

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062942.D
 Acq On : 14 Aug 2020 18:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 11:43:53 AM

Quant Time: Aug 17 09:44:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	166339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	255395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	244846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	121793	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	130612	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	7.55	113	91519	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
50) Toluene-d8	10.06	98	350605	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.38	95	134808	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	107249	45.027	ug/l	99
3) Chloromethane	2.03	50	122283	54.403	ug/l	98
4) Vinyl Chloride	2.16	62	163808	77.701	ug/l	97
5) Bromomethane	2.50	94	84144	60.293	ug/l	98
6) Chloroethane	2.65	64	102993	74.259	ug/l	95
7) Trichlorofluoromethane	2.97	101	212558	56.542	ug/l	98
8) Diethyl Ether	3.37	74	49215	45.731	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	74906	49.395	ug/l	98
10) Methyl Iodide	3.90	142	85615	46.988	ug/l	97
11) Tert butyl alcohol	4.74	59	97131	215.446	ug/l	98
12) 1,1-Dichloroethene	3.69	96	66762	47.060	ug/l	97
13) Acrolein	3.56	56	67358	246.762	ug/l	96
14) Allyl chloride	4.27	41	124401	42.717	ug/l	96
15) Acrylonitrile	4.93	53	242973	232.361	ug/l	100
16) Acetone	3.78	43	229305	230.703	ug/l	98
17) Carbon Disulfide	4.00	76	174220	43.191	ug/l	98
18) Methyl Acetate	4.28	43	112599	47.849	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	299910	46.537	ug/l	99
20) Methylene Chloride	4.50	84	87009	47.801	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	72969	43.836	ug/l	96
22) Diisopropyl ether	5.91	45	294730	47.541	ug/l	97
23) Vinyl Acetate	5.84	43	1020017	216.311	ug/l	99
24) 1,1-Dichloroethane	5.80	63	161448	44.438	ug/l	98
25) 2-Butanone	6.79	43	327481	232.631	ug/l	100
26) 2,2-Dichloropropane	6.77	77	148469	44.333	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	90580	45.362	ug/l	96
28) Bromochloromethane	7.15	49	84937	48.441	ug/l	98
29) Tetrahydrofuran	7.17	42	210927	230.634	ug/l	99
30) Chloroform	7.33	83	175407	45.430	ug/l	100
31) Cyclohexane	7.61	56	142335	42.679	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	155505	45.047	ug/l	100
36) 1,1-Dichloropropene	7.75	75	112043	45.055	ug/l	96
37) Ethyl Acetate	6.88	43	122317	47.086	ug/l	98
38) Carbon Tetrachloride	7.73	117	131620	44.751	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	139865	46.735	ug/l	100
40) Benzene	8.00	78	339888	45.803	ug/l	98
41) Methacrylonitrile	7.12	41	50505	43.086	ug/l #	6
42) 1,2-Dichloroethane	8.09	62	146961	46.530	ug/l	99
43) Isopropyl Acetate	8.13	43	198631	45.842	ug/l	98
44) Trichloroethene	8.80	130	83602	46.242	ug/l	97
45) 1,2-Dichloropropane	9.09	63	98251	48.920	ug/l	96
46) Dibromomethane	9.18	93	63716	48.419	ug/l	98
47) Bromodichloromethane	9.37	83	146030	49.409	ug/l	99
48) Methyl methacrylate	9.17	41	98573	46.252	ug/l	97
49) 1,4-Dioxane	9.17	88	39839	1008.839	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	679437	242.357	ug/l	98
52) Toluene	10.13	92	219522	47.913	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	155712	47.897	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	158495	48.558	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	93952	48.013	ug/l	98
56) Ethyl methacrylate	10.40	69	147142	49.957	ug/l	97
57) 1,3-Dichloropropane	10.68	76	160912	48.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	175798	211.154	ug/l	99
59) 2-Hexanone	10.72	43	505834	241.885	ug/l	99
60) Dibromochloromethane	10.88	129	110692	49.569	ug/l	99
61) 1,2-Dibromoethane	10.98	107	96111	49.775	ug/l	98
64) Tetrachloroethene	10.60	164	73318	46.410	ug/l	98
65) Chlorobenzene	11.41	112	244977	47.864	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	100265	48.782	ug/l	97
67) Ethyl Benzene	11.48	91	442150	48.275	ug/l	97
68) m/p-Xylenes	11.60	106	329938	99.238	ug/l	97
69) o-Xylene	11.92	106	158228	50.784	ug/l	97
70) Styrene	11.94	104	280772	51.267	ug/l	99
71) Bromoform	12.10	173	81327	48.361	ug/l #	99
73) Isopropylbenzene	12.22	105	441527	48.144	ug/l	99
74) N-amyl acetate	12.05	43	178436	48.012	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	148230	45.914	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	134368m	40.908	ug/l	
77) Bromobenzene	12.50	156	109124	47.889	ug/l	92
78) n-propylbenzene	12.57	91	516457	47.974	ug/l	98
79) 2-Chlorotoluene	12.65	91	317431	47.021	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	395877	49.757	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	50425	46.865	ug/l	99
82) 4-Chlorotoluene	12.75	91	336325	48.344	ug/l	98
83) tert-Butylbenzene	12.97	119	333628	49.556	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	387128	50.861	ug/l	99
85) sec-Butylbenzene	13.15	105	435645	49.276	ug/l	99
86) p-Isopropyltoluene	13.26	119	393667	50.165	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	195345	47.987	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	192816	47.225	ug/l	99
89) n-Butylbenzene	13.59	91	322336	48.566	ug/l	99
90) Hexachloroethane	13.85	117	77147	45.607	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	192059	50.324	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	32367	46.699	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	115243	55.811	ug/l	97
94) Hexachlorobutadiene	14.98	225	85889	72.187	ug/l	99
95) Naphthalene	15.10	128	336892	59.417	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	131166	64.110	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

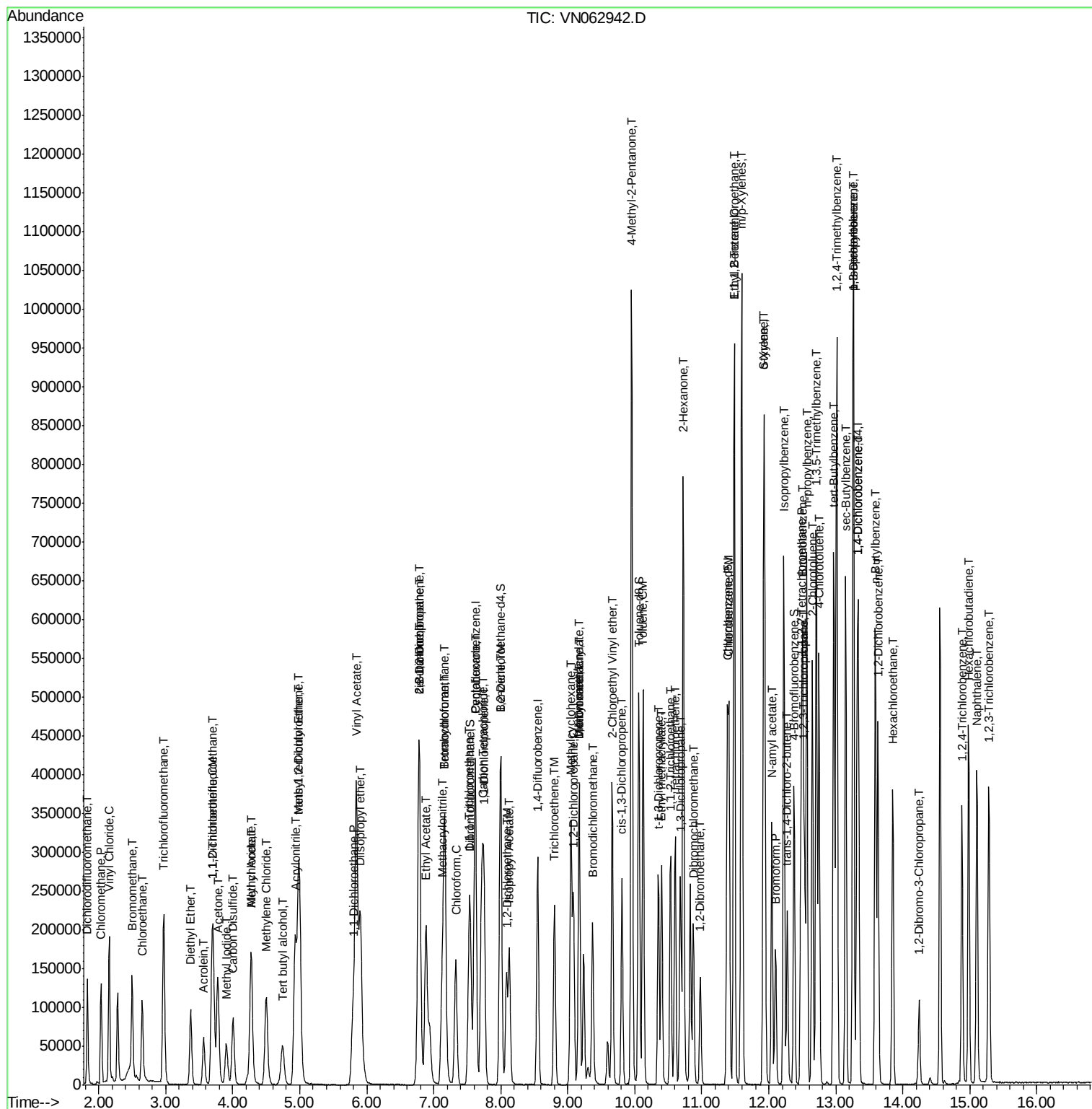
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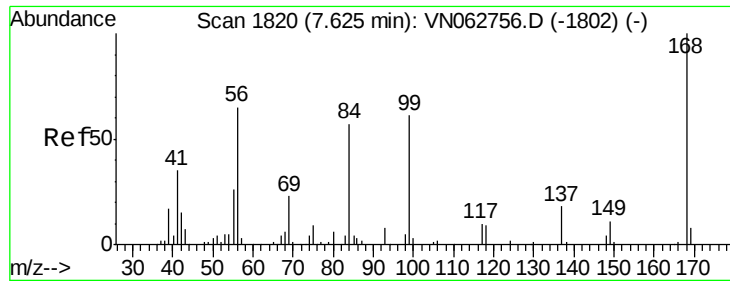
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 166339

Ion Ratio Lower Upper

168 100

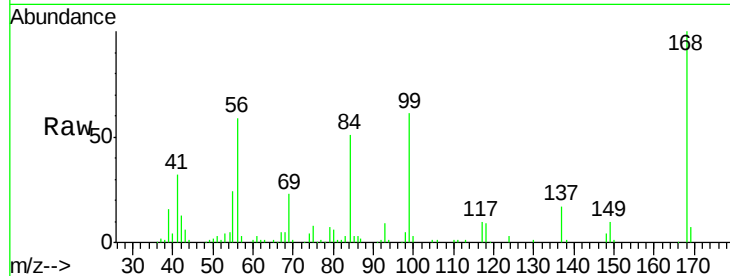
99 61.2 52.9 79.3

Manual Integrations

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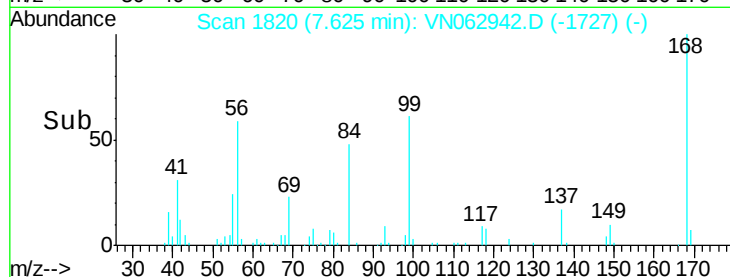


Abundance Ion 167.90 (167.60 to 168.60): V

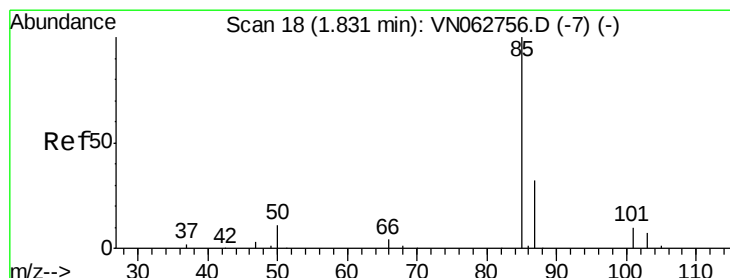
Ion 98.90 (98.60 to 99.60): VN

7.63

7.50 7.60 7.70



Time-->



#2

Dichlorodifluoromethane

Concen: 45.027 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062942.D

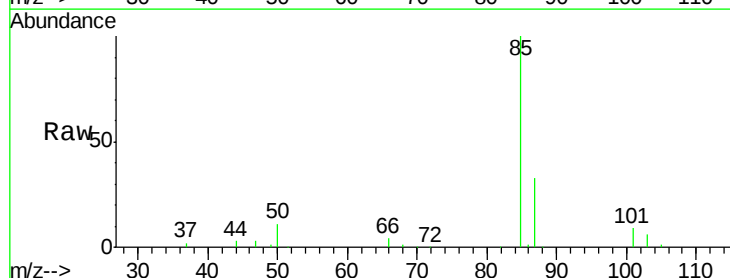
Acq: 14 Aug 2020 18:30

Tgt Ion: 85 Resp: 107249

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.6

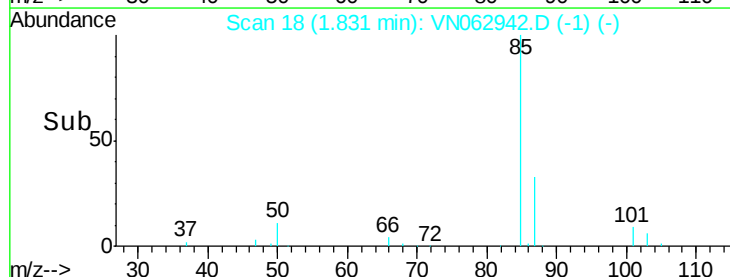


Abundance Ion 84.90 (84.60 to 85.60): VN

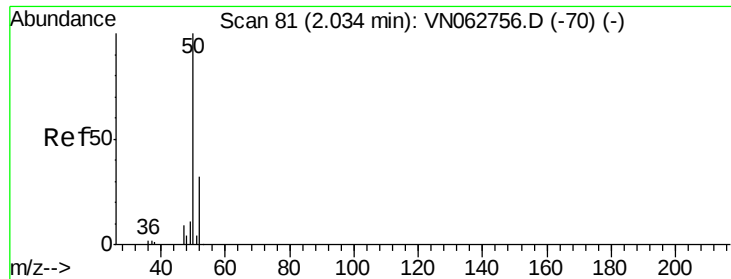
Ion 86.90 (86.60 to 87.60): VN

1.83

1.75 1.80 1.85 1.90



Time-->



#3

Chloromethane

Concen: 54.403 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 122283

Ion Ratio Lower Upper

50 100

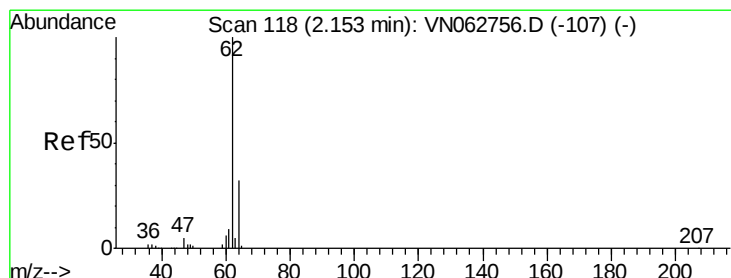
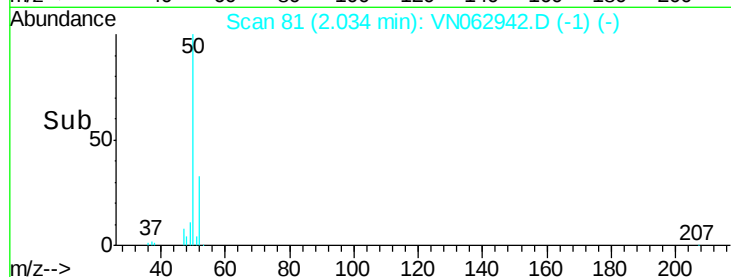
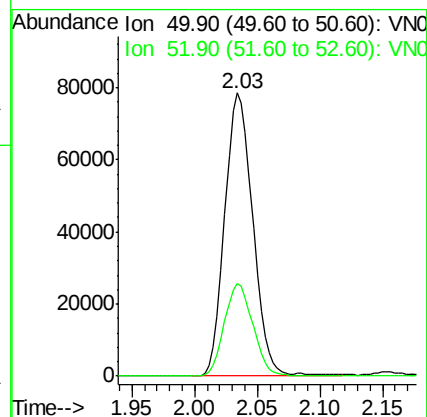
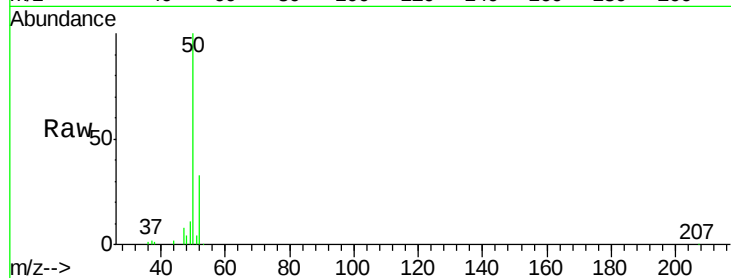
52 32.8 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 77.701 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062942.D

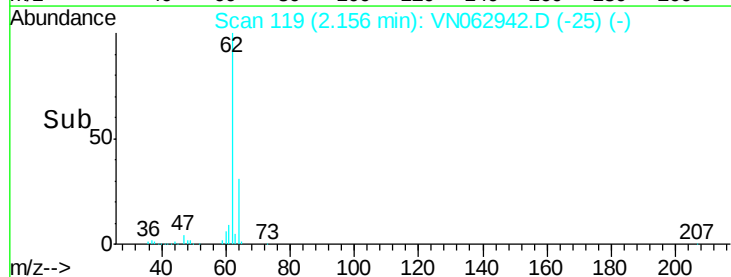
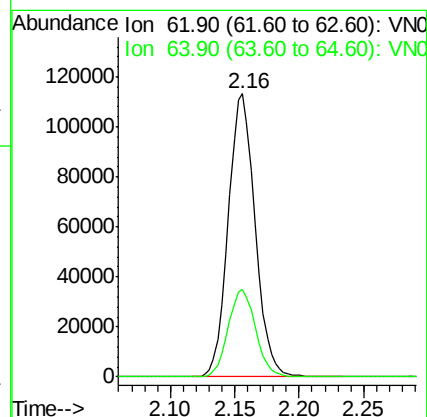
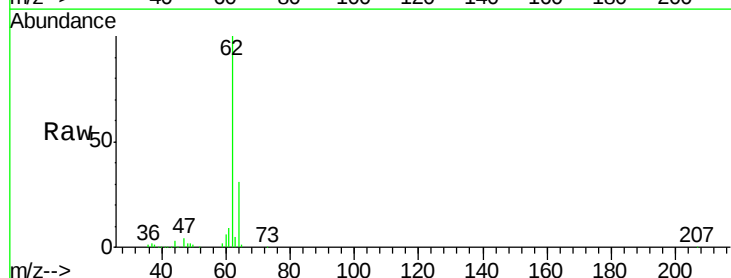
Acq: 14 Aug 2020 18:30

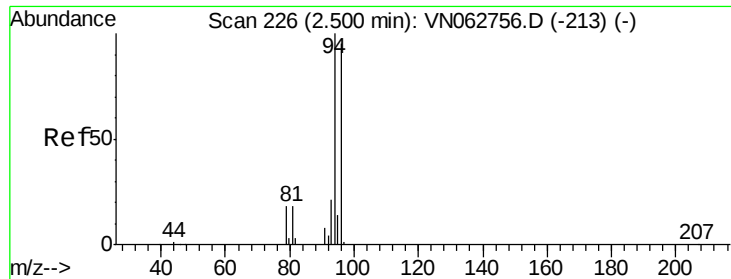
Tgt Ion: 62 Resp: 163808

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8





#5

Bromomethane

Concen: 60.293 ug/l

RT: 2.50 min Scan# 225

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 84144

Ion Ratio Lower Upper

94 100

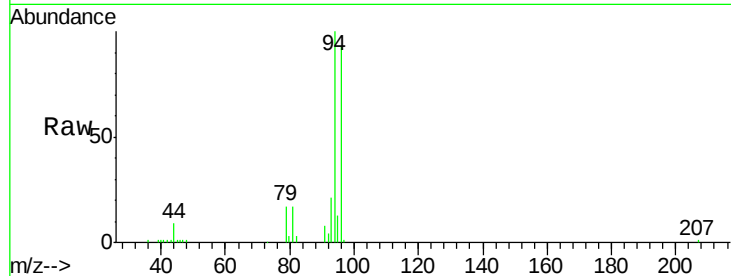
96 93.4 76.2 114.4

Manual Integrations

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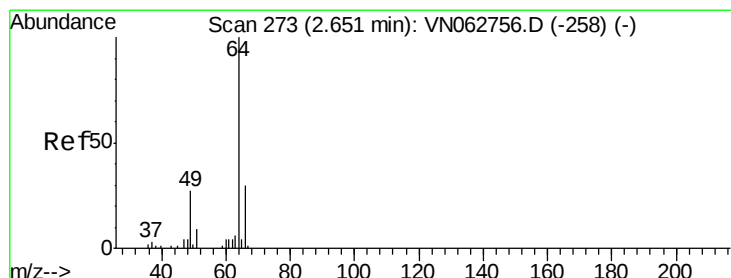
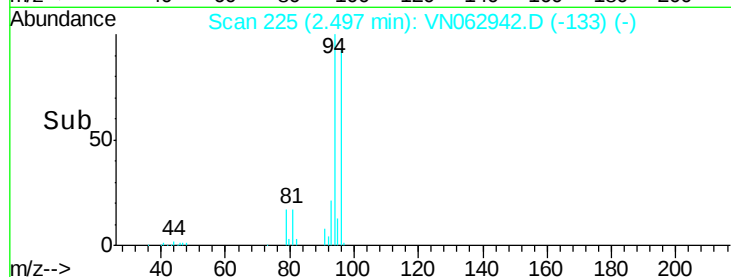
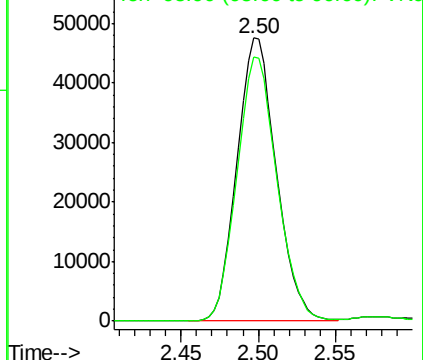
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 74.259 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.00 min

Lab File: VN062942.D

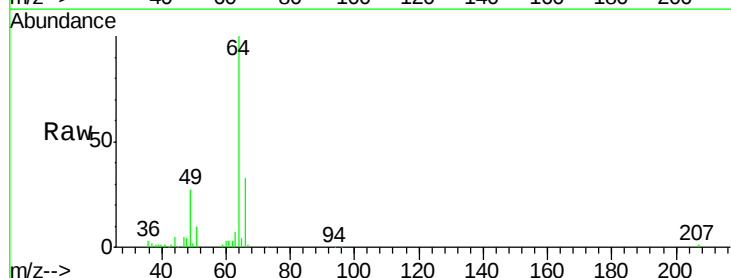
Acq: 14 Aug 2020 18:30

Tgt Ion: 64 Resp: 102993

Ion Ratio Lower Upper

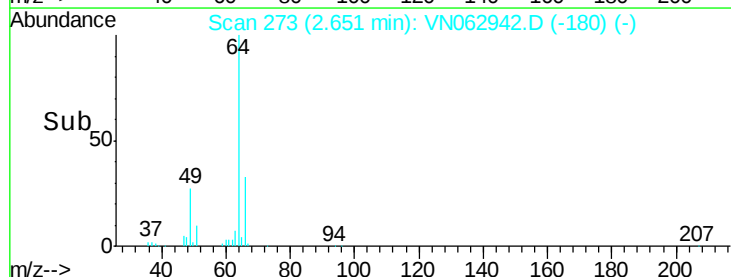
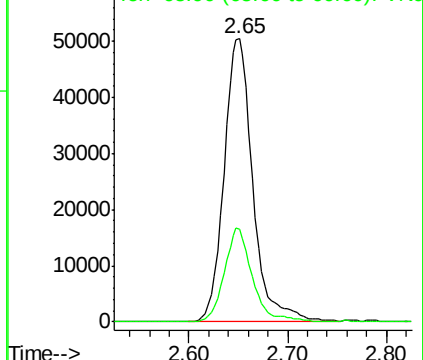
64 100

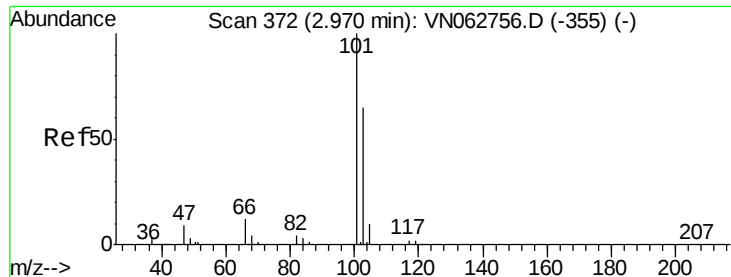
66 32.8 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

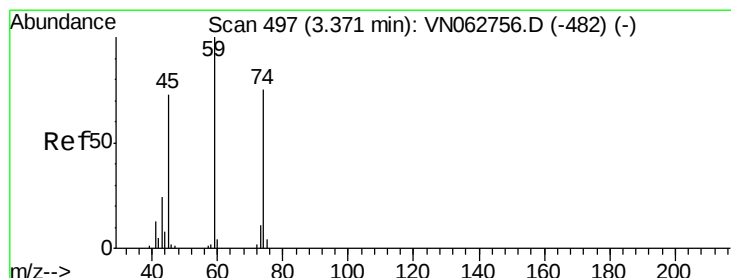
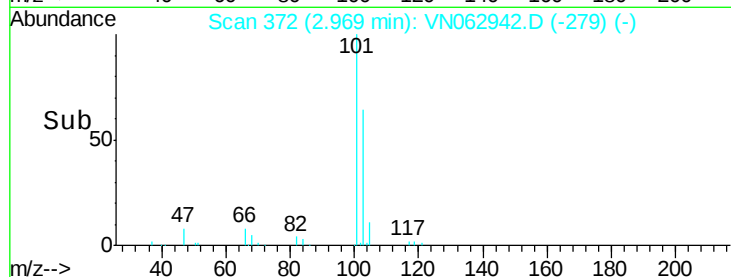
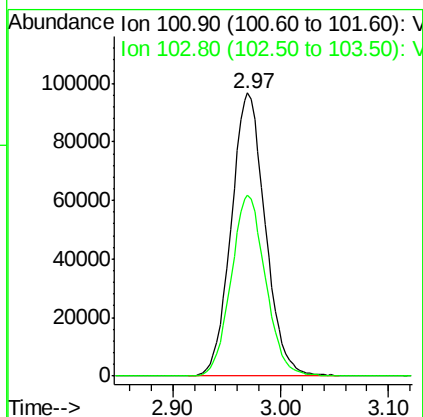
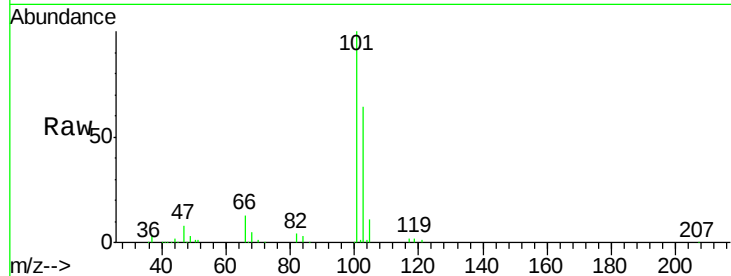
Trichlorofluoromethane
 Concen: 56.542 ug/l
 RT: 2.97 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.3	78.5

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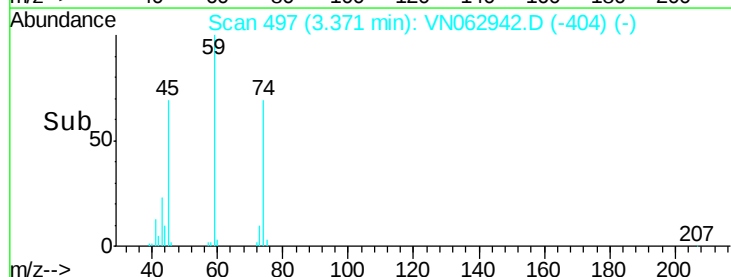
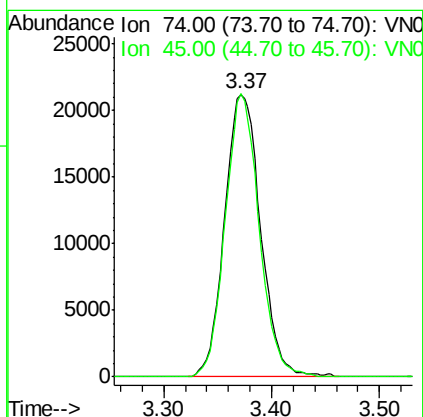
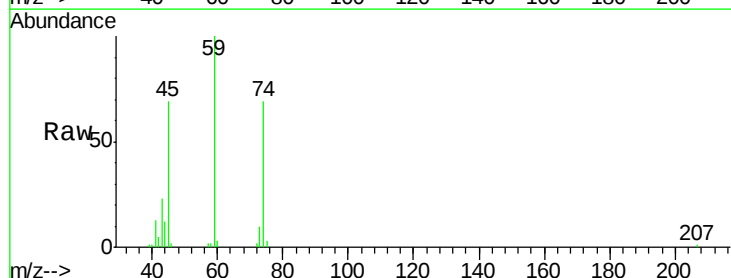
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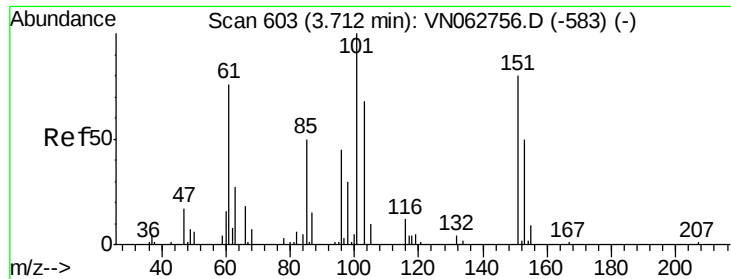


#8

Diethyl Ether
 Concen: 45.731 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062942.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	48.7	146.1





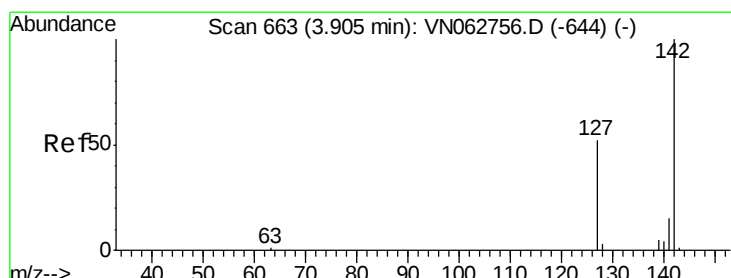
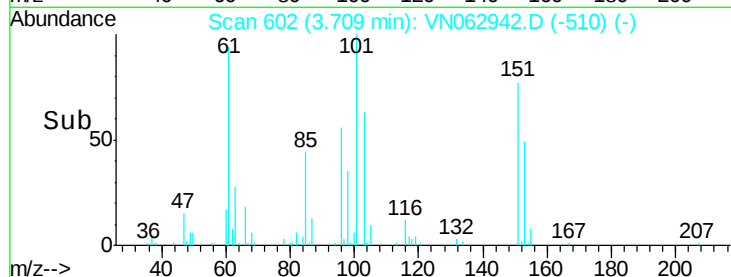
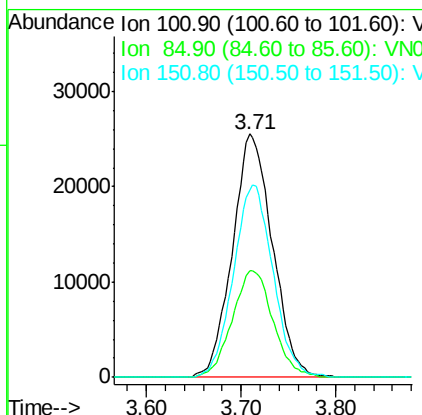
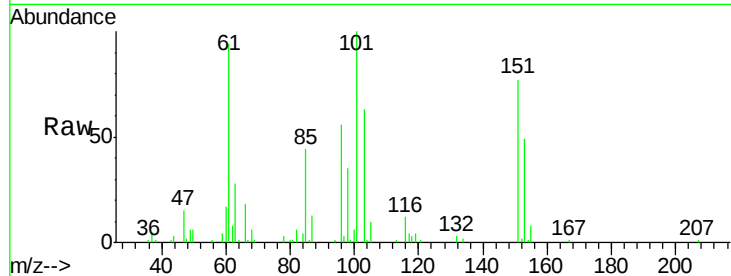
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.395 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.7	38.5	57.7
151	78.3	63.0	94.6

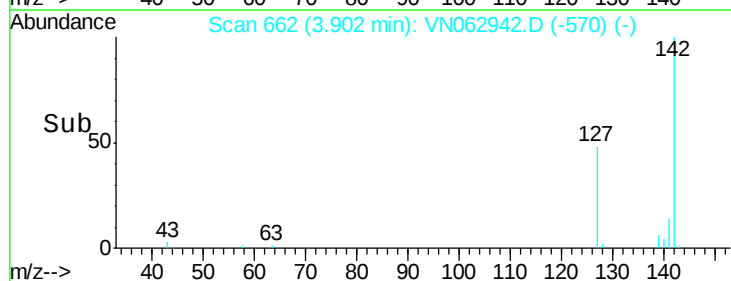
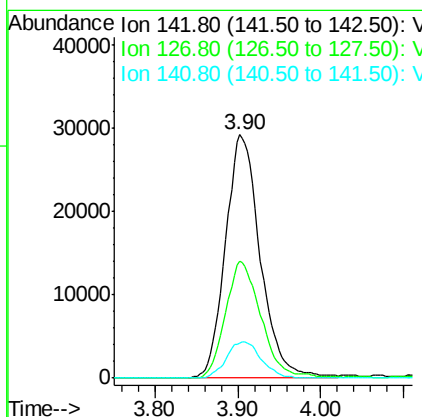
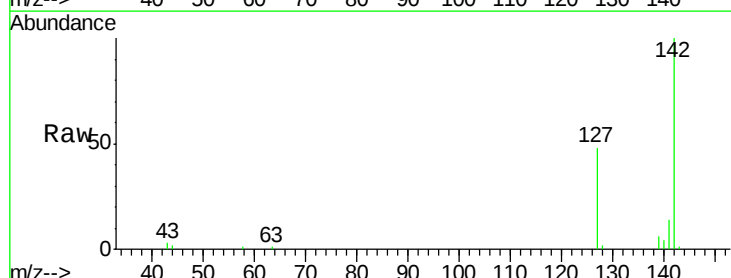
Manual Integrations
APPROVED

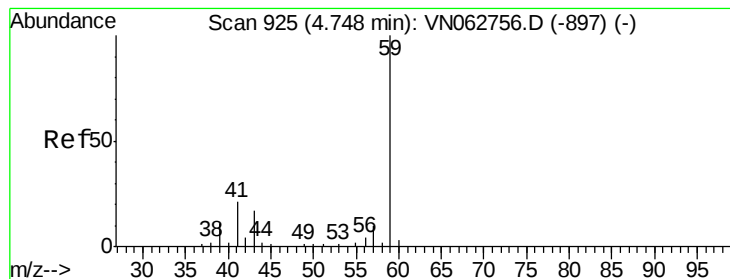
MMDadoda
8/17/2020 11:43:53 AM



#10
Methyl Iodide
Concen: 46.988 ug/l
RT: 3.90 min Scan# 662
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.9	41.4	62.0
141	14.9	12.2	18.4





#11

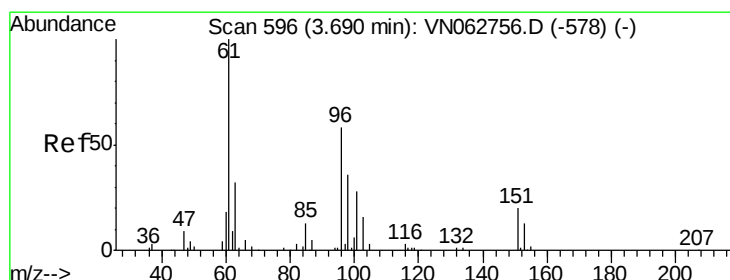
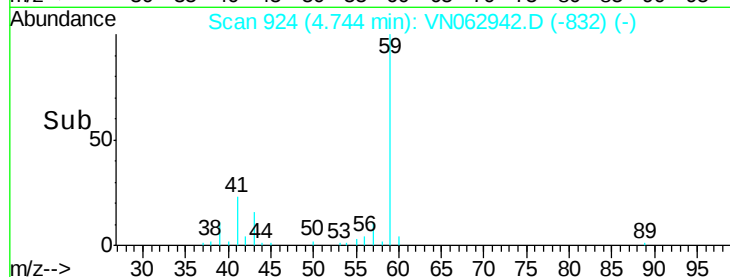
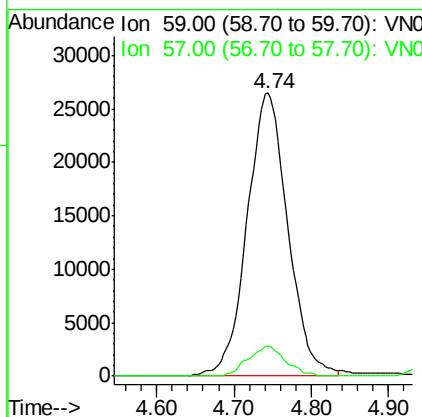
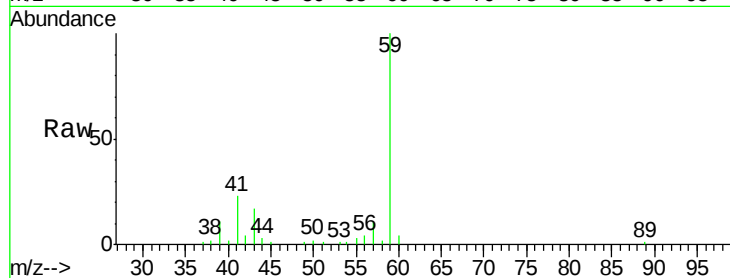
Tert butyl alcohol
 Concen: 215.446 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

Manual Integrations
 APPROVED

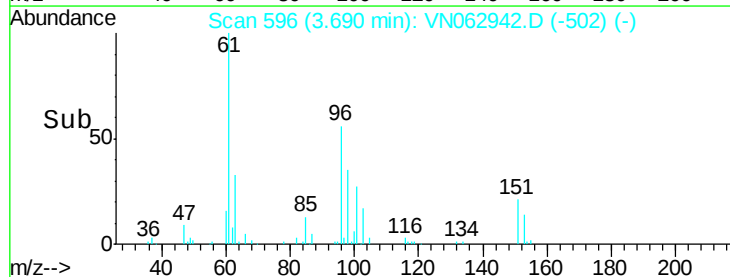
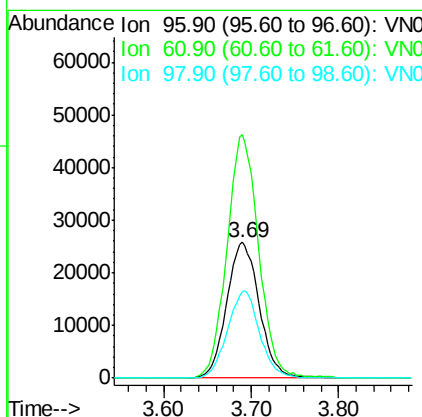
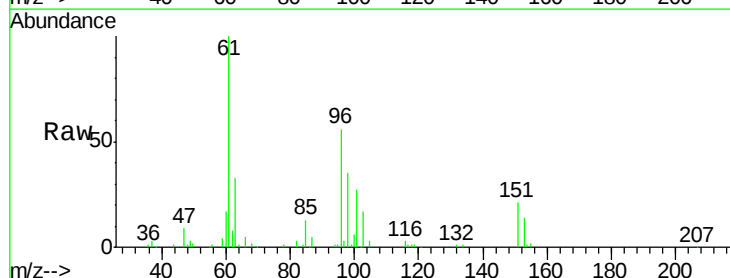
MMDadoda
 8/17/2020 11:43:53 AM

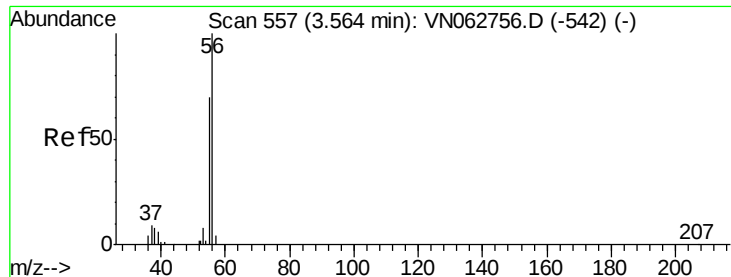


#12

1,1-Dichloroethene
 Concen: 47.060 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.2	139.0	208.6
98	63.2	50.2	75.4





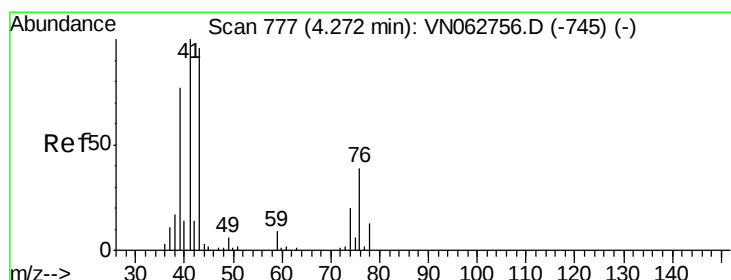
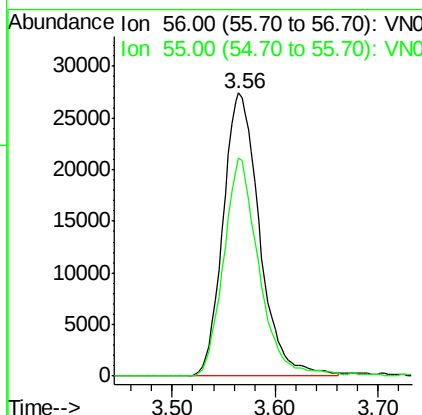
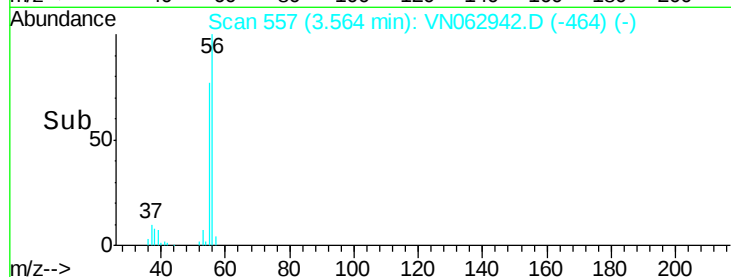
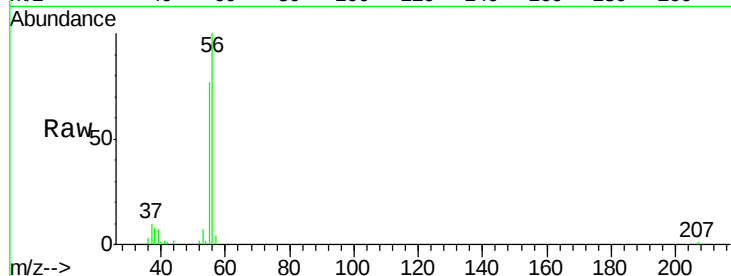
#13
Acrolein
Concen: 246.762 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	74.4	57.0	85.6

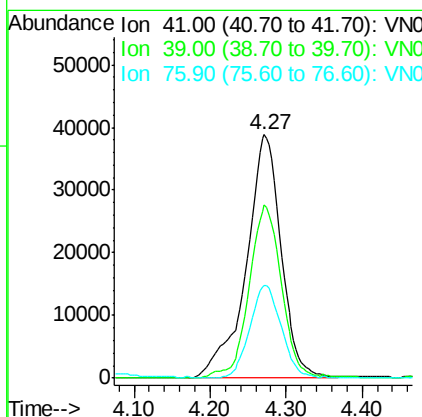
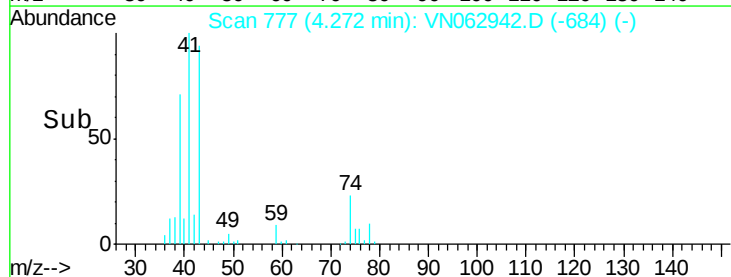
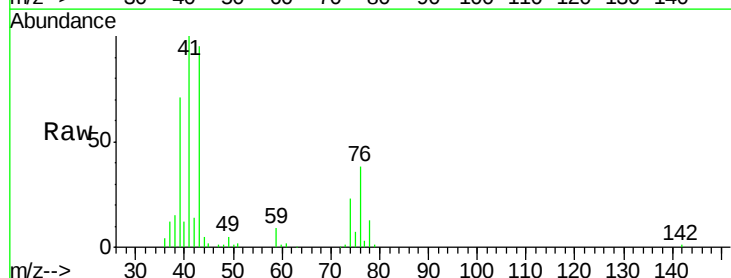
Manual Integrations
APPROVED

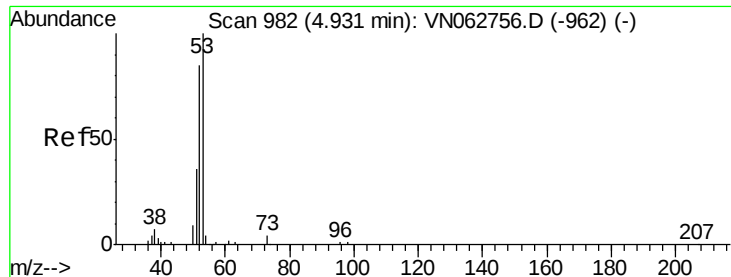
MMDadoda
8/17/2020 11:43:53 AM



#14
Allyl chloride
Concen: 42.717 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	65.4	55.7	83.5
76	76	34.2	27.5	41.3





#15

Acrylonitrile

Concen: 232.361 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

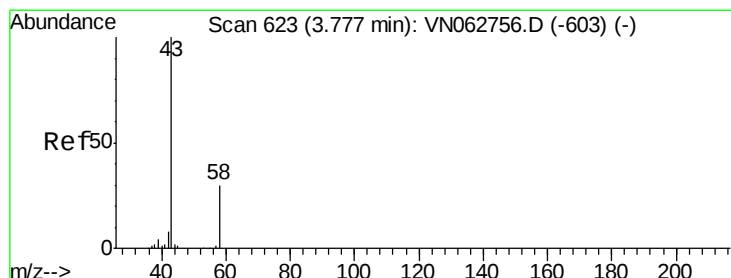
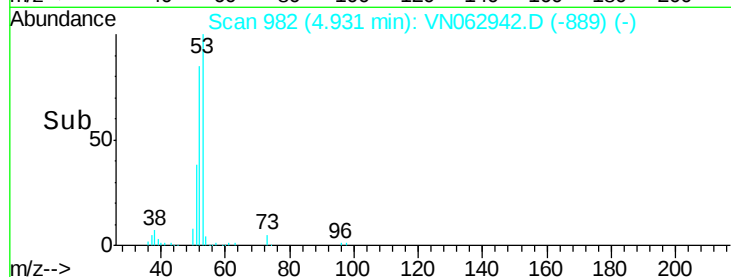
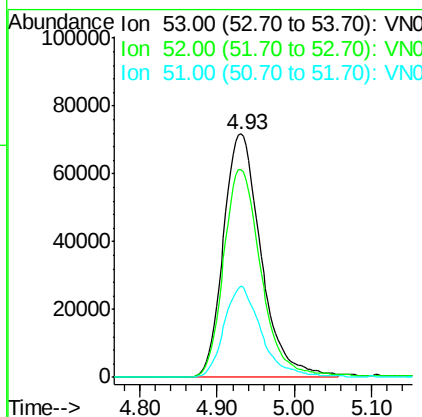
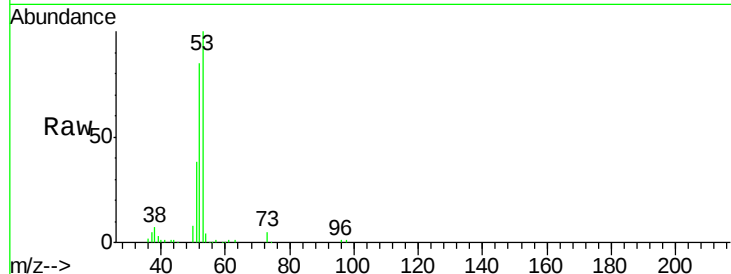
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	242973
Ion Ratio		Lower	Upper
53	100		
52	83.8	66.8	100.2
51	36.9	29.5	44.3

Manual Integrations
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MMDadoda
8/17/2020 11:43:53 AM



#16

Acetone

Concen: 230.703 ug/l

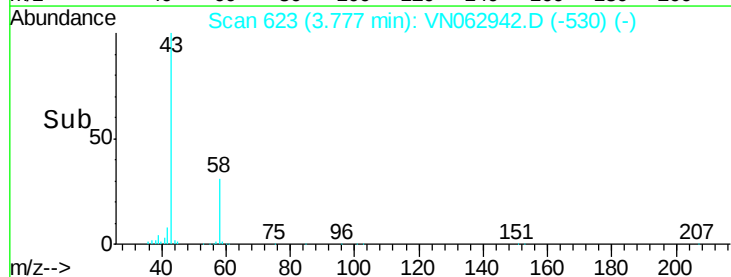
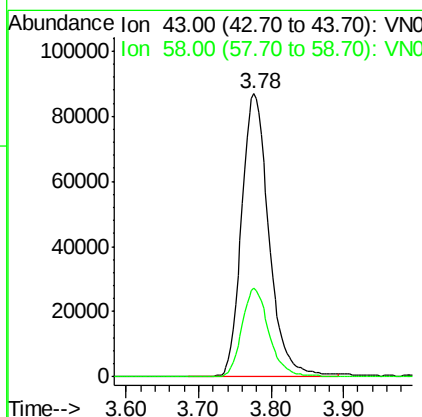
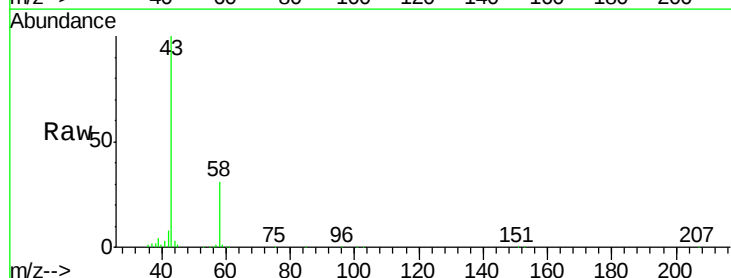
RT: 3.78 min Scan# 623

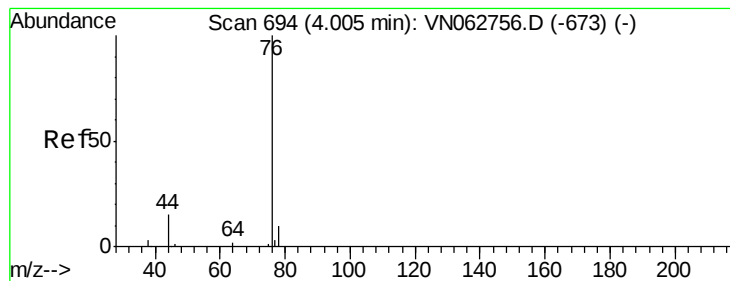
Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Tgt Ion:	43	Resp:	229305
Ion Ratio		Lower	Upper
43	100		
58	31.2	24.1	36.1





#17

Carbon Disulfide

Concen: 43.191 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 174220

Ion Ratio Lower Upper

76 100

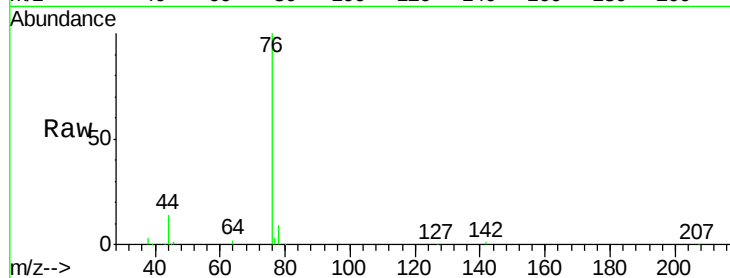
78 8.8 7.7 11.5

Manual Integrations

APPROVED

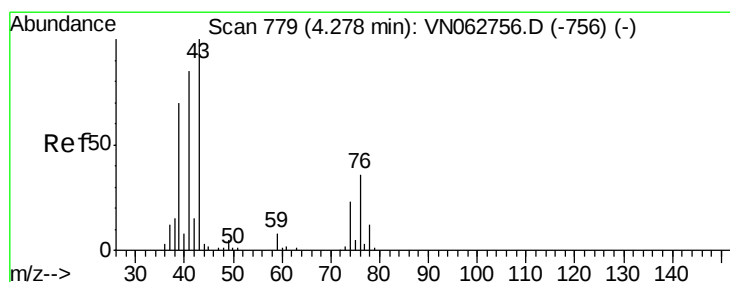
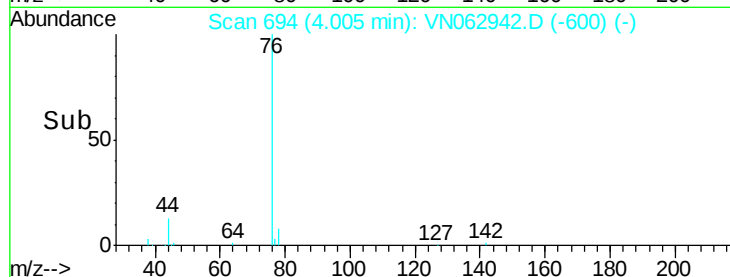
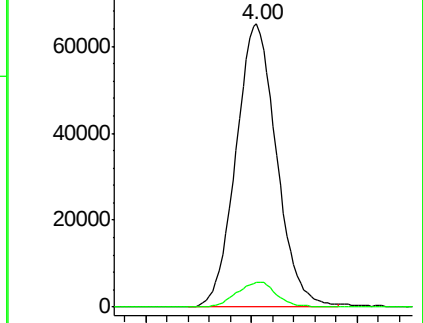
MMDadoda

8/17/2020 11:43:53 AM



Abundance Ion 75.90 (75.60 to 76.60): VN062756.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062756.D (-673) (-)



#18

Methyl Acetate

Concen: 47.849 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062942.D

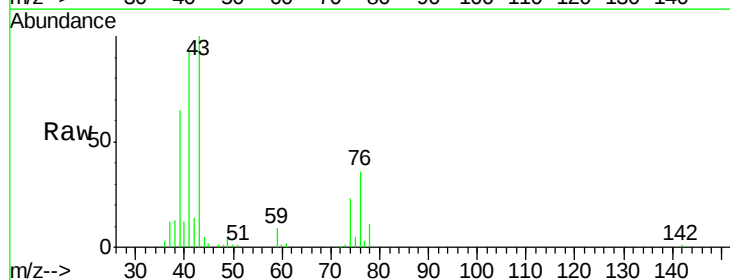
Acq: 14 Aug 2020 18:30

Tgt Ion: 43 Resp: 112599

Ion Ratio Lower Upper

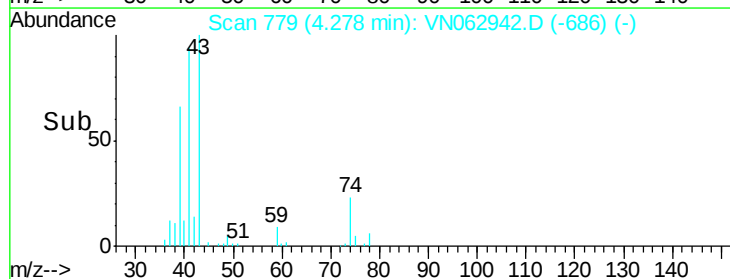
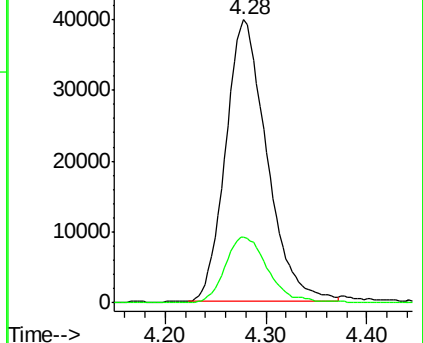
43 100

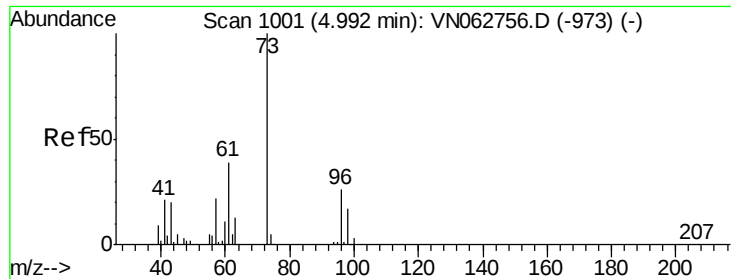
74 24.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-756) (-)

Ion 74.00 (73.70 to 74.70): VN062756.D (-756) (-)





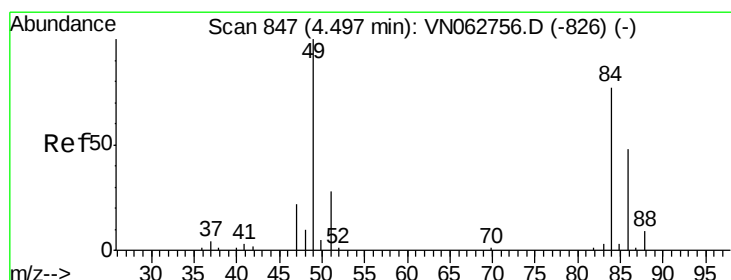
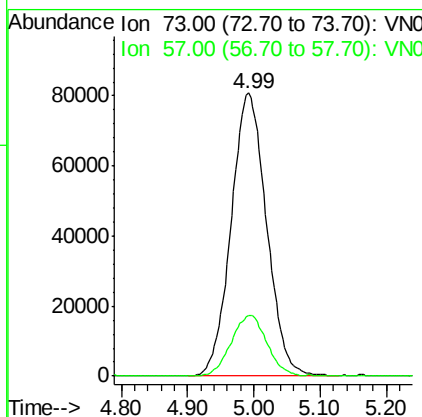
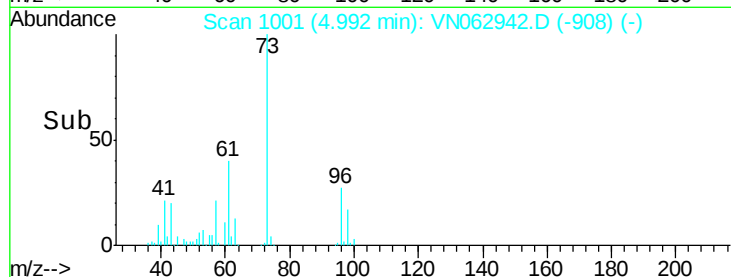
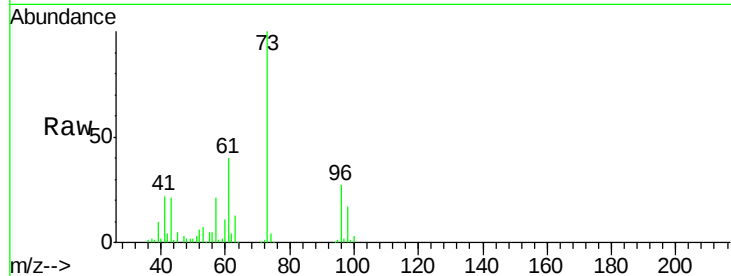
#19
Methvl tert-butvl Ether
Concen: 46.537 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 299910
Ion Ratio Lower Upper
73 100
57 21.2 17.5 26.3

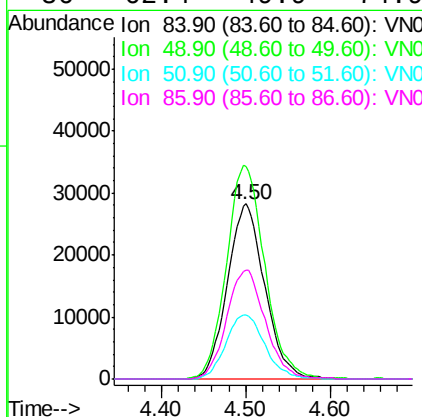
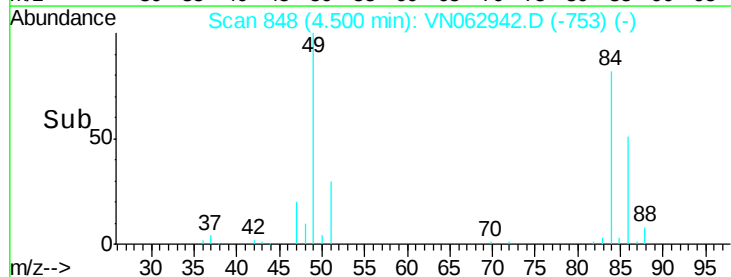
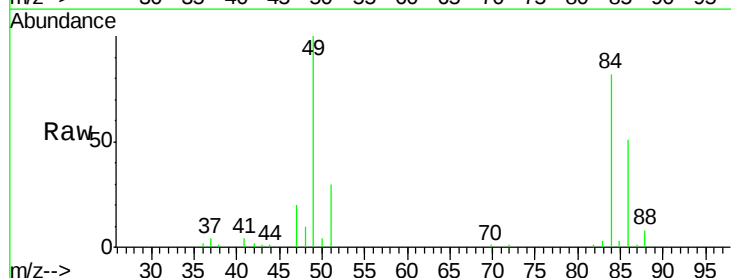
Manual Integrations
APPROVED

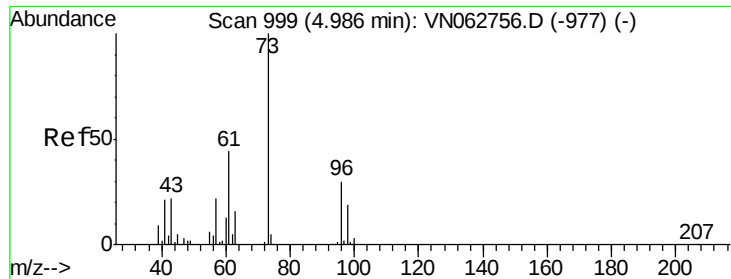
MMDadoda
8/17/2020 11:43:53 AM



#20
Methylene Chloride
Concen: 47.801 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion: 84 Resp: 87009
Ion Ratio Lower Upper
84 100
49 120.9 103.4 155.2
51 36.5 29.3 43.9
86 62.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 43.836 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

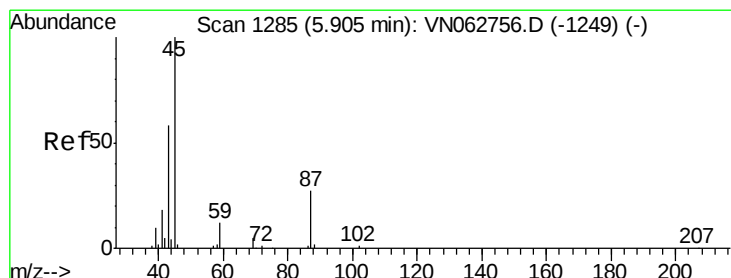
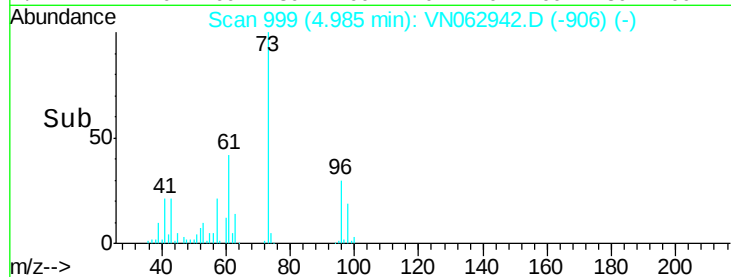
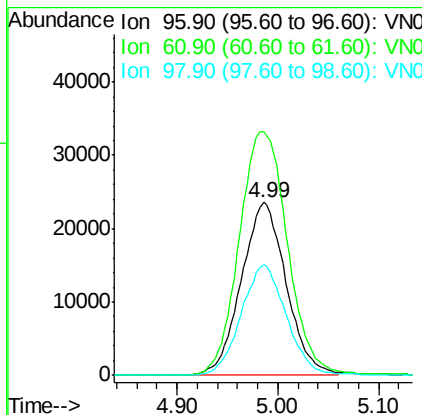
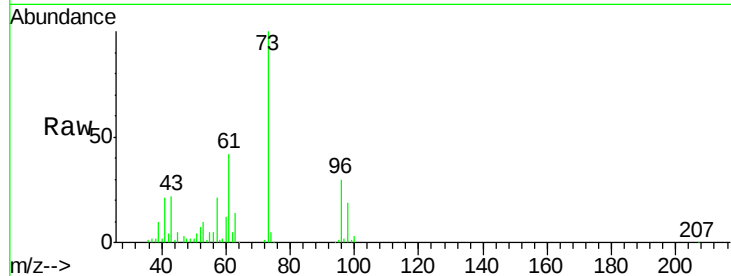
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	72969
Ion	Ratio	Lower	Upper
96	100		
61	140.7	118.8	178.2
98	63.9	51.0	76.4

Manual Integrations
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MMDadoda
8/17/2020 11:43:53 AM



#22

Diisopropyl ether

Concen: 47.541 ug/l

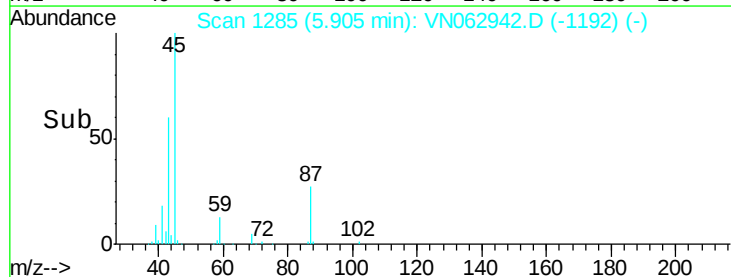
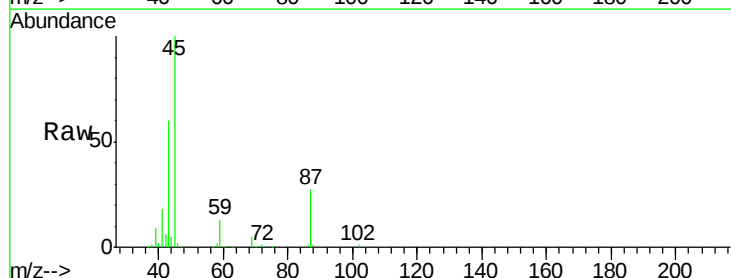
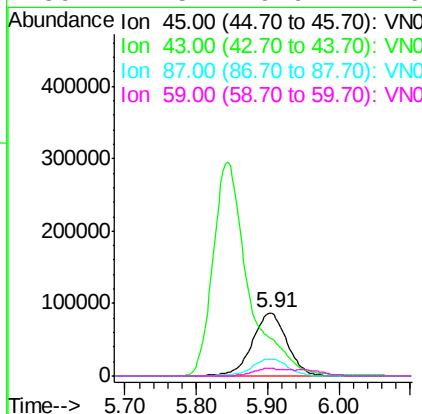
RT: 5.91 min Scan# 1285

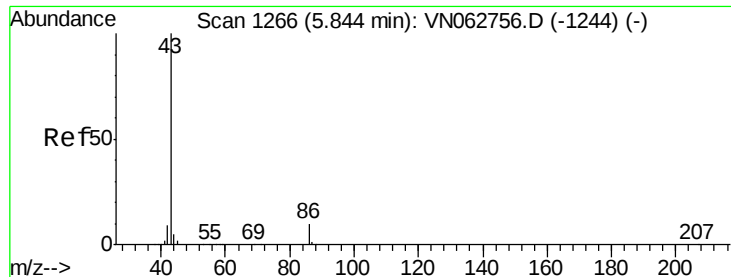
Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Tgt Ion:	45	Resp:	294730
Ion	Ratio	Lower	Upper
45	100		
43	57.1	47.4	71.2
87	26.8	22.8	34.2
59	12.5	9.9	14.9





#23

Vinyl Acetate

Concen: 216.311 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1020017

Ion Ratio Lower Upper

43 100

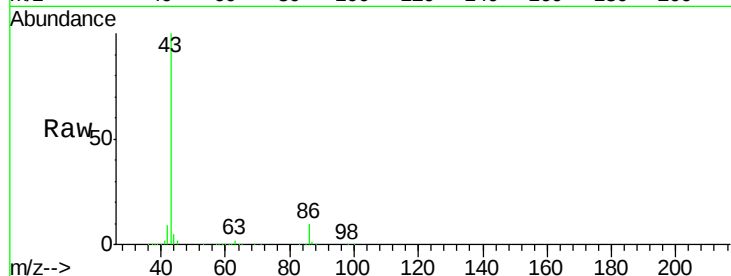
86 10.1 7.7 11.5

Manual Integrations

APPROVED

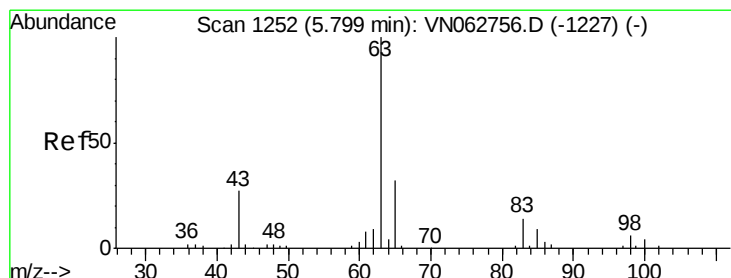
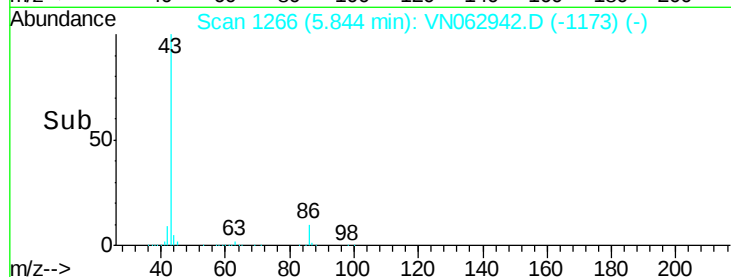
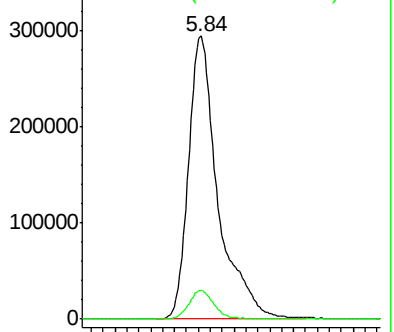
MMDadoda

8/17/2020 11:43:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 44.438 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

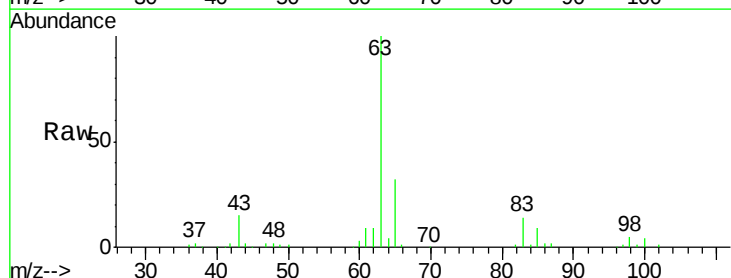
Tgt Ion: 63 Resp: 161448

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

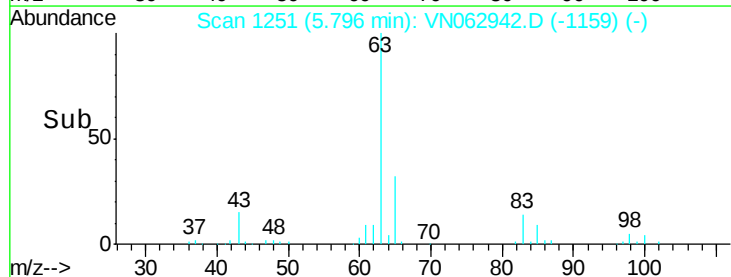
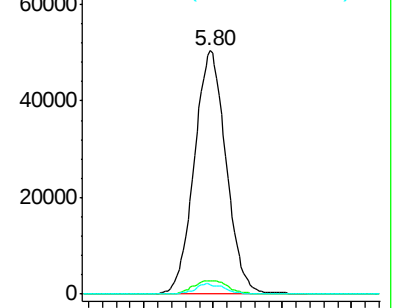
100 4.0 1.9 5.7

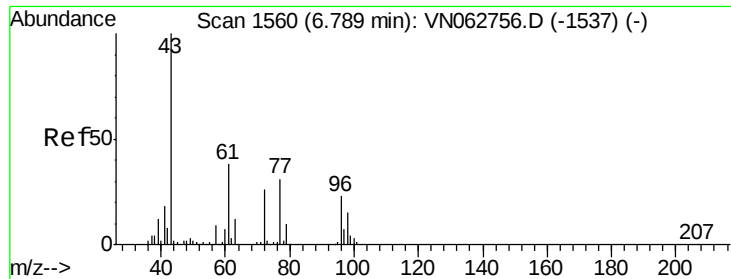


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





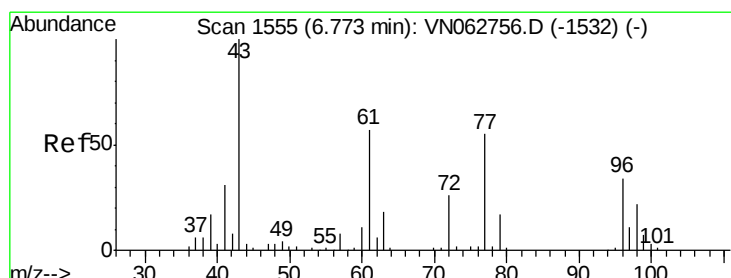
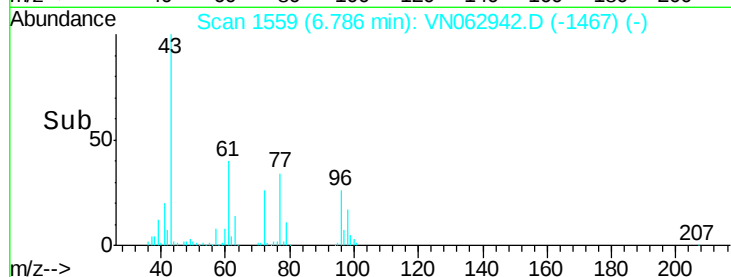
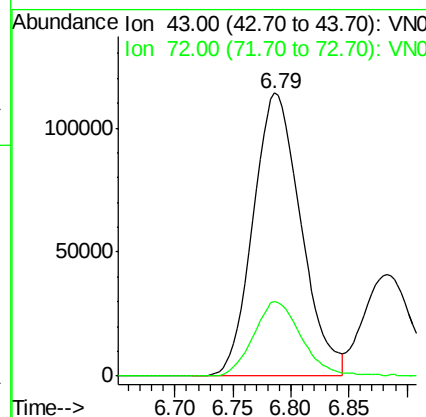
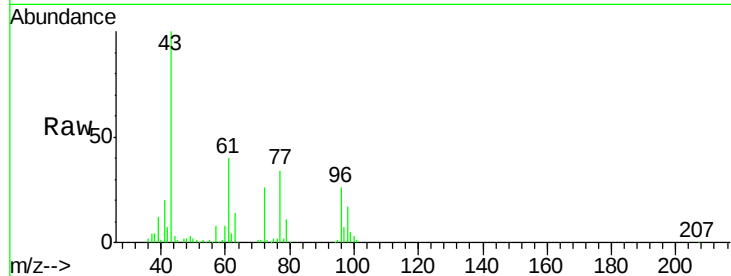
#25
2-Butanone
Concen: 232.631 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 327481
Ion Ratio Lower Upper
43 100
72 26.2 21.1 31.7

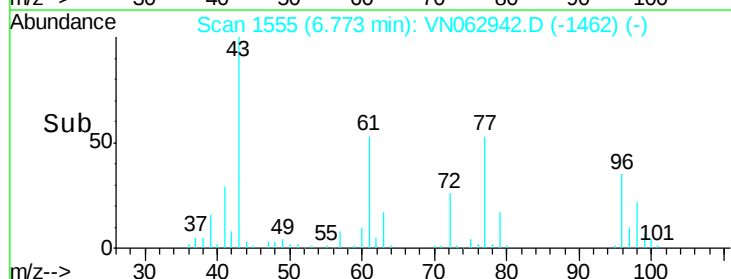
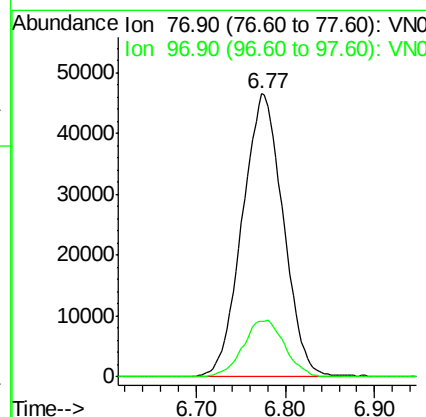
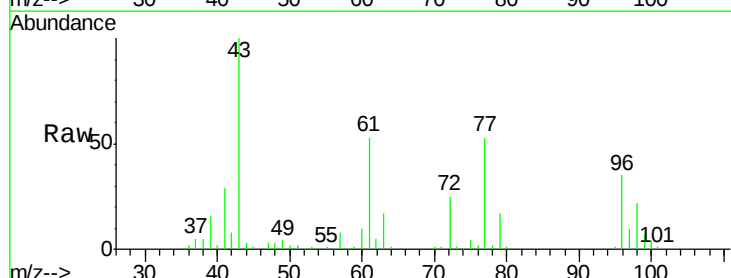
Manual Integrations
APPROVED

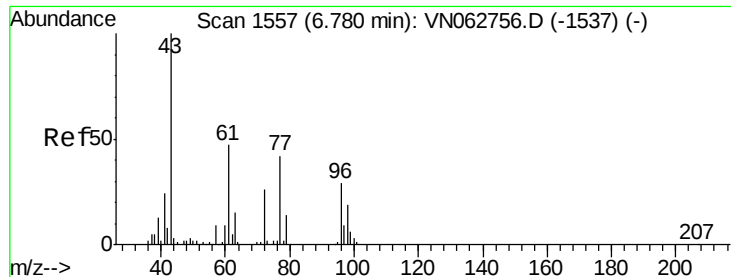
MMDadoda
8/17/2020 11:43:53 AM



#26
2,2-Dichloropropane
Concen: 44.333 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion: 77 Resp: 148469
Ion Ratio Lower Upper
77 100
97 20.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 45.362 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

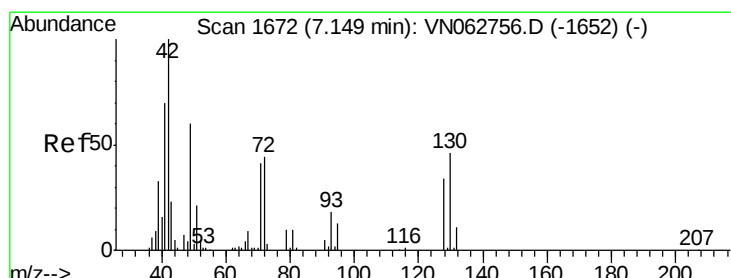
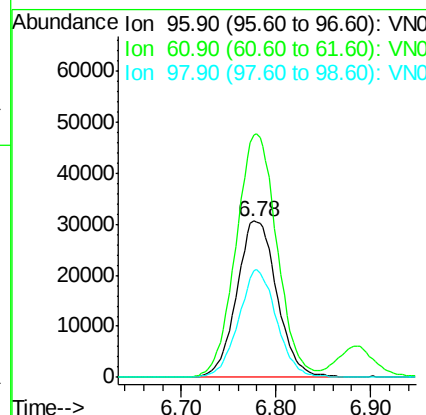
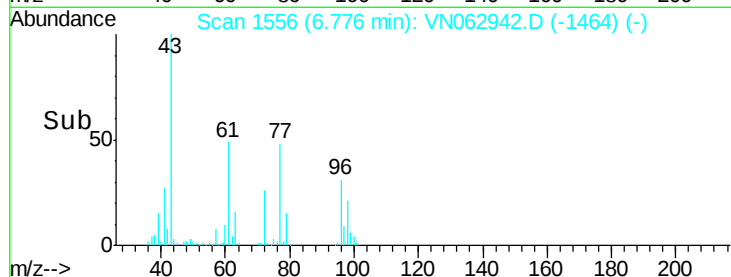
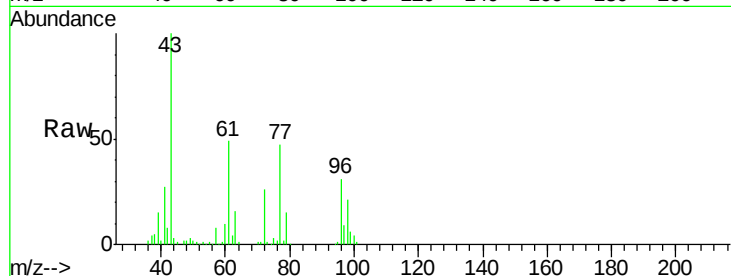
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	90580
Ion	Ratio	Lower	Upper
96	100		
61	158.5	0.0	332.2
98	65.1	0.0	129.4

Manual Integrations
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8/17/2020 11:43:53 AM



#28

Bromochloromethane

Concen: 48.441 ug/l

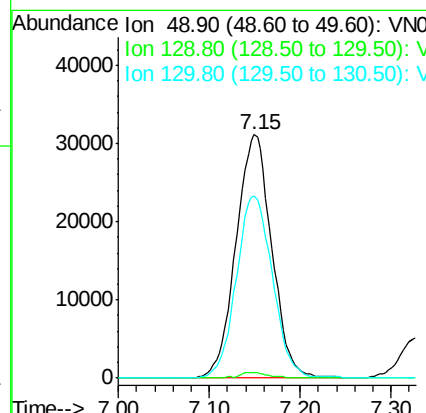
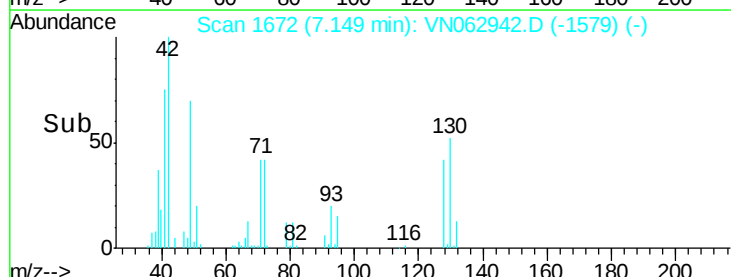
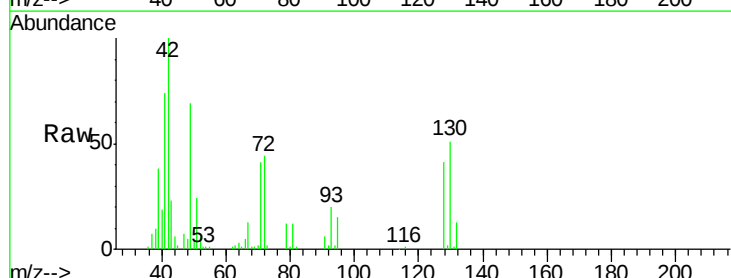
RT: 7.15 min Scan# 1672

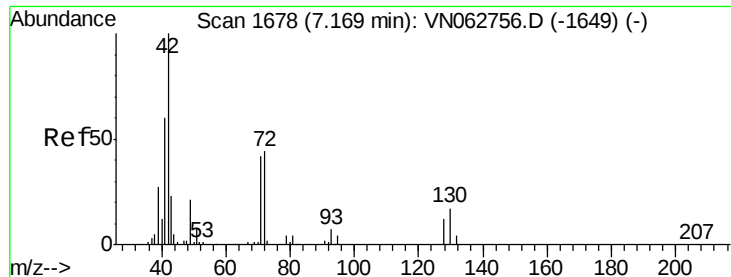
Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Tgt Ion:	49	Resp:	84937
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	75.7	59.0	88.6





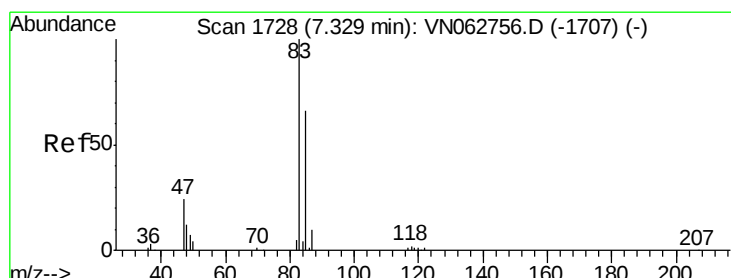
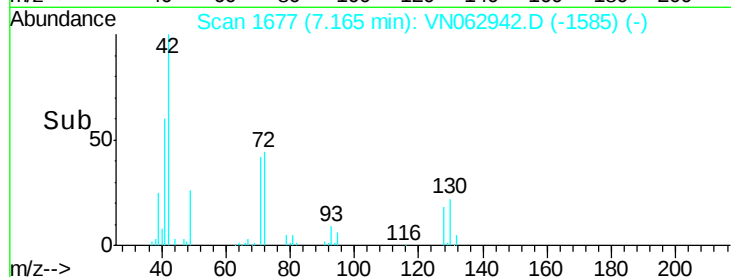
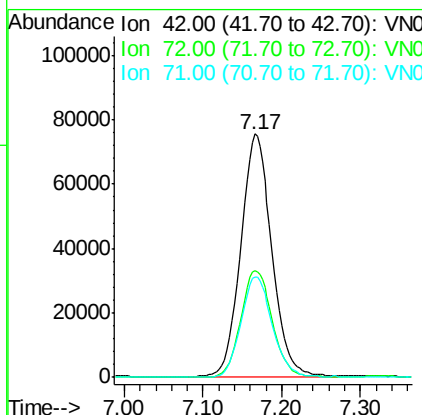
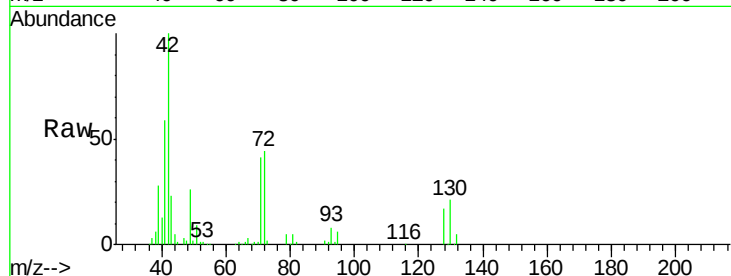
#29
Tetrahydrofuran
Concen: 230.634 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.0	52.4
71	41.6	33.2	49.8

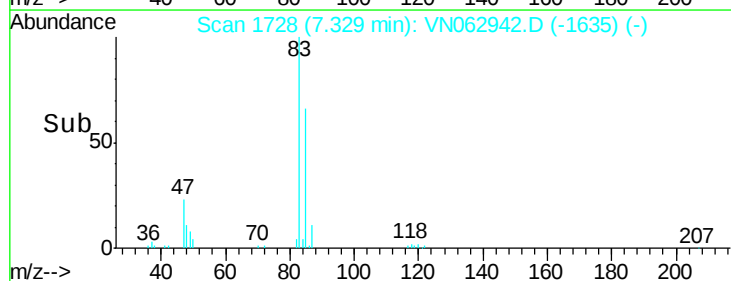
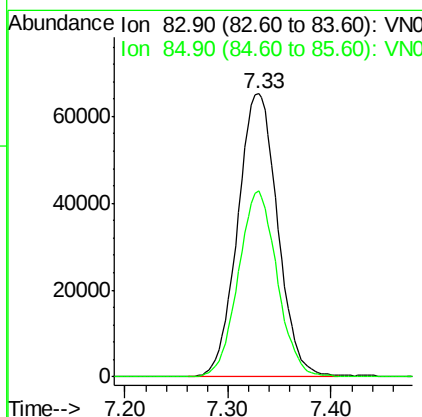
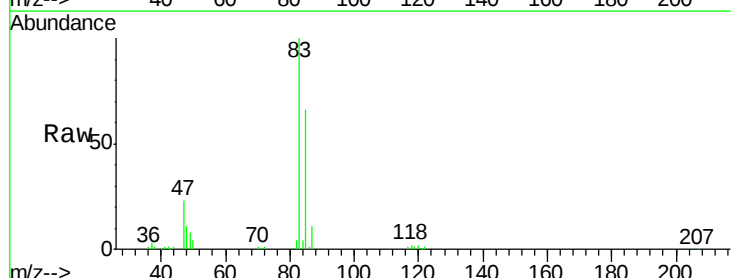
Manual Integrations
APPROVED

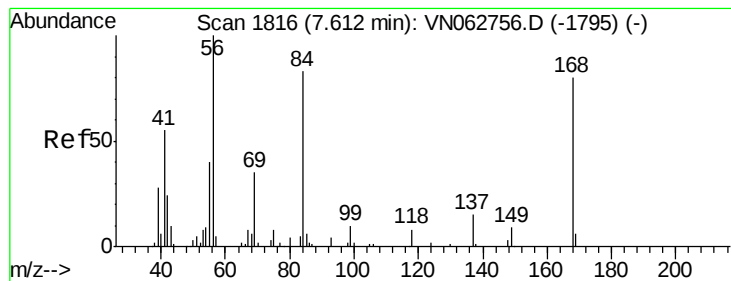
MMDadoda
8/17/2020 11:43:53 AM



#30
Chloroform
Concen: 45.430 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.7	79.1





#31

Cyclohexane

Concen: 42.679 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

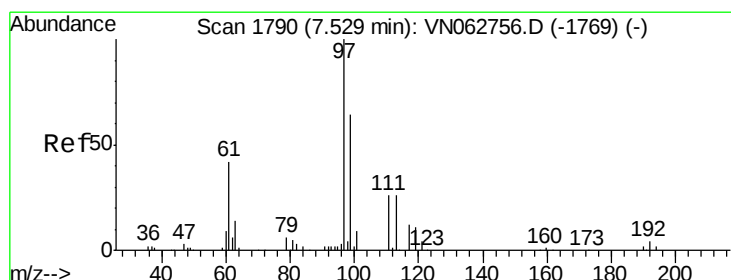
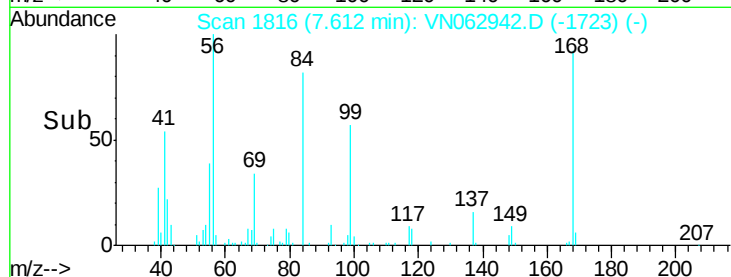
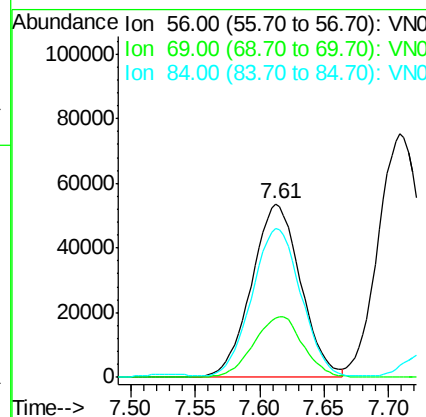
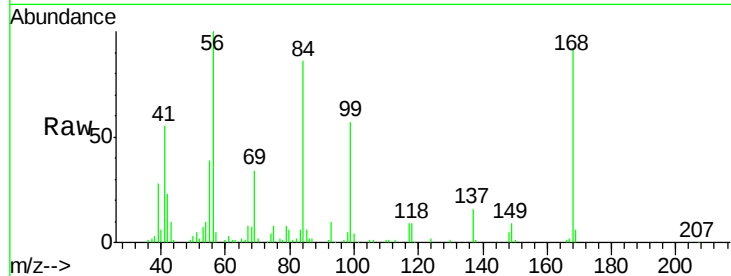
VSTDCCC050

Tot Ion: 56 Resp: 142335

Ion	Ratio	Lower	Upper
56	100		
69	34.1	28.1	42.1
84	84.7	66.8	100.2

Manual Integrations
APPROVED

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8/17/2020 11:43:53 AM



#32

1,1,1-Trichloroethane

Concen: 45.047 ug/l

RT: 7.53 min Scan# 1790

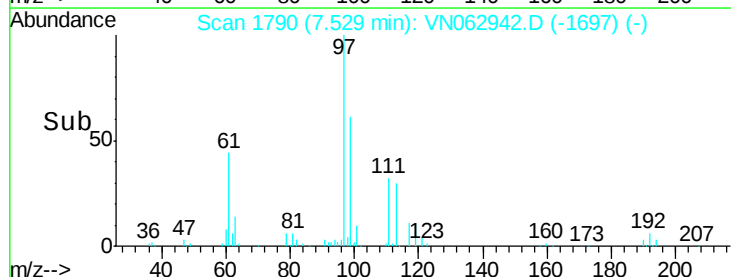
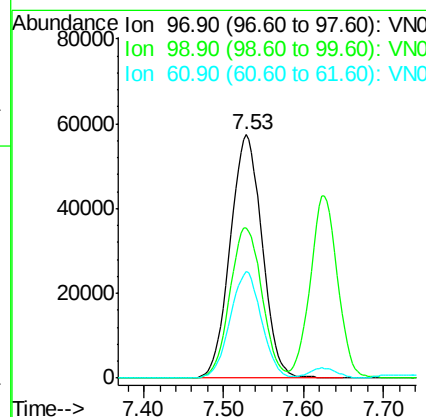
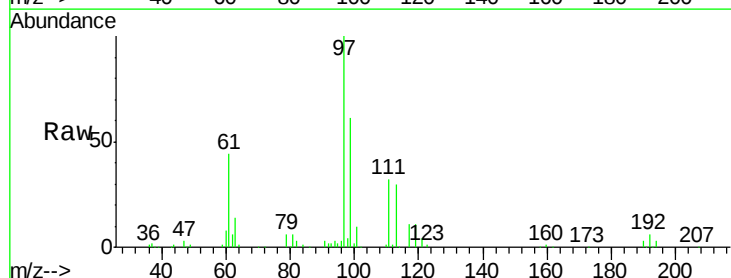
Delta R.T. -0.00 min

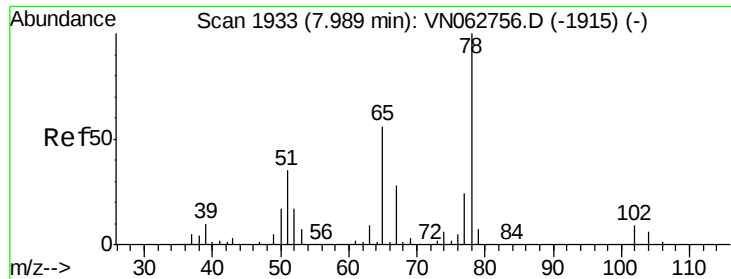
Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Tgt Ion: 97 Resp: 155505

Ion	Ratio	Lower	Upper
97	100		
99	62.3	50.0	75.0
61	43.1	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 47.483 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 130612

Ion Ratio Lower Upper

65 100

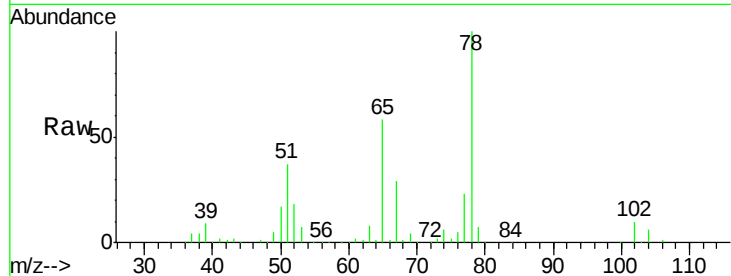
67 50.9 0.0 101.4

Manual Integrations

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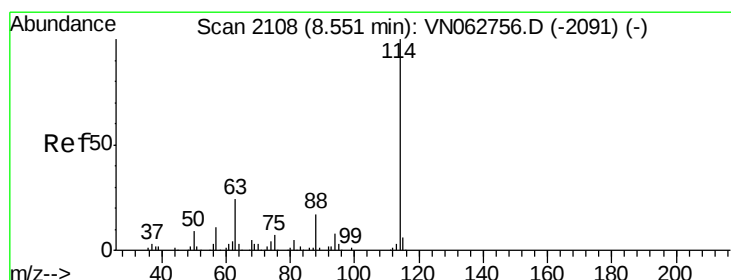
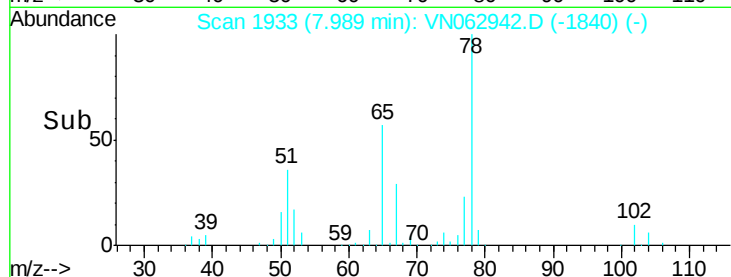
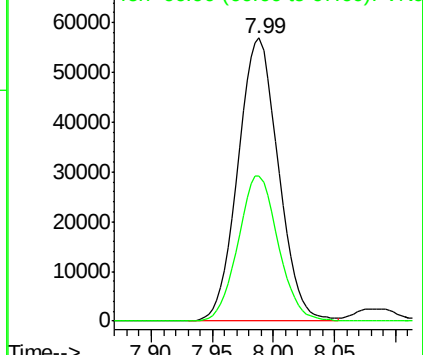
MMDadoda

8/17/2020 11:43:53 AM



Abundance Ion 64.90 (64.60 to 65.60): VN062756.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062756.D (-1915) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

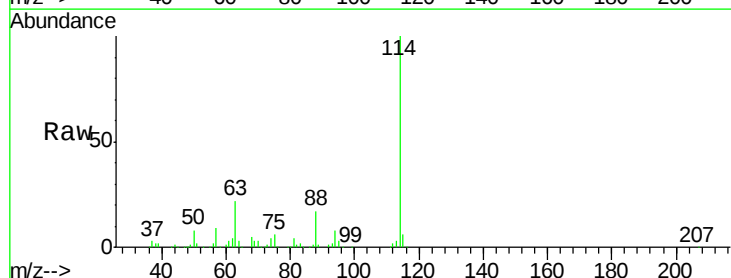
Tgt Ion: 114 Resp: 255395

Ion Ratio Lower Upper

114 100

63 22.0 0.0 47.6

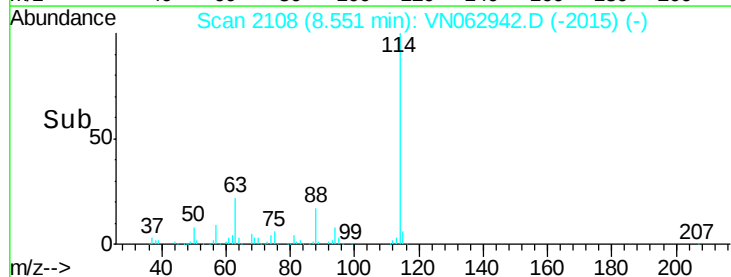
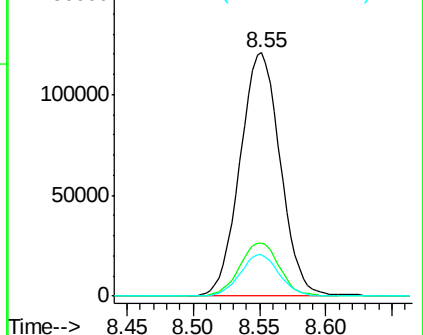
88 17.1 0.0 34.4

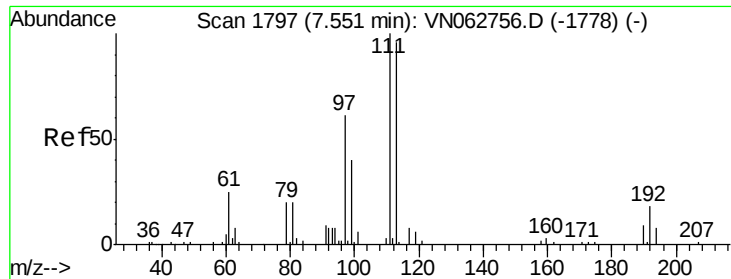


Abundance Ion 113.90 (113.60 to 114.60): VN062756.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062756.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062756.D (-2091) (-)





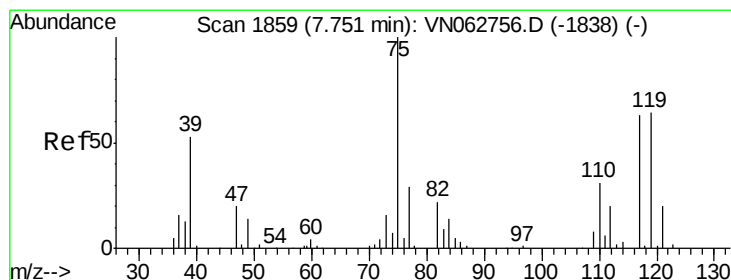
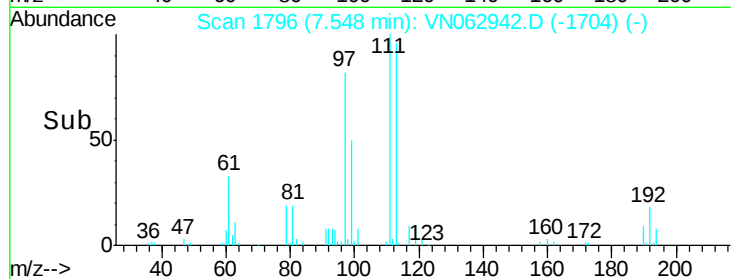
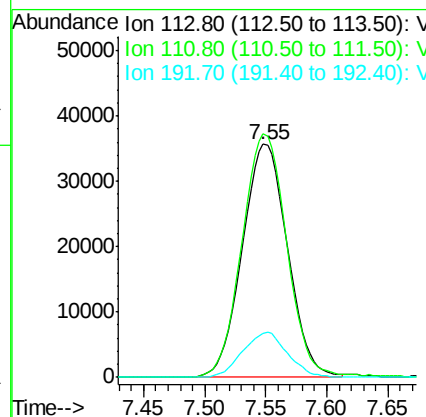
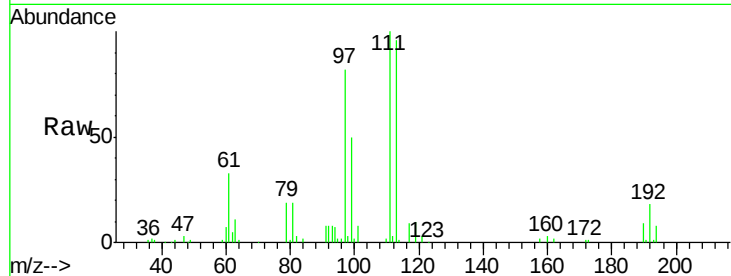
#35
 Dibromofluoromethane
 Concen: 52.385 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	91519		
111	103.4	81.8	122.6	
192	19.0	15.0	22.4	

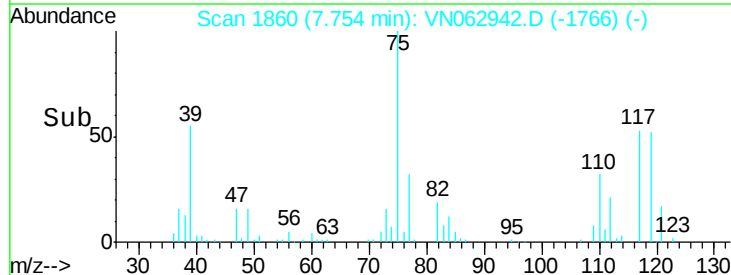
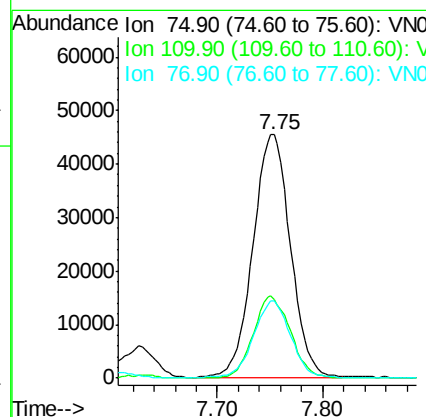
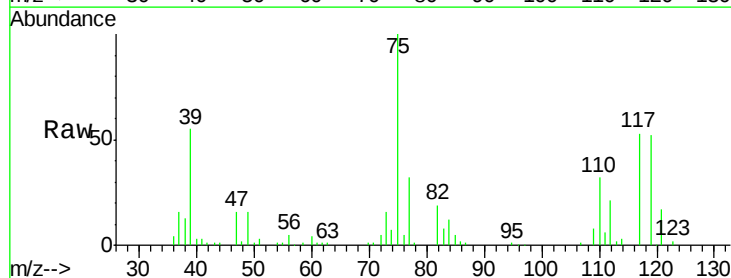
Manual Integrations
 APPROVED

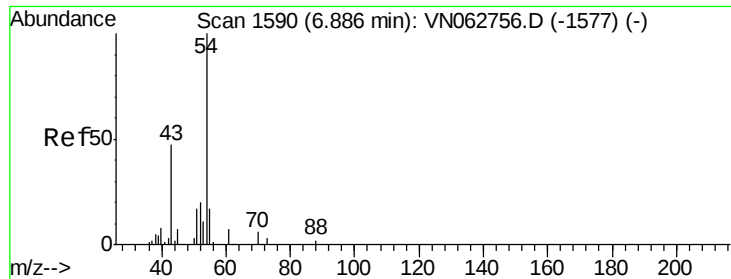
MMDadoda
 8/17/2020 11:43:53 AM



#36
 1,1-Dichloropropene
 Concen: 45.055 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	112043		
110	33.4	15.6	46.7	
77	31.7	24.1	36.1	





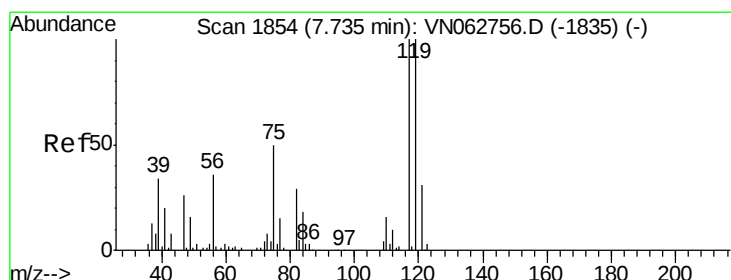
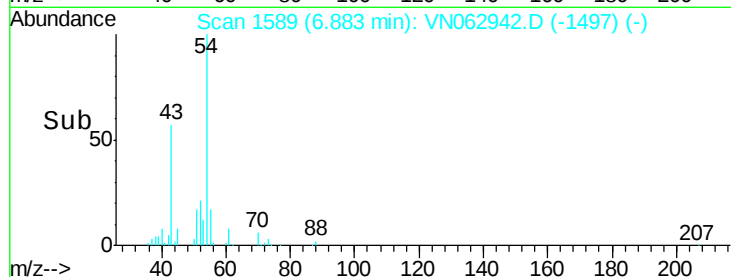
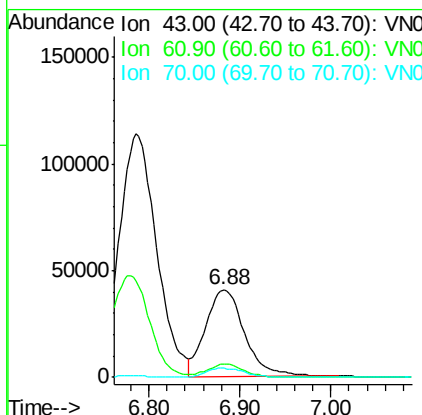
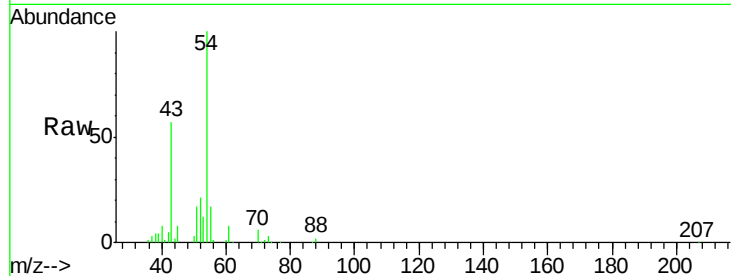
#37
Ethyl Acetate
Concen: 47.086 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	122317
Ion Ratio	Lower	Upper	
43	100		
61	14.2	12.1	18.1
70	10.0	8.3	12.5

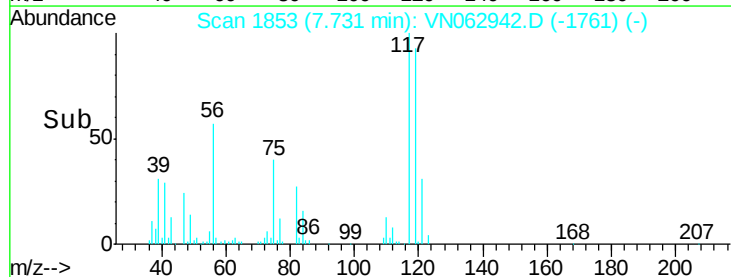
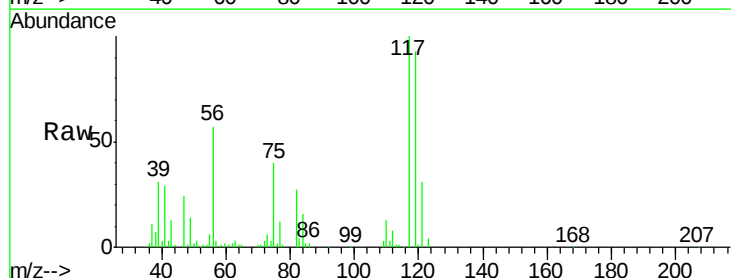
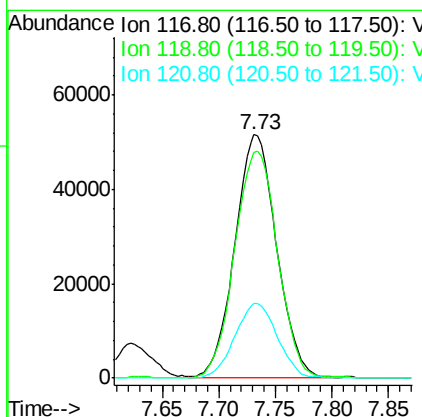
Manual Integrations
APPROVED

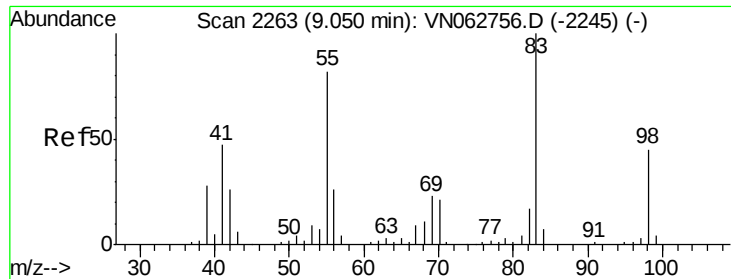
MMDadoda
8/17/2020 11:43:53 AM



#38
Carbon Tetrachloride
Concen: 44.751 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	117	Resp	131620
Ion Ratio	Lower	Upper	
117	100		
119	93.0	79.4	119.2
121	30.8	24.9	37.3





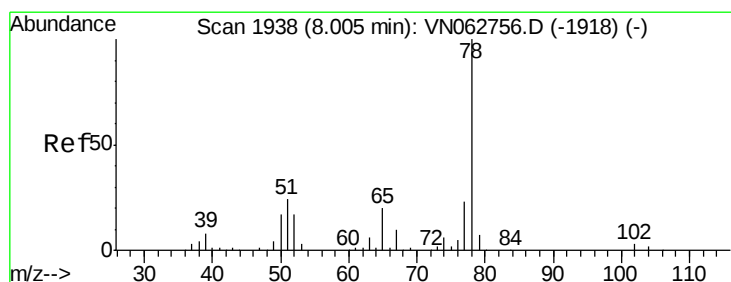
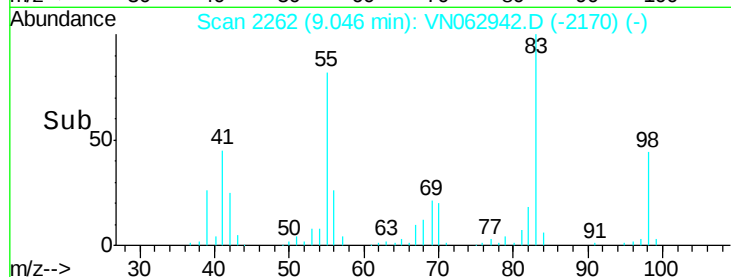
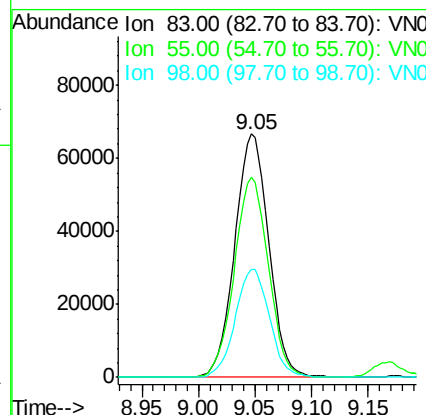
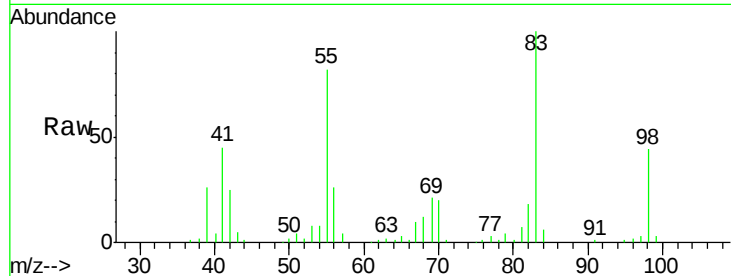
#39
Methvlcvclohexane
Concen: 46.735 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.3	65.7	98.5	
98	44.4	35.6	53.4	

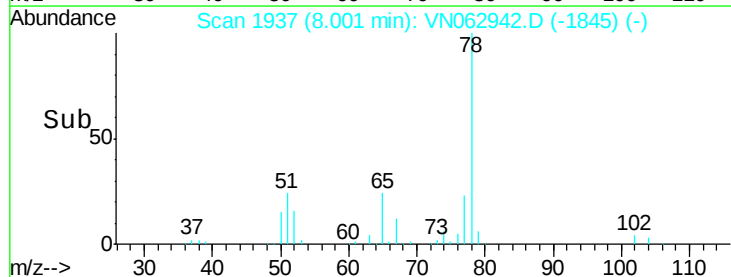
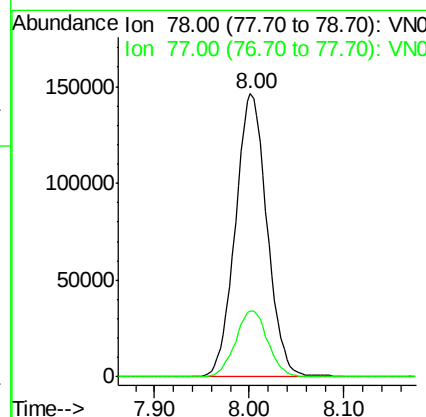
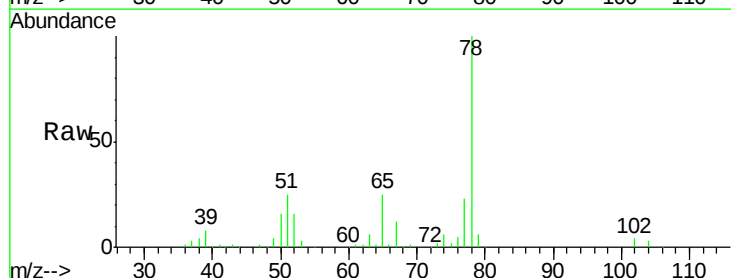
Manual Integrations
APPROVED

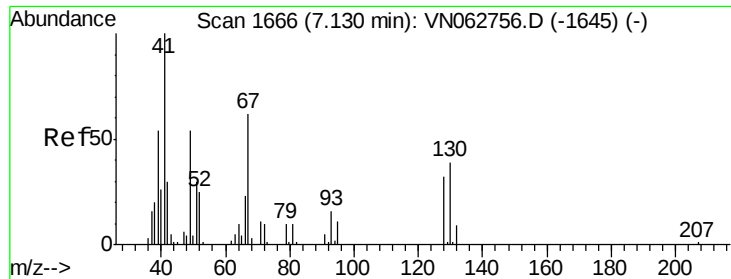
MMDadoda
8/17/2020 11:43:53 AM



#40
Benzene
Concen: 45.803 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.1	27.1	





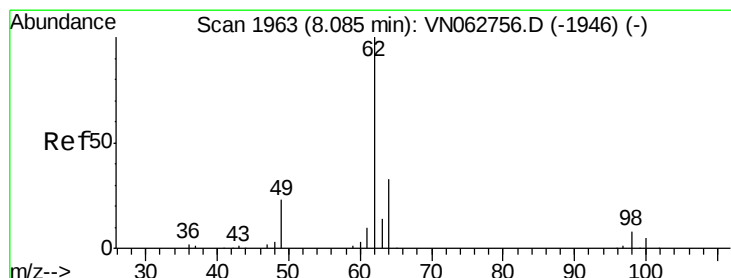
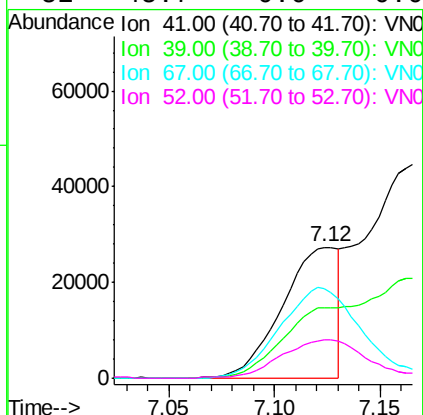
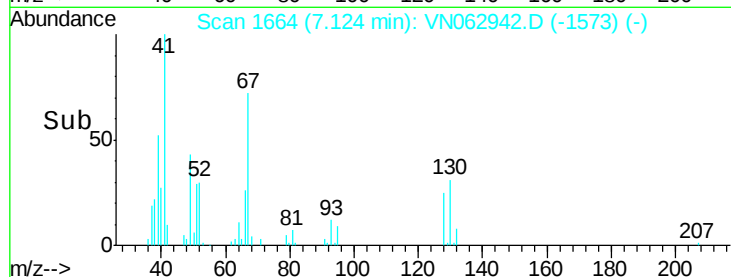
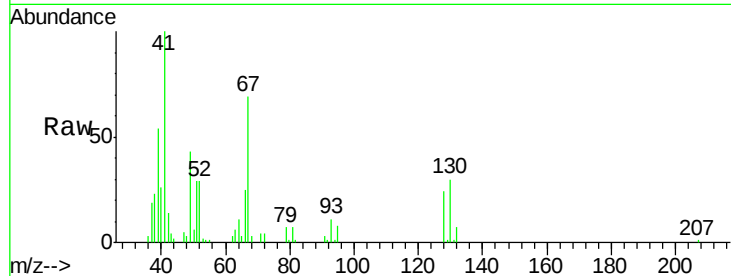
#41
Methacrylonitrile
Concen: 43.086 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	69.4	104.2#
67	102.5	0.0	0.0#
52	45.7	0.0	0.0#

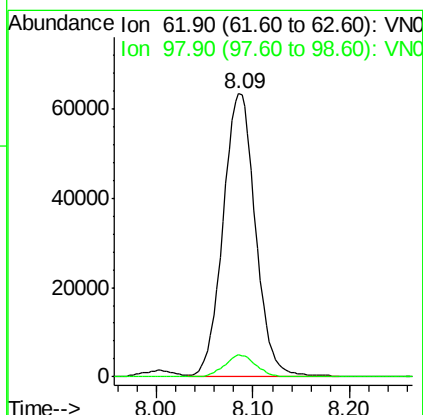
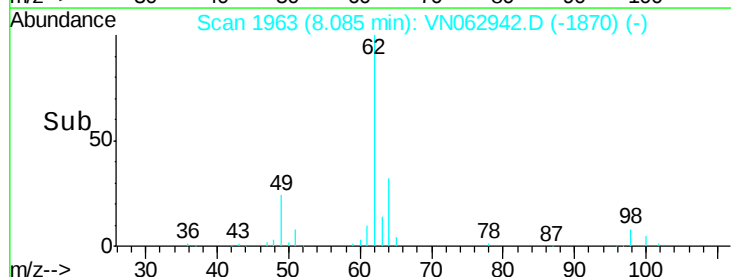
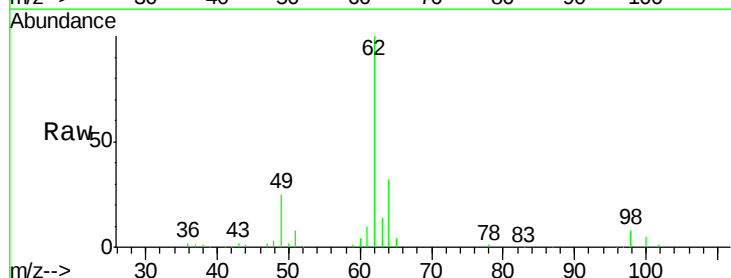
Manual Integrations
APPROVED

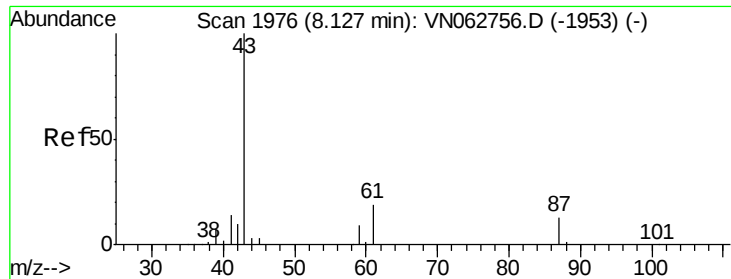
MMDadoda
8/17/2020 11:43:53 AM



#42
1,2-Dichloroethane
Concen: 46.530 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.8





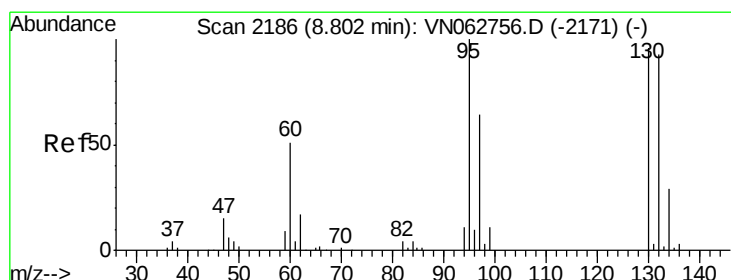
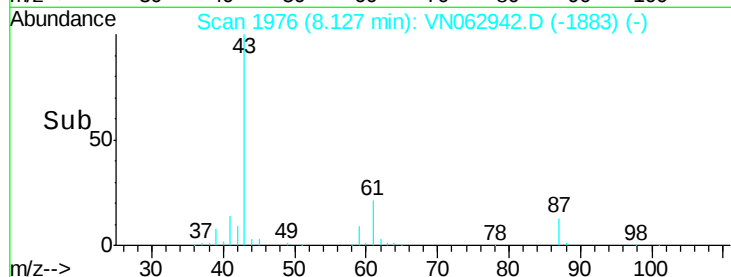
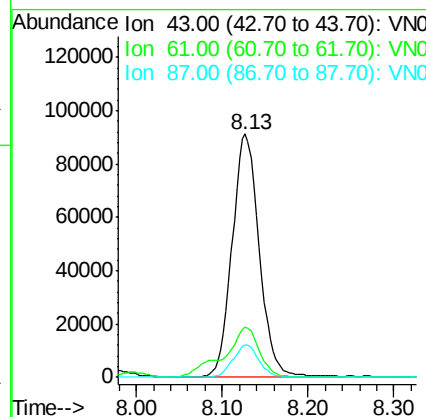
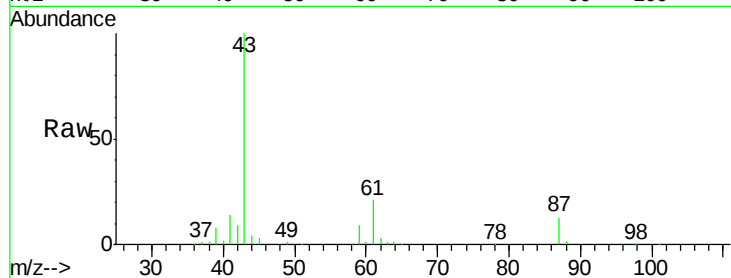
#43
Isopropyl Acetate
Concen: 45.842 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.8	23.6
87	13.0	9.9	14.9

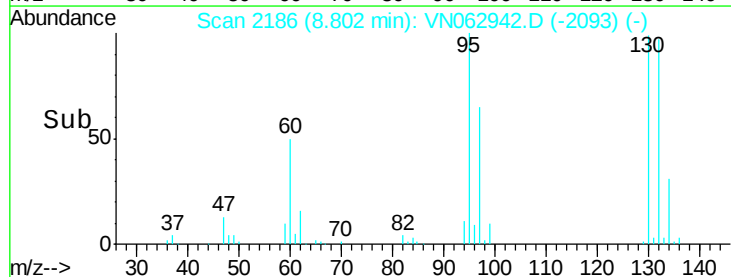
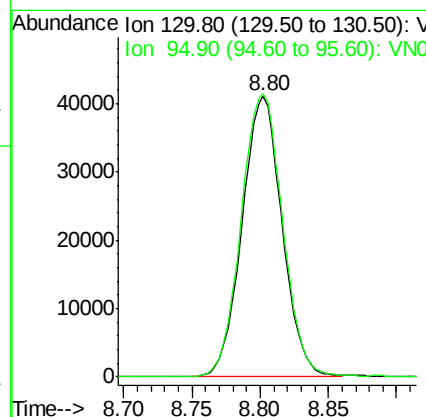
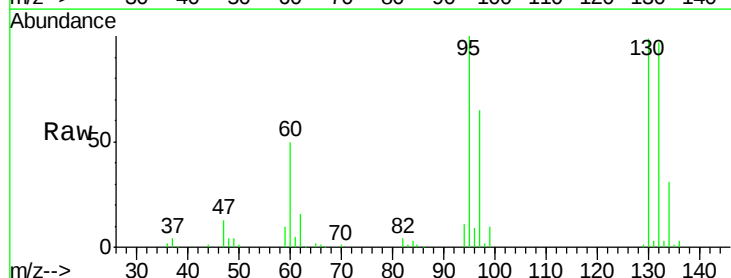
Manual Integrations
APPROVED

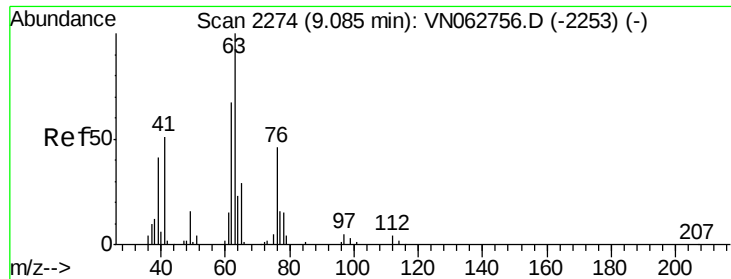
MMDadoda
8/17/2020 11:43:53 AM



#44
Trichloroethene
Concen: 46.242 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	207.6





#45

1,2-Dichloropropane

Concen: 48.920 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 98251

Ion Ratio Lower Upper

63 100

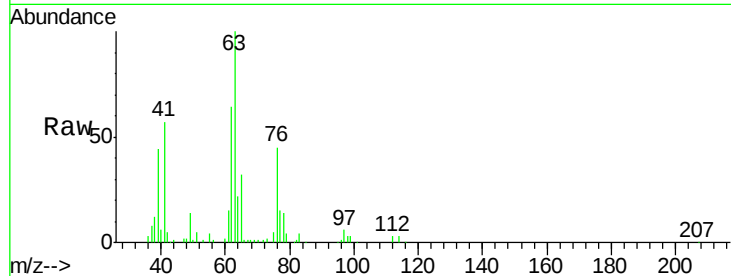
65 31.7 23.5 35.3

Manual Integrations

APPROVED

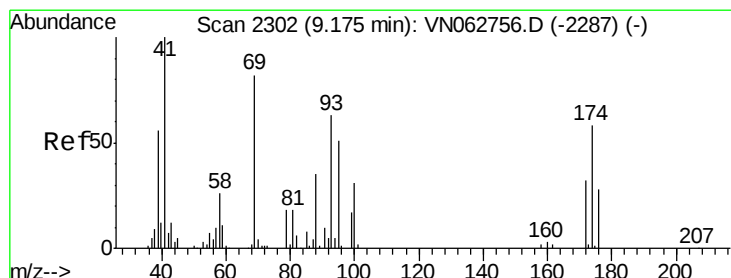
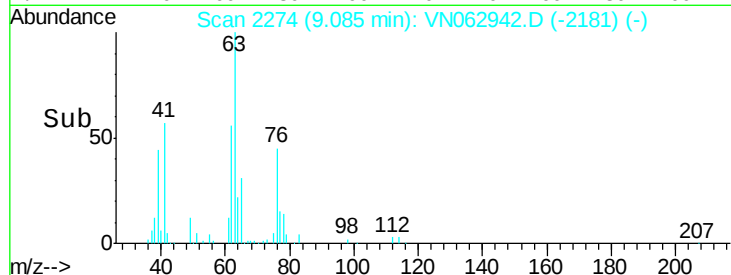
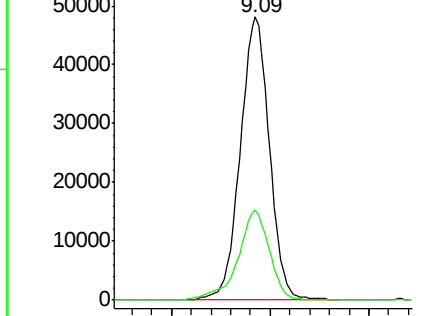
MMDadoda

8/17/2020 11:43:53 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.419 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

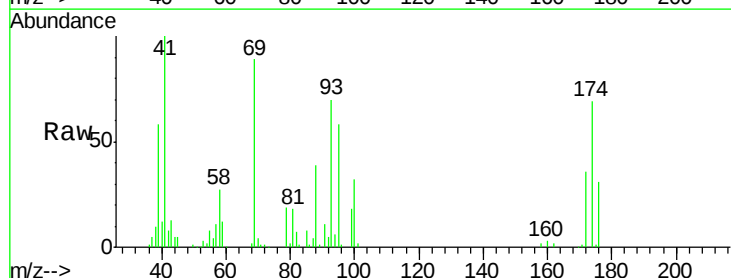
Tgt Ion: 93 Resp: 63716

Ion Ratio Lower Upper

93 100

95 81.8 65.1 97.7

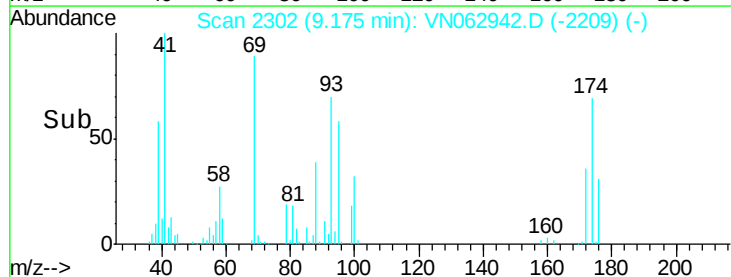
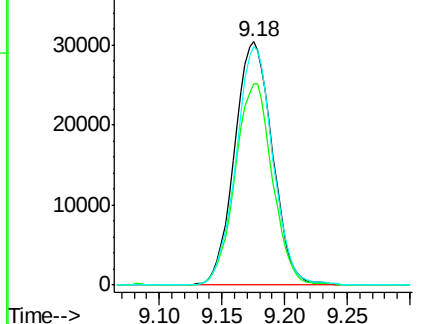
174 95.3 73.9 110.9

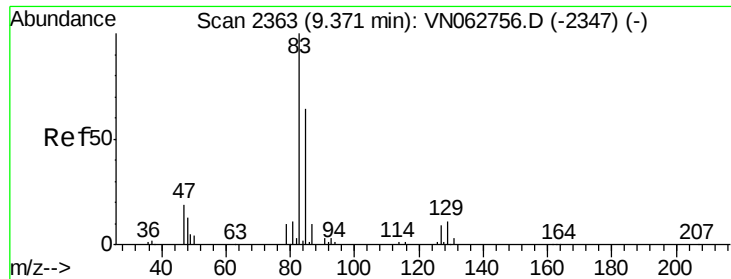


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.409 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

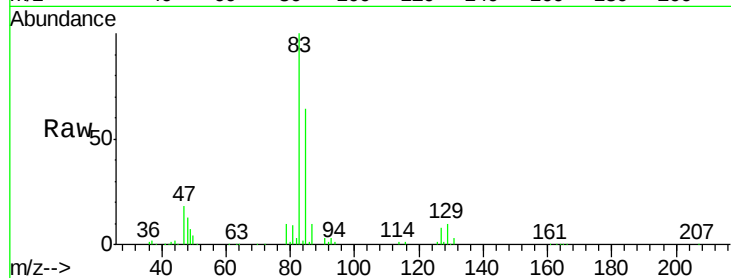
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	146030
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.0
127	8.2	6.9	10.3

Manual Integrations
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MMDadoda
8/17/2020 11:43:53 AM

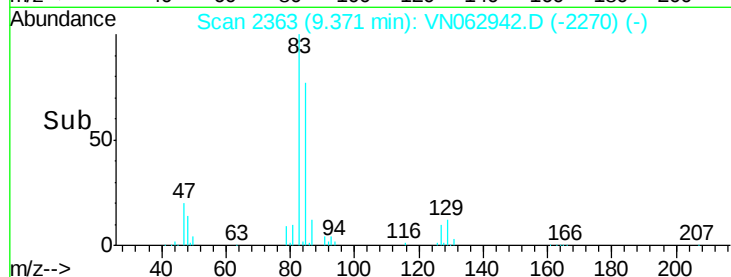


Abundance Ion 82.90 (82.60 to 83.60): VN062756.D (-2347) (-)

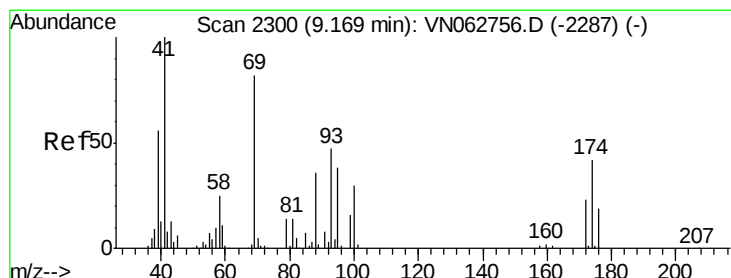
Ion 84.90 (84.60 to 85.60): VN062756.D (-2347) (-)

Ion 126.80 (126.50 to 127.50): VN062756.D (-2347) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 46.252 ug/l

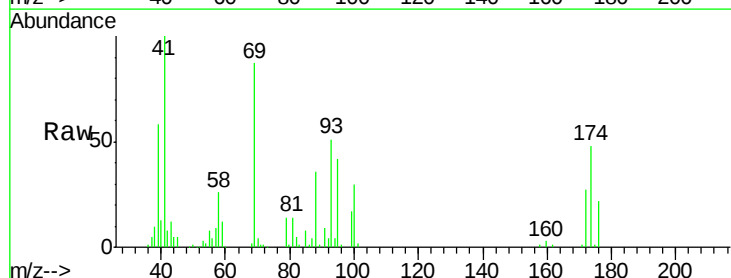
RT: 9.17 min Scan# 2300

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Tgt Ion:	41	Resp:	98573
Ion	Ratio	Lower	Upper
41	100		
69	88.3	67.4	101.2
39	59.5	47.6	71.4

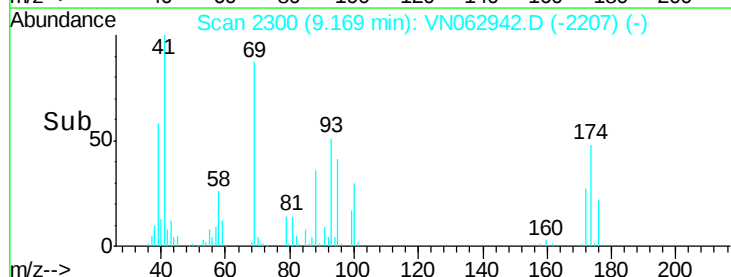


Abundance Ion 41.00 (40.70 to 41.70): VN062756.D (-2287) (-)

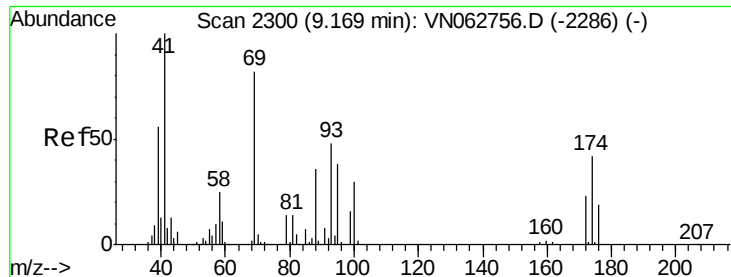
Ion 69.00 (68.70 to 69.70): VN062756.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN062756.D (-2287) (-)

Time-->



Time-->



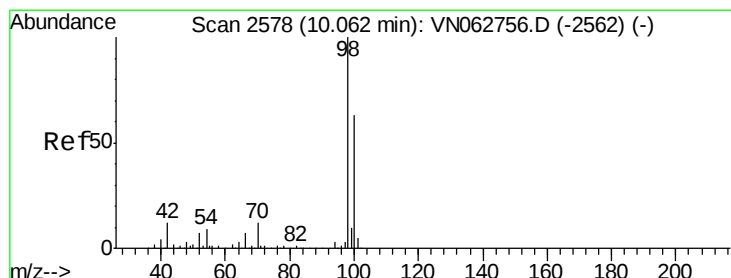
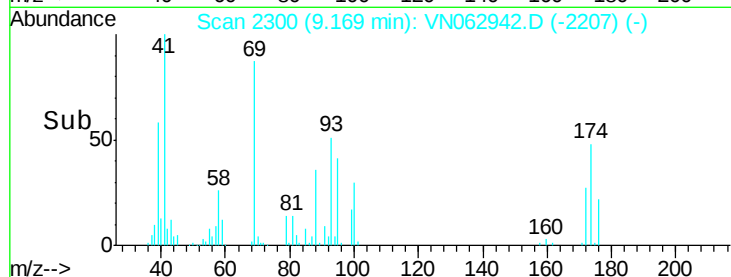
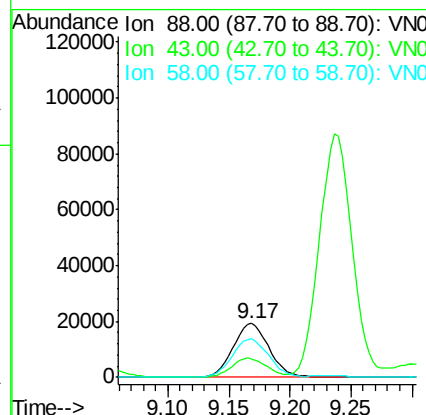
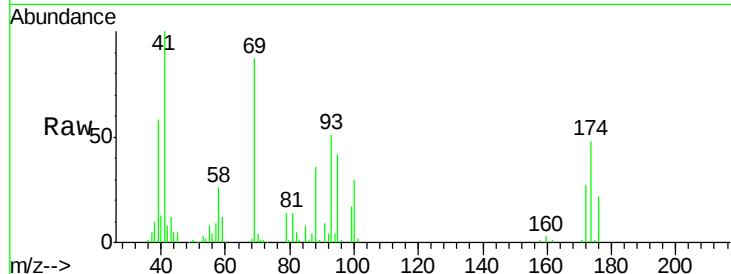
#49
1,4-Dioxane
Concen: 1008.839 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	29.5	44.3
58	72.1	59.8	89.8

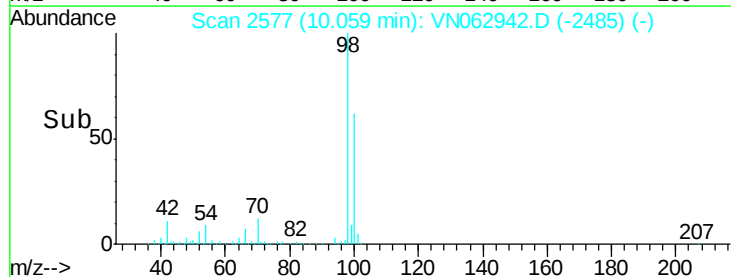
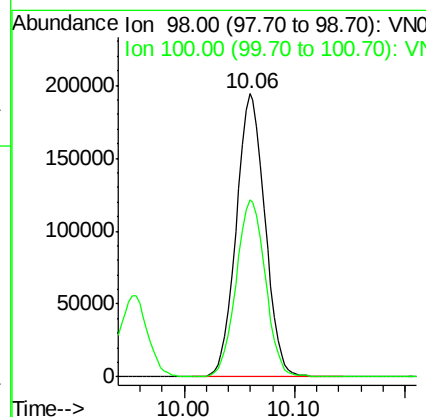
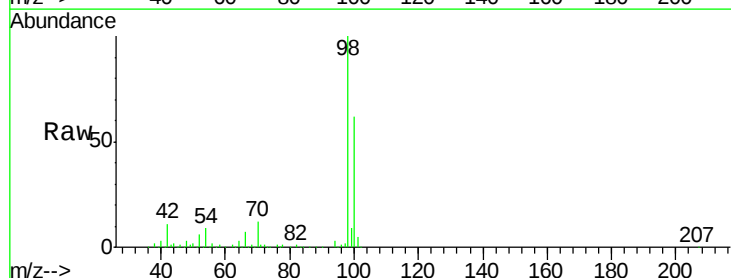
Manual Integrations
APPROVED

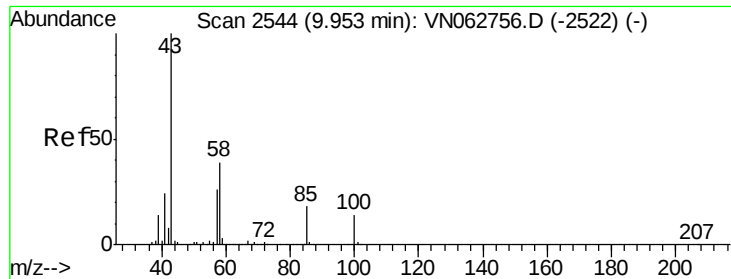
MMDadoda
8/17/2020 11:43:53 AM



#50
Toluene-d8
Concen: 51.404 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 242.357 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 679437

Ion Ratio Lower Upper

43 100

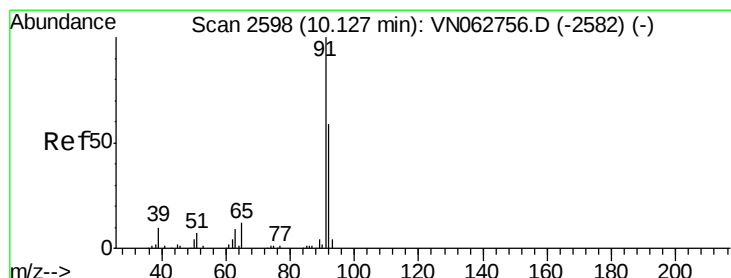
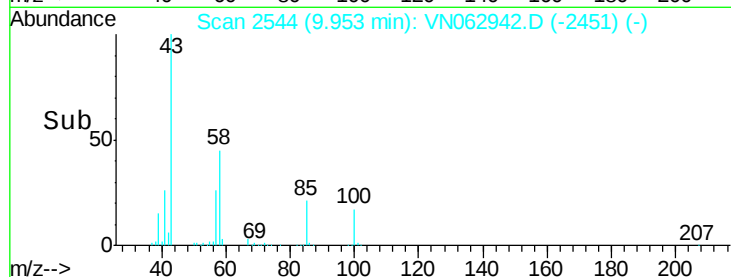
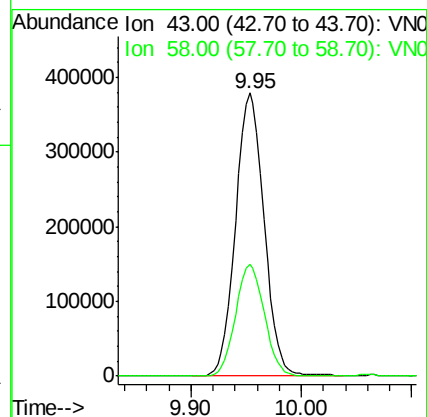
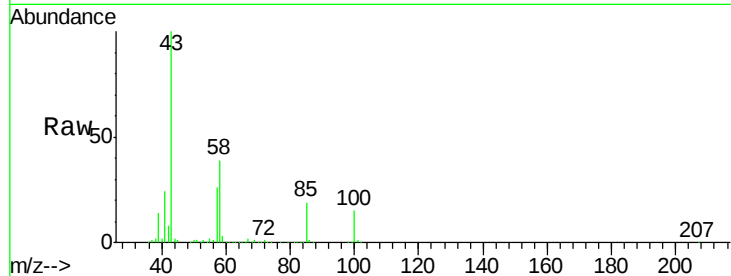
58 40.0 31.1 46.7

Manual Integrations

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MMDadoda

8/17/2020 11:43:53 AM



#52

Toluene

Concen: 47.913 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062942.D

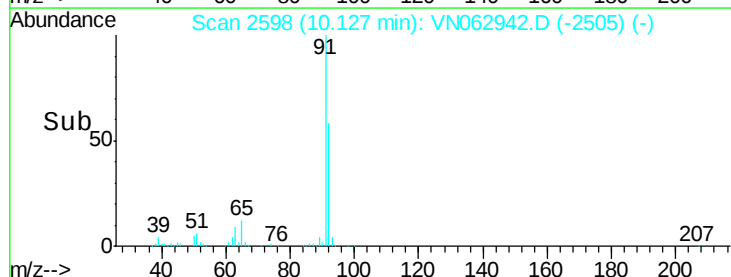
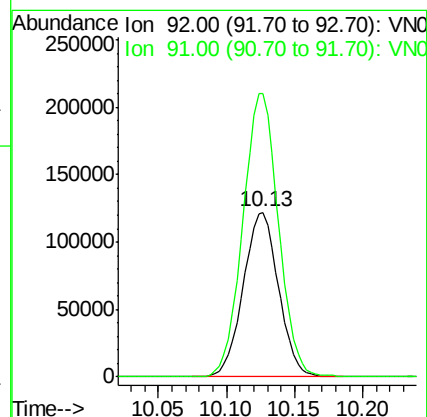
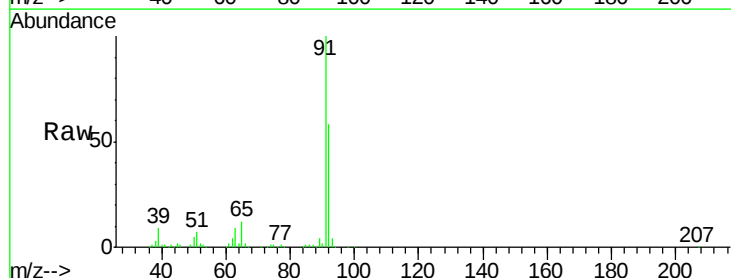
Acq: 14 Aug 2020 18:30

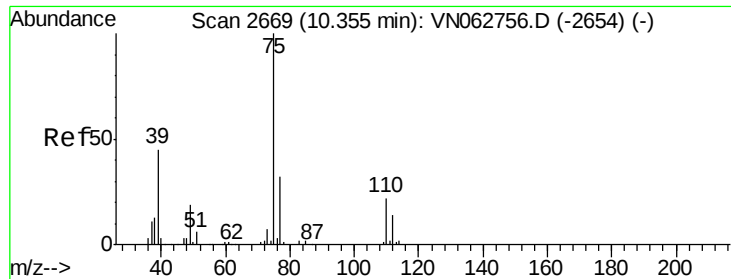
Tgt Ion: 92 Resp: 219522

Ion Ratio Lower Upper

92 100

91 173.7 138.9 208.3





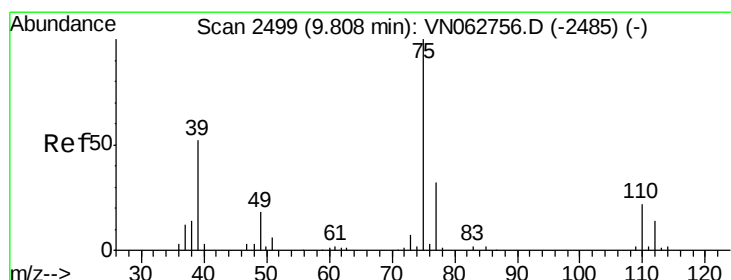
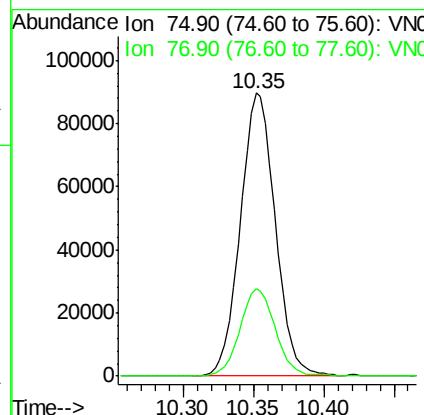
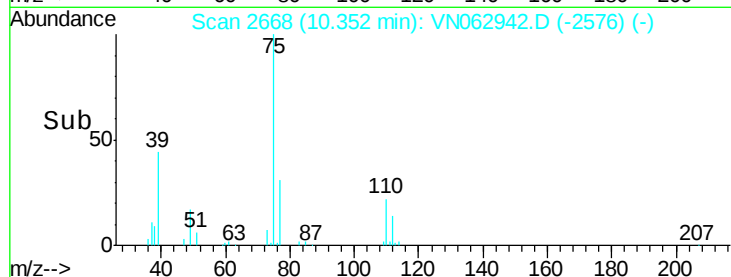
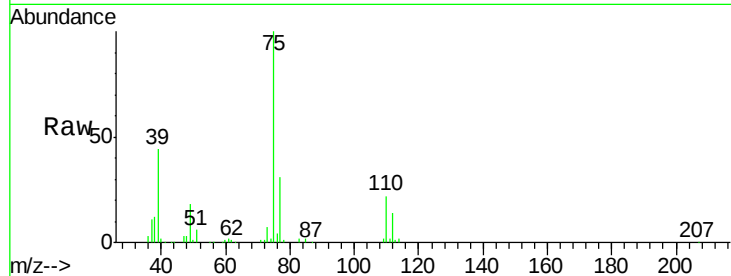
#53
 t-1,3-Dichloropropene
 Concen: 47.897 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 155712
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.2

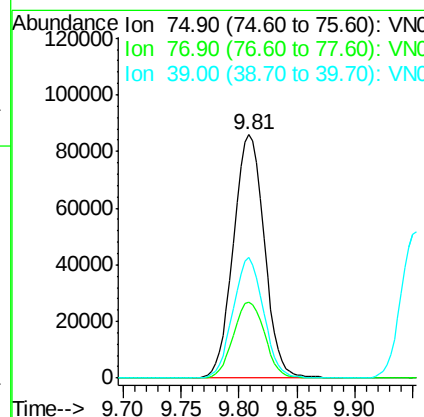
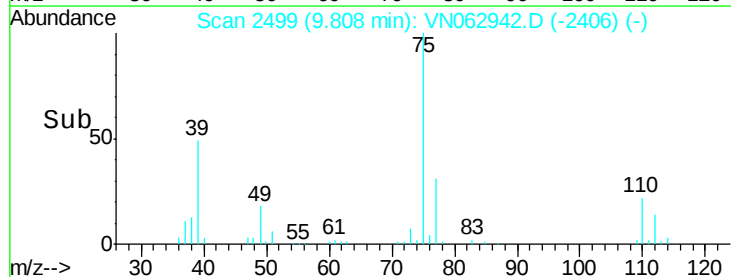
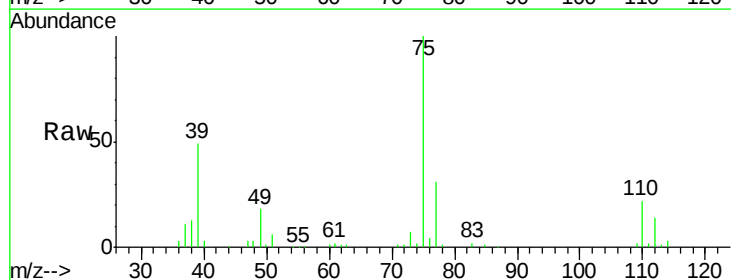
Manual Integrations
 APPROVED

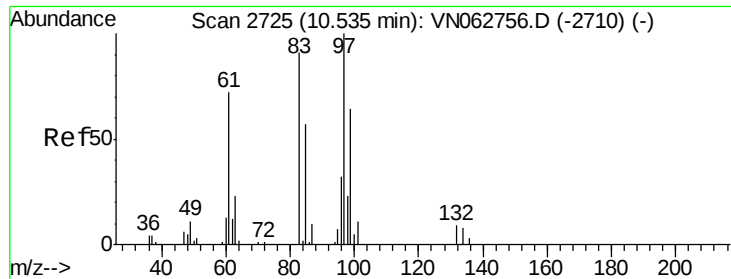
MMDadoda
 8/17/2020 11:43:53 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.558 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Tgt Ion: 75 Resp: 158495
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3
 39 49.4 41.9 62.9





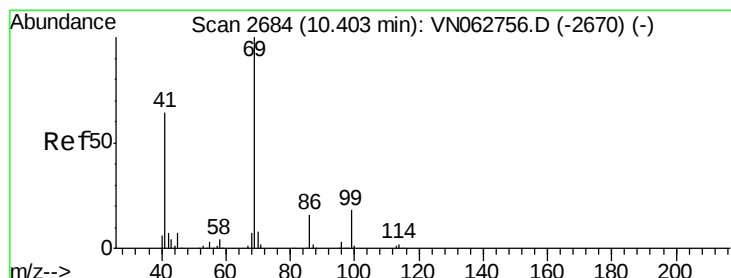
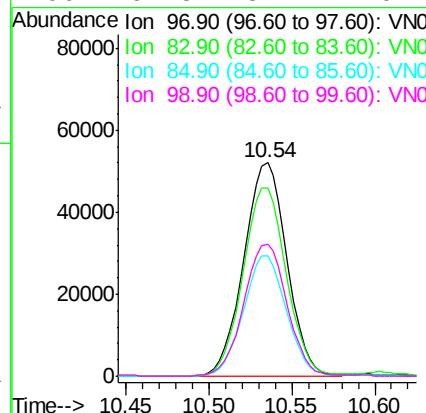
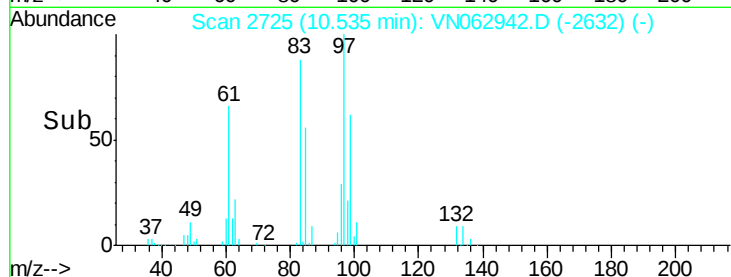
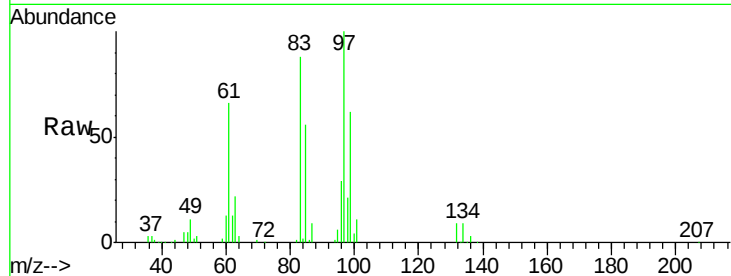
#55
 1,1,2-Trichloroethane
 Concen: 48.013 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	93952
Ion	Ratio	Lower	Upper
97	100		
83	88.2	72.6	108.8
85	56.3	46.0	69.0
99	61.8	51.1	76.7

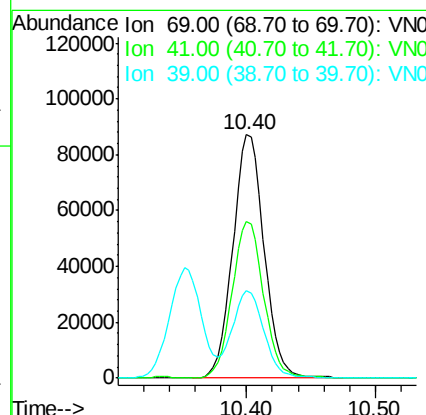
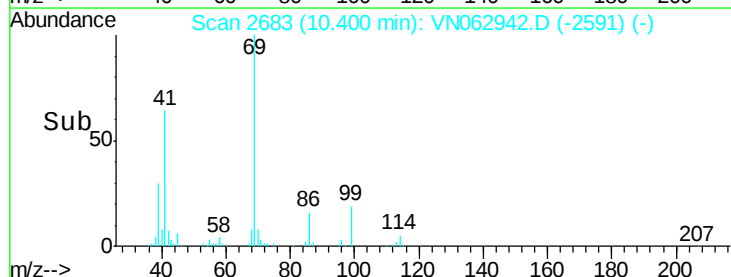
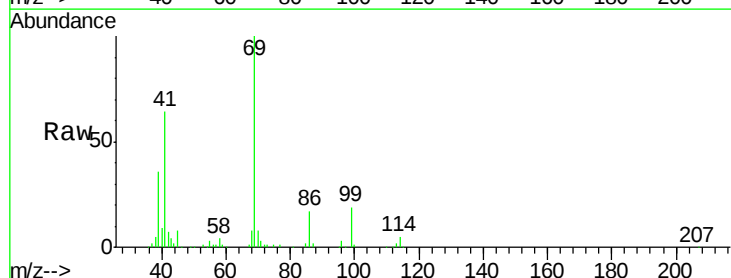
Manual Integrations
 APPROVED

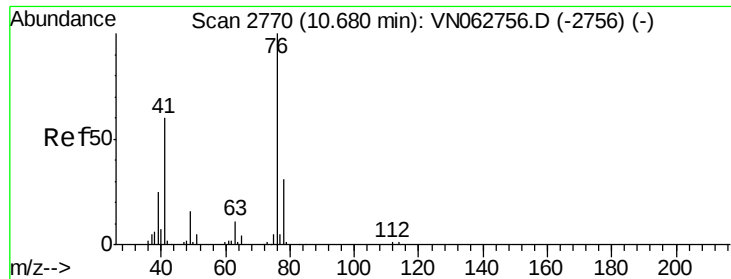
MMDadoda
 8/17/2020 11:43:53 AM



#56
 Ethyl methacrylate
 Concen: 49.957 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Tgt Ion:	69	Resp:	147142
Ion	Ratio	Lower	Upper
69	100		
41	64.1	52.2	78.2
39	35.7	30.9	46.3





#57

1,3-Dichloropropane

Concen: 48.396 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 160912

Ion Ratio Lower Upper

76 100

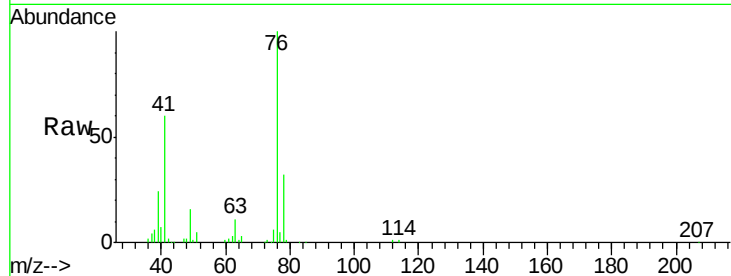
78 31.9 25.4 38.0

Manual Integrations

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MMDadoda

8/17/2020 11:43:53 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

80000

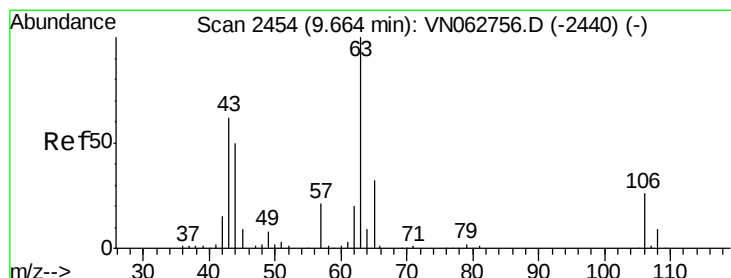
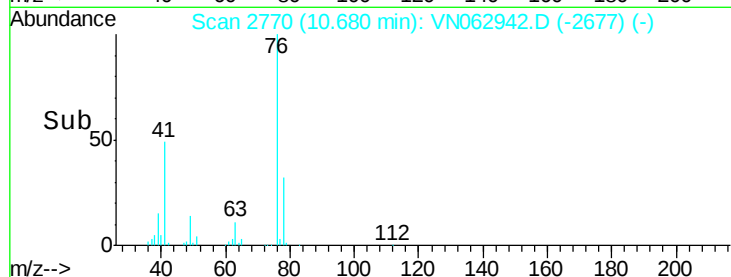
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 211.154 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062942.D

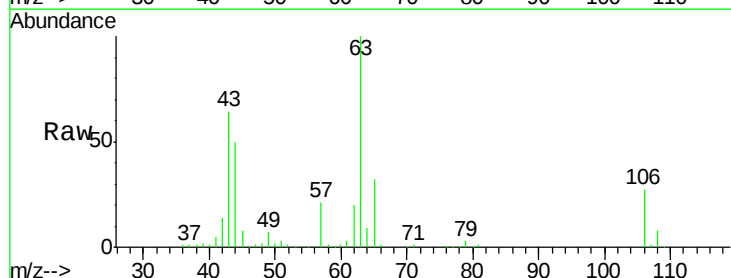
Acq: 14 Aug 2020 18:30

Tgt Ion: 63 Resp: 175798

Ion Ratio Lower Upper

63 100

106 26.8 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

100000

80000

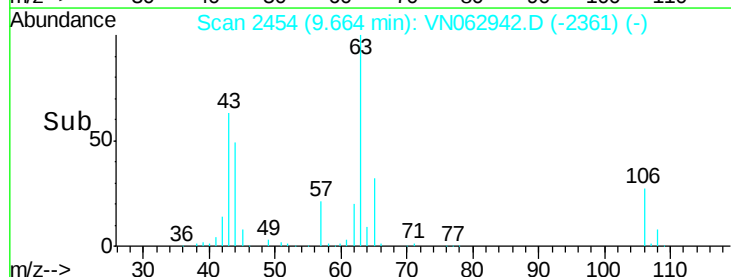
60000

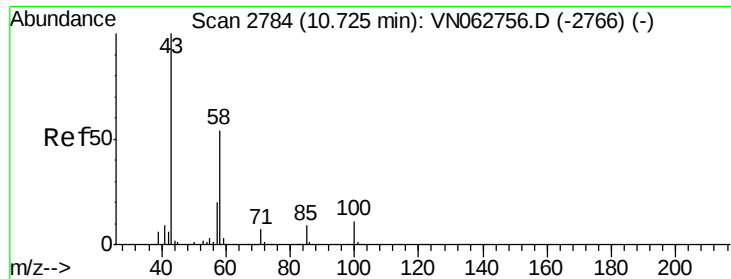
40000

20000

0

Time-->





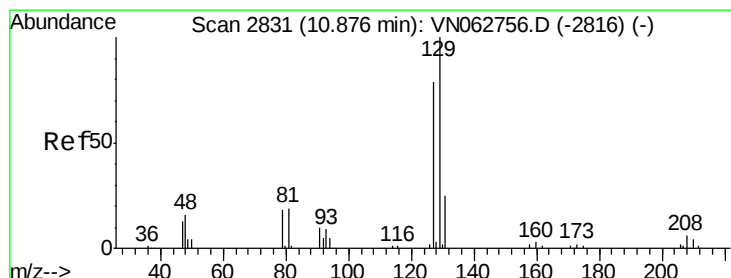
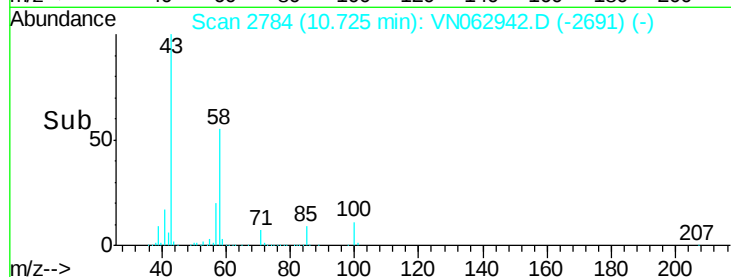
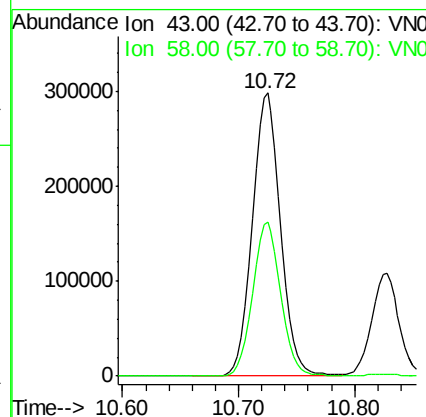
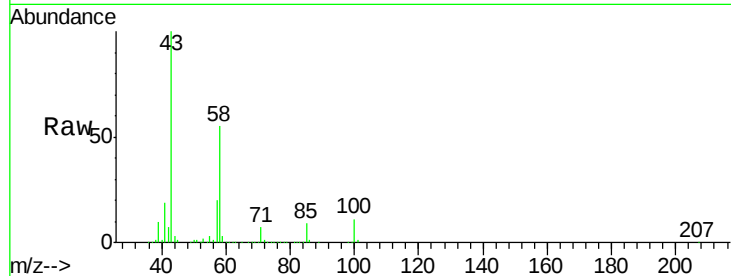
#59
2-Hexanone
Concen: 241.885 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 505834
Ion Ratio Lower Upper
43 100
58 54.3 26.7 80.1

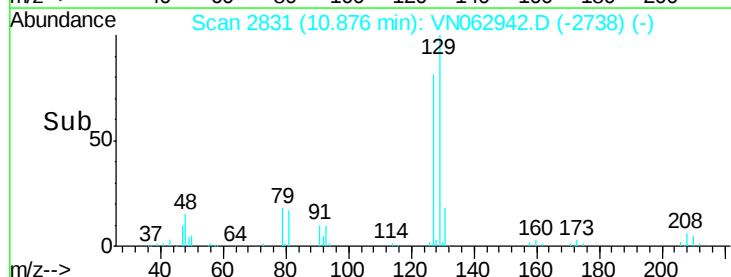
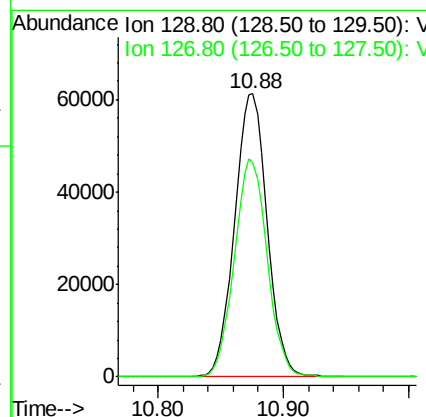
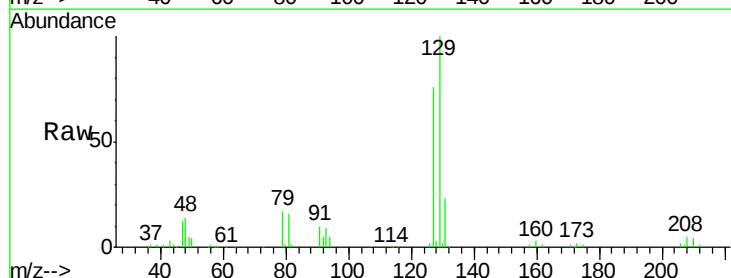
Manual Integrations
APPROVED

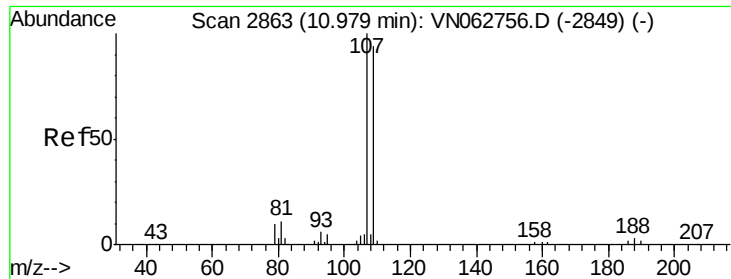
MMDadoda
8/17/2020 11:43:53 AM



#60
Dibromochloromethane
Concen: 49.569 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion: 129 Resp: 110692
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.2





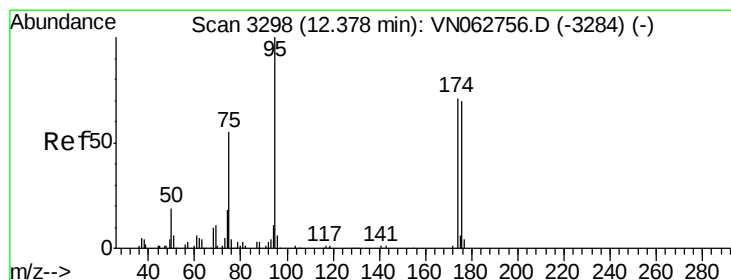
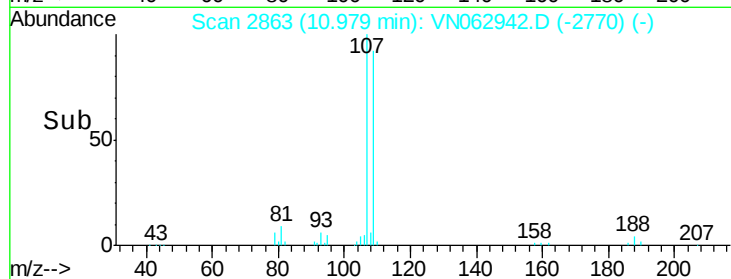
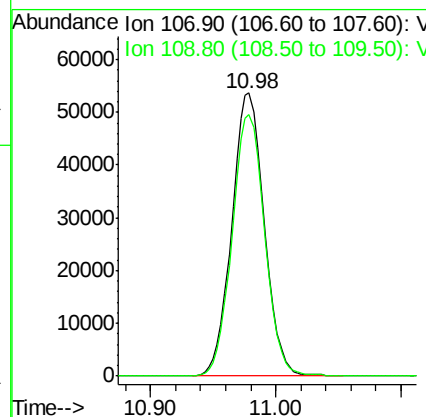
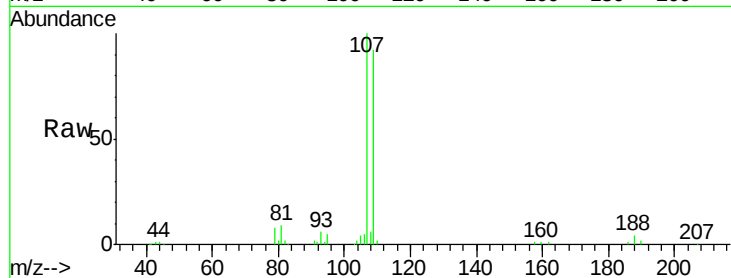
#61
 1,2-Dibromoethane
 Concen: 49.775 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	96111		
109	93.1	76.1	114.1	

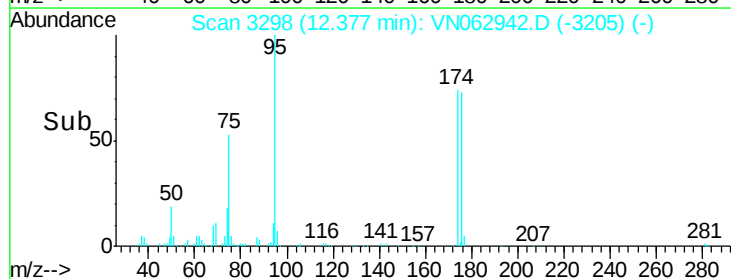
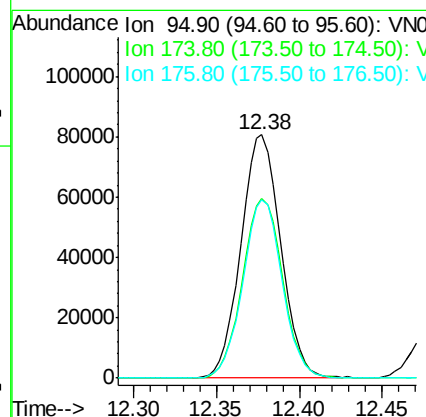
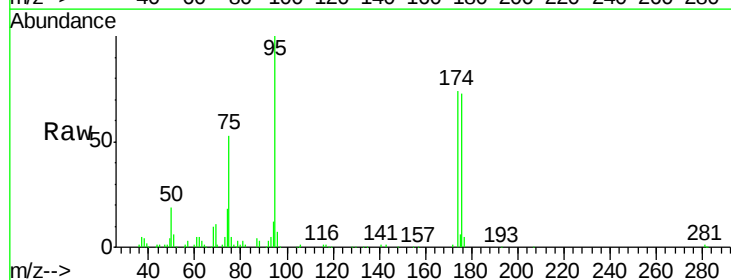
Manual Integrations
 APPROVED

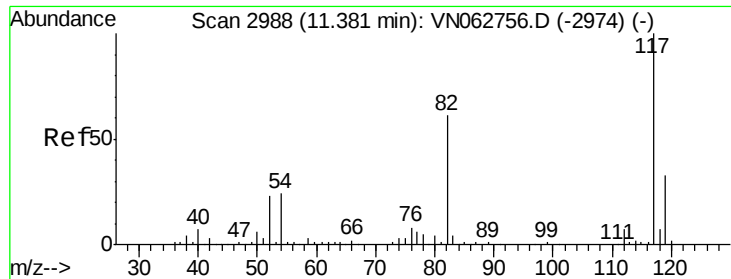
MMDadoda
 8/17/2020 11:43:53 AM



#62
 4-Bromofluorobenzene
 Concen: 52.302 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	134808		
174	74.7	0.0	144.8	
176	72.3	0.0	142.2	





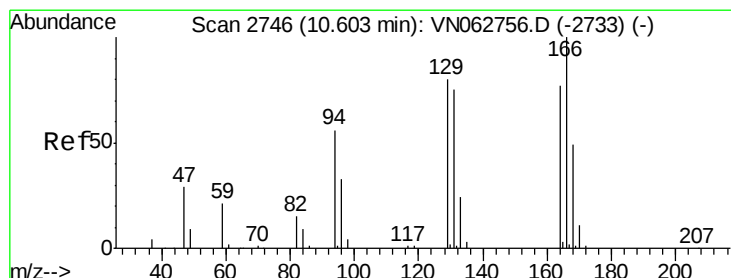
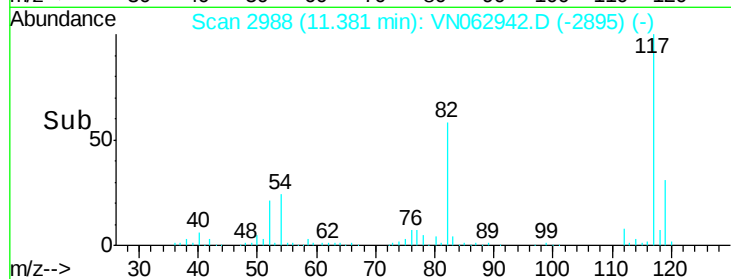
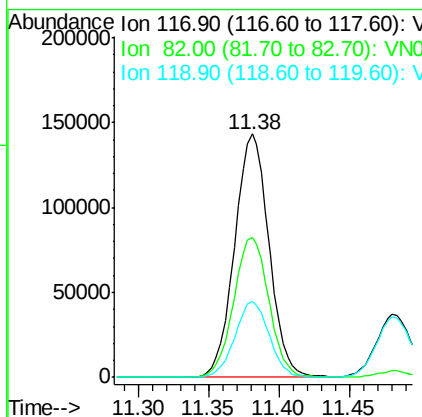
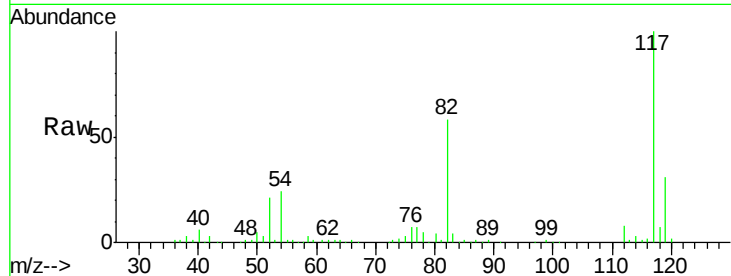
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	49.0	73.4
119	31.2	26.2	39.2

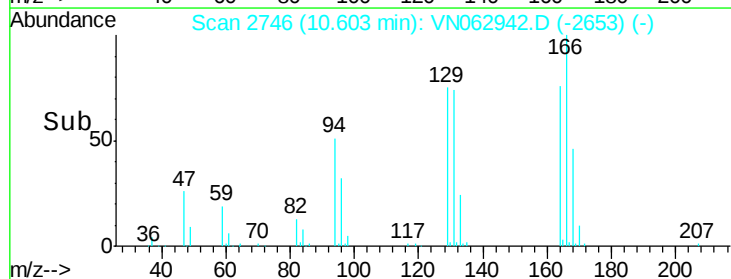
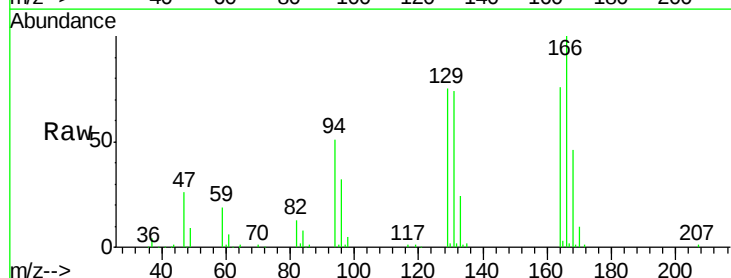
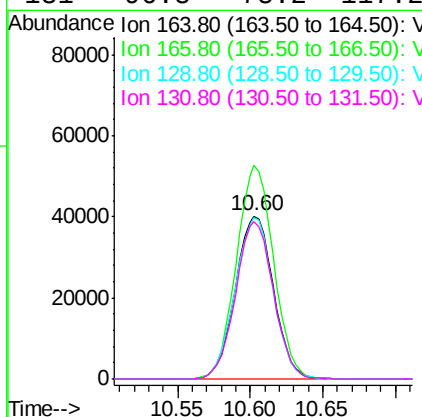
Manual Integrations
APPROVED

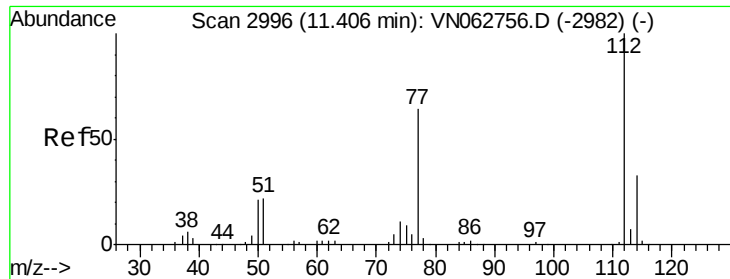
MMDadoda
8/17/2020 11:43:53 AM



#64
Tetrachloroethene
Concen: 46.410 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	103.8	155.8
129	99.0	82.7	124.1
131	96.8	78.2	117.2





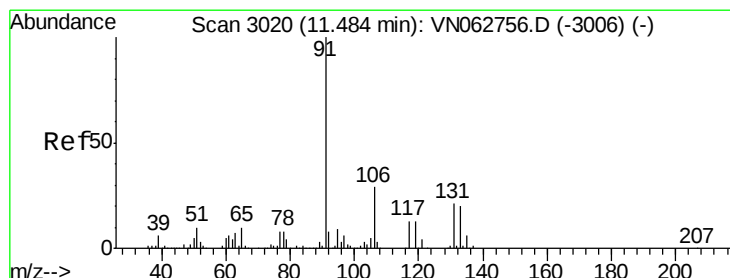
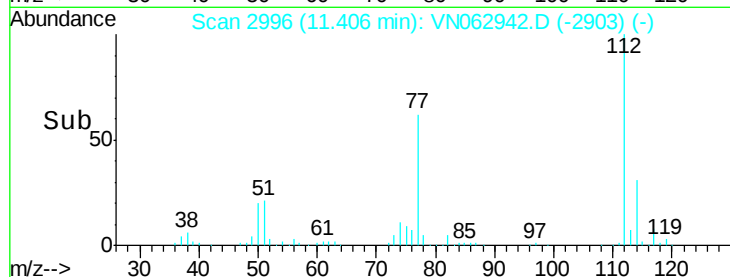
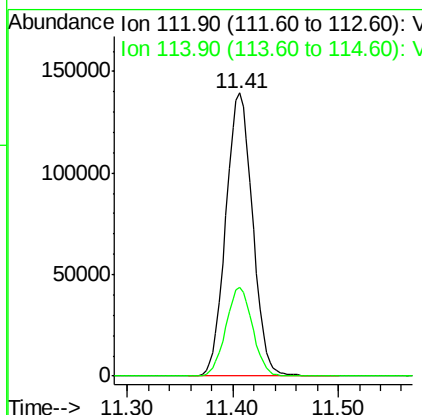
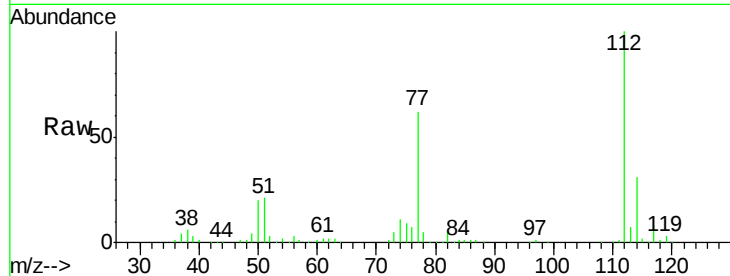
#65
Chlorobenzene
Concen: 47.864 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 244977
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.4

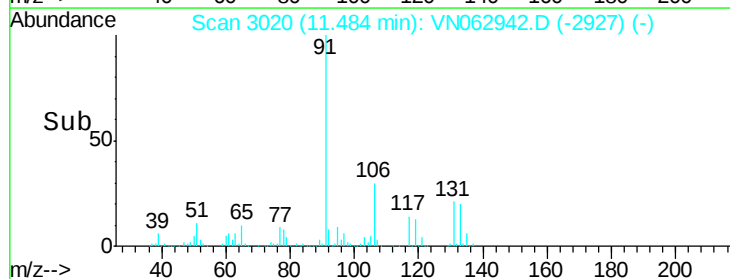
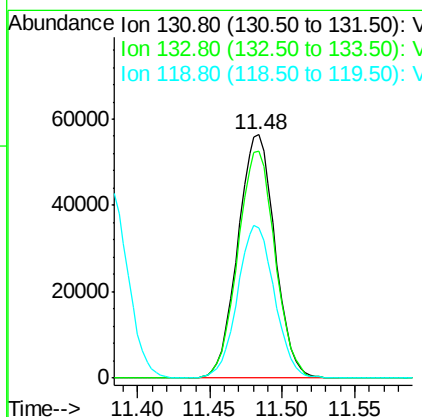
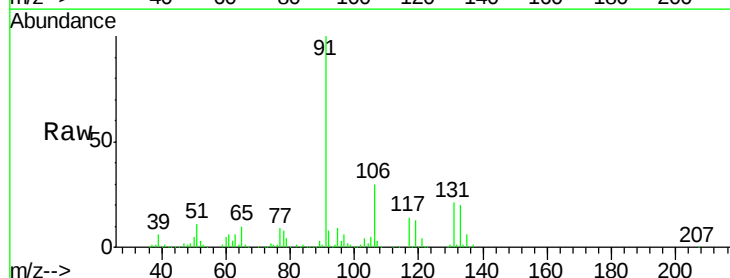
Manual Integrations
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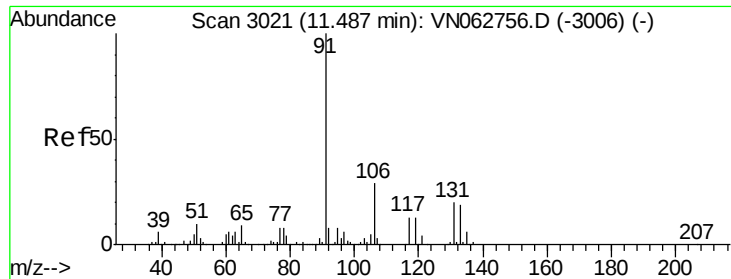
MMDadoda
8/17/2020 11:43:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.782 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion:131 Resp: 100265
Ion Ratio Lower Upper
131 100
133 93.6 48.6 145.8
119 62.5 32.2 96.6





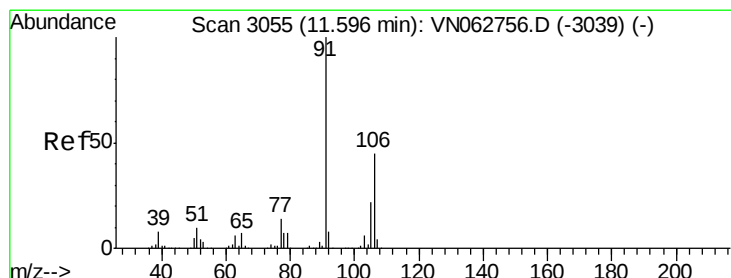
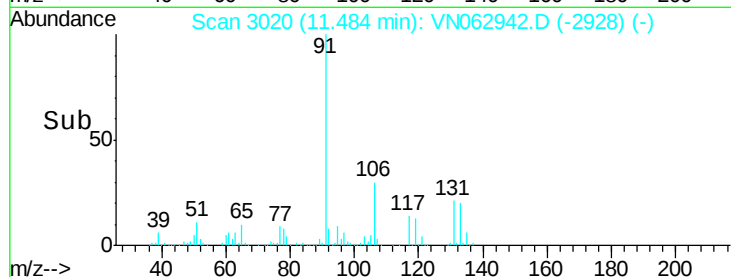
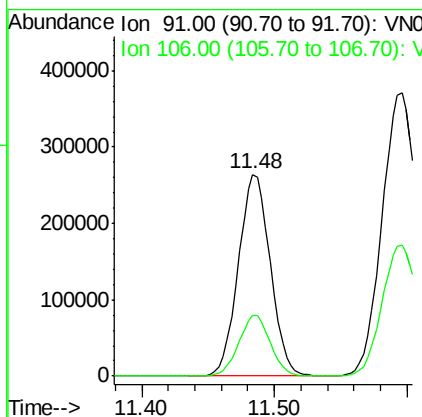
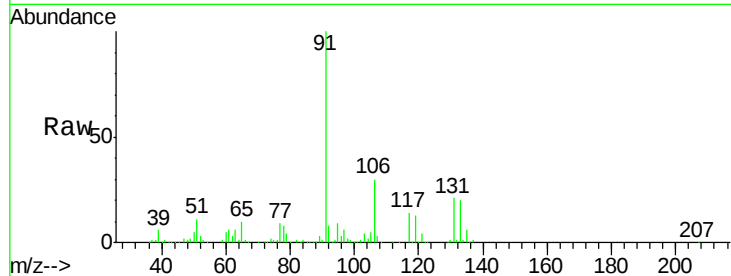
#67
Ethyl Benzene
Concen: 48.275 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.2	34.8

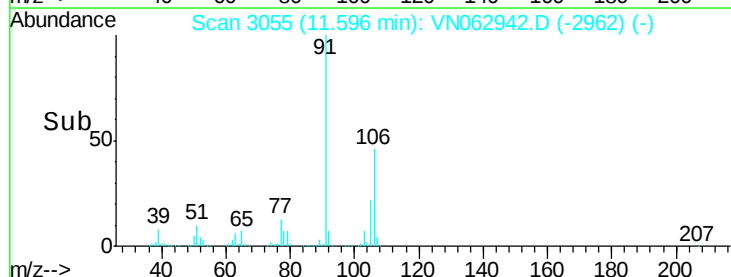
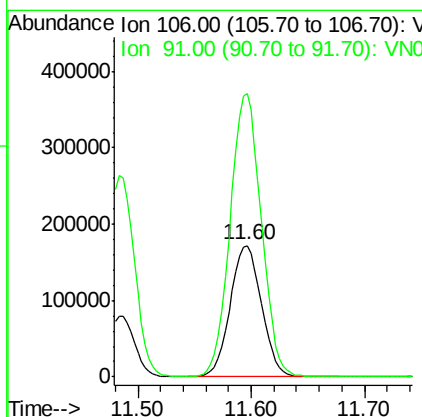
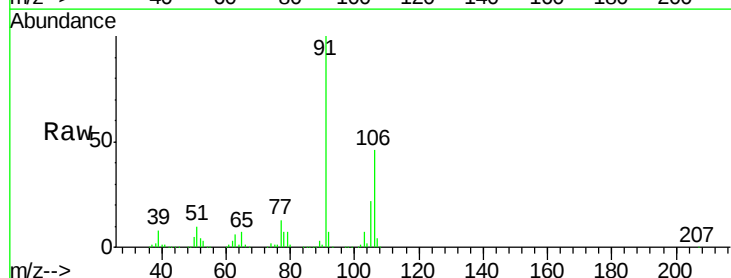
Manual Integrations
APPROVED

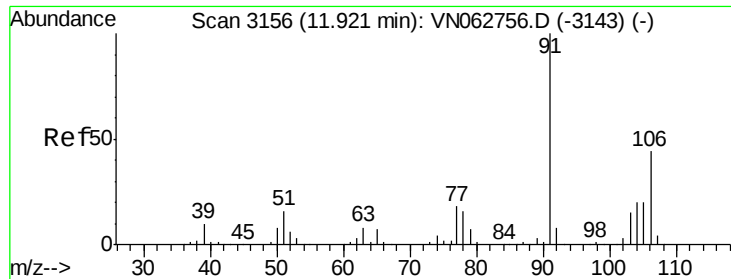
MMDadoda
8/17/2020 11:43:53 AM



#68
m/p-Xylenes
Concen: 99.238 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
106	100		
91	215.2	175.9	263.9





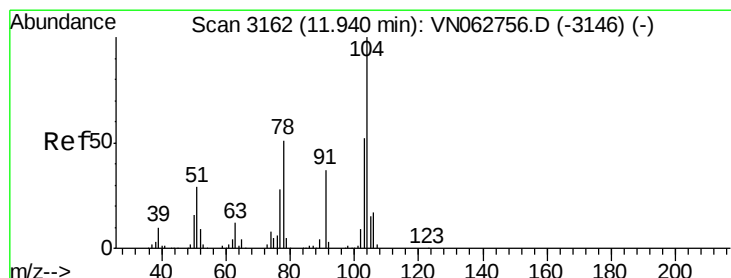
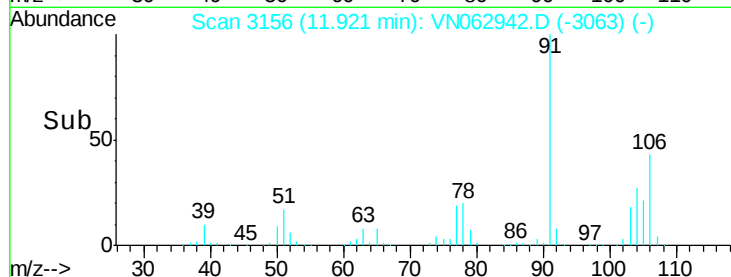
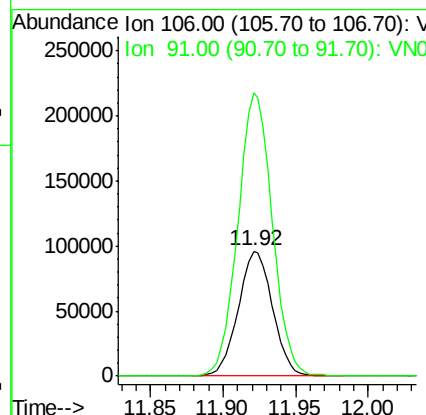
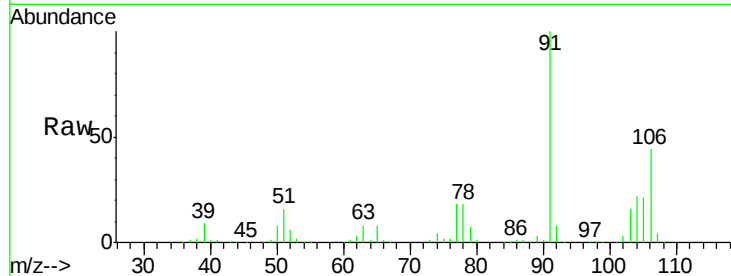
#69
o-Xylene
Concen: 50.784 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 158228
Ion Ratio Lower Upper
106 100
91 227.2 115.8 347.4

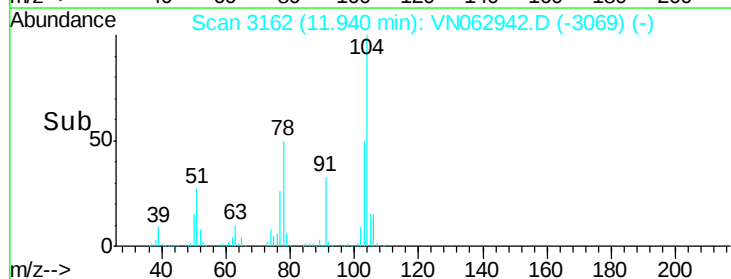
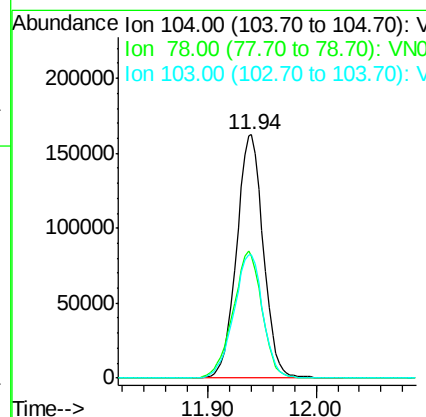
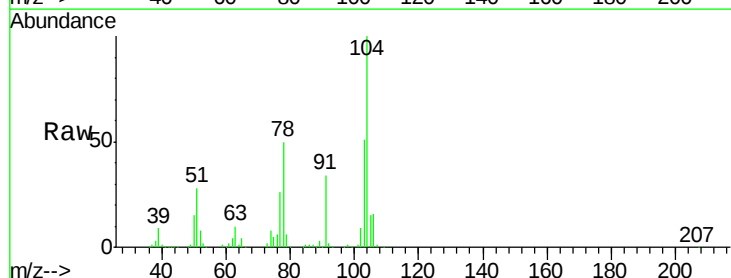
Manual Integrations
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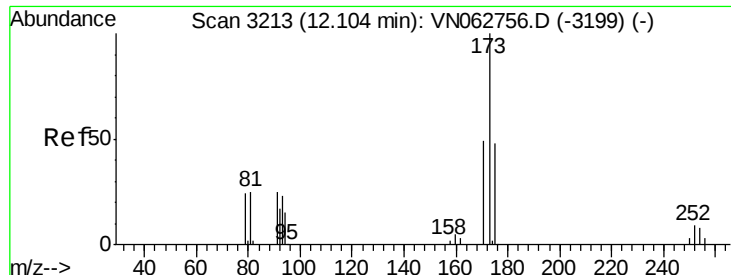
MMDadoda
8/17/2020 11:43:53 AM



#70
Styrene
Concen: 51.267 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion:104 Resp: 280772
Ion Ratio Lower Upper
104 100
78 56.4 45.9 68.9
103 55.6 45.1 67.7





#71

Bromoform

Concen: 48.361 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 81327

Ion Ratio Lower Upper

173 100

175 48.8 24.0 72.0

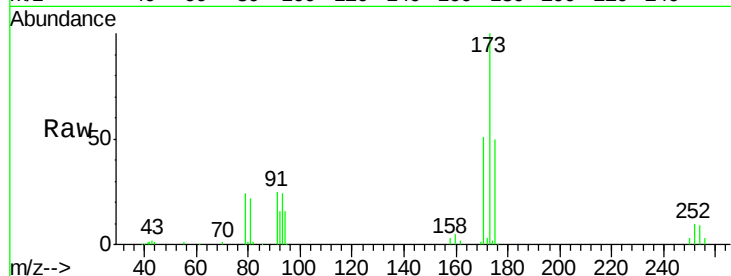
254 0.0 0.0 0.0

Manual Integrations

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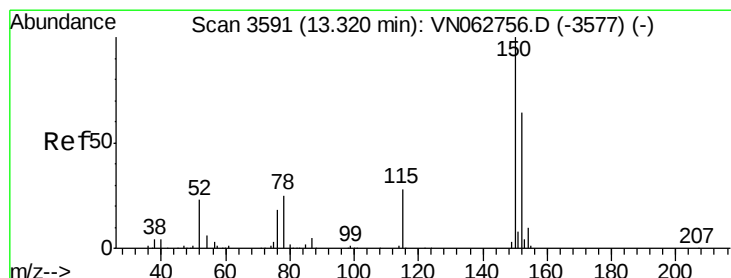
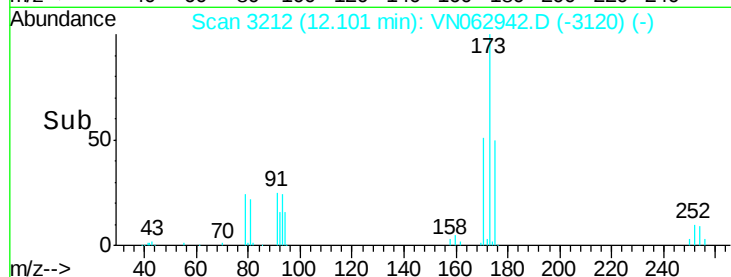
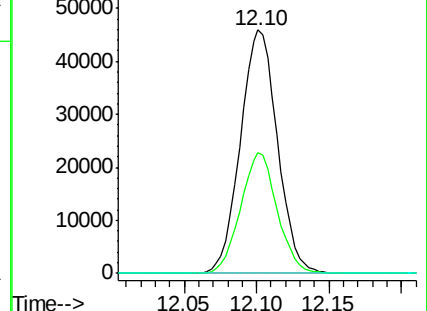
8/17/2020 11:43:53 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

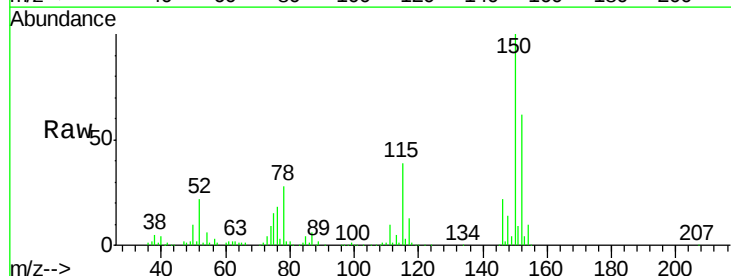
Tgt Ion:152 Resp: 121793

Ion Ratio Lower Upper

152 100

115 63.9 31.6 94.8

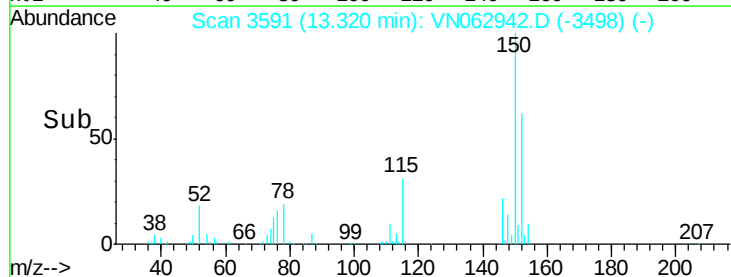
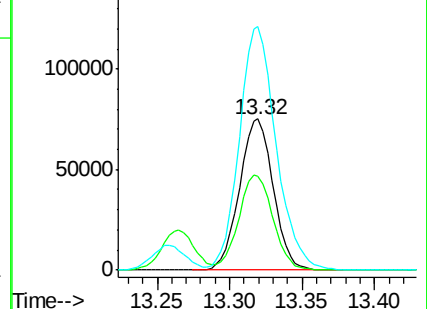
150 174.6 0.0 349.2

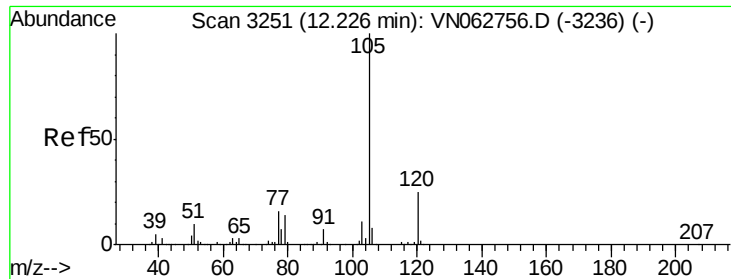


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





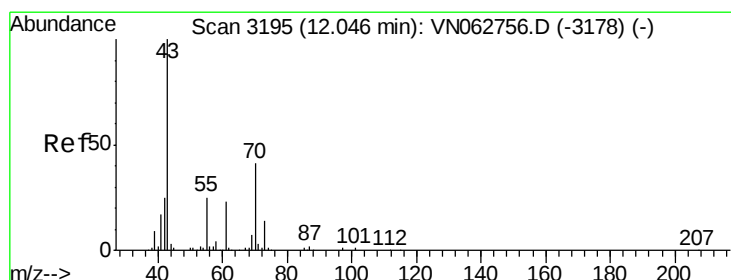
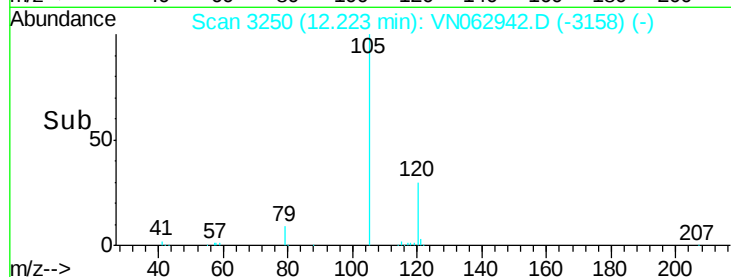
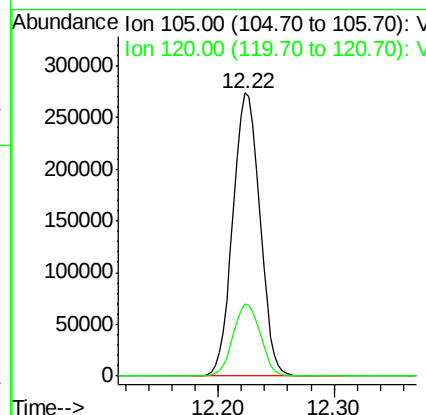
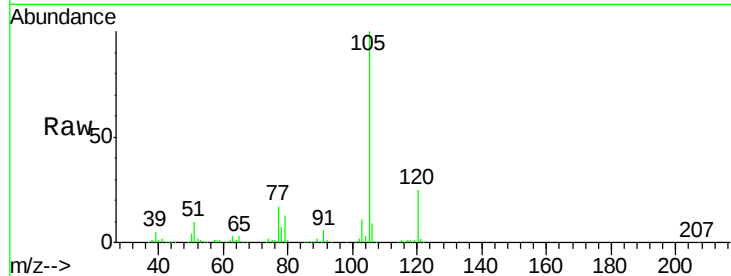
#73
Isopropylbenzene
Concen: 48.144 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.6	37.8

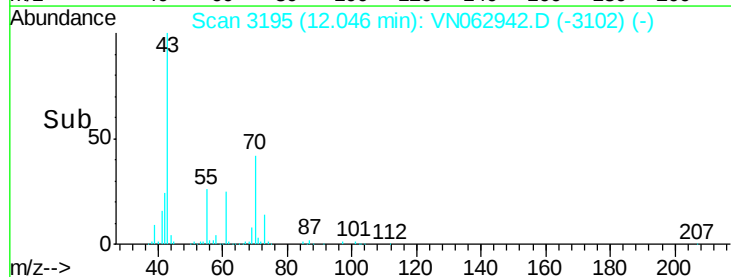
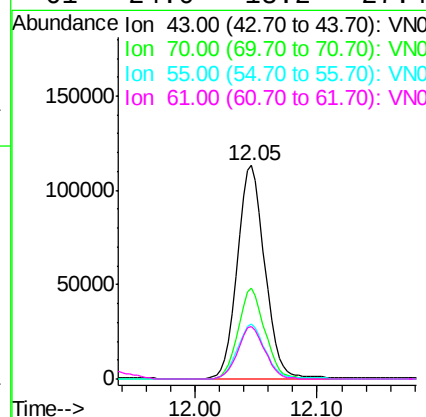
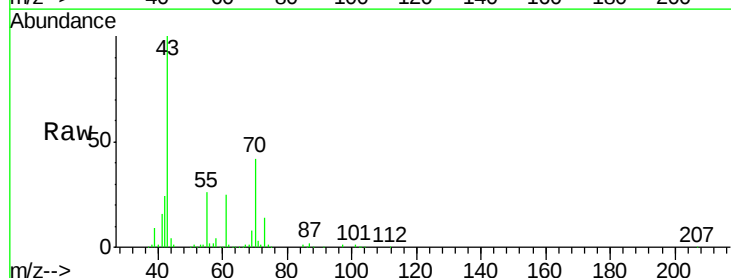
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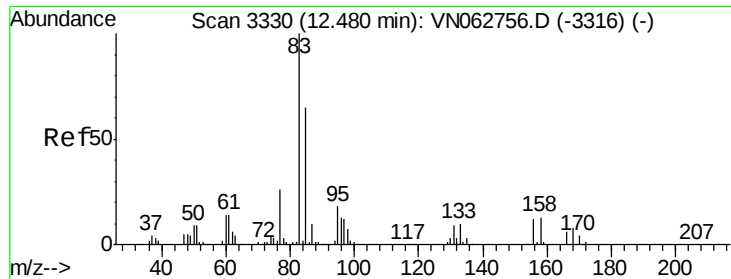
MMDadoda
8/17/2020 11:43:53 AM



#74
N-ethyl acetate
Concen: 48.012 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.4	32.3	48.5
55	26.1	20.2	30.2
61	24.0	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 45.914 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

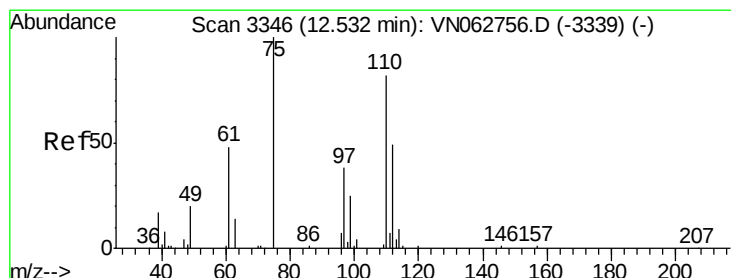
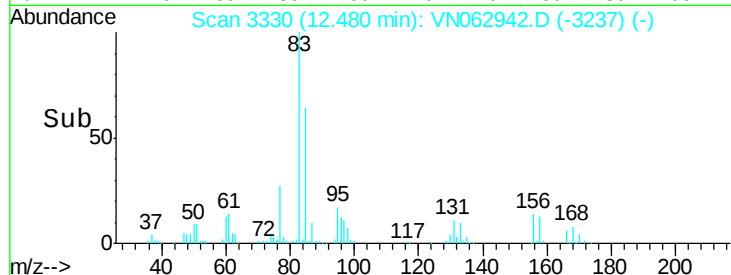
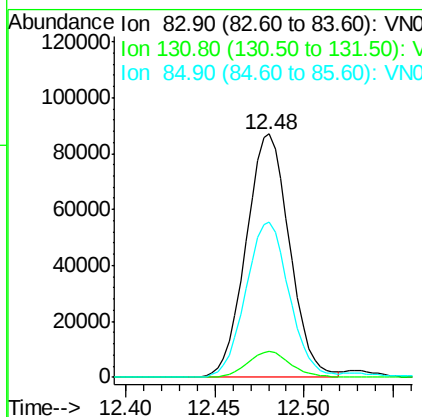
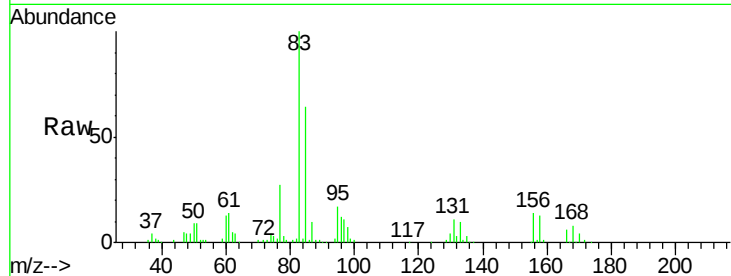
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	148230
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.4
85	63.7	31.9	95.9

Manual Integrations
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8/17/2020 11:43:53 AM



#76

1,2,3-Trichloropropane

Concen: 40.908 ug/l m

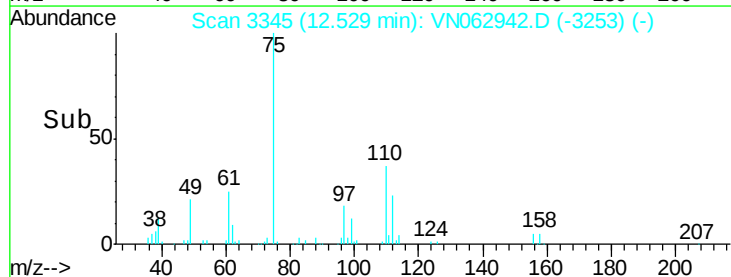
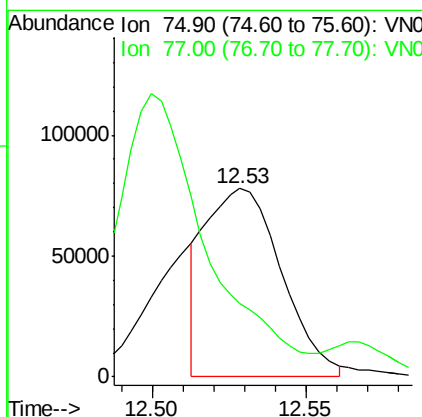
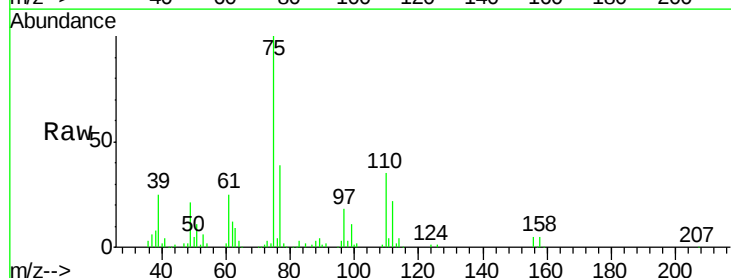
RT: 12.53 min Scan# 3345

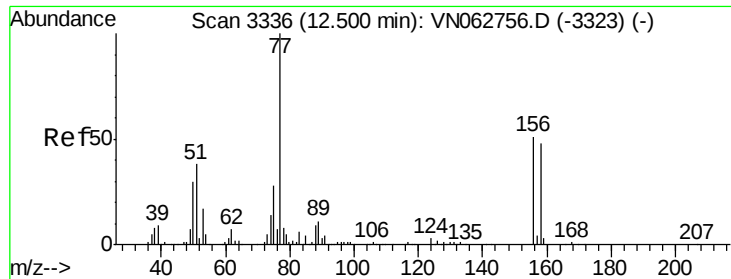
Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Tgt Ion:	75	Resp:	134368
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.889 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

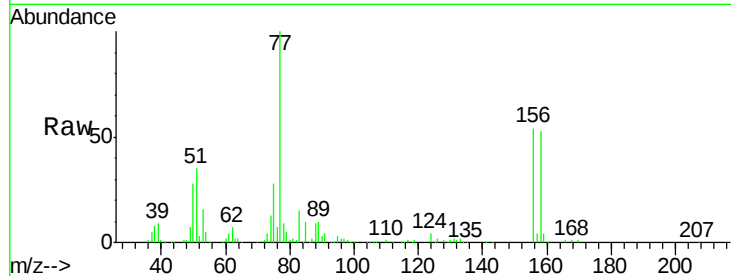
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.7	119.7	359.1
158	96.4	48.1	144.3

Manual Integrations
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8/17/2020 11:43:53 AM

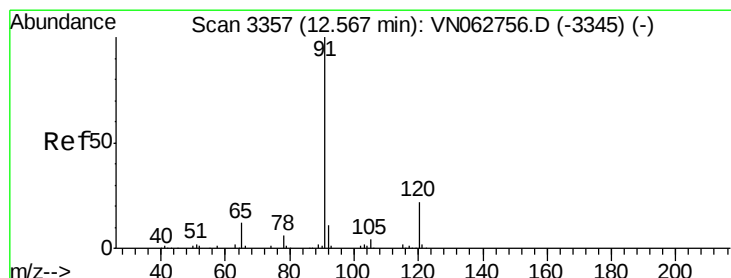
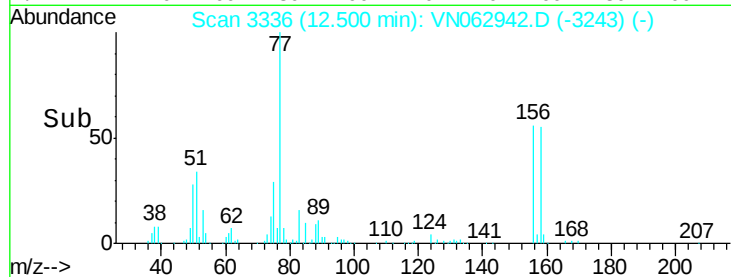
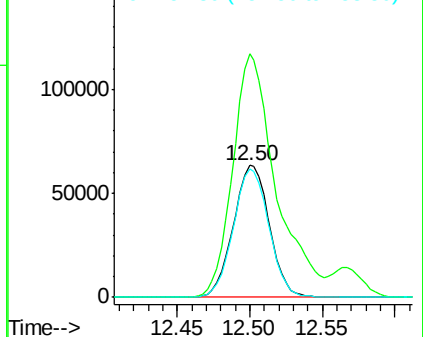


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.974 ug/l

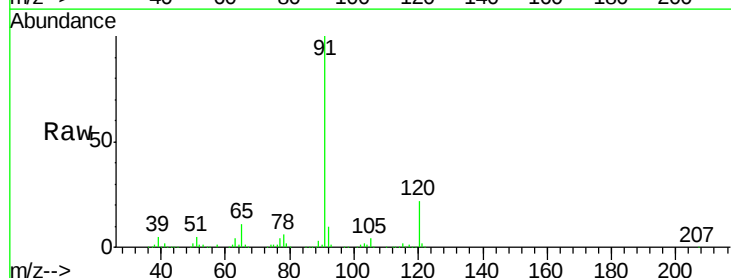
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

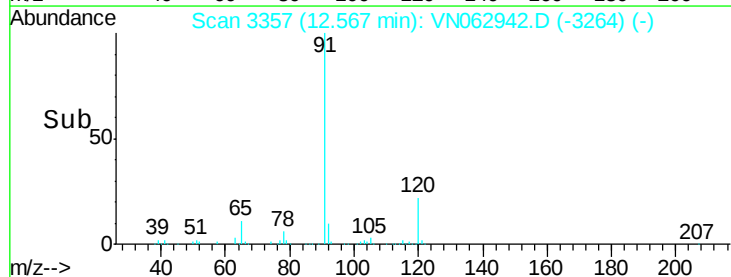
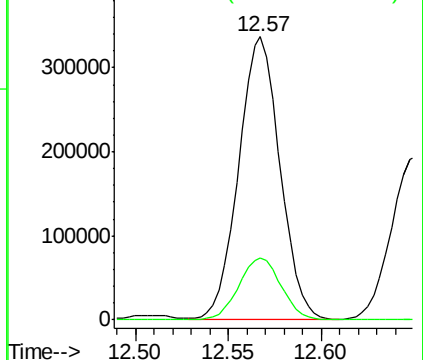
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	10.9	32.9

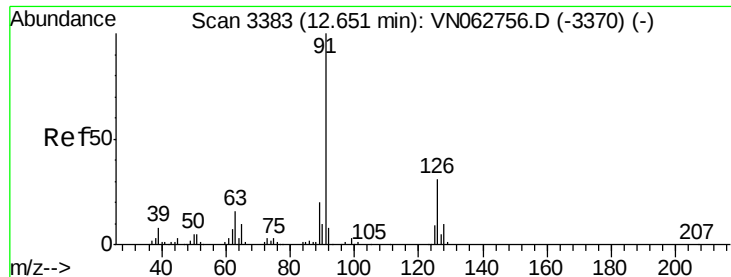


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





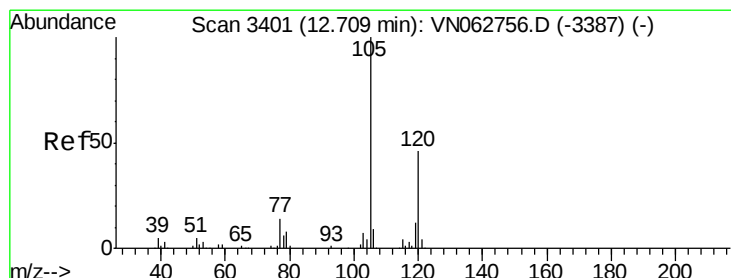
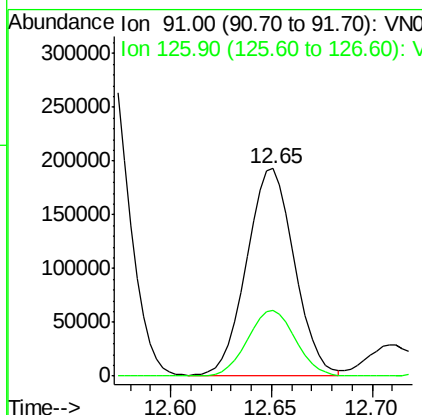
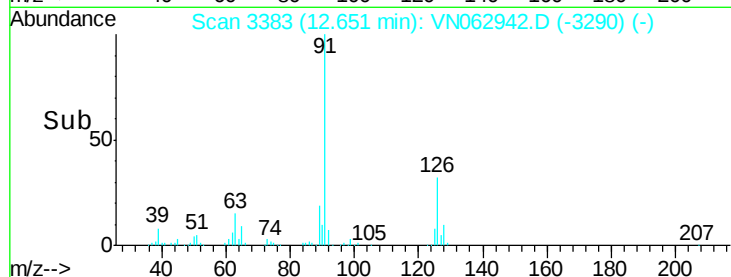
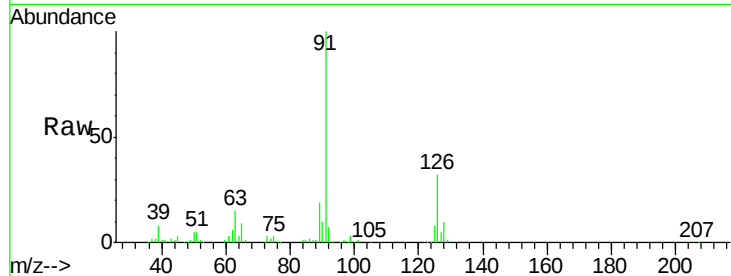
#79
 2-Chlorotoluene
 Concen: 47.021 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 317431
 Ion Ratio Lower Upper
 91 100
 126 32.3 15.6 46.7

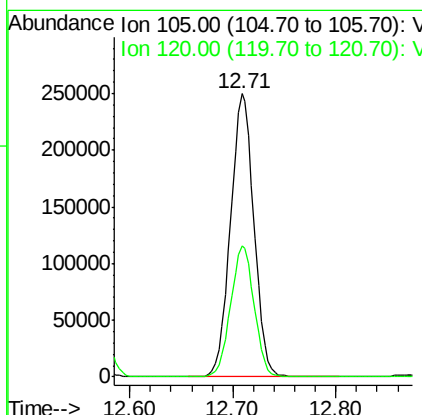
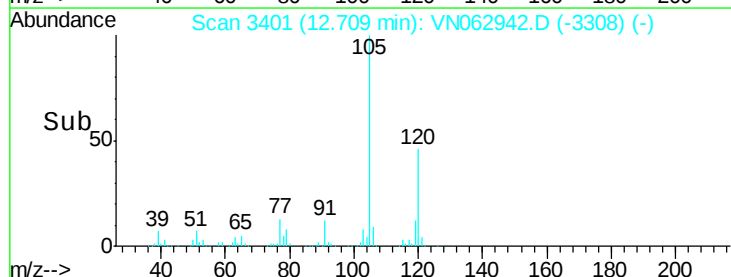
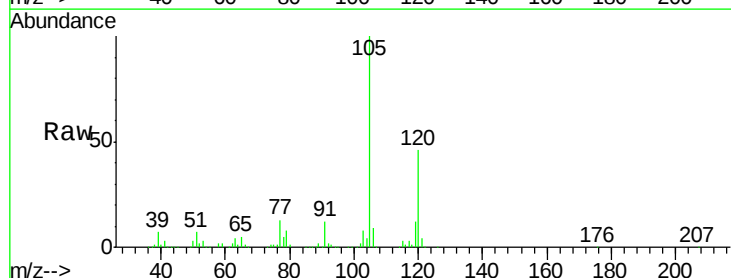
Manual Integrations
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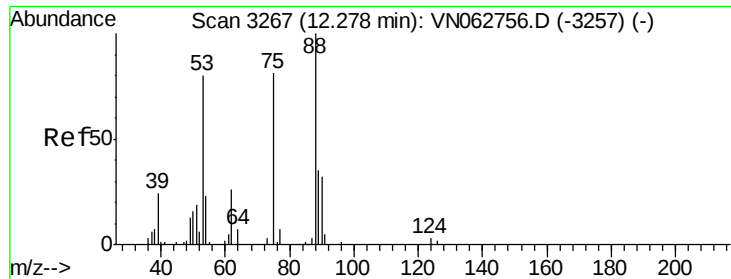
MMDadoda
 8/17/2020 11:43:53 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.757 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Tgt Ion: 105 Resp: 395877
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 46.865 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

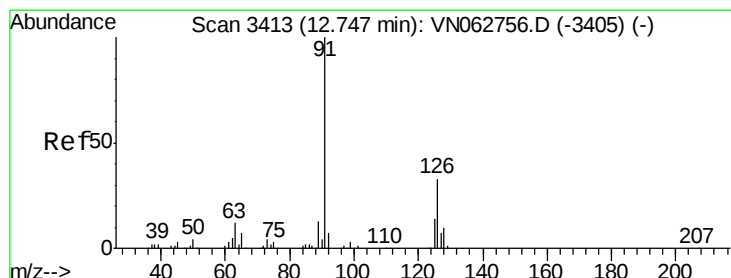
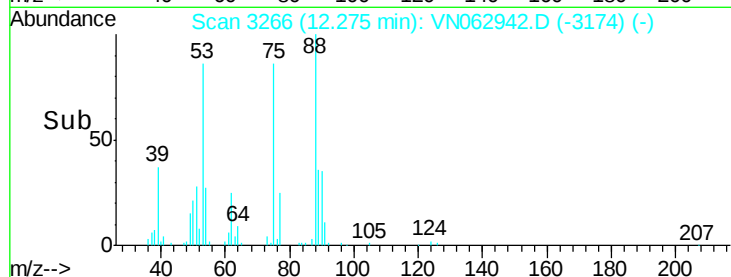
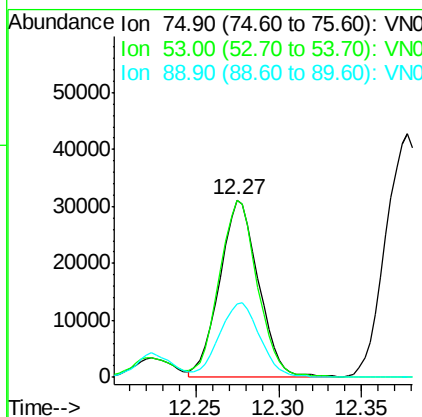
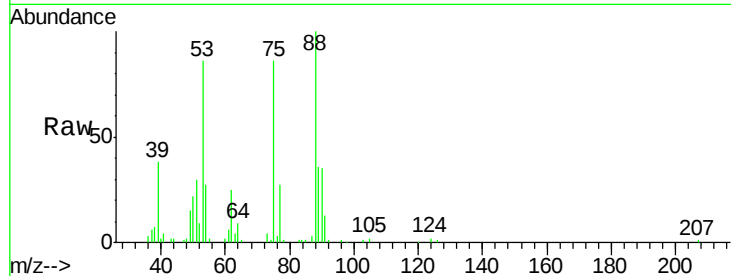
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	50425
Ion	Ratio	Lower	Upper
75	100		
53	99.3	79.1	118.7
89	44.4	36.2	54.2

Manual Integrations
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8/17/2020 11:43:53 AM



#82

4-Chlorotoluene

Concen: 48.344 ug/l

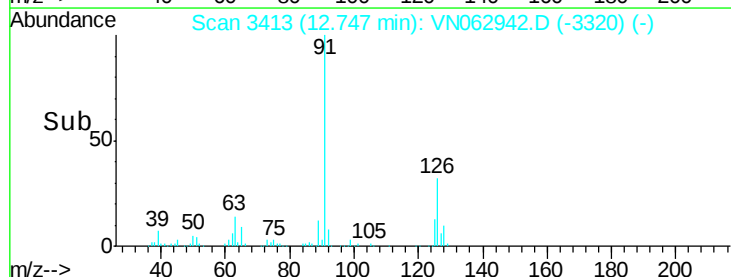
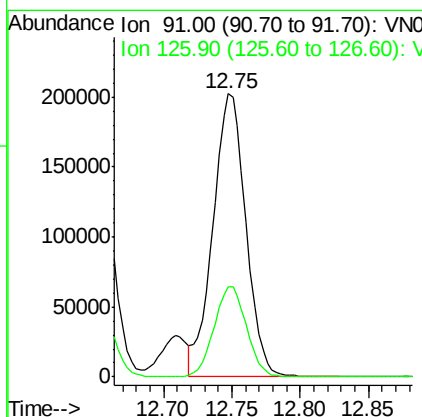
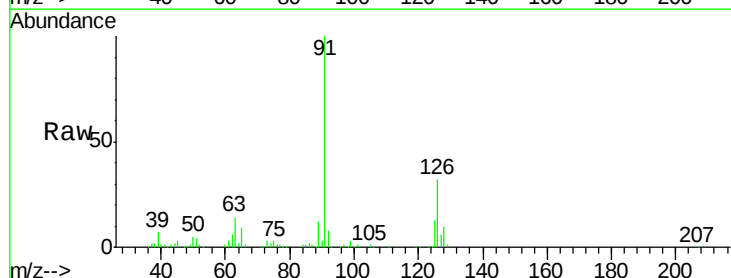
RT: 12.75 min Scan# 3413

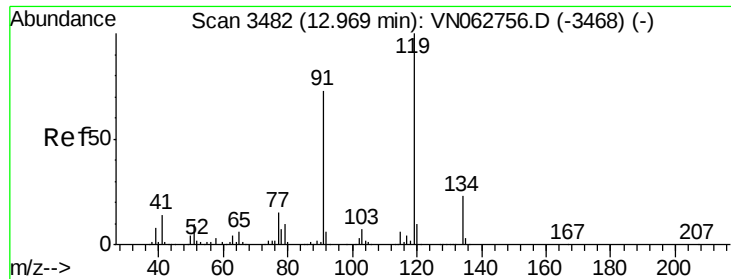
Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Tgt Ion:	91	Resp:	336325
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.3	45.9





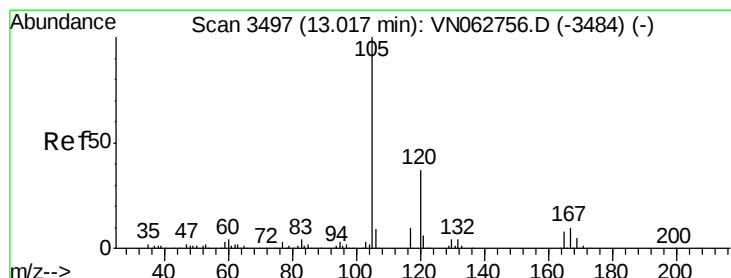
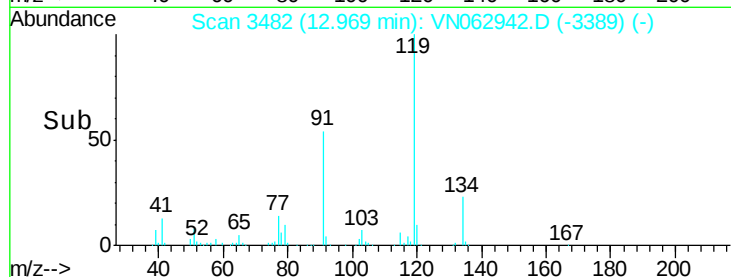
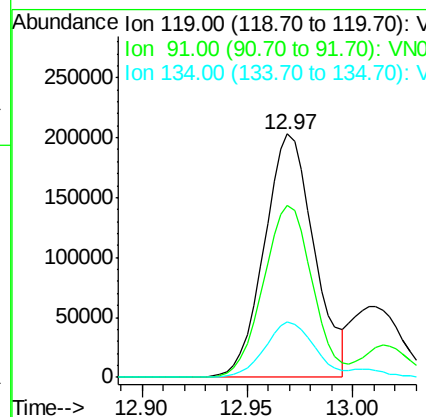
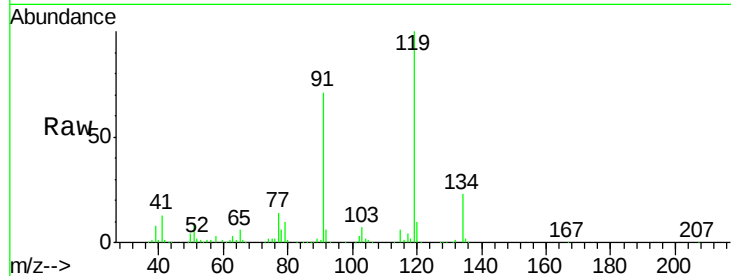
#83
 tert-Butylbenzene
 Concen: 49.556 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.9	36.5	109.5
134	22.8	11.3	33.8

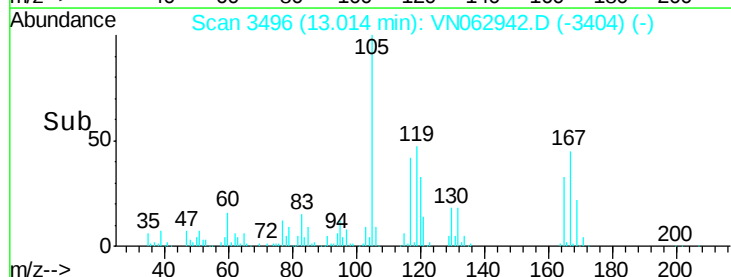
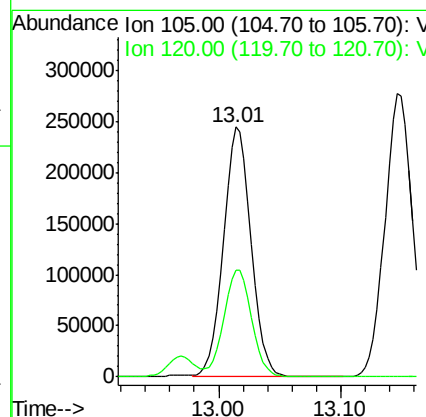
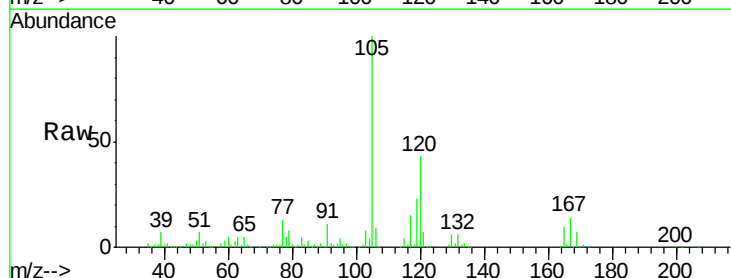
Manual Integrations
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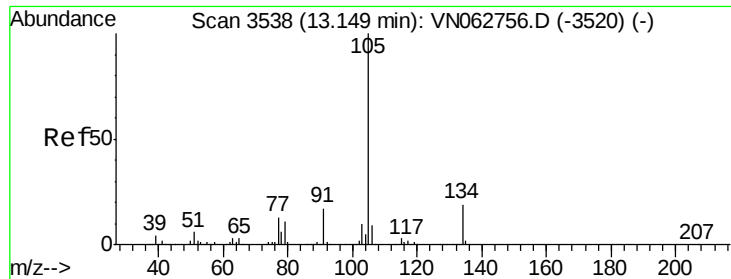
MMDadoda
 8/17/2020 11:43:53 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.861 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.4	64.2





#85

sec-Butylbenzene

Concen: 49.276 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 435645

Ion Ratio Lower Upper

105 100

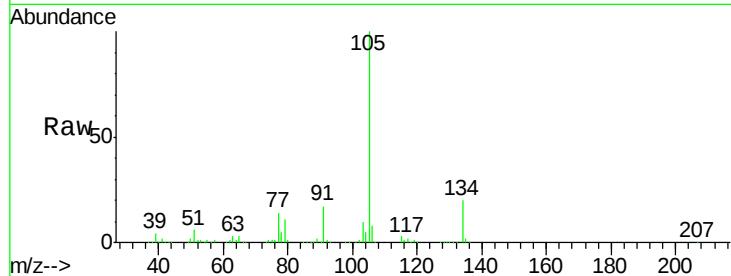
134 19.5 9.6 28.6

Manual Integrations

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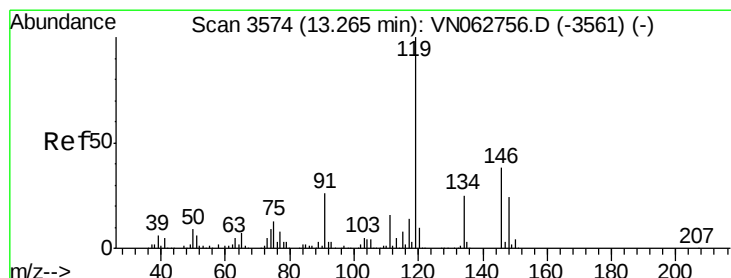
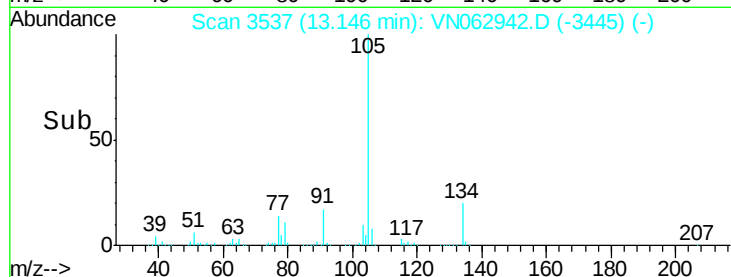
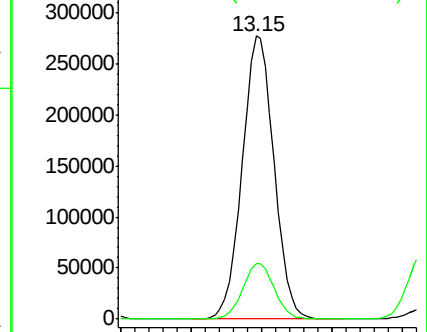
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.165 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062942.D

Acq: 14 Aug 2020 18:30

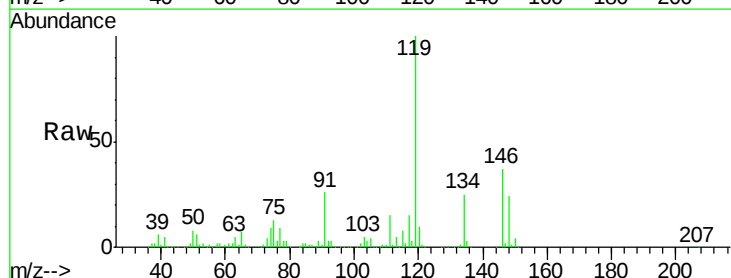
Tgt Ion:119 Resp: 393667

Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

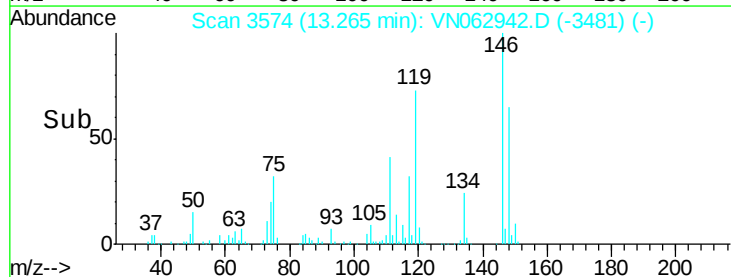
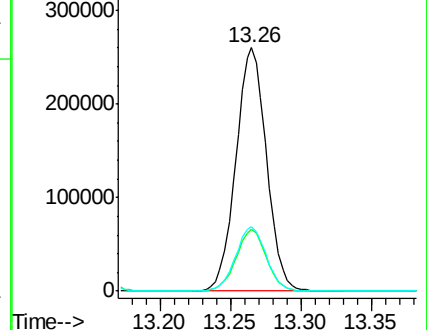
91 26.3 13.4 40.2

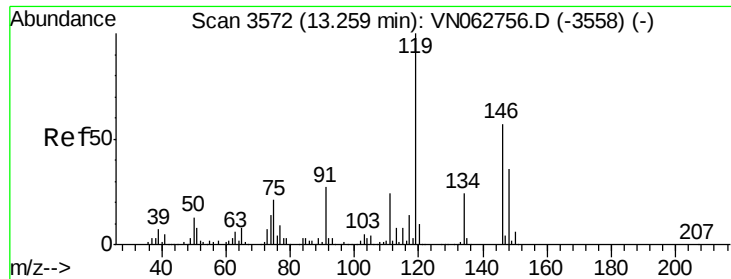


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





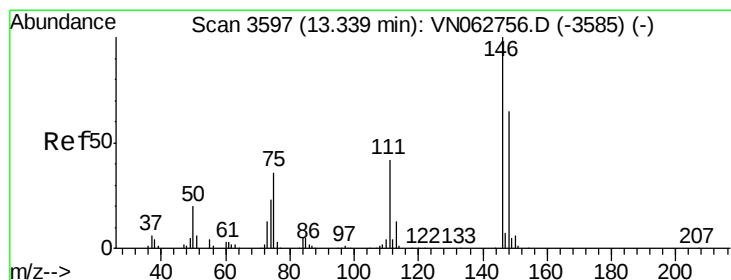
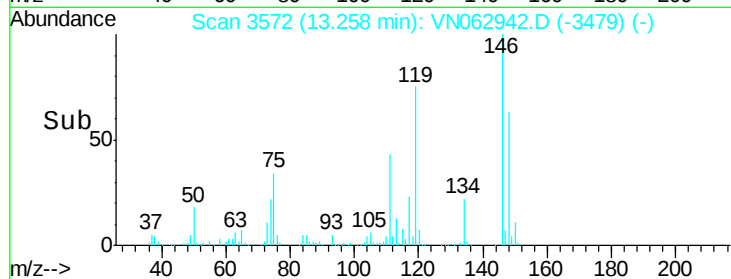
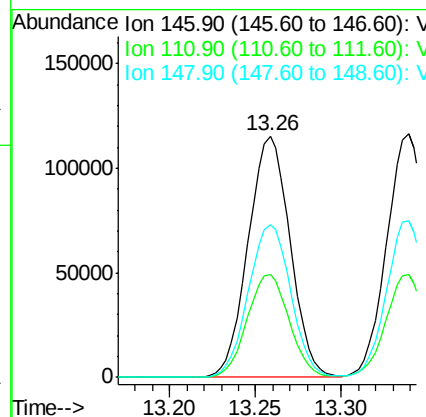
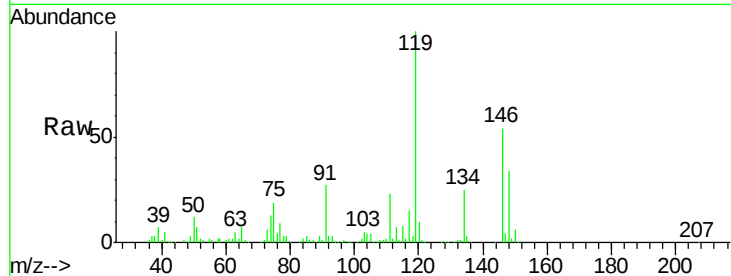
#87
 1,3-Dichlorobenzene
 Concen: 47.987 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.7	65.1
148	64.0	31.4	94.2

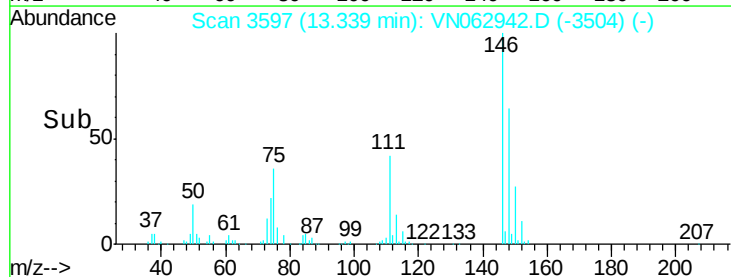
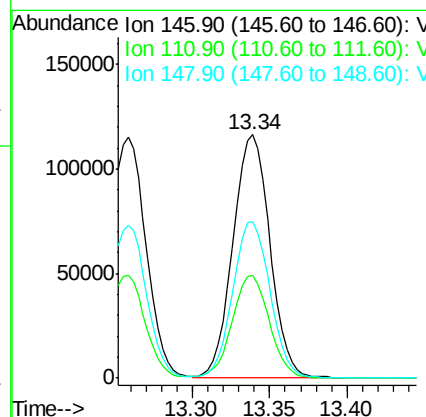
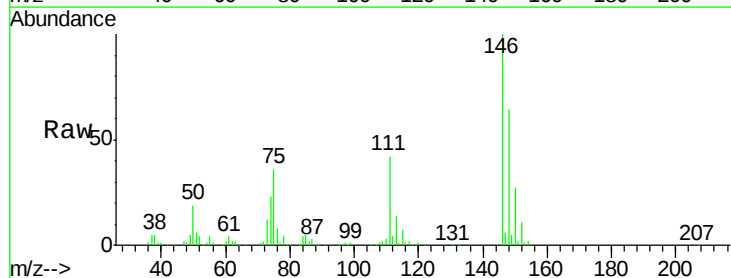
Manual Integrations
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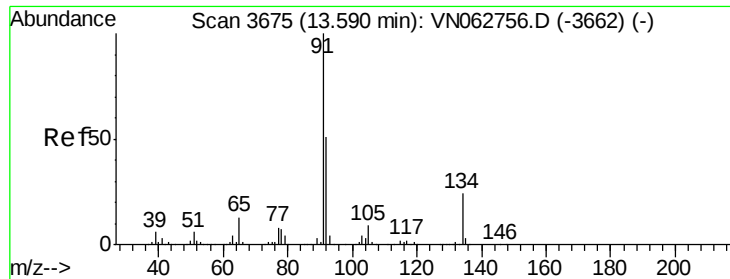
MMDadoda
 8/17/2020 11:43:53 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.225 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.6	64.6
148	64.4	32.6	97.8





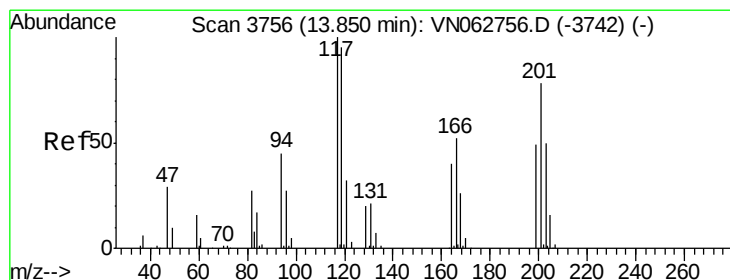
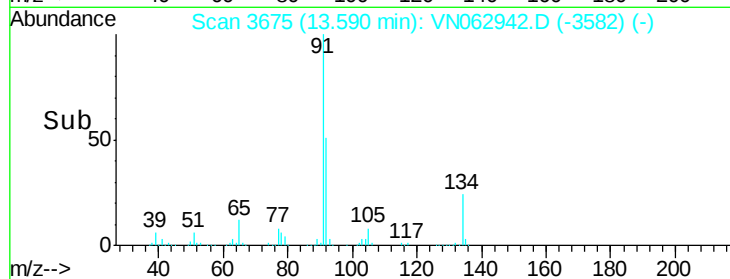
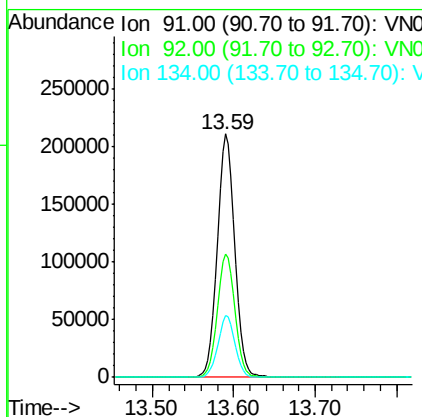
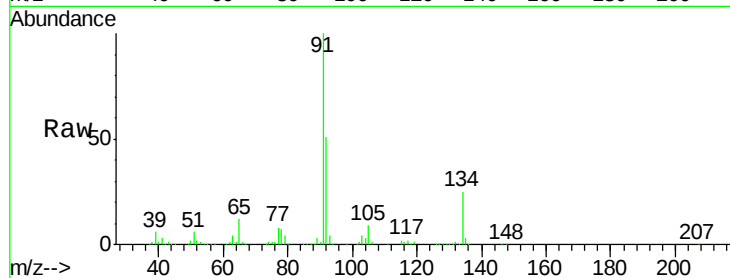
#89
n-Butylbenzene
Concen: 48.566 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.7	77.0
134	24.7	12.2	36.6

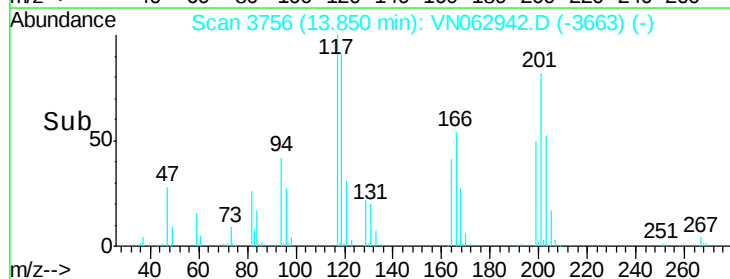
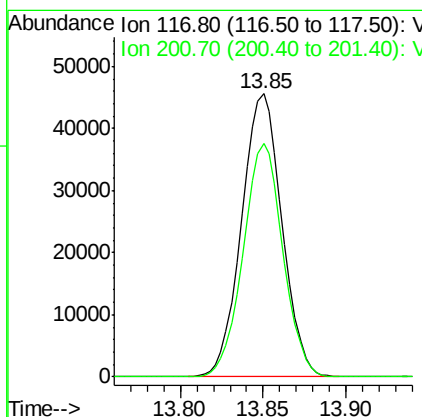
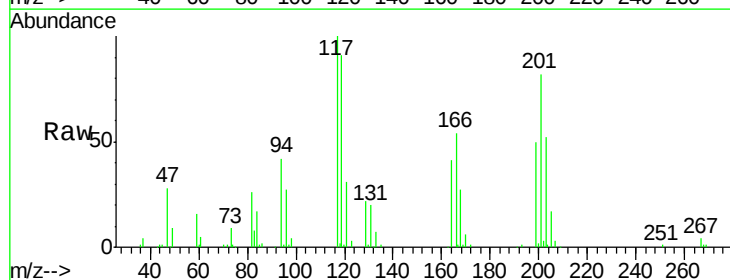
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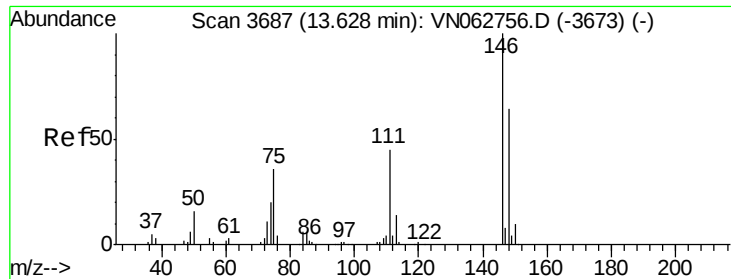
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8/17/2020 11:43:53 AM



#90
Hexachloroethane
Concen: 45.607 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.0	39.2	117.6





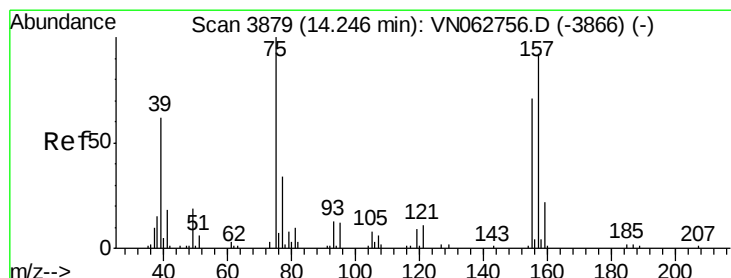
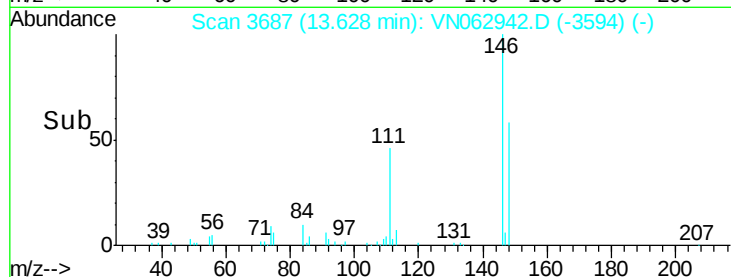
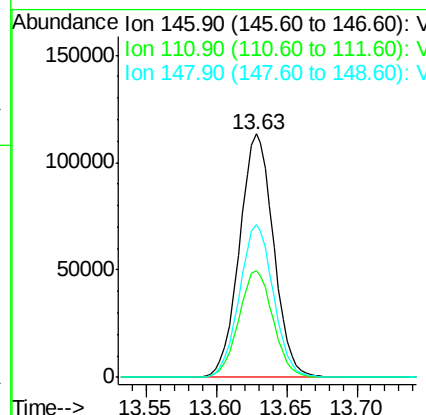
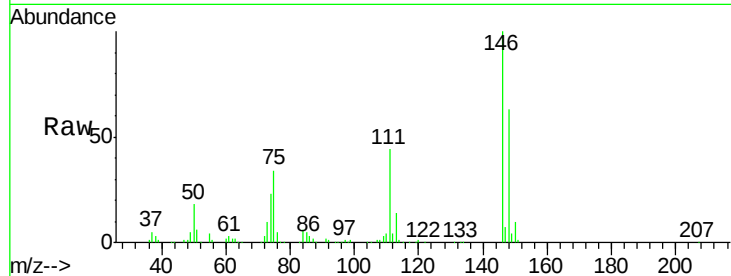
#91
 1,2-Dichlorobenzene
 Concen: 50.324 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.8	68.4
148	62.7	31.9	95.5

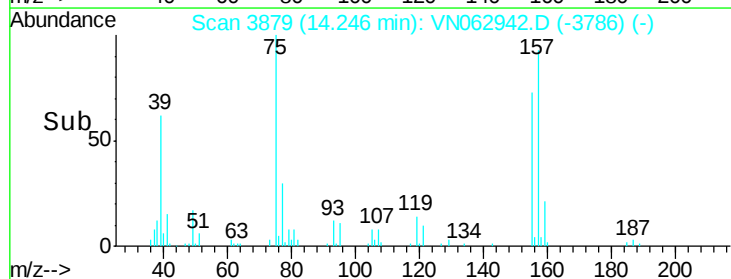
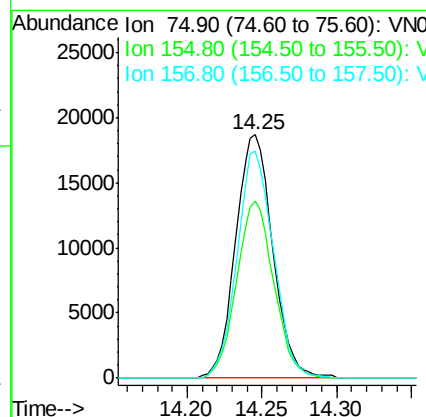
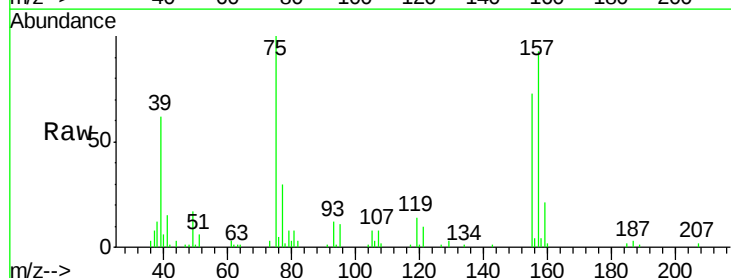
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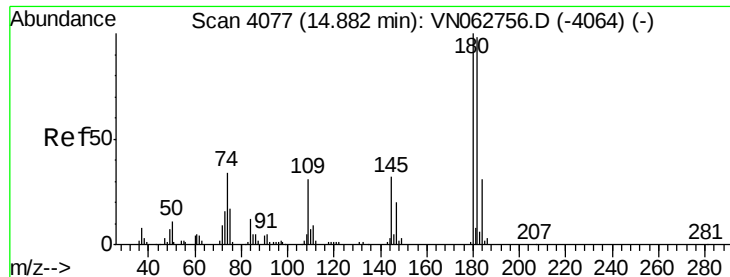
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 8/17/2020 11:43:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.699 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.6	35.0	105.1
157	91.2	43.2	129.6





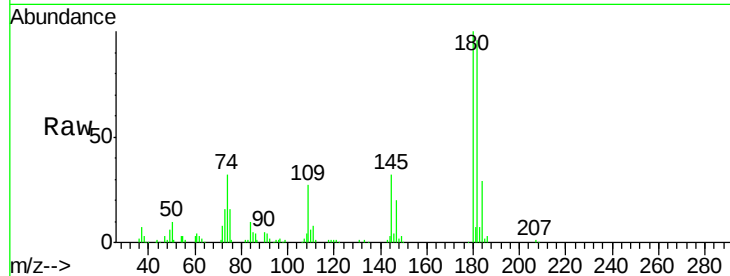
#93
 1,2,4-Trichlorobenzene
 Concen: 55.811 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

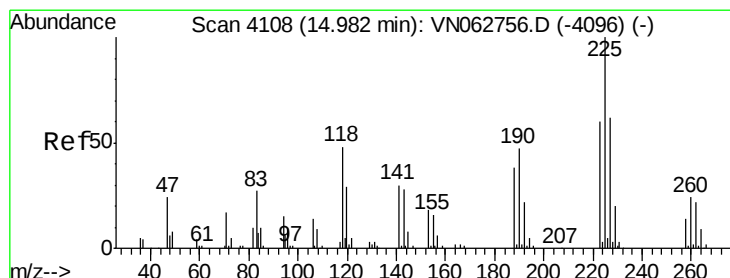
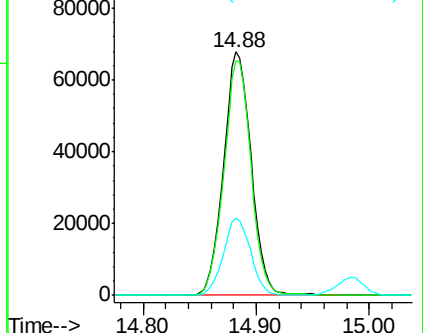
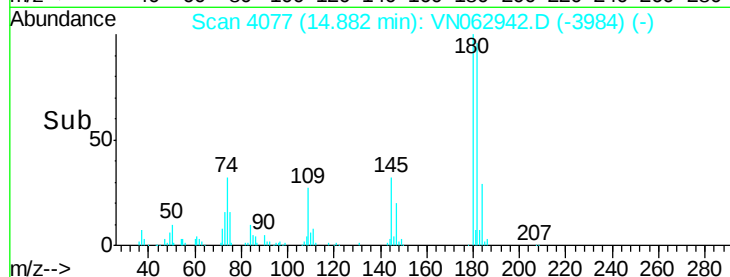
Tot Ion	Ratio	Resp	Lower	Upper
180	100	115243		
182	94.8	49.1	147.4	
145	31.4	16.3	48.8	

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 8/17/2020 11:43:53 AM

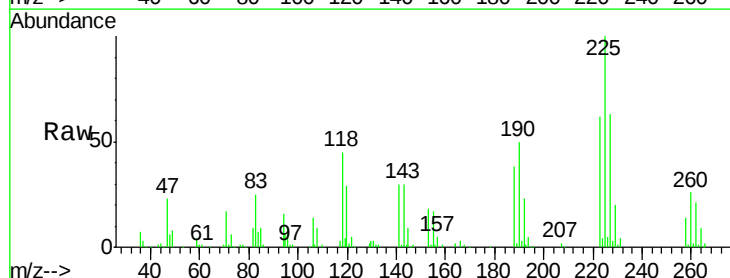


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

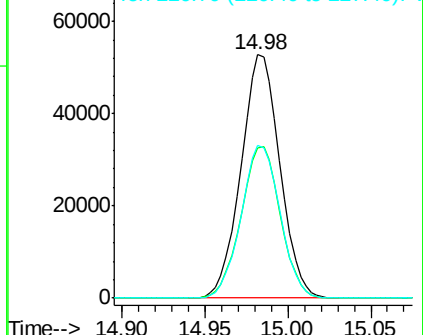
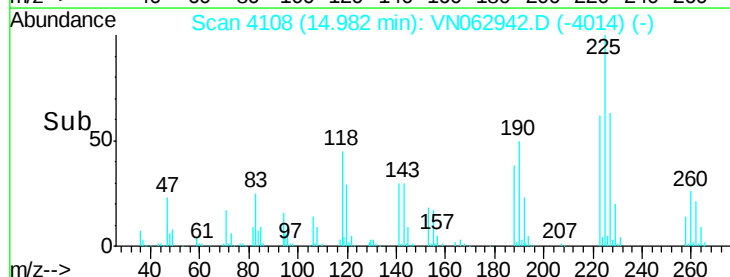


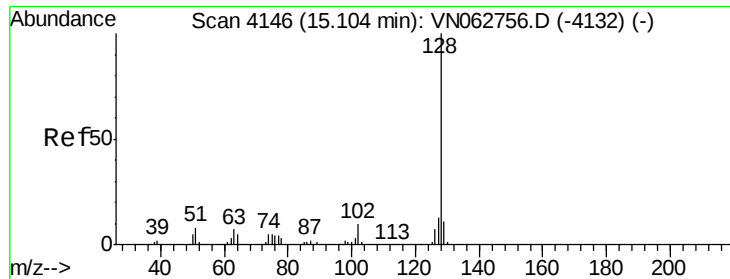
#94
 Hexachlorobutadiene
 Concen: 72.187 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062942.D
 Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85889		
223	62.6	30.6	92.0	
227	62.9	31.6	95.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





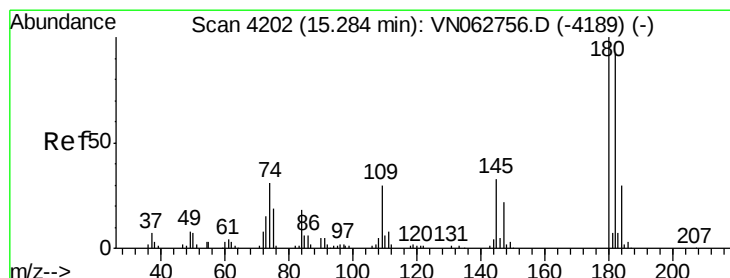
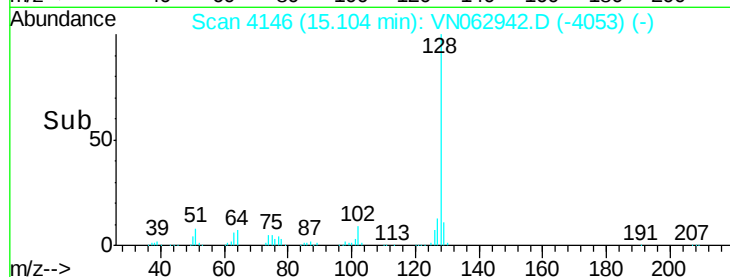
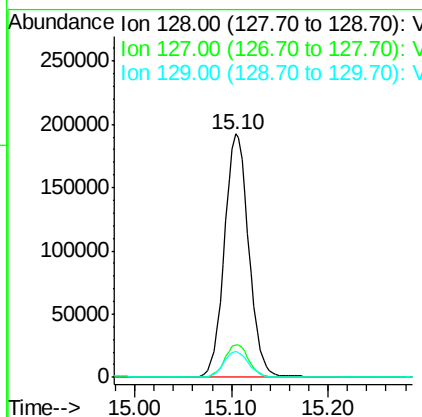
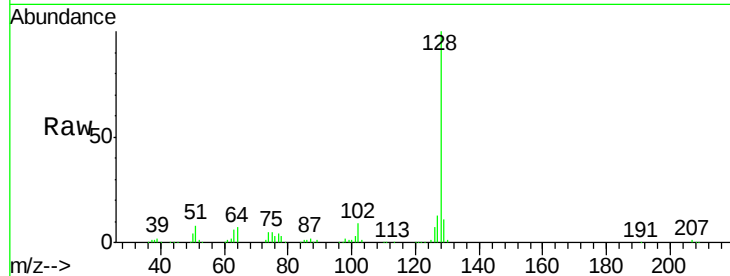
#95
Naphthalene
Concen: 59.417 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	10.8	8.8	13.2

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8/17/2020 11:43:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 64.110 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062942.D
Acq: 14 Aug 2020 18:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.6
145	32.5	17.3	51.7

