

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062700.D
 Acq On : 31 Jul 2020 21:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 9:32:18 AM

Quant Time: Aug 01 06:18:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	145054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	234207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	229897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	111801	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	122855	54.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.04%	
35) Dibromofluoromethane	7.55	113	81094	52.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.42%	
50) Toluene-d8	10.06	98	318739	51.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.38	95	127745	56.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	80951	46.786	ug/l	99
3) Chloromethane	2.03	50	92245	39.308	ug/l	96
4) Vinyl Chloride	2.16	62	84046	41.313	ug/l	99
5) Bromomethane	2.49	94	50222	55.737	ug/l	95
6) Chloroethane	2.64	64	49490	53.780	ug/l	99
7) Trichlorofluoromethane	2.97	101	136997	57.355	ug/l	96
8) Diethyl Ether	3.37	74	52436	46.945	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	75674	49.414	ug/l	98
10) Methyl Iodide	3.91	142	100047	51.100	ug/l	93
11) Tert butyl alcohol	4.74	59	84358	235.333	ug/l	99
12) 1,1-Dichloroethene	3.69	96	73238	47.154	ug/l	98
13) Acrolein	3.56	56	66720	180.892	ug/l	99
14) Allyl chloride	4.27	41	144354	42.967	ug/l	94
15) Acrylonitrile	4.93	53	229450	238.978	ug/l	99
16) Acetone	3.77	43	190312	224.438	ug/l	100
17) Carbon Disulfide	4.00	76	209325	41.019	ug/l	100
18) Methyl Acetate	4.28	43	110783	51.607	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	290415	50.802	ug/l	99
20) Methylene Chloride	4.50	84	92388	45.428	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	77822	45.145	ug/l	98
22) Diisopropyl ether	5.90	45	299346	44.825	ug/l	95
23) Vinyl Acetate	5.84	43	1262081	230.648	ug/l	99
24) 1,1-Dichloroethane	5.79	63	170440	47.396	ug/l	99
25) 2-Butanone	6.79	43	302518	234.255	ug/l	98
26) 2,2-Dichloropropane	6.77	77	135893	46.033	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	91349	46.440	ug/l	99
28) Bromochloromethane	7.15	49	79775	45.077	ug/l	93
29) Tetrahydrofuran	7.17	42	202198	231.391	ug/l	95
30) Chloroform	7.33	83	173524	50.750	ug/l	99
31) Cyclohexane	7.61	56	140530	42.325	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	155287	54.397	ug/l	99
36) 1,1-Dichloropropene	7.75	75	123513	49.476	ug/l	99
37) Ethyl Acetate	6.88	43	126269	46.923	ug/l	100
38) Carbon Tetrachloride	7.73	117	136877	57.042	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	134137	49.916	ug/l	99
40) Benzene	8.00	78	357423	47.292	ug/l	99
41) Methacrylonitrile	7.14	41	63378m	54.953	ug/l	
42) 1,2-Dichloroethane	8.08	62	152340	55.135	ug/l	99
43) Isopropyl Acetate	8.13	43	216018	49.796	ug/l #	90
44) Trichloroethene	8.80	130	85542	50.190	ug/l	97
45) 1,2-Dichloropropane	9.08	63	99557	46.917	ug/l	99
46) Dibromomethane	9.17	93	64646	52.710	ug/l	98
47) Bromodichloromethane	9.37	83	140850	53.010	ug/l	99
48) Methyl methacrylate	9.17	41	106164	51.482	ug/l	97
49) 1,4-Dioxane	9.17	88	30662	968.095	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	679657	261.846	ug/l	99
52) Toluene	10.12	92	225879	51.470	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	157336	53.192	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	160346	50.520	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	89449	52.547	ug/l	99
56) Ethyl methacrylate	10.40	69	150067	49.128	ug/l	97
57) 1,3-Dichloropropane	10.68	76	161598	51.818	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	231828	251.557	ug/l	97
59) 2-Hexanone	10.72	43	501417	249.789	ug/l	99
60) Dibromochloromethane	10.87	129	106039	55.838	ug/l	98
61) 1,2-Dibromoethane	10.98	107	92113	51.966	ug/l	98
64) Tetrachloroethene	10.60	164	73500	49.207	ug/l	98
65) Chlorobenzene	11.41	112	240657	49.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	95011	52.402	ug/l	97
67) Ethyl Benzene	11.48	91	445285	50.389	ug/l	100
68) m/p-Xylenes	11.60	106	330687	104.113	ug/l	97
69) o-Xylene	11.92	106	157900	52.352	ug/l	97
70) Styrene	11.94	104	283791	55.700	ug/l	99
71) Bromoform	12.10	173	75156	55.207	ug/l #	100
73) Isopropylbenzene	12.22	105	443390	50.156	ug/l	99
74) N-amyl acetate	12.05	43	193465	49.004	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	141628	46.103	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	139549m	49.038	ug/l	
77) Bromobenzene	12.50	156	105761	49.782	ug/l	93
78) n-propylbenzene	12.57	91	524544	50.655	ug/l	100
79) 2-Chlorotoluene	12.65	91	318364	49.887	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	396599	54.085	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	49124	48.054	ug/l	95
82) 4-Chlorotoluene	12.75	91	326425	49.142	ug/l	99
83) tert-Butylbenzene	12.97	119	329185	54.062	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	388852	54.055	ug/l	98
85) sec-Butylbenzene	13.15	105	439666	53.934	ug/l	99
86) p-Isopropyltoluene	13.26	119	385522	54.986	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	188803	50.643	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	184908	50.384	ug/l	98
89) n-Butylbenzene	13.59	91	312124	51.811	ug/l	100
90) Hexachloroethane	13.85	117	75740	50.745	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	181011	50.777	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	30898	55.398	ug/l	97

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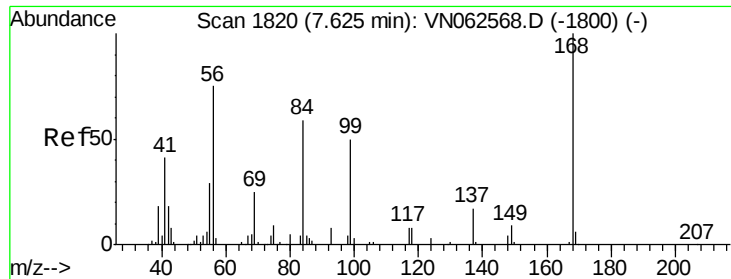
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	85908	46.092	ug/l	98
94) Hexachlorobutadiene	14.98	225	59238	61.526	ug/l	99
95) Naphthalene	15.10	128	220473	44.769	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	86325	51.385	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

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Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 145054

Ion Ratio Lower Upper

168 100

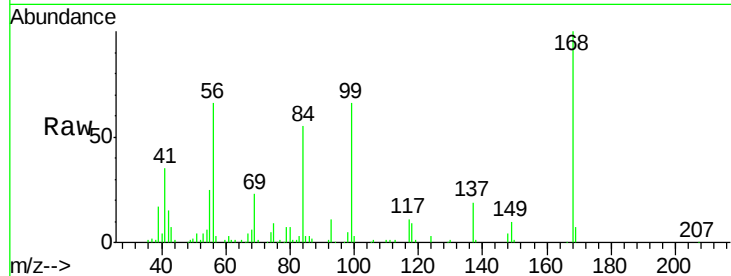
99 65.6 48.4 72.6

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

60000

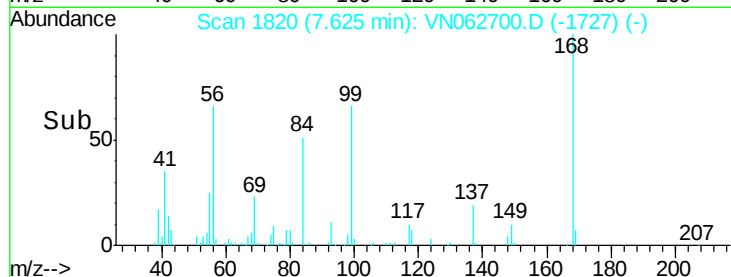
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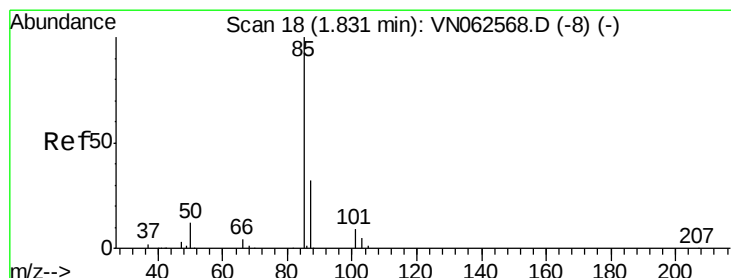
0

7.50 7.60 7.70

7.63



Time-->



#2

Dichlorodifluoromethane

Concen: 46.786 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062700.D

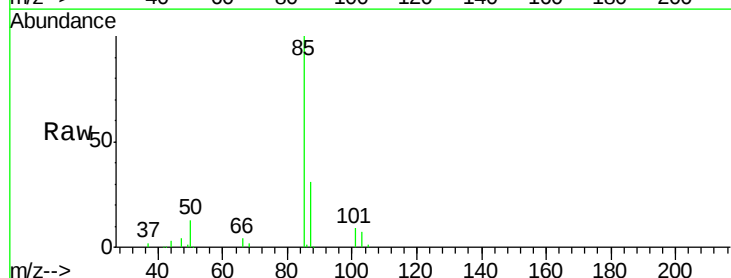
Acq: 31 Jul 2020 21:33

Tgt Ion: 85 Resp: 80951

Ion Ratio Lower Upper

85 100

87 31.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

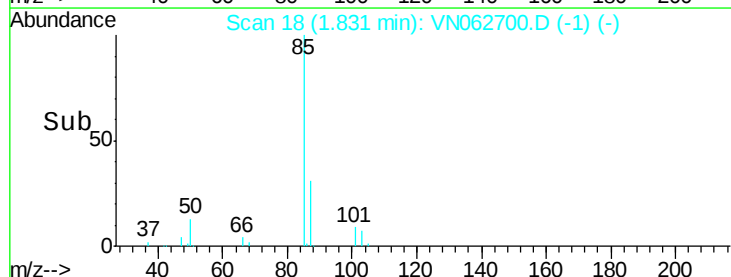
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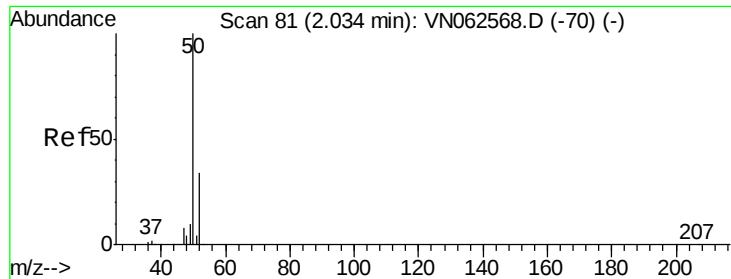
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1.75 1.80 1.85 1.90

1.83



Time-->



#3

Chloromethane

Concen: 39.308 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 92245

Ion Ratio Lower Upper

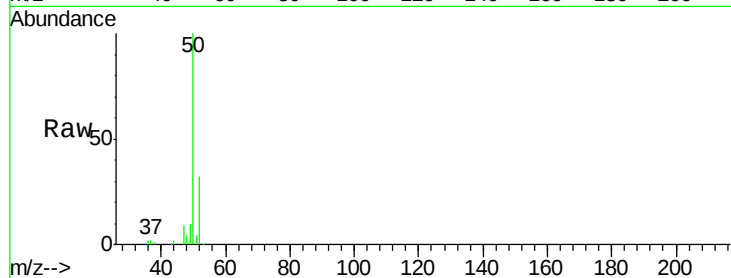
50 100

52 31.6 27.0 40.4

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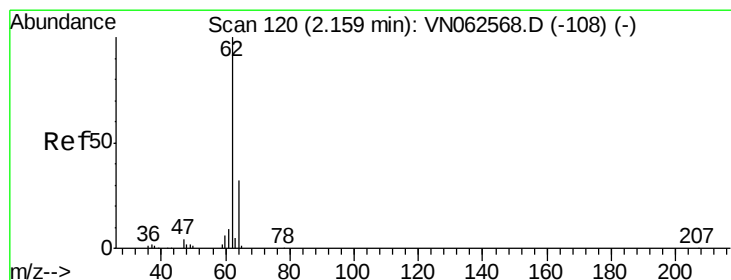
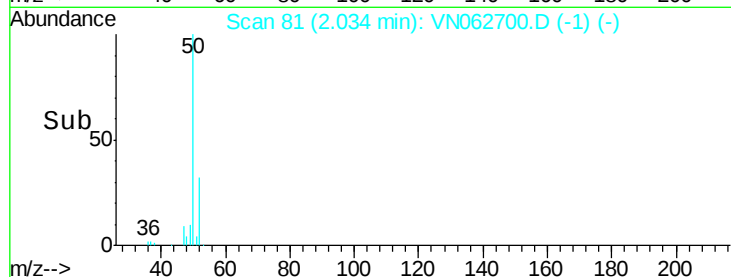
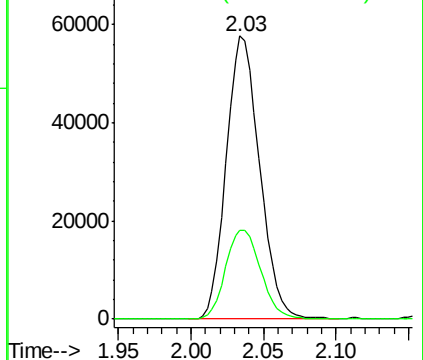
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 41.313 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062700.D

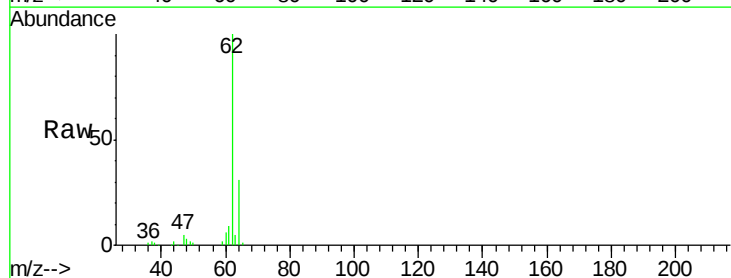
Acq: 31 Jul 2020 21:33

Tgt Ion: 62 Resp: 84046

Ion Ratio Lower Upper

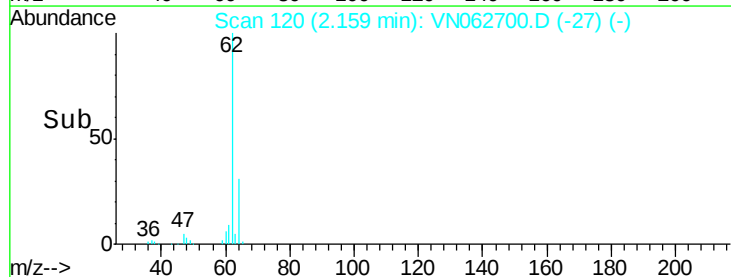
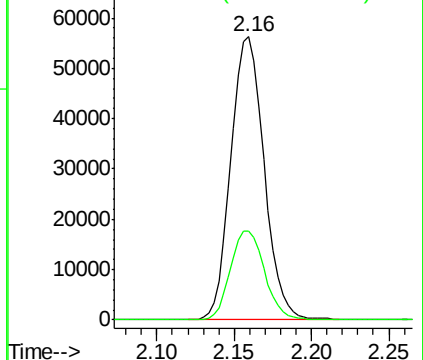
62 100

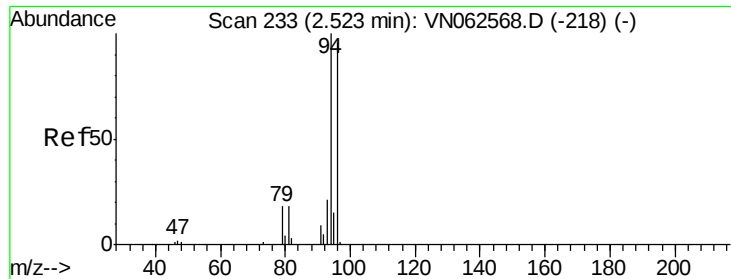
64 31.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 55.737 ug/l

RT: 2.49 min Scan# 223

Delta R.T. -0.03 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 50222

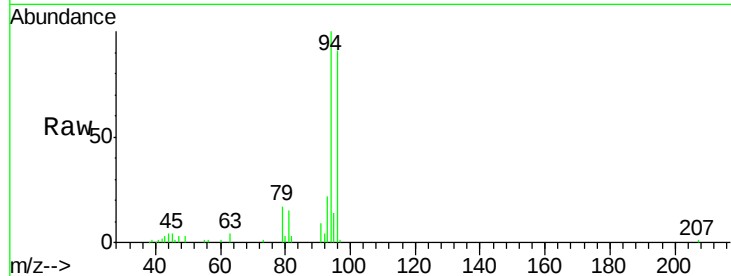
Ion Ratio Lower Upper

94 100

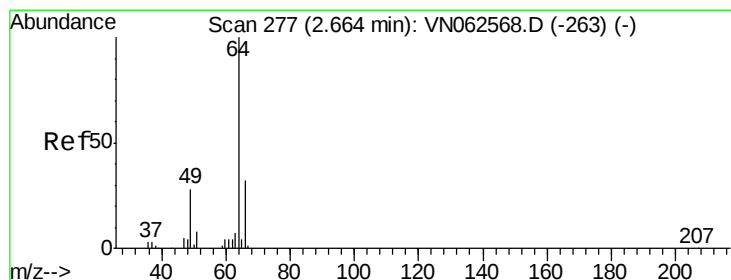
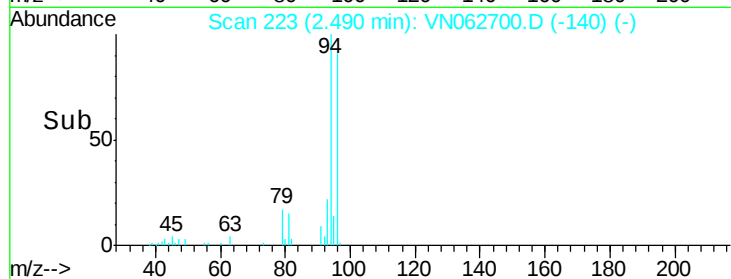
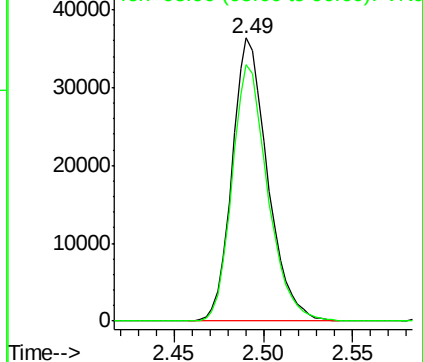
96 90.6 76.6 114.8

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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: 53.780 ug/l

RT: 2.64 min Scan# 271

Delta R.T. -0.02 min

Lab File: VN062700.D

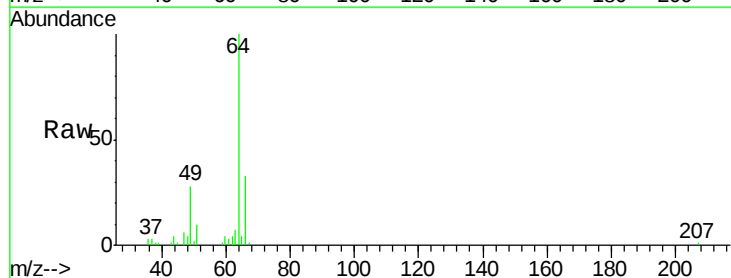
Acq: 31 Jul 2020 21:33

Tgt Ion: 64 Resp: 49490

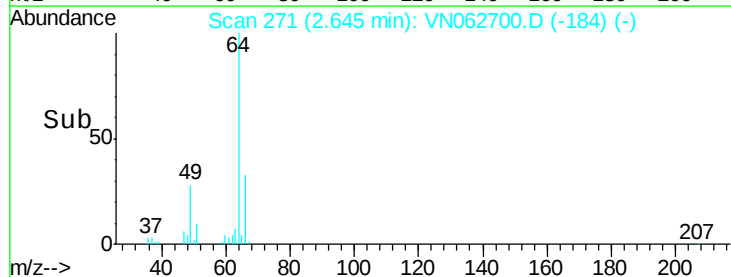
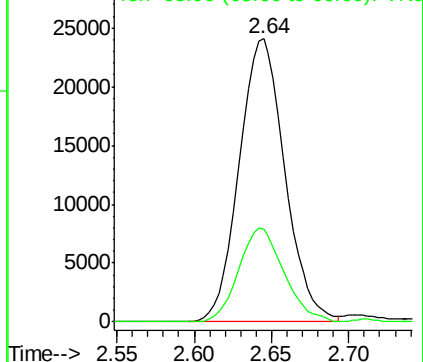
Ion Ratio Lower Upper

64 100

66 32.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

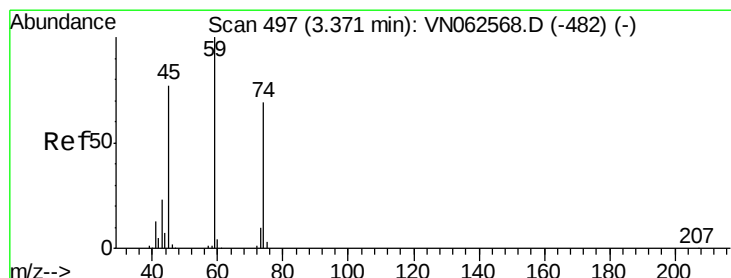
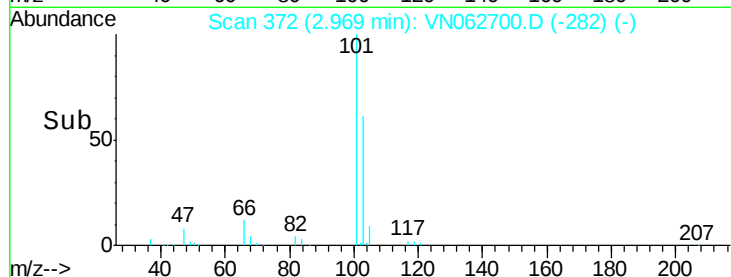
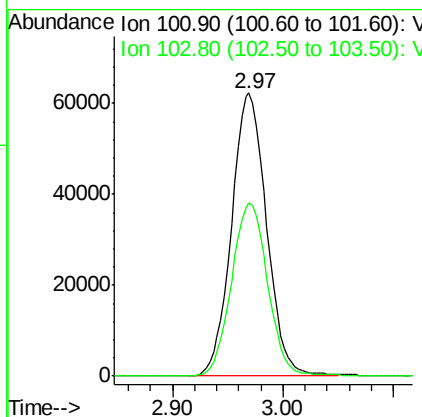
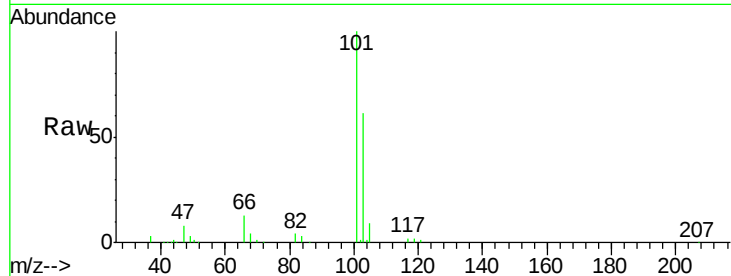
Trichlorofluoromethane
 Concen: 57.355 ug/l
 RT: 2.97 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VN062700.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.5	77.3

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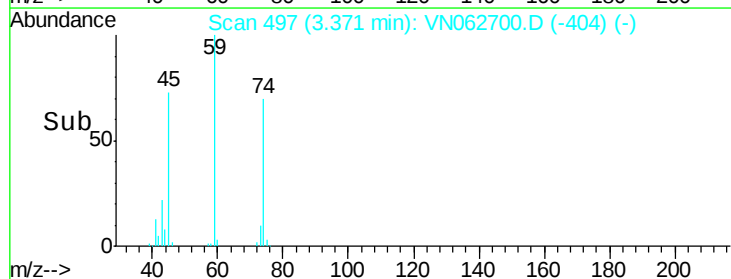
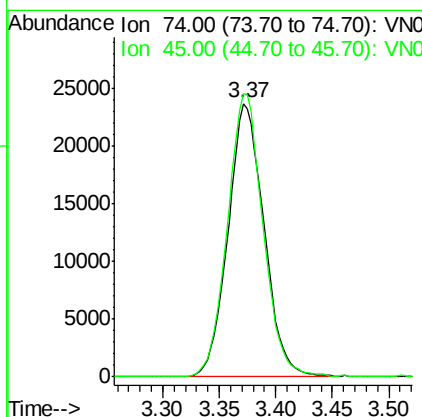
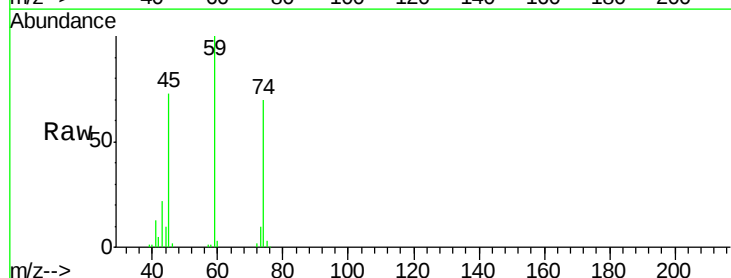
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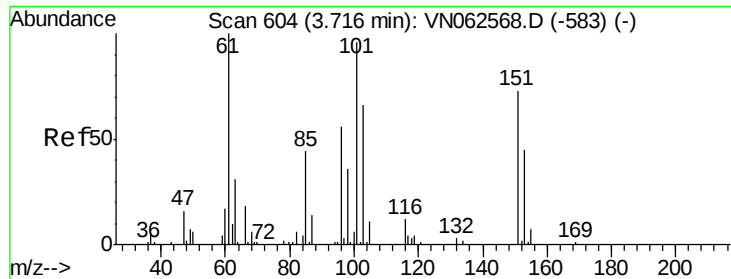


#8

Diethyl Ether
 Concen: 46.945 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	55.3	165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.414 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN062700.D

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MSVOA_N

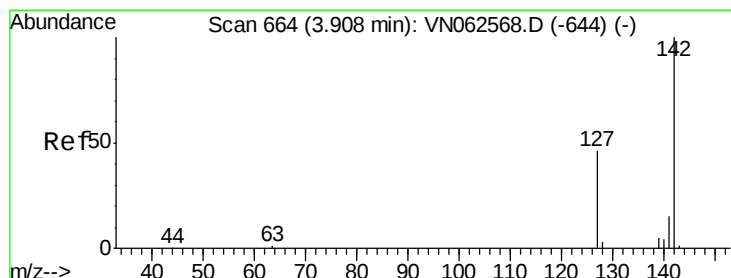
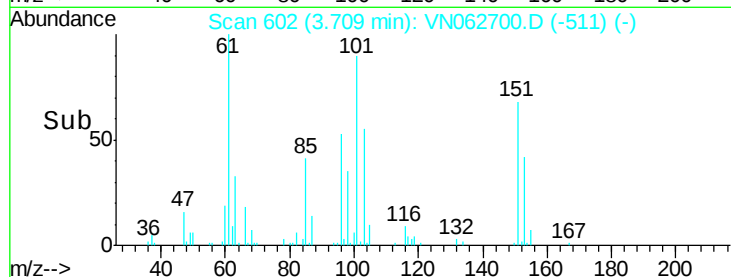
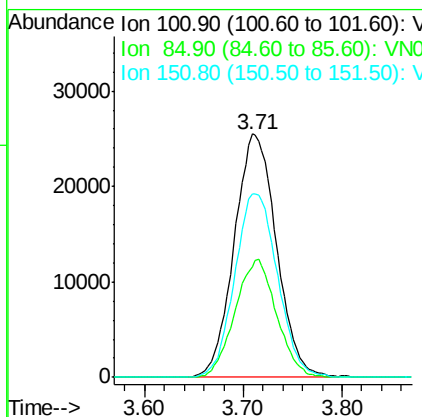
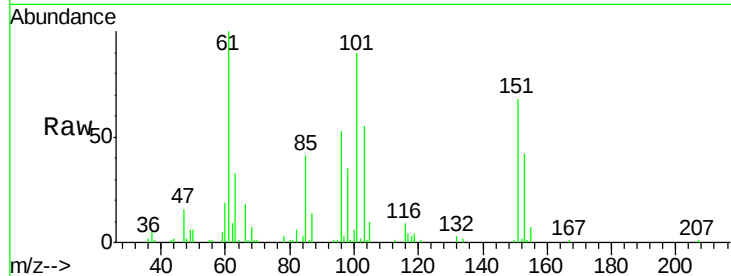
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	75674
Ion Ratio	Lower	Upper	
101	100		
85	47.5	36.0	54.0
151	76.4	60.0	90.0

Manual Integrations
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#10

Methyl Iodide

Concen: 51.100 ug/l

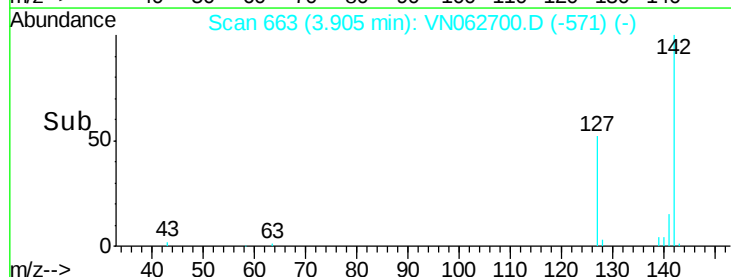
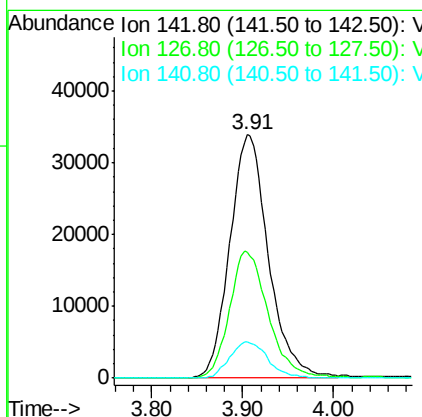
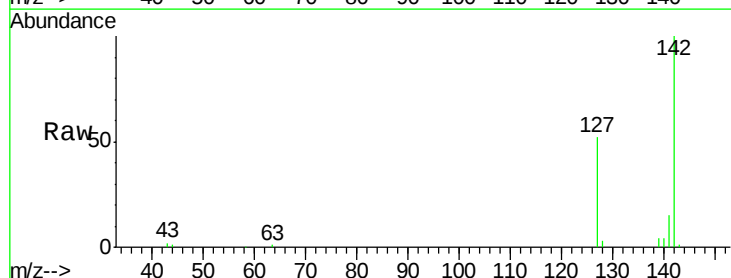
RT: 3.91 min Scan# 663

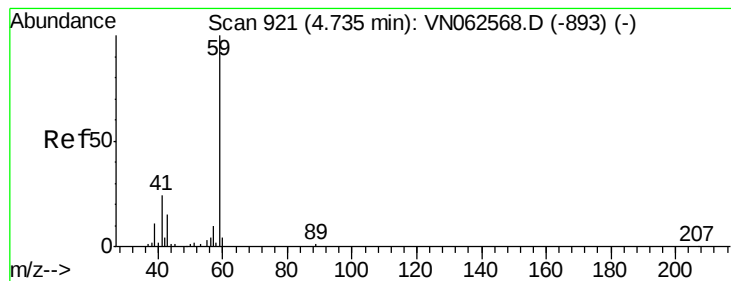
Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Tgt Ion:	142	Resp:	100047
Ion Ratio	Lower	Upper	
142	100		
127	52.3	37.4	56.0
141	14.6	11.9	17.9





#11

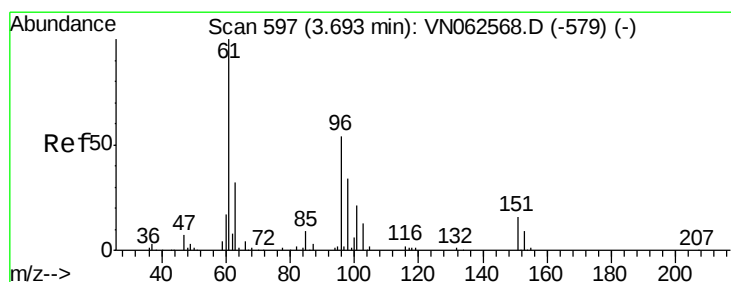
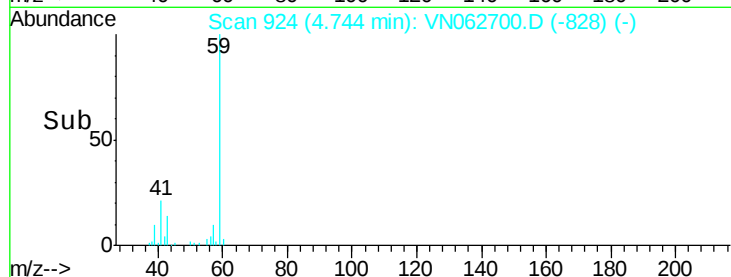
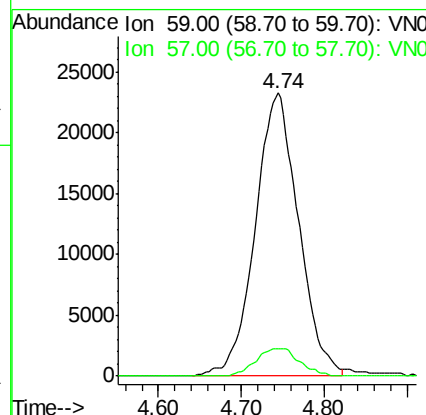
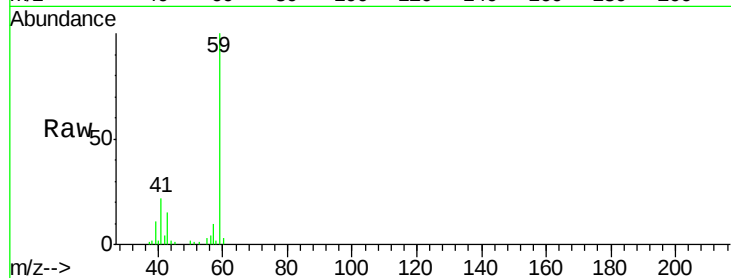
Tert butyl alcohol
 Concen: 235.333 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

Manual Integrations
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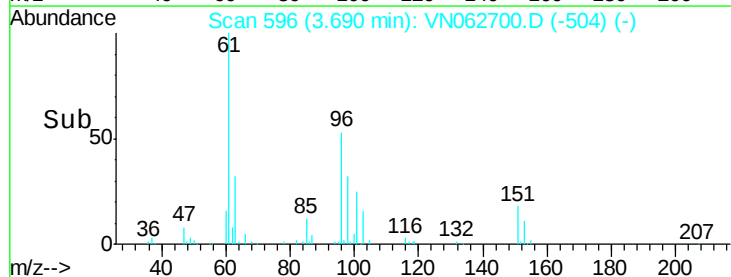
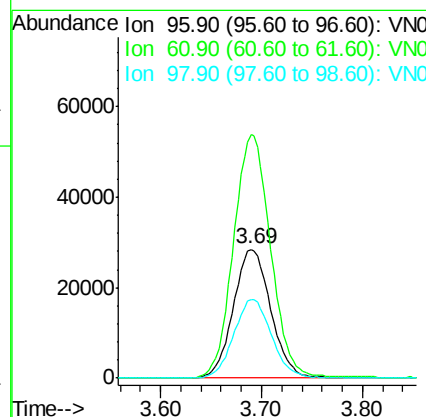
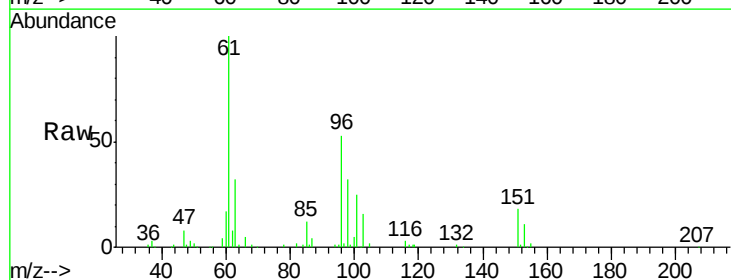
MMDadoda
 8/3/2020 9:32:18 AM

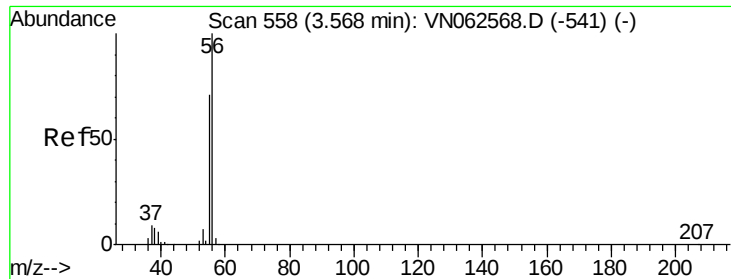


#12

1,1-Dichloroethene
 Concen: 47.154 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.7	148.6	222.8
98	61.3	50.6	75.8





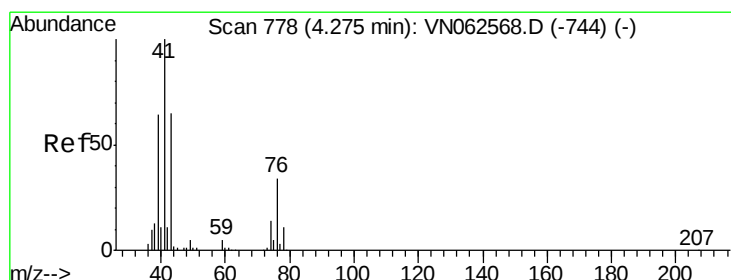
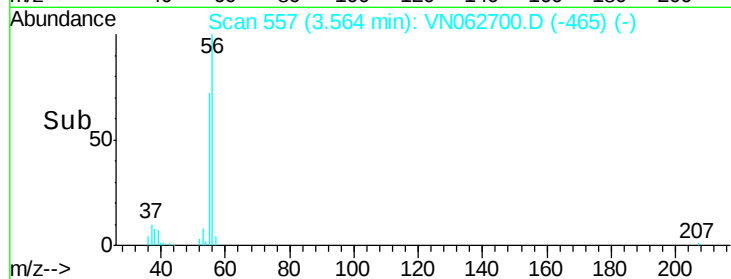
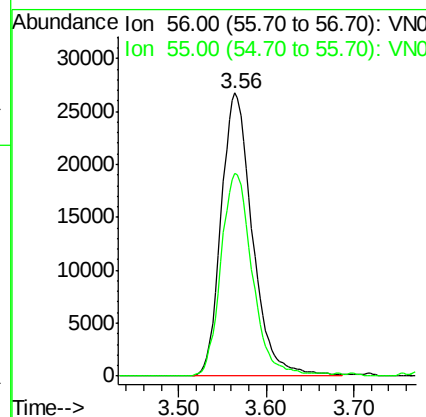
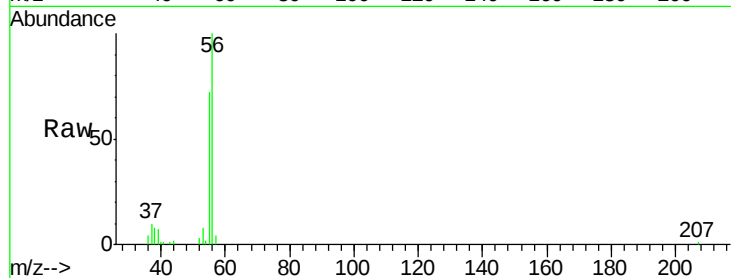
#13
Acrolein
Concen: 180.892 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	66720
Ion Ratio	Lower	Upper	
56	100		
55	71.8	57.0	85.4

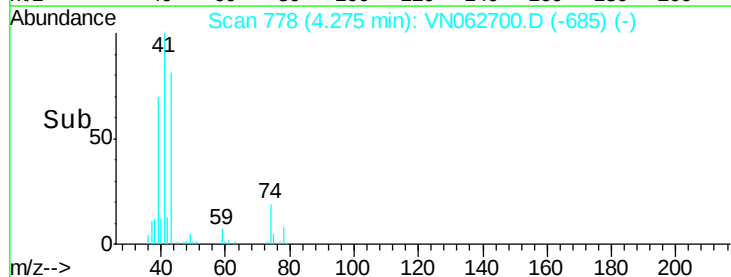
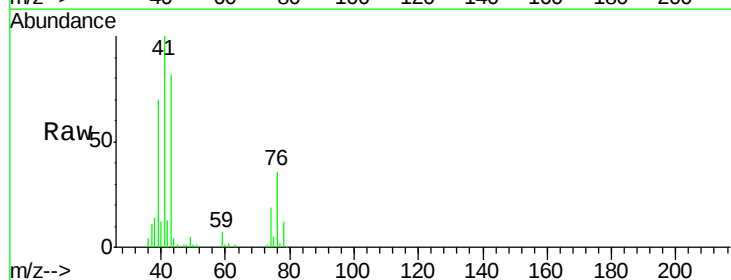
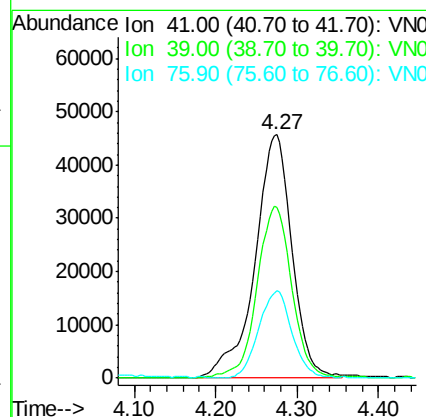
Manual Integrations
APPROVED

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#14
Allyl chloride
Concen: 42.967 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	41	Resp	144354
Ion Ratio	Lower	Upper	
41	100		
39	66.2	49.0	73.4
76	32.2	24.0	36.0





#15

Acrylonitrile

Concen: 238.978 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

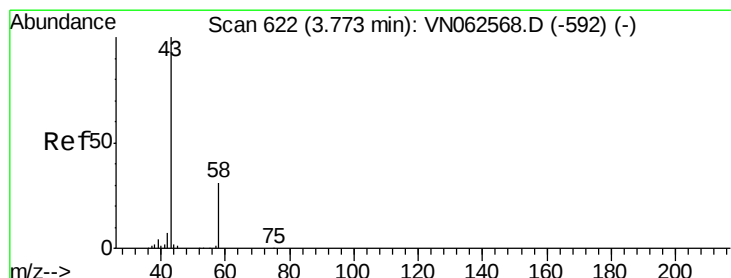
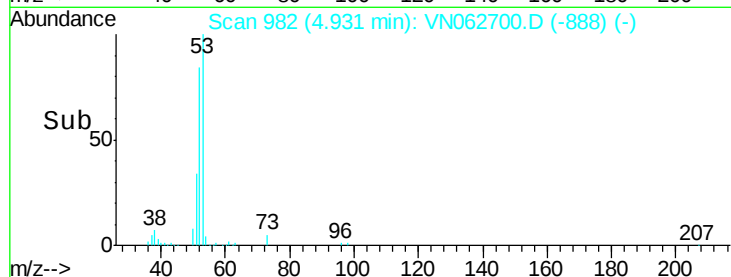
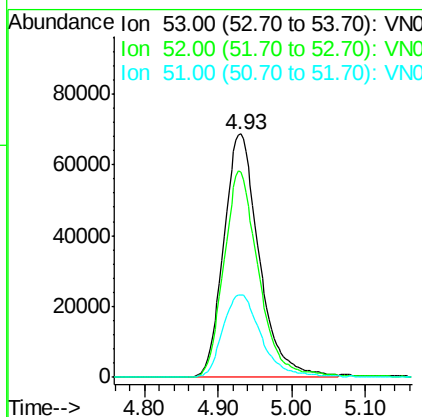
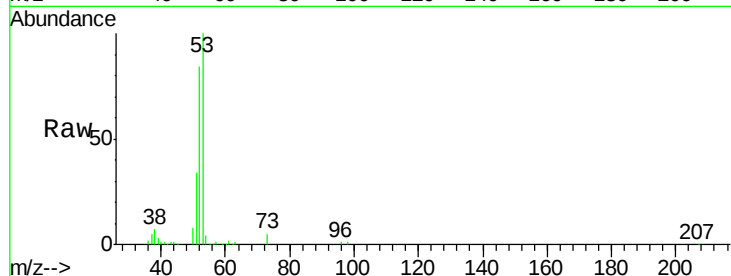
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	229450
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.3	99.5
51	36.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 224.438 ug/l

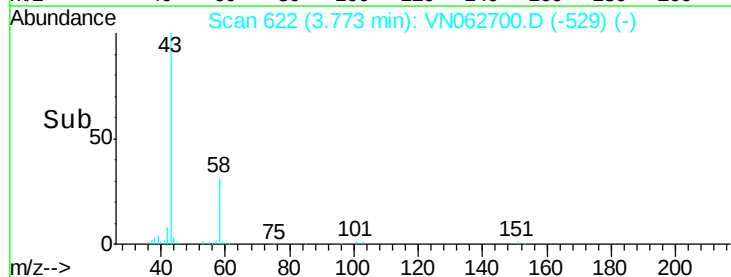
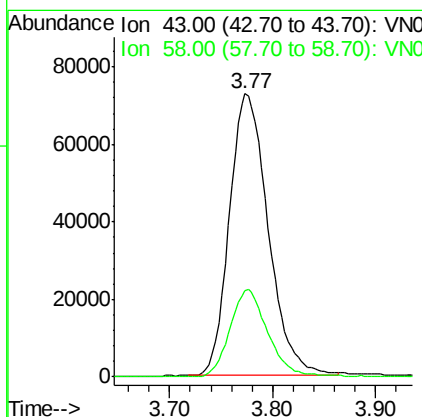
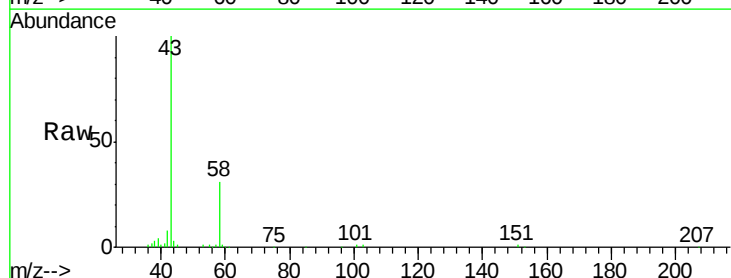
RT: 3.77 min Scan# 622

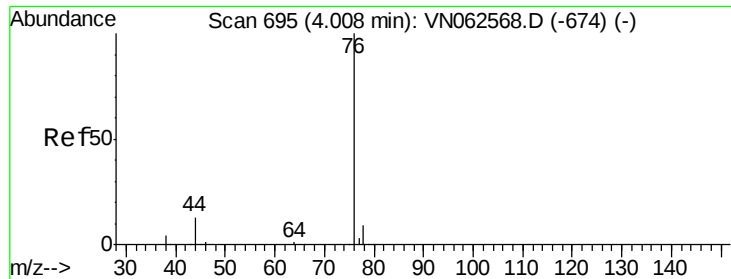
Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Tgt Ion:	43	Resp:	190312
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	37.0





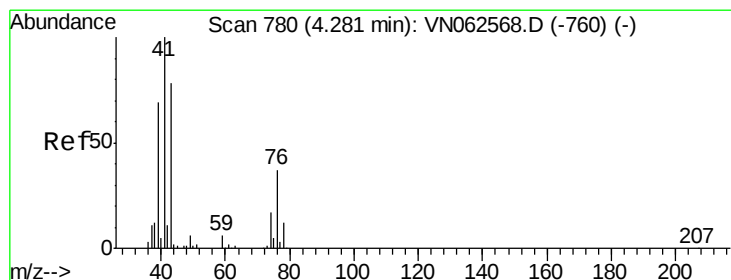
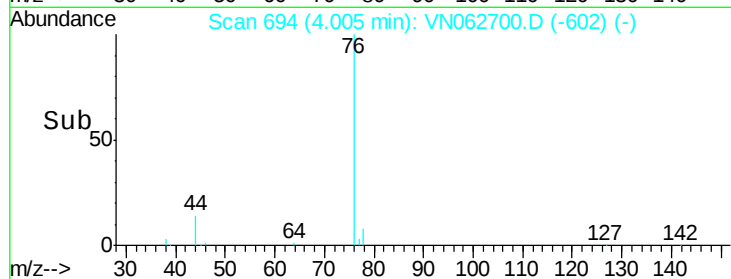
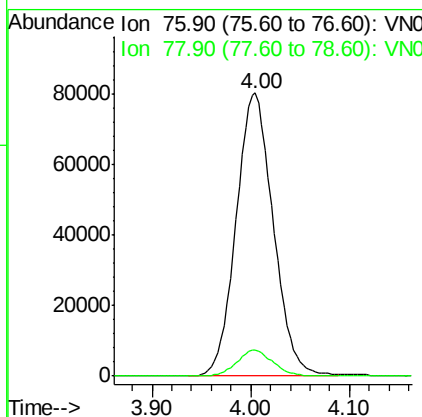
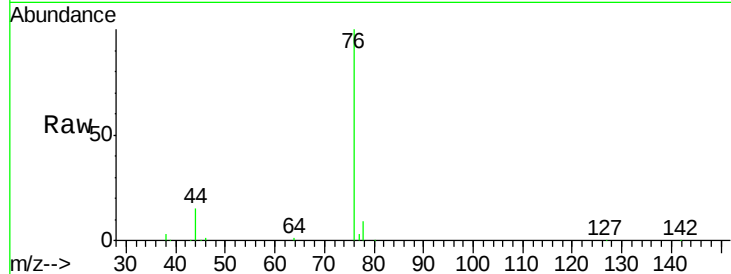
#17
Carbon Disulfide
Concen: 41.019 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

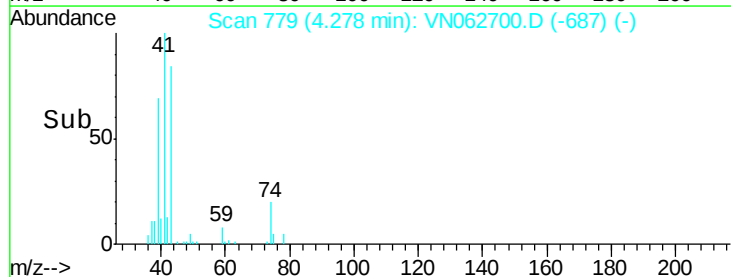
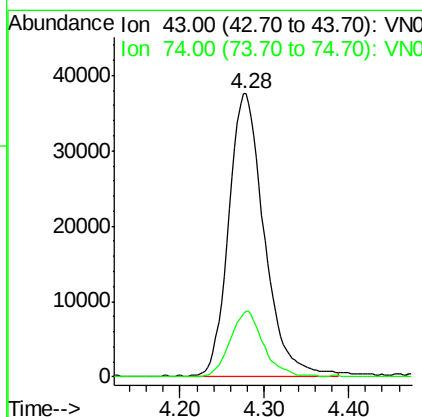
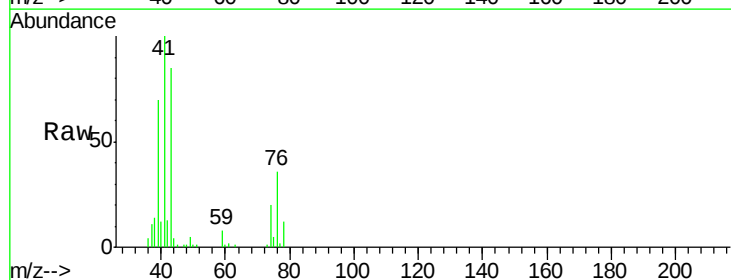
Manual Integrations
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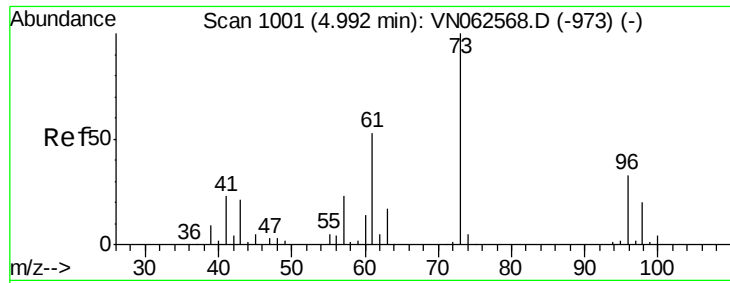
MMDadoda
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#18
Methyl Acetate
Concen: 51.607 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	16.6	24.8





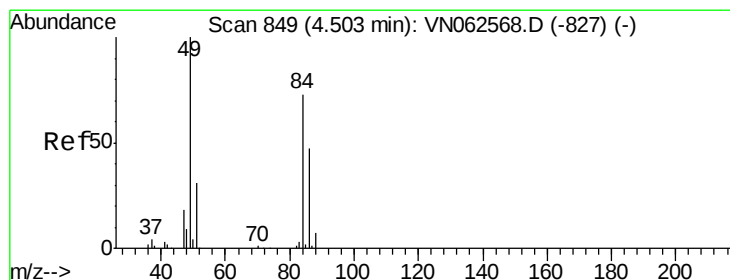
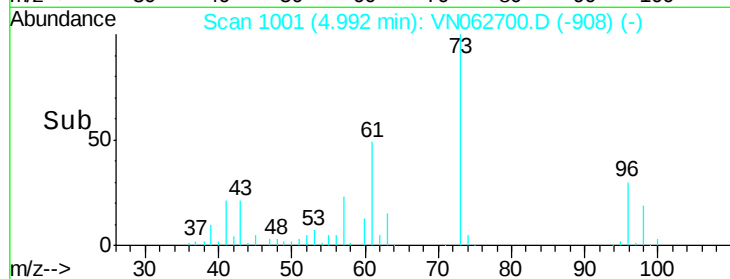
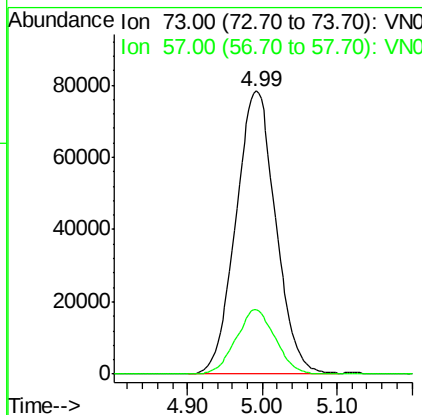
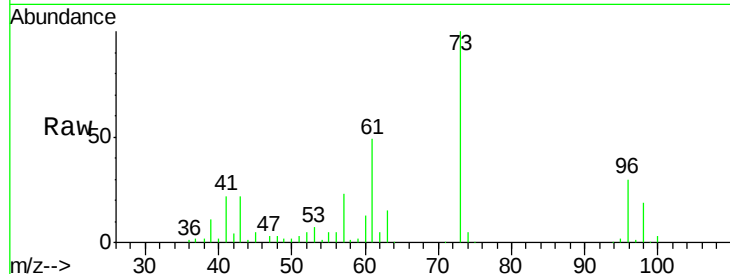
#19
Methvl tert-butvl Ether
Concen: 50.802 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 290415
Ion Ratio Lower Upper
73 100
57 22.8 18.6 27.8

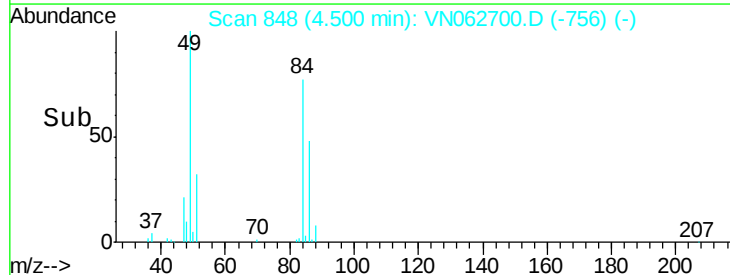
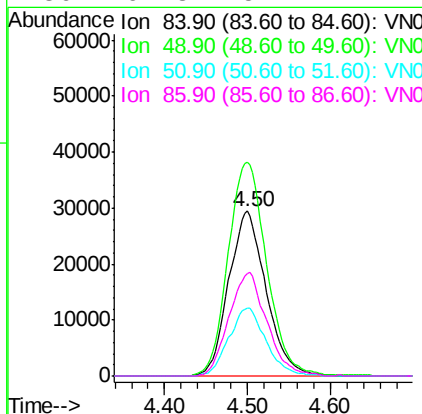
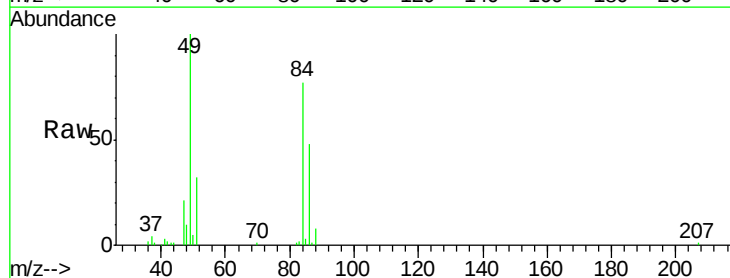
Manual Integrations
APPROVED

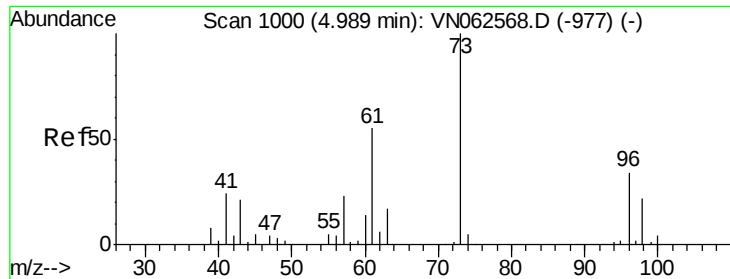
MMDadoda
8/3/2020 9:32:18 AM



#20
Methylene Chloride
Concen: 45.428 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion: 84 Resp: 92388
Ion Ratio Lower Upper
84 100
49 129.6 109.4 164.0
51 41.3 33.6 50.4
86 62.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 45.145 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 77822

Ion Ratio Lower Upper

96 100

61 164.5 128.6 192.8

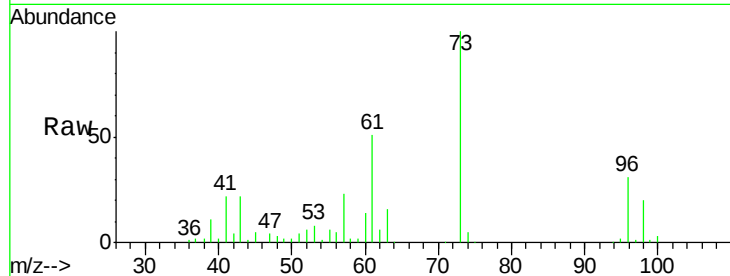
98 64.3 50.6 76.0

Manual Integrations

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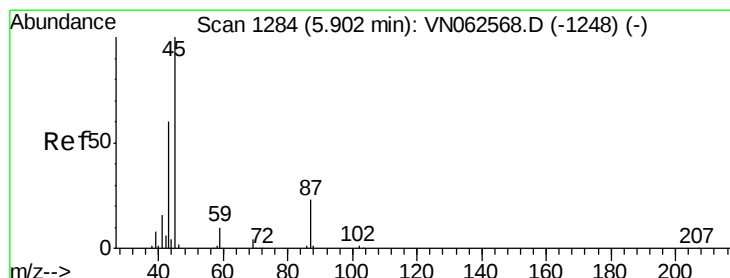
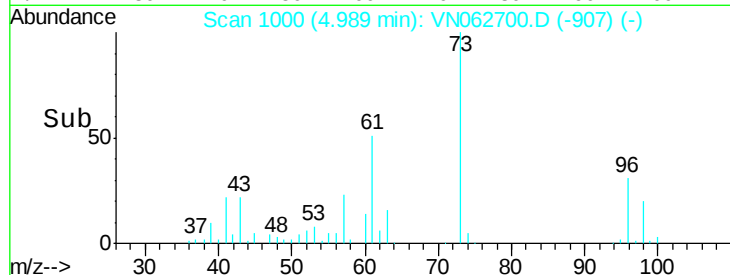
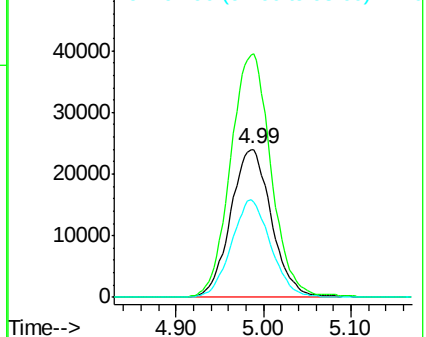


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 44.825 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Tgt Ion: 45 Resp: 299346

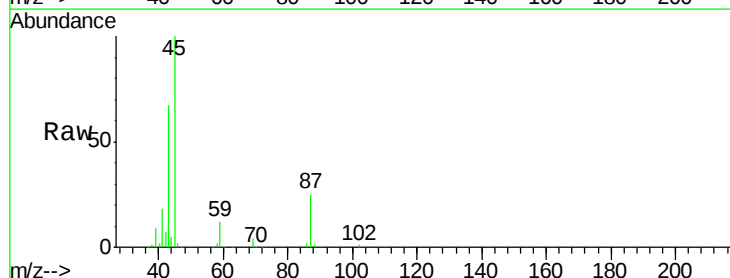
Ion Ratio Lower Upper

45 100

43 65.6 48.7 73.1

87 25.0 19.0 28.6

59 12.0 8.6 13.0



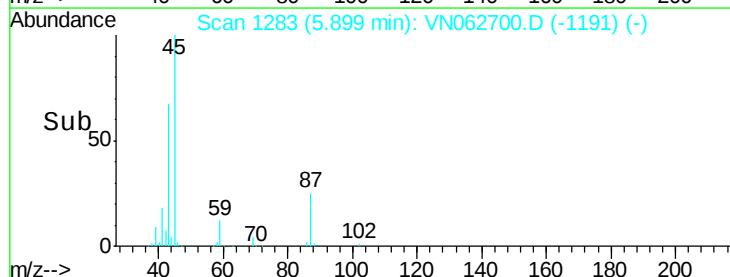
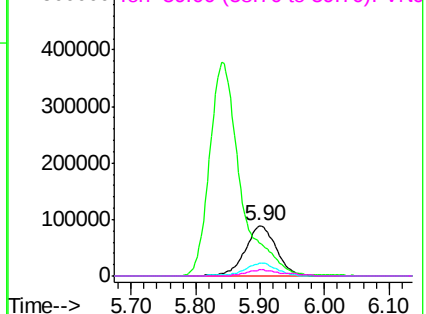
Abundance

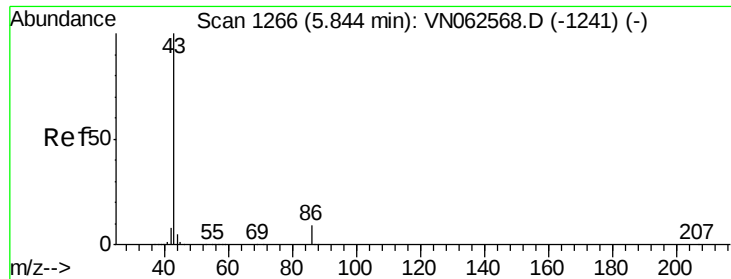
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 230.648 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1262081

Ion Ratio Lower Upper

43 100

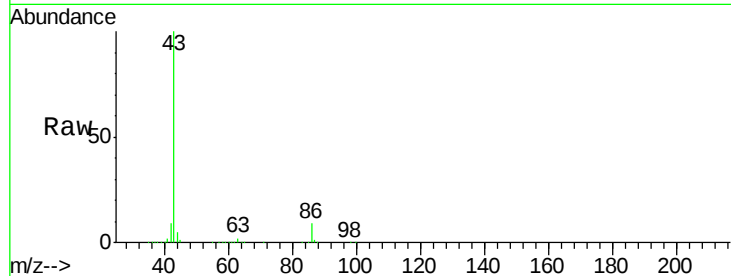
86 9.1 6.9 10.3

Manual Integrations

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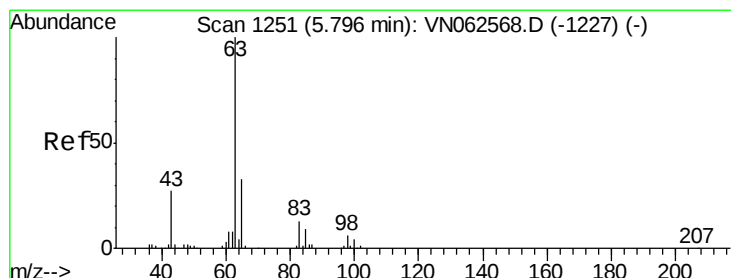
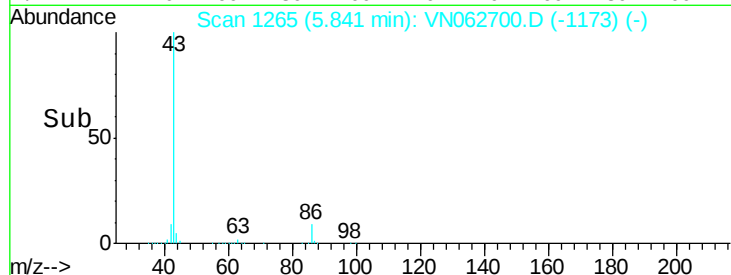
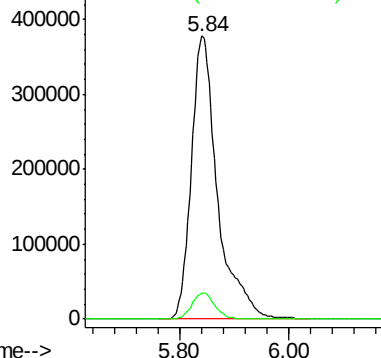
MMDadoda

8/3/2020 9:32:18 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: 47.396 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

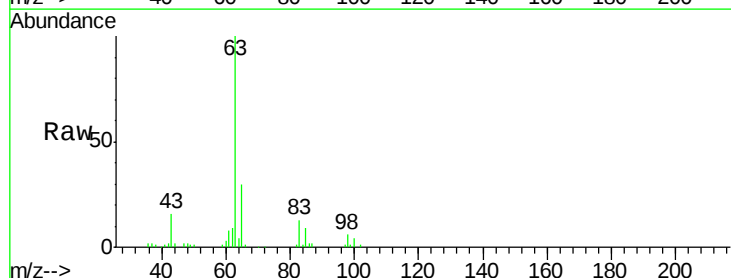
Tgt Ion: 63 Resp: 170440

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.8

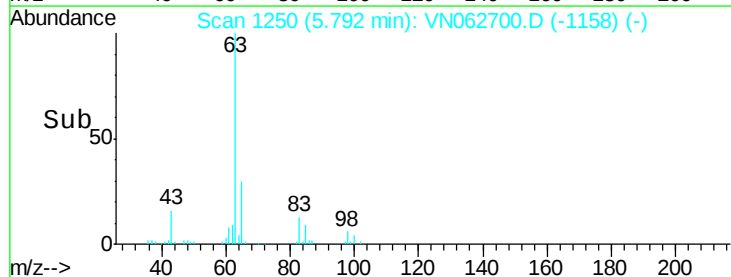
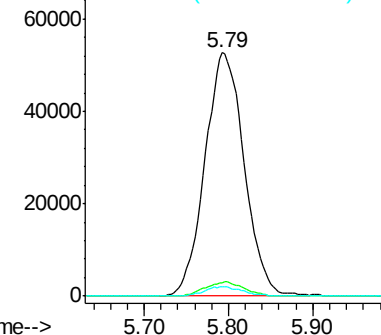
100 3.8 1.8 5.4

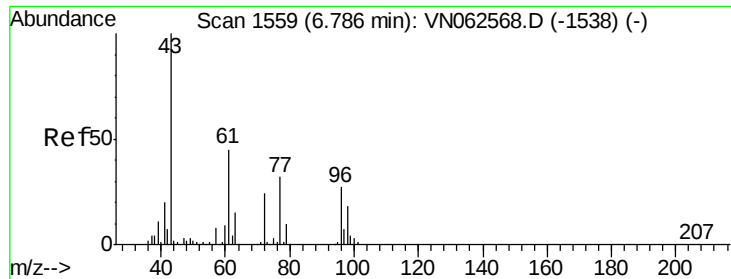


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





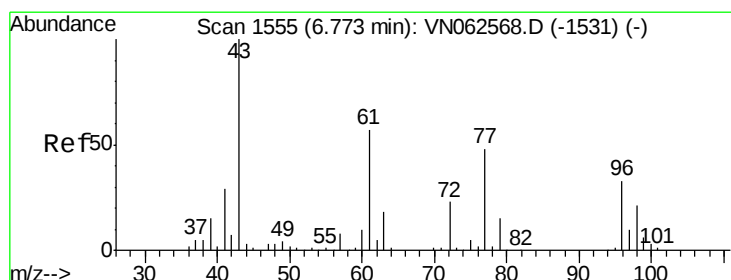
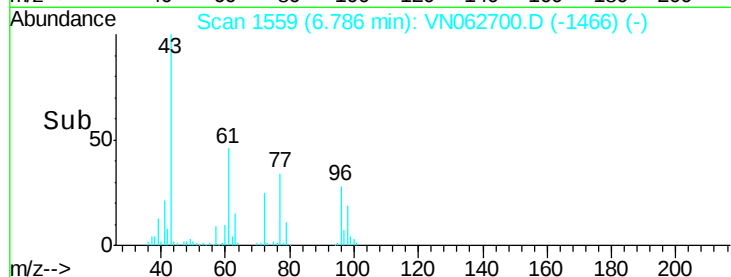
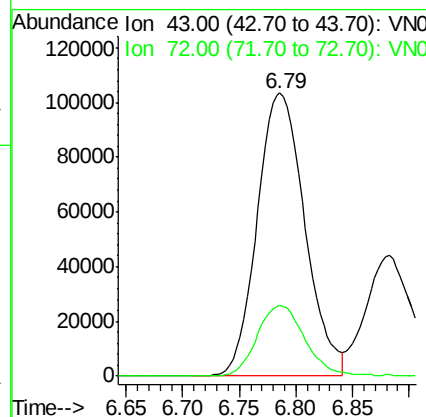
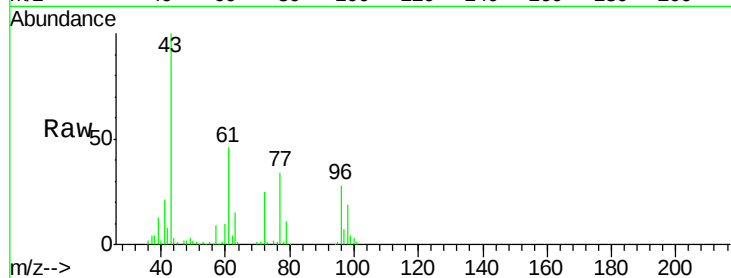
#25
2-Butanone
Concen: 234.255 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.8	19.0	28.6

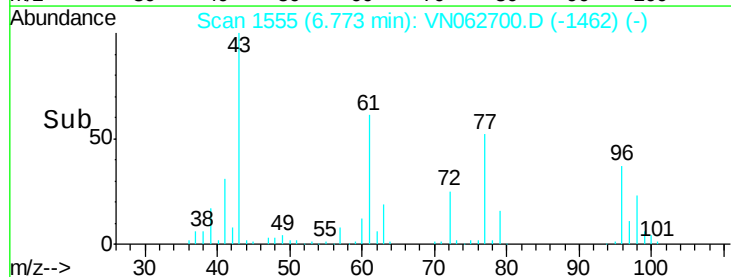
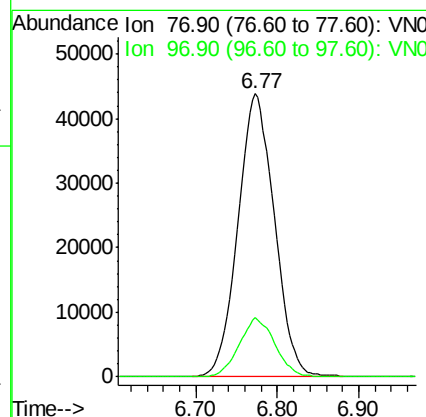
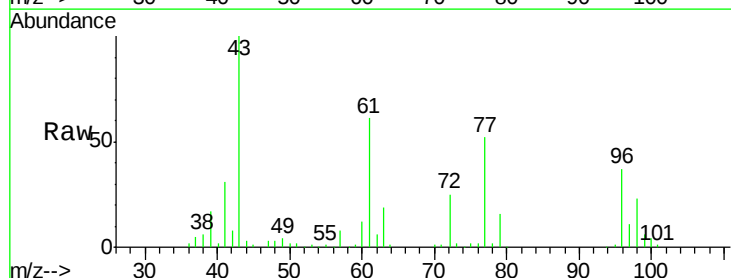
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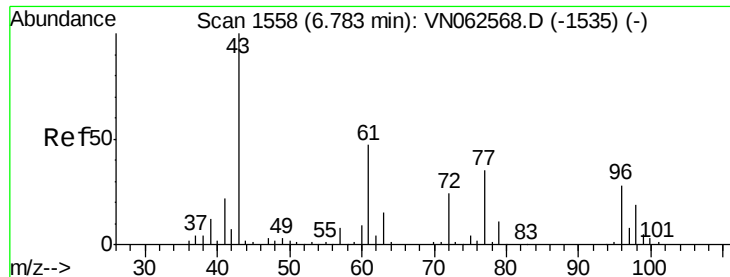
MMDadoda
8/3/2020 9:32:18 AM



#26
2,2-Dichloropropane
Concen: 46.033 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
77	100		
97	20.3	10.8	32.4





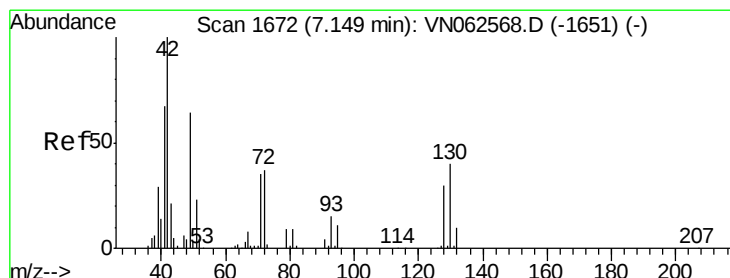
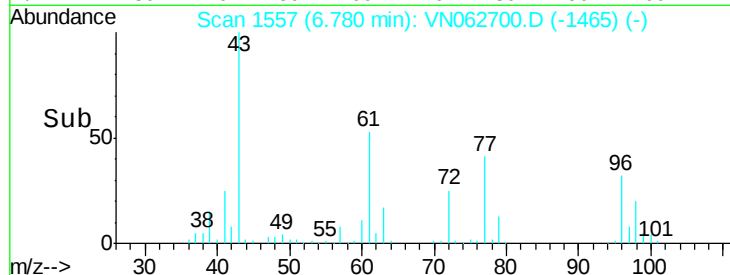
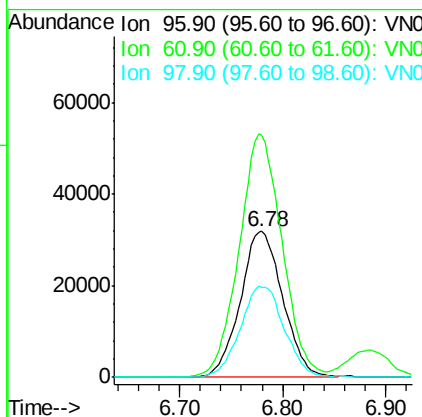
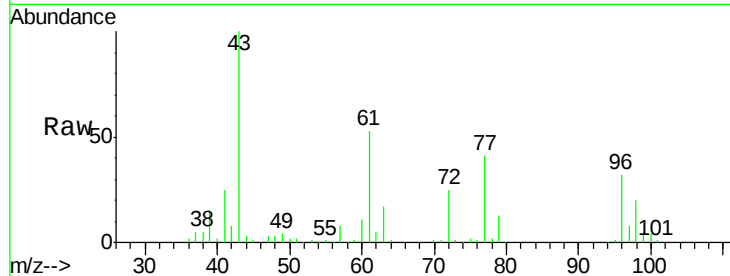
#27
 cis-1,2-Dichloroethene
 Concen: 46.440 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.0	0.0	332.4
98	64.2	0.0	127.4

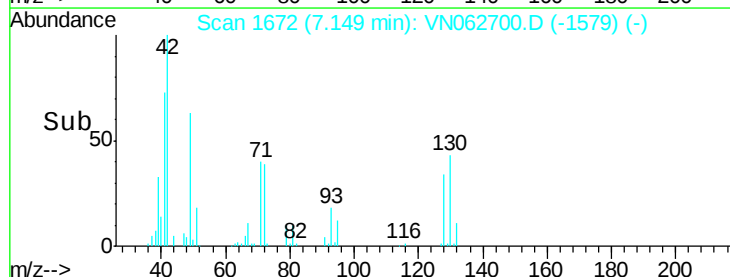
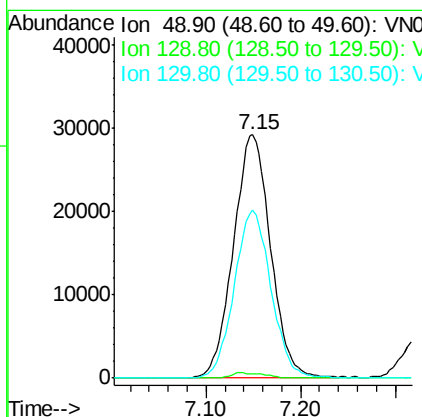
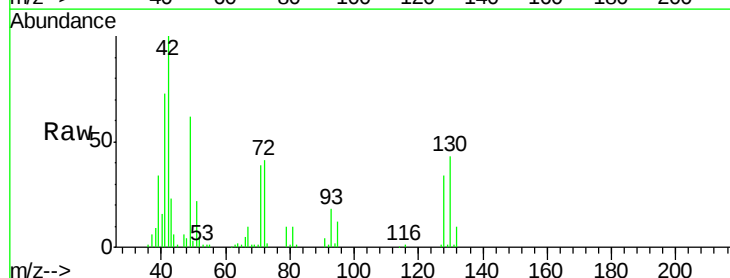
Manual Integrations
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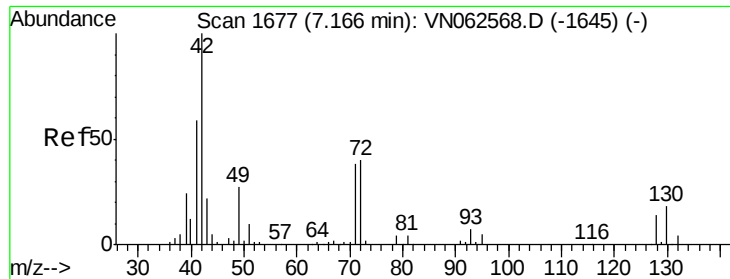
MMDadoda
 8/3/2020 9:32:18 AM



#28
 Bromochloromethane
 Concen: 45.077 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	67.9	49.8	74.8





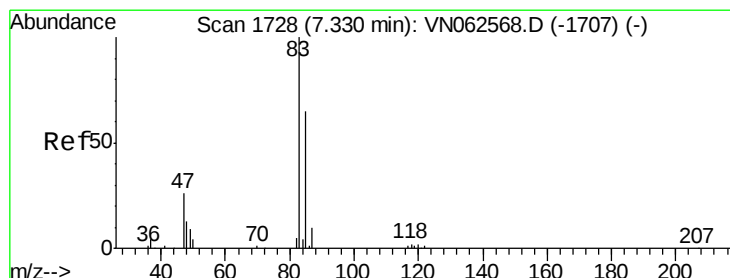
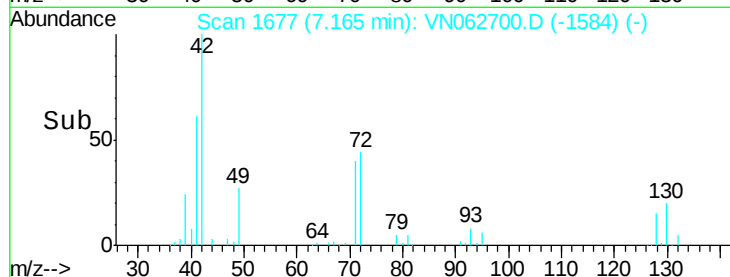
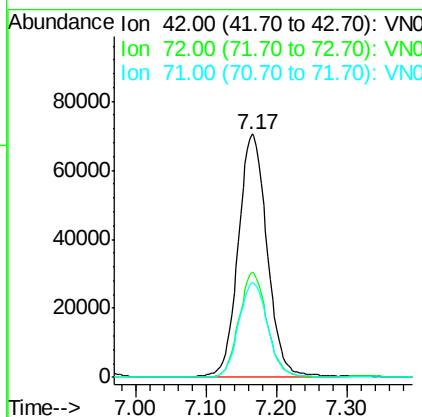
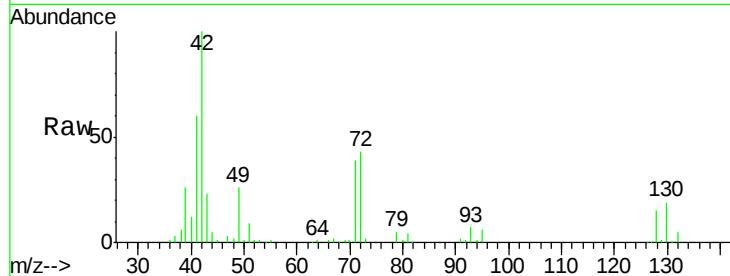
#29
Tetrahydrofuran
Concen: 231.391 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	30.7	46.1
71	38.8	29.1	43.7

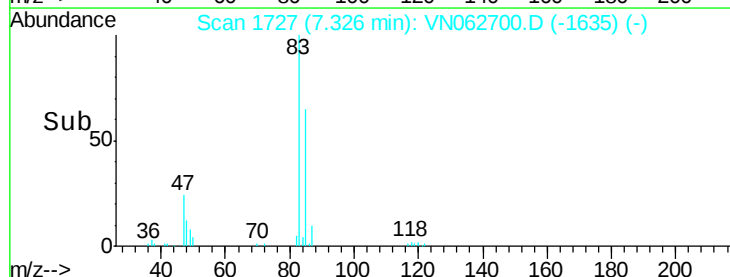
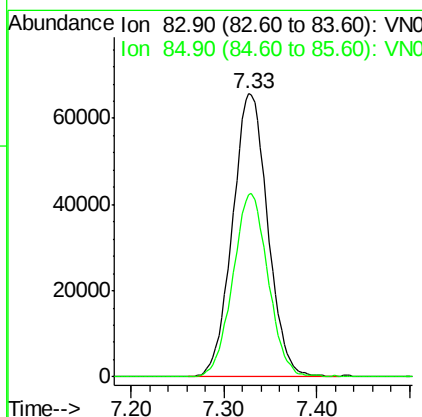
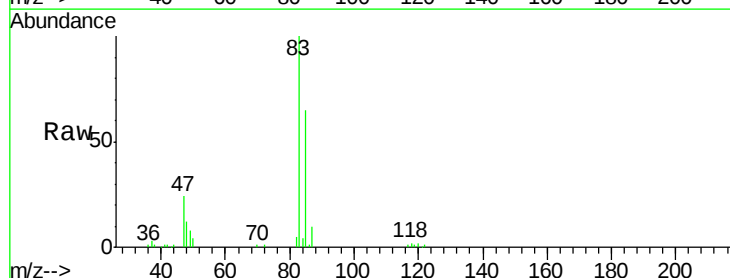
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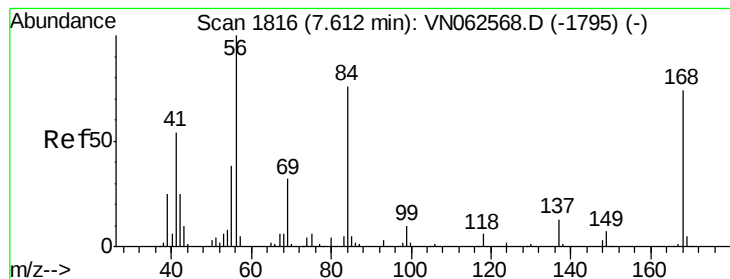
MMDadoda
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#30
Chloroform
Concen: 50.750 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.0	78.0





#31

Cyclohexane

Concen: 42.325 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

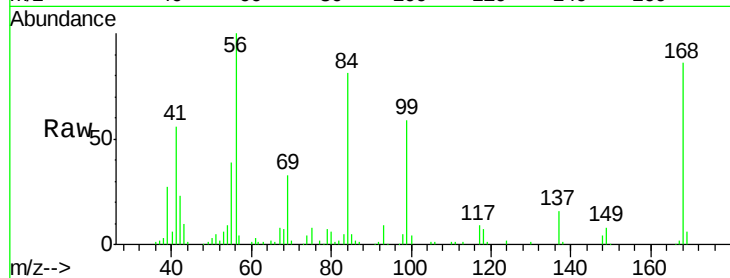
ClientSampleId :

VSTDCCC050

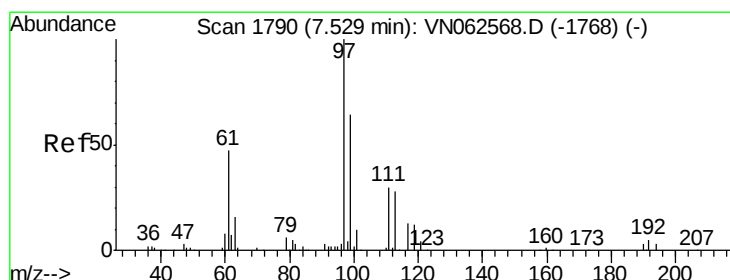
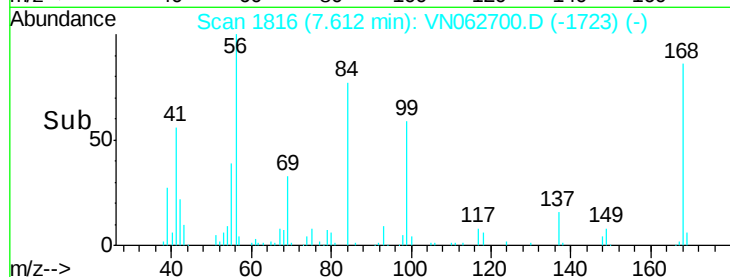
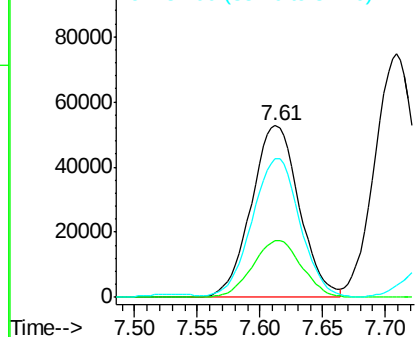
Tot Ion:	56	Resp:	140530
Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.3	37.9
84	79.3	61.0	91.4

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 54.397 ug/l

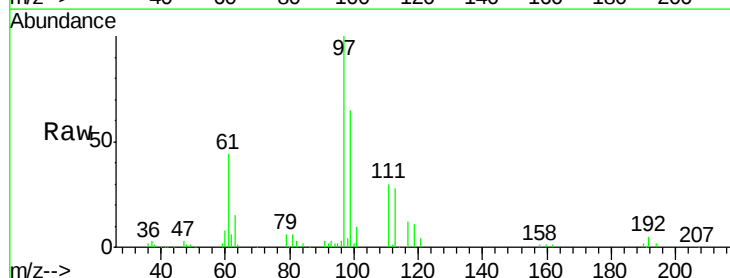
RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

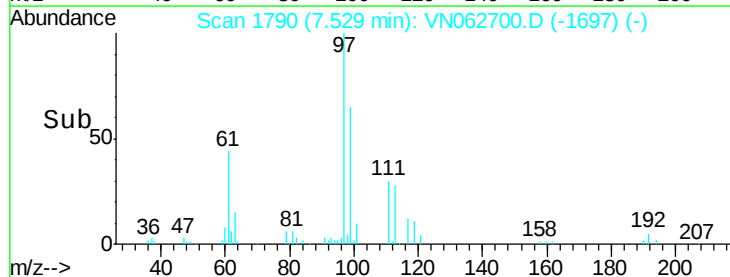
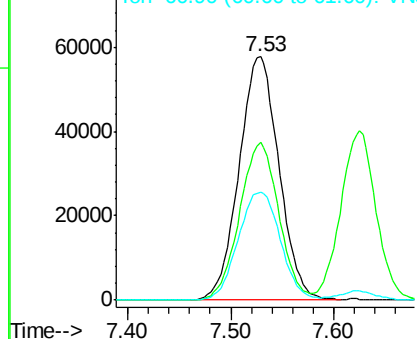
Lab File: VN062700.D

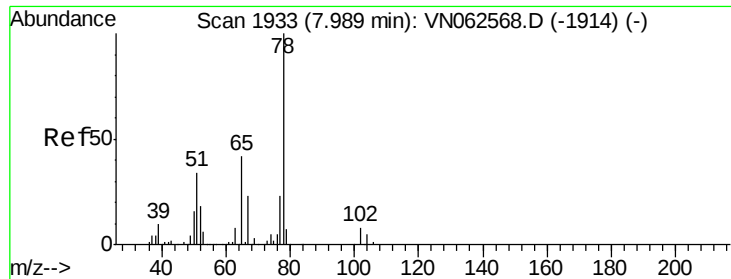
Acq: 31 Jul 2020 21:33

Tgt Ion:	97	Resp:	155287
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.2	76.8
61	46.8	38.4	57.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





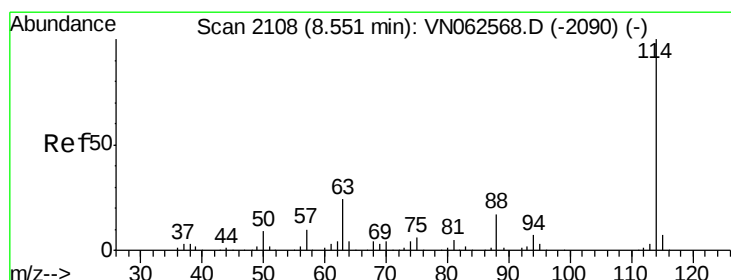
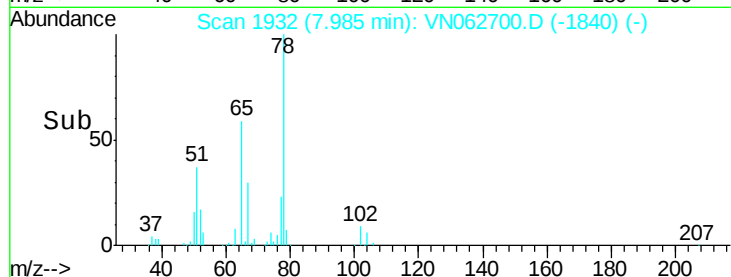
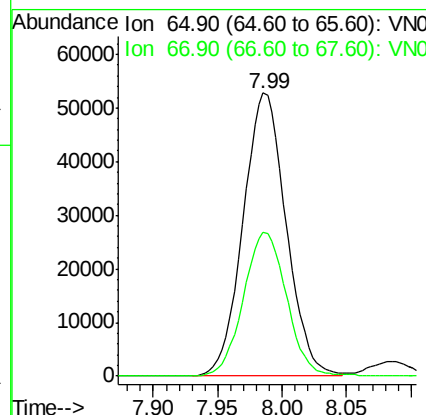
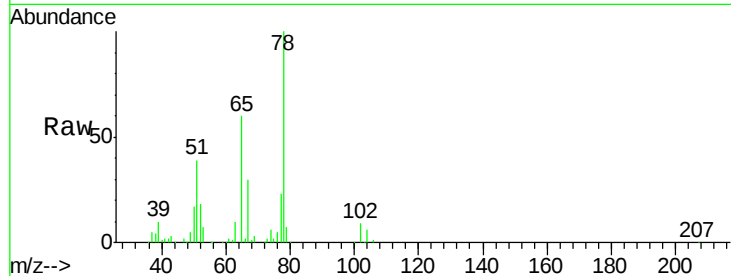
#33
 1,2-Dichloroethane-d4
 Concen: 54.521 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	122855		
67	50.8	0.0	106.0	

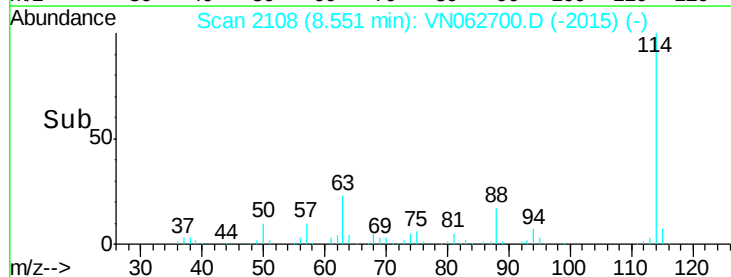
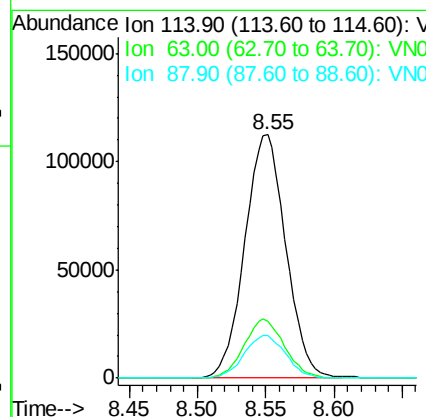
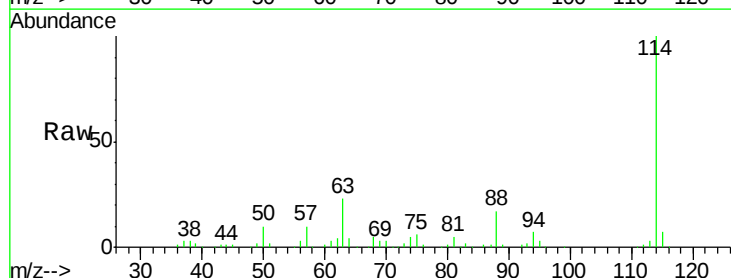
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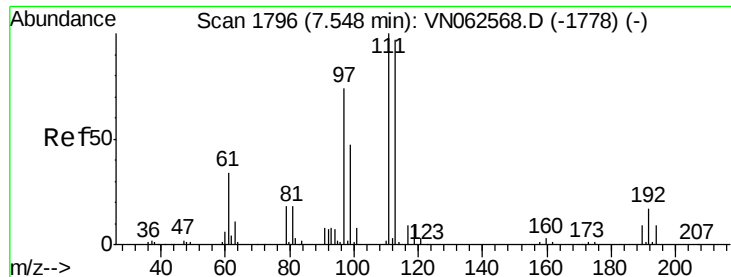
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	234207		
63	23.2	0.0	48.4	
88	17.3	0.0	33.8	





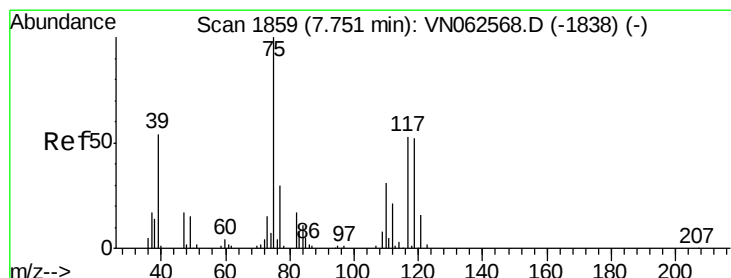
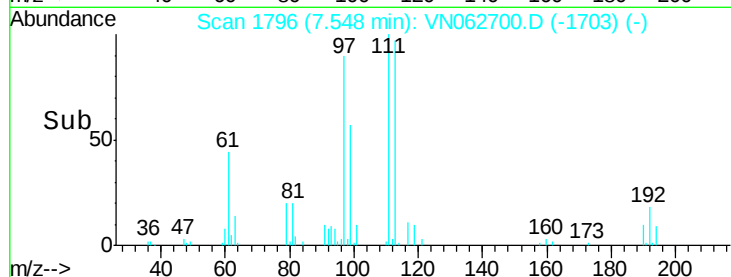
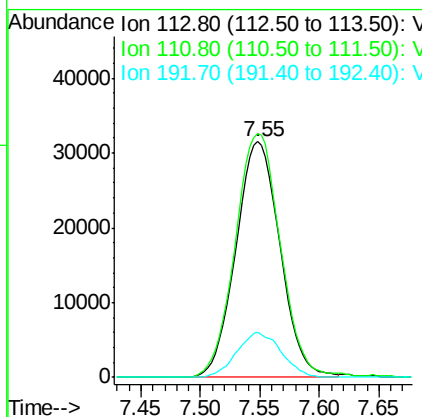
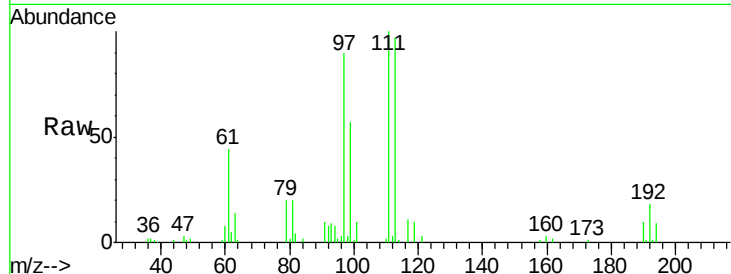
#35
 Dibromofluoromethane
 Concen: 52.713 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.3	82.7	124.1
192	19.1	14.8	22.2

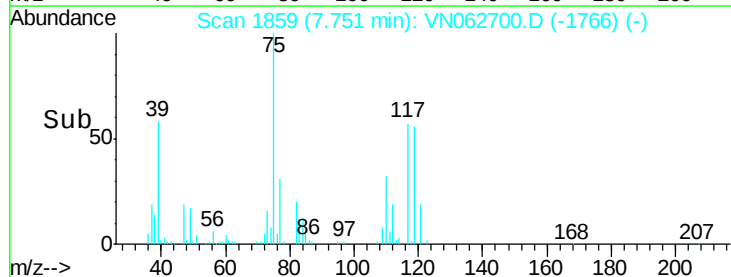
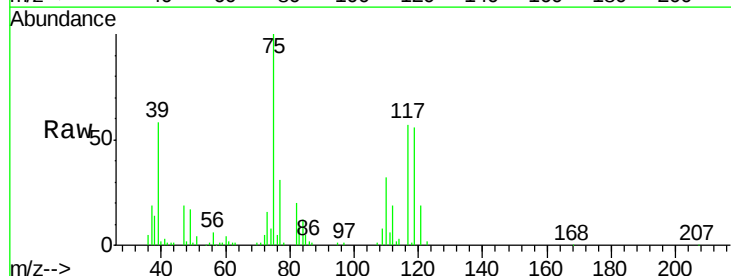
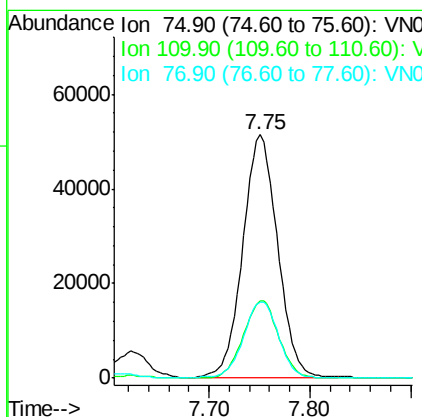
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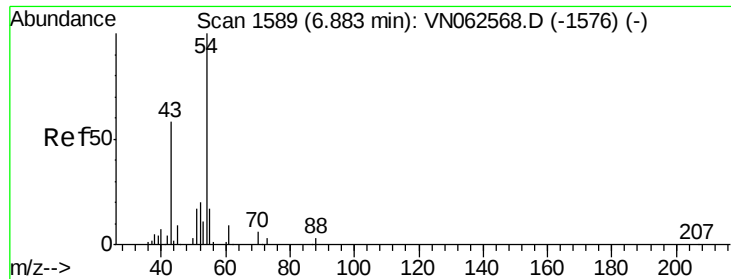
MMDadoda
 8/3/2020 9:32:18 AM



#36
 1,1-Dichloropropene
 Concen: 49.476 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.0	48.0
77	31.4	24.6	36.8





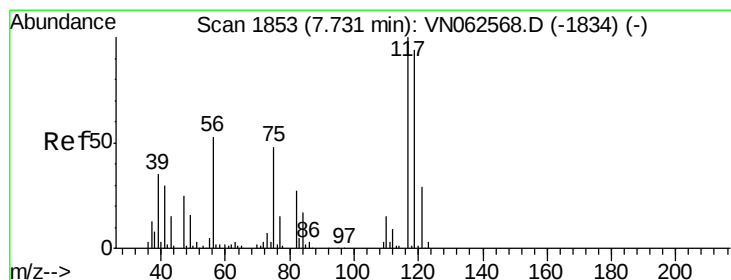
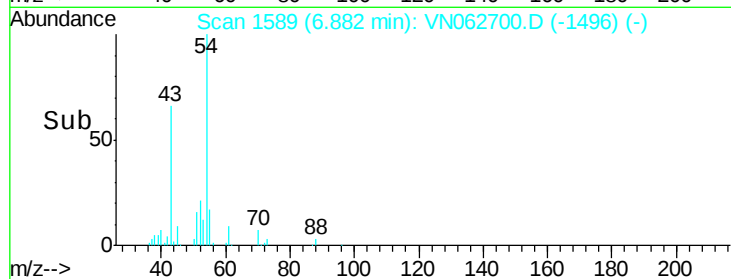
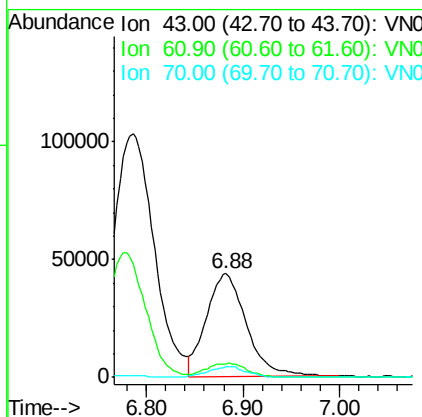
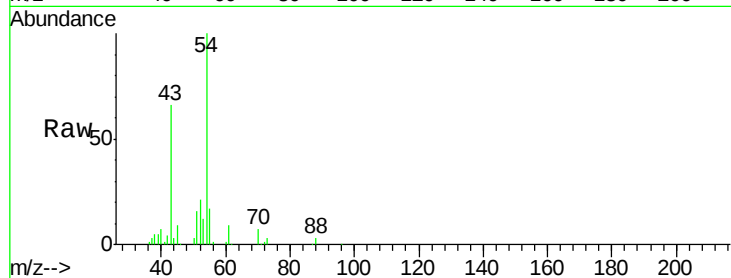
#37
Ethyl Acetate
Concen: 46.923 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.3	16.9
70	10.0	7.7	11.5

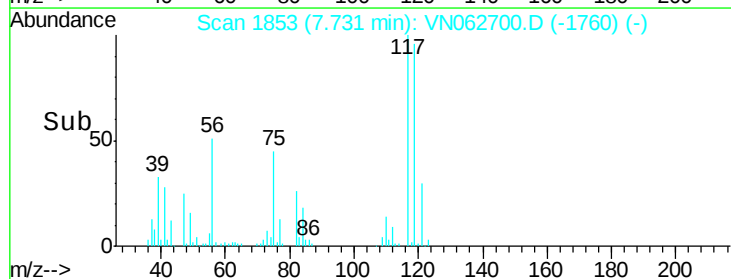
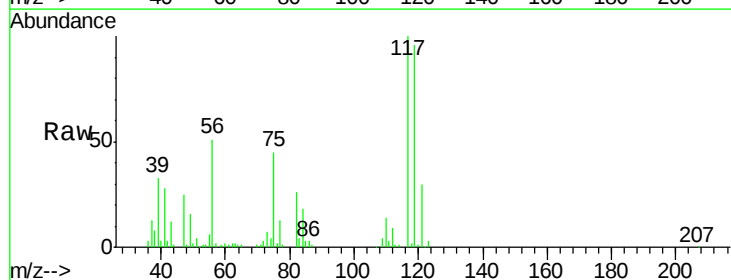
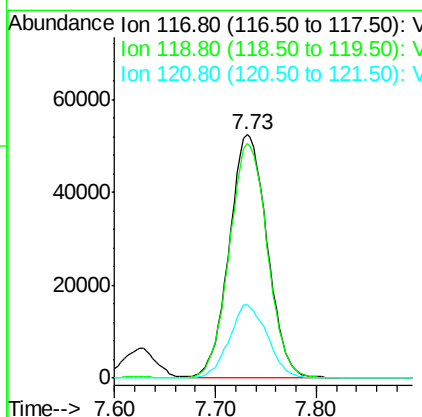
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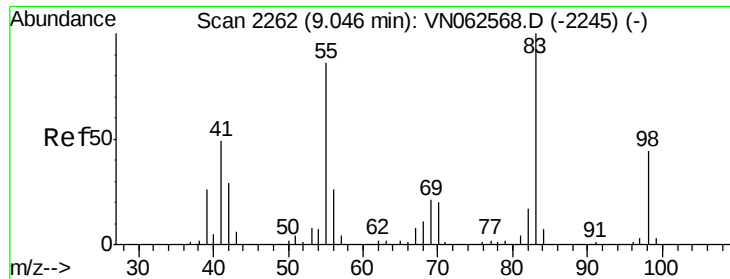
MMDadoda
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#38
Carbon Tetrachloride
Concen: 57.042 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	74.8	112.2
121	30.0	23.0	34.6





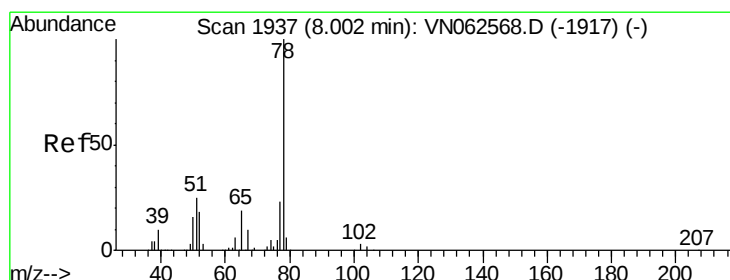
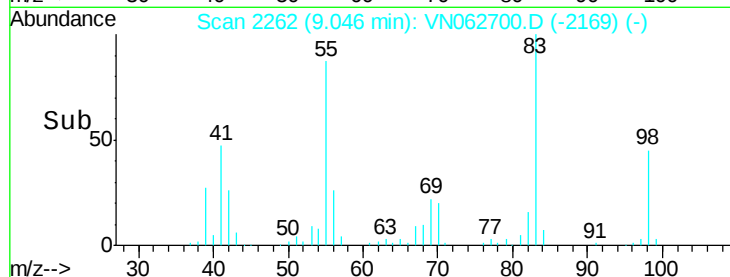
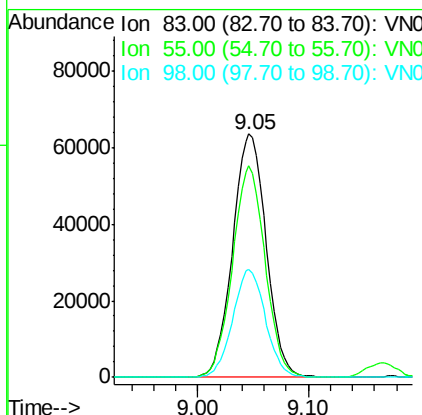
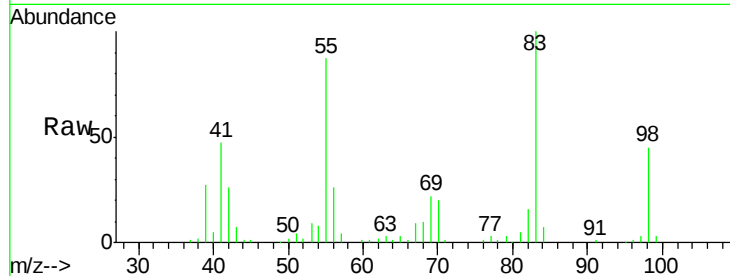
#39
Methvlcvclohexane
Concen: 49.916 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.8	68.9	103.3
98	44.5	35.1	52.7

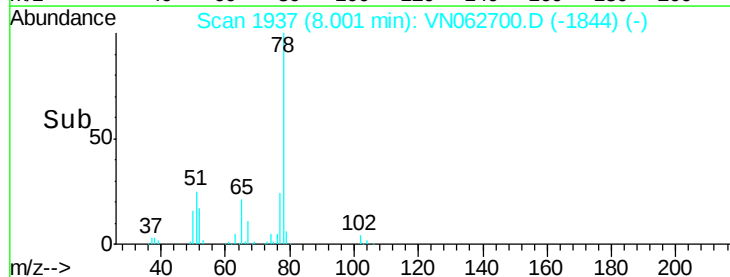
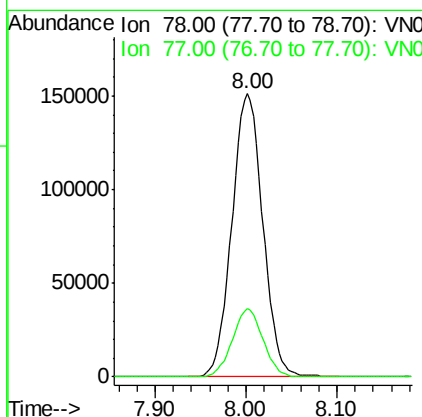
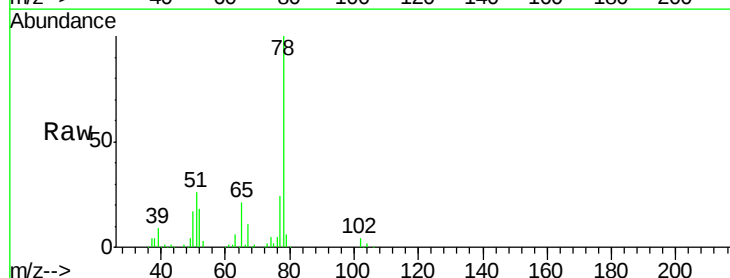
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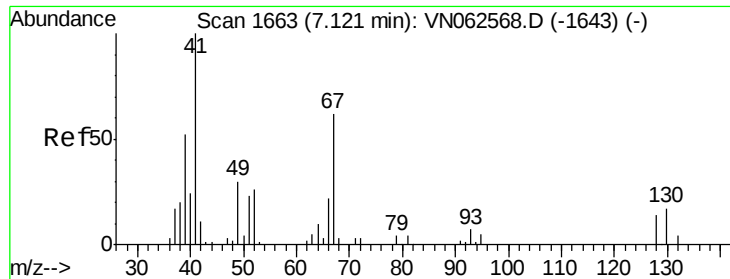
MMDadoda
8/3/2020 9:32:18 AM



#40
Benzene
Concen: 47.292 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





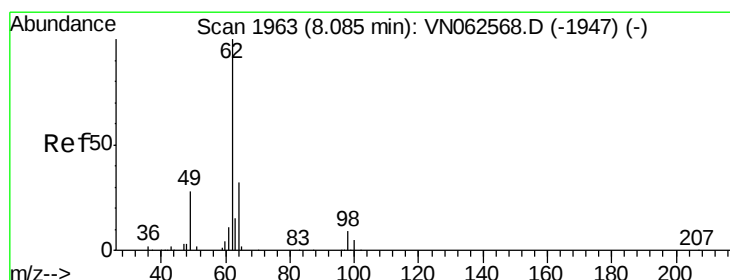
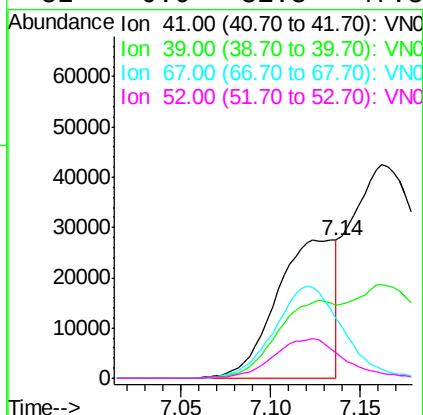
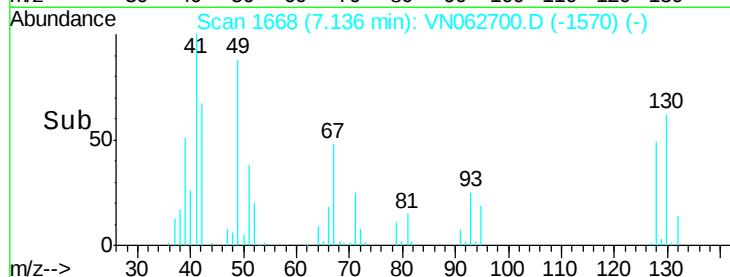
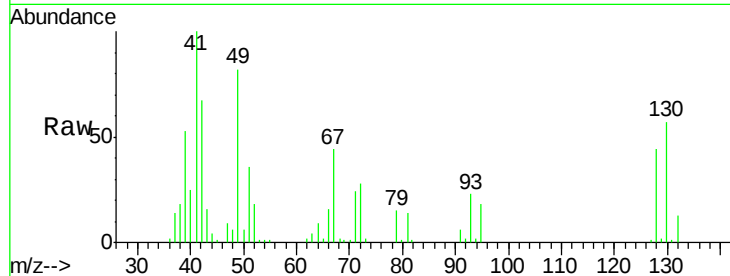
#41
Methacrylonitrile
Concen: 54.953 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. 0.02 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.8	83.6#
67	0.0	72.5	108.7#
52	0.0	31.8	47.8#

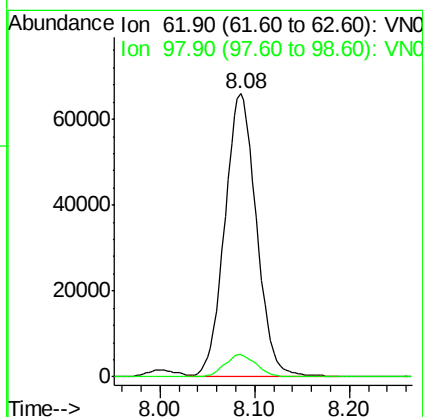
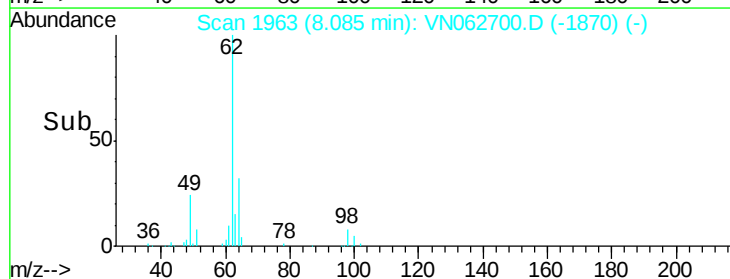
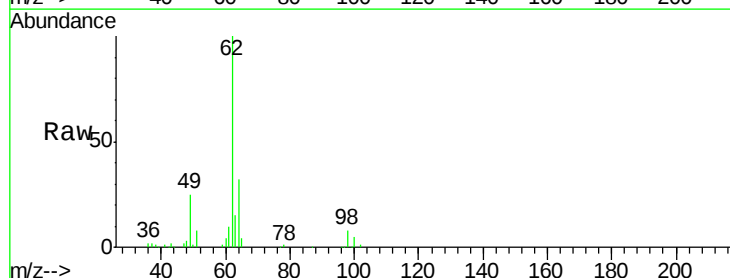
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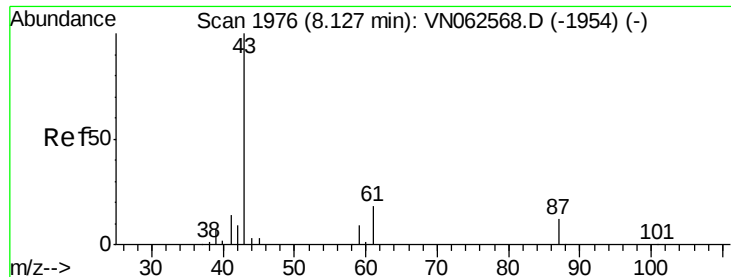
MMDadoda
8/3/2020 9:32:18 AM



#42
1,2-Dichloroethane
Concen: 55.135 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.2





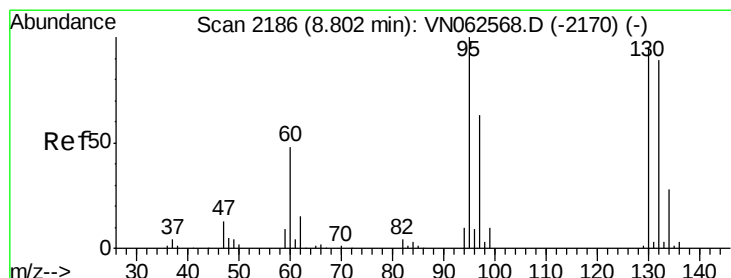
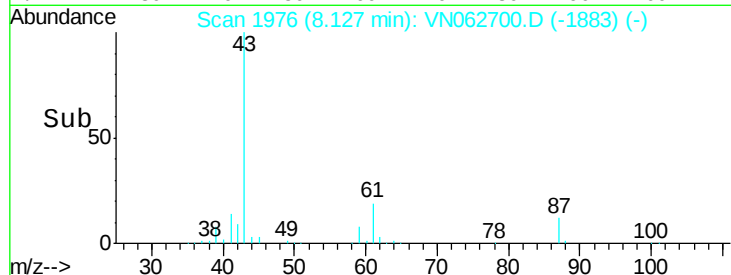
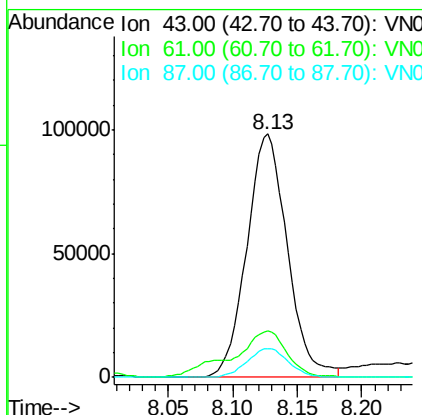
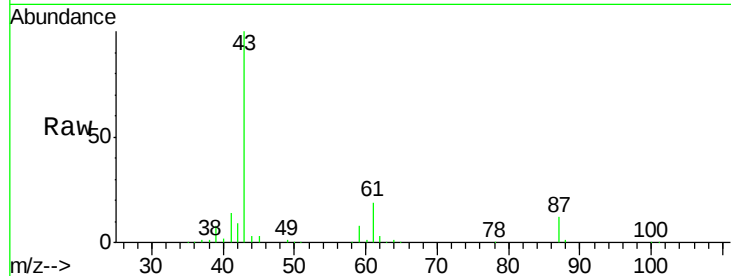
#43
Isopropyl Acetate
Concen: 49.796 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	20.8	31.2#
87	12.0	9.2	13.8

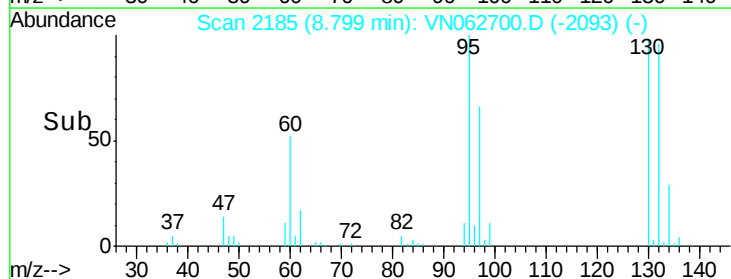
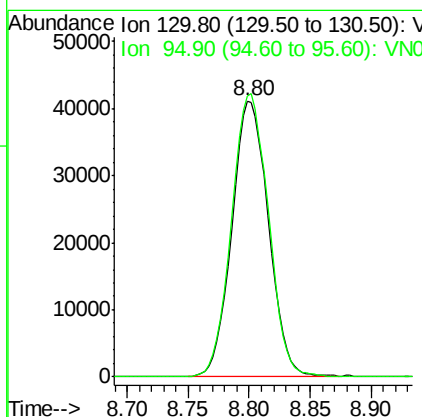
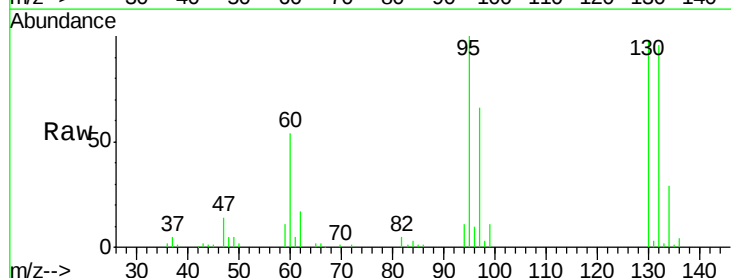
Manual Integrations
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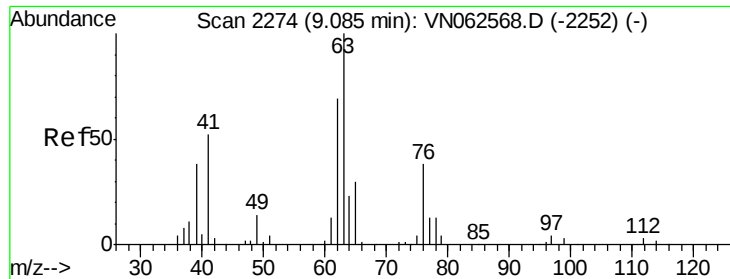
MMDadoda
8/3/2020 9:32:18 AM



#44
Trichloroethene
Concen: 50.190 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	210.4





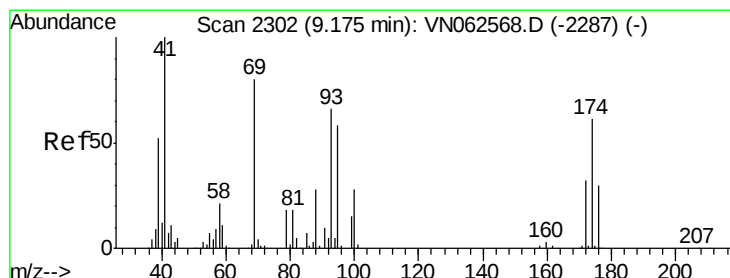
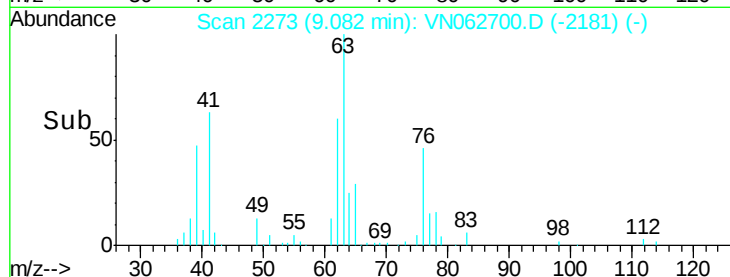
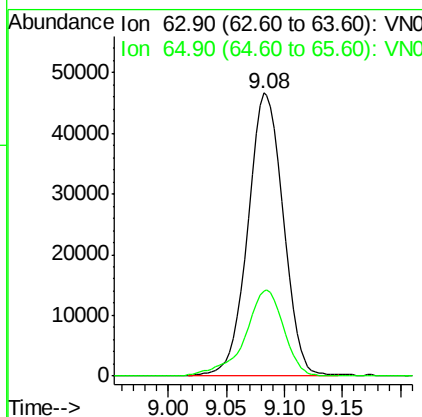
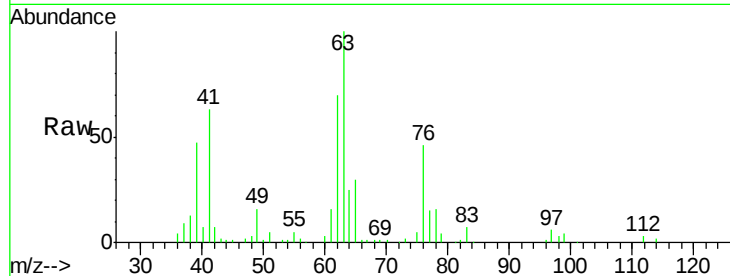
#45
 1,2-Dichloropropane
 Concen: 46.917 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 99557
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.4 36.6

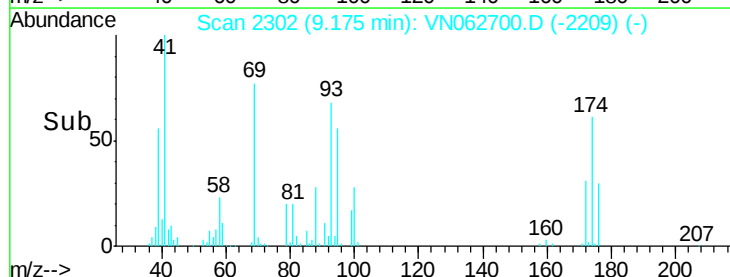
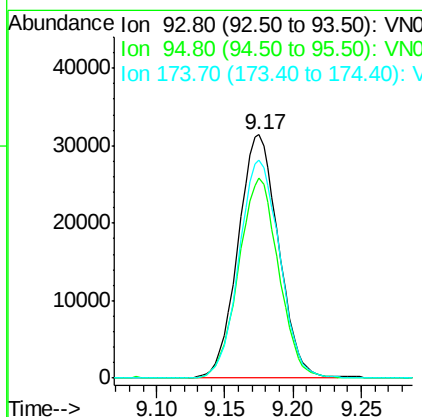
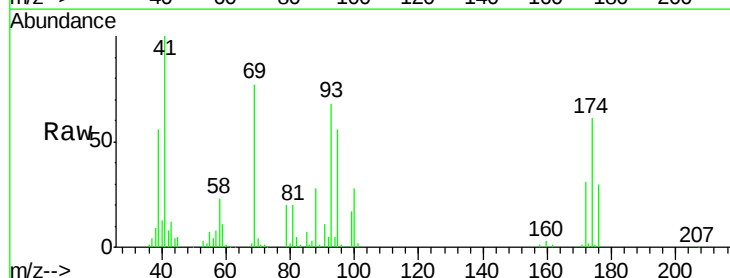
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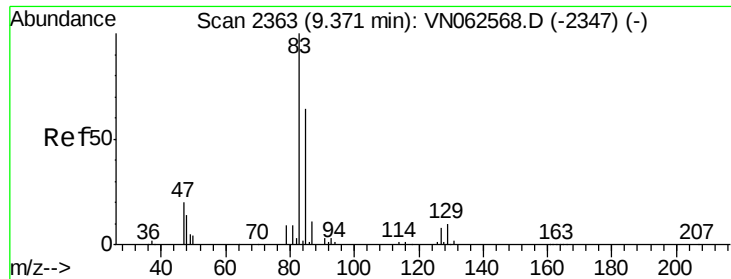
MMDadoda
 8/3/2020 9:32:18 AM



#46
 Dibromomethane
 Concen: 52.710 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Tgt Ion: 93 Resp: 64646
 Ion Ratio Lower Upper
 93 100
 95 81.3 67.6 101.4
 174 89.9 72.5 108.7





#47

Bromodichloromethane

Concen: 53.010 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

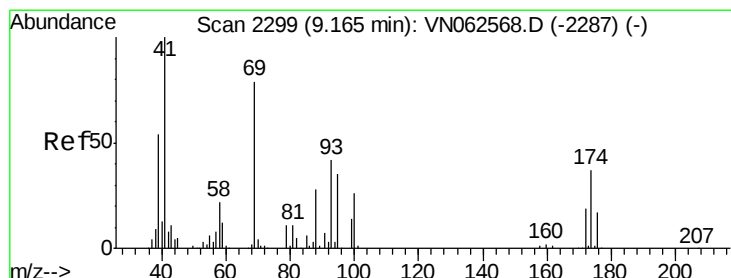
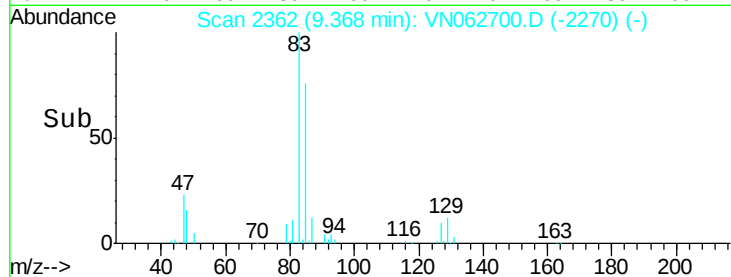
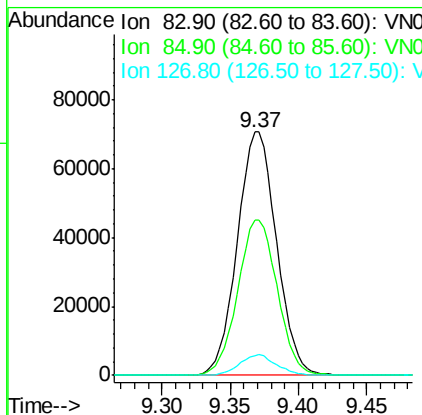
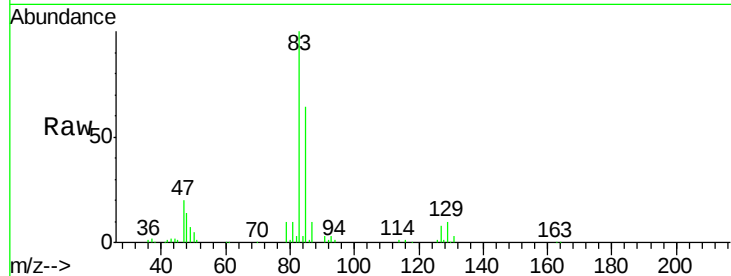
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	140850
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.6	77.4
127	8.3	6.2	9.2

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#48

Methyl methacrylate

Concen: 51.482 ug/l

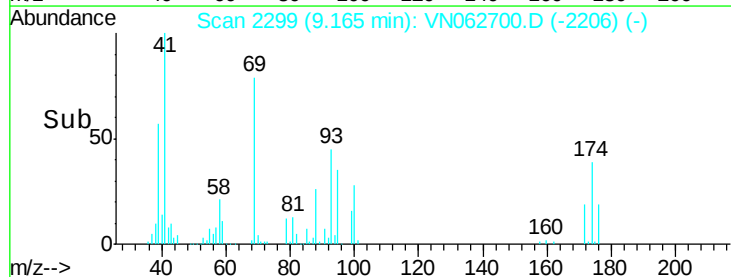
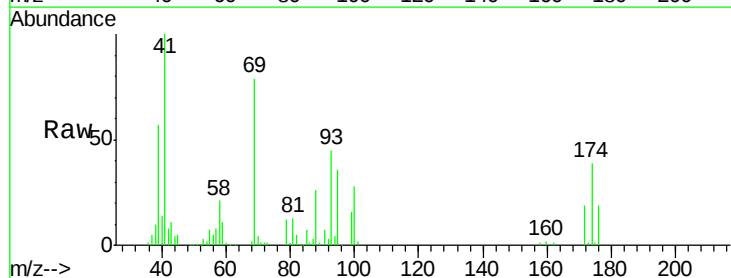
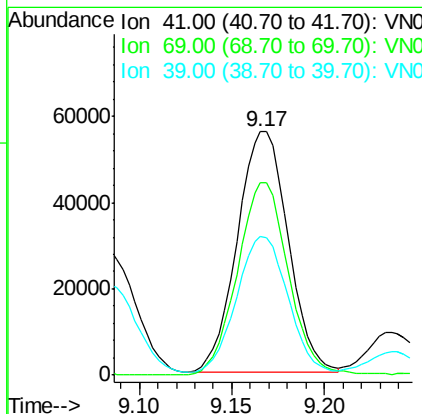
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Tgt Ion:	41	Resp:	106164
Ion	Ratio	Lower	Upper
41	100		
69	80.3	64.4	96.6
39	59.3	43.5	65.3





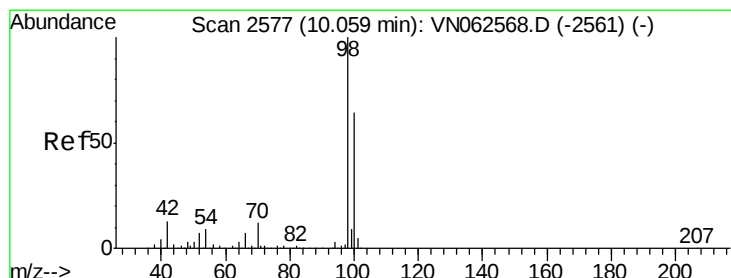
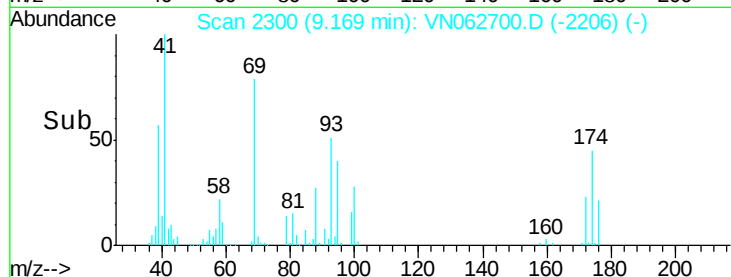
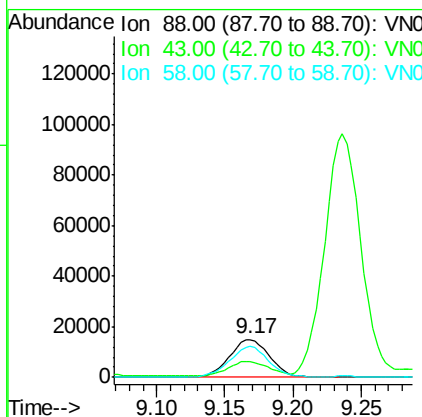
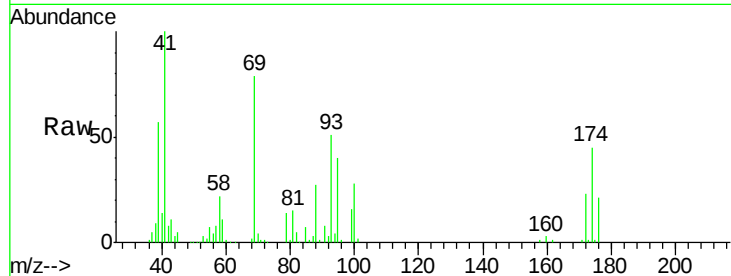
#49
1,4-Dioxane
Concen: 968.095 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	32.0	48.0
58	80.4	62.8	94.2

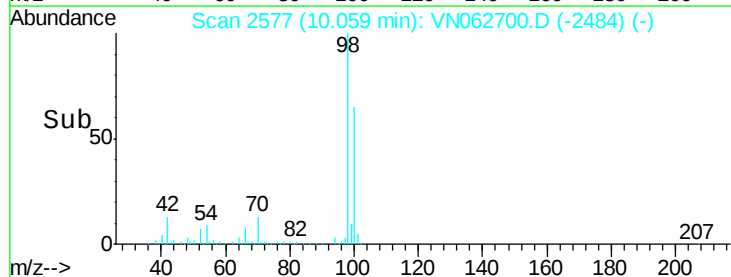
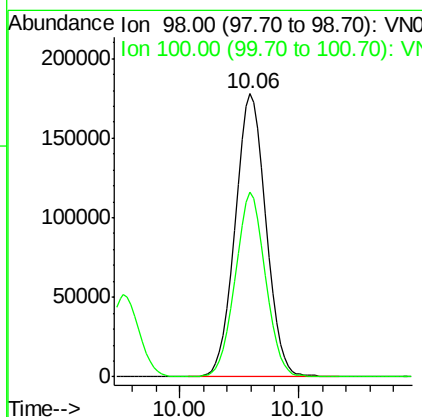
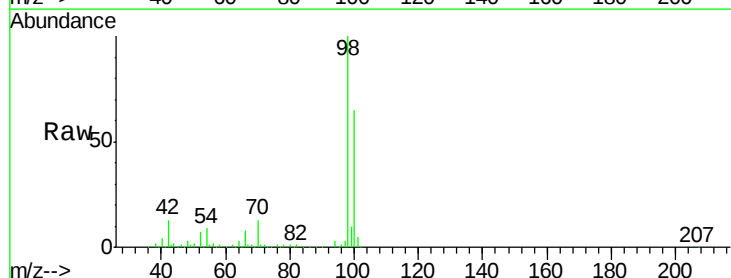
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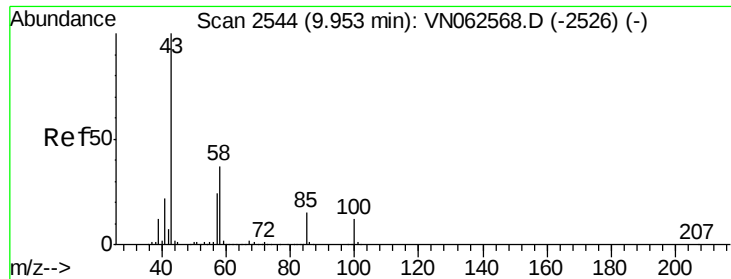
MMDadoda
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#50
Toluene-d8
Concen: 51.928 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 261.846 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 679657

Ion Ratio Lower Upper

43 100

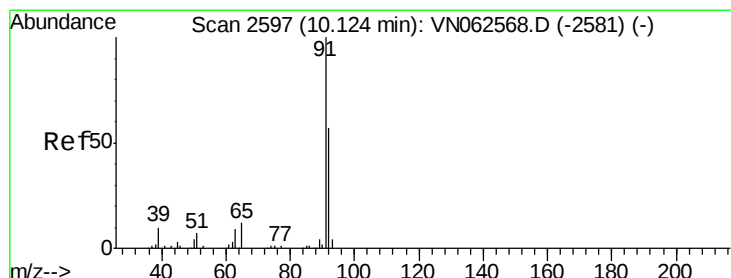
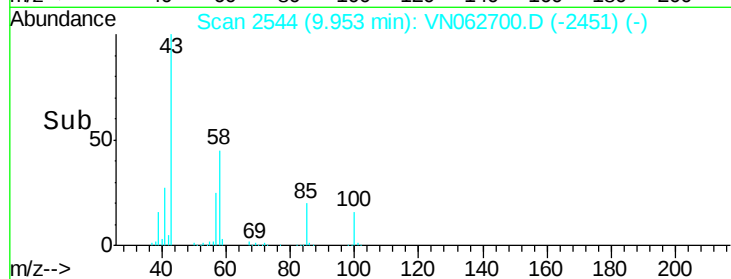
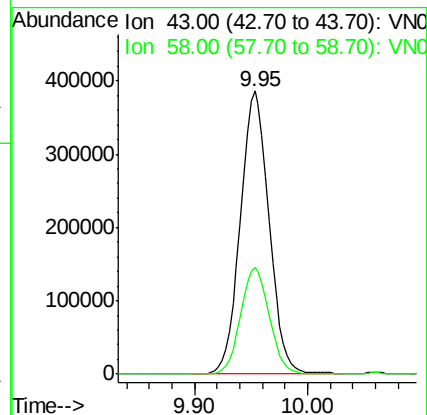
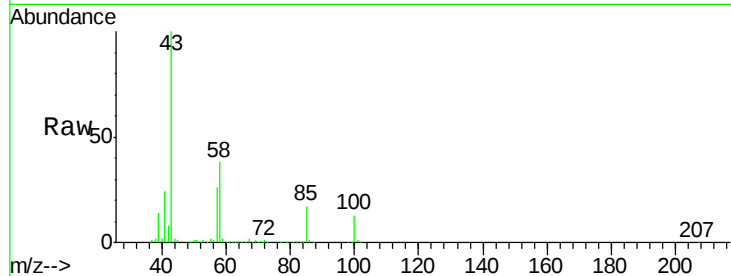
58 37.9 29.8 44.6

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#52

Toluene

Concen: 51.470 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062700.D

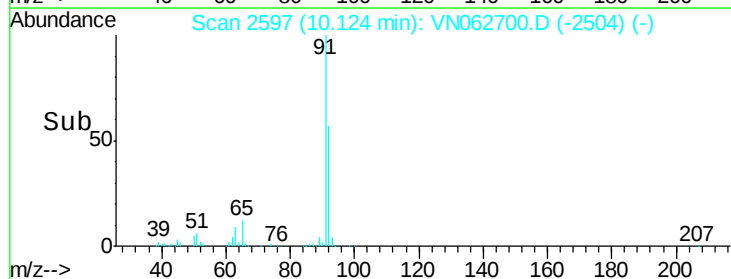
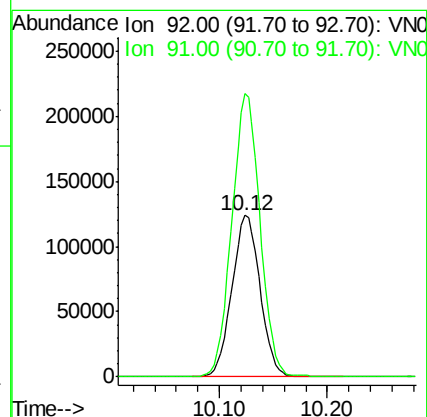
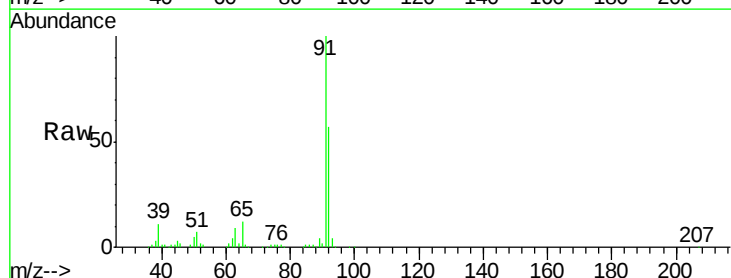
Acq: 31 Jul 2020 21:33

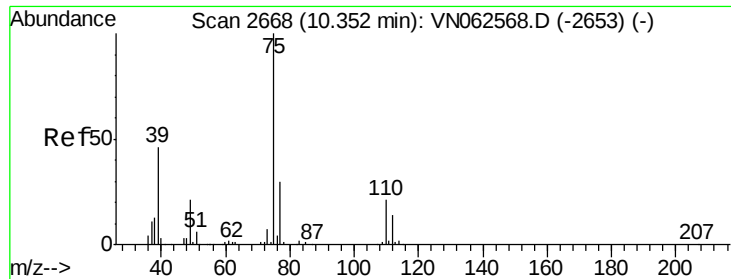
Tgt Ion: 92 Resp: 225879

Ion Ratio Lower Upper

92 100

91 175.5 139.4 209.2





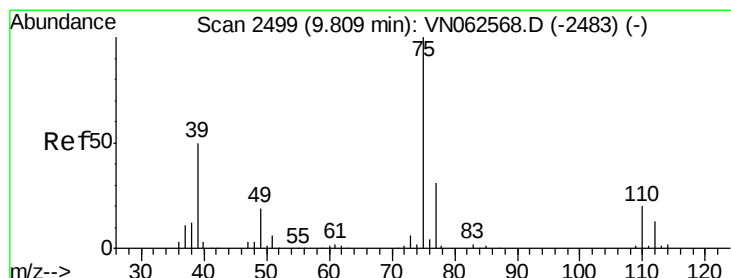
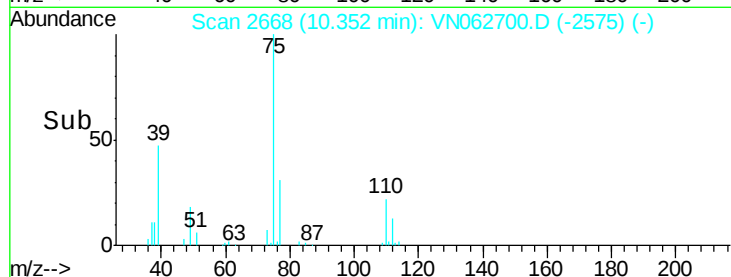
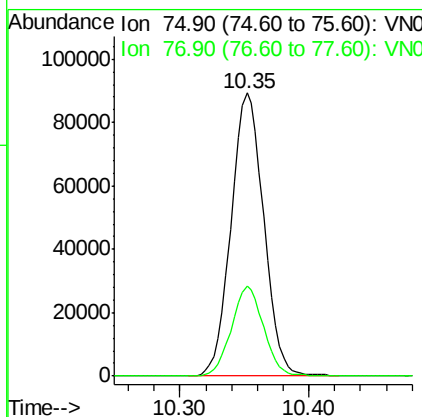
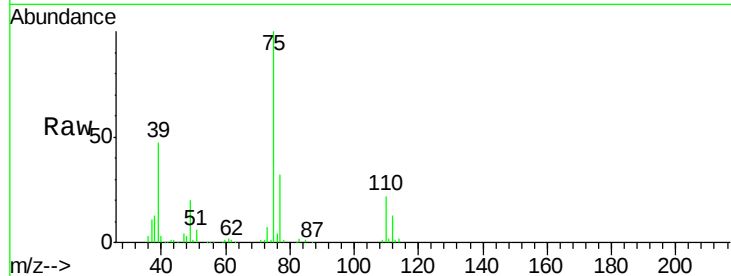
#53
t-1,3-Dichloropropene
Concen: 53.192 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.3	36.5

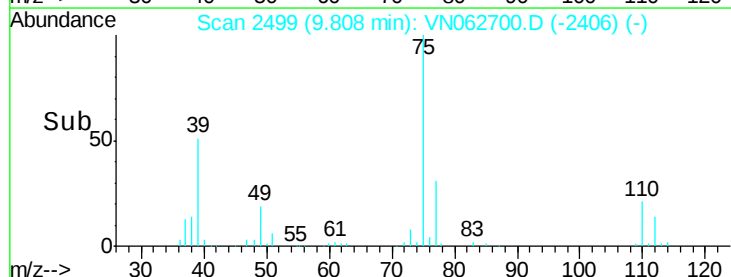
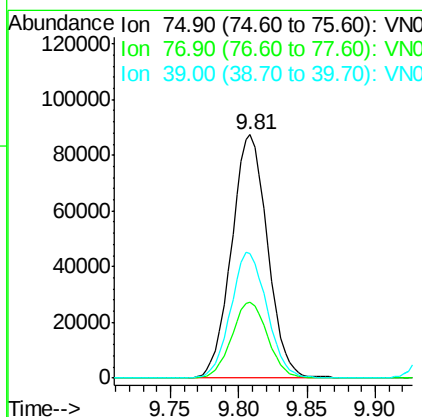
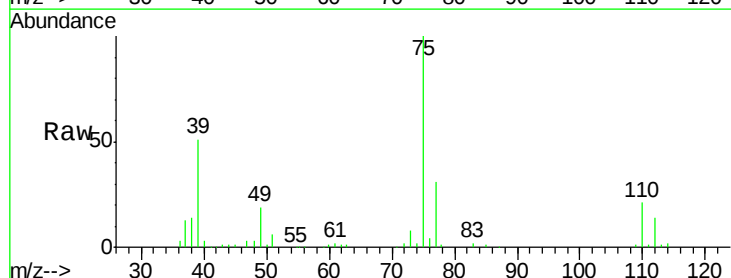
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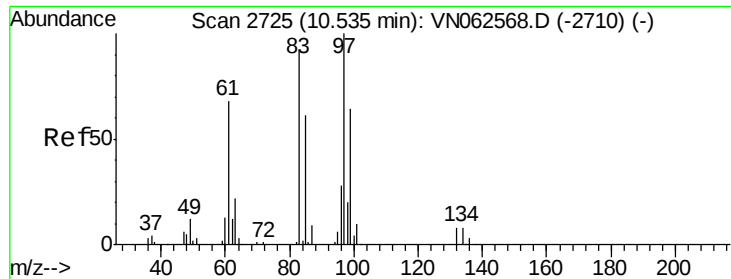
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#54
cis-1,3-Dichloropropene
Concen: 50.520 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6
39	51.0	39.8	59.8





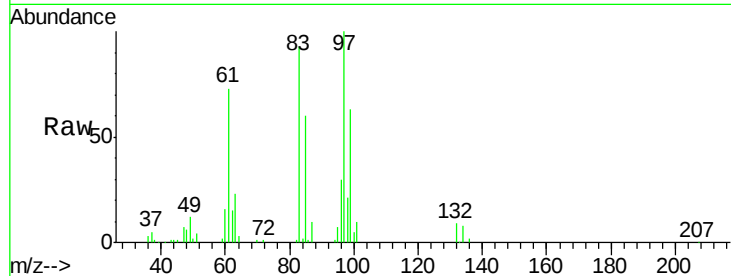
#55
 1,1,2-Trichloroethane
 Concen: 52.547 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	89449
Ion	Ratio	Lower	Upper
97	100		
83	92.6	73.7	110.5
85	60.0	48.5	72.7
99	62.7	50.8	76.2

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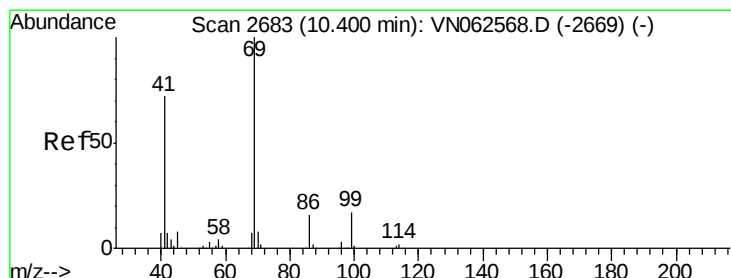
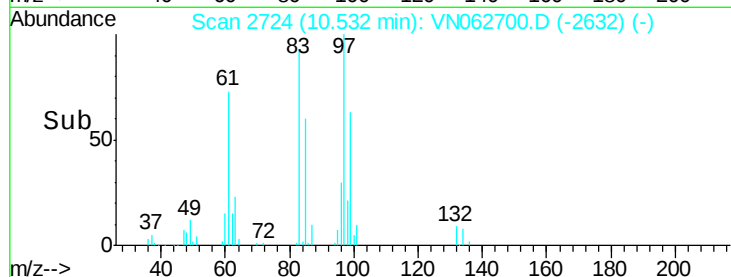
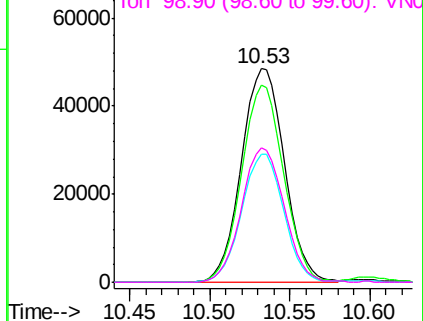


Abundance Ion 96.90 (96.60 to 97.60): VN062700.D (-2632) (-)

Ion 82.90 (82.60 to 83.60): VN062700.D (-2632) (-)

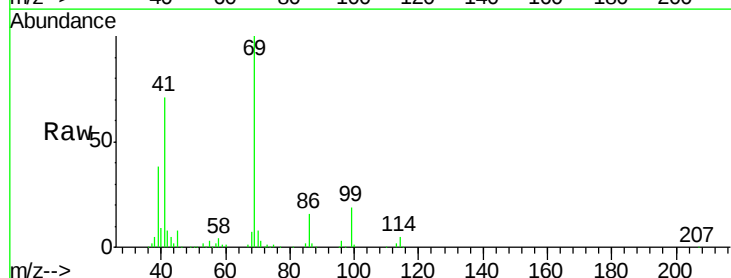
Ion 84.90 (84.60 to 85.60): VN062700.D (-2632) (-)

Ion 98.90 (98.60 to 99.60): VN062700.D (-2632) (-)



#56
 Ethyl methacrylate
 Concen: 49.128 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

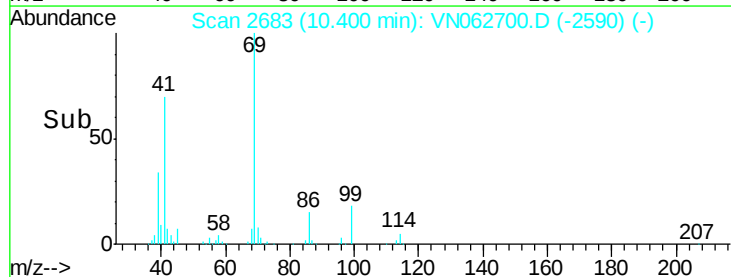
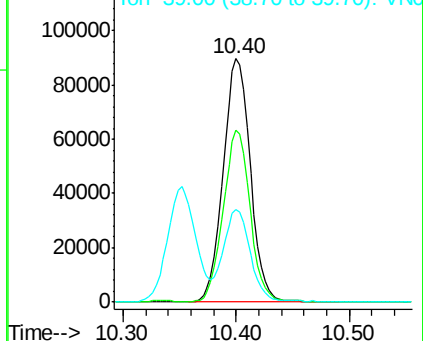
Tgt Ion:	69	Resp:	150067
Ion	Ratio	Lower	Upper
69	100		
41	69.2	57.2	85.8
39	38.0	28.6	43.0

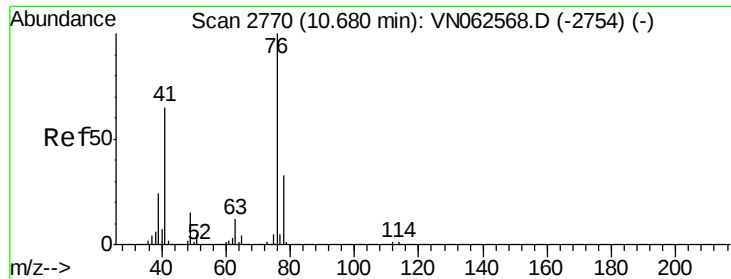


Abundance Ion 69.00 (68.70 to 69.70): VN062700.D (-2590) (-)

Ion 41.00 (40.70 to 41.70): VN062700.D (-2590) (-)

Ion 39.00 (38.70 to 39.70): VN062700.D (-2590) (-)





#57

1,3-Dichloropropane

Concen: 51.818 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 161598

Ion Ratio Lower Upper

76 100

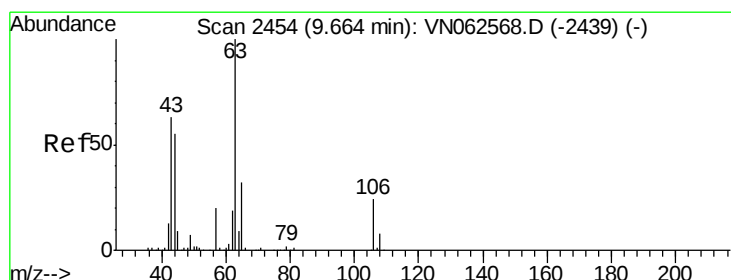
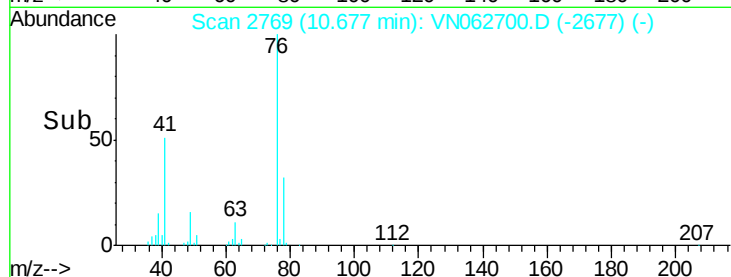
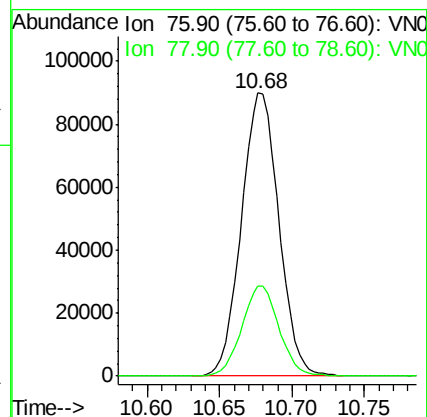
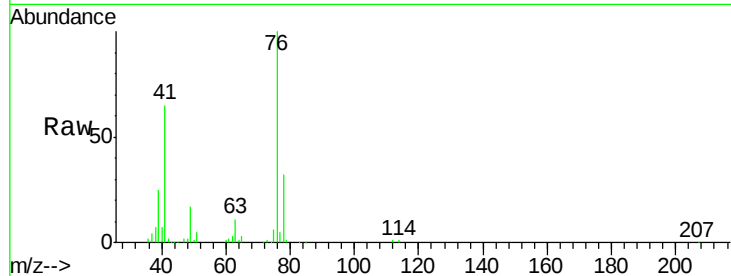
78 31.7 26.3 39.5

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#58

2-Chloroethyl Vinyl ether

Concen: 251.557 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062700.D

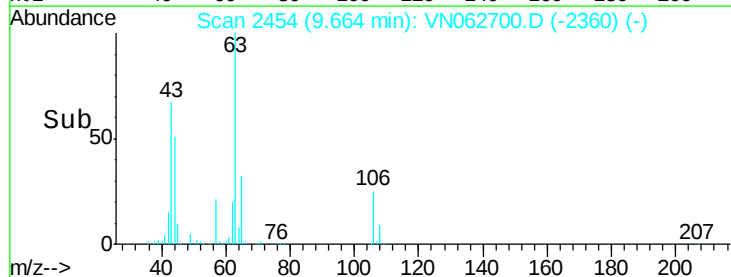
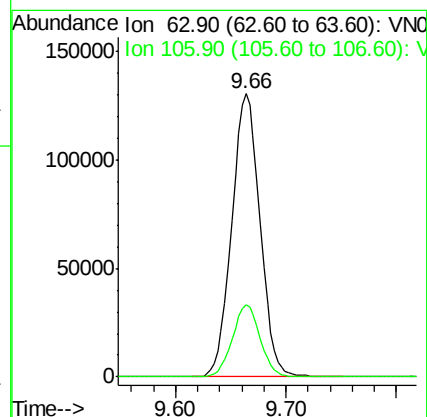
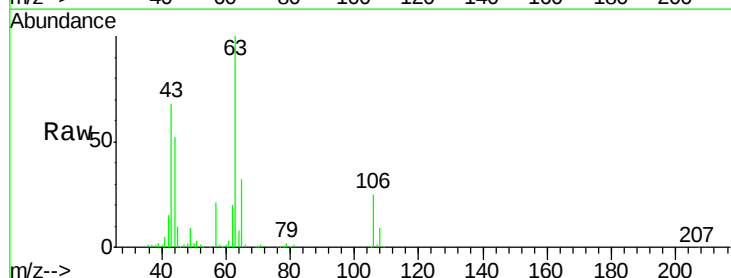
Acq: 31 Jul 2020 21:33

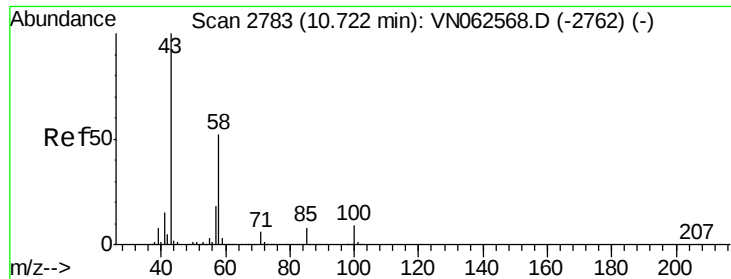
Tgt Ion: 63 Resp: 231828

Ion Ratio Lower Upper

63 100

106 24.9 18.9 28.3





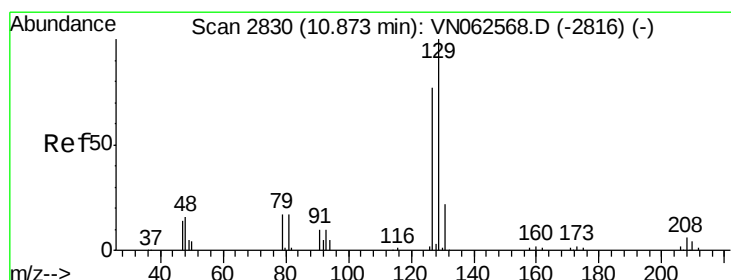
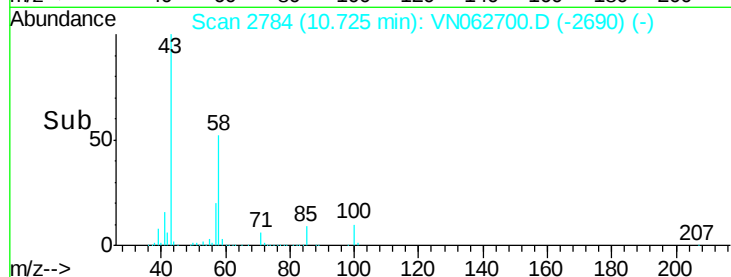
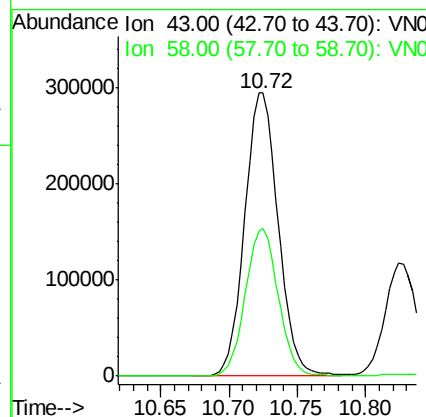
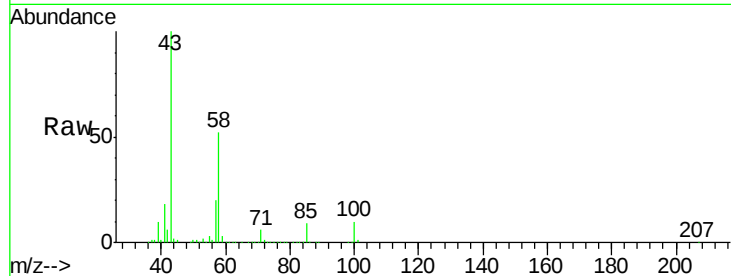
#59
2-Hexanone
Concen: 249.789 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 501417
Ion Ratio Lower Upper
43 100
58 51.5 26.0 78.0

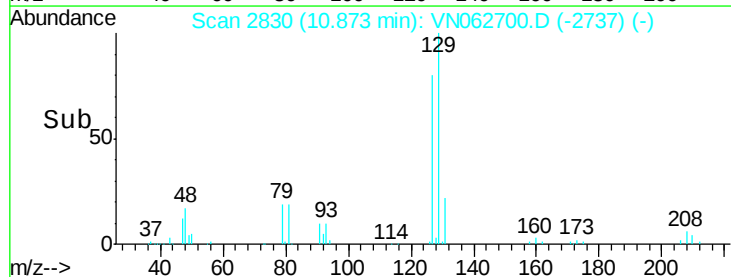
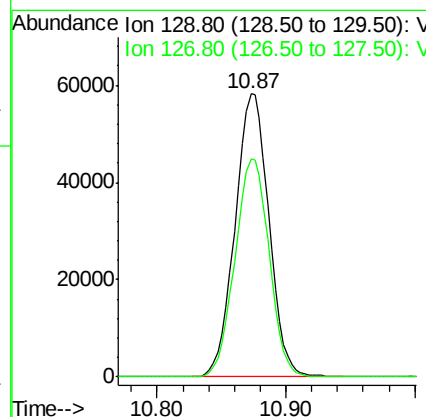
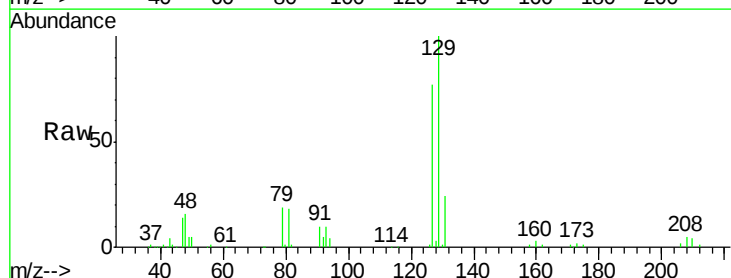
Manual Integrations
APPROVED

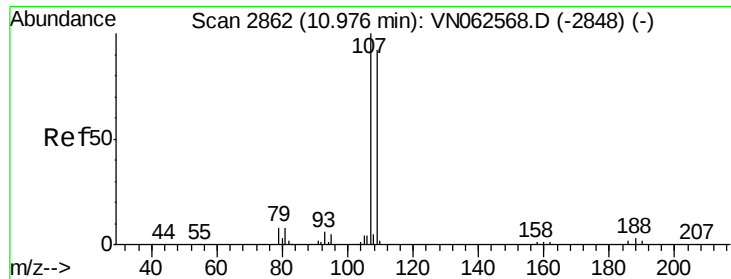
MMDadoda
8/3/2020 9:32:18 AM



#60
Dibromochloromethane
Concen: 55.838 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion: 129 Resp: 106039
Ion Ratio Lower Upper
129 100
127 77.7 38.0 113.9





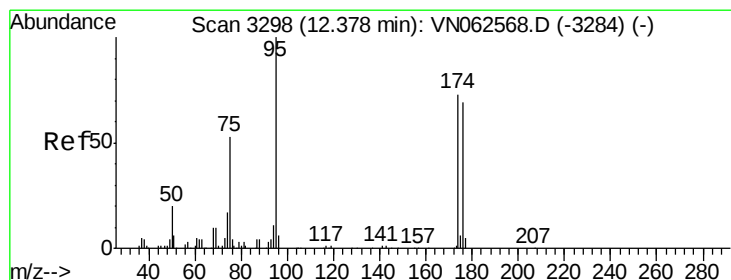
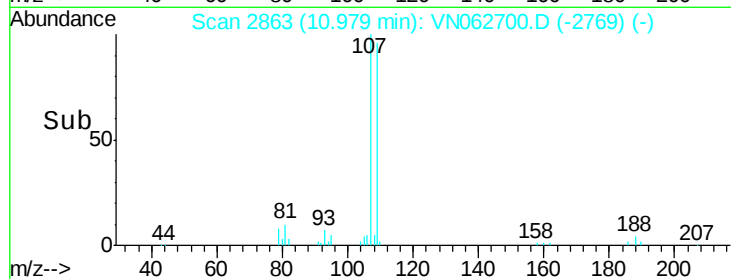
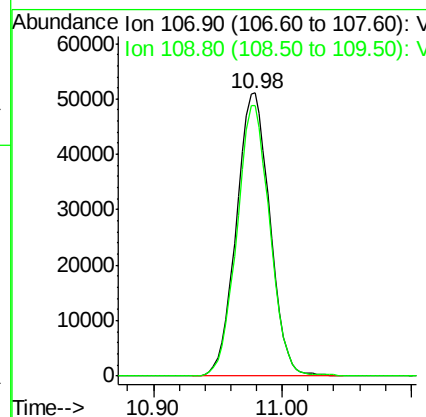
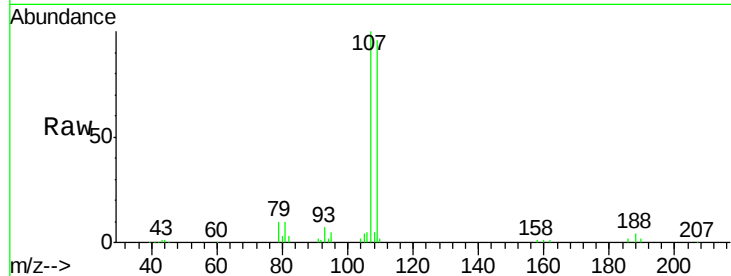
#61
 1,2-Dibromoethane
 Concen: 51.966 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 92113
 Ion Ratio Lower Upper
 107 100
 109 93.8 73.8 110.6

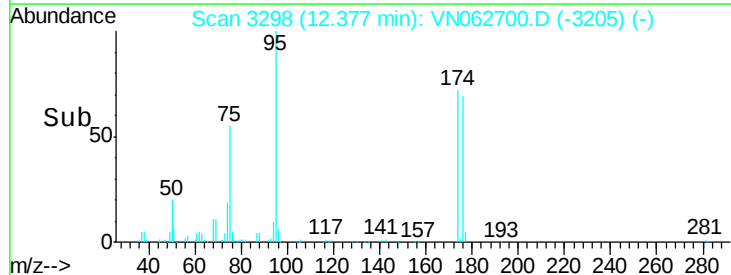
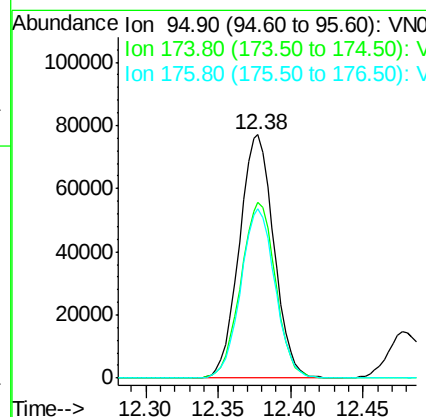
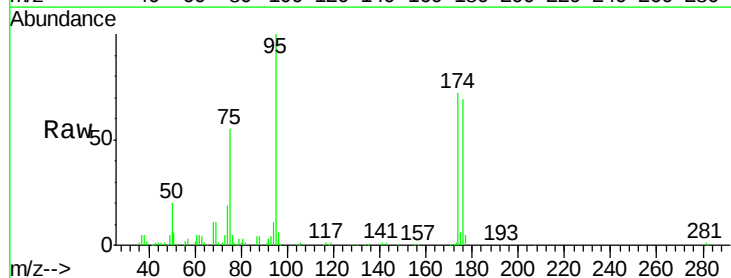
Manual Integrations
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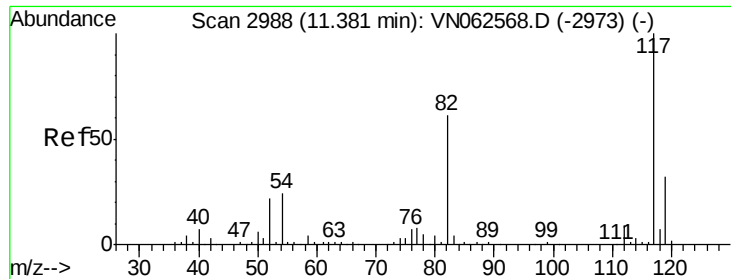
MMDadoda
 8/3/2020 9:32:18 AM



#62
 4-Bromofluorobenzene
 Concen: 56.918 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Tgt Ion: 95 Resp: 127745
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 144.6
 176 68.9 0.0 139.4





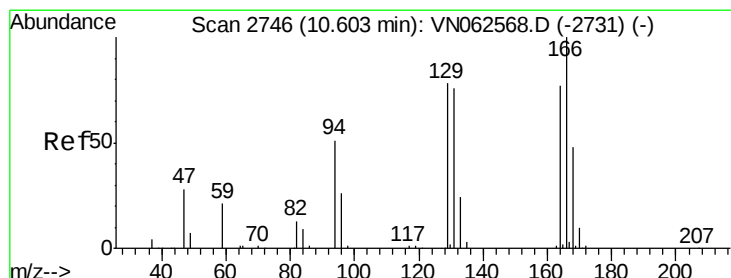
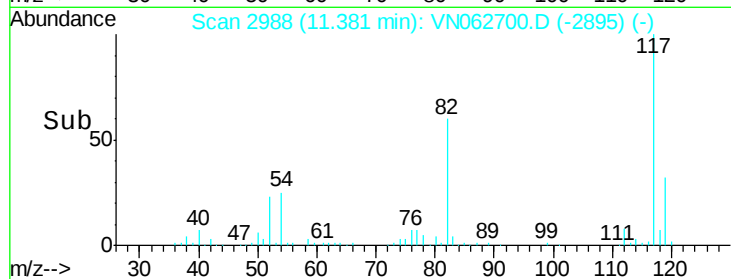
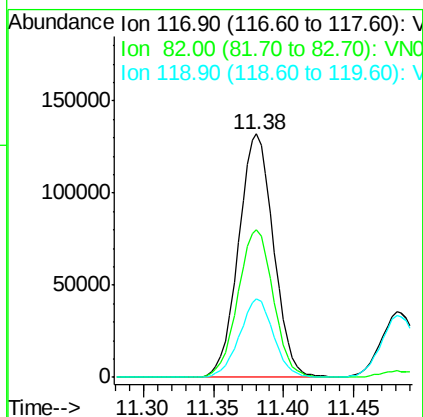
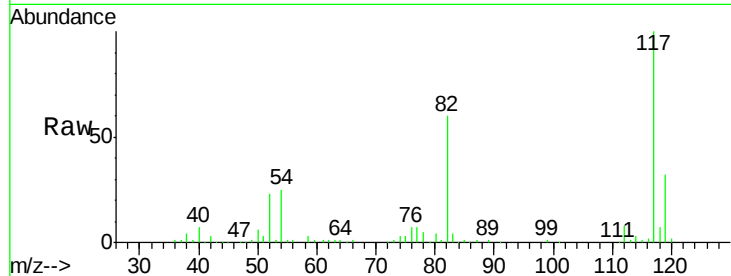
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	49.0	73.6
119	32.5	25.4	38.2

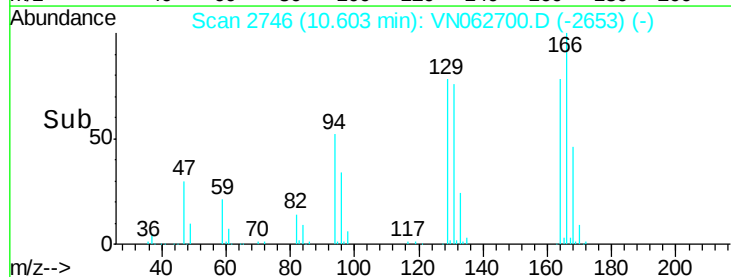
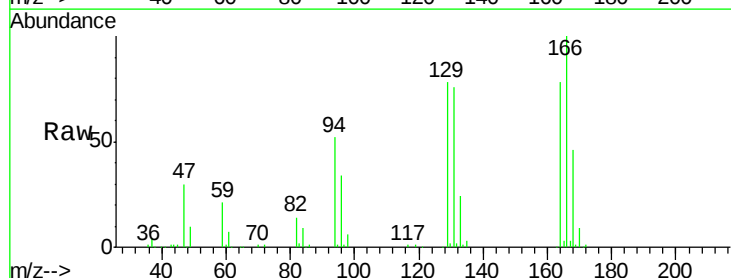
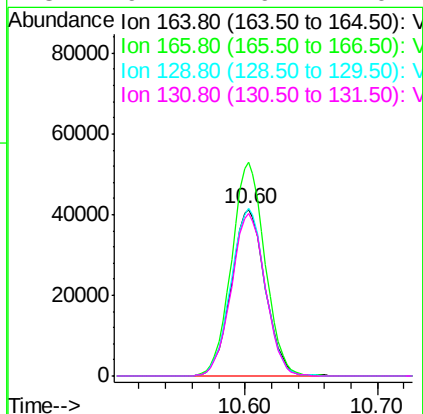
Manual Integrations
APPROVED

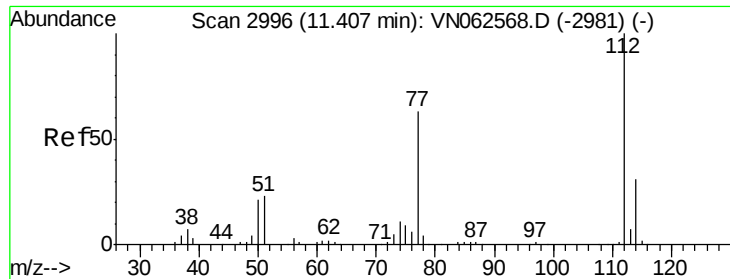
MMDadoda
8/3/2020 9:32:18 AM



#64
Tetrachloroethene
Concen: 49.207 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	104.4	156.6
129	100.3	81.0	121.4
131	97.1	79.4	119.2





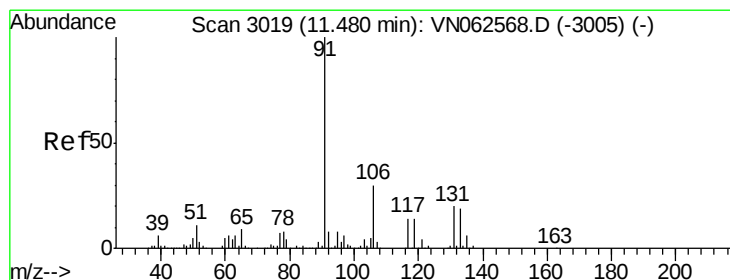
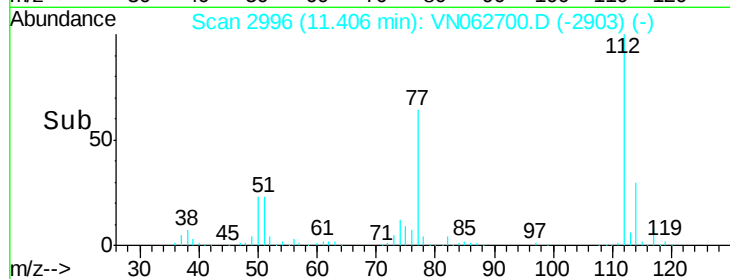
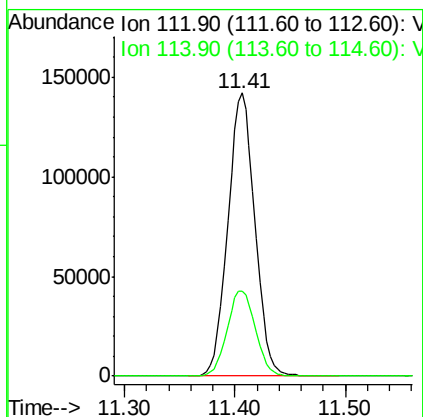
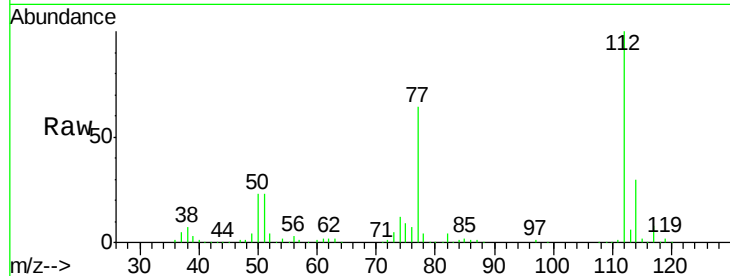
#65
Chlorobenzene
Concen: 49.933 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 240657
Ion Ratio Lower Upper
112 100
114 30.2 25.1 37.7

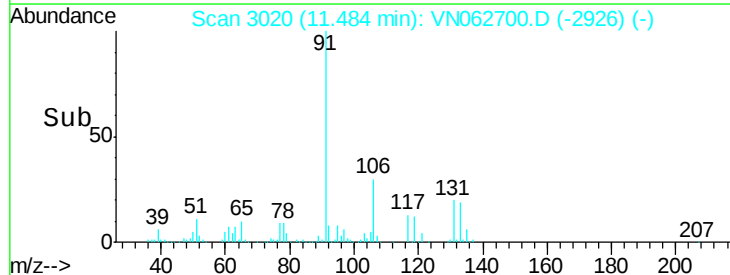
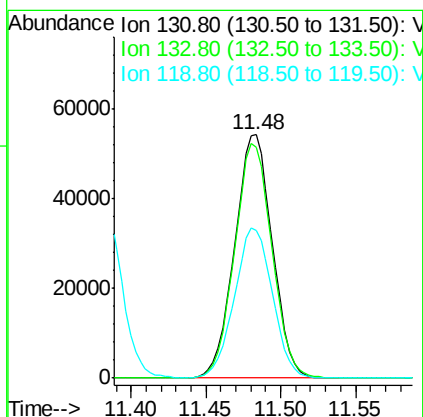
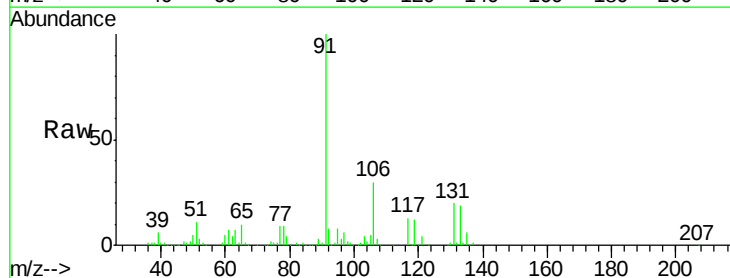
Manual Integrations
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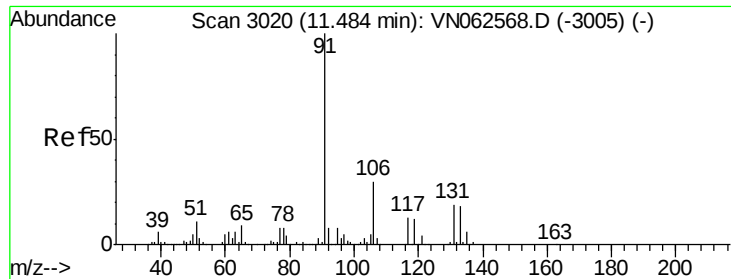
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.402 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion:131 Resp: 95011
Ion Ratio Lower Upper
131 100
133 95.7 47.3 142.0
119 62.3 33.7 101.0





#67

Ethyl Benzene

Concen: 50.389 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 445285

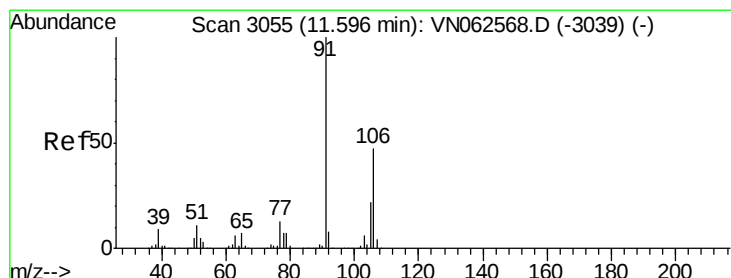
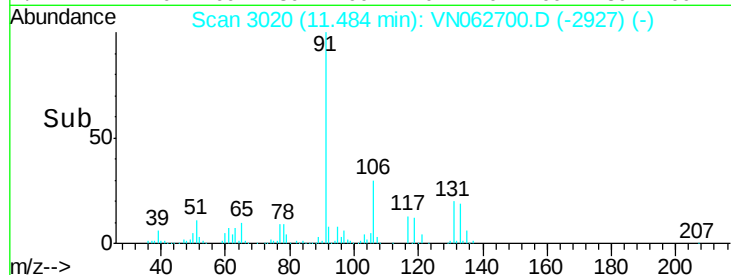
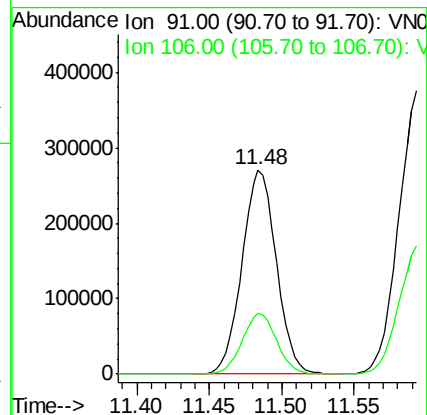
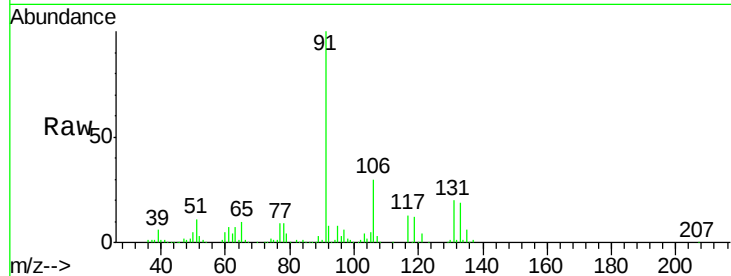
Ion Ratio Lower Upper

91 100

106 29.8 23.8 35.8

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 104.113 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062700.D

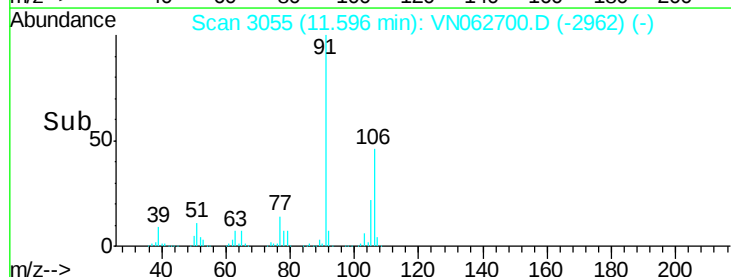
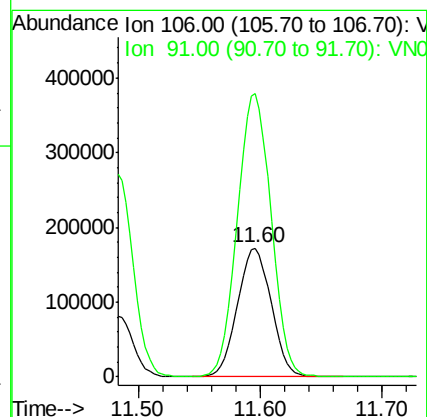
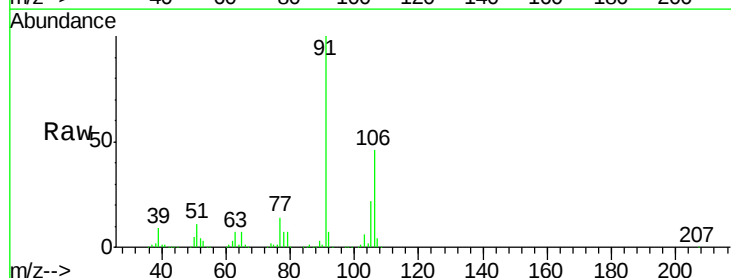
Acq: 31 Jul 2020 21:33

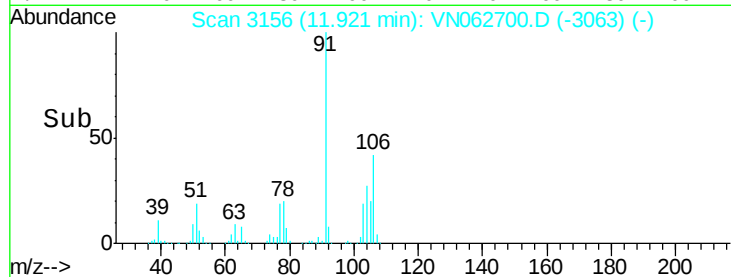
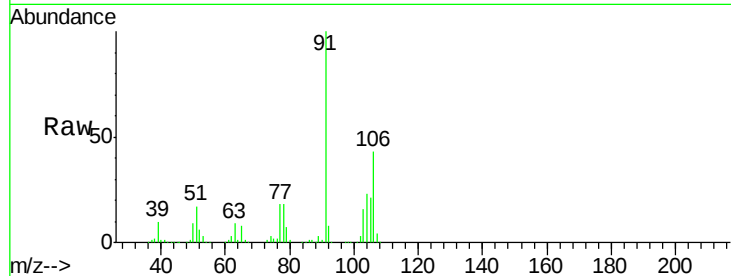
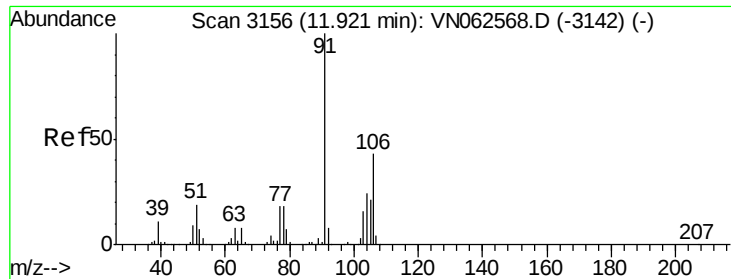
Tgt Ion: 106 Resp: 330687

Ion Ratio Lower Upper

106 100

91 219.2 171.4 257.2





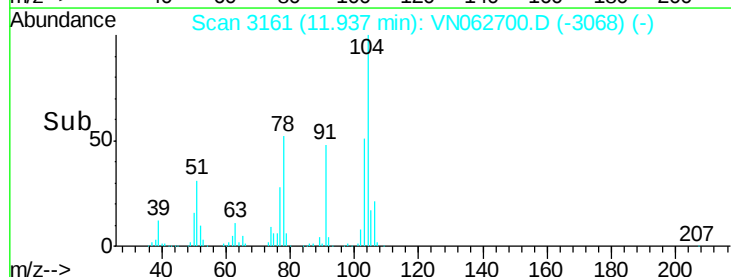
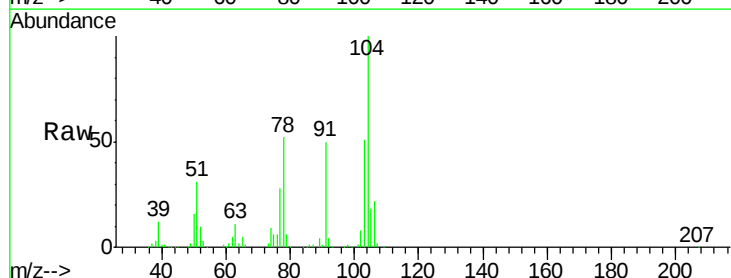
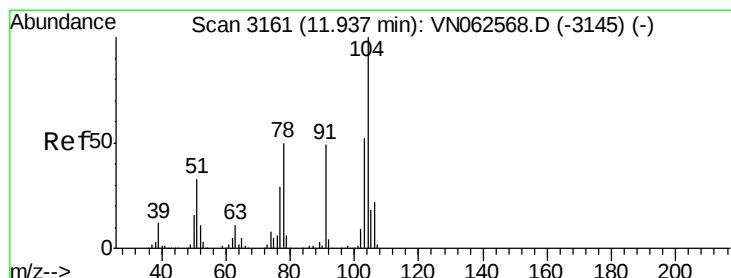
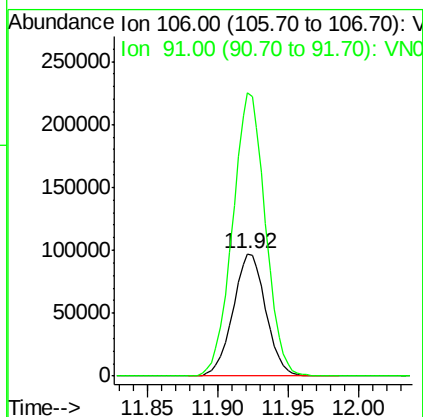
#69
o-Xylene
Concen: 52.352 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tot Ion	Ratio	Resp	Lower	Upper
106	100	157900		
91	231.8	113.8	341.2	

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

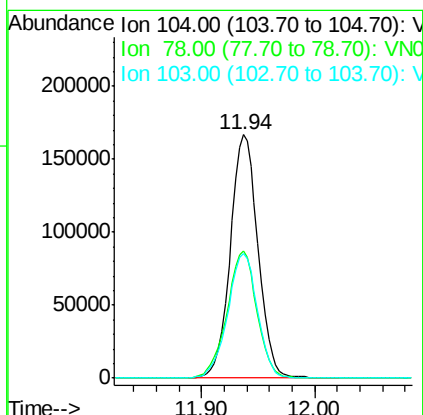
Manual Integrations
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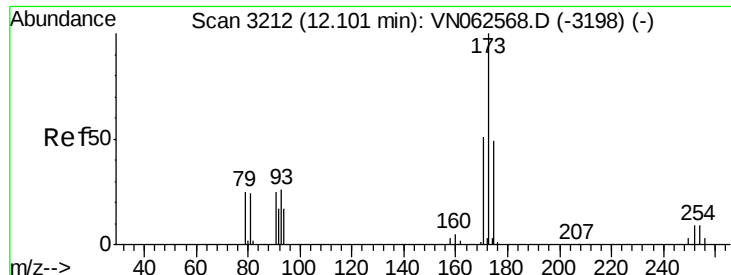
MMDadoda
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#70
Styrene
Concen: 55.700 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	283791		
78	56.6	43.8	65.6	
103	55.2	44.0	66.0	





#71

Bromoform

Concen: 55.207 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

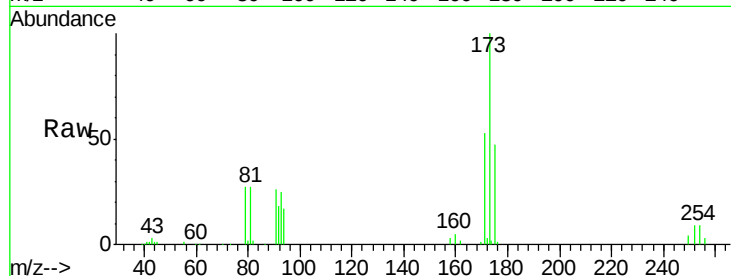
ClientSampleId :

VSTDCCC050

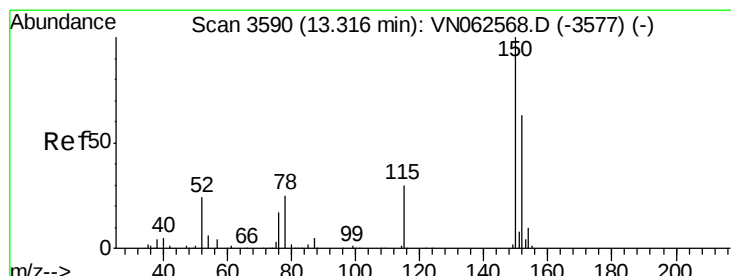
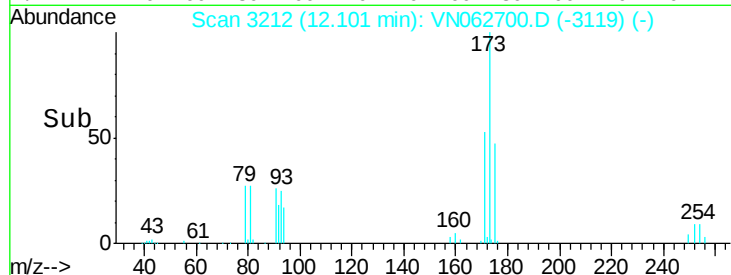
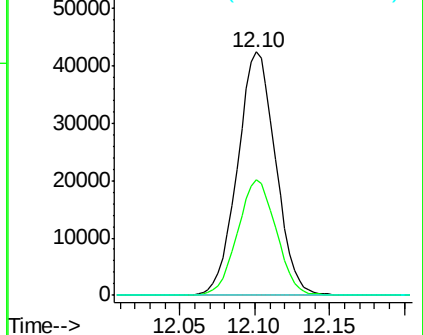
Tot Ion:	173	Resp:	75156
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
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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

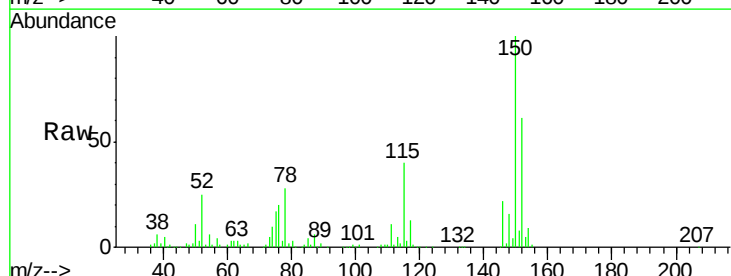
RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

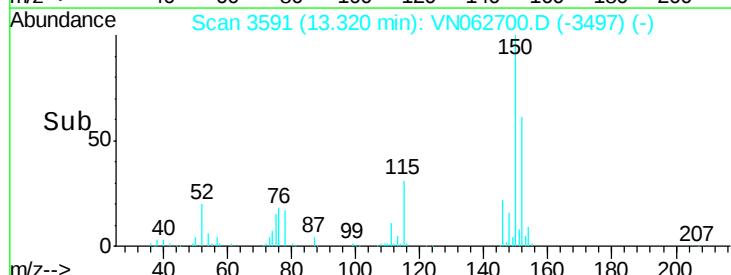
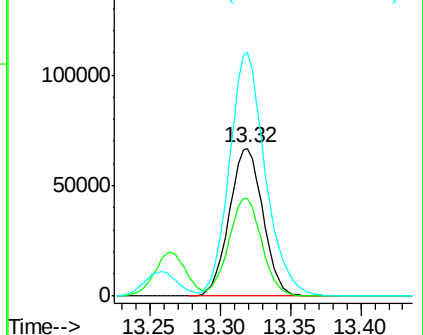
Lab File: VN062700.D

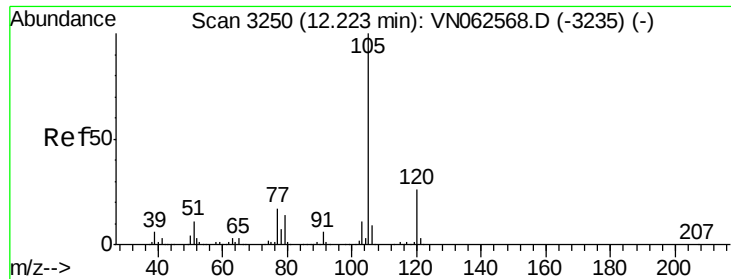
Acq: 31 Jul 2020 21:33

Tgt Ion:	152	Resp:	111801
Ion Ratio	Lower	Upper	
152	100		
115	64.2	31.8	95.4
150	174.9	0.0	351.4



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: 50.156 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 443390

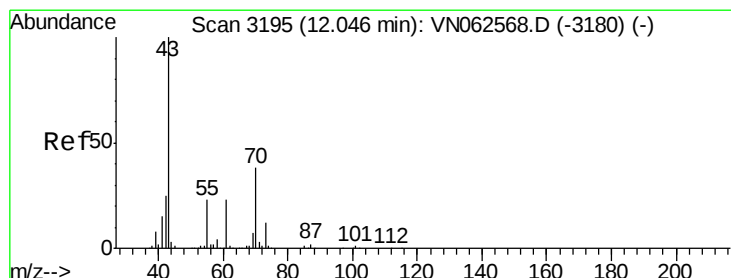
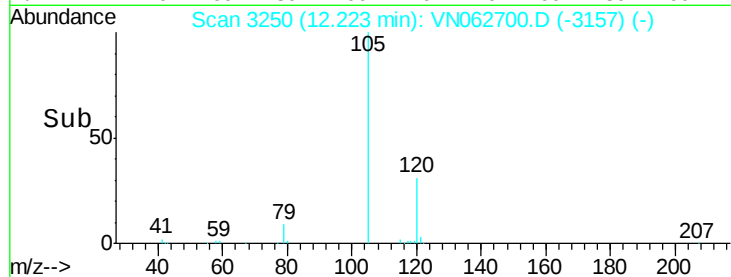
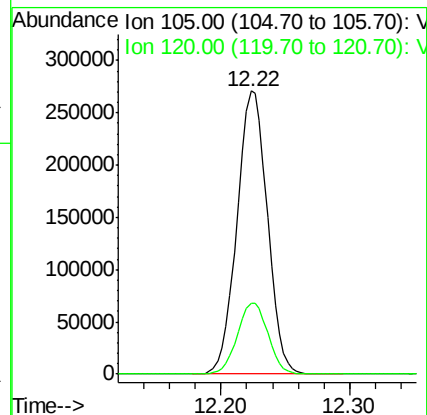
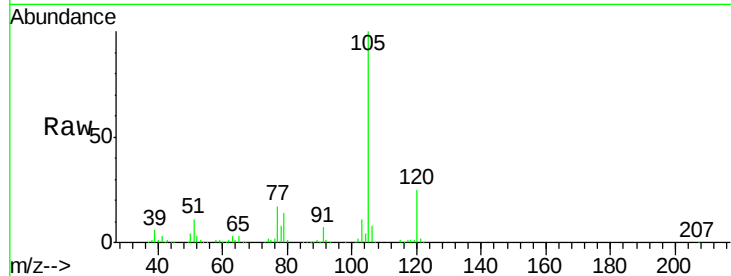
Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 49.004 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Tgt Ion: 43 Resp: 193465

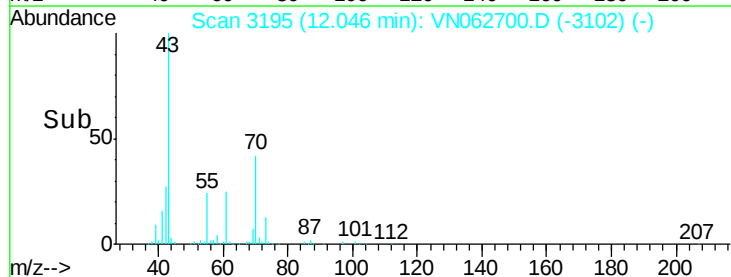
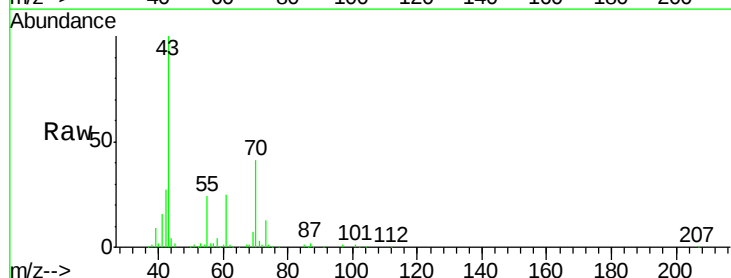
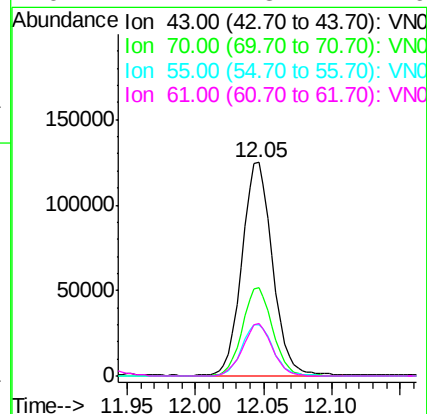
Ion Ratio Lower Upper

43 100

70 41.1 30.5 45.7

55 24.8 19.0 28.6

61 24.1 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.103 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

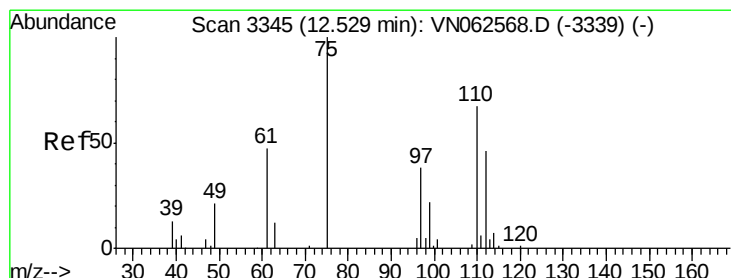
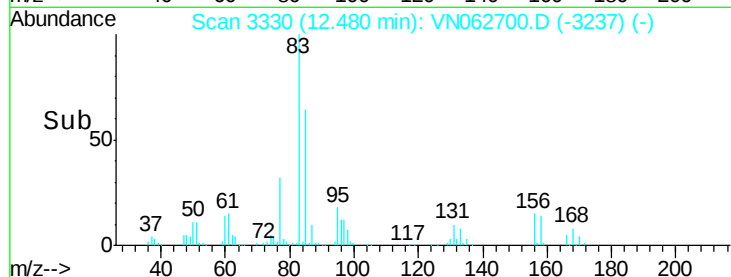
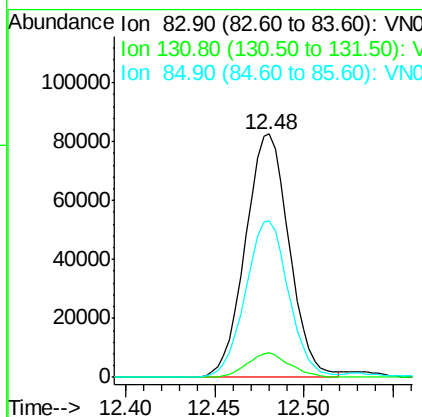
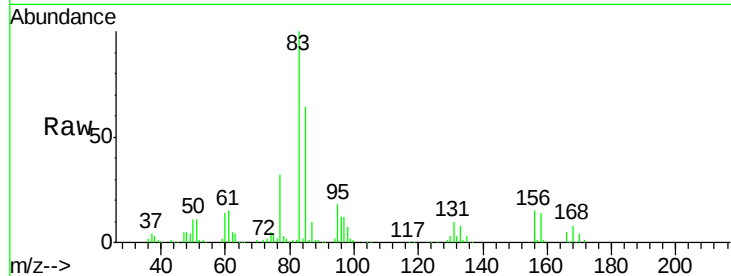
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	141628
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	63.5	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.038 ug/l m

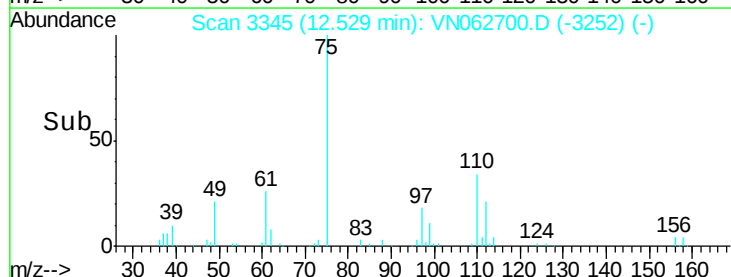
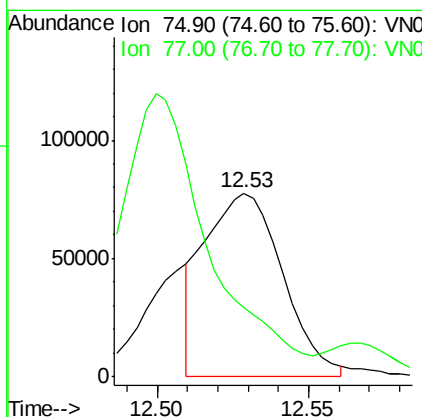
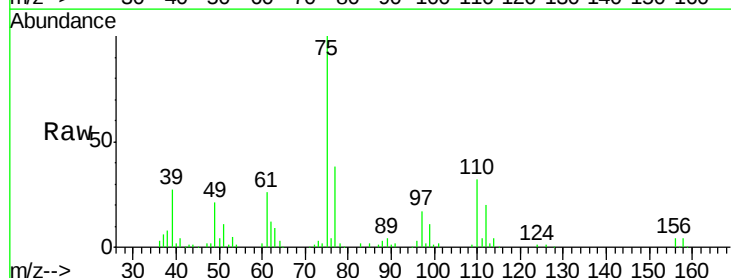
RT: 12.53 min Scan# 3345

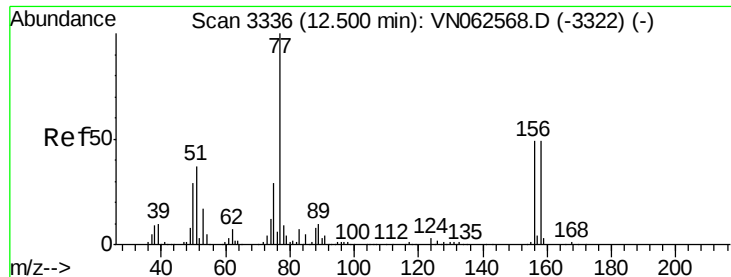
Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Tgt Ion:	75	Resp:	139549
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.782 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

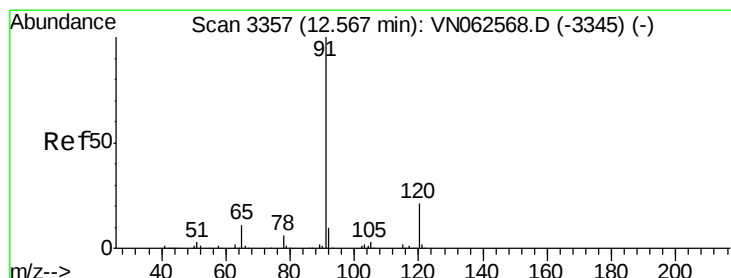
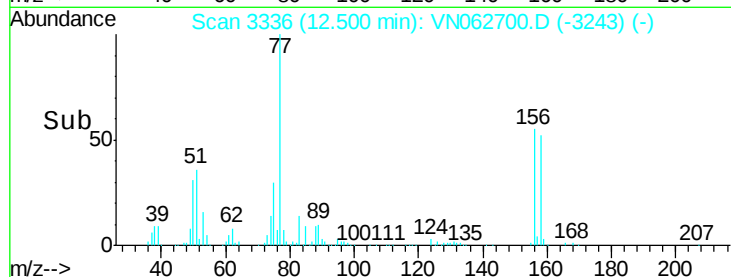
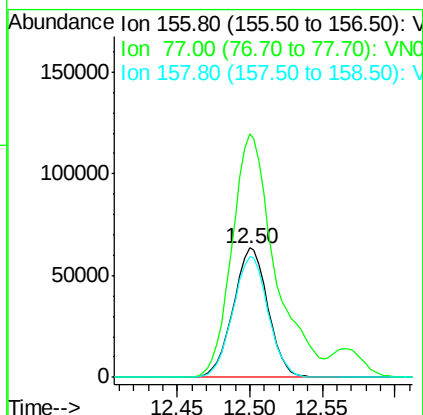
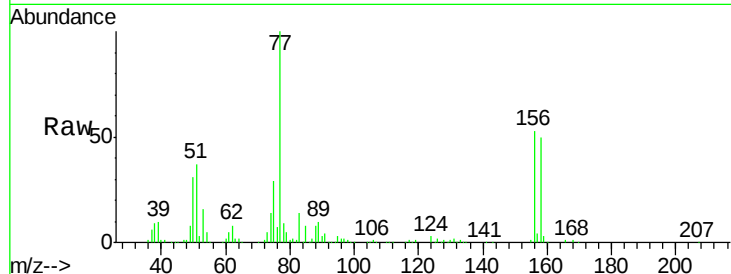
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	232.4	122.8	368.3
158	94.9	49.4	148.0

Manual Integrations
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#78

n-propylbenzene

Concen: 50.655 ug/l

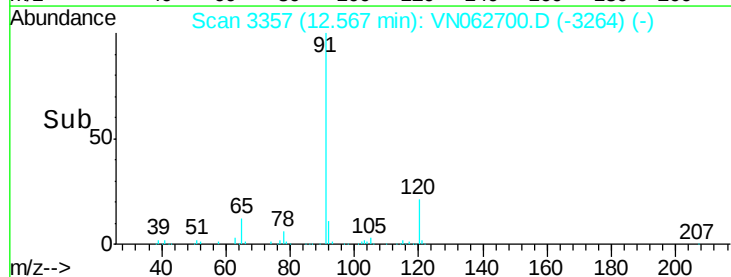
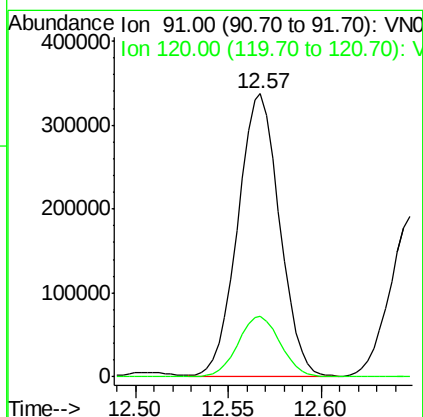
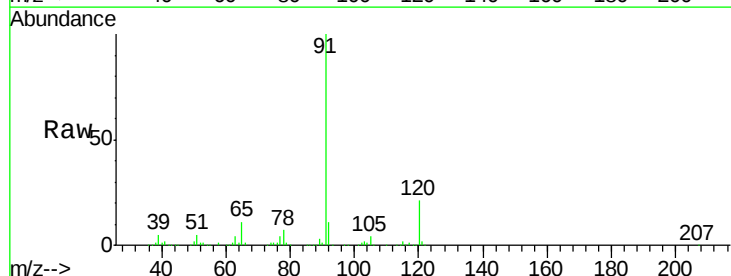
RT: 12.57 min Scan# 3357

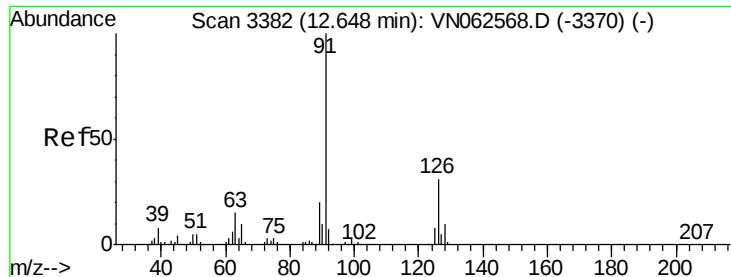
Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6





#79

2-Chlorotoluene

Concen: 49.887 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 318364

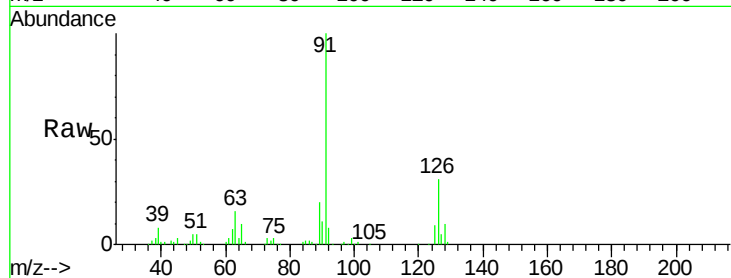
Ion Ratio Lower Upper

91 100

126 31.3 15.9 47.6

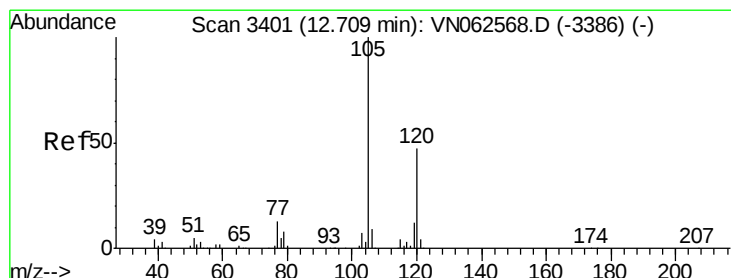
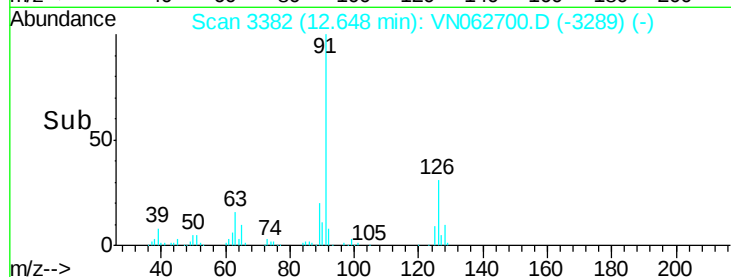
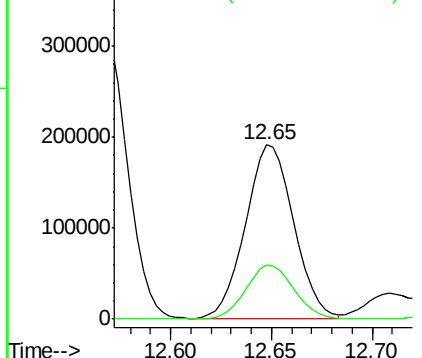
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Abundance Ion 91.00 (90.70 to 91.70): VN062700.D (-3389) (-)

Ion 125.90 (125.60 to 126.60): VN062700.D (-3389) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.085 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062700.D

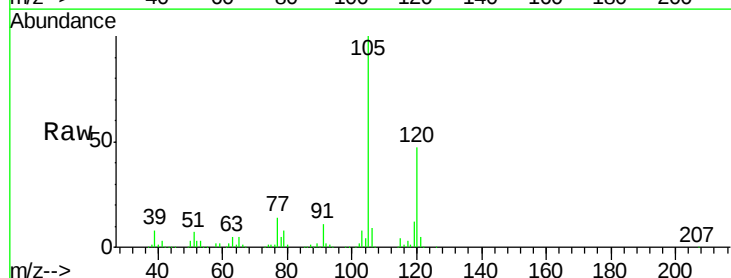
Acq: 31 Jul 2020 21:33

Tgt Ion: 105 Resp: 396599

Ion Ratio Lower Upper

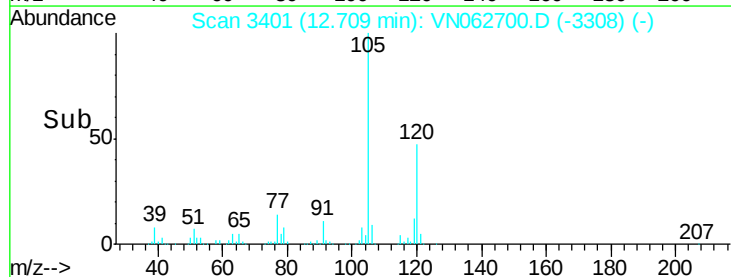
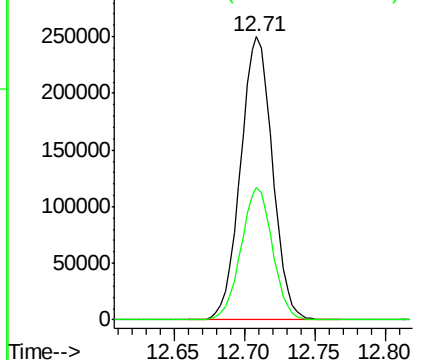
105 100

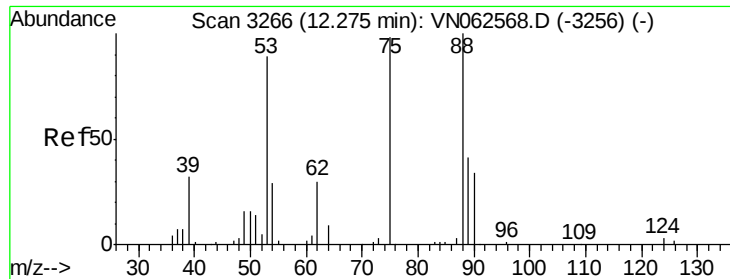
120 46.1 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062700.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN062700.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.054 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

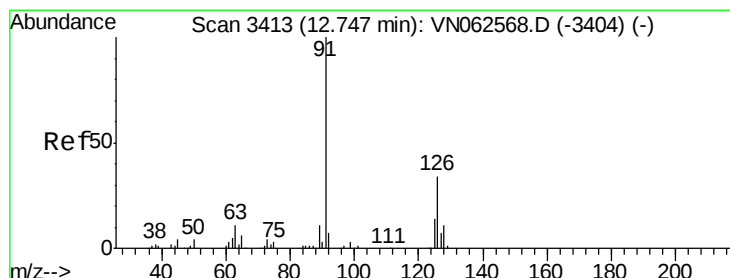
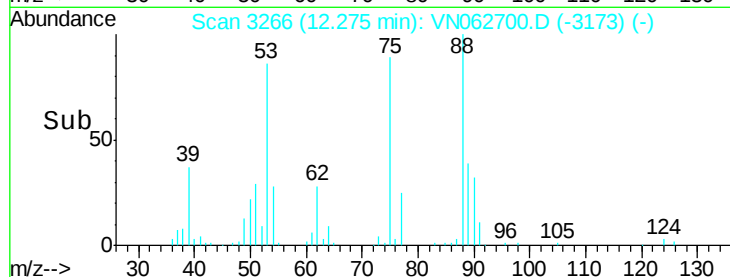
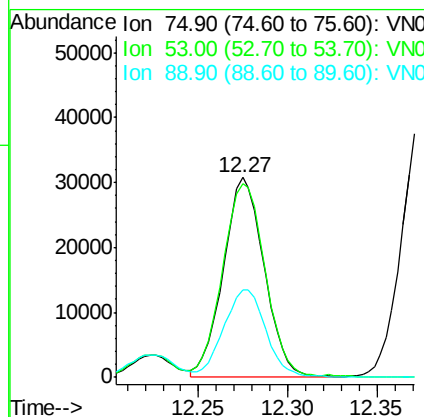
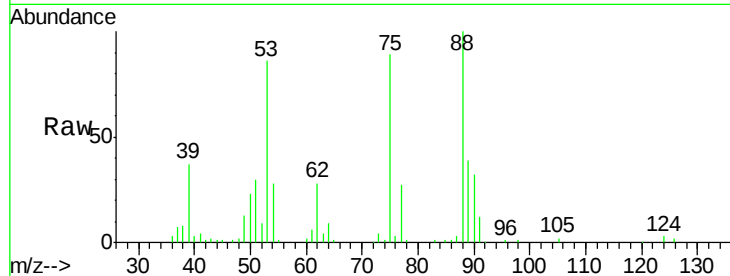
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	49124
Ion Ratio	Lower	Upper	
75	100		
53	99.3	75.4	113.0
89	45.2	34.5	51.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.142 ug/l

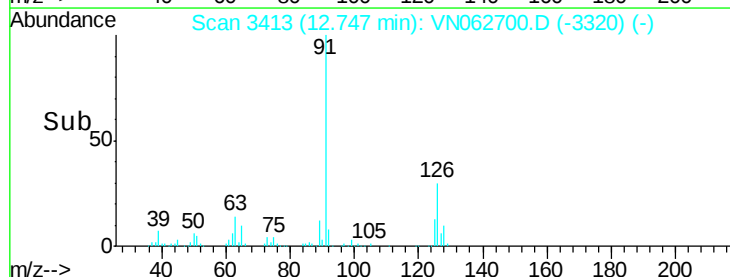
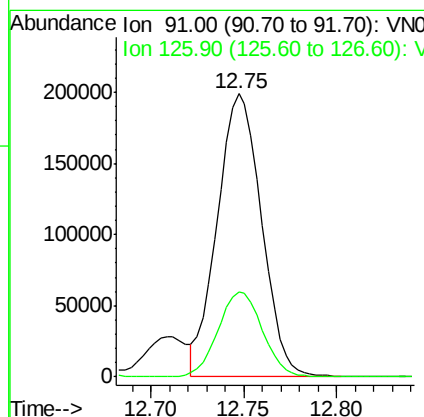
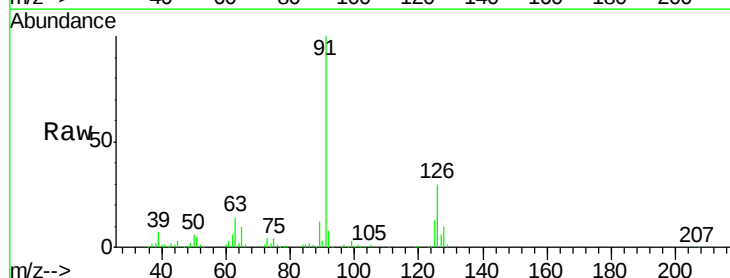
RT: 12.75 min Scan# 3413

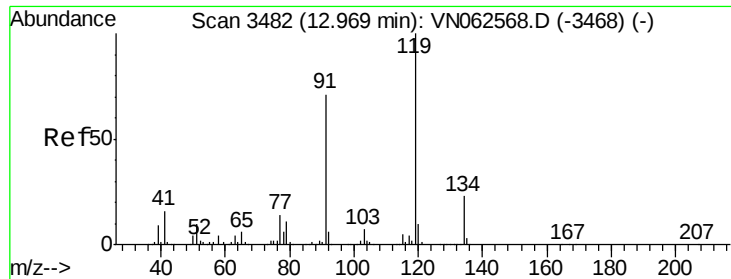
Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Tgt Ion:	91	Resp:	326425
Ion Ratio	Lower	Upper	
91	100		
126	30.5	15.4	46.4





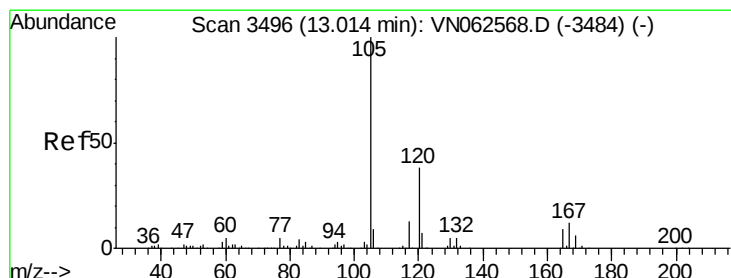
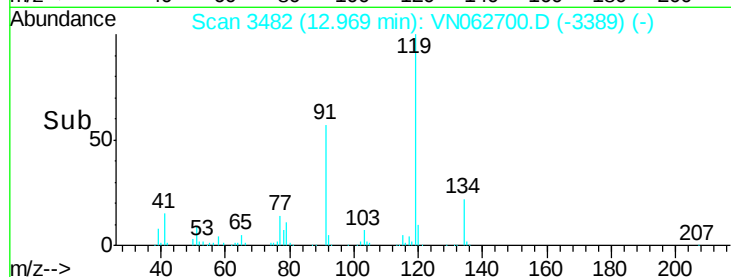
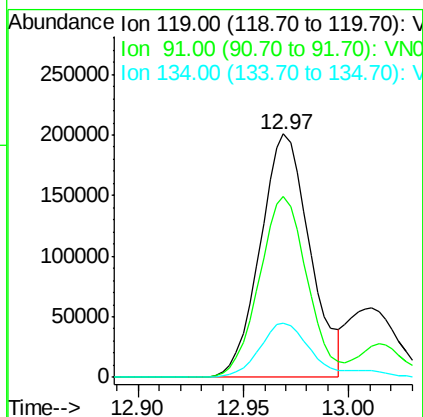
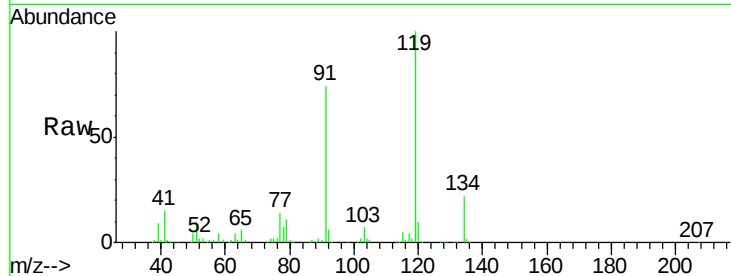
#83
 tert-Butylbenzene
 Concen: 54.062 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.1	34.6	103.8
134	24.4	11.5	34.4

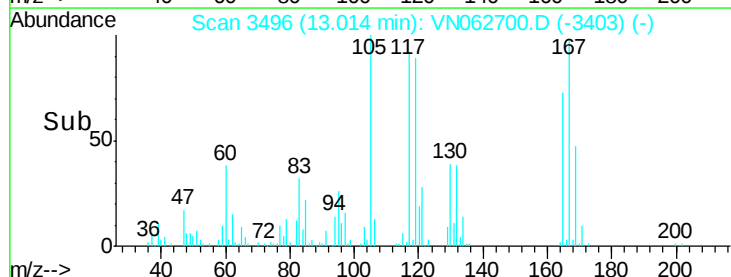
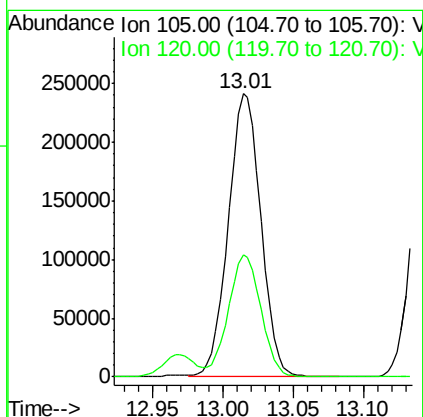
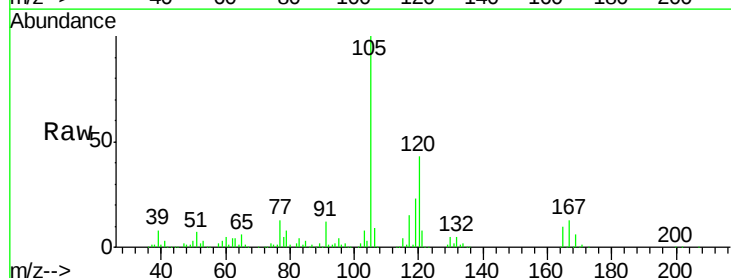
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.055 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.3





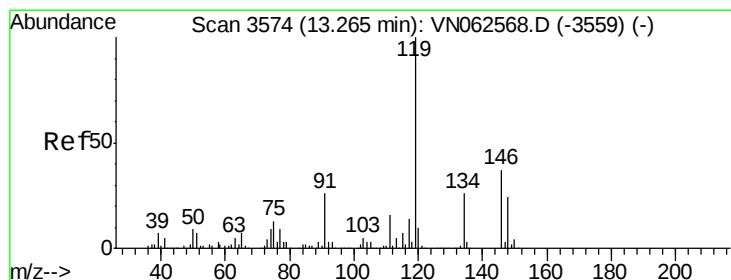
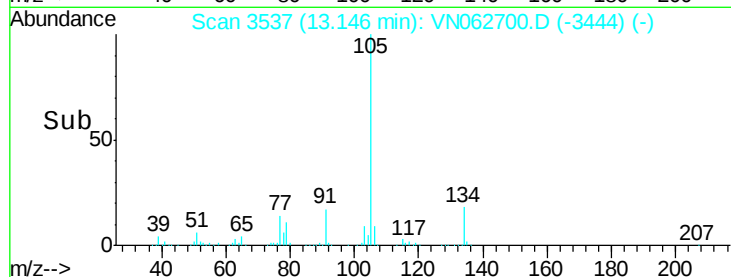
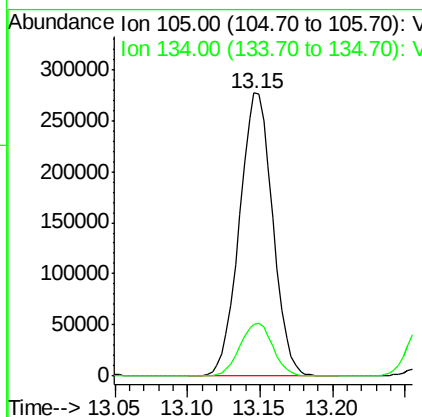
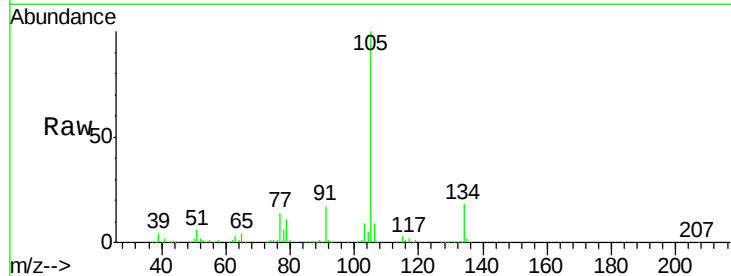
#85
 sec-Butylbenzene
 Concen: 53.934 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.5	28.5

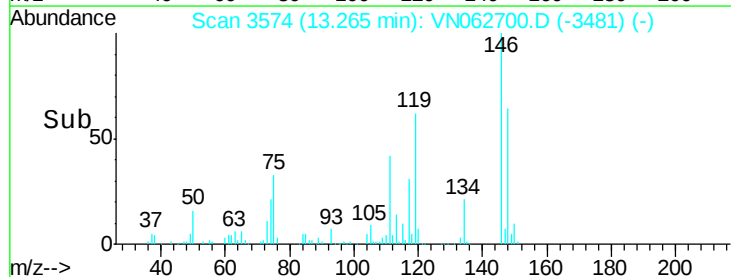
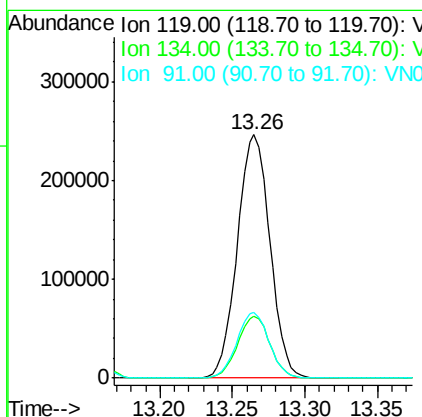
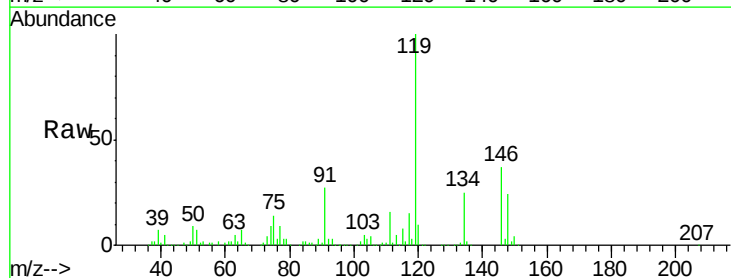
Manual Integrations
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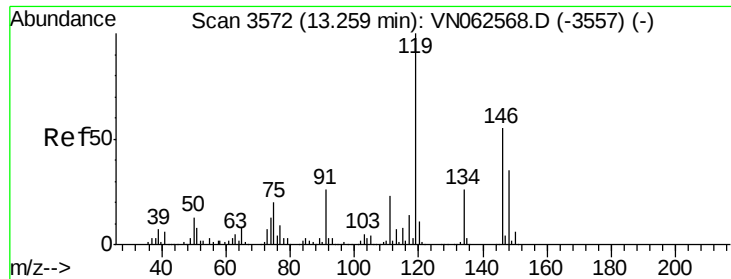
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#86
 p-Isopropyltoluene
 Concen: 54.986 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.8	38.4
91	27.0	12.7	38.1





#87

1,3-Dichlorobenzene

Concen: 50.643 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

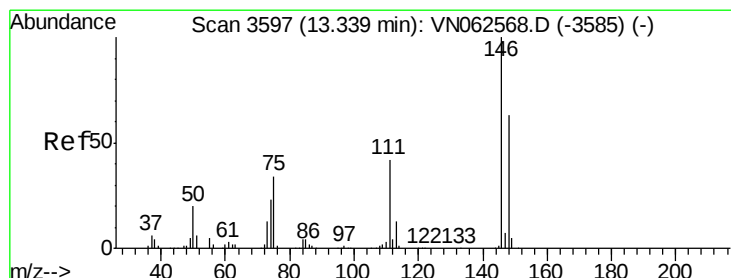
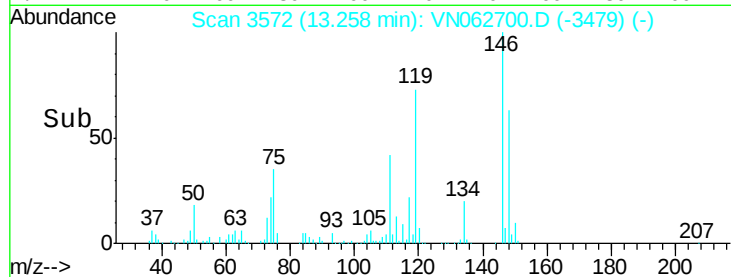
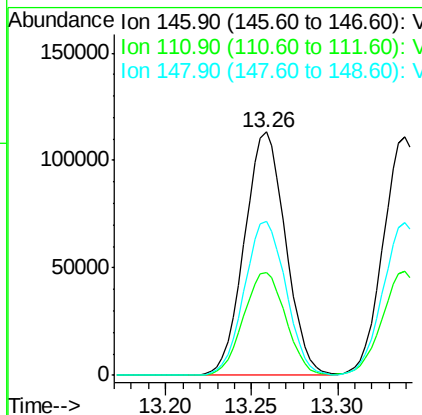
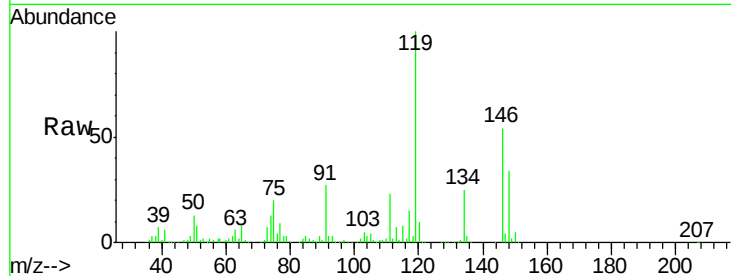
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	188803
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.6	64.6
148	63.6	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.384 ug/l

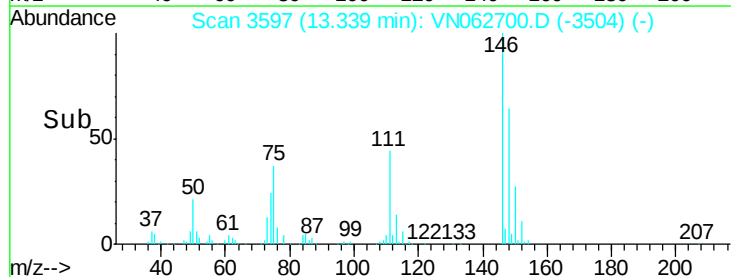
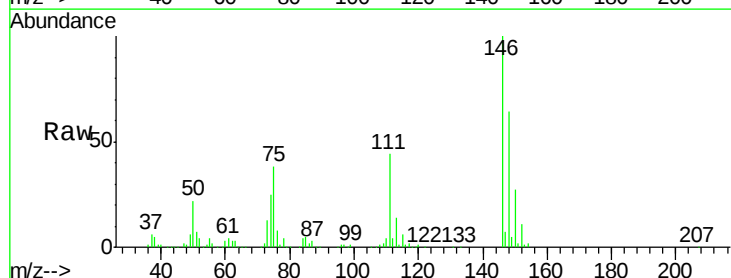
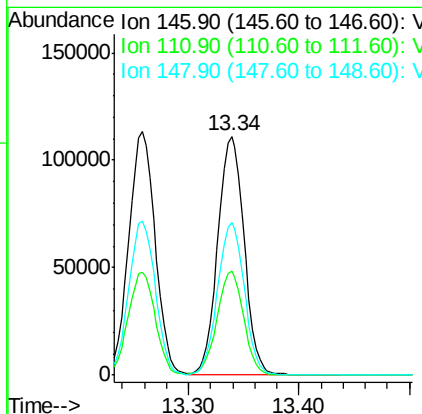
RT: 13.34 min Scan# 3597

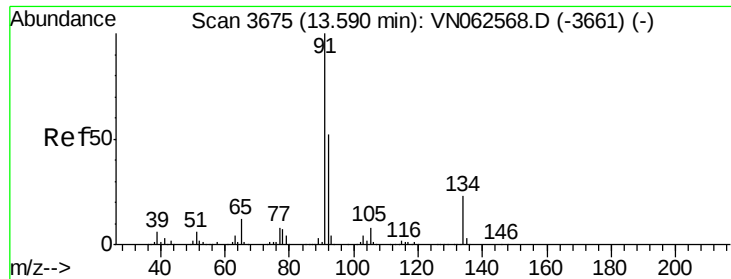
Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Tgt Ion:	146	Resp:	184908
Ion Ratio	Lower	Upper	
146	100		
111	43.4	21.1	63.1
148	64.3	31.6	94.8





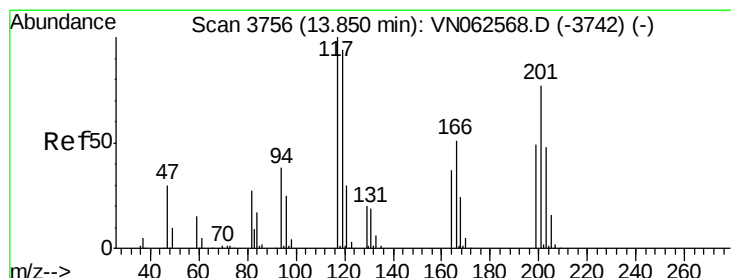
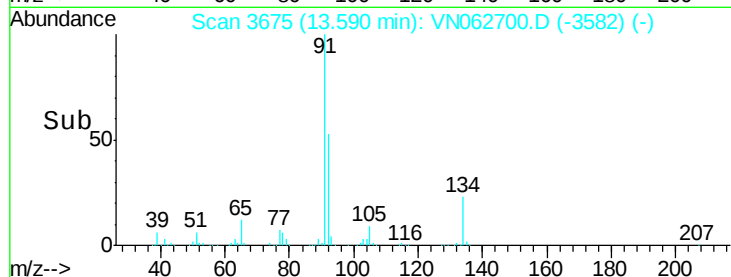
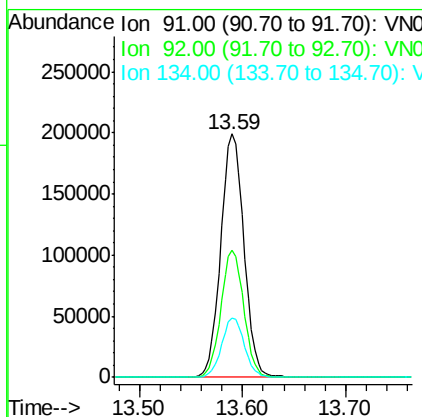
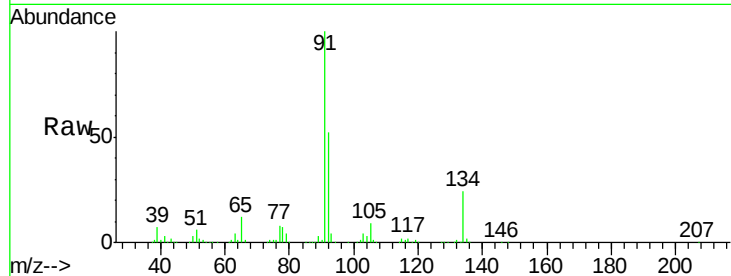
#89
n-Butylbenzene
Concen: 51.811 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.8	77.3
134	23.9	11.8	35.3

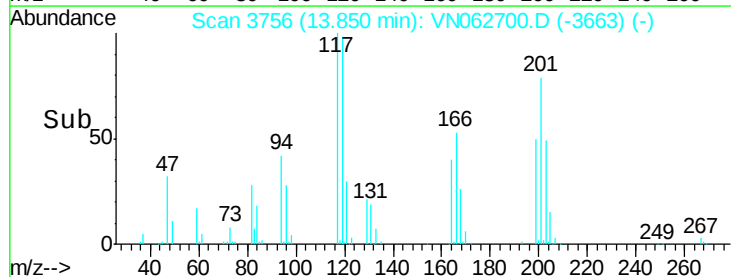
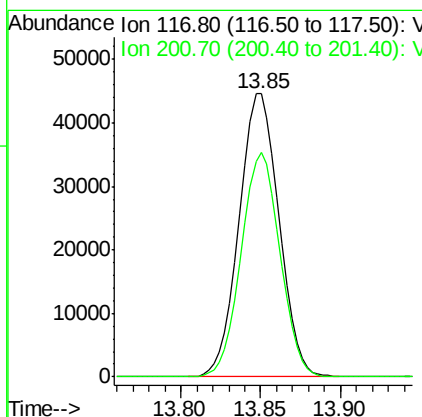
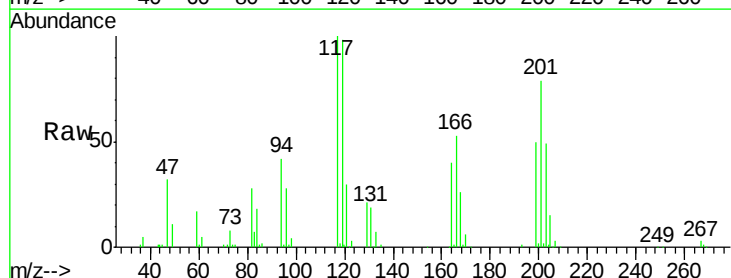
Manual Integrations
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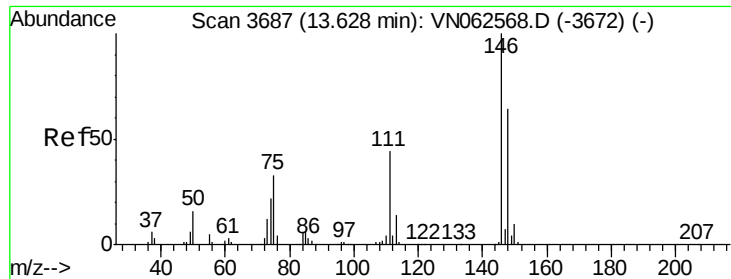
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#90
Hexachloroethane
Concen: 50.745 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	39.2	117.6





#91

1,2-Dichlorobenzene

Concen: 50.777 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Instrument :

MSVOA_N

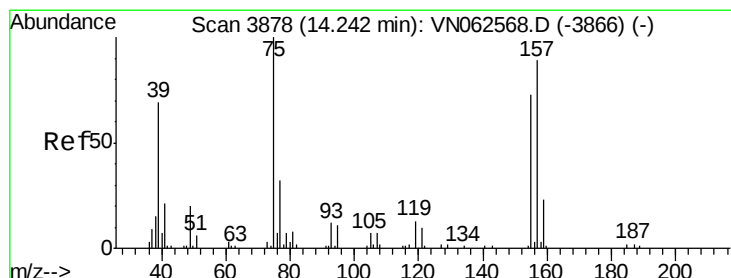
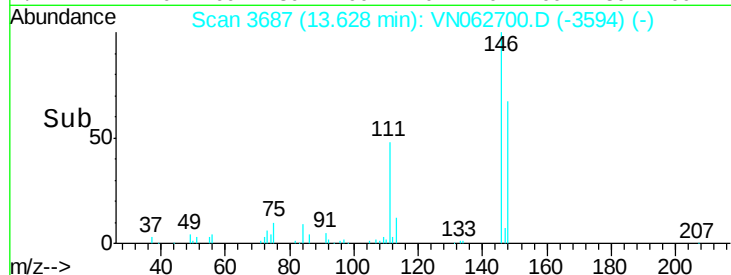
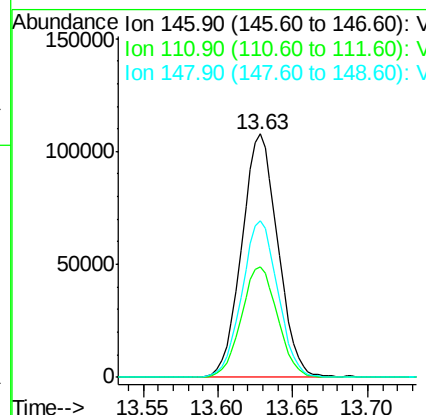
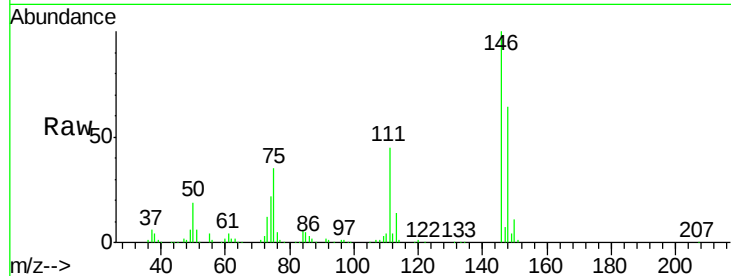
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	181011
Ion Ratio		Lower	Upper
146	100		
111	45.4	21.9	65.8
148	64.0	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 55.398 ug/l

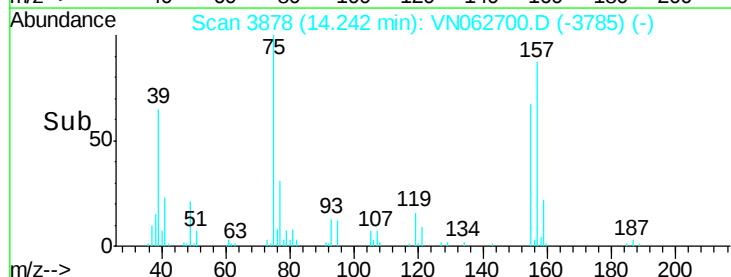
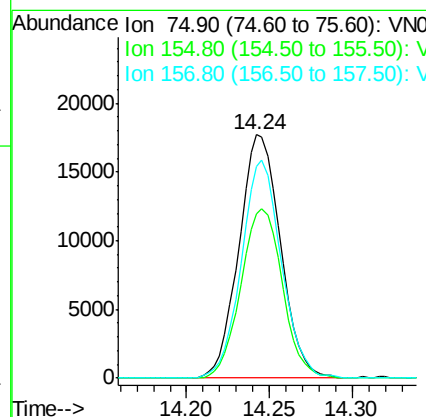
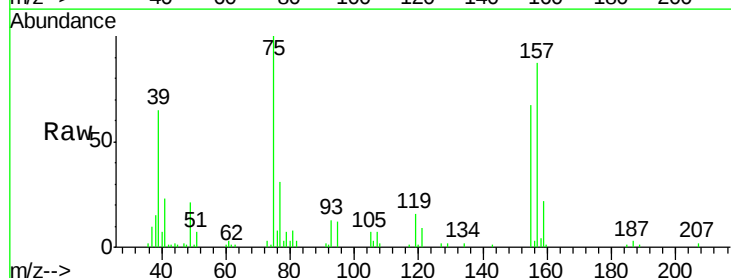
RT: 14.24 min Scan# 3878

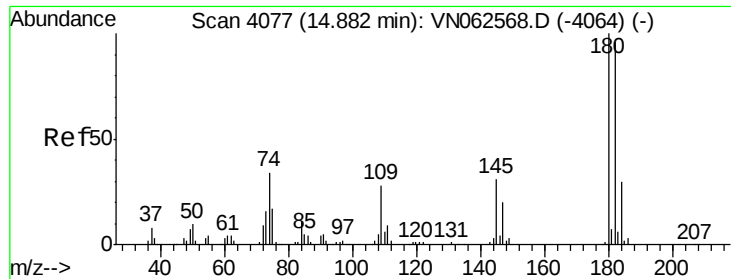
Delta R.T. -0.00 min

Lab File: VN062700.D

Acq: 31 Jul 2020 21:33

Tgt Ion:	75	Resp:	30898
Ion Ratio		Lower	Upper
75	100		
155	69.4	35.9	107.5
157	86.2	45.0	135.0





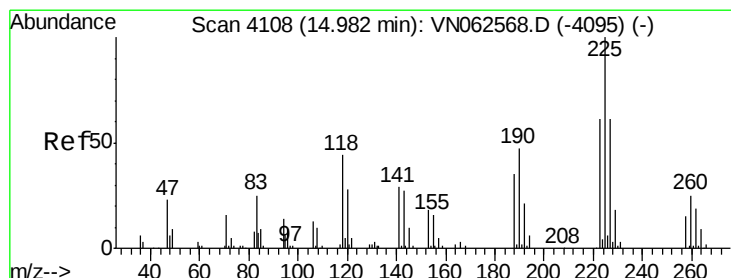
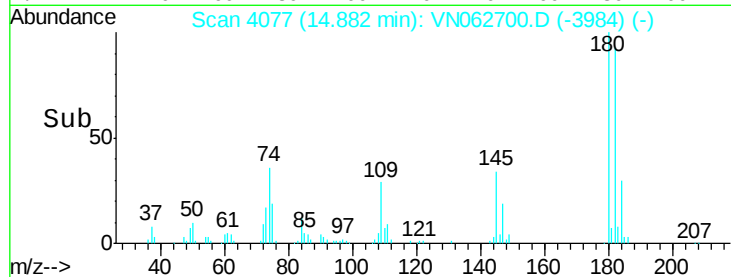
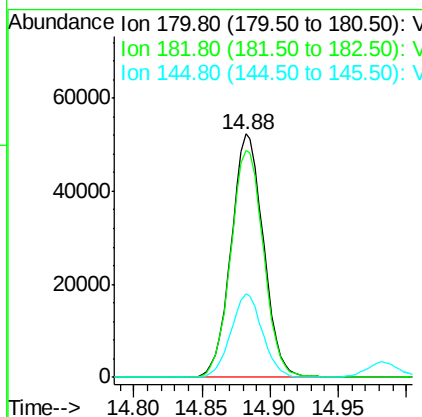
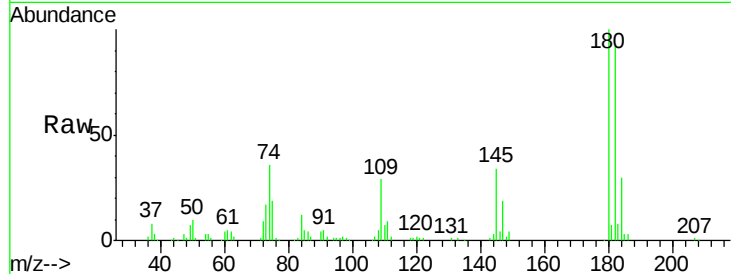
#93
 1,2,4-Trichlorobenzene
 Concen: 46.092 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.8	143.3	
145	33.4	15.3	45.9	

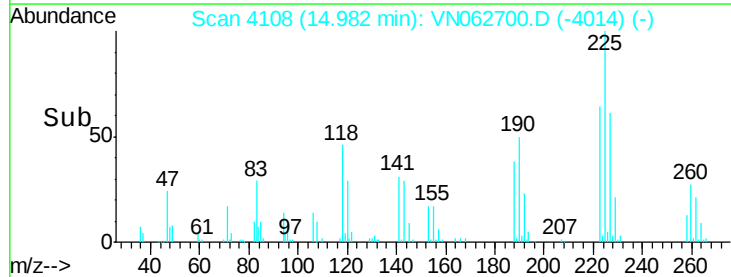
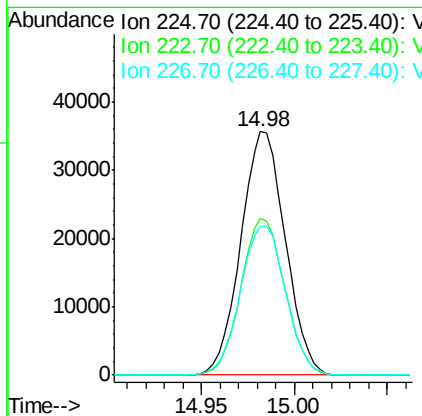
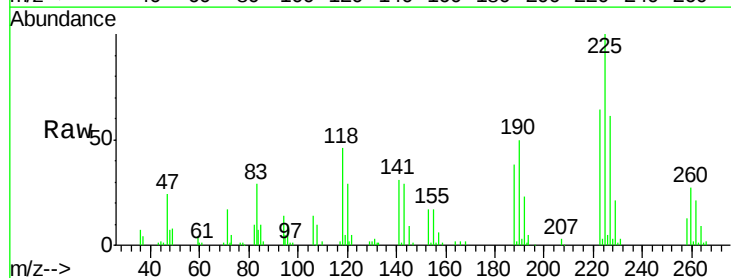
Manual Integrations
 APPROVED

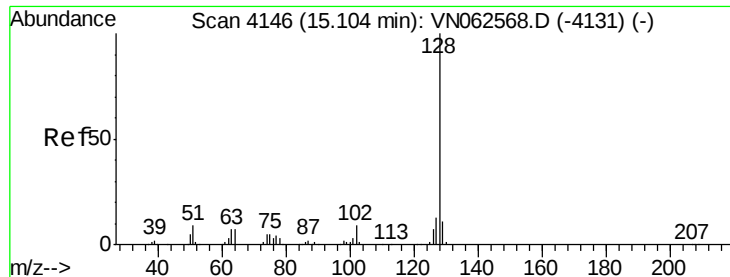
MMDadoda
 8/3/2020 9:32:18 AM



#94
 Hexachlorobutadiene
 Concen: 61.526 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062700.D
 Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	32.0	96.0	
227	62.6	31.1	93.2	





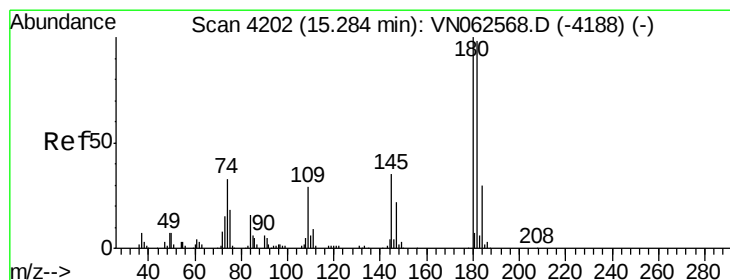
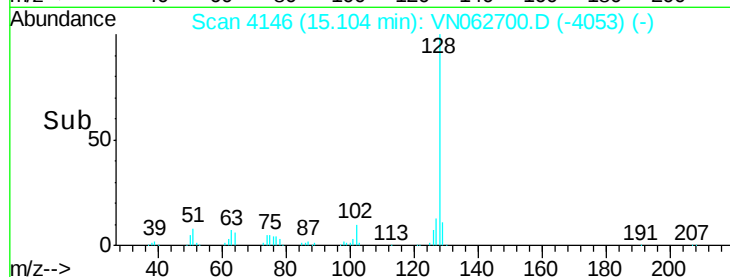
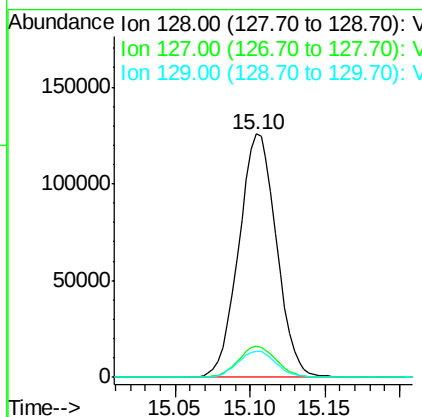
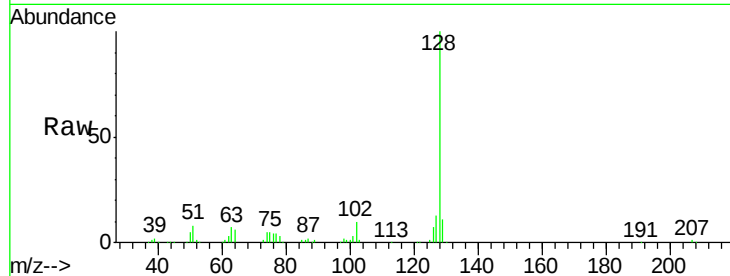
#95
Naphthalene
Concen: 44.769 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/3/2020 9:32:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.385 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062700.D
Acq: 31 Jul 2020 21:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.3
145	34.7	16.7	50.1

