

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062874.D
 Acq On : 12 Aug 2020 22:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/13/2020 10:56:19 AM

Quant Time: Aug 13 06:53:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	159134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	258305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	246071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123544	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	132117	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
35) Dibromofluoromethane	7.55	113	89932	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
50) Toluene-d8	10.06	98	347096	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.38	95	132685	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	95682	41.989	ug/l	100
3) Chloromethane	2.03	50	85727	39.866	ug/l	98
4) Vinyl Chloride	2.16	62	86092	42.686	ug/l	100
5) Bromomethane	2.50	94	63336	47.438	ug/l	99
6) Chloroethane	2.65	64	71132	53.609	ug/l	97
7) Trichlorofluoromethane	2.97	101	167655	46.617	ug/l	97
8) Diethyl Ether	3.37	74	45026	43.733	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.71	101	65000	44.720	ug/l	98
10) Methyl Iodide	3.91	142	83721	48.029	ug/l	98
11) Tert butyl alcohol	4.74	59	93127	215.917	ug/l	100
12) 1,1-Dichloroethene	3.69	96	58673	43.134	ug/l	95
13) Acrolein	3.57	56	48454	185.545	ug/l	100
14) Allyl chloride	4.27	41	102732	36.873	ug/l	98
15) Acrylonitrile	4.93	53	217733	217.651	ug/l	100
16) Acetone	3.78	43	188411	198.142	ug/l	99
17) Carbon Disulfide	4.01	76	158039	40.905	ug/l	98
18) Methyl Acetate	4.28	43	99414	44.069	ug/l	96
19) Methyl tert-butyl Ether	5.00	73	281549	45.666	ug/l	99
20) Methylene Chloride	4.50	84	78408	44.981	ug/l	93
21) trans-1,2-Dichloroethene	4.99	96	65728	41.274	ug/l	93
22) Diisopropyl ether	5.90	45	256637	43.270	ug/l	96
23) Vinyl Acetate	5.84	43	891532	197.624	ug/l	97
24) 1,1-Dichloroethane	5.80	63	145049	41.732	ug/l	100
25) 2-Butanone	6.79	43	280152	208.021	ug/l	96
26) 2,2-Dichloropropane	6.78	77	99761	31.138	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	81026	42.415	ug/l	94
28) Bromochloromethane	7.15	49	77470	46.183	ug/l	97
29) Tetrahydrofuran	7.17	42	185230	211.706	ug/l	96
30) Chloroform	7.33	83	161911	43.833	ug/l	99
31) Cyclohexane	7.62	56	126284	39.581	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	144347	43.708	ug/l	98
36) 1,1-Dichloropropene	7.75	75	103103	40.993	ug/l	98
37) Ethyl Acetate	6.88	43	105999	40.345	ug/l	100
38) Carbon Tetrachloride	7.73	117	126030	42.368	ug/l	99

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MMDadoda
 8/13/2020 10:56:19 AM

Quant Time: Aug 13 06:53:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	124563	41.153	ug/l	97
40) Benzene	8.00	78	314585	41.915	ug/l	98
41) Methacrylonitrile	7.13	41	47856m	40.366	ug/l	
42) 1,2-Dichloroethane	8.08	62	135433	42.397	ug/l	100
43) Isopropyl Acetate	8.13	43	174257	39.764	ug/l	98
44) Trichloroethene	8.80	130	77790	42.542	ug/l	99
45) 1,2-Dichloropropane	9.09	63	86219	42.445	ug/l	95
46) Dibromomethane	9.18	93	58758	44.148	ug/l	98
47) Bromodichloromethane	9.37	83	134812	45.099	ug/l	99
48) Methyl methacrylate	9.17	41	87493	40.591	ug/l	96
49) 1,4-Dioxane	9.17	88	37324	934.504	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	604537	213.211	ug/l	98
52) Toluene	10.13	92	206498	44.562	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	137555	41.835	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	138553	41.970	ug/l	95
55) 1,1,2-Trichloroethane	10.54	97	85974	43.441	ug/l	97
56) Ethyl methacrylate	10.40	69	136018	45.660	ug/l	98
57) 1,3-Dichloropropane	10.68	76	148213	44.075	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	173683	206.264	ug/l	98
59) 2-Hexanone	10.72	43	457165	216.149	ug/l	99
60) Dibromochloromethane	10.88	129	104137	46.109	ug/l	97
61) 1,2-Dibromoethane	10.98	107	87673	44.894	ug/l	99
64) Tetrachloroethene	10.60	164	68170	42.937	ug/l	96
65) Chlorobenzene	11.41	112	223904	43.529	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	93856	45.437	ug/l	98
67) Ethyl Benzene	11.49	91	410822	44.631	ug/l	98
68) m/p-Xylenes	11.60	106	305377	91.393	ug/l	98
69) o-Xylene	11.92	106	146529	46.795	ug/l	99
70) Styrene	11.94	104	262029	47.607	ug/l	98
71) Bromoform	12.10	173	76361	45.182	ug/l #	98
73) Isopropylbenzene	12.23	105	411949	44.282	ug/l	100
74) N-amyl acetate	12.05	43	163391	43.341	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	134048	40.933	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	136997m	41.117	ug/l	
77) Bromobenzene	12.50	156	100028	43.275	ug/l	94
78) n-propylbenzene	12.57	91	474765	43.476	ug/l	99
79) 2-Chlorotoluene	12.65	91	293149	42.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	370024	45.848	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	43275	39.650	ug/l	97
82) 4-Chlorotoluene	12.75	91	307118	43.520	ug/l	99
83) tert-Butylbenzene	12.97	119	309187	45.275	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	363812	47.120	ug/l	100
85) sec-Butylbenzene	13.15	105	400290	44.635	ug/l	100
86) p-Isopropyltoluene	13.26	119	363624	45.679	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	180015	43.594	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	177982	42.974	ug/l	99
89) n-Butylbenzene	13.59	91	286620	42.573	ug/l	99
90) Hexachloroethane	13.85	117	72461	42.230	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	176571	45.610	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	31147	44.302	ug/l	98

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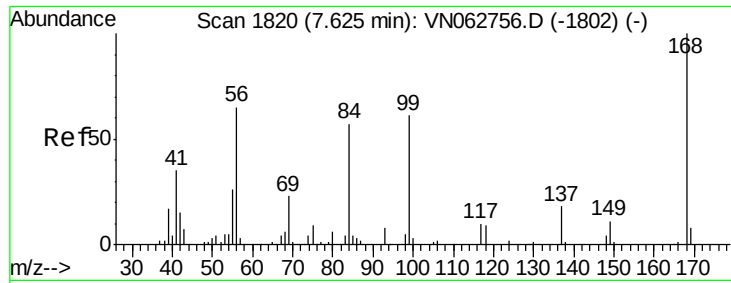
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
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QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	82205	40.233	ug/l	97
94) Hexachlorobutadiene	14.99	225	57053	46.720	ug/l	97
95) Naphthalene	15.10	128	220766	39.697	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	84316	41.631	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 159134

Ion Ratio Lower Upper

168 100

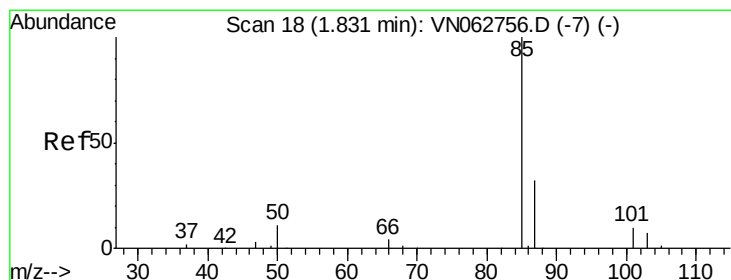
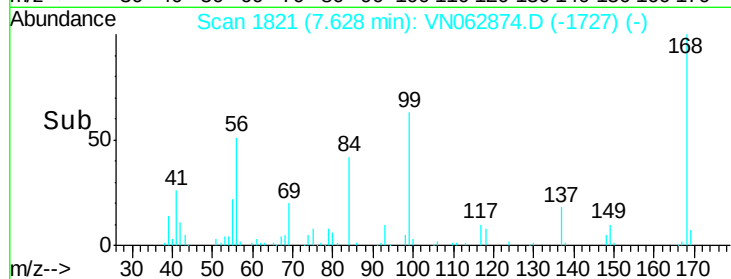
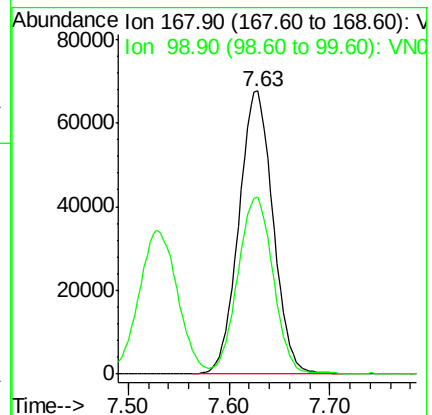
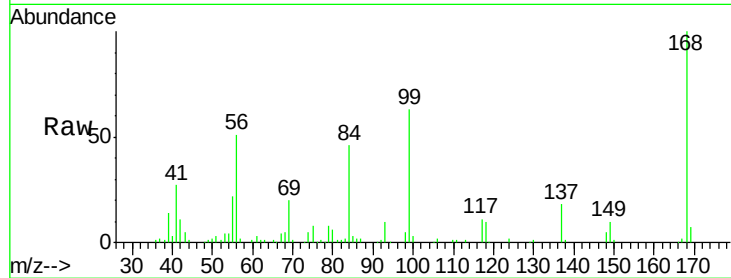
99 62.4 52.9 79.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 41.989 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062874.D

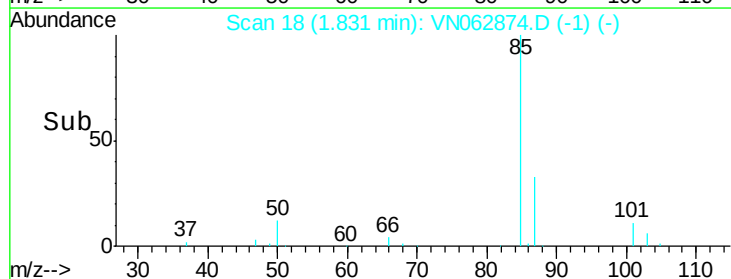
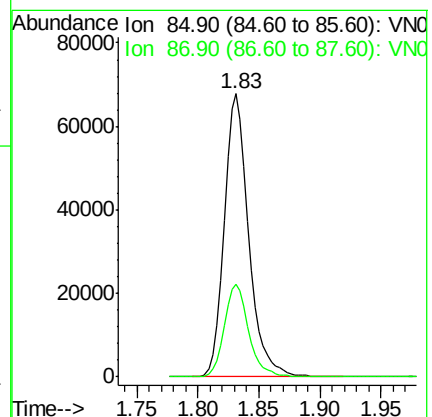
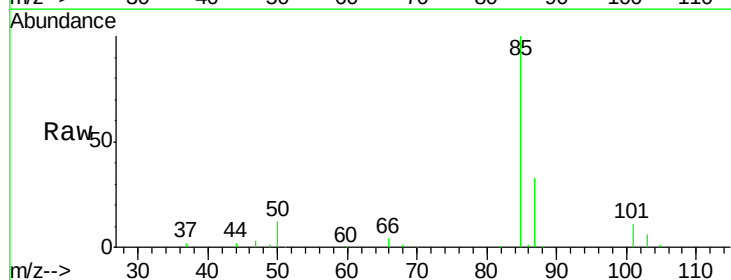
Acq: 12 Aug 2020 22:40

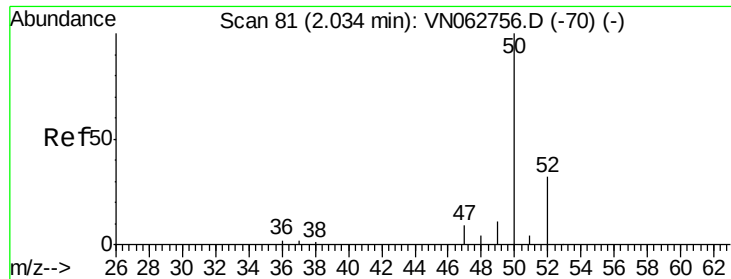
Tgt Ion: 85 Resp: 95682

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.6





#3

Chloromethane

Concen: 39.866 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 85727

Ion Ratio Lower Upper

50 100

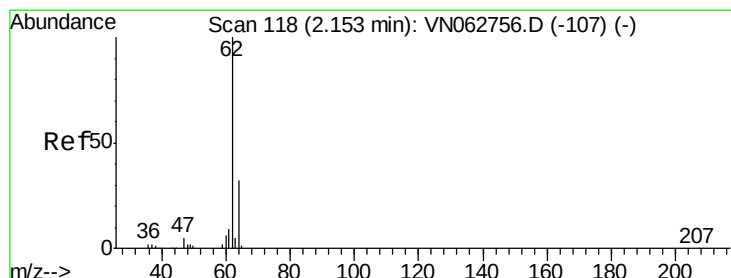
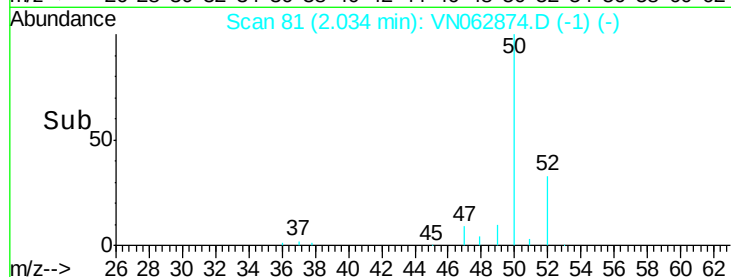
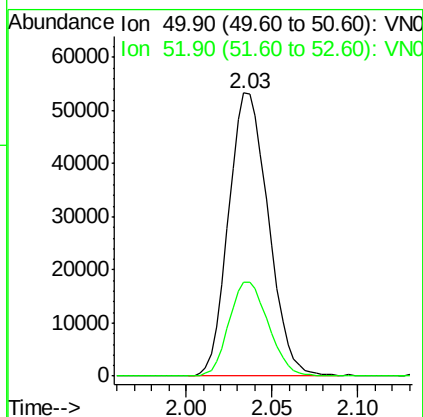
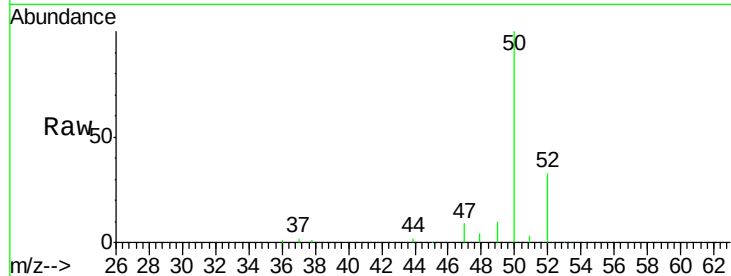
52 33.3 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.686 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062874.D

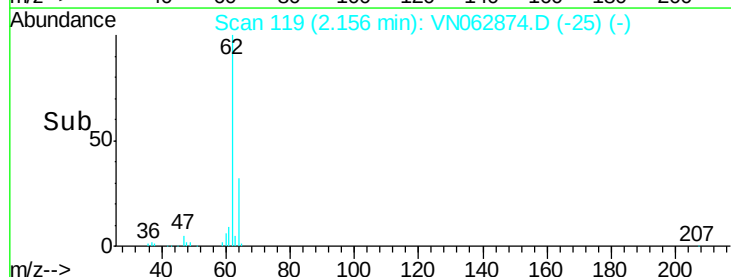
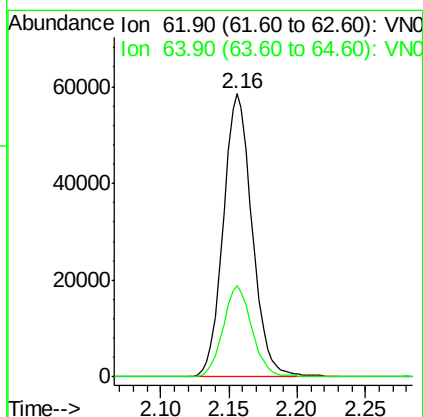
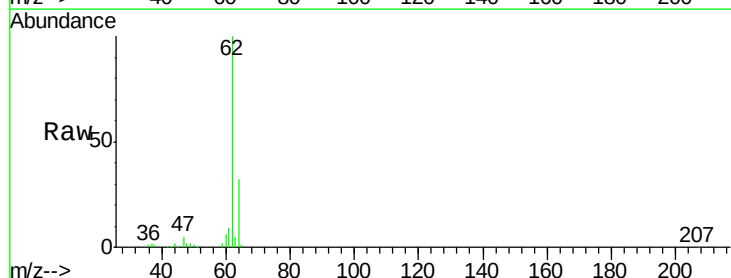
Acq: 12 Aug 2020 22:40

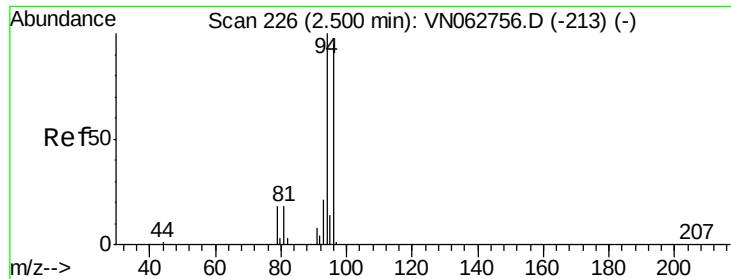
Tgt Ion: 62 Resp: 86092

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8





#5

Bromomethane

Concen: 47.438 ug/l

RT: 2.50 min Scan# 226

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 63336

Ion Ratio Lower Upper

94 100

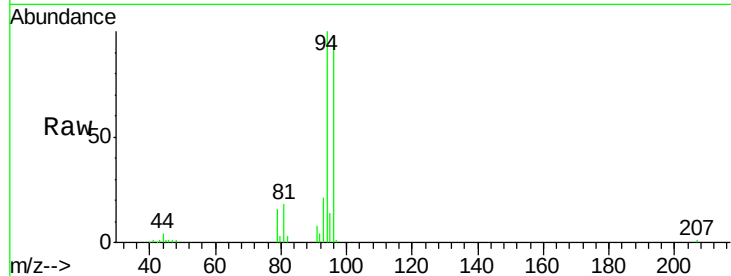
96 94.7 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.50

40000

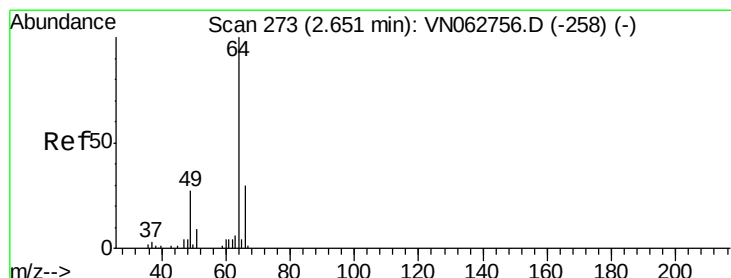
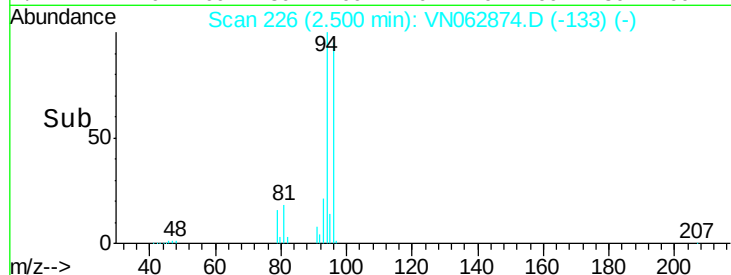
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 53.609 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.00 min

Lab File: VN062874.D

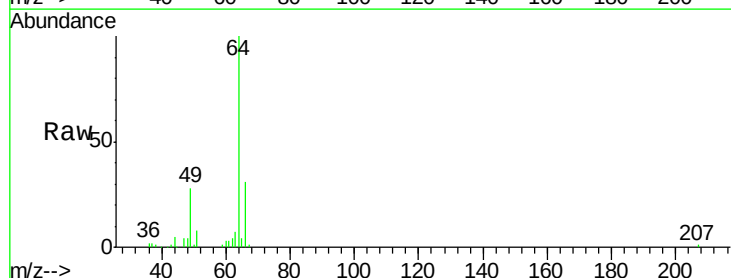
Acq: 12 Aug 2020 22:40

Tgt Ion: 64 Resp: 71132

Ion Ratio Lower Upper

64 100

66 31.4 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.65

40000

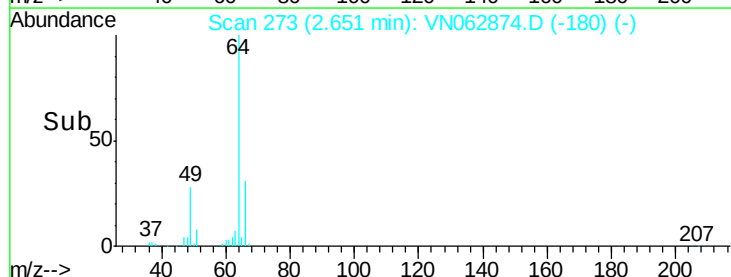
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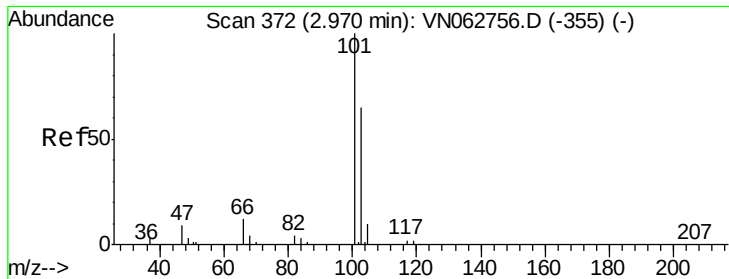
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Time-->





#7

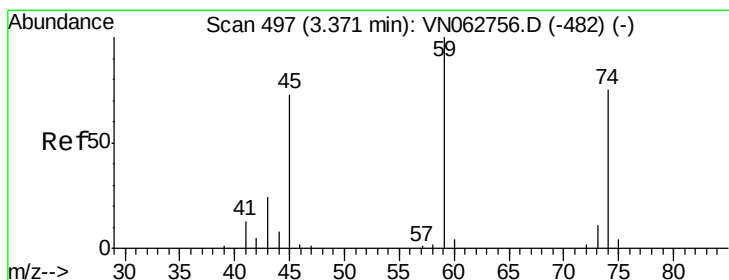
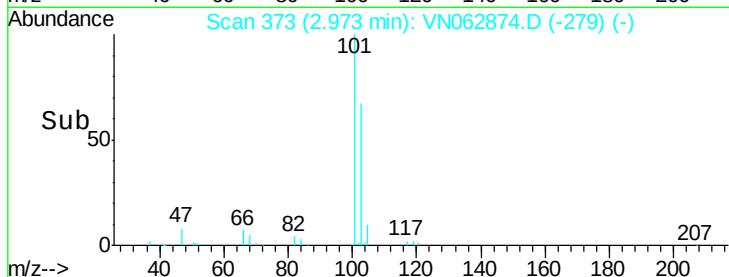
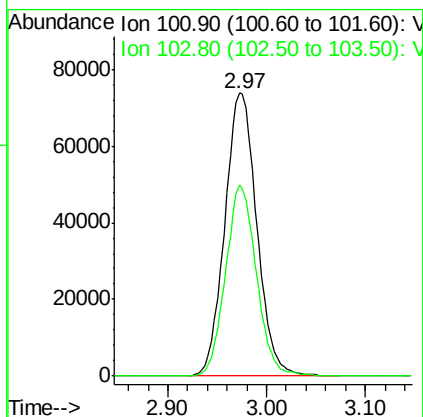
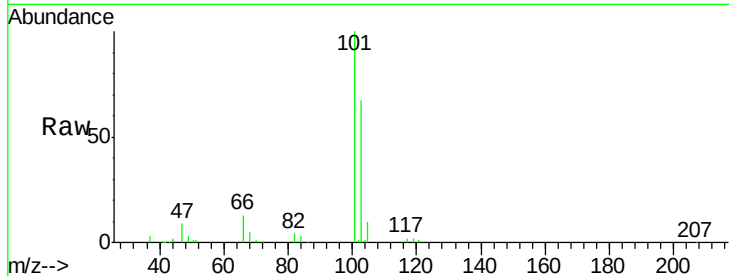
Trichlorofluoromethane
Concen: 46.617 ug/l
RT: 2.97 min Scan# 373
Delta R.T. 0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.3	78.5

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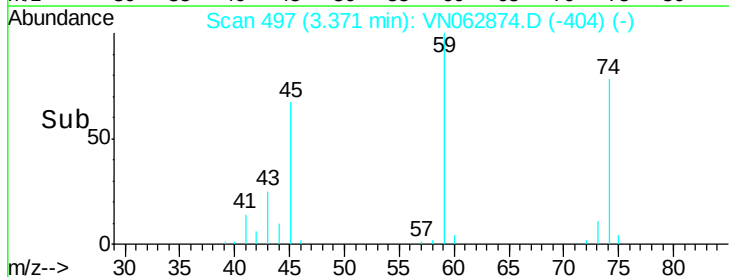
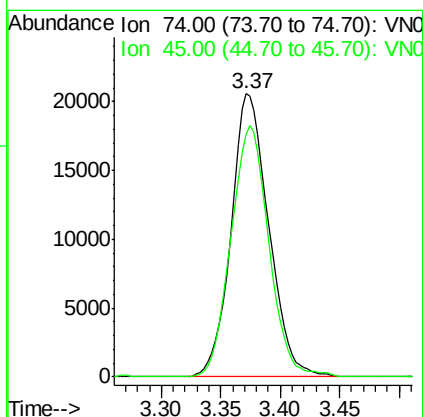
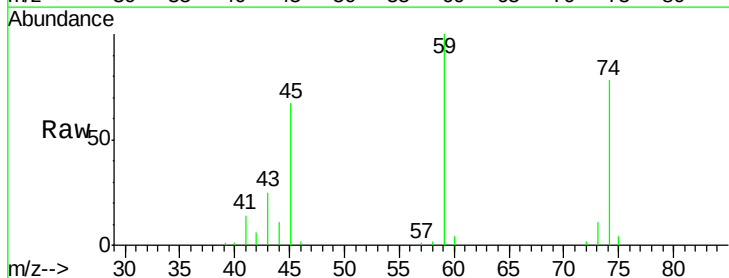
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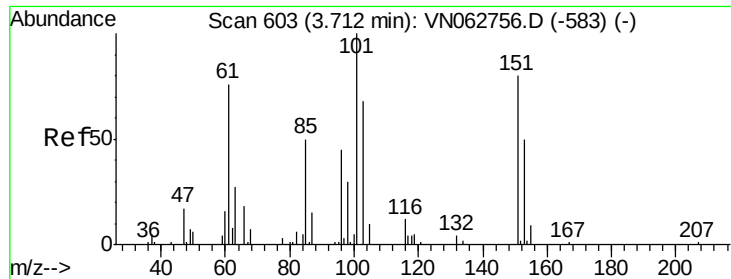


#8

Diethyl Ether
Concen: 43.733 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.4	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.720 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

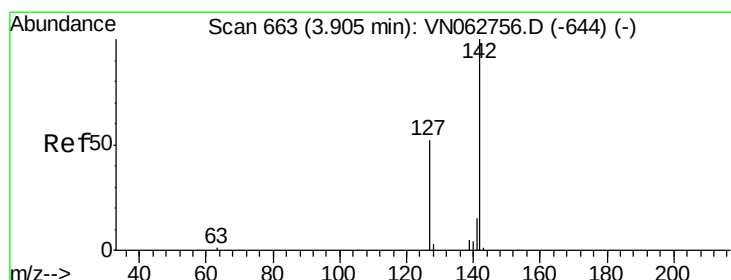
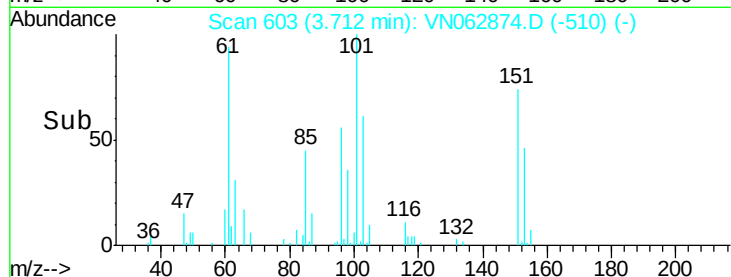
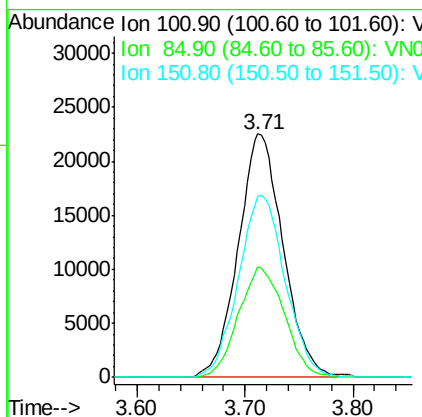
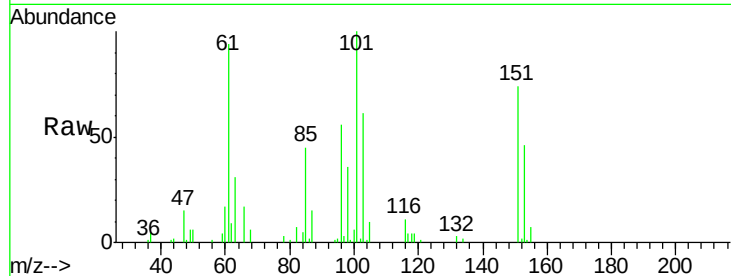
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	65000
Ion Ratio	Lower	Upper	
101	100		
85	46.3	38.5	57.7
151	78.0	63.0	94.6

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#10

Methyl Iodide

Concen: 48.029 ug/l

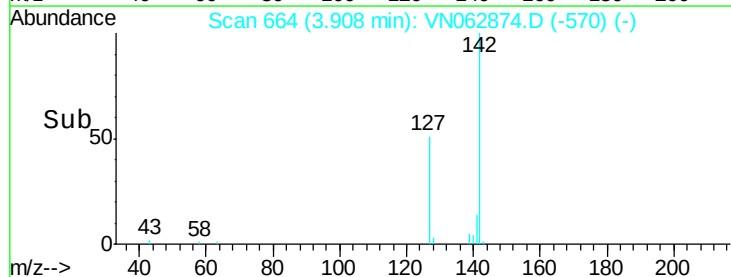
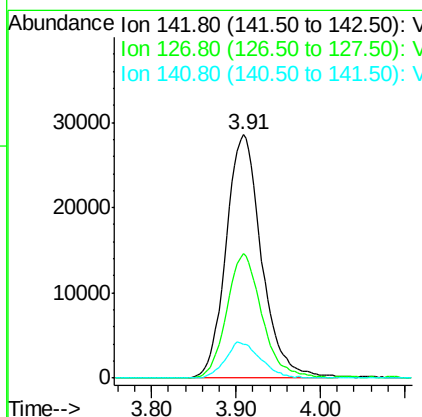
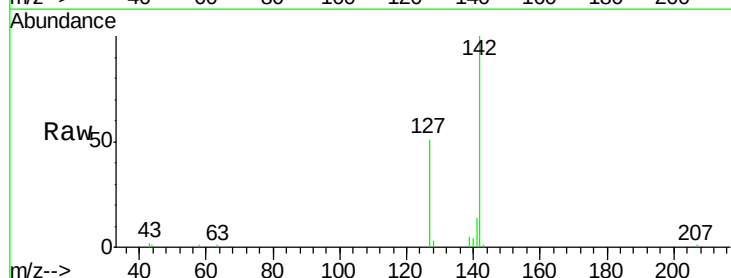
RT: 3.91 min Scan# 664

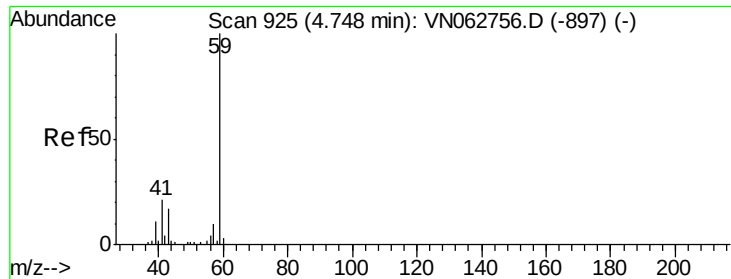
Delta R.T. 0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Tgt Ion:	142	Resp:	83721
Ion Ratio	Lower	Upper	
142	100		
127	50.6	41.4	62.0
141	14.4	12.2	18.4





#11

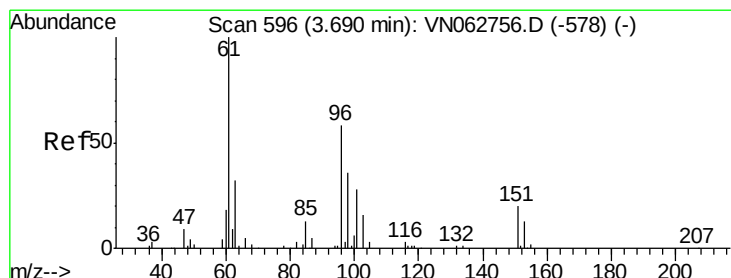
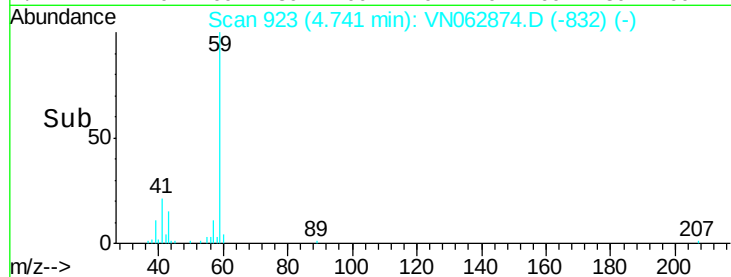
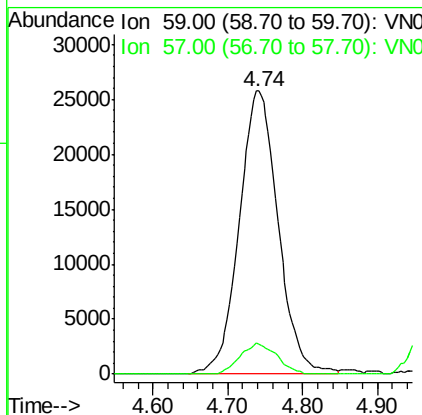
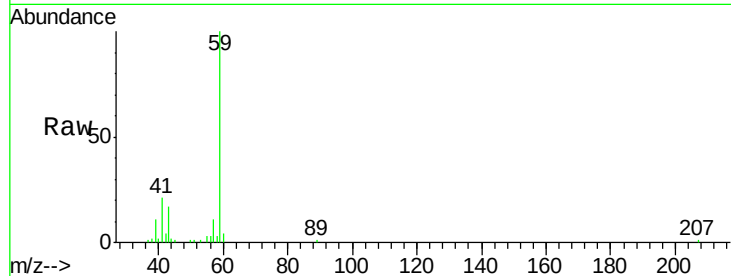
Tert butyl alcohol
Concen: 215.917 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.01 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

Manual Integrations
APPROVED

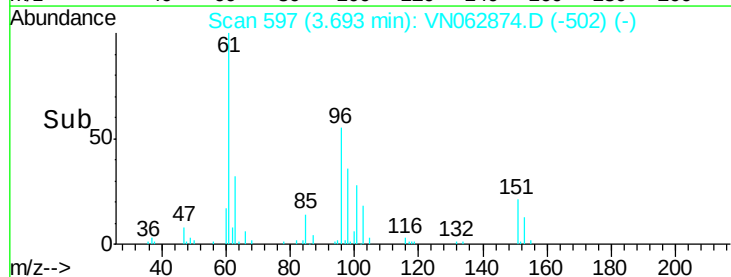
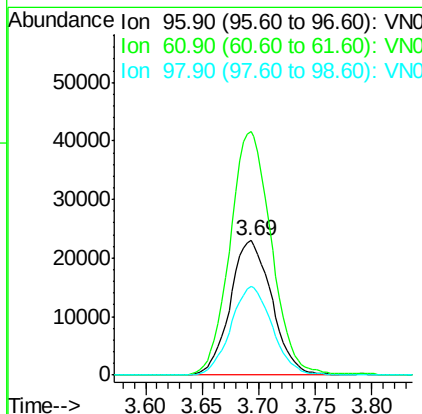
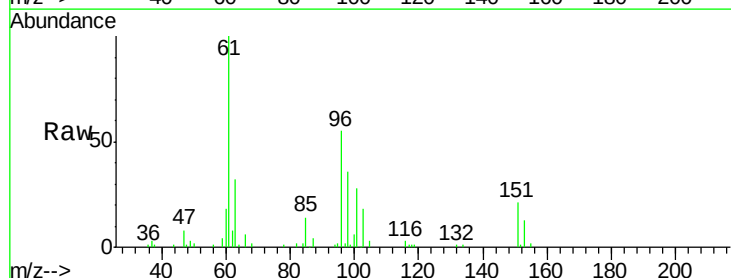
MMDadoda
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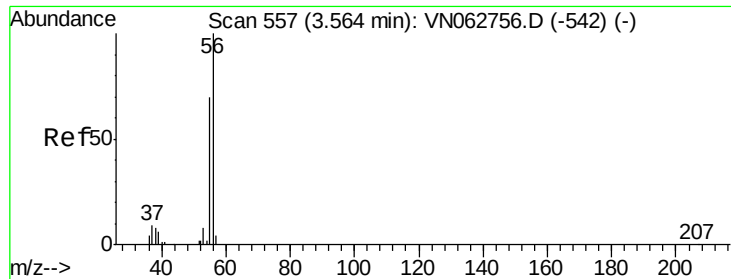


#12

1,1-Dichloroethene
Concen: 43.134 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.1	139.0	208.6
98	66.0	50.2	75.4





#13

Acrolein

Concen: 185.545 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 48454

Ion Ratio Lower Upper

56 100

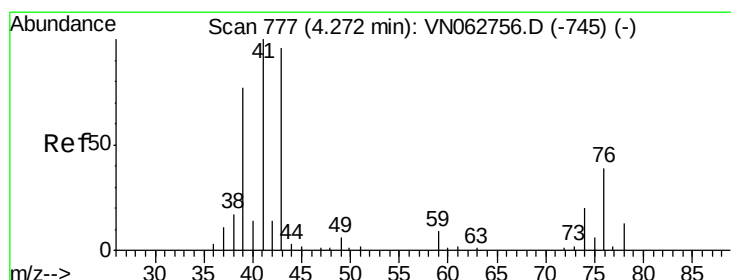
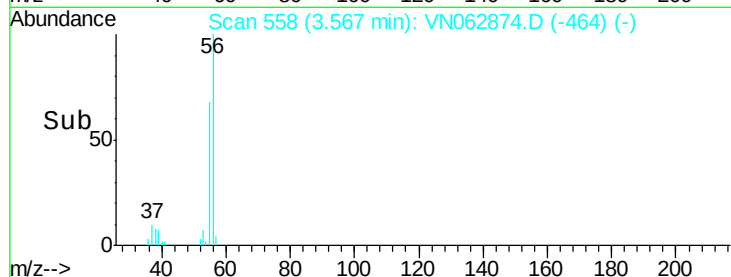
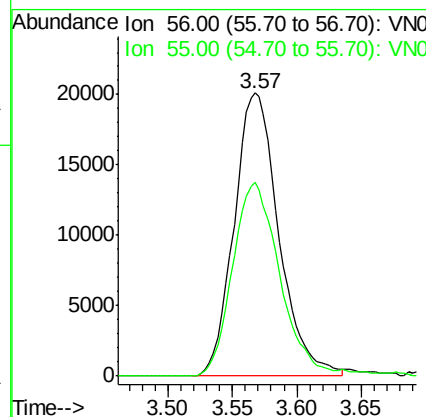
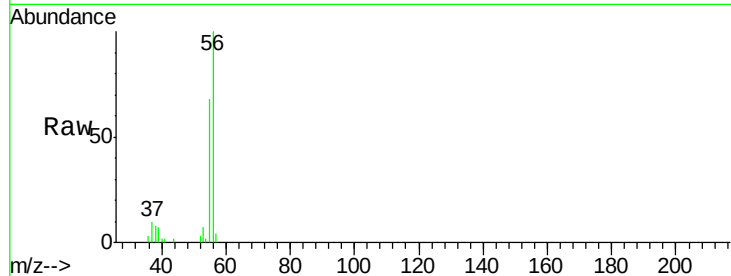
55 71.5 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 36.873 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

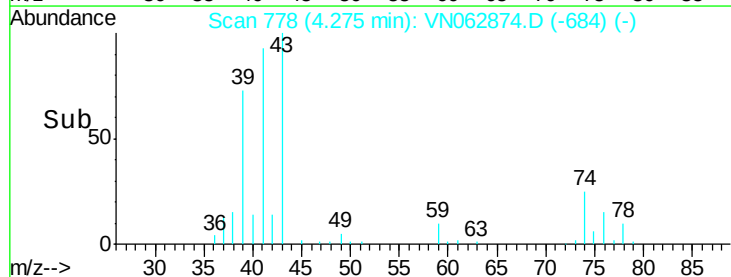
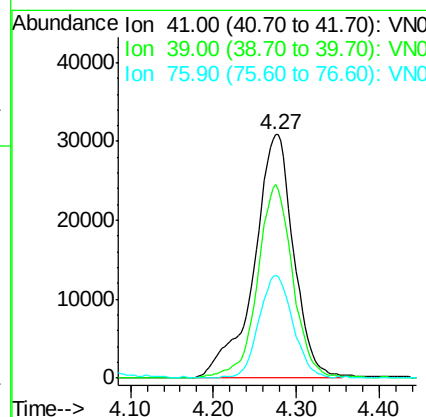
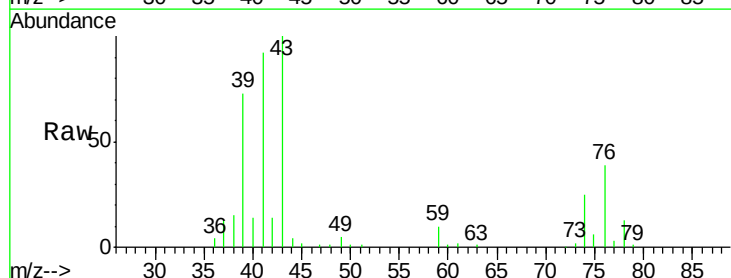
Tgt Ion: 41 Resp: 102732

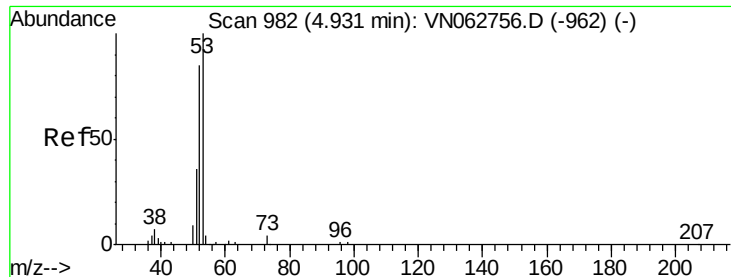
Ion Ratio Lower Upper

41 100

39 70.6 55.7 83.5

76 36.0 27.5 41.3





#15

Acrylonitrile

Concen: 217.651 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

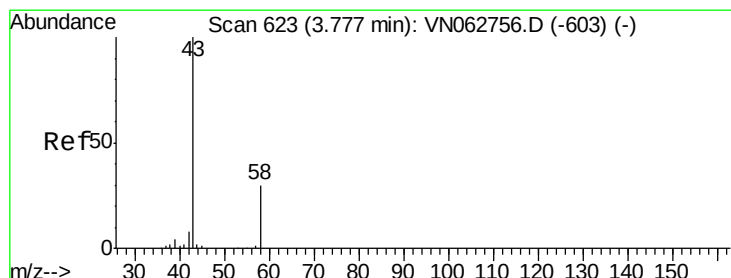
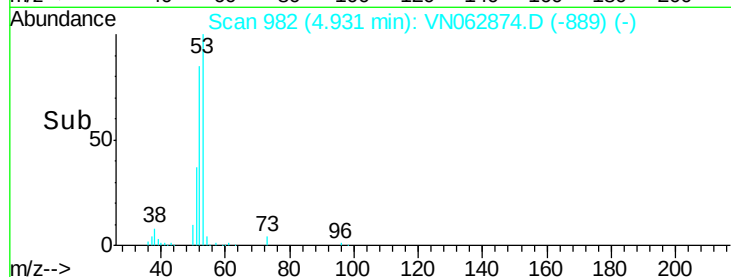
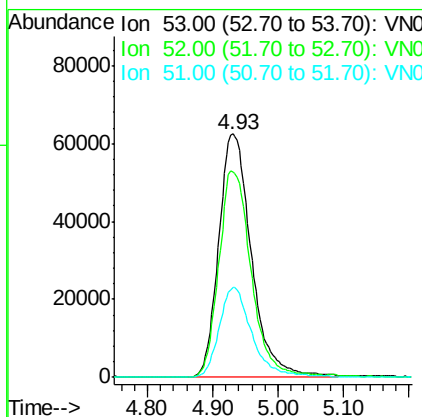
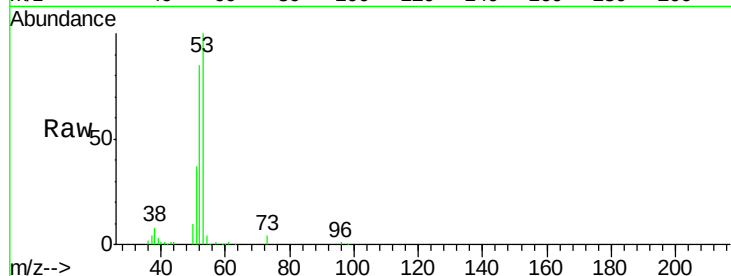
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	217733
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.8	100.2
51	36.8	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 198.142 ug/l

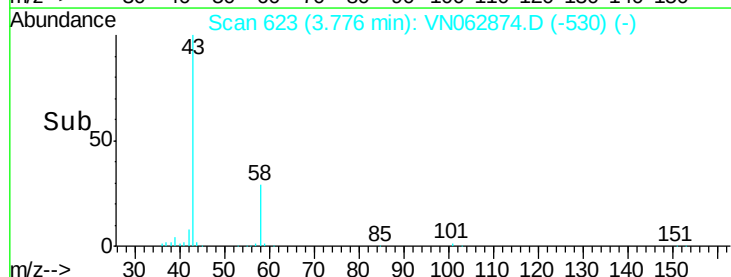
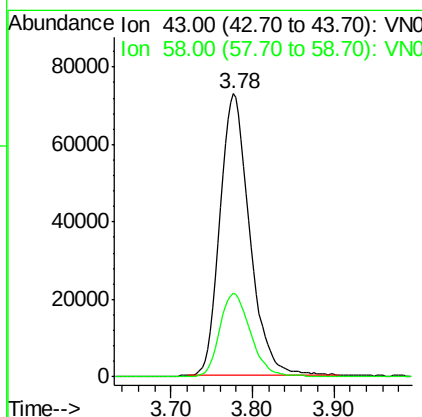
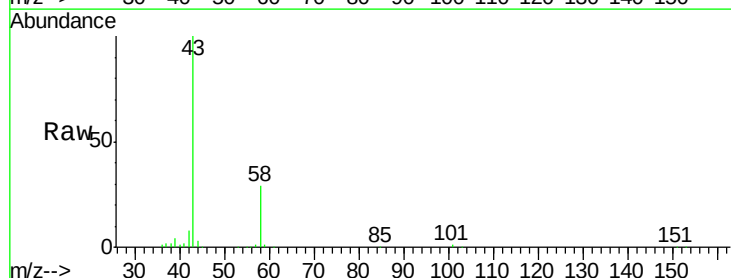
RT: 3.78 min Scan# 623

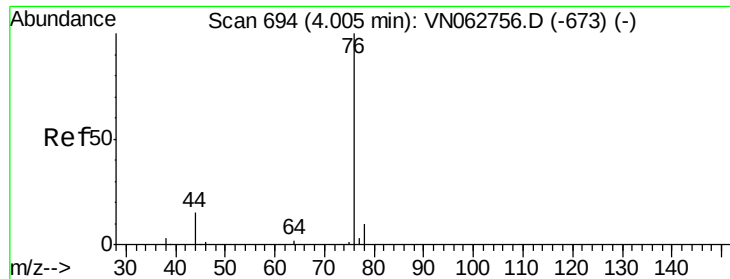
Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Tgt Ion:	43	Resp:	188411
Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.1	36.1





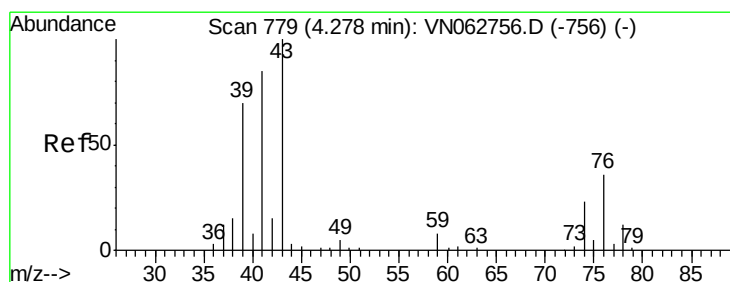
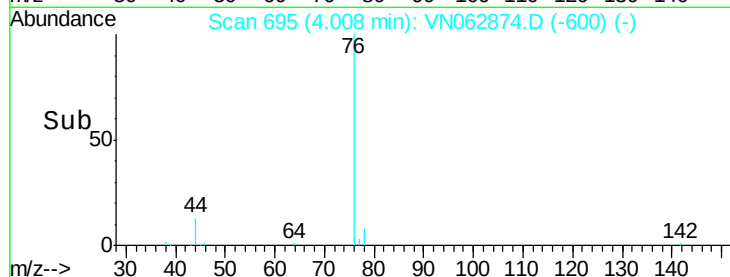
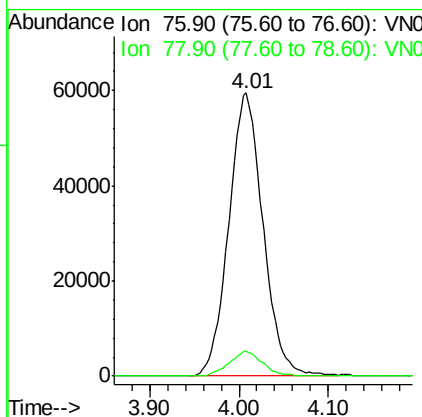
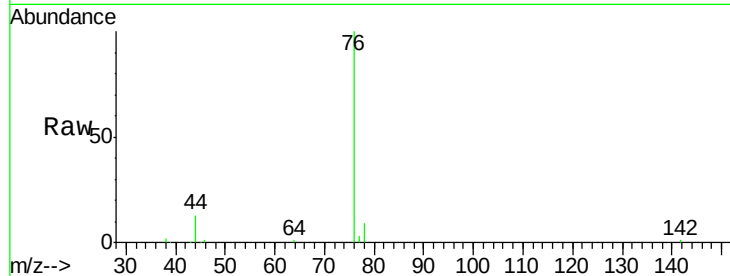
#17
Carbon Disulfide
Concen: 40.905 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.7	11.5

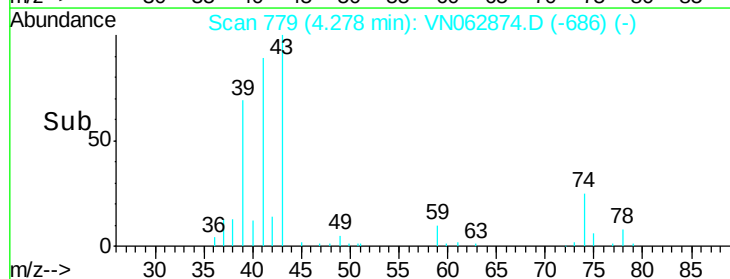
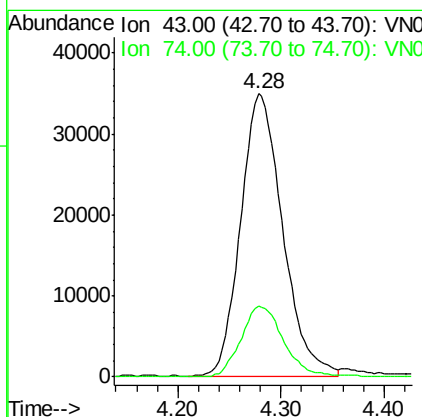
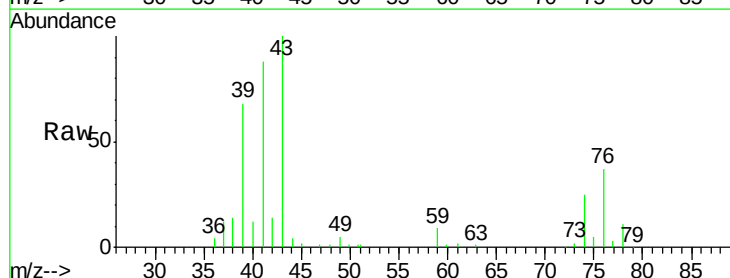
Manual Integrations
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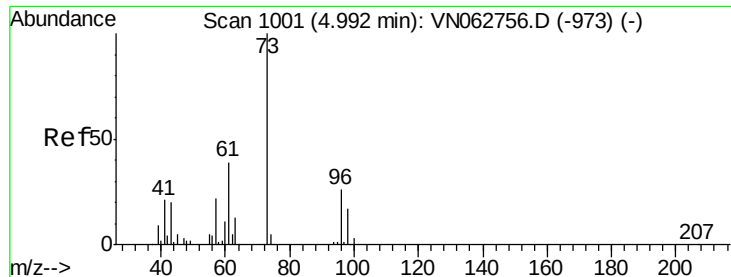
MMDadoda
8/13/2020 10:56:19 AM



#18
Methyl Acetate
Concen: 44.069 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	18.6	28.0





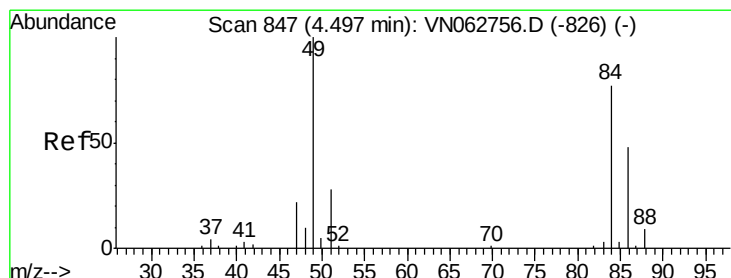
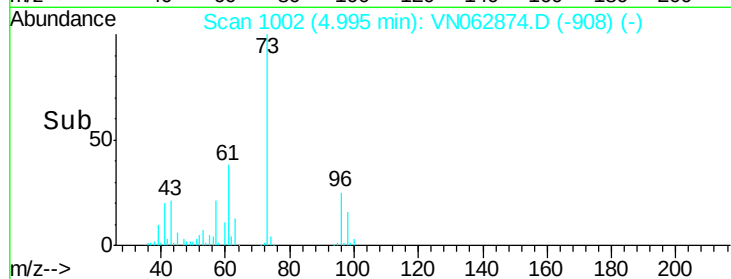
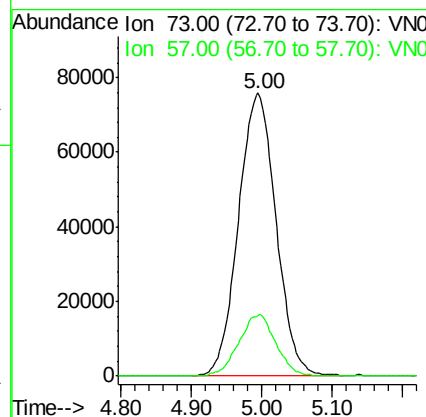
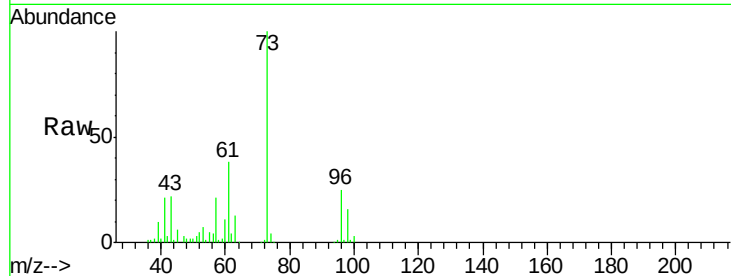
#19
Methyl tert-butyl Ether
Concen: 45.666 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.5	26.3

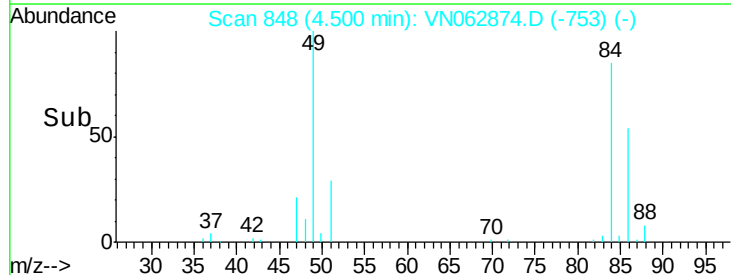
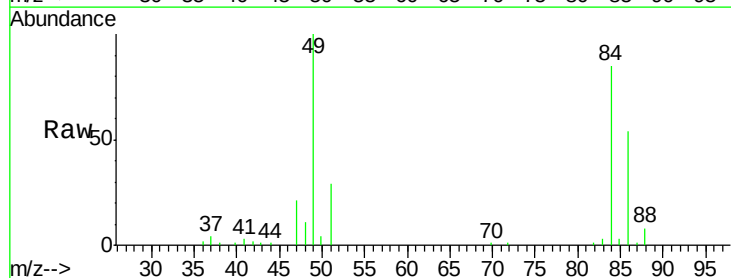
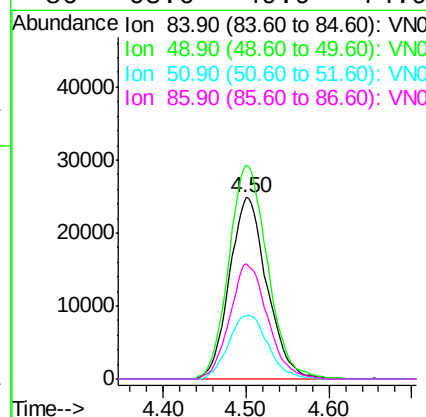
Manual Integrations
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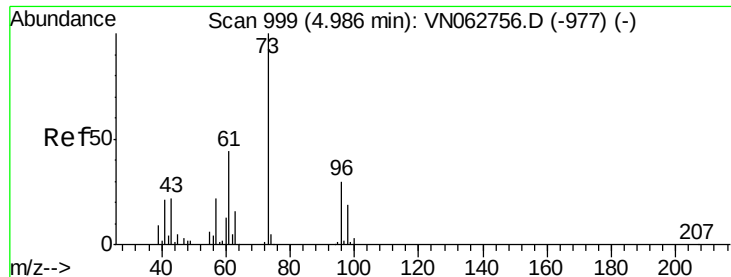
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#20
Methylene Chloride
Concen: 44.981 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.9	103.4	155.2
51	34.7	29.3	43.9
86	63.6	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 41.274 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

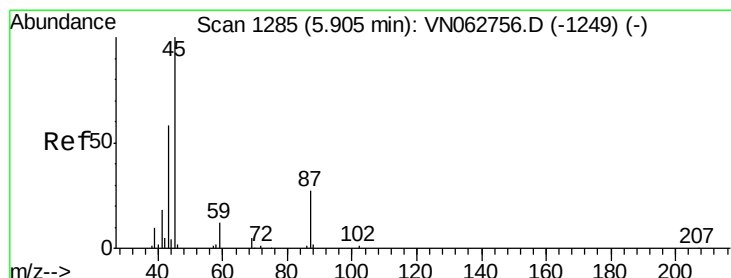
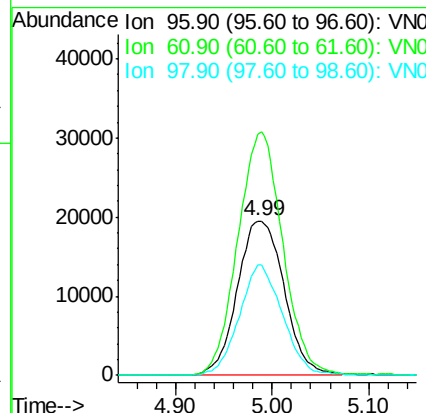
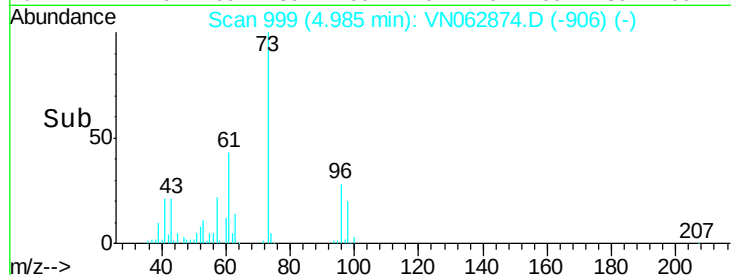
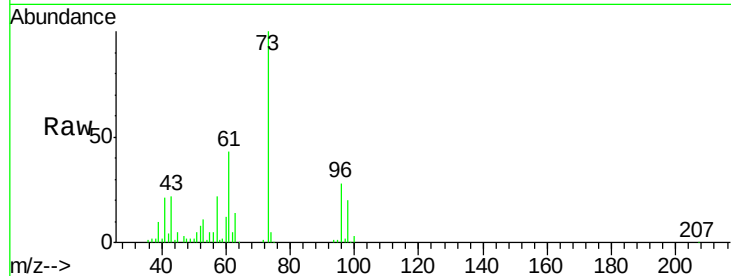
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	65728
Ion	Ratio	Lower	Upper
96	100		
61	156.2	118.8	178.2
98	71.7	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 43.270 ug/l

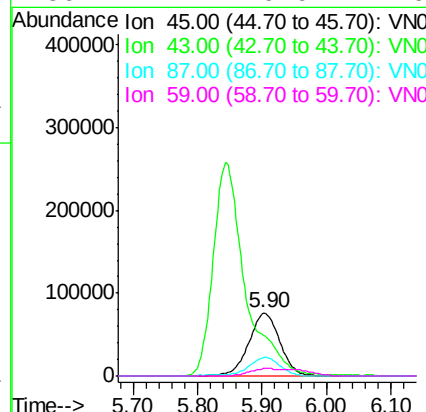
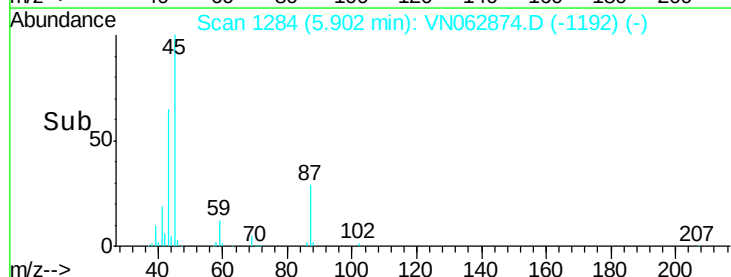
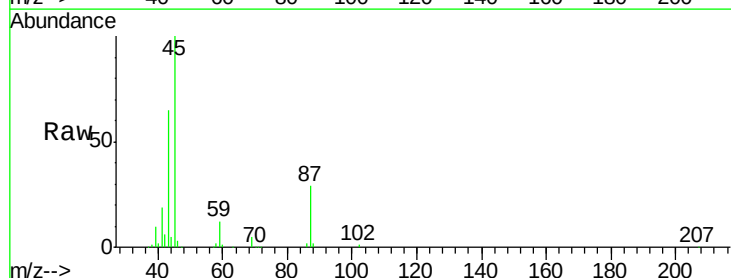
RT: 5.90 min Scan# 1284

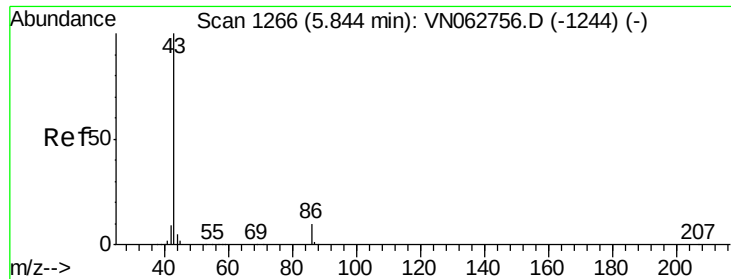
Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Tgt Ion:	45	Resp:	256637
Ion	Ratio	Lower	Upper
45	100		
43	63.5	47.4	71.2
87	29.4	22.8	34.2
59	11.1	9.9	14.9





#23

Vinyl Acetate

Concen: 197.624 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 891532

Ion Ratio Lower Upper

43 100

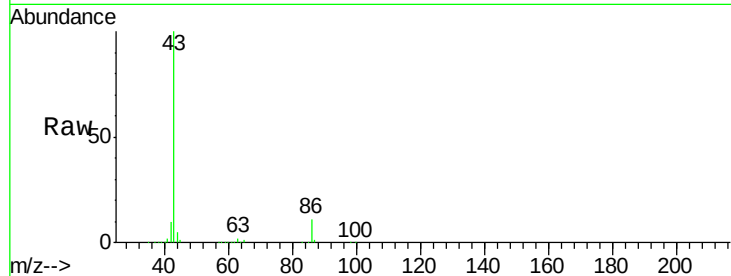
86 10.6 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

250000

200000

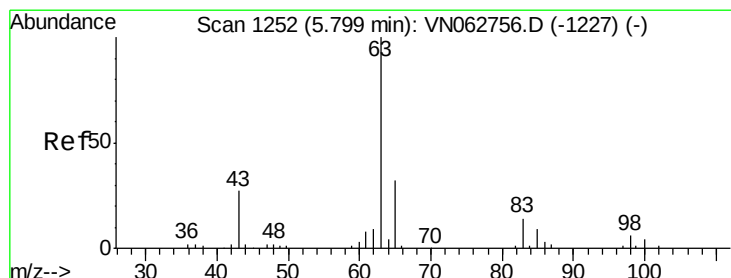
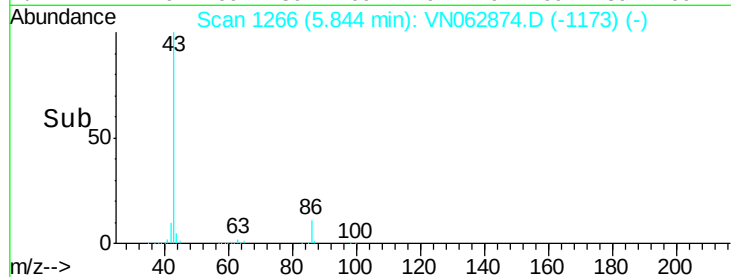
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 41.732 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

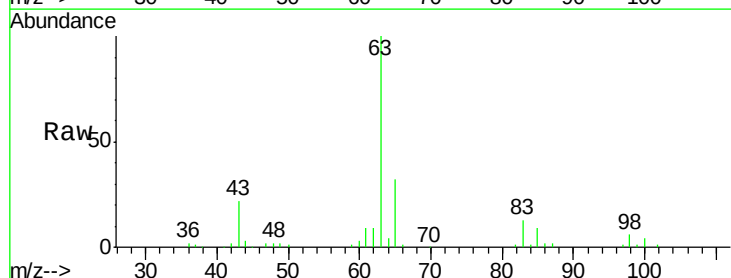
Tgt Ion: 63 Resp: 145049

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.5 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

60000

50000

40000

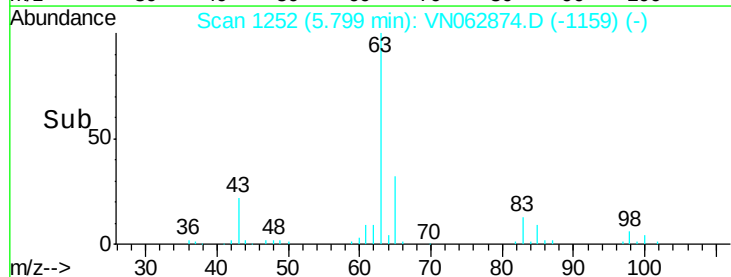
30000

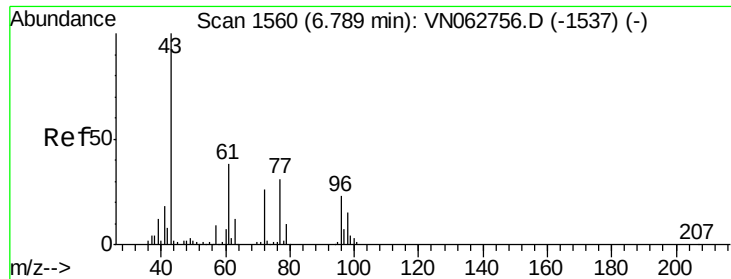
20000

10000

0

Time-->





#25

2-Butanone

Concen: 208.021 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 280152

Ion Ratio Lower Upper

43 100

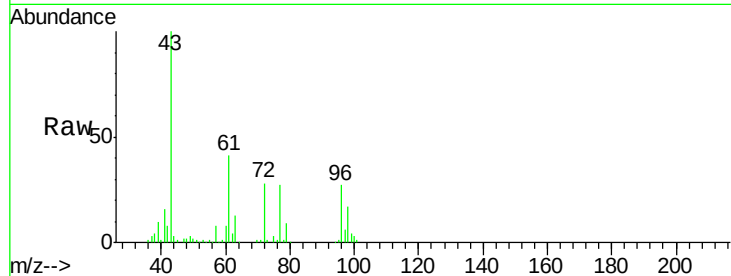
72 28.2 21.1 31.7

Manual Integrations

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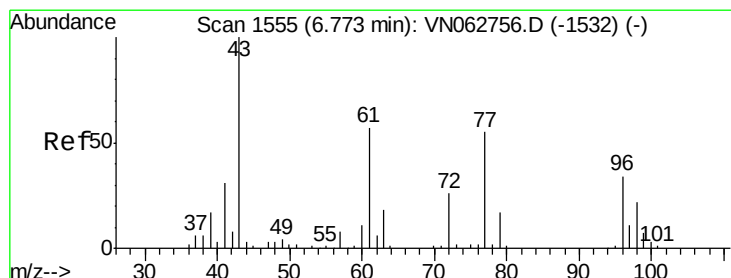
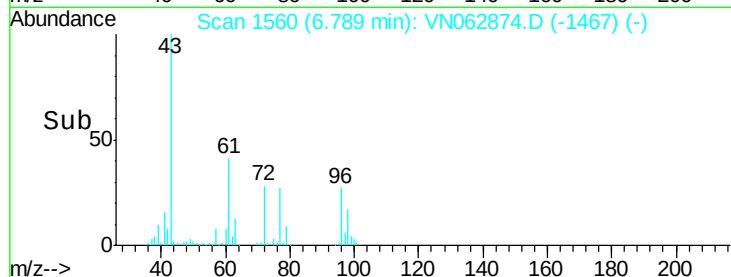
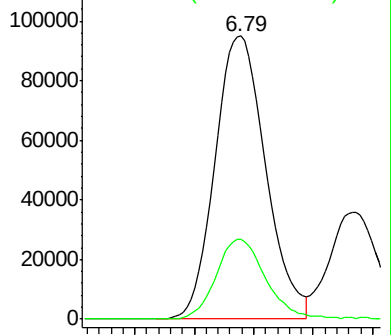
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 31.138 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.01 min

Lab File: VN062874.D

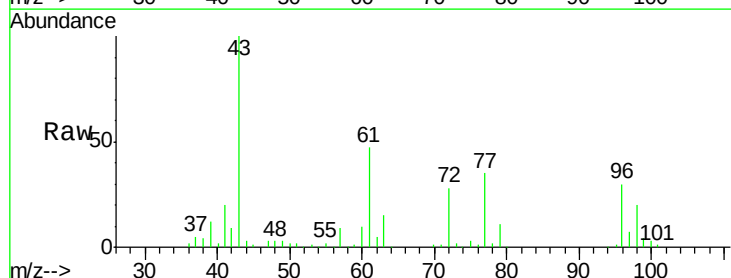
Acq: 12 Aug 2020 22:40

Tgt Ion: 77 Resp: 99761

Ion Ratio Lower Upper

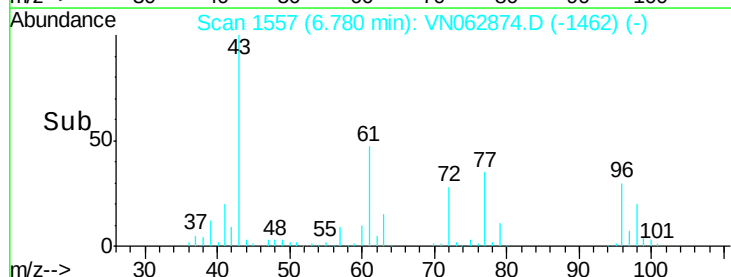
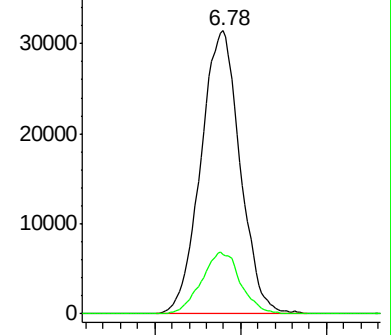
77 100

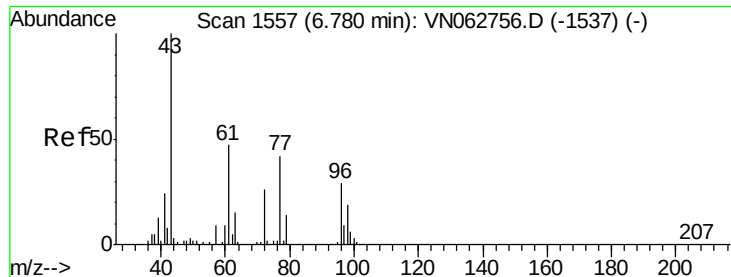
97 21.6 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 42.415 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

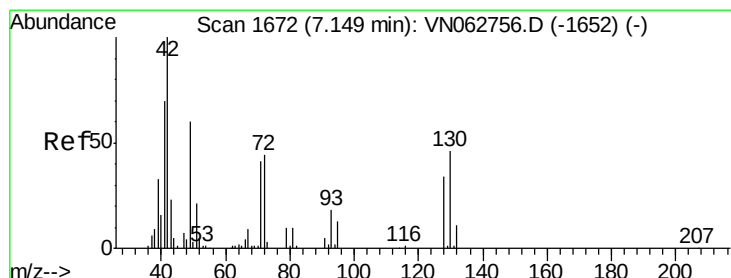
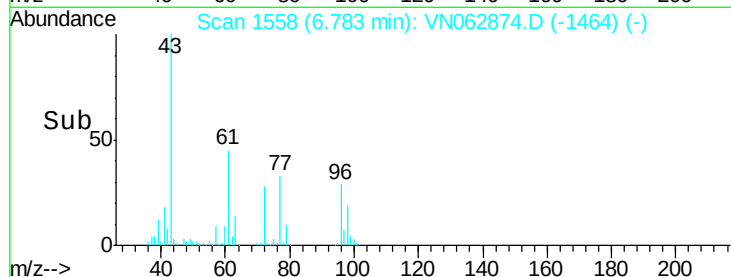
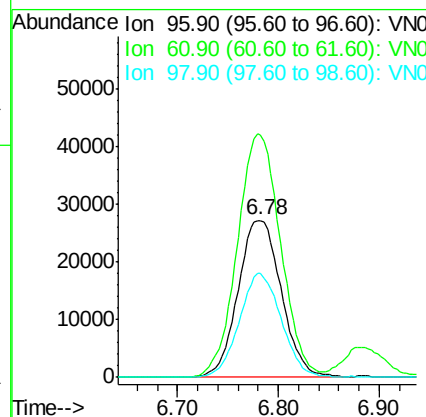
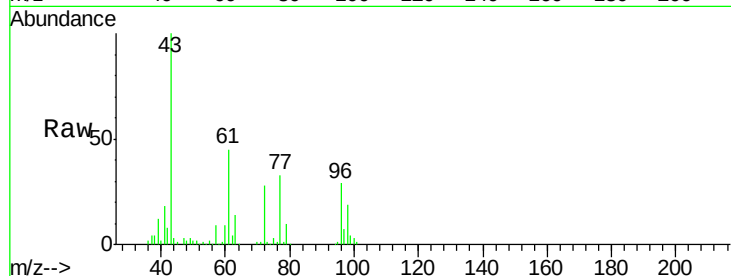
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	81026
Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	332.2
98	64.4	0.0	129.4

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#28

Bromochloromethane

Concen: 46.183 ug/l

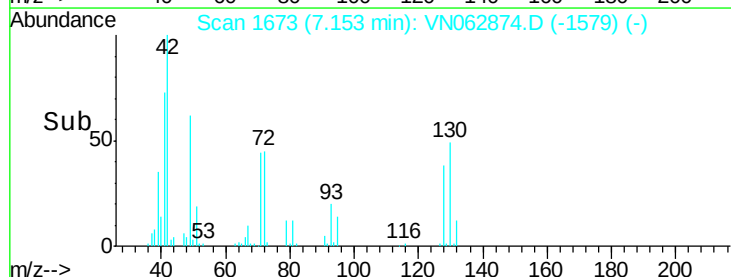
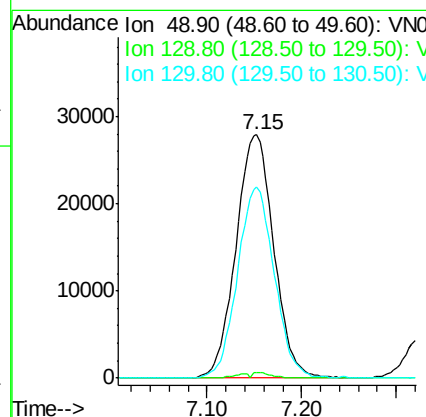
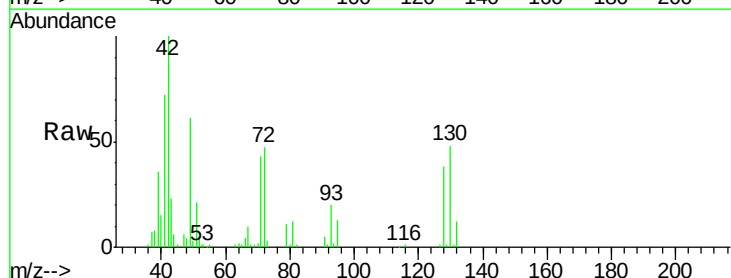
RT: 7.15 min Scan# 1673

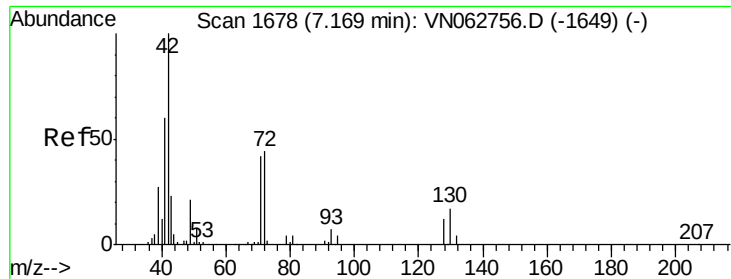
Delta R.T. 0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Tgt Ion:	49	Resp:	77470
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.2
130	76.5	59.0	88.6





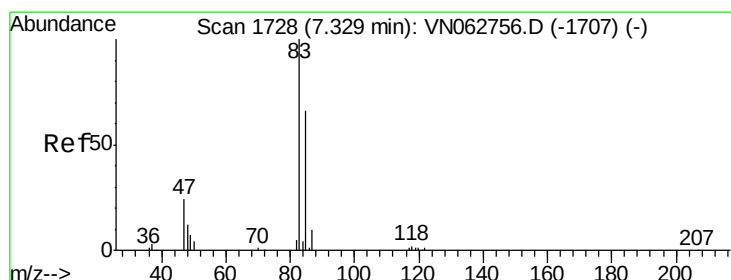
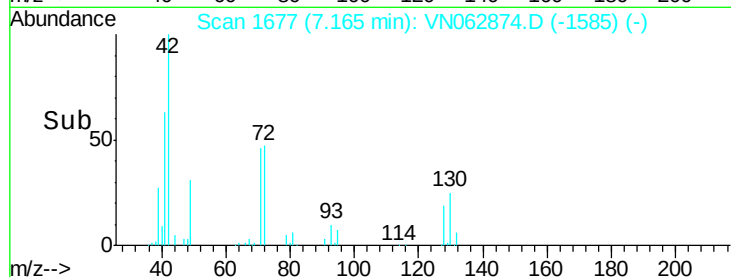
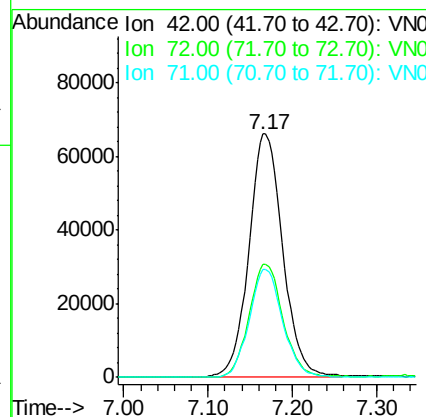
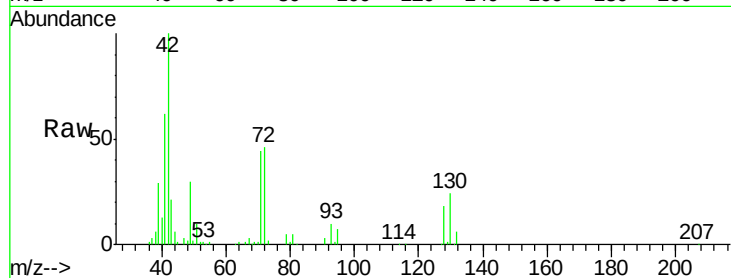
#29
Tetrahydrofuran
Concen: 211.706 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.0	52.4
71	43.6	33.2	49.8

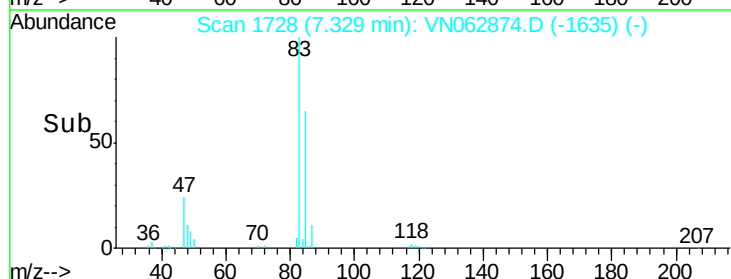
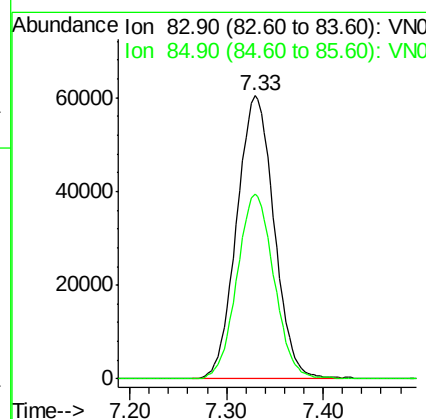
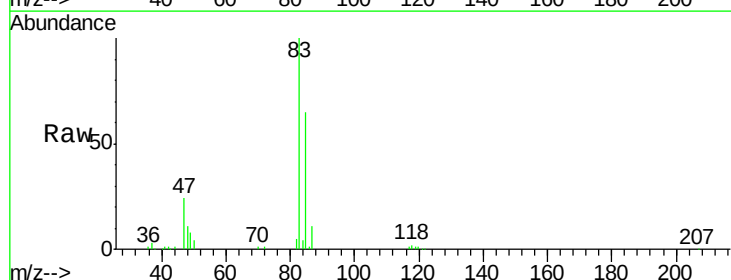
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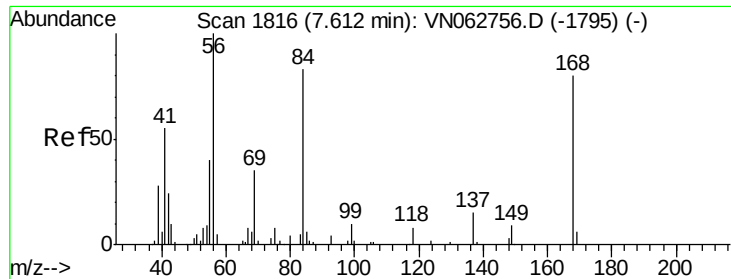
MMDadoda
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#30
Chloroform
Concen: 43.833 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.7	79.1





#31

Cyclohexane

Concen: 39.581 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

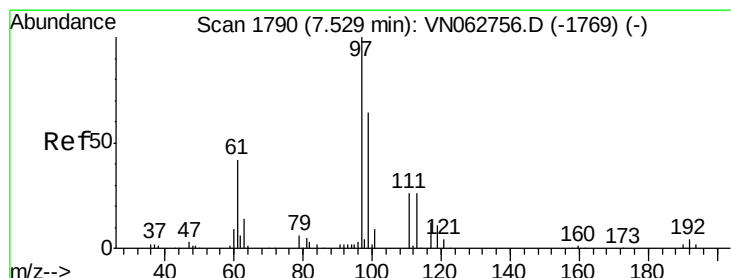
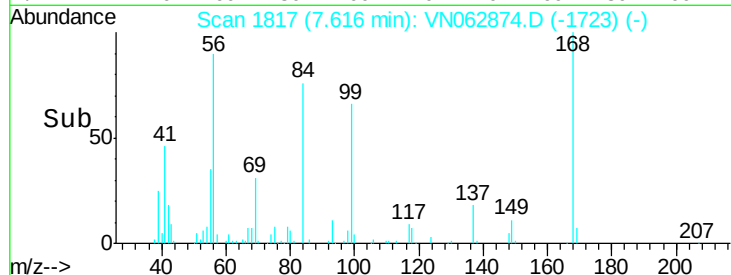
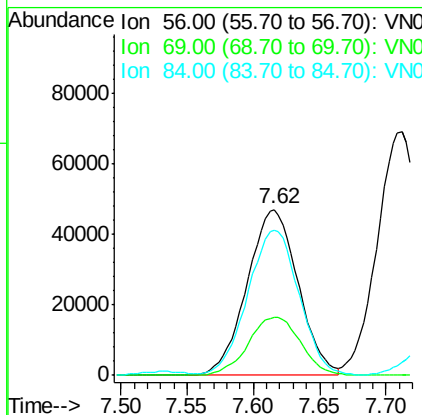
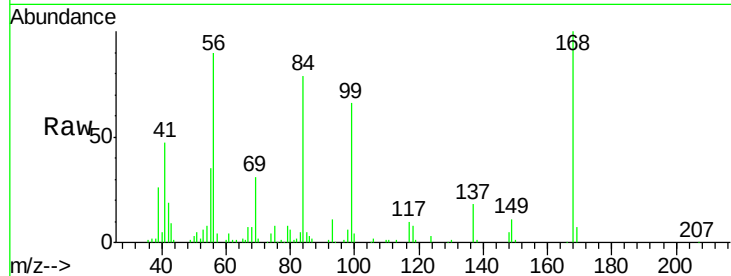
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	126284
Ion	Ratio	Lower	Upper
56	100		
69	34.8	28.1	42.1
84	86.6	66.8	100.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 43.708 ug/l

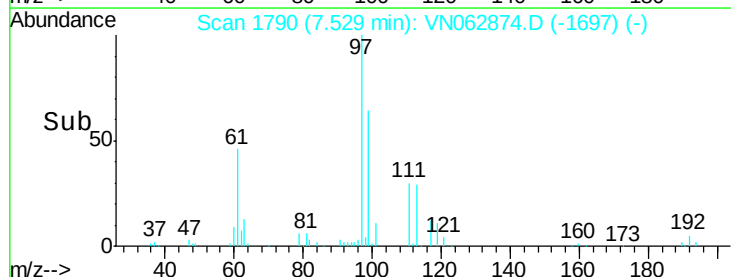
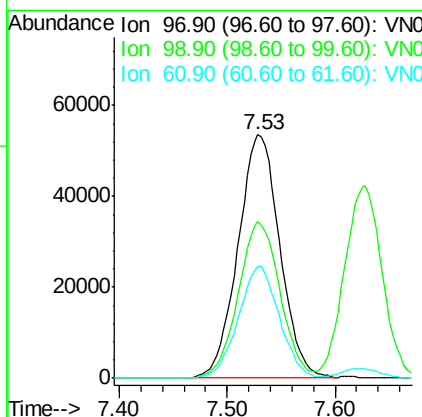
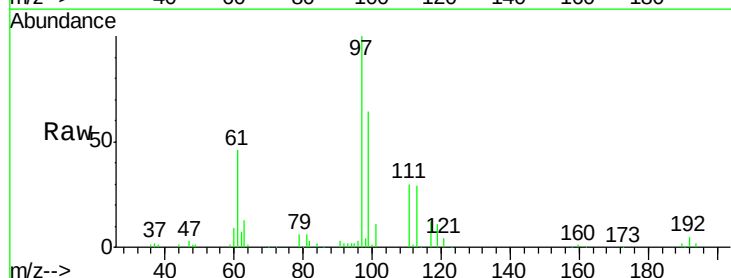
RT: 7.53 min Scan# 1790

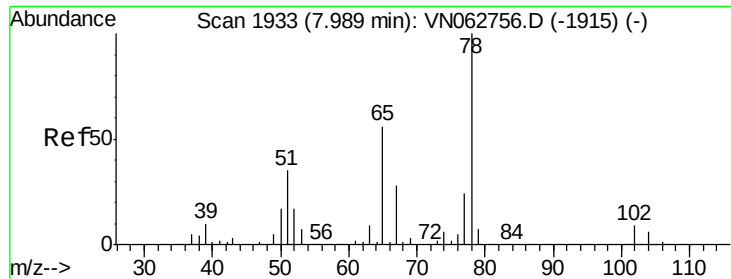
Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Tgt Ion:	97	Resp:	144347
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.0	75.0
61	44.9	34.8	52.2





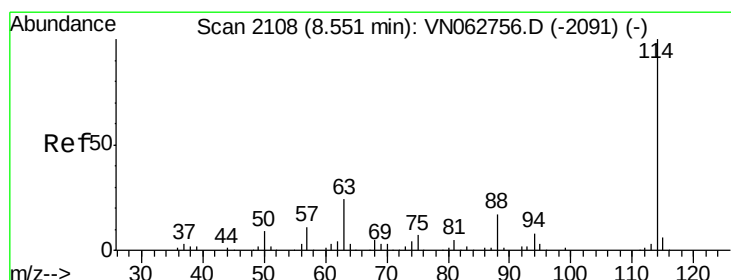
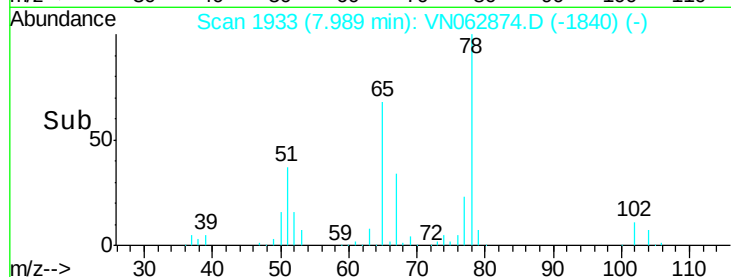
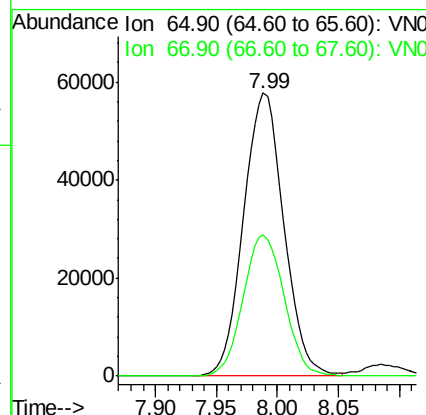
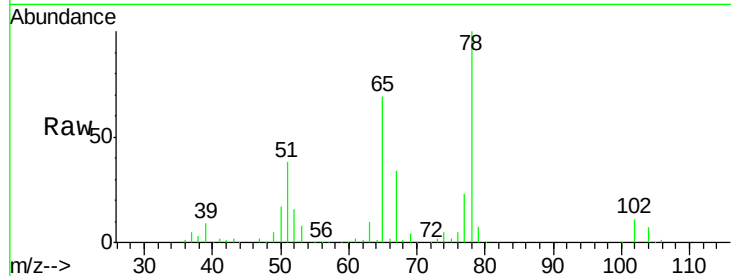
#33
 1,2-Dichloroethane-d4
 Concen: 50.205 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	132117		
67	50.7	0.0	101.4	

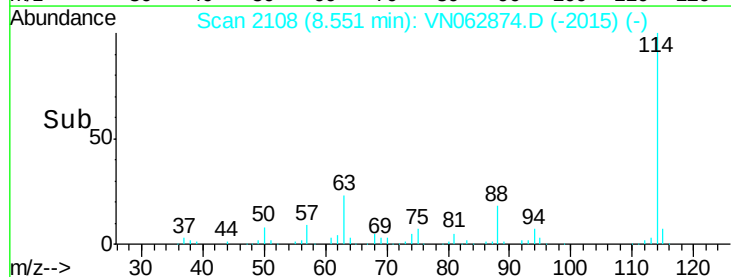
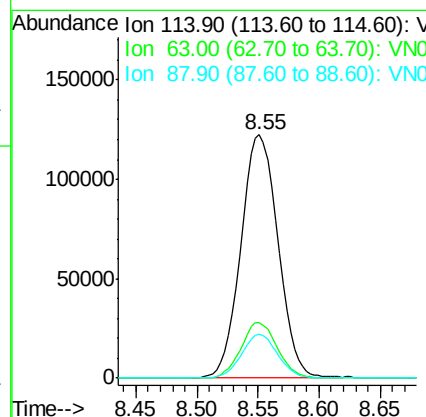
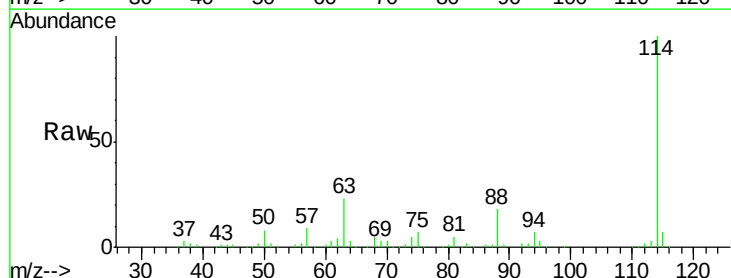
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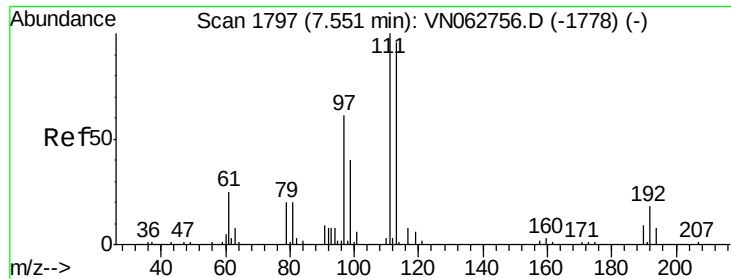
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	258305		
63	22.8	0.0	47.6	
88	18.0	0.0	34.4	





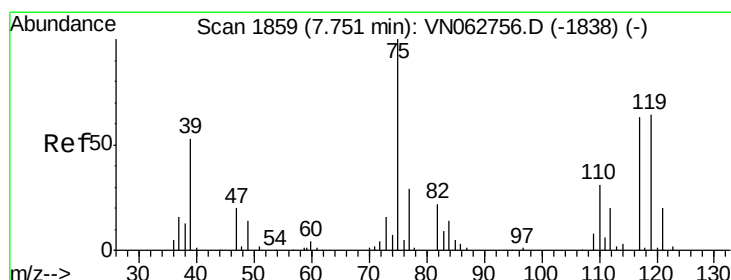
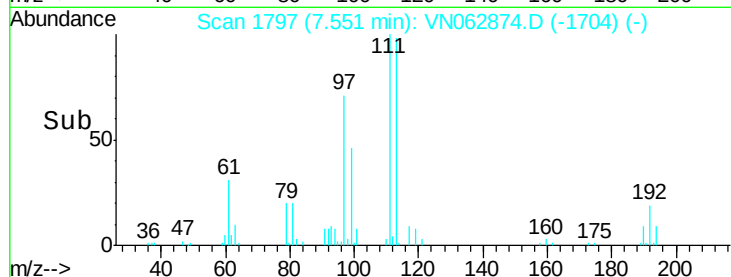
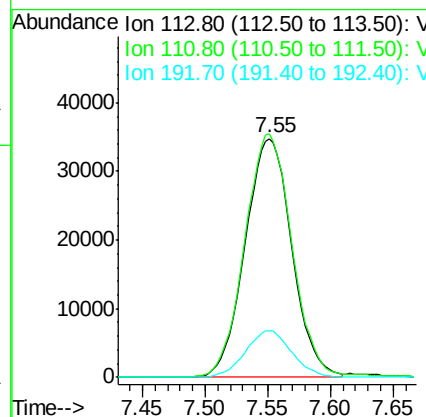
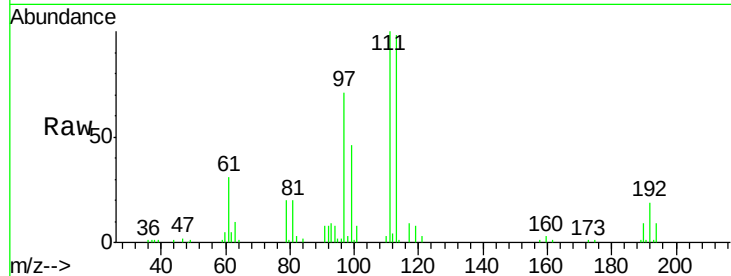
#35
 Dibromofluoromethane
 Concen: 50.897 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	81.8	122.6	
192	19.3	15.0	22.4	

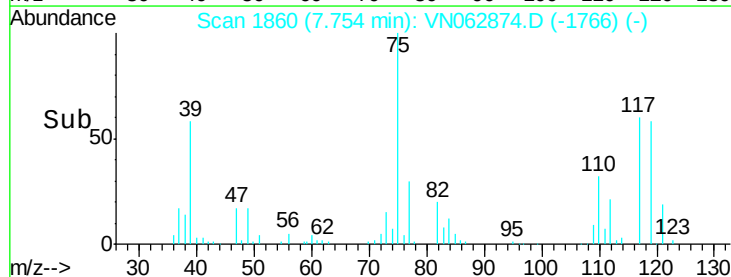
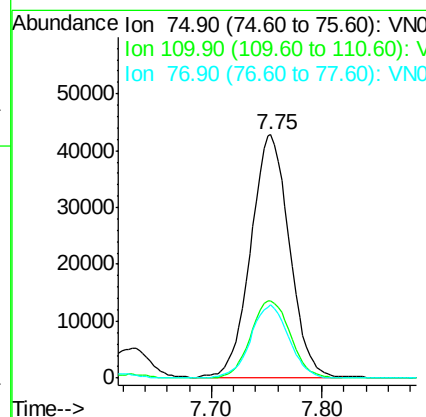
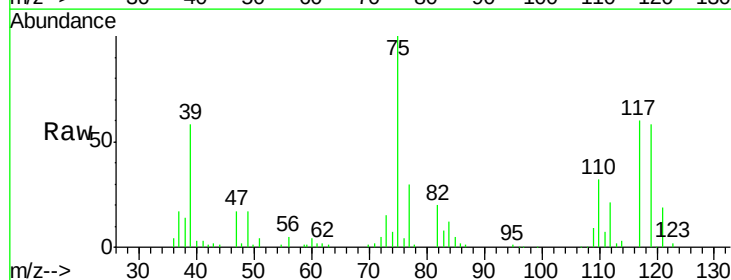
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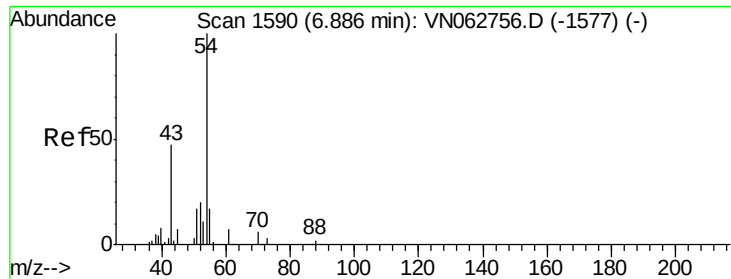
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#36
 1,1-Dichloropropene
 Concen: 40.993 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.7	15.6	46.7	
77	29.8	24.1	36.1	





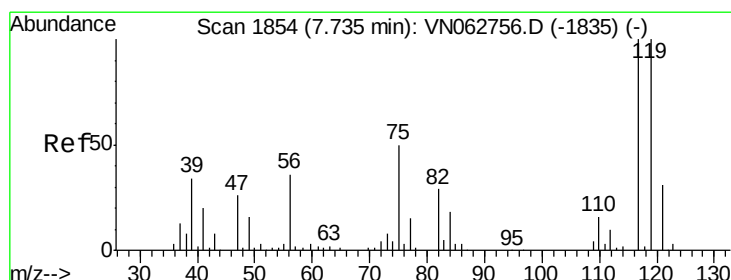
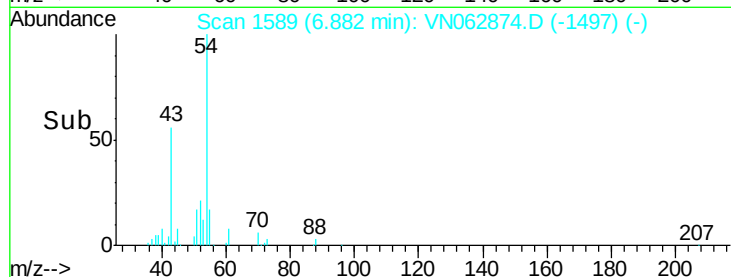
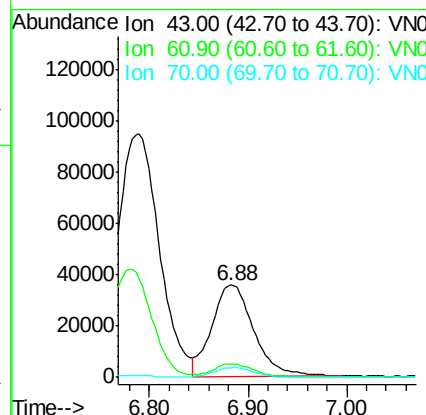
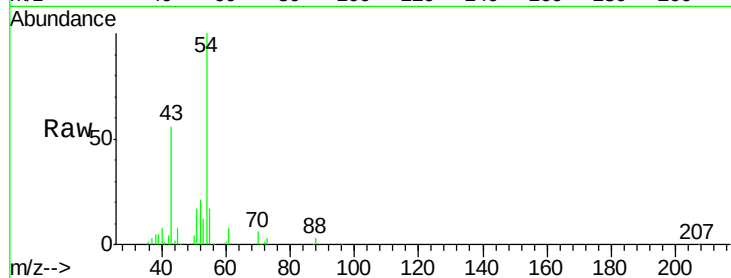
#37
Ethyl Acetate
Concen: 40.345 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.1	18.1
70	10.6	8.3	12.5

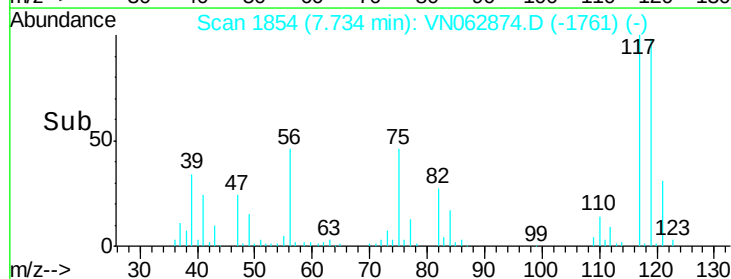
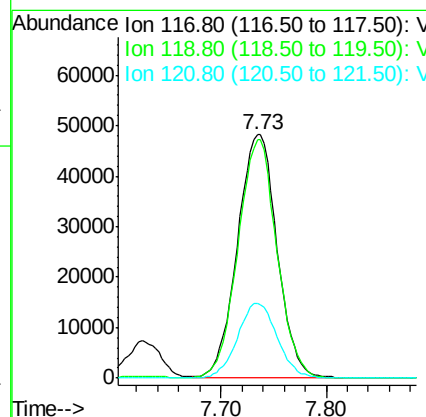
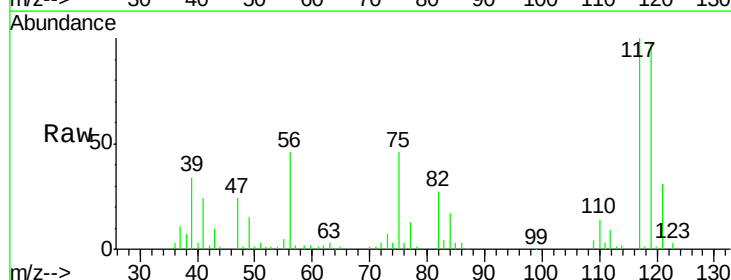
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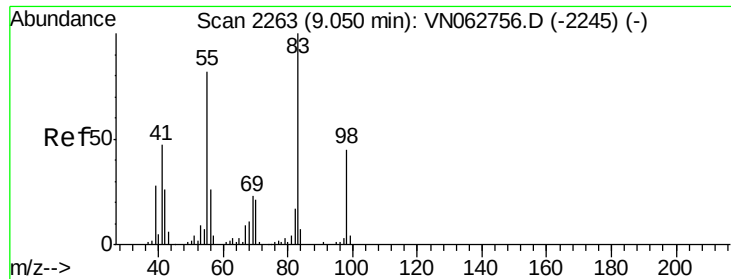
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#38
Carbon Tetrachloride
Concen: 42.368 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	79.4	119.2
121	30.7	24.9	37.3





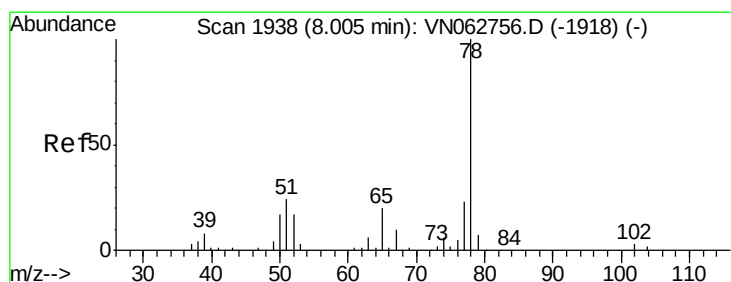
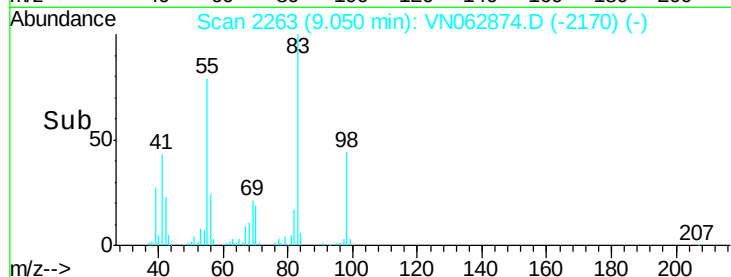
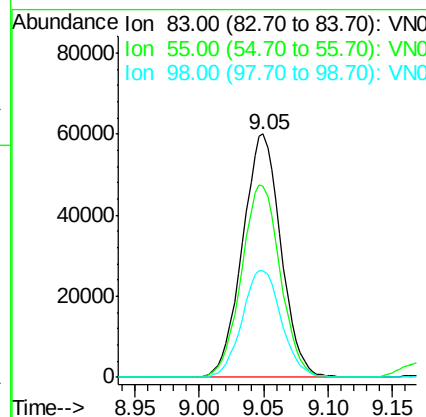
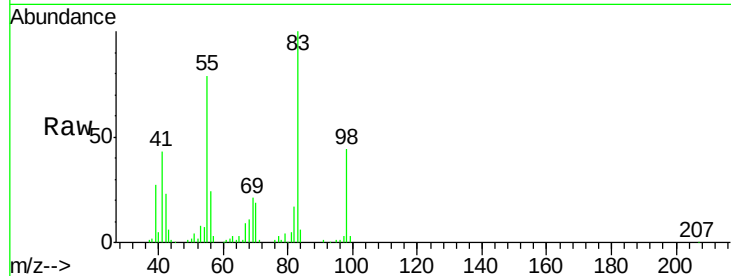
#39
Methylvlcyclohexane
Concen: 41.153 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	65.7	98.5
98	44.0	35.6	53.4

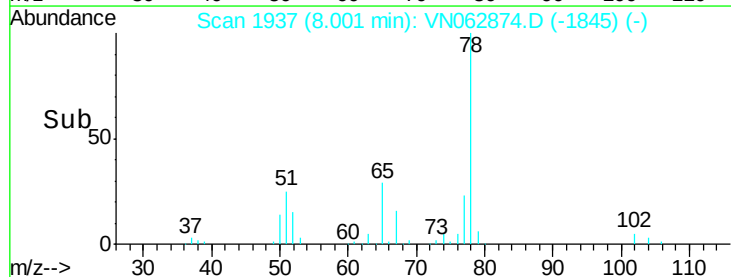
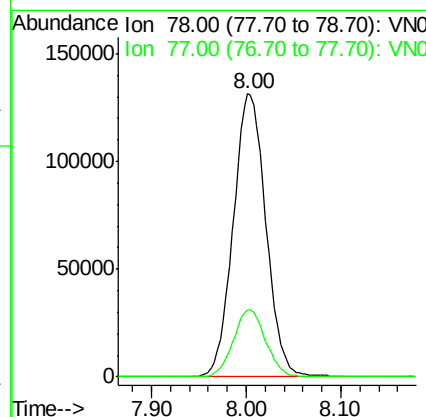
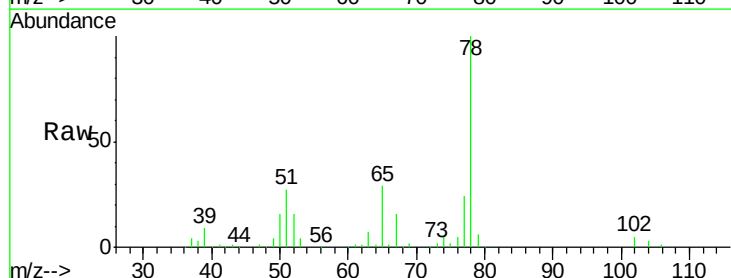
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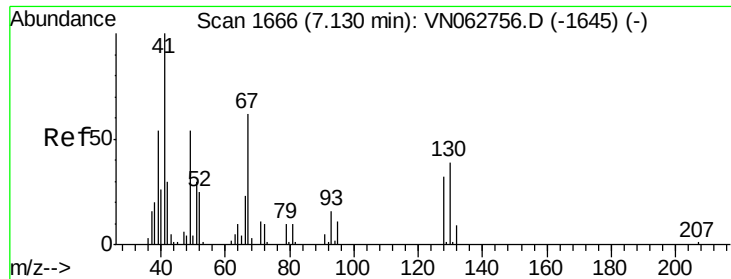
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#40
Benzene
Concen: 41.915 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.1	27.1





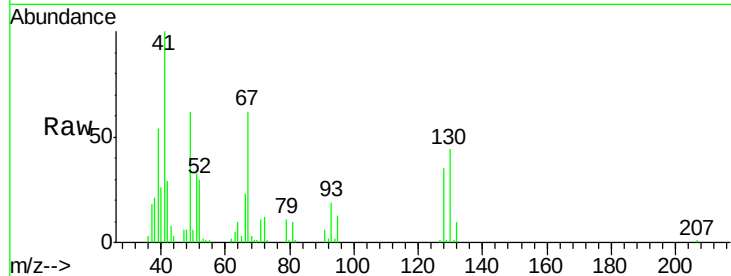
#41
Methacrylonitrile
Concen: 40.366 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

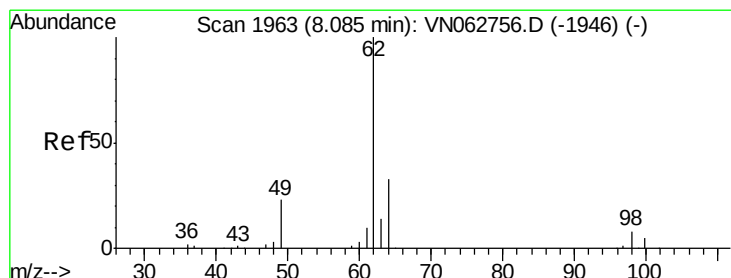
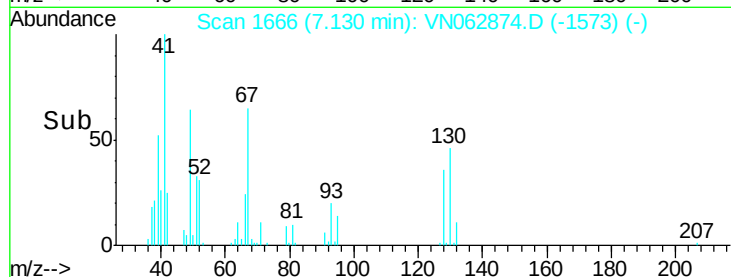
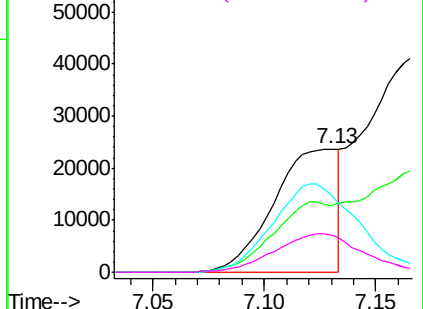
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	69.4	104.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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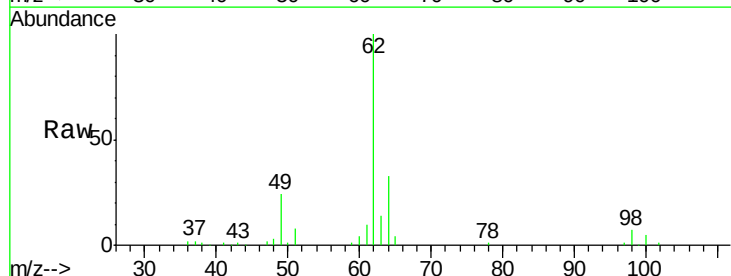


Abundance Ion 41.00 (40.70 to 41.70): VN062756.D (-1645) (-)
Ion 39.00 (38.70 to 39.70): VN062756.D (-1645) (-)
Ion 67.00 (66.70 to 67.70): VN062756.D (-1645) (-)
Ion 52.00 (51.70 to 52.70): VN062756.D (-1645) (-)

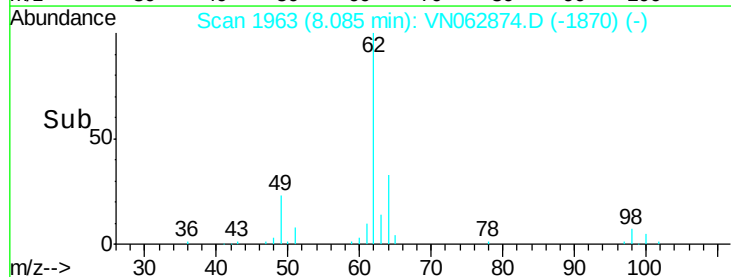
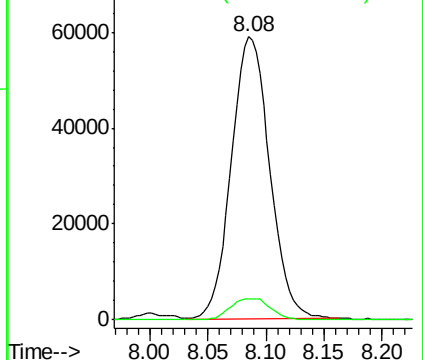


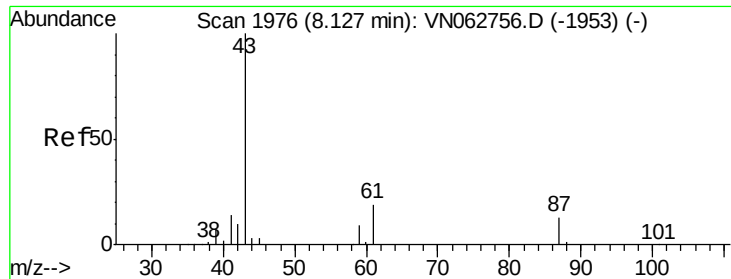
#42
1,2-Dichloroethane
Concen: 42.397 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN062756.D (-1946) (-)
Ion 97.90 (97.60 to 98.60): VN062756.D (-1946) (-)





#43

Isopropyl Acetate

Concen: 39.764 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

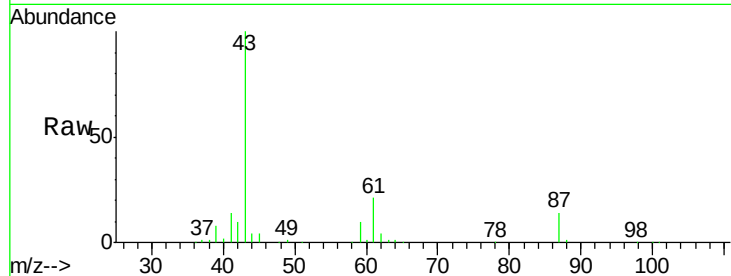
ClientSampleId :

VSTDCCC050

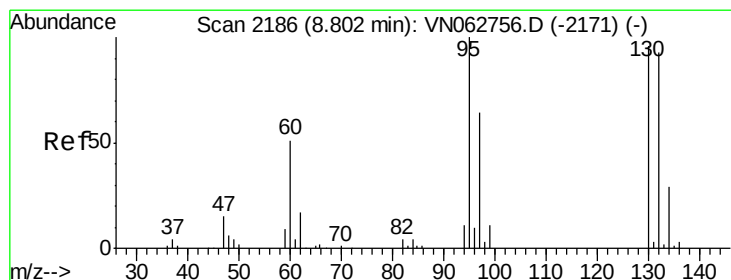
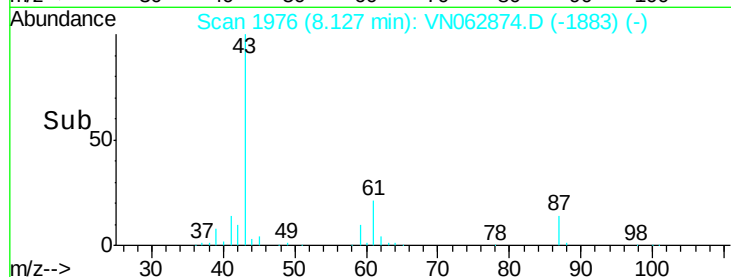
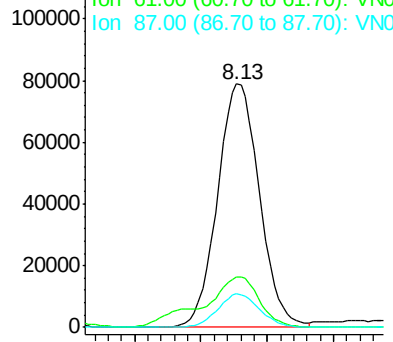
Tot Ion:	43	Resp:	174257
Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.8	23.6
87	13.6	9.9	14.9

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Abundance Ion 43.00 (42.70 to 43.70): VN062874.D (-1883) (-)



#44

Trichloroethene

Concen: 42.542 ug/l

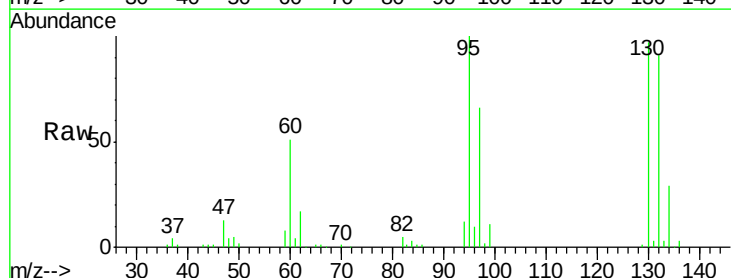
RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

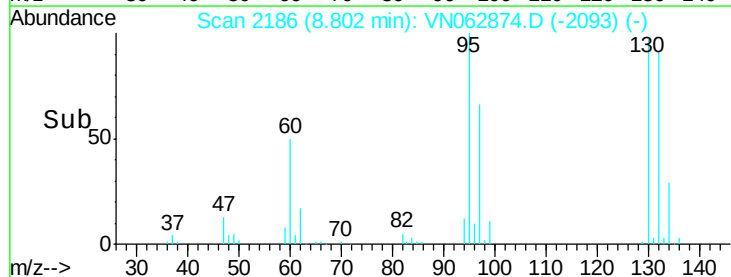
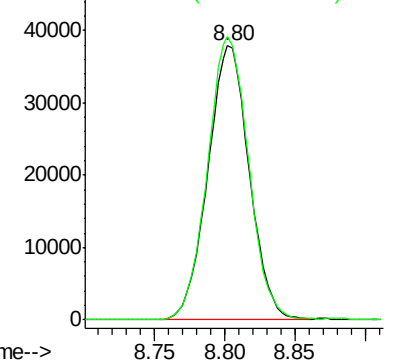
Lab File: VN062874.D

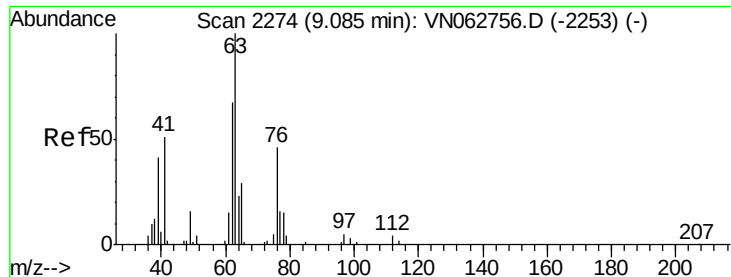
Acq: 12 Aug 2020 22:40

Tgt Ion:	130	Resp:	77790
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	207.6



Abundance Ion 129.80 (129.50 to 130.50): VN062874.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 42.445 ug/l

RT: 9.09 min Scan# 2275

Delta R.T. 0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 86219

Ion Ratio Lower Upper

63 100

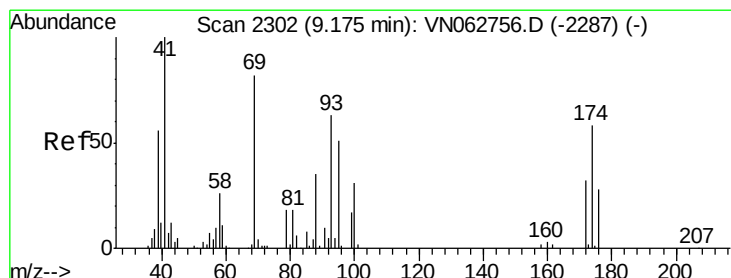
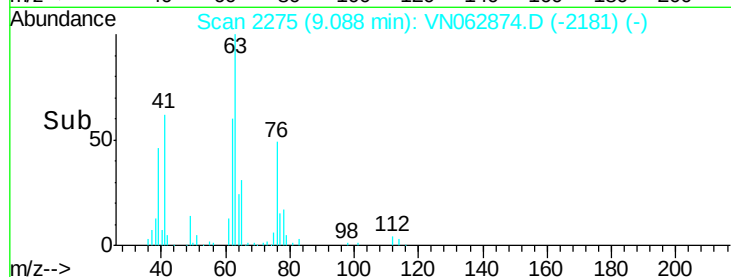
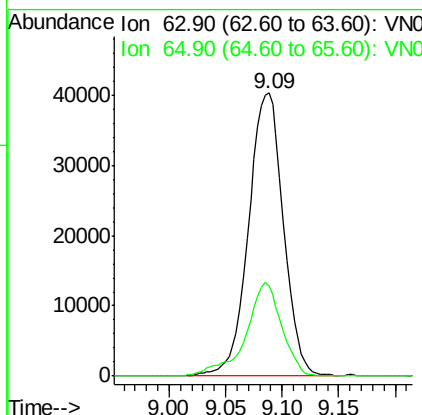
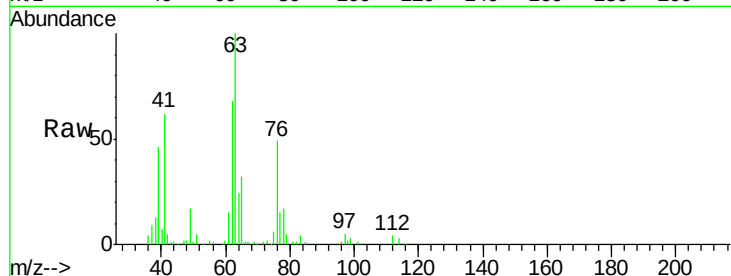
65 32.0 23.5 35.3

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#46

Dibromomethane

Concen: 44.148 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

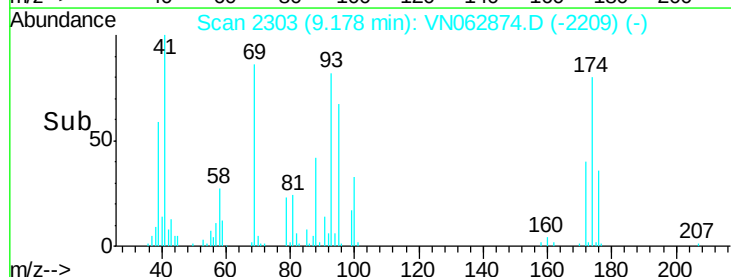
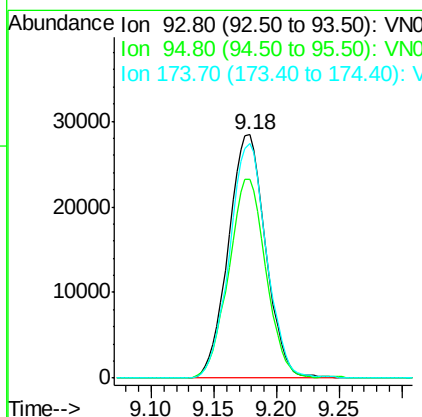
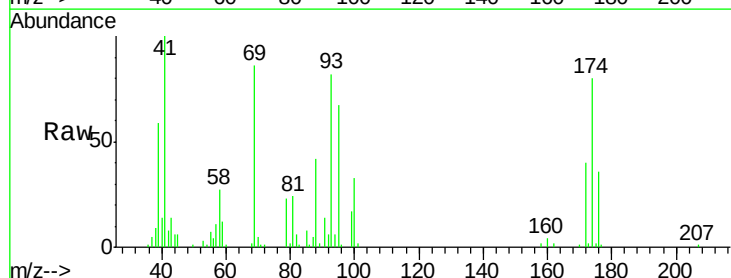
Tgt Ion: 93 Resp: 58758

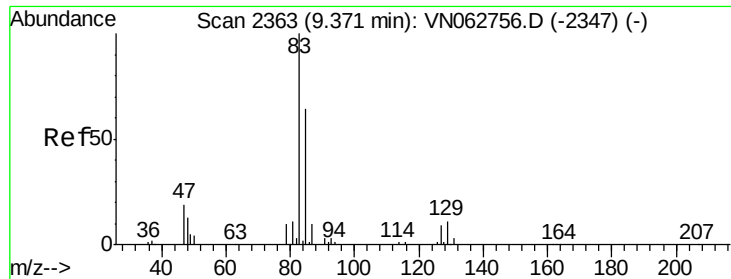
Ion Ratio Lower Upper

93 100

95 81.5 65.1 97.7

174 95.3 73.9 110.9





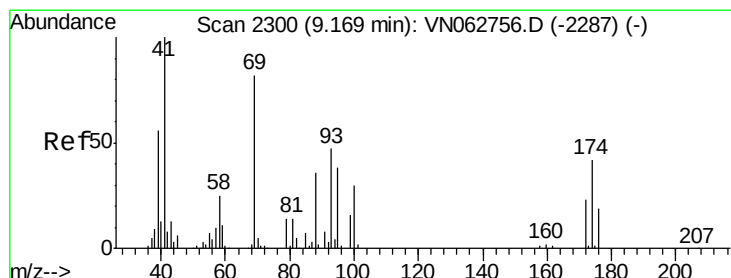
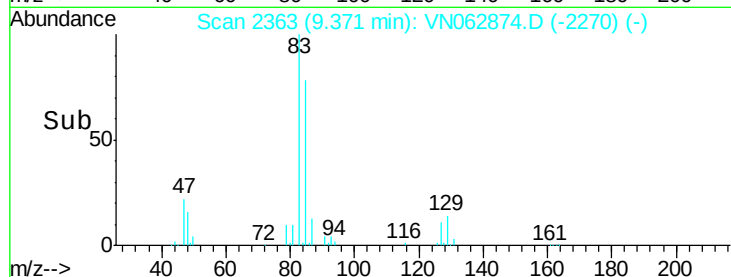
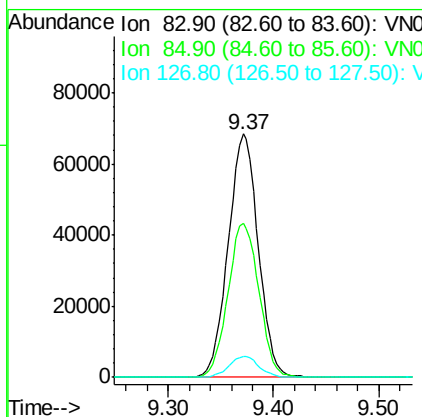
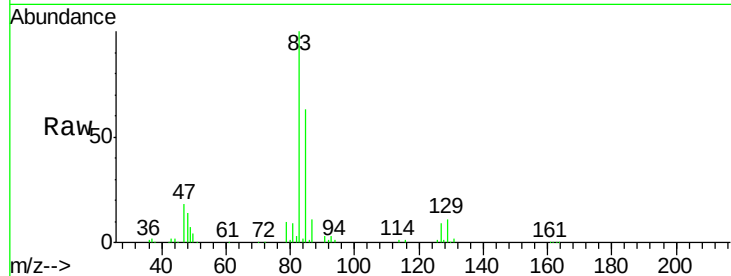
#47
Bromodichloromethane
Concen: 45.099 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	134812
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	51.4	77.0
127	8.6	6.9	10.3

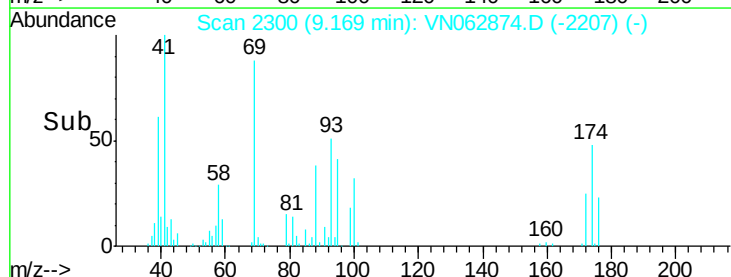
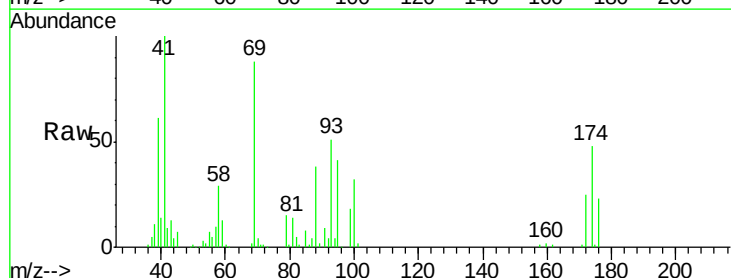
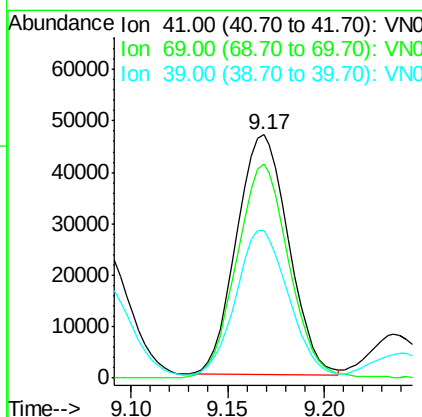
Manual Integrations
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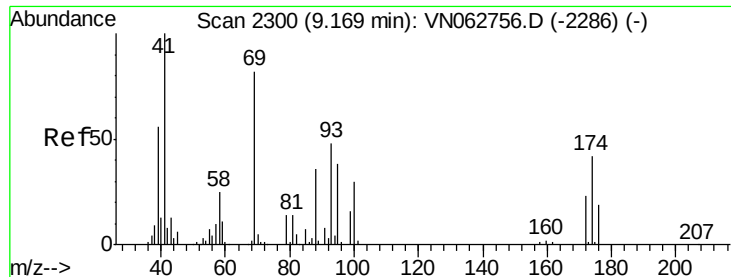
MMDadoda
8/13/2020 10:56:19 AM



#48
Methyl methacrylate
Concen: 40.591 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	41	Resp	87493
Ion Ratio	100	Lower	Upper
41	100		
69	89.7	67.4	101.2
39	60.7	47.6	71.4





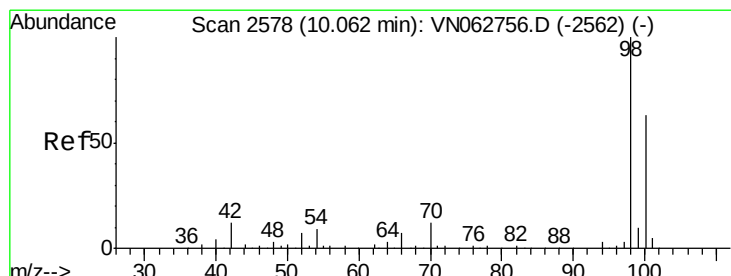
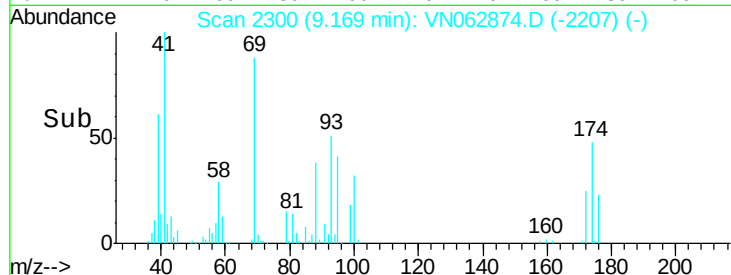
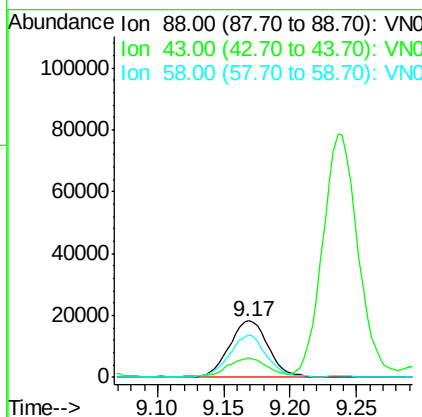
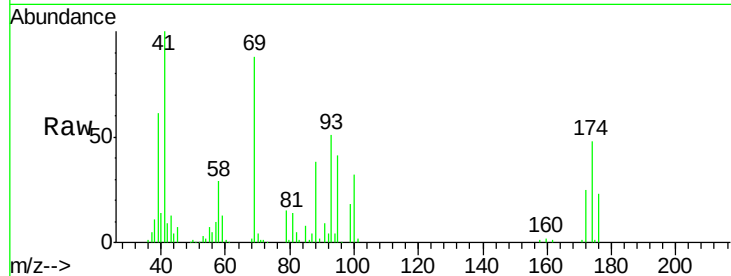
#49
1,4-Dioxane
Concen: 934.504 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	29.5	44.3
58	71.3	59.8	89.8

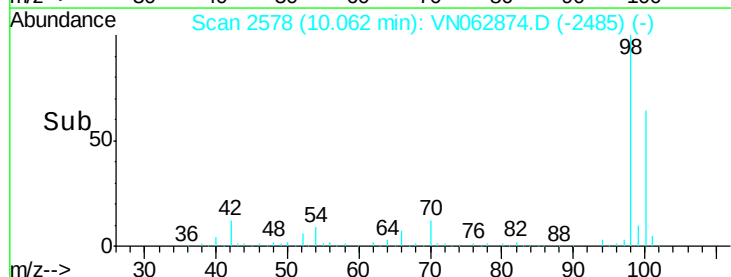
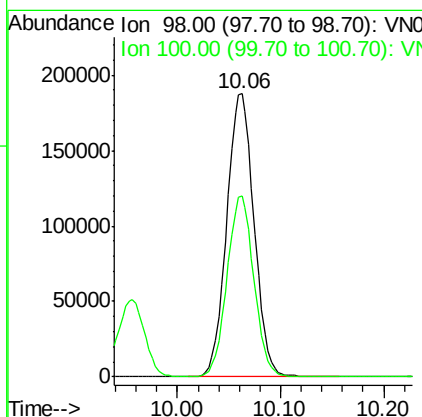
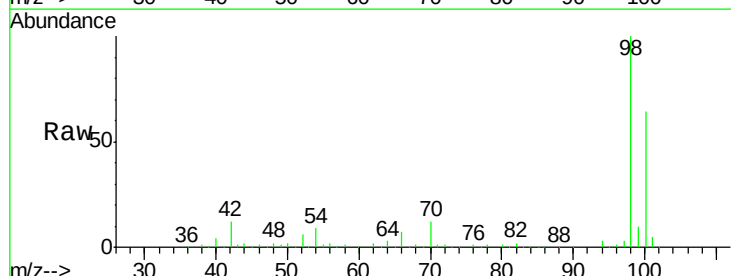
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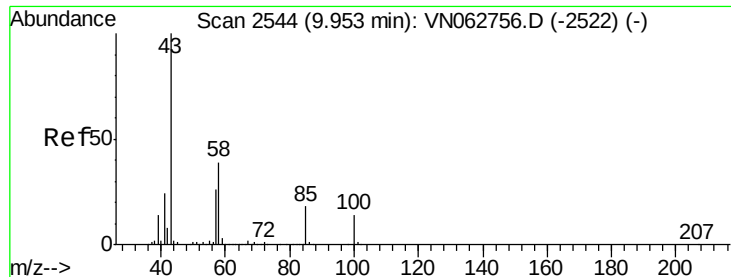
MMDadoda
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#50
Toluene-d8
Concen: 50.316 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 213.211 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 604537

Ion Ratio Lower Upper

43 100

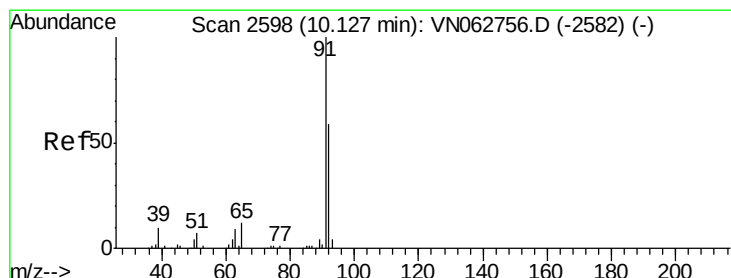
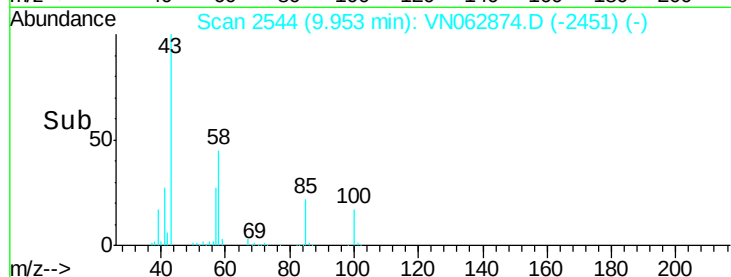
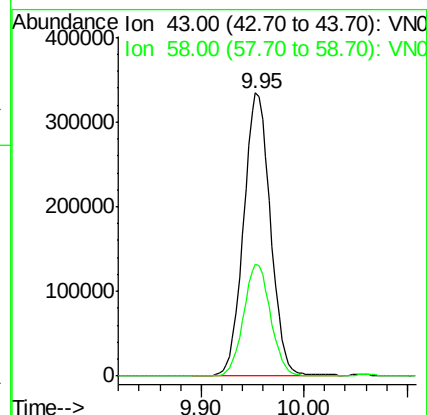
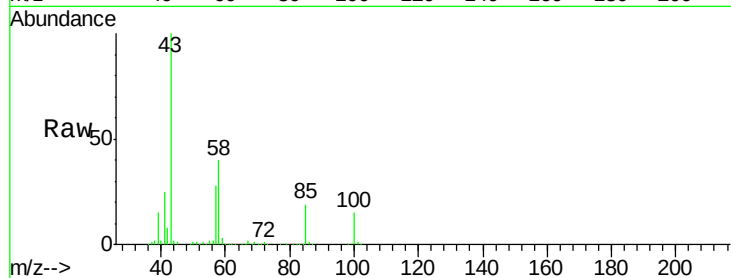
58 39.8 31.1 46.7

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#52

Toluene

Concen: 44.562 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062874.D

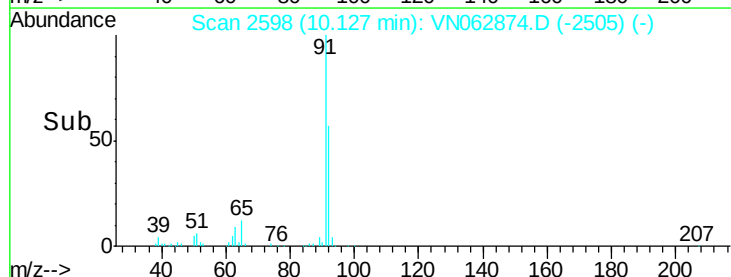
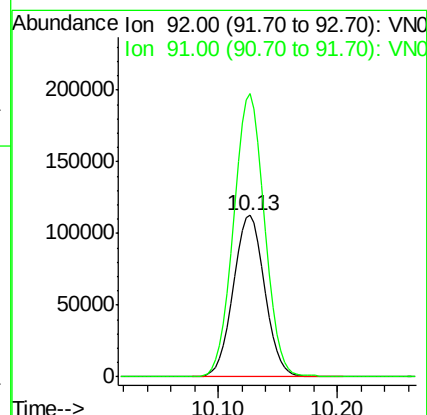
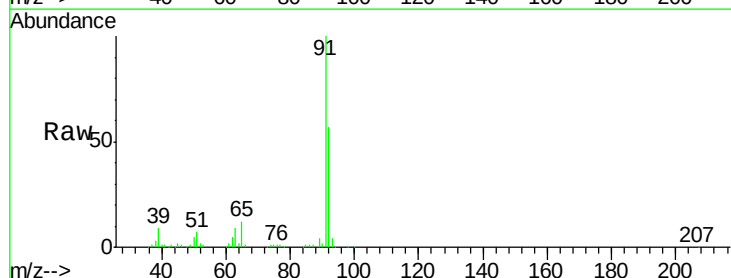
Acq: 12 Aug 2020 22:40

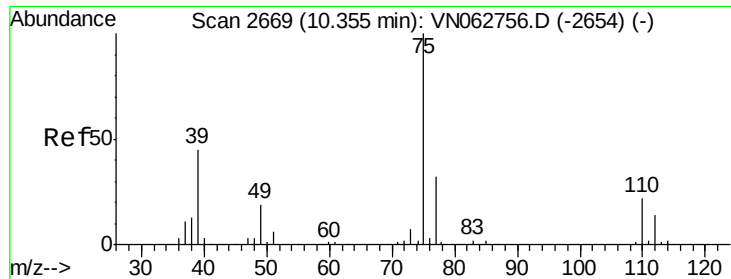
Tgt Ion: 92 Resp: 206498

Ion Ratio Lower Upper

92 100

91 172.6 138.9 208.3





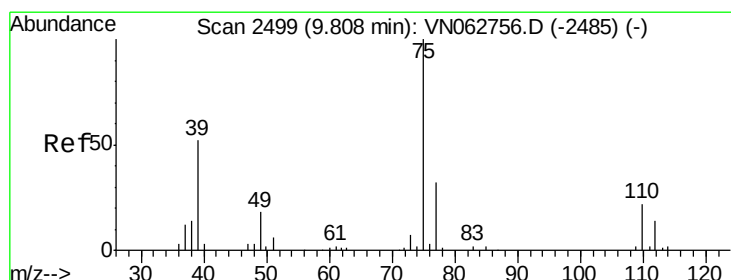
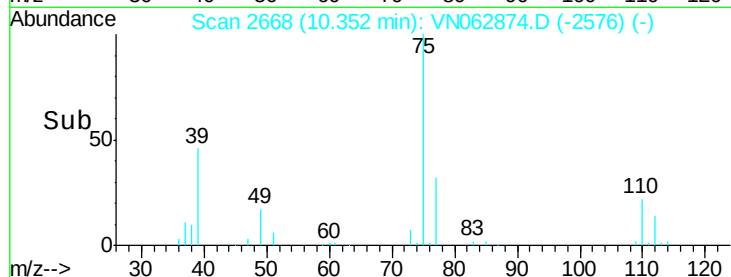
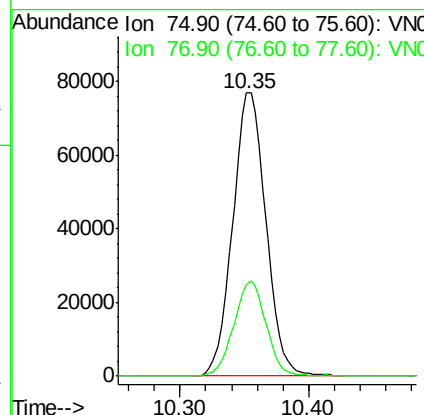
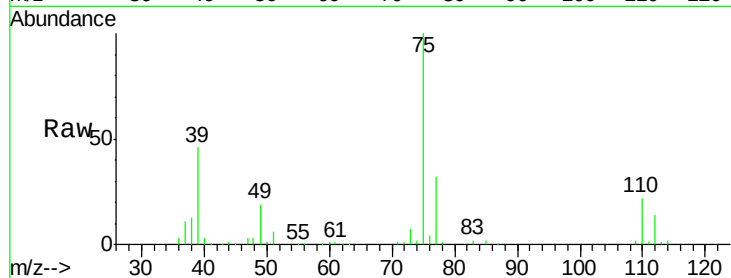
#53
 t-1,3-Dichloropropene
 Concen: 41.835 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 137555
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.2

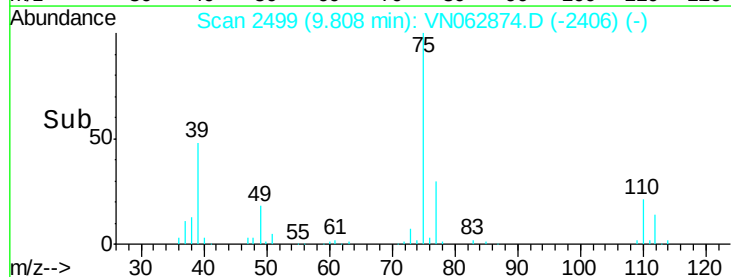
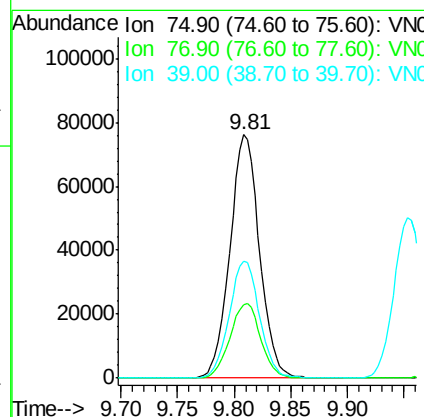
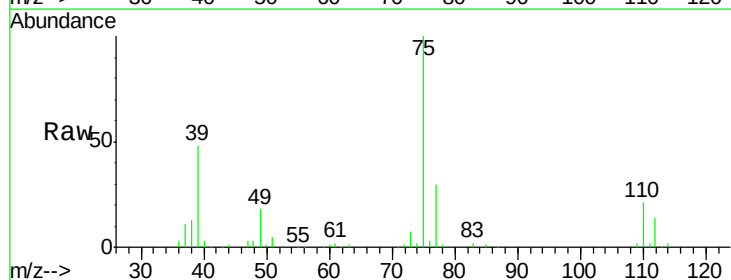
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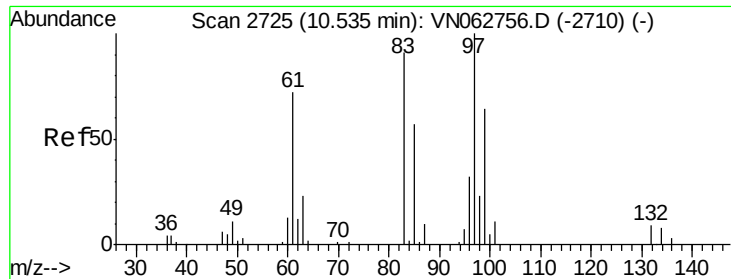
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#54
 cis-1,3-Dichloropropene
 Concen: 41.970 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Tgt Ion: 75 Resp: 138553
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.5 38.3
 39 48.1 41.9 62.9





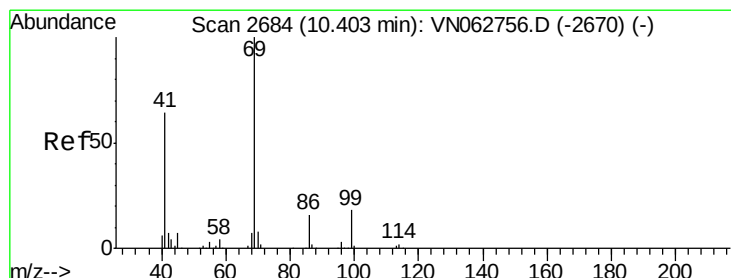
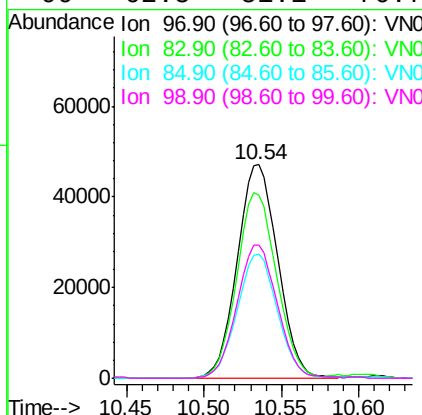
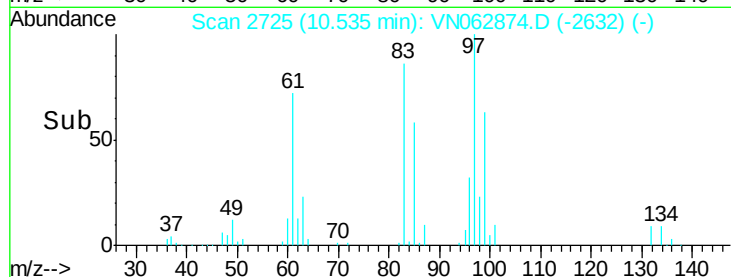
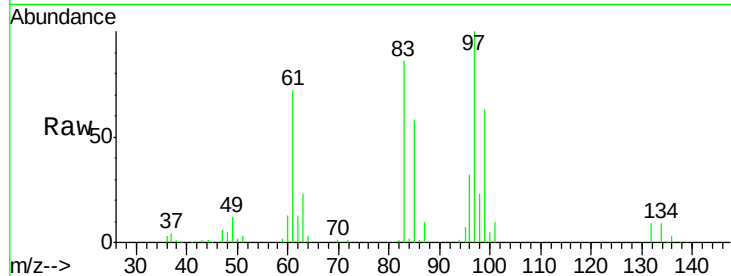
#55
 1,1,2-Trichloroethane
 Concen: 43.441 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		85974		
83	85.9	72.6	108.8		
85	58.4	46.0	69.0		
99	62.5	51.1	76.7		

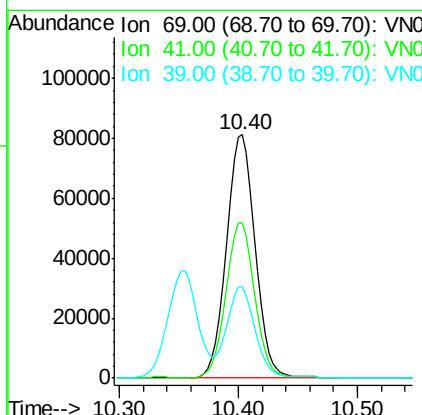
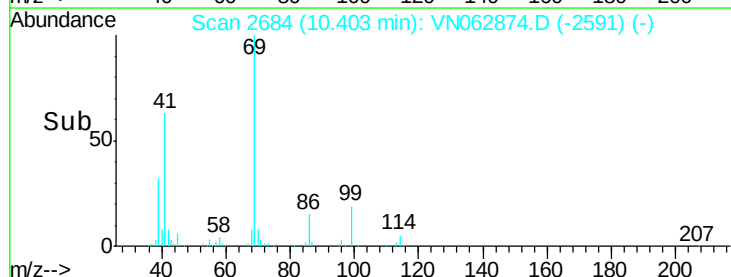
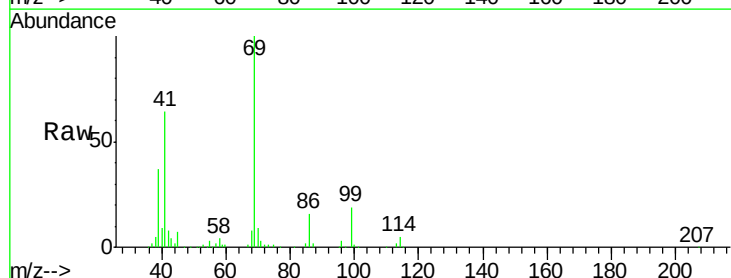
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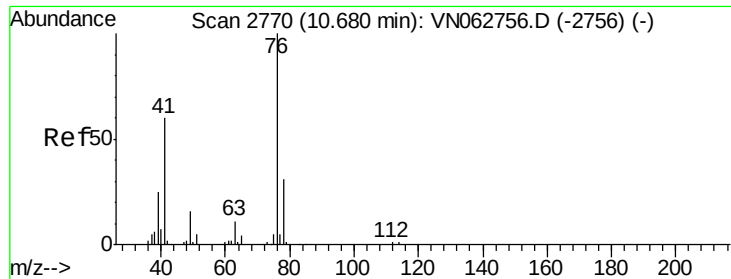
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#56
 Ethyl methacrylate
 Concen: 45.660 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		136018		
41	63.2	52.2	78.2		
39	37.2	30.9	46.3		





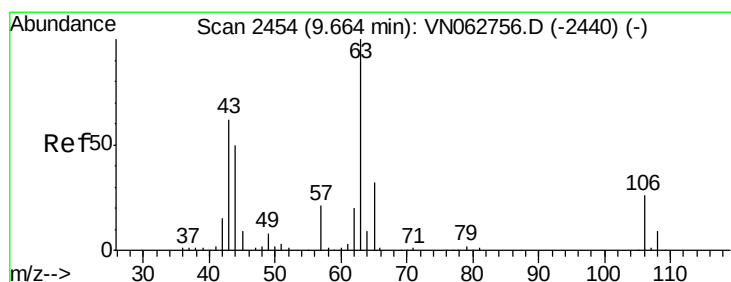
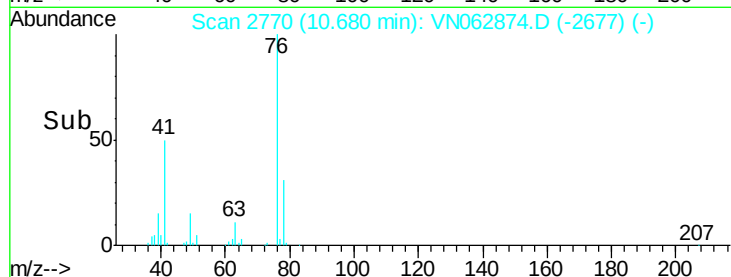
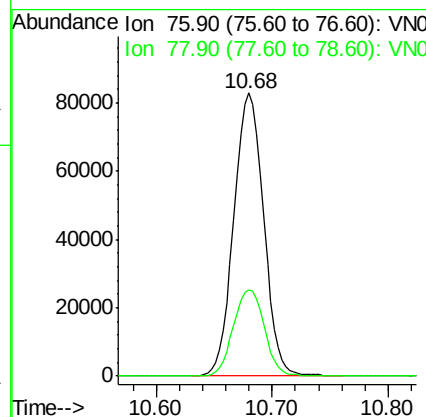
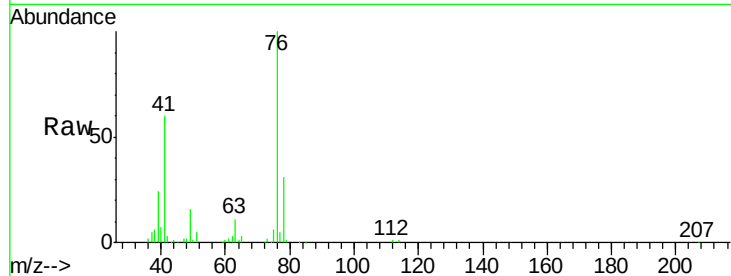
#57
 1,3-Dichloropropane
 Concen: 44.075 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 148213
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0

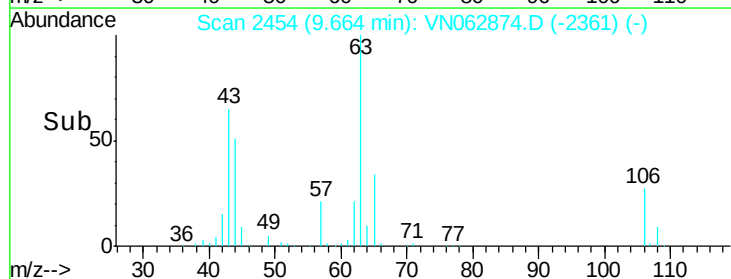
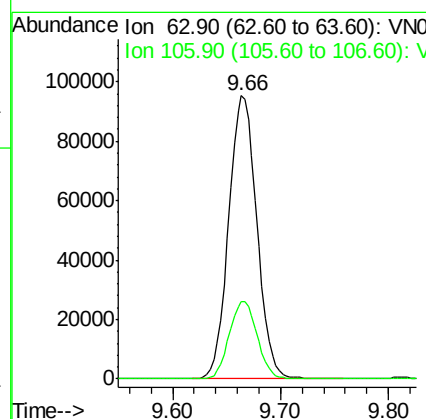
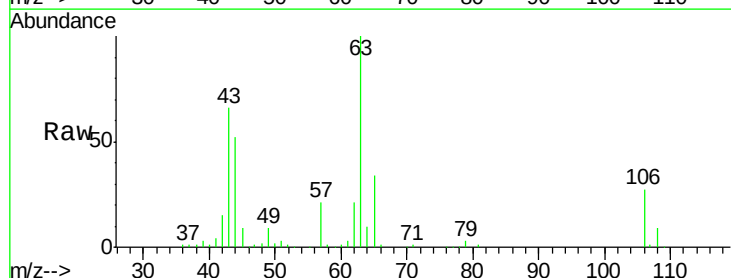
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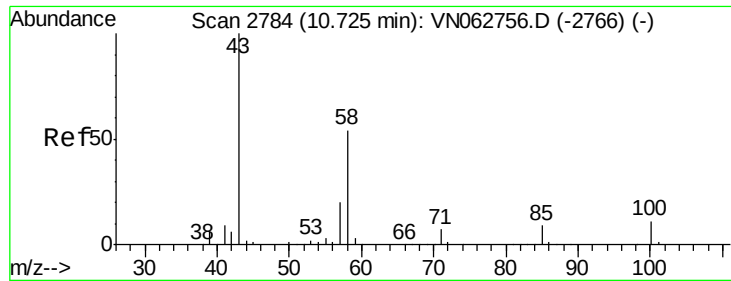
MMDadoda
 8/13/2020 10:56:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 206.264 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Tgt Ion: 63 Resp: 173683
 Ion Ratio Lower Upper
 63 100
 106 27.3 20.9 31.3





#59

2-Hexanone

Concen: 216.149 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 457165

Ion Ratio Lower Upper

43 100

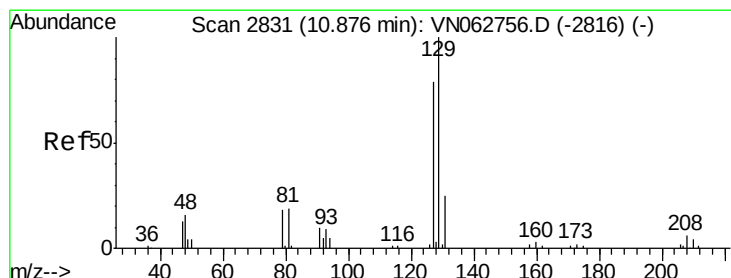
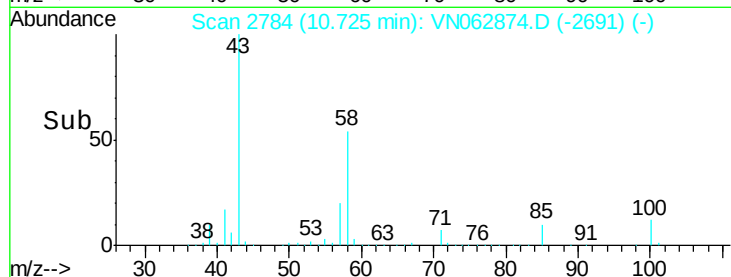
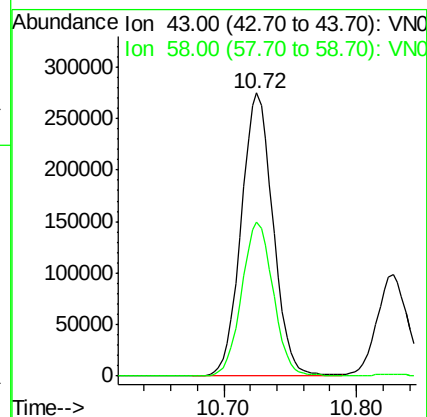
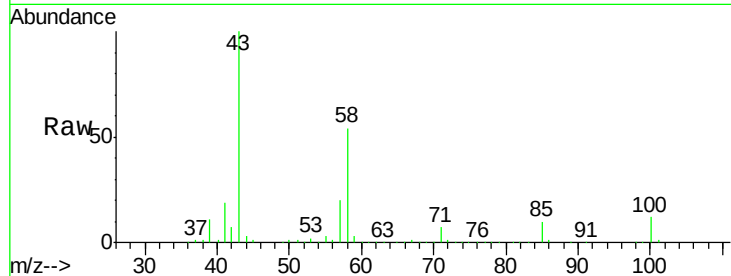
58 54.3 26.7 80.1

Manual Integrations

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MMDadoda

8/13/2020 10:56:19 AM



#60

Dibromochloromethane

Concen: 46.109 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. -0.00 min

Lab File: VN062874.D

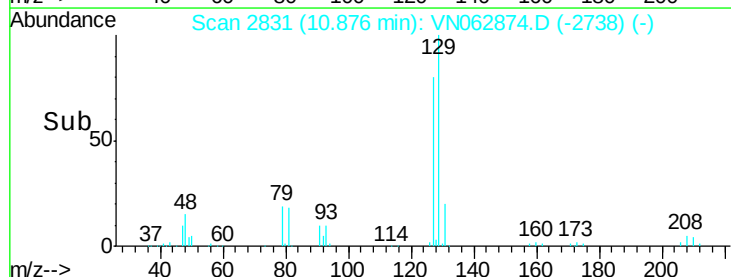
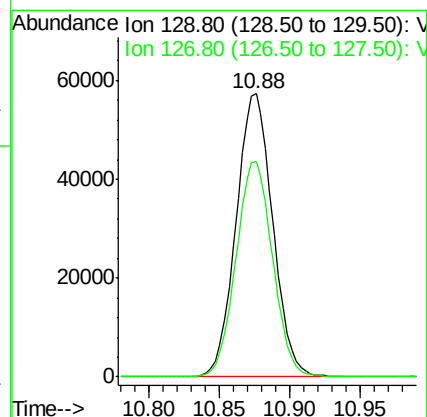
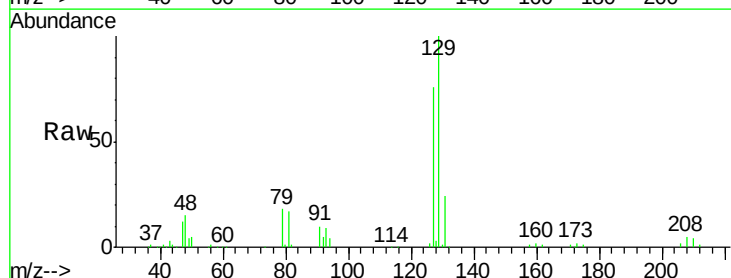
Acq: 12 Aug 2020 22:40

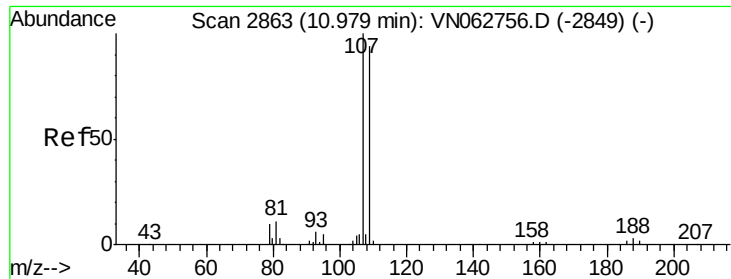
Tgt Ion: 129 Resp: 104137

Ion Ratio Lower Upper

129 100

127 75.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 44.894 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 87673

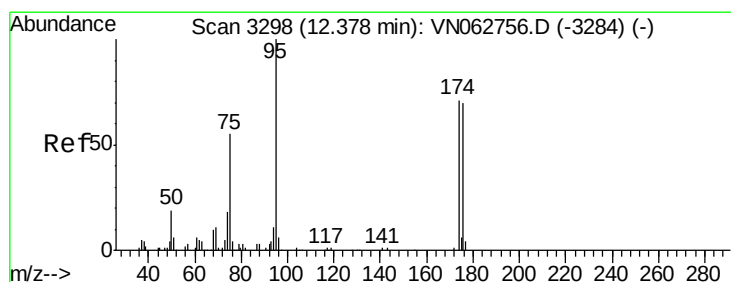
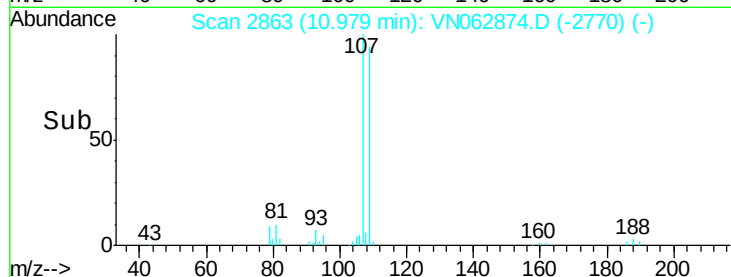
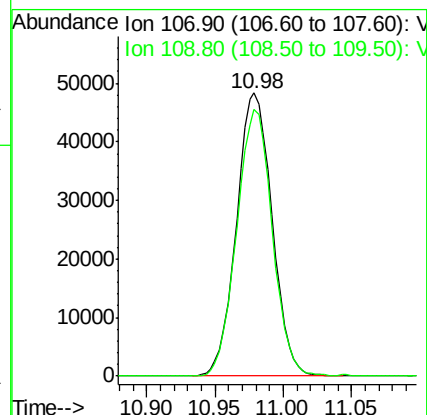
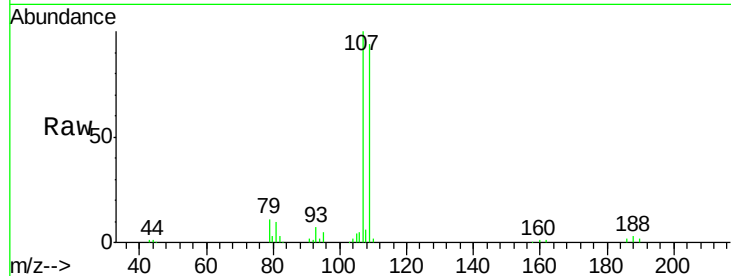
Ion Ratio Lower Upper

107 100

109 94.1 76.1 114.1

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 50.898 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

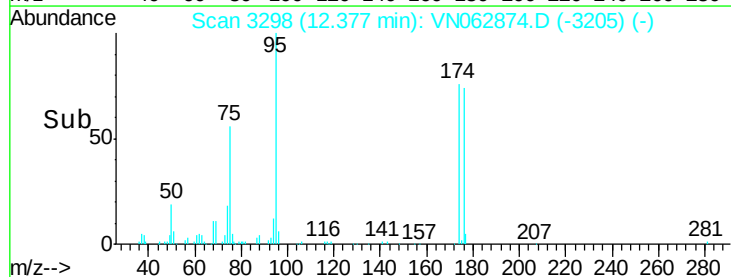
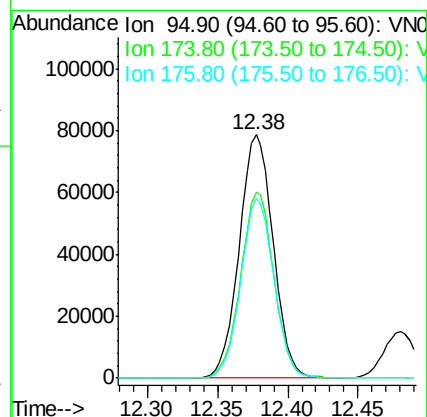
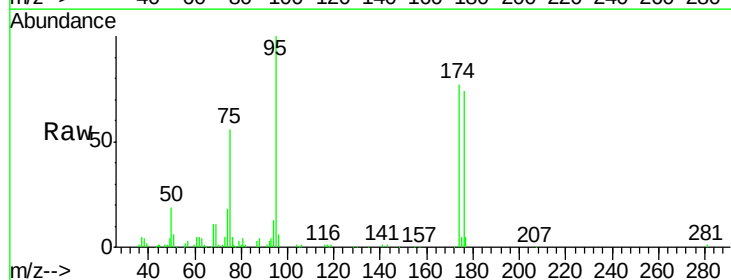
Tgt Ion: 95 Resp: 132685

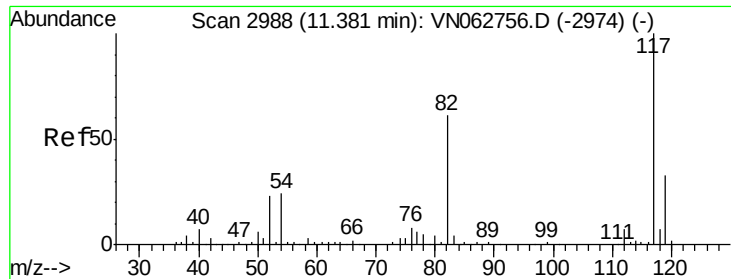
Ion Ratio Lower Upper

95 100

174 74.9 0.0 144.8

176 72.5 0.0 142.2





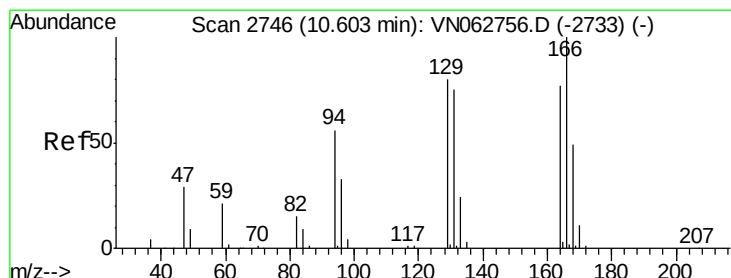
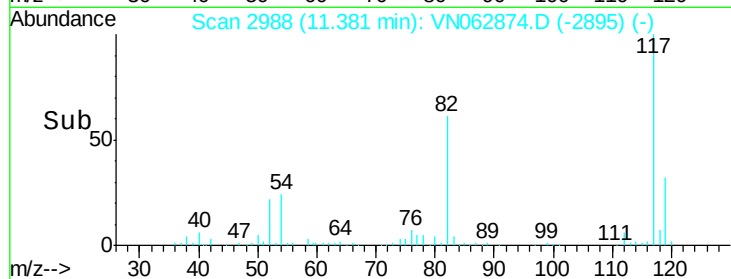
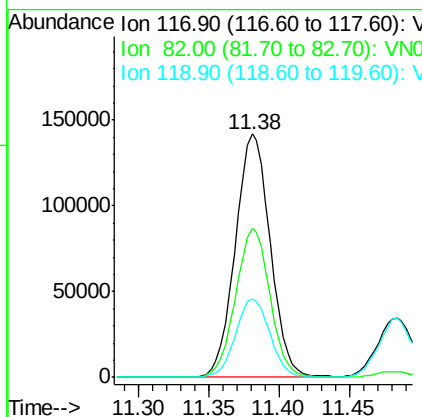
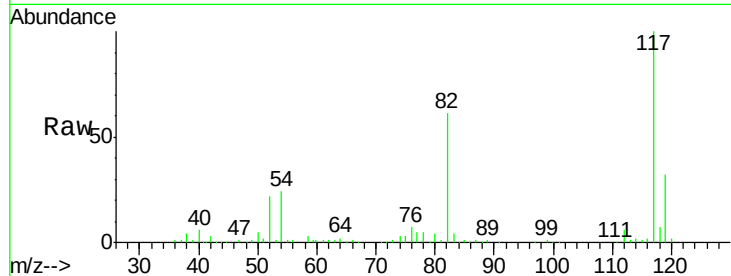
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	246071		
82	61.1	49.0	73.4	
119	32.3	26.2	39.2	

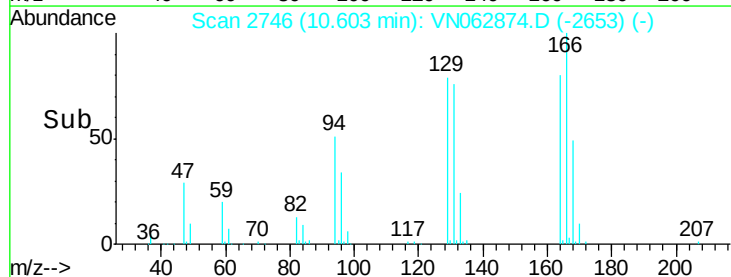
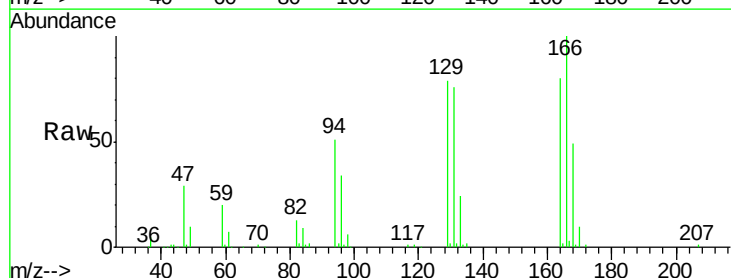
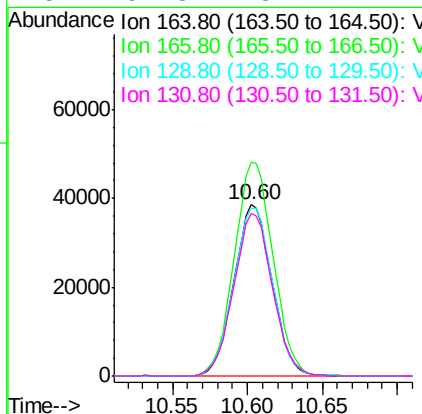
Manual Integrations
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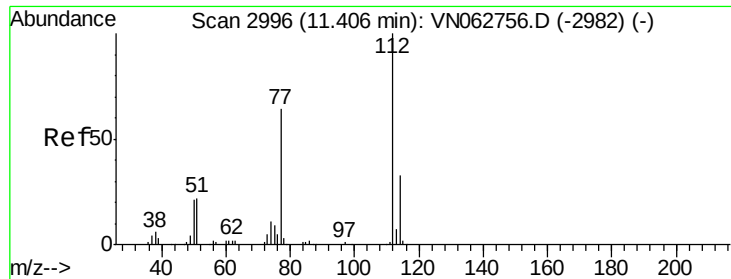
MMDadoda
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#64
Tetrachloroethene
Concen: 42.937 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68170		
166	124.7	103.8	155.8	
129	98.1	82.7	124.1	
131	94.8	78.2	117.2	





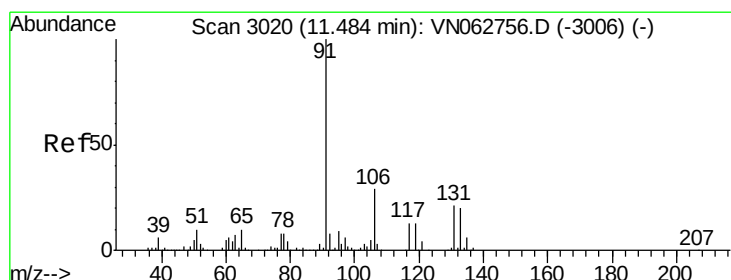
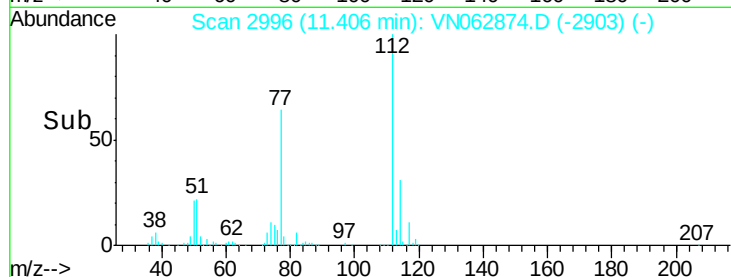
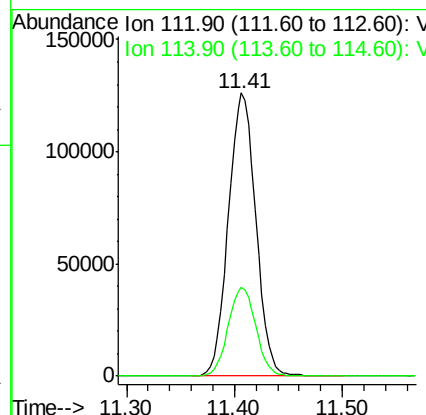
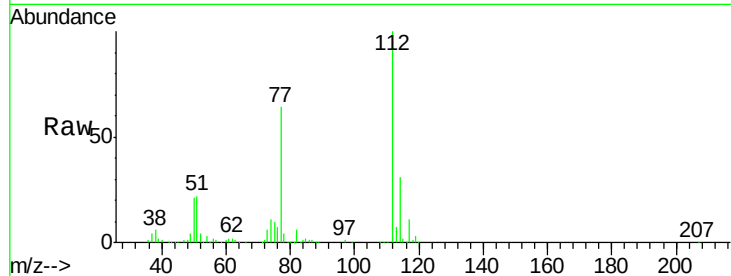
#65
Chlorobenzene
Concen: 43.529 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	223904		
114	31.2	26.2	39.4	

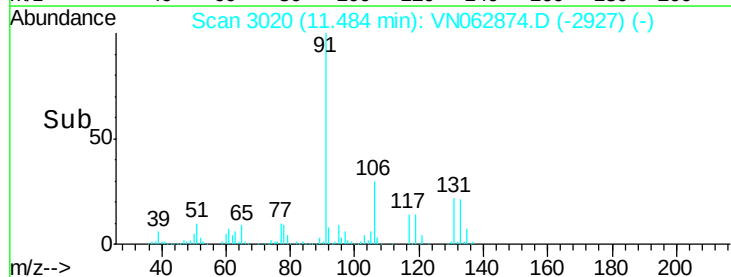
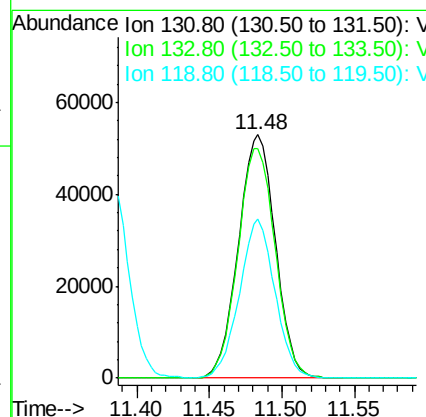
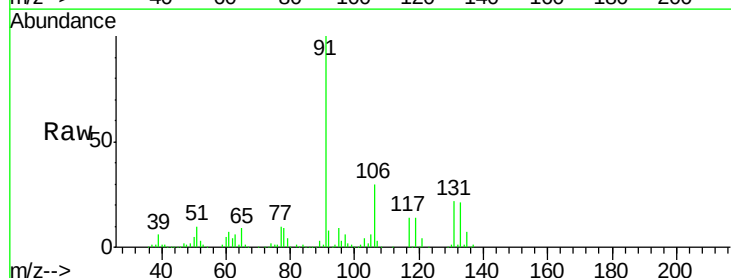
Manual Integrations
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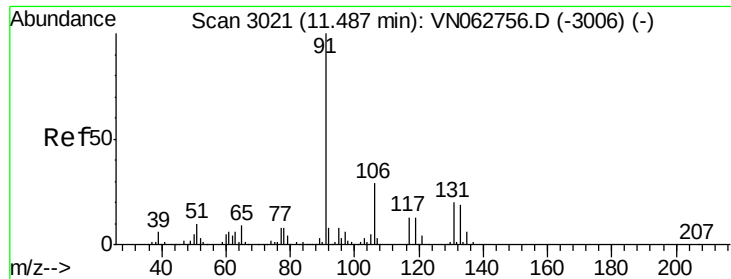
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.437 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	93856		
133	95.5	48.6	145.8	
119	62.8	32.2	96.6	





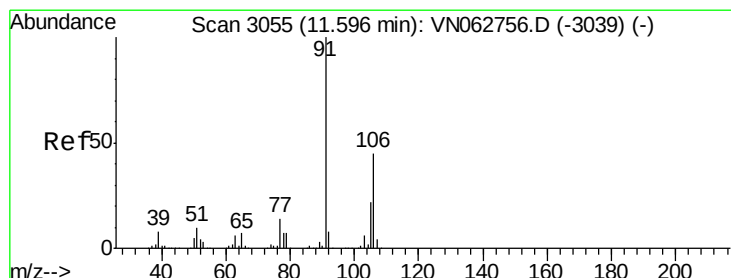
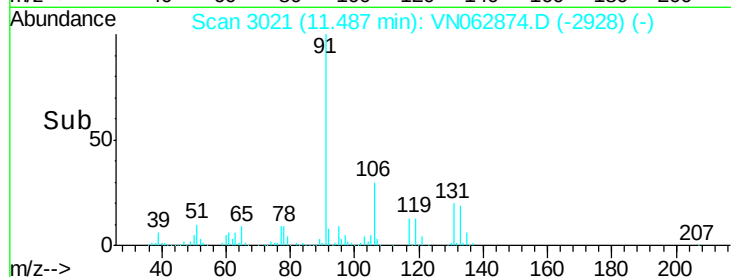
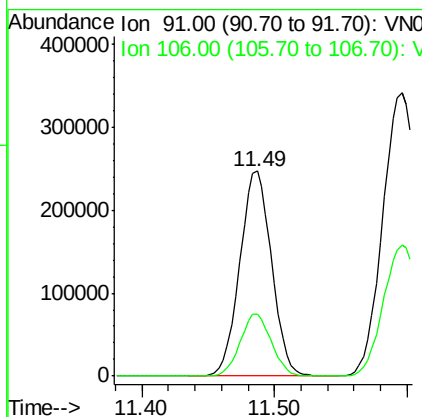
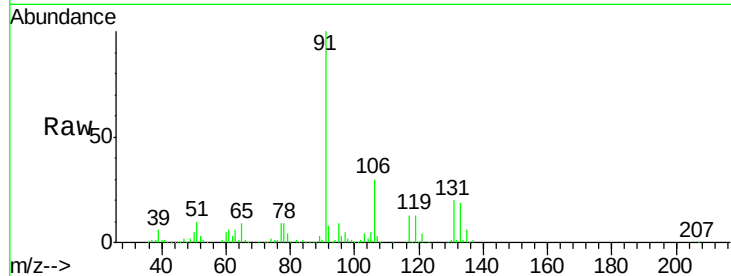
#67
Ethyl Benzene
Concen: 44.631 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.2	34.8

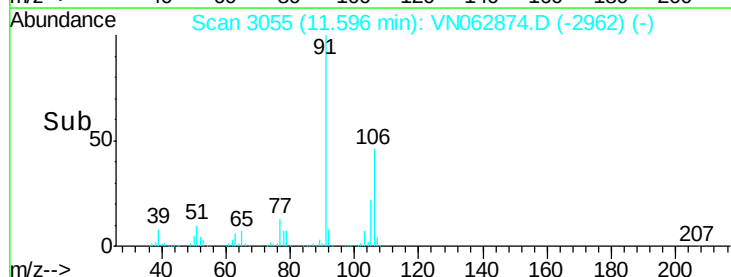
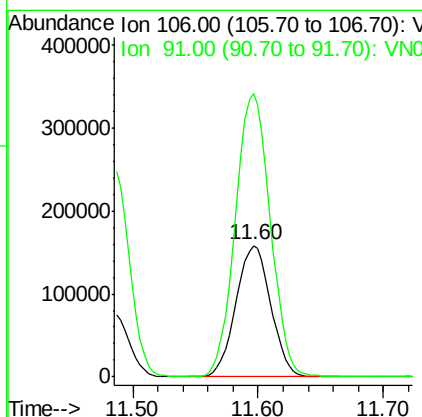
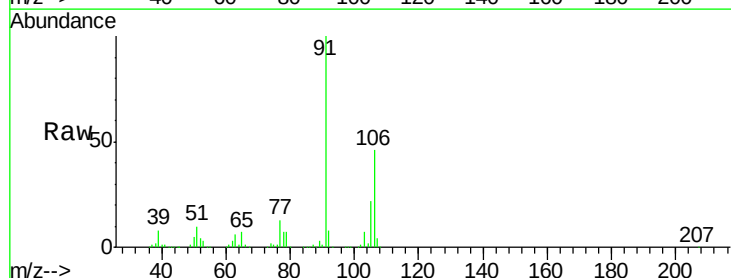
Manual Integrations
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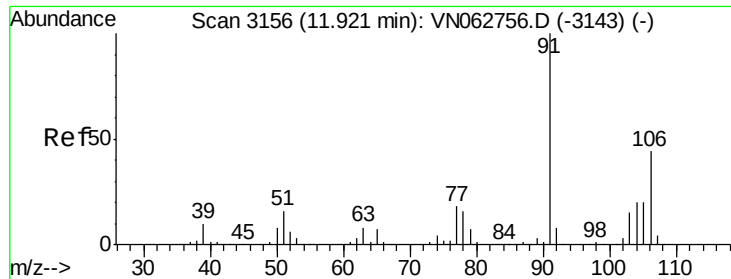
MMDadoda
8/13/2020 10:56:19 AM



#68
m/p-Xylenes
Concen: 91.393 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
106	100		
91	216.4	175.9	263.9





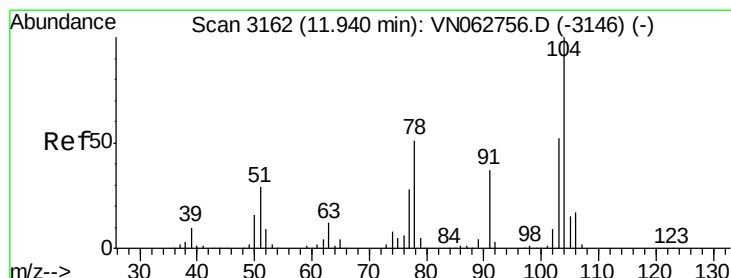
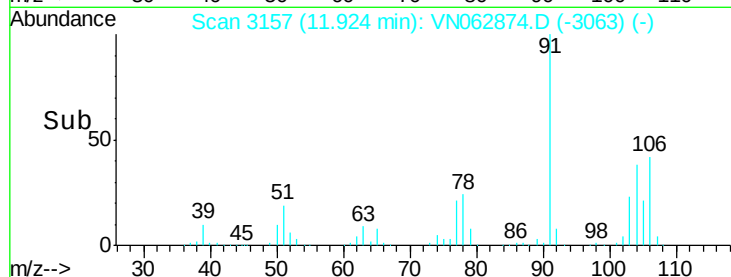
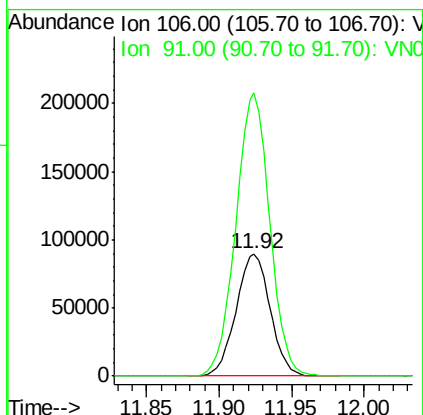
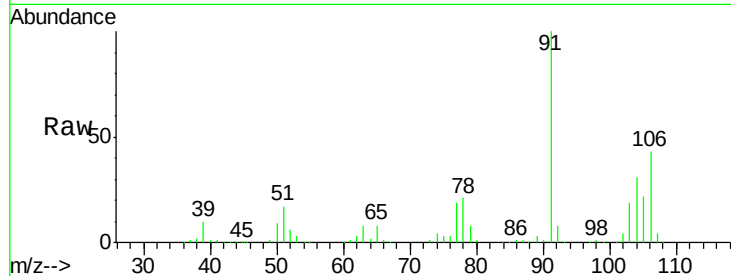
#69
o-Xylene
Concen: 46.795 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		146529		
91	230.2	115.8	347.4		

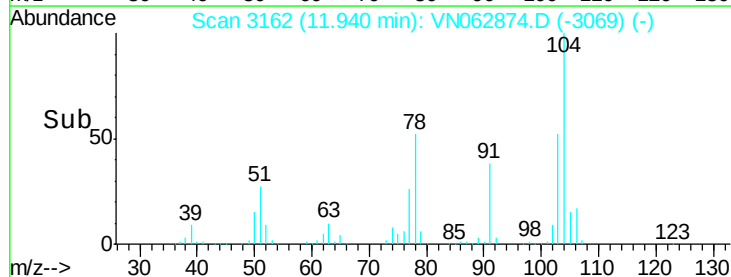
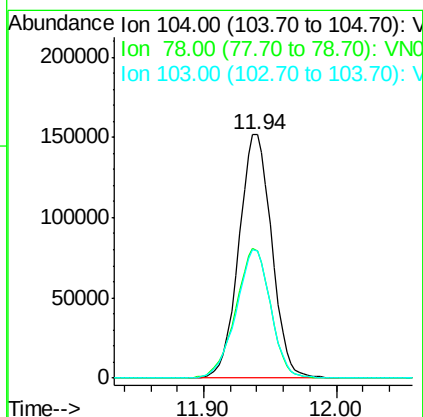
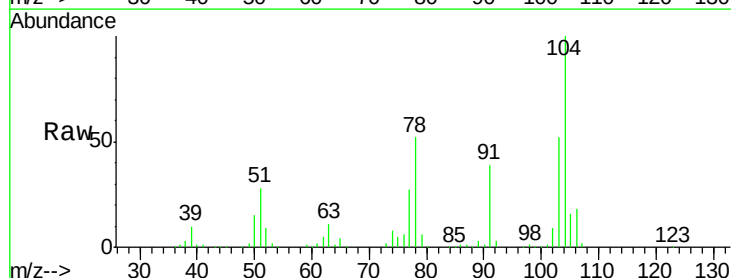
Manual Integrations
APPROVED

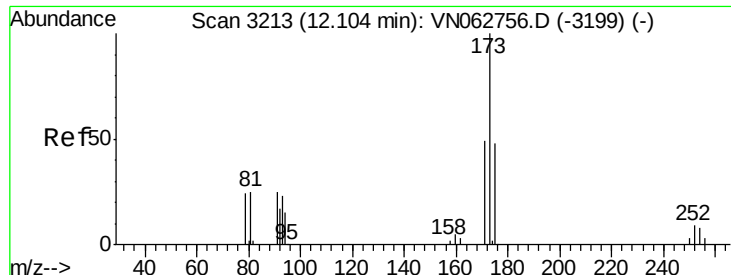
MMDadoda
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#70
Styrene
Concen: 47.607 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		262029		
78	56.2	45.9	68.9		
103	55.3	45.1	67.7		





#71

Bromoform

Concen: 45.182 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

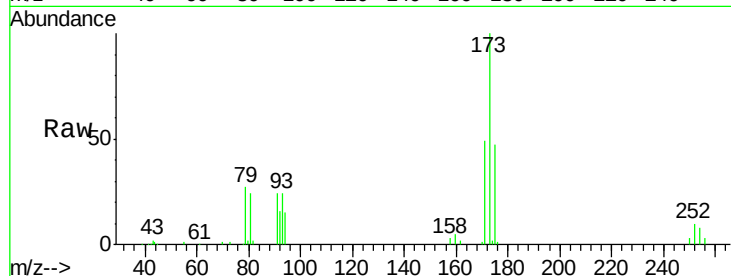
ClientSampled :

VSTDCCC050

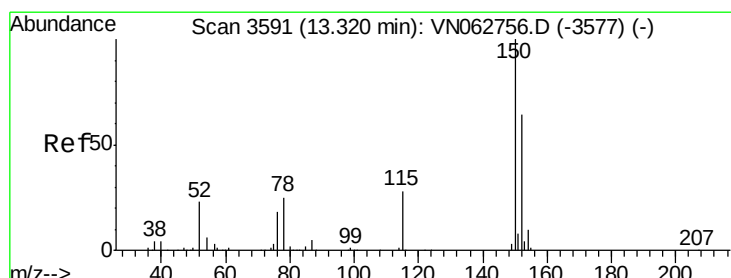
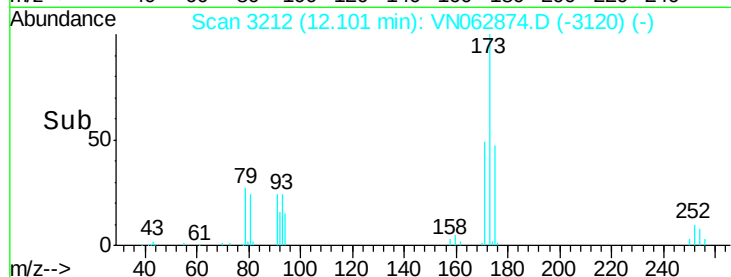
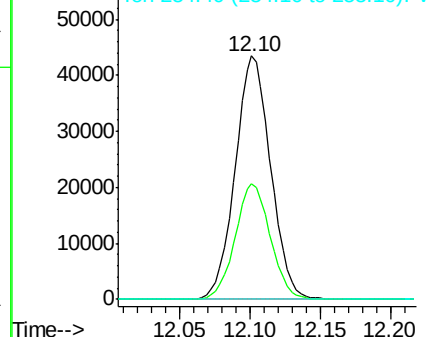
Tot Ion:	173	Resp:	76361
Ion Ratio	Lower	Upper	
173	100		
175	46.9	24.0	72.0
254	0.0	0.0	0.0

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

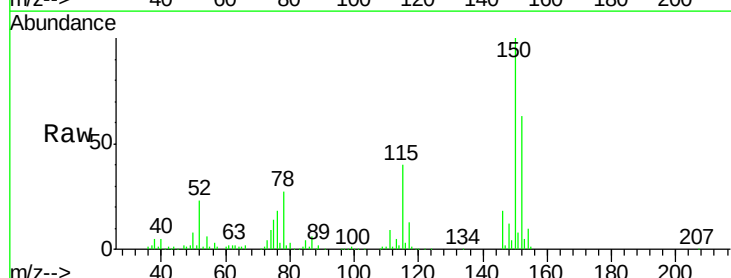
RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

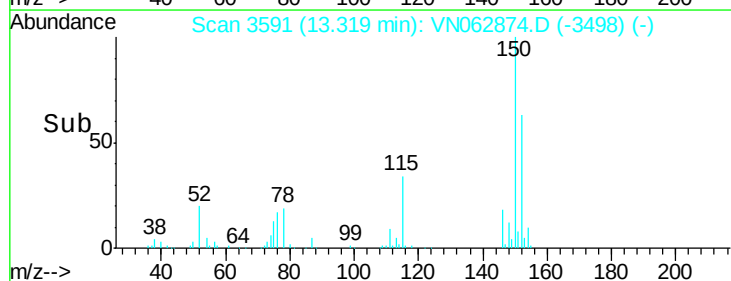
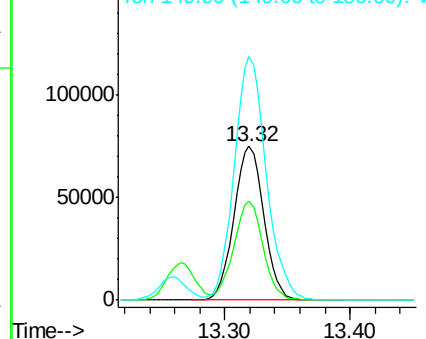
Lab File: VN062874.D

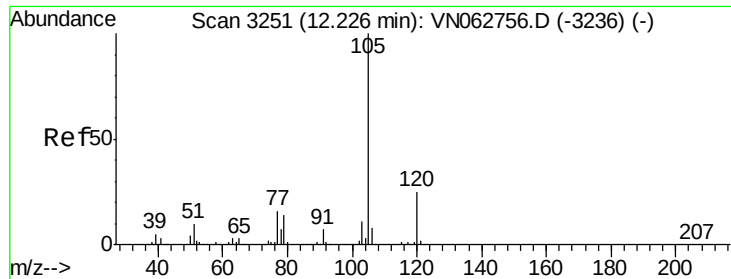
Acq: 12 Aug 2020 22:40

Tgt Ion:	152	Resp:	123544
Ion Ratio	Lower	Upper	
152	100		
115	63.2	31.6	94.8
150	170.0	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





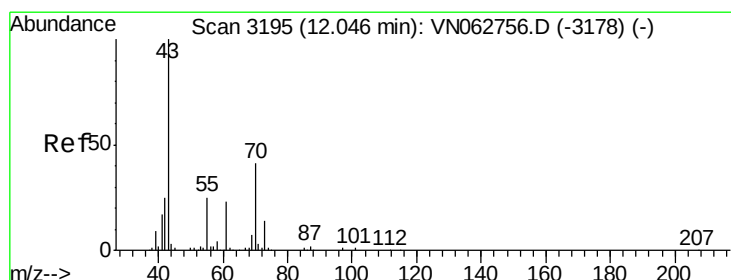
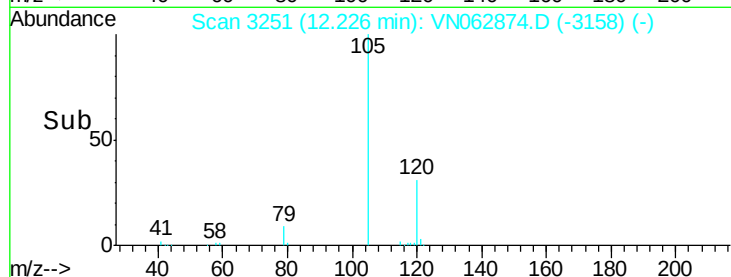
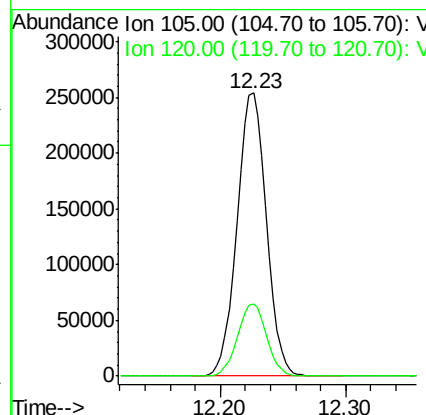
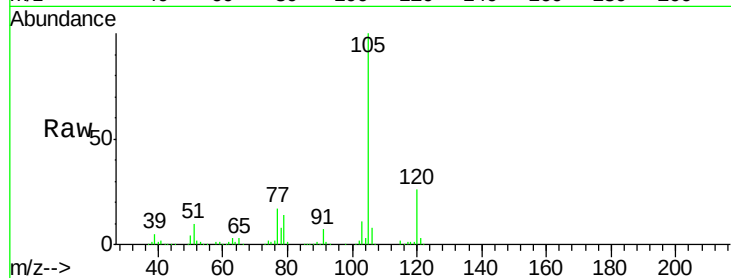
#73
Isopropylbenzene
Concen: 44.282 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.6	37.8

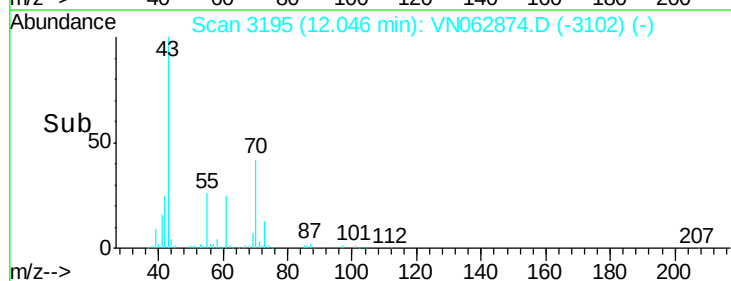
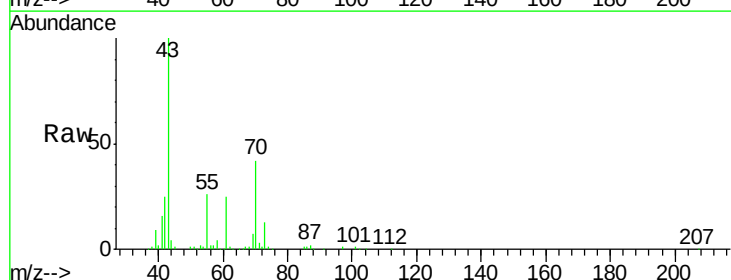
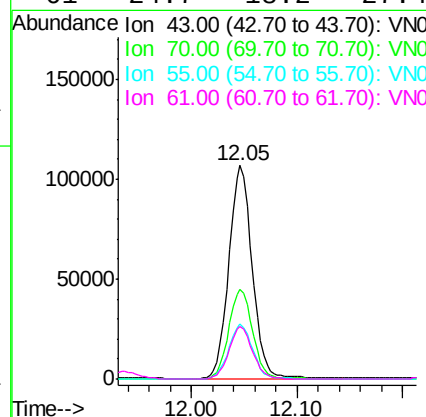
Manual Integrations
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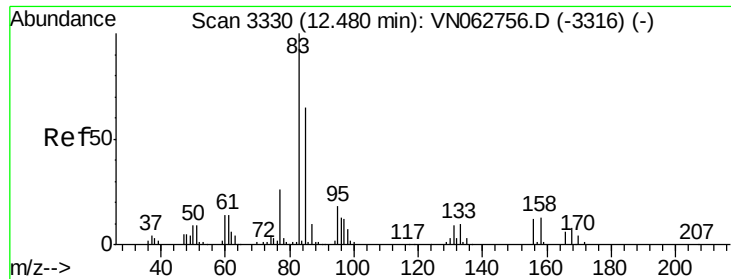
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#74
N-ethyl acetate
Concen: 43.341 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.9	32.3	48.5
55	26.3	20.2	30.2
61	24.7	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 40.933 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

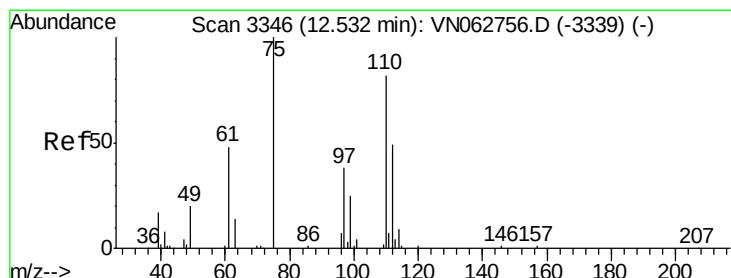
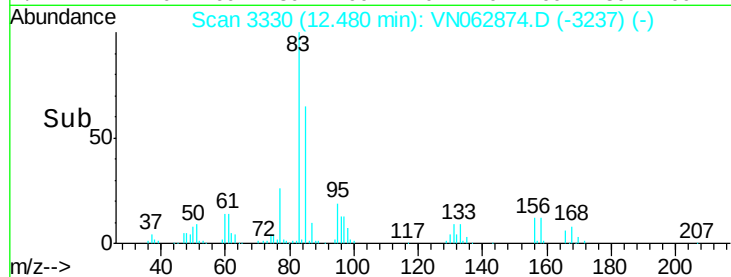
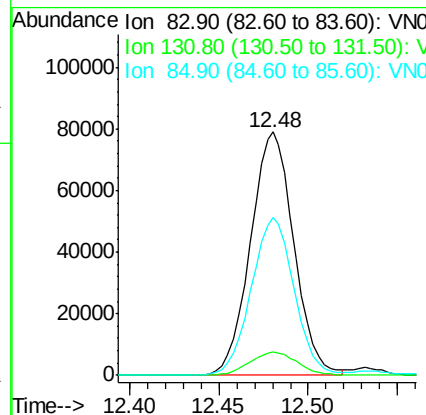
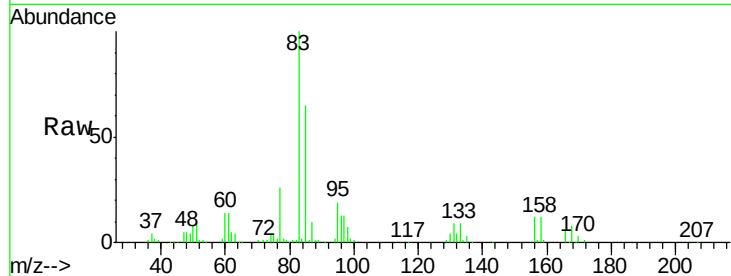
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	134048
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	64.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.117 ug/l m

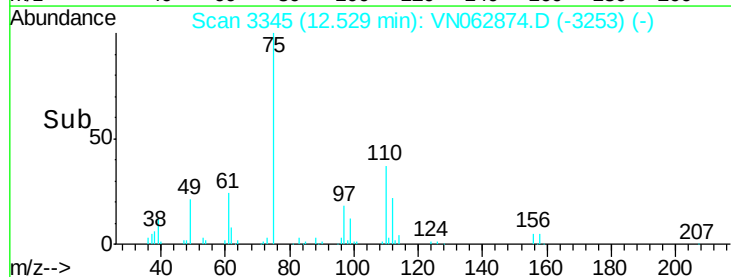
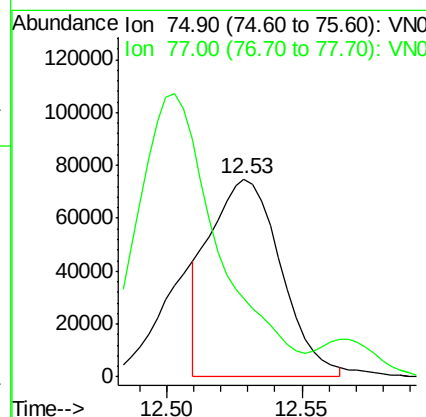
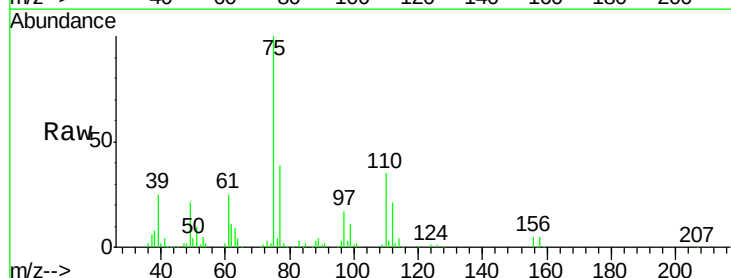
RT: 12.53 min Scan# 3345

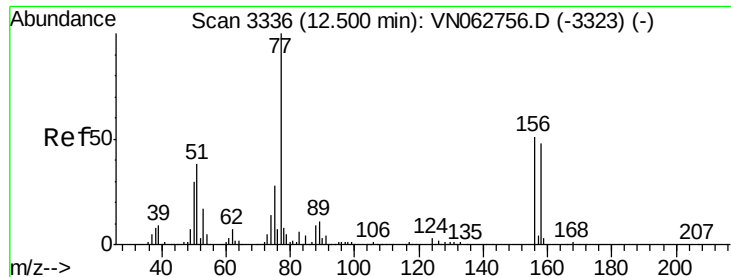
Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Tgt Ion:	75	Resp:	136997
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.275 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

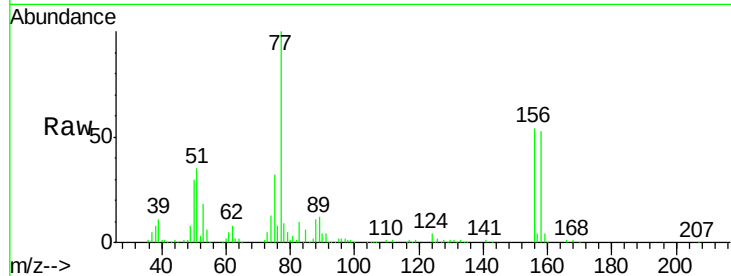
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	226.2	119.7	359.1
158	96.7	48.1	144.3

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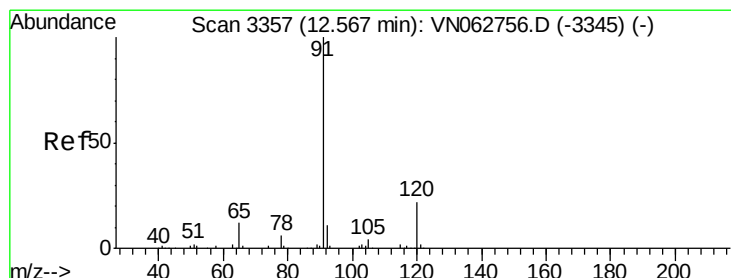
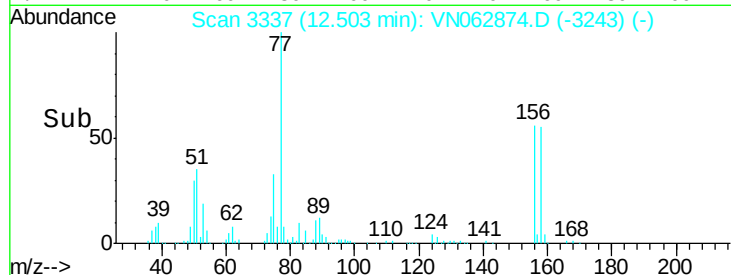
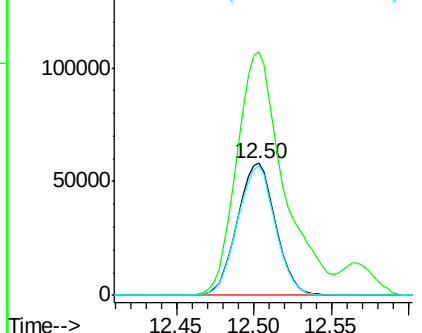
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.476 ug/l

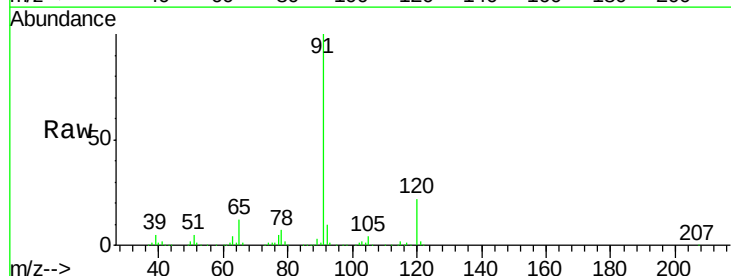
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062874.D

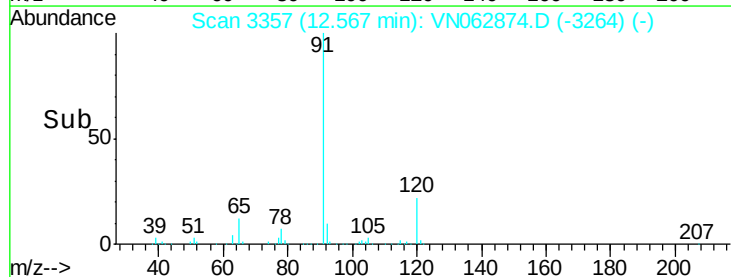
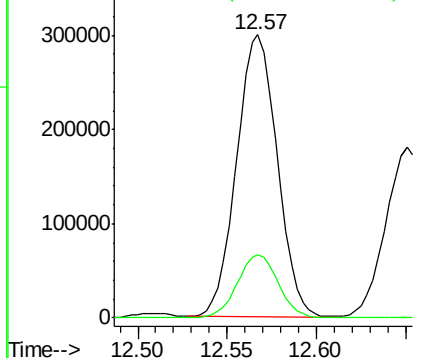
Acq: 12 Aug 2020 22:40

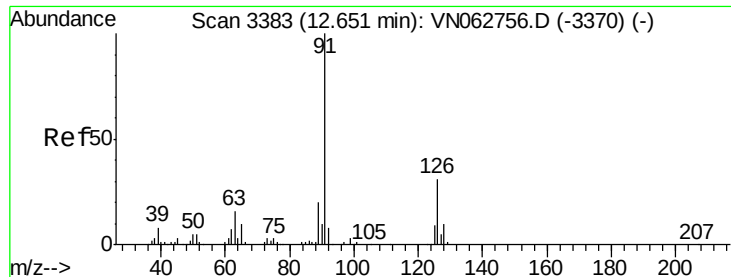
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.9	32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 42.808 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 293149

Ion Ratio Lower Upper

91 100

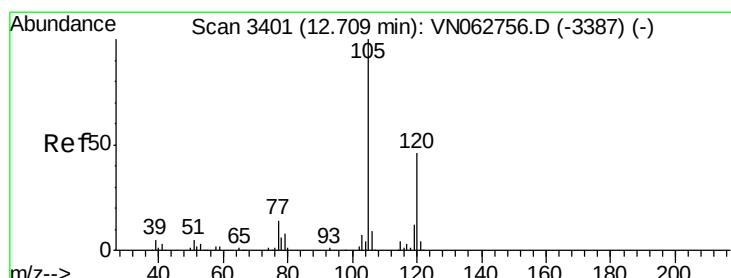
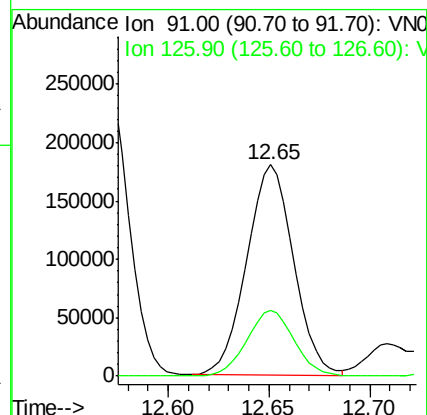
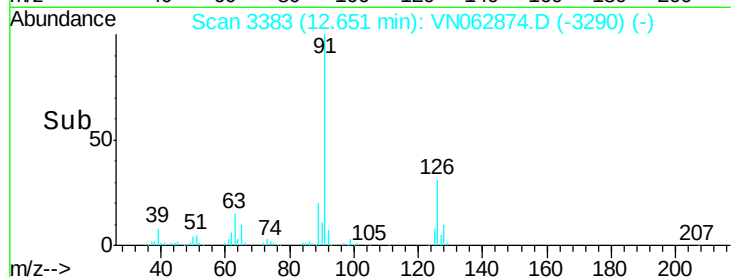
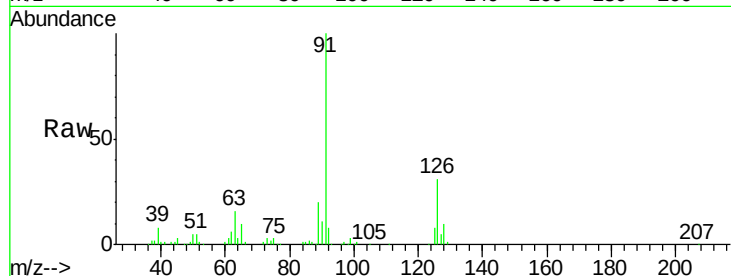
126 31.7 15.6 46.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.848 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062874.D

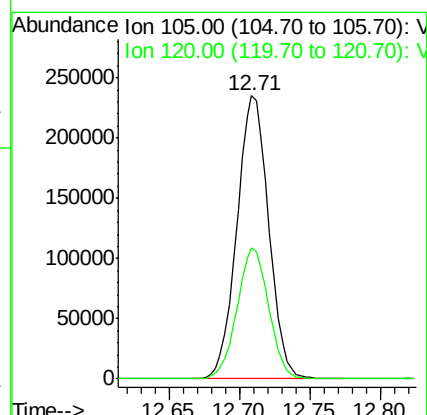
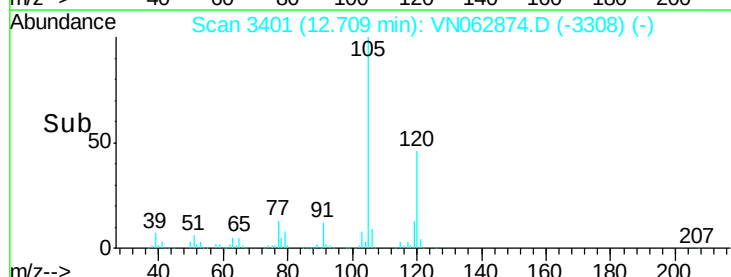
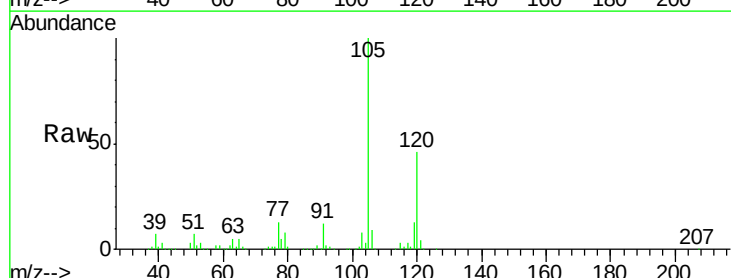
Acq: 12 Aug 2020 22:40

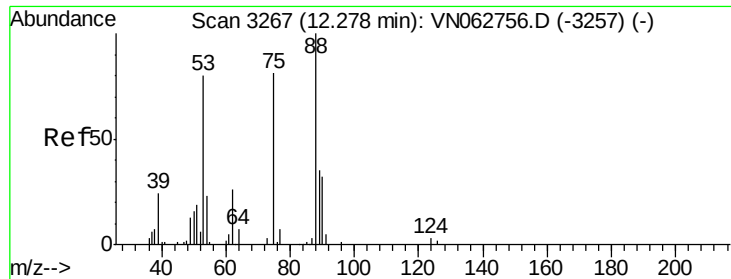
Tgt Ion: 105 Resp: 370024

Ion Ratio Lower Upper

105 100

120 46.2 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 39.650 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

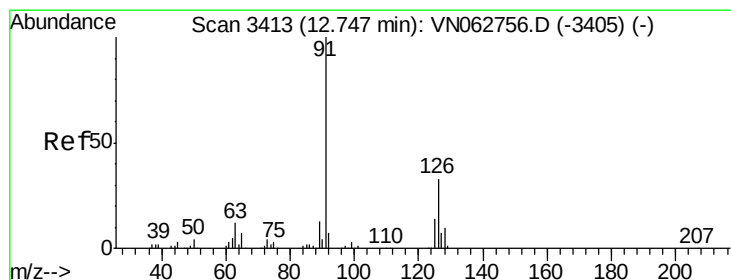
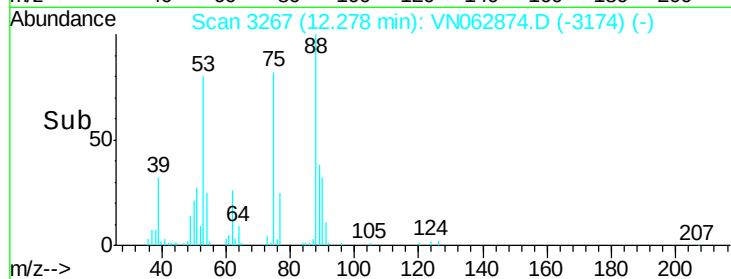
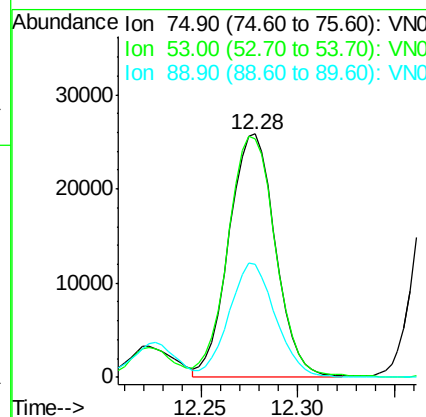
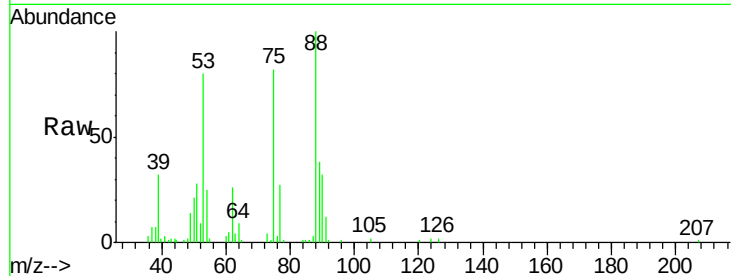
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	43275
Ion	Ratio	Lower	Upper
75	100		
53	101.8	79.1	118.7
89	46.7	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 43.520 ug/l

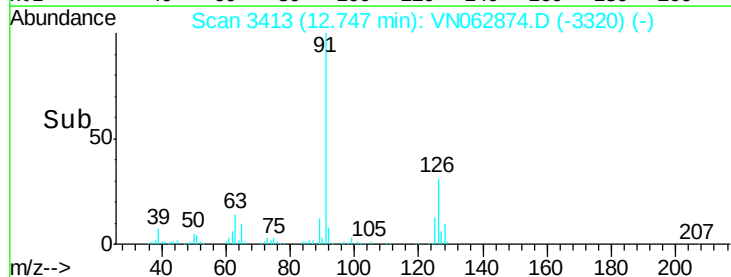
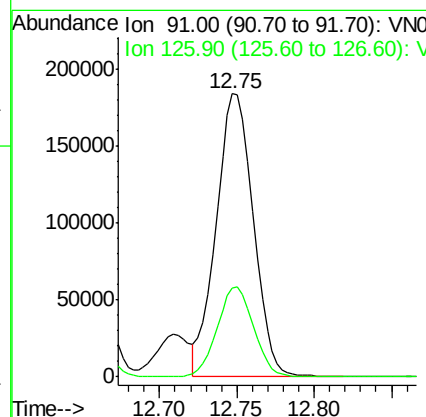
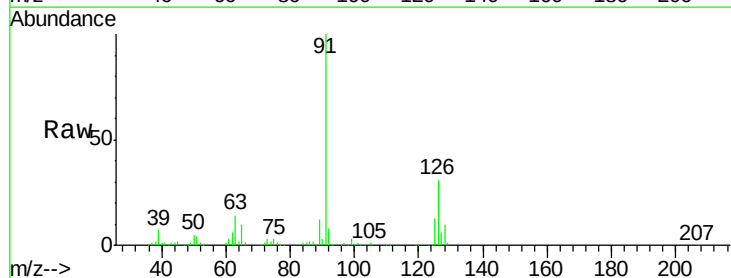
RT: 12.75 min Scan# 3413

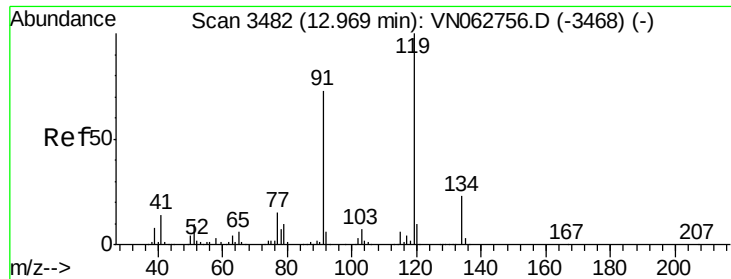
Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Tgt Ion:	91	Resp:	307118
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.9





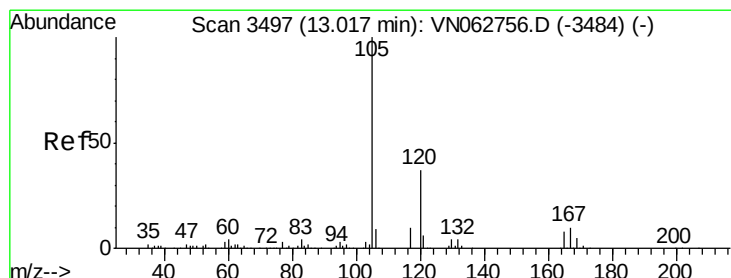
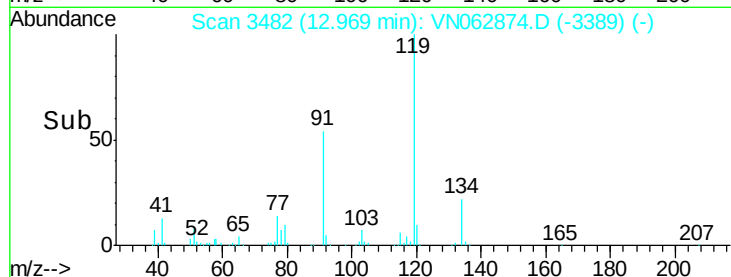
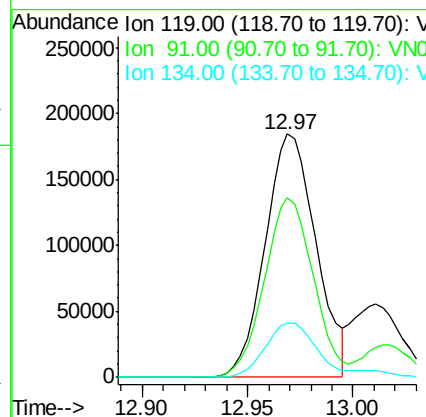
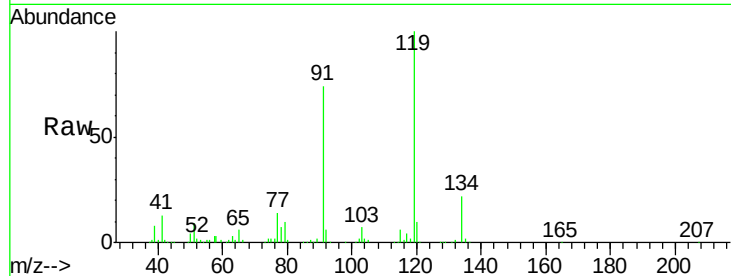
#83
 tert-Butylbenzene
 Concen: 45.275 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.3	36.5	109.5
134	22.4	11.3	33.8

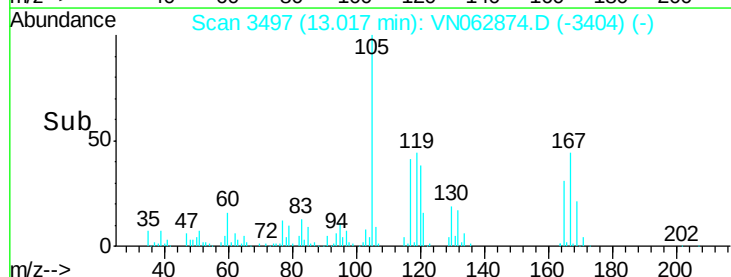
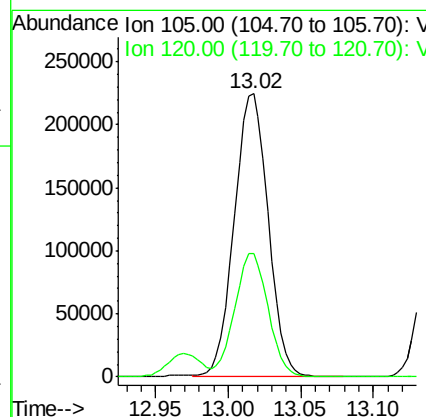
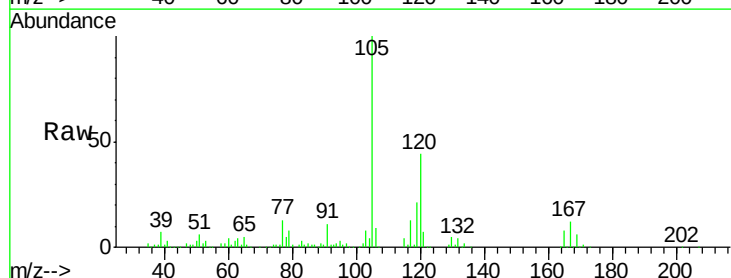
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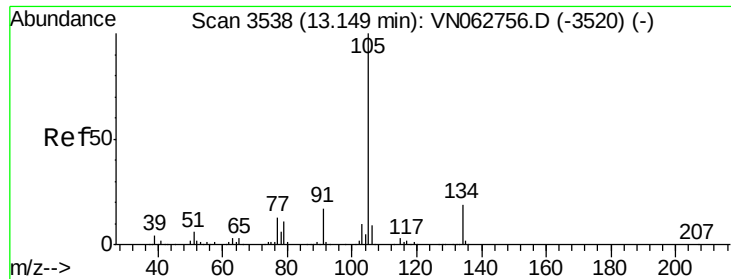
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.120 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.4	64.2





#85

sec-Butylbenzene

Concen: 44.635 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 400290

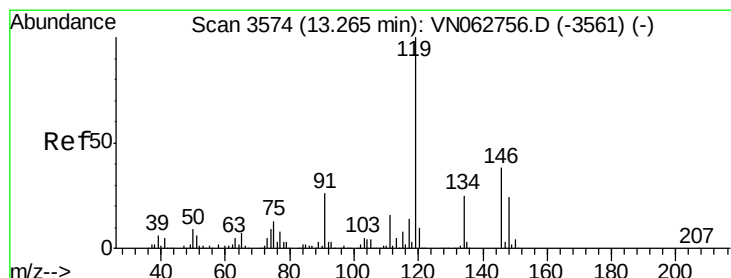
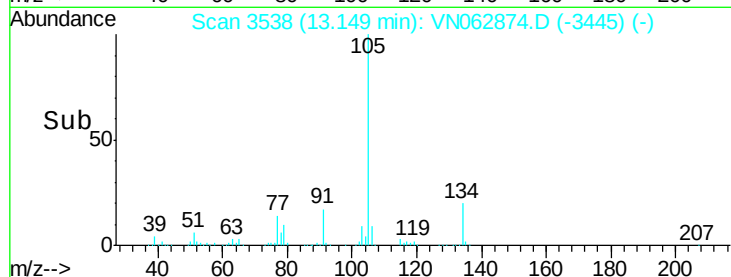
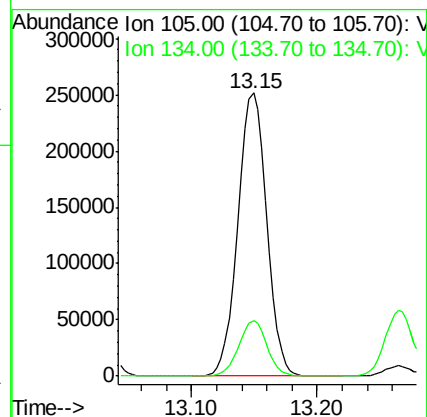
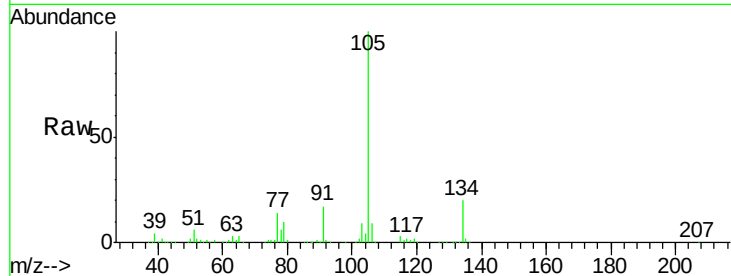
Ion Ratio Lower Upper

105 100

134 19.2 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 45.679 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

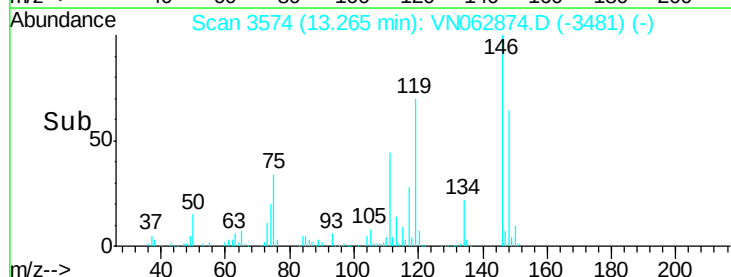
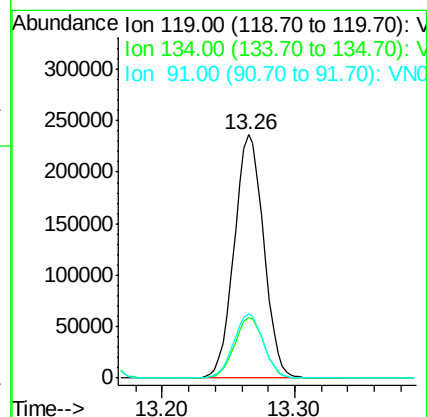
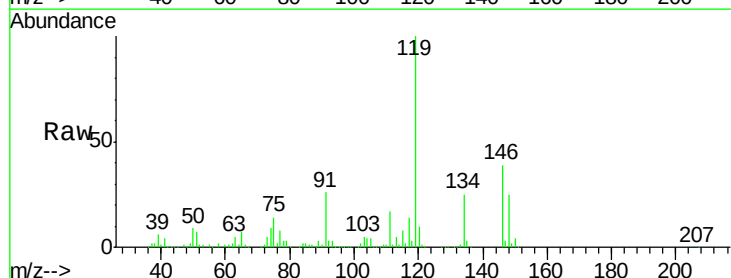
Tgt Ion:119 Resp: 363624

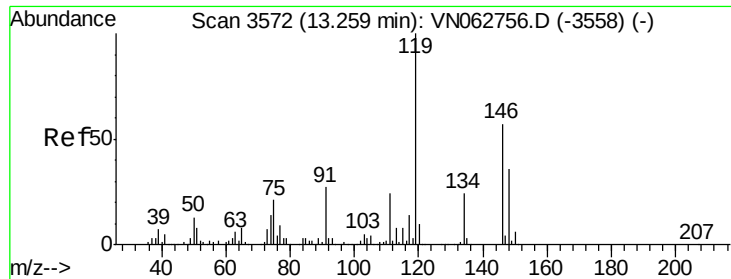
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

91 26.5 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 43.594 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

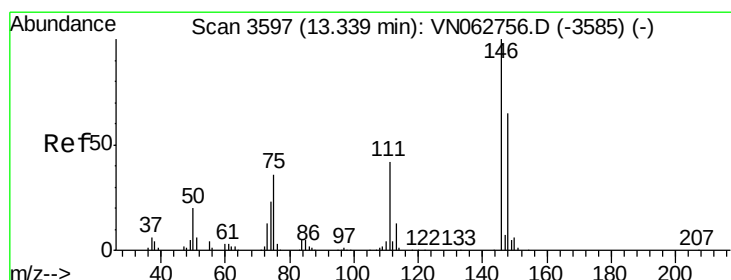
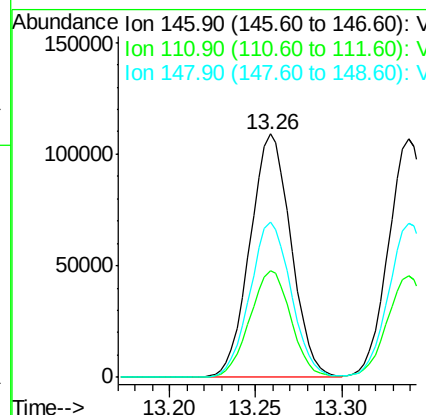
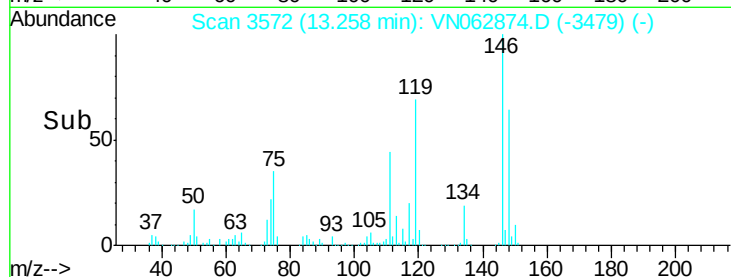
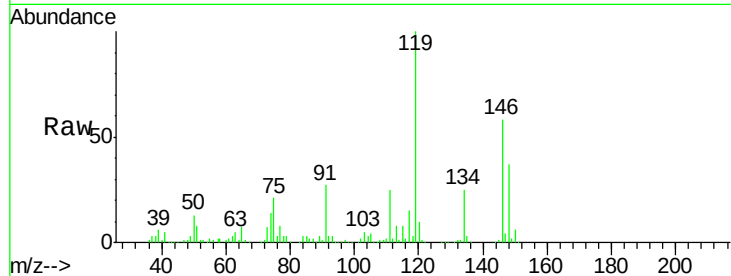
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	180015
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.7	65.1
148	64.1	31.4	94.2

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#88

1,4-Dichlorobenzene

Concen: 42.974 ug/l

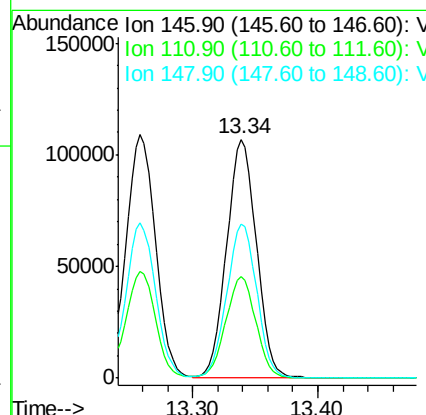
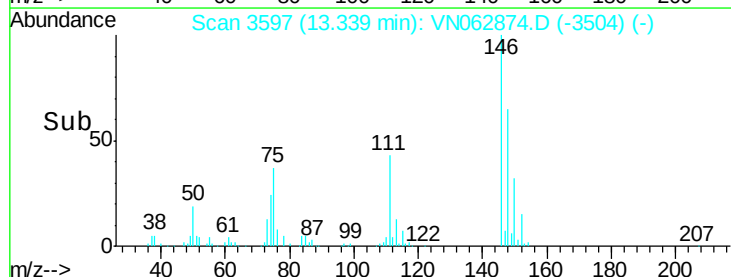
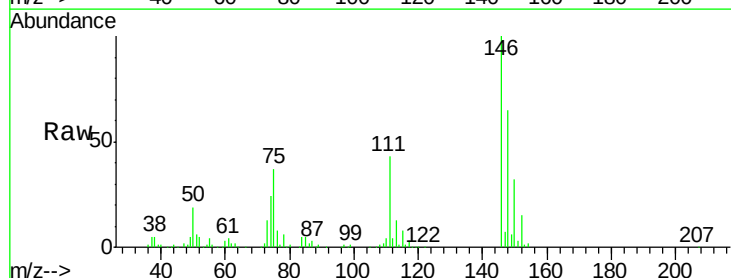
RT: 13.34 min Scan# 3597

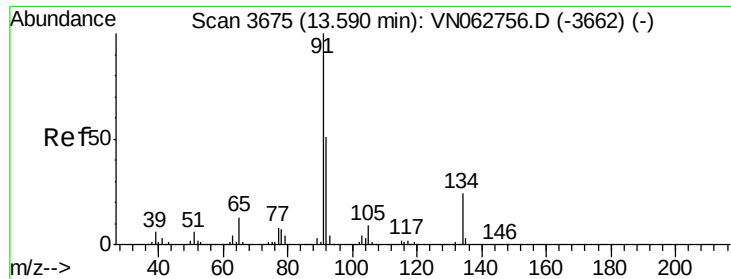
Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Tgt Ion:	146	Resp:	177982
Ion Ratio	Lower	Upper	
146	100		
111	42.5	21.6	64.6
148	64.9	32.6	97.8





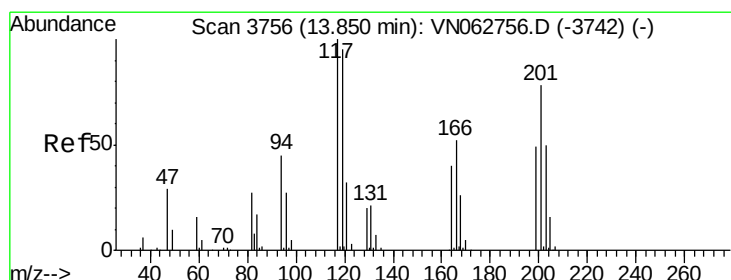
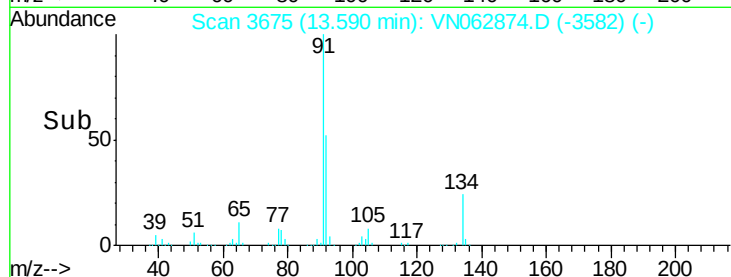
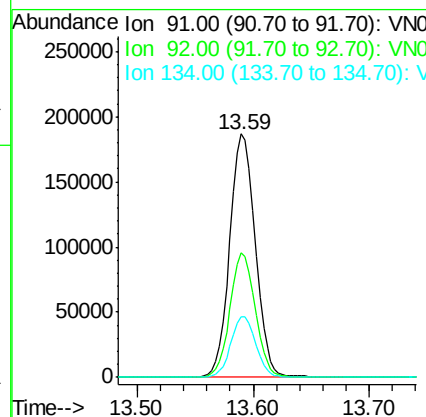
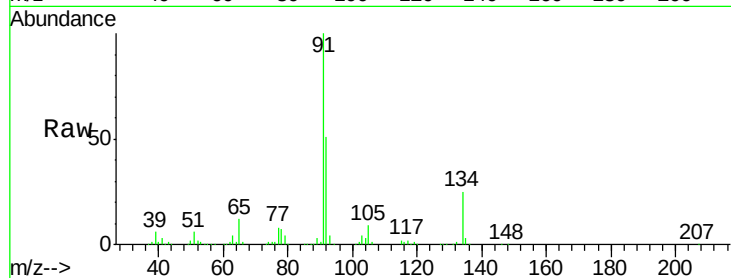
#89
n-Butylbenzene
Concen: 42.573 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.7	77.0
134	24.4	12.2	36.6

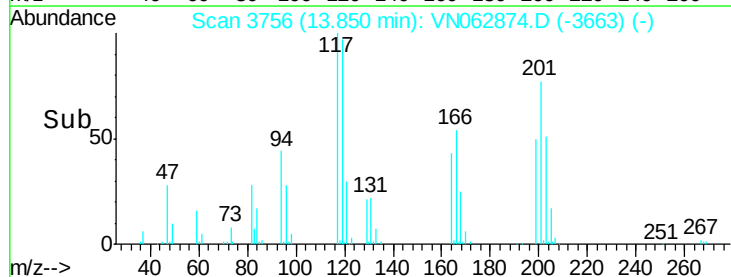
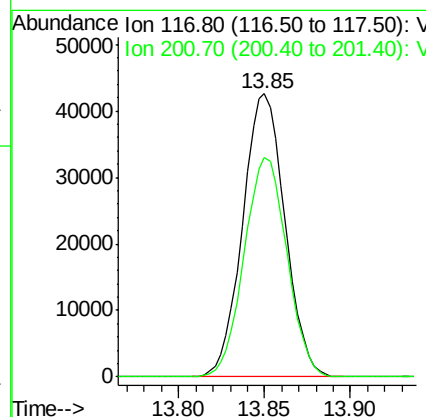
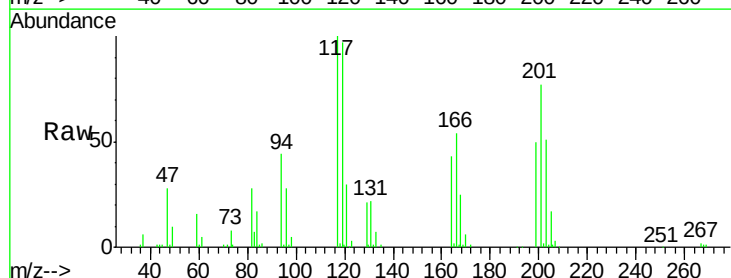
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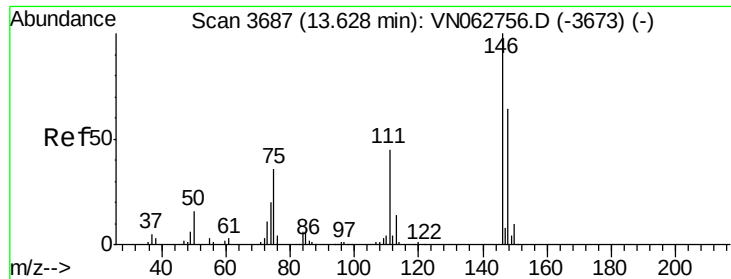
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#90
Hexachloroethane
Concen: 42.230 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062874.D
Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.5	39.2	117.6





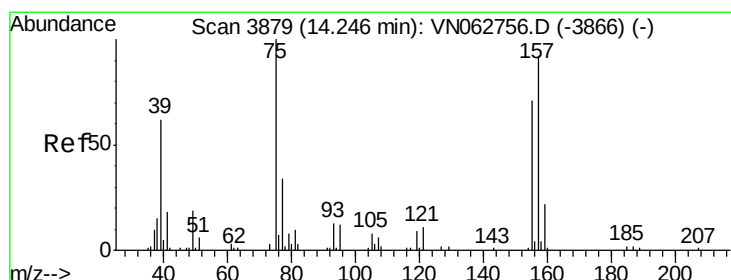
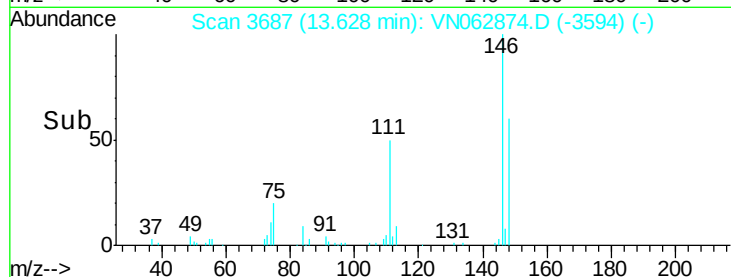
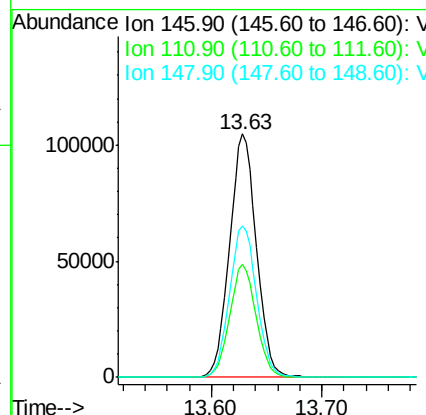
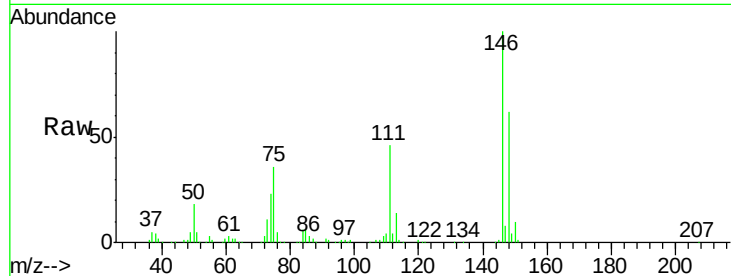
#91
 1,2-Dichlorobenzene
 Concen: 45.610 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.8	68.4
148	62.8	31.9	95.5

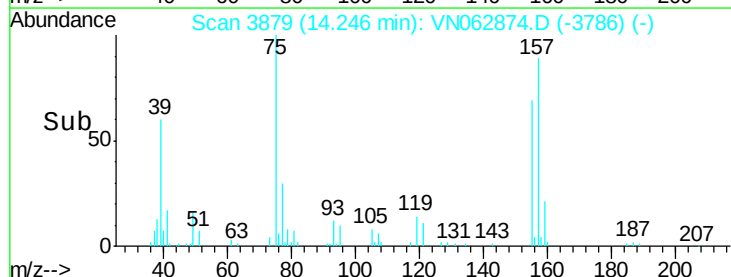
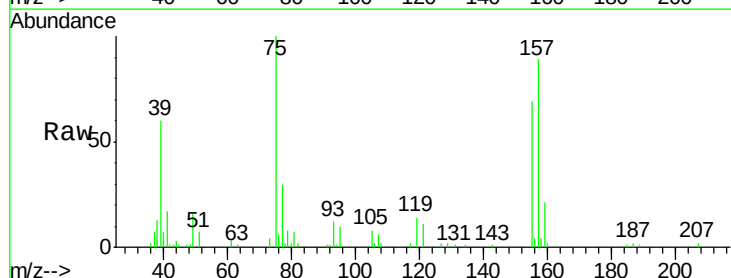
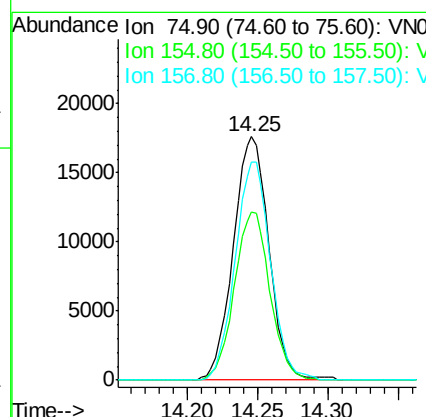
Manual Integrations
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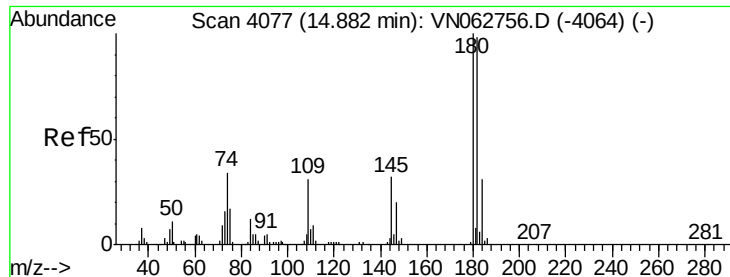
MMDadoda
 8/13/2020 10:56:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.302 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.7	35.0	105.1
157	88.8	43.2	129.6





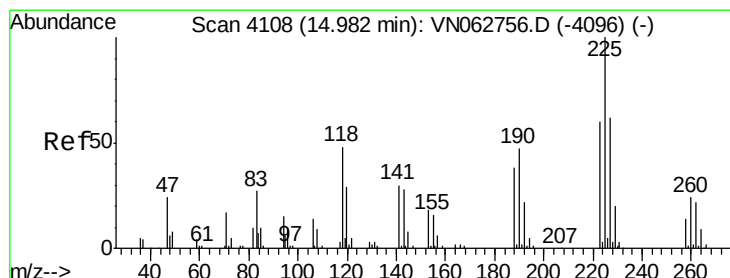
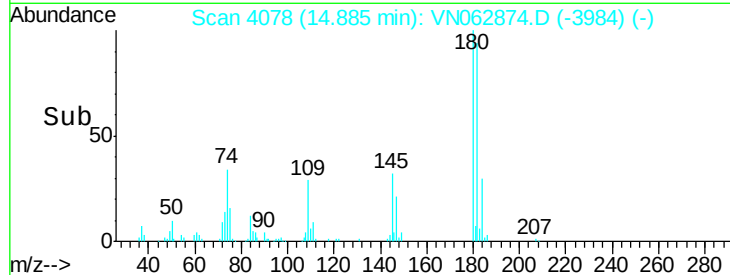
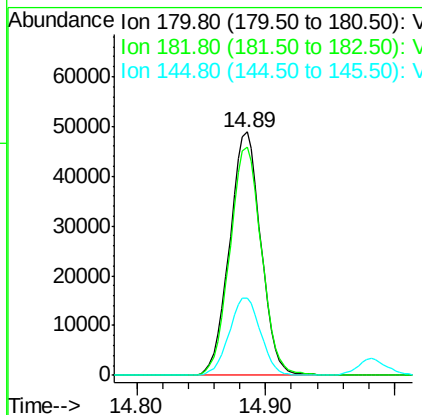
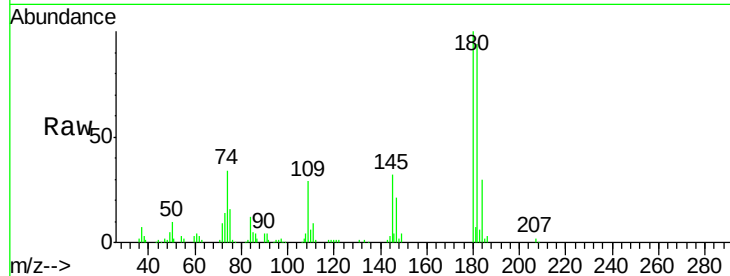
#93
 1,2,4-Trichlorobenzene
 Concen: 40.233 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	49.1	147.4	
145	32.0	16.3	48.8	

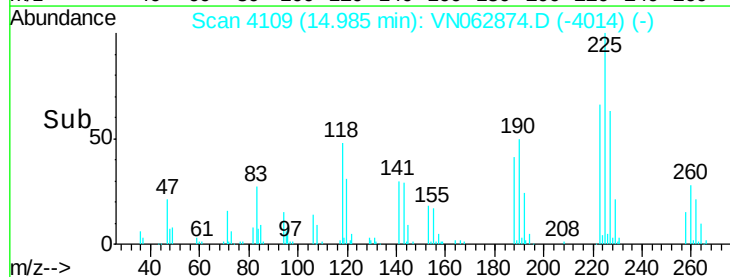
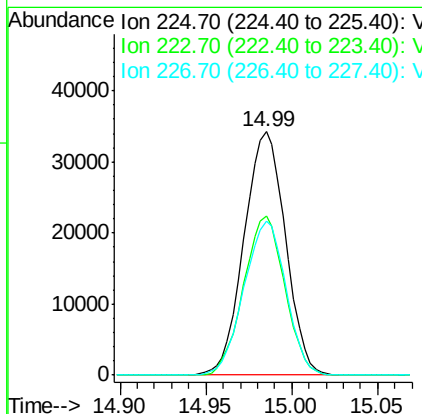
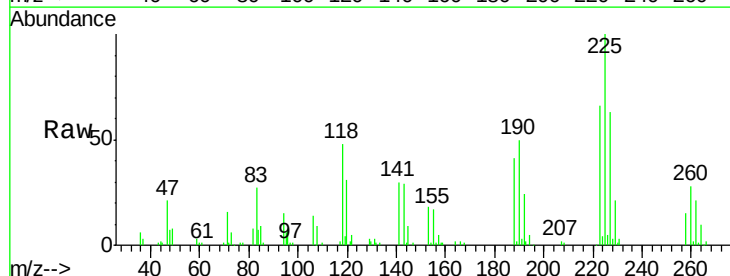
Manual Integrations
 APPROVED

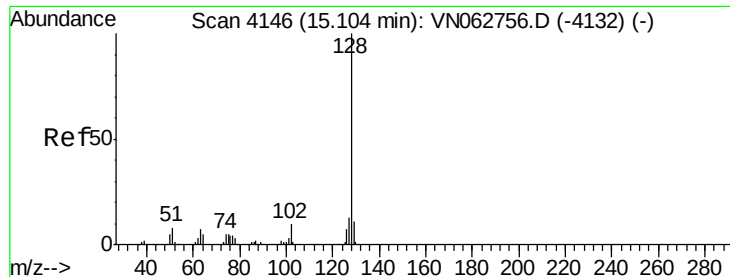
MMDadoda
 8/13/2020 10:56:19 AM



#94
 Hexachlorobutadiene
 Concen: 46.720 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062874.D
 Acq: 12 Aug 2020 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.0	30.6	92.0	
227	64.2	31.6	95.0	





#95

Naphthalene

Concen: 39.697 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Instrument :

MSVOA_N

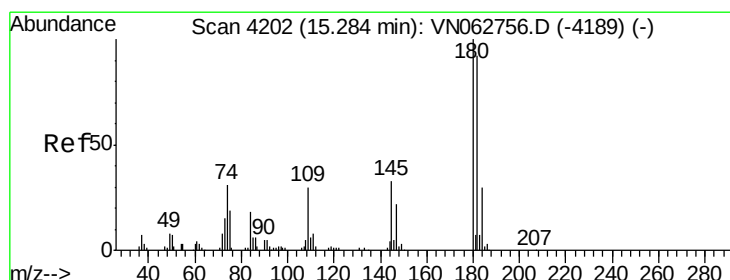
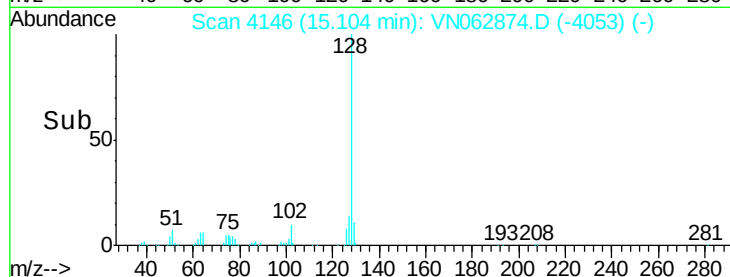
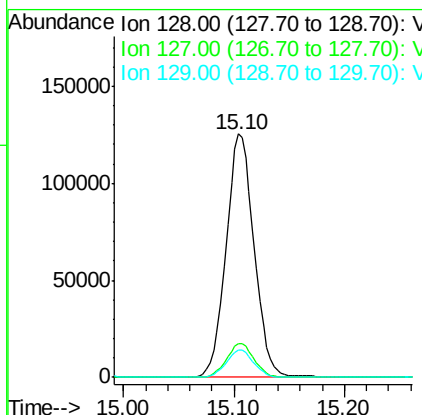
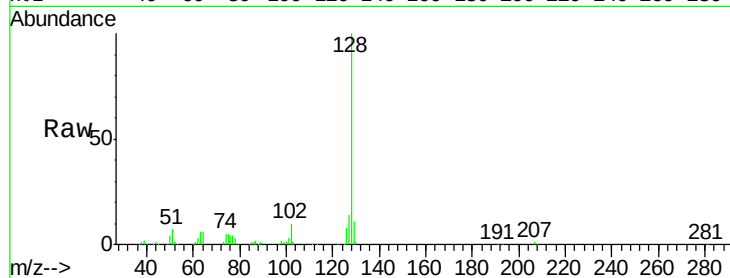
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	220766
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.8	16.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/13/2020 10:56:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 41.631 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062874.D

Acq: 12 Aug 2020 22:40

Tgt Ion:	180	Resp:	84316
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.9	143.6
145	36.4	17.3	51.7

