

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102221\
 Data File : VW022971.D
 Acq On : 21 Oct 2021 22:01
 Operator : SY/MD
 Sample : M4265-10MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 22 04:58:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 22 04:55:17 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	132693	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	134656	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	70262	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	43259	4.738	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.800%
7) Chloroethane-d5	1.568	69	34890	4.253	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.108	63	67771	3.784	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.600%
20) 2-Butanone-d5	3.905	46	81051	33.859	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	67.720%
24) Chloroform-d	4.349	84	104781	5.569	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.400%
26) 1,2-Dichloroethane-d4	5.034	65	45399	4.972	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.050	84	200421	5.000	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
36) 1,2-Dichloropropane-d6	6.072	67	61499	5.180	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.600%
41) Toluene-d8	7.317	98	188573	5.442	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.800%
43) trans-1,3-Dichloroprop...	7.625	79	19247	4.887	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.800%
46) 2-Hexanone-d5	8.095	63	90289	56.892	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.780%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	44742	5.563	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	68700	5.274	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	43607	4.509	ug/L	98
3) Chloromethane	1.240	50	48269	4.966	ug/L	99
5) Vinyl chloride	1.310	62	51367	5.115	ug/L	98
6) Bromomethane	1.523	94	19525	3.119	ug/L	99
8) Chloroethane	1.584	64	25318	4.075	ug/L	98
9) Trichlorofluoromethane	1.754	101	64279	4.370	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	33034	3.860	ug/L	95
12) 1,1-Dichloroethene	2.117	96	30032	3.747	ug/L	93
13) Acetone	2.185	43	40073	30.021	ug/L	69
14) Carbon disulfide	2.291	76	83809	3.720	ug/L	100
15) Methyl Acetate	2.436	43	10933	2.863	ug/L	94
16) Methylene chloride	2.503	84	45121	4.090	ug/L	89
17) Methyl tert-butyl Ether	2.770	73	85774	4.422	ug/L	96
18) trans-1,2-Dichloroethene	2.757	96	45464	5.216	ug/L	97
19) 1,1-Dichloroethane	3.188	63	85705	5.459	ug/L	97
21) 2-Butanone	3.992	43	72497	33.171	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	47009	5.136	ug/L	100
23) Bromochloromethane	4.249	128	21386	5.259	ug/L	96
25) Chloroform	4.375	83	87771	4.823	ug/L	100

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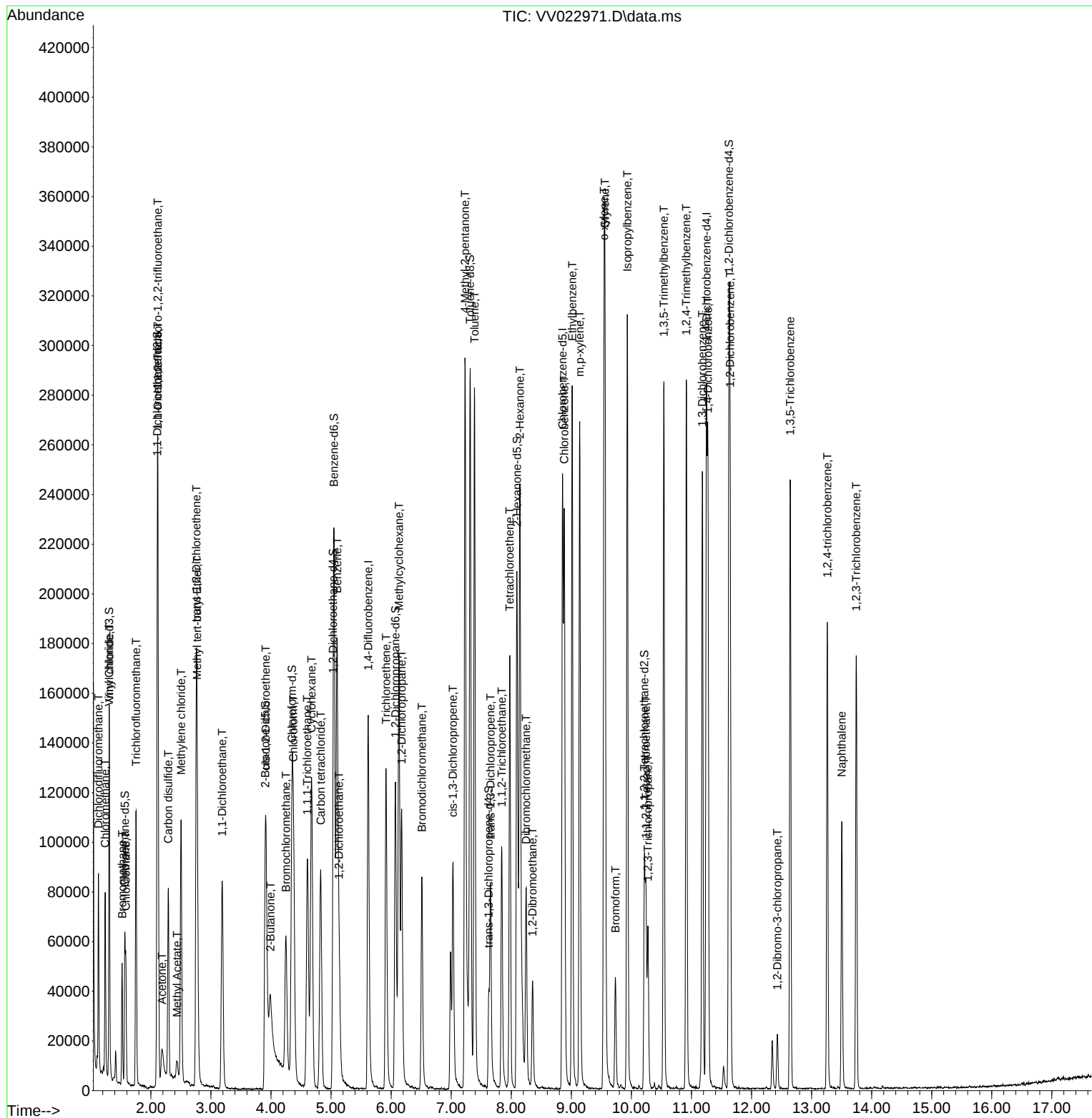
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	44665	4.917	ug/L	100
29) 1,1,1-Trichloroethane	4.606	97	75618	4.918	ug/L	100
30) Cyclohexane	4.674	56	62514	4.406	ug/L	99
31) Carbon tetrachloride	4.828	117	67050	5.024	ug/L	98
33) Benzene	5.101	78	184849	5.097	ug/L	100
34) Trichloroethene	5.915	95	45474	4.611	ug/L	96
35) Methylcyclohexane	6.130	83	65250	4.722	ug/L	99
37) 1,2-Dichloropropane	6.175	63	42951	4.924	ug/L	98
38) Bromodichloromethane	6.513	83	57122	5.315	ug/L	100
39) cis-1,3-Dichloropropene	7.030	75	57789	5.005	ug/L	99
40) 4-Methyl-2-pentanone	7.230	43	233061	49.729	ug/L	97
42) Toluene	7.387	91	205859	5.591	ug/L	98
44) trans-1,3-Dichloropropene	7.654	75	49720	5.282	ug/L	95
45) 1,1,2-Trichloroethane	7.844	97	33199	5.129	ug/L	98
47) Tetrachloroethene	7.976	164	39901	5.003	ug/L	98
48) 2-Hexanone	8.143	43	174207	50.838	ug/L	97
49) Dibromochloromethane	8.246	129	39857	5.260	ug/L	90
50) 1,2-Dibromoethane	8.355	107	30099	4.980	ug/L	100
51) Chlorobenzene	8.882	112	124501	5.147	ug/L	97
52) Ethylbenzene	9.014	91	193502	5.177	ug/L	99
53) m,p-xylene	9.140	106	77917	5.312	ug/L	98
54) o-xylene	9.545	106	73484	5.325	ug/L	94
55) Styrene	9.561	104	126930	5.338	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.242	83	37494	5.726	ug/L	97
59) Bromoform	9.734	173	21261	5.402	ug/L	98
60) Isopropylbenzene	9.934	105	197119	5.523	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	26656	5.460	ug/L	98
62) 1,3,5-Trimethylbenzene	10.541	105	149417	5.182	ug/L	98
63) 1,2,4-Trimethylbenzene	10.914	105	157223	5.448	ug/L	98
64) 1,3-Dichlorobenzene	11.181	146	101938	5.442	ug/L	97
65) 1,4-Dichlorobenzene	11.275	146	99408	5.227	ug/L	97
67) 1,2-Dichlorobenzene	11.644	146	93867	5.342	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	5327	5.995	ug/L	86
69) 1,3,5-Trichlorobenzene	12.644	180	77802	5.514	ug/L	97
70) 1,2,4-trichlorobenzene	13.262	180	57326	5.318	ug/L	98
71) Naphthalene	13.503	128	86402	5.043	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	53600	5.274	ug/L	100

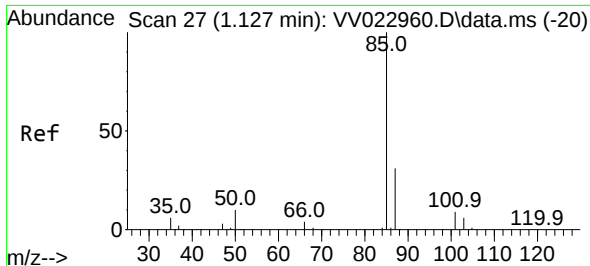
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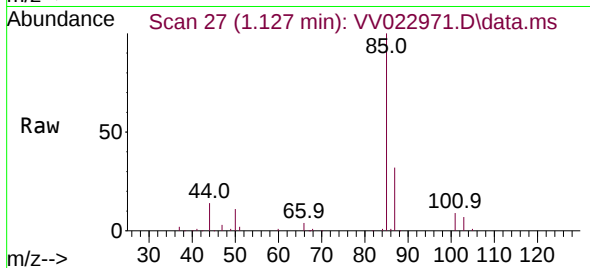
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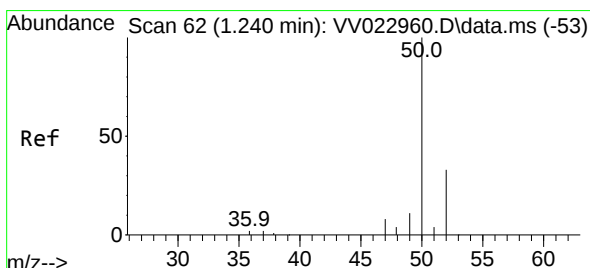
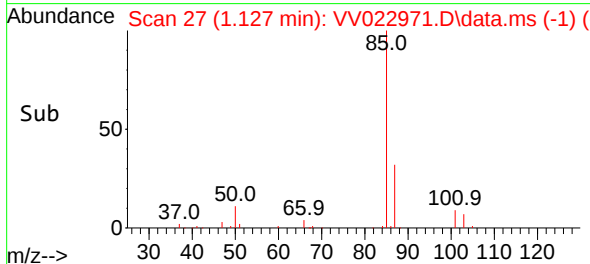
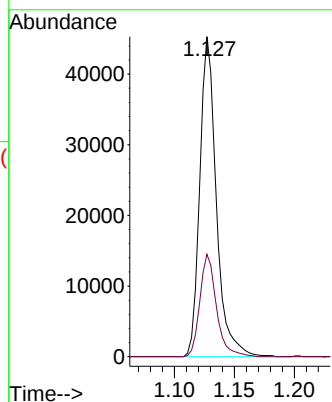


#2
 Dichlorodifluoromethane
 Concen: 4.509 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV022971.D
 Acq: 21 Oct 2021 22:01

Instrument :
 MSVOA_V
 ClientSampleId :

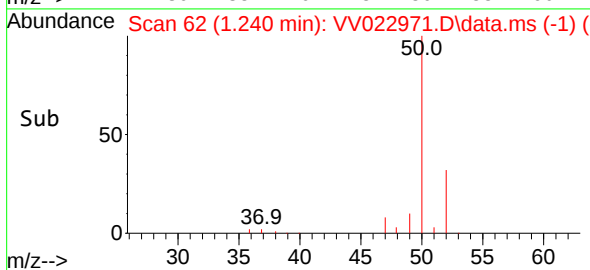
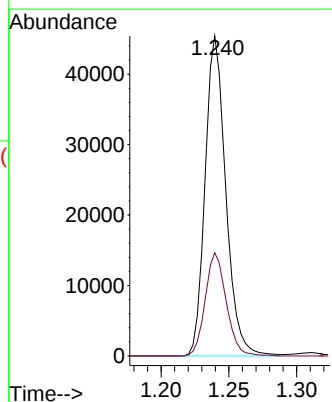
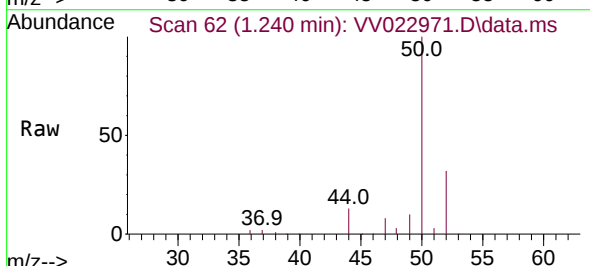


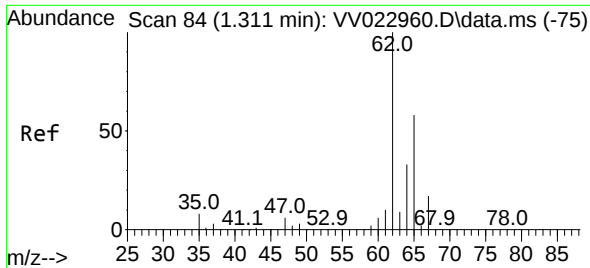
Tgt Ion: 85 Resp: 43607
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.3 39.5



#3
 Chloromethane
 Concen: 4.966 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV022971.D
 Acq: 21 Oct 2021 22:01

Tgt Ion: 50 Resp: 48269
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.9 42.5

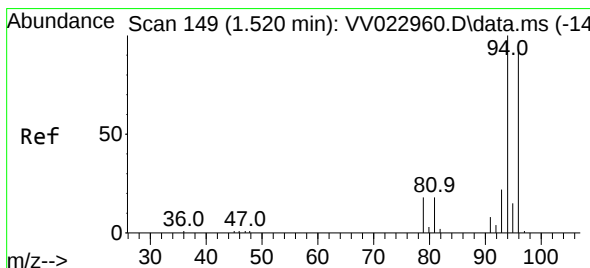
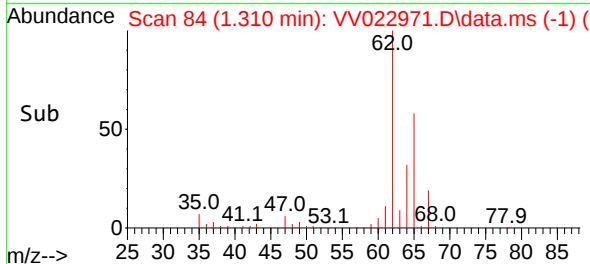
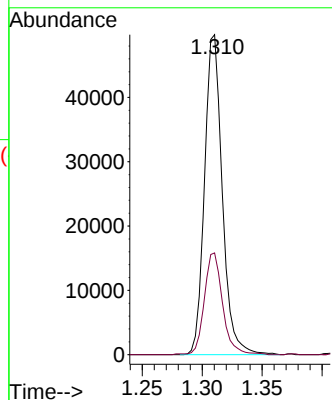
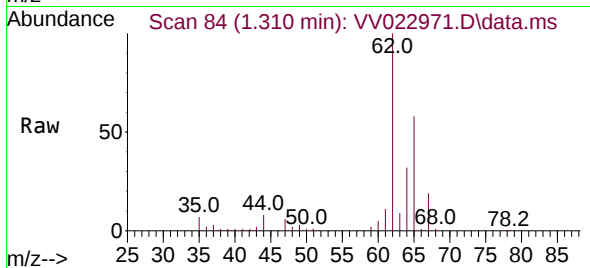




#5
 Vinyl chloride
 Concen: 5.115 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV022971.D
 Acq: 21 Oct 2021 22:01

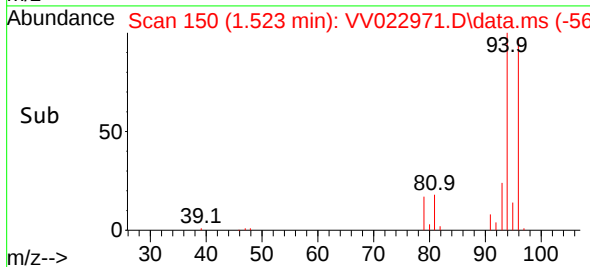
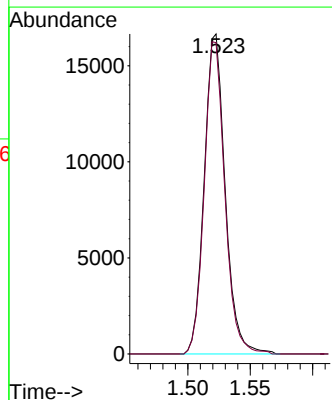
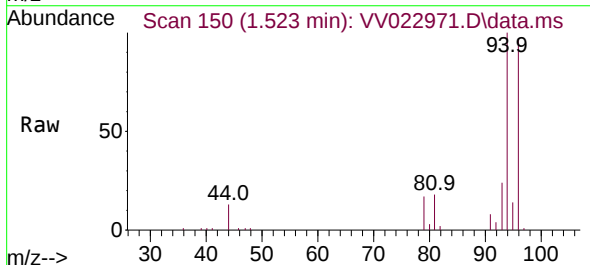
Instrument :
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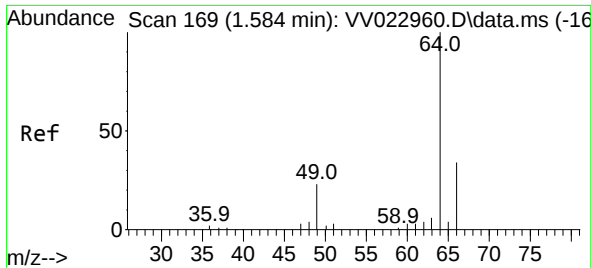
Tgt Ion: 62 Resp: 51367
 Ion Ratio Lower Upper
 62 100
 64 31.8 23.0 42.8



#6
 Bromomethane
 Concen: 3.119 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV022971.D
 Acq: 21 Oct 2021 22:01

Tgt Ion: 94 Resp: 19525
 Ion Ratio Lower Upper
 94 100
 96 97.3 67.2 124.8

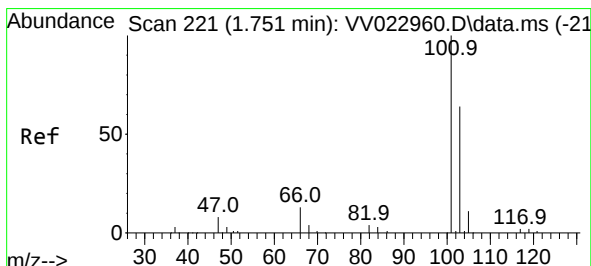
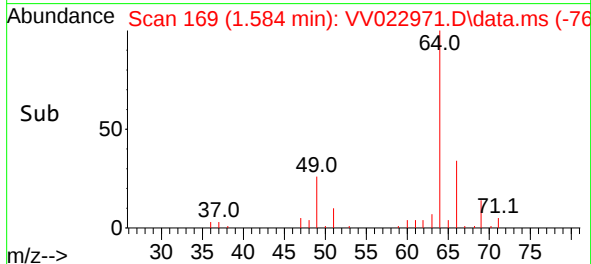
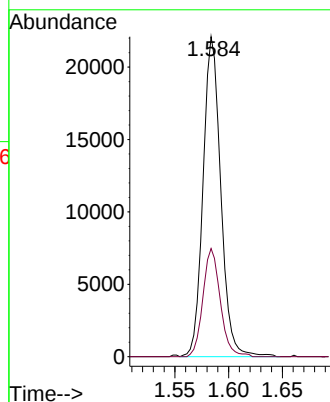
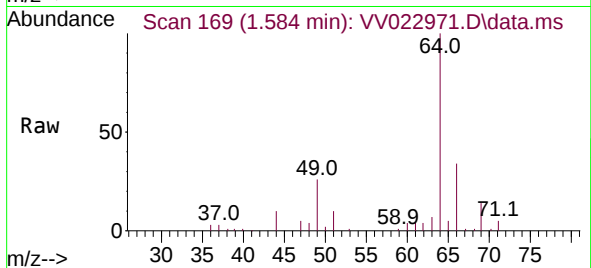




#8
Chloroethane
Concen: 4.075 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

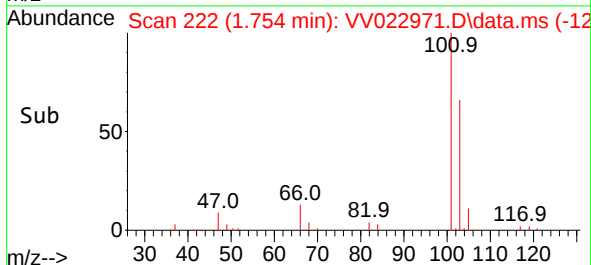
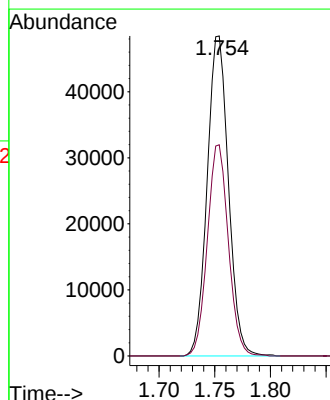
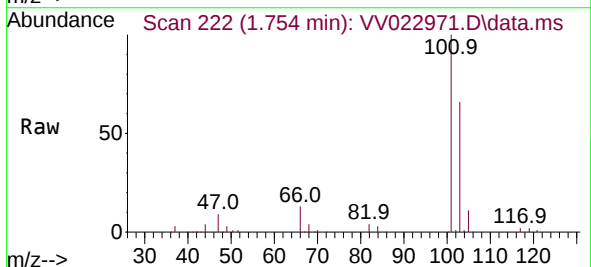
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MSVOA_V
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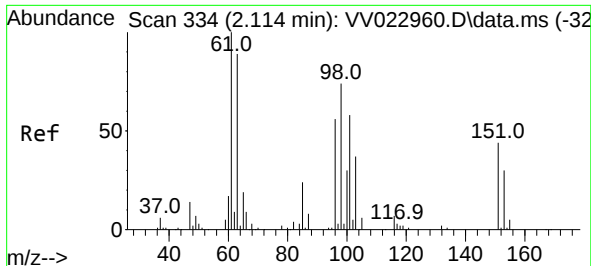
Tgt Ion: 64 Resp: 25318
Ion Ratio Lower Upper
64 100
66 33.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.370 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

Tgt Ion:101 Resp: 64279
Ion Ratio Lower Upper
101 100
103 65.2 50.3 75.5

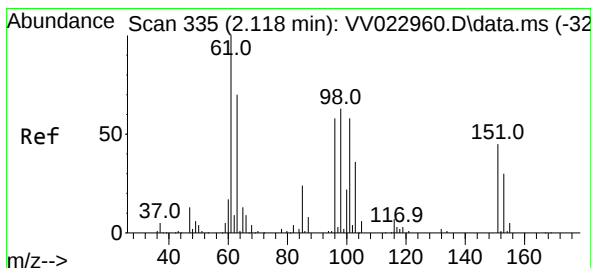
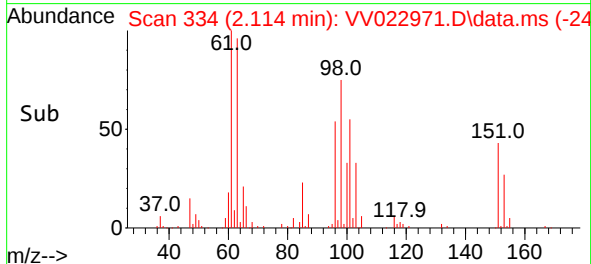
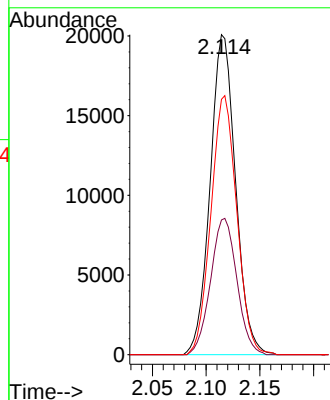
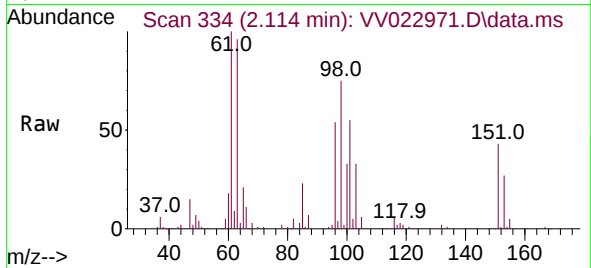




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.860 ug/L
 RT: 2.114 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV022971.D
 Acq: 21 Oct 2021 22:01

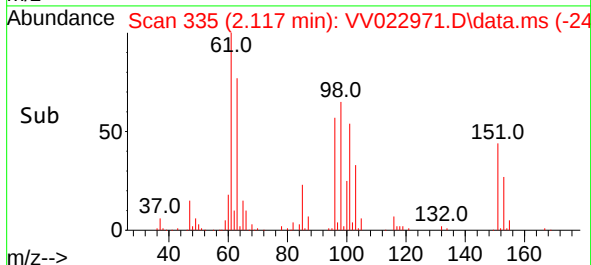
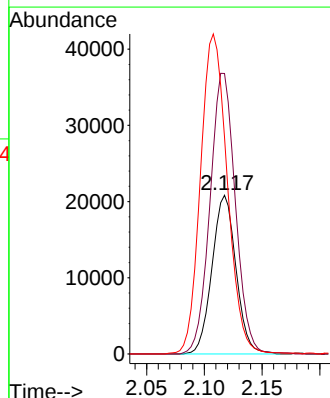
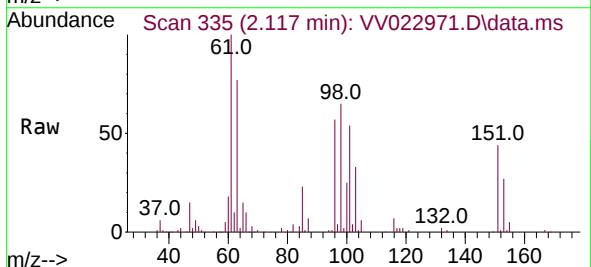
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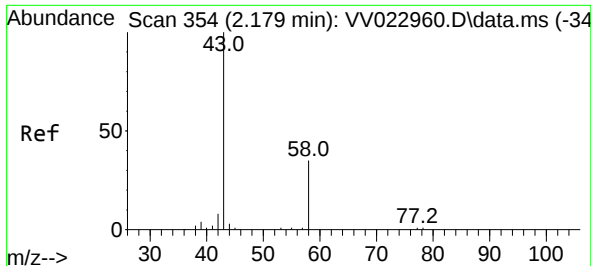
Tgt Ion:101 Resp: 33034
 Ion Ratio Lower Upper
 101 100
 85 44.1 34.6 52.0
 151 82.2 60.9 91.3



#12
 1,1-Dichloroethene
 Concen: 3.747 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV022971.D
 Acq: 21 Oct 2021 22:01

Tgt Ion: 96 Resp: 30032
 Ion Ratio Lower Upper
 96 100
 61 176.8 127.3 236.5
 63 136.7 106.2 197.2





#13

Acetone

Concen: 30.021 ug/L

RT: 2.185 min Scan# 354

Delta R.T. 0.006 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Instrument :

MSVOA_V

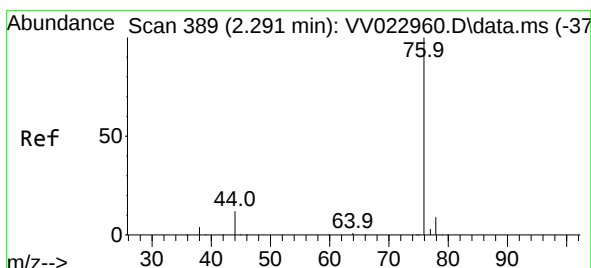
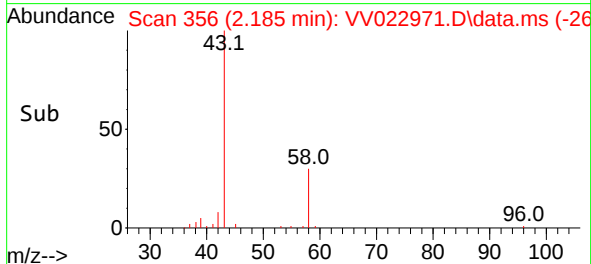
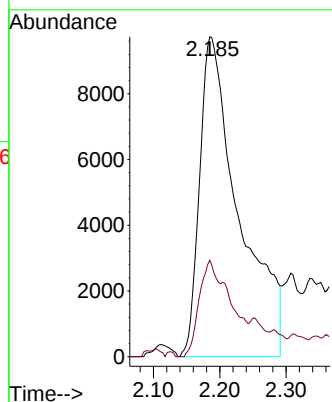
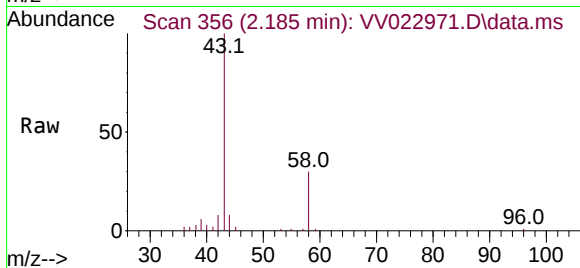
ClientSampleId :

Tgt Ion: 43 Resp: 40073

Ion Ratio Lower Upper

43 100

58 24.1 0.0 24.2



#14

Carbon disulfide

Concen: 3.720 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.000 min

Lab File: VV022971.D

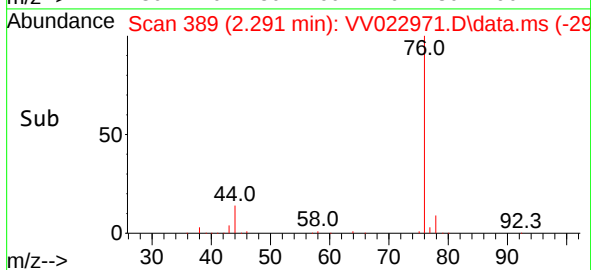
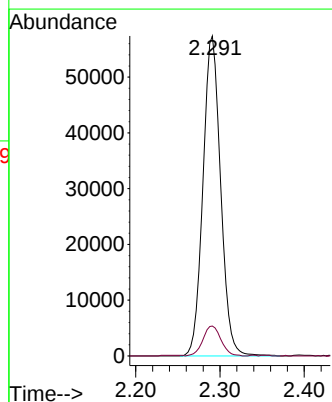
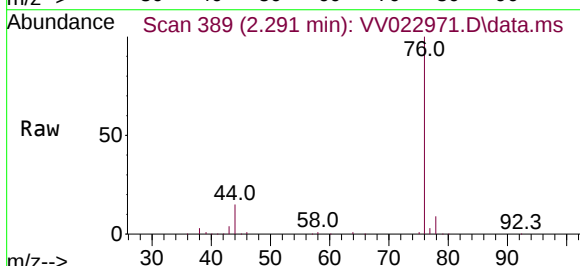
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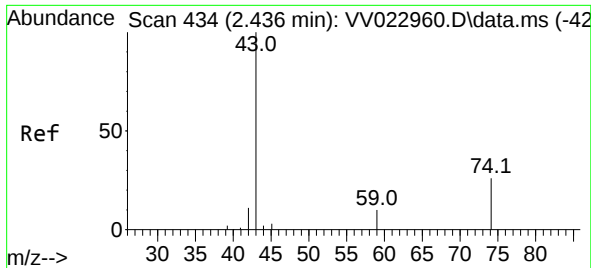
Tgt Ion: 76 Resp: 83809

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

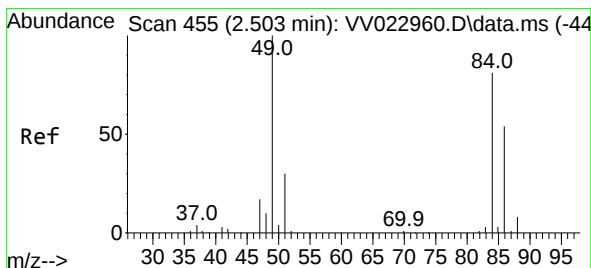
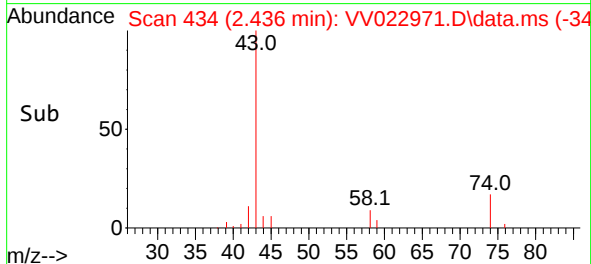
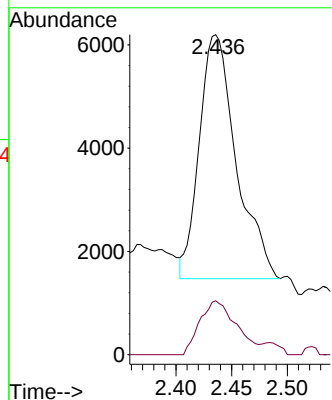
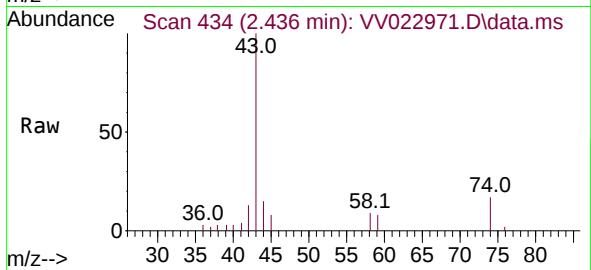




#15
Methyl Acetate
Concen: 2.863 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

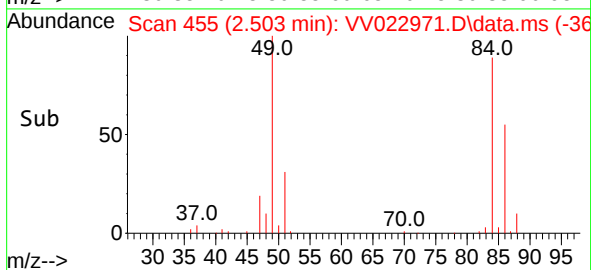
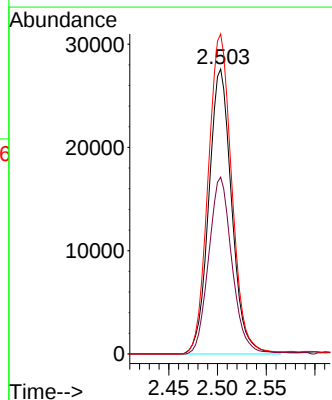
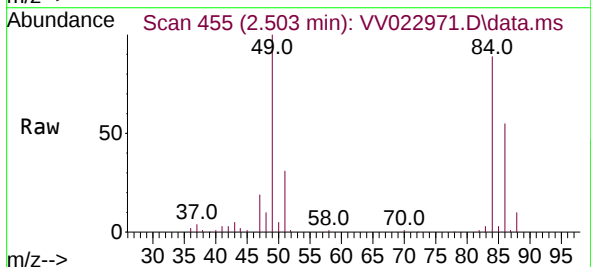
Instrument :
MSVOA_V
ClientSampleId :

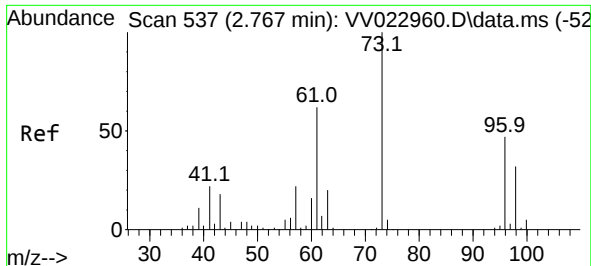
Tgt Ion: 43 Resp: 10933
Ion Ratio Lower Upper
43 100
74 21.8 19.9 29.9



#16
Methylene chloride
Concen: 4.090 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

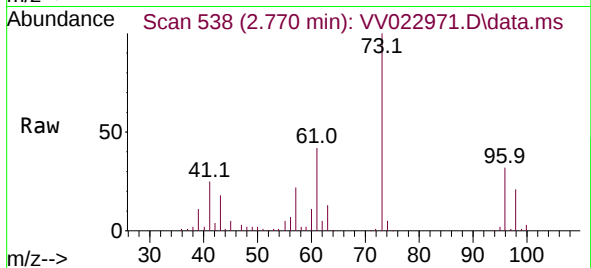
Tgt Ion: 84 Resp: 45121
Ion Ratio Lower Upper
84 100
86 62.0 45.8 85.2
49 112.3 90.3 167.7



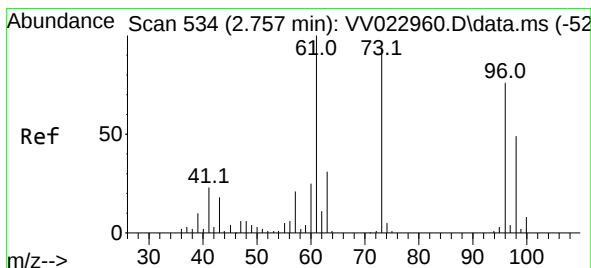
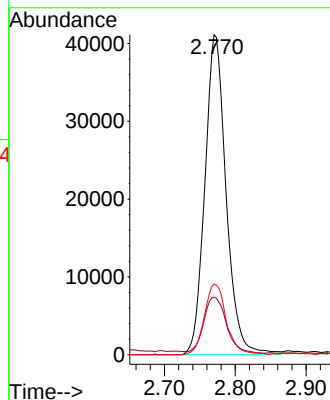
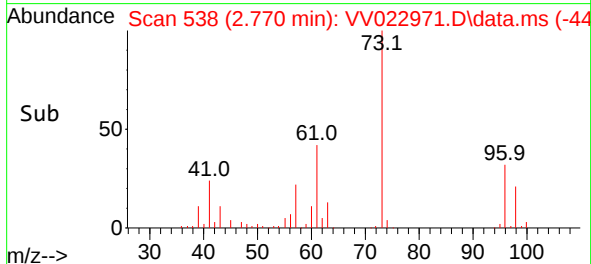


#17
Methyl tert-butyl Ether
Concen: 4.422 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

Instrument :
MSVOA_V
ClientSampleId :

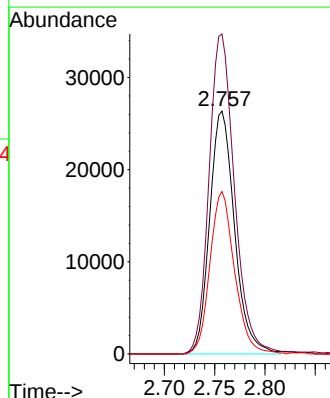
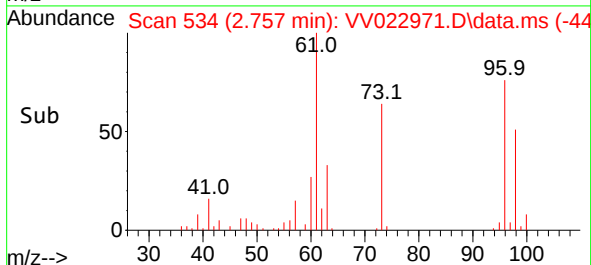
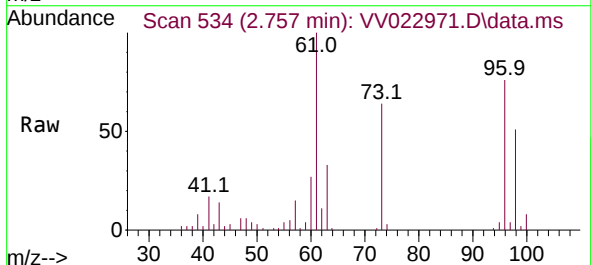


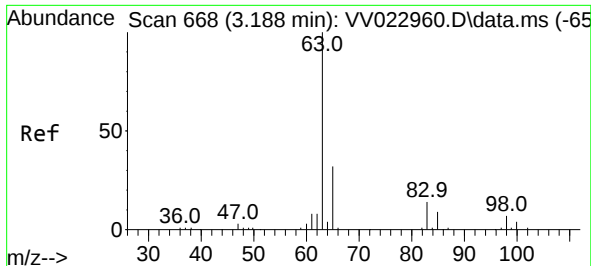
Tgt Ion: 73 Resp: 85774
Ion Ratio Lower Upper
73 100
43 18.6 17.1 25.7
57 22.7 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 5.216 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

Tgt Ion: 96 Resp: 45464
Ion Ratio Lower Upper
96 100
61 131.7 94.5 175.5
98 66.8 44.2 82.0

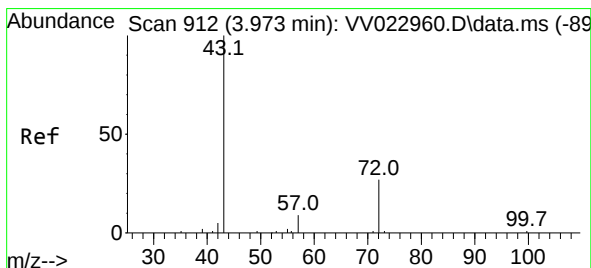
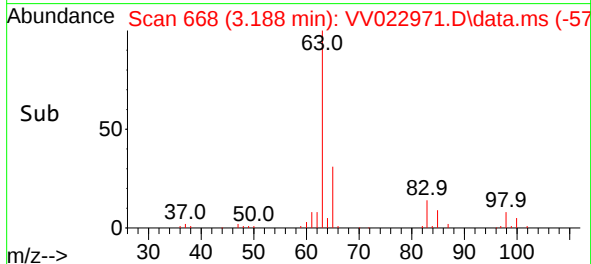
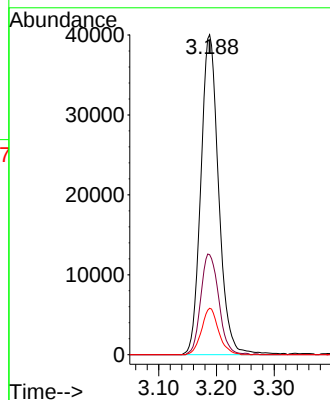
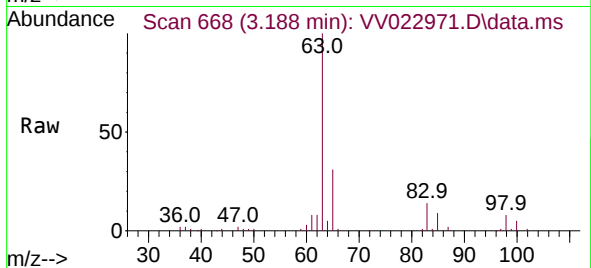




#19
1,1-Dichloroethane
Concen: 5.459 ug/L
RT: 3.188 min Scan# 60
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

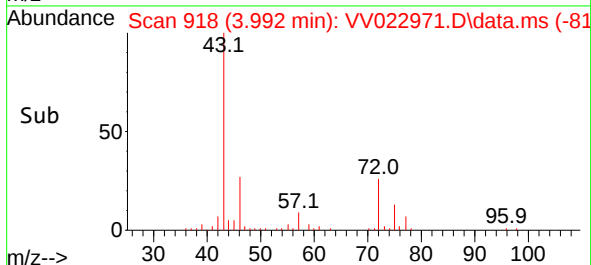
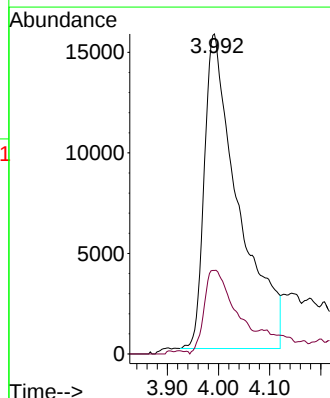
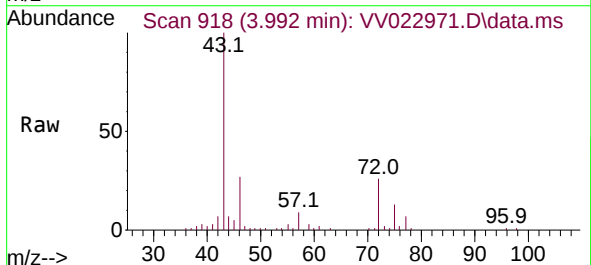
Instrument :
MSVOA_V
ClientSampleId :

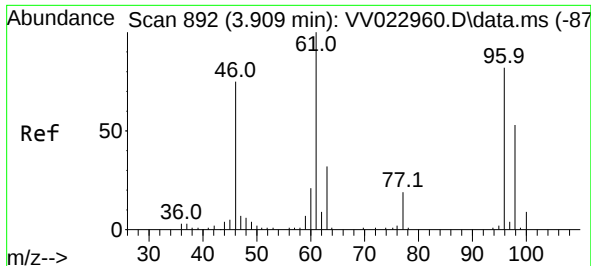
Tgt Ion: 63 Resp: 85705
Ion Ratio Lower Upper
63 100
65 31.3 23.5 43.7
83 14.5 10.1 18.7



#21
2-Butanone
Concen: 33.171 ug/L
RT: 3.992 min Scan# 918
Delta R.T. 0.019 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

Tgt Ion: 43 Resp: 72497
Ion Ratio Lower Upper
43 100
72 24.2 12.3 36.8





#22

cis-1,2-Dichloroethene

Concen: 5.136 ug/L

RT: 3.912 min Scan# 892

Delta R.T. 0.003 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

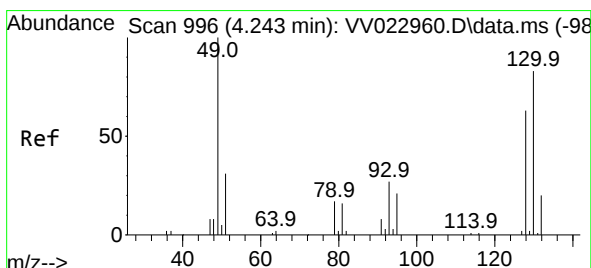
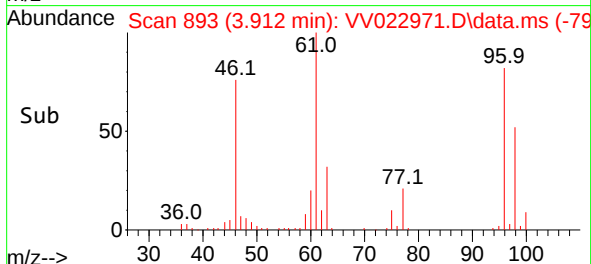
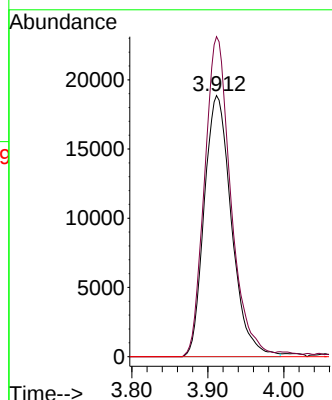
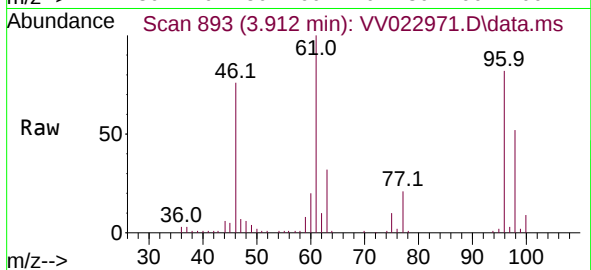
Tgt Ion: 96 Resp: 47009

Ion Ratio Lower Upper

96 100

61 122.6 86.0 159.6

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.259 ug/L

RT: 4.249 min Scan# 998

Delta R.T. 0.006 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Tgt Ion: 128 Resp: 21386

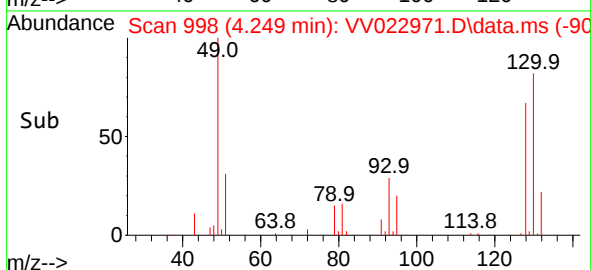
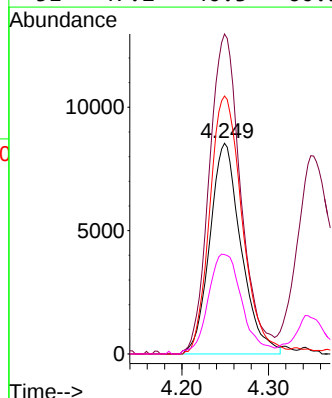
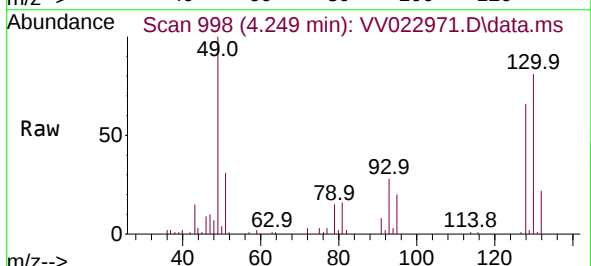
Ion Ratio Lower Upper

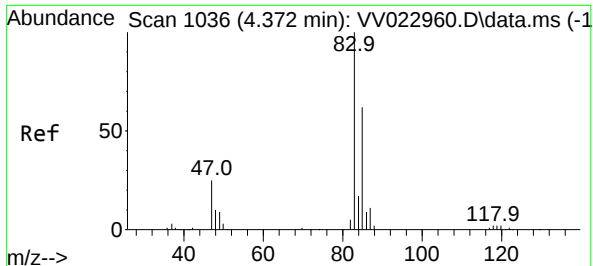
128 100

49 151.8 106.9 198.5

130 122.4 91.9 170.7

51 47.2 40.3 60.5





#25

Chloroform

Concen: 4.823 ug/L

RT: 4.375 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Instrument :

MSVOA_V

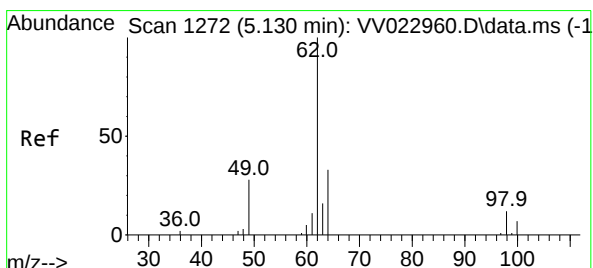
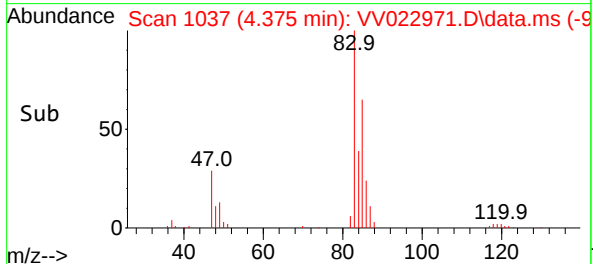
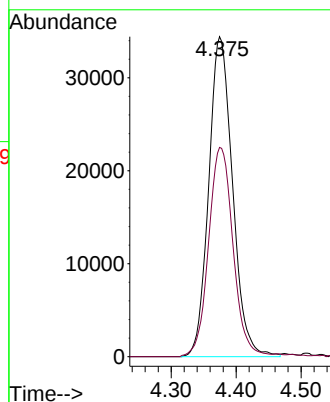
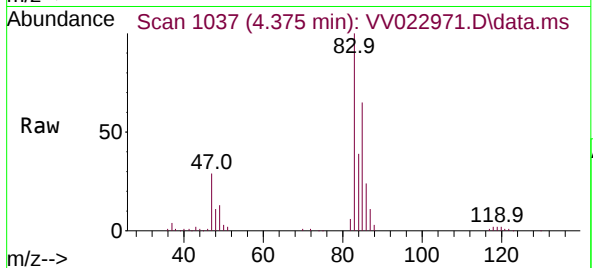
ClientSampleId :

Tgt Ion: 83 Resp: 87771

Ion Ratio Lower Upper

83 100

85 65.4 45.7 84.9



#27

1,2-Dichloroethane

Concen: 4.917 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VV022971.D

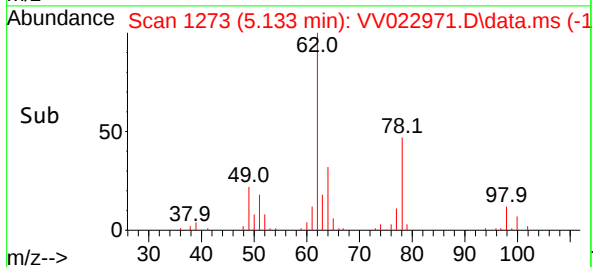
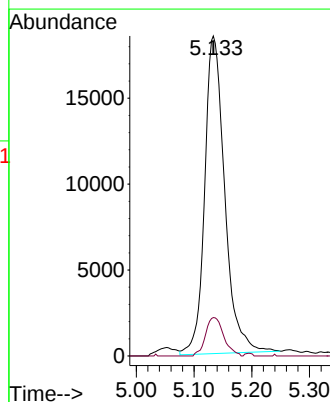
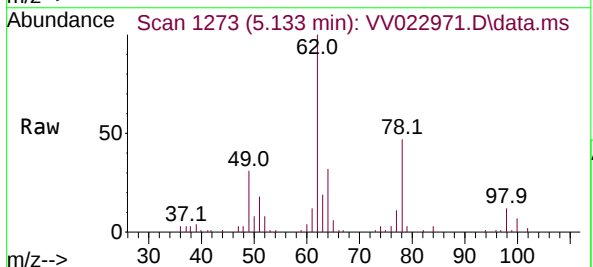
Acq: 21 Oct 2021 22:01

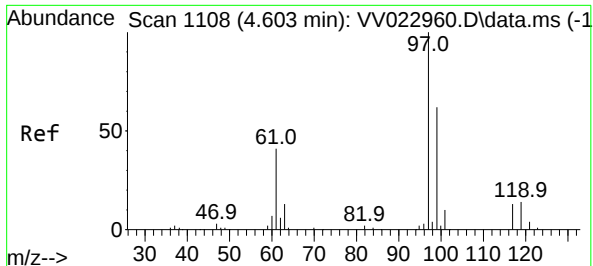
Tgt Ion: 62 Resp: 44665

Ion Ratio Lower Upper

62 100

98 12.0 9.7 14.5





#29

1,1,1-Trichloroethane

Concen: 4.918 ug/L

RT: 4.606 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

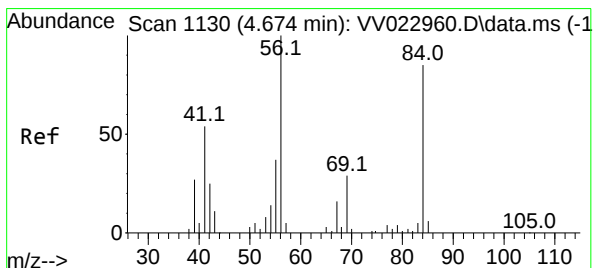
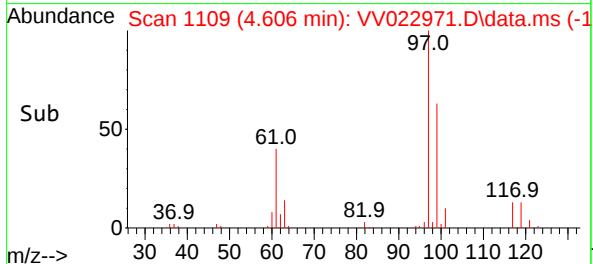
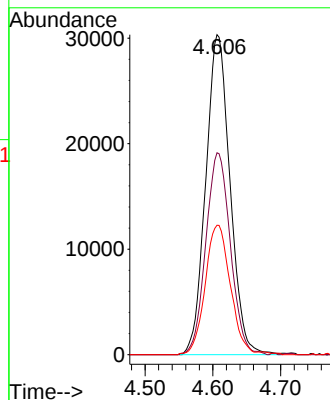
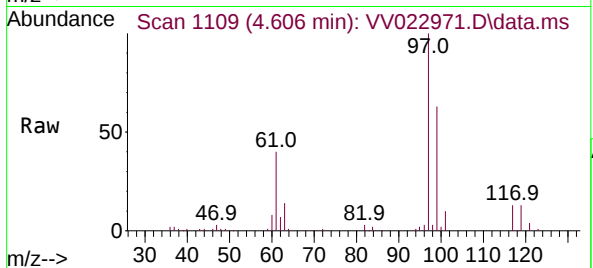
Tgt Ion: 97 Resp: 75618

Ion Ratio Lower Upper

97 100

99 63.8 51.2 76.8

61 41.7 33.2 49.8



#30

Cyclohexane

Concen: 4.406 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

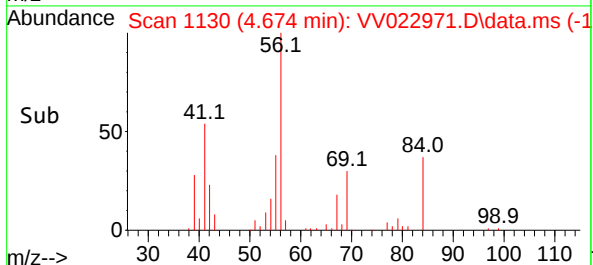
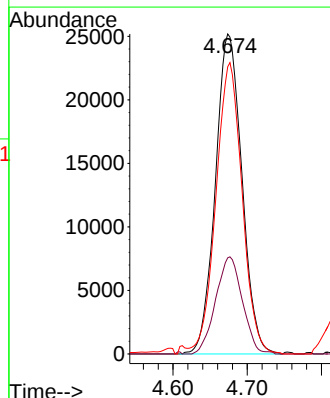
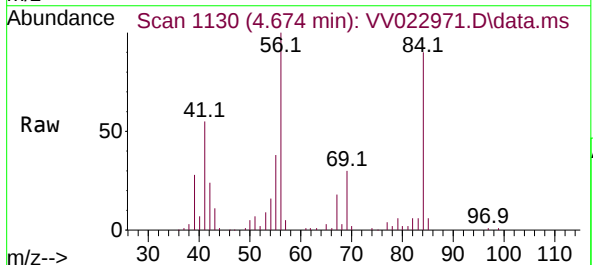
Tgt Ion: 56 Resp: 62514

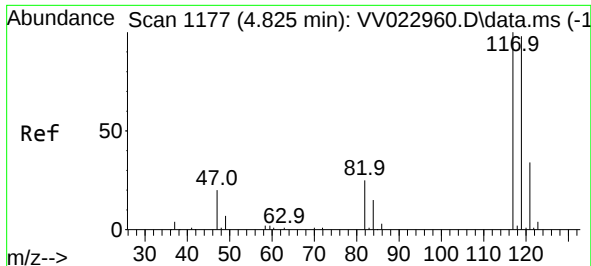
Ion Ratio Lower Upper

56 100

69 30.6 24.9 37.3

84 90.2 72.5 108.7

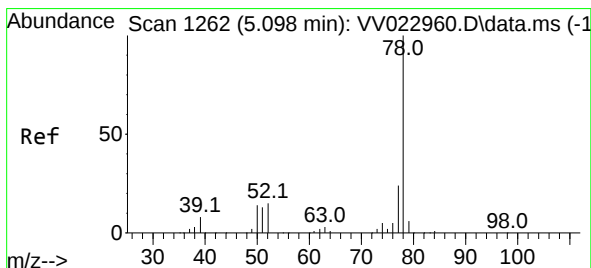
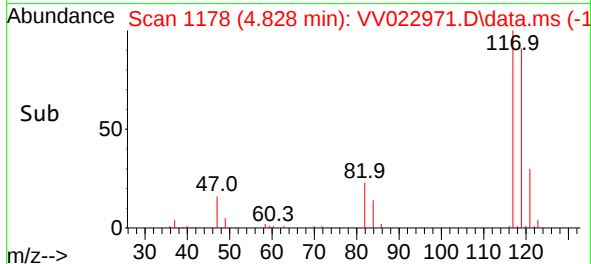
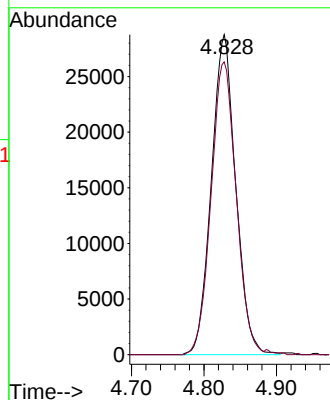
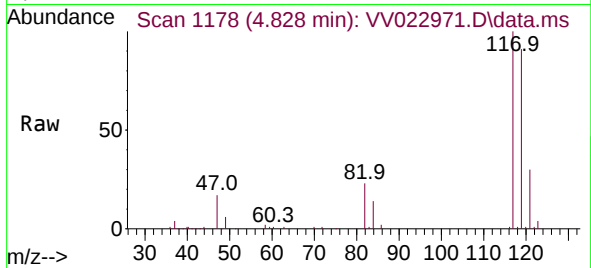




#31
Carbon tetrachloride
Concen: 5.024 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

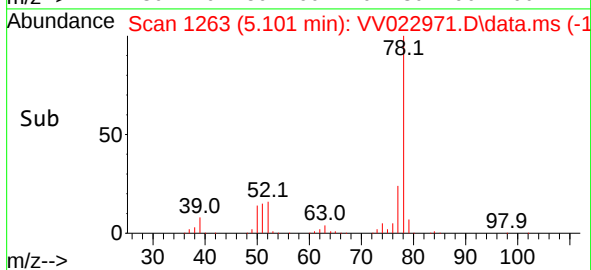
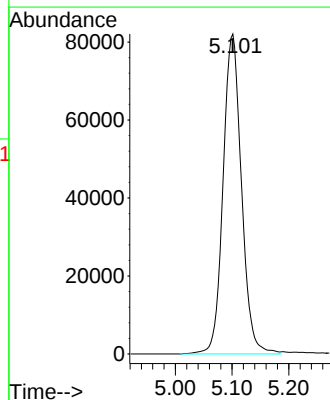
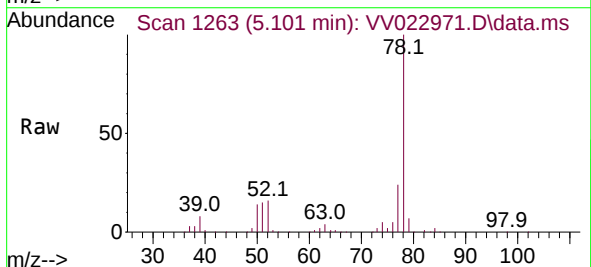
Instrument :
MSVOA_V
ClientSampleId :

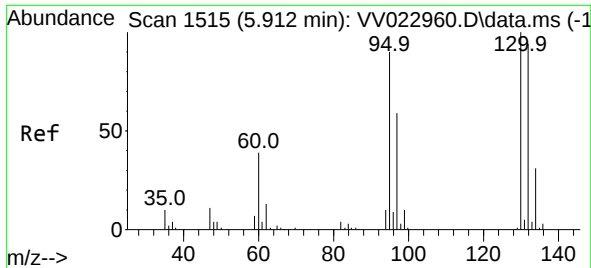
Tgt Ion:117 Resp: 67050
Ion Ratio Lower Upper
117 100
119 94.3 77.4 116.0



#33
Benzene
Concen: 5.097 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

Tgt Ion: 78 Resp: 184849

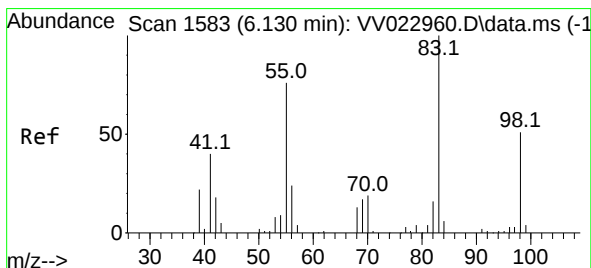
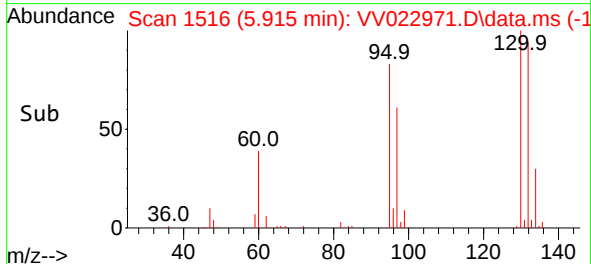
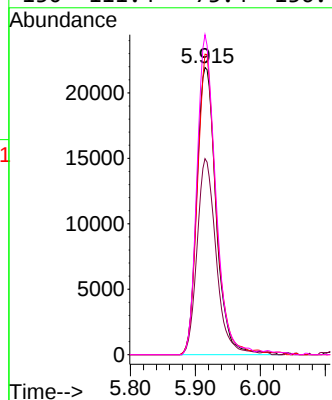
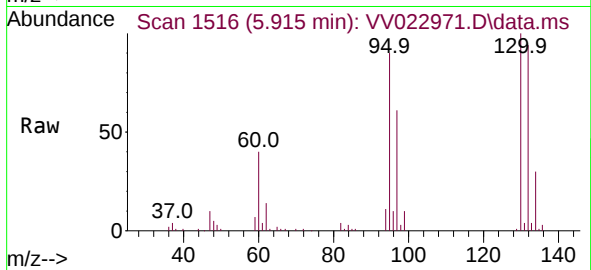




#34
Trichloroethene
Concen: 4.611 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

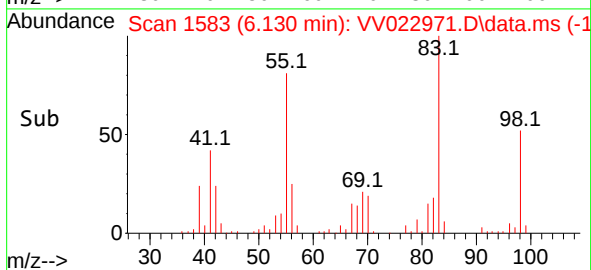
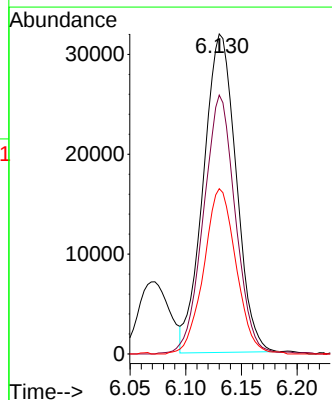
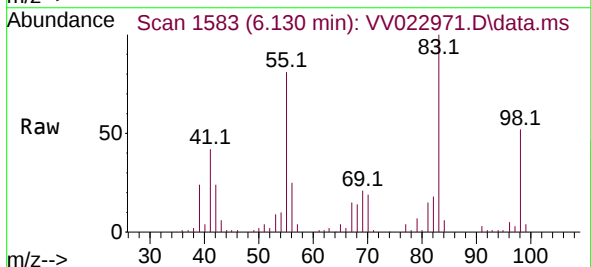
Instrument :
MSVOA_V
ClientSampleId :

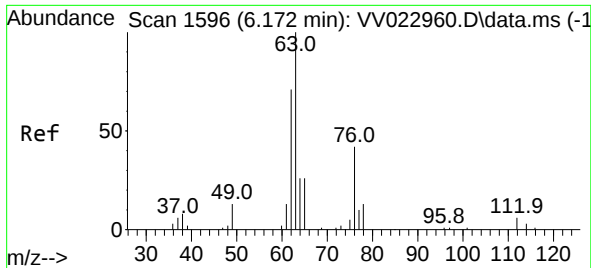
Tgt Ion: 95 Resp: 45474
Ion Ratio Lower Upper
95 100
97 68.3 45.8 85.2
132 104.6 72.2 134.0
130 111.4 73.4 136.4



#35
Methylcyclohexane
Concen: 4.722 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

Tgt Ion: 83 Resp: 65250
Ion Ratio Lower Upper
83 100
55 79.2 63.8 95.6
98 51.1 42.1 63.1





#37

1,2-Dichloropropane

Concen: 4.924 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Instrument :

MSVOA_V

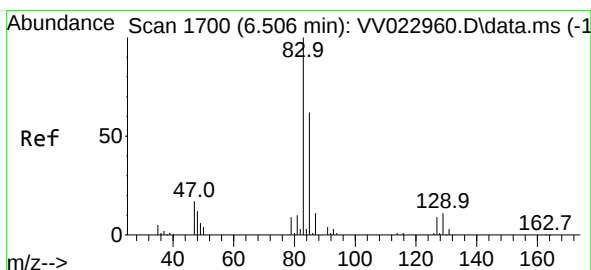
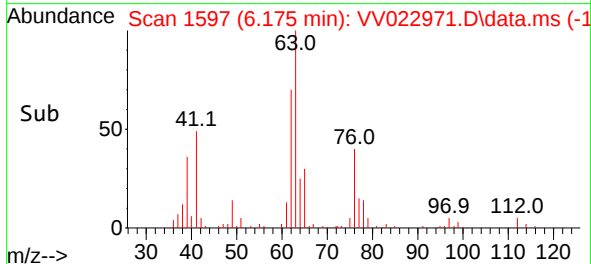
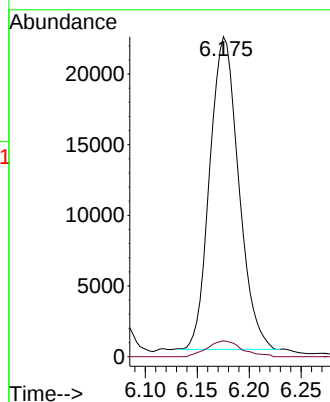
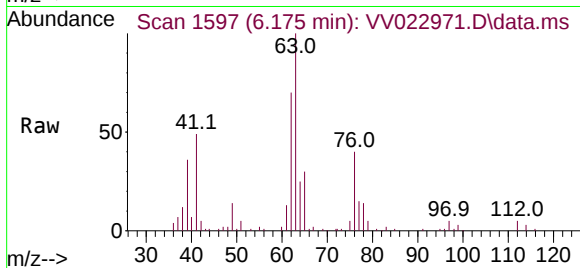
ClientSampleId :

Tgt Ion: 63 Resp: 42951

Ion Ratio Lower Upper

63 100

112 6.0 4.4 6.6



#38

Bromodichloromethane

Concen: 5.315 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

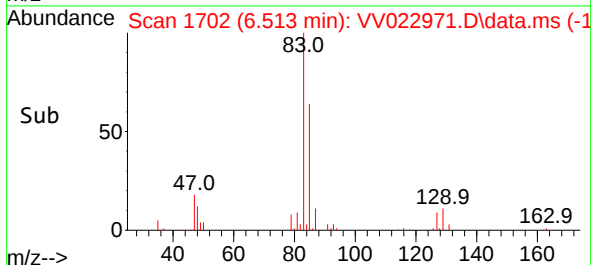
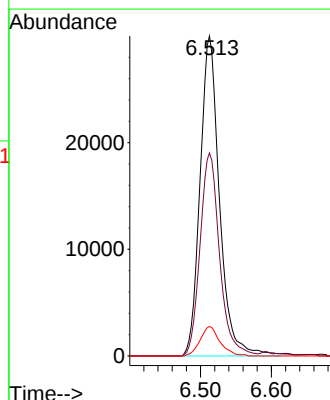
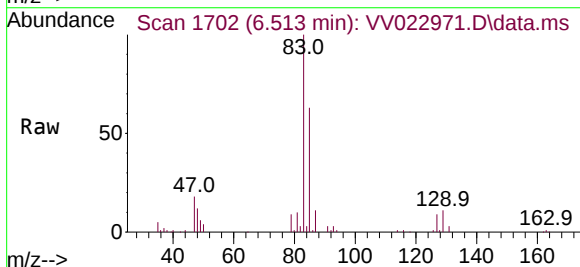
Tgt Ion: 83 Resp: 57122

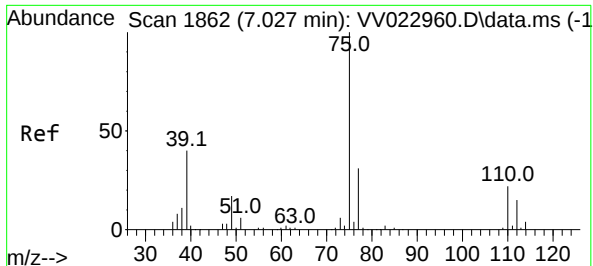
Ion Ratio Lower Upper

83 100

85 63.5 44.3 82.3

127 9.2 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 5.005 ug/L

RT: 7.030 min Scan# 1863

Delta R.T. 0.003 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Instrument :

MSVOA_V

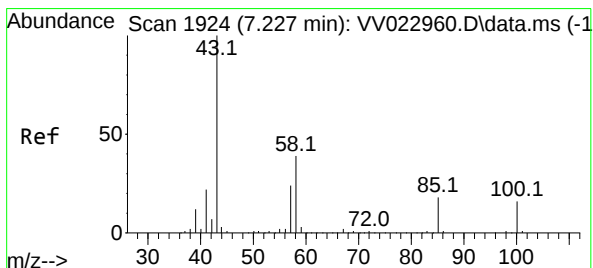
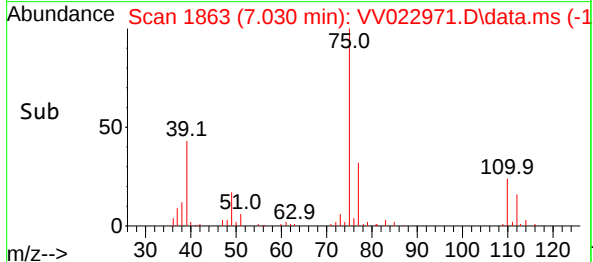
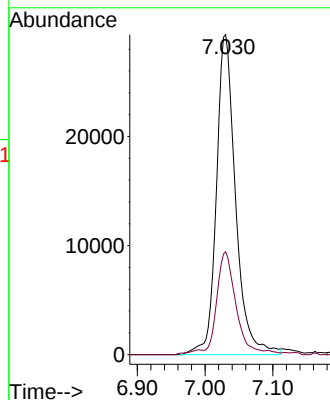
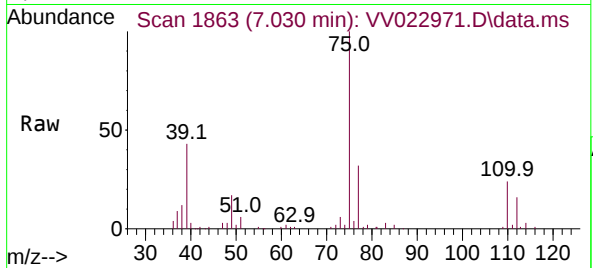
ClientSampleId :

Tgt Ion: 75 Resp: 57789

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 49.729 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.003 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

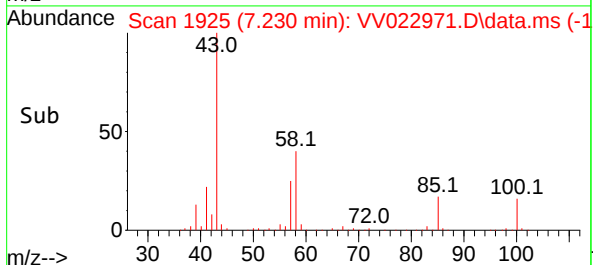
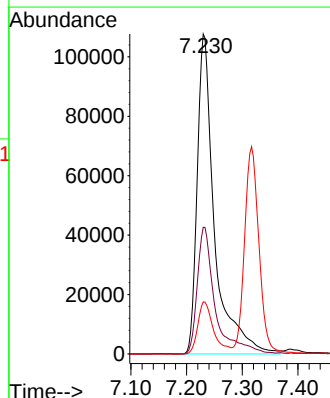
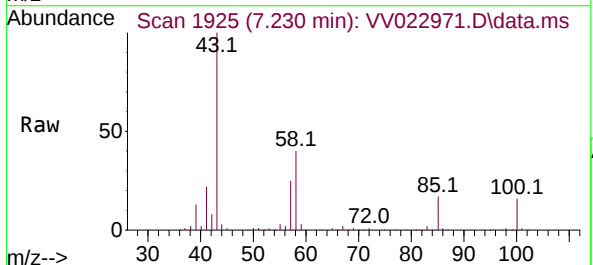
Tgt Ion: 43 Resp: 233061

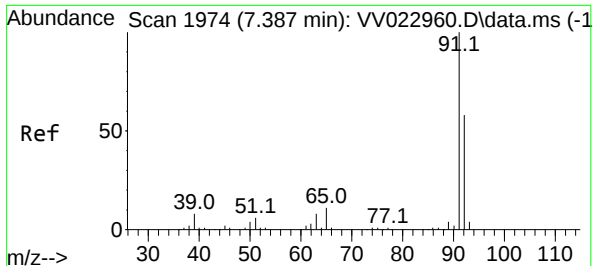
Ion Ratio Lower Upper

43 100

58 40.8 32.0 48.0

100 15.0 14.2 21.2

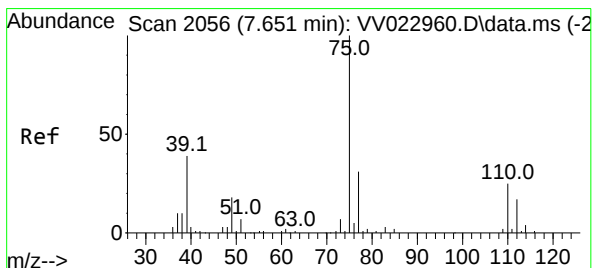
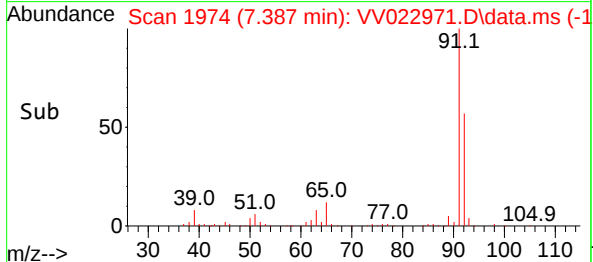
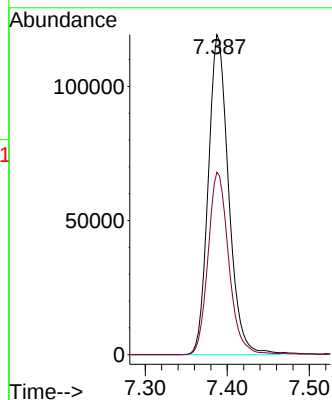
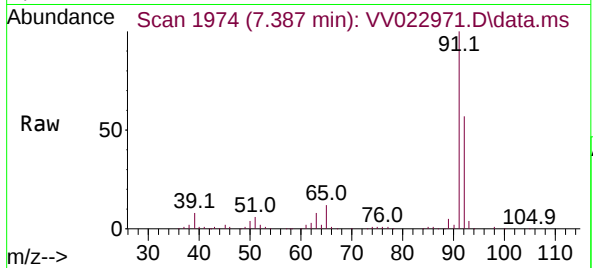




#42
Toluene
Concen: 5.591 ug/L
RT: 7.387 min Scan# 1974
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

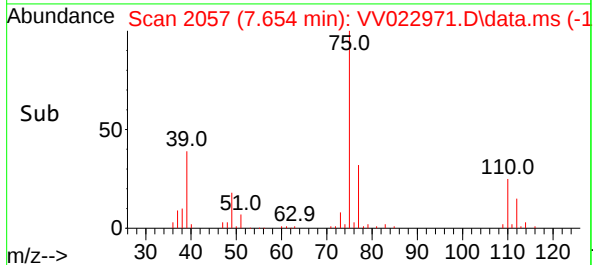
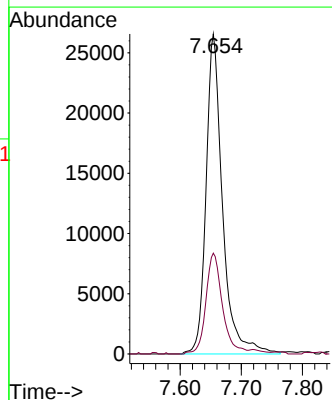
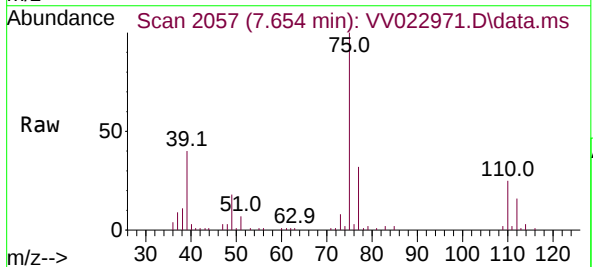
Instrument :
MSVOA_V
ClientSampleId :

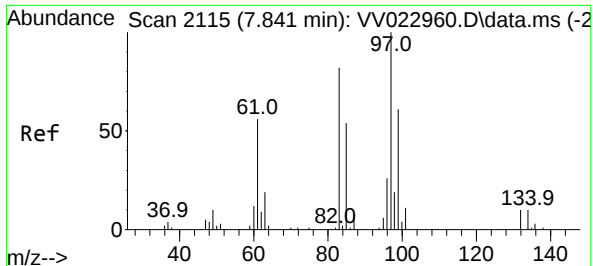
Tgt Ion: 91 Resp: 205859
Ion Ratio Lower Upper
91 100
92 57.0 40.7 75.7



#44
trans-1,3-Dichloropropene
Concen: 5.282 ug/L
RT: 7.654 min Scan# 2057
Delta R.T. 0.003 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

Tgt Ion: 75 Resp: 49720
Ion Ratio Lower Upper
75 100
77 31.5 23.9 44.5





#45

1,1,2-Trichloroethane

Concen: 5.129 ug/L

RT: 7.844 min Scan# 2115

Delta R.T. 0.003 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 33199

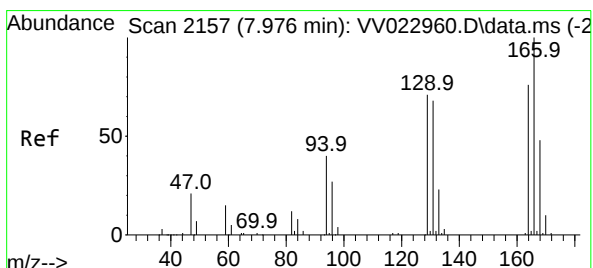
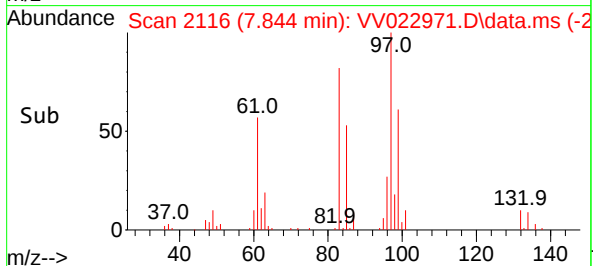
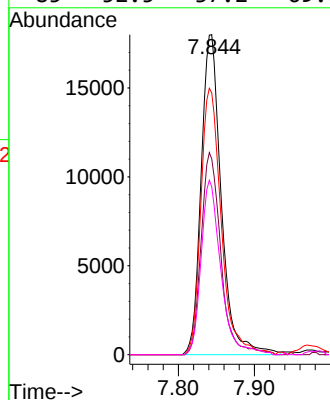
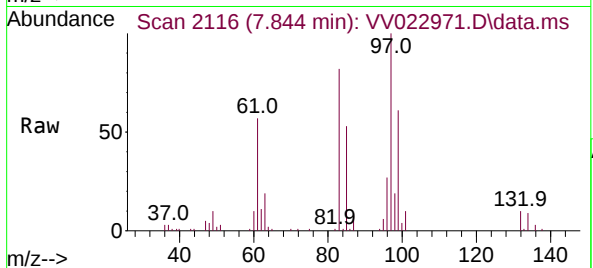
Ion Ratio Lower Upper

97 100

99 61.2 44.5 82.7

83 81.8 56.6 105.0

85 52.5 37.2 69.0



#47

Tetrachloroethene

Concen: 5.003 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Tgt Ion: 164 Resp: 39901

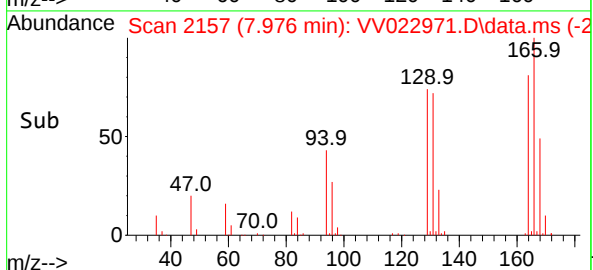
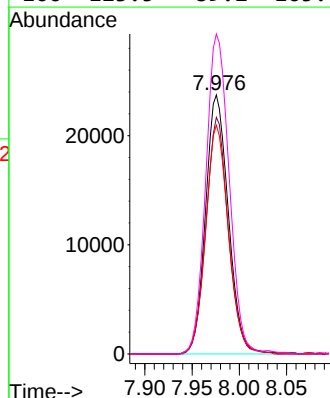
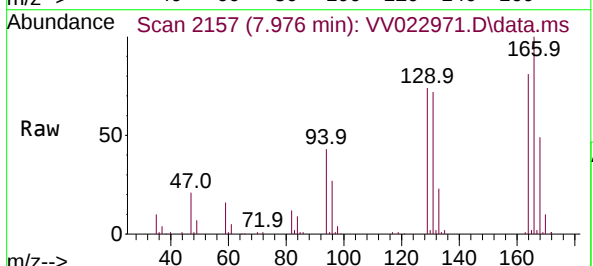
Ion Ratio Lower Upper

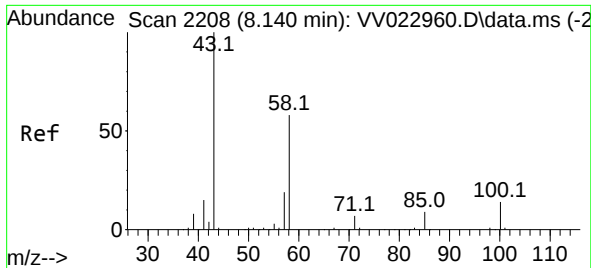
164 100

129 91.3 65.0 120.6

131 88.3 62.2 115.4

166 123.5 89.2 165.8

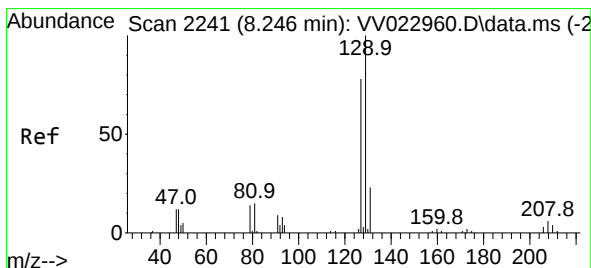
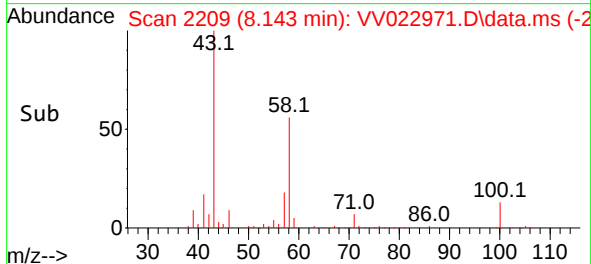
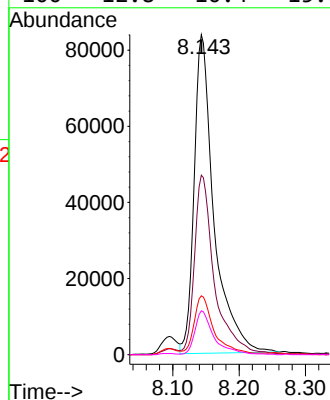
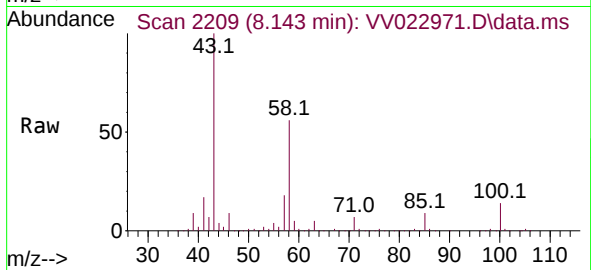




#48
2-Hexanone
Concen: 50.838 ug/L
RT: 8.143 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

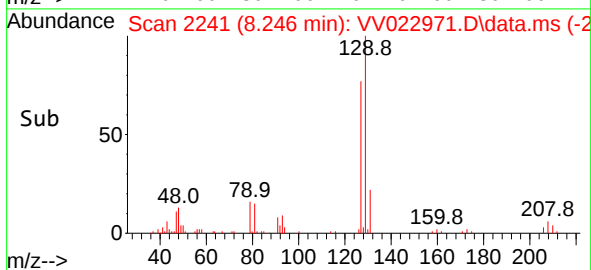
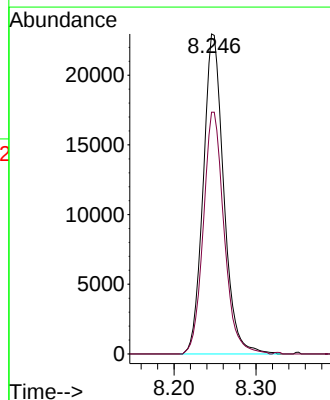
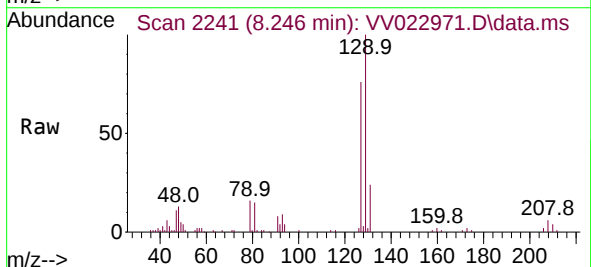
Instrument :
MSVOA_V
ClientSampleId :

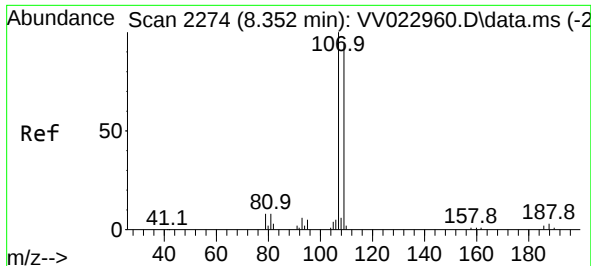
Tgt Ion: 43 Resp: 174207
Ion Ratio Lower Upper
43 100
58 56.0 47.4 71.0
57 18.7 15.3 22.9
100 12.8 10.4 15.6



#49
Dibromochloromethane
Concen: 5.260 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

Tgt Ion: 129 Resp: 39857
Ion Ratio Lower Upper
129 100
127 75.6 59.1 109.9





#50

1,2-Dibromoethane

Concen: 4.980 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.003 min

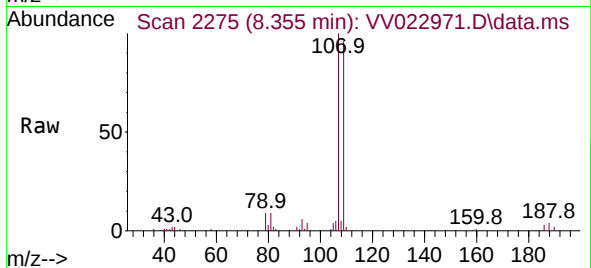
Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :



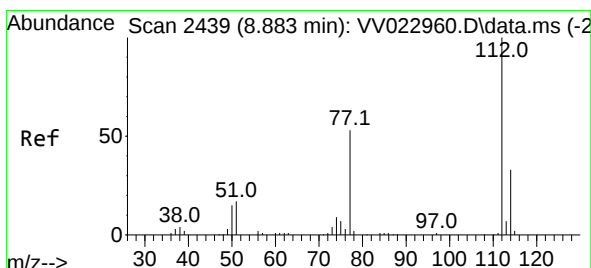
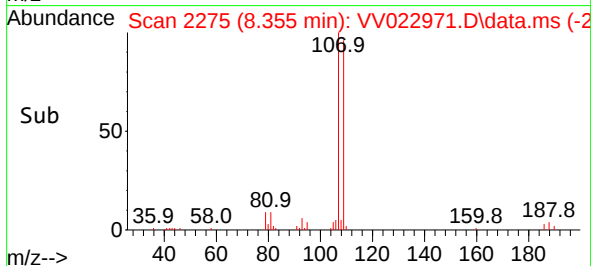
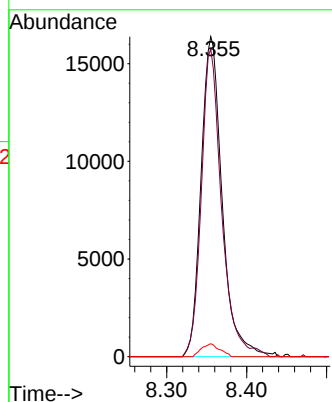
Tgt Ion:107 Resp: 30099

Ion Ratio Lower Upper

107 100

109 96.2 67.1 124.5

188 4.1 3.4 5.0



#51

Chlorobenzene

Concen: 5.147 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. -0.000 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

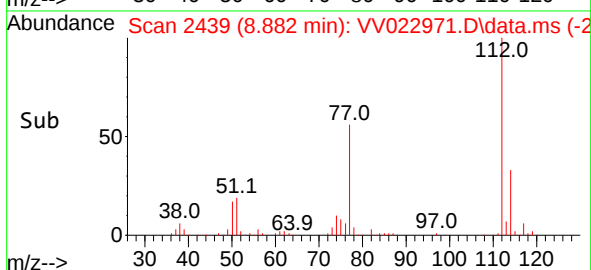
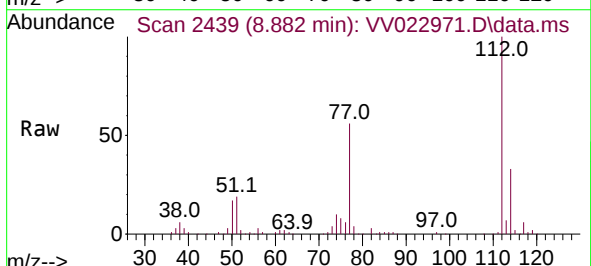
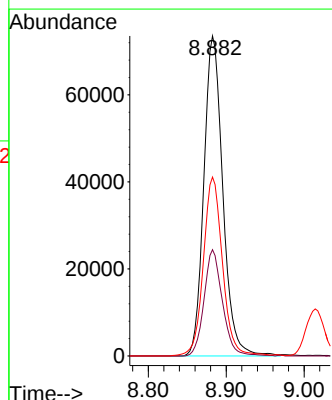
Tgt Ion:112 Resp: 124501

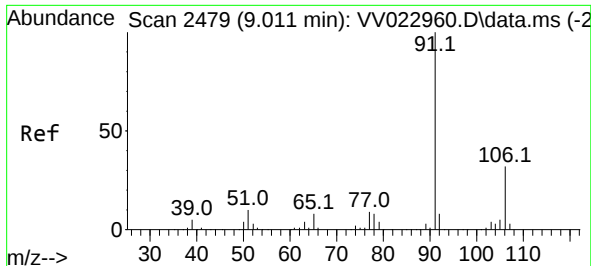
Ion Ratio Lower Upper

112 100

114 33.2 21.6 40.2

77 55.9 43.7 65.5





#52

Ethylbenzene

Concen: 5.177 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Instrument :

MSVOA_V

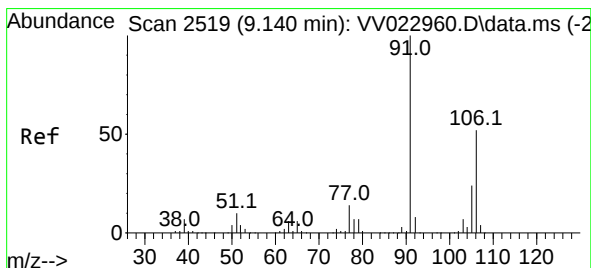
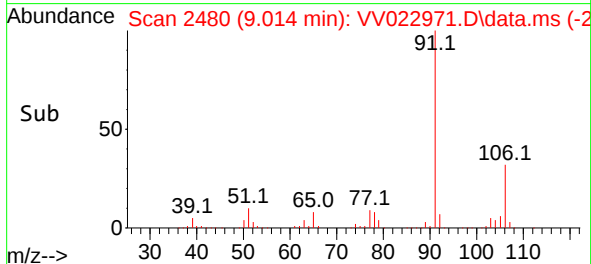
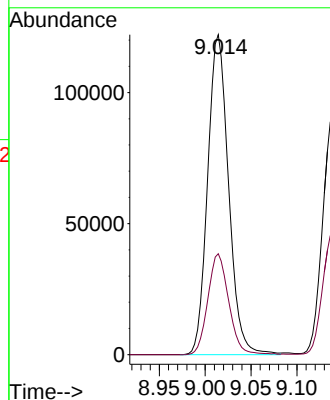
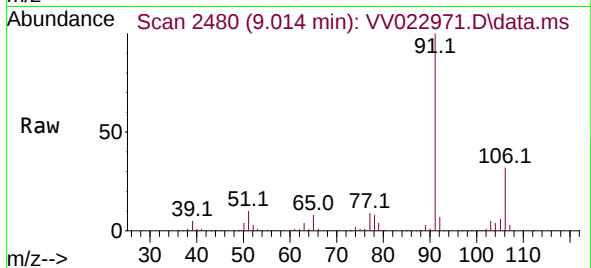
ClientSampleId :

Tgt Ion: 91 Resp: 193502

Ion Ratio Lower Upper

91 100

106 31.5 21.6 40.2



#53

m,p-xylene

Concen: 5.312 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. -0.000 min

Lab File: VV022971.D

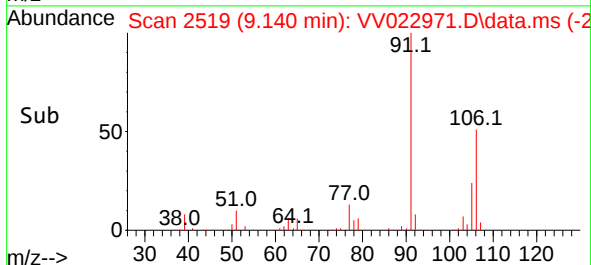
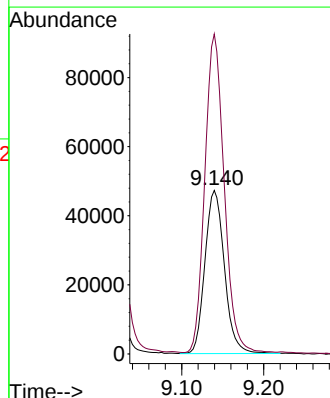
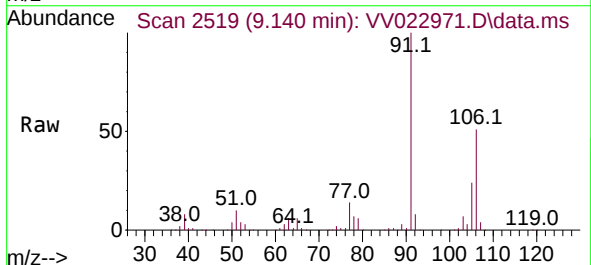
Acq: 21 Oct 2021 22:01

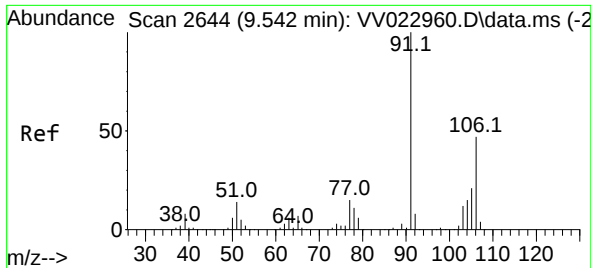
Tgt Ion: 106 Resp: 77917

Ion Ratio Lower Upper

106 100

91 195.6 138.7 257.5

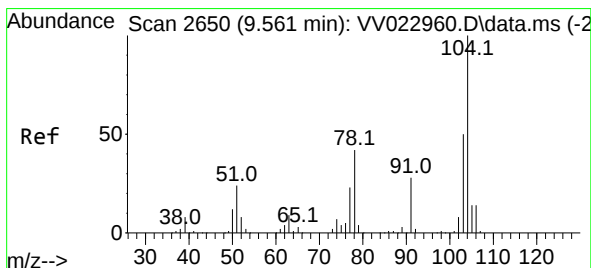
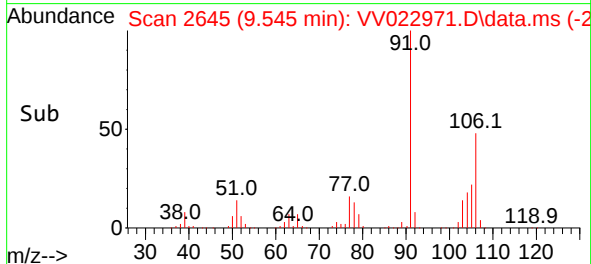
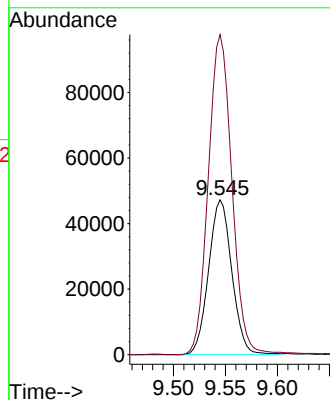
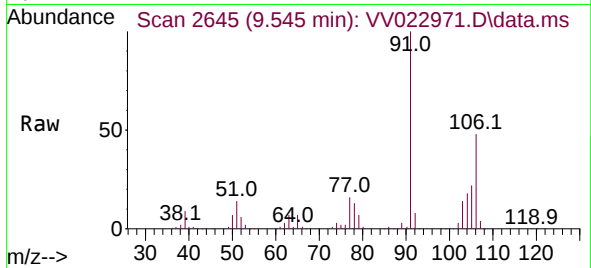




#54
o-xylene
Concen: 5.325 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

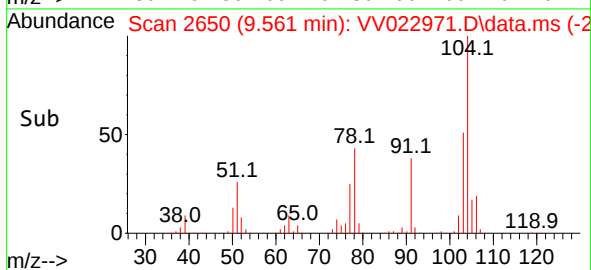
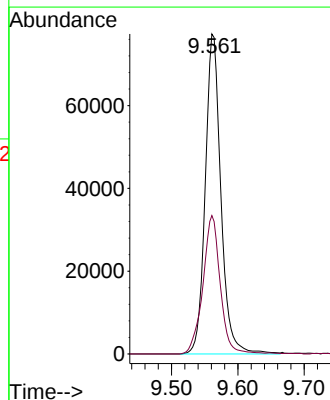
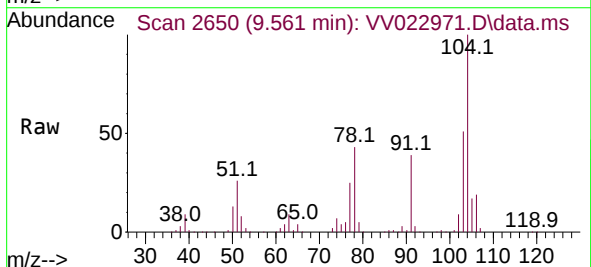
Instrument :
MSVOA_V
ClientSampleId :

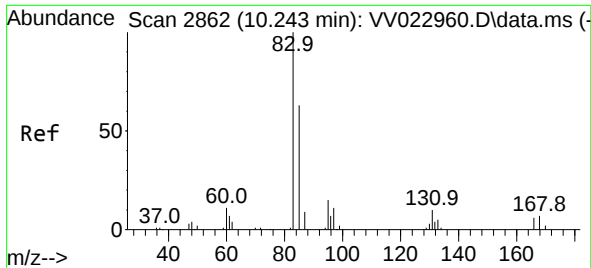
Tgt Ion:106 Resp: 73484
Ion Ratio Lower Upper
106 100
91 206.5 151.1 280.7



#55
Styrene
Concen: 5.338 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

Tgt Ion:104 Resp: 126930
Ion Ratio Lower Upper
104 100
78 43.3 29.5 54.7

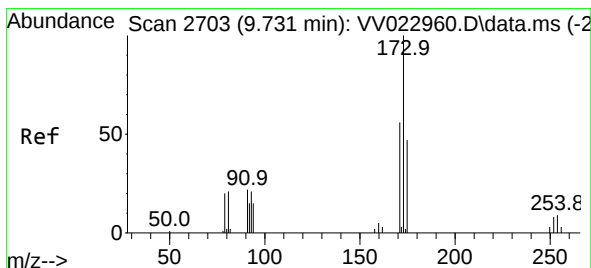
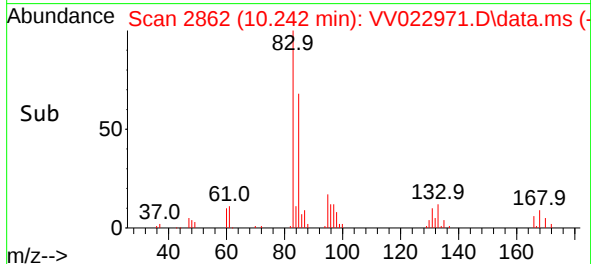
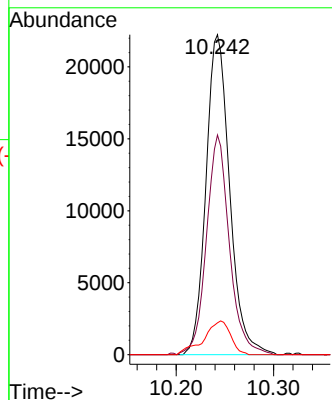
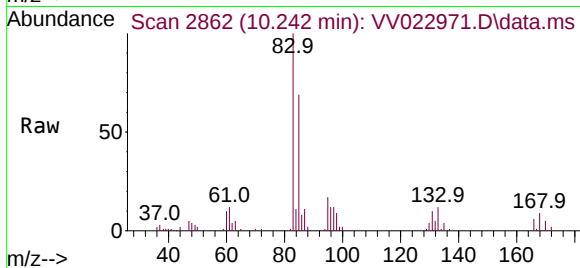




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.726 ug/L
 RT: 10.242 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV022971.D
 Acq: 21 Oct 2021 22:01

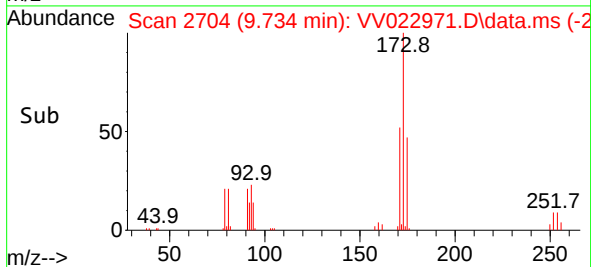
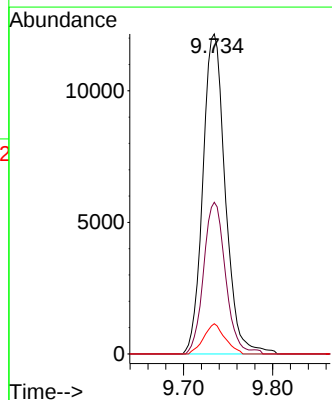
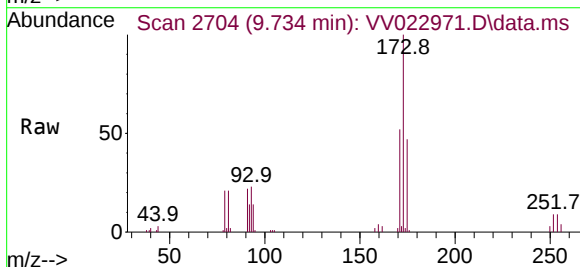
Instrument :
 MSVOA_V
 ClientSampleId :

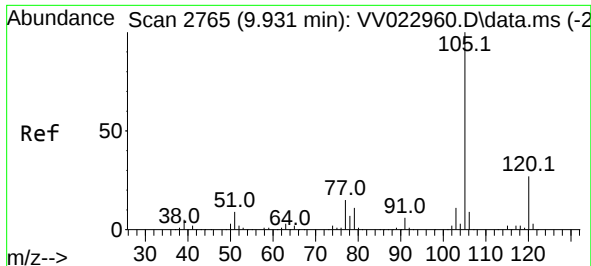
Tgt Ion: 83 Resp: 37494
 Ion Ratio Lower Upper
 83 100
 85 68.7 46.0 85.4
 131 10.0 8.4 12.6



#59
 Bromoform
 Concen: 5.402 ug/L
 RT: 9.734 min Scan# 2704
 Delta R.T. 0.003 min
 Lab File: VV022971.D
 Acq: 21 Oct 2021 22:01

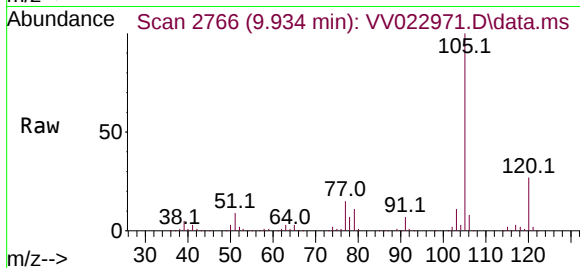
Tgt Ion: 173 Resp: 21261
 Ion Ratio Lower Upper
 173 100
 175 46.4 38.3 57.5
 254 8.9 7.1 10.7



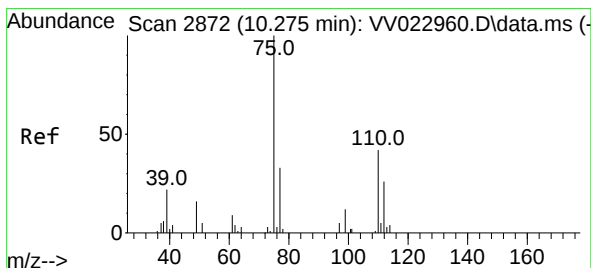
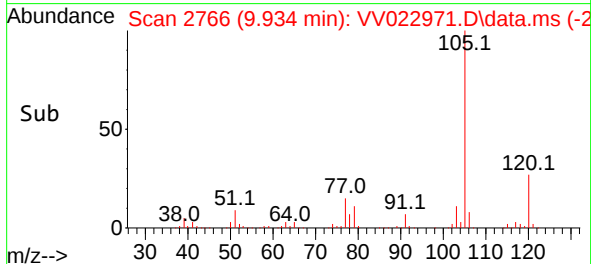
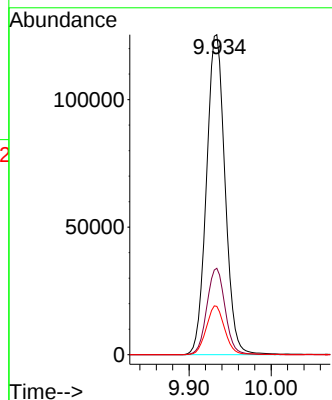


#60
Isopropylbenzene
Concen: 5.523 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

Instrument :
MSVOA_V
ClientSampleId :

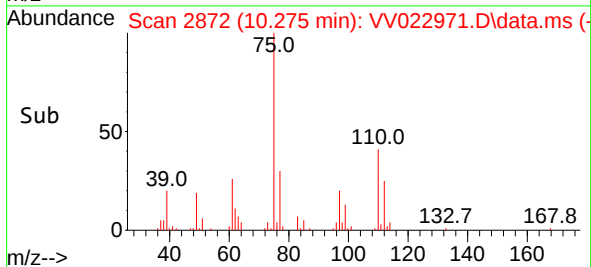
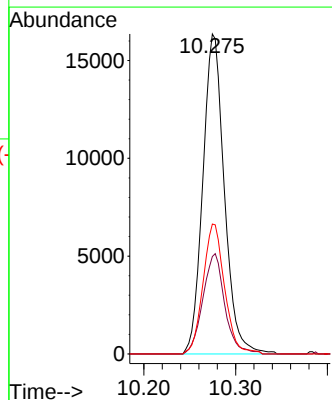
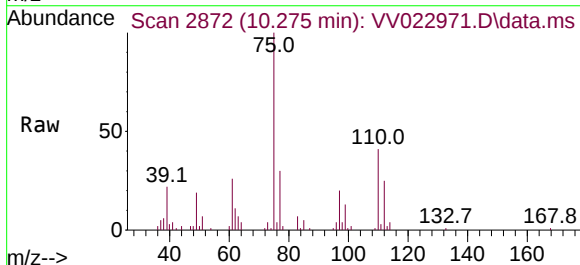


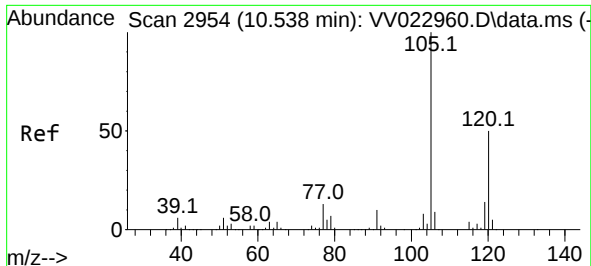
Tgt Ion:105 Resp: 197119
Ion Ratio Lower Upper
105 100
120 26.6 21.8 32.8
77 15.2 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.460 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

Tgt Ion: 75 Resp: 26656
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2
110 40.6 34.2 51.4





#62

1,3,5-Trimethylbenzene

Concen: 5.182 ug/L

RT: 10.541 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Instrument :

MSVOA_V

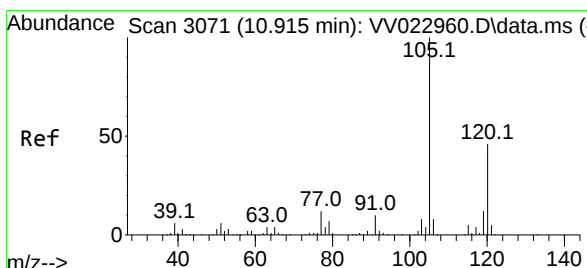
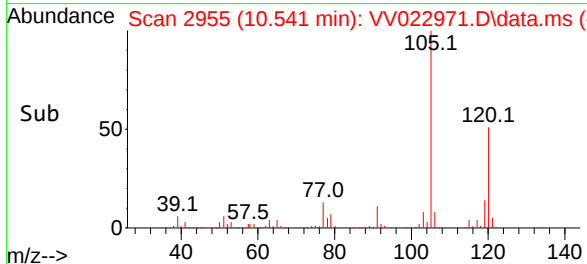
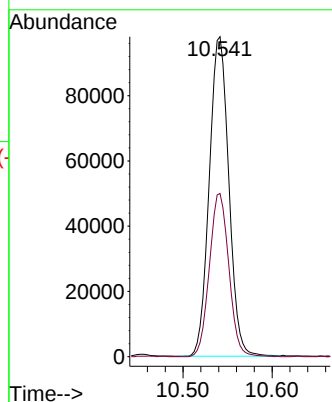
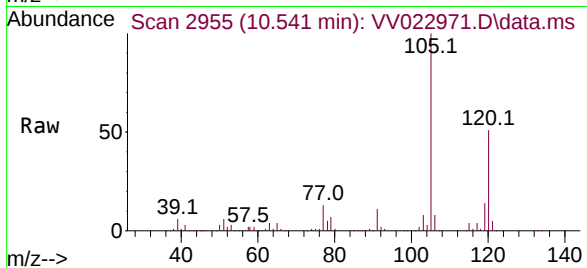
ClientSampleId :

Tgt Ion:105 Resp: 149417

Ion Ratio Lower Upper

105 100

120 50.8 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 5.448 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. -0.000 min

Lab File: VV022971.D

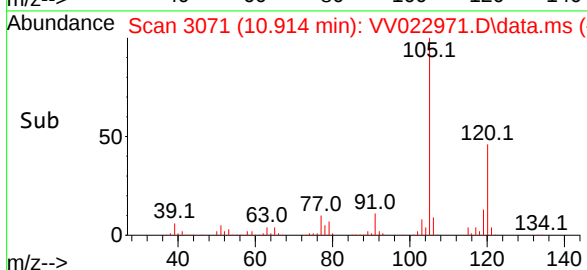
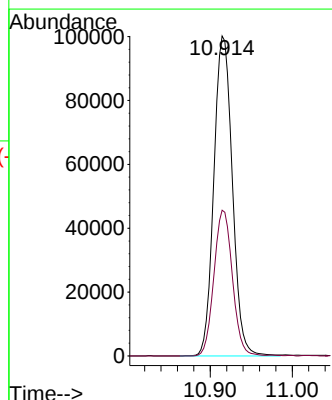
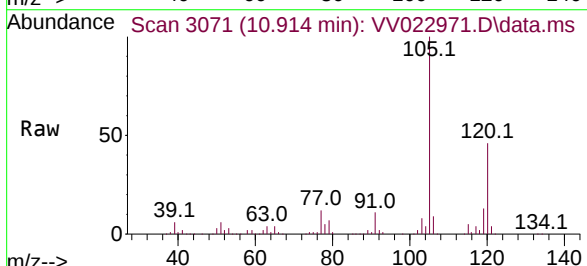
Acq: 21 Oct 2021 22:01

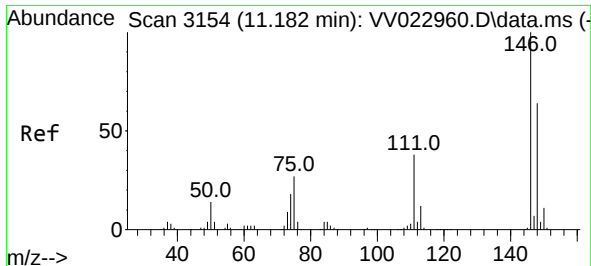
Tgt Ion:105 Resp: 157223

Ion Ratio Lower Upper

105 100

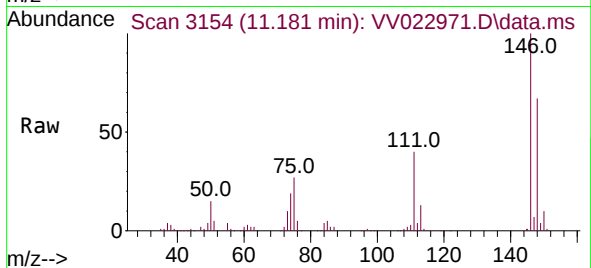
120 45.4 37.3 55.9



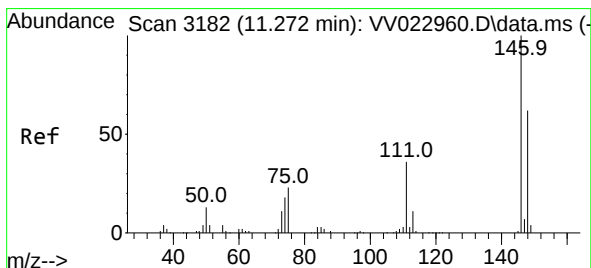
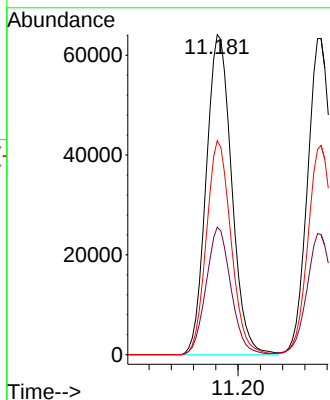
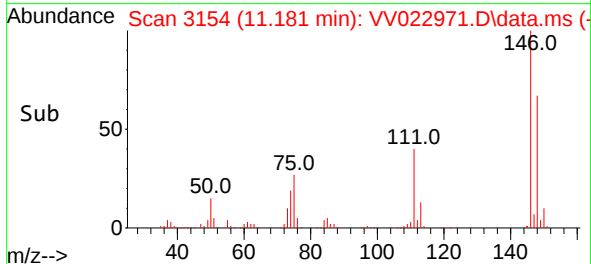


#64
1,3-Dichlorobenzene
Concen: 5.442 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

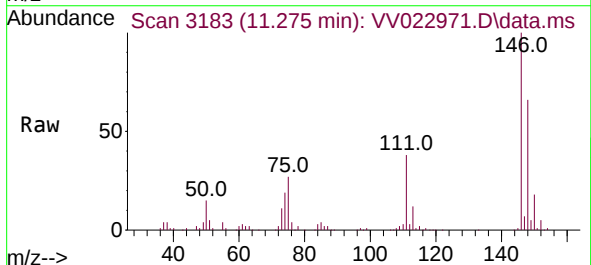
Instrument :
MSVOA_V
ClientSampleId :



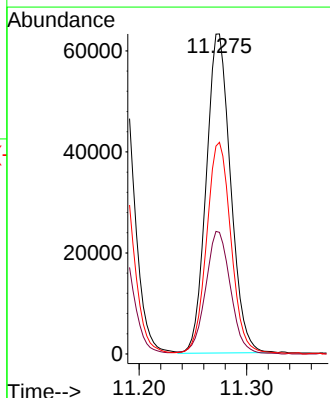
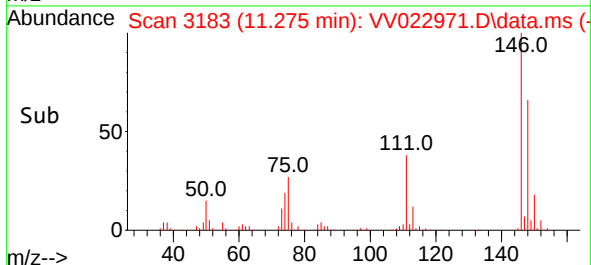
Tgt Ion:146 Resp: 101938
Ion Ratio Lower Upper
146 100
111 39.9 26.7 49.5
148 66.9 45.1 83.9

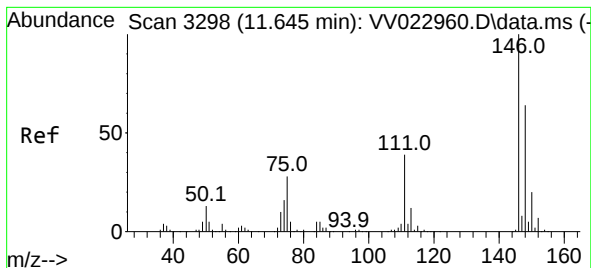


#65
1,4-Dichlorobenzene
Concen: 5.227 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01



Tgt Ion:146 Resp: 99408
Ion Ratio Lower Upper
146 100
111 38.0 25.6 47.4
148 66.2 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 5.342 ug/L

RT: 11.644 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

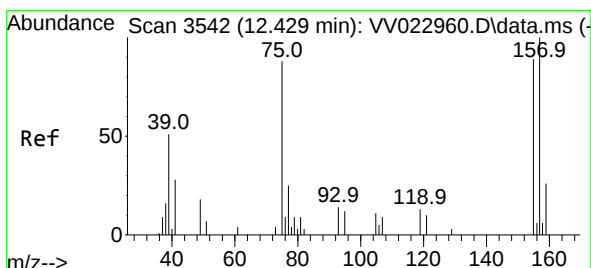
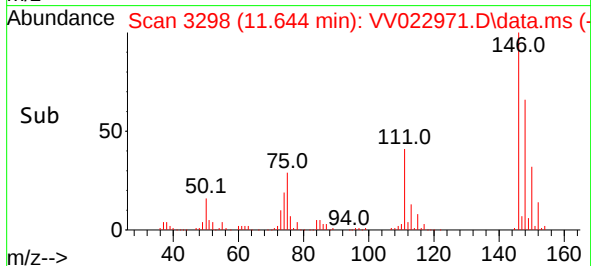
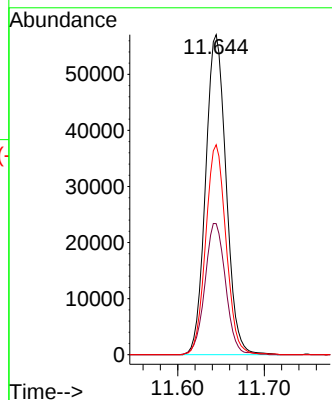
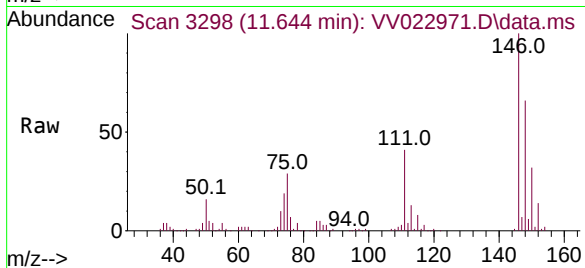
Tgt Ion:146 Resp: 93867

Ion Ratio Lower Upper

146 100

111 41.0 32.3 48.5

148 65.6 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 5.995 ug/L

RT: 12.429 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VV022971.D

Acq: 21 Oct 2021 22:01

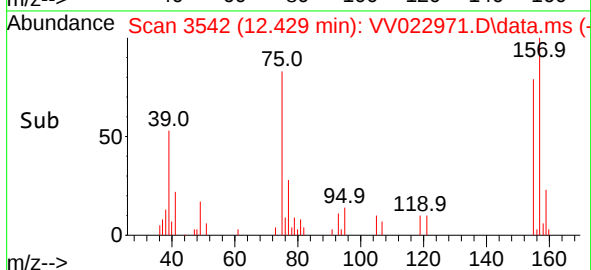
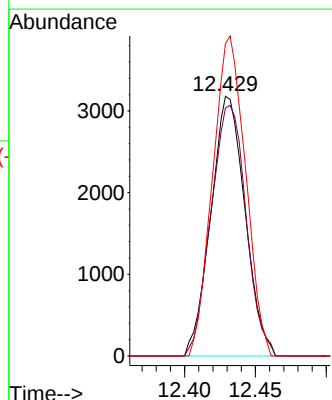
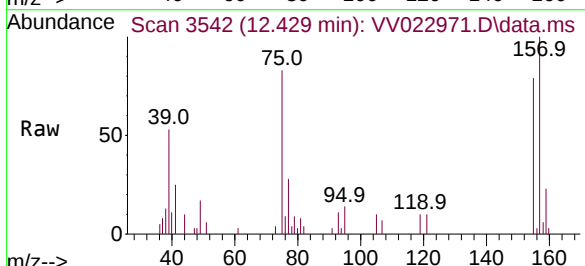
Tgt Ion: 75 Resp: 5327

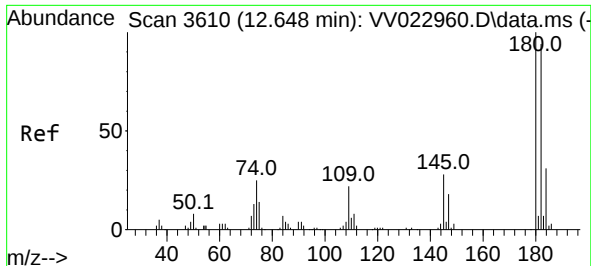
Ion Ratio Lower Upper

75 100

155 95.6 82.4 123.6

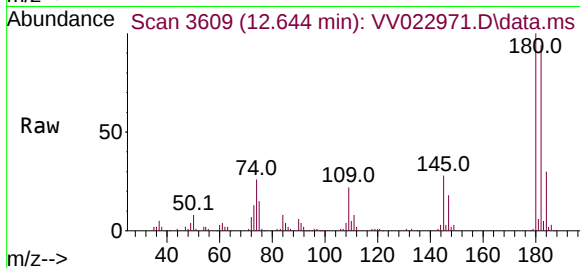
157 120.3 114.1 171.1



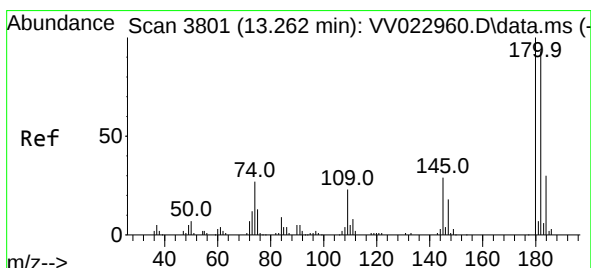
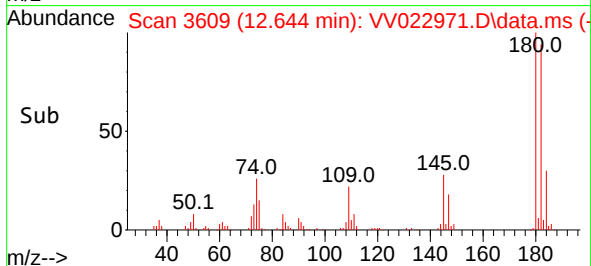
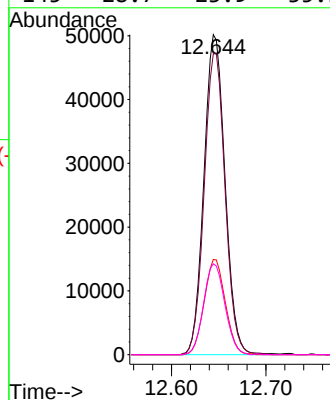


#69
 1,3,5-Trichlorobenzene
 Concen: 5.514 ug/L
 RT: 12.644 min Scan# 3610
 Delta R.T. -0.003 min
 Lab File: VV022971.D
 Acq: 21 Oct 2021 22:01

Instrument :
 MSVOA_V
 ClientSampleId :

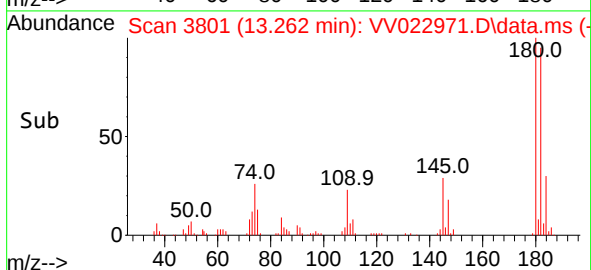
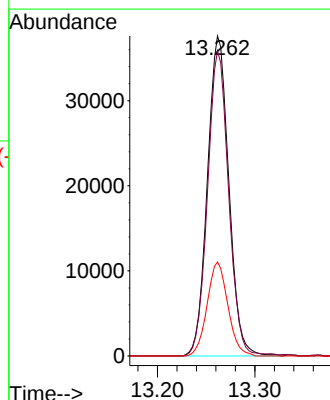
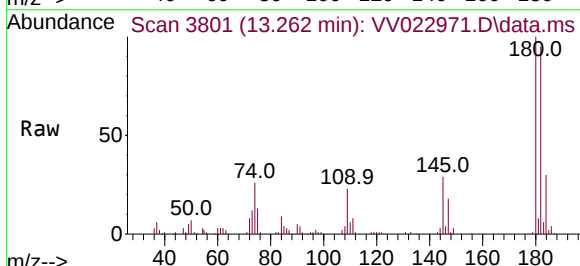


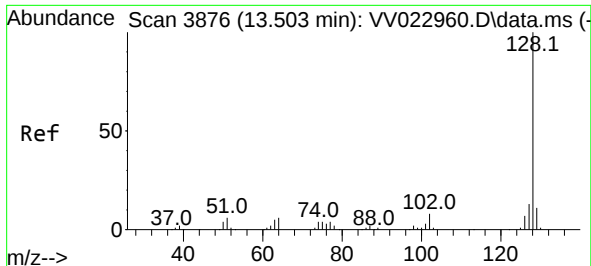
Tgt Ion:180 Resp: 77802
 Ion Ratio Lower Upper
 180 100
 182 93.4 77.0 115.6
 184 29.8 24.5 36.7
 145 28.7 23.9 35.9



#70
 1,2,4-trichlorobenzene
 Concen: 5.318 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. -0.000 min
 Lab File: VV022971.D
 Acq: 21 Oct 2021 22:01

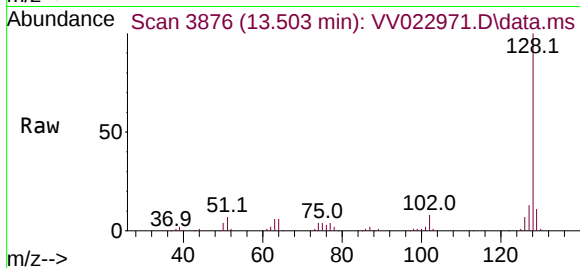
Tgt Ion:180 Resp: 57326
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.0 114.0
 145 28.5 24.1 36.1



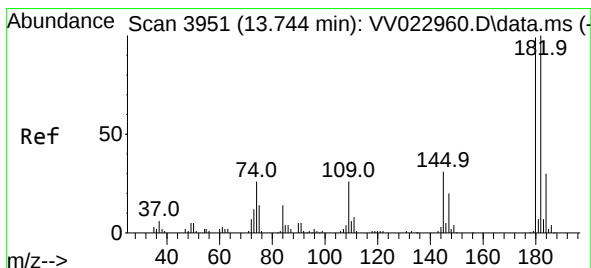
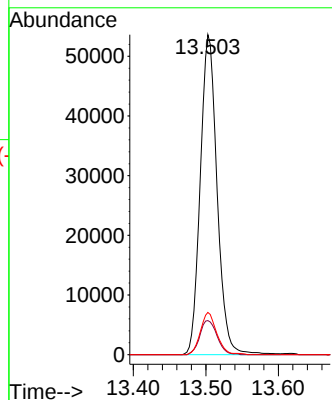
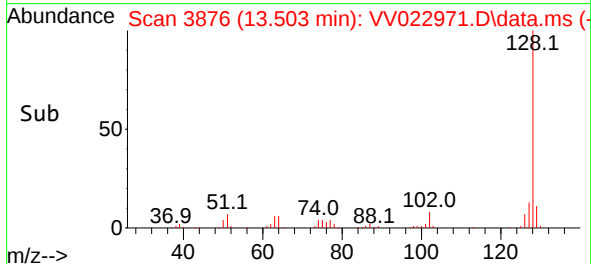


#71
Naphthalene
Concen: 5.043 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01

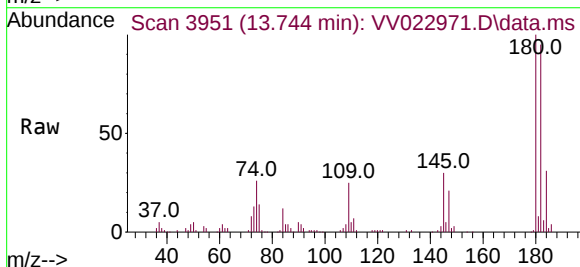
Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 86402
Ion Ratio Lower Upper
128 100
129 11.0 9.3 13.9
127 12.8 10.8 16.2



#72
1,2,3-Trichlorobenzene
Concen: 5.274 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. -0.000 min
Lab File: VV022971.D
Acq: 21 Oct 2021 22:01



Tgt Ion:180 Resp: 53600
Ion Ratio Lower Upper
180 100
182 93.8 75.5 113.3
145 30.9 24.7 37.1

