

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW113021\
 Data File : VW023750.D
 Acq On : 30 Nov 2021 17:30
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 01 01:22:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 01 01:21:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	136631	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	133545	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	75243	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	46936	4.185	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.571	69	36611	4.153	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.000%
11) 1,1-Dichloroethene-d2	2.111	63	88259	4.465	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.200%
20) 2-Butanone-d5	3.899	46	85935	63.732	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.460%
24) Chloroform-d	4.352	84	92857	4.754	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.034	65	43201	4.735	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.050	84	174796	4.805	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.069	67	49496	4.853	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.317	98	174264	5.127	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
43) trans-1,3-Dichloroprop...	7.622	79	19644	4.778	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.600%
46) 2-Hexanone-d5	8.088	63	74458	54.514	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.020%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	35399	4.823	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	65287	4.908	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	60965	4.703	ug/L	98
3) Chloromethane	1.243	50	55500	4.925	ug/L	99
5) Vinyl chloride	1.314	62	58461	4.940	ug/L	98
6) Bromomethane	1.526	94	38353	5.715	ug/L	98
8) Chloroethane	1.587	64	35931	4.791	ug/L	94
9) Trichlorofluoromethane	1.754	101	95003	4.926	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	49566	5.129	ug/L	98
12) 1,1-Dichloroethene	2.121	96	47064	5.141	ug/L	95
13) Acetone	2.188	43	71732	59.121	ug/L	74
14) Carbon disulfide	2.298	76	138707	4.508	ug/L	100
15) Methyl Acetate	2.439	43	15059	5.468	ug/L	99
16) Methylene chloride	2.510	84	51908	3.974	ug/L	96
17) Methyl tert-butyl Ether	2.767	73	98653	5.259	ug/L	99
18) trans-1,2-Dichloroethene	2.764	96	50693	4.862	ug/L	98
19) 1,1-Dichloroethane	3.191	63	88041	5.022	ug/L	98
21) 2-Butanone	3.979	43	95424	62.137	ug/L	92
22) cis-1,2-Dichloroethene	3.915	96	51751	5.175	ug/L	98
23) Bromochloromethane	4.256	128	23923	5.098	ug/L	89
25) Chloroform	4.378	83	96420	4.937	ug/L	99

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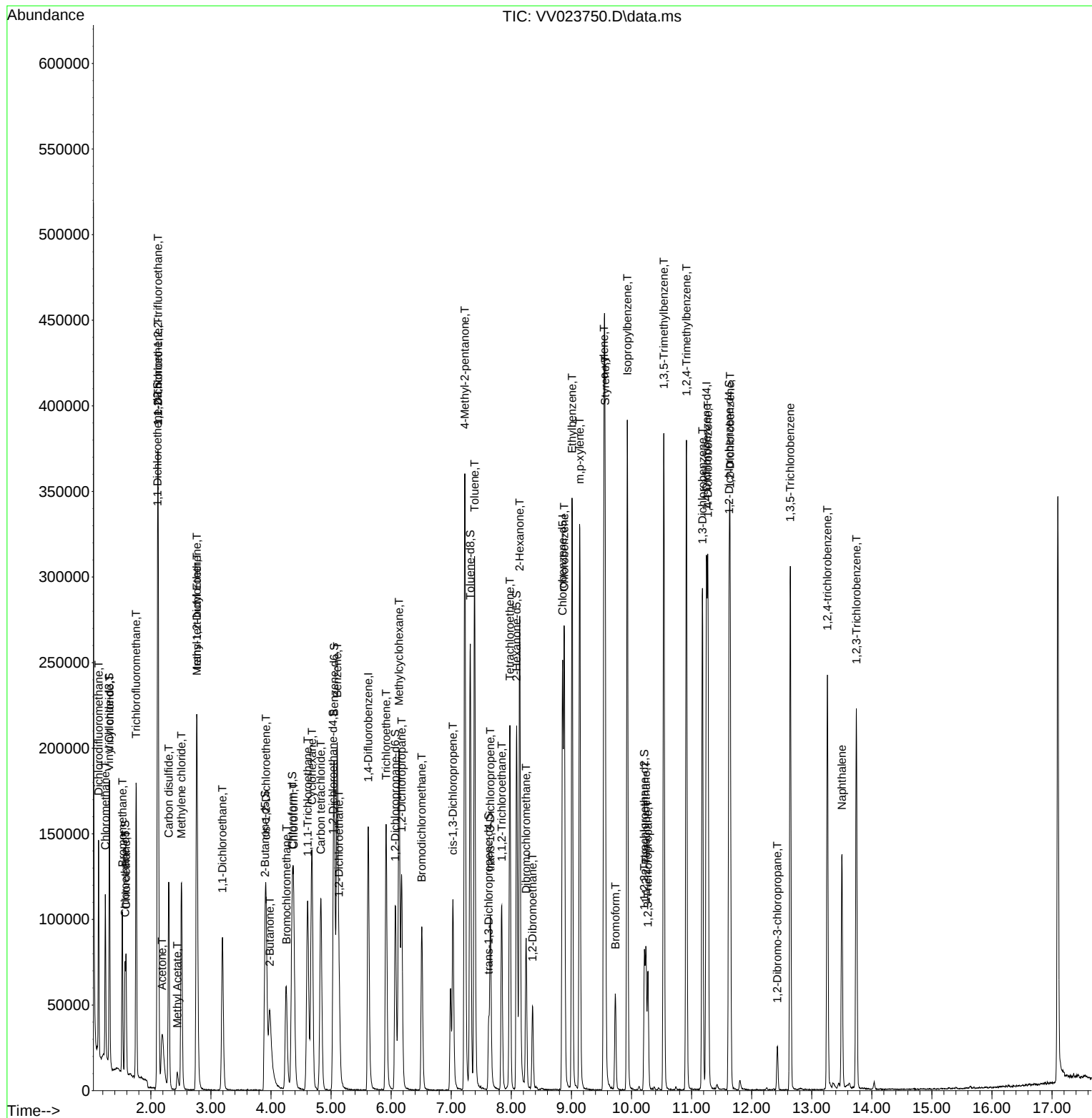
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	52965	5.101	ug/L	99
29) 1,1,1-Trichloroethane	4.609	97	91432	5.239	ug/L	98
30) Cyclohexane	4.680	56	74266	5.099	ug/L	98
31) Carbon tetrachloride	4.831	117	83298	5.211	ug/L	99
33) Benzene	5.101	78	200931	5.278	ug/L	100
34) Trichloroethene	5.915	95	53077	5.204	ug/L	98
35) Methylcyclohexane	6.130	83	83248	5.236	ug/L	98
37) 1,2-Dichloropropane	6.175	63	46607	5.150	ug/L	99
38) Bromodichloromethane	6.510	83	64042	5.214	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	68584	5.325	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	228137	52.808	ug/L	98
42) Toluene	7.387	91	224455	5.436	ug/L	98
44) trans-1,3-Dichloropropene	7.651	75	58267	5.383	ug/L	100
45) 1,1,2-Trichloroethane	7.841	97	34227	5.462	ug/L	97
47) Tetrachloroethene	7.976	164	48771	5.254	ug/L	99
48) 2-Hexanone	8.140	43	166845	52.253	ug/L	98
49) Dibromochloromethane	8.246	129	44519	5.184	ug/L	99
50) 1,2-Dibromoethane	8.352	107	30853	5.049	ug/L	96
51) Chlorobenzene	8.883	112	143633	5.247	ug/L	99
52) Ethylbenzene	9.011	91	234710	5.438	ug/L	100
53) m,p-xylene	9.140	106	95998	5.589	ug/L	99
54) o-xylene	9.542	106	90094	5.515	ug/L	99
55) Styrene	9.561	104	156783	5.696	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.243	83	36230	5.196	ug/L	99
59) Bromoform	9.731	173	25186	5.068	ug/L	99
60) Isopropylbenzene	9.931	105	240663	5.357	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	26595	4.984	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	201769	5.397	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	204670	5.536	ug/L	100
64) 1,3-Dichlorobenzene	11.182	146	122143	5.317	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	119632	5.182	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	109345	5.201	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.426	75	5881	5.550	ug/L	95
69) 1,3,5-Trichlorobenzene	12.644	180	96407	5.376	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	73245	5.263	ug/L	97
71) Naphthalene	13.503	128	107768	5.755	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	66338	5.502	ug/L	99

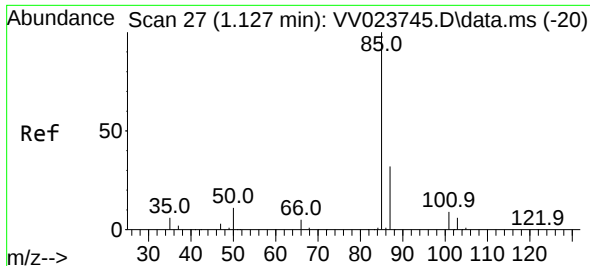
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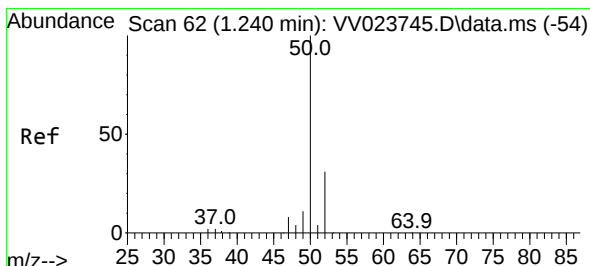
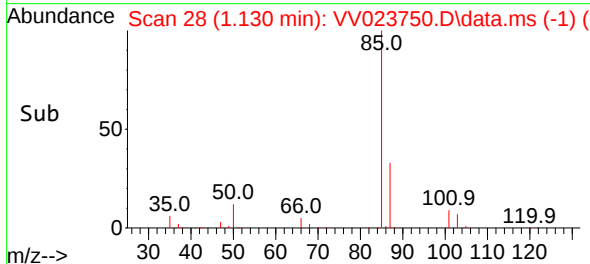
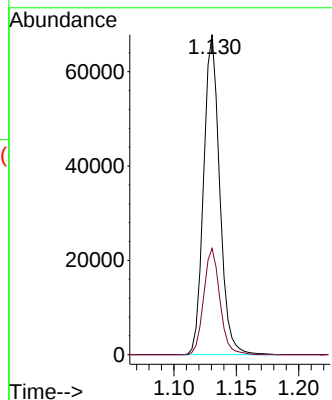
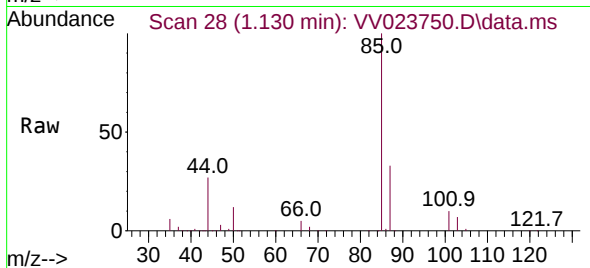




#2
 Dichlorodifluoromethane
 Concen: 4.703 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV023750.D
 Acq: 30 Nov 2021 17:30

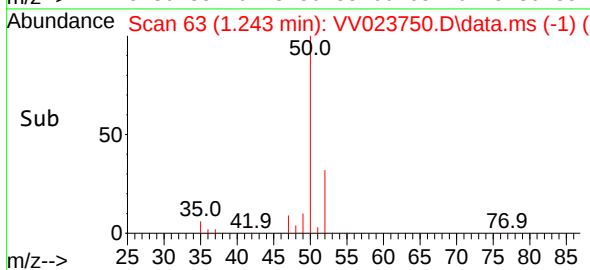
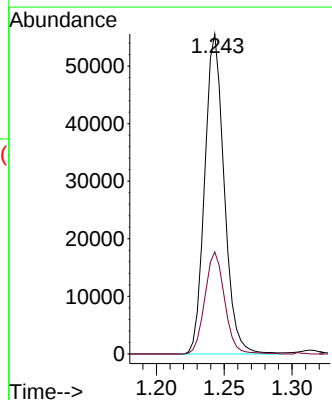
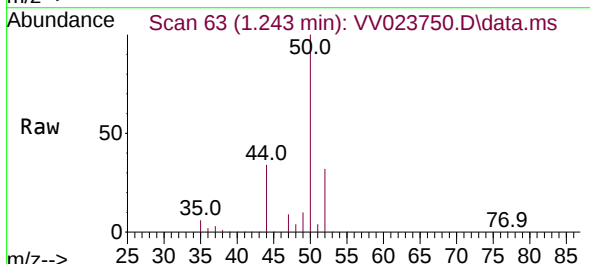
Instrument :
 MSVOA_V
 ClientSampleId :

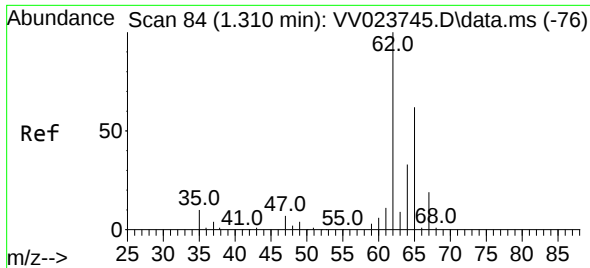
Tgt Ion: 85 Resp: 60965
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.0 39.0



#3
 Chloromethane
 Concen: 4.925 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV023750.D
 Acq: 30 Nov 2021 17:30

Tgt Ion: 50 Resp: 55500
 Ion Ratio Lower Upper
 50 100
 52 31.9 22.0 41.0

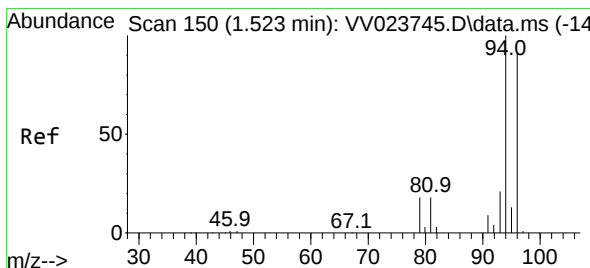
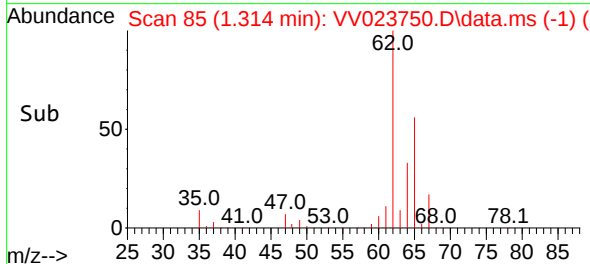
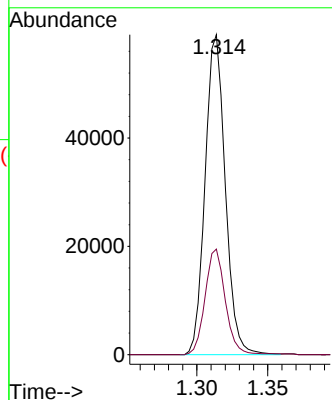
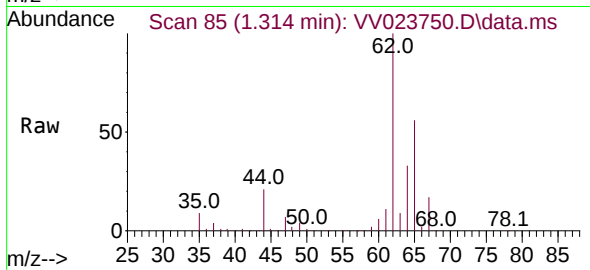




#5
 Vinyl chloride
 Concen: 4.940 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023750.D
 Acq: 30 Nov 2021 17:30

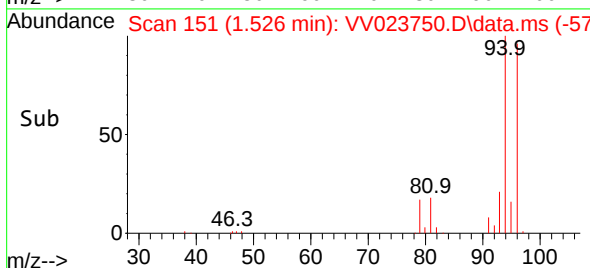
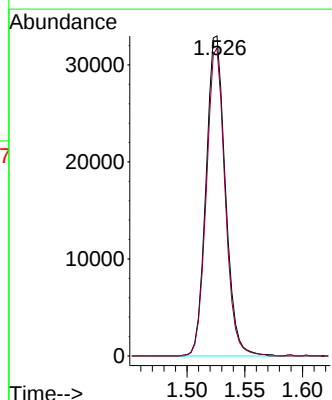
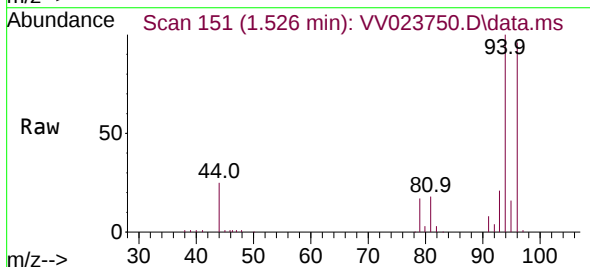
Instrument :
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 ClientSampleId :

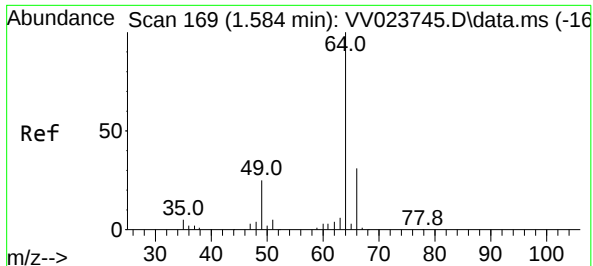
Tgt Ion: 62 Resp: 58461
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.4 41.6



#6
 Bromomethane
 Concen: 5.715 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV023750.D
 Acq: 30 Nov 2021 17:30

Tgt Ion: 94 Resp: 38353
 Ion Ratio Lower Upper
 94 100
 96 96.2 66.2 123.0

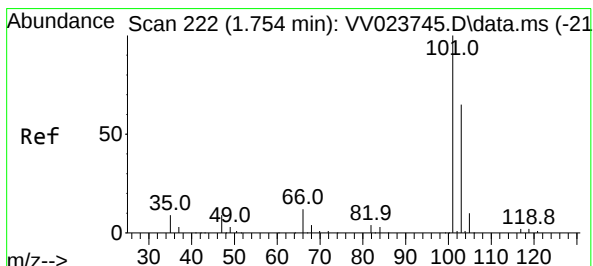
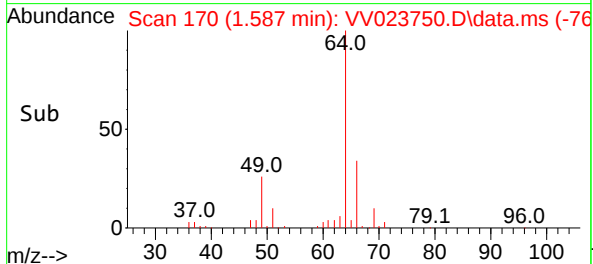
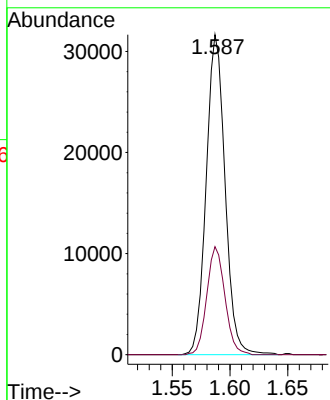
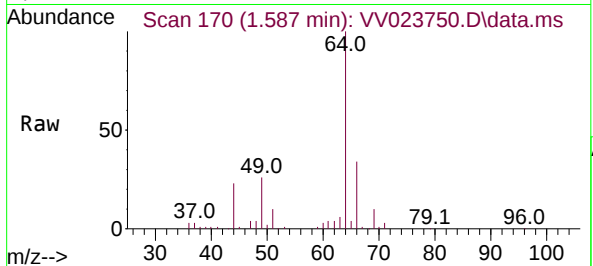




#8
Chloroethane
Concen: 4.791 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

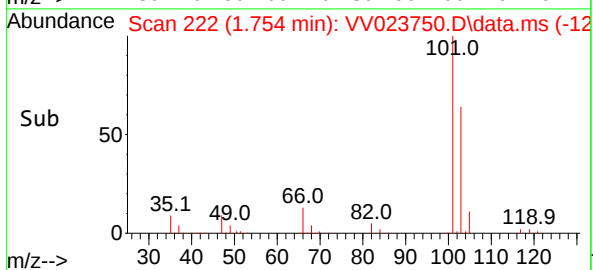
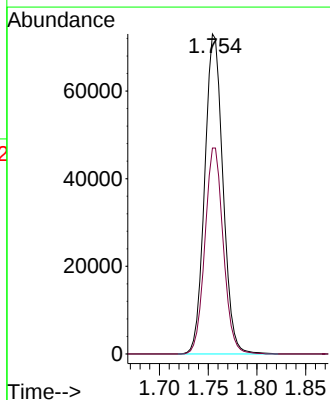
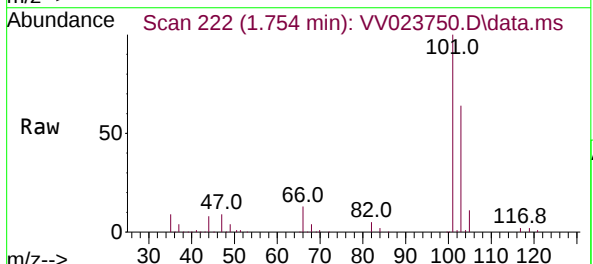
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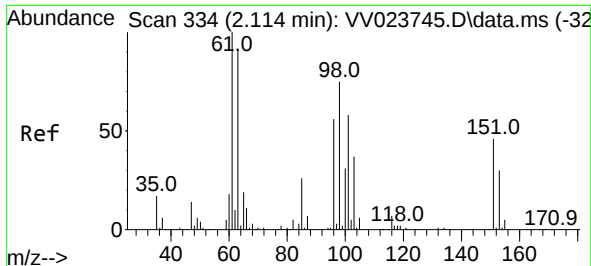
Tgt Ion: 64 Resp: 35931
Ion Ratio Lower Upper
64 100
66 33.8 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.926 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

Tgt Ion:101 Resp: 95003
Ion Ratio Lower Upper
101 100
103 64.8 51.6 77.4

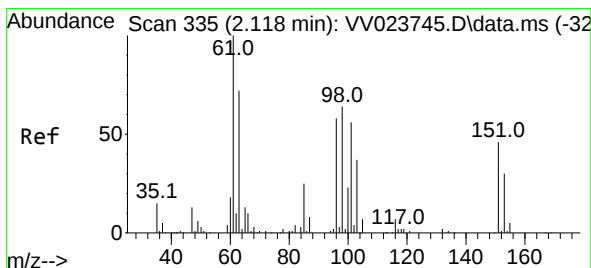
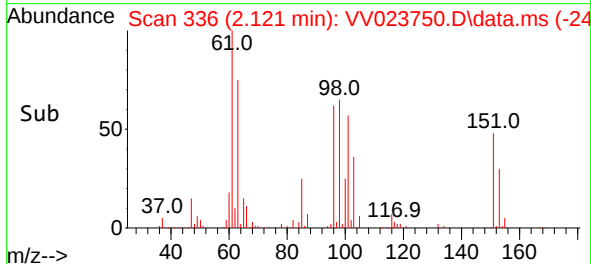
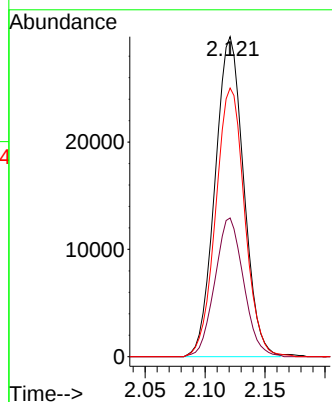
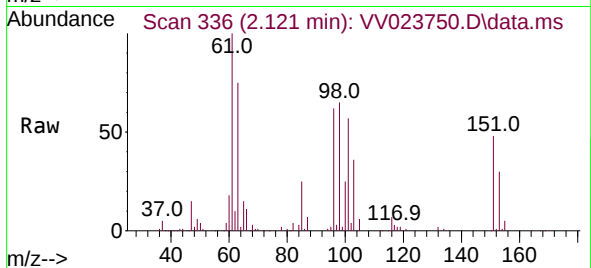




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.129 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.006 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

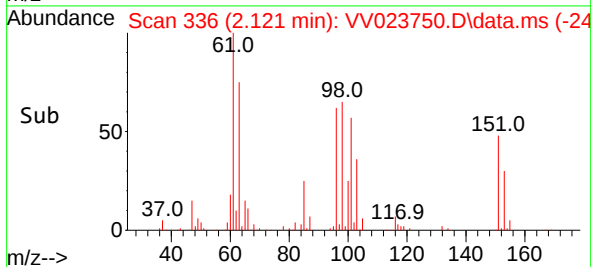
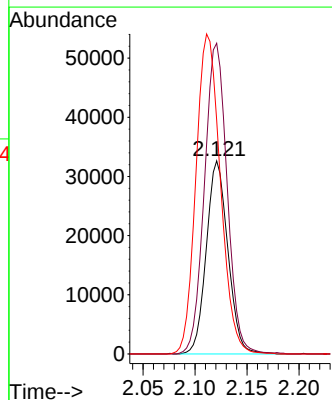
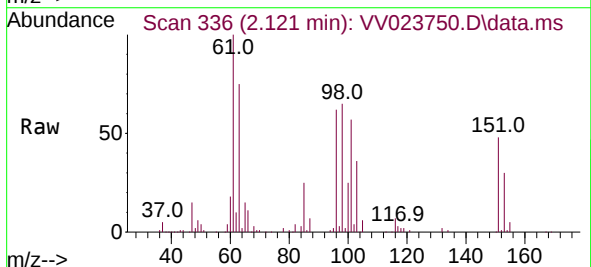
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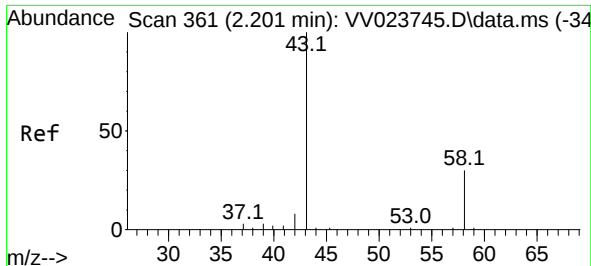
Tgt Ion:101 Resp: 49566
Ion Ratio Lower Upper
101 100
85 43.4 36.0 54.0
151 84.9 66.4 99.6



#12
1,1-Dichloroethene
Concen: 5.141 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

Tgt Ion: 96 Resp: 47064
Ion Ratio Lower Upper
96 100
61 160.9 116.1 215.5
63 121.0 79.4 147.4





#13

Acetone

Concen: 59.121 ug/L

RT: 2.188 min Scan# 31

Delta R.T. -0.013 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Instrument :

MSVOA_V

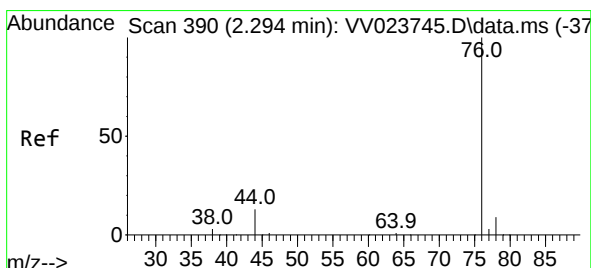
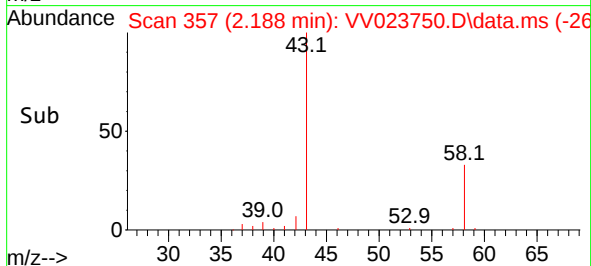
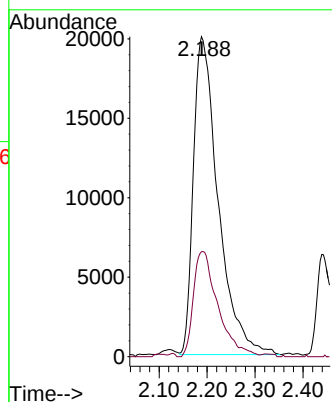
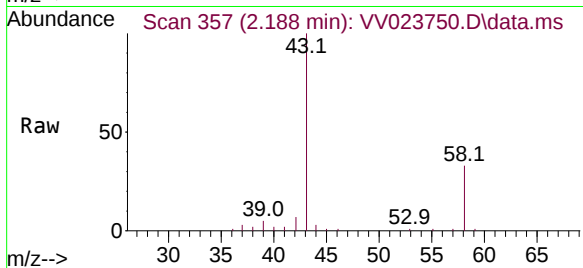
ClientSampleId :

Tgt Ion: 43 Resp: 71732

Ion Ratio Lower Upper

43 100

58 32.7 0.0 41.4



#14

Carbon disulfide

Concen: 4.508 ug/L

RT: 2.298 min Scan# 391

Delta R.T. 0.003 min

Lab File: VV023750.D

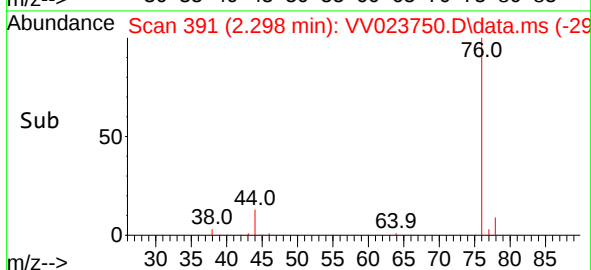
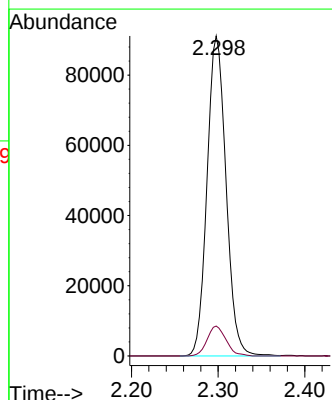
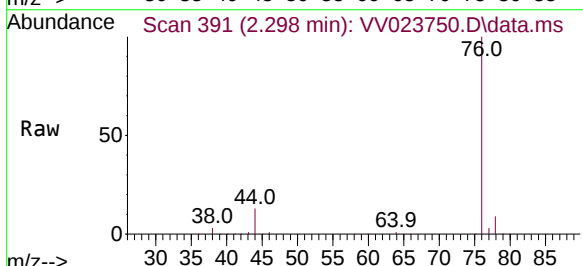
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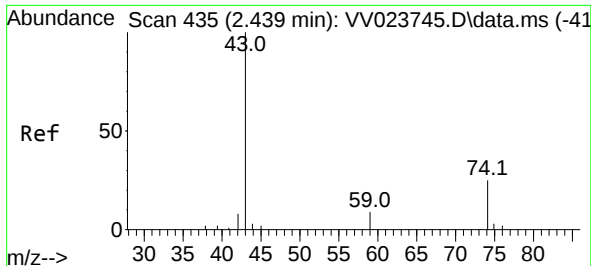
Tgt Ion: 76 Resp: 138707

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

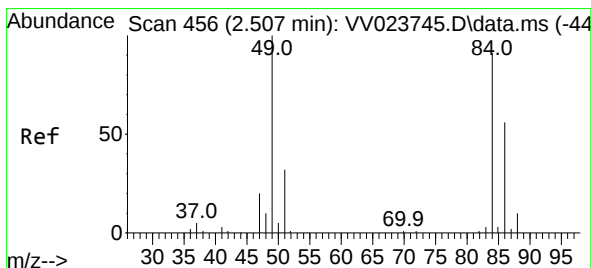
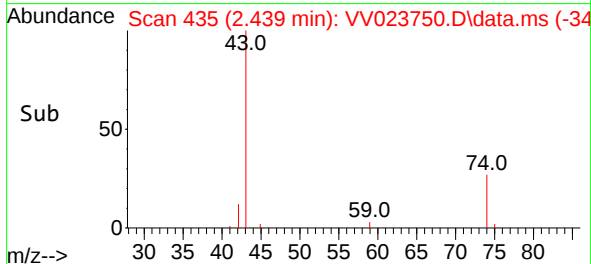
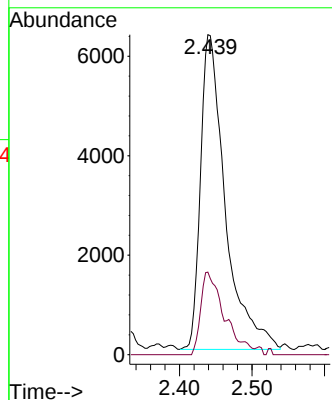
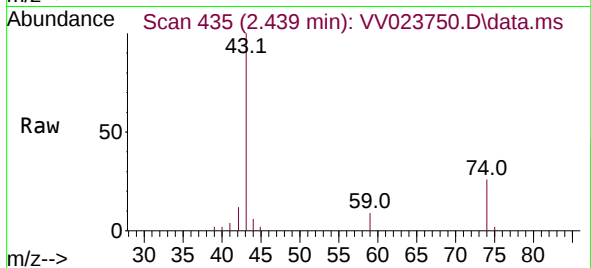




#15
Methyl Acetate
Concen: 5.468 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

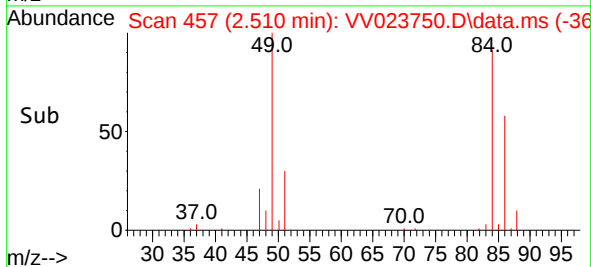
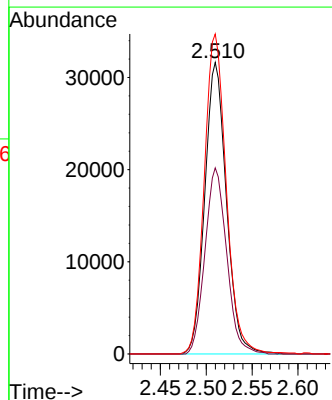
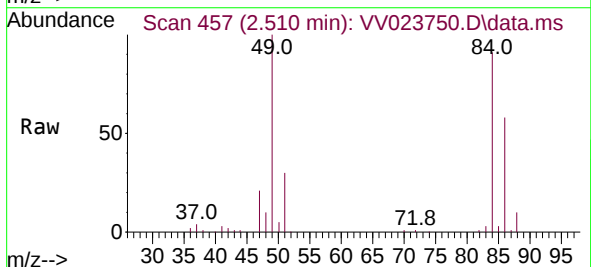
Instrument :
MSVOA_V
ClientSampleId :

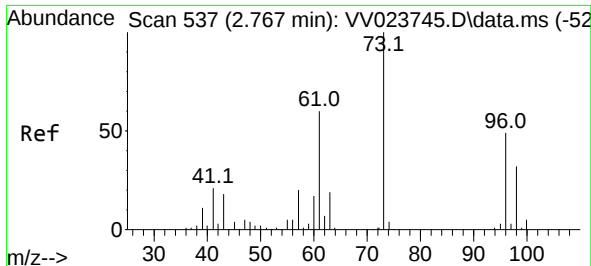
Tgt Ion: 43 Resp: 15059
Ion Ratio Lower Upper
43 100
74 24.9 20.2 30.2



#16
Methylene chloride
Concen: 3.974 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

Tgt Ion: 84 Resp: 51908
Ion Ratio Lower Upper
84 100
86 63.8 42.6 79.0
49 109.8 79.7 147.9

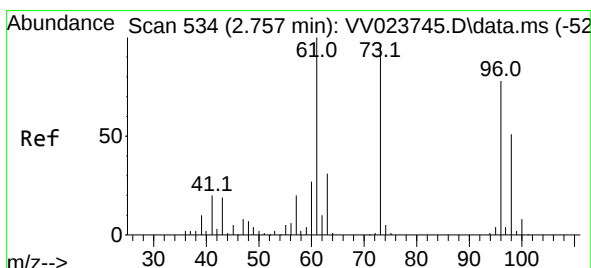
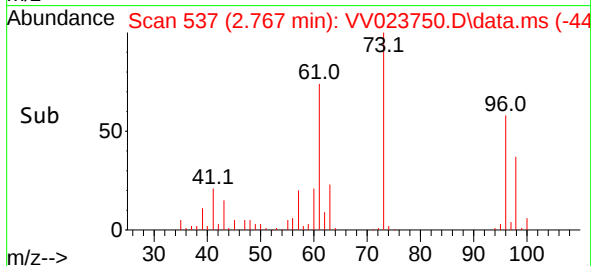
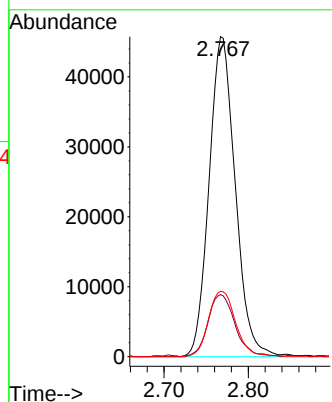
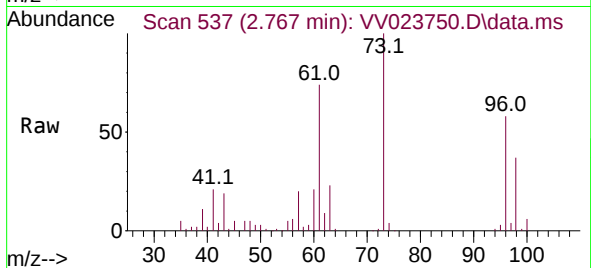




#17
Methyl tert-butyl Ether
Concen: 5.259 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

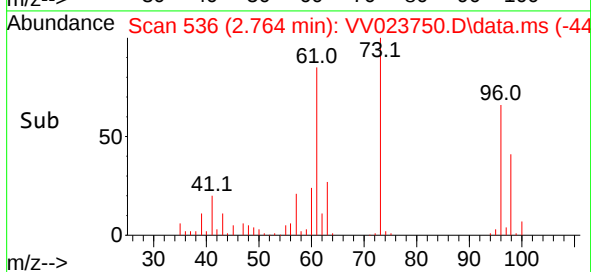
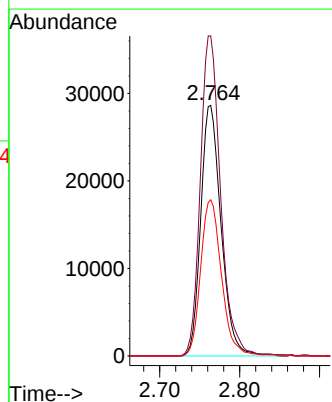
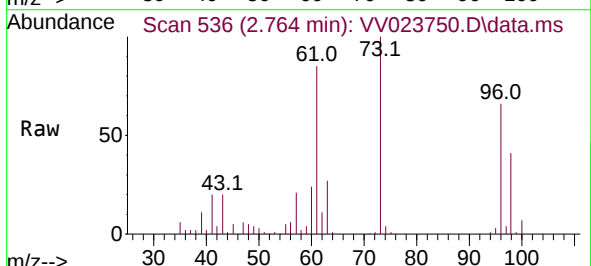
Instrument :
MSVOA_V
ClientSampleId :

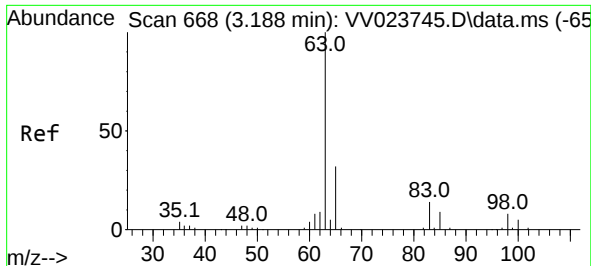
Tgt Ion: 73 Resp: 98653
Ion Ratio Lower Upper
73 100
43 20.2 15.5 23.3
57 21.3 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.862 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

Tgt Ion: 96 Resp: 50693
Ion Ratio Lower Upper
96 100
61 127.7 88.2 163.8
98 62.3 44.9 83.5

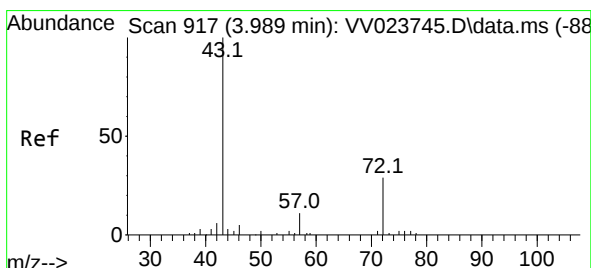
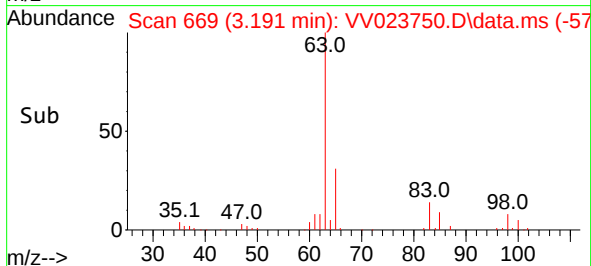
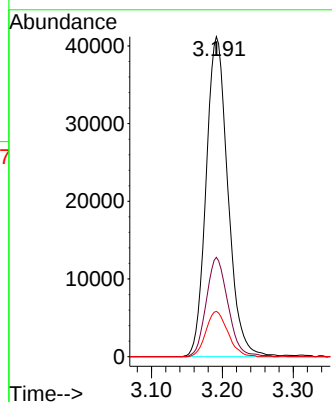
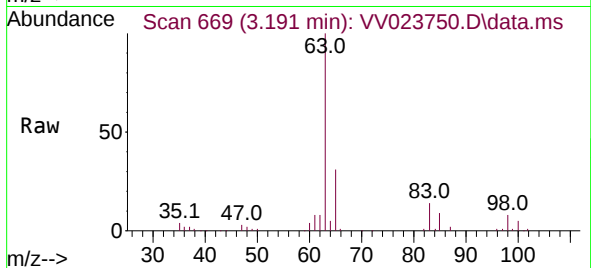




#19
1,1-Dichloroethane
Concen: 5.022 ug/L
RT: 3.191 min Scan# 60
Delta R.T. 0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

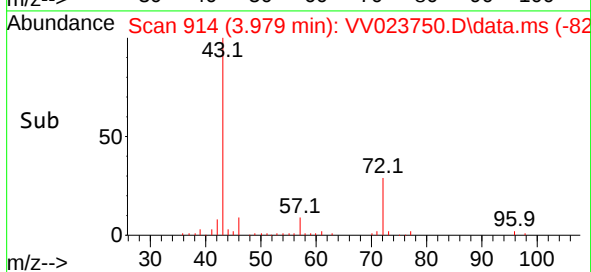
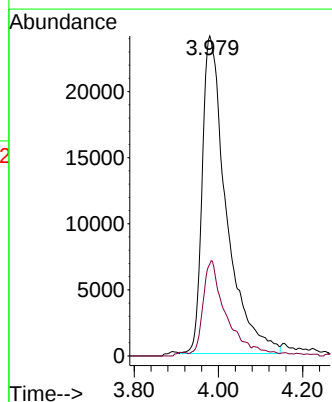
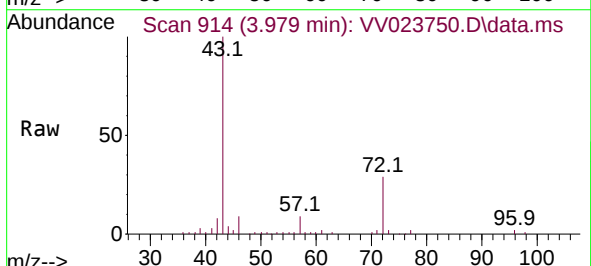
Instrument :
MSVOA_V
ClientSampleId :

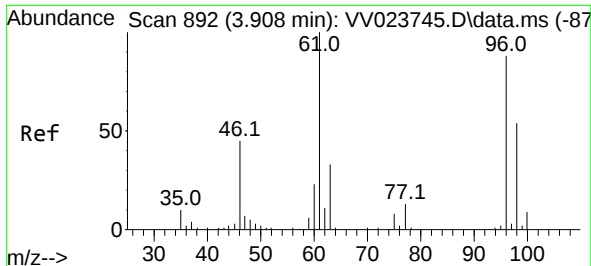
Tgt Ion: 63 Resp: 88041
Ion Ratio Lower Upper
63 100
65 31.1 22.3 41.3
83 14.1 10.7 19.9



#21
2-Butanone
Concen: 62.137 ug/L
RT: 3.979 min Scan# 914
Delta R.T. -0.010 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

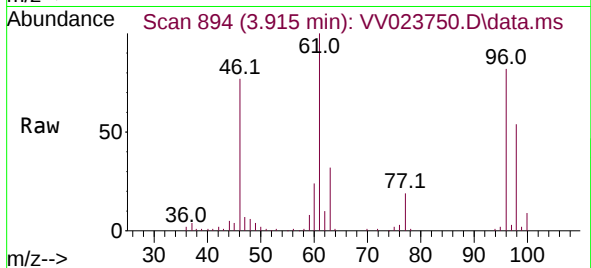
Tgt Ion: 43 Resp: 95424
Ion Ratio Lower Upper
43 100
72 26.1 11.1 33.1



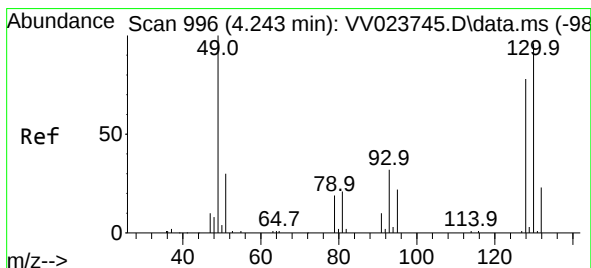
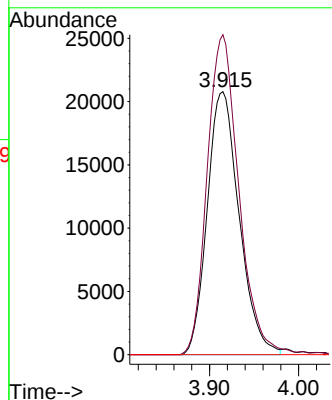
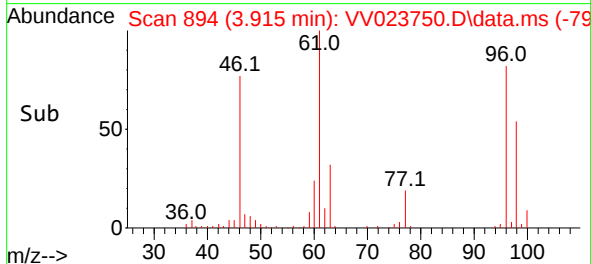


#22
 cis-1,2-Dichloroethene
 Concen: 5.175 ug/L
 RT: 3.915 min Scan# 89
 Delta R.T. 0.006 min
 Lab File: VV023750.D
 Acq: 30 Nov 2021 17:30

Instrument :
 MSVOA_V
 ClientSampleId :

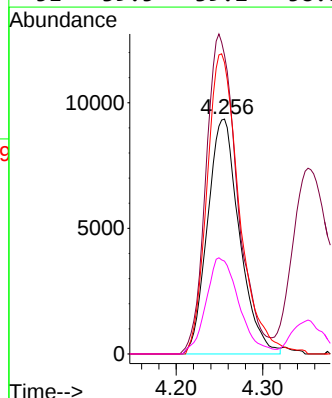
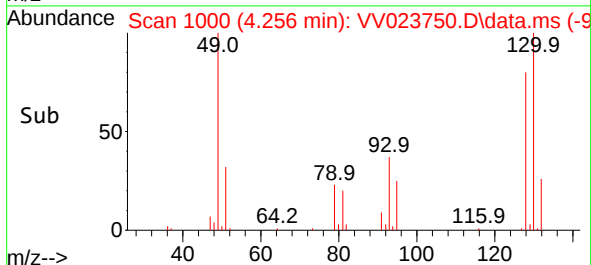
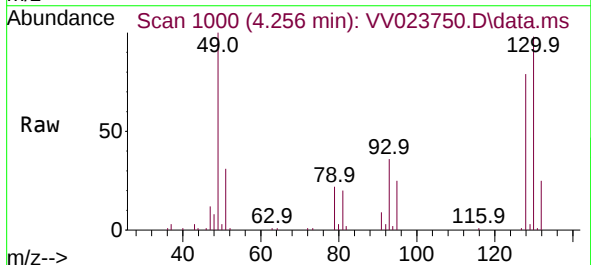


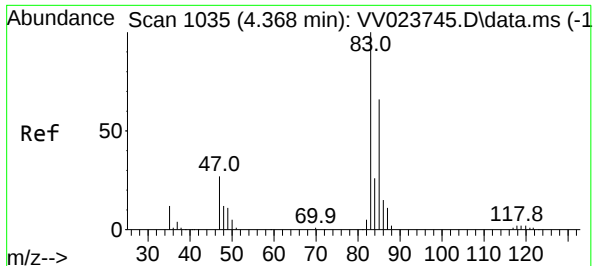
Tgt Ion: 96 Resp: 51751
 Ion Ratio Lower Upper
 96 100
 61 121.7 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.098 ug/L
 RT: 4.256 min Scan# 1000
 Delta R.T. 0.013 min
 Lab File: VV023750.D
 Acq: 30 Nov 2021 17:30

Tgt Ion: 128 Resp: 23923
 Ion Ratio Lower Upper
 128 100
 49 127.1 100.2 186.2
 130 124.0 92.5 171.7
 51 39.5 39.2 58.8





#25

Chloroform

Concen: 4.937 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.010 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Instrument :

MSVOA_V

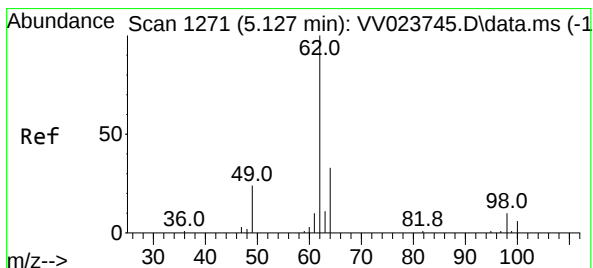
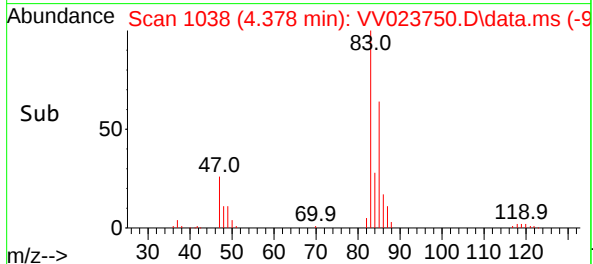
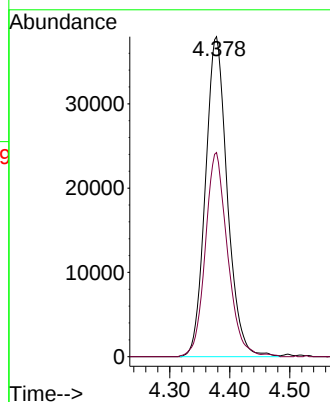
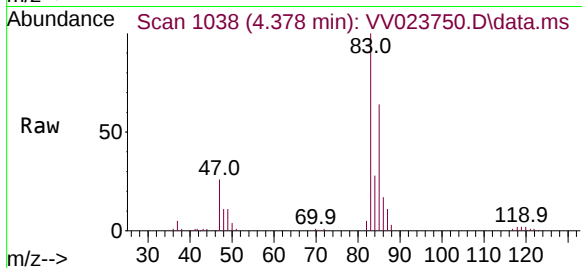
ClientSampleId :

Tgt Ion: 83 Resp: 96420

Ion Ratio Lower Upper

83 100

85 63.8 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.101 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VV023750.D

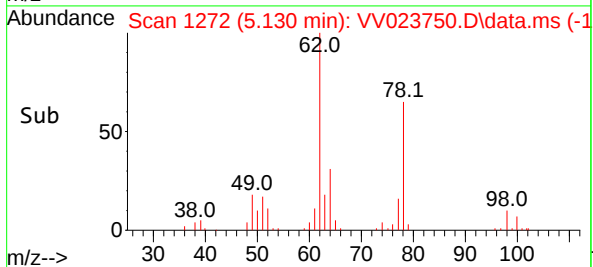
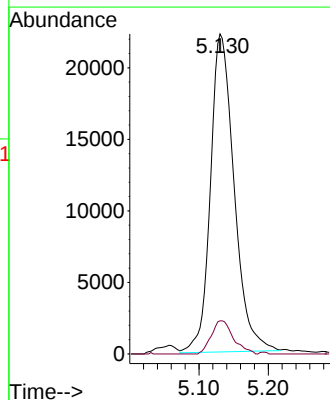
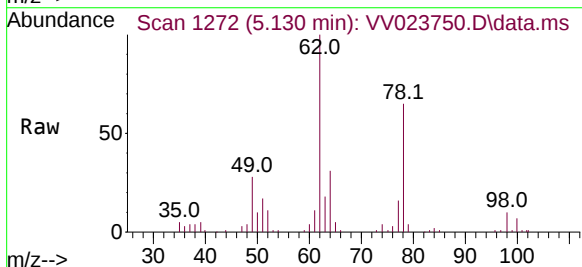
Acq: 30 Nov 2021 17:30

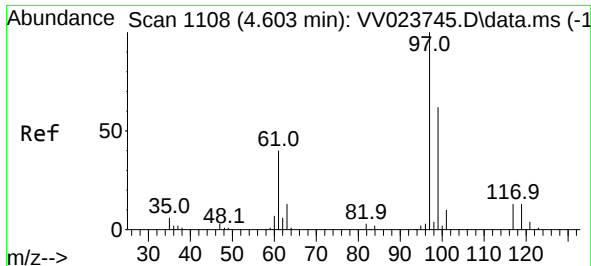
Tgt Ion: 62 Resp: 52965

Ion Ratio Lower Upper

62 100

98 10.3 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.239 ug/L

RT: 4.609 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VV023750.D

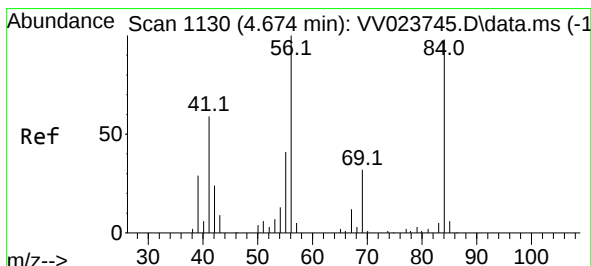
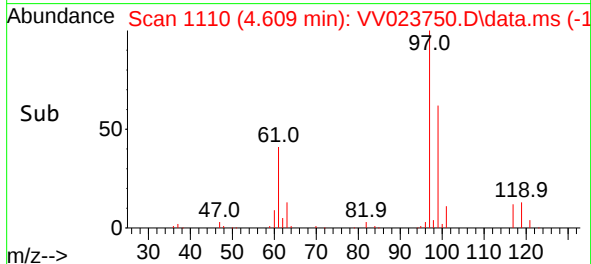
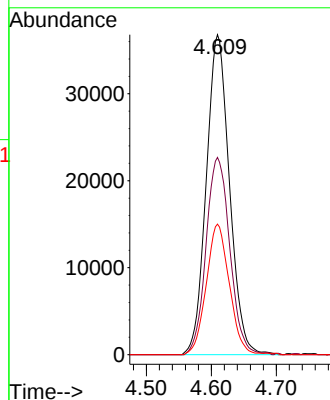
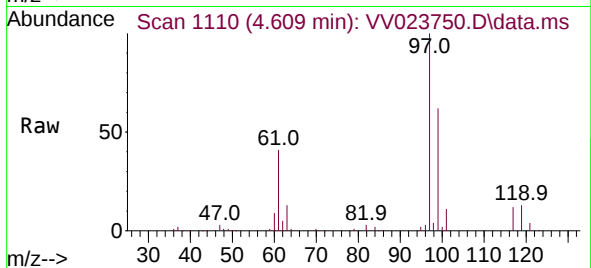
Acq: 30 Nov 2021 17:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	97	Resp:	91432
Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.9	77.9
61	40.5	33.2	49.8



#30

Cyclohexane

Concen: 5.099 ug/L

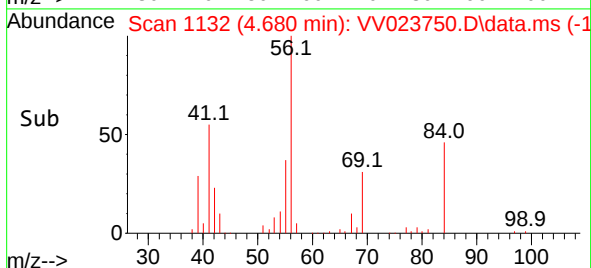
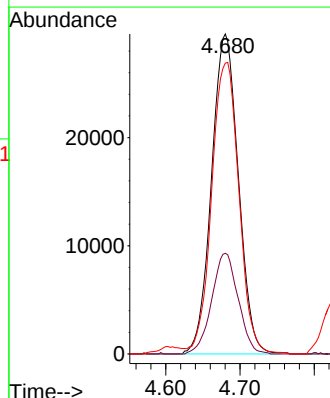
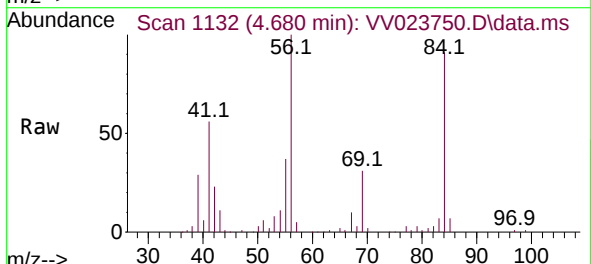
RT: 4.680 min Scan# 1132

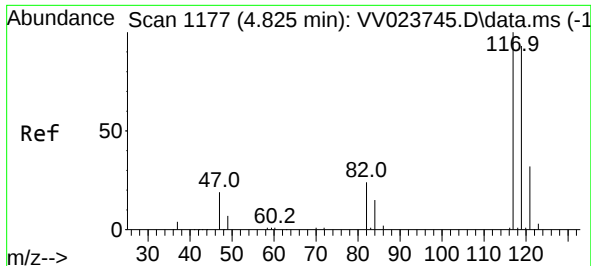
Delta R.T. 0.006 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Tgt Ion:	56	Resp:	74266
Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.8	37.2
84	92.5	75.9	113.9

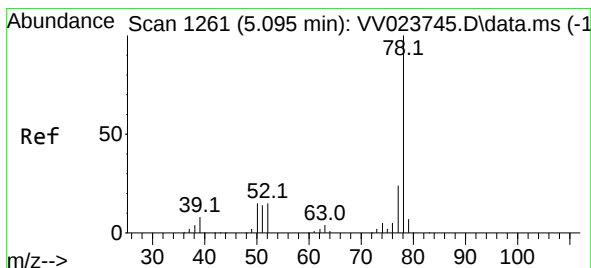
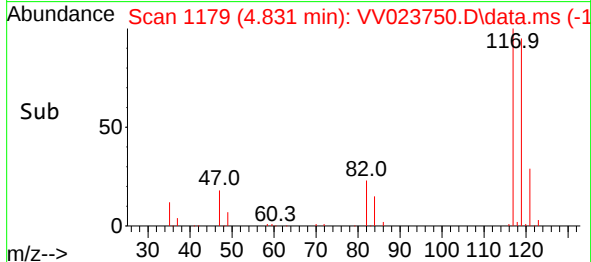
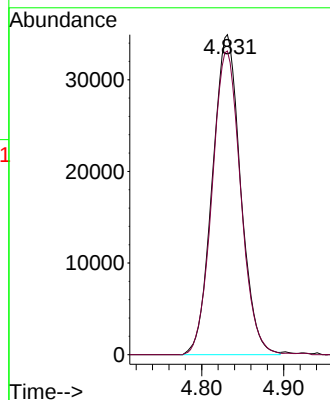
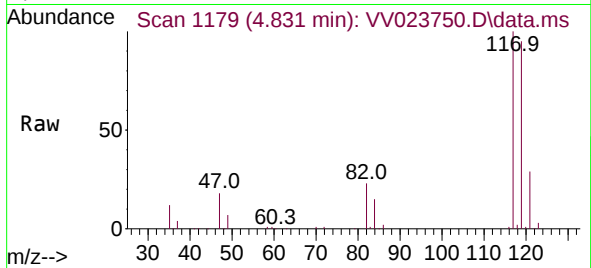




#31
Carbon tetrachloride
Concen: 5.211 ug/L
RT: 4.831 min Scan# 1177
Delta R.T. 0.006 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

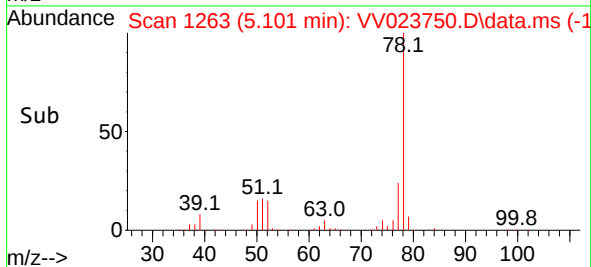
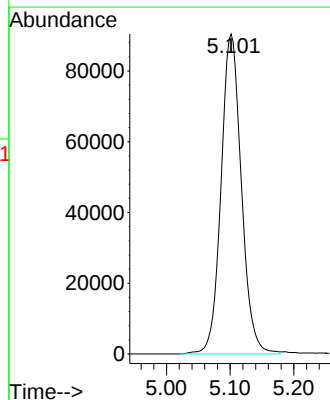
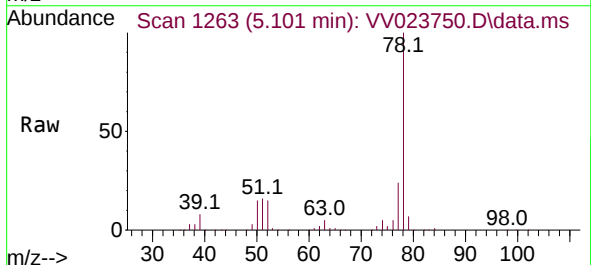
Instrument :
MSVOA_V
ClientSampleId :

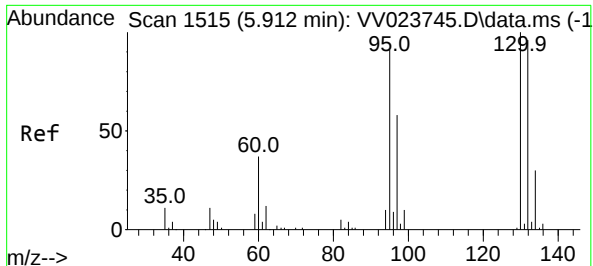
Tgt Ion:117 Resp: 83298
Ion Ratio Lower Upper
117 100
119 96.2 76.6 114.8



#33
Benzene
Concen: 5.278 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

Tgt Ion: 78 Resp: 200931

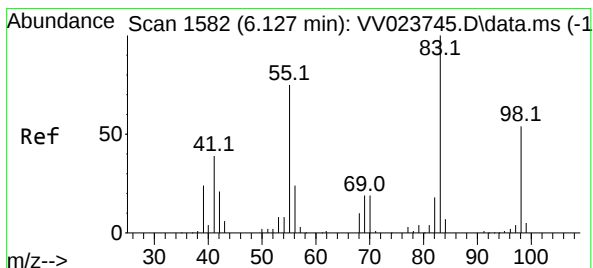
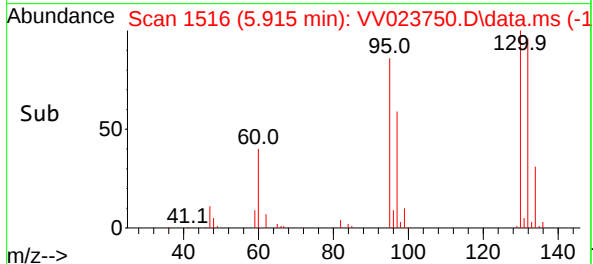
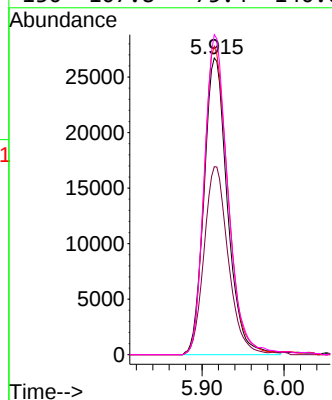
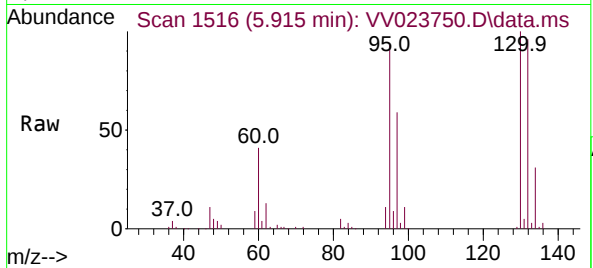




#34
Trichloroethene
Concen: 5.204 ug/L
RT: 5.915 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

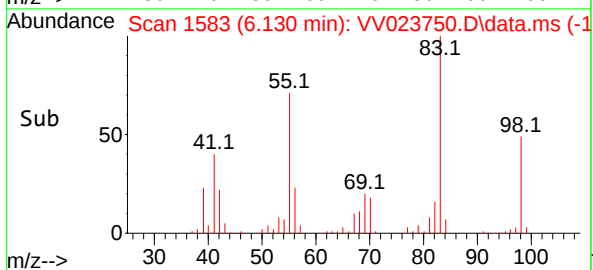
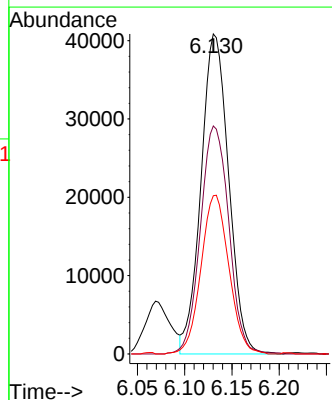
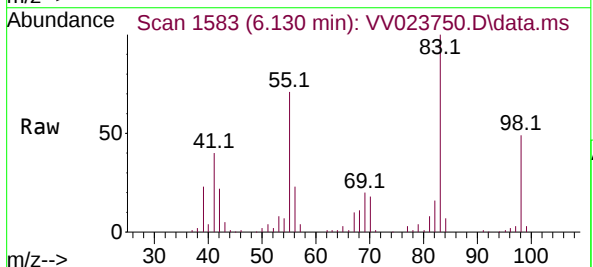
Instrument :
MSVOA_V
ClientSampleId :

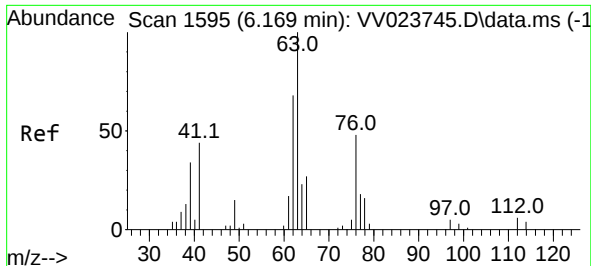
Tgt Ion: 95 Resp: 53077
Ion Ratio Lower Upper
95 100
97 63.4 45.2 84.0
132 103.8 76.1 141.3
130 107.8 75.4 140.0



#35
Methylcyclohexane
Concen: 5.236 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

Tgt Ion: 83 Resp: 83248
Ion Ratio Lower Upper
83 100
55 73.2 60.2 90.2
98 50.1 41.0 61.4





#37

1,2-Dichloropropane

Concen: 5.150 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Instrument :

MSVOA_V

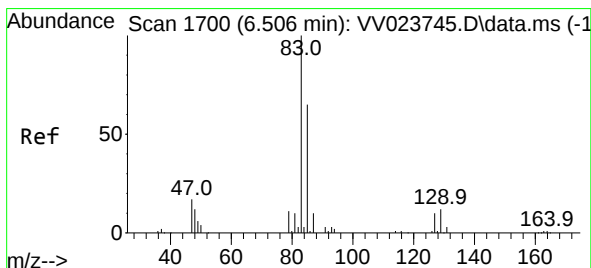
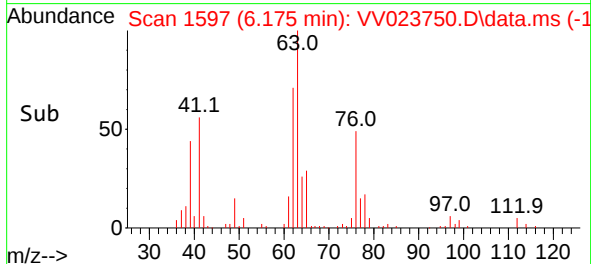
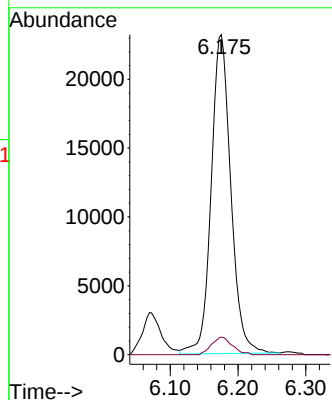
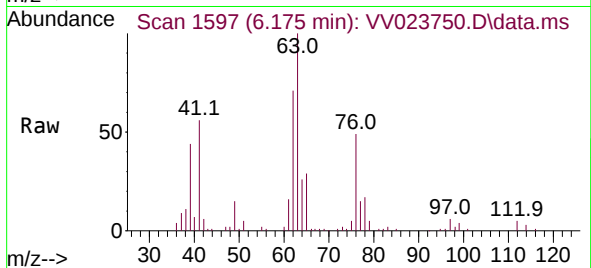
ClientSampleId :

Tgt Ion: 63 Resp: 46607

Ion Ratio Lower Upper

63 100

112 5.8 4.3 6.5



#38

Bromodichloromethane

Concen: 5.214 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

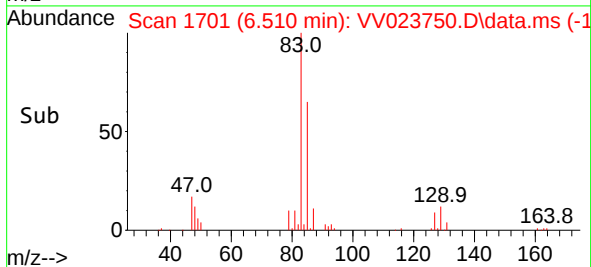
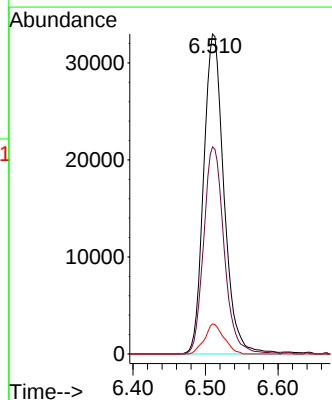
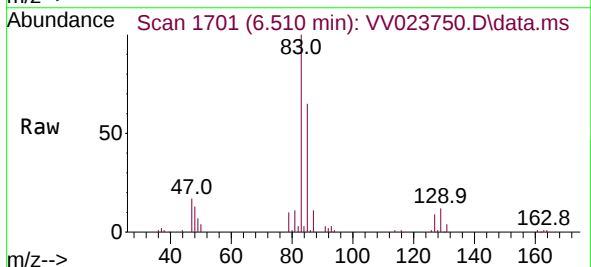
Tgt Ion: 83 Resp: 64042

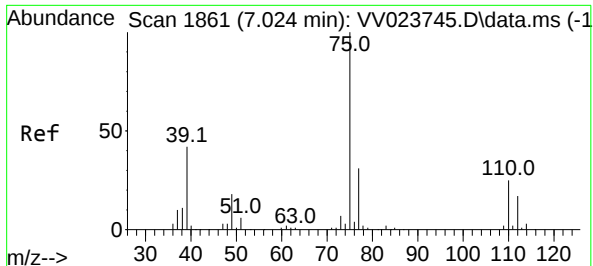
Ion Ratio Lower Upper

83 100

85 64.7 44.0 81.8

127 9.4 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 5.325 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Instrument :

MSVOA_V

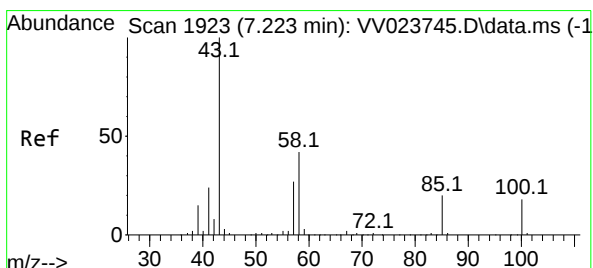
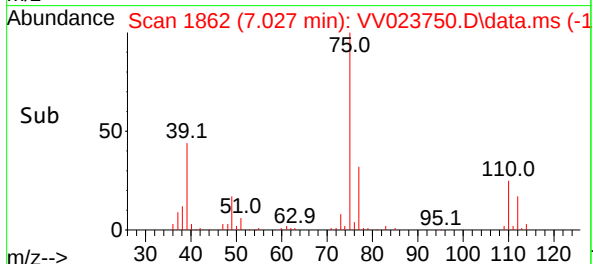
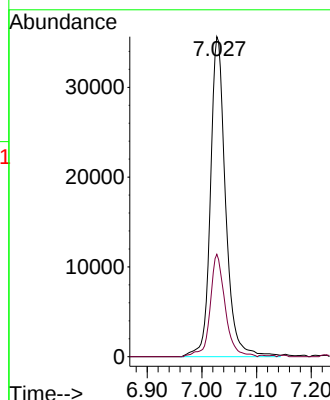
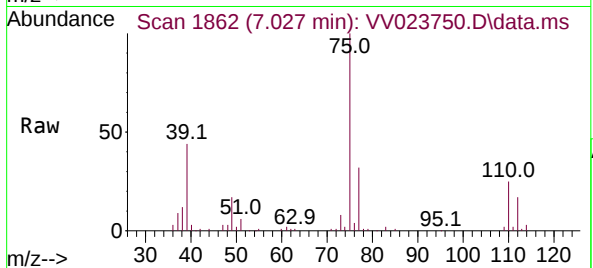
ClientSampleId :

Tgt Ion: 75 Resp: 68584

Ion Ratio Lower Upper

75 100

77 32.0 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 52.808 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

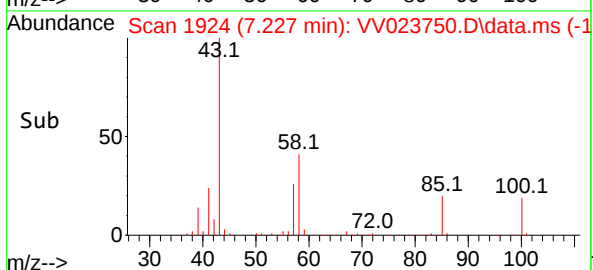
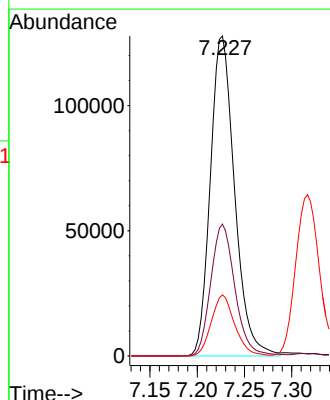
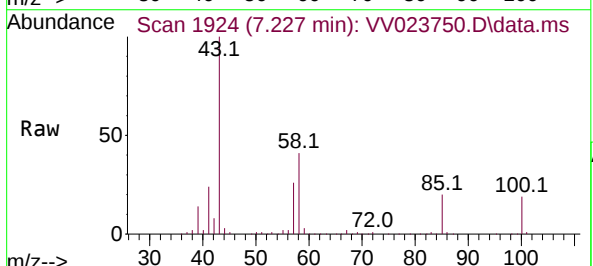
Tgt Ion: 43 Resp: 228137

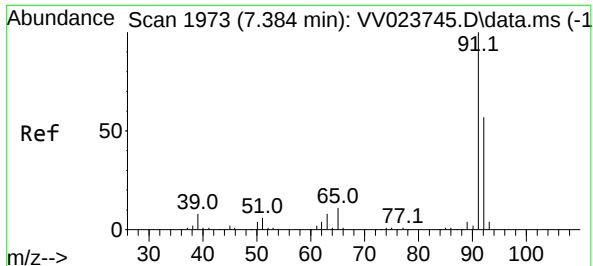
Ion Ratio Lower Upper

43 100

58 41.1 32.3 48.5

100 18.5 13.0 19.6





#42

Toluene

Concen: 5.436 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Instrument :

MSVOA_V

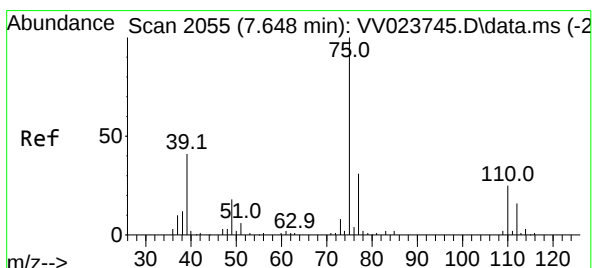
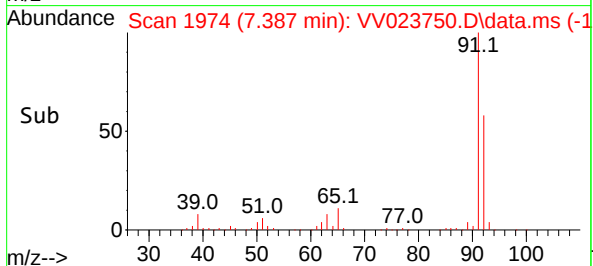
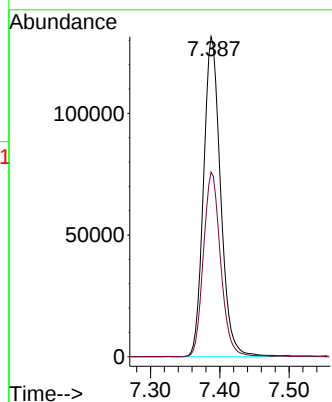
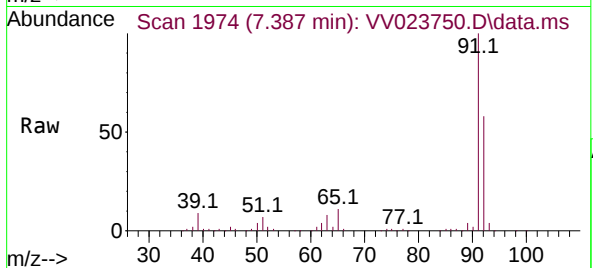
ClientSampleId :

Tgt Ion: 91 Resp: 224455

Ion Ratio Lower Upper

91 100

92 57.7 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 5.383 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV023750.D

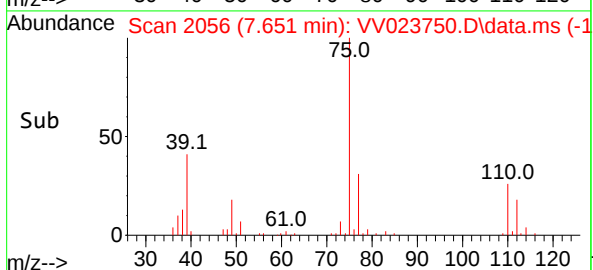
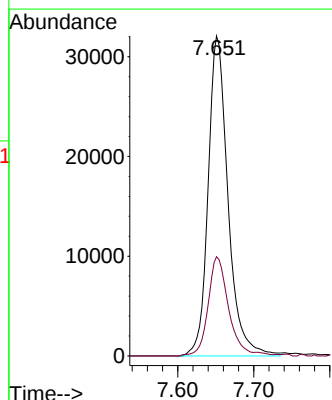
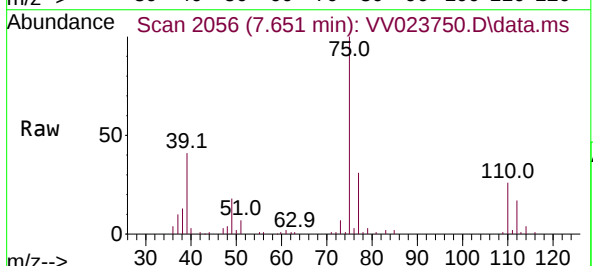
Acq: 30 Nov 2021 17:30

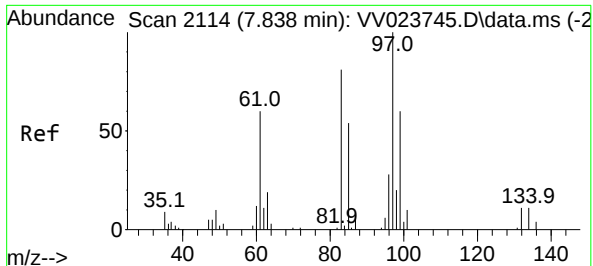
Tgt Ion: 75 Resp: 58267

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 5.462 ug/L

RT: 7.841 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 34227

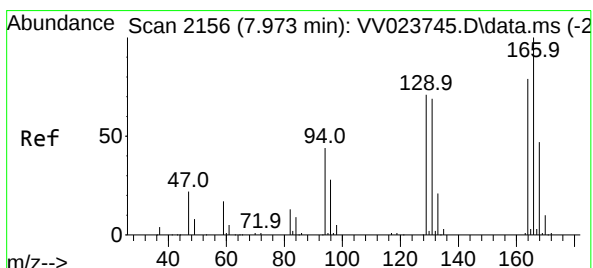
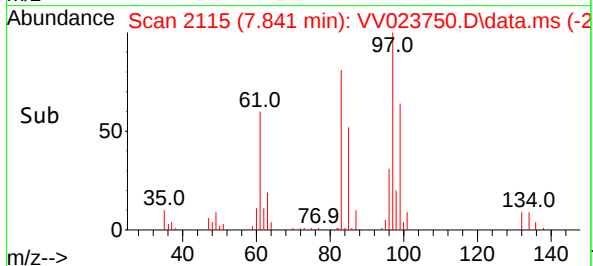
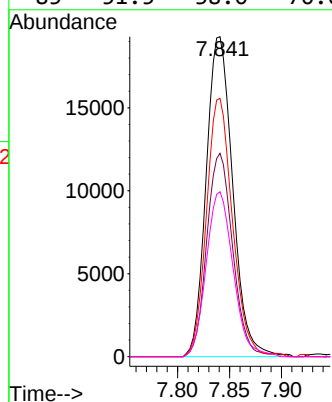
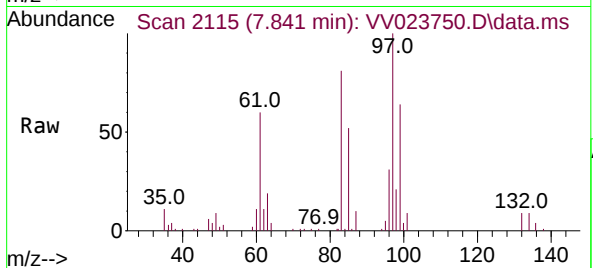
Ion Ratio Lower Upper

97 100

99 63.5 43.1 80.1

83 80.7 57.9 107.5

85 51.5 38.0 70.6



#47

Tetrachloroethene

Concen: 5.254 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Tgt Ion:164 Resp: 48771

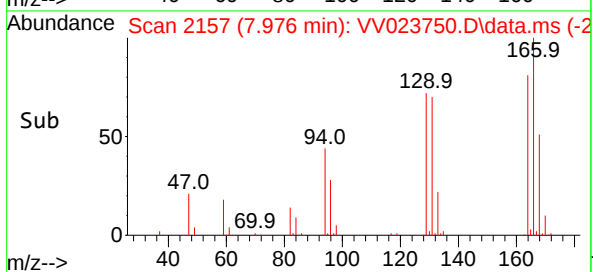
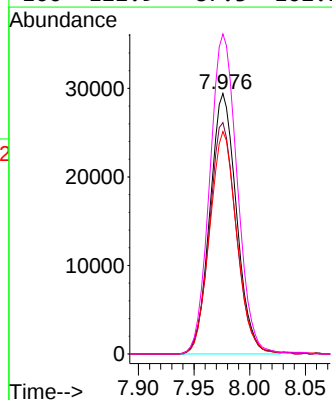
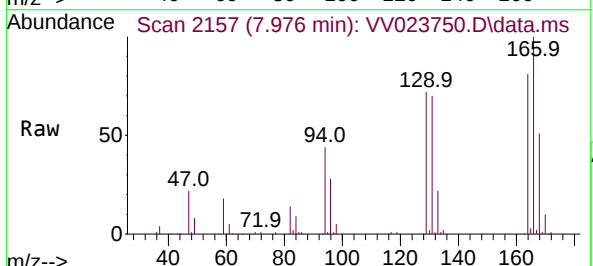
Ion Ratio Lower Upper

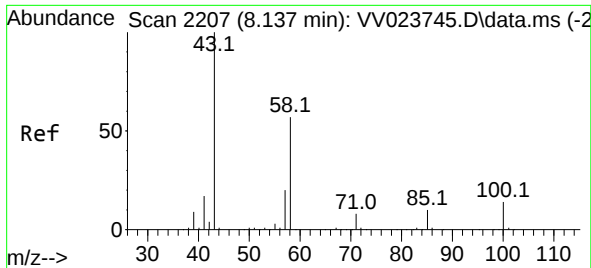
164 100

129 88.9 62.6 116.2

131 85.4 61.0 113.4

166 122.9 87.3 162.1



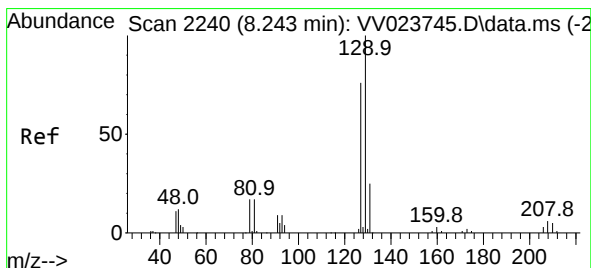
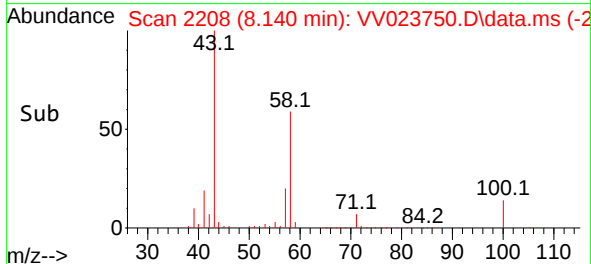
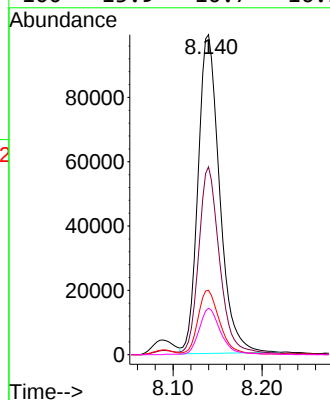
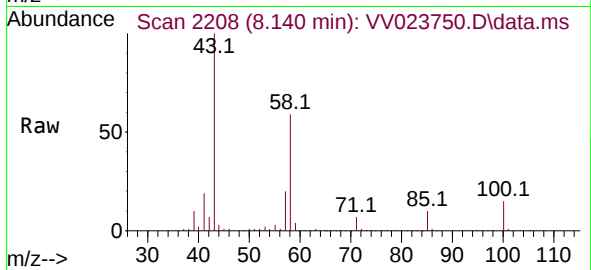


#48
2-Hexanone
Concen: 52.253 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 166845

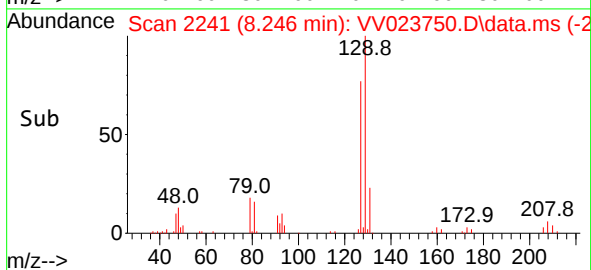
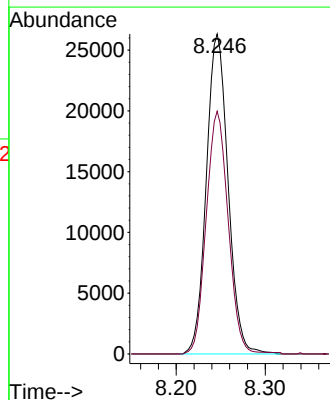
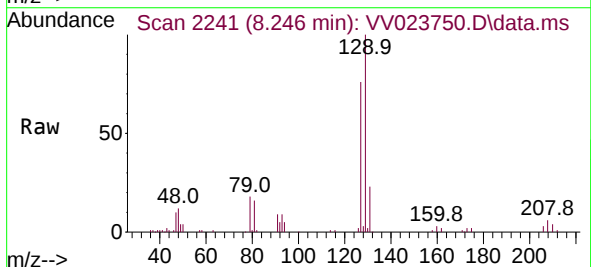
Ion	Ratio	Lower	Upper
43	100		
58	56.8	44.5	66.7
57	20.2	15.1	22.7
100	13.9	10.7	16.1

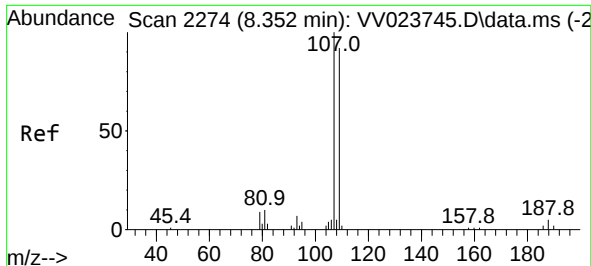


#49
Dibromochloromethane
Concen: 5.184 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

Tgt Ion: 129 Resp: 44519

Ion	Ratio	Lower	Upper
129	100		
127	75.9	53.5	99.3





#50

1,2-Dibromoethane

Concen: 5.049 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV023750.D

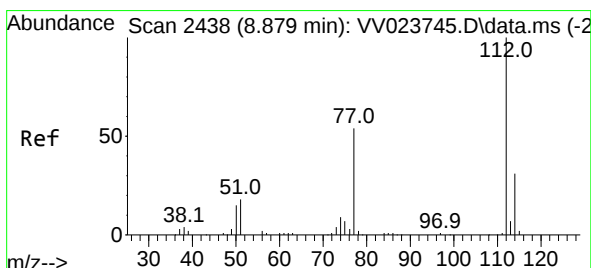
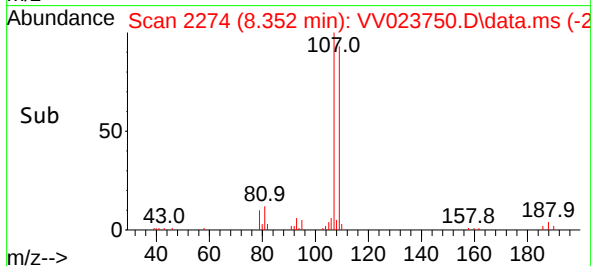
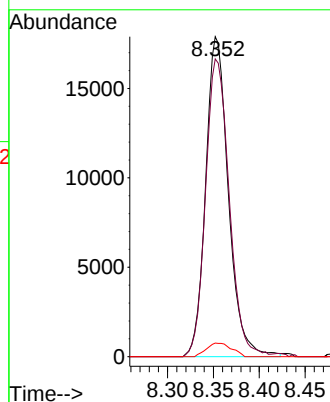
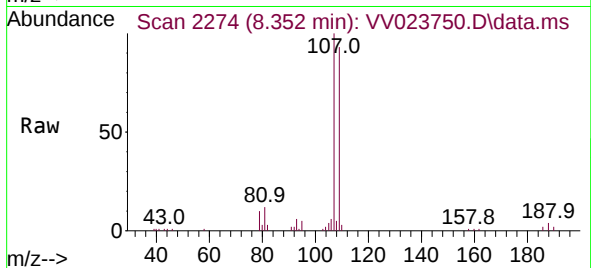
Acq: 30 Nov 2021 17:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	30853
Ion	Ratio	Lower Upper
107	100	
109	93.1	62.5 116.1
188	4.3	3.4 5.2



#51

Chlorobenzene

Concen: 5.247 ug/L

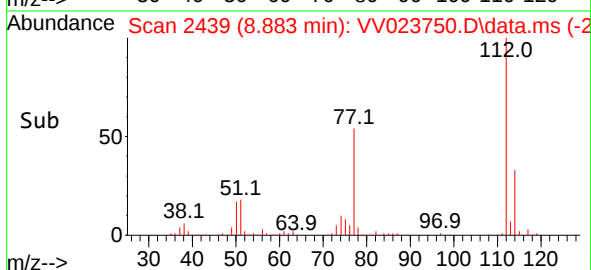
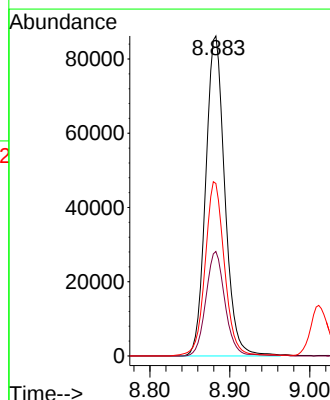
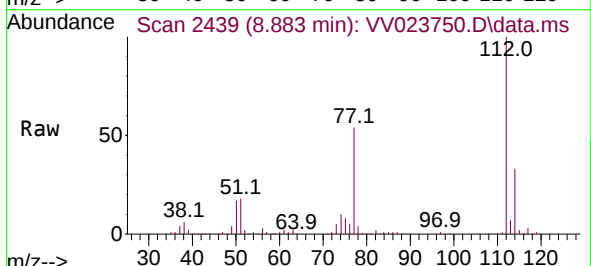
RT: 8.883 min Scan# 2439

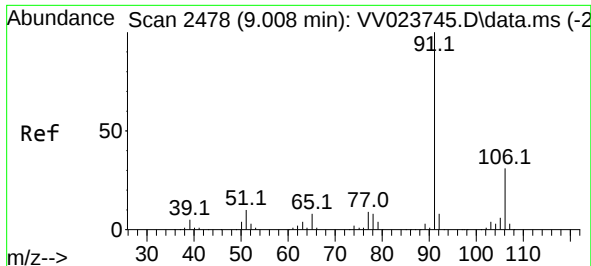
Delta R.T. 0.003 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Tgt Ion:112	Resp:	143633
Ion	Ratio	Lower Upper
112	100	
114	32.6	23.3 43.3
77	53.9	43.3 64.9





#52

Ethylbenzene

Concen: 5.438 ug/L

RT: 9.011 min Scan# 2478

Delta R.T. 0.003 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Instrument :

MSVOA_V

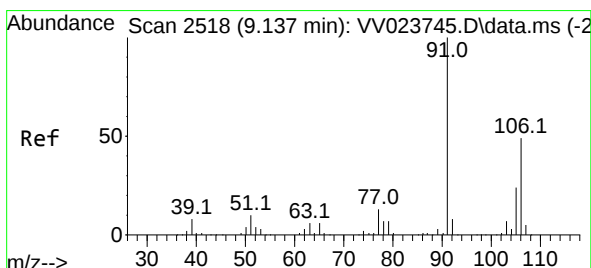
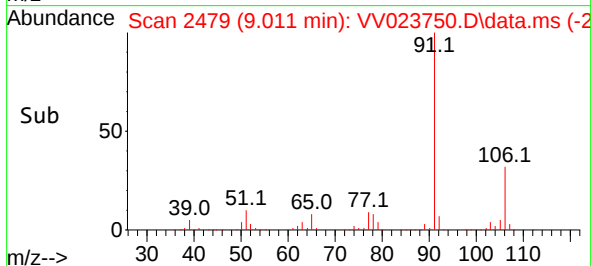
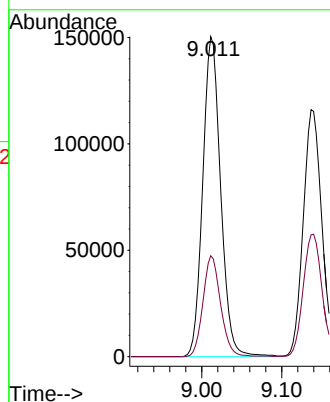
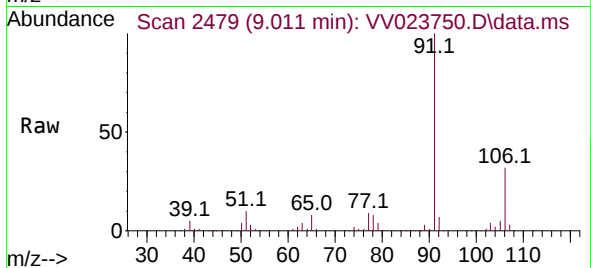
ClientSampleId :

Tgt Ion: 91 Resp: 234710

Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



#53

m,p-xylene

Concen: 5.589 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV023750.D

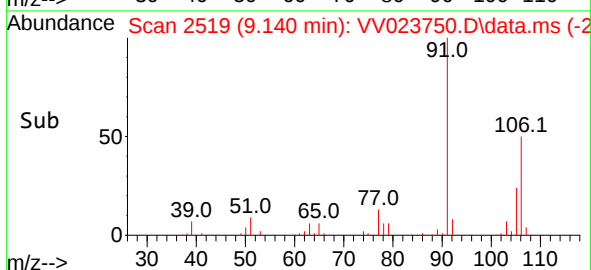
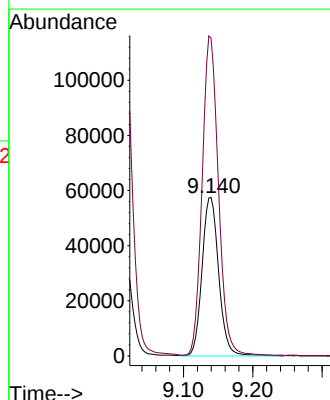
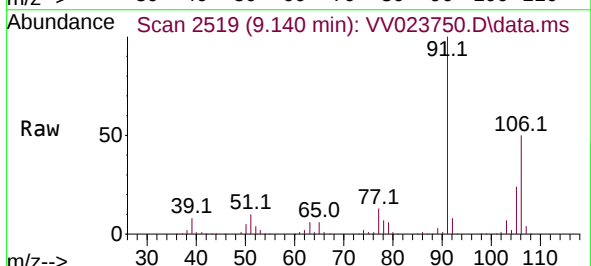
Acq: 30 Nov 2021 17:30

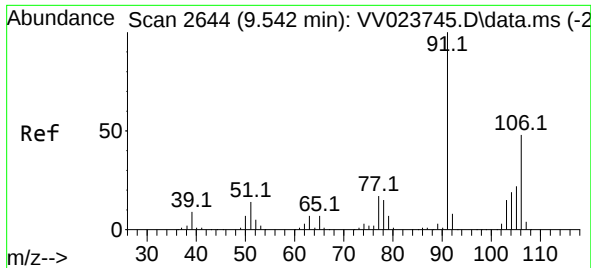
Tgt Ion:106 Resp: 95998

Ion Ratio Lower Upper

106 100

91 200.4 139.5 259.1

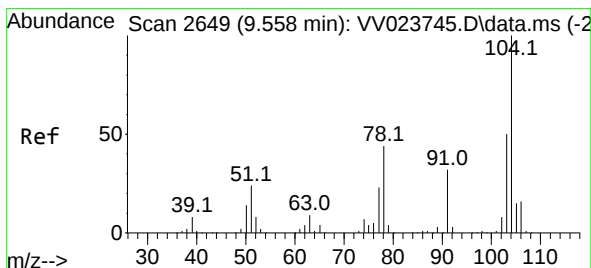
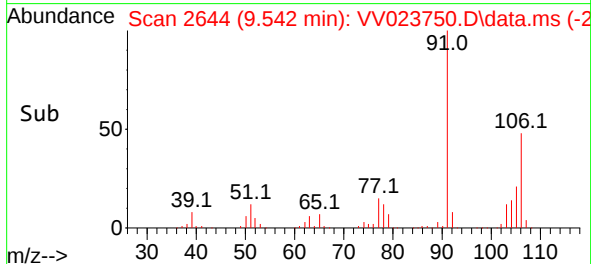
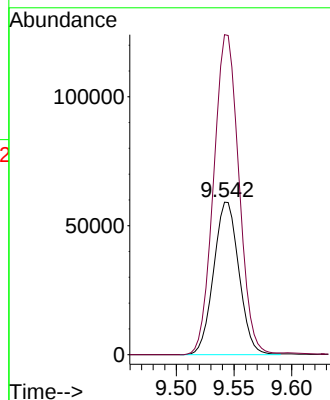
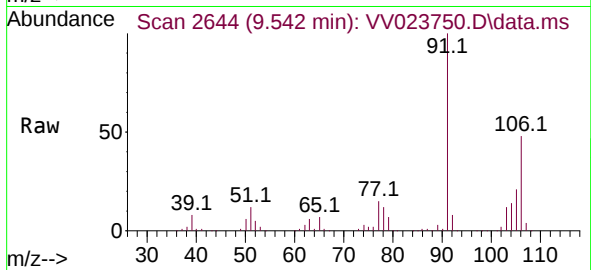




#54
o-xylene
Concen: 5.515 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

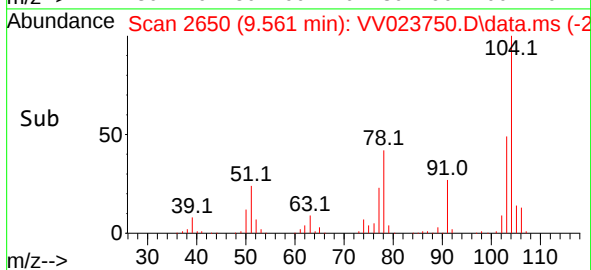
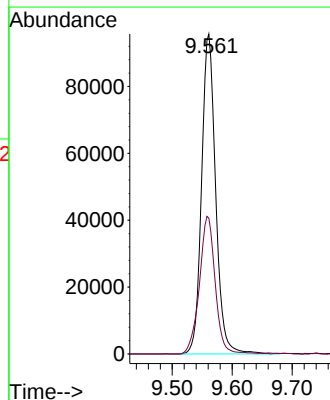
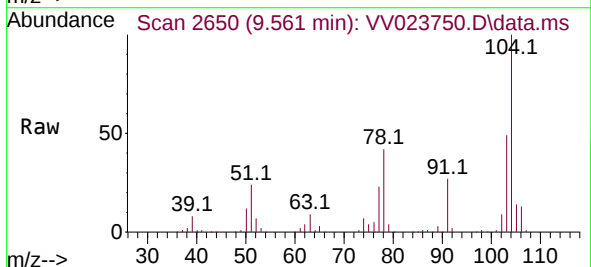
Instrument :
MSVOA_V
ClientSampleId :

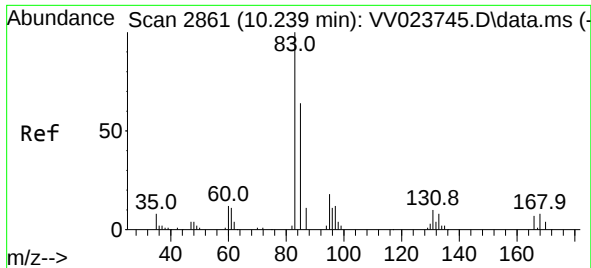
Tgt Ion:106 Resp: 90094
Ion Ratio Lower Upper
106 100
91 209.9 147.9 274.7



#55
Styrene
Concen: 5.696 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

Tgt Ion:104 Resp: 156783
Ion Ratio Lower Upper
104 100
78 42.5 31.0 57.6

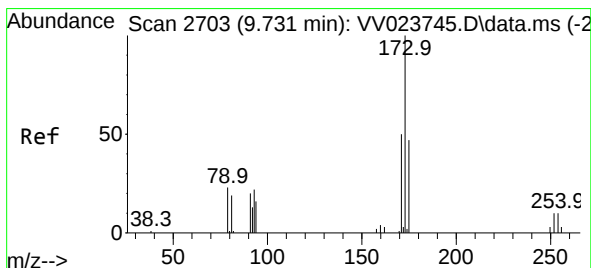
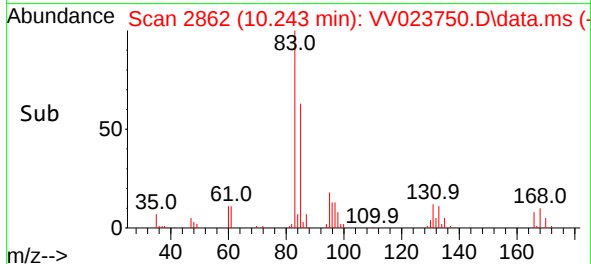
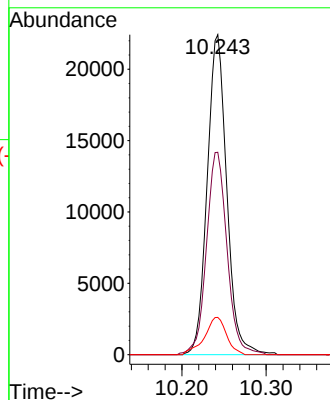
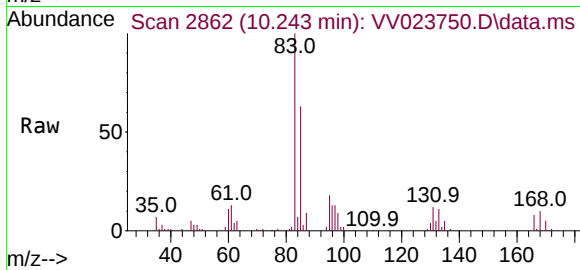




#57
1,1,2,2-Tetrachloroethane
Concen: 5.196 ug/L
RT: 10.243 min Scan# 2862
Delta R.T. 0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

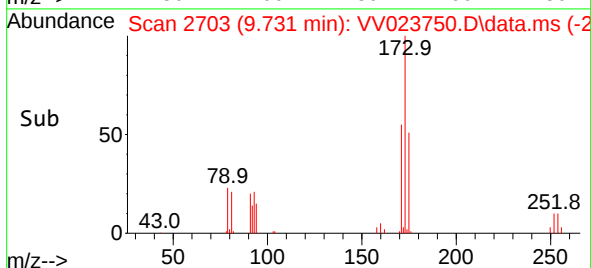
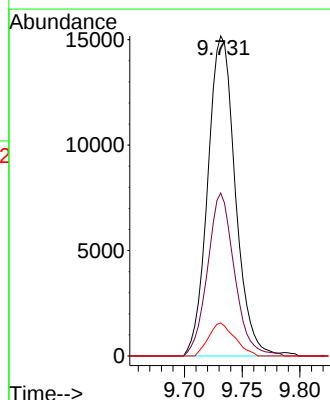
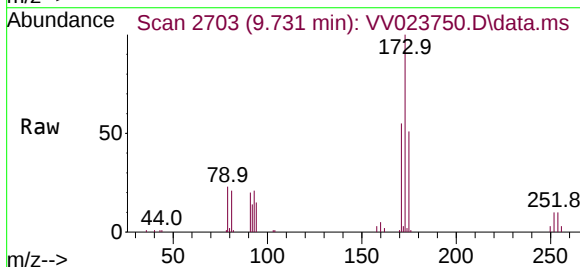
Instrument :
MSVOA_V
ClientSampleId :

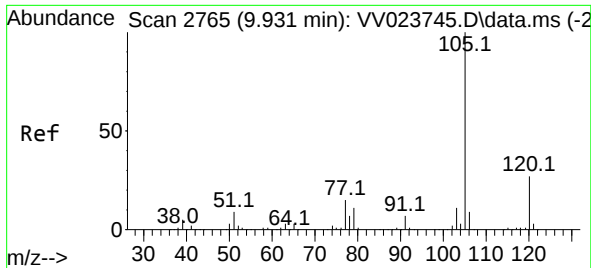
Tgt Ion: 83 Resp: 36230
Ion Ratio Lower Upper
83 100
85 63.2 44.6 82.8
131 11.6 8.3 12.5



#59
Bromoform
Concen: 5.068 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.000 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

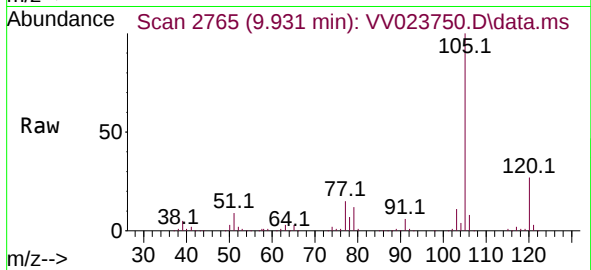
Tgt Ion: 173 Resp: 25186
Ion Ratio Lower Upper
173 100
175 49.8 39.4 59.2
254 9.7 7.4 11.0



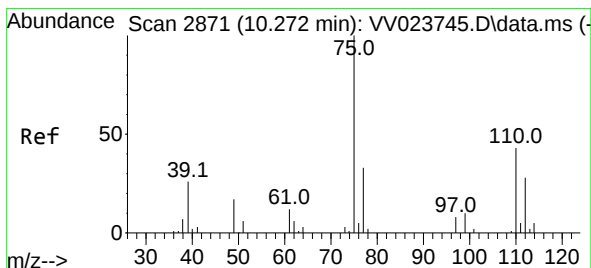
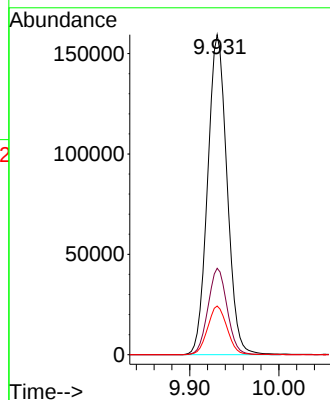
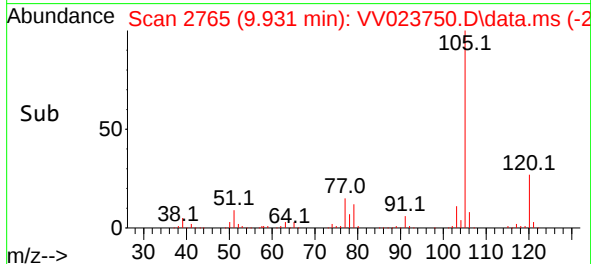


#60
Isopropylbenzene
Concen: 5.357 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

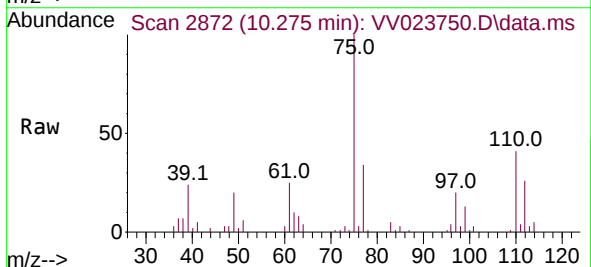
Instrument :
MSVOA_V
ClientSampleId :



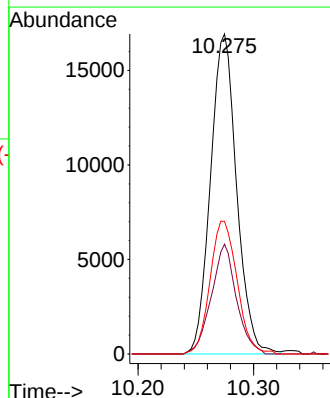
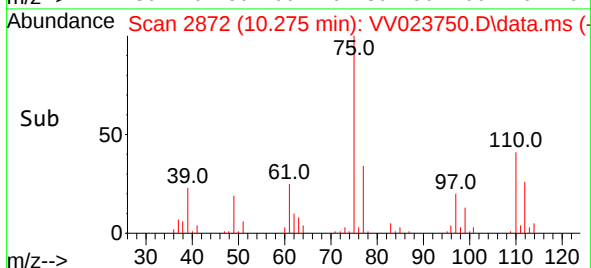
Tgt Ion:105 Resp: 240663
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.0
77 15.2 12.2 18.4

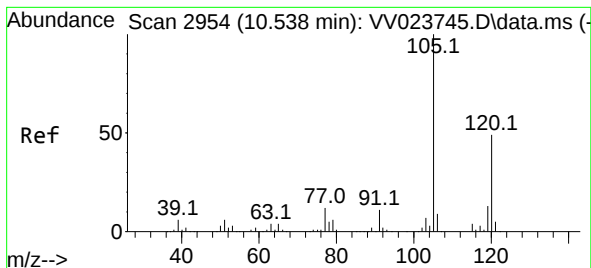


#61
1,2,3-Trichloropropane
Concen: 4.984 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30



Tgt Ion: 75 Resp: 26595
Ion Ratio Lower Upper
75 100
77 33.0 26.4 39.6
110 43.1 34.2 51.2





#62

1,3,5-Trimethylbenzene

Concen: 5.397 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Instrument :

MSVOA_V

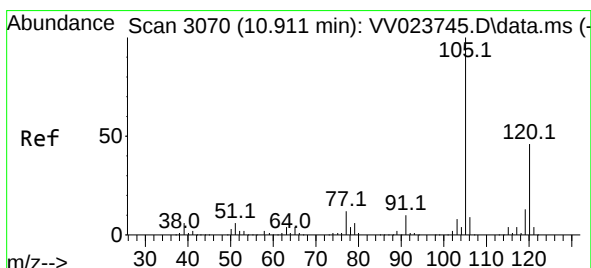
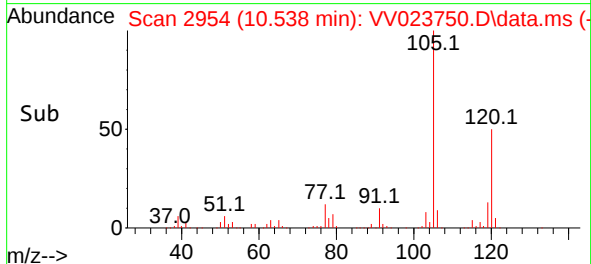
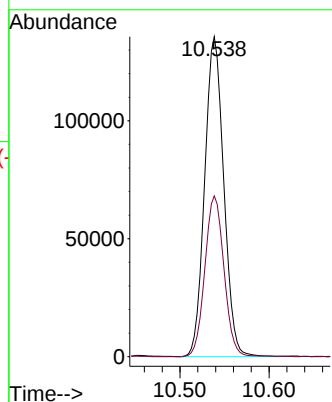
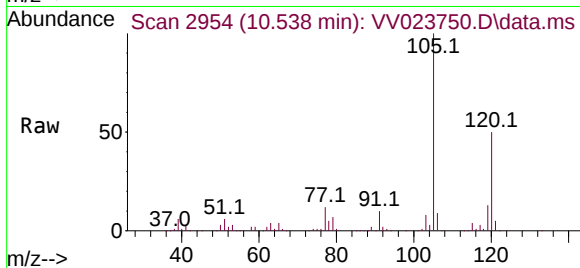
ClientSampleId :

Tgt Ion:105 Resp: 201769

Ion Ratio Lower Upper

105 100

120 50.3 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 5.536 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV023750.D

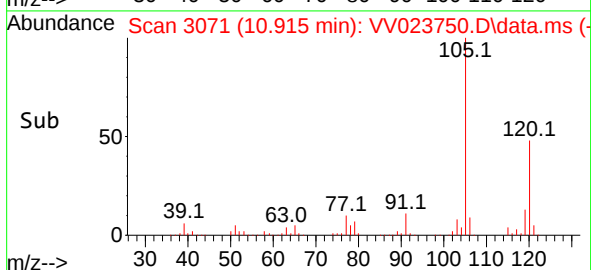
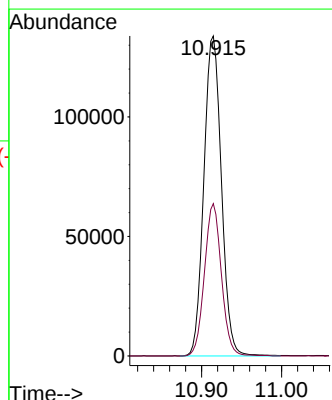
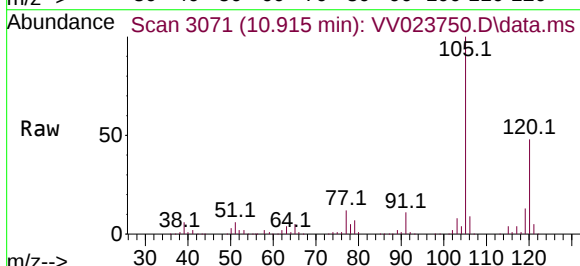
Acq: 30 Nov 2021 17:30

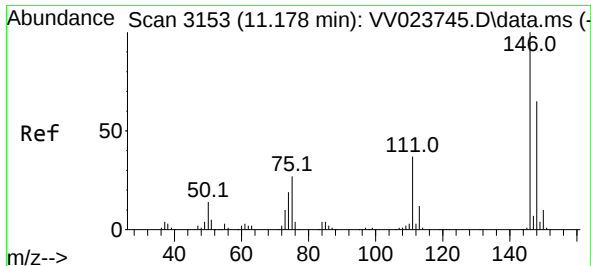
Tgt Ion:105 Resp: 204670

Ion Ratio Lower Upper

105 100

120 46.0 36.7 55.1

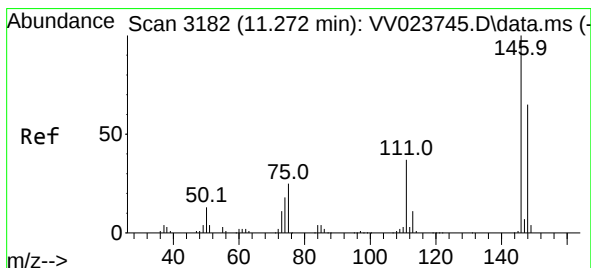
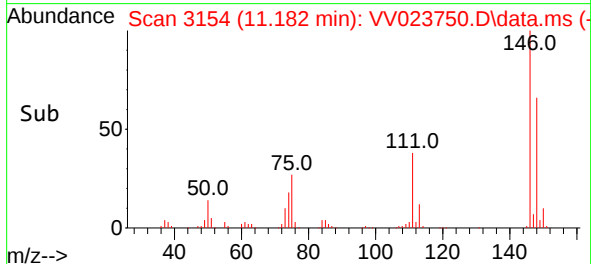
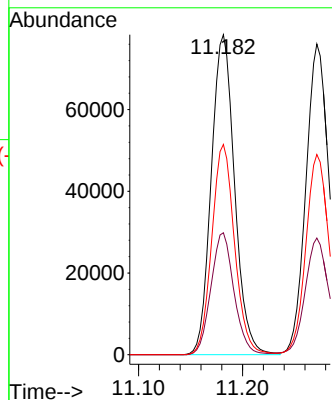
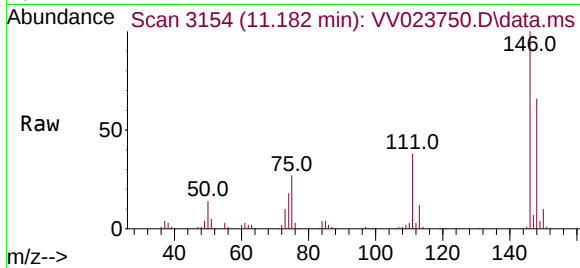




#64
1,3-Dichlorobenzene
Concen: 5.317 ug/L
RT: 11.182 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

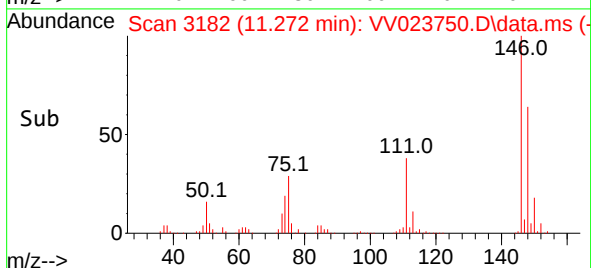
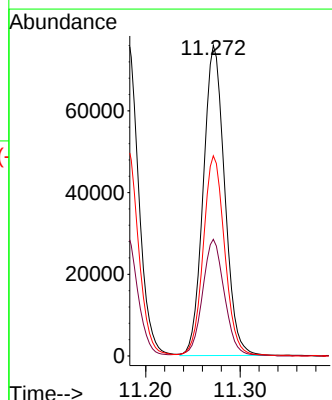
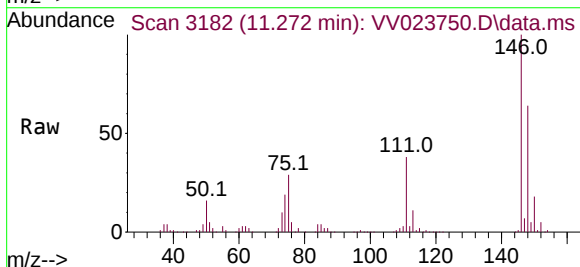
Instrument :
MSVOA_V
ClientSampleId :

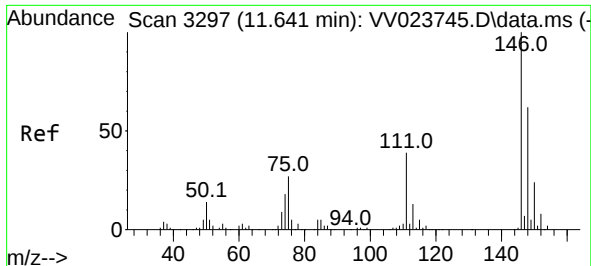
Tgt Ion:146 Resp: 122143
Ion Ratio Lower Upper
146 100
111 38.1 26.3 48.9
148 65.7 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 5.182 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

Tgt Ion:146 Resp: 119632
Ion Ratio Lower Upper
146 100
111 37.5 25.6 47.6
148 64.4 44.8 83.2

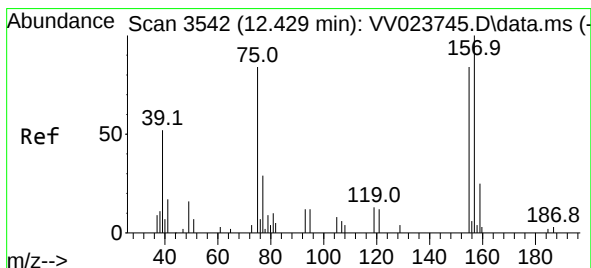
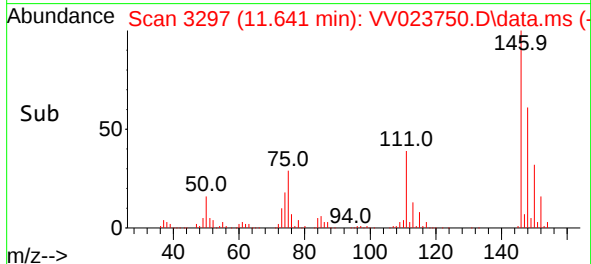
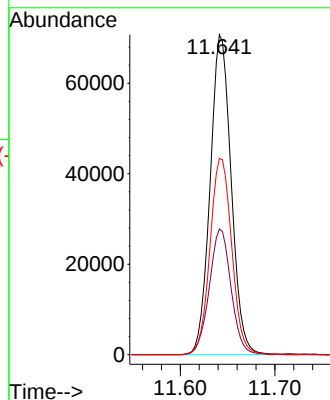
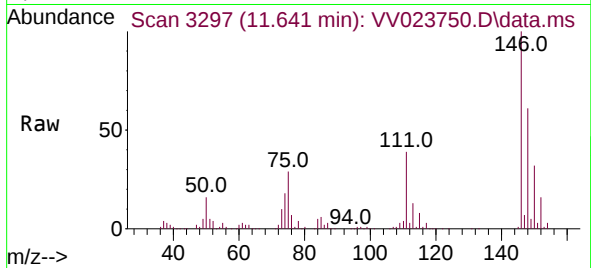




#67
1,2-Dichlorobenzene
Concen: 5.201 ug/L
RT: 11.641 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

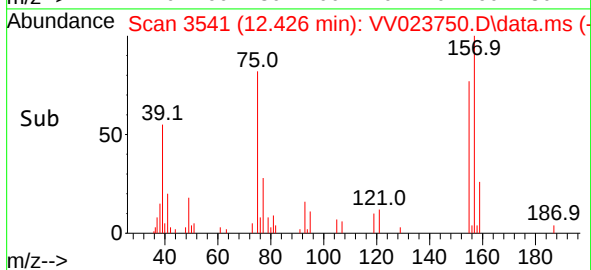
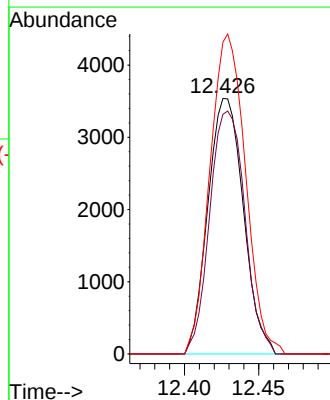
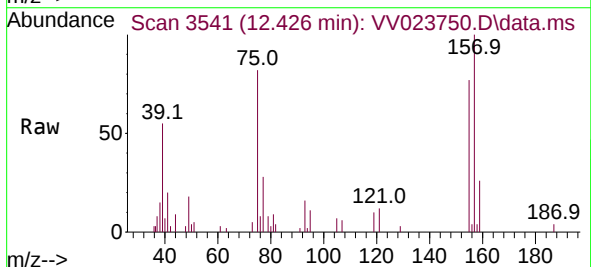
Instrument :
MSVOA_V
ClientSampleId :

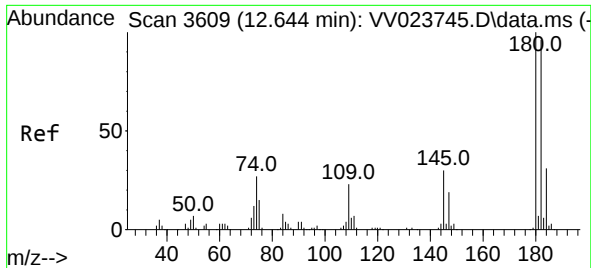
Tgt Ion:146 Resp: 109345
Ion Ratio Lower Upper
146 100
111 39.3 31.9 47.9
148 61.3 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.550 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VV023750.D
Acq: 30 Nov 2021 17:30

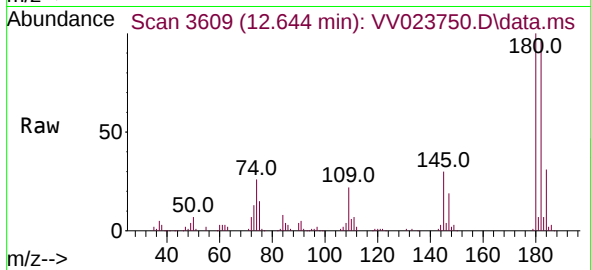
Tgt Ion: 75 Resp: 5881
Ion Ratio Lower Upper
75 100
155 93.8 71.7 107.5
157 122.0 103.3 154.9



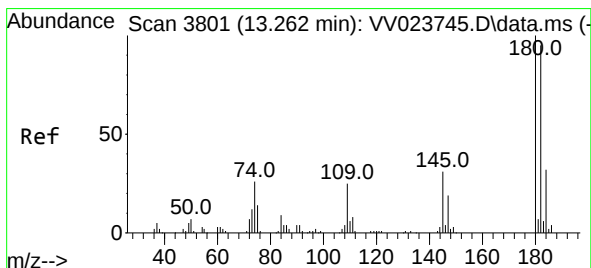
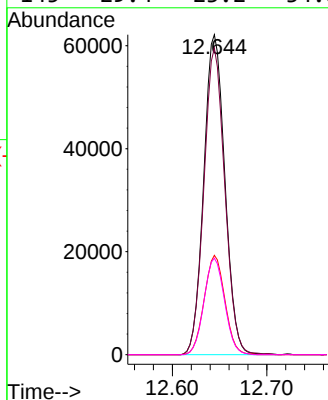
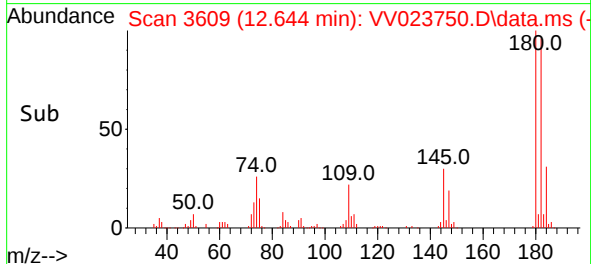


#69
 1,3,5-Trichlorobenzene
 Concen: 5.376 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VV023750.D
 Acq: 30 Nov 2021 17:30

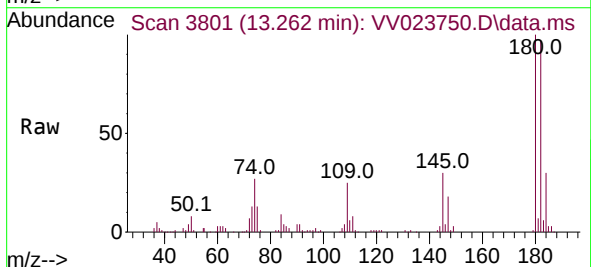
Instrument :
 MSVOA_V
 ClientSampleId :



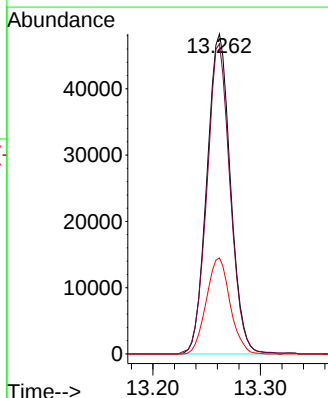
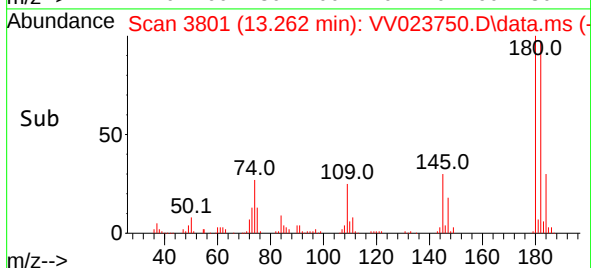
Tgt Ion:180 Resp: 96407
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.4 114.6
 184 30.4 24.2 36.4
 145 29.4 23.2 34.8

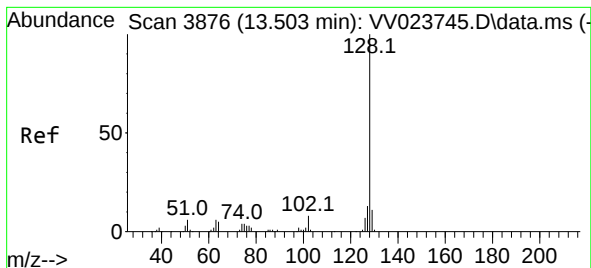


#70
 1,2,4-trichlorobenzene
 Concen: 5.263 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. 0.000 min
 Lab File: VV023750.D
 Acq: 30 Nov 2021 17:30



Tgt Ion:180 Resp: 73245
 Ion Ratio Lower Upper
 180 100
 182 95.9 74.4 111.6
 145 30.4 23.3 34.9





#71

Naphthalene

Concen: 5.755 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. 0.000 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Instrument :

MSVOA_V

ClientSampleId :

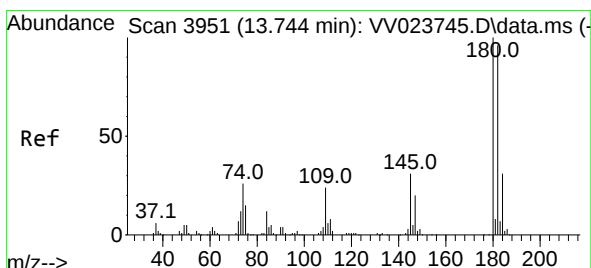
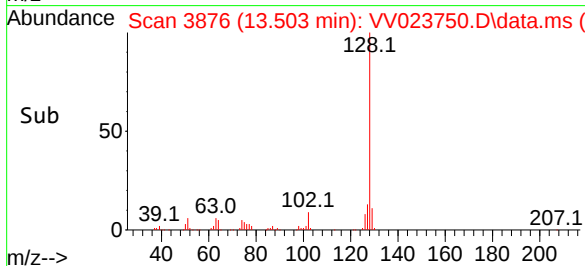
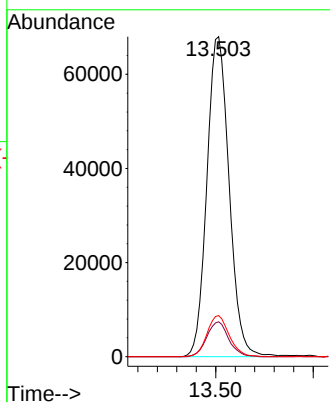
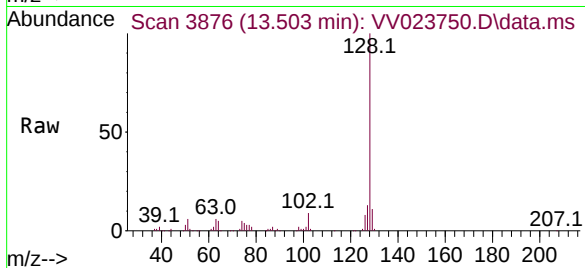
Tgt Ion:128 Resp: 107768

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

127 12.9 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 5.502 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. 0.000 min

Lab File: VV023750.D

Acq: 30 Nov 2021 17:30

Tgt Ion:180 Resp: 66338

Ion Ratio Lower Upper

180 100

182 96.5 76.8 115.2

145 32.0 25.8 38.6

