

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111221\
 Data File : VW023443.D
 Acq On : 12 Nov 2021 15:06
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 13 00:13:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 12 04:43:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.635	114	125159	5.000	ug/L	0.02
28) Chlorobenzene-d5	8.860	117	121335	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	67448	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	27394	3.494	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.800%
7) Chloroethane-d5	1.577	69	25065	3.922	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.121	63	58588	3.991	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.800%
20) 2-Butanone-d5	3.989	46	64634	47.848	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.700%
24) Chloroform-d	4.362	84	69762	4.175	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
26) 1,2-Dichloroethane-d4	5.053	65	34773	4.628	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.059	84	137871	4.429	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.095	67	42183	4.603	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.326	98	130481	4.473	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	7.635	79	15333	4.412	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.200%
46) 2-Hexanone-d5	8.111	63	55468	43.384	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.760%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	29795	4.521	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	48240	4.295	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	56993	4.670	ug/L	98
3) Chloromethane	1.236	50	47573	4.585	ug/L	99
5) Vinyl chloride	1.307	62	47966	4.629	ug/L	98
6) Bromomethane	1.529	94	29413	4.440	ug/L	100
8) Chloroethane	1.597	64	28783	4.813	ug/L	100
9) Trichlorofluoromethane	1.764	101	76647	4.922	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.127	101	35969	4.589	ug/L	98
12) 1,1-Dichloroethene	2.130	96	34113	4.571	ug/L	83
13) Acetone	2.275	43	38599	46.765	ug/L	74
14) Carbon disulfide	2.301	76	100755	3.577	ug/L	99
15) Methyl Acetate	2.474	43	10767	4.609	ug/L	96
16) Methylene chloride	2.516	84	37367	3.431	ug/L	92
17) Methyl tert-butyl Ether	2.793	73	77062	4.690	ug/L	98
18) trans-1,2-Dichloroethene	2.761	96	36049	3.929	ug/L	98
19) 1,1-Dichloroethane	3.195	63	62962	4.064	ug/L	98
21) 2-Butanone	4.072	43	68344	51.215	ug/L	# 74
22) cis-1,2-Dichloroethene	3.921	96	38331	4.341	ug/L	# 91
23) Bromochloromethane	4.256	128	21100	5.182	ug/L	# 83
25) Chloroform	4.388	83	90758	5.496	ug/L	96

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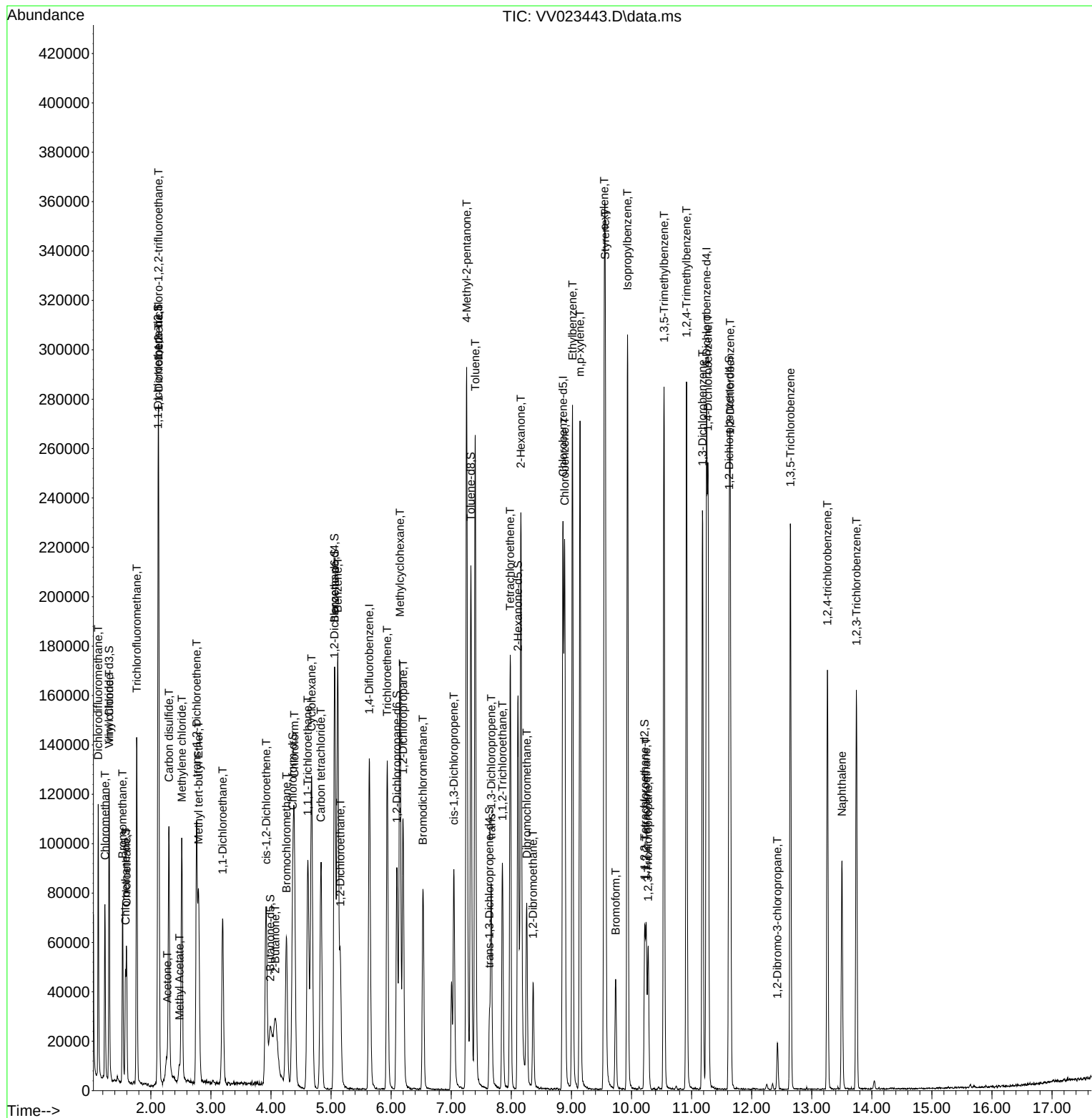
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.153	62	45221	5.149	ug/L	97
29) 1,1,1-Trichloroethane	4.613	97	73823	5.009	ug/L	98
30) Cyclohexane	4.674	56	63483	4.808	ug/L	97
31) Carbon tetrachloride	4.831	117	67422	5.094	ug/L	98
33) Benzene	5.111	78	172250	5.079	ug/L	100
34) Trichloroethene	5.934	95	44334	4.916	ug/L	98
35) Methylcyclohexane	6.146	83	67524	4.744	ug/L	96
37) 1,2-Dichloropropane	6.198	63	41545	5.247	ug/L	99
38) Bromodichloromethane	6.529	83	53640	5.056	ug/L	98
39) cis-1,3-Dichloropropene	7.043	75	53982	4.741	ug/L	99
40) 4-Methyl-2-pentanone	7.256	43	204331	55.647	ug/L	99
42) Toluene	7.400	91	191216	5.272	ug/L	97
44) trans-1,3-Dichloropropene	7.664	75	47179	4.993	ug/L	98
45) 1,1,2-Trichloroethane	7.854	97	28820	5.066	ug/L	98
47) Tetrachloroethene	7.982	164	39648	5.073	ug/L	99
48) 2-Hexanone	8.159	43	151700	58.959	ug/L	98
49) Dibromochloromethane	8.256	129	37759	5.239	ug/L	98
50) 1,2-Dibromoethane	8.362	107	28137	5.337	ug/L	97
51) Chlorobenzene	8.889	112	118014	4.895	ug/L	99
52) Ethylbenzene	9.018	91	186277	4.869	ug/L	99
53) m,p-xylene	9.143	106	75003	4.995	ug/L	95
54) o-xylene	9.548	106	70034	4.972	ug/L	100
55) Styrene	9.564	104	123704	5.127	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.246	83	30176	4.842	ug/L	99
59) Bromoform	9.738	173	20495	5.087	ug/L	99
60) Isopropylbenzene	9.934	105	190752	4.928	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	23230	5.185	ug/L	97
62) 1,3,5-Trimethylbenzene	10.542	105	148569	4.629	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	152462	4.773	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	95323	4.820	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	95917	4.749	ug/L	99
67) 1,2-Dichlorobenzene	11.644	146	87645	4.953	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	4414	4.624	ug/L	90
69) 1,3,5-Trichlorobenzene	12.648	180	71197	4.598	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	51944	4.189	ug/L	99
71) Naphthalene	13.503	128	72809	3.982	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	48348	4.456	ug/L	100

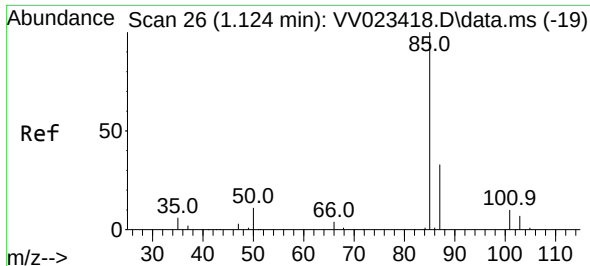
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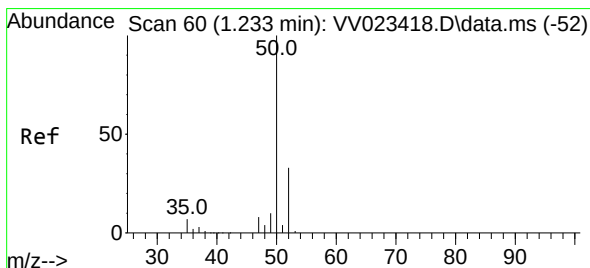
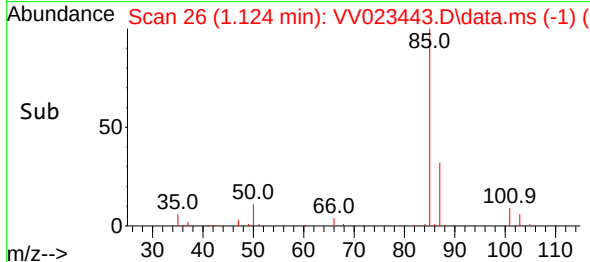
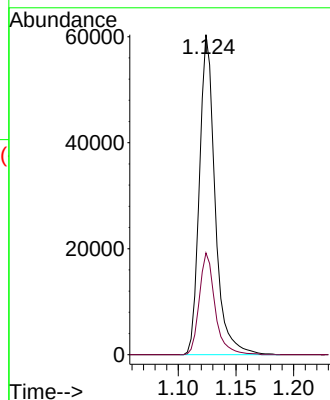
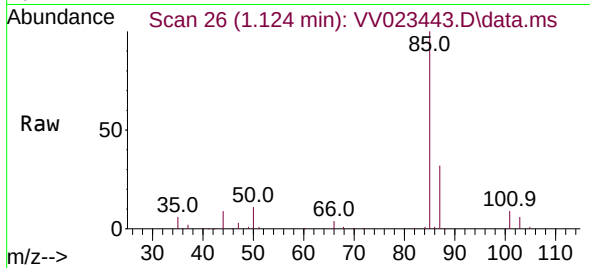




#2
 Dichlorodifluoromethane
 Concen: 4.670 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV023443.D
 Acq: 12 Nov 2021 15:06

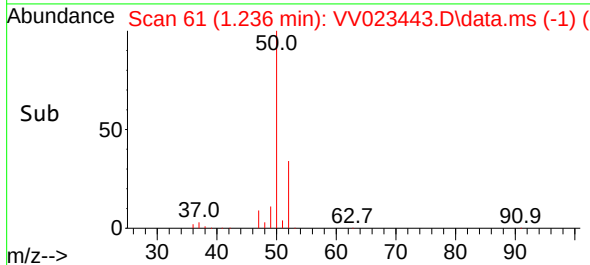
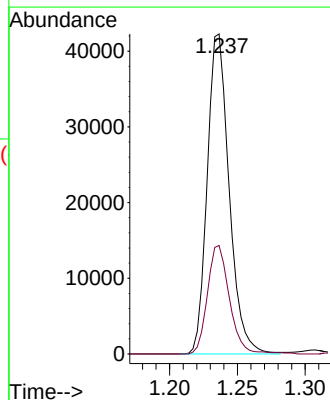
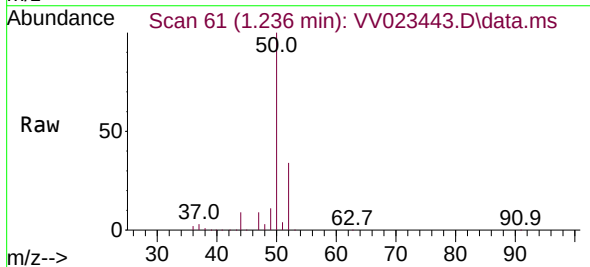
Instrument :
 MSVOA_V
 ClientSampleId :

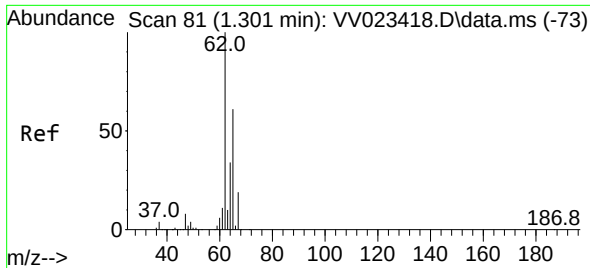
Tgt Ion: 85 Resp: 56993
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.6 39.8



#3
 Chloromethane
 Concen: 4.585 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VV023443.D
 Acq: 12 Nov 2021 15:06

Tgt Ion: 50 Resp: 47573
 Ion Ratio Lower Upper
 50 100
 52 33.9 24.3 45.1

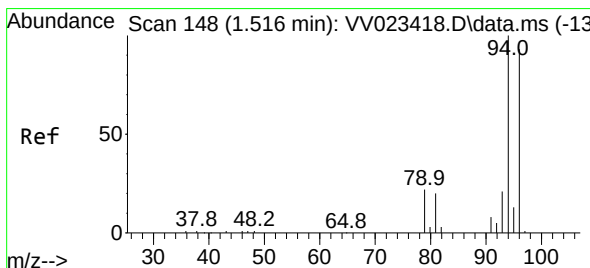
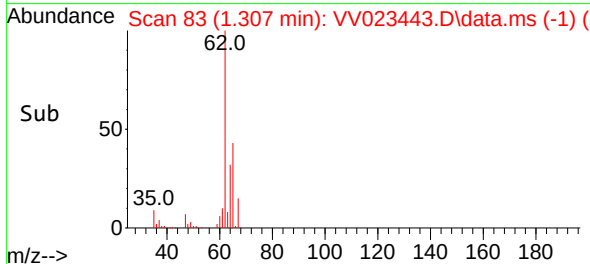
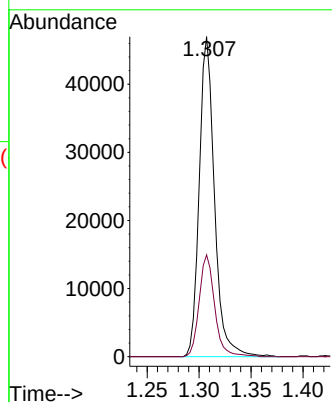
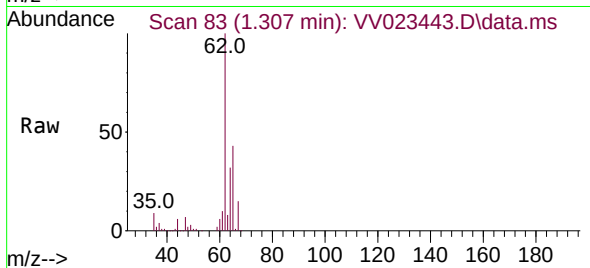




#5
 Vinyl chloride
 Concen: 4.629 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VV023443.D
 Acq: 12 Nov 2021 15:06

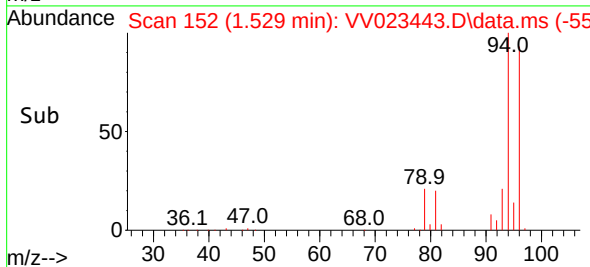
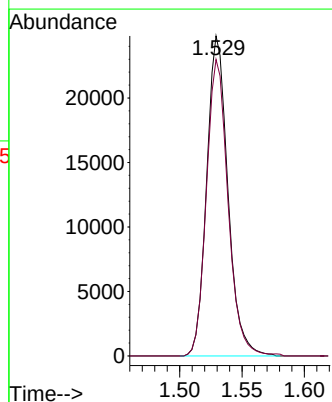
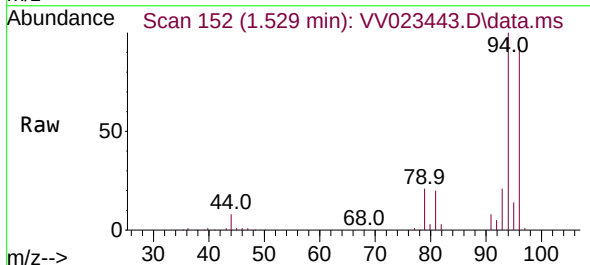
Instrument :
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 ClientSampleId :

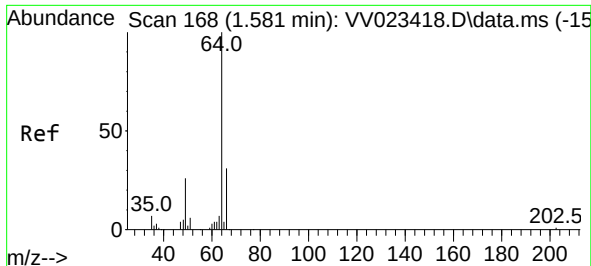
Tgt Ion: 62 Resp: 47966
 Ion Ratio Lower Upper
 62 100
 64 31.8 23.1 42.9



#6
 Bromomethane
 Concen: 4.440 ug/L
 RT: 1.529 min Scan# 152
 Delta R.T. 0.013 min
 Lab File: VV023443.D
 Acq: 12 Nov 2021 15:06

Tgt Ion: 94 Resp: 29413
 Ion Ratio Lower Upper
 94 100
 96 92.6 65.0 120.8

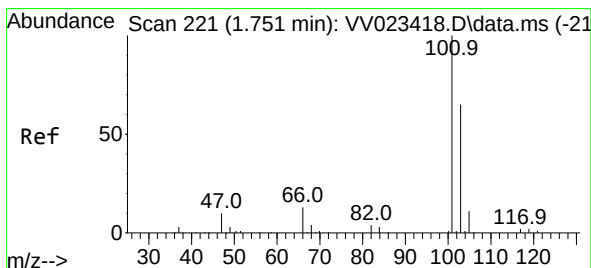
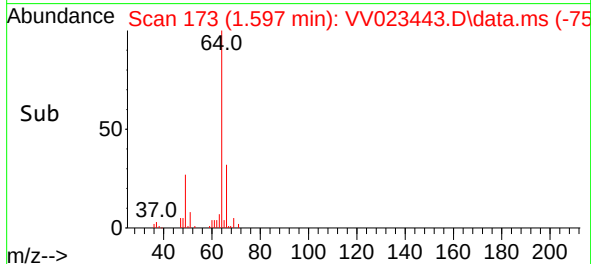
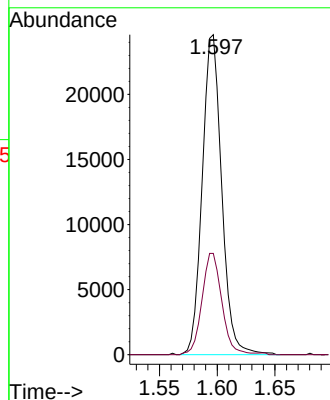
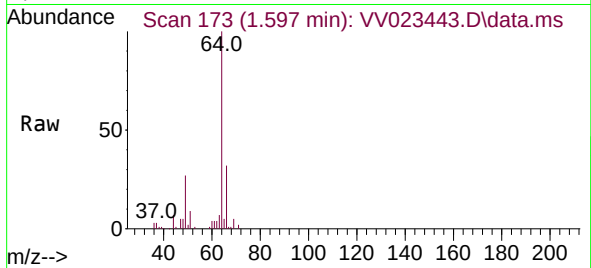




#8
Chloroethane
Concen: 4.813 ug/L
RT: 1.597 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

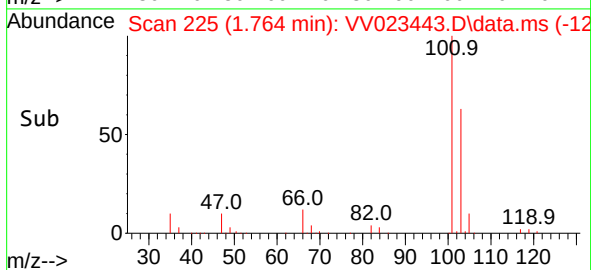
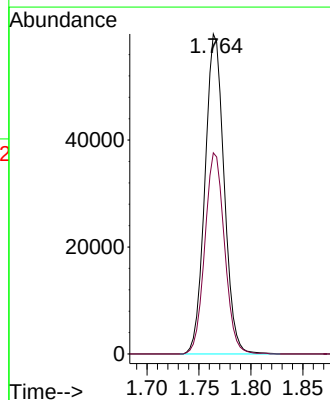
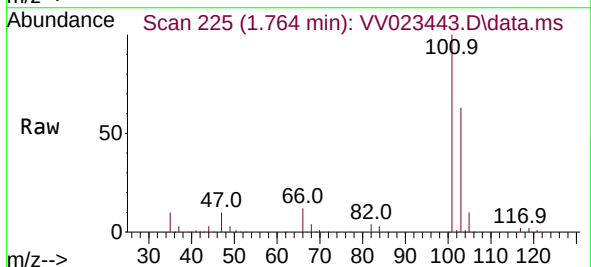
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MSVOA_V
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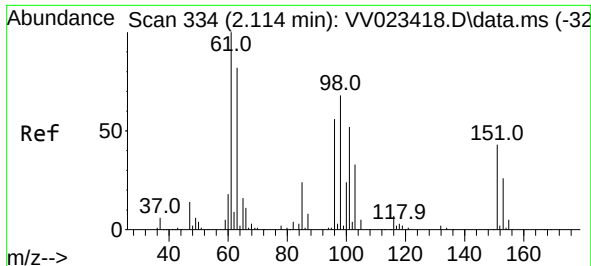
Tgt Ion: 64 Resp: 28783
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.922 ug/L
RT: 1.764 min Scan# 225
Delta R.T. 0.013 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

Tgt Ion: 101 Resp: 76647
Ion Ratio Lower Upper
101 100
103 64.6 52.6 79.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.589 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.013 min

Lab File: VV023443.D

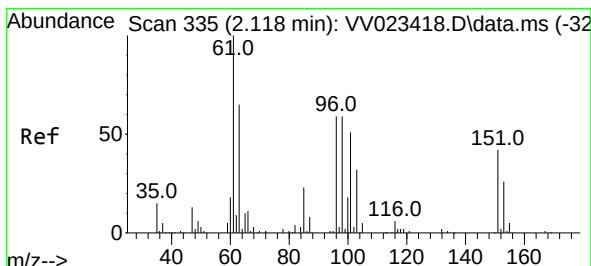
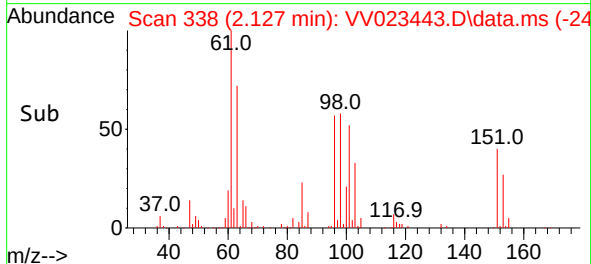
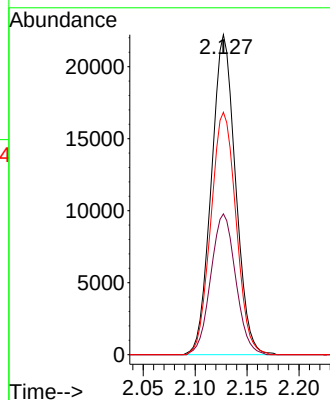
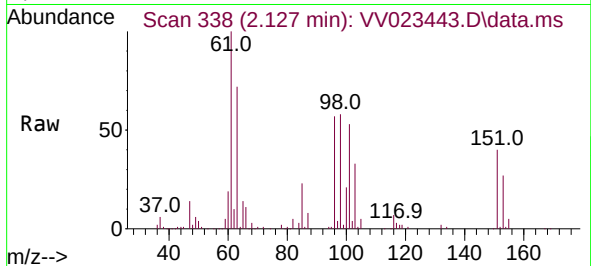
Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	101	Resp:	35969
Ion	Ratio	Lower	Upper
101	100		
85	45.3	35.3	52.9
151	78.9	62.2	93.2



#12

1,1-Dichloroethene

Concen: 4.571 ug/L

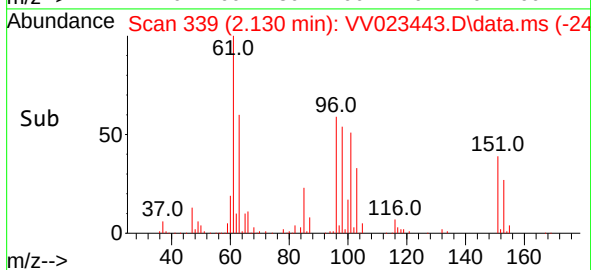
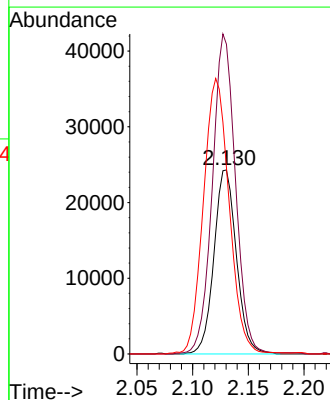
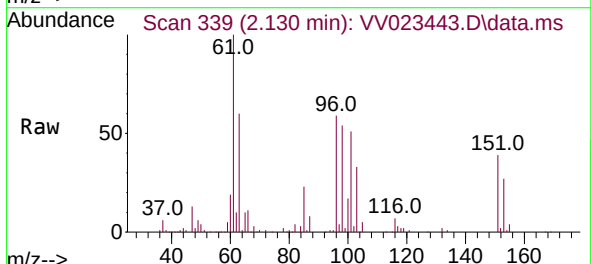
RT: 2.130 min Scan# 339

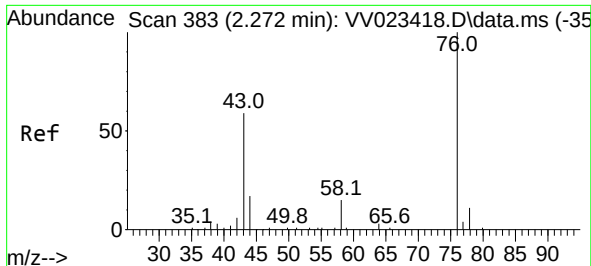
Delta R.T. 0.013 min

Lab File: VV023443.D

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Tgt Ion:	96	Resp:	34113
Ion	Ratio	Lower	Upper
96	100		
61	168.4	121.5	225.7
63	101.4	99.6	185.0





#13

Acetone

Concen: 46.765 ug/L

RT: 2.275 min Scan# 383

Delta R.T. 0.003 min

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Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

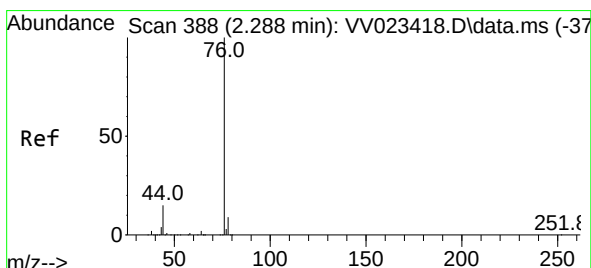
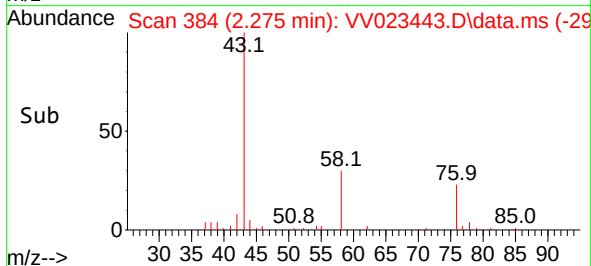
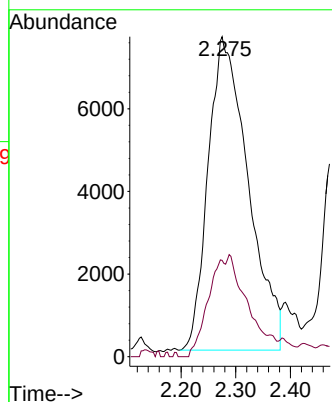
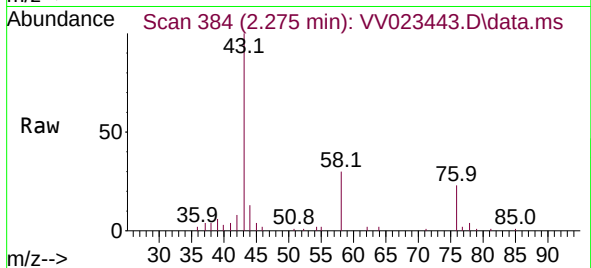
ClientSampleId :

Tgt Ion: 43 Resp: 38599

Ion Ratio Lower Upper

43 100

58 14.0 0.0 55.4



#14

Carbon disulfide

Concen: 3.577 ug/L

RT: 2.301 min Scan# 392

Delta R.T. 0.013 min

Lab File: VV023443.D

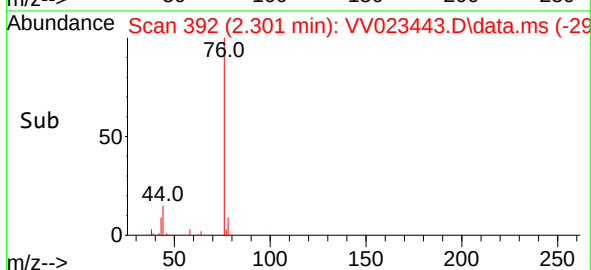
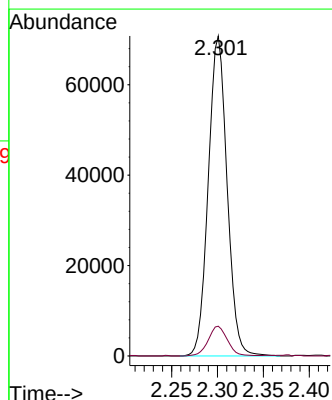
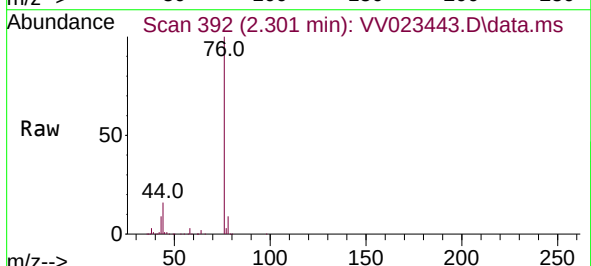
Acq: 12 Nov 2021 15:06

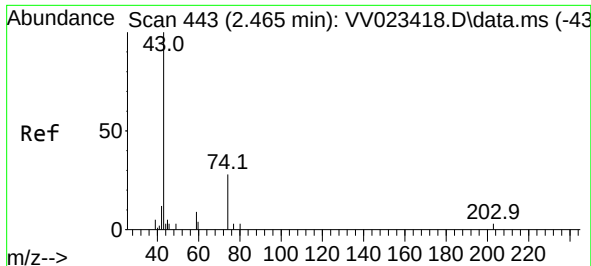
Tgt Ion: 76 Resp: 100755

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

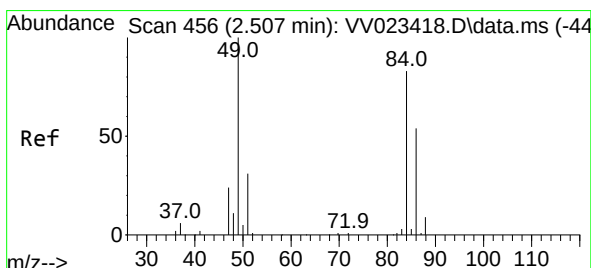
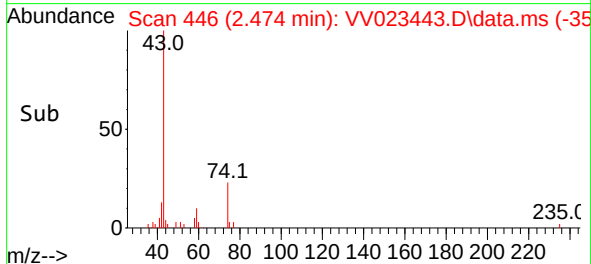
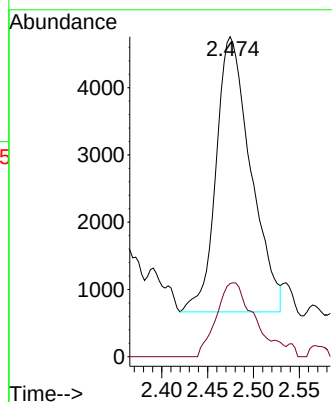
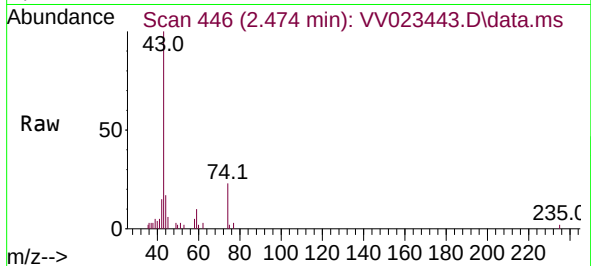




#15
Methyl Acetate
Concen: 4.609 ug/L
RT: 2.474 min Scan# 443
Delta R.T. 0.010 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

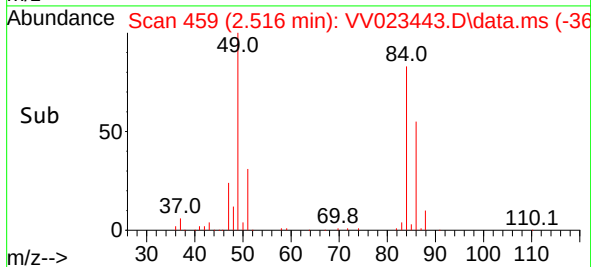
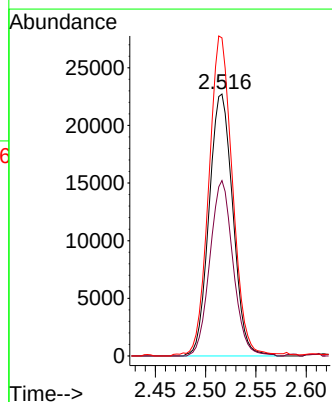
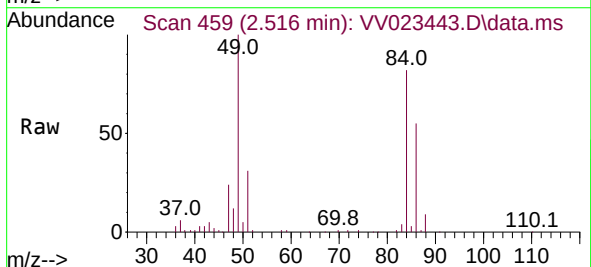
Instrument :
MSVOA_V
ClientSampleId :

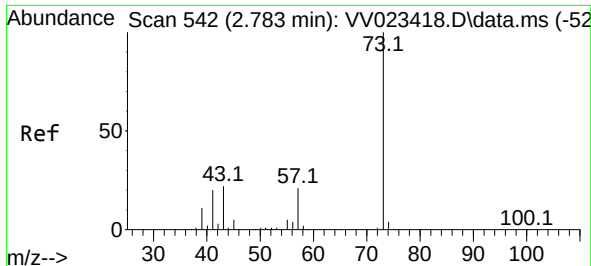
Tgt Ion: 43 Resp: 10767
Ion Ratio Lower Upper
43 100
74 29.6 22.2 33.2



#16
Methylene chloride
Concen: 3.431 ug/L
RT: 2.516 min Scan# 459
Delta R.T. 0.010 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

Tgt Ion: 84 Resp: 37367
Ion Ratio Lower Upper
84 100
86 66.9 42.3 78.5
49 121.4 79.7 148.1

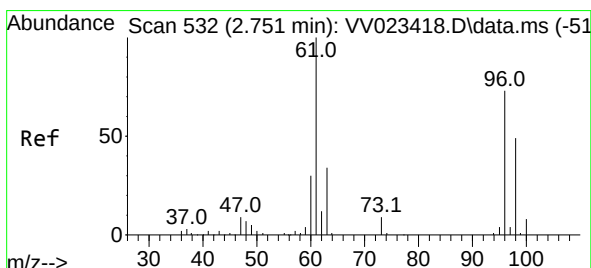
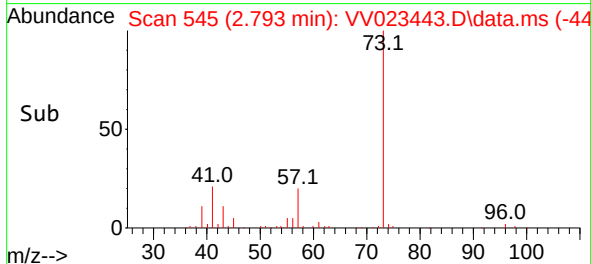
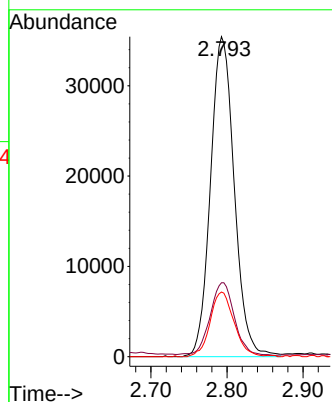
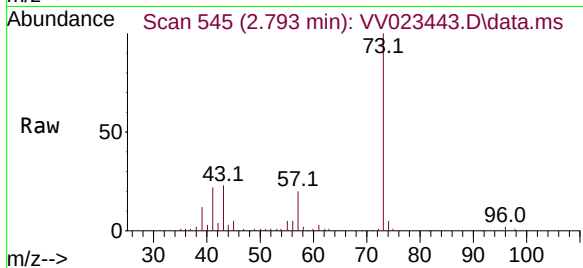




#17
Methyl tert-butyl Ether
Concen: 4.690 ug/L
RT: 2.793 min Scan# 54
Delta R.T. 0.010 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

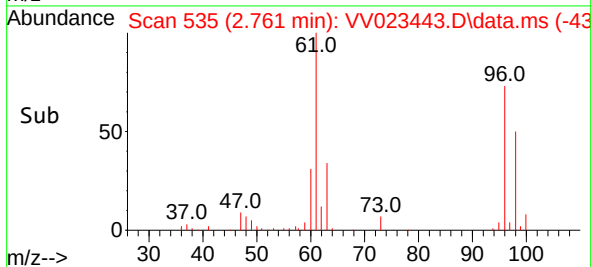
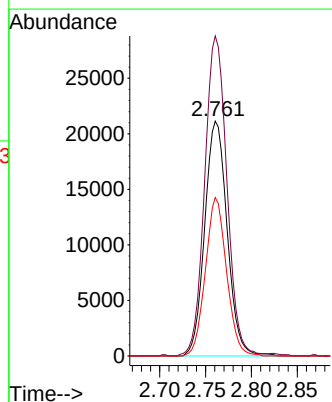
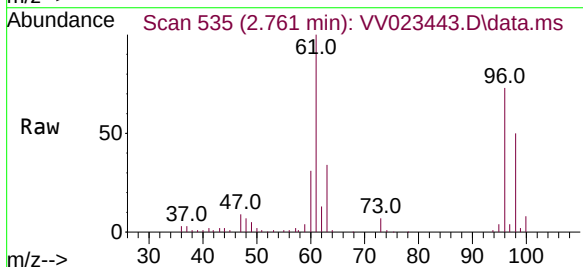
Instrument :
MSVOA_V
ClientSampleId :

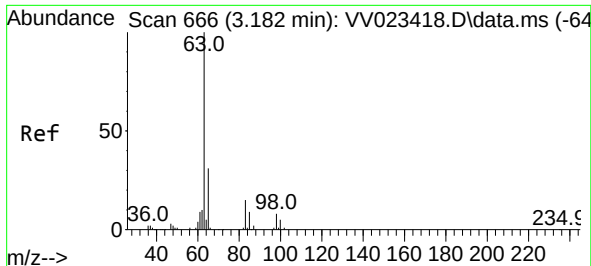
Tgt Ion: 73 Resp: 77062
Ion Ratio Lower Upper
73 100
43 23.2 17.4 26.0
57 20.3 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 3.929 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.010 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

Tgt Ion: 96 Resp: 36049
Ion Ratio Lower Upper
96 100
61 136.2 93.2 173.2
98 67.4 47.0 87.2





#19

1,1-Dichloroethane

Concen: 4.064 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.013 min

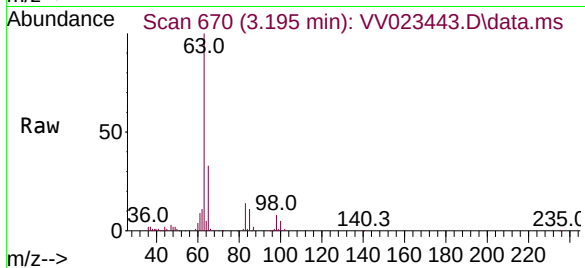
Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

ClientSampleId :



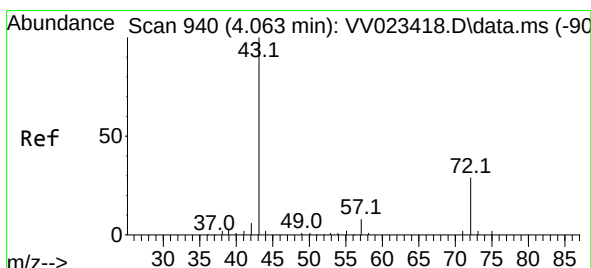
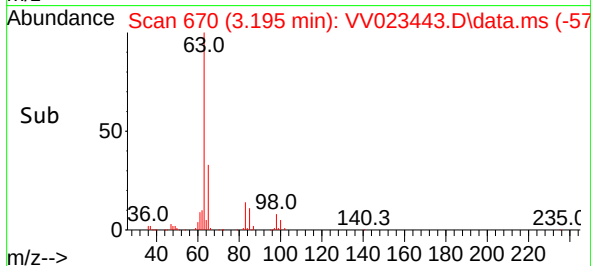
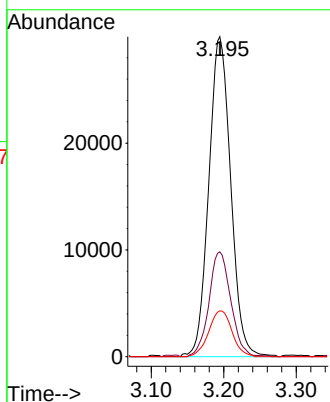
Tgt Ion: 63 Resp: 62962

Ion Ratio Lower Upper

63 100

65 32.8 22.6 42.0

83 14.3 11.1 20.7



#21

2-Butanone

Concen: 51.215 ug/L

RT: 4.072 min Scan# 943

Delta R.T. 0.010 min

Lab File: VV023443.D

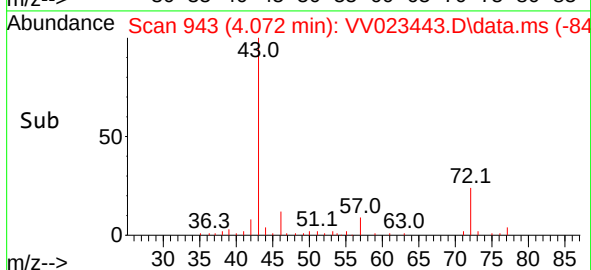
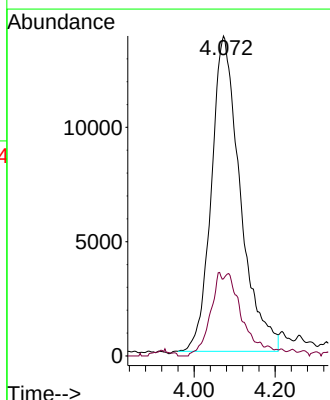
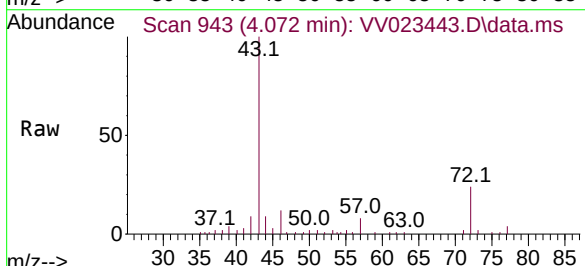
Acq: 12 Nov 2021 15:06

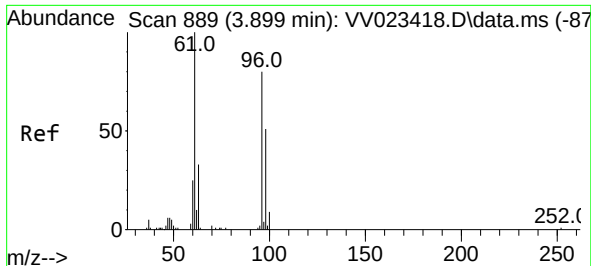
Tgt Ion: 43 Resp: 68344

Ion Ratio Lower Upper

43 100

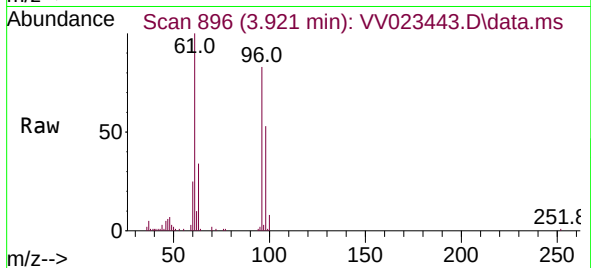
72 11.0 11.9 35.9#



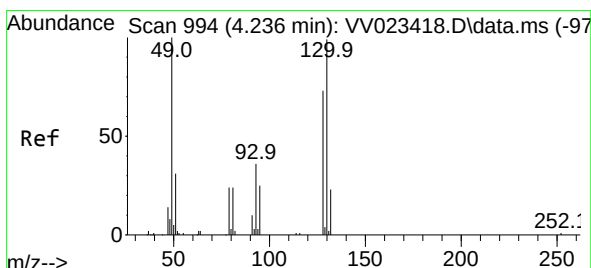
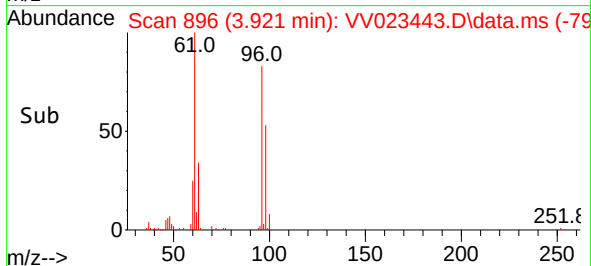
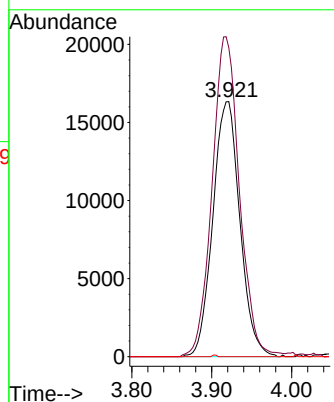


#22
 cis-1,2-Dichloroethene
 Concen: 4.341 ug/L
 RT: 3.921 min Scan# 891
 Delta R.T. 0.022 min
 Lab File: VV023443.D
 Acq: 12 Nov 2021 15:06

Instrument :
 MSVOA_V
 ClientSampleId :

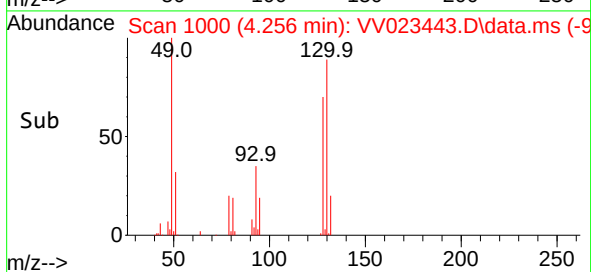
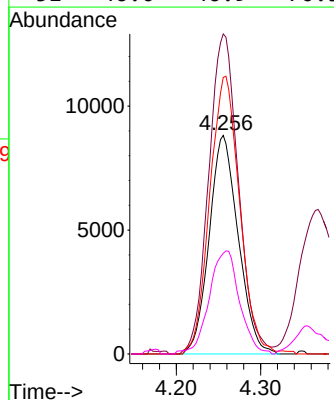
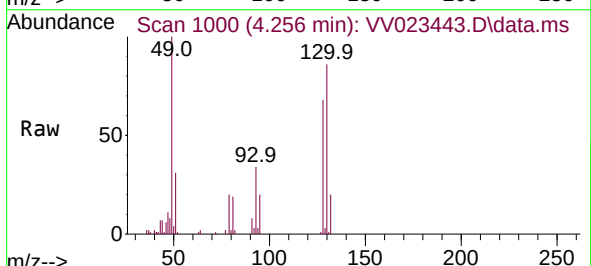


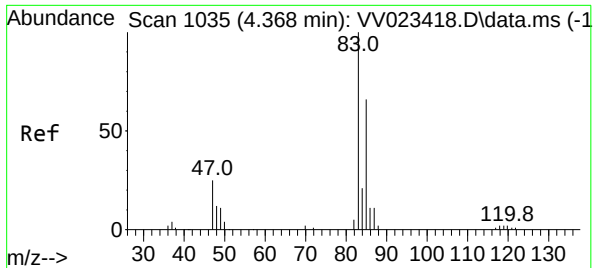
Tgt Ion: 96 Resp: 38331
 Ion Ratio Lower Upper
 96 100
 61 121.1 92.3 171.3
 68 0.0 0.4 0.8#



#23
 Bromochloromethane
 Concen: 5.182 ug/L
 RT: 4.256 min Scan# 1000
 Delta R.T. 0.019 min
 Lab File: VV023443.D
 Acq: 12 Nov 2021 15:06

Tgt Ion: 128 Resp: 21100
 Ion Ratio Lower Upper
 128 100
 49 146.4 126.1 234.3
 130 126.5 95.2 176.8
 51 46.0 46.9 70.3#

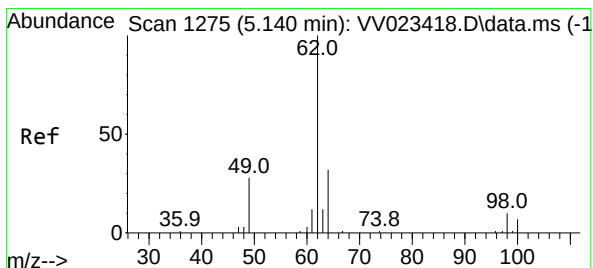
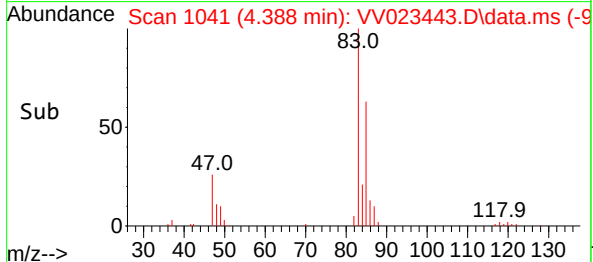
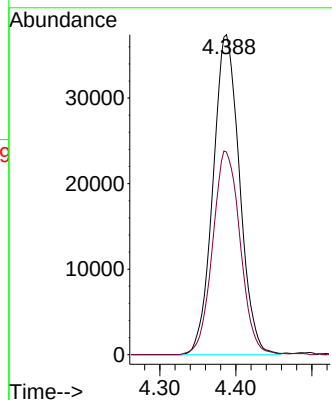
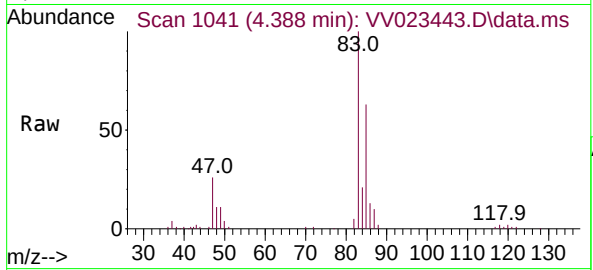




#25
Chloroform
Concen: 5.496 ug/L
RT: 4.388 min Scan# 1041
Delta R.T. 0.019 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

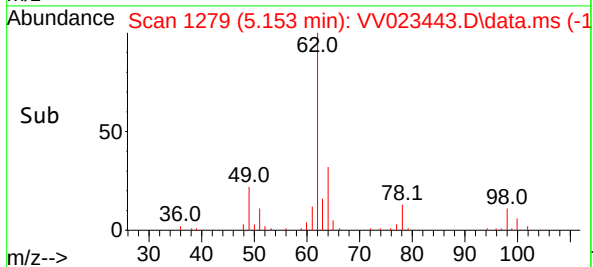
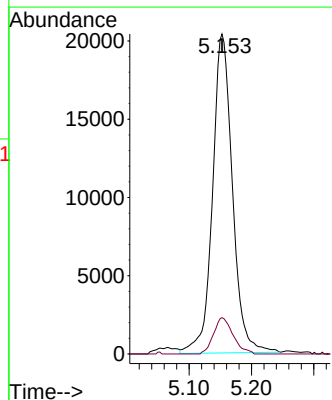
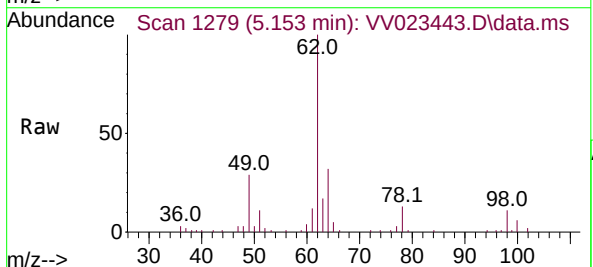
Instrument :
MSVOA_V
ClientSampleId :

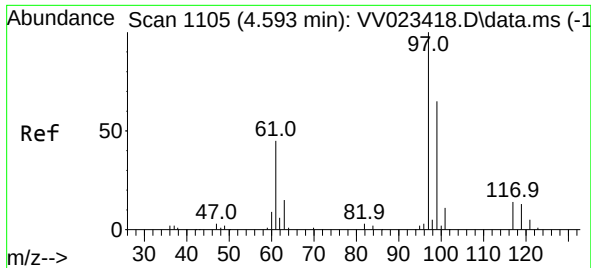
Tgt Ion: 83 Resp: 90758
Ion Ratio Lower Upper
83 100
85 63.4 46.8 86.8



#27
1,2-Dichloroethane
Concen: 5.149 ug/L
RT: 5.153 min Scan# 1279
Delta R.T. 0.013 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

Tgt Ion: 62 Resp: 45221
Ion Ratio Lower Upper
62 100
98 11.4 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 5.009 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.019 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

ClientSampleId :

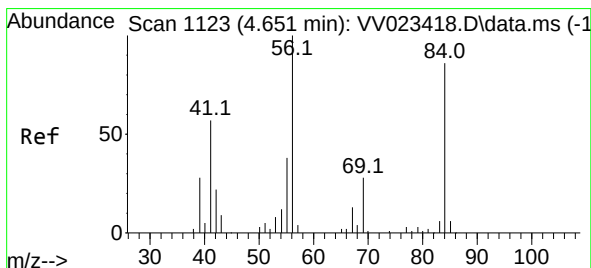
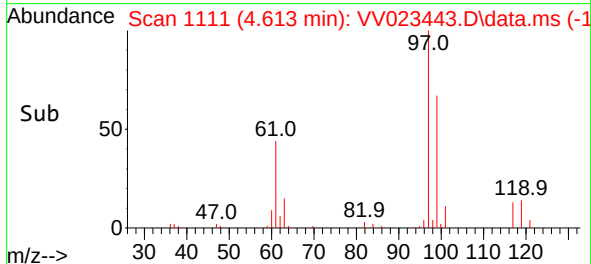
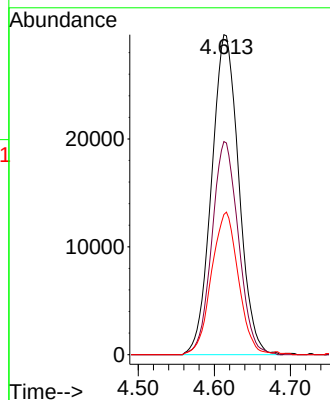
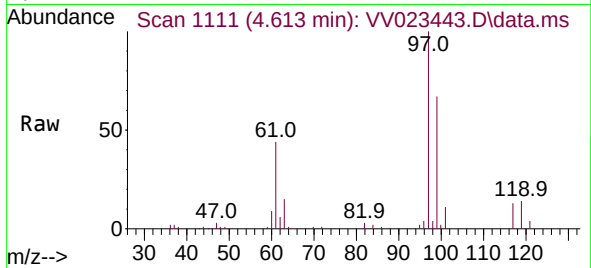
Tgt Ion: 97 Resp: 73823

Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.4

61 44.0 34.1 51.1



#30

Cyclohexane

Concen: 4.808 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.022 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

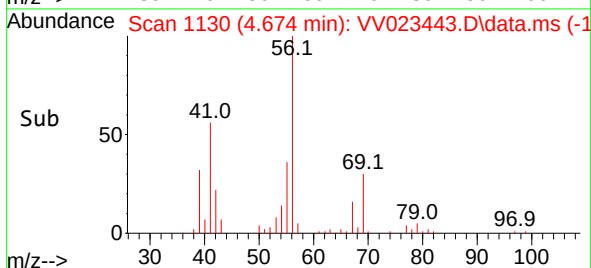
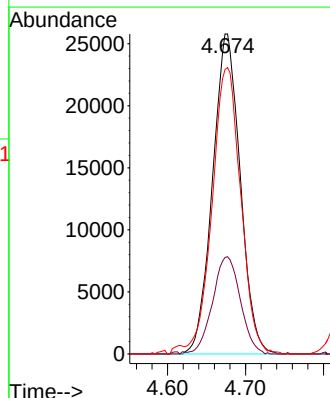
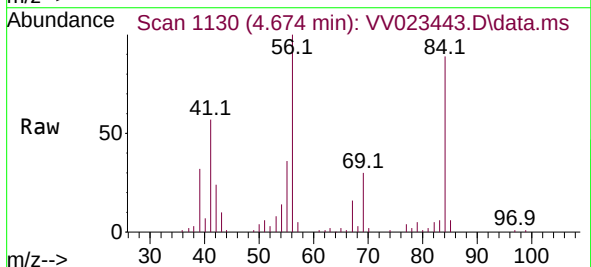
Tgt Ion: 56 Resp: 63483

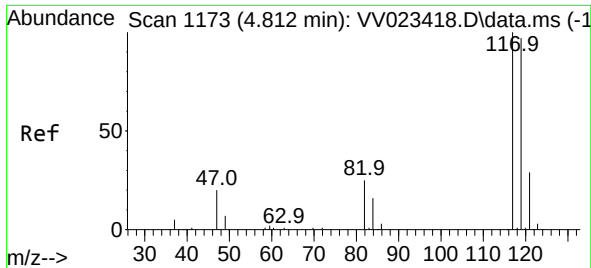
Ion Ratio Lower Upper

56 100

69 30.6 23.5 35.3

84 92.3 71.6 107.4

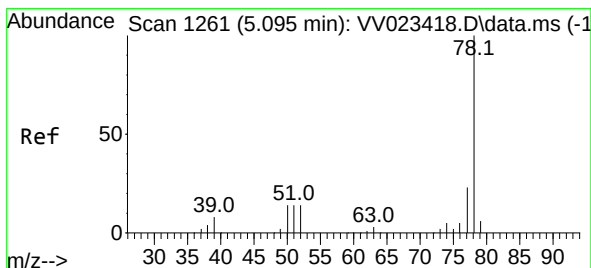
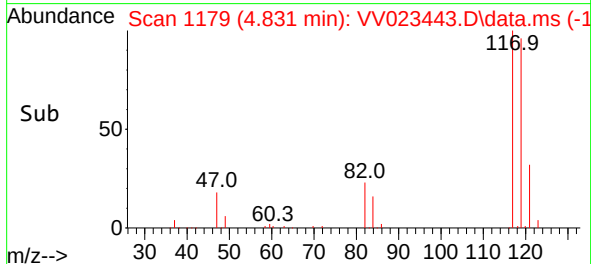
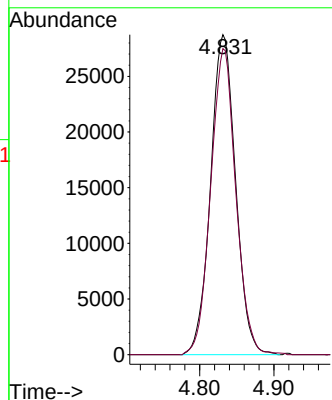
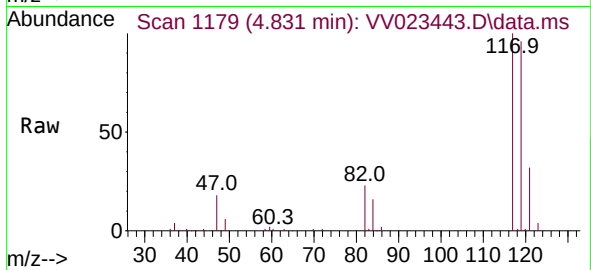




#31
Carbon tetrachloride
Concen: 5.094 ug/L
RT: 4.831 min Scan# 1173
Delta R.T. 0.019 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

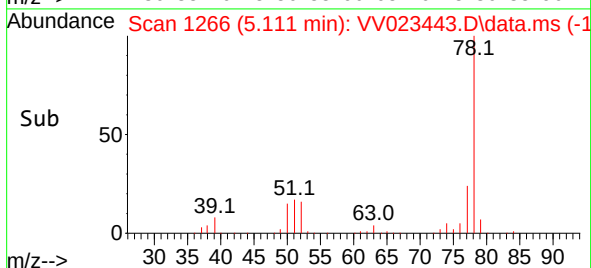
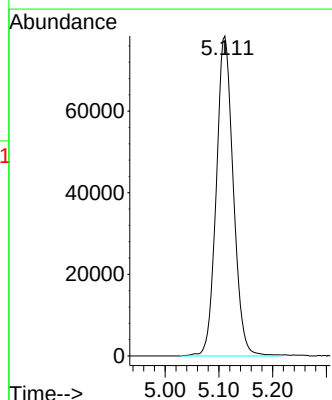
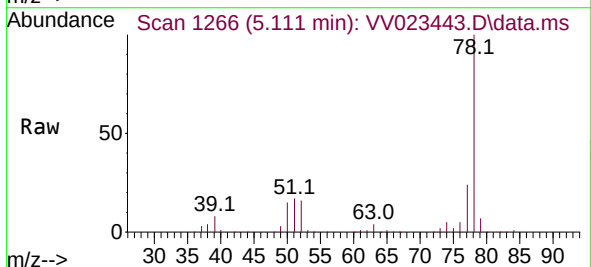
Instrument :
MSVOA_V
ClientSampleId :

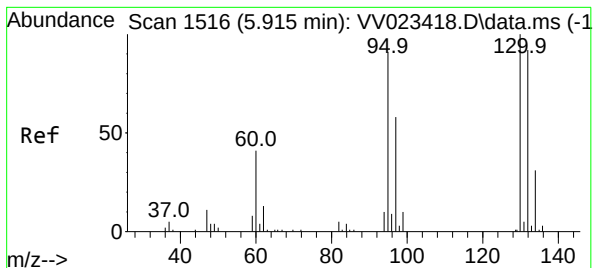
Tgt Ion:117 Resp: 67422
Ion Ratio Lower Upper
117 100
119 96.0 78.8 118.2



#33
Benzene
Concen: 5.079 ug/L
RT: 5.111 min Scan# 1266
Delta R.T. 0.016 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

Tgt Ion: 78 Resp: 172250





#34

Trichloroethene

Concen: 4.916 ug/L

RT: 5.934 min Scan# 1

Delta R.T. 0.019 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 44334

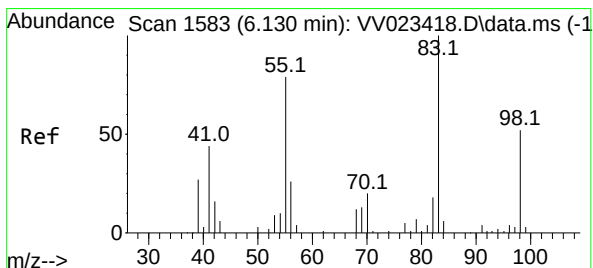
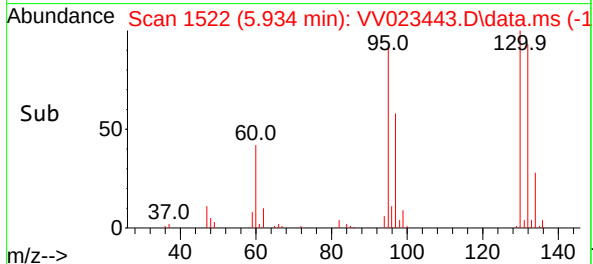
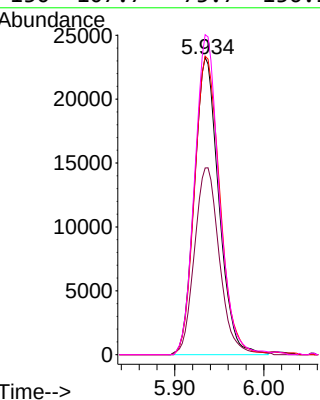
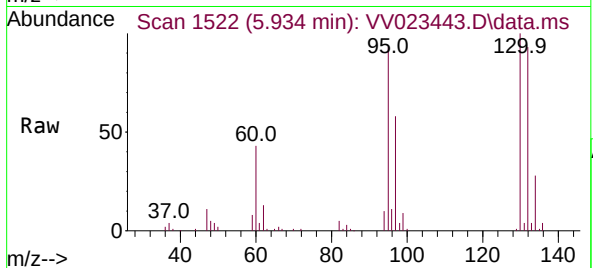
Ion Ratio Lower Upper

95 100

97 62.9 45.0 83.6

132 100.5 69.7 129.4

130 107.7 73.7 136.9



#35

Methylcyclohexane

Concen: 4.744 ug/L

RT: 6.146 min Scan# 1588

Delta R.T. 0.016 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

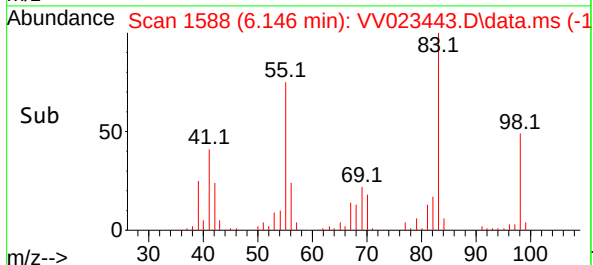
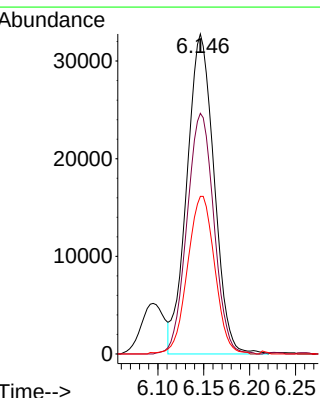
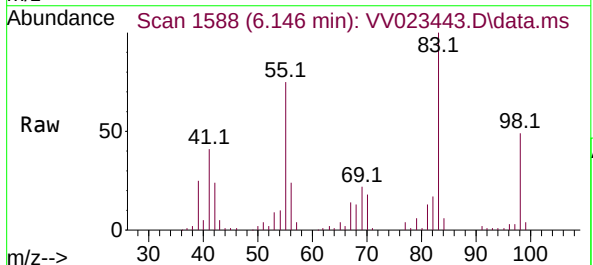
Tgt Ion: 83 Resp: 67524

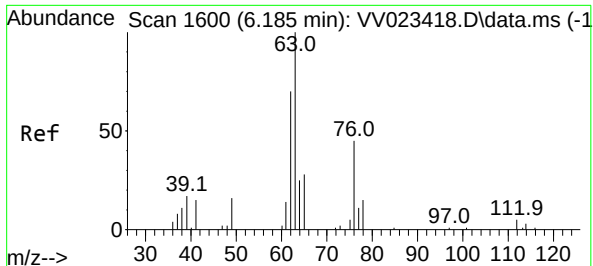
Ion Ratio Lower Upper

83 100

55 74.6 62.8 94.2

98 49.3 37.9 56.9





#37

1,2-Dichloropropane

Concen: 5.247 ug/L

RT: 6.198 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

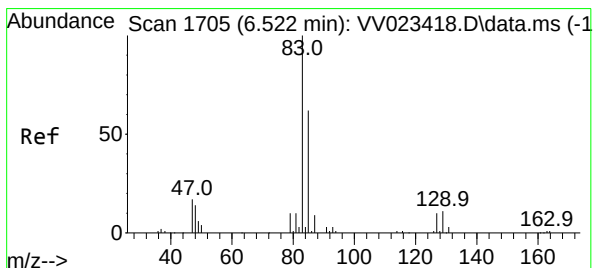
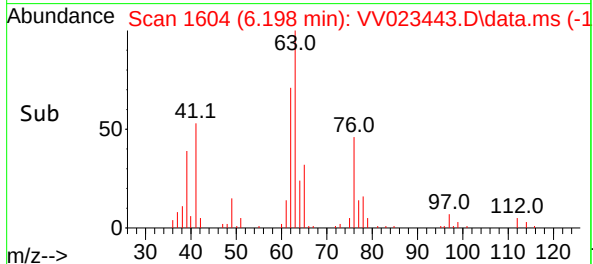
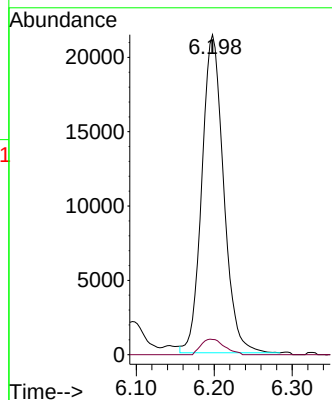
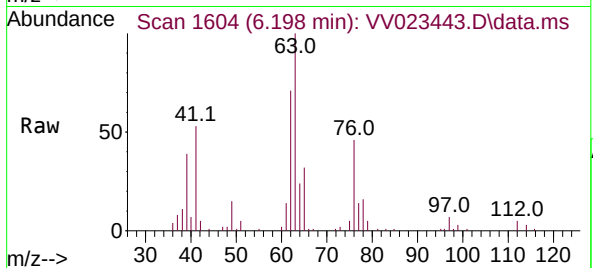
ClientSampleId :

Tgt Ion: 63 Resp: 41545

Ion Ratio Lower Upper

63 100

112 5.3 4.6 6.8



#38

Bromodichloromethane

Concen: 5.056 ug/L

RT: 6.529 min Scan# 1707

Delta R.T. 0.006 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

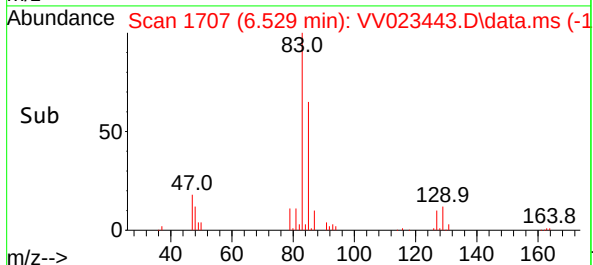
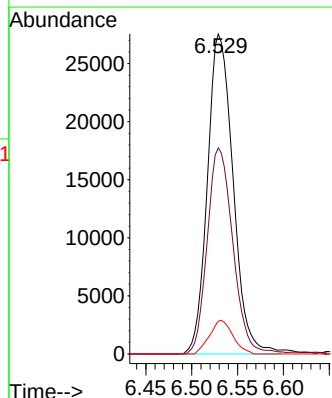
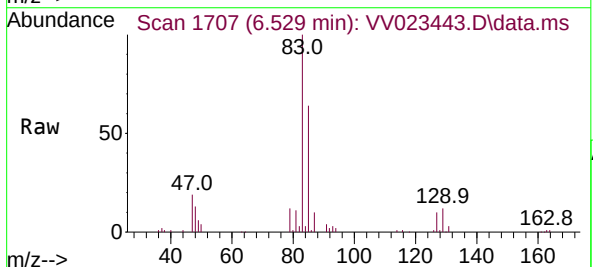
Tgt Ion: 83 Resp: 53640

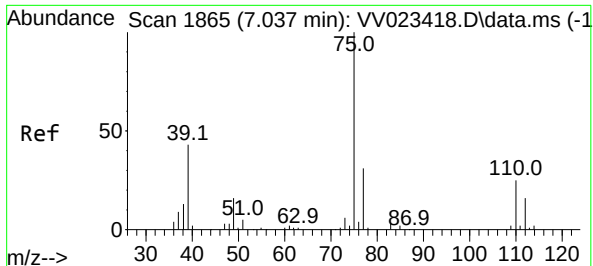
Ion Ratio Lower Upper

83 100

85 64.4 46.1 85.7

127 10.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.741 ug/L

RT: 7.043 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

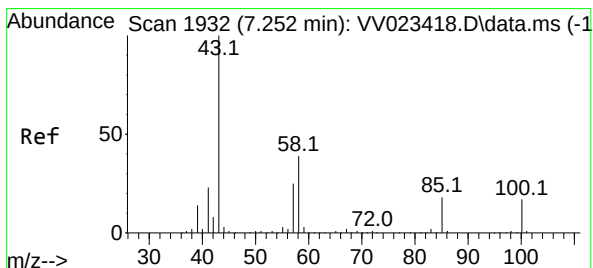
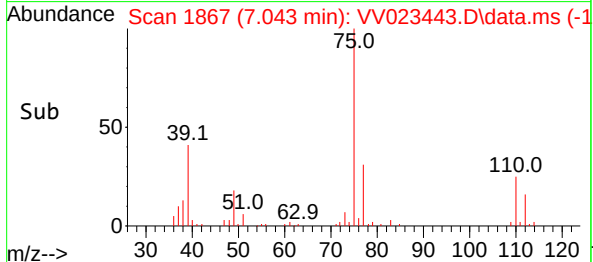
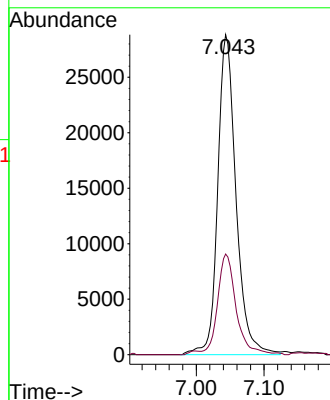
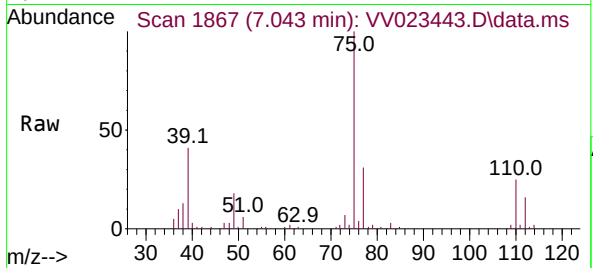
ClientSampleId :

Tgt Ion: 75 Resp: 53982

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 55.647 ug/L

RT: 7.256 min Scan# 1933

Delta R.T. 0.003 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

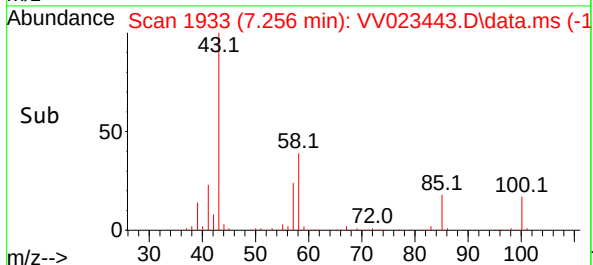
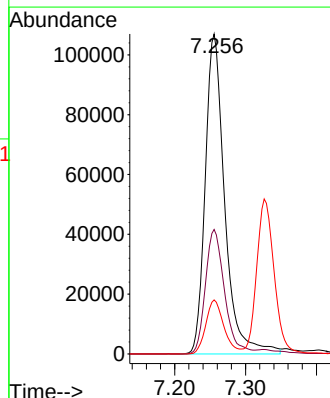
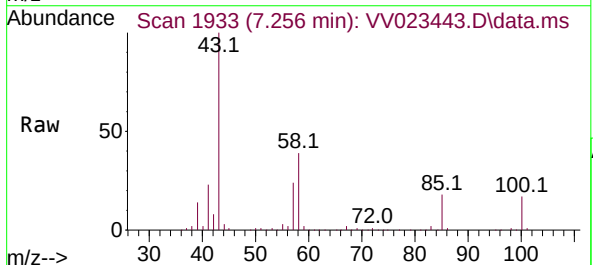
Tgt Ion: 43 Resp: 204331

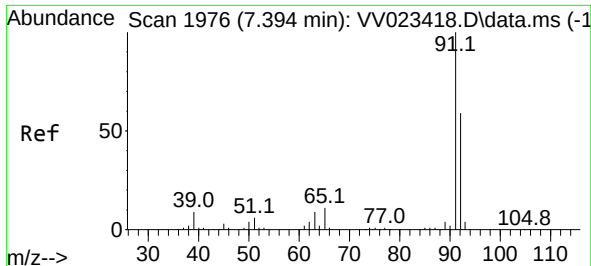
Ion Ratio Lower Upper

43 100

58 38.1 31.1 46.7

100 15.7 12.6 19.0





#42

Toluene

Concen: 5.272 ug/L

RT: 7.400 min Scan# 19

Delta R.T. 0.006 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

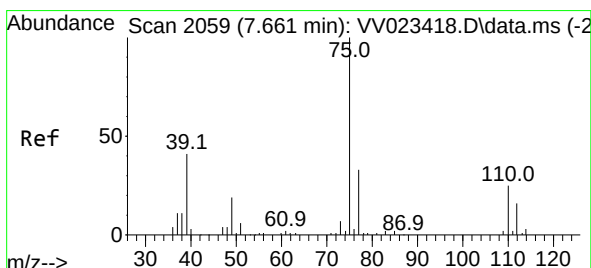
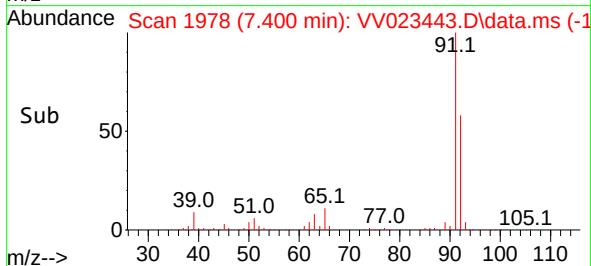
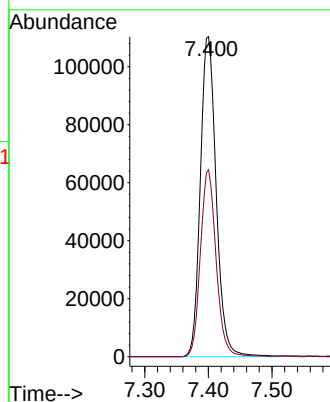
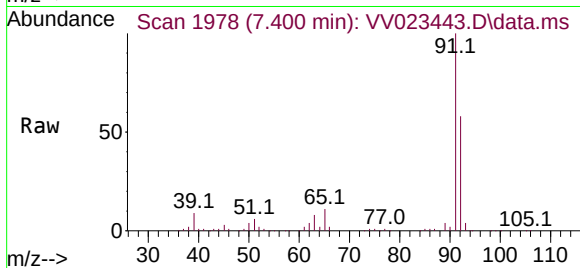
ClientSampleId :

Tgt Ion: 91 Resp: 191216

Ion Ratio Lower Upper

91 100

92 58.4 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 4.993 ug/L

RT: 7.664 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VV023443.D

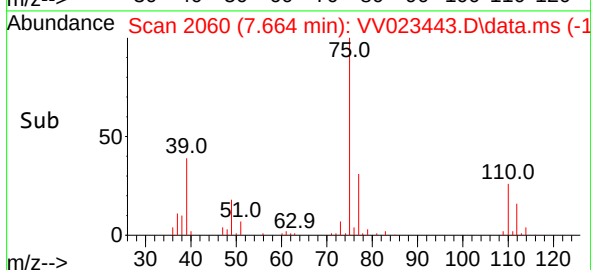
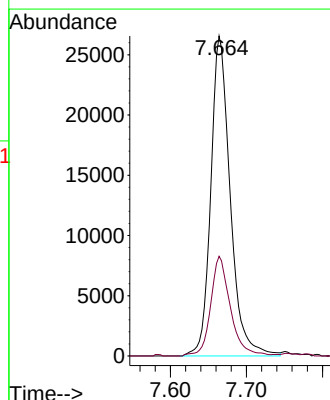
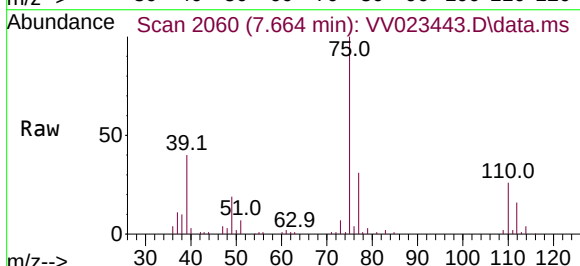
Acq: 12 Nov 2021 15:06

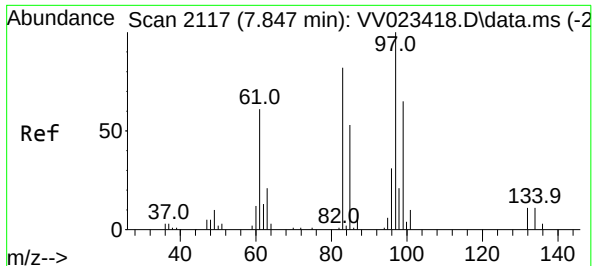
Tgt Ion: 75 Resp: 47179

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 5.066 ug/L

RT: 7.854 min Scan# 2119

Delta R.T. 0.006 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 28820

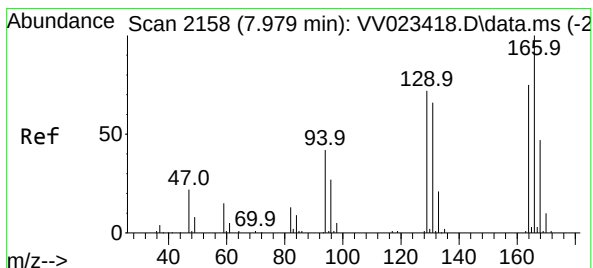
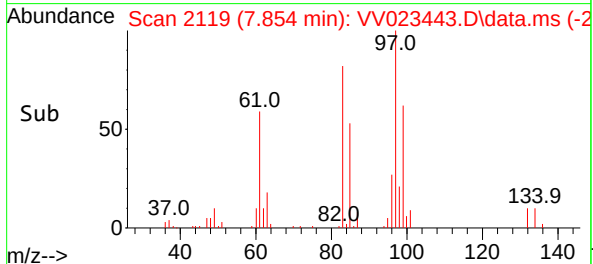
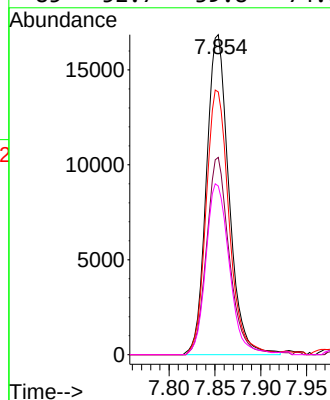
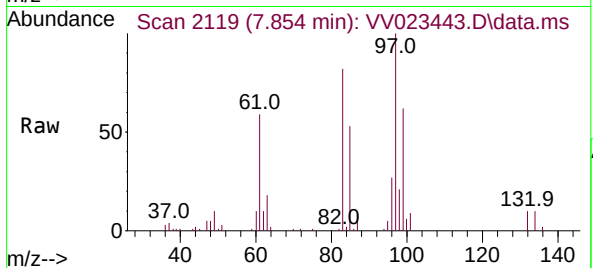
Ion Ratio Lower Upper

97 100

99 61.6 43.6 81.0

83 82.1 58.4 108.4

85 52.7 39.8 74.0



#47

Tetrachloroethene

Concen: 5.073 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.003 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Tgt Ion: 164 Resp: 39648

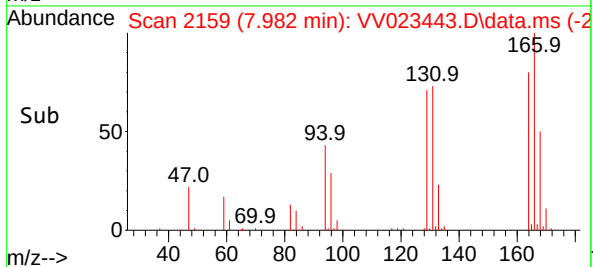
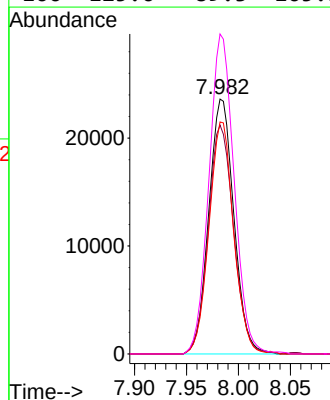
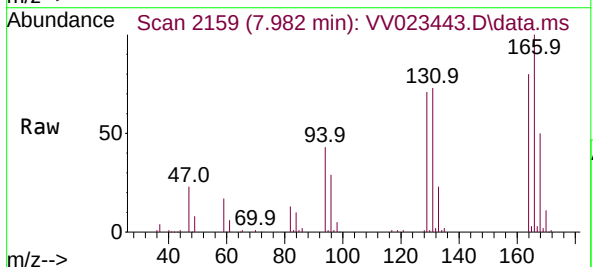
Ion Ratio Lower Upper

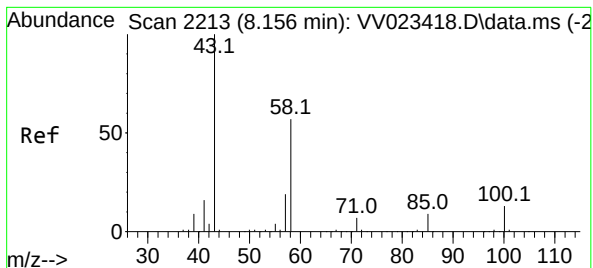
164 100

129 89.8 64.0 119.0

131 91.1 63.4 117.8

166 125.6 89.3 165.9





#48

2-Hexanone

Concen: 58.959 ug/L

RT: 8.159 min Scan# 2214

Delta R.T. 0.003 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 151700

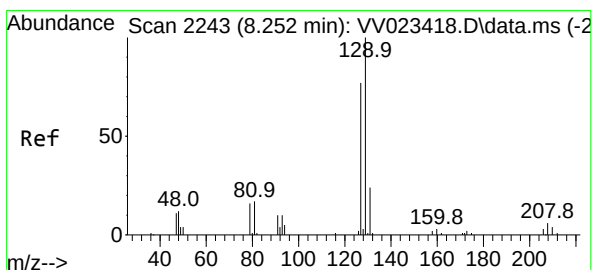
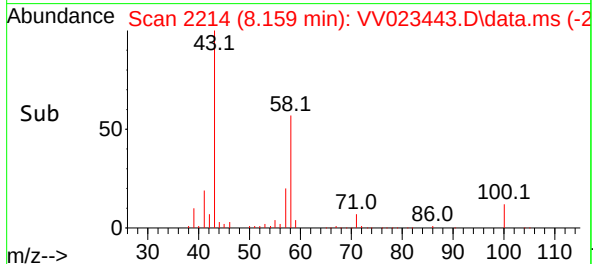
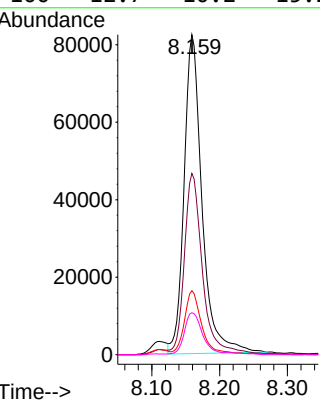
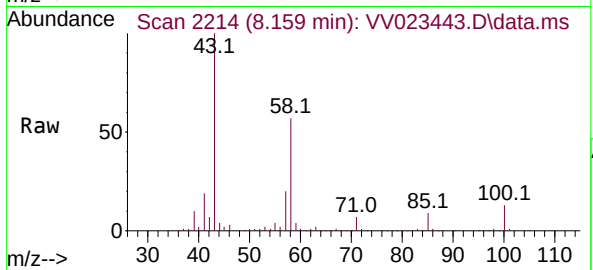
Ion Ratio Lower Upper

43 100

58 56.7 43.7 65.5

57 18.9 14.1 21.1

100 12.7 10.2 15.2



#49

Dibromochloromethane

Concen: 5.239 ug/L

RT: 8.256 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VV023443.D

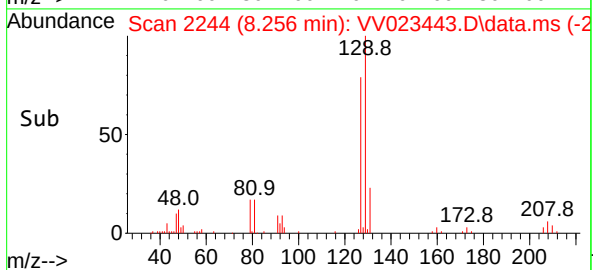
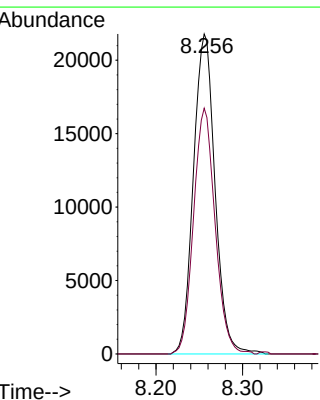
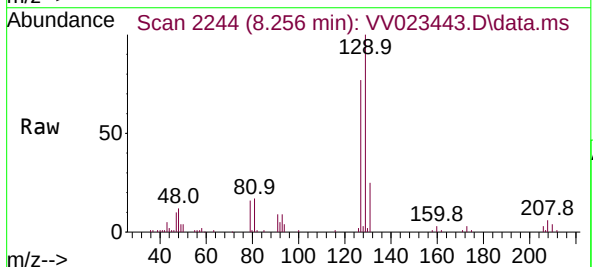
Acq: 12 Nov 2021 15:06

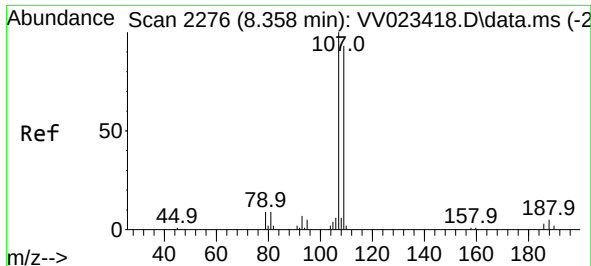
Tgt Ion:129 Resp: 37759

Ion Ratio Lower Upper

129 100

127 76.8 54.7 101.7





#50

1,2-Dibromoethane

Concen: 5.337 ug/L

RT: 8.362 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV023443.D

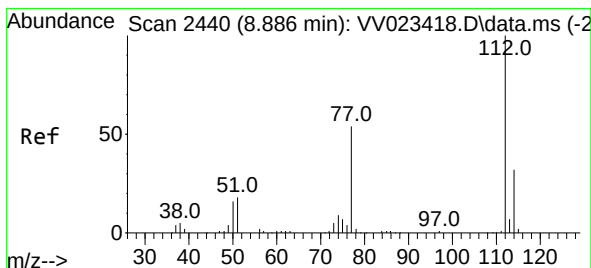
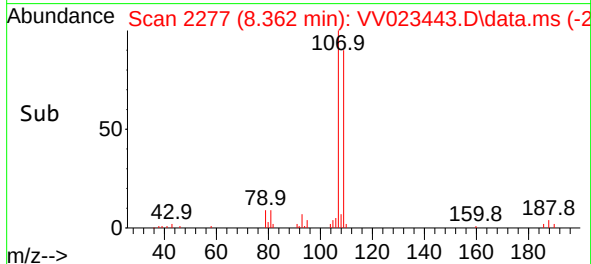
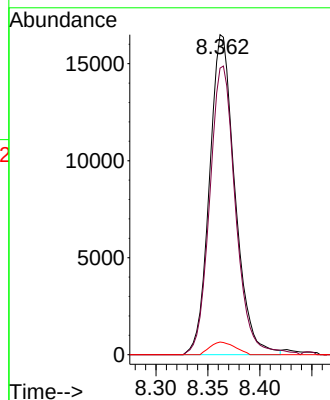
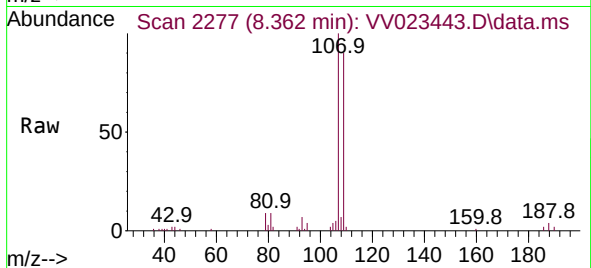
Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	28137
Ion	Ratio	Lower	Upper
107	100		
109	89.5	64.7	120.1
188	3.9	3.6	5.4



#51

Chlorobenzene

Concen: 4.895 ug/L

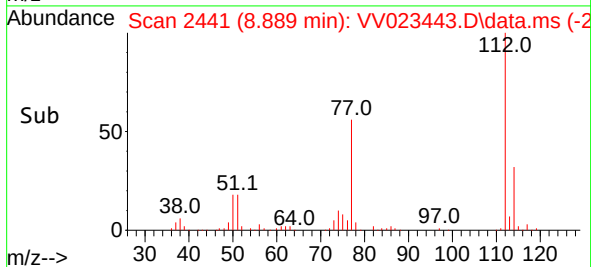
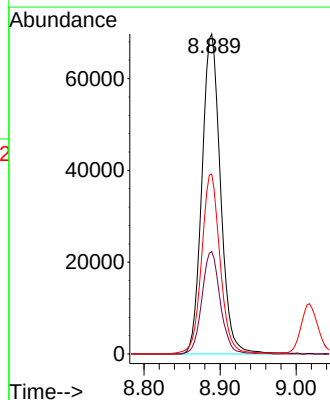
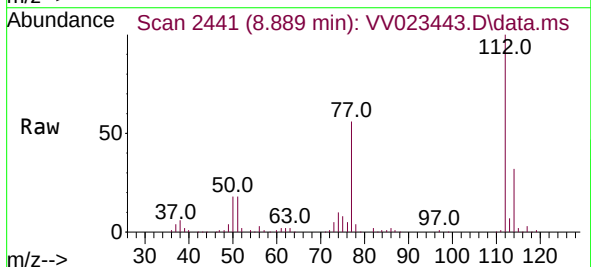
RT: 8.889 min Scan# 2441

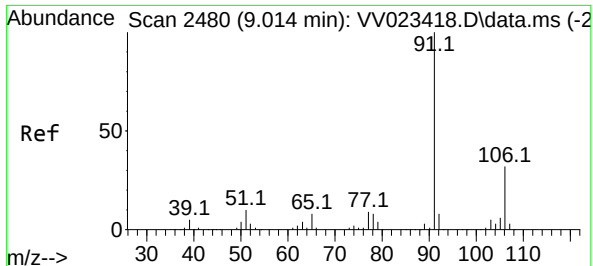
Delta R.T. 0.003 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Tgt Ion:	112	Resp:	118014
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.0	40.8
77	56.2	44.4	66.6





#52

Ethylbenzene

Concen: 4.869 ug/L

RT: 9.018 min Scan# 24

Delta R.T. 0.003 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

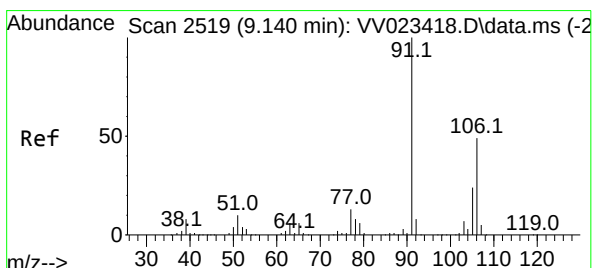
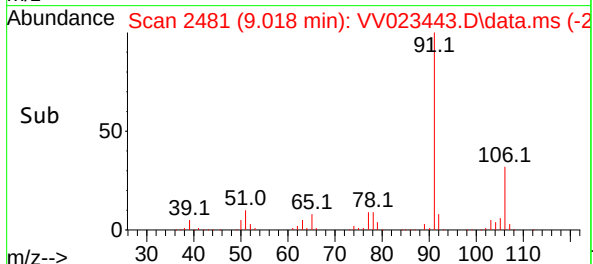
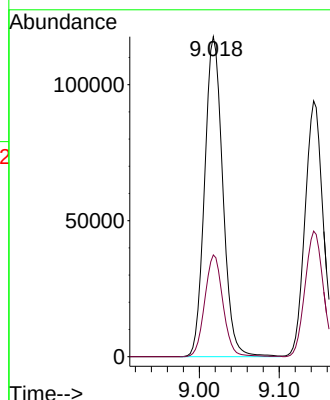
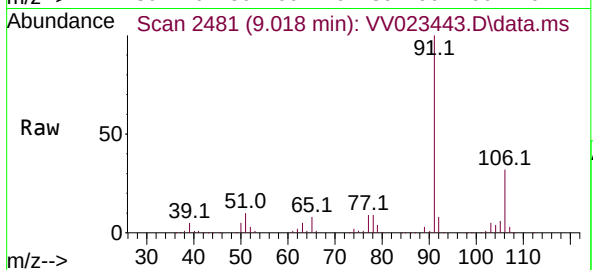
ClientSampleId :

Tgt Ion: 91 Resp: 186277

Ion Ratio Lower Upper

91 100

106 31.8 22.5 41.9



#53

m,p-xylene

Concen: 4.995 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.003 min

Lab File: VV023443.D

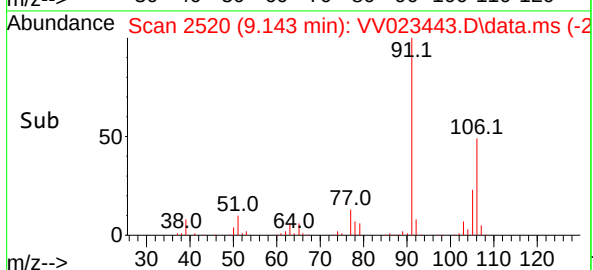
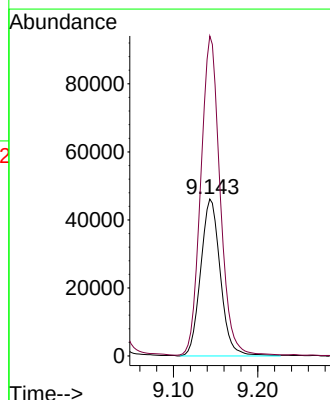
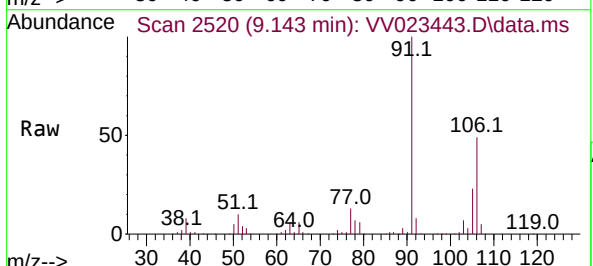
Acq: 12 Nov 2021 15:06

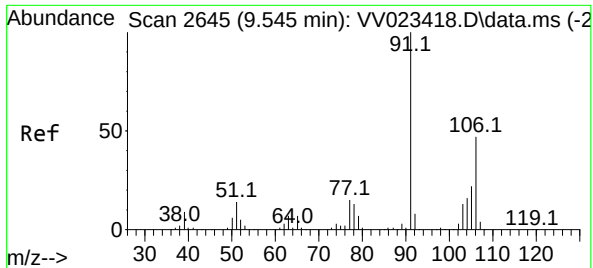
Tgt Ion:106 Resp: 75003

Ion Ratio Lower Upper

106 100

91 203.8 137.2 254.8

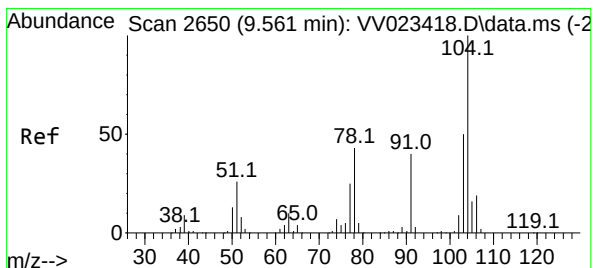
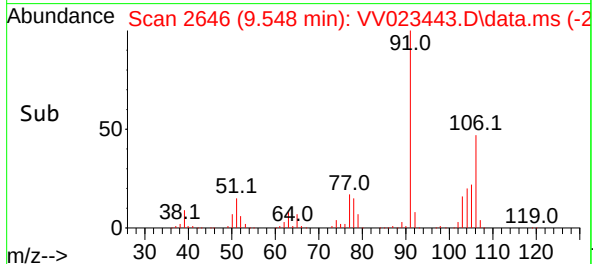
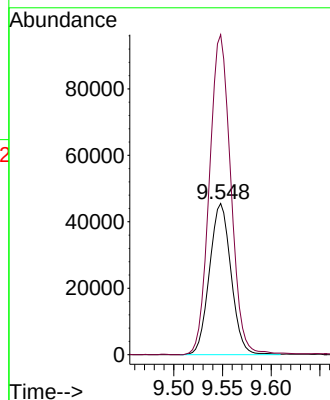
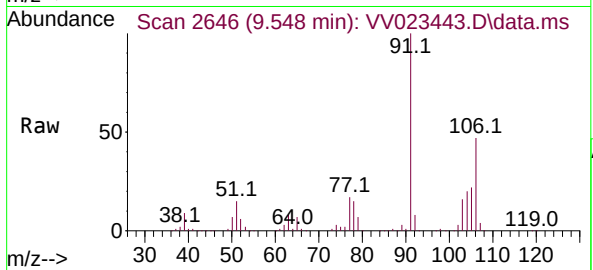




#54
o-xylene
Concen: 4.972 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.003 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

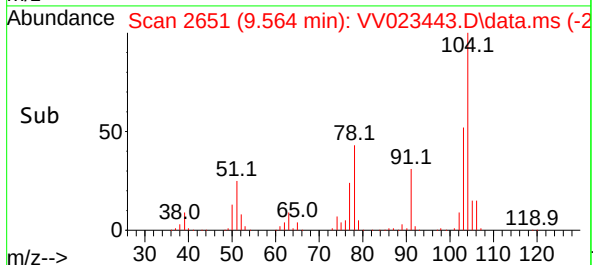
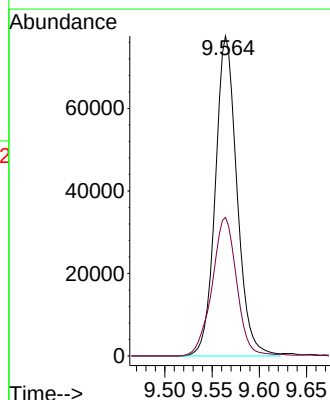
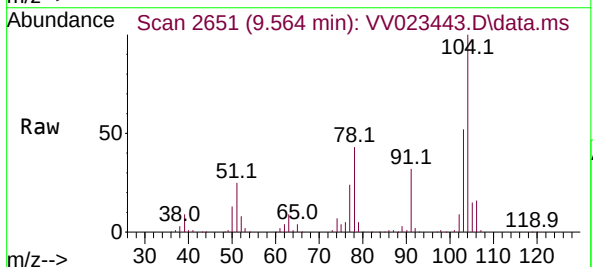
Instrument :
MSVOA_V
ClientSampleId :

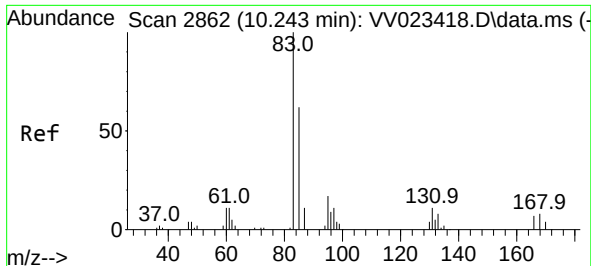
Tgt Ion:106 Resp: 70034
Ion Ratio Lower Upper
106 100
91 211.5 148.3 275.5



#55
Styrene
Concen: 5.127 ug/L
RT: 9.564 min Scan# 2651
Delta R.T. 0.003 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

Tgt Ion:104 Resp: 123704
Ion Ratio Lower Upper
104 100
78 43.3 29.3 54.3

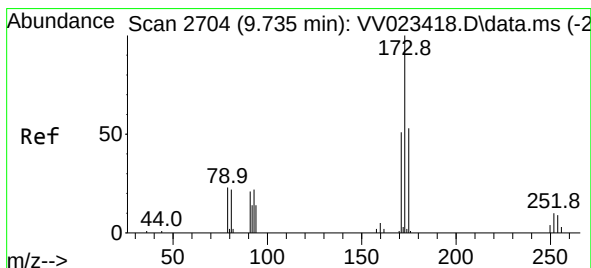
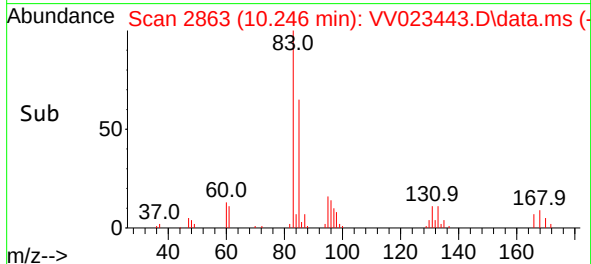
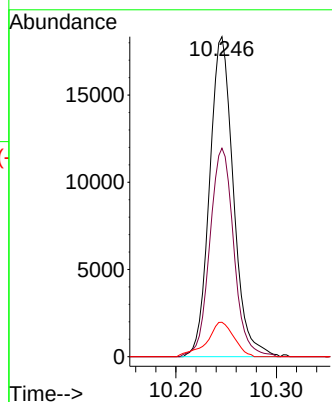
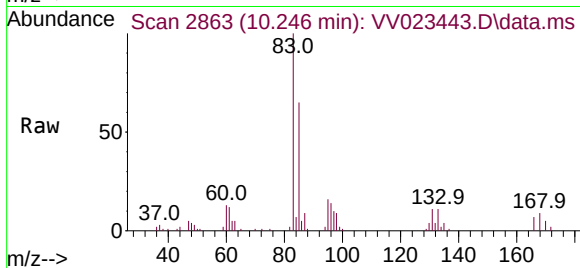




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.842 ug/L
 RT: 10.246 min Scan# 2863
 Delta R.T. 0.003 min
 Lab File: VV023443.D
 Acq: 12 Nov 2021 15:06

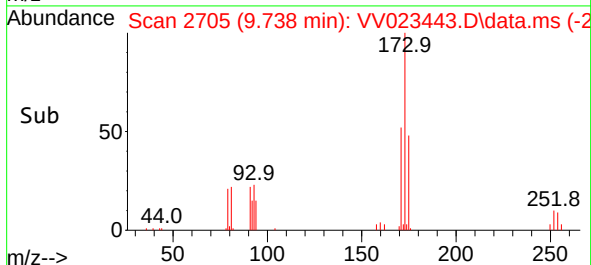
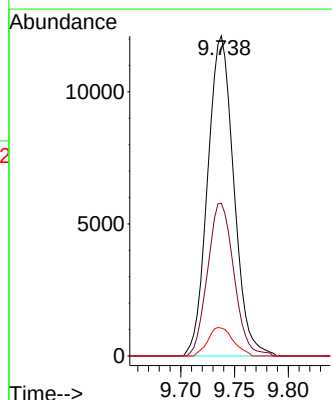
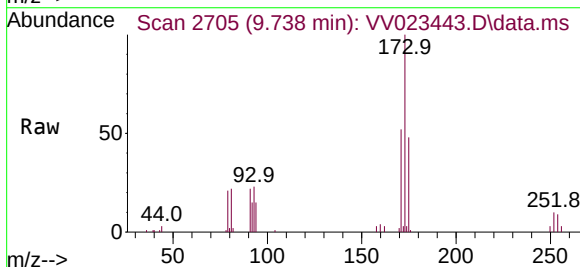
Instrument :
 MSVOA_V
 ClientSampleId :

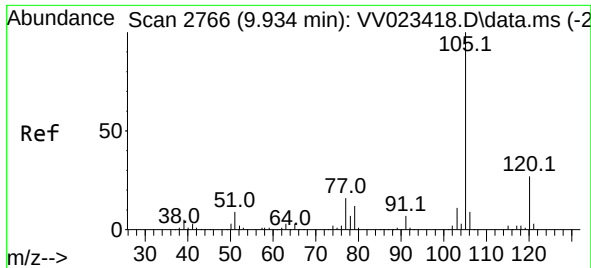
Tgt Ion: 83	Resp:	30176
Ion Ratio	Lower	Upper
83	100	
85	65.1	45.1 83.9
131	10.8	7.8 11.6



#59
 Bromoform
 Concen: 5.087 ug/L
 RT: 9.738 min Scan# 2705
 Delta R.T. 0.003 min
 Lab File: VV023443.D
 Acq: 12 Nov 2021 15:06

Tgt Ion: 173	Resp:	20495
Ion Ratio	Lower	Upper
173	100	
175	48.1	38.2 57.2
254	8.6	6.2 9.2

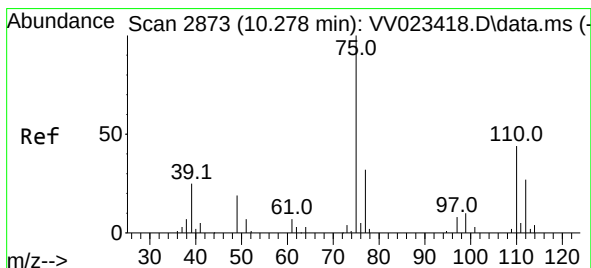
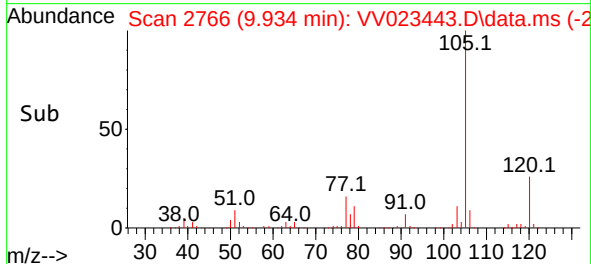
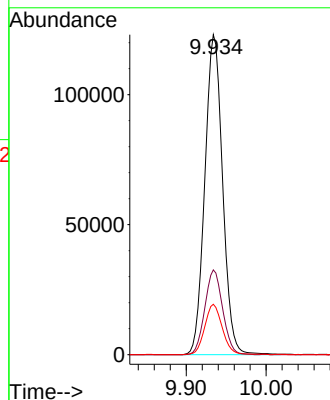
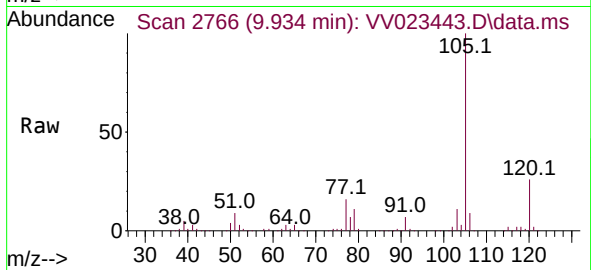




#60
Isopropylbenzene
Concen: 4.928 ug/L
RT: 9.934 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

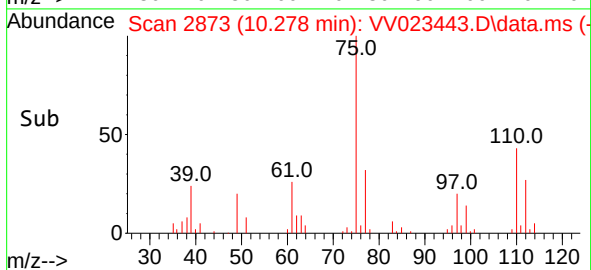
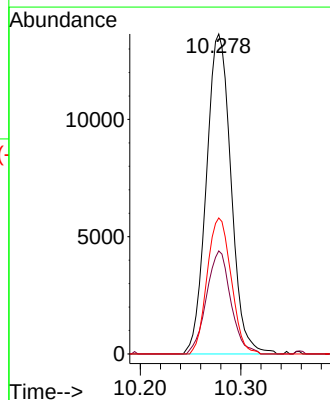
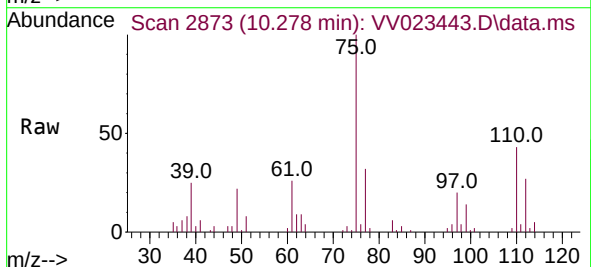
Instrument :
MSVOA_V
ClientSampleId :

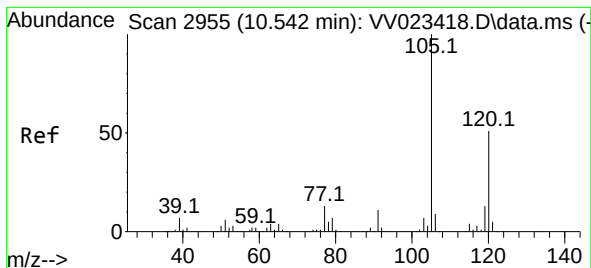
Tgt Ion:105 Resp: 190752
Ion Ratio Lower Upper
105 100
120 26.5 21.7 32.5
77 15.6 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.185 ug/L
RT: 10.278 min Scan# 2873
Delta R.T. -0.000 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

Tgt Ion: 75 Resp: 23230
Ion Ratio Lower Upper
75 100
77 31.8 26.6 39.8
110 41.4 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.629 ug/L

RT: 10.542 min Scan# 2955

Delta R.T. -0.000 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

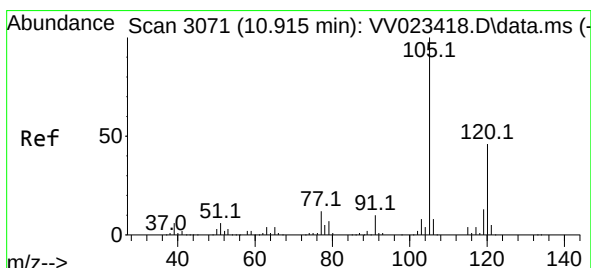
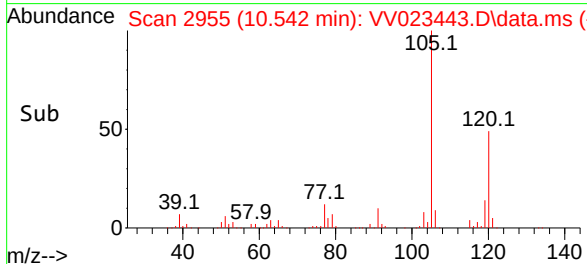
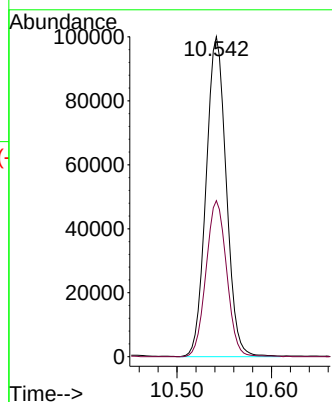
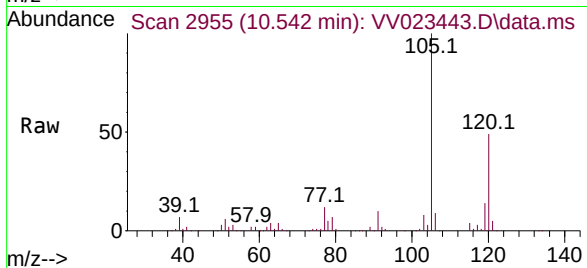
ClientSampleId :

Tgt Ion:105 Resp: 148569

Ion Ratio Lower Upper

105 100

120 49.7 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 4.773 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. -0.000 min

Lab File: VV023443.D

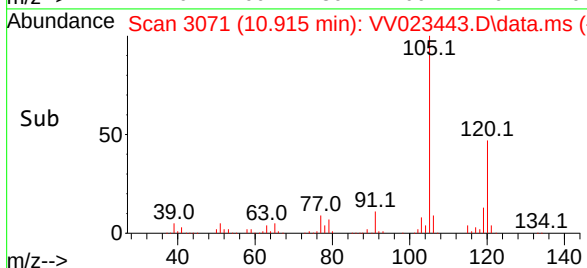
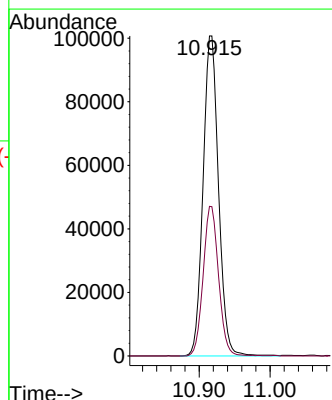
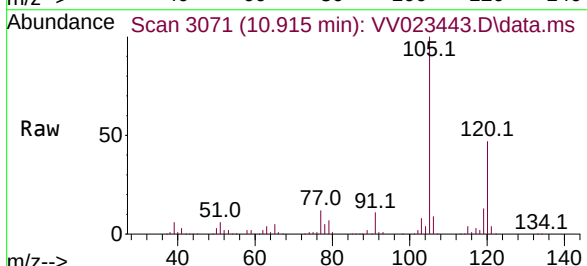
Acq: 12 Nov 2021 15:06

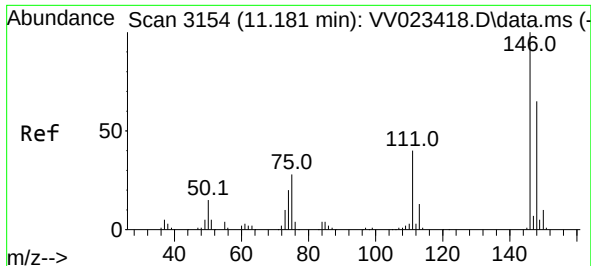
Tgt Ion:105 Resp: 152462

Ion Ratio Lower Upper

105 100

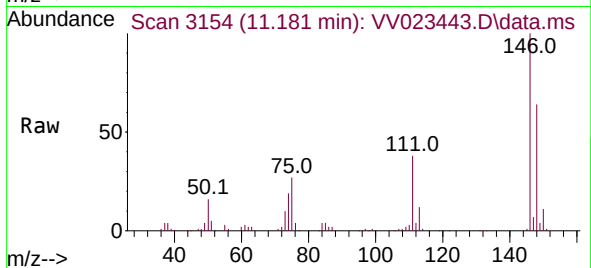
120 46.6 37.4 56.2



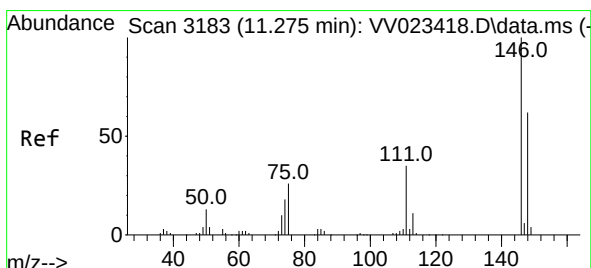
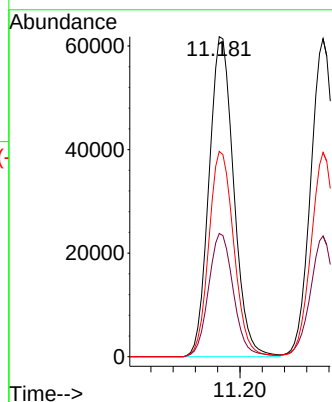
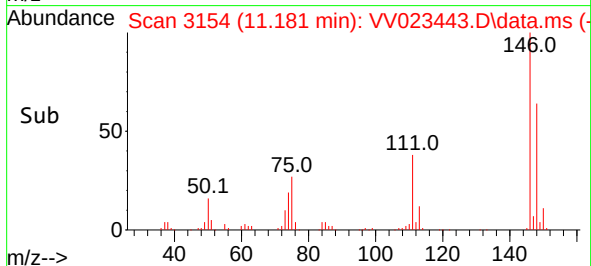


#64
1,3-Dichlorobenzene
Concen: 4.820 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. -0.000 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

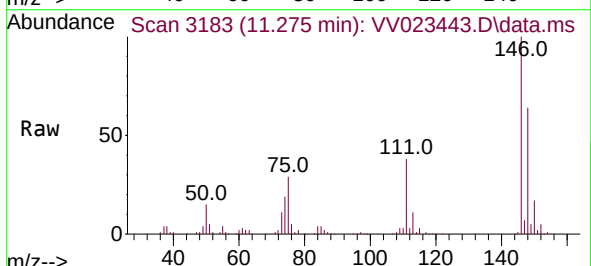
Instrument :
MSVOA_V
ClientSampleId :



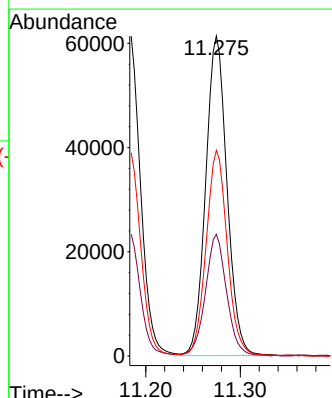
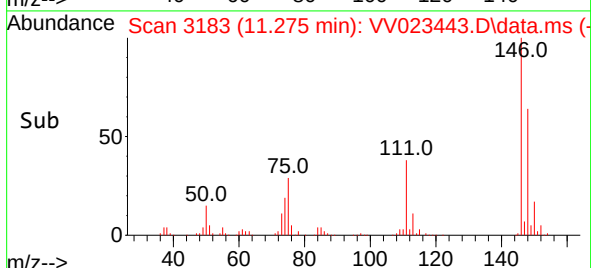
Tgt Ion:146 Resp: 95323
Ion Ratio Lower Upper
146 100
111 38.5 26.7 49.7
148 64.1 42.9 79.7

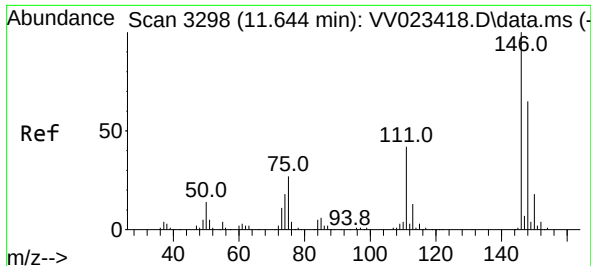


#65
1,4-Dichlorobenzene
Concen: 4.749 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. -0.000 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06



Tgt Ion:146 Resp: 95917
Ion Ratio Lower Upper
146 100
111 38.0 26.2 48.8
148 64.2 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 4.953 ug/L

RT: 11.644 min Scan# 3298

Delta R.T. -0.000 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

Instrument :

MSVOA_V

ClientSampleId :

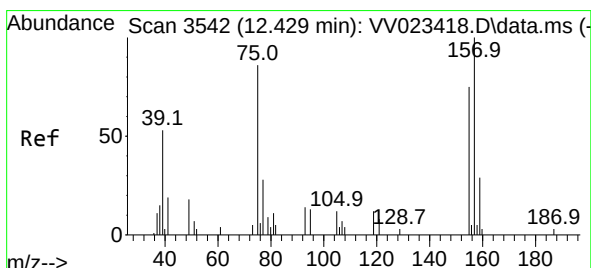
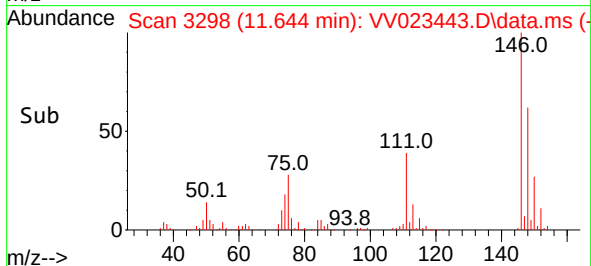
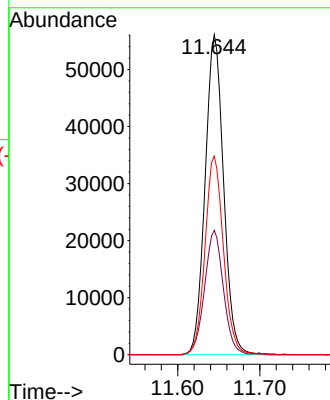
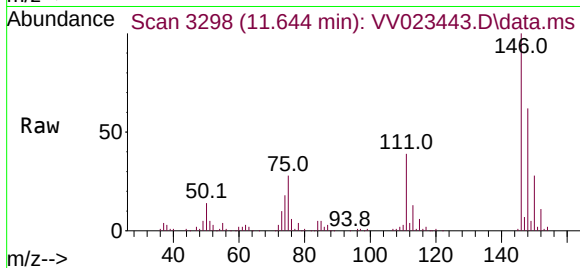
Tgt Ion:146 Resp: 87645

Ion Ratio Lower Upper

146 100

111 38.9 31.6 47.4

148 62.0 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.624 ug/L

RT: 12.429 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VV023443.D

Acq: 12 Nov 2021 15:06

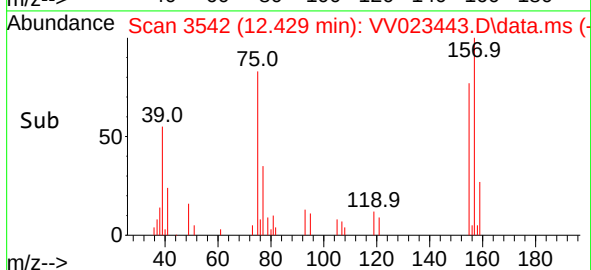
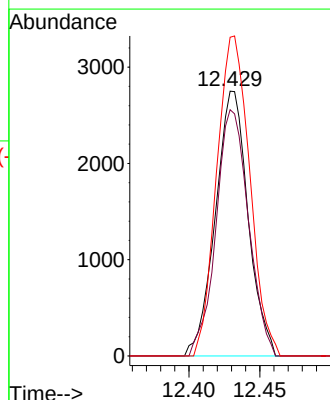
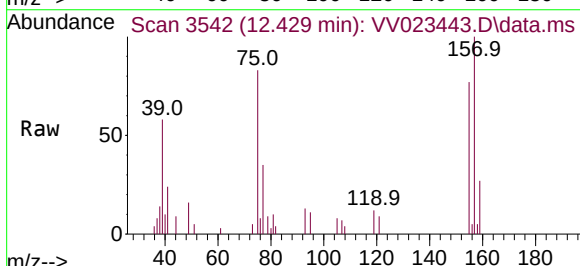
Tgt Ion: 75 Resp: 4414

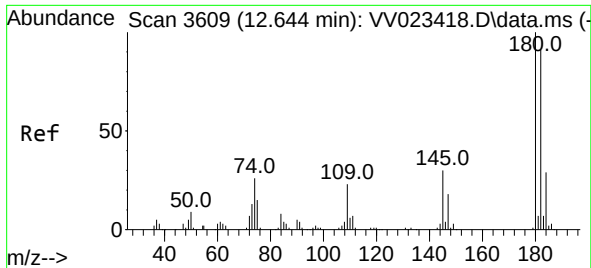
Ion Ratio Lower Upper

75 100

155 93.0 67.7 101.5

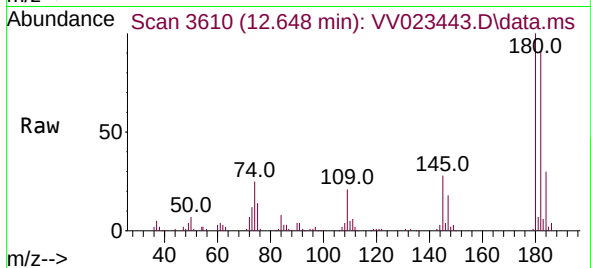
157 120.4 87.9 131.9



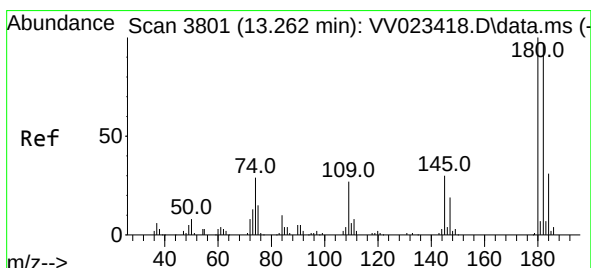
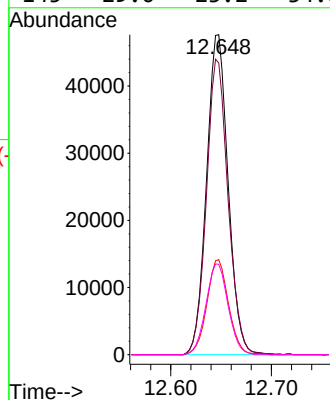
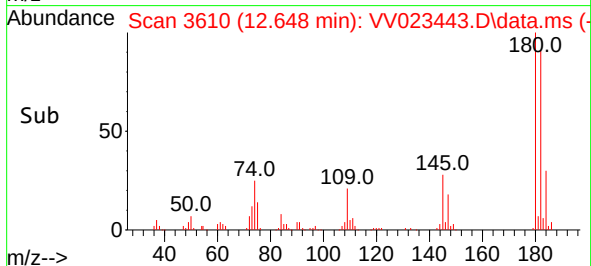


#69
 1,3,5-Trichlorobenzene
 Concen: 4.598 ug/L
 RT: 12.648 min Scan# 3610
 Delta R.T. 0.003 min
 Lab File: VV023443.D
 Acq: 12 Nov 2021 15:06

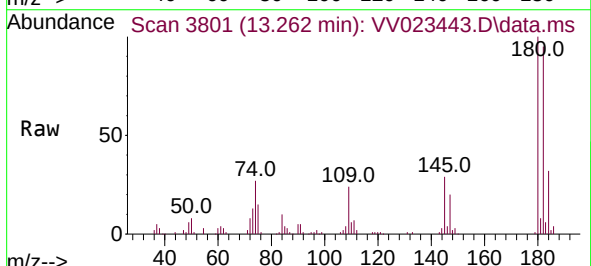
Instrument :
 MSVOA_V
 ClientSampleId :



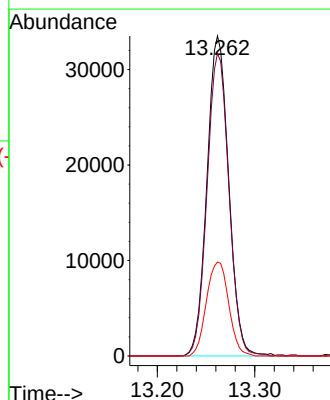
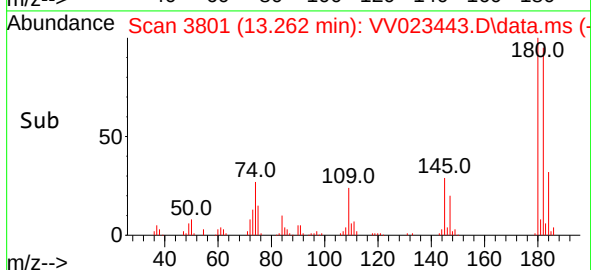
Tgt Ion:180 Resp: 71197
 Ion Ratio Lower Upper
 180 100
 182 92.4 74.9 112.3
 184 29.8 23.8 35.8
 145 29.0 23.2 34.8

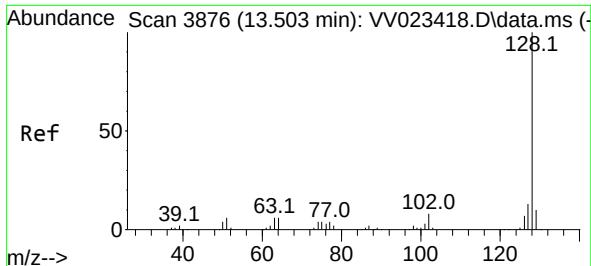


#70
 1,2,4-trichlorobenzene
 Concen: 4.189 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. -0.000 min
 Lab File: VV023443.D
 Acq: 12 Nov 2021 15:06



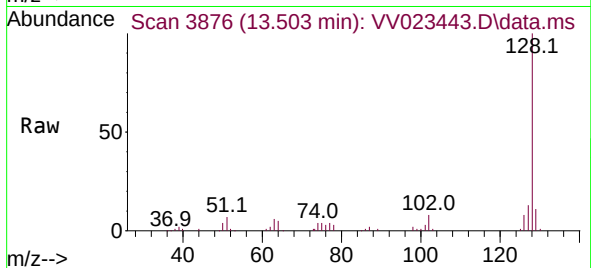
Tgt Ion:180 Resp: 51944
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.9 115.3
 145 30.1 24.4 36.6



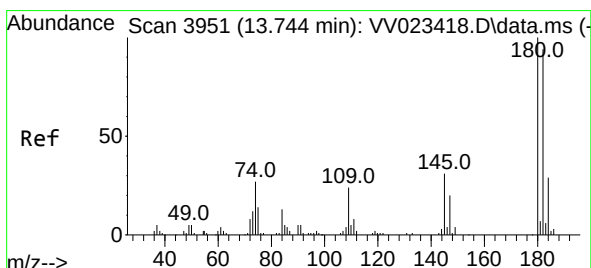
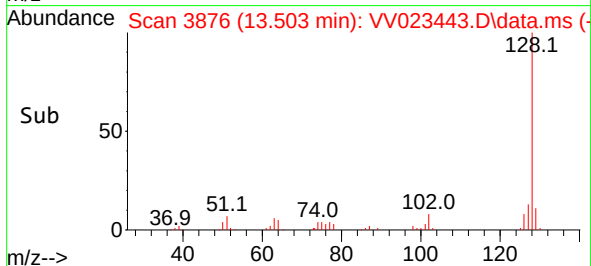
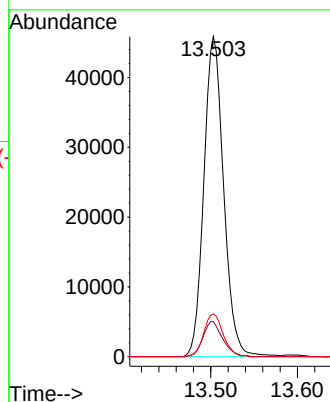


#71
Naphthalene
Concen: 3.982 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. -0.000 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 72809
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.1 10.5 15.7



#72
1,2,3-Trichlorobenzene
Concen: 4.456 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. -0.000 min
Lab File: VV023443.D
Acq: 12 Nov 2021 15:06

Tgt Ion:180 Resp: 48348
Ion Ratio Lower Upper
180 100
182 96.2 76.7 115.1
145 31.8 25.7 38.5

