

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031924\
 Data File : VV034718.D
 Acq On : 19 Mar 2024 00:18
 Operator : SY/MD
 Sample : P1752-09MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 19 02:59:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 19 02:53:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	352810	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	335871	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	176688	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	170285	55.676	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.360%
7) Chloroethane-d5	1.529	69	130140	54.617	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.240%
11) 1,1-Dichloroethene-d2	2.060	65	72232	52.221	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.440%
21) 2-Butanone-d5	3.786	46	216613	105.906	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.910%
24) Chloroform-d	4.246	84	282307	52.204	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.400%
26) 1,2-Dichloroethane-d4	4.941	65	181634	51.399	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.800%
32) Benzene-d6	4.957	84	533128	52.594	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.180%
36) 1,2-Dichloropropane-d6	5.986	67	159768	51.646	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.300%
41) Toluene-d8	7.239	98	490244	53.443	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.880%
43) trans-1,3-Dichloroprop...	7.551	79	83044	53.457	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.920%
47) 2-Hexanone-d5	8.024	63	132140	85.540	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.540%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	218164	53.589	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.180%
66) 1,2-Dichlorobenzene-d4	11.558	152	186927	51.758	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.520%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.105	85	151941	41.057	ug/L	99
3) Chloromethane	1.214	50	145270	39.949	ug/L	97
5) Vinyl chloride	1.282	62	150158	42.540	ug/L	100
6) Bromomethane	1.487	94	90175	42.578	ug/L	100
8) Chloroethane	1.548	64	92964	44.310	ug/L	99
9) Trichlorofluoromethane	1.712	101	232516	43.987	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	129660	45.511	ug/L	98
12) 1,1-Dichloroethene	2.069	96	155178	58.739	ug/L	97
13) Acetone	2.118	43	240032	97.621	ug/L	98
14) Carbon disulfide	2.240	76	294707	40.196	ug/L	98
15) Methyl Acetate	2.372	43	166418	52.904	ug/L	95
16) Methylene chloride	2.445	84	139994	49.957	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	120124	46.978	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	483063	52.606	ug/L	98
19) 1,1-Dichloroethane	3.111	63	268623	53.628	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	145129	52.311	ug/L	96
22) 2-Butanone	3.867	43	227083	93.525	ug/L	97
23) Bromochloromethane	4.146	128	71085	49.550	ug/L	96
25) Chloroform	4.275	83	258506	49.791	ug/L	99

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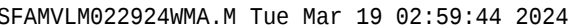
Instrument :
 MSVOA_V
 ClientSampleId :

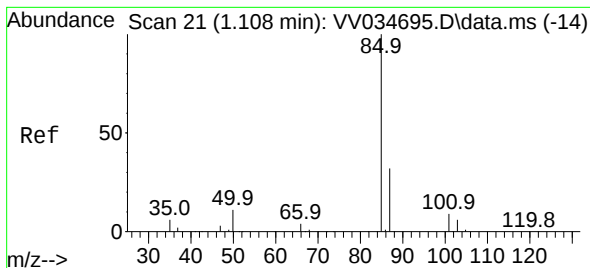
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	206030	48.844	ug/L	99
29) Cyclohexane	4.580	56	192926	43.670	ug/L	98
30) 1,1,1-Trichloroethane	4.510	97	245493	50.971	ug/L	100
31) Carbon tetrachloride	4.735	117	199662	46.823	ug/L	97
33) Benzene	5.008	78	507615	48.690	ug/L	100
34) Trichloroethene	5.831	95	133837	45.162	ug/L	97
35) Methylcyclohexane	6.050	83	195838	43.469	ug/L	99
37) 1,2-Dichloropropane	6.092	63	138771	50.841	ug/L	99
38) Bromodichloromethane	6.429	83	193673	50.445	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	223151	50.460	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	424219	105.402	ug/L	97
42) Toluene	7.313	91	541308	49.059	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	210030	49.382	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	140565	53.374	ug/L	99
46) Tetrachloroethene	7.905	164	99513	45.153	ug/L	99
48) 2-Hexanone	8.072	43	337046	105.093	ug/L	100
49) Dibromochloromethane	8.175	129	144405	51.960	ug/L	97
50) 1,2-Dibromoethane	8.281	107	143739	51.434	ug/L	98
51) Chlorobenzene	8.812	112	355096	49.782	ug/L	99
52) Ethylbenzene	8.944	91	610619	49.390	ug/L	99
53) m,p-Xylene	9.072	106	224390	47.829	ug/L	99
54) o-Xylene	9.477	106	230579	50.191	ug/L	98
55) Styrene	9.493	104	400524	51.492	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	217066	54.877	ug/L	99
59) Bromoform	9.664	173	101080	51.599	ug/L	99
60) Isopropylbenzene	9.866	105	624826	50.001	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	179743	53.293	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	528306	50.118	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	531374	50.968	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	289220	50.058	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	288900	49.239	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	290537	50.183	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	52352	52.107	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	200869	46.343	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	184364	47.271	ug/L	99
71) Naphthalene	13.439	128	504334	48.342	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	187894	49.384	ug/L	99

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

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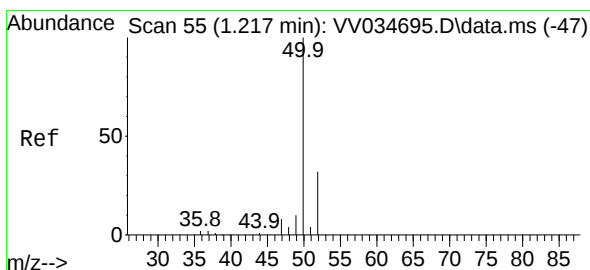
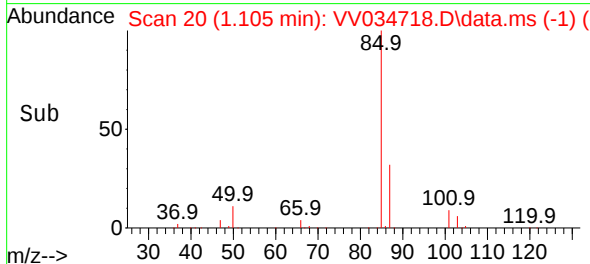
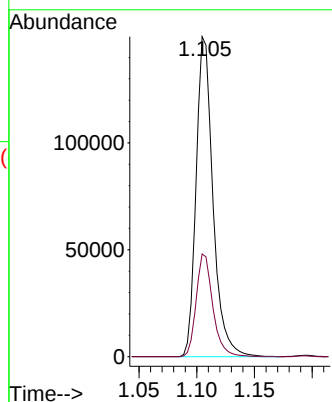
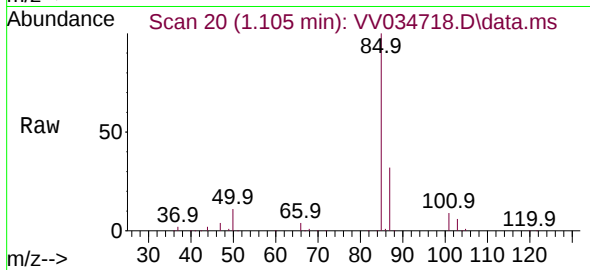




#2
Dichlorodifluoromethane
Concen: 41.057 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

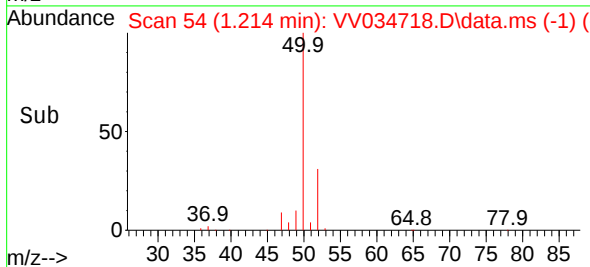
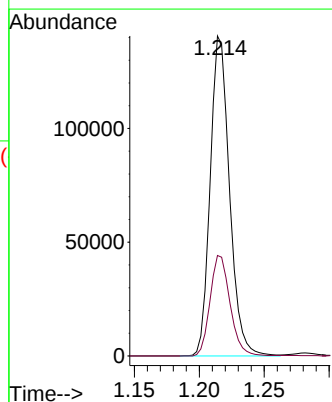
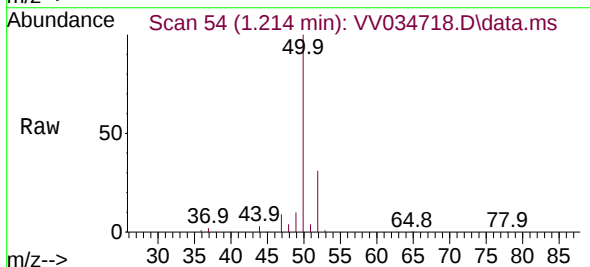
Instrument :
MSVOA_V
ClientSampleId :

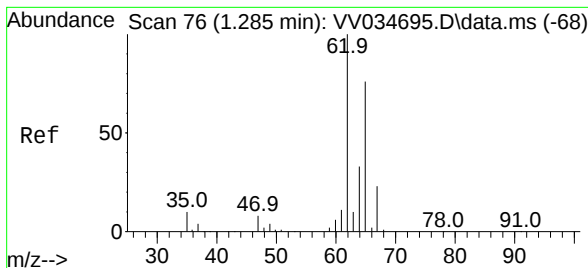
Tgt Ion: 85 Resp: 151941
Ion Ratio Lower Upper
85 100
87 31.6 25.5 38.3



#3
Chloromethane
Concen: 39.949 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Tgt Ion: 50 Resp: 145270
Ion Ratio Lower Upper
50 100
52 31.4 23.0 42.8





#5

Vinyl chloride

Concen: 42.540 ug/L

RT: 1.282 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

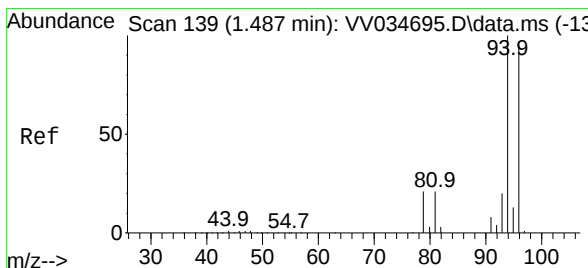
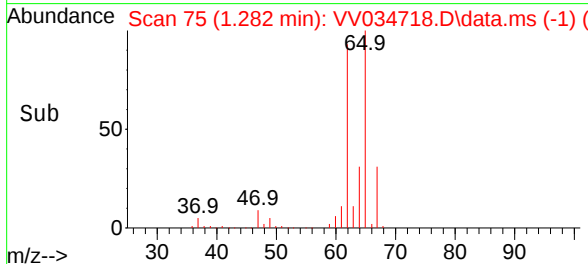
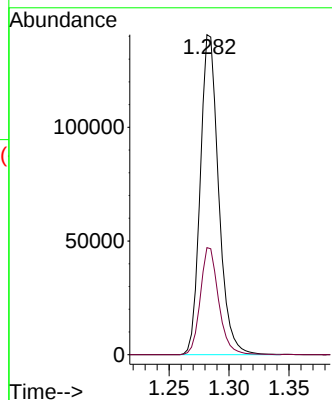
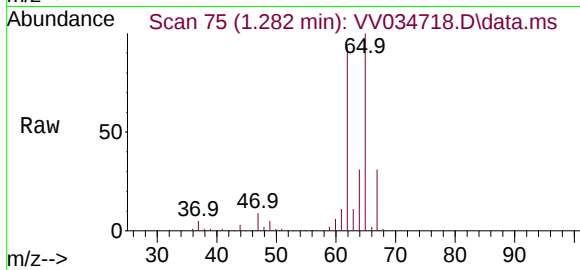
ClientSampleId :

Tgt Ion: 62 Resp: 150158

Ion Ratio Lower Upper

62 100

64 33.5 23.4 43.6



#6

Bromomethane

Concen: 42.578 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV034718.D

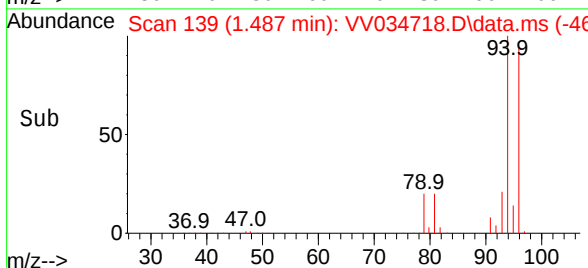
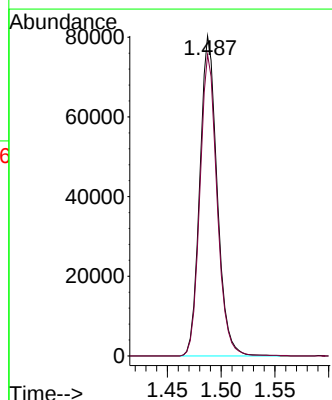
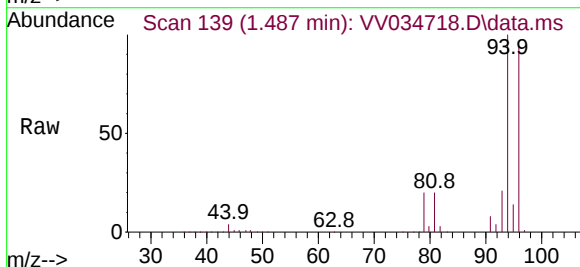
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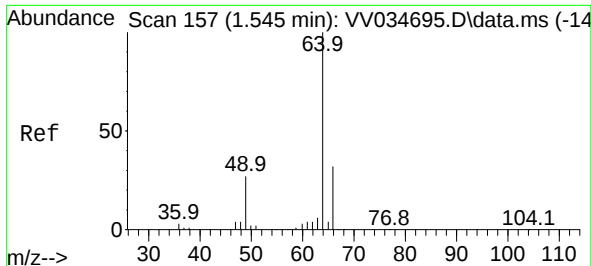
Tgt Ion: 94 Resp: 90175

Ion Ratio Lower Upper

94 100

96 94.2 66.0 122.6





#8

Chloroethane

Concen: 44.310 ug/L

RT: 1.548 min Scan# 157

Delta R.T. 0.003 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

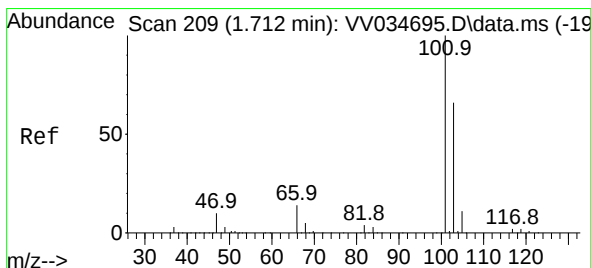
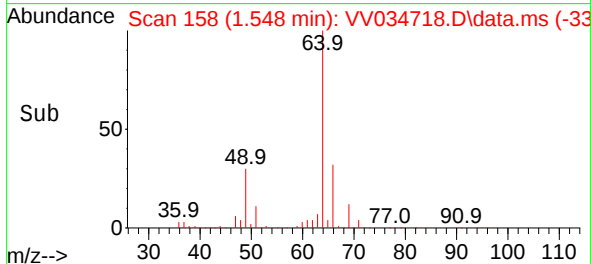
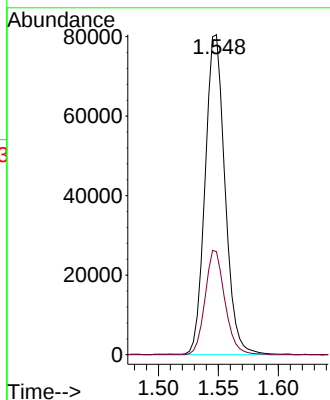
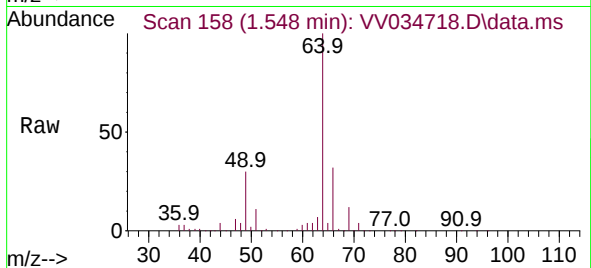
ClientSampleId :

Tgt Ion: 64 Resp: 92964

Ion Ratio Lower Upper

64 100

66 32.2 22.0 40.8



#9

Trichlorofluoromethane

Concen: 43.987 ug/L

RT: 1.712 min Scan# 209

Delta R.T. 0.000 min

Lab File: VV034718.D

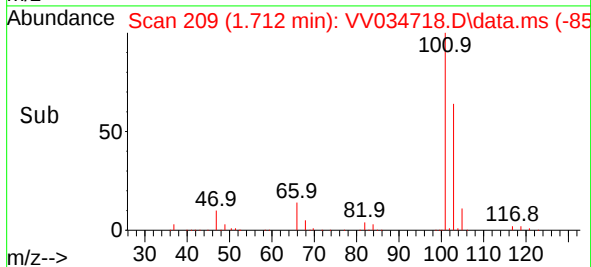
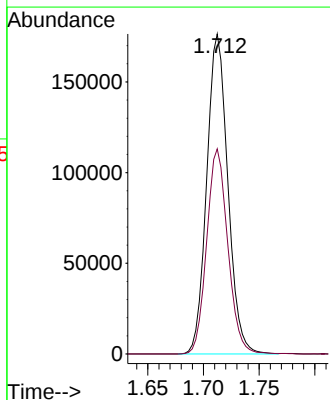
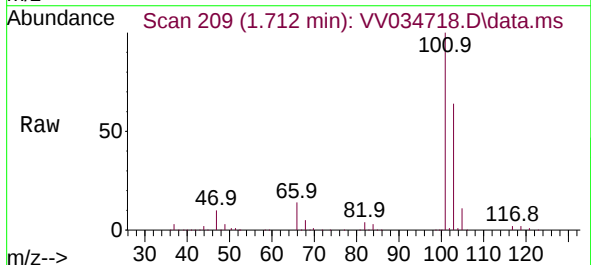
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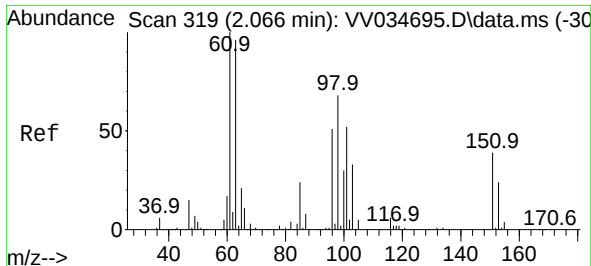
Tgt Ion:101 Resp: 232516

Ion Ratio Lower Upper

101 100

103 64.1 51.8 77.8

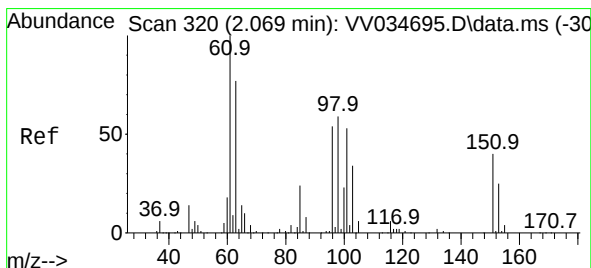
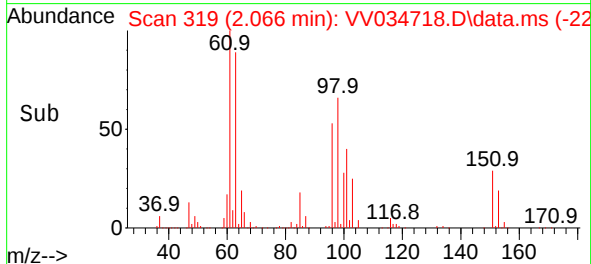
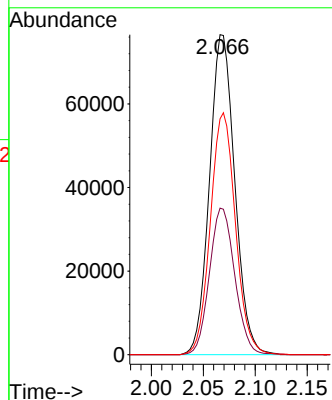
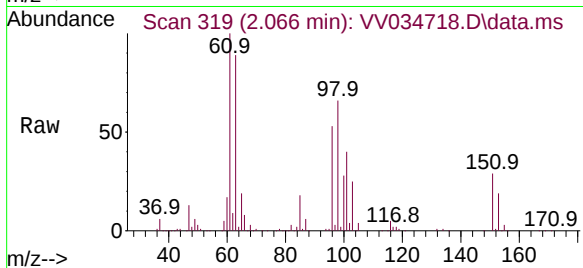




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.511 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

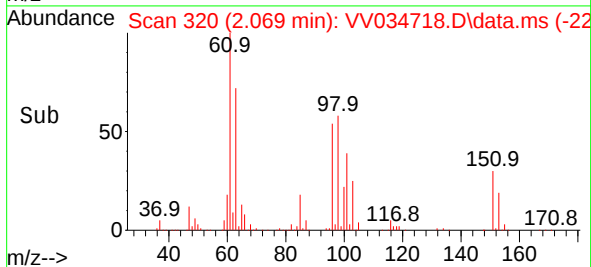
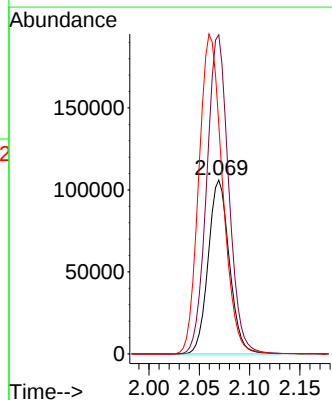
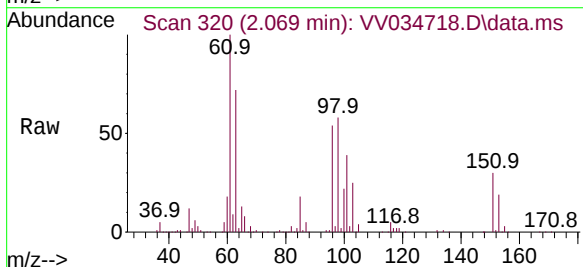
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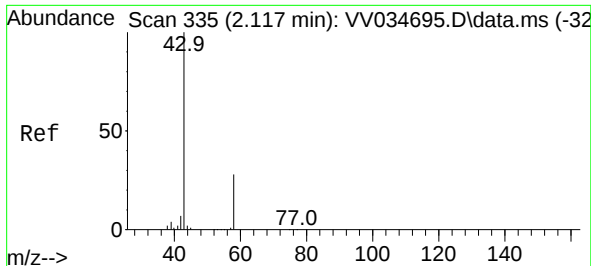
Tgt Ion:101 Resp: 129660
Ion Ratio Lower Upper
101 100
85 45.9 37.4 56.0
151 75.2 61.4 92.2



#12
1,1-Dichloroethene
Concen: 58.739 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Tgt Ion: 96 Resp: 155178
Ion Ratio Lower Upper
96 100
61 183.6 128.9 239.3
63 132.4 98.0 182.0





#13

Acetone

Concen: 97.621 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

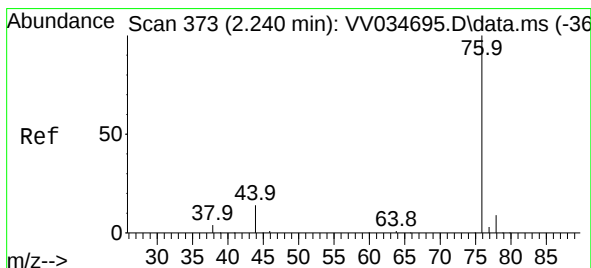
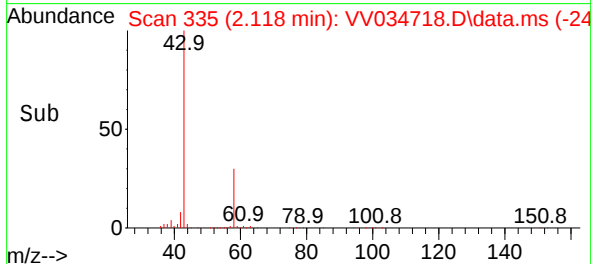
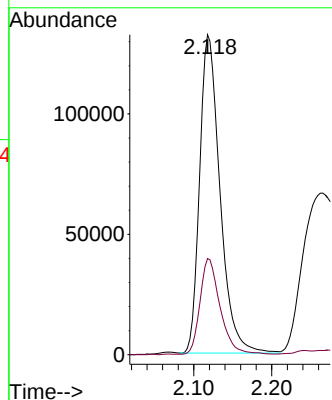
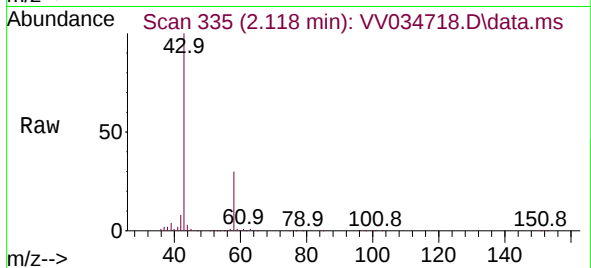
ClientSampleId :

Tgt Ion: 43 Resp: 240032

Ion Ratio Lower Upper

43 100

58 29.5 0.0 57.2



#14

Carbon disulfide

Concen: 40.196 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV034718.D

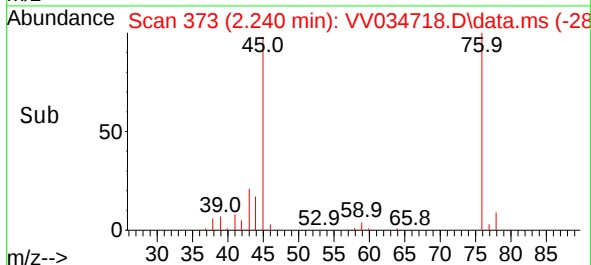
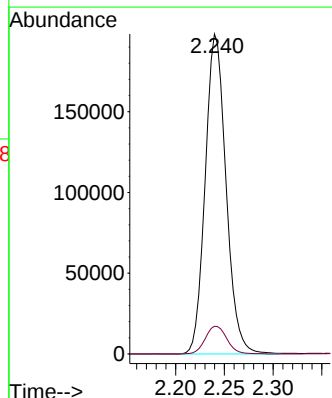
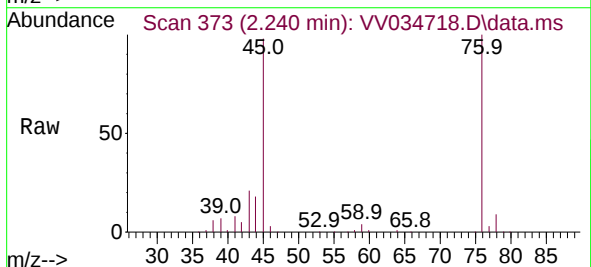
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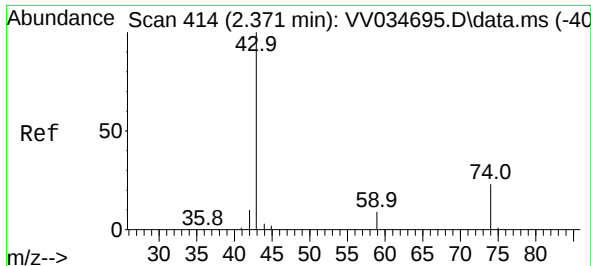
Tgt Ion: 76 Resp: 294707

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3





#15

Methyl Acetate

Concen: 52.904 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

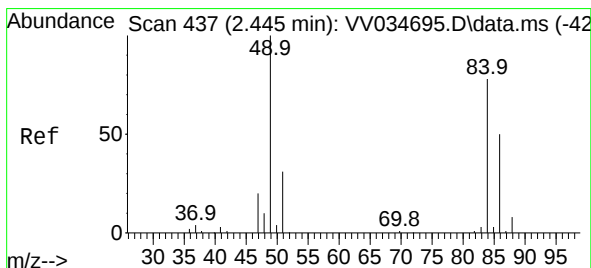
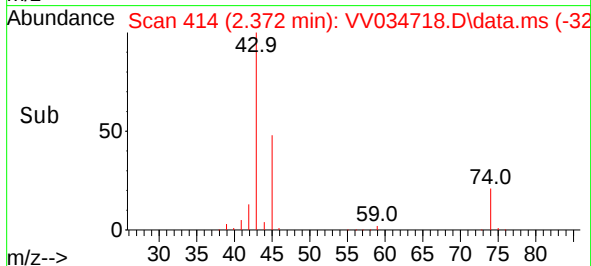
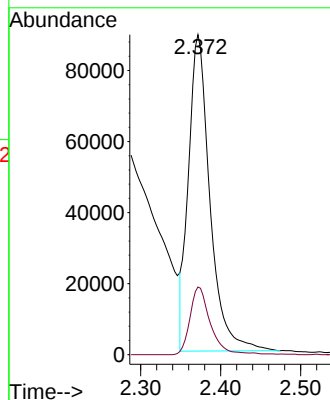
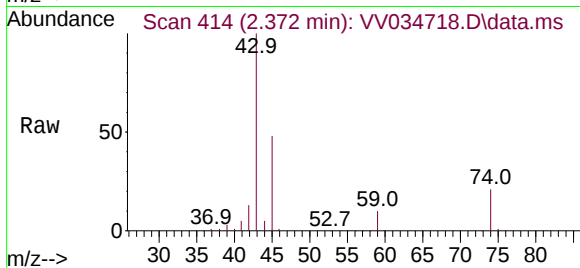
ClientSampleId :

Tgt Ion: 43 Resp: 166418

Ion Ratio Lower Upper

43 100

74 20.1 17.8 26.8



#16

Methylene chloride

Concen: 49.957 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

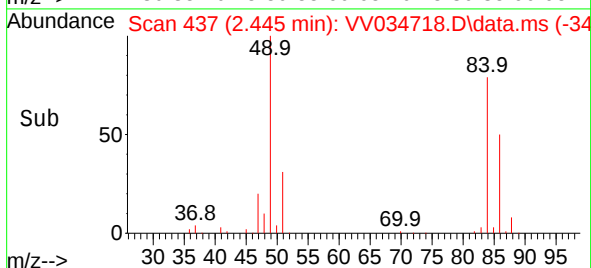
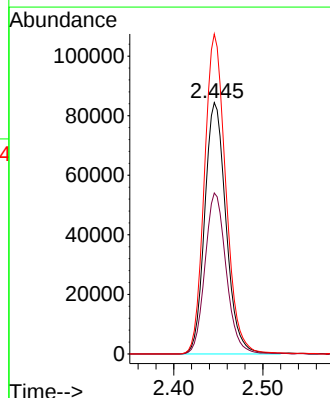
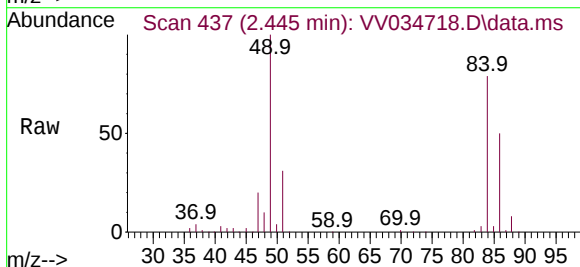
Tgt Ion: 84 Resp: 139994

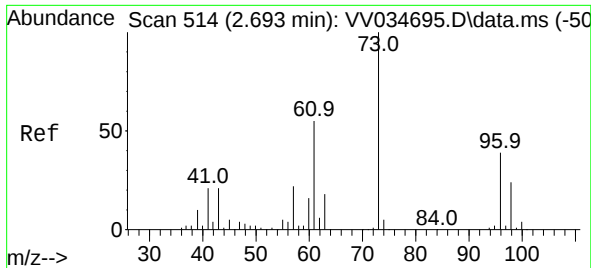
Ion Ratio Lower Upper

84 100

86 64.0 45.6 84.6

49 127.3 92.3 171.3

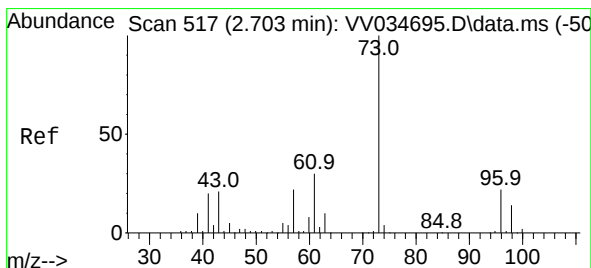
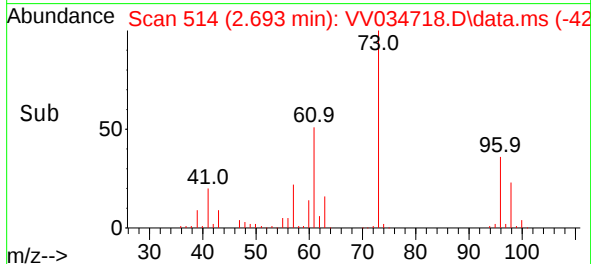
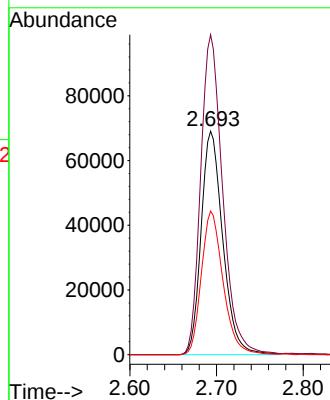
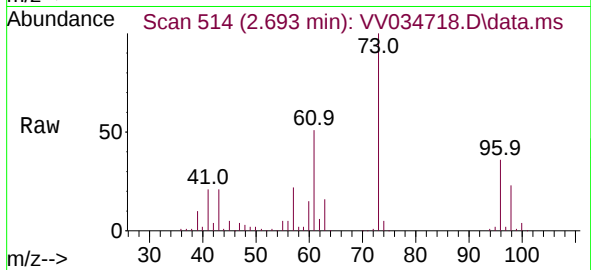




#17
trans-1,2-Dichloroethene
Concen: 46.978 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

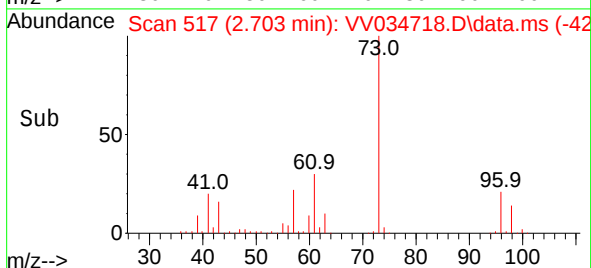
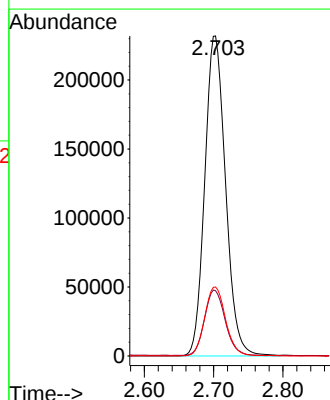
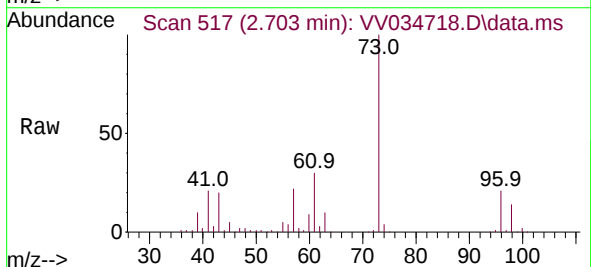
Instrument :
MSVOA_V
ClientSampleId :

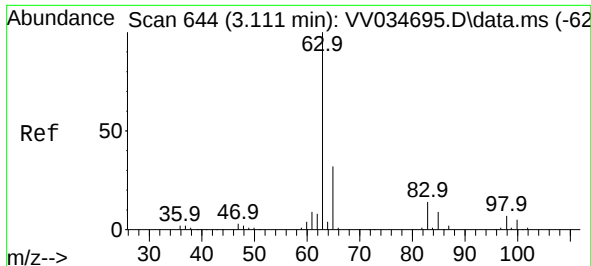
Tgt Ion: 96 Resp: 120124
Ion Ratio Lower Upper
96 100
61 143.1 98.8 183.4
98 64.2 46.1 85.5



#18
Methyl tert-butyl Ether
Concen: 52.606 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

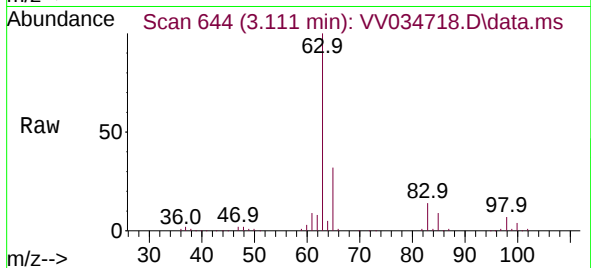
Tgt Ion: 73 Resp: 483063
Ion Ratio Lower Upper
73 100
43 20.3 17.1 25.7
57 21.6 17.6 26.4



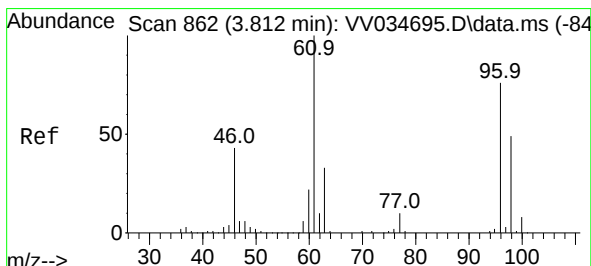
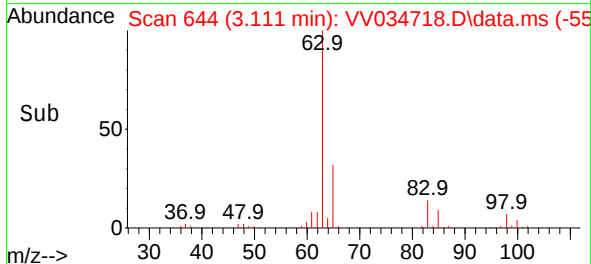
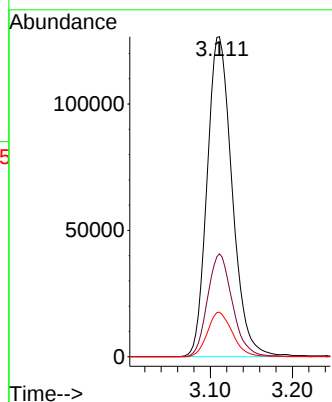


#19
1,1-Dichloroethane
Concen: 53.628 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Instrument :
MSVOA_V
ClientSampleId :

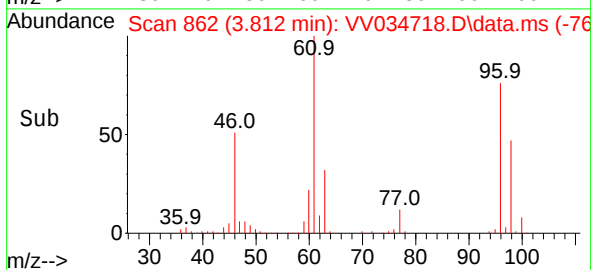
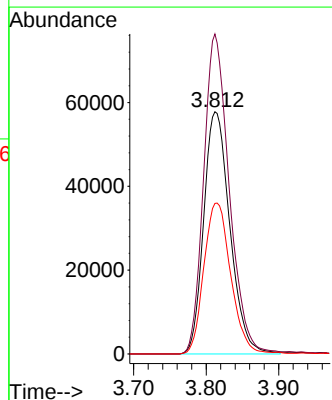
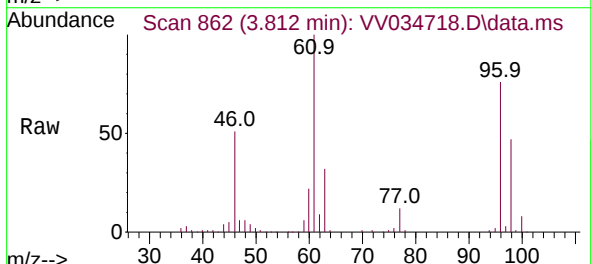


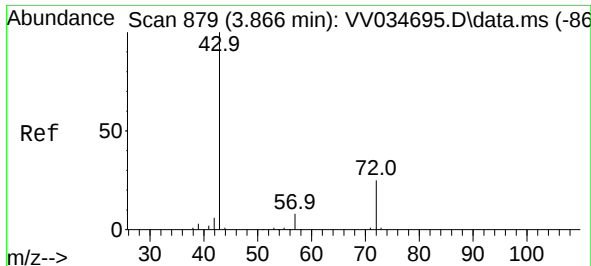
Tgt Ion: 63 Resp: 268623
Ion Ratio Lower Upper
63 100
65 32.1 22.1 41.1
83 13.9 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 52.311 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Tgt Ion: 96 Resp: 145129
Ion Ratio Lower Upper
96 100
61 132.1 96.0 178.4
98 62.2 46.0 85.4

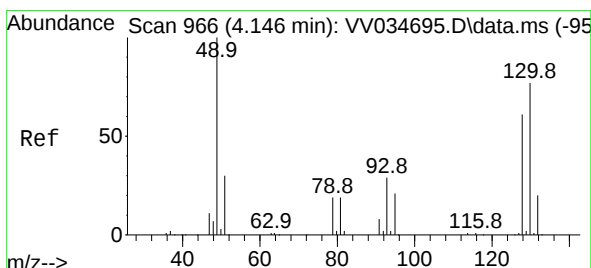
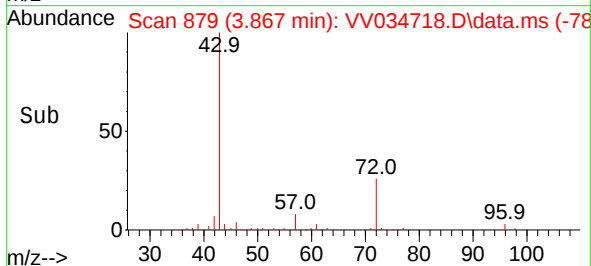
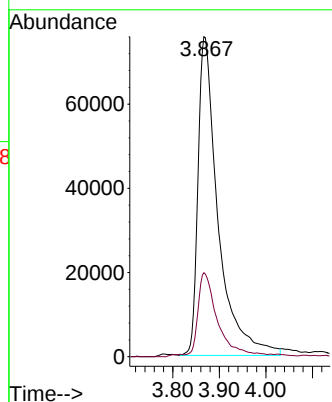
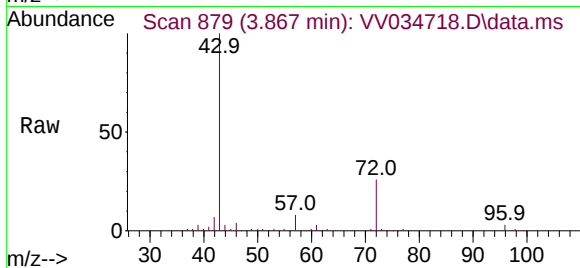




#22
2-Butanone
Concen: 93.525 ug/L
RT: 3.867 min Scan# 879
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

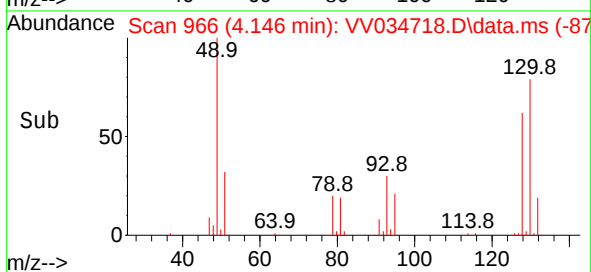
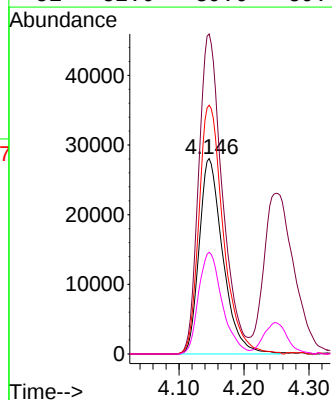
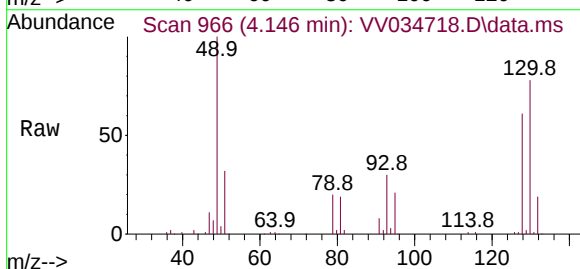
Instrument :
MSVOA_V
ClientSampleId :

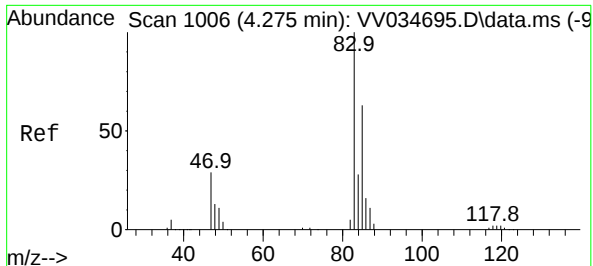
Tgt Ion: 43 Resp: 227083
Ion Ratio Lower Upper
43 100
72 24.1 11.5 34.4



#23
Bromochloromethane
Concen: 49.550 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Tgt Ion:128 Resp: 71085
Ion Ratio Lower Upper
128 100
49 163.7 109.4 203.2
130 127.3 87.7 162.9
51 52.0 39.6 59.4





#25

Chloroform

Concen: 49.791 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

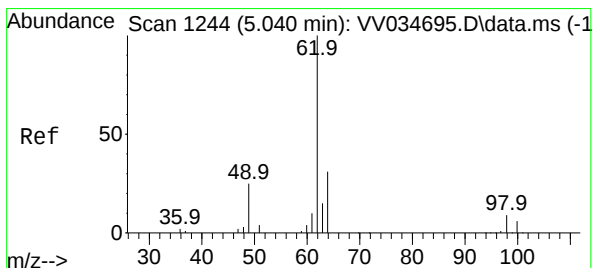
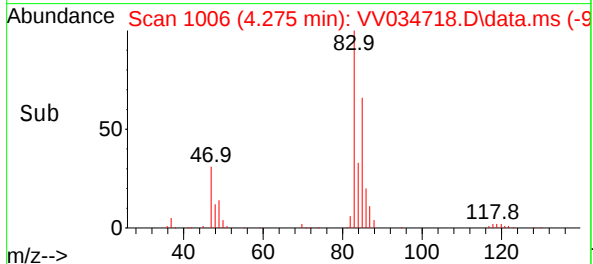
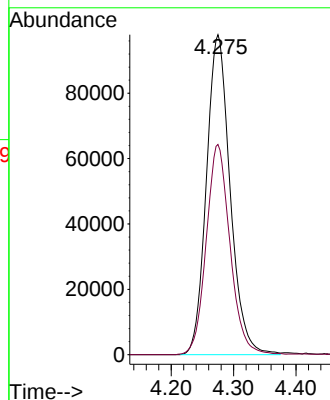
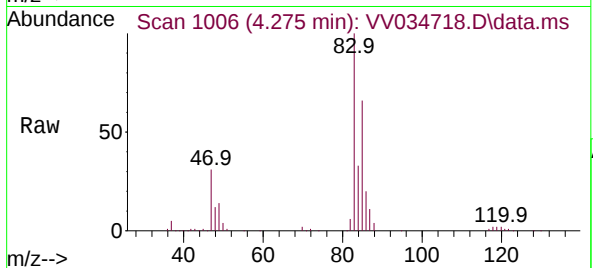
ClientSampleId :

Tgt Ion: 83 Resp: 258506

Ion Ratio Lower Upper

83 100

85 65.7 45.5 84.5



#27

1,2-Dichloroethane

Concen: 48.844 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV034718.D

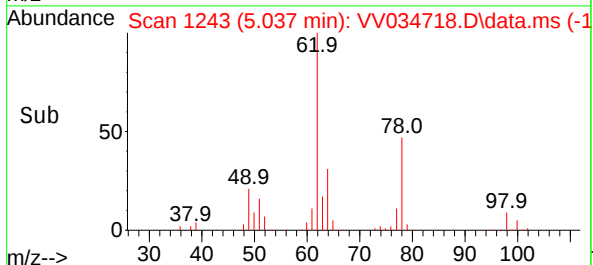
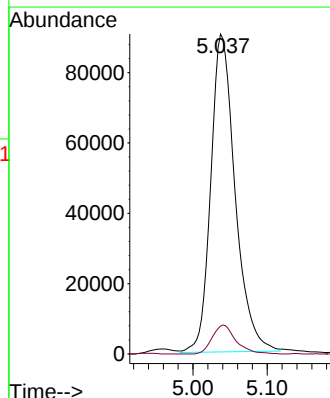
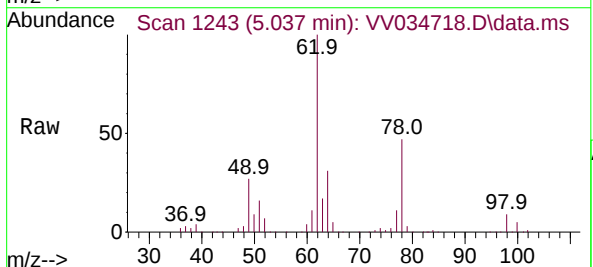
Acq: 19 Mar 2024 00:18

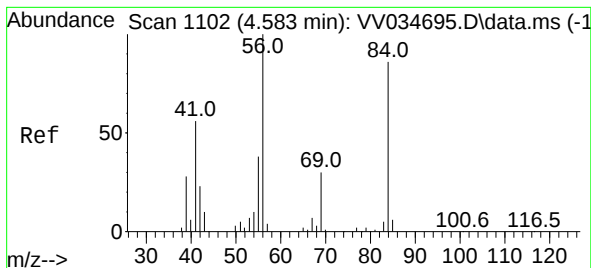
Tgt Ion: 62 Resp: 206030

Ion Ratio Lower Upper

62 100

98 8.7 6.6 10.0





#29

Cyclohexane

Concen: 43.670 ug/L

RT: 4.580 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

ClientSampleId :

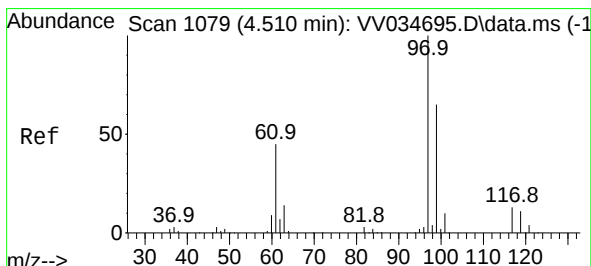
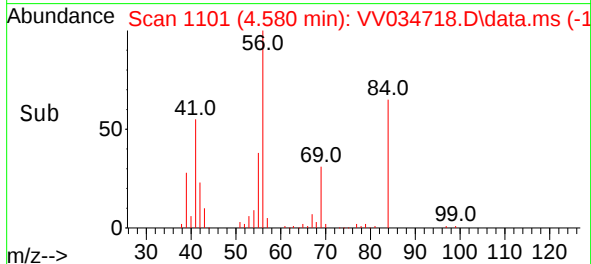
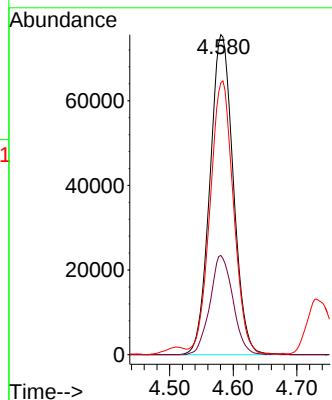
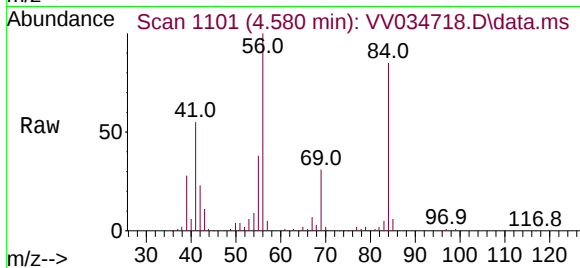
Tgt Ion: 56 Resp: 192926

Ion Ratio Lower Upper

56 100

69 30.4 24.2 36.4

84 85.4 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 50.971 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

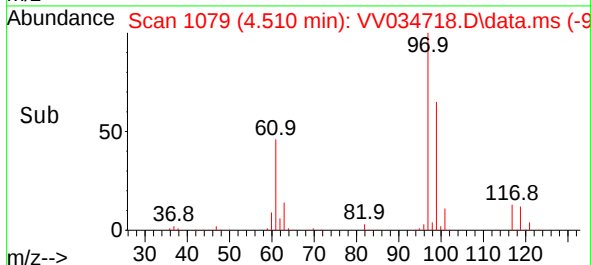
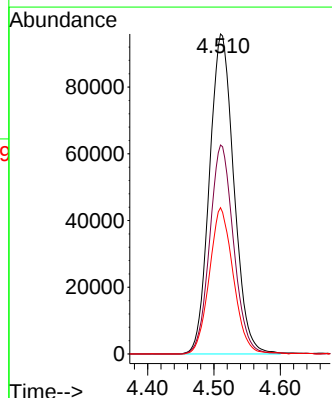
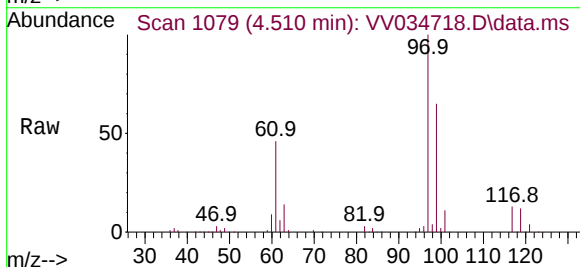
Tgt Ion: 97 Resp: 245493

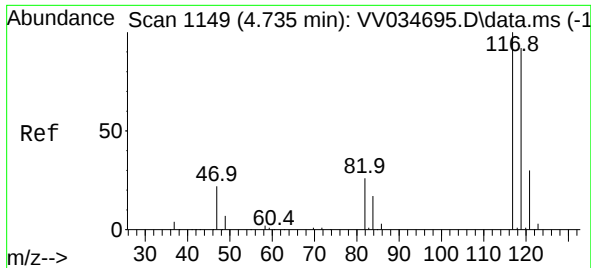
Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

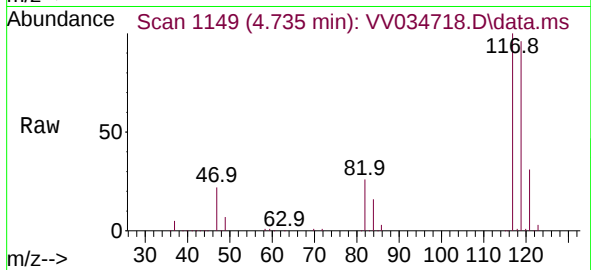
61 44.8 36.0 54.0



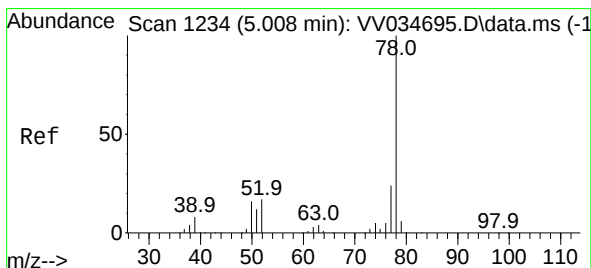
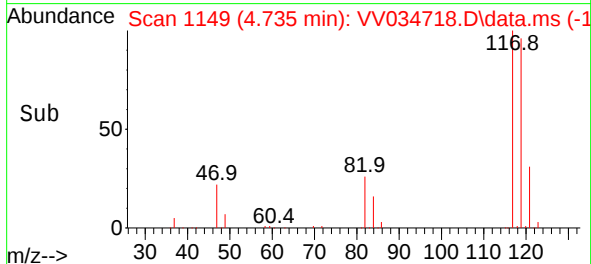
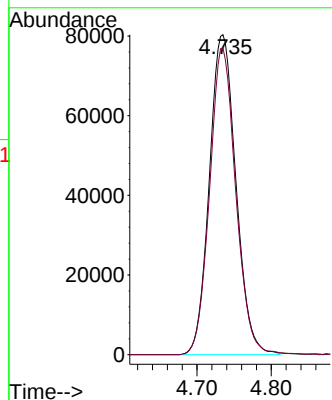


#31
Carbon tetrachloride
Concen: 46.823 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Instrument :
MSVOA_V
ClientSampleId :

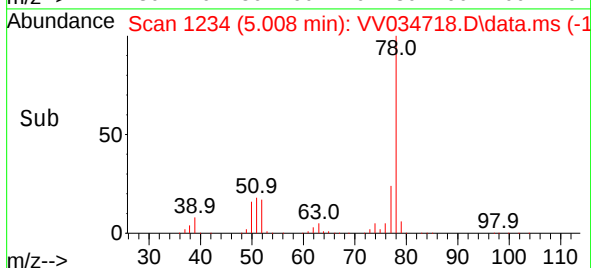
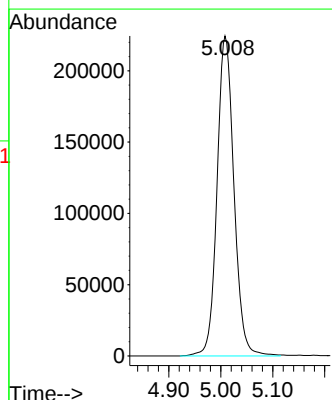
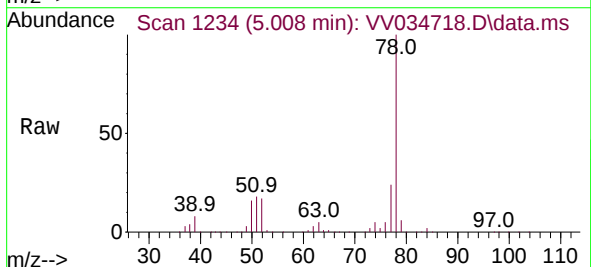


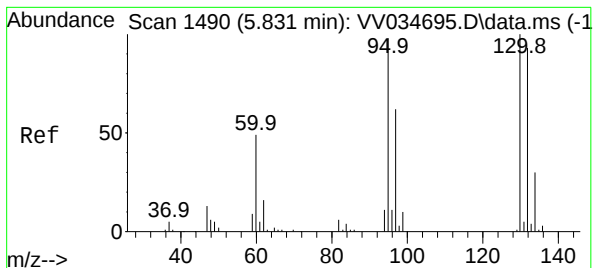
Tgt Ion:117 Resp: 199662
Ion Ratio Lower Upper
117 100
119 94.3 77.5 116.3



#33
Benzene
Concen: 48.690 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Tgt Ion: 78 Resp: 507615





#34

Trichloroethene

Concen: 45.162 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 133837

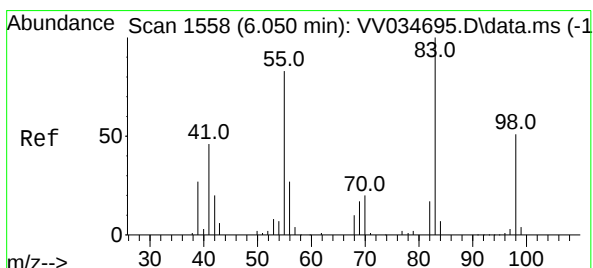
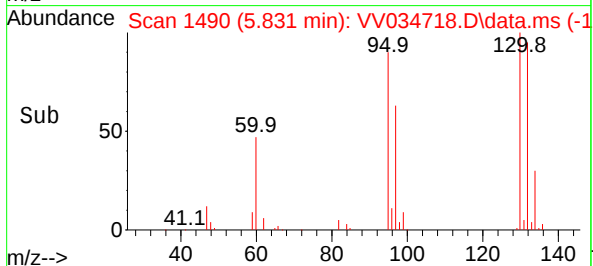
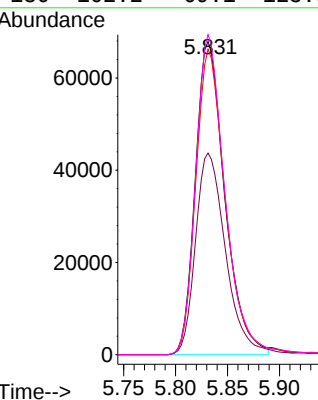
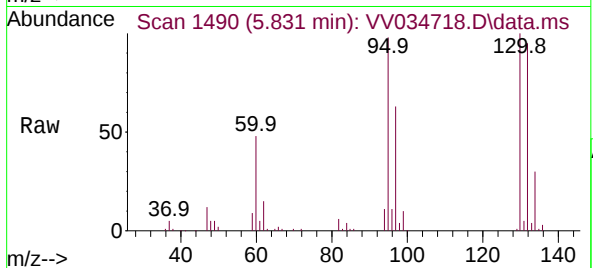
Ion Ratio Lower Upper

95 100

97 64.4 44.7 83.1

132 97.5 65.3 121.3

130 102.2 69.1 128.3



#35

Methylcyclohexane

Concen: 43.469 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

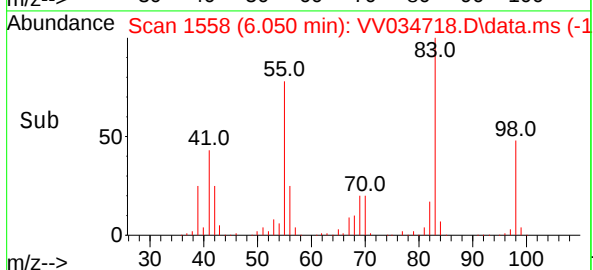
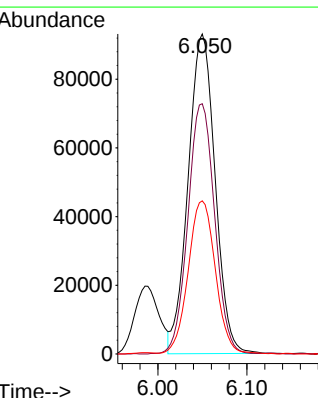
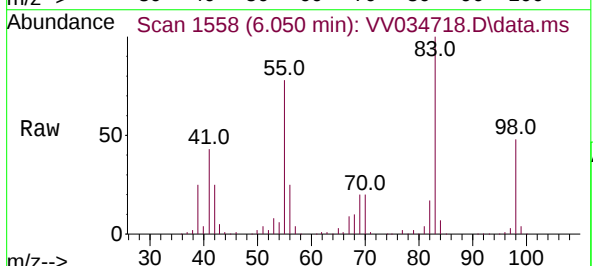
Tgt Ion: 83 Resp: 195838

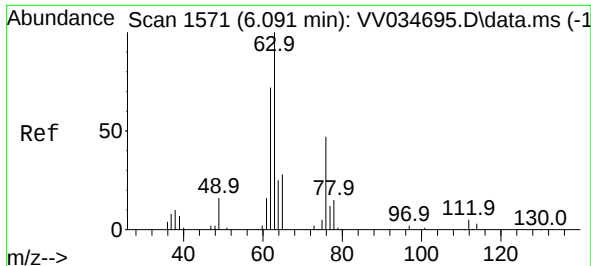
Ion Ratio Lower Upper

83 100

55 77.7 62.6 94.0

98 48.5 39.5 59.3

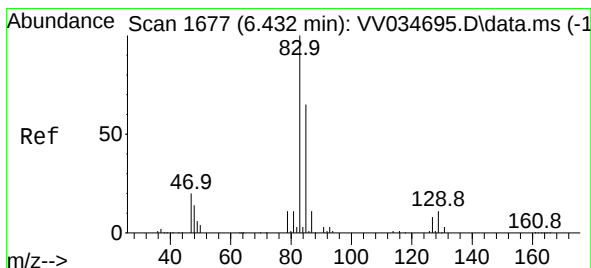
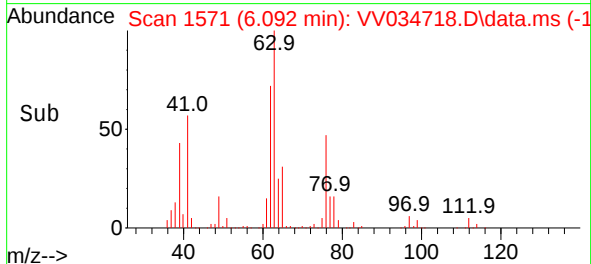
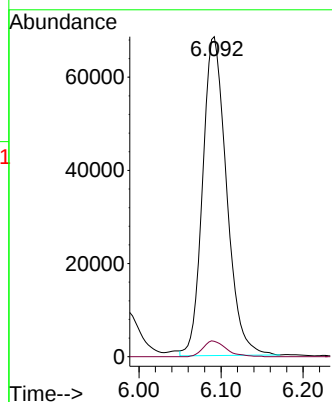
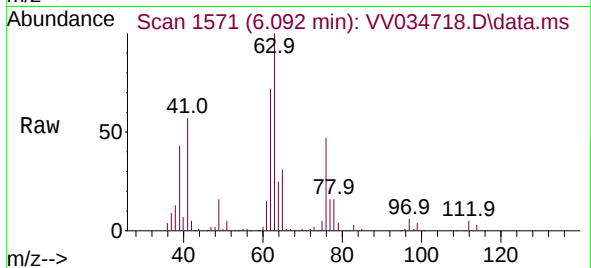




#37
1,2-Dichloropropane
Concen: 50.841 ug/L
RT: 6.092 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

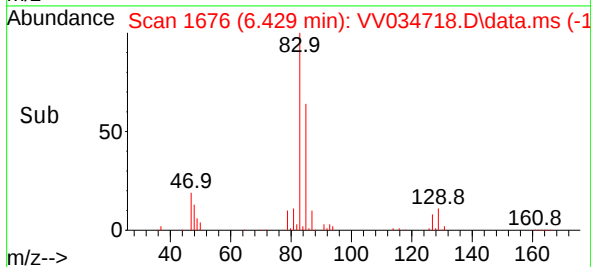
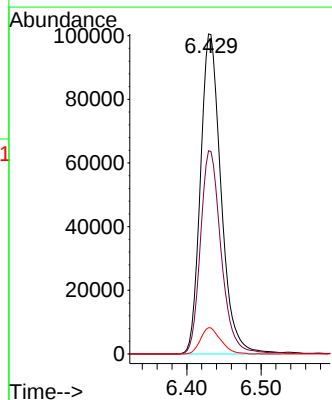
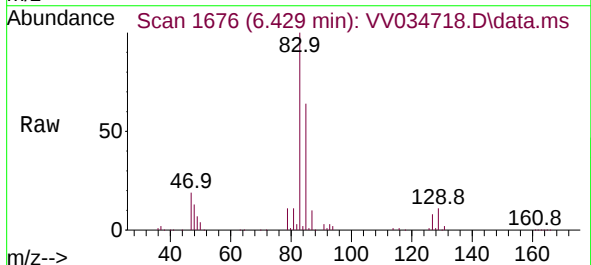
Instrument :
MSVOA_V
ClientSampleId :

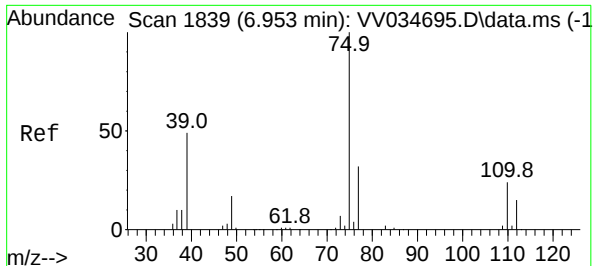
Tgt Ion: 63 Resp: 138771
Ion Ratio Lower Upper
63 100
112 4.8 3.5 5.3



#38
Bromodichloromethane
Concen: 50.445 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.003 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Tgt Ion: 83 Resp: 193673
Ion Ratio Lower Upper
83 100
85 63.5 44.6 82.8
127 8.2 6.9 10.3

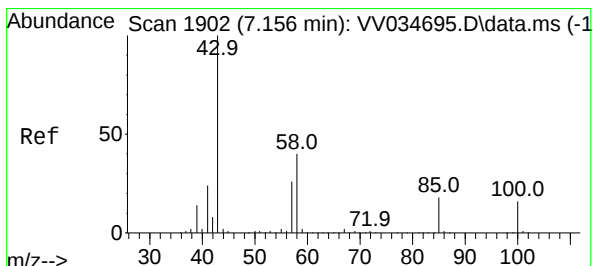
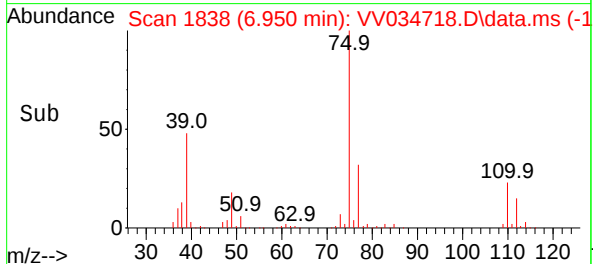
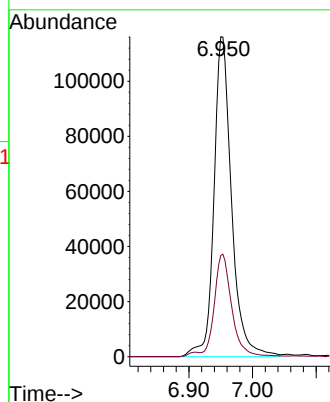
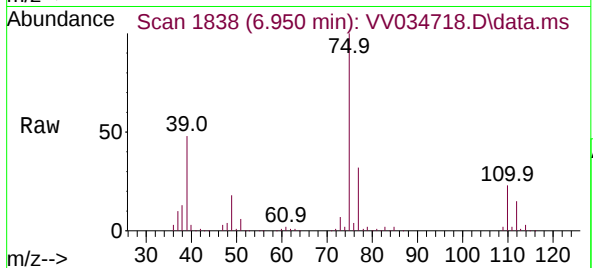




#39
cis-1,3-Dichloropropene
Concen: 50.460 ug/L
RT: 6.950 min Scan# 1839
Delta R.T. -0.003 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

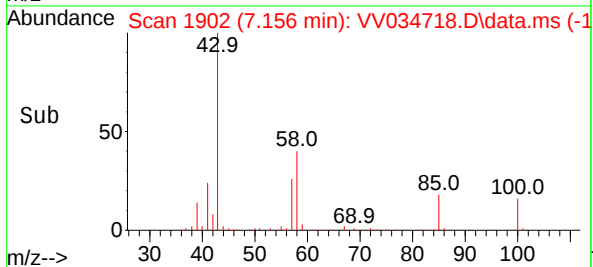
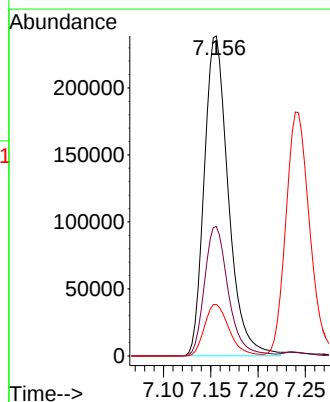
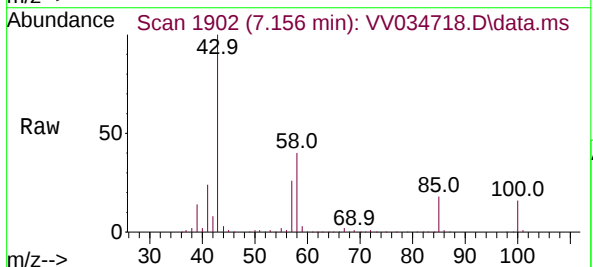
Instrument :
MSVOA_V
ClientSampleId :

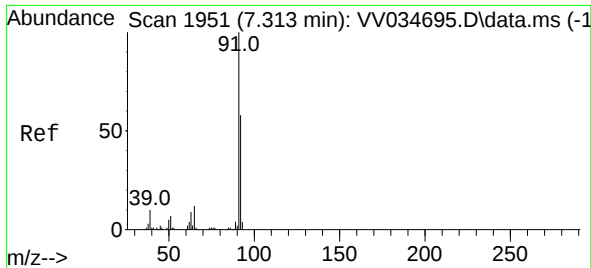
Tgt Ion: 75 Resp: 223151
Ion Ratio Lower Upper
75 100
77 31.6 20.9 38.9



#40
4-Methyl-2-pentanone
Concen: 105.402 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Tgt Ion: 43 Resp: 424219
Ion Ratio Lower Upper
43 100
58 40.0 30.6 46.0
100 16.4 12.5 18.7





#42

Toluene

Concen: 49.059 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

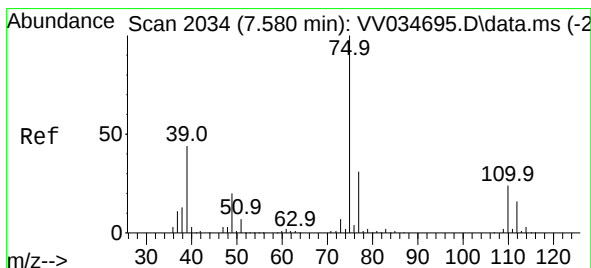
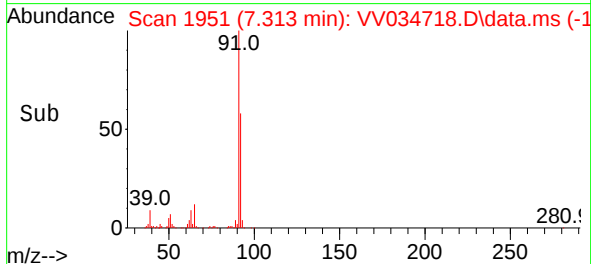
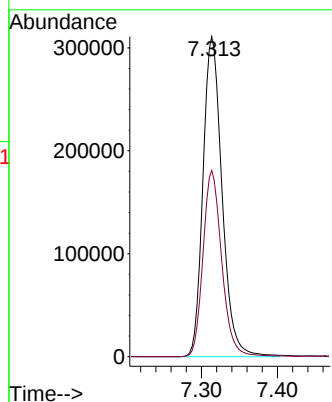
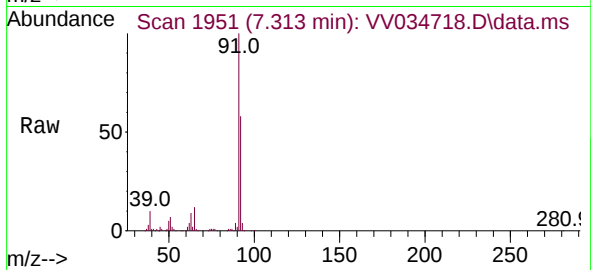
ClientSampleId :

Tgt Ion: 91 Resp: 541308

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 49.382 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV034718.D

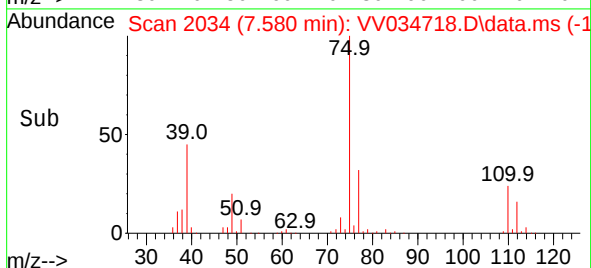
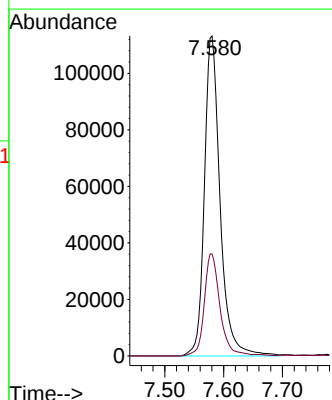
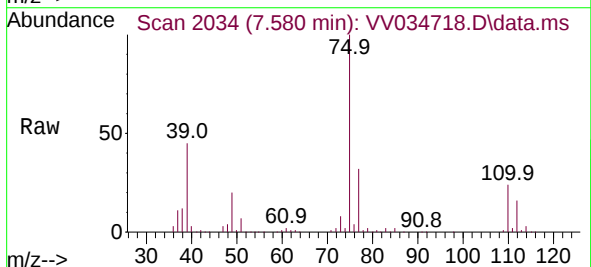
Acq: 19 Mar 2024 00:18

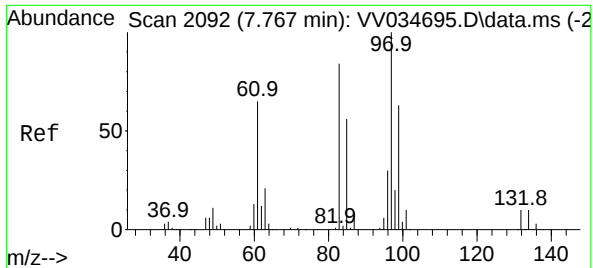
Tgt Ion: 75 Resp: 210030

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 53.374 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 140565

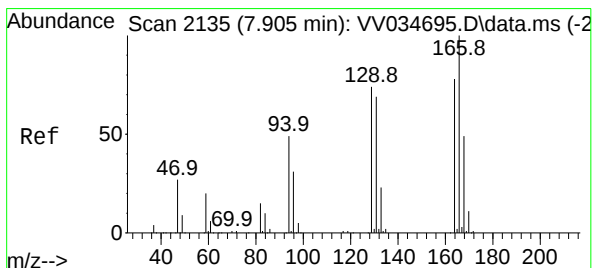
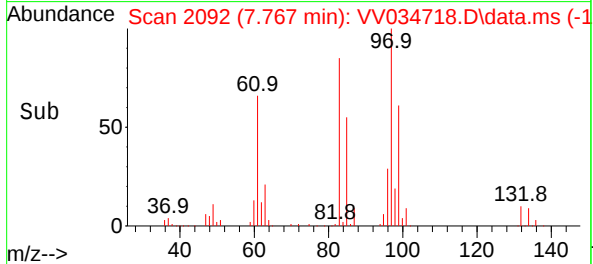
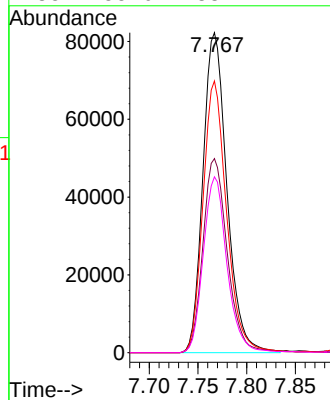
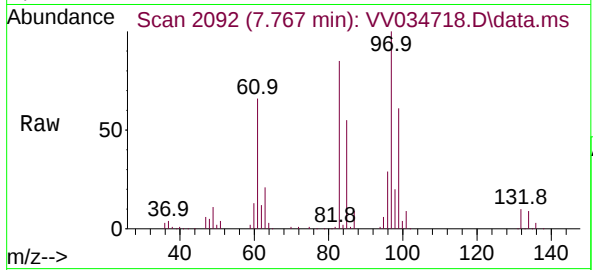
Ion Ratio Lower Upper

97 100

99 60.7 43.8 81.4

83 84.9 59.4 110.2

85 55.0 38.4 71.4



#46

Tetrachloroethene

Concen: 45.153 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Tgt Ion:164 Resp: 99513

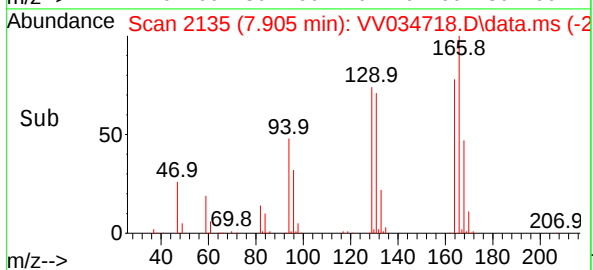
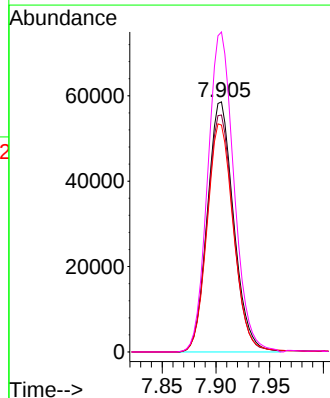
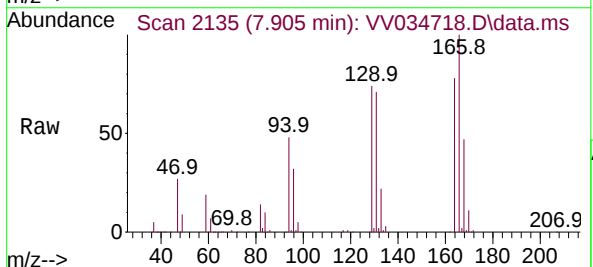
Ion Ratio Lower Upper

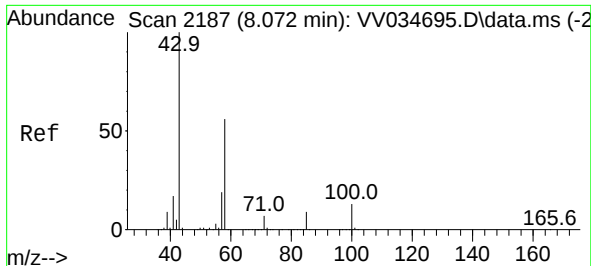
164 100

129 94.7 65.7 121.9

131 90.7 62.2 115.6

166 128.0 89.7 166.7





#48

2-Hexanone

Concen: 105.093 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

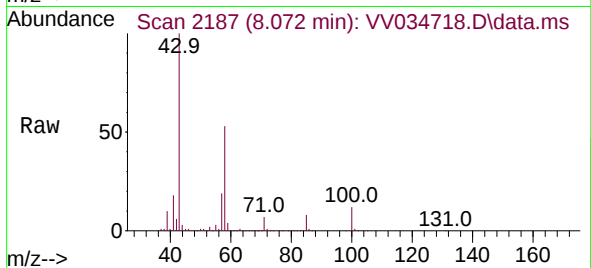
Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 337046

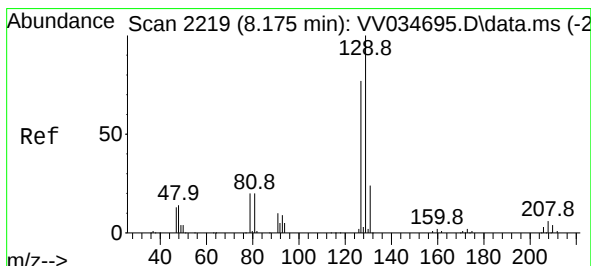
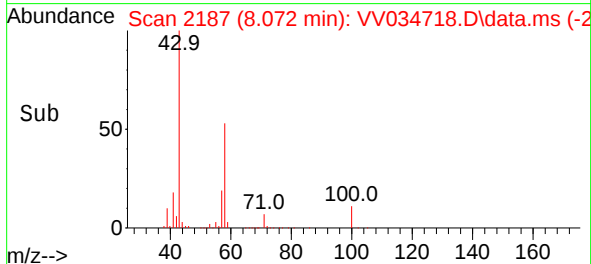
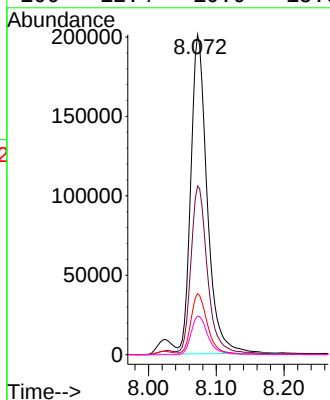
Ion Ratio Lower Upper

43 100

58 52.1 42.0 63.0

57 19.0 15.2 22.8

100 12.4 10.0 15.0



#49

Dibromochloromethane

Concen: 51.960 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV034718.D

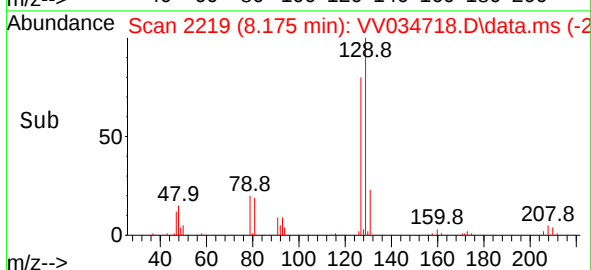
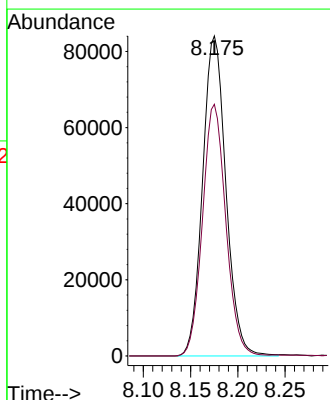
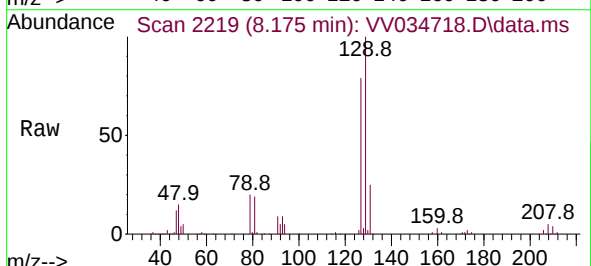
Acq: 19 Mar 2024 00:18

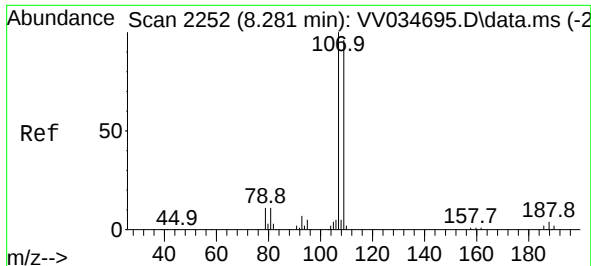
Tgt Ion:129 Resp: 144405

Ion Ratio Lower Upper

129 100

127 78.7 53.3 98.9

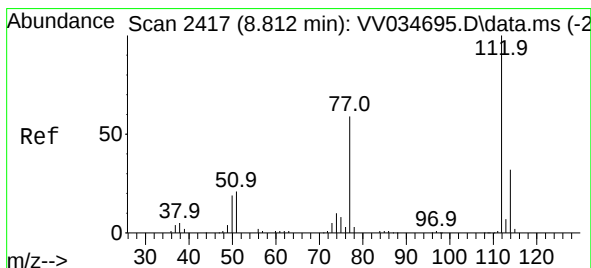
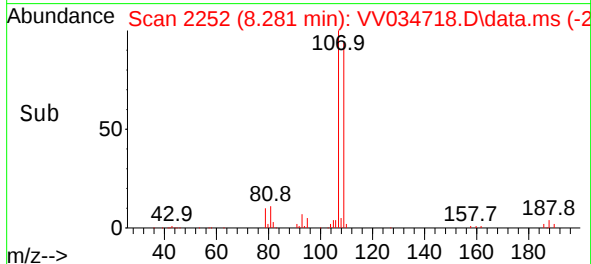
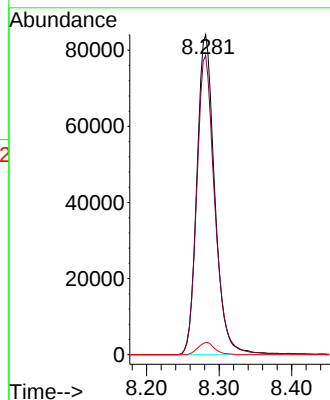
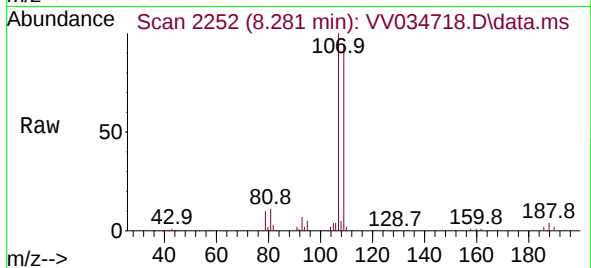




#50
1,2-Dibromoethane
Concen: 51.434 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

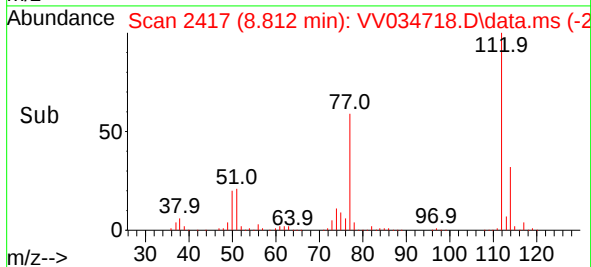
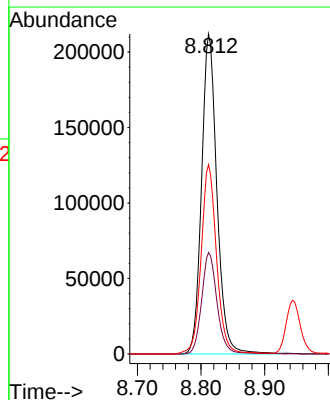
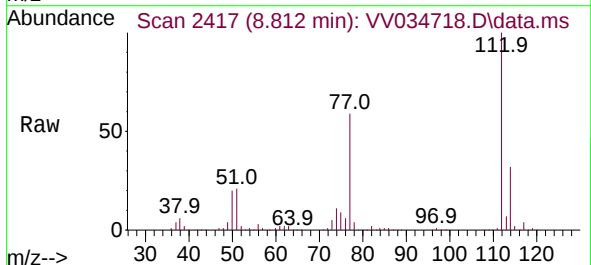
Instrument :
MSVOA_V
ClientSampleId :

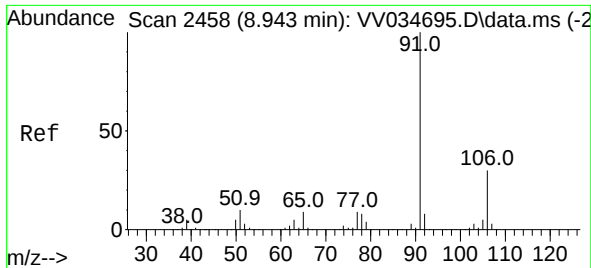
Tgt Ion:107 Resp: 143739
Ion Ratio Lower Upper
107 100
109 93.5 66.5 123.5
188 3.8 3.4 5.2



#51
Chlorobenzene
Concen: 49.782 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Tgt Ion:112 Resp: 355096
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 59.1 47.7 71.5

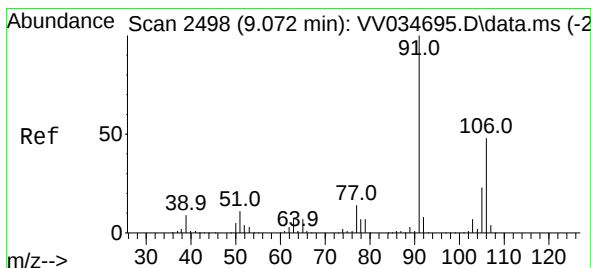
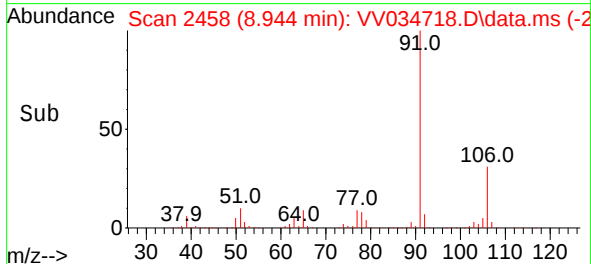
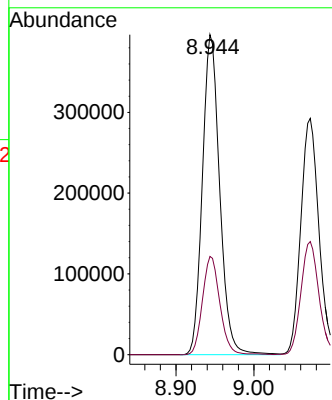
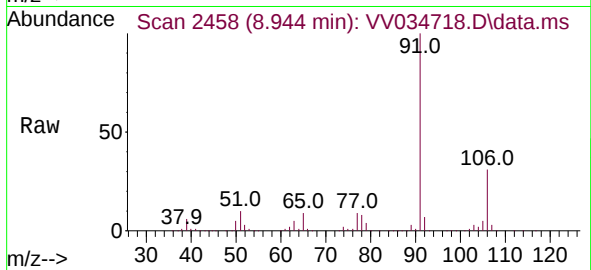




#52
Ethylbenzene
Concen: 49.390 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

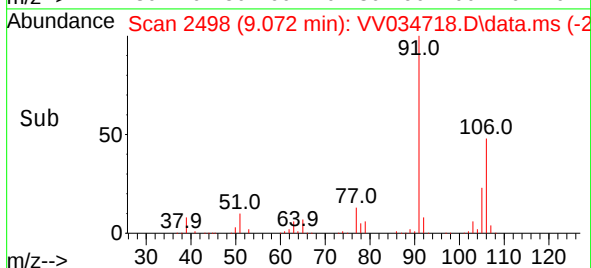
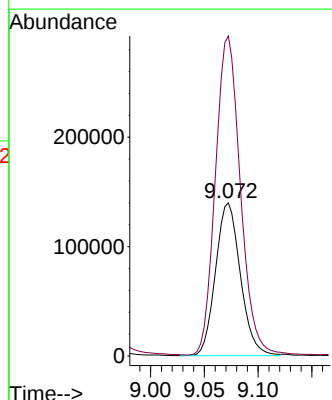
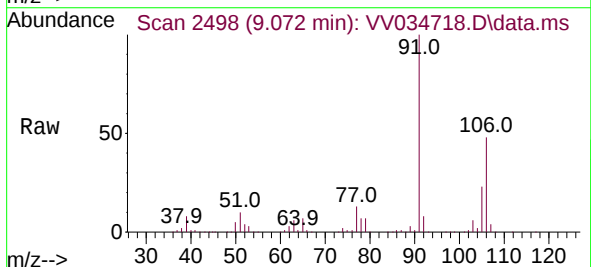
Instrument :
MSVOA_V
ClientSampleId :

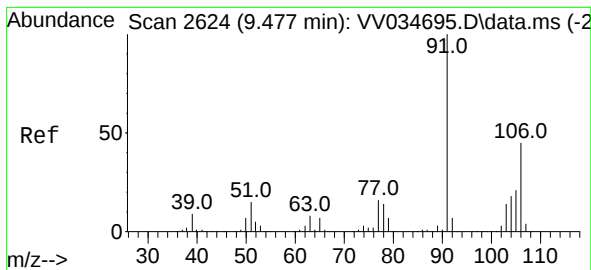
Tgt Ion: 91 Resp: 610619
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.5



#53
m,p-Xylene
Concen: 47.829 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Tgt Ion: 106 Resp: 224390
Ion Ratio Lower Upper
106 100
91 209.0 145.3 269.9





#54

o-Xylene

Concen: 50.191 ug/L

RT: 9.477 min Scan# 2624

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

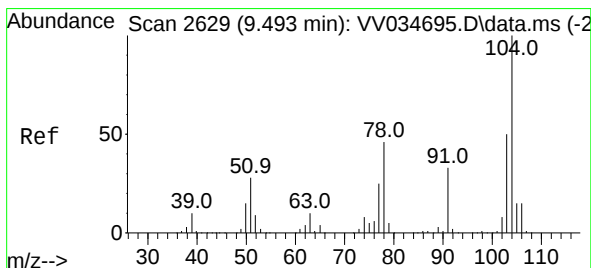
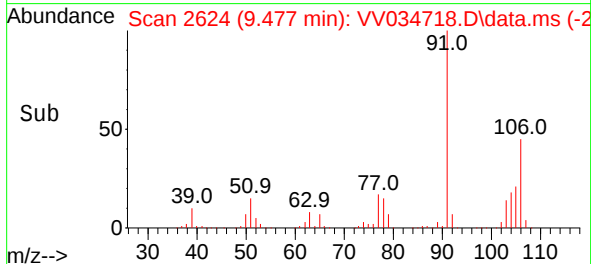
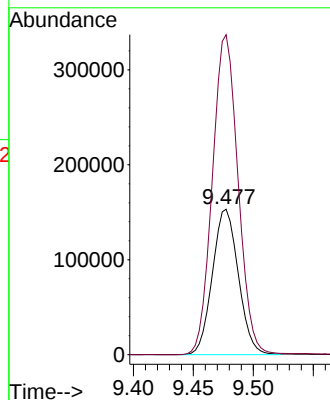
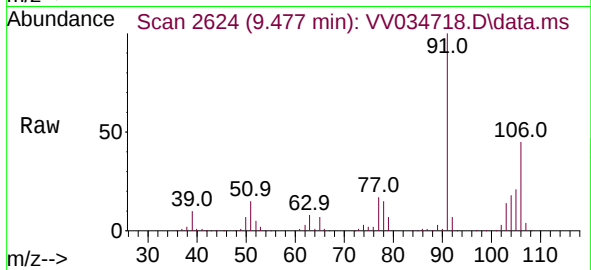
ClientSampleId :

Tgt Ion:106 Resp: 230579

Ion Ratio Lower Upper

106 100

91 220.0 152.2 282.7



#55

Styrene

Concen: 51.492 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.000 min

Lab File: VV034718.D

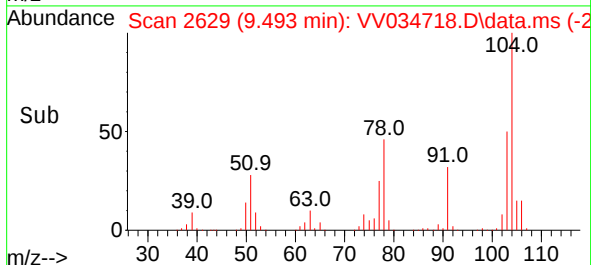
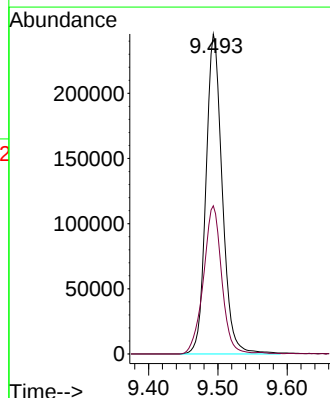
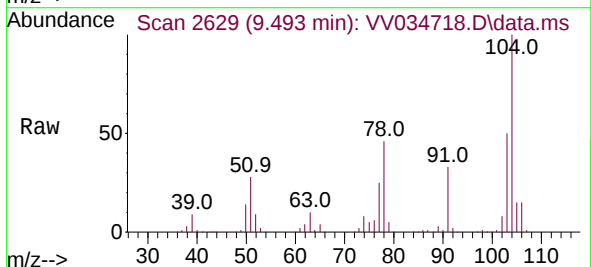
Acq: 19 Mar 2024 00:18

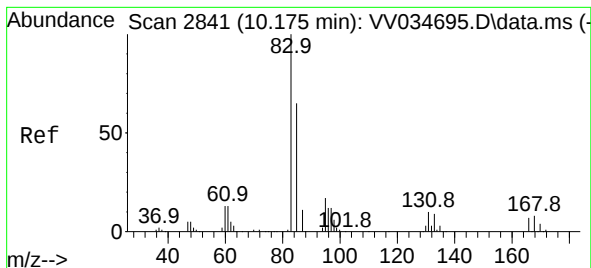
Tgt Ion:104 Resp: 400524

Ion Ratio Lower Upper

104 100

78 46.3 33.0 61.4

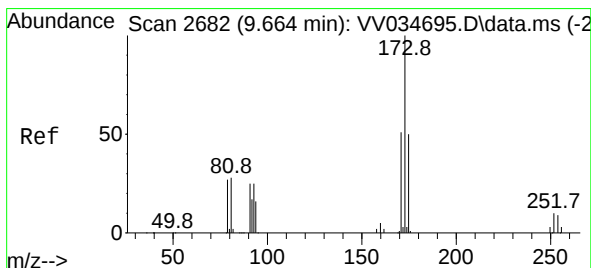
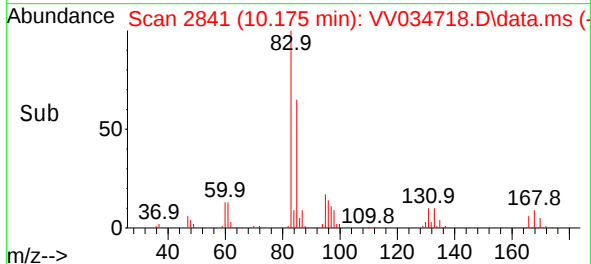
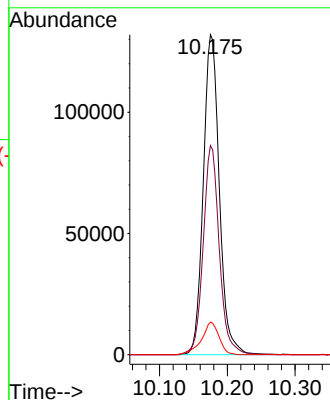
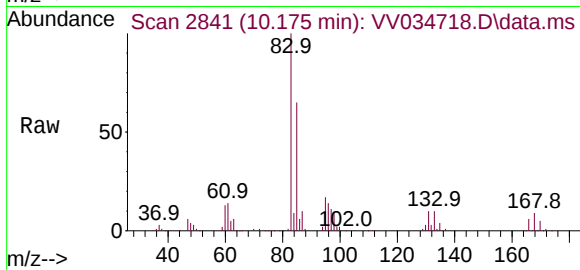




#57
1,1,2,2-Tetrachloroethane
Concen: 54.877 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

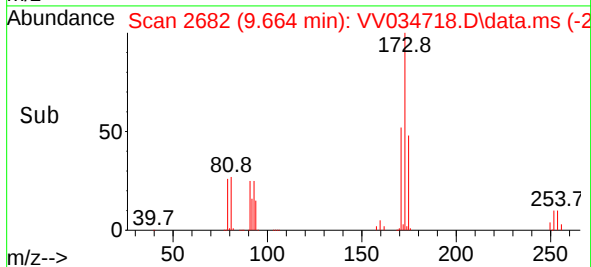
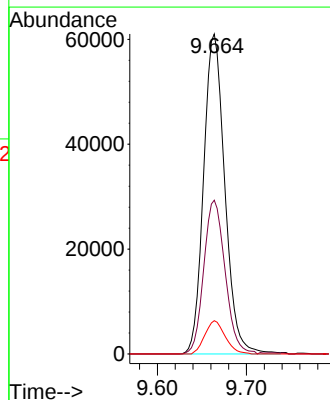
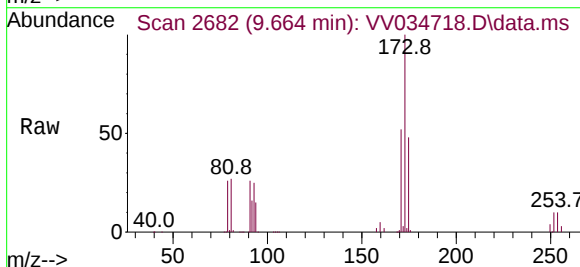
Instrument :
MSVOA_V
ClientSampleId :

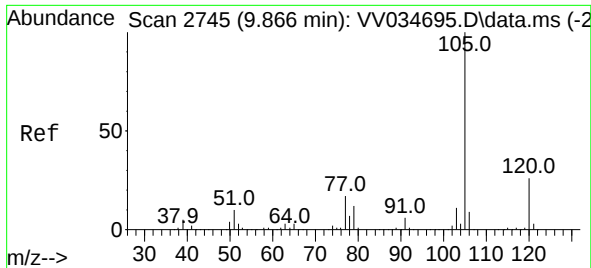
Tgt Ion: 83 Resp: 217066
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.2
131 10.2 8.3 12.5



#59
Bromoform
Concen: 51.599 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Tgt Ion: 173 Resp: 101080
Ion Ratio Lower Upper
173 100
175 48.1 39.1 58.7
254 9.9 7.8 11.8

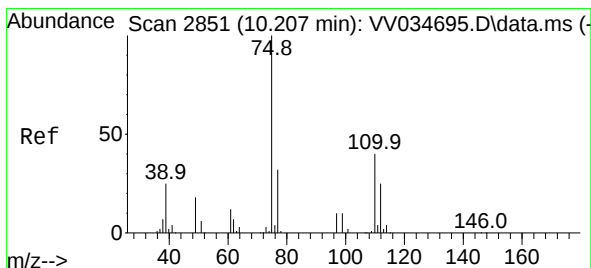
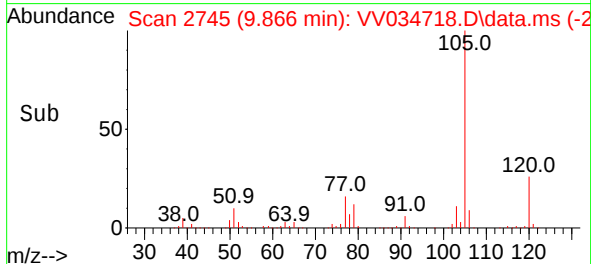
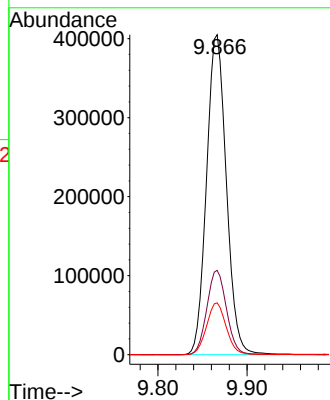
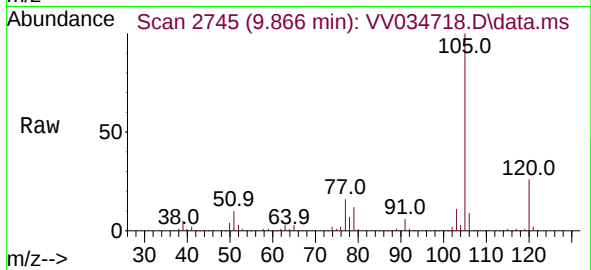




#60
Isopropylbenzene
Concen: 50.001 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

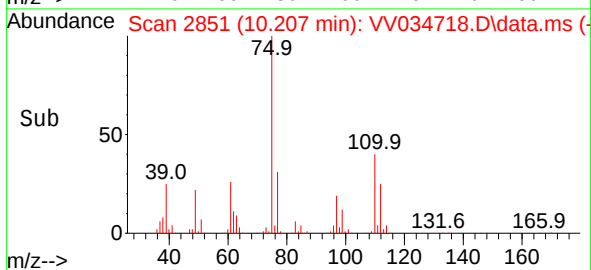
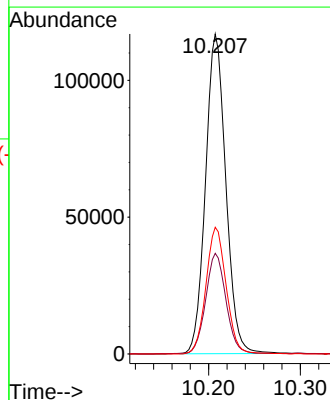
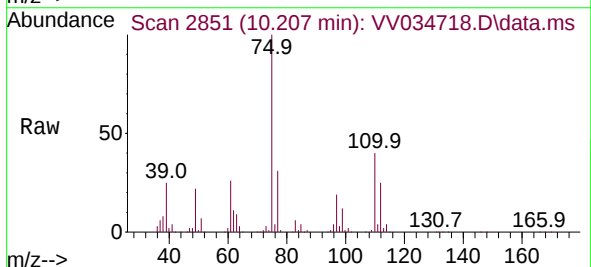
Instrument :
MSVOA_V
ClientSampleId :

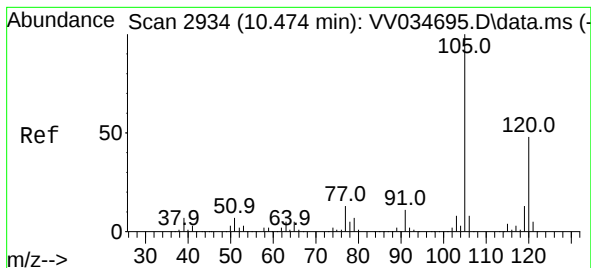
Tgt Ion:105 Resp: 624826
Ion Ratio Lower Upper
105 100
120 26.2 20.8 31.2
77 16.1 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 53.293 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV034718.D
Acq: 19 Mar 2024 00:18

Tgt Ion: 75 Resp: 179743
Ion Ratio Lower Upper
75 100
77 31.4 25.9 38.9
110 39.5 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 50.118 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

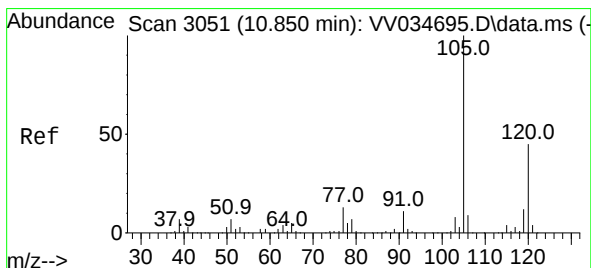
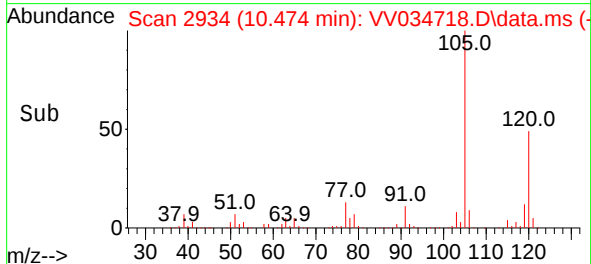
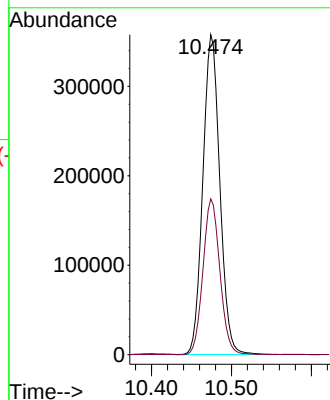
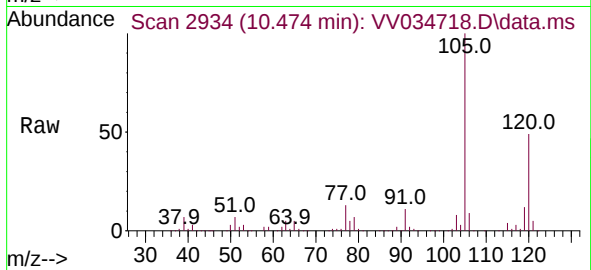
ClientSampleId :

Tgt Ion:105 Resp: 528306

Ion Ratio Lower Upper

105 100

120 48.7 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 50.968 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034718.D

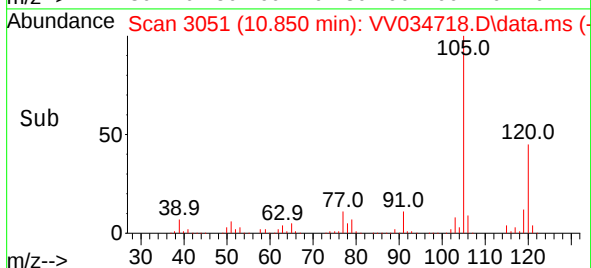
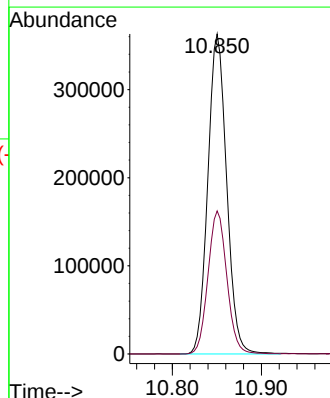
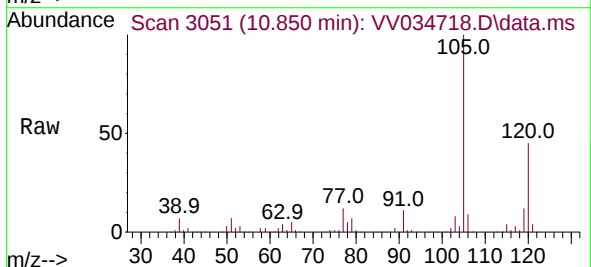
Acq: 19 Mar 2024 00:18

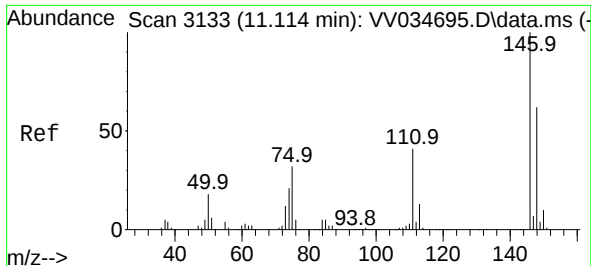
Tgt Ion:105 Resp: 531374

Ion Ratio Lower Upper

105 100

120 44.8 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 50.058 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

ClientSampleId :

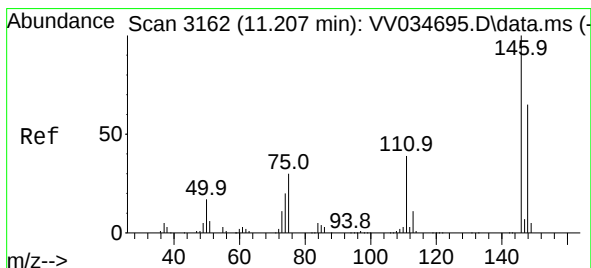
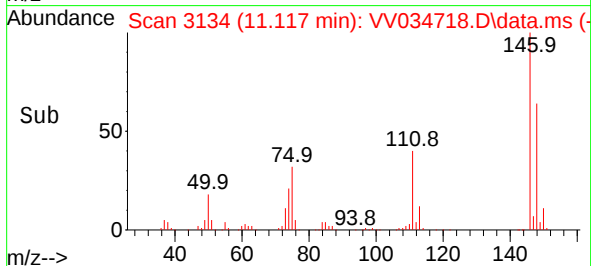
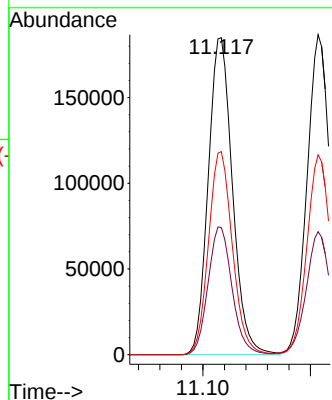
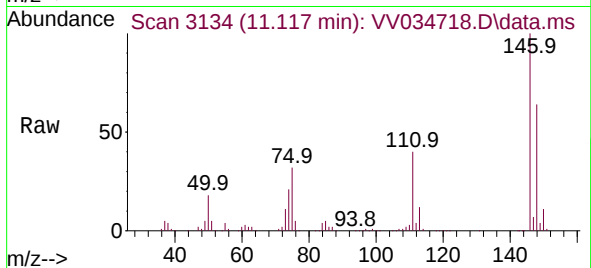
Tgt Ion:146 Resp: 289220

Ion Ratio Lower Upper

146 100

111 40.2 27.9 51.7

148 64.1 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 49.239 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

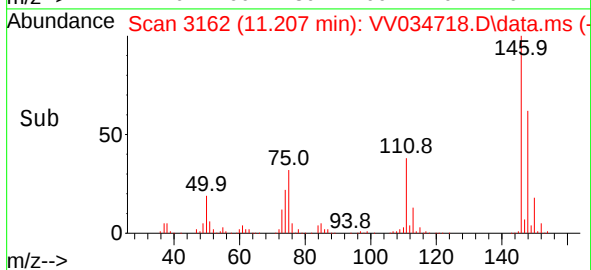
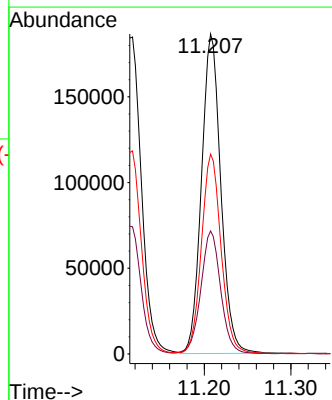
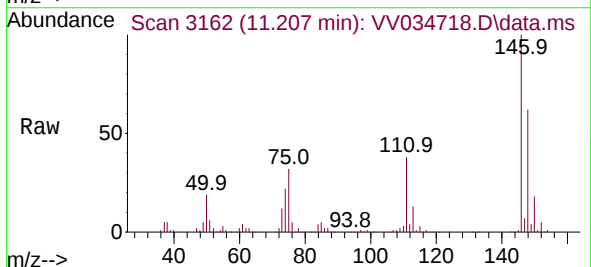
Tgt Ion:146 Resp: 288900

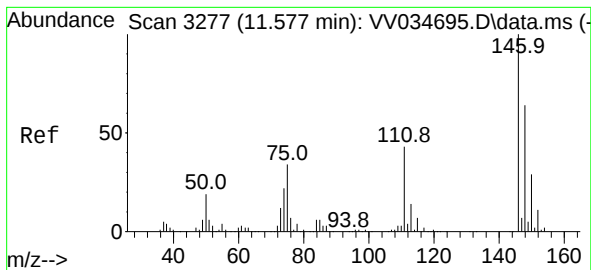
Ion Ratio Lower Upper

146 100

111 38.5 26.5 49.1

148 62.5 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 50.183 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

ClientSampleId :

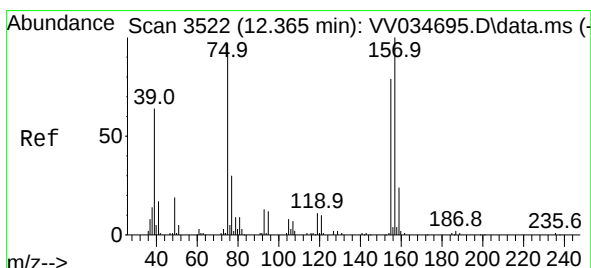
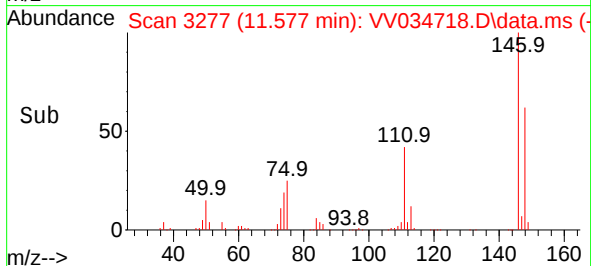
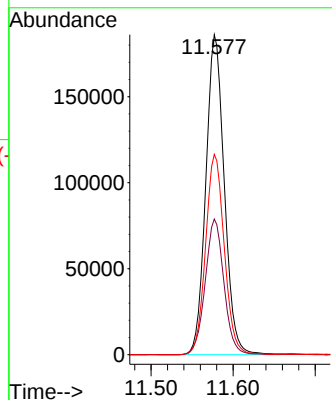
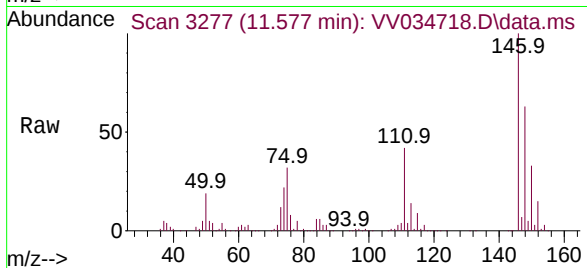
Tgt Ion:146 Resp: 290537

Ion Ratio Lower Upper

146 100

111 42.4 33.8 50.8

148 62.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 52.107 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

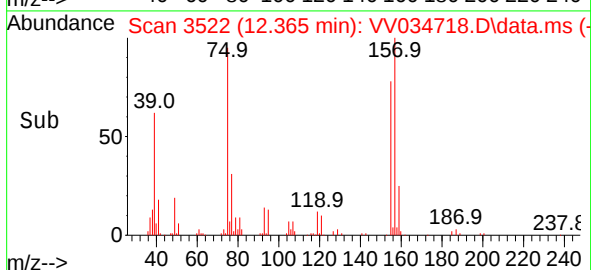
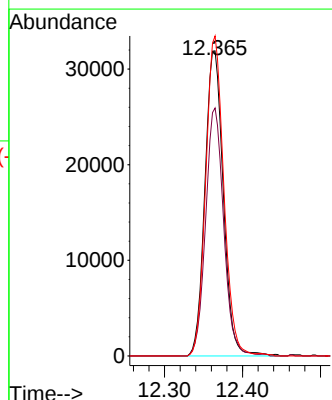
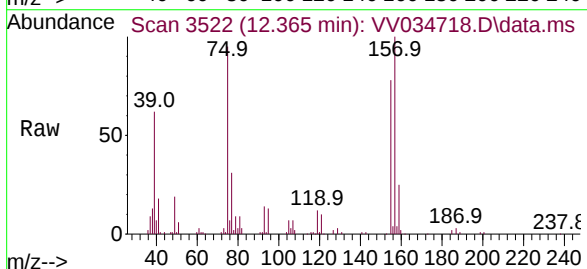
Tgt Ion: 75 Resp: 52352

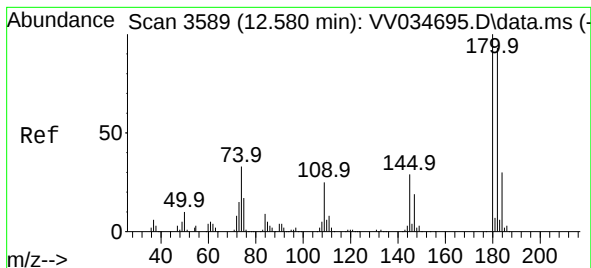
Ion Ratio Lower Upper

75 100

155 81.3 63.3 94.9

157 104.9 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 46.343 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

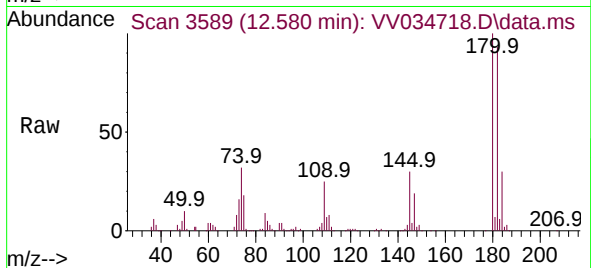
Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 200869

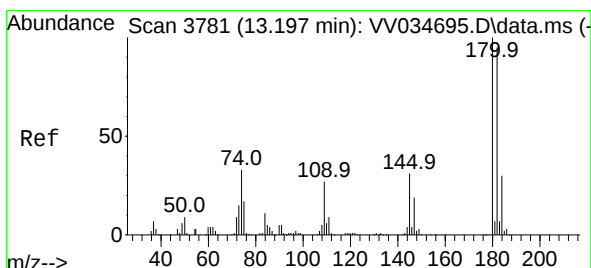
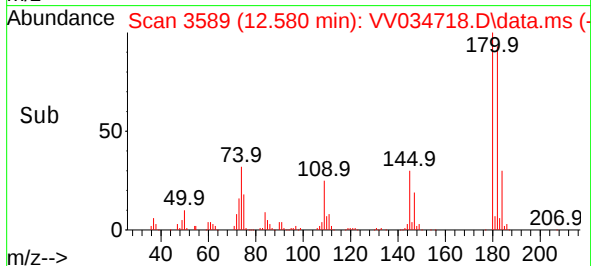
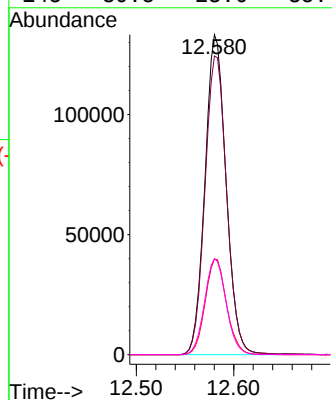
Ion Ratio Lower Upper

180 100

182 95.9 74.6 112.0

184 30.2 23.6 35.4

145 30.5 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 47.271 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

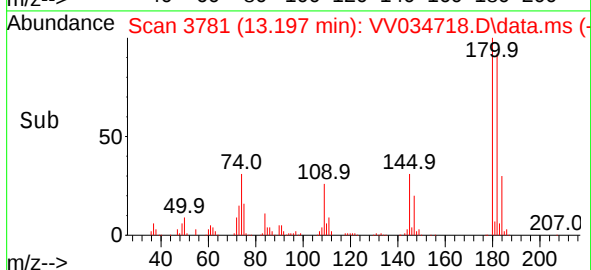
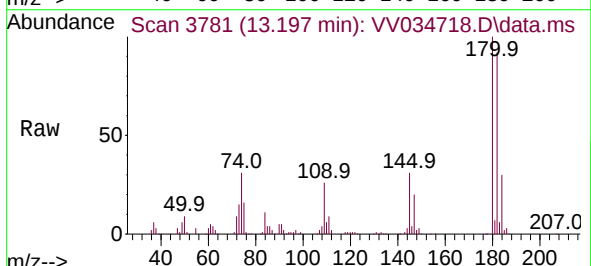
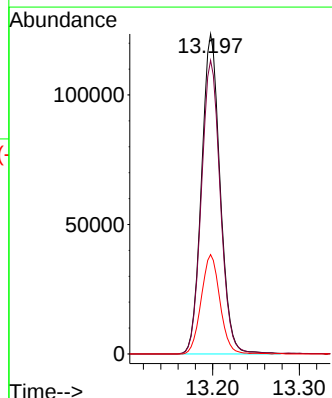
Tgt Ion:180 Resp: 184364

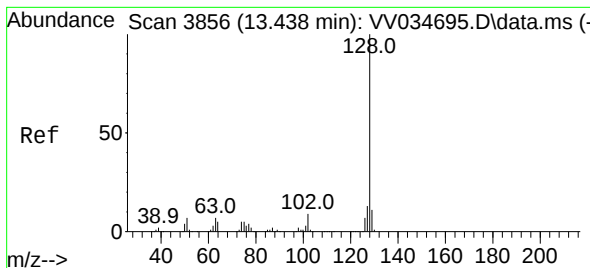
Ion Ratio Lower Upper

180 100

182 92.9 74.8 112.2

145 31.1 24.2 36.4





#71

Naphthalene

Concen: 48.342 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Instrument :

MSVOA_V

ClientSampleId :

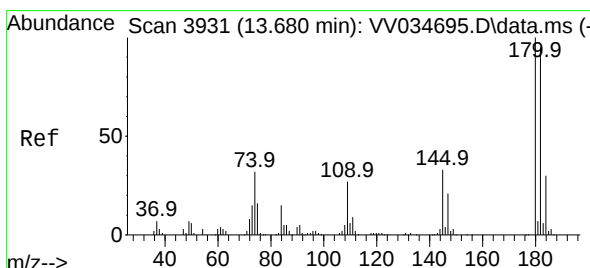
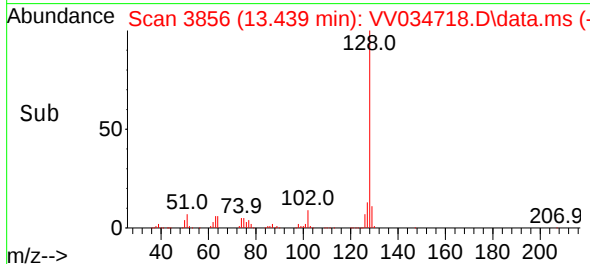
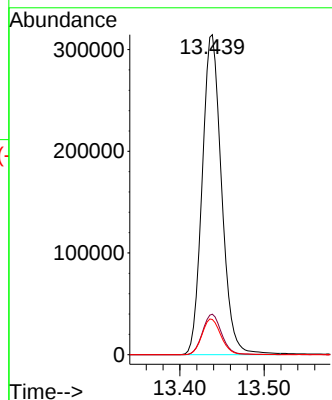
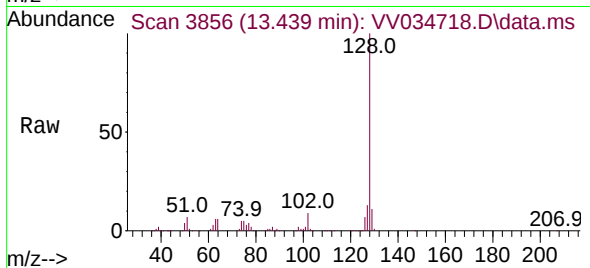
Tgt Ion:128 Resp: 504334

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 11.1 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 49.384 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV034718.D

Acq: 19 Mar 2024 00:18

Tgt Ion:180 Resp: 187894

Ion Ratio Lower Upper

180 100

182 96.0 75.9 113.9

145 33.1 25.5 38.3

