

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122023\
 Data File : VW033497.D
 Acq On : 20 Dec 2023 09:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 21 01:41:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 20 00:24:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	294314	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	298064	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	158759	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	110065	48.562	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.120%
7) Chloroethane-d5	1.532	69	96139	47.267	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.540%
11) 1,1-Dichloroethene-d2	2.060	65	49784	44.125	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.260%
21) 2-Butanone-d5	3.780	46	107396	94.019	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.020%
24) Chloroform-d	4.246	84	208632	46.535	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.080%
26) 1,2-Dichloroethane-d4	4.937	65	130713	47.461	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.920%
32) Benzene-d6	4.957	84	394662	49.162	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.320%
36) 1,2-Dichloropropane-d6	5.986	67	120664	49.525	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.040%
41) Toluene-d8	7.240	98	357104	48.615	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.220%
43) trans-1,3-Dichloroprop...	7.551	79	56807	47.574	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.140%
47) 2-Hexanone-d5	8.021	63	73195	89.318	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.320%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	155833	44.501	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	133601	44.782	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	109838	45.425	ug/L	98
3) Chloromethane	1.214	50	113196	50.849	ug/L	98
5) Vinyl chloride	1.285	62	117750	49.341	ug/L	99
6) Bromomethane	1.484	94	74498	43.610	ug/L	100
8) Chloroethane	1.548	64	81408	50.530	ug/L	98
9) Trichlorofluoromethane	1.712	101	184934	44.193	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	114099	46.735	ug/L	97
12) 1,1-Dichloroethene	2.069	96	95002	45.806	ug/L	97
13) Acetone	2.108	43	135625	102.286	ug/L	97
14) Carbon disulfide	2.240	76	250927	47.345	ug/L	99
15) Methyl Acetate	2.368	43	100483	53.063	ug/L	93
16) Methylene chloride	2.446	84	111635	48.194	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	96752	49.354	ug/L	91
18) Methyl tert-butyl Ether	2.700	73	306597	51.501	ug/L	97
19) 1,1-Dichloroethane	3.108	63	199373	53.064	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	108607	48.863	ug/L	93
22) 2-Butanone	3.860	43	144973	110.978	ug/L	96
23) Bromochloromethane	4.140	128	56977	46.767	ug/L	90
25) Chloroform	4.272	83	210547	49.795	ug/L	96

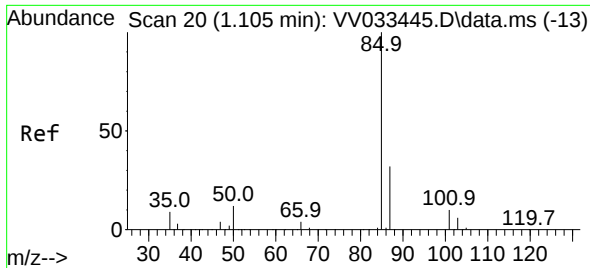
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122023\
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 Quant Title : VOC Analysis
 QLast Update : Wed Dec 20 00:24:21 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	164467	50.462	ug/L	97
29) Cyclohexane	4.580	56	151255	56.303	ug/L	93
30) 1,1,1-Trichloroethane	4.510	97	179040	48.651	ug/L	98
31) Carbon tetrachloride	4.732	117	158360	48.084	ug/L	96
33) Benzene	5.008	78	423132	53.261	ug/L	100
34) Trichloroethene	5.831	95	110267	50.591	ug/L	94
35) Methylcyclohexane	6.050	83	163523	52.309	ug/L	95
37) 1,2-Dichloropropane	6.088	63	114811	53.288	ug/L	99
38) Bromodichloromethane	6.429	83	154411	49.795	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	163744	52.241	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	266751	116.018	ug/L	96
42) Toluene	7.313	91	451544	53.625	ug/L	97
44) trans-1,3-Dichloropropene	7.577	75	163623	52.022	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	111118	49.482	ug/L	98
46) Tetrachloroethene	7.902	164	79453	46.653	ug/L	96
48) 2-Hexanone	8.072	43	223314	116.450	ug/L	97
49) Dibromochloromethane	8.175	129	112974	47.577	ug/L	99
50) 1,2-Dibromoethane	8.281	107	111784	48.291	ug/L	99
51) Chlorobenzene	8.812	112	291624	48.057	ug/L	96
52) Ethylbenzene	8.944	91	496342	52.928	ug/L	100
53) m,p-Xylene	9.072	106	186027	52.800	ug/L	98
54) o-Xylene	9.477	106	179087	52.348	ug/L	97
55) Styrene	9.493	104	330973	54.818	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	167268	48.499	ug/L	99
59) Bromoform	9.664	173	73457	44.848	ug/L	99
60) Isopropylbenzene	9.866	105	495584	54.971	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	127613	50.151	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	373467	54.659	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	393886	55.506	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	234219	49.987	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	242793	48.145	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	236632	48.520	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	31373	45.515	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	157278	48.536	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	132809	46.886	ug/L	99
71) Naphthalene	13.439	128	317136	41.612	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	134578	48.573	ug/L	98

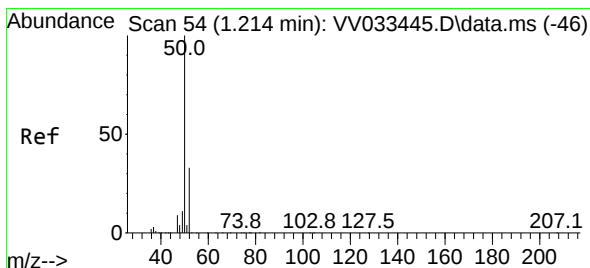
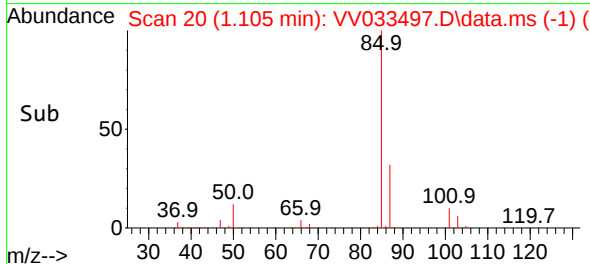
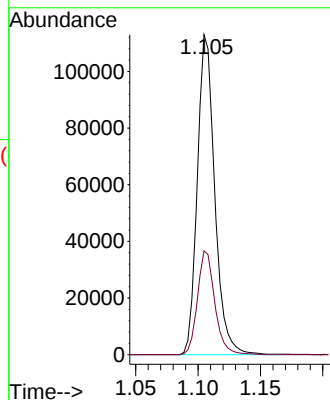
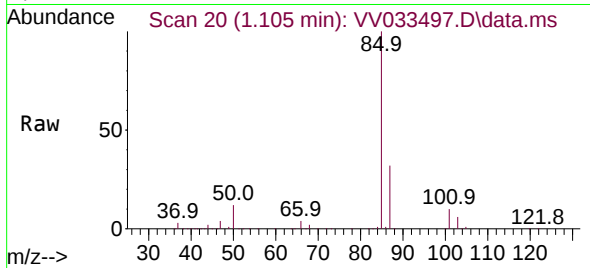
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 45.425 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033497.D
 Acq: 20 Dec 2023 09:31

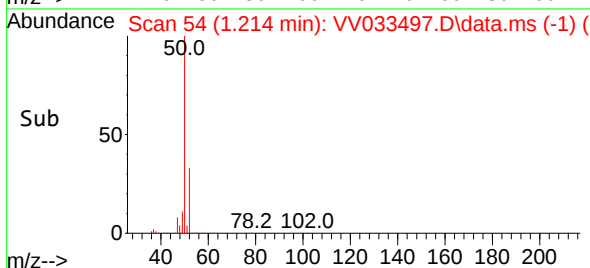
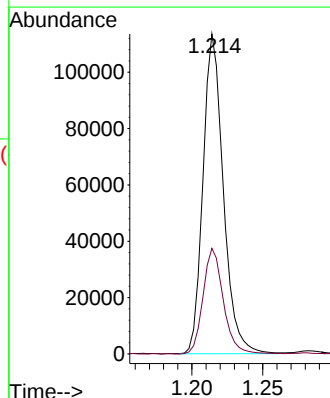
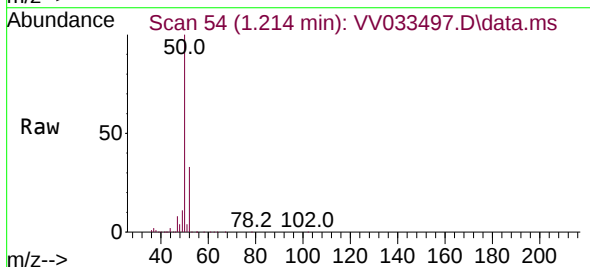
Instrument :
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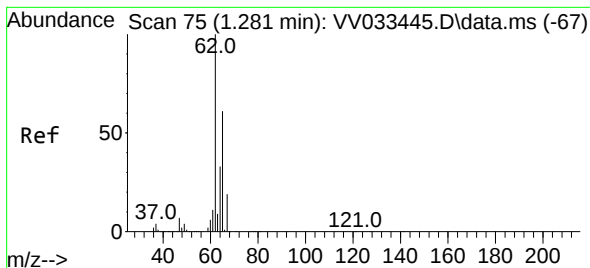
Tgt Ion: 85 Resp: 109838
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.6 39.8



#3
 Chloromethane
 Concen: 50.849 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033497.D
 Acq: 20 Dec 2023 09:31

Tgt Ion: 50 Resp: 113196
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.3 41.5





#5

Vinyl chloride

Concen: 49.341 ug/L

RT: 1.285 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

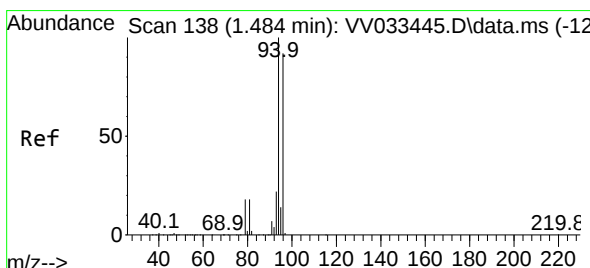
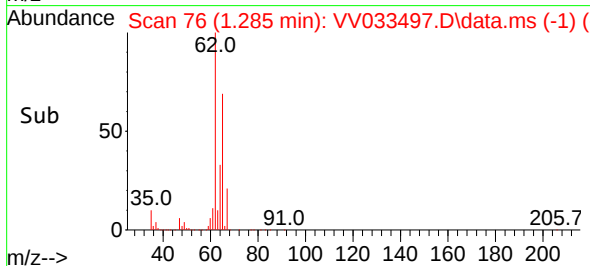
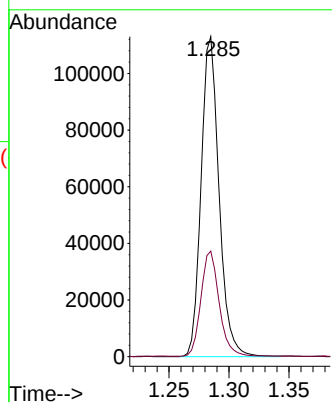
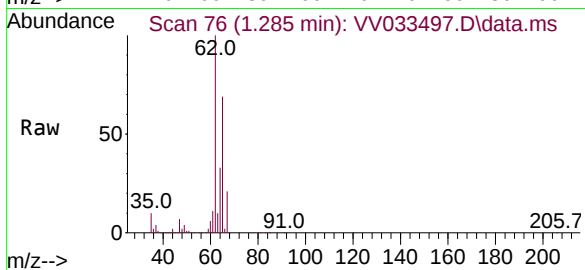
ClientSampleId :

Tgt Ion: 62 Resp: 117750

Ion Ratio Lower Upper

62 100

64 33.0 23.4 43.6



#6

Bromomethane

Concen: 43.610 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV033497.D

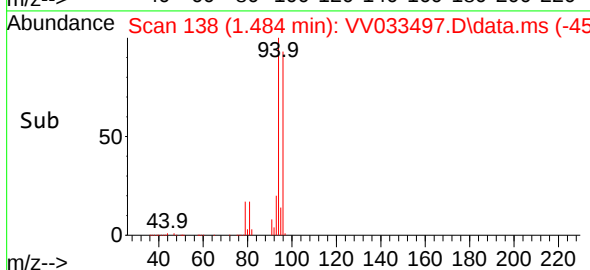
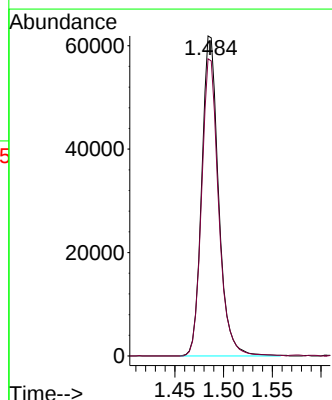
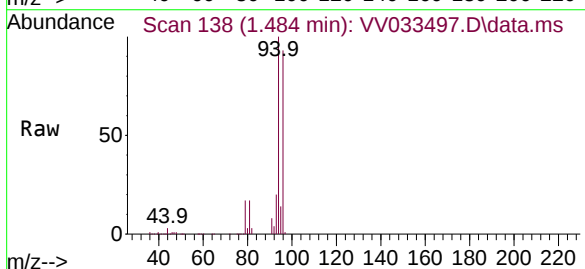
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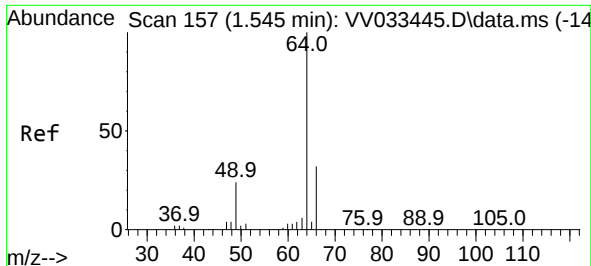
Tgt Ion: 94 Resp: 74498

Ion Ratio Lower Upper

94 100

96 92.9 65.1 120.9

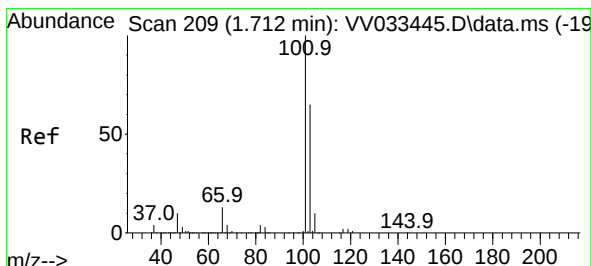
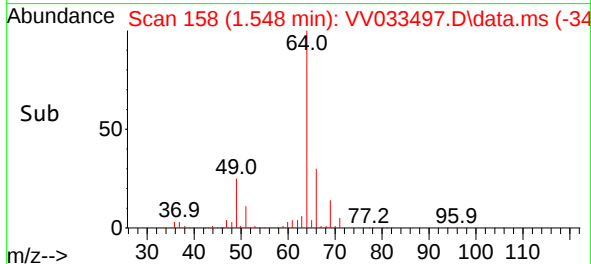
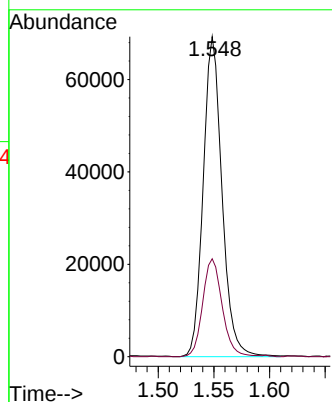
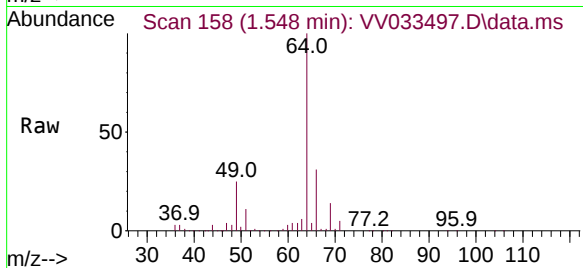




#8
Chloroethane
Concen: 50.530 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

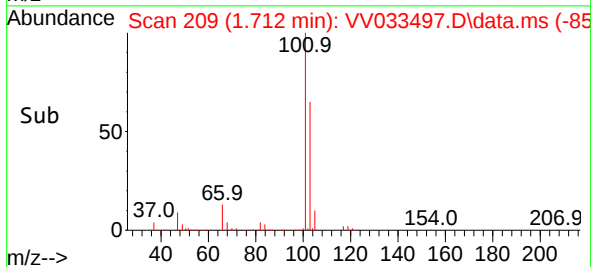
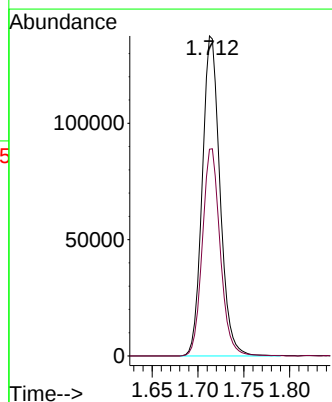
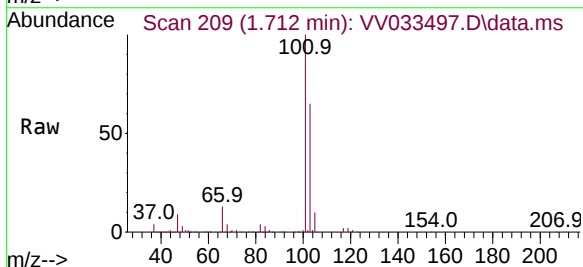
Instrument :
MSVOA_V
ClientSampleId :

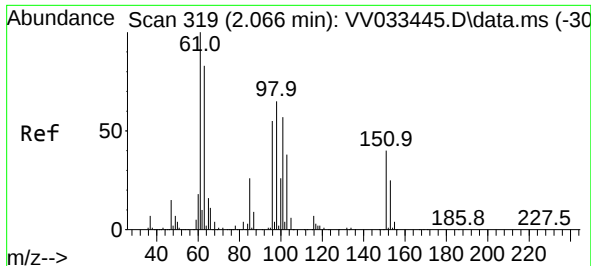
Tgt Ion: 64 Resp: 81408
Ion Ratio Lower Upper
64 100
66 30.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 44.193 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Tgt Ion:101 Resp: 184934
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.4

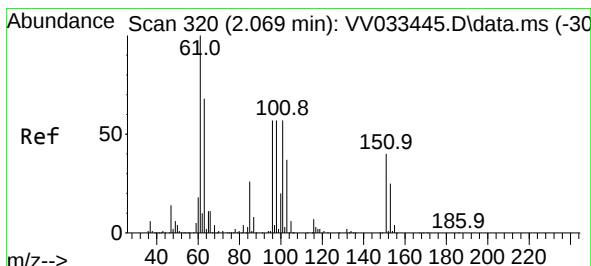
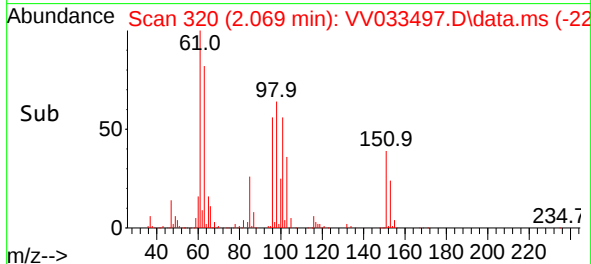
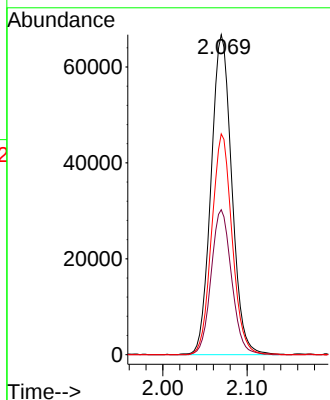
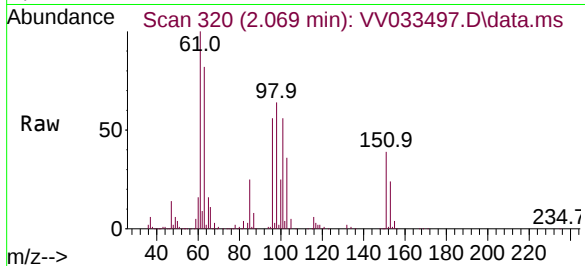




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.735 ug/L
 RT: 2.069 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV033497.D
 Acq: 20 Dec 2023 09:31

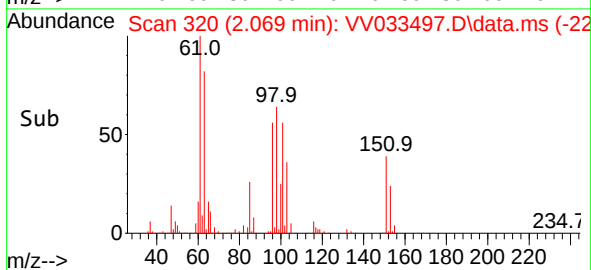
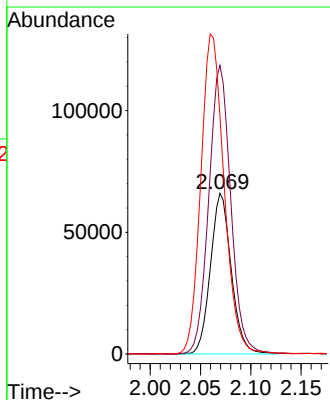
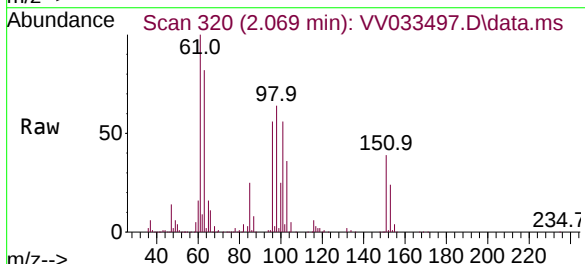
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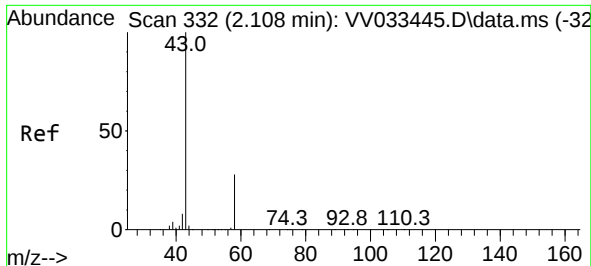
Tgt Ion:101 Resp: 114099
 Ion Ratio Lower Upper
 101 100
 85 44.5 36.6 54.8
 151 68.0 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 45.806 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV033497.D
 Acq: 20 Dec 2023 09:31

Tgt Ion: 96 Resp: 95002
 Ion Ratio Lower Upper
 96 100
 61 179.7 124.3 230.8
 63 148.1 108.1 200.7





#13

Acetone

Concen: 102.286 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

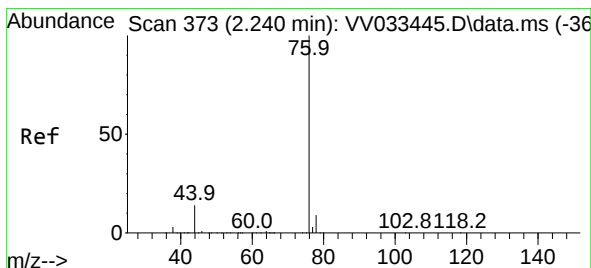
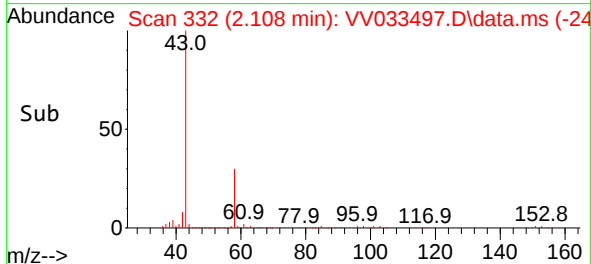
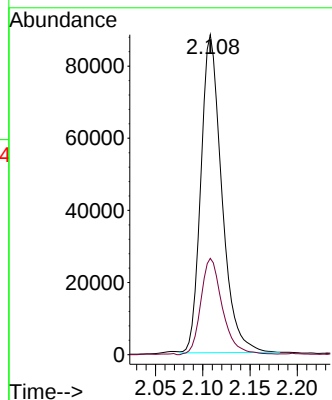
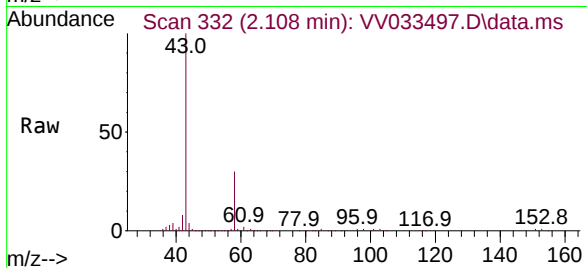
ClientSampleId :

Tgt Ion: 43 Resp: 135625

Ion Ratio Lower Upper

43 100

58 31.4 0.0 59.2



#14

Carbon disulfide

Concen: 47.345 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV033497.D

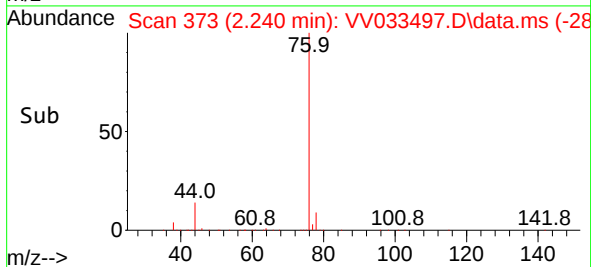
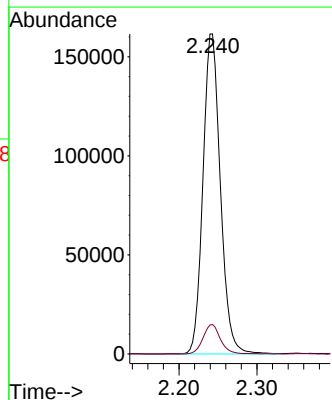
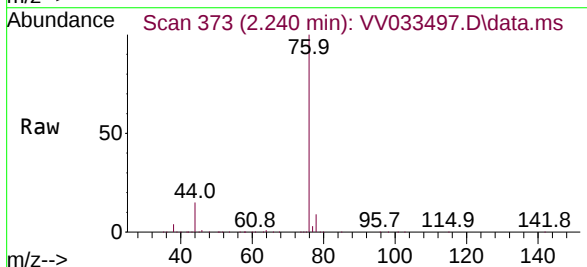
Acq: 20 Dec 2023 09:31

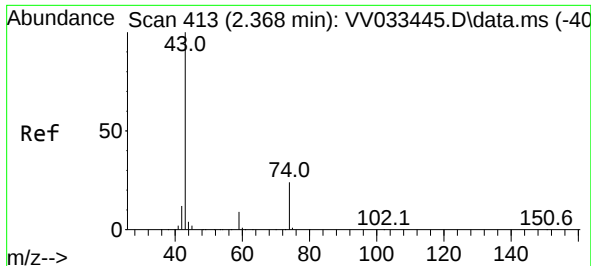
Tgt Ion: 76 Resp: 250927

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

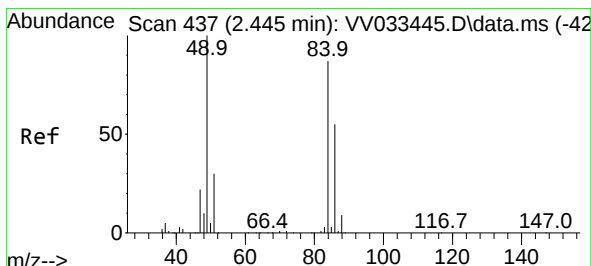
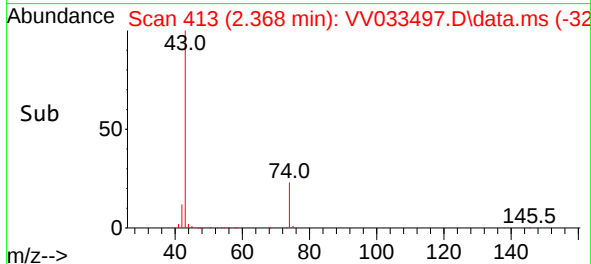
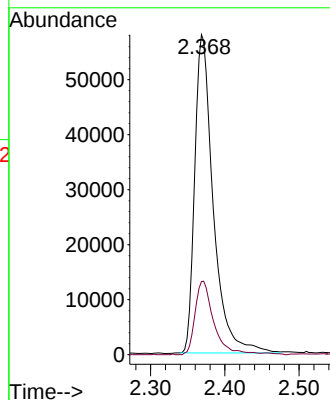
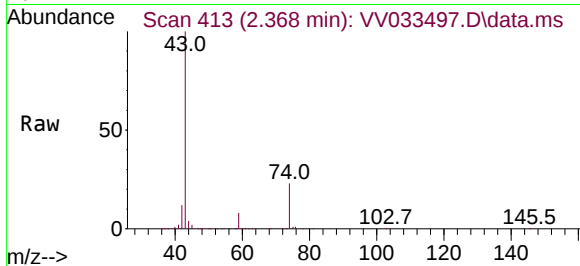




#15
Methyl Acetate
Concen: 53.063 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.003 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

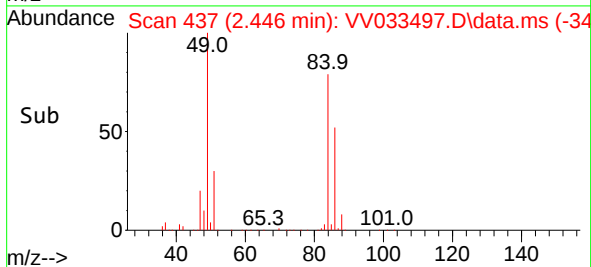
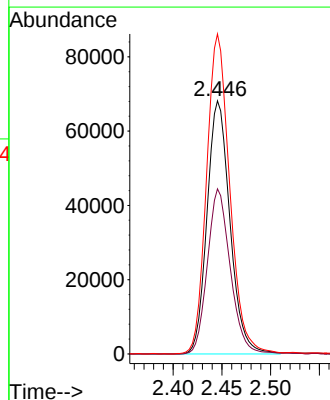
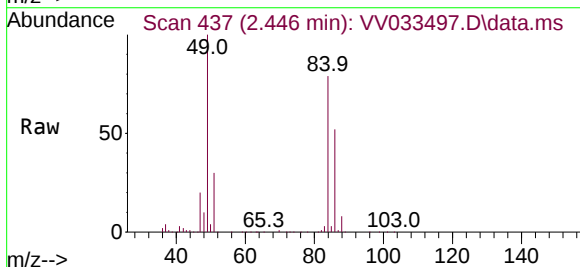
Instrument :
MSVOA_V
ClientSampleId :

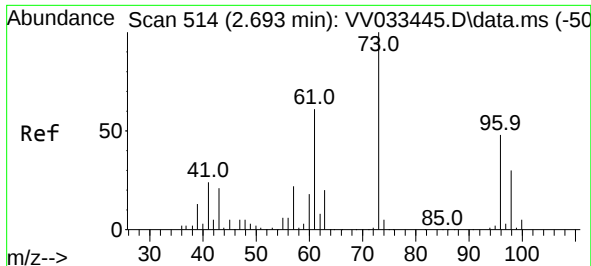
Tgt Ion: 43 Resp: 100483
Ion Ratio Lower Upper
43 100
74 22.3 20.8 31.2



#16
Methylene chloride
Concen: 48.194 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Tgt Ion: 84 Resp: 111635
Ion Ratio Lower Upper
84 100
86 65.2 45.4 84.2
49 126.4 83.3 154.7

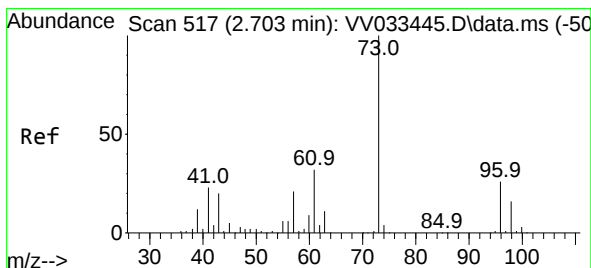
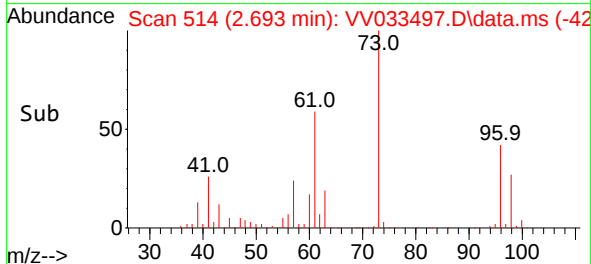
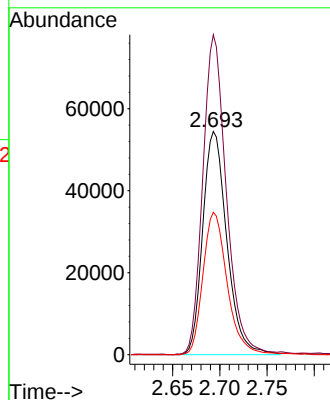
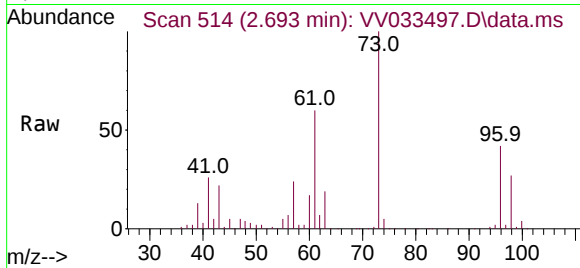




#17
trans-1,2-Dichloroethene
Concen: 49.354 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

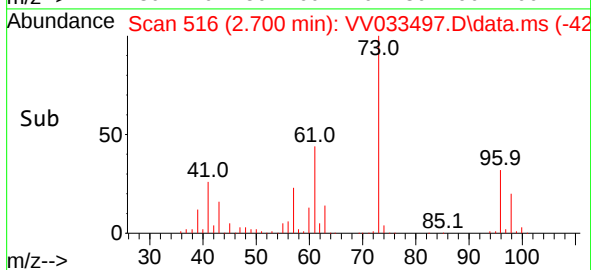
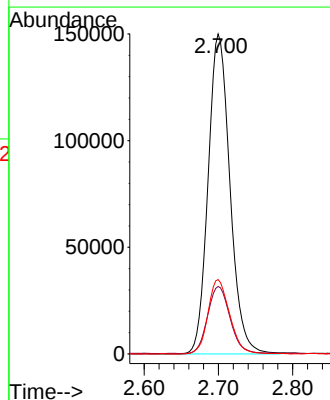
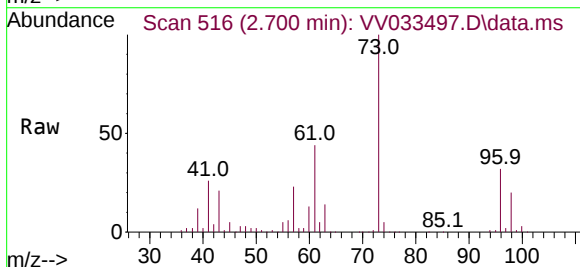
Instrument :
MSVOA_V
ClientSampleId :

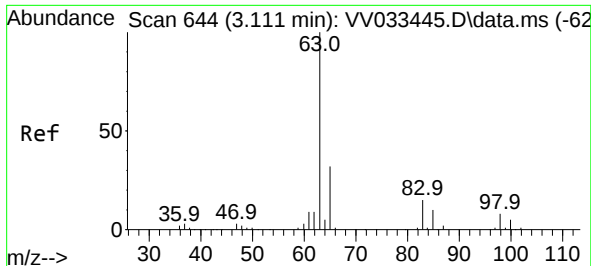
Tgt Ion: 96 Resp: 96752
Ion Ratio Lower Upper
96 100
61 143.3 89.6 166.4
98 63.8 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 51.501 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Tgt Ion: 73 Resp: 306597
Ion Ratio Lower Upper
73 100
43 21.4 16.3 24.5
57 23.1 17.3 25.9

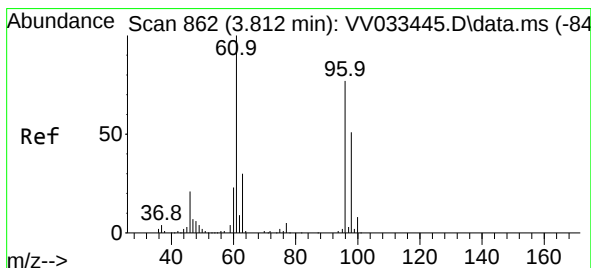
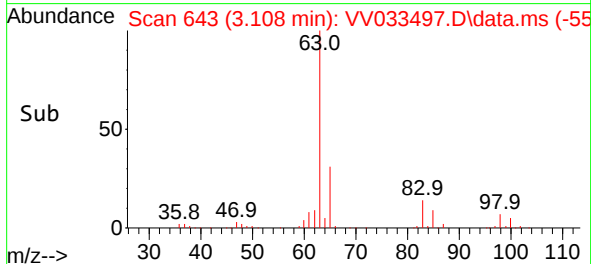
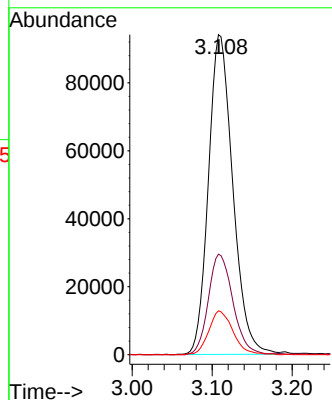
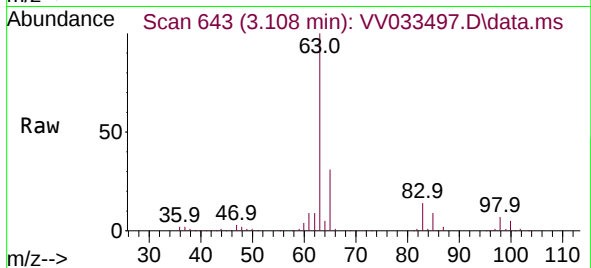




#19
1,1-Dichloroethane
Concen: 53.064 ug/L
RT: 3.108 min Scan# 644
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

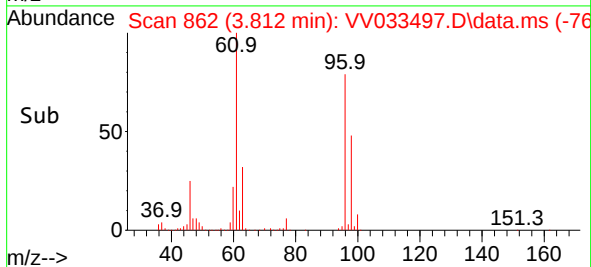
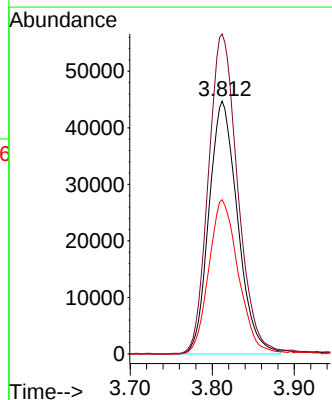
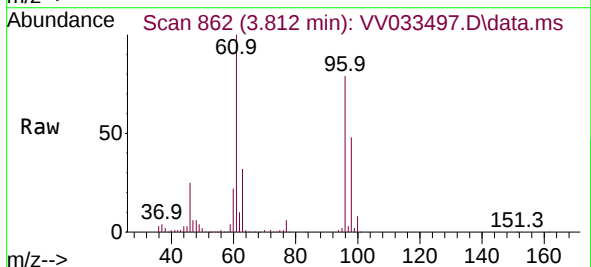
Instrument :
MSVOA_V
ClientSampleId :

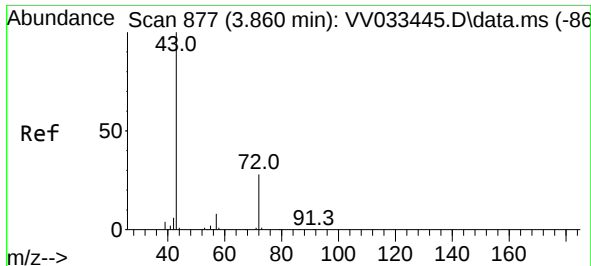
Tgt Ion: 63 Resp: 199373
Ion Ratio Lower Upper
63 100
65 31.4 21.1 39.3
83 13.7 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 48.863 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Tgt Ion: 96 Resp: 108607
Ion Ratio Lower Upper
96 100
61 126.6 81.9 152.1
98 61.0 44.3 82.3

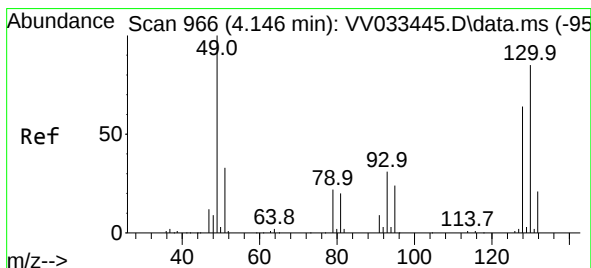
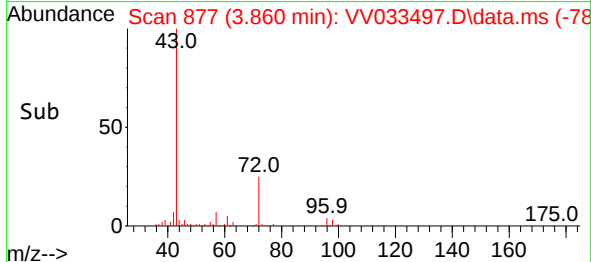
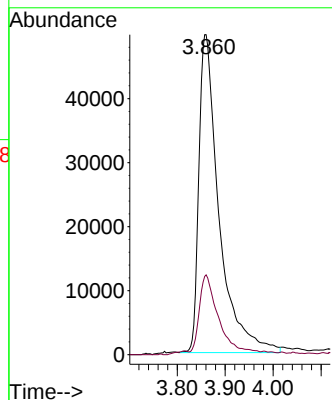
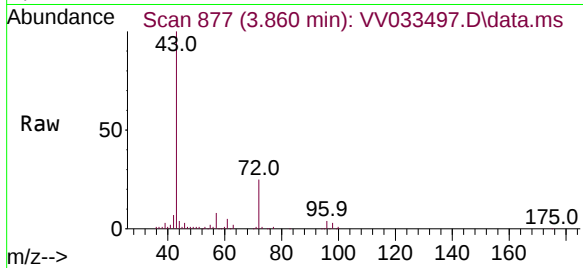




#22
2-Butanone
Concen: 110.978 ug/L
RT: 3.860 min Scan# 81
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

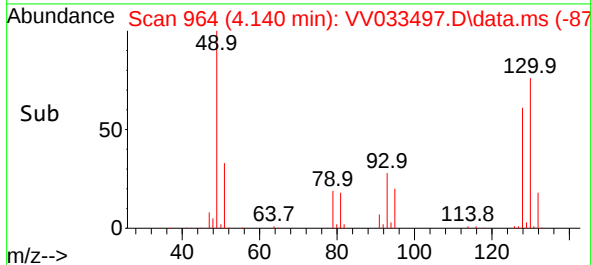
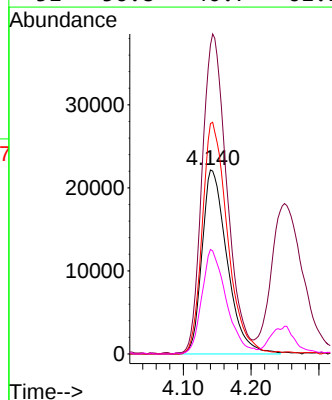
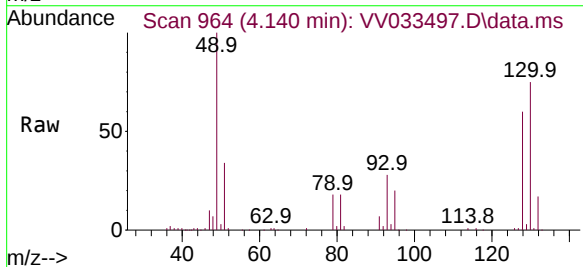
Instrument :
MSVOA_V
ClientSampleId :

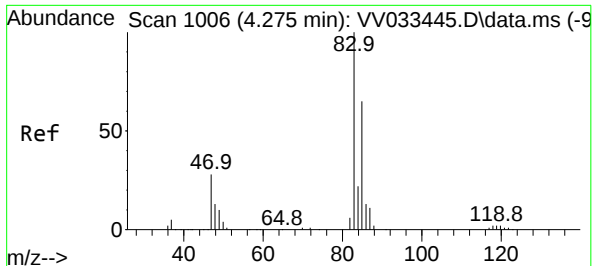
Tgt Ion: 43 Resp: 144973
Ion Ratio Lower Upper
43 100
72 22.9 12.4 37.4



#23
Bromochloromethane
Concen: 46.767 ug/L
RT: 4.140 min Scan# 964
Delta R.T. -0.003 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Tgt Ion:128 Resp: 56977
Ion Ratio Lower Upper
128 100
49 167.8 106.0 196.9
130 125.2 93.6 173.8
51 56.8 40.7 61.1





#25

Chloroform

Concen: 49.795 ug/L

RT: 4.272 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

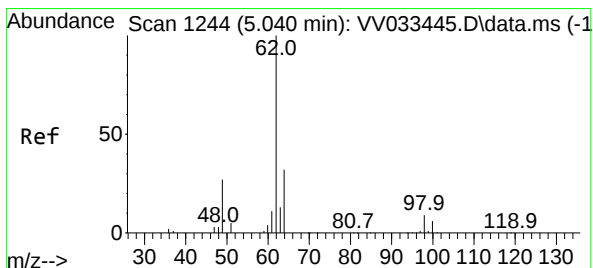
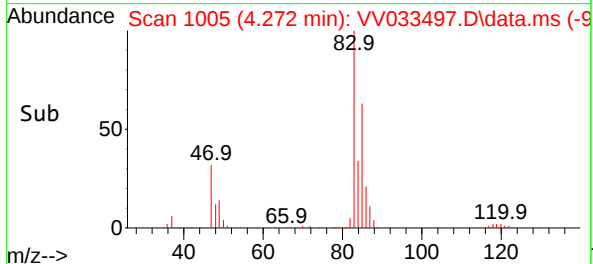
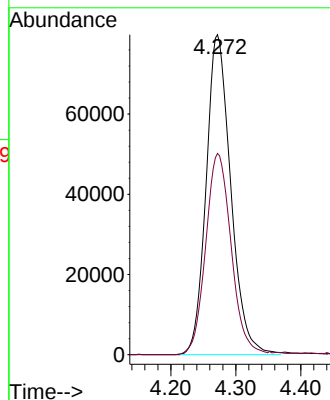
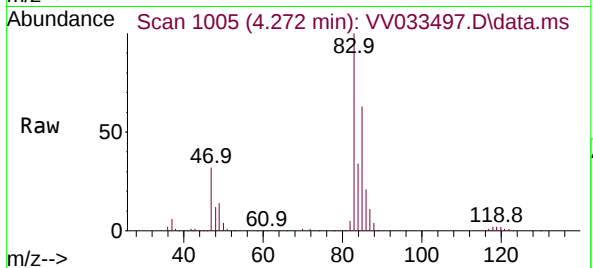
ClientSampleId :

Tgt Ion: 83 Resp: 210547

Ion Ratio Lower Upper

83 100

85 62.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 50.462 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV033497.D

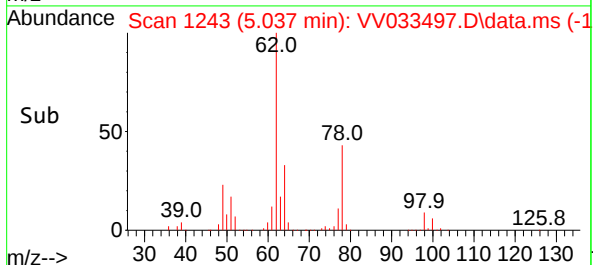
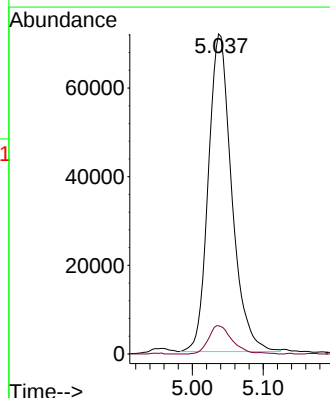
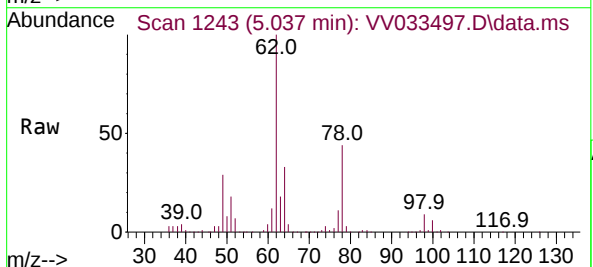
Acq: 20 Dec 2023 09:31

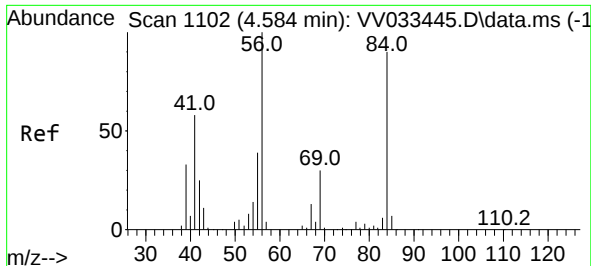
Tgt Ion: 62 Resp: 164467

Ion Ratio Lower Upper

62 100

98 8.8 8.0 12.0





#29

Cyclohexane

Concen: 56.303 ug/L

RT: 4.580 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

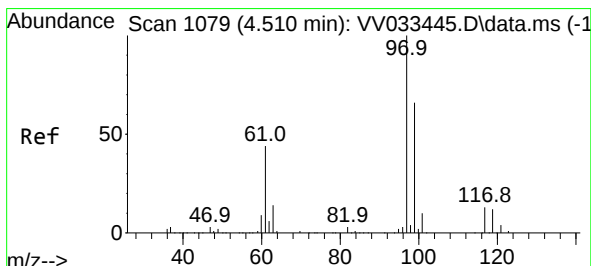
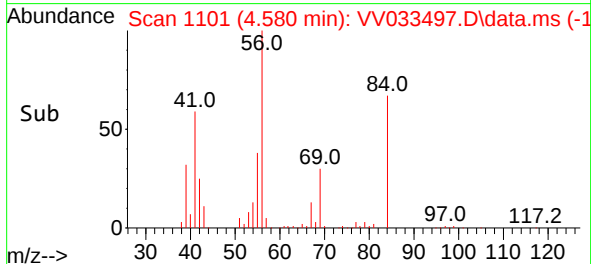
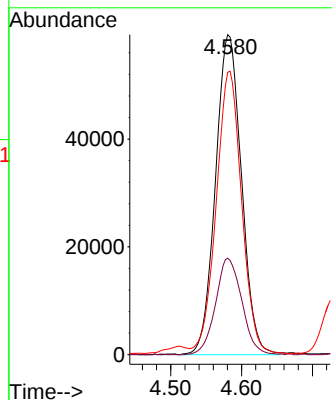
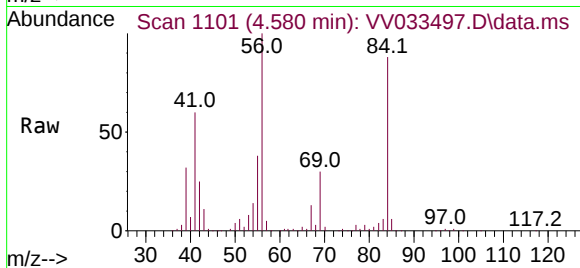
Tgt Ion: 56 Resp: 151255

Ion Ratio Lower Upper

56 100

69 30.5 25.8 38.6

84 86.2 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 48.651 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

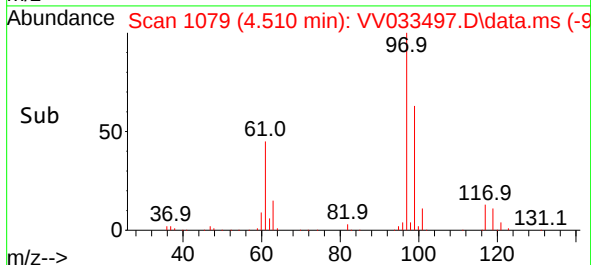
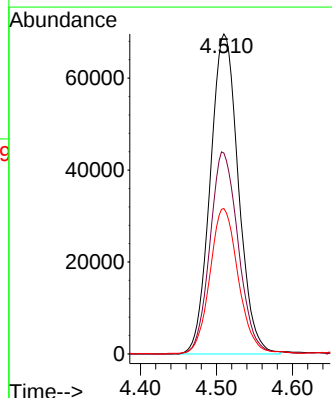
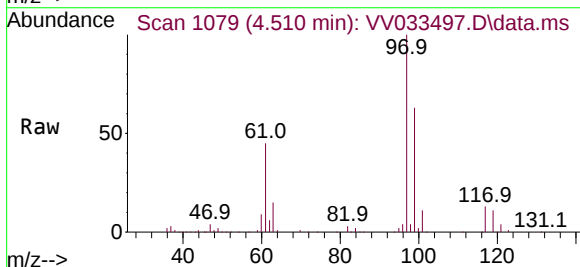
Tgt Ion: 97 Resp: 179040

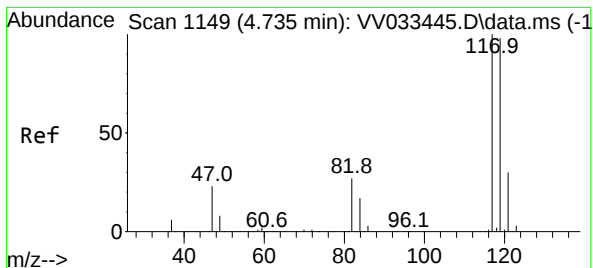
Ion Ratio Lower Upper

97 100

99 63.3 51.8 77.6

61 45.3 34.8 52.2





#31

Carbon tetrachloride

Concen: 48.084 ug/L

RT: 4.732 min Scan# 1149

Delta R.T. -0.003 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

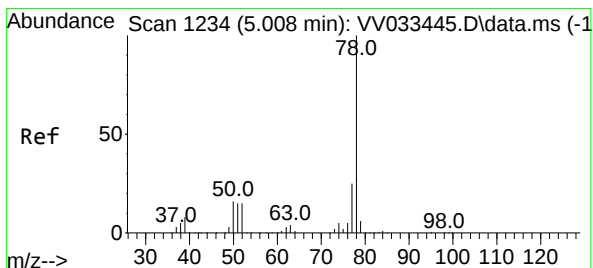
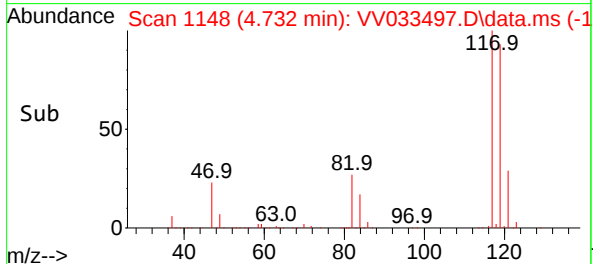
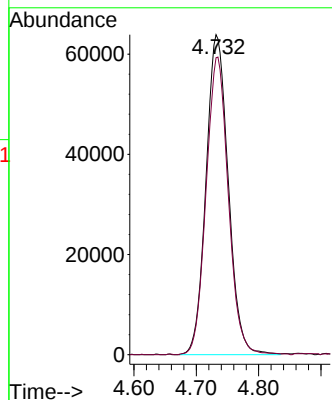
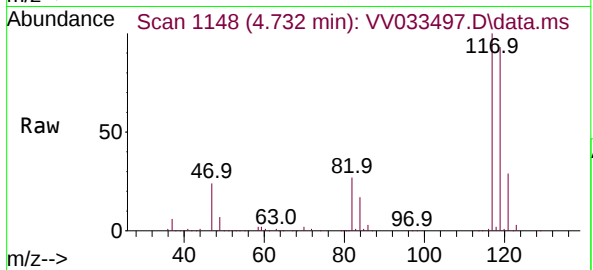
ClientSampleId :

Tgt Ion:117 Resp: 158360

Ion Ratio Lower Upper

117 100

119 92.9 77.8 116.6



#33

Benzene

Concen: 53.261 ug/L

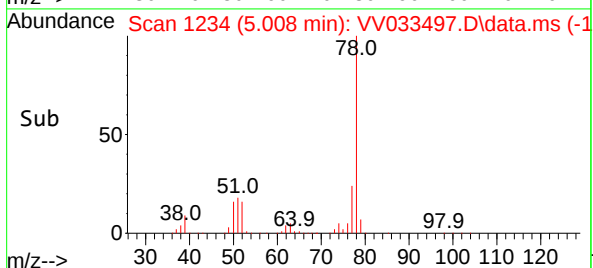
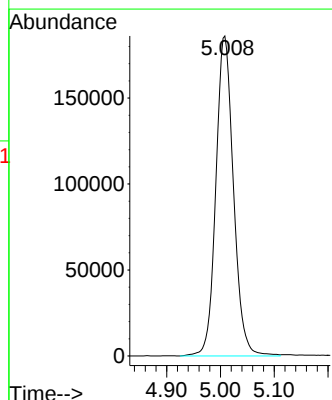
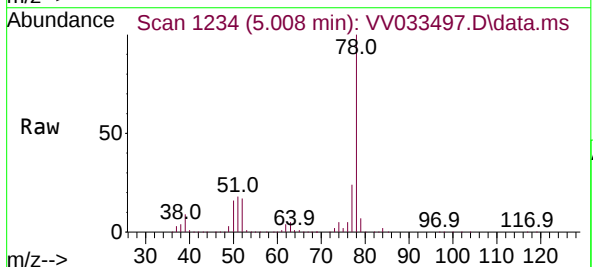
RT: 5.008 min Scan# 1234

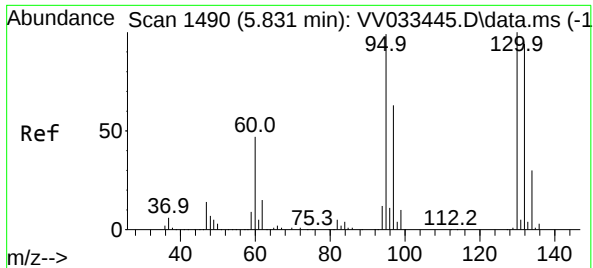
Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Tgt Ion: 78 Resp: 423132





#34

Trichloroethene

Concen: 50.591 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 110267

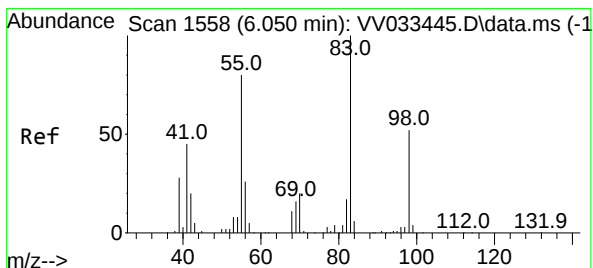
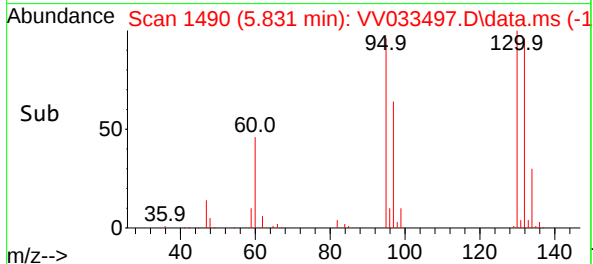
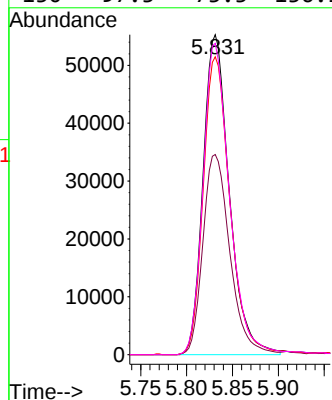
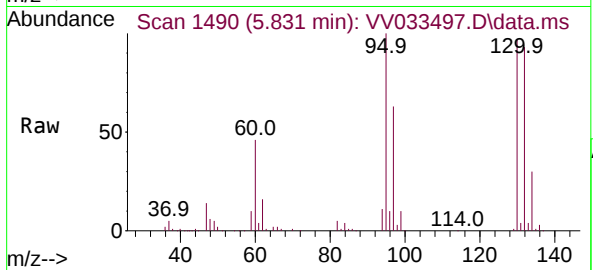
Ion Ratio Lower Upper

95 100

97 62.5 44.8 83.2

132 93.1 69.9 129.7

130 97.3 73.3 136.1



#35

Methylcyclohexane

Concen: 52.309 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

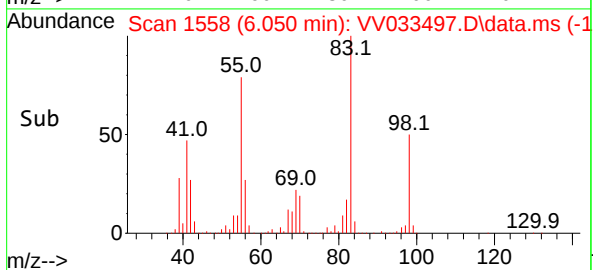
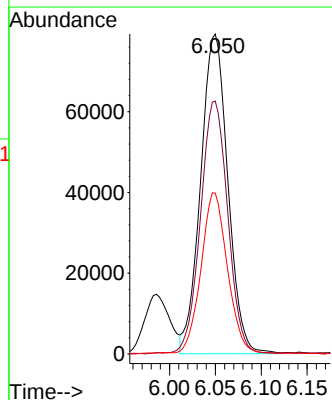
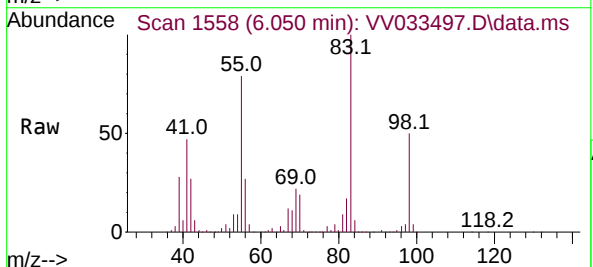
Tgt Ion: 83 Resp: 163523

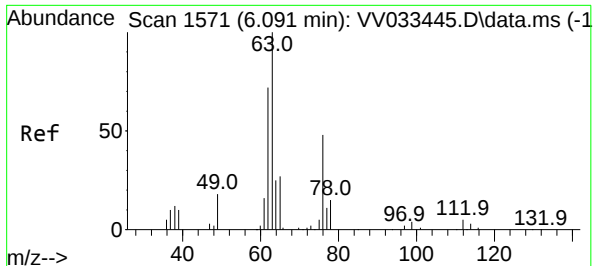
Ion Ratio Lower Upper

83 100

55 79.2 58.6 88.0

98 48.8 40.9 61.3





#37

1,2-Dichloropropane

Concen: 53.288 ug/L

RT: 6.088 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

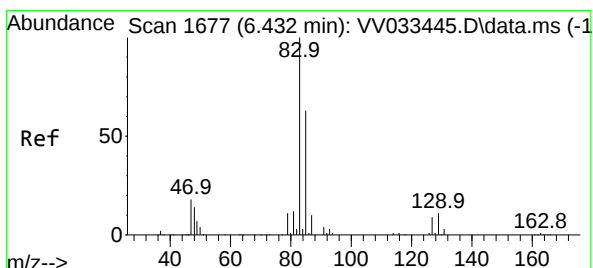
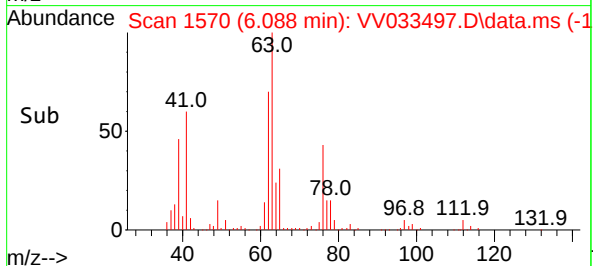
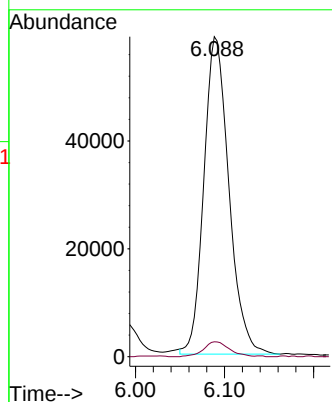
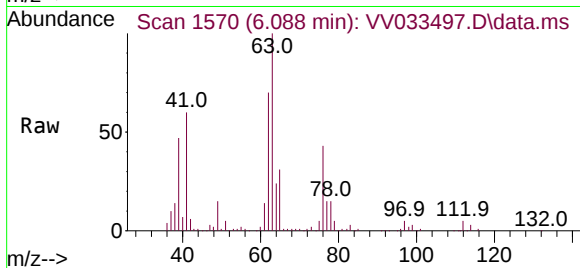
ClientSampleId :

Tgt Ion: 63 Resp: 114811

Ion Ratio Lower Upper

63 100

112 4.9 3.7 5.5



#38

Bromodichloromethane

Concen: 49.795 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

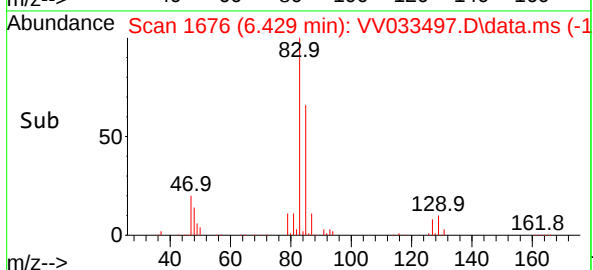
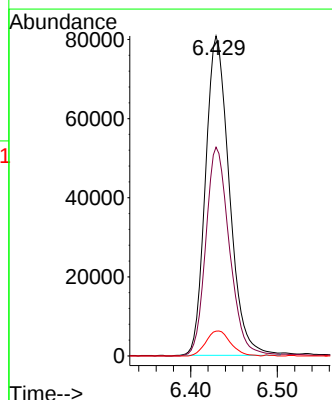
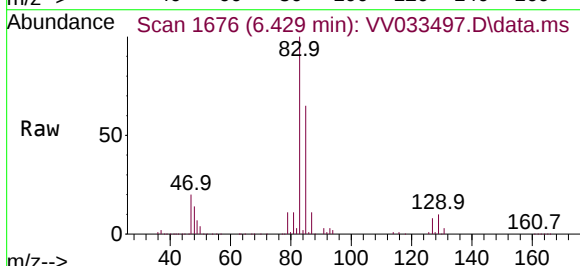
Tgt Ion: 83 Resp: 154411

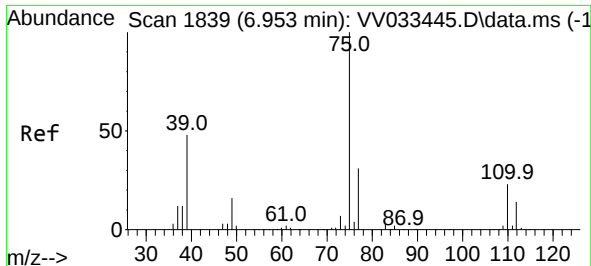
Ion Ratio Lower Upper

83 100

85 65.3 45.2 84.0

127 7.8 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 52.241 ug/L

RT: 6.950 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

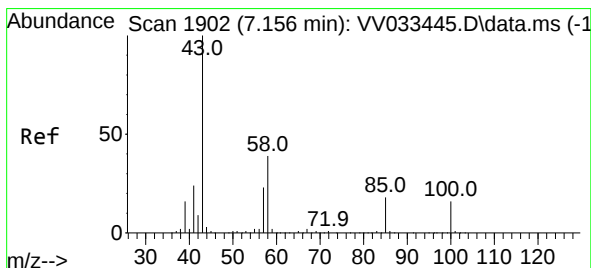
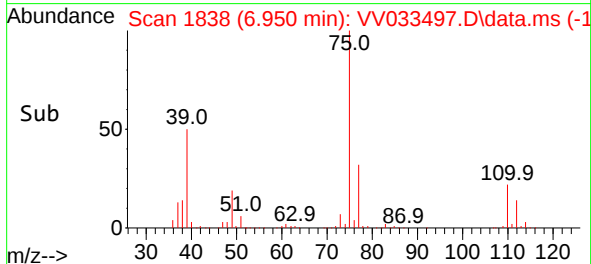
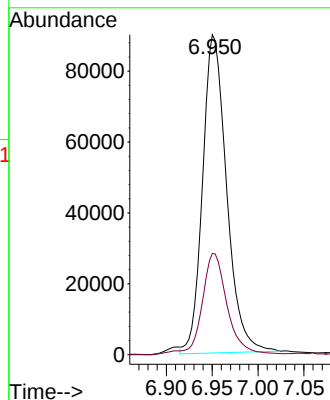
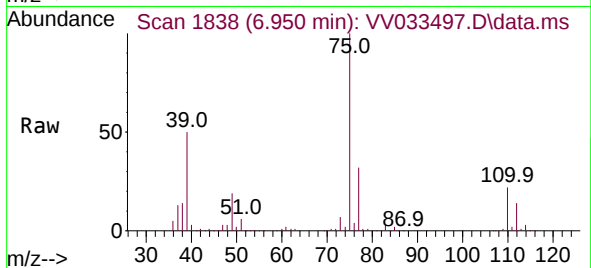
ClientSampleId :

Tgt Ion: 75 Resp: 163744

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 116.018 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

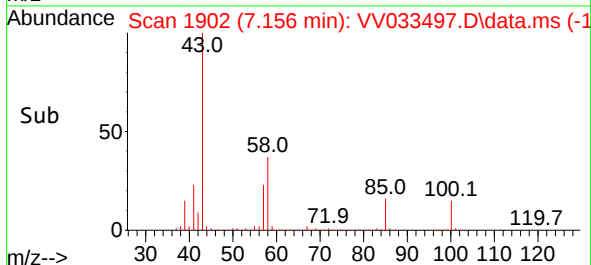
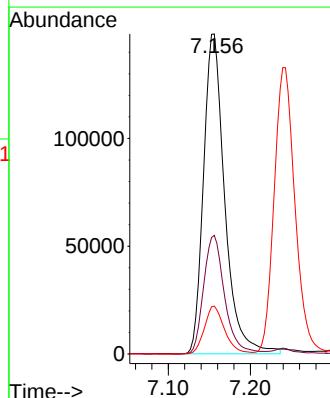
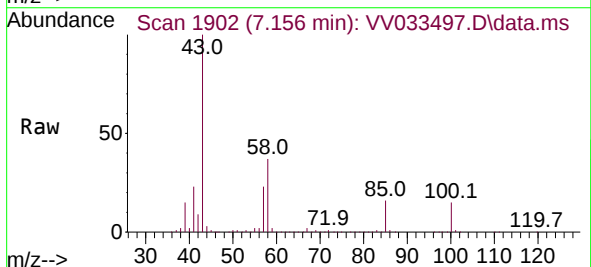
Tgt Ion: 43 Resp: 266751

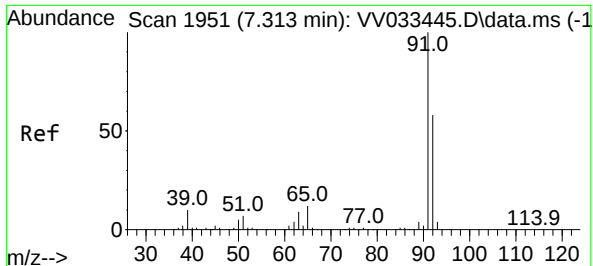
Ion Ratio Lower Upper

43 100

58 36.4 30.7 46.1

100 14.3 13.6 20.4

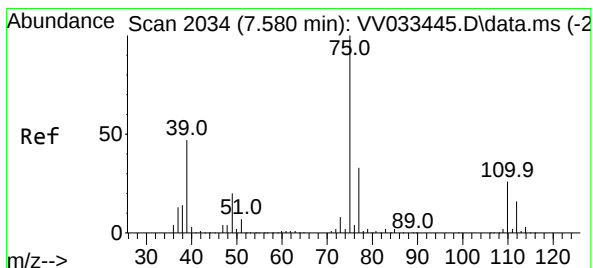
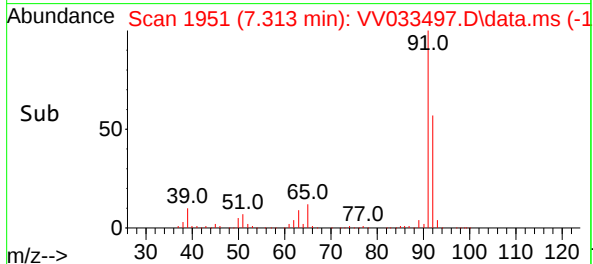
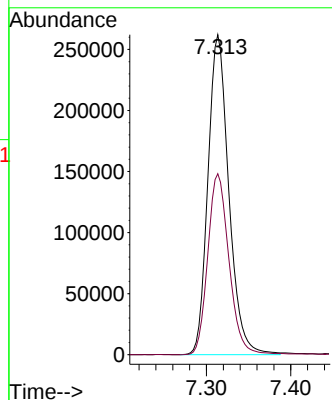
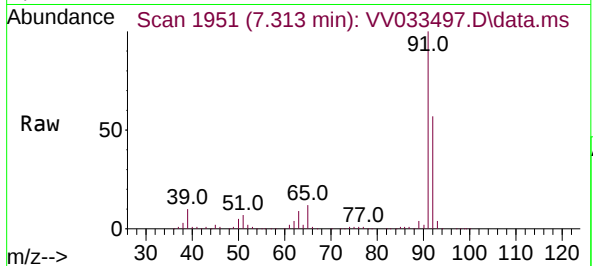




#42
Toluene
Concen: 53.625 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

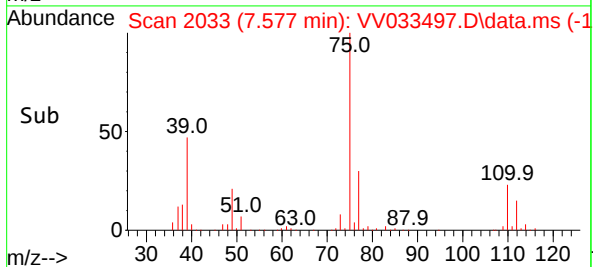
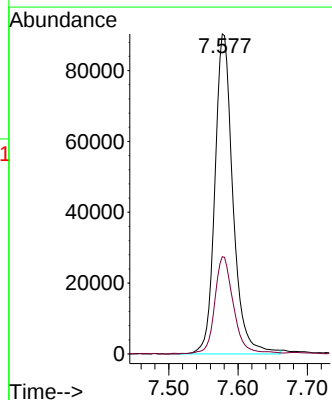
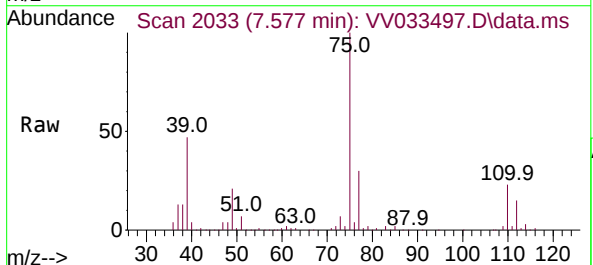
Instrument :
MSVOA_V
ClientSampleId :

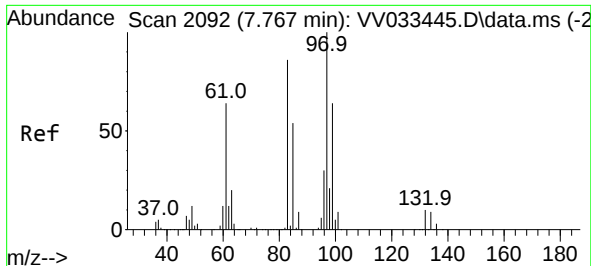
Tgt Ion: 91 Resp: 451544
Ion Ratio Lower Upper
91 100
92 56.6 41.3 76.7



#44
trans-1,3-Dichloropropene
Concen: 52.022 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Tgt Ion: 75 Resp: 163623
Ion Ratio Lower Upper
75 100
77 30.4 22.4 41.6



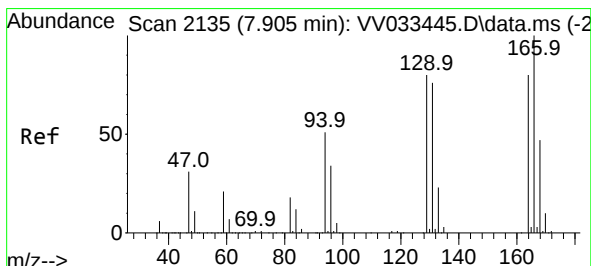
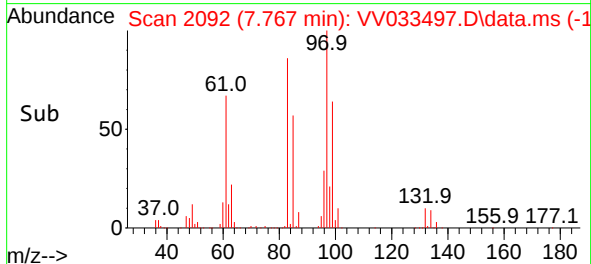
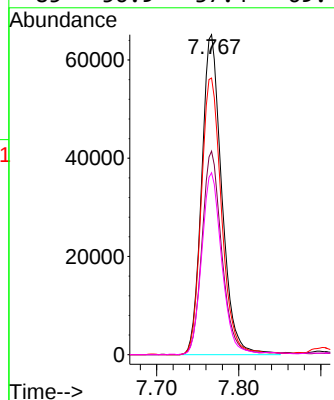
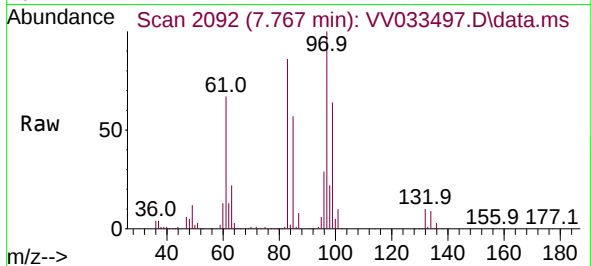


#45
1,1,2-Trichloroethane
Concen: 49.482 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 111118

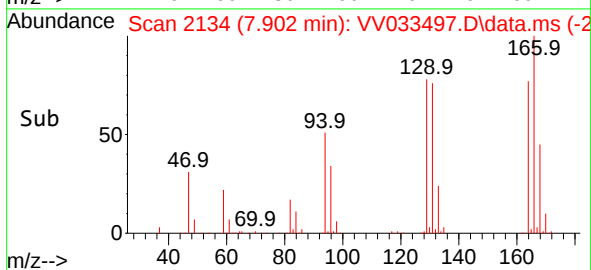
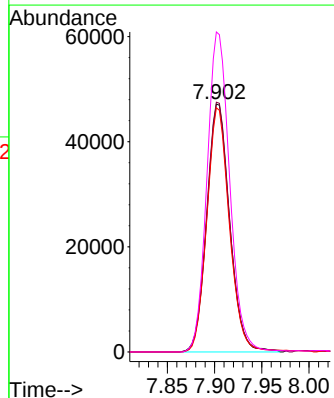
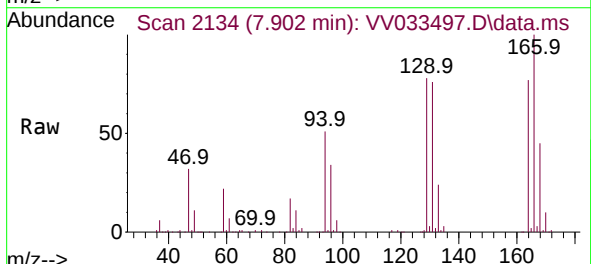
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.5	80.7
83	86.5	61.0	113.4
85	56.9	37.4	69.4

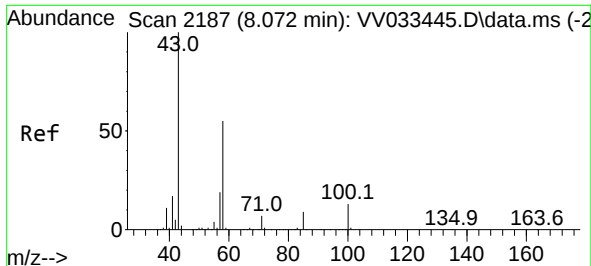


#46
Tetrachloroethene
Concen: 46.653 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.003 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Tgt Ion: 164 Resp: 79453

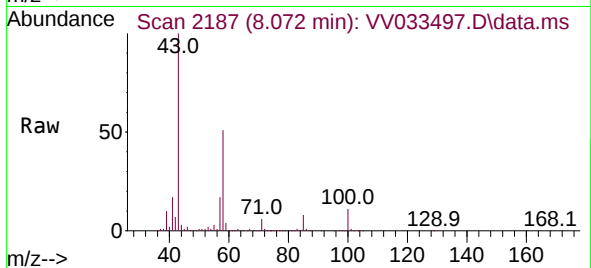
Ion	Ratio	Lower	Upper
164	100		
129	100.8	68.9	127.9
131	98.5	65.3	121.3
166	129.1	86.9	161.3



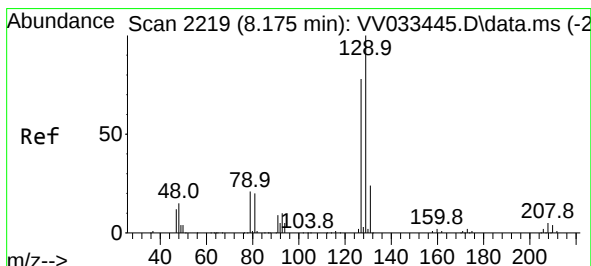
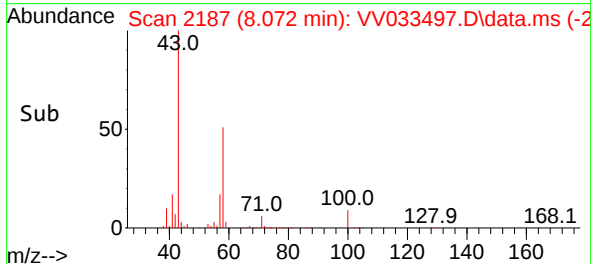
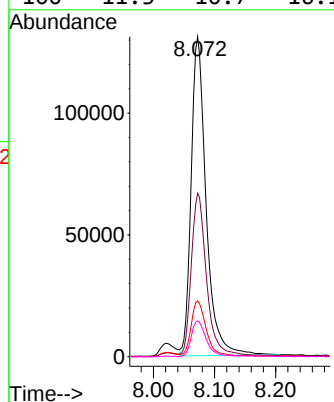


#48
2-Hexanone
Concen: 116.450 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Instrument :
MSVOA_V
ClientSampleId :

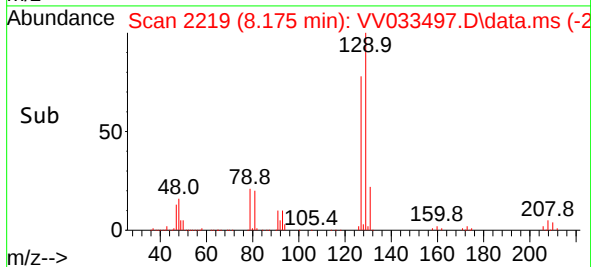
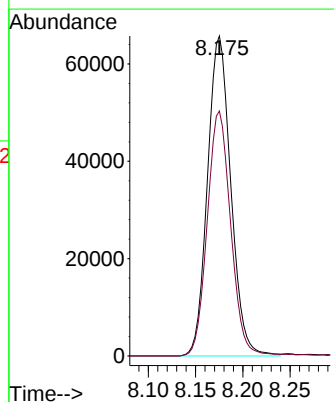
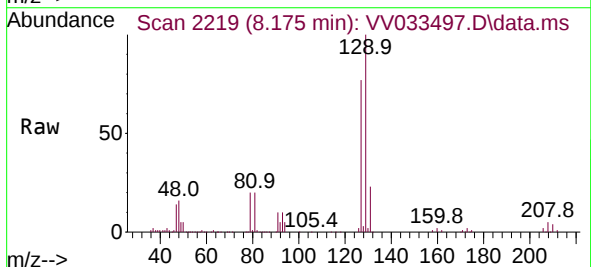


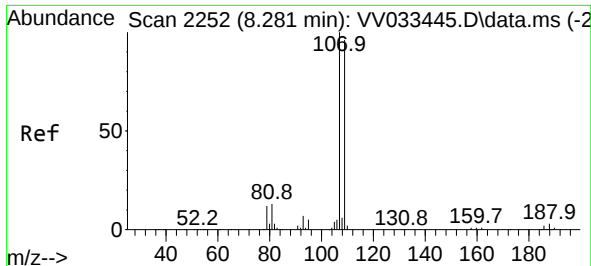
Tgt Ion: 43 Resp: 223314
Ion Ratio Lower Upper
43 100
58 51.3 43.0 64.6
57 17.7 14.7 22.1
100 11.3 10.7 16.1



#49
Dibromochloromethane
Concen: 47.577 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Tgt Ion: 129 Resp: 112974
Ion Ratio Lower Upper
129 100
127 76.6 53.3 98.9





#50

1,2-Dibromoethane

Concen: 48.291 ug/L

RT: 8.281 min Scan# 2117

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

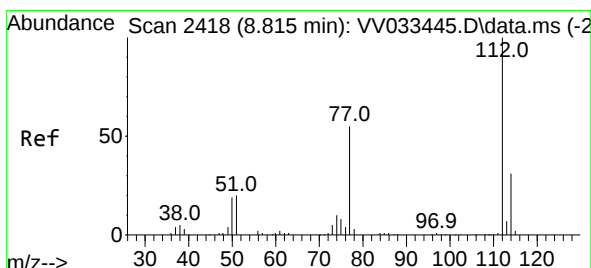
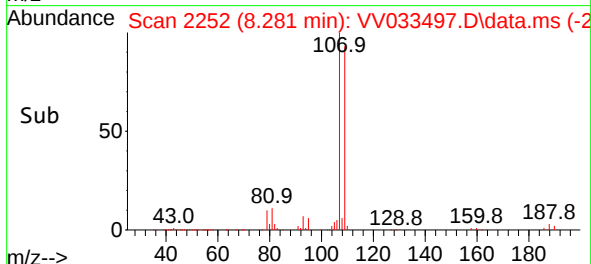
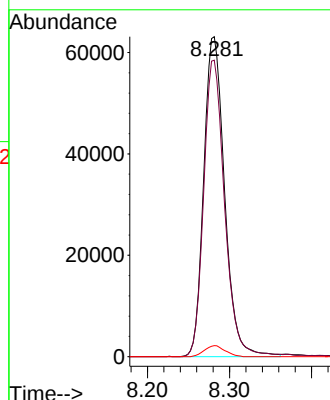
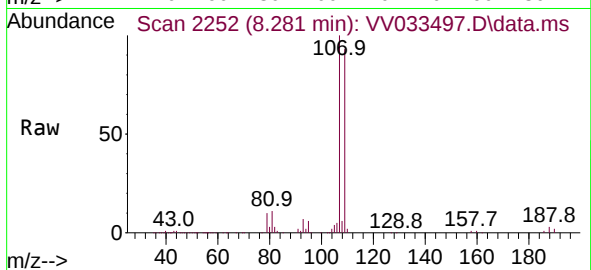
Tgt Ion:107 Resp: 111784

Ion Ratio Lower Upper

107 100

109 92.6 64.2 119.2

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 48.057 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

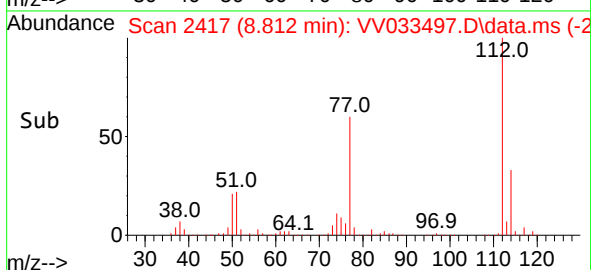
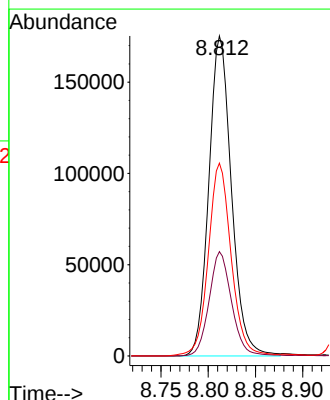
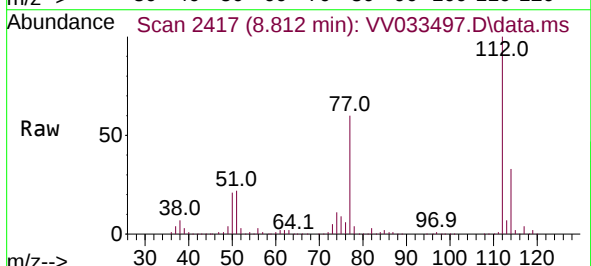
Tgt Ion:112 Resp: 291624

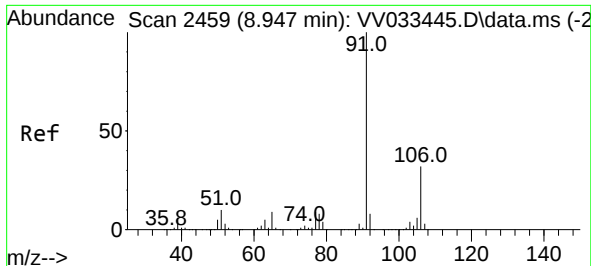
Ion Ratio Lower Upper

112 100

114 32.6 22.5 41.7

77 60.3 45.2 67.8

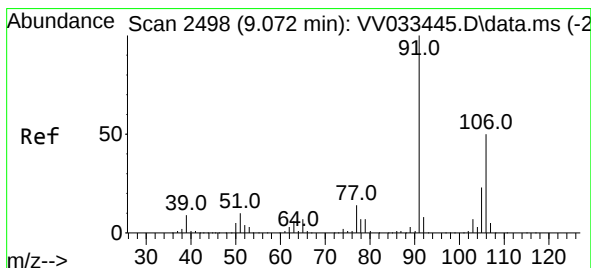
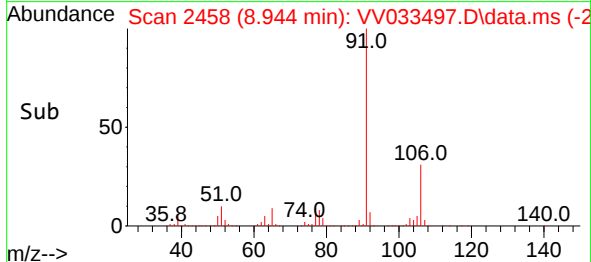
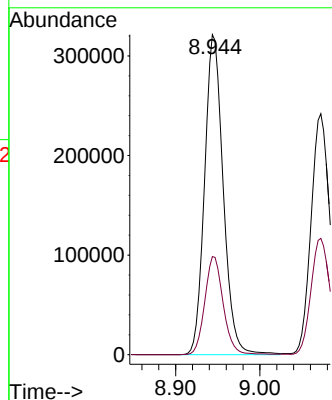
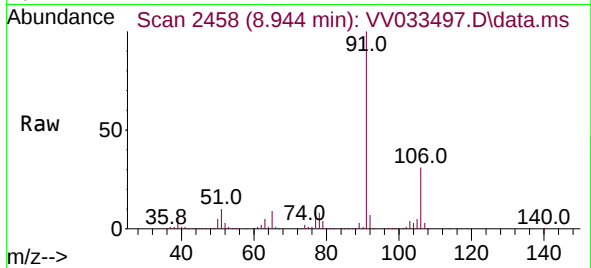




#52
Ethylbenzene
Concen: 52.928 ug/L
RT: 8.944 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

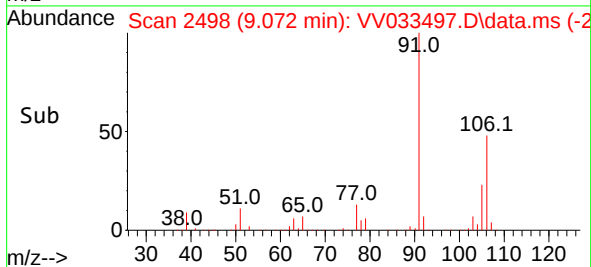
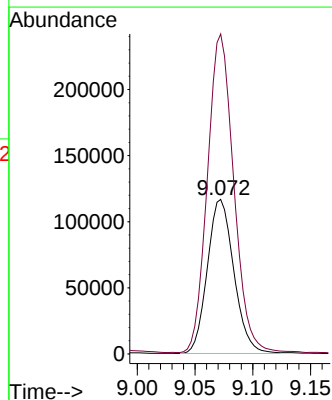
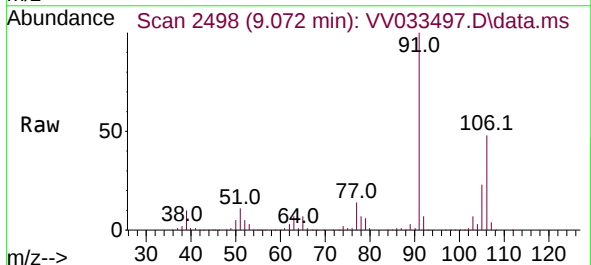
Instrument :
MSVOA_V
ClientSampleId :

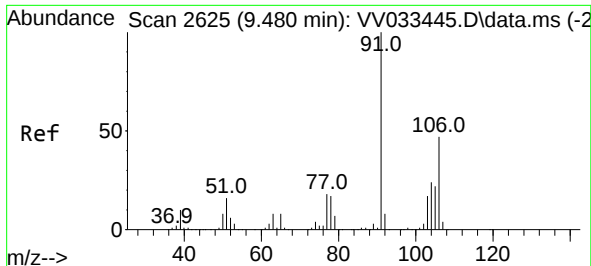
Tgt Ion: 91 Resp: 496342
Ion Ratio Lower Upper
91 100
106 30.6 21.6 40.2



#53
m,p-Xylene
Concen: 52.800 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Tgt Ion: 106 Resp: 186027
Ion Ratio Lower Upper
106 100
91 207.1 143.0 265.6

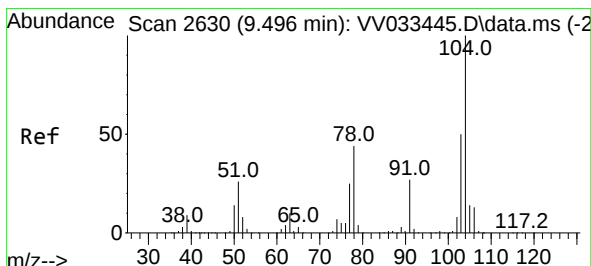
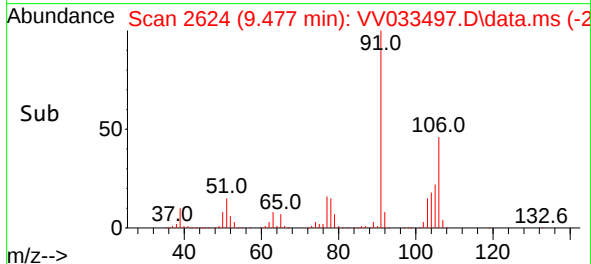
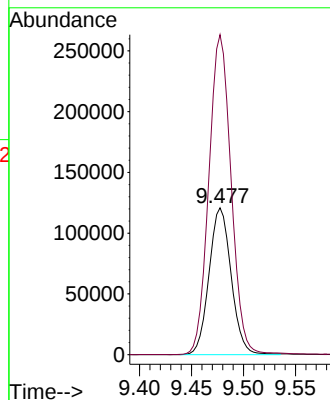
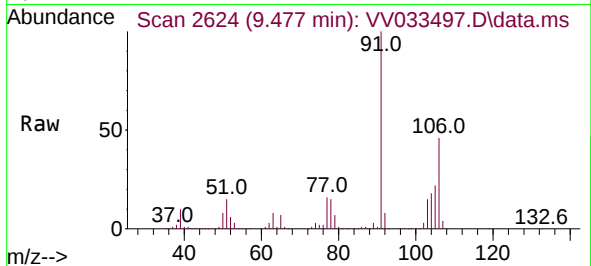




#54
o-Xylene
Concen: 52.348 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

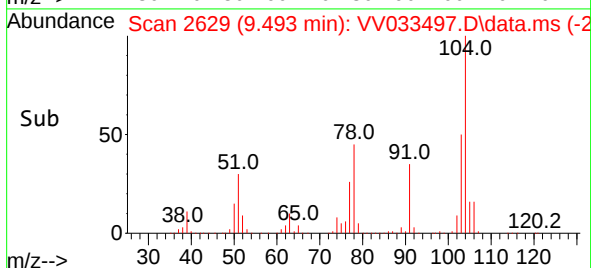
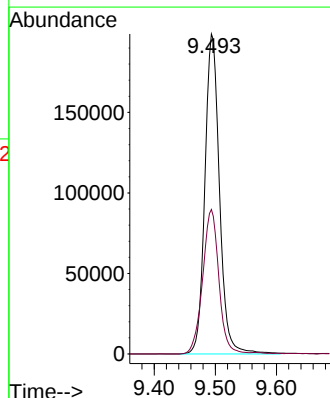
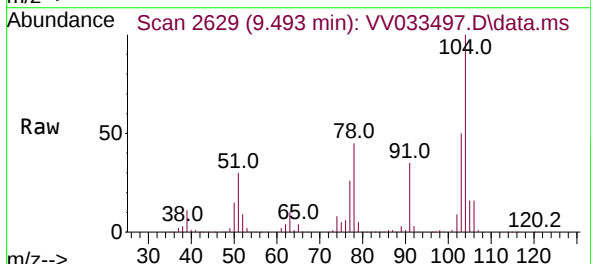
Instrument :
MSVOA_V
ClientSampleId :

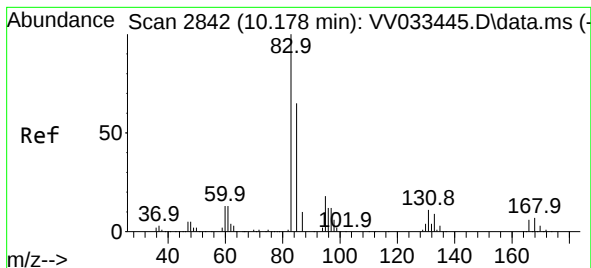
Tgt Ion:106 Resp: 179087
Ion Ratio Lower Upper
106 100
91 217.9 149.7 278.1



#55
Styrene
Concen: 54.818 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Tgt Ion:104 Resp: 330973
Ion Ratio Lower Upper
104 100
78 45.1 30.2 56.2





#57

1,1,2,2-Tetrachloroethane

Concen: 48.499 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

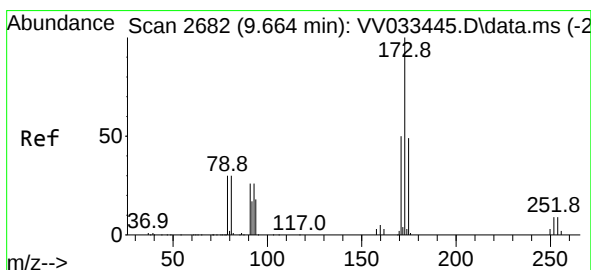
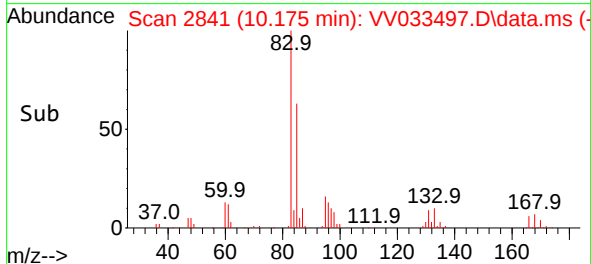
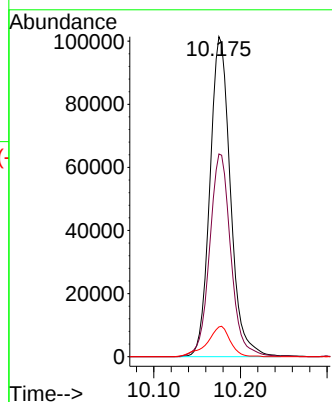
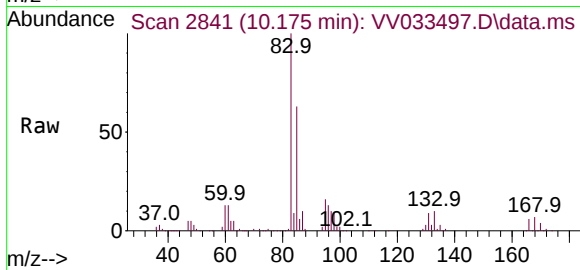
Tgt Ion: 83 Resp: 167268

Ion Ratio Lower Upper

83 100

85 63.3 44.8 83.2

131 9.3 8.6 12.8



#59

Bromoform

Concen: 44.848 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

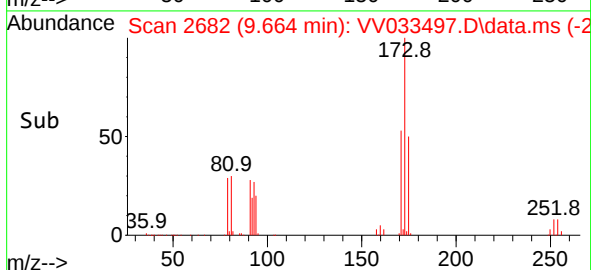
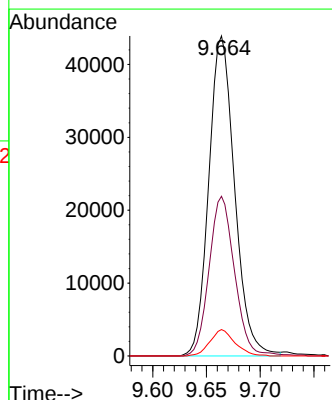
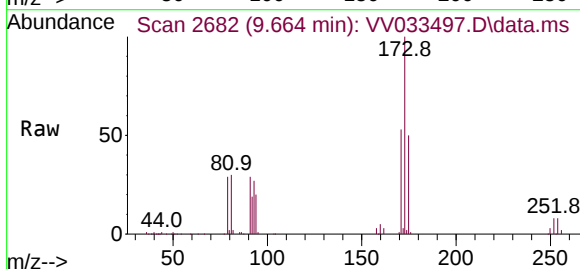
Tgt Ion: 173 Resp: 73457

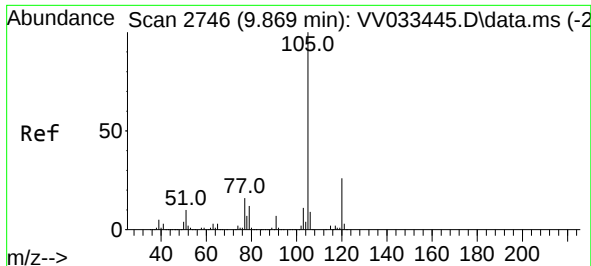
Ion Ratio Lower Upper

173 100

175 49.1 38.8 58.2

254 8.0 5.8 8.8

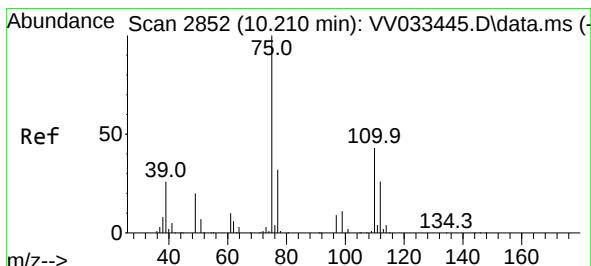
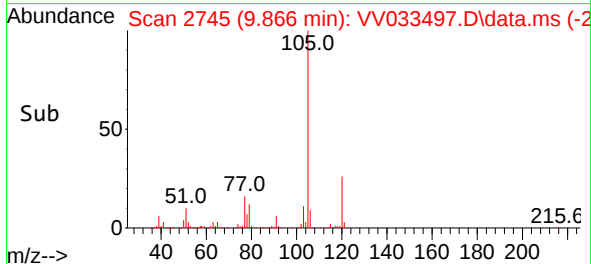
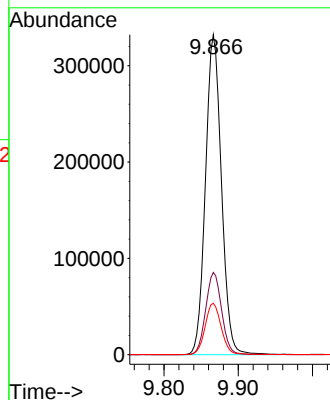
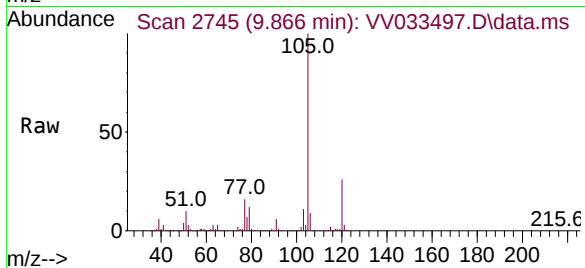




#60
Isopropylbenzene
Concen: 54.971 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

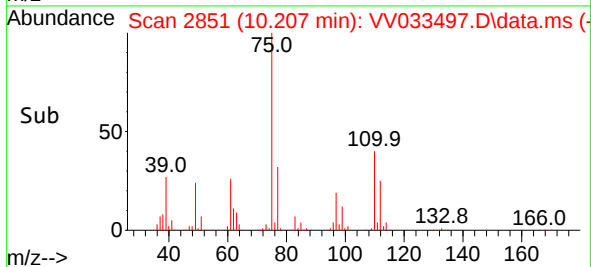
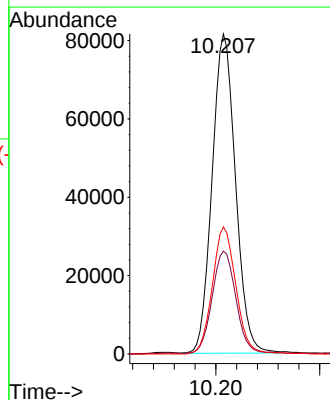
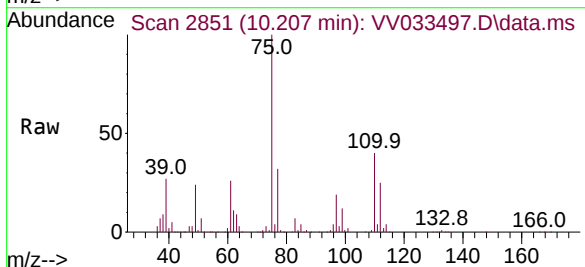
Instrument :
MSVOA_V
ClientSampleId :

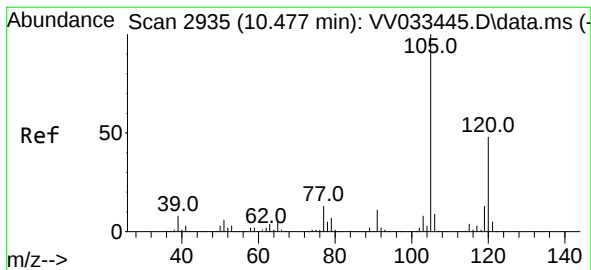
Tgt Ion:105 Resp: 495584
Ion Ratio Lower Upper
105 100
120 25.7 21.2 31.8
77 16.1 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 50.151 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Tgt Ion: 75 Resp: 127613
Ion Ratio Lower Upper
75 100
77 32.2 25.7 38.5
110 39.6 33.9 50.9





#62

1,3,5-Trimethylbenzene

Concen: 54.659 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

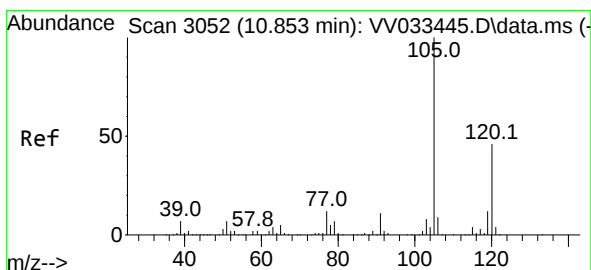
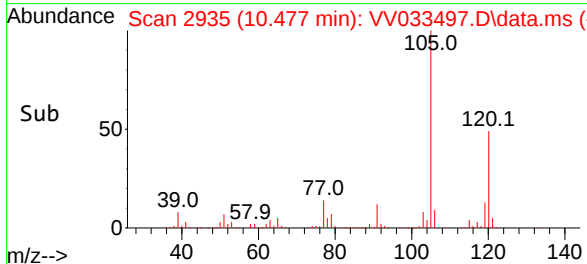
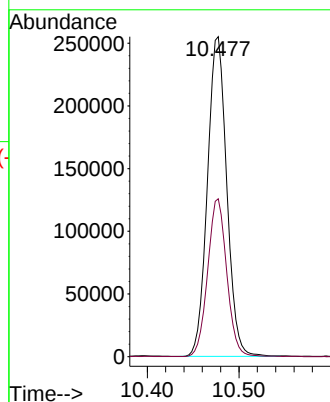
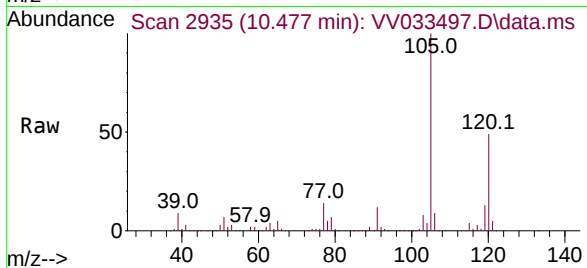
ClientSampleId :

Tgt Ion:105 Resp: 373467

Ion Ratio Lower Upper

105 100

120 48.6 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 55.506 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.003 min

Lab File: VV033497.D

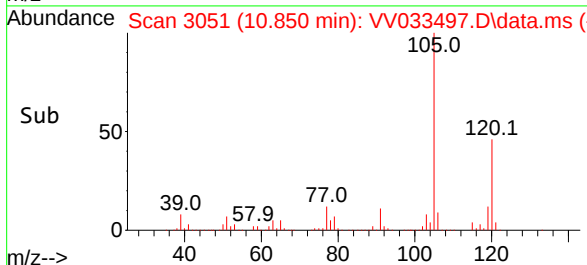
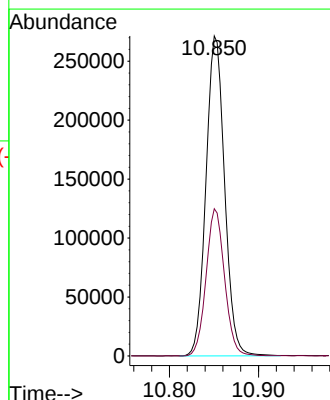
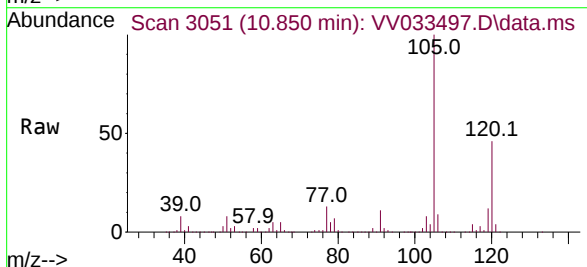
Acq: 20 Dec 2023 09:31

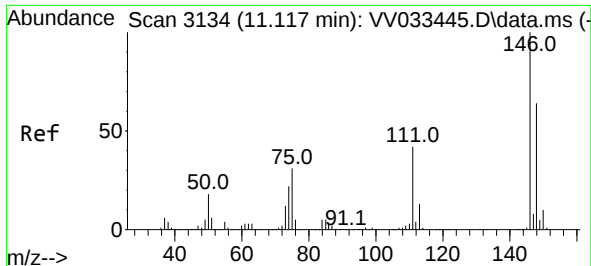
Tgt Ion:105 Resp: 393886

Ion Ratio Lower Upper

105 100

120 45.6 36.2 54.4

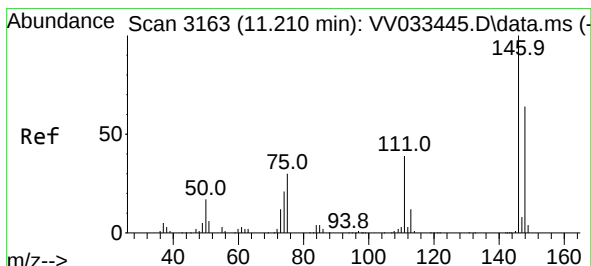
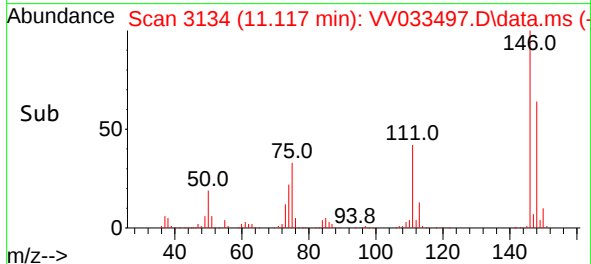
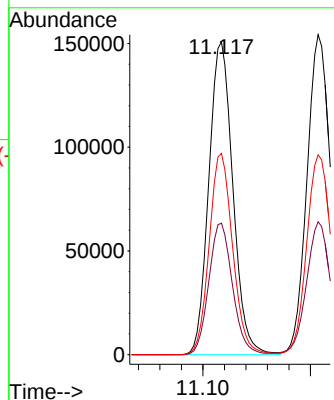
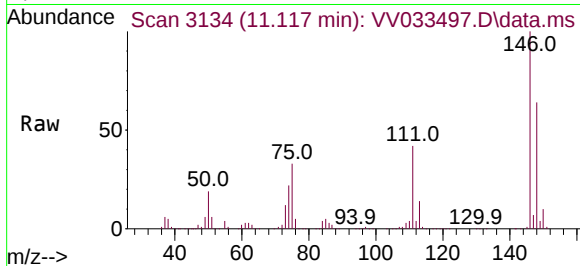




#64
1,3-Dichlorobenzene
Concen: 49.987 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

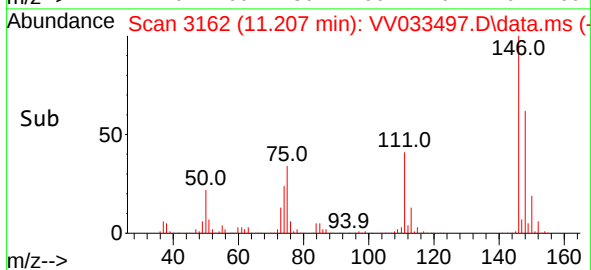
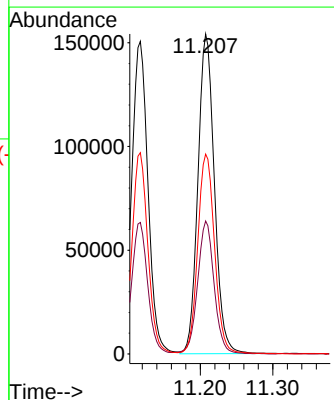
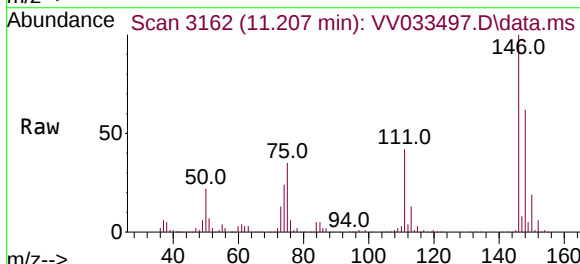
Instrument :
MSVOA_V
ClientSampleId :

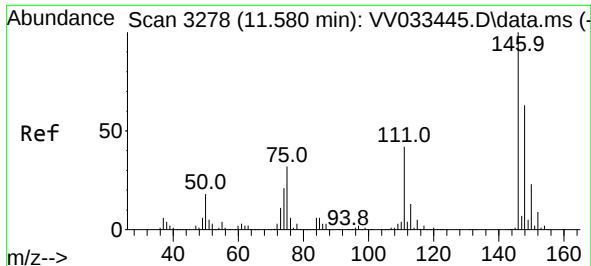
Tgt Ion:146 Resp: 234219
Ion Ratio Lower Upper
146 100
111 42.1 29.3 54.5
148 64.4 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 48.145 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV033497.D
Acq: 20 Dec 2023 09:31

Tgt Ion:146 Resp: 242793
Ion Ratio Lower Upper
146 100
111 41.5 27.9 51.7
148 62.4 45.5 84.5





#67

1,2-Dichlorobenzene

Concen: 48.520 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

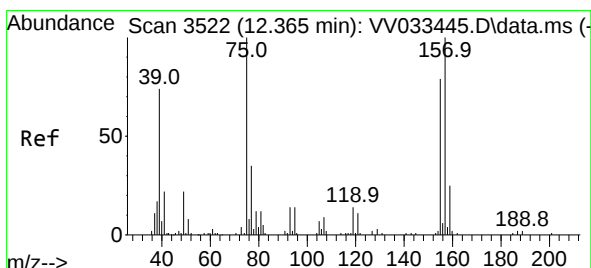
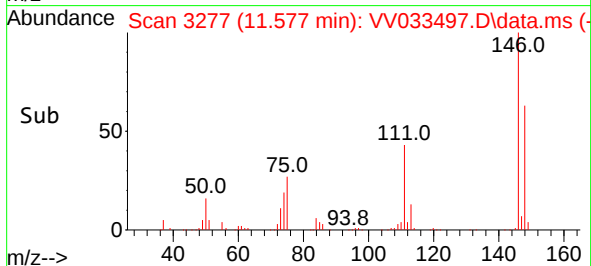
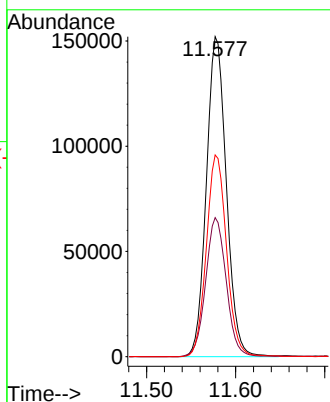
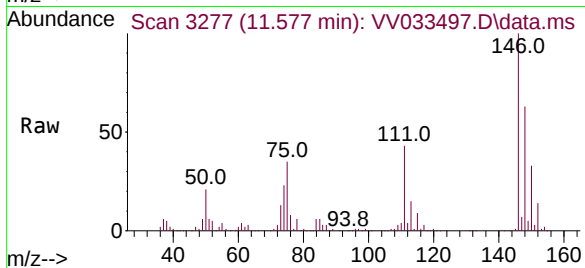
Tgt Ion:146 Resp: 236632

Ion Ratio Lower Upper

146 100

111 43.5 33.5 50.3

148 63.0 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 45.515 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

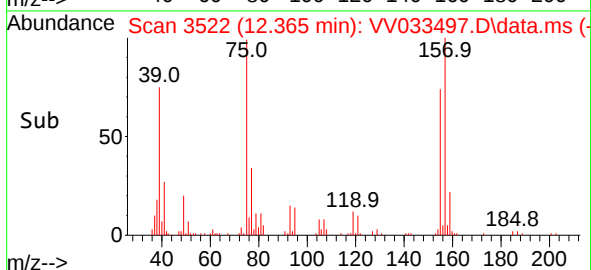
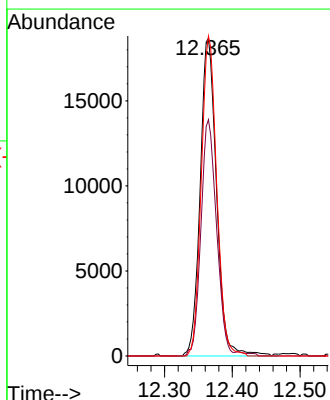
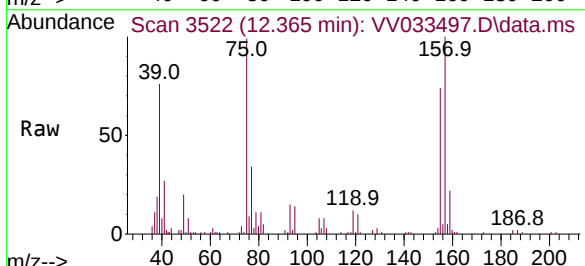
Tgt Ion: 75 Resp: 31373

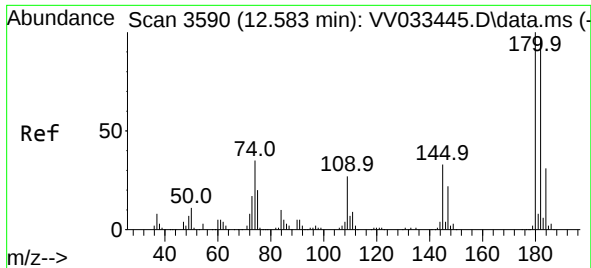
Ion Ratio Lower Upper

75 100

155 74.4 69.4 104.0

157 100.8 81.1 121.7





#69

1,3,5-Trichlorobenzene

Concen: 48.536 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

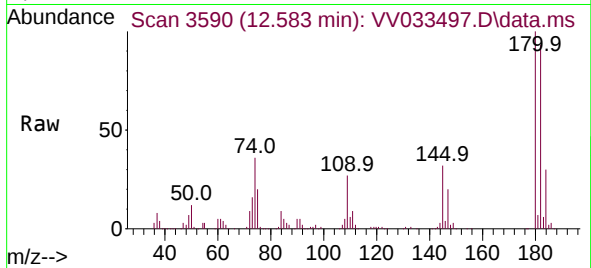
Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 157278

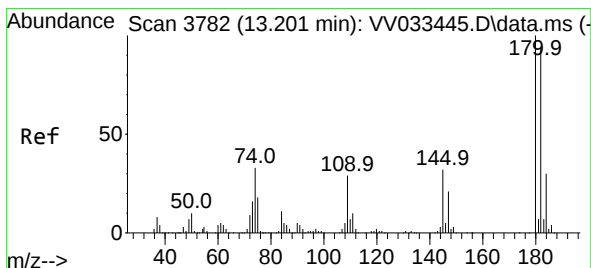
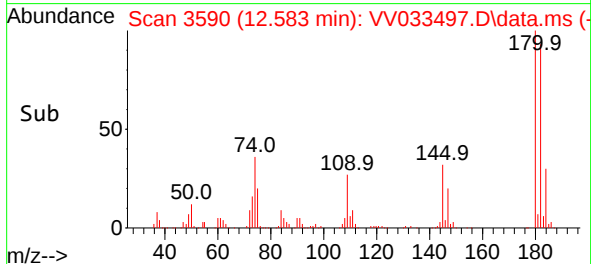
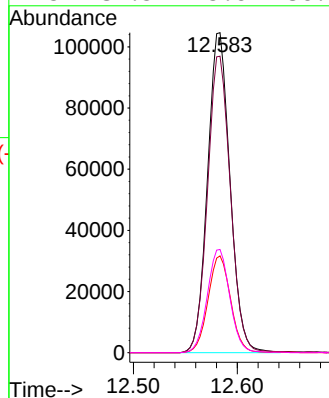
Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.4

184 30.4 24.4 36.6

145 32.5 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 46.886 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

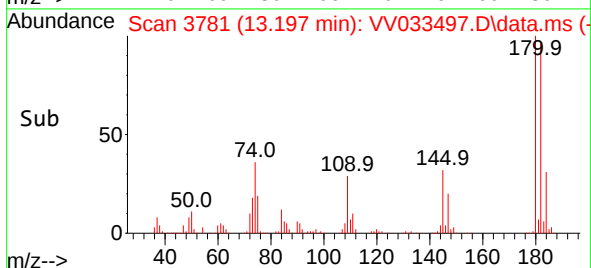
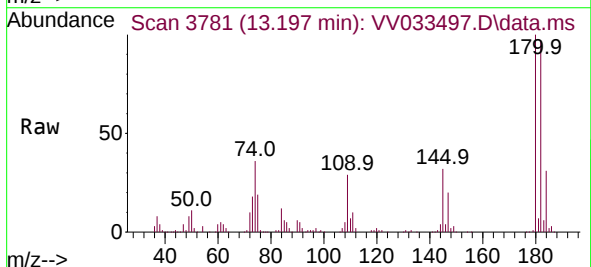
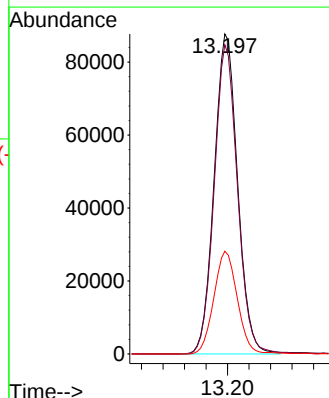
Tgt Ion:180 Resp: 132809

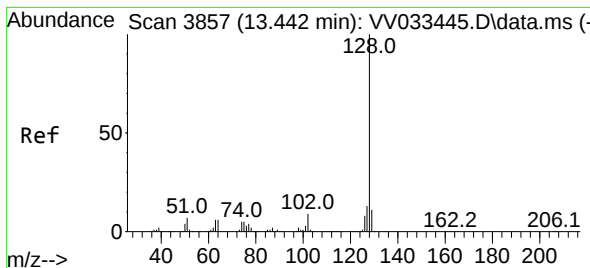
Ion Ratio Lower Upper

180 100

182 95.9 76.1 114.1

145 31.9 25.6 38.4





#71

Naphthalene

Concen: 41.612 ug/L

RT: 13.439 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

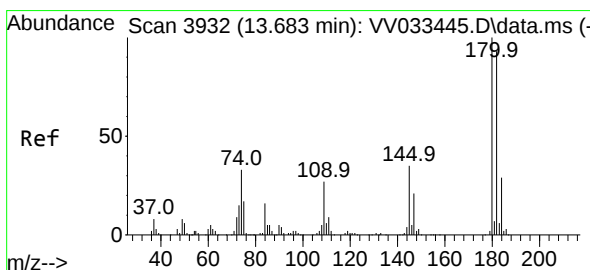
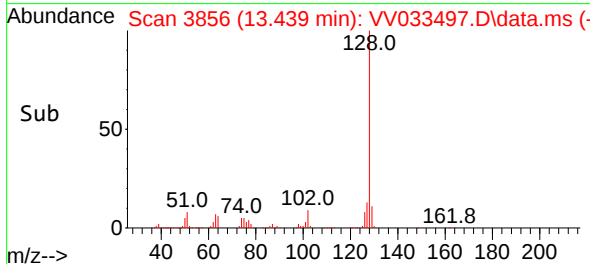
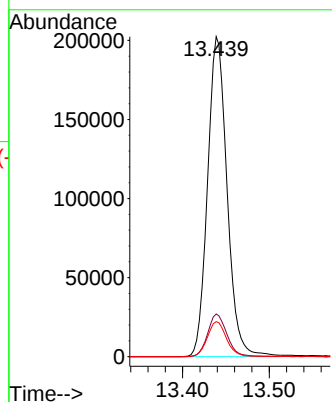
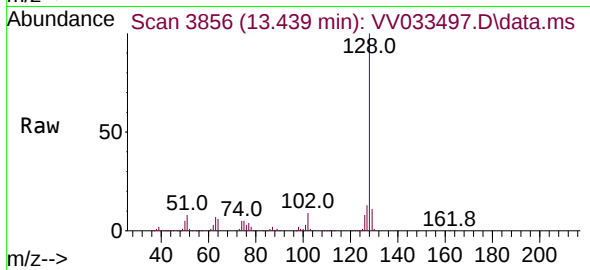
Tgt Ion:128 Resp: 317136

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 48.573 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033497.D

Acq: 20 Dec 2023 09:31

Tgt Ion:180 Resp: 134578

Ion Ratio Lower Upper

180 100

182 93.4 76.2 114.2

145 34.7 27.1 40.7

