

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120823\
 Data File : VW033177.D
 Acq On : 08 Dec 2023 09:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 08 21:49:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 04:15:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	287756	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	290283	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	183878	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	81166	47.184	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.360%
7) Chloroethane-d5	1.532	69	59429	49.583	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.160%
11) 1,1-Dichloroethene-d2	2.060	65	32106	49.061	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.120%
21) 2-Butanone-d5	3.780	46	76918	90.027	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.030%
24) Chloroform-d	4.246	84	185409	50.789	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.580%
26) 1,2-Dichloroethane-d4	4.937	65	115780	51.011	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.020%
32) Benzene-d6	4.957	84	345829	50.939	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.880%
36) 1,2-Dichloropropane-d6	5.985	67	88576	48.524	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.040%
41) Toluene-d8	7.243	98	339354	52.399	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.800%
43) trans-1,3-Dichloroprop...	7.548	79	55746	48.294	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.580%
47) 2-Hexanone-d5	8.021	63	67804	92.460	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.460%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	132183	50.939	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.880%
66) 1,2-Dichlorobenzene-d4	11.561	152	161876	49.479	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	156819	49.857	ug/L	99
3) Chloromethane	1.214	50	98024	47.252	ug/L	99
5) Vinyl chloride	1.285	62	97670	49.091	ug/L	97
6) Bromomethane	1.484	94	66172	50.971	ug/L	98
8) Chloroethane	1.548	64	52447	49.514	ug/L	97
9) Trichlorofluoromethane	1.712	101	176340	53.713	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	84883	55.059	ug/L	97
12) 1,1-Dichloroethene	2.069	96	76437	52.984	ug/L	100
13) Acetone	2.108	43	79186	97.083	ug/L	99
14) Carbon disulfide	2.243	76	242231	46.800	ug/L	100
15) Methyl Acetate	2.368	43	62405	45.905	ug/L	98
16) Methylene chloride	2.445	84	95835	50.167	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	93410	49.315	ug/L	97
18) Methyl tert-butyl Ether	2.699	73	287344	49.937	ug/L	98
19) 1,1-Dichloroethane	3.108	63	154246	49.201	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	104556	52.022	ug/L	97
22) 2-Butanone	3.857	43	91286	87.944	ug/L	95
23) Bromochloromethane	4.143	128	59539	51.592	ug/L	96
25) Chloroform	4.272	83	186338	51.681	ug/L	96

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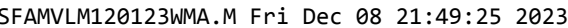
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 ClientSampleId :

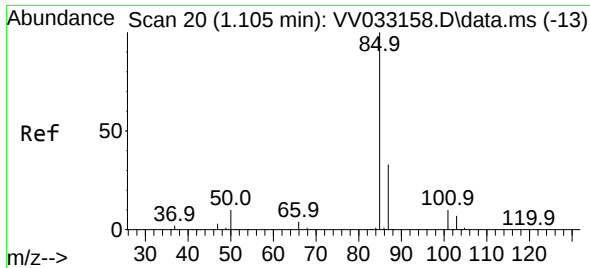
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	153126	53.745	ug/L	100
29) Cyclohexane	4.584	56	127587	47.586	ug/L	97
30) 1,1,1-Trichloroethane	4.510	97	188493	52.542	ug/L	98
31) Carbon tetrachloride	4.735	117	179412	53.785	ug/L	98
33) Benzene	5.005	78	377804	51.360	ug/L	100
34) Trichloroethene	5.831	95	109623	49.882	ug/L	98
35) Methylcyclohexane	6.050	83	167865	52.630	ug/L	97
37) 1,2-Dichloropropane	6.092	63	87558	51.432	ug/L	100
38) Bromodichloromethane	6.429	83	140231	51.094	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	153286	49.621	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	172730	95.560	ug/L	97
42) Toluene	7.313	91	442510	53.384	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	164143	52.548	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	101946	51.647	ug/L	98
46) Tetrachloroethene	7.905	164	101824	53.899	ug/L	95
48) 2-Hexanone	8.072	43	147306	98.293	ug/L	99
49) Dibromochloromethane	8.175	129	125426	53.228	ug/L	98
50) 1,2-Dibromoethane	8.281	107	109134	51.858	ug/L	99
51) Chlorobenzene	8.812	112	304525	52.242	ug/L	98
52) Ethylbenzene	8.947	91	503463	52.767	ug/L	99
53) m,p-Xylene	9.072	106	206741	54.716	ug/L	91
54) o-Xylene	9.477	106	194879	52.267	ug/L	99
55) Styrene	9.493	104	351827	54.547	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	138775	51.458	ug/L	99
59) Bromoform	9.664	173	101727	50.974	ug/L	100
60) Isopropylbenzene	9.866	105	550989	51.969	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	110485	48.187	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	444483	52.034	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	464425	52.205	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	293031	51.734	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	299317	50.871	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	286042	51.512	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	31746	45.124	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	224361	49.450	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	206679	49.306	ug/L	100
71) Naphthalene	13.439	128	459845	44.983	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	202536	50.074	ug/L	98

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

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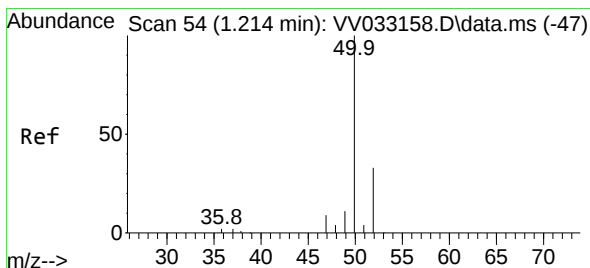
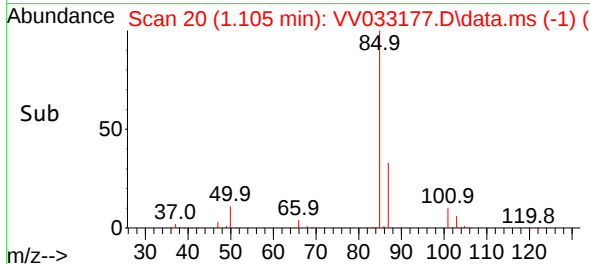
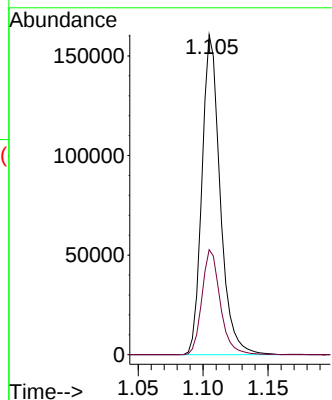
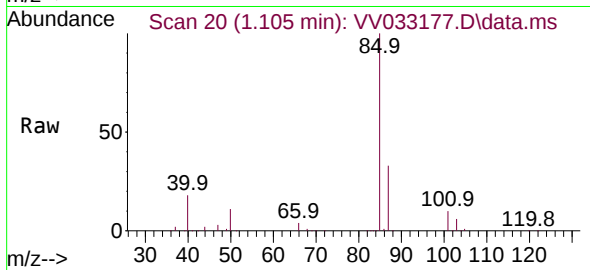




#2
 Dichlorodifluoromethane
 Concen: 49.857 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033177.D
 Acq: 08 Dec 2023 09:52

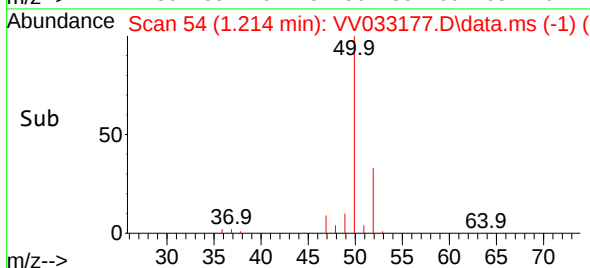
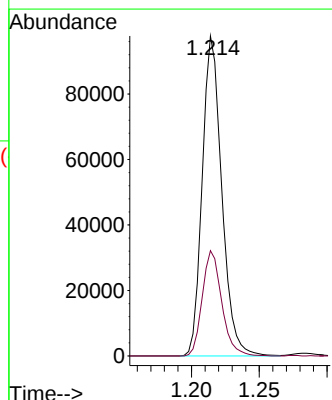
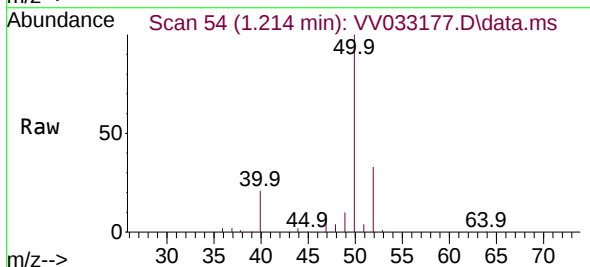
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 MSVOA_V
 ClientSampleId :

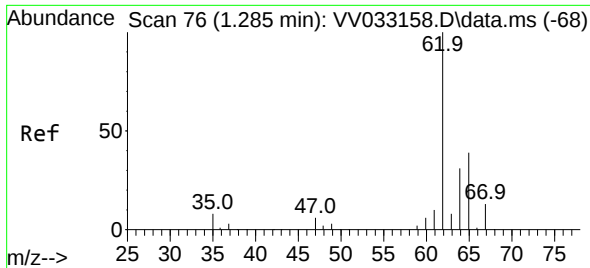
Tgt Ion: 85 Resp: 156819
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.0 39.0



#3
 Chloromethane
 Concen: 47.252 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033177.D
 Acq: 08 Dec 2023 09:52

Tgt Ion: 50 Resp: 98024
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.8 42.4

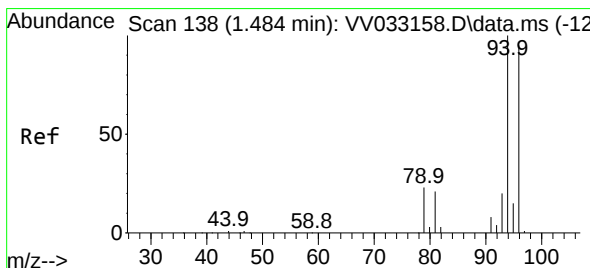
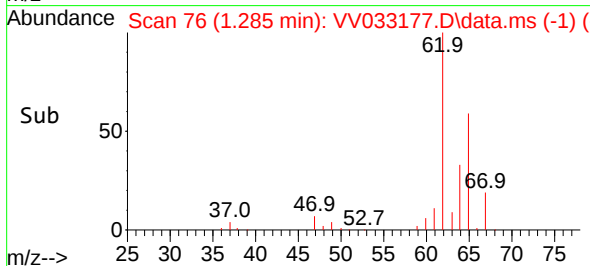
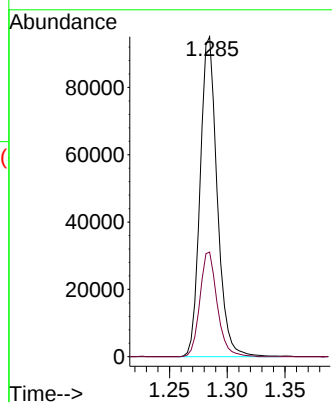
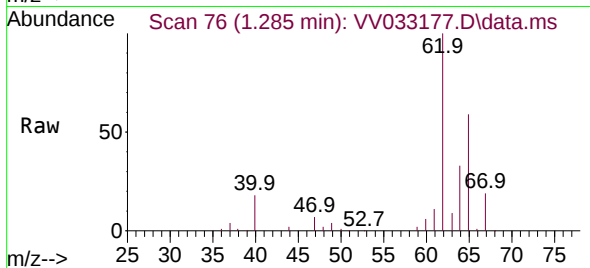




#5
 Vinyl chloride
 Concen: 49.091 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033177.D
 Acq: 08 Dec 2023 09:52

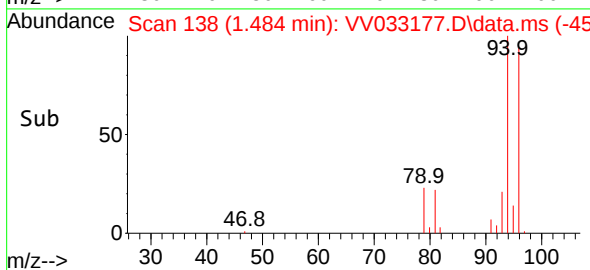
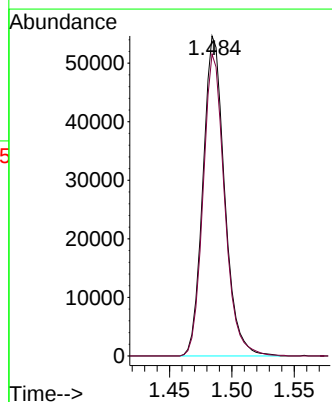
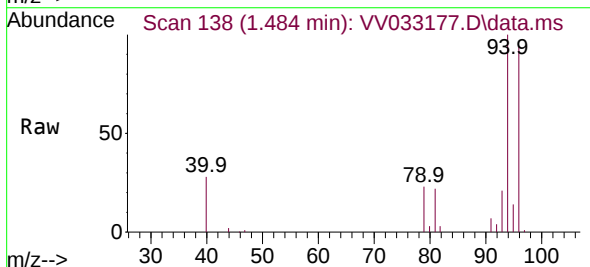
Instrument :
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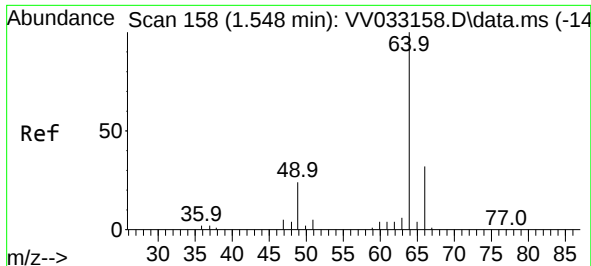
Tgt Ion: 62 Resp: 97670
 Ion Ratio Lower Upper
 62 100
 64 32.7 24.2 45.0



#6
 Bromomethane
 Concen: 50.971 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV033177.D
 Acq: 08 Dec 2023 09:52

Tgt Ion: 94 Resp: 66172
 Ion Ratio Lower Upper
 94 100
 96 94.3 67.1 124.7





#8

Chloroethane

Concen: 49.514 ug/L

RT: 1.548 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

Instrument :

MSVOA_V

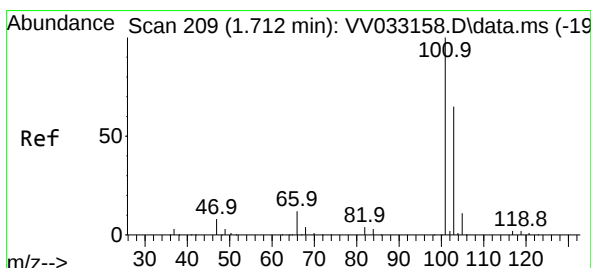
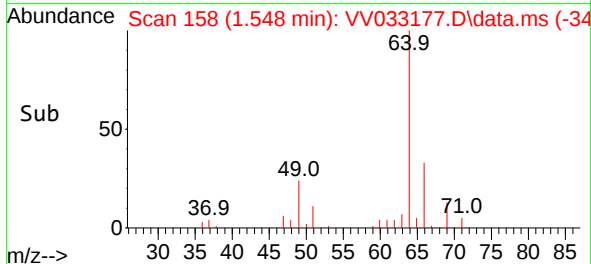
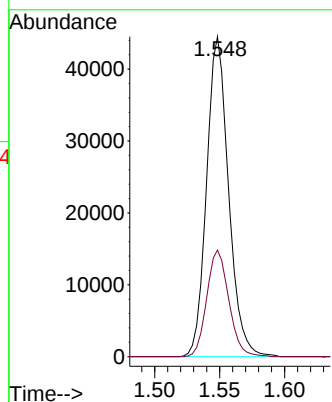
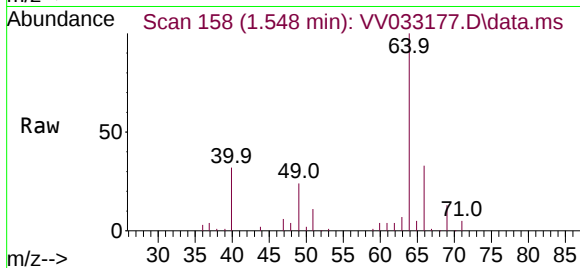
ClientSampleId :

Tgt Ion: 64 Resp: 52447

Ion Ratio Lower Upper

64 100

66 33.3 22.3 41.5



#9

Trichlorofluoromethane

Concen: 53.713 ug/L

RT: 1.712 min Scan# 209

Delta R.T. -0.000 min

Lab File: VV033177.D

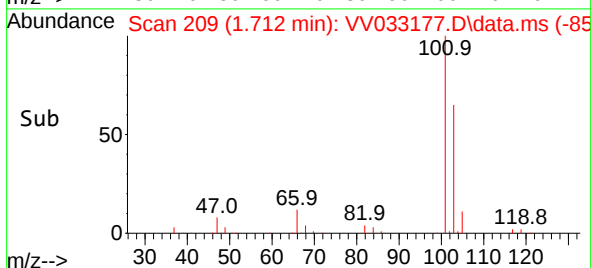
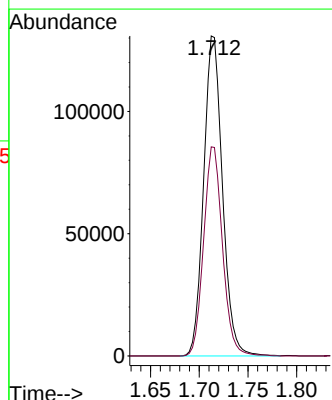
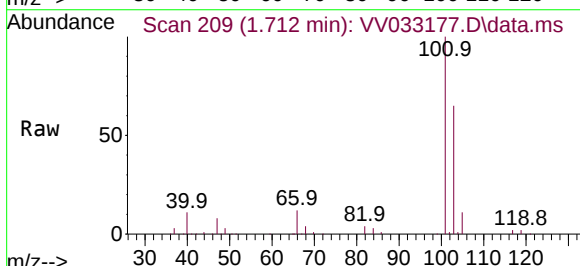
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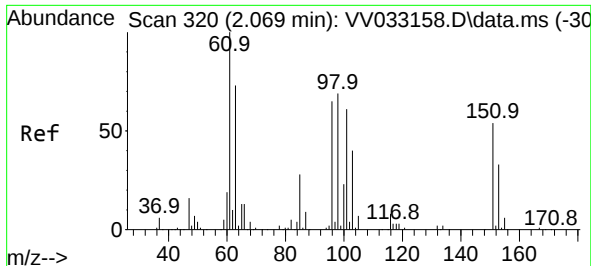
Tgt Ion:101 Resp: 176340

Ion Ratio Lower Upper

101 100

103 65.2 51.3 76.9

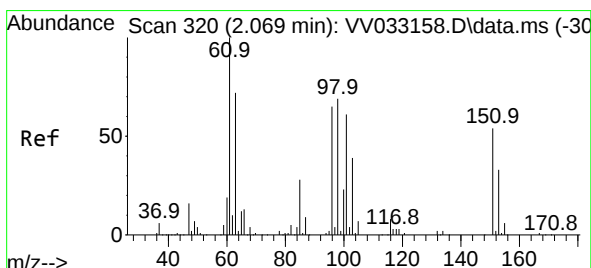
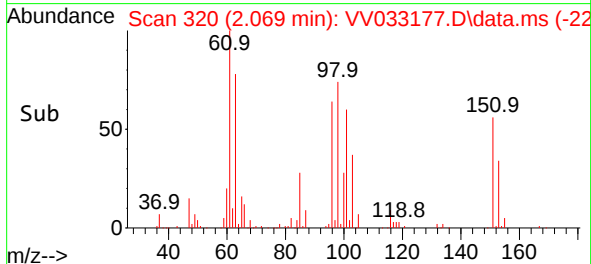
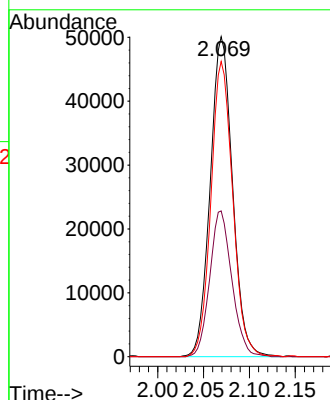
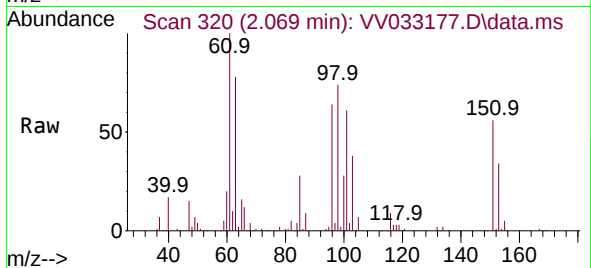




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 55.059 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033177.D
 Acq: 08 Dec 2023 09:52

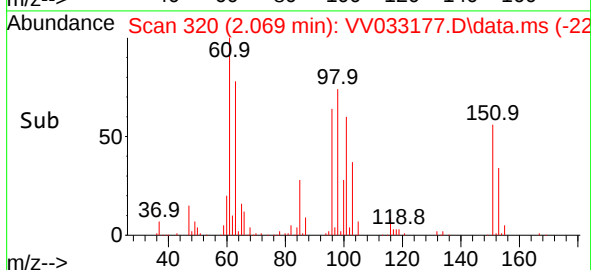
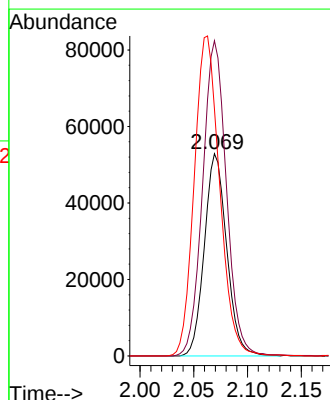
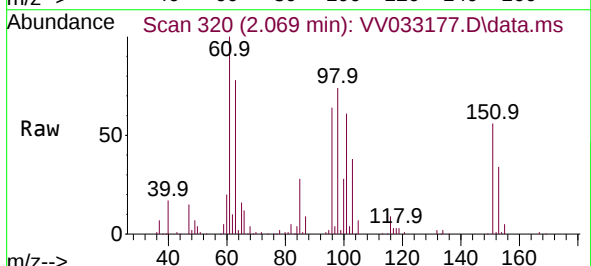
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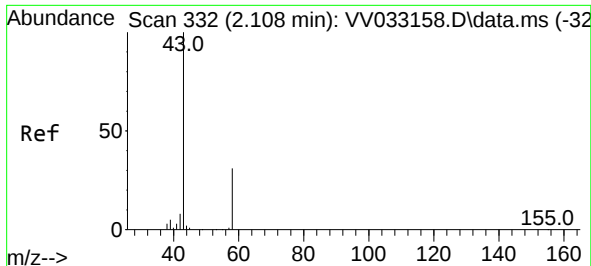
Tgt Ion:101 Resp: 84883
 Ion Ratio Lower Upper
 101 100
 85 45.0 36.0 54.0
 151 89.9 69.1 103.7



#12
 1,1-Dichloroethene
 Concen: 52.984 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033177.D
 Acq: 08 Dec 2023 09:52

Tgt Ion: 96 Resp: 76437
 Ion Ratio Lower Upper
 96 100
 61 155.8 109.1 202.7
 63 122.2 85.3 158.3





#13

Acetone

Concen: 97.083 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

Instrument :

MSVOA_V

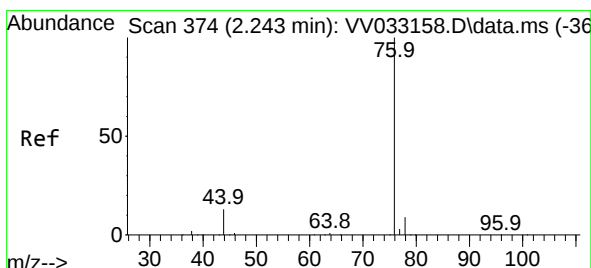
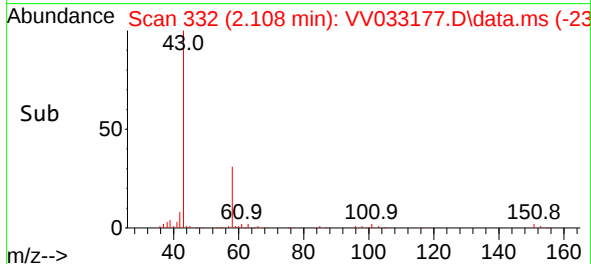
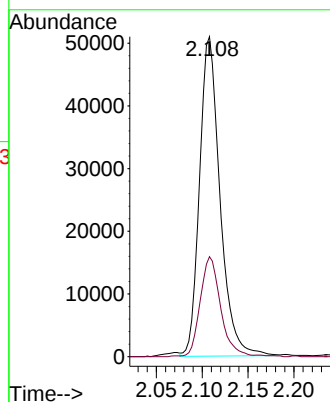
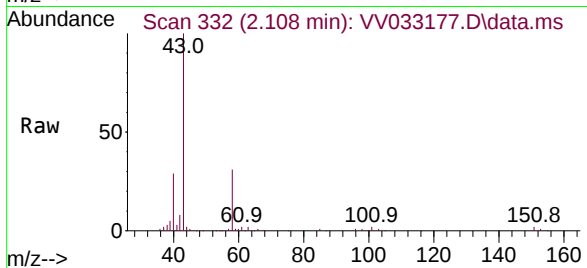
ClientSampleId :

Tgt Ion: 43 Resp: 79186

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.8



#14

Carbon disulfide

Concen: 46.800 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV033177.D

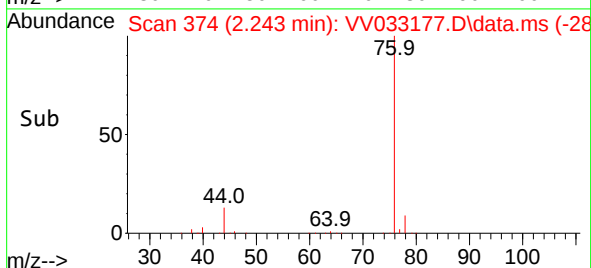
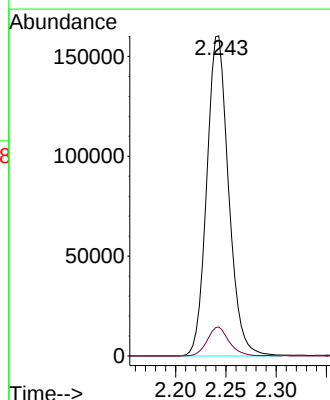
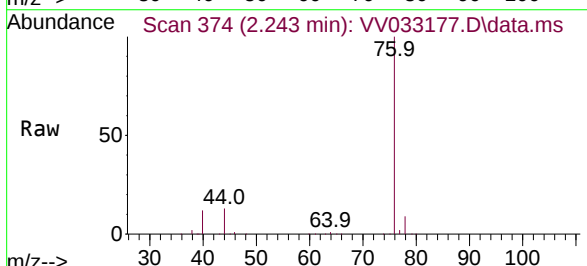
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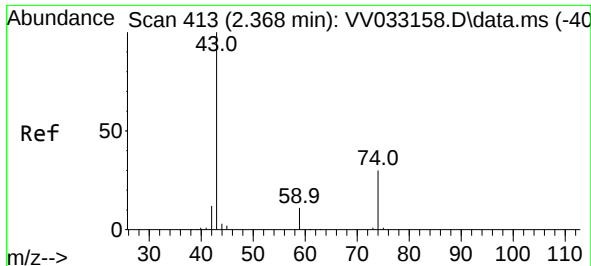
Tgt Ion: 76 Resp: 242231

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

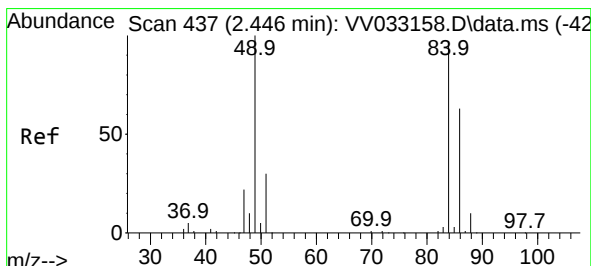
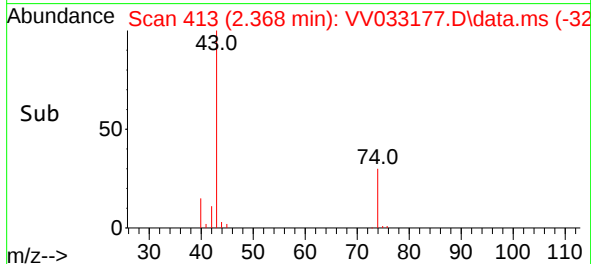
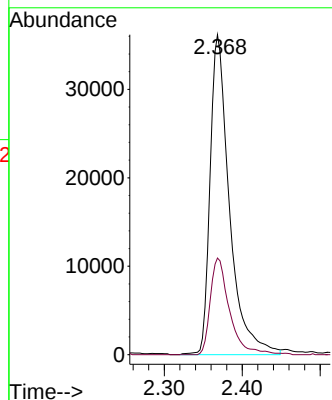
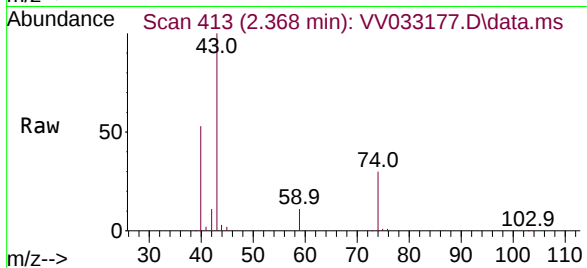




#15
Methyl Acetate
Concen: 45.905 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

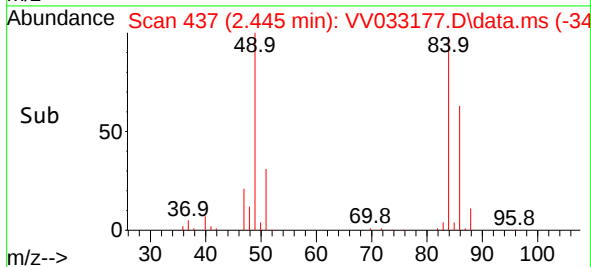
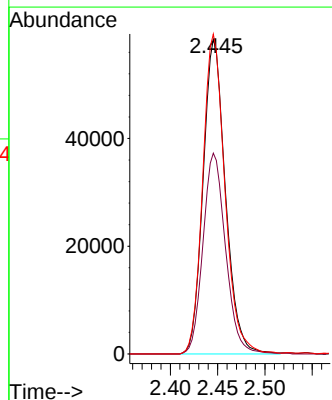
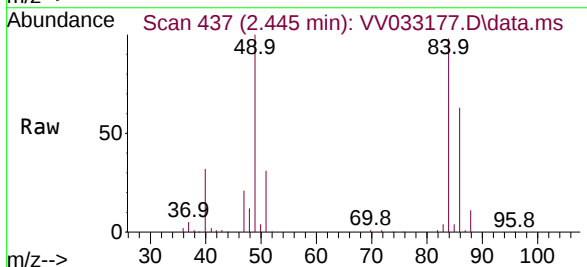
Instrument :
MSVOA_V
ClientSampleId :

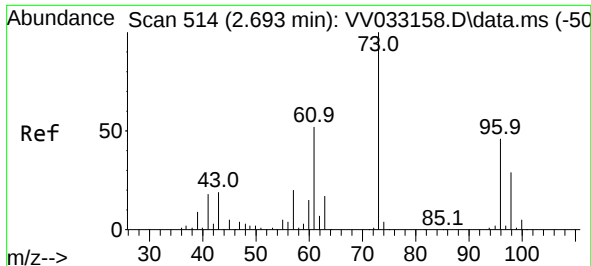
Tgt Ion: 43 Resp: 62405
Ion Ratio Lower Upper
43 100
74 29.5 22.6 33.8



#16
Methylene chloride
Concen: 50.167 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Tgt Ion: 84 Resp: 95835
Ion Ratio Lower Upper
84 100
86 63.8 45.9 85.3
49 101.7 75.5 140.1

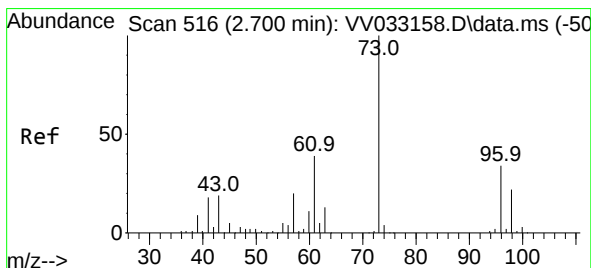
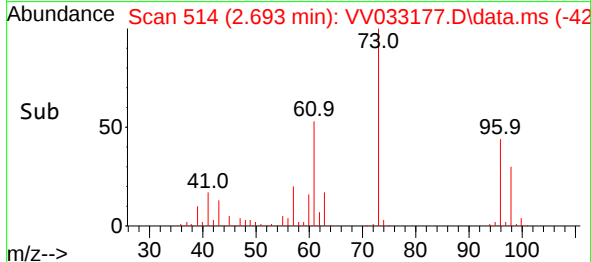
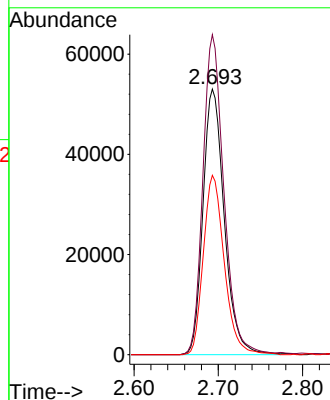
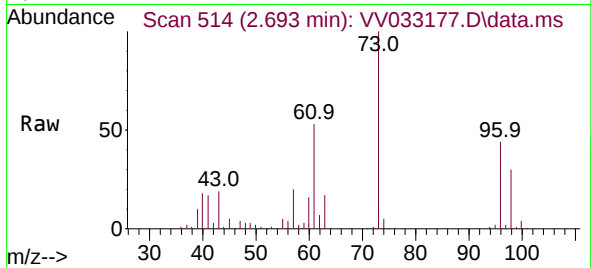




#17
trans-1,2-Dichloroethene
Concen: 49.315 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

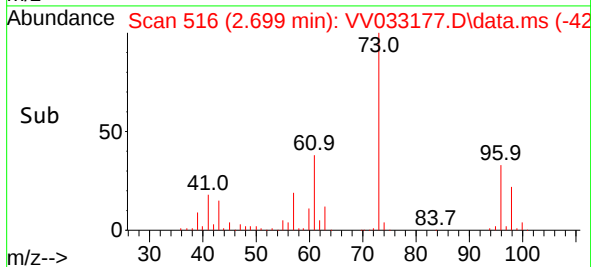
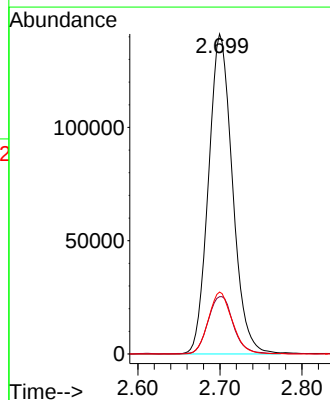
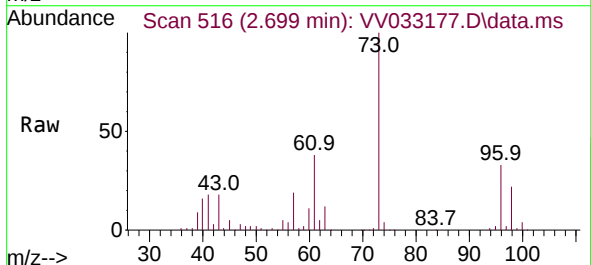
Instrument :
MSVOA_V
ClientSampleId :

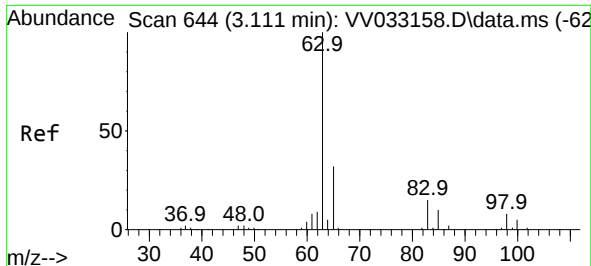
Tgt Ion: 96 Resp: 93410
Ion Ratio Lower Upper
96 100
61 120.5 86.5 160.6
98 67.6 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 49.937 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Tgt Ion: 73 Resp: 287344
Ion Ratio Lower Upper
73 100
43 18.7 15.4 23.2
57 19.3 16.1 24.1





#19

1,1-Dichloroethane

Concen: 49.201 ug/L

RT: 3.108 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

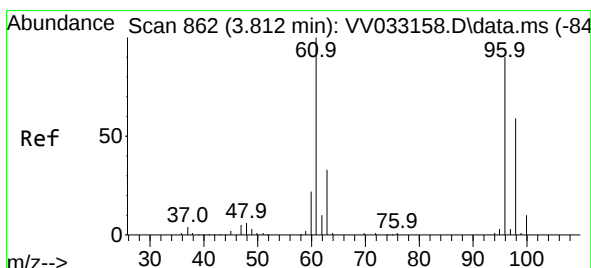
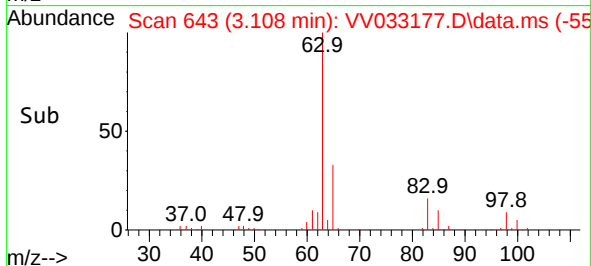
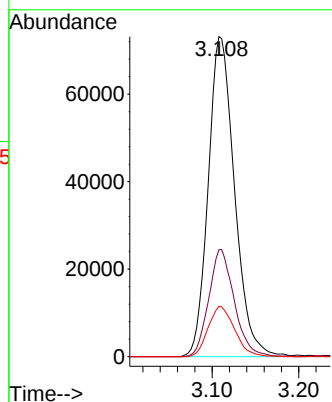
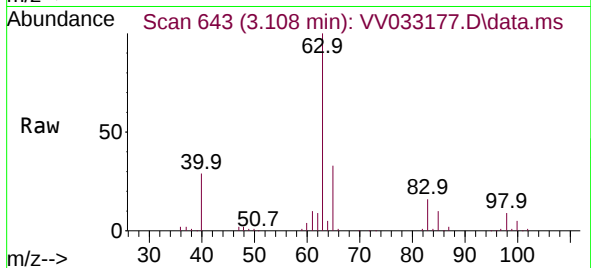
Tgt Ion: 63 Resp: 154246

Ion Ratio Lower Upper

63 100

65 33.4 23.0 42.6

83 15.7 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 52.022 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.000 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

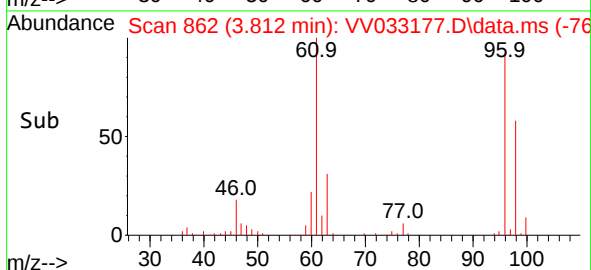
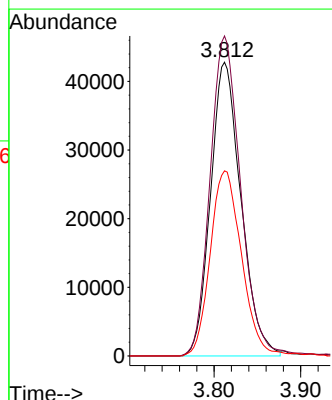
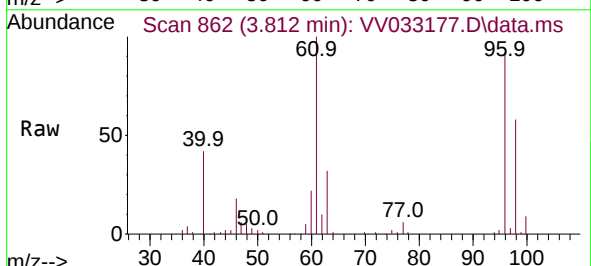
Tgt Ion: 96 Resp: 104556

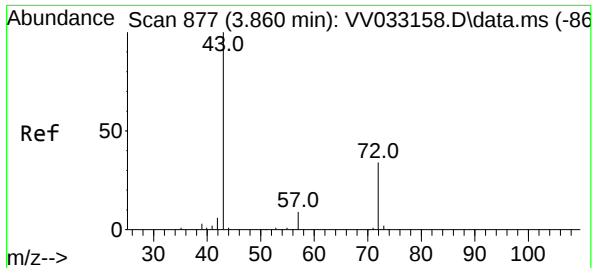
Ion Ratio Lower Upper

96 100

61 108.9 79.1 146.9

98 63.0 45.1 83.7

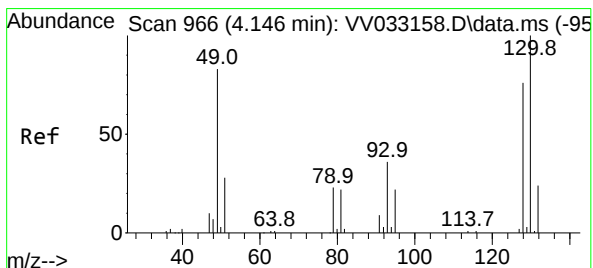
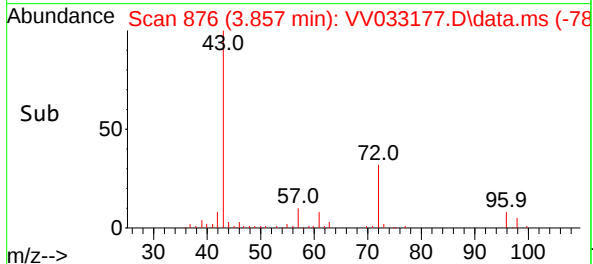
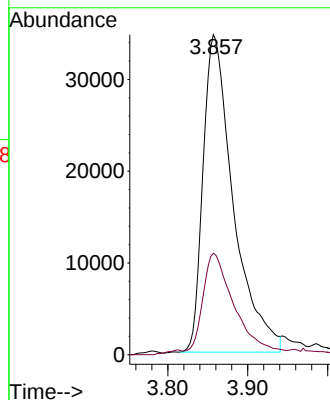
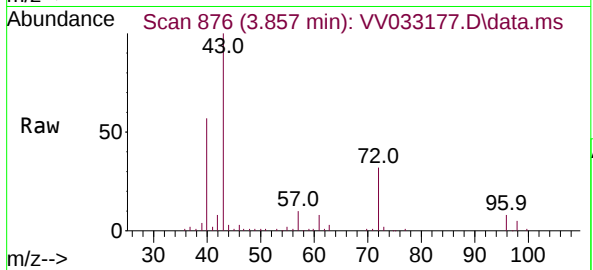




#22
2-Butanone
Concen: 87.944 ug/L
RT: 3.857 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

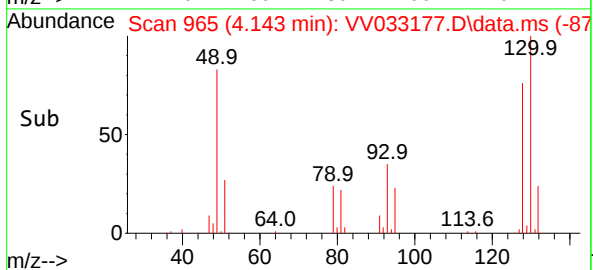
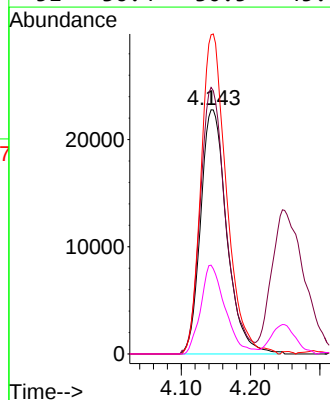
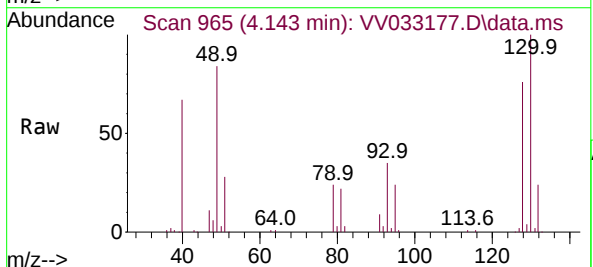
Instrument :
MSVOA_V
ClientSampleId :

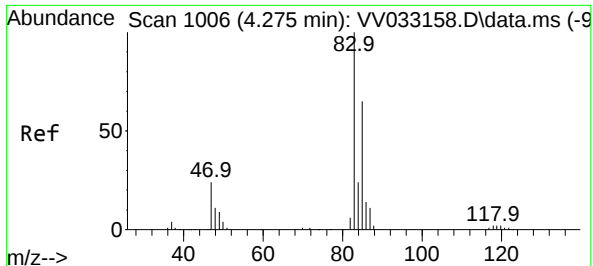
Tgt Ion: 43 Resp: 91286
Ion Ratio Lower Upper
43 100
72 31.7 14.6 43.8



#23
Bromochloromethane
Concen: 51.592 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.003 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Tgt Ion:128 Resp: 59539
Ion Ratio Lower Upper
128 100
49 109.2 81.7 151.7
130 130.8 90.1 167.3
51 36.4 30.5 45.7





#25

Chloroform

Concen: 51.681 ug/L

RT: 4.272 min Scan# 1006

Delta R.T. -0.003 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

Instrument :

MSVOA_V

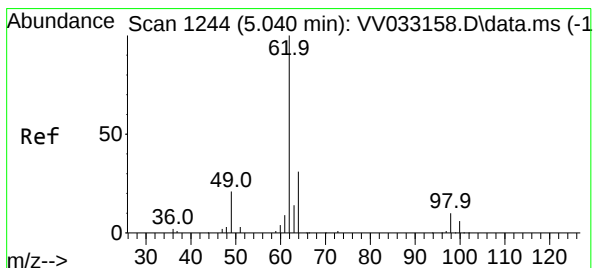
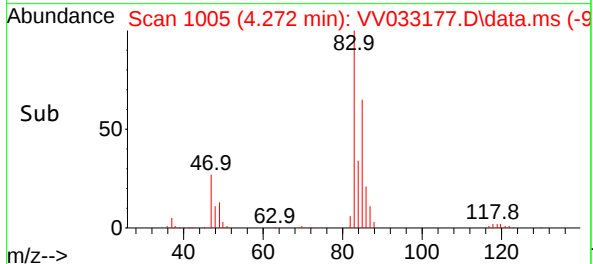
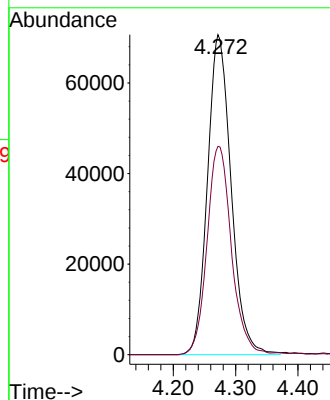
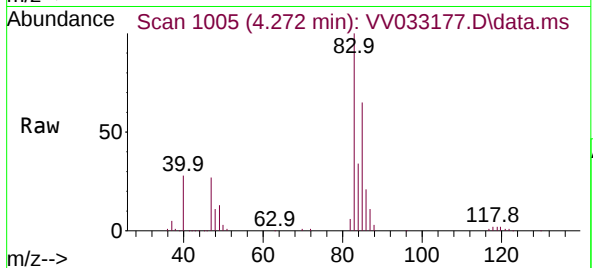
ClientSampleId :

Tgt Ion: 83 Resp: 186338

Ion Ratio Lower Upper

83 100

85 65.1 43.5 80.7



#27

1,2-Dichloroethane

Concen: 53.745 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV033177.D

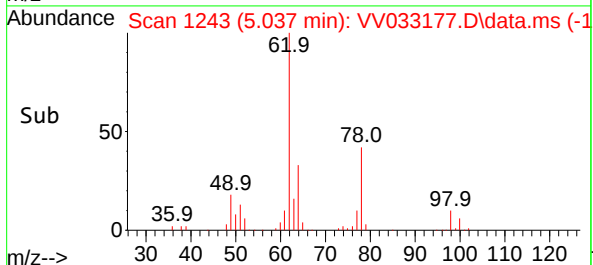
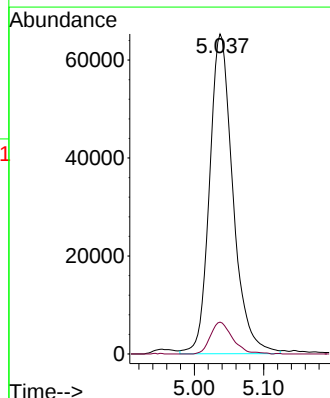
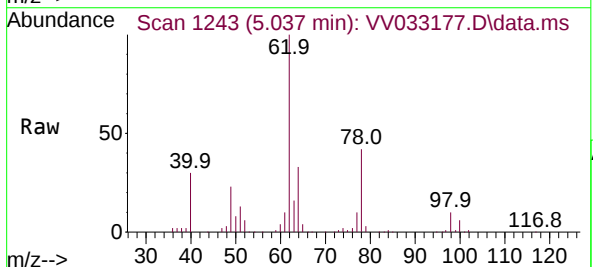
Acq: 08 Dec 2023 09:52

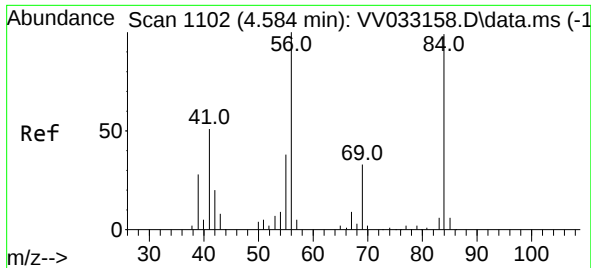
Tgt Ion: 62 Resp: 153126

Ion Ratio Lower Upper

62 100

98 10.0 7.8 11.8

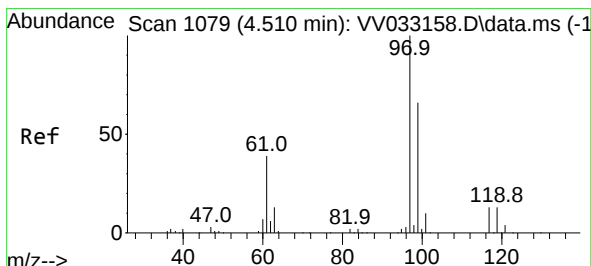
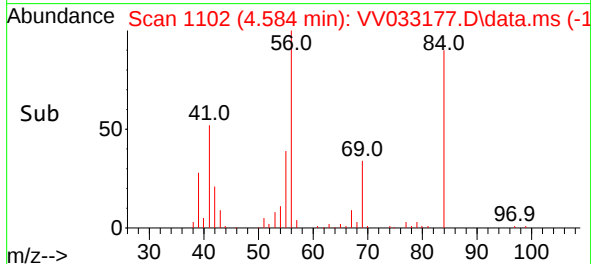
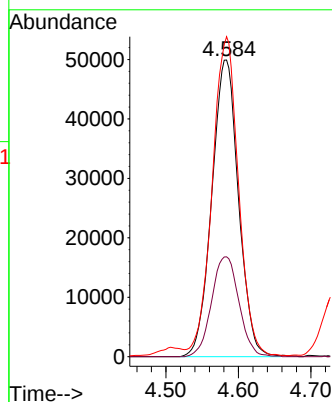
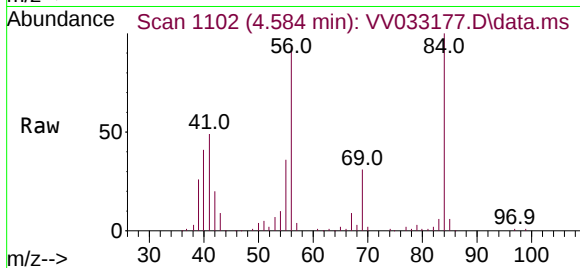




#29
Cyclohexane
Concen: 47.586 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

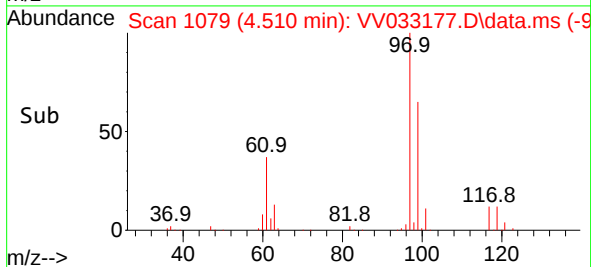
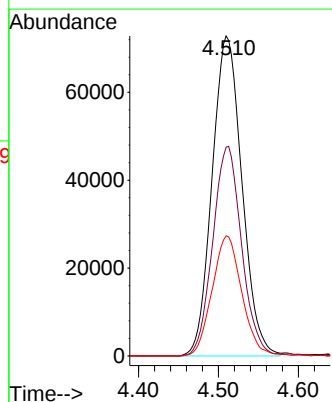
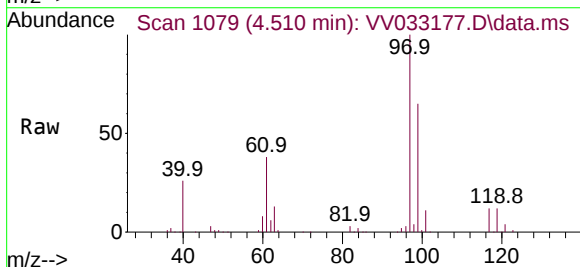
Instrument :
MSVOA_V
ClientSampleId :

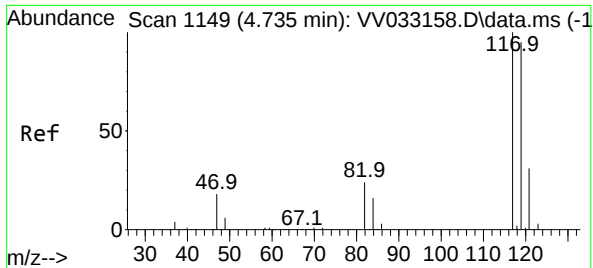
Tgt Ion: 56 Resp: 127587
Ion Ratio Lower Upper
56 100
69 34.5 26.9 40.3
84 104.3 80.6 121.0



#30
1,1,1-Trichloroethane
Concen: 52.542 ug/L
RT: 4.510 min Scan# 1079
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Tgt Ion: 97 Resp: 188493
Ion Ratio Lower Upper
97 100
99 63.3 51.3 76.9
61 37.3 31.8 47.8

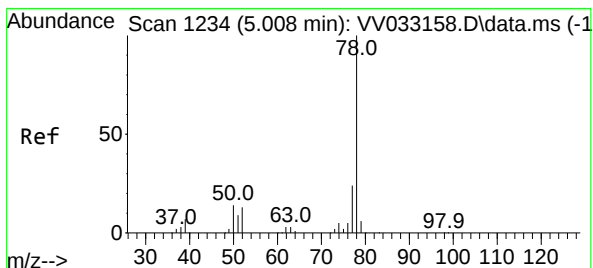
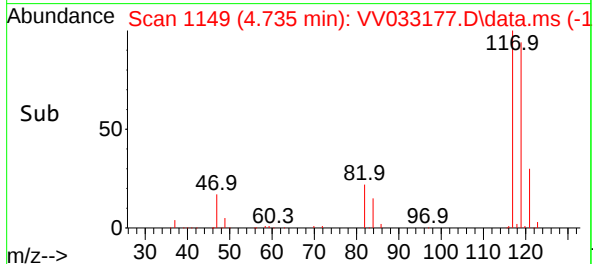
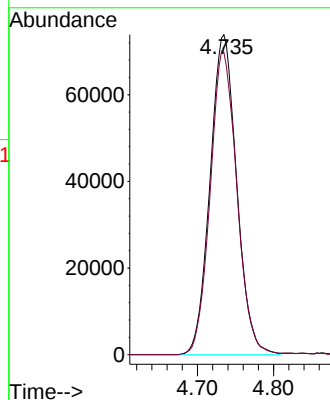
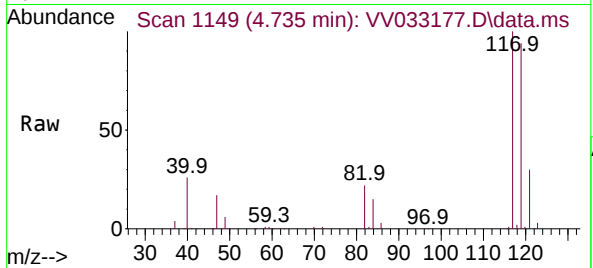




#31
Carbon tetrachloride
Concen: 53.785 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

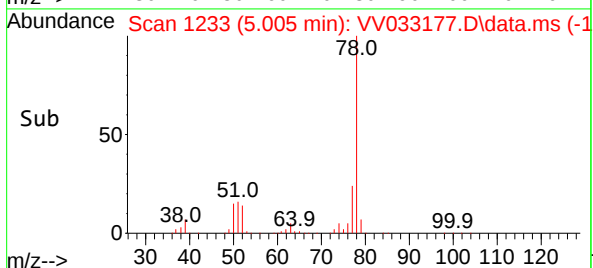
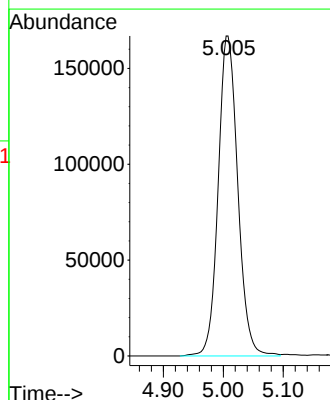
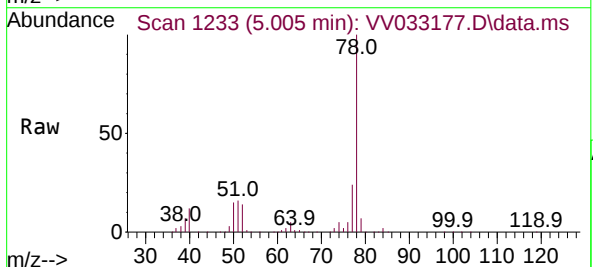
Instrument :
MSVOA_V
ClientSampleId :

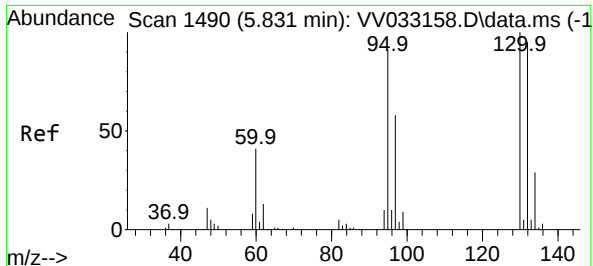
Tgt Ion:117 Resp: 179412
Ion Ratio Lower Upper
117 100
119 95.0 77.5 116.3



#33
Benzene
Concen: 51.360 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.003 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Tgt Ion: 78 Resp: 377804

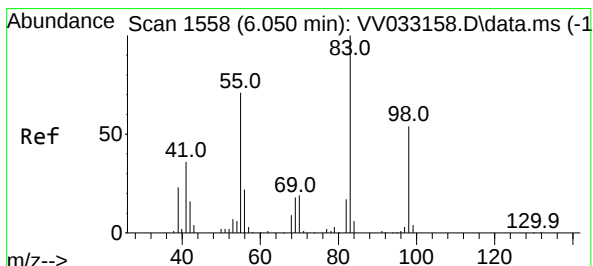
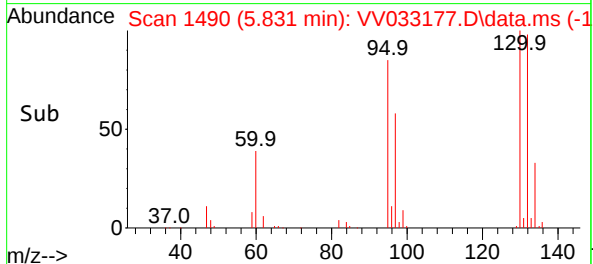
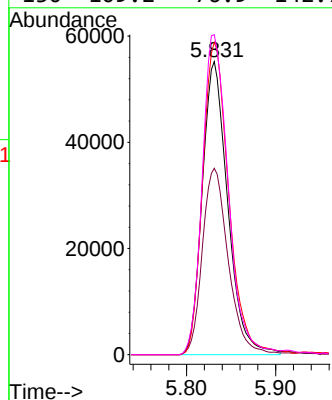
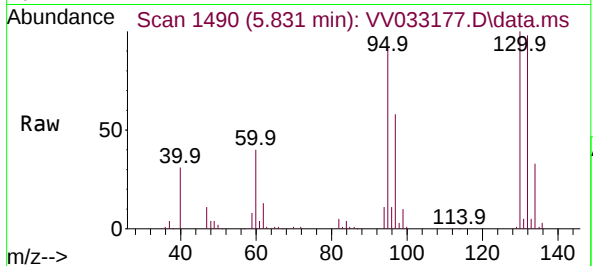




#34
Trichloroethene
Concen: 49.882 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

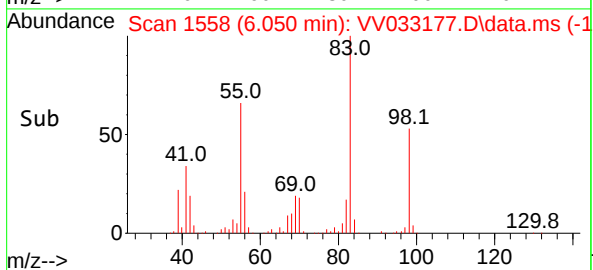
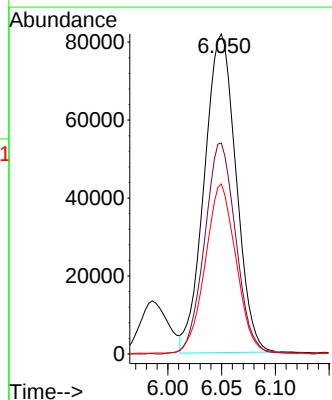
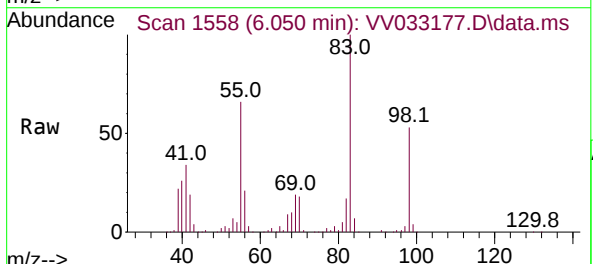
Instrument :
MSVOA_V
ClientSampleId :

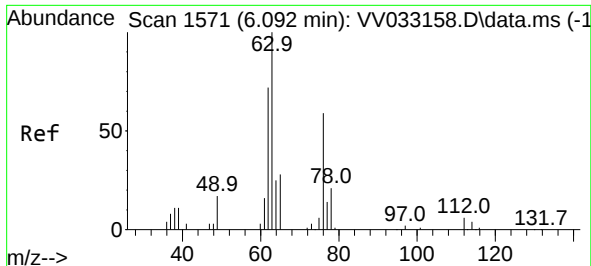
Tgt Ion: 95 Resp: 109623
Ion Ratio Lower Upper
95 100
97 63.6 45.8 85.0
132 106.6 77.4 143.8
130 109.2 76.9 142.7



#35
Methylcyclohexane
Concen: 52.630 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Tgt Ion: 83 Resp: 167865
Ion Ratio Lower Upper
83 100
55 65.1 54.8 82.2
98 52.3 41.4 62.0





#37

1,2-Dichloropropane

Concen: 51.432 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

Instrument :

MSVOA_V

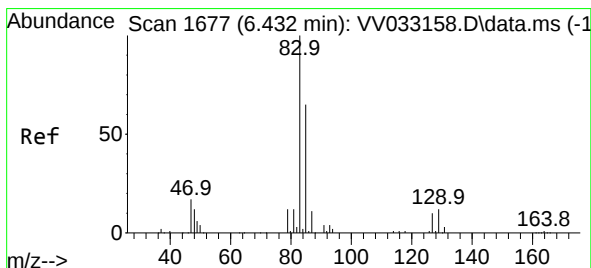
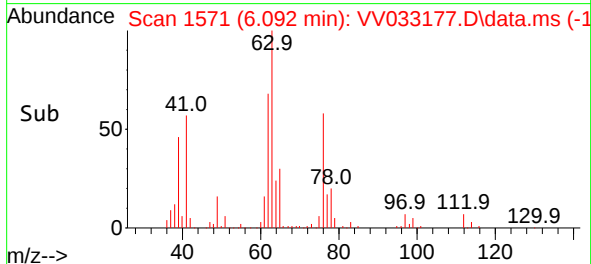
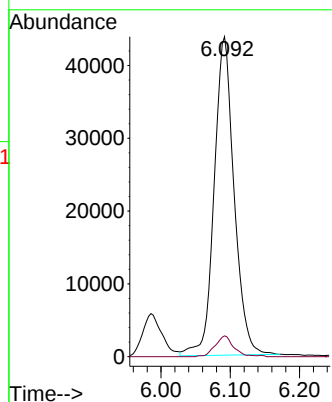
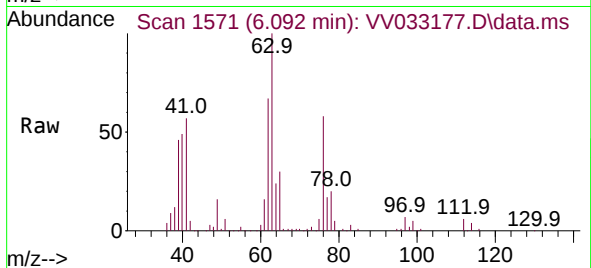
ClientSampleId :

Tgt Ion: 63 Resp: 87558

Ion Ratio Lower Upper

63 100

112 5.8 4.6 6.8



#38

Bromodichloromethane

Concen: 51.094 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.003 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

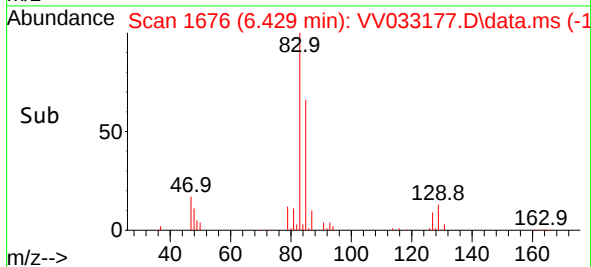
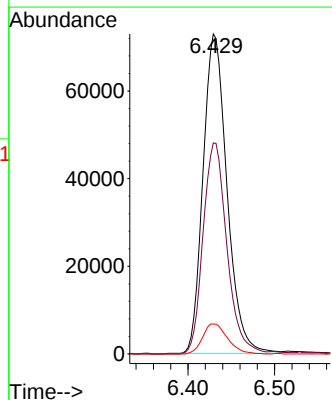
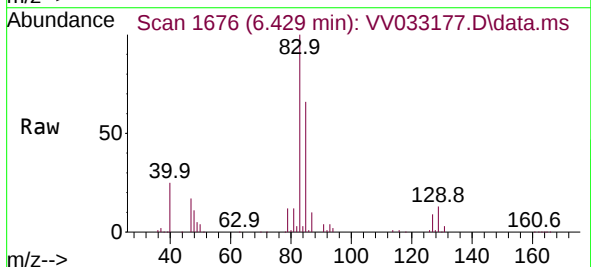
Tgt Ion: 83 Resp: 140231

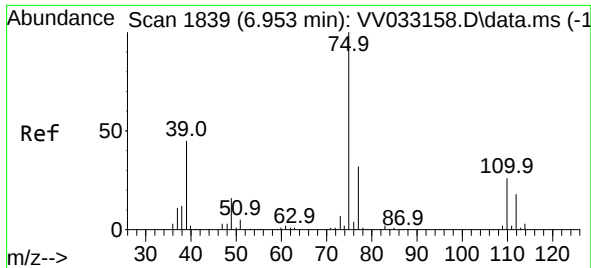
Ion Ratio Lower Upper

83 100

85 65.9 45.6 84.6

127 9.4 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 49.621 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

Instrument :

MSVOA_V

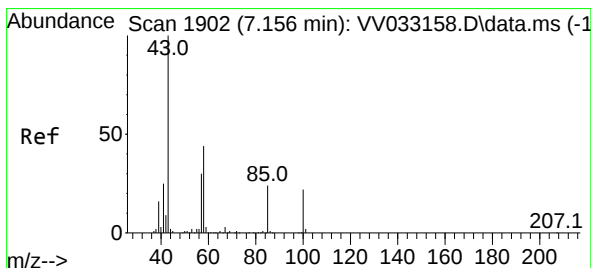
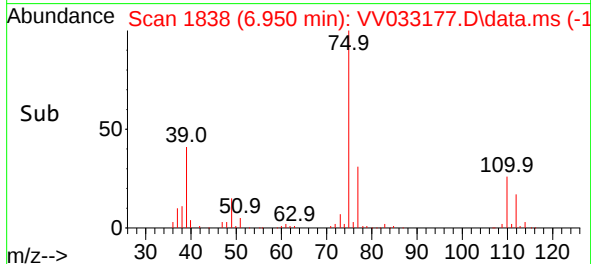
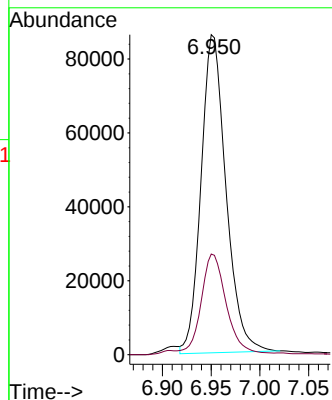
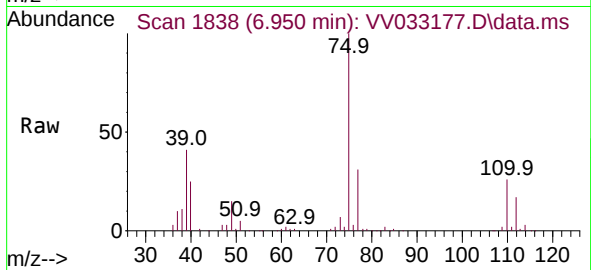
ClientSampleId :

Tgt Ion: 75 Resp: 153286

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 95.560 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.003 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

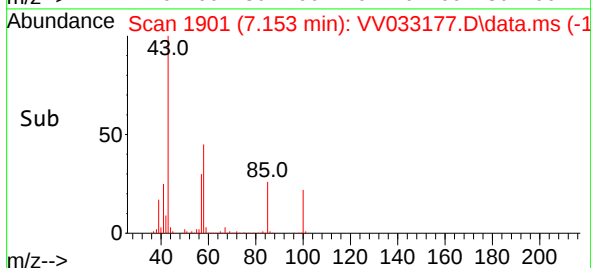
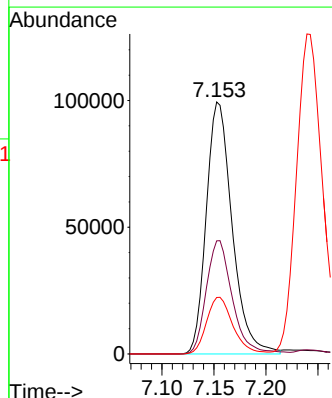
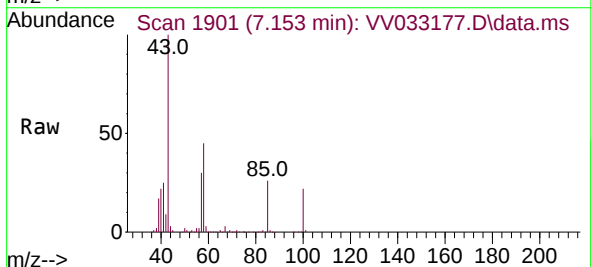
Tgt Ion: 43 Resp: 172730

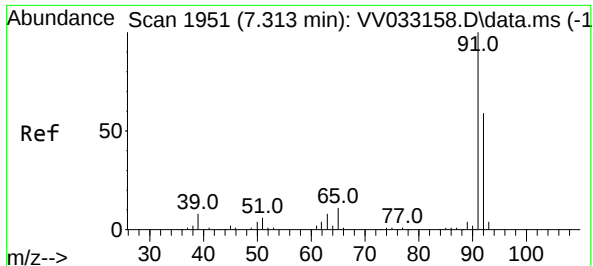
Ion Ratio Lower Upper

43 100

58 45.1 34.5 51.7

100 22.9 17.0 25.6





#42

Toluene

Concen: 53.384 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

Instrument :

MSVOA_V

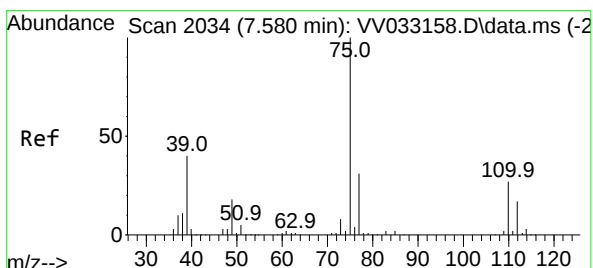
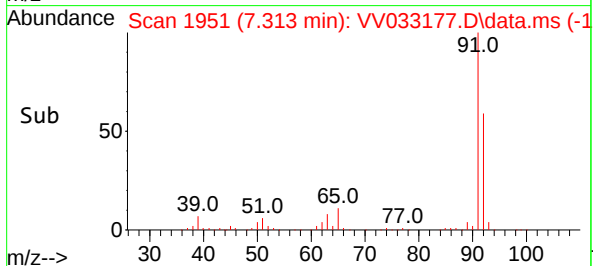
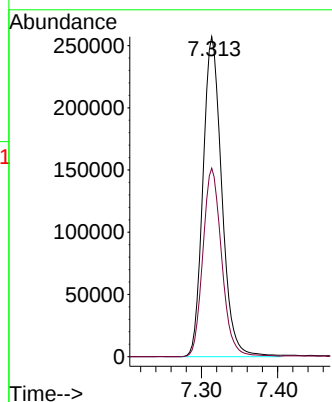
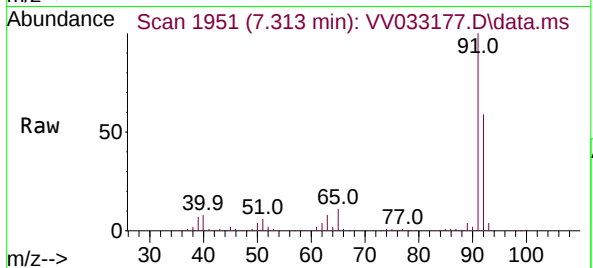
ClientSampleId :

Tgt Ion: 91 Resp: 442510

Ion Ratio Lower Upper

91 100

92 58.9 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 52.548 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV033177.D

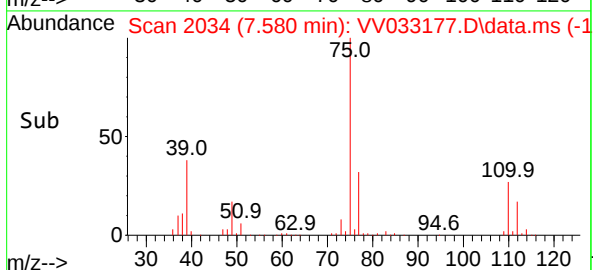
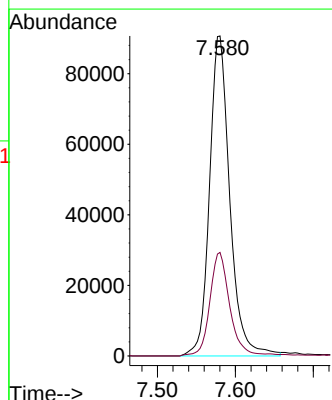
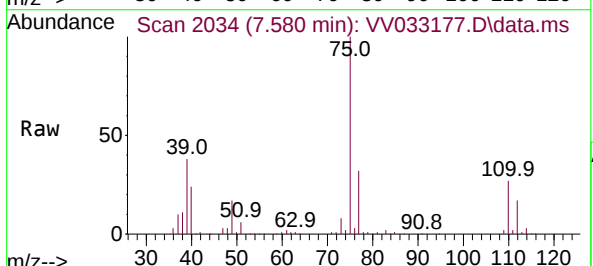
Acq: 08 Dec 2023 09:52

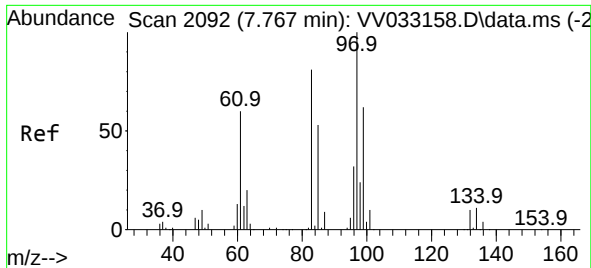
Tgt Ion: 75 Resp: 164143

Ion Ratio Lower Upper

75 100

77 32.3 22.0 41.0



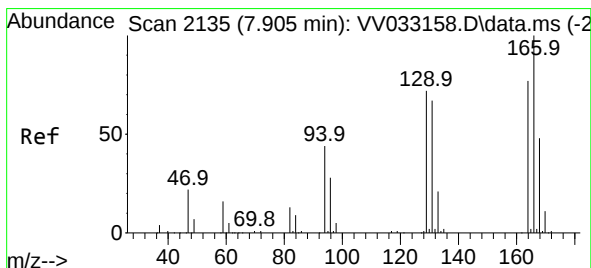
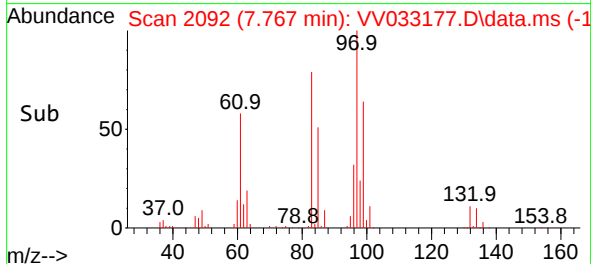
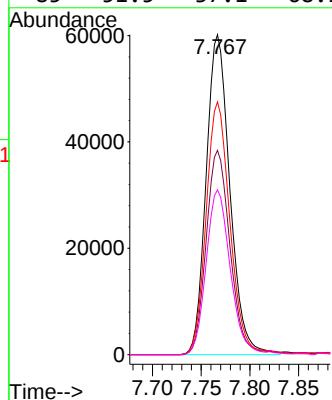
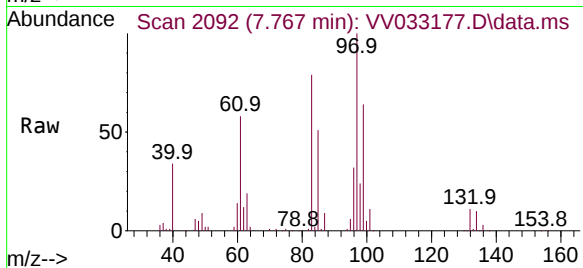


#45
1,1,2-Trichloroethane
Concen: 51.647 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 101946

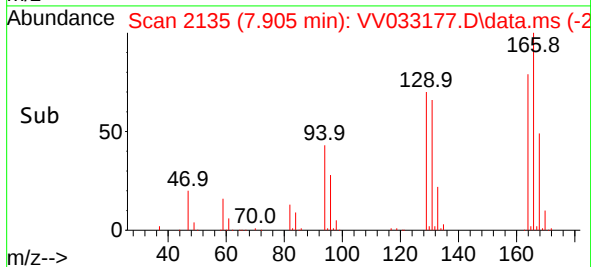
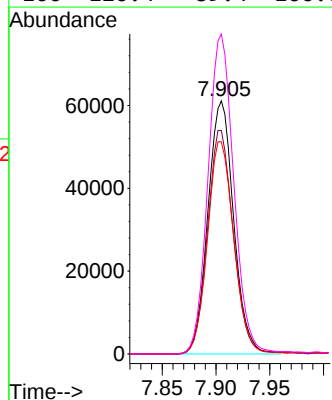
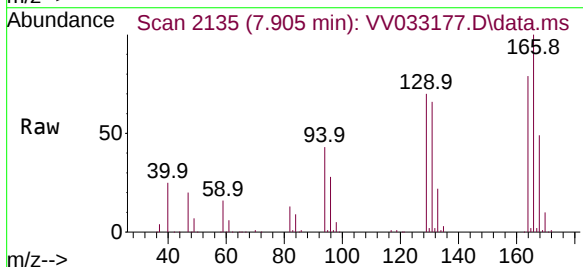
Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.2	80.2
83	79.0	55.8	103.6
85	51.5	37.1	68.9

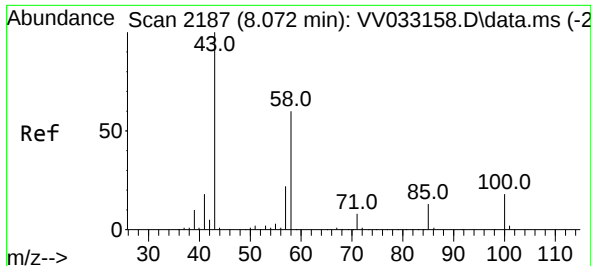


#46
Tetrachloroethene
Concen: 53.899 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Tgt Ion: 164 Resp: 101824

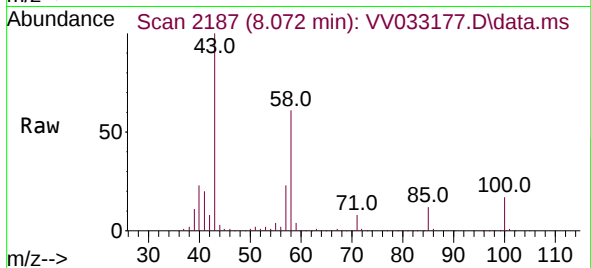
Ion	Ratio	Lower	Upper
164	100		
129	88.3	65.6	121.8
131	83.8	64.7	120.1
166	126.4	89.4	166.0



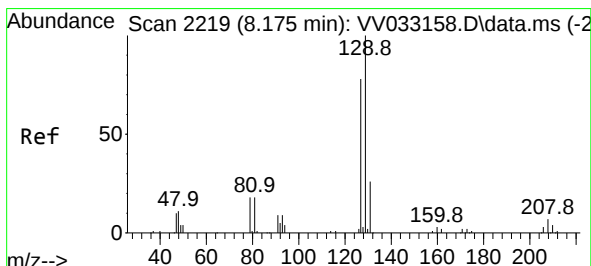
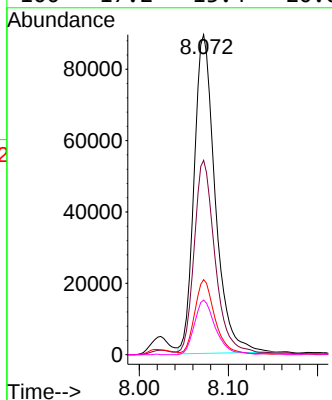
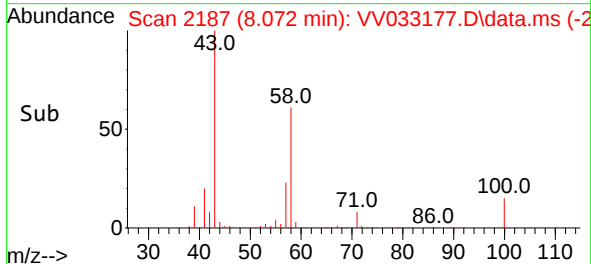


#48
2-Hexanone
Concen: 98.293 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

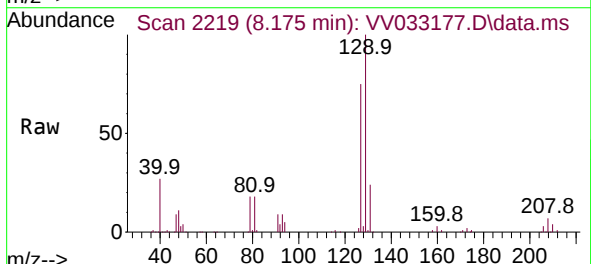
Instrument :
MSVOA_V
ClientSampleId :



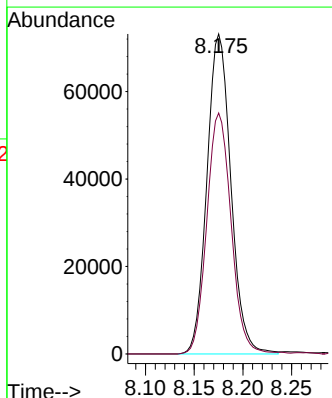
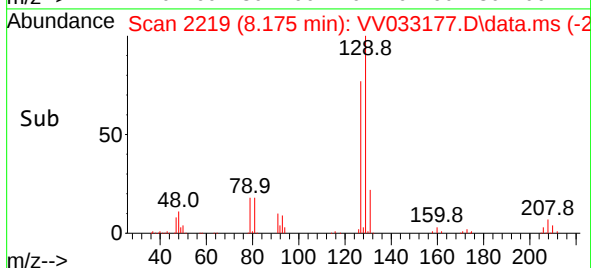
Tgt Ion: 43	Resp: 147306
Ion Ratio	Lower Upper
43 100	
58 60.2	47.9 71.9
57 22.5	17.4 26.0
100 17.2	13.4 20.0

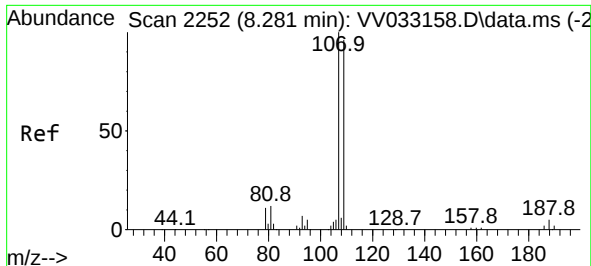


#49
Dibromochloromethane
Concen: 53.228 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52



Tgt Ion:129	Resp: 125426		
Ion Ratio	Lower	Upper	
129 100			
127 75.3	54.1	100.5	





#50

1,2-Dibromoethane

Concen: 51.858 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

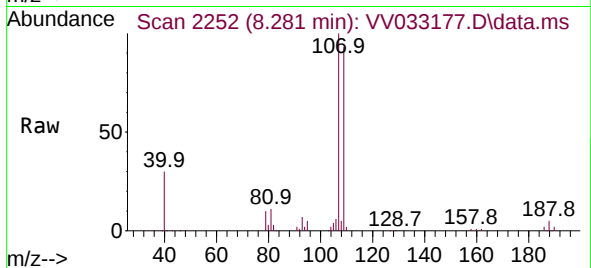
Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

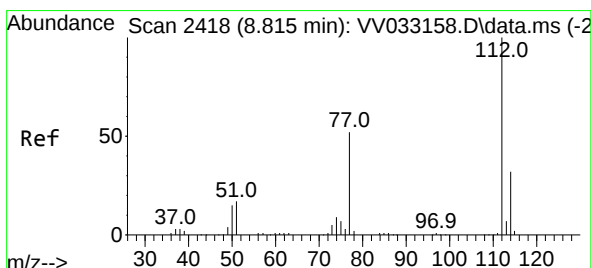
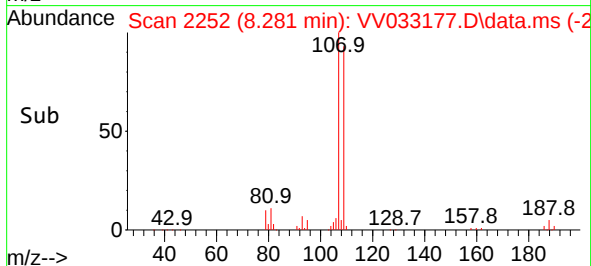
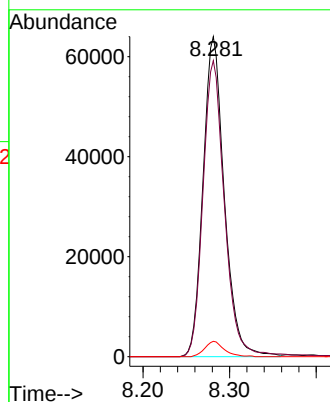
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	109134
Ion	Ratio	Lower	Upper
107	100		
109	92.5	65.2	121.2
188	5.0	3.8	5.6



#51

Chlorobenzene

Concen: 52.242 ug/L

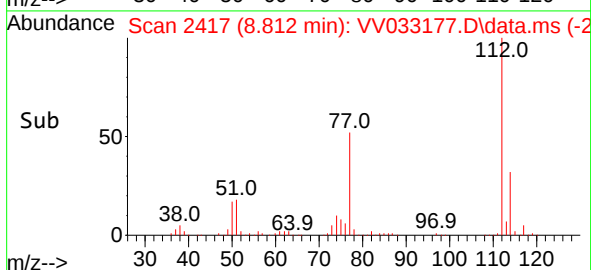
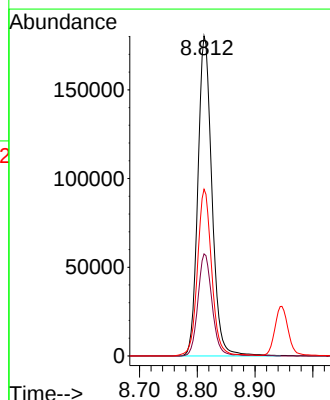
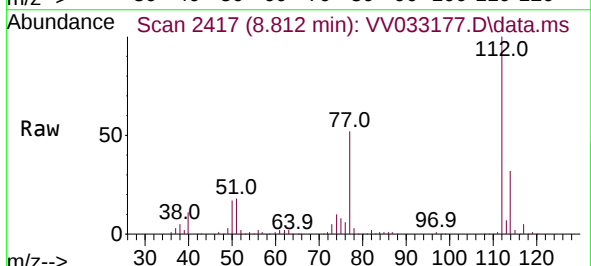
RT: 8.812 min Scan# 2417

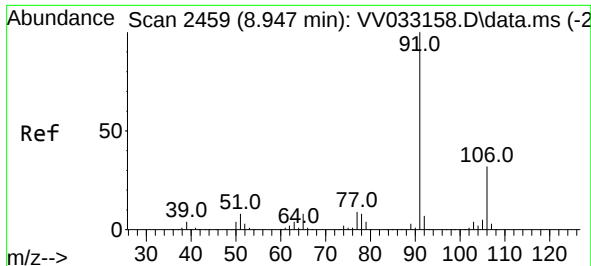
Delta R.T. -0.003 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

Tgt Ion:	112	Resp:	304525
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.9	42.5
77	52.1	42.6	64.0

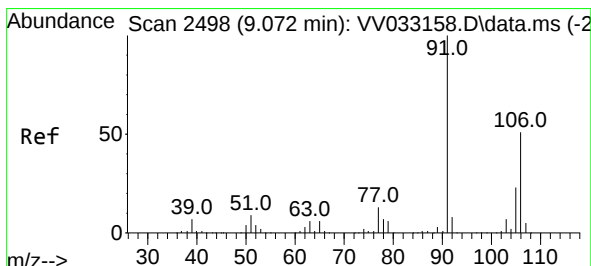
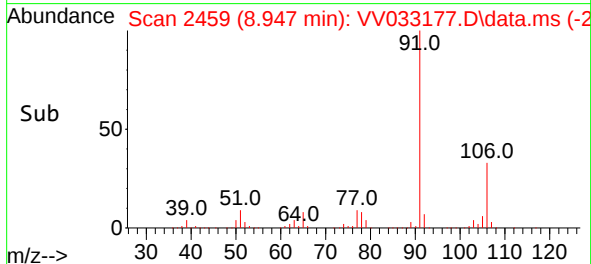
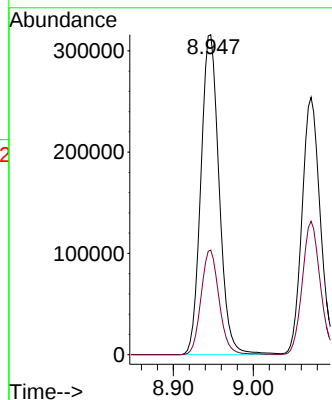
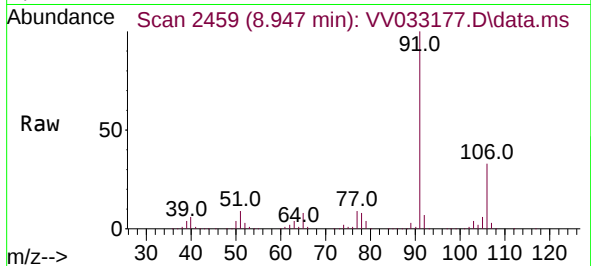




#52
Ethylbenzene
Concen: 52.767 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

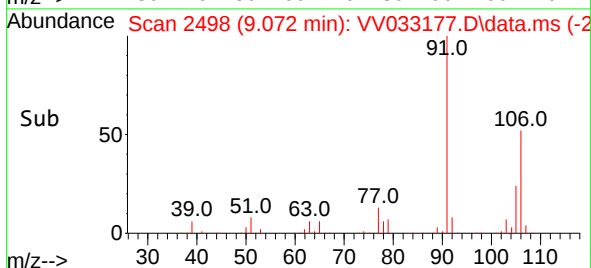
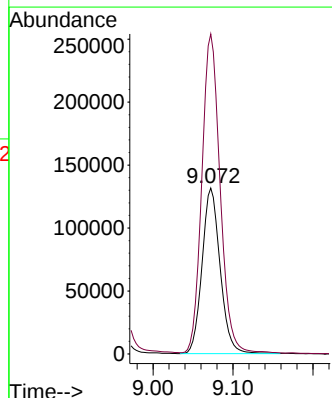
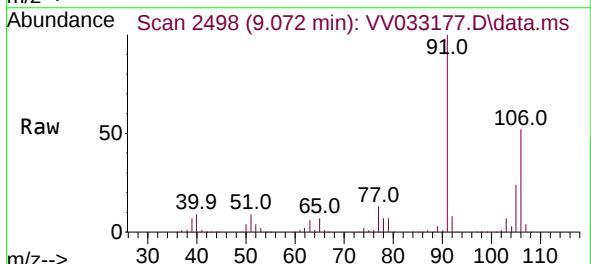
Instrument :
MSVOA_V
ClientSampleId :

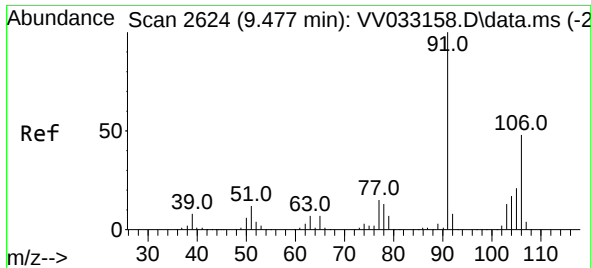
Tgt Ion: 91 Resp: 503463
Ion Ratio Lower Upper
91 100
106 32.7 22.6 42.0



#53
m,p-Xylene
Concen: 54.716 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Tgt Ion: 106 Resp: 206741
Ion Ratio Lower Upper
106 100
91 192.8 145.2 269.6

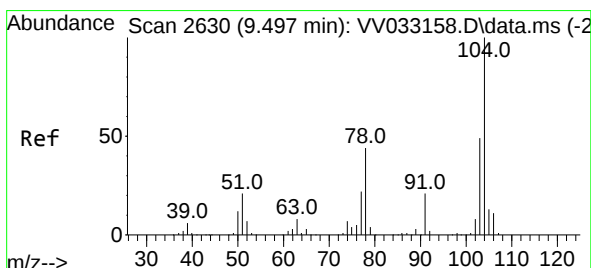
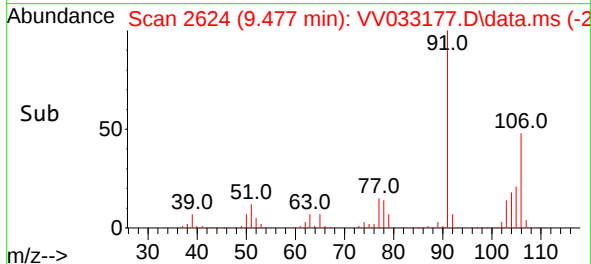
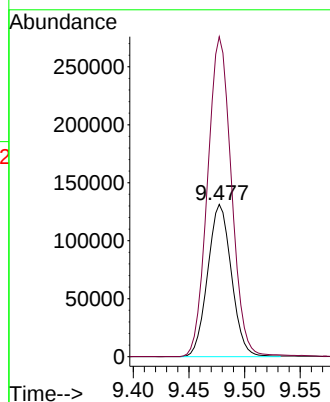
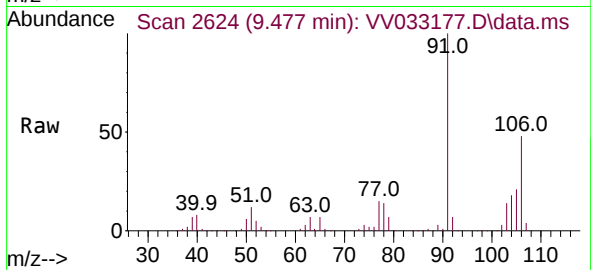




#54
o-Xylene
Concen: 52.267 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

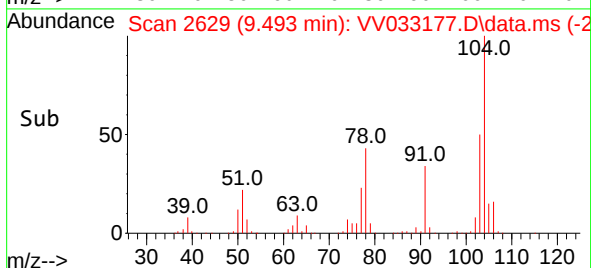
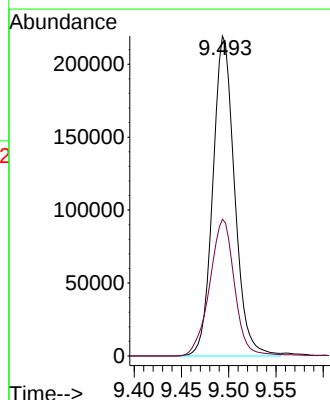
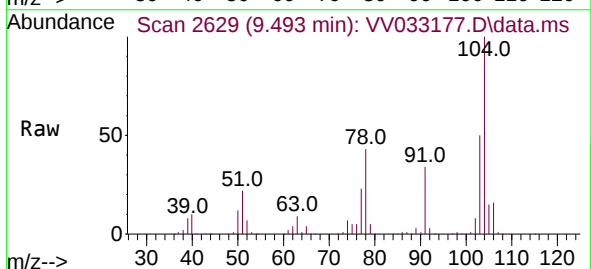
Instrument :
MSVOA_V
ClientSampleId :

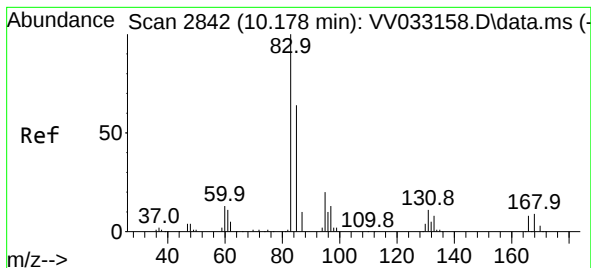
Tgt Ion:106 Resp: 194879
Ion Ratio Lower Upper
106 100
91 210.1 147.8 274.6



#55
Styrene
Concen: 54.547 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.003 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Tgt Ion:104 Resp: 351827
Ion Ratio Lower Upper
104 100
78 42.7 30.2 56.0

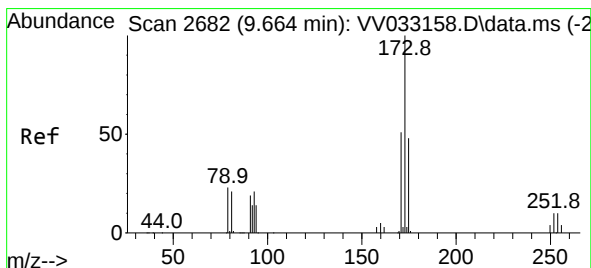
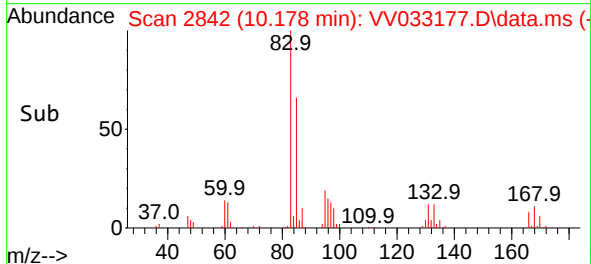
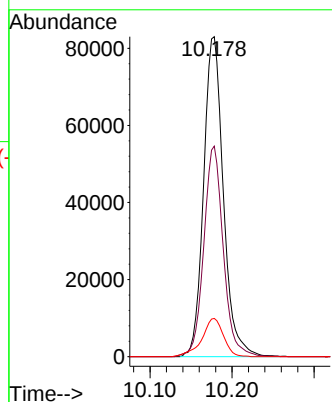
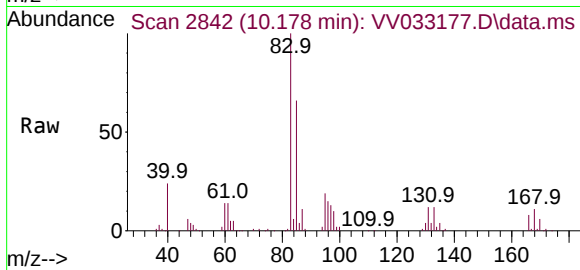




#57
1,1,2,2-Tetrachloroethane
Concen: 51.458 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

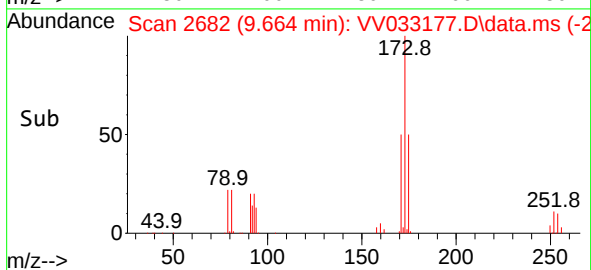
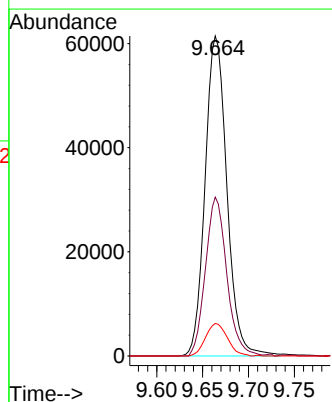
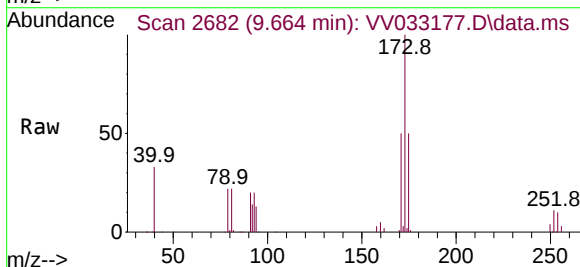
Instrument :
MSVOA_V
ClientSampleId :

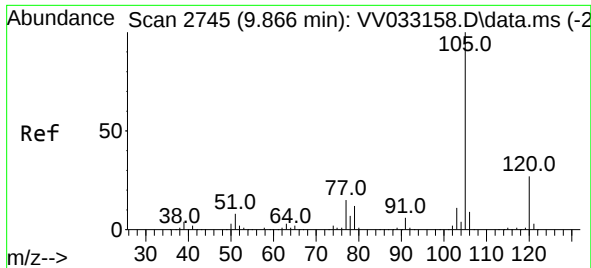
Tgt Ion: 83 Resp: 138775
Ion Ratio Lower Upper
83 100
85 65.8 45.5 84.5
131 12.0 9.7 14.5



#59
Bromoform
Concen: 50.974 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Tgt Ion: 173 Resp: 101727
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 10.2 8.0 12.0

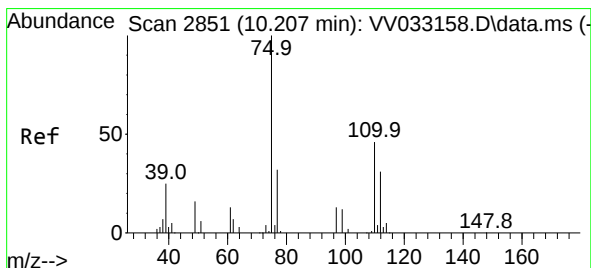
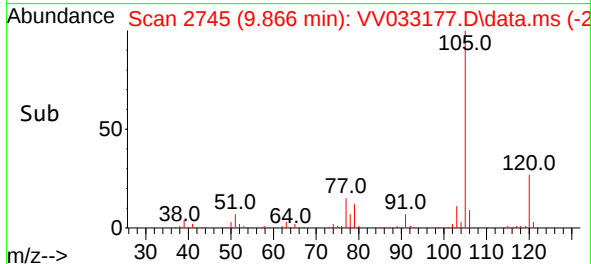
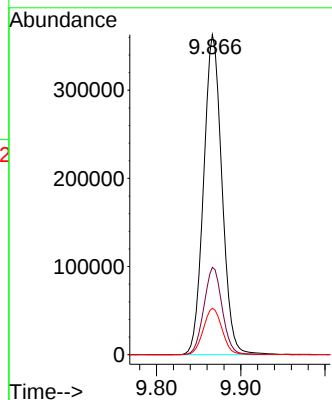
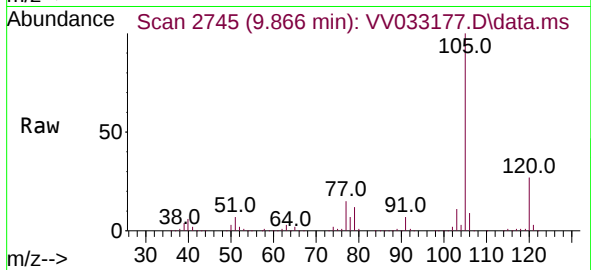




#60
Isopropylbenzene
Concen: 51.969 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

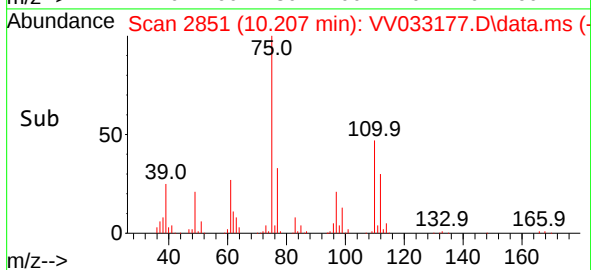
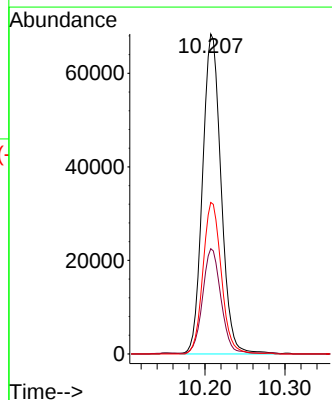
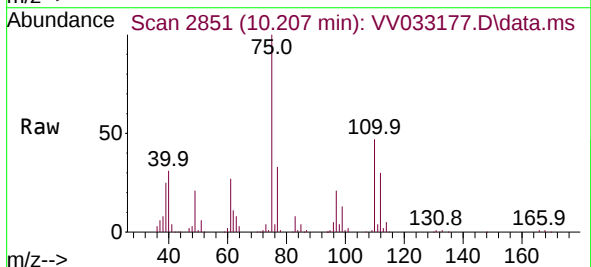
Instrument :
MSVOA_V
ClientSampleId :

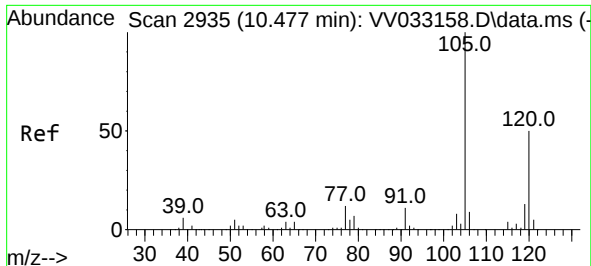
Tgt Ion:105 Resp: 550989
Ion Ratio Lower Upper
105 100
120 27.4 21.3 31.9
77 14.8 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 48.187 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Tgt Ion: 75 Resp: 110485
Ion Ratio Lower Upper
75 100
77 32.3 27.0 40.6
110 46.9 38.1 57.1

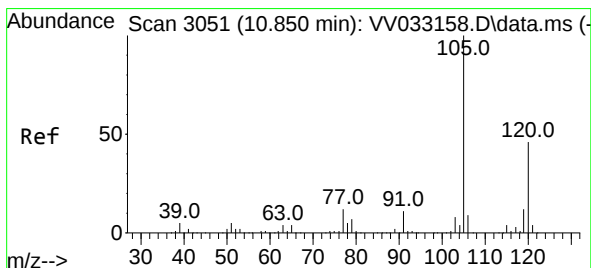
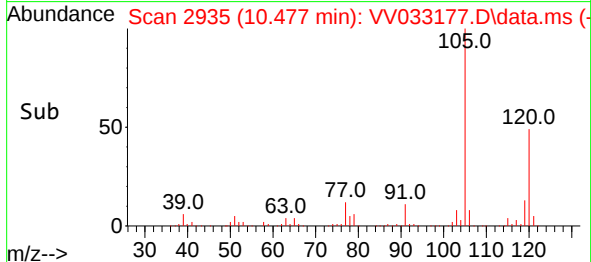
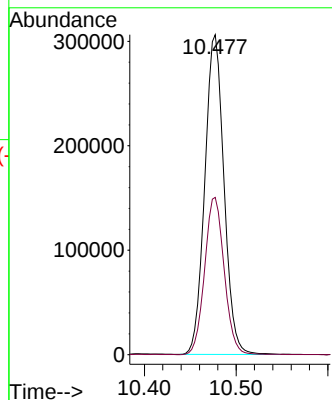
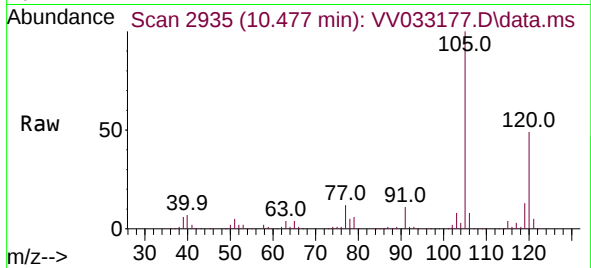




#62
 1,3,5-Trimethylbenzene
 Concen: 52.034 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VV033177.D
 Acq: 08 Dec 2023 09:52

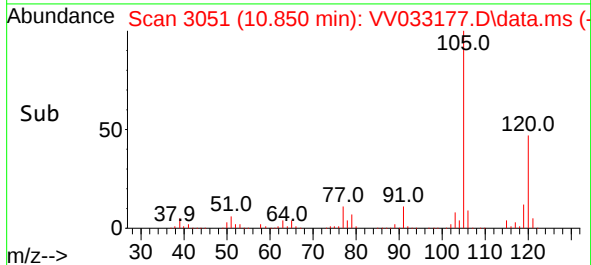
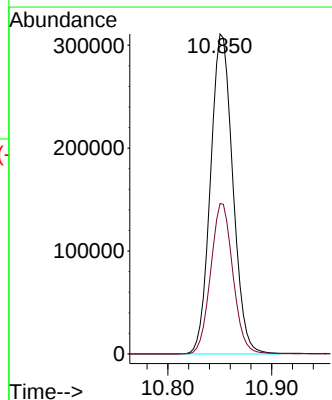
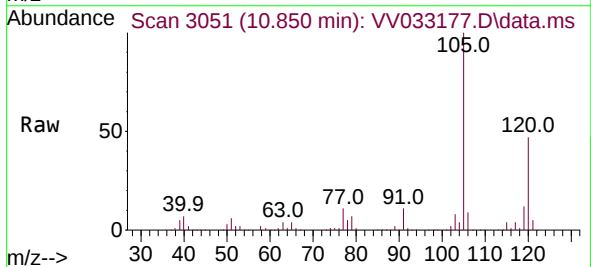
Instrument :
 MSVOA_V
 ClientSampleId :

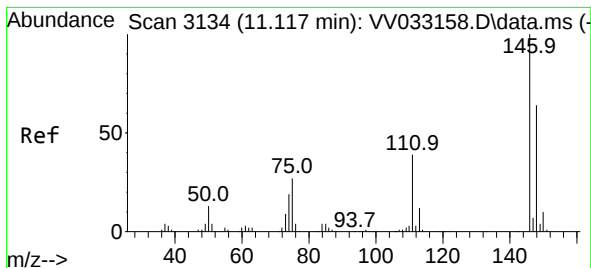
Tgt Ion:105 Resp: 444483
 Ion Ratio Lower Upper
 105 100
 120 50.2 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 52.205 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. -0.000 min
 Lab File: VV033177.D
 Acq: 08 Dec 2023 09:52

Tgt Ion:105 Resp: 464425
 Ion Ratio Lower Upper
 105 100
 120 46.7 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 51.734 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

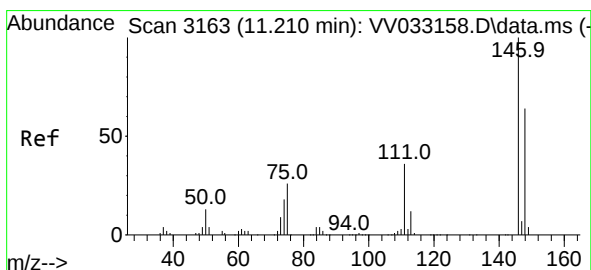
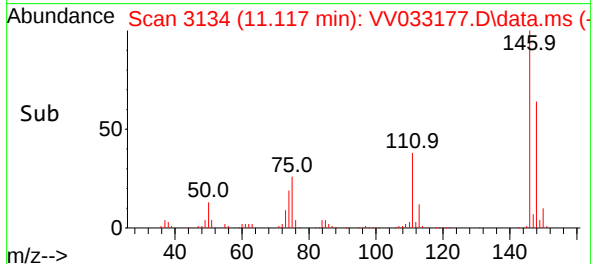
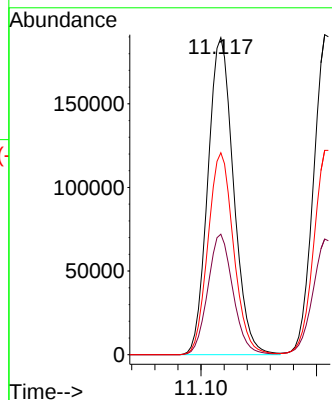
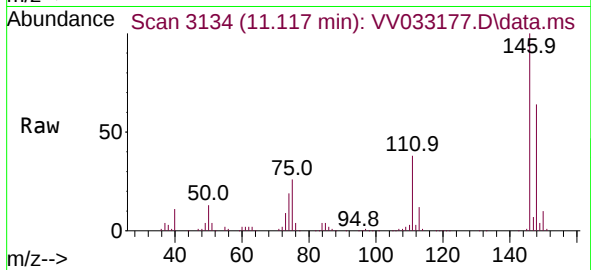
Tgt Ion:146 Resp: 293031

Ion Ratio Lower Upper

146 100

111 38.0 26.2 48.6

148 63.7 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 50.871 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

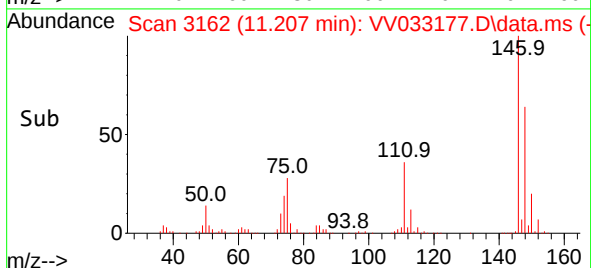
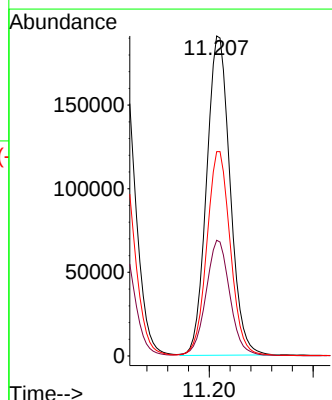
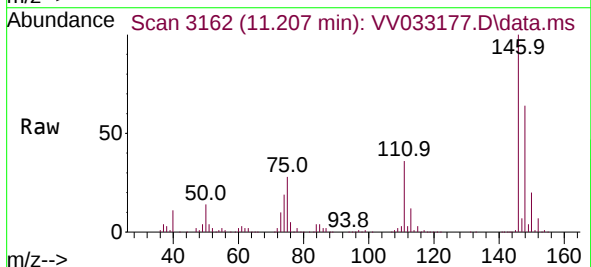
Tgt Ion:146 Resp: 299317

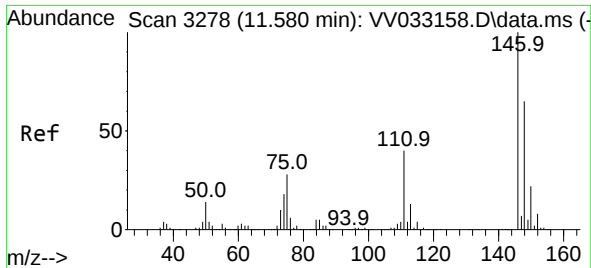
Ion Ratio Lower Upper

146 100

111 36.1 25.9 48.1

148 63.9 44.9 83.5

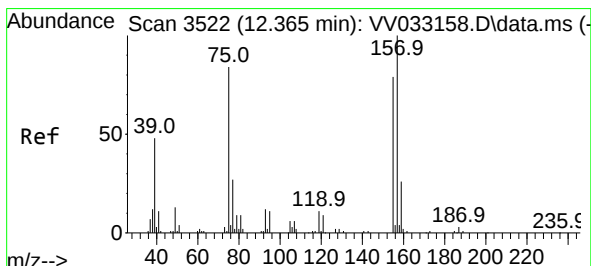
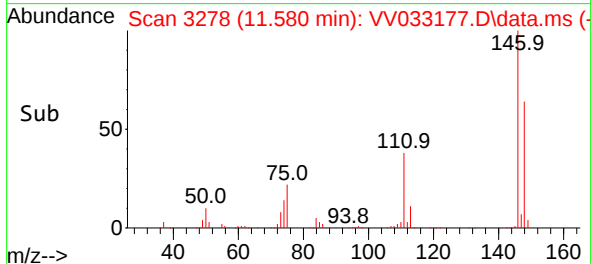
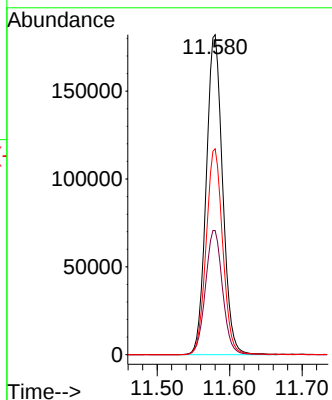
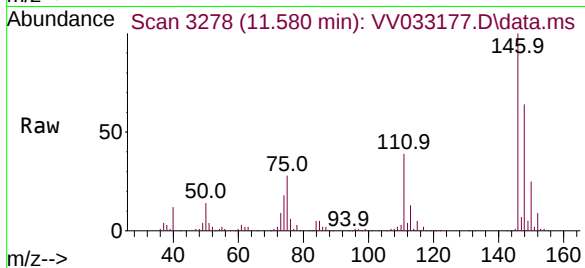




#67
1,2-Dichlorobenzene
Concen: 51.512 ug/L
RT: 11.580 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

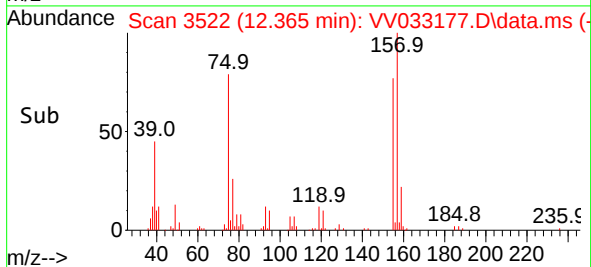
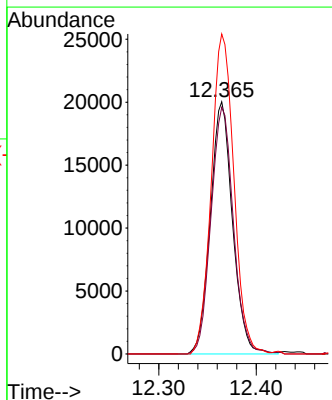
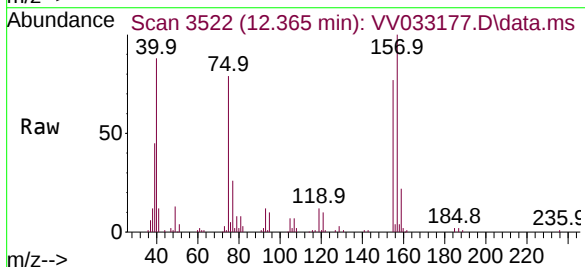
Instrument :
MSVOA_V
ClientSampleId :

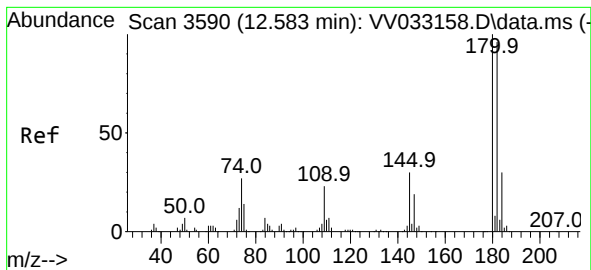
Tgt Ion:146 Resp: 286042
Ion Ratio Lower Upper
146 100
111 38.8 32.4 48.6
148 64.3 51.8 77.8



#68
1,2-Dibromo-3-chloropropane
Concen: 45.124 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. -0.000 min
Lab File: VV033177.D
Acq: 08 Dec 2023 09:52

Tgt Ion: 75 Resp: 31746
Ion Ratio Lower Upper
75 100
155 97.7 75.8 113.6
157 126.9 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 49.450 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 224361

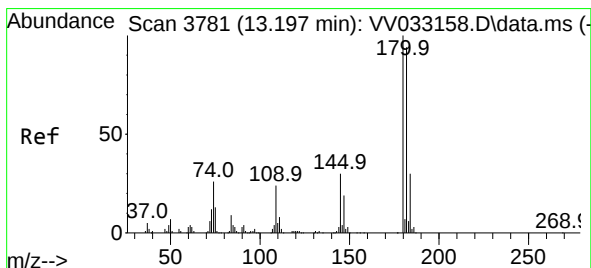
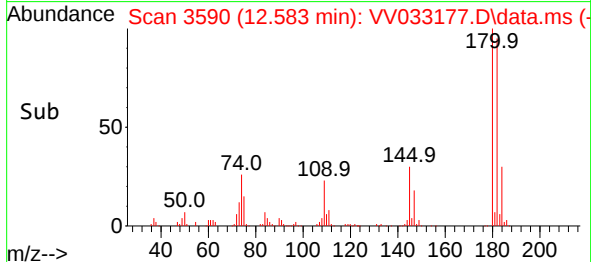
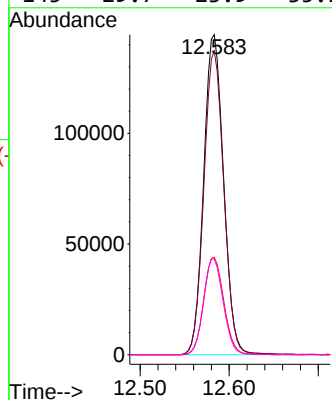
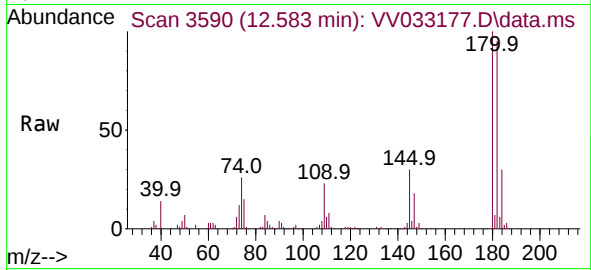
Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

184 30.6 24.2 36.4

145 29.7 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 49.306 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

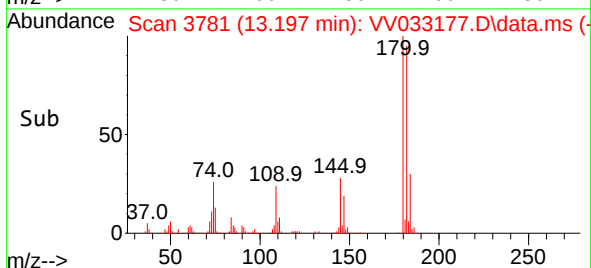
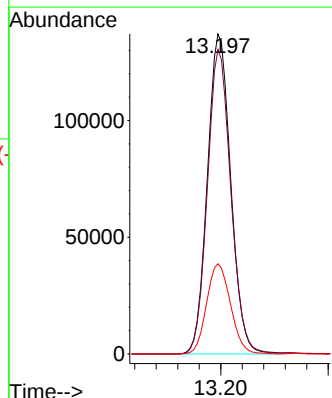
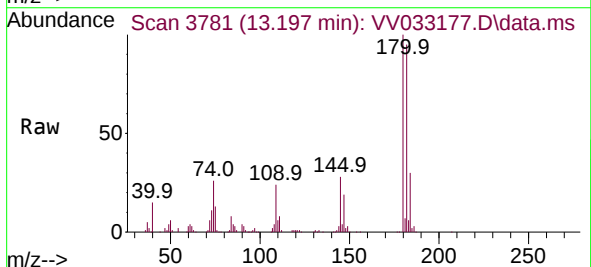
Tgt Ion:180 Resp: 206679

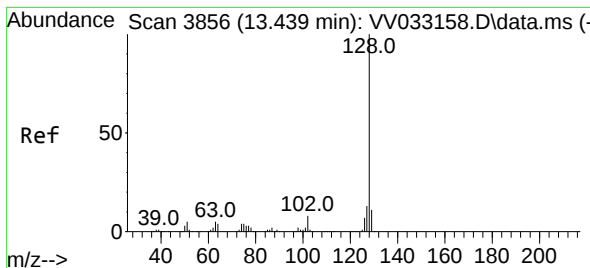
Ion Ratio Lower Upper

180 100

182 95.2 76.3 114.5

145 28.8 23.4 35.0





#71

Naphthalene

Concen: 44.983 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

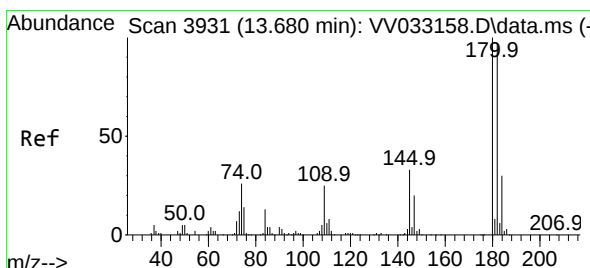
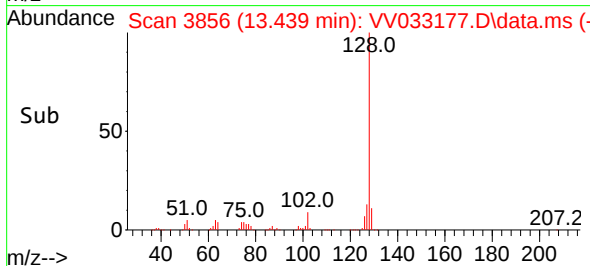
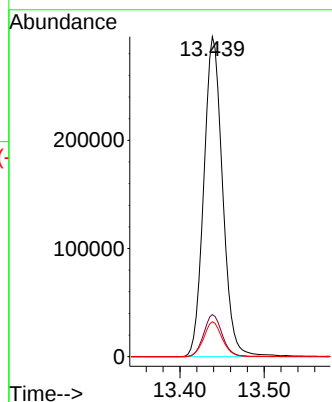
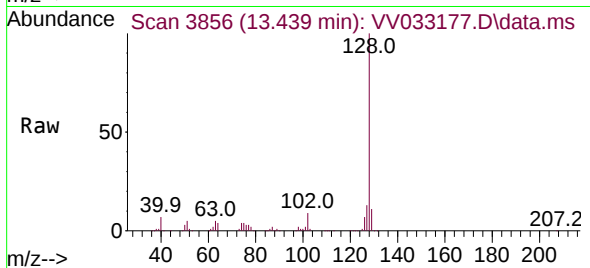
Tgt Ion:128 Resp: 459845

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 50.074 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033177.D

Acq: 08 Dec 2023 09:52

Tgt Ion:180 Resp: 202536

Ion Ratio Lower Upper

180 100

182 96.6 75.2 112.8

145 31.7 24.9 37.3

