

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120823\
 Data File : VV033200.D
 Acq On : 08 Dec 2023 18:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 08 22:03:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	283307	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	286129	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	178734	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	71560	42.253	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.500%
7) Chloroethane-d5	1.529	69	54620	46.286	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.580%
11) 1,1-Dichloroethene-d2	2.060	65	29619	45.972	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.940%
21) 2-Butanone-d5	3.783	46	83956	99.807	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.810%
24) Chloroform-d	4.249	84	174278	48.489	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.980%
26) 1,2-Dichloroethane-d4	4.941	65	110145	49.291	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.580%
32) Benzene-d6	4.960	84	321628	48.062	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.120%
36) 1,2-Dichloropropane-d6	5.989	67	83261	46.274	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.540%
41) Toluene-d8	7.243	98	313262	49.072	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.140%
43) trans-1,3-Dichloroprop...	7.555	79	51513	45.275	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.560%
47) 2-Hexanone-d5	8.024	63	74444	102.988	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.990%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	133078	52.029	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.060%
66) 1,2-Dichlorobenzene-d4	11.561	152	150920	47.458	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	146824	47.413	ug/L	99
3) Chloromethane	1.214	50	95340	46.680	ug/L	98
5) Vinyl chloride	1.285	62	92833	47.393	ug/L	99
6) Bromomethane	1.484	94	63231	49.470	ug/L	99
8) Chloroethane	1.548	64	50385	48.314	ug/L	98
9) Trichlorofluoromethane	1.712	101	171326	53.006	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	80571	53.083	ug/L	98
12) 1,1-Dichloroethene	2.069	96	76934	54.166	ug/L	98
13) Acetone	2.108	43	64772	80.658	ug/L	97
14) Carbon disulfide	2.243	76	229723	45.080	ug/L	100
15) Methyl Acetate	2.372	43	67595	50.503	ug/L	98
16) Methylene chloride	2.446	84	93145	49.525	ug/L	93
17) trans-1,2-Dichloroethene	2.696	96	89408	47.943	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	286146	50.510	ug/L	98
19) 1,1-Dichloroethane	3.111	63	151673	49.140	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	100265	50.670	ug/L	95
22) 2-Butanone	3.863	43	92895	90.899	ug/L	95
23) Bromochloromethane	4.150	128	56150	49.419	ug/L	94
25) Chloroform	4.278	83	184745	52.044	ug/L	99

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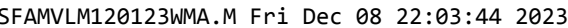
Instrument :
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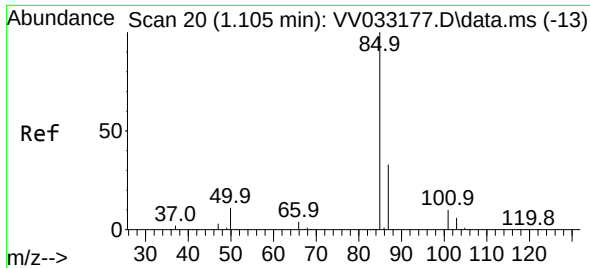
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	146185	52.114	ug/L	99
29) Cyclohexane	4.587	56	121038	45.799	ug/L	96
30) 1,1,1-Trichloroethane	4.513	97	181069	51.205	ug/L	99
31) Carbon tetrachloride	4.738	117	170314	51.799	ug/L	99
33) Benzene	5.011	78	366891	50.601	ug/L	100
34) Trichloroethene	5.834	95	105182	48.556	ug/L	97
35) Methylcyclohexane	6.050	83	151742	48.266	ug/L	99
37) 1,2-Dichloropropane	6.092	63	82935	49.423	ug/L	99
38) Bromodichloromethane	6.433	83	138750	51.289	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	152147	49.967	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	190072	106.681	ug/L	98
42) Toluene	7.317	91	429306	52.543	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	154791	50.273	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	102050	52.450	ug/L	98
46) Tetrachloroethene	7.905	164	97762	52.500	ug/L	95
48) 2-Hexanone	8.072	43	152080	102.952	ug/L	99
49) Dibromochloromethane	8.178	129	122325	52.666	ug/L	98
50) 1,2-Dibromoethane	8.281	107	107743	51.941	ug/L	98
51) Chlorobenzene	8.815	112	288888	50.279	ug/L	100
52) Ethylbenzene	8.947	91	482338	51.287	ug/L	99
53) m,p-Xylene	9.072	106	193347	51.914	ug/L	96
54) o-Xylene	9.481	106	188416	51.268	ug/L	99
55) Styrene	9.497	104	339559	53.409	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	143757	54.079	ug/L	100
59) Bromoform	9.667	173	102990	53.092	ug/L	99
60) Isopropylbenzene	9.866	105	521343	50.588	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	114746	51.486	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	420033	50.587	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	441967	51.111	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	271756	49.358	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	279155	48.810	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	274342	50.827	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	35823	52.384	ug/L	92
69) 1,3,5-Trichlorobenzene	12.583	180	205906	46.689	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	189595	46.532	ug/L	99
71) Naphthalene	13.439	128	486644	48.975	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	195089	49.621	ug/L	97

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

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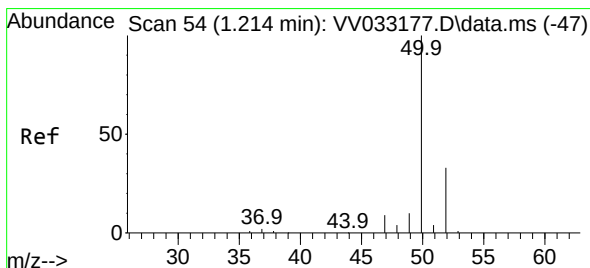
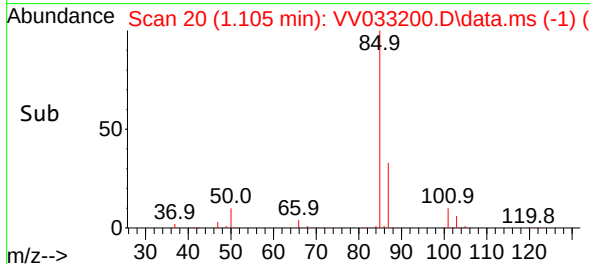
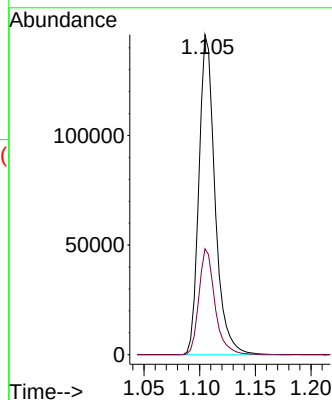
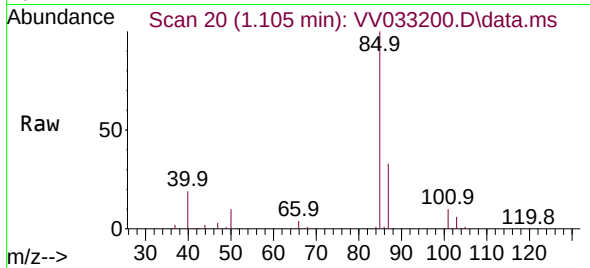




#2
 Dichlorodifluoromethane
 Concen: 47.413 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033200.D
 Acq: 08 Dec 2023 18:59

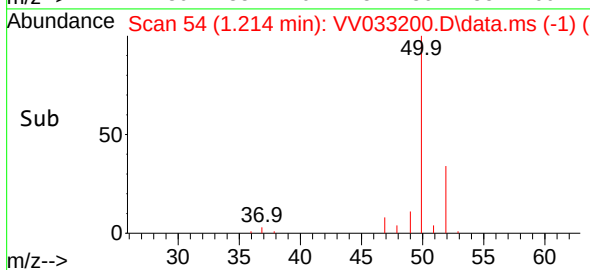
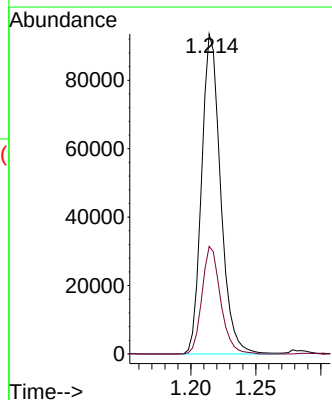
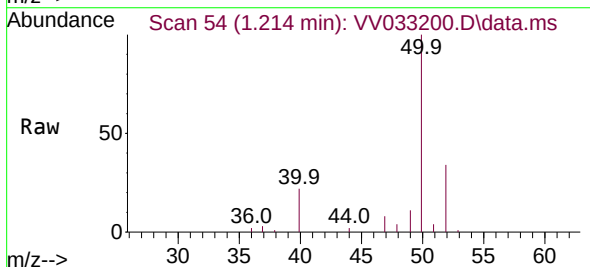
Instrument :
 MSVOA_V
 ClientSampleId :

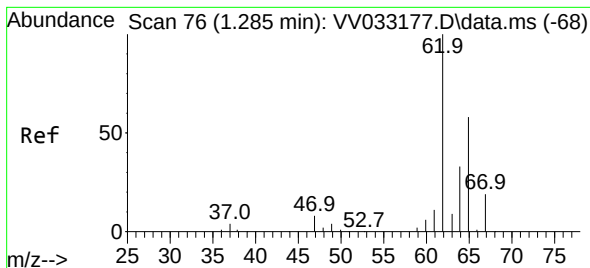
Tgt Ion: 85 Resp: 146824
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.0 39.0



#3
 Chloromethane
 Concen: 46.680 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033200.D
 Acq: 08 Dec 2023 18:59

Tgt Ion: 50 Resp: 95340
 Ion Ratio Lower Upper
 50 100
 52 33.6 22.8 42.4

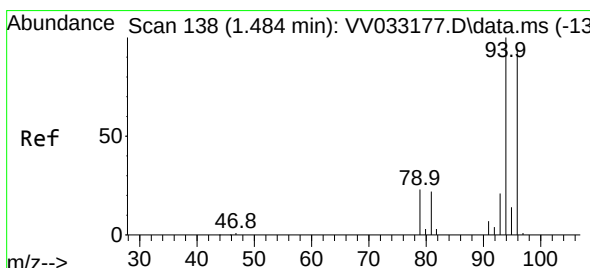
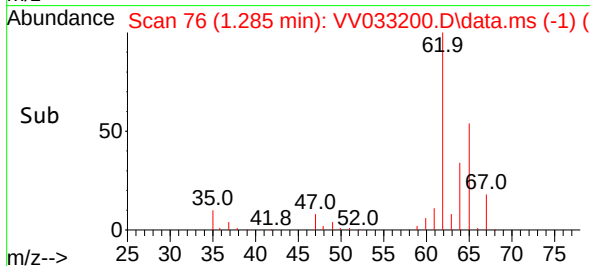
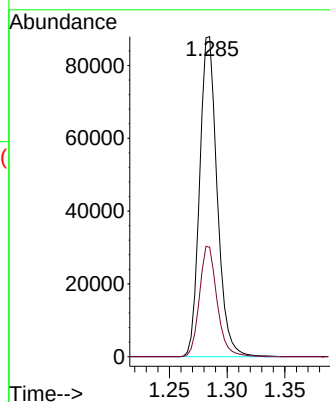
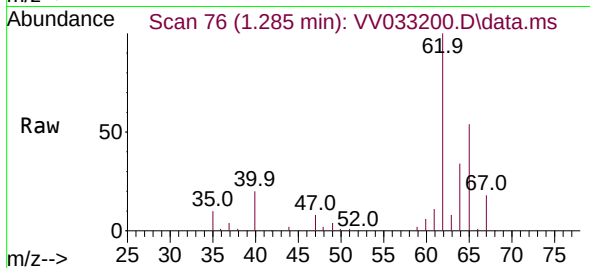




#5
 Vinyl chloride
 Concen: 47.393 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV033200.D
 Acq: 08 Dec 2023 18:59

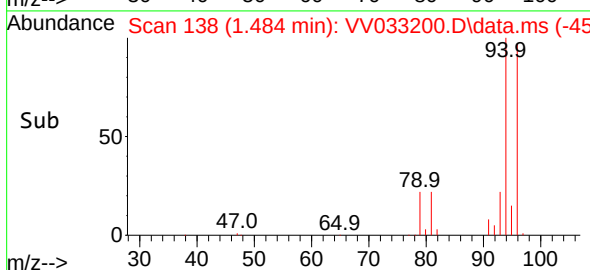
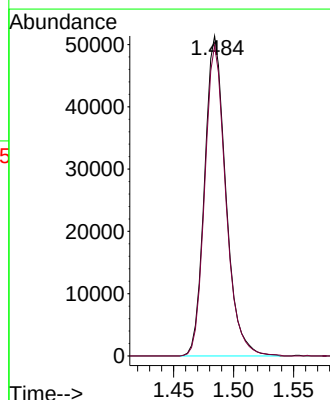
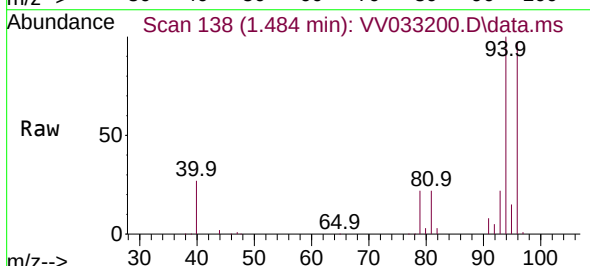
Instrument :
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 ClientSampleId :

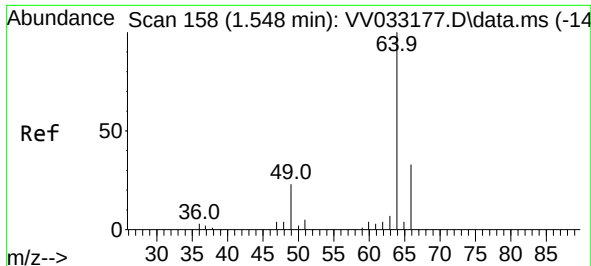
Tgt Ion: 62 Resp: 92833
 Ion Ratio Lower Upper
 62 100
 64 34.2 24.2 45.0



#6
 Bromomethane
 Concen: 49.470 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV033200.D
 Acq: 08 Dec 2023 18:59

Tgt Ion: 94 Resp: 63231
 Ion Ratio Lower Upper
 94 100
 96 97.0 67.1 124.7

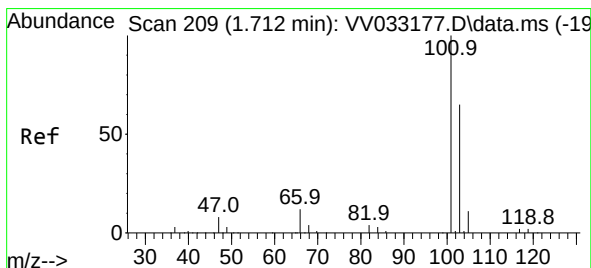
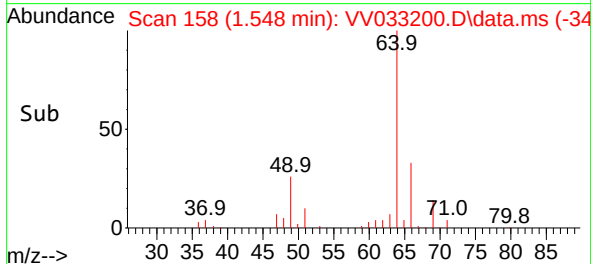
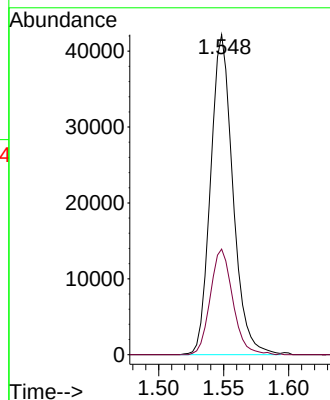
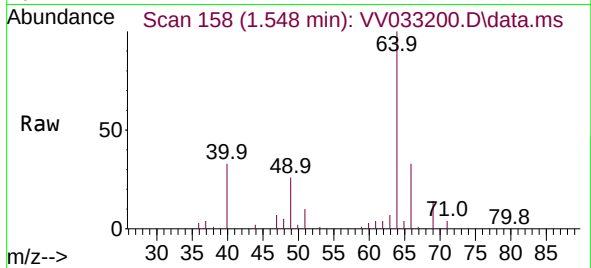




#8
Chloroethane
Concen: 48.314 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

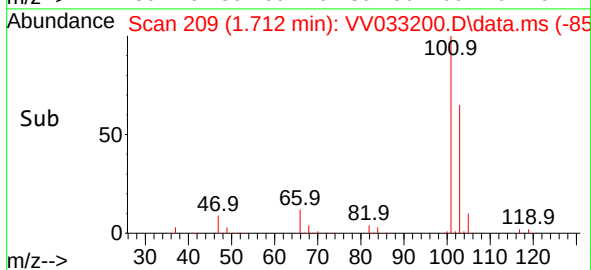
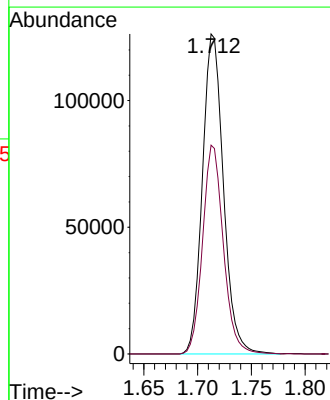
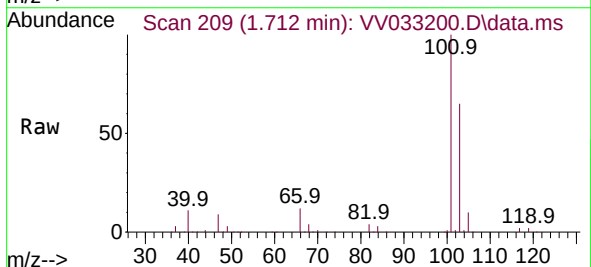
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MSVOA_V
ClientSampleId :

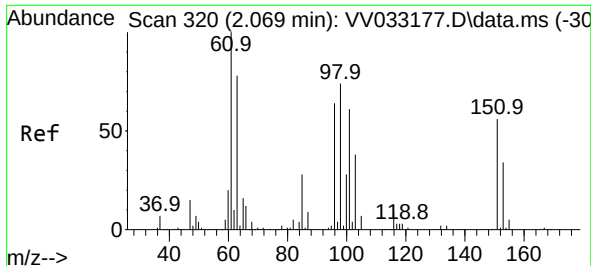
Tgt Ion: 64 Resp: 50385
Ion Ratio Lower Upper
64 100
66 33.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 53.006 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Tgt Ion:101 Resp: 171326
Ion Ratio Lower Upper
101 100
103 64.5 51.3 76.9





#10

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

Concen: 53.083 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

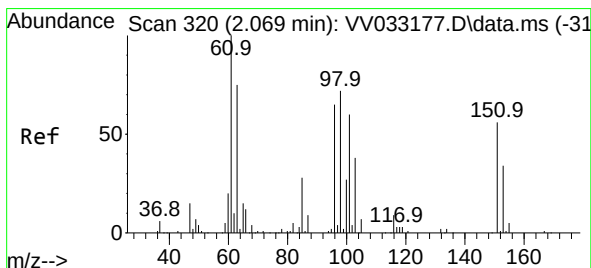
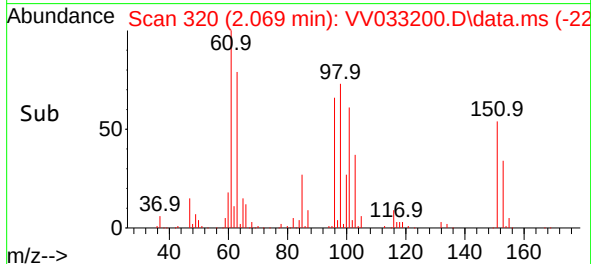
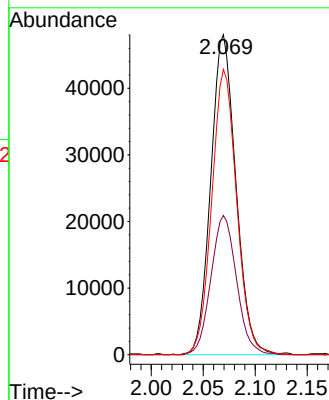
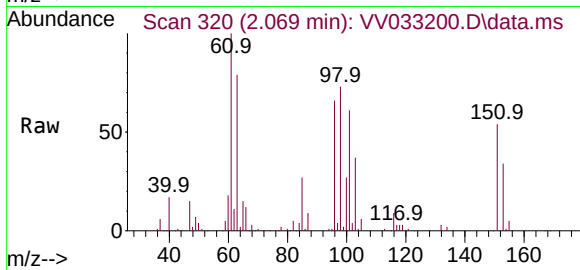
Tgt Ion:101 Resp: 80571

Ion Ratio Lower Upper

101 100

85 44.4 36.0 54.0

151 88.7 69.1 103.7



#12

1,1-Dichloroethene

Concen: 54.166 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

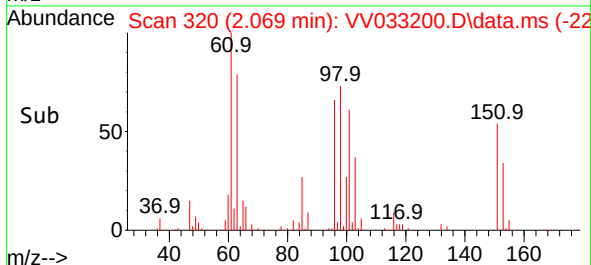
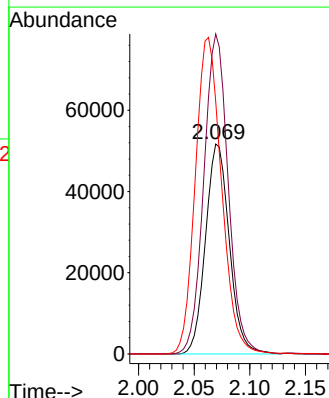
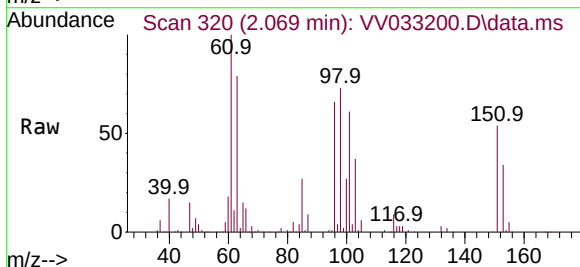
Tgt Ion: 96 Resp: 76934

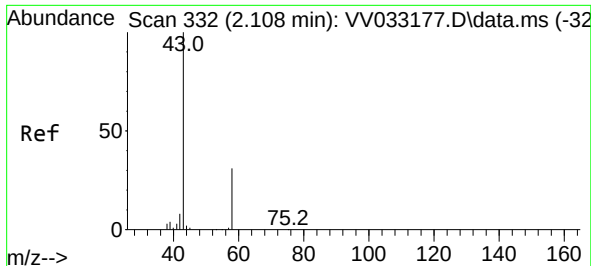
Ion Ratio Lower Upper

96 100

61 152.5 109.1 202.7

63 120.3 85.3 158.3





#13

Acetone

Concen: 80.658 ug/L

RT: 2.108 min Scan# 332

Delta R.T. 0.000 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

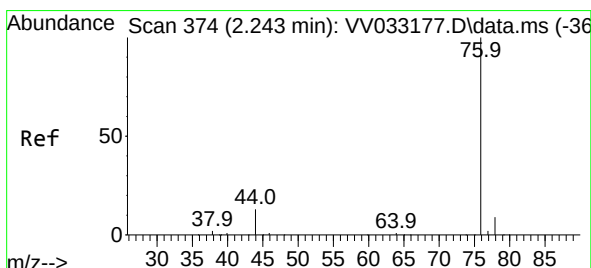
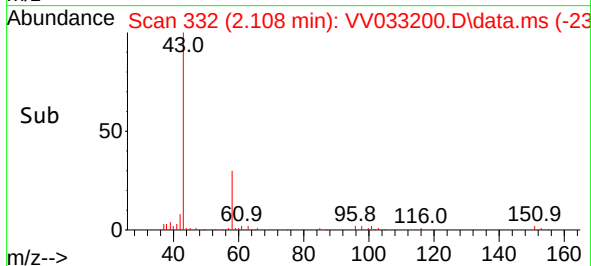
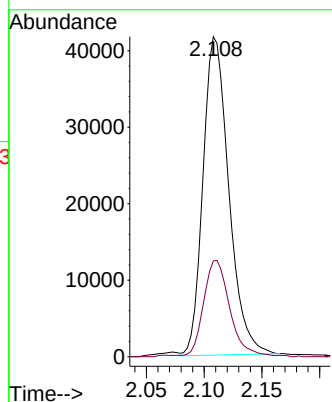
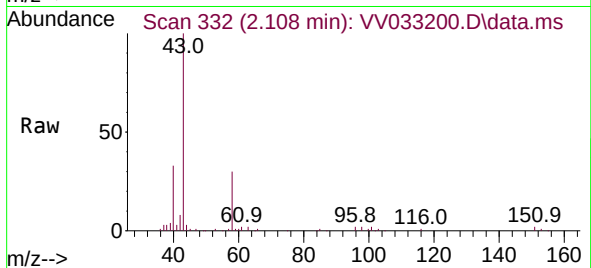
ClientSampleId :

Tgt Ion: 43 Resp: 64772

Ion Ratio Lower Upper

43 100

58 29.9 0.0 62.8



#14

Carbon disulfide

Concen: 45.080 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033200.D

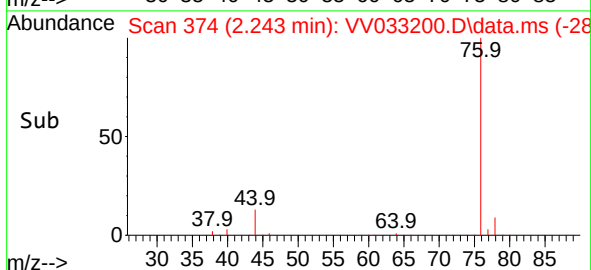
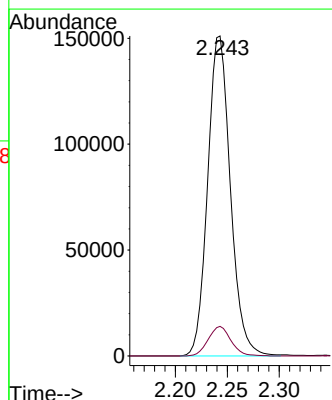
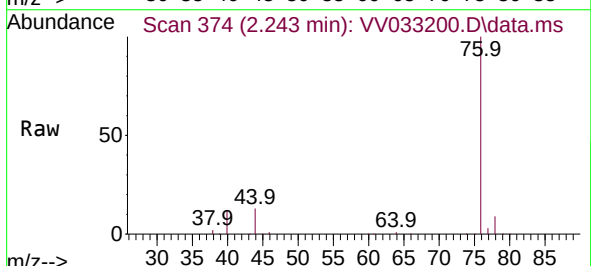
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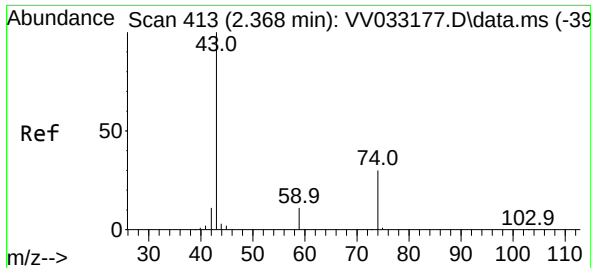
Tgt Ion: 76 Resp: 229723

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

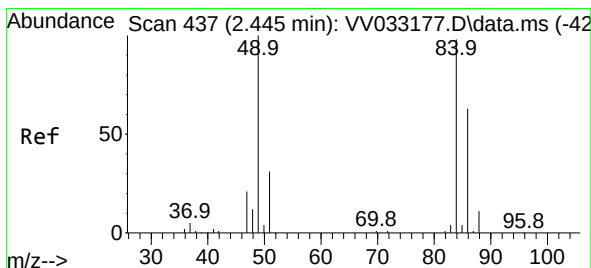
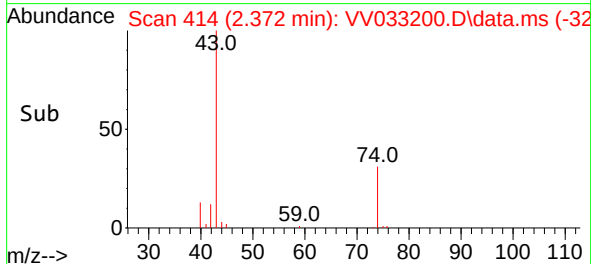
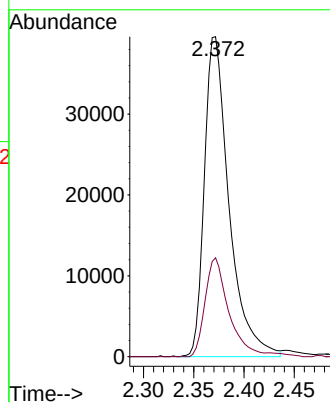
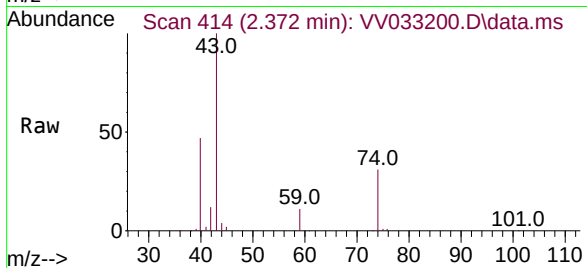




#15
Methyl Acetate
Concen: 50.503 ug/L
RT: 2.372 min Scan# 413
Delta R.T. 0.003 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

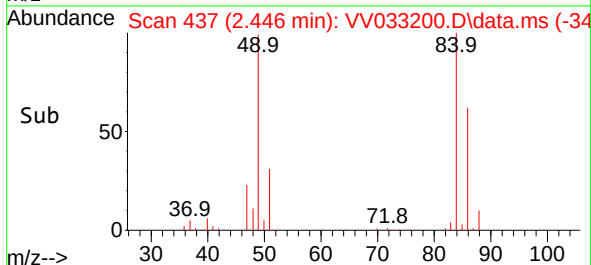
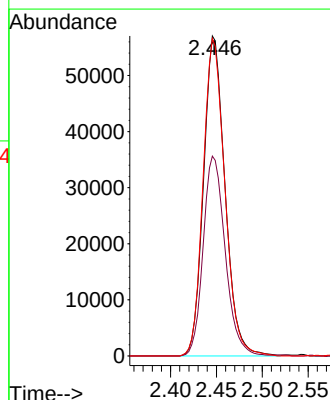
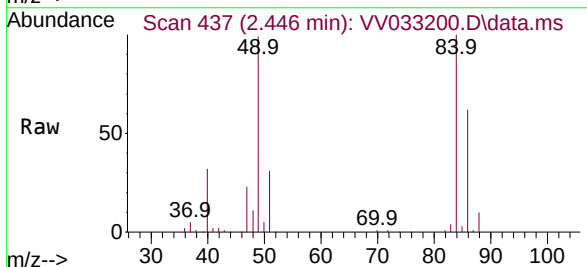
Instrument :
MSVOA_V
ClientSampleId :

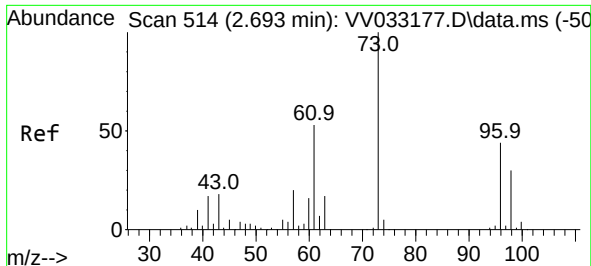
Tgt Ion: 43 Resp: 67595
Ion Ratio Lower Upper
43 100
74 29.3 22.6 33.8



#16
Methylene chloride
Concen: 49.525 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Tgt Ion: 84 Resp: 93145
Ion Ratio Lower Upper
84 100
86 62.5 45.9 85.3
49 99.2 75.5 140.1

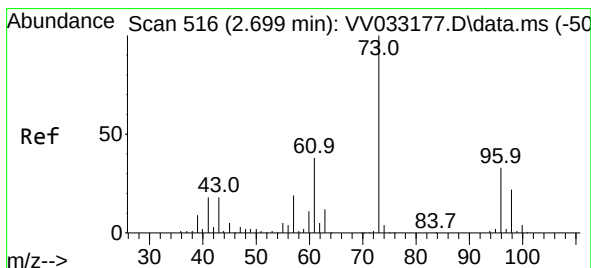
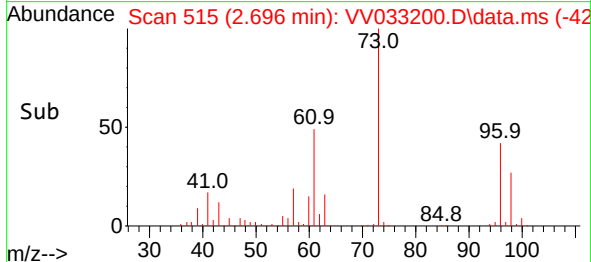
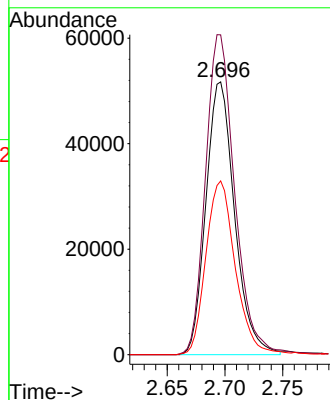
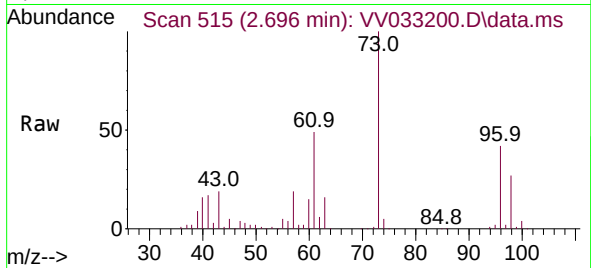




#17
trans-1,2-Dichloroethene
Concen: 47.943 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

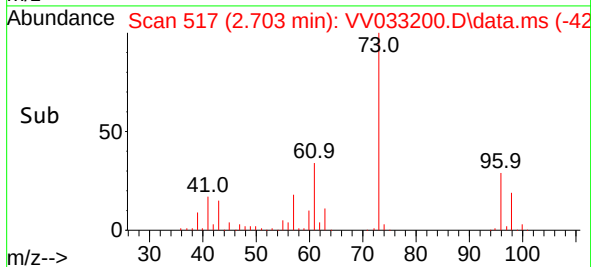
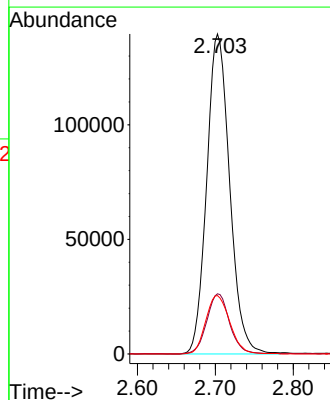
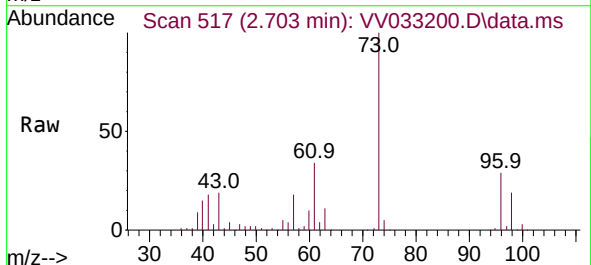
Instrument :
MSVOA_V
ClientSampleId :

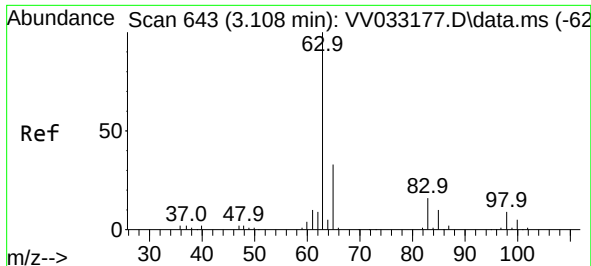
Tgt Ion: 96 Resp: 89408
Ion Ratio Lower Upper
96 100
61 117.3 86.5 160.6
98 63.7 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 50.510 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Tgt Ion: 73 Resp: 286146
Ion Ratio Lower Upper
73 100
43 18.7 15.4 23.2
57 19.1 16.1 24.1





#19

1,1-Dichloroethane

Concen: 49.140 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

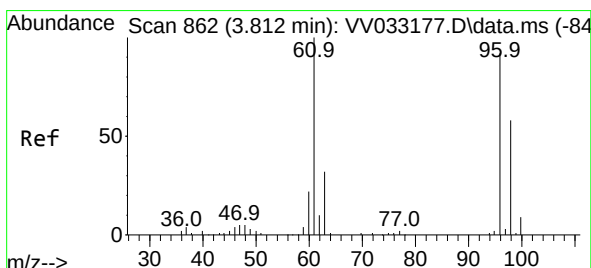
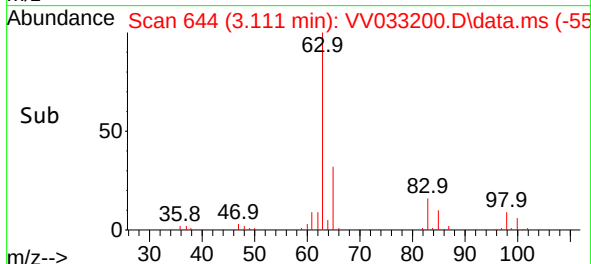
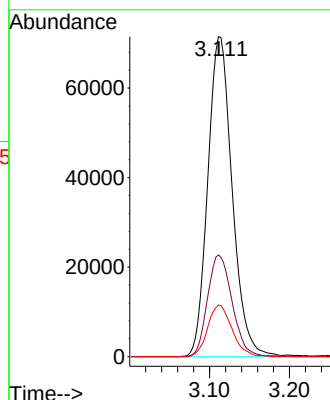
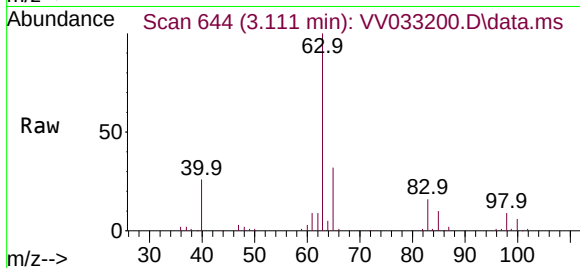
Tgt Ion: 63 Resp: 151673

Ion Ratio Lower Upper

63 100

65 31.8 23.0 42.6

83 16.1 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 50.670 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

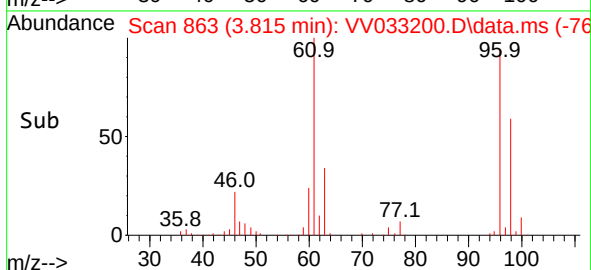
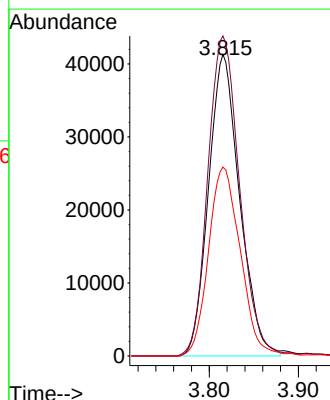
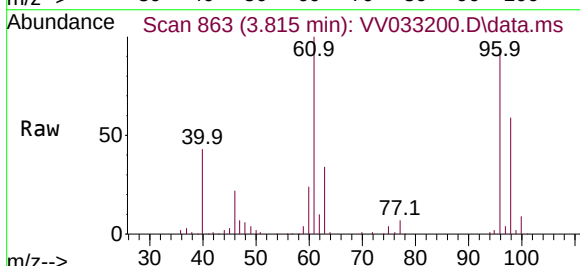
Tgt Ion: 96 Resp: 100265

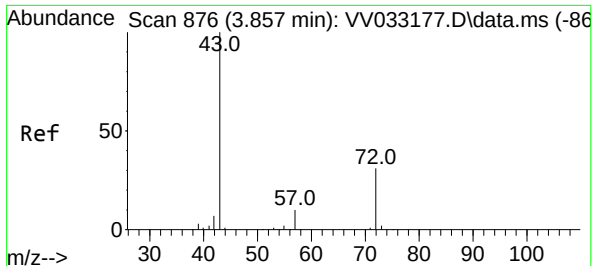
Ion Ratio Lower Upper

96 100

61 106.1 79.1 146.9

98 62.6 45.1 83.7

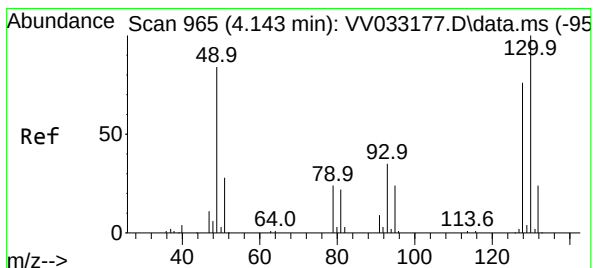
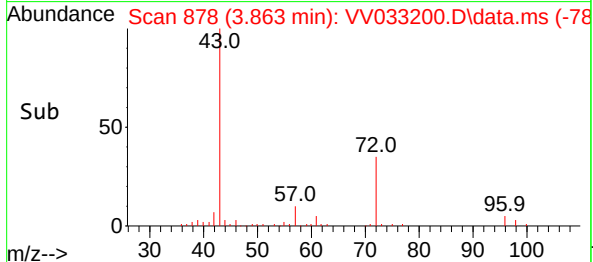
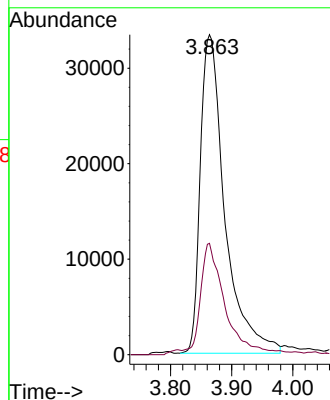
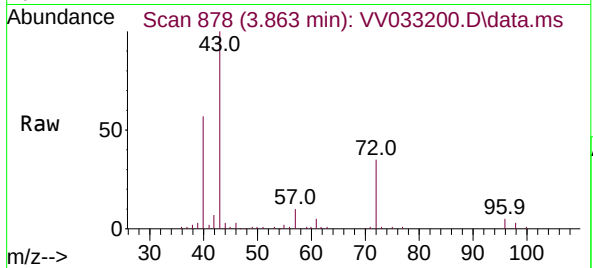




#22
2-Butanone
Concen: 90.899 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.007 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

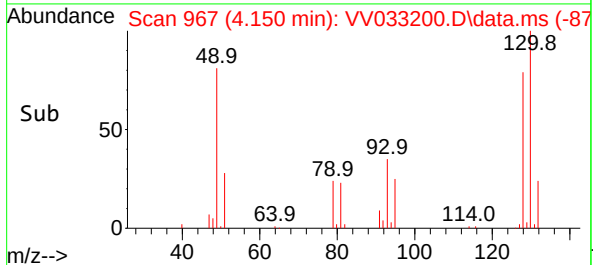
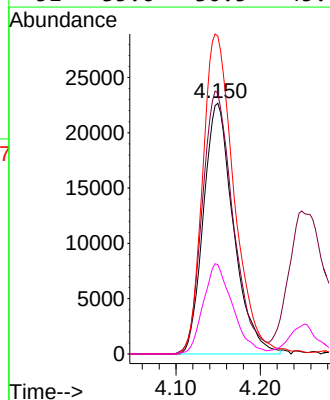
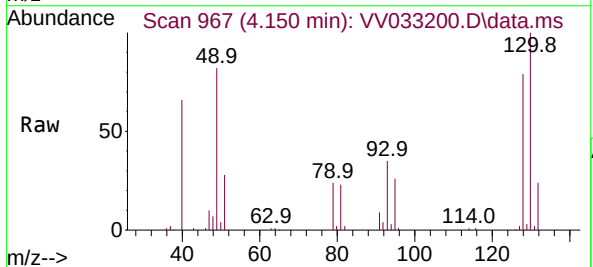
Instrument :
MSVOA_V
ClientSampleId :

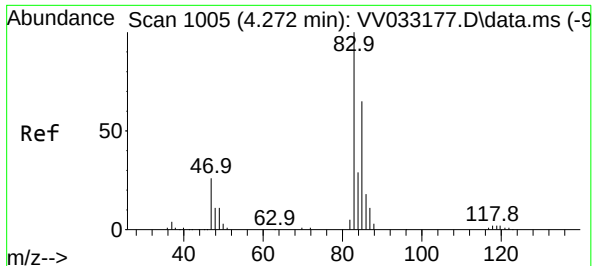
Tgt Ion: 43 Resp: 92895
Ion Ratio Lower Upper
43 100
72 31.8 14.6 43.8



#23
Bromochloromethane
Concen: 49.419 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.007 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Tgt Ion:128 Resp: 56150
Ion Ratio Lower Upper
128 100
49 104.0 81.7 151.7
130 126.8 90.1 167.3
51 35.6 30.5 45.7





#25

Chloroform

Concen: 52.044 ug/L

RT: 4.278 min Scan# 1005

Delta R.T. 0.007 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

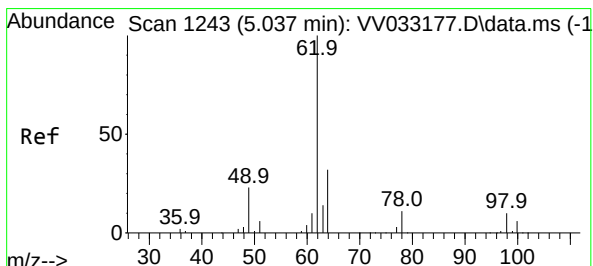
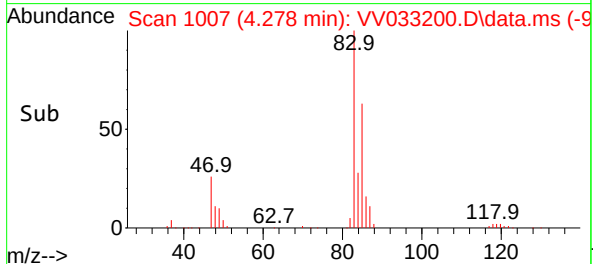
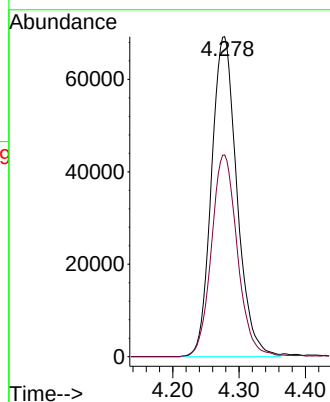
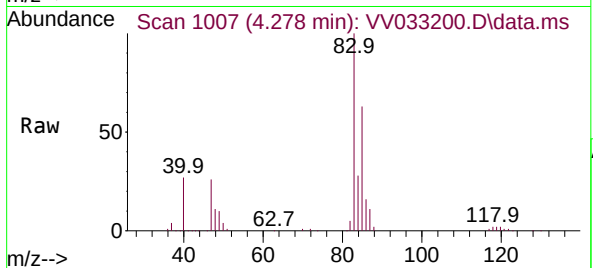
ClientSampleId :

Tgt Ion: 83 Resp: 184745

Ion Ratio Lower Upper

83 100

85 63.1 43.5 80.7



#27

1,2-Dichloroethane

Concen: 52.114 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033200.D

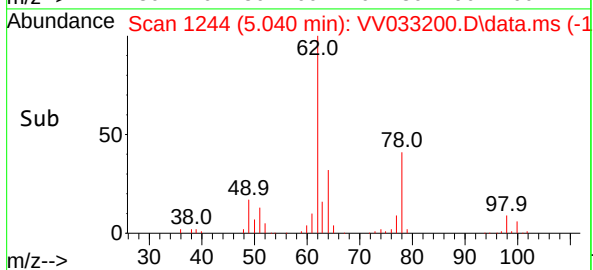
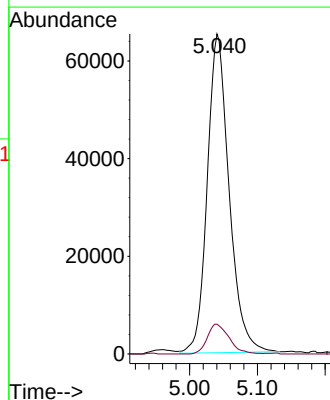
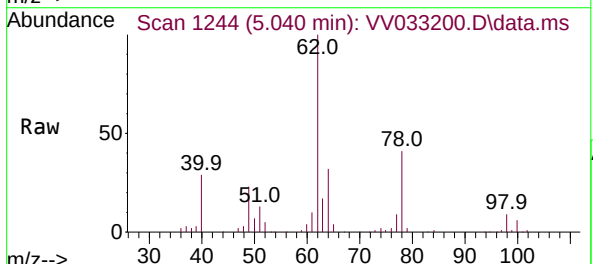
Acq: 08 Dec 2023 18:59

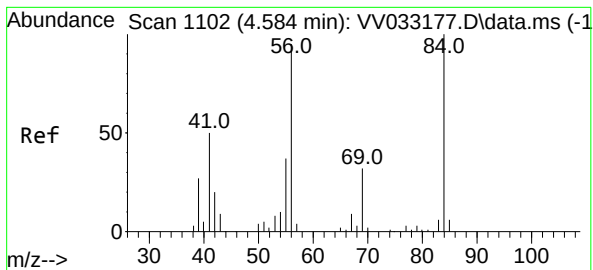
Tgt Ion: 62 Resp: 146185

Ion Ratio Lower Upper

62 100

98 9.3 7.8 11.8





#29

Cyclohexane

Concen: 45.799 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

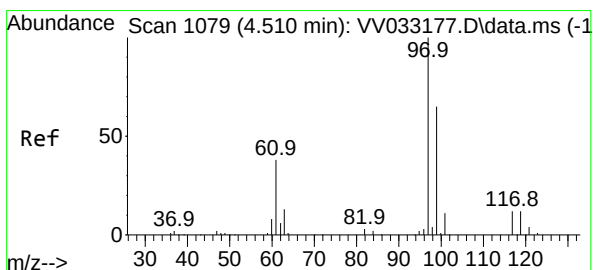
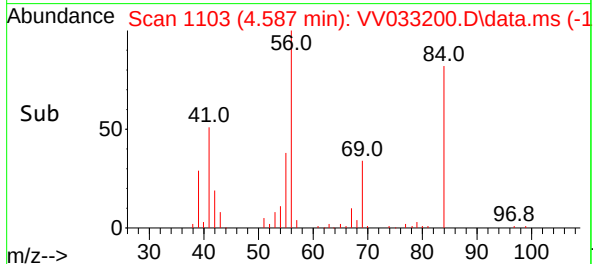
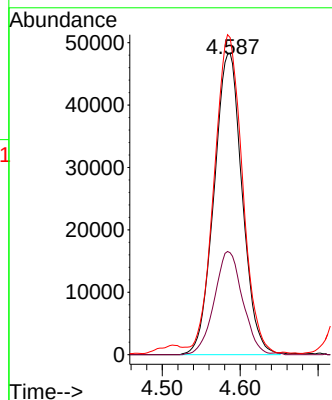
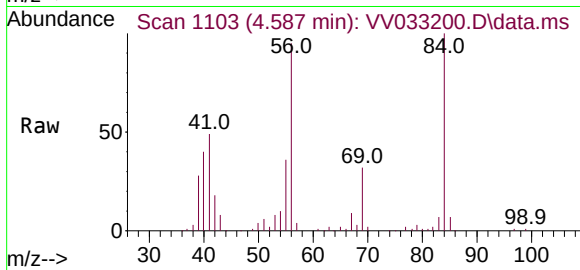
Tgt Ion: 56 Resp: 121038

Ion Ratio Lower Upper

56 100

69 34.4 26.9 40.3

84 106.2 80.6 121.0



#30

1,1,1-Trichloroethane

Concen: 51.205 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

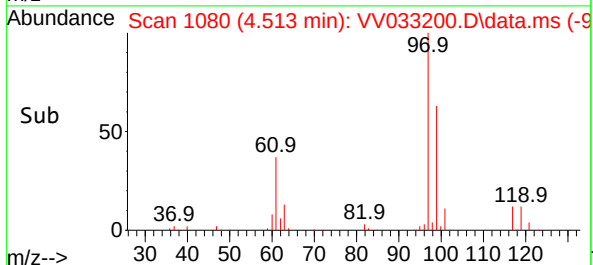
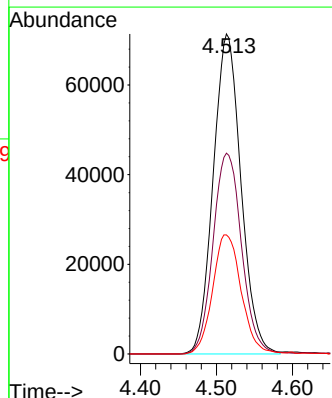
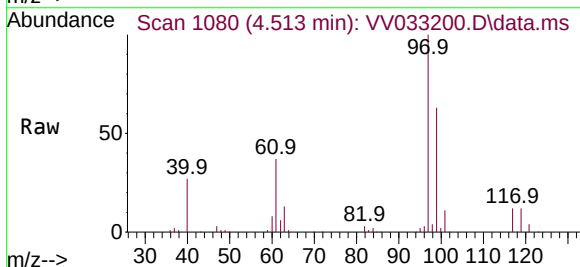
Tgt Ion: 97 Resp: 181069

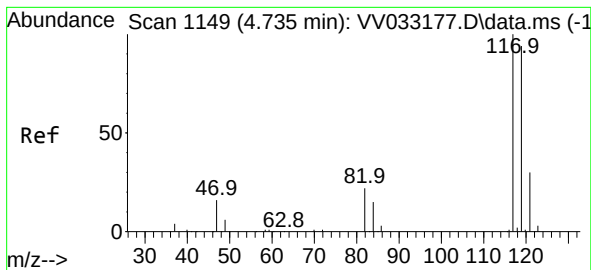
Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

61 38.3 31.8 47.8

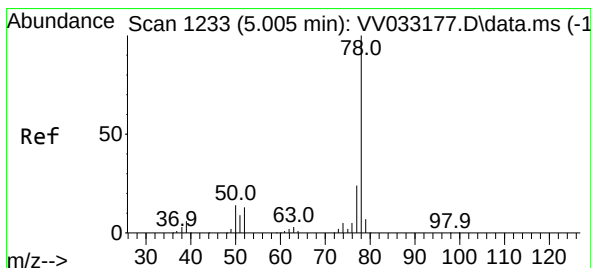
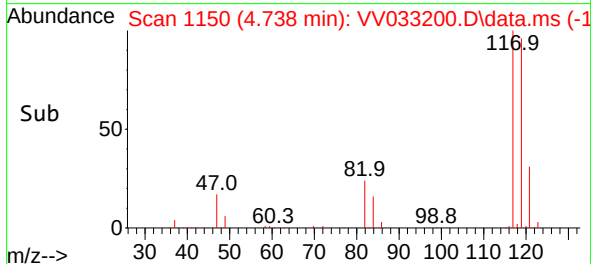
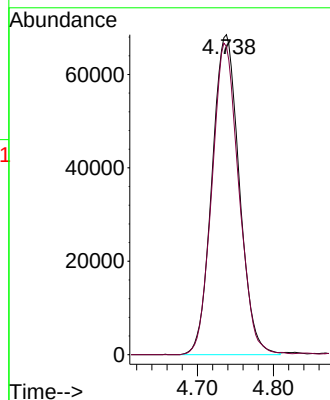
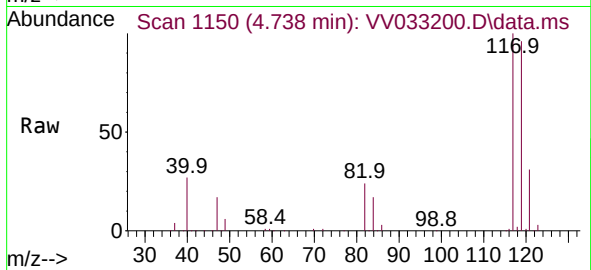




#31
Carbon tetrachloride
Concen: 51.799 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

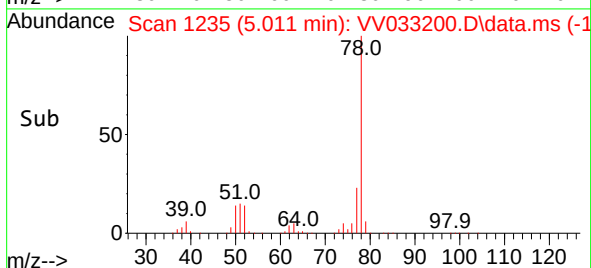
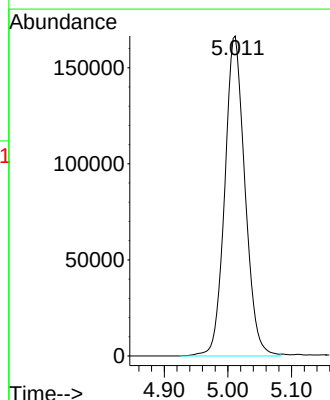
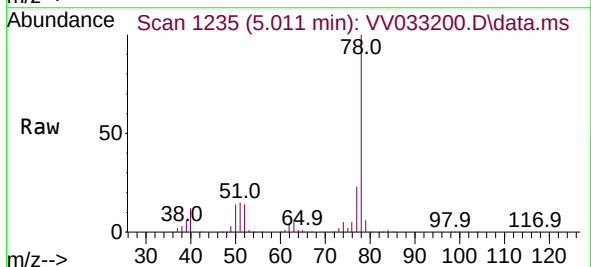
Instrument :
MSVOA_V
ClientSampleId :

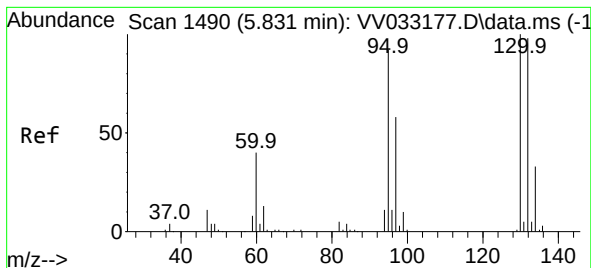
Tgt Ion:117 Resp: 170314
Ion Ratio Lower Upper
117 100
119 95.8 77.5 116.3



#33
Benzene
Concen: 50.601 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.007 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Tgt Ion: 78 Resp: 366891





#34

Trichloroethene

Concen: 48.556 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 105182

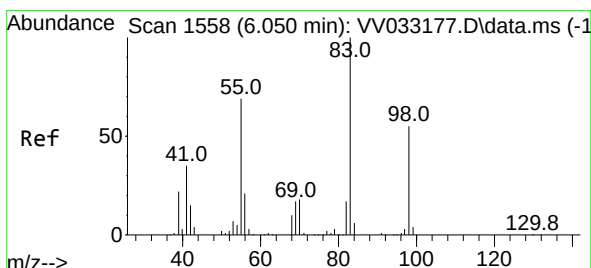
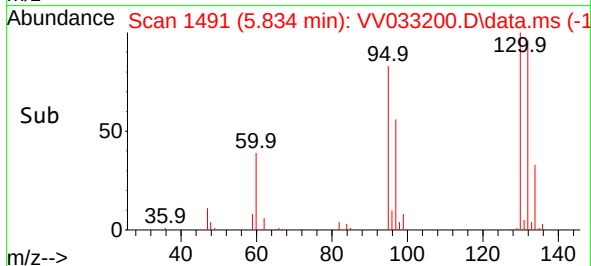
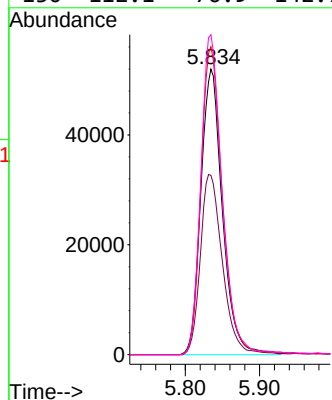
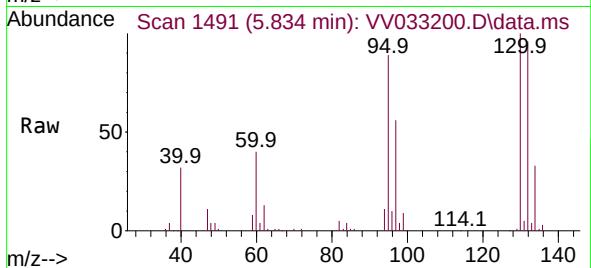
Ion Ratio Lower Upper

95 100

97 62.8 45.8 85.0

132 107.9 77.4 143.8

130 112.1 76.9 142.7



#35

Methylcyclohexane

Concen: 48.266 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

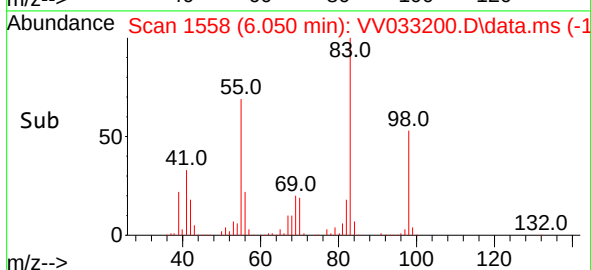
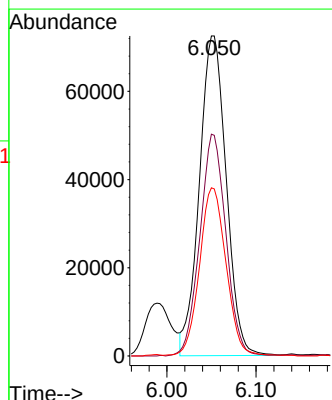
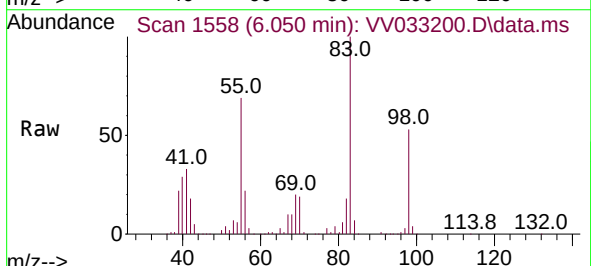
Tgt Ion: 83 Resp: 151742

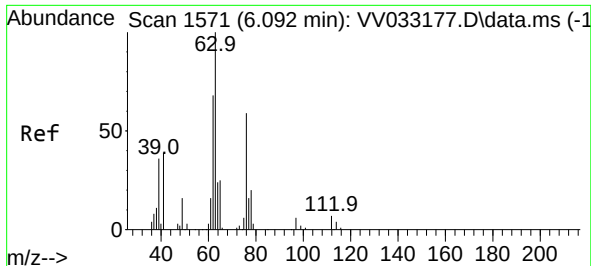
Ion Ratio Lower Upper

83 100

55 67.3 54.8 82.2

98 51.7 41.4 62.0





#37

1,2-Dichloropropane

Concen: 49.423 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

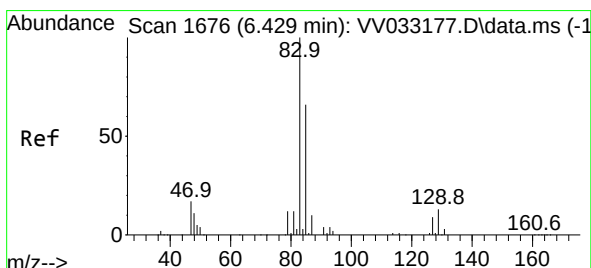
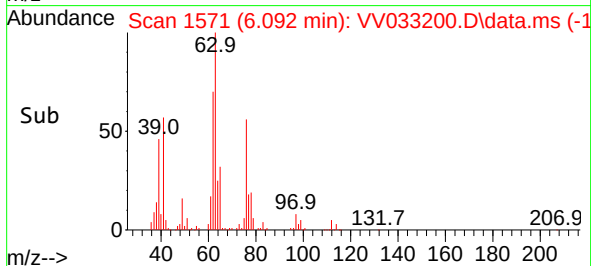
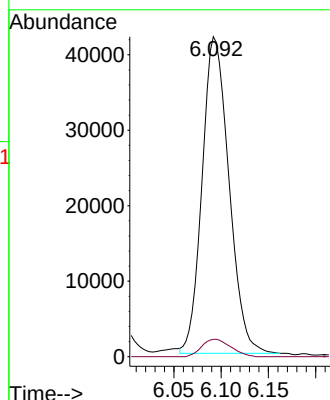
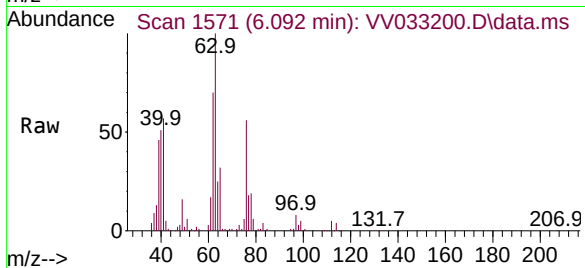
ClientSampleId :

Tgt Ion: 63 Resp: 82935

Ion Ratio Lower Upper

63 100

112 5.9 4.6 6.8



#38

Bromodichloromethane

Concen: 51.289 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

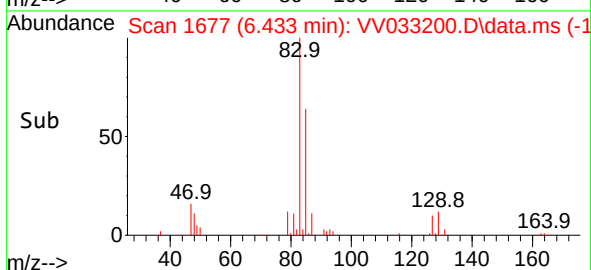
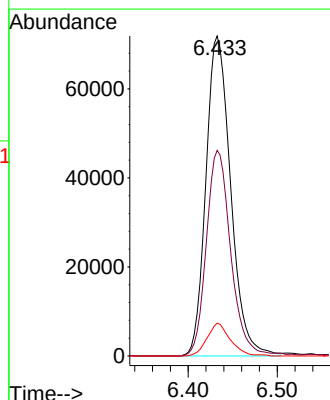
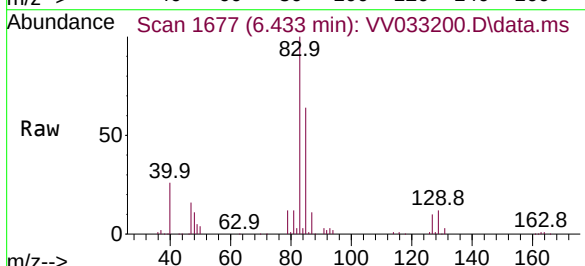
Tgt Ion: 83 Resp: 138750

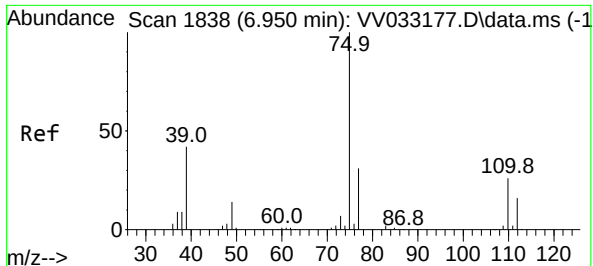
Ion Ratio Lower Upper

83 100

85 64.3 45.6 84.6

127 10.3 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 49.967 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

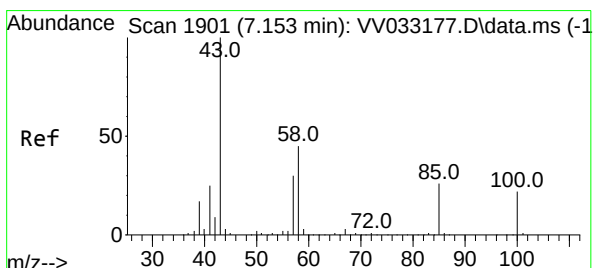
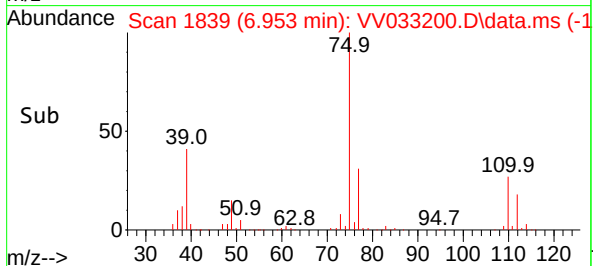
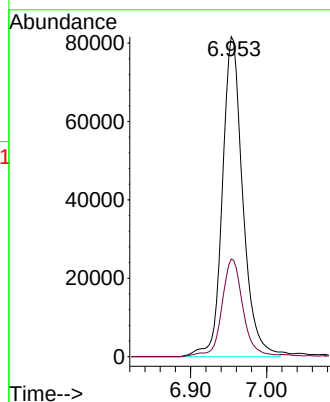
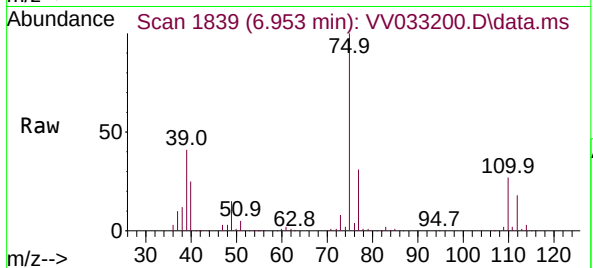
ClientSampleId :

Tgt Ion: 75 Resp: 152147

Ion Ratio Lower Upper

75 100

77 30.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 106.681 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

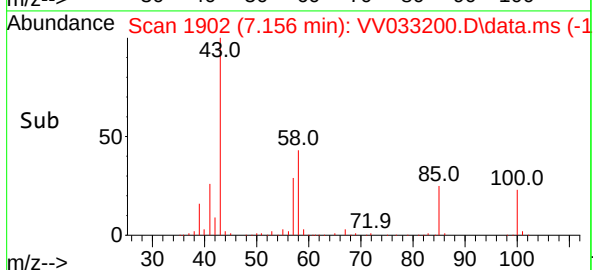
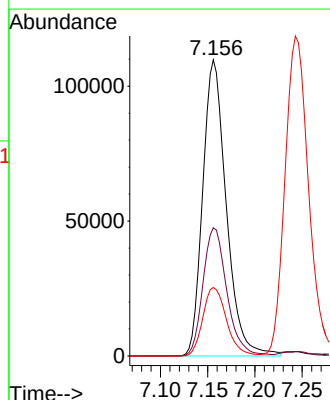
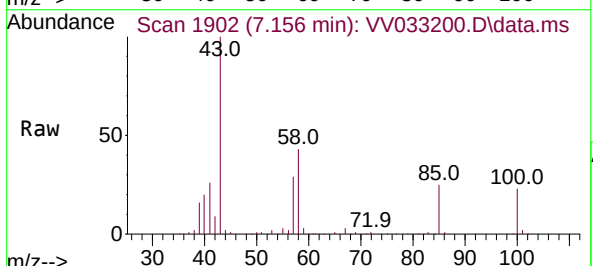
Tgt Ion: 43 Resp: 190072

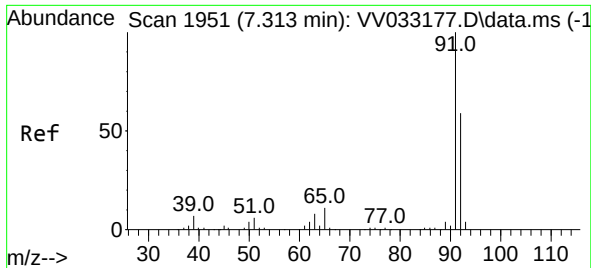
Ion Ratio Lower Upper

43 100

58 43.9 34.5 51.7

100 23.2 17.0 25.6





#42

Toluene

Concen: 52.543 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

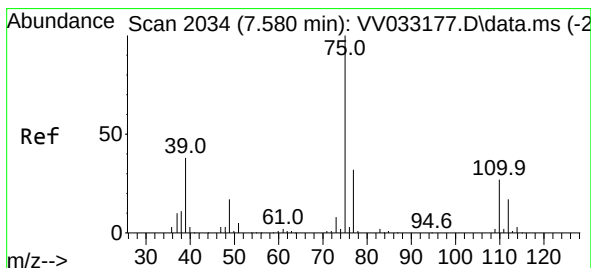
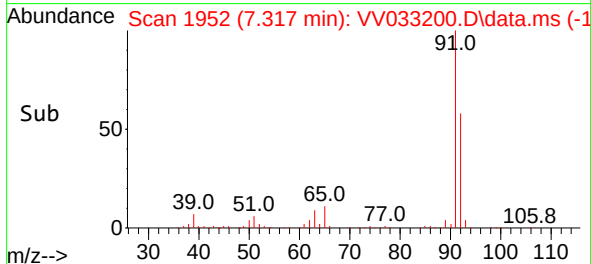
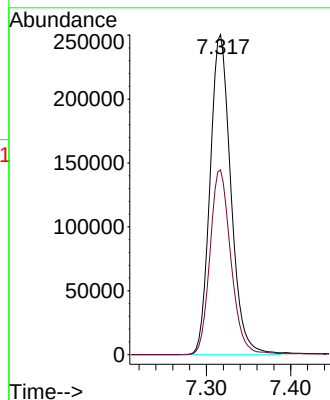
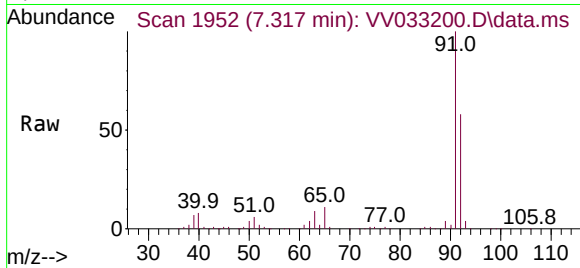
ClientSampleId :

Tgt Ion: 91 Resp: 429306

Ion Ratio Lower Upper

91 100

92 57.8 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 50.273 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033200.D

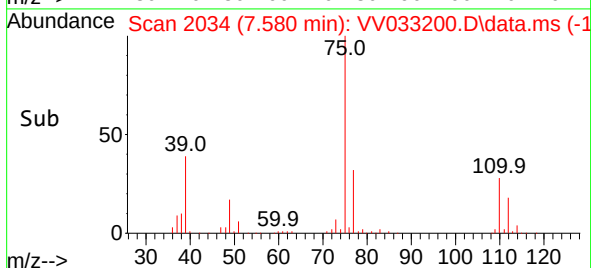
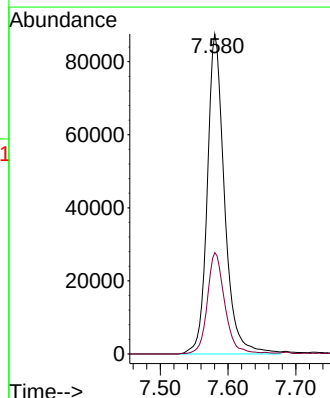
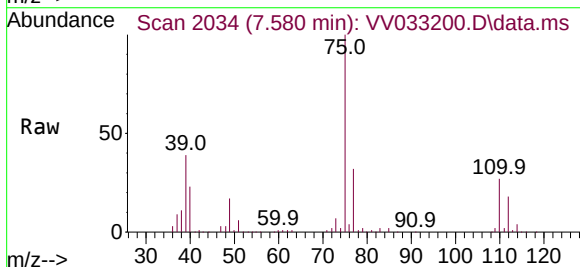
Acq: 08 Dec 2023 18:59

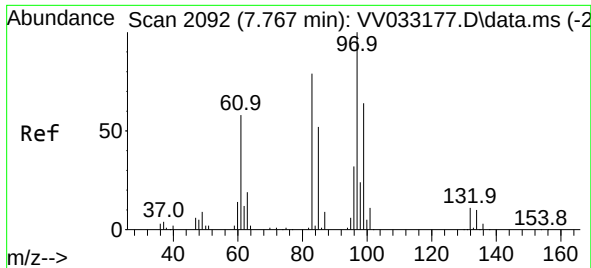
Tgt Ion: 75 Resp: 154791

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0



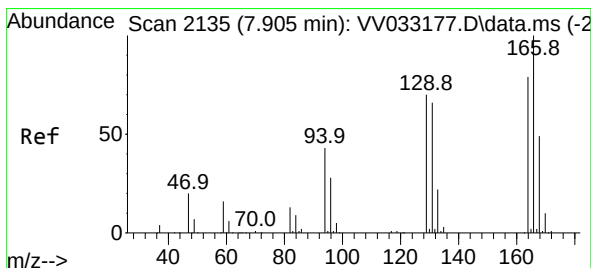
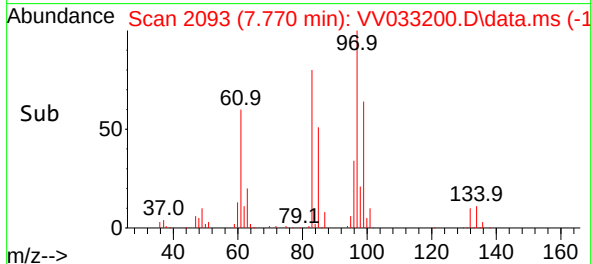
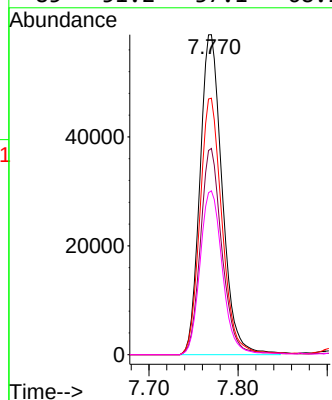
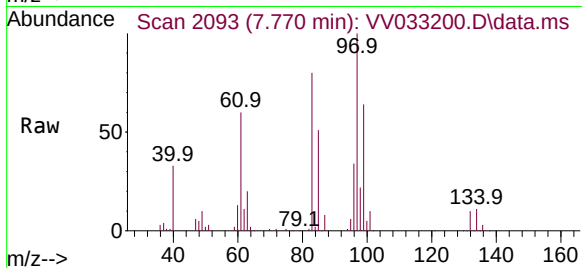


#45
1,1,2-Trichloroethane
Concen: 52.450 ug/L
RT: 7.770 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 102050

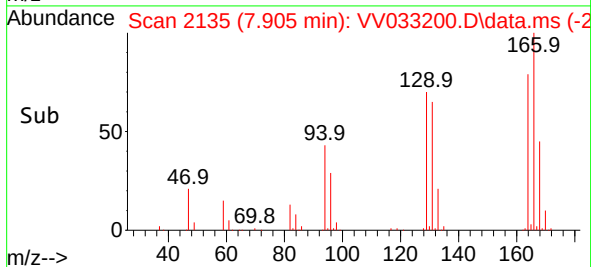
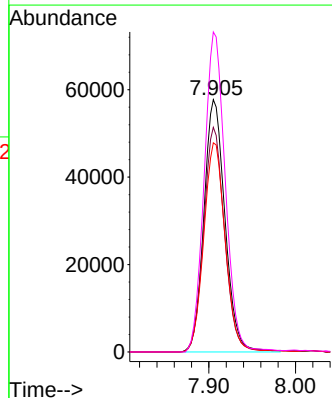
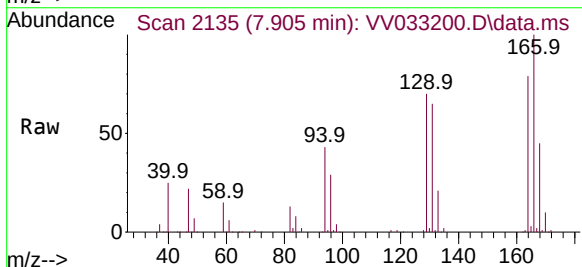
Ion	Ratio	Lower	Upper
97	100		
99	64.5	43.2	80.2
83	80.1	55.8	103.6
85	51.2	37.1	68.9

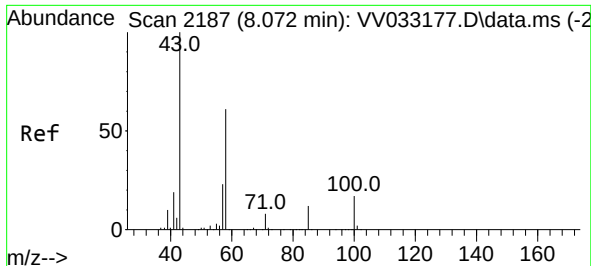


#46
Tetrachloroethene
Concen: 52.500 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Tgt Ion: 164 Resp: 97762

Ion	Ratio	Lower	Upper
164	100		
129	89.1	65.6	121.8
131	82.9	64.7	120.1
166	126.8	89.4	166.0



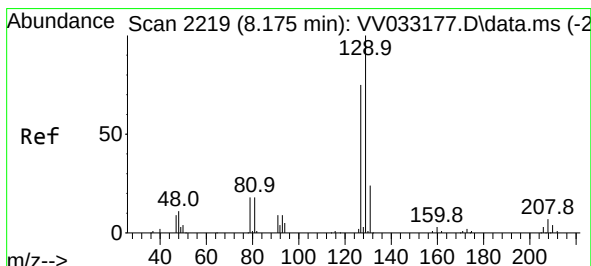
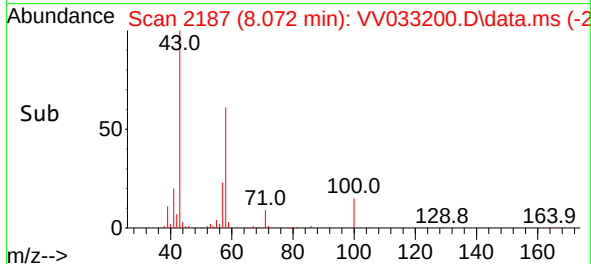
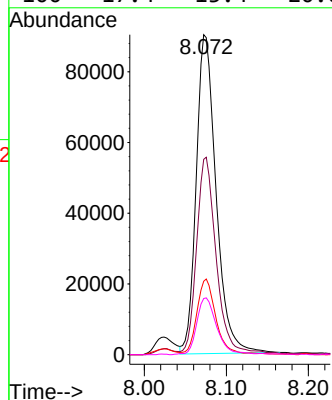
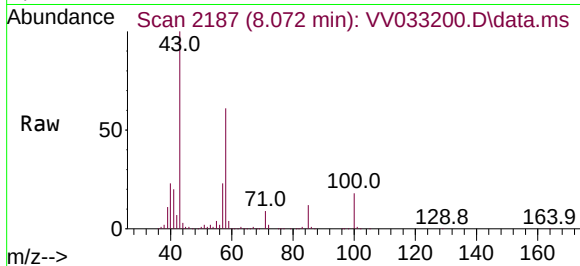


#48
2-Hexanone
Concen: 102.952 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 152080

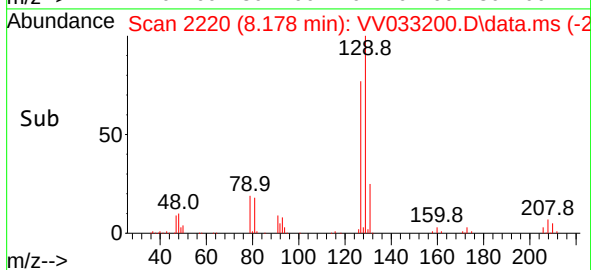
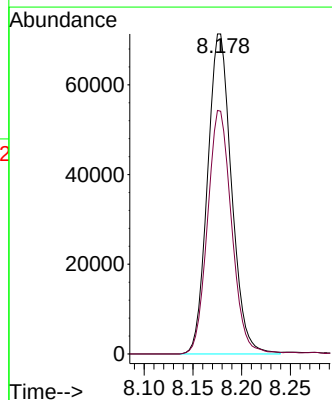
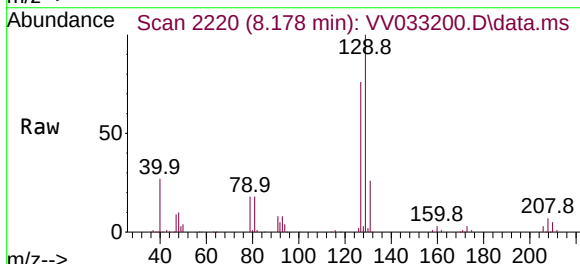
Ion	Ratio	Lower	Upper
43	100		
58	59.7	47.9	71.9
57	21.5	17.4	26.0
100	17.4	13.4	20.0

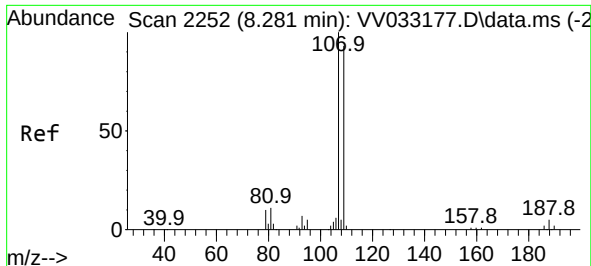


#49
Dibromochloromethane
Concen: 52.666 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Tgt Ion: 129 Resp: 122325

Ion	Ratio	Lower	Upper
129	100		
127	75.8	54.1	100.5





#50

1,2-Dibromoethane

Concen: 51.941 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

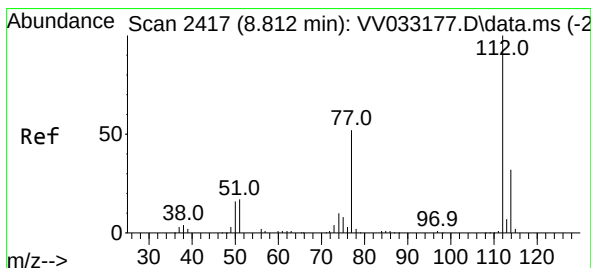
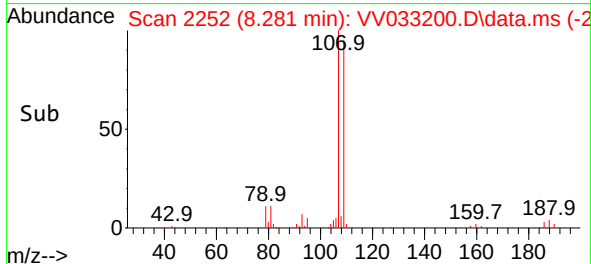
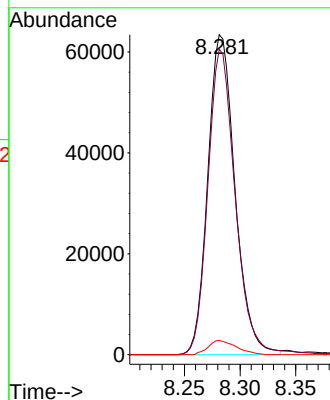
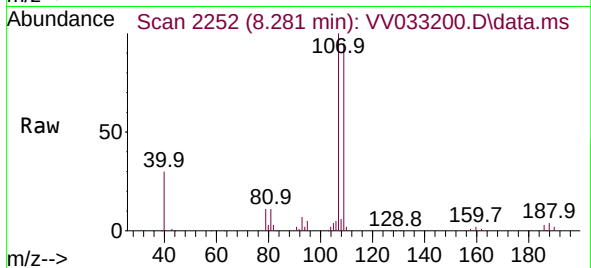
Tgt Ion:107 Resp: 107743

Ion Ratio Lower Upper

107 100

109 95.5 65.2 121.2

188 4.4 3.8 5.6



#51

Chlorobenzene

Concen: 50.279 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

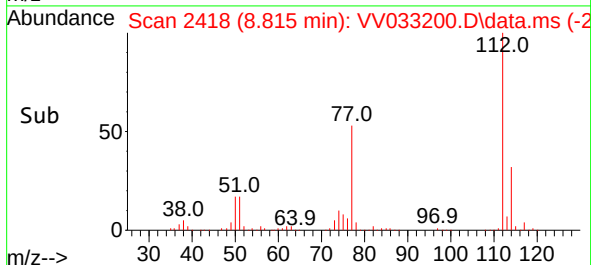
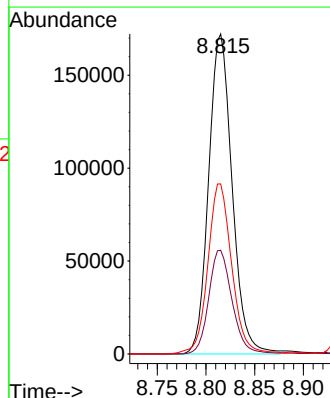
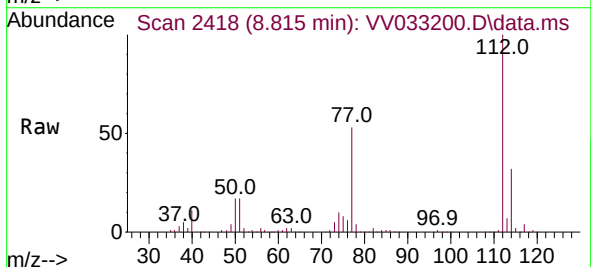
Tgt Ion:112 Resp: 288888

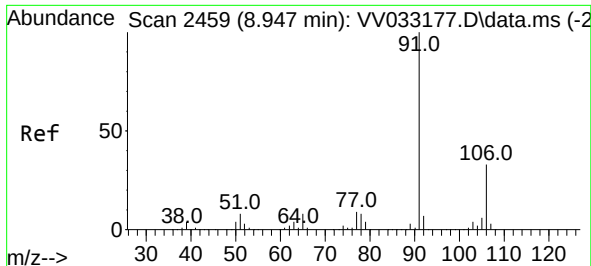
Ion Ratio Lower Upper

112 100

114 32.4 22.9 42.5

77 53.1 42.6 64.0

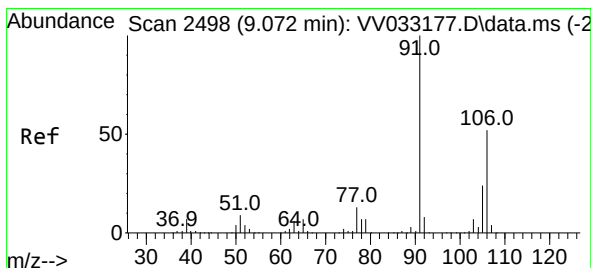
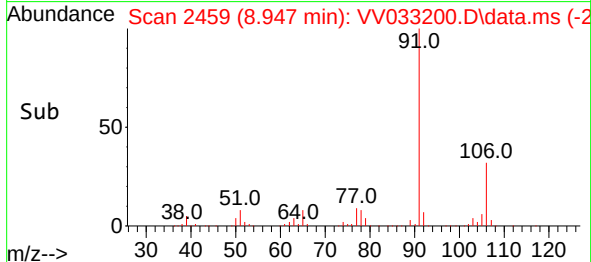
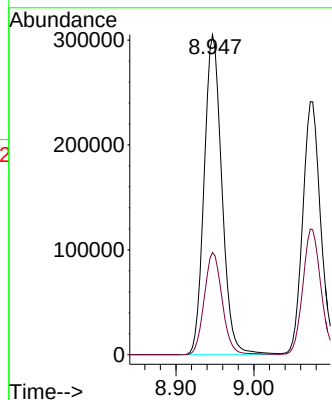
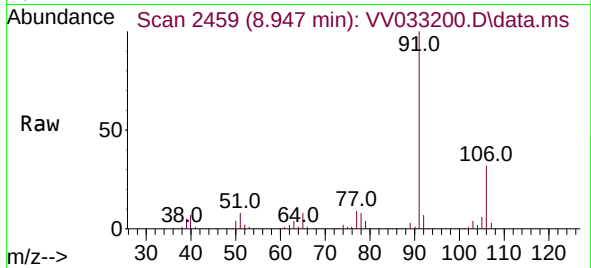




#52
Ethylbenzene
Concen: 51.287 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

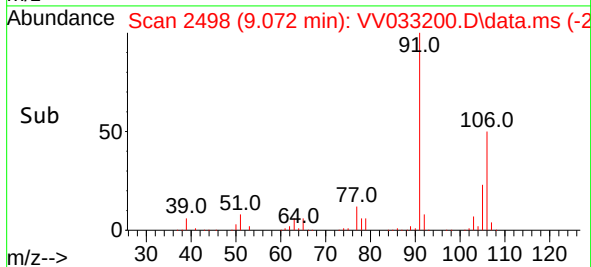
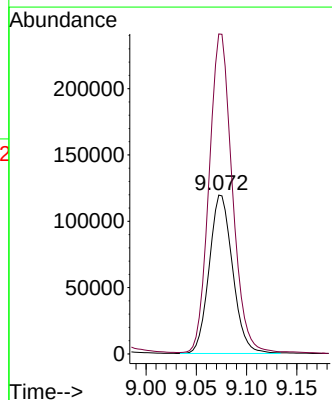
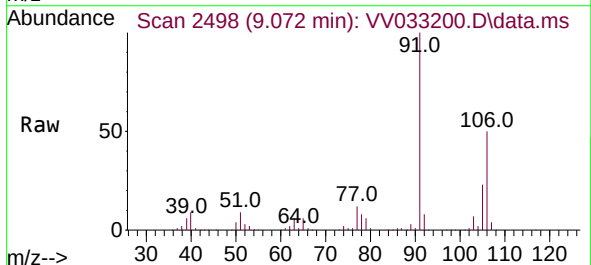
Instrument :
MSVOA_V
ClientSampleId :

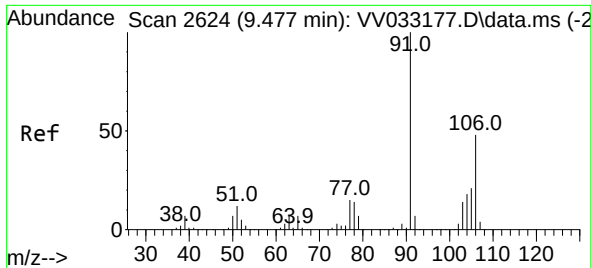
Tgt Ion: 91 Resp: 482338
Ion Ratio Lower Upper
91 100
106 32.0 22.6 42.0



#53
m,p-Xylene
Concen: 51.914 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Tgt Ion: 106 Resp: 193347
Ion Ratio Lower Upper
106 100
91 201.3 145.2 269.6

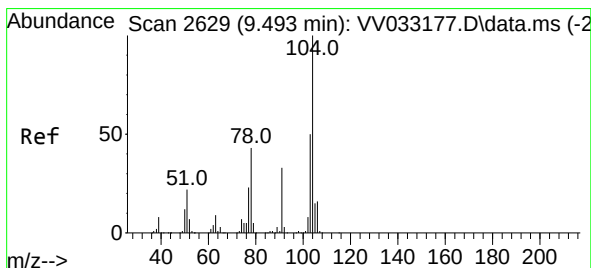
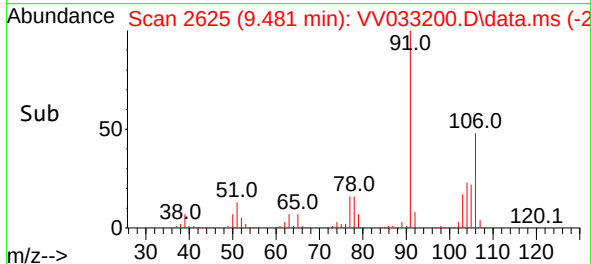
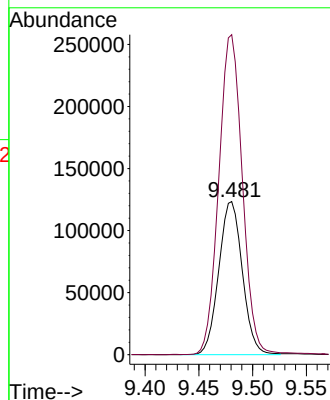
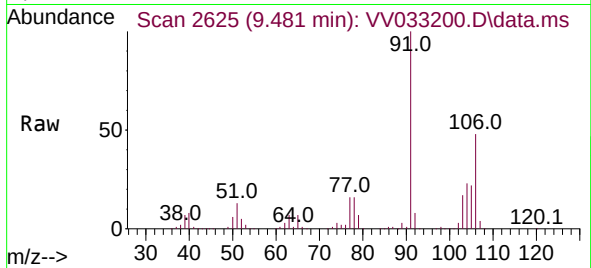




#54
o-Xylene
Concen: 51.268 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

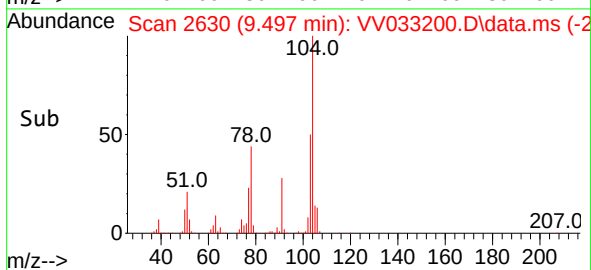
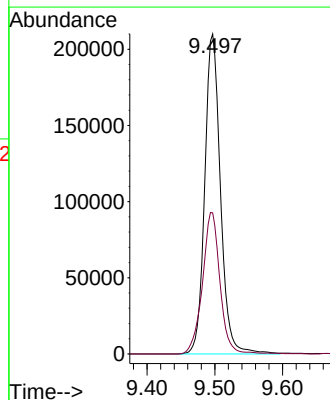
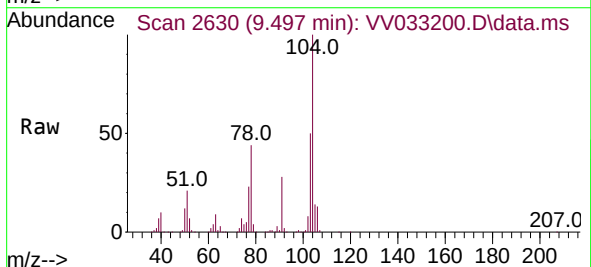
Instrument :
MSVOA_V
ClientSampleId :

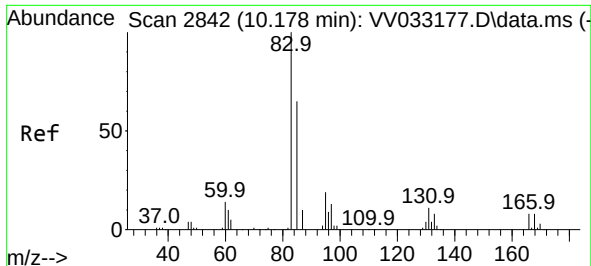
Tgt Ion:106 Resp: 188416
Ion Ratio Lower Upper
106 100
91 209.1 147.8 274.6



#55
Styrene
Concen: 53.409 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Tgt Ion:104 Resp: 339559
Ion Ratio Lower Upper
104 100
78 44.1 30.2 56.0





#57

1,1,2,2-Tetrachloroethane

Concen: 54.079 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

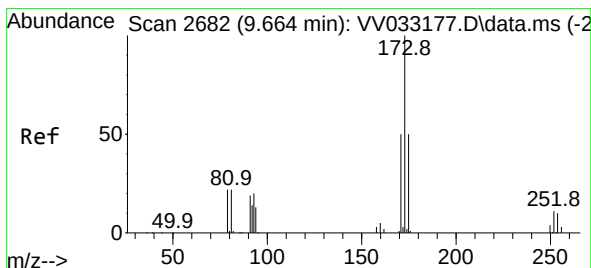
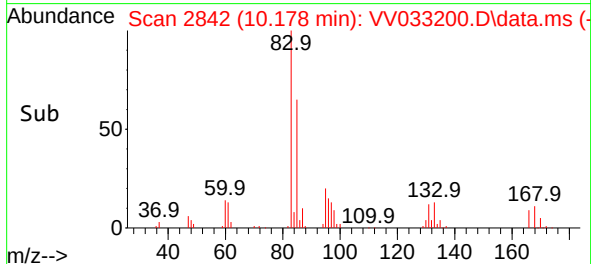
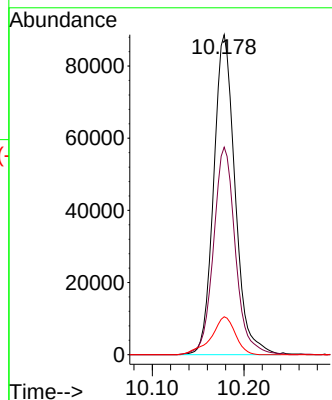
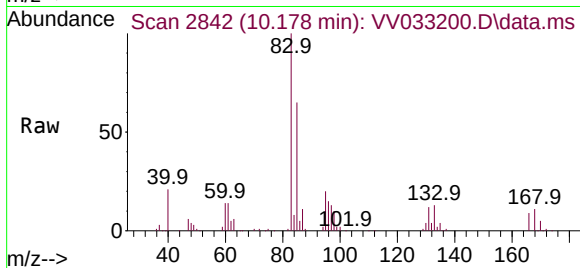
Tgt Ion: 83 Resp: 143757

Ion Ratio Lower Upper

83 100

85 64.9 45.5 84.5

131 11.9 9.7 14.5



#59

Bromoform

Concen: 53.092 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.003 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

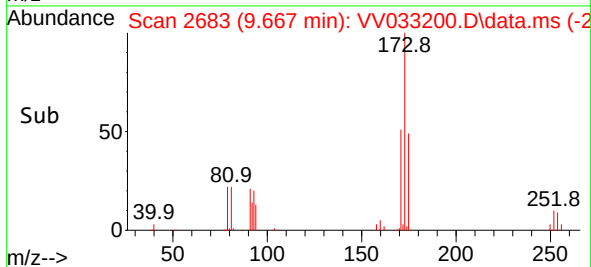
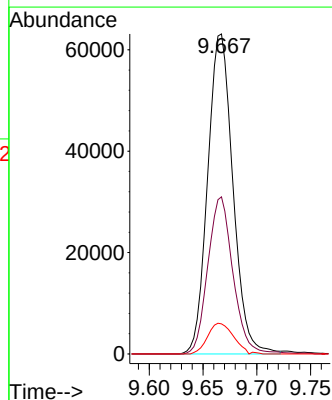
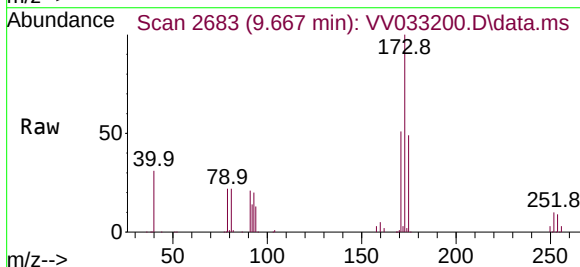
Tgt Ion:173 Resp: 102990

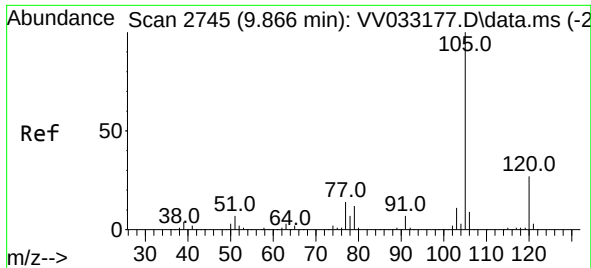
Ion Ratio Lower Upper

173 100

175 48.9 38.7 58.1

254 9.7 8.0 12.0

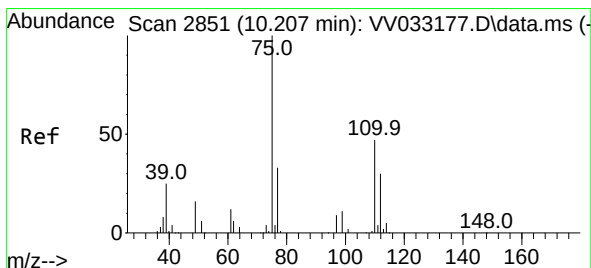
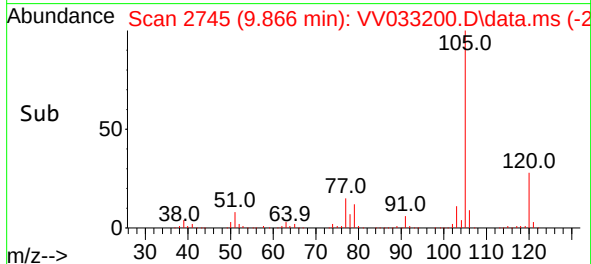
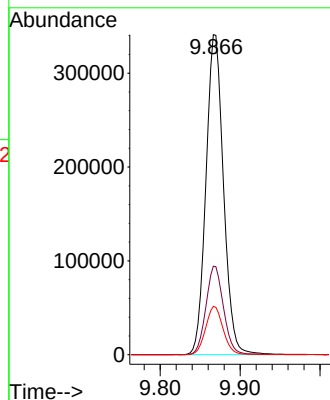
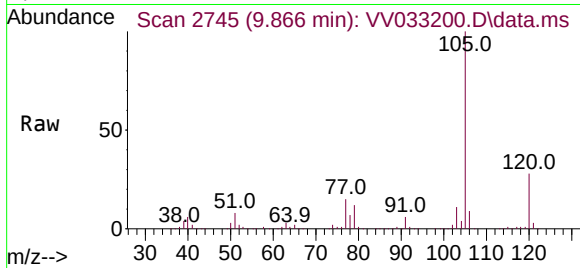




#60
Isopropylbenzene
Concen: 50.588 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

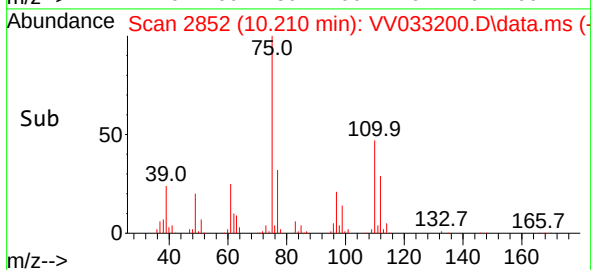
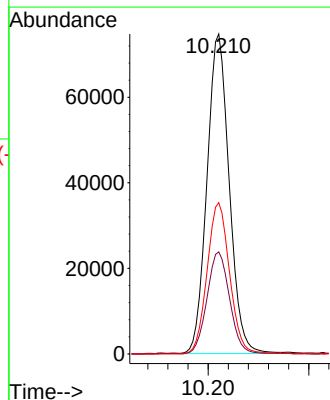
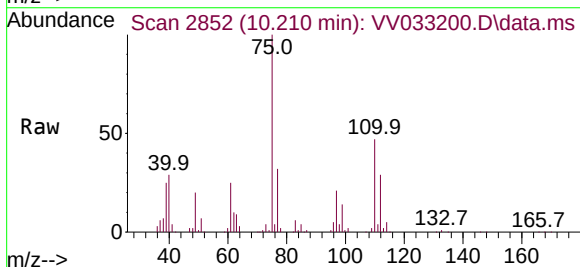
Instrument :
MSVOA_V
ClientSampleId :

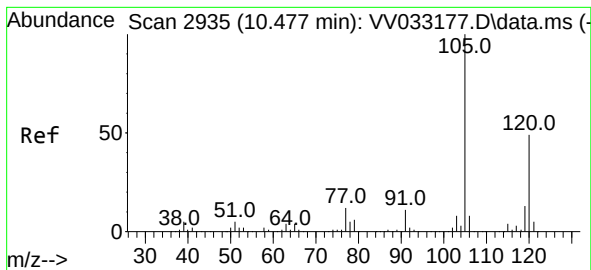
Tgt Ion:105 Resp: 521343
Ion Ratio Lower Upper
105 100
120 27.6 21.3 31.9
77 15.1 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 51.486 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Tgt Ion: 75 Resp: 114746
Ion Ratio Lower Upper
75 100
77 32.1 27.0 40.6
110 48.0 38.1 57.1





#62

1,3,5-Trimethylbenzene

Concen: 50.587 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

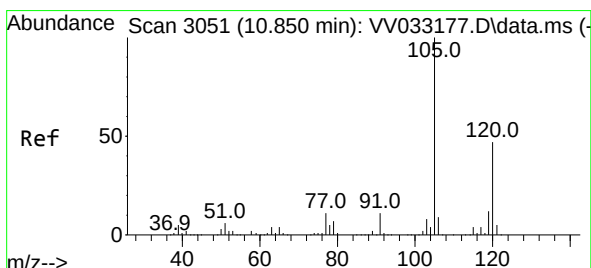
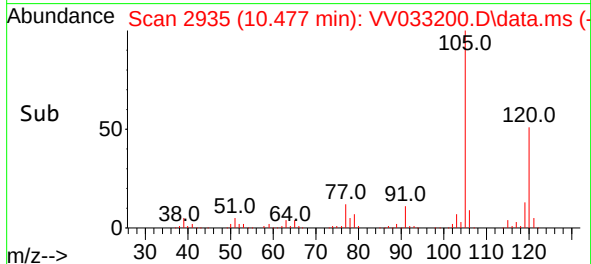
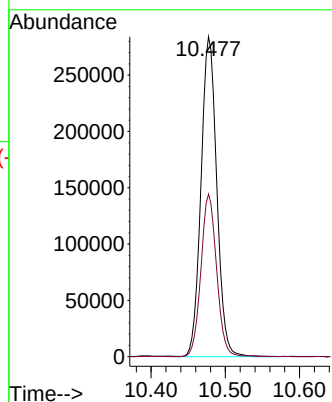
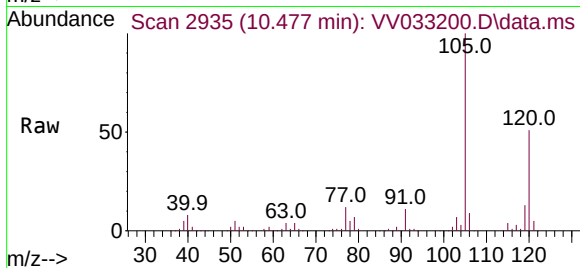
ClientSampleId :

Tgt Ion:105 Resp: 420033

Ion Ratio Lower Upper

105 100

120 50.4 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 51.111 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033200.D

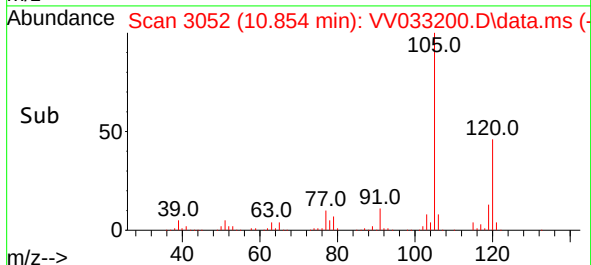
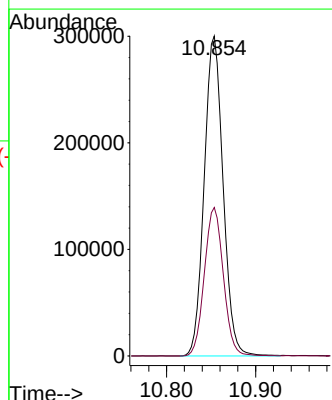
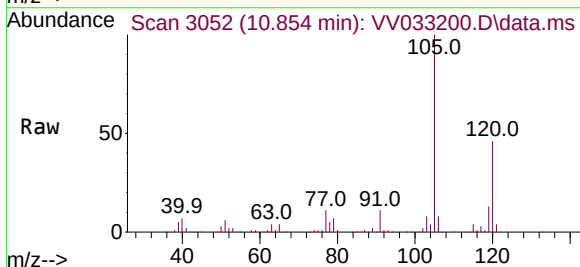
Acq: 08 Dec 2023 18:59

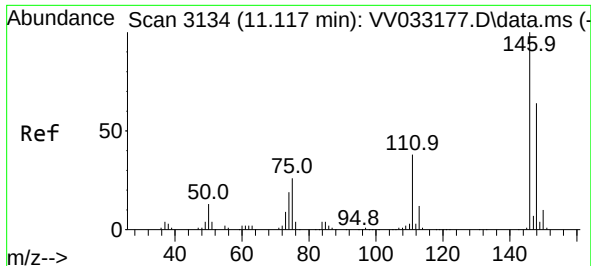
Tgt Ion:105 Resp: 441967

Ion Ratio Lower Upper

105 100

120 46.7 36.7 55.1

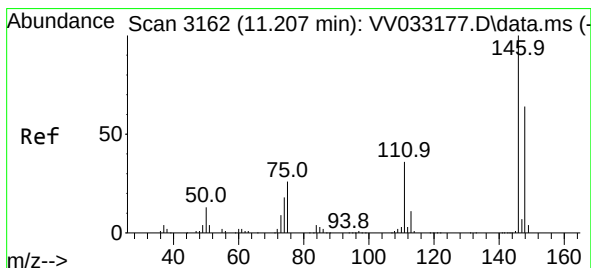
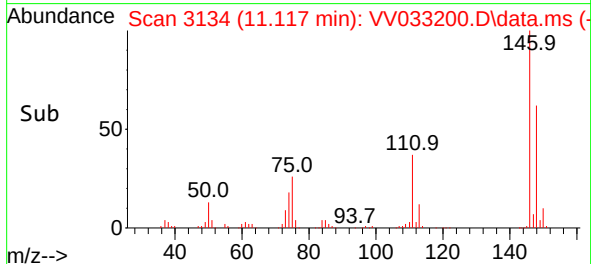
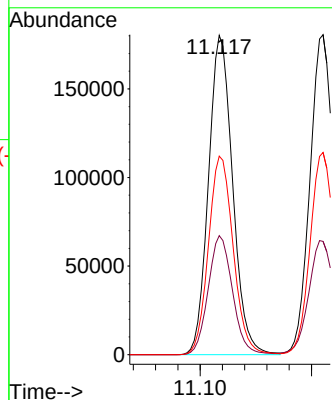
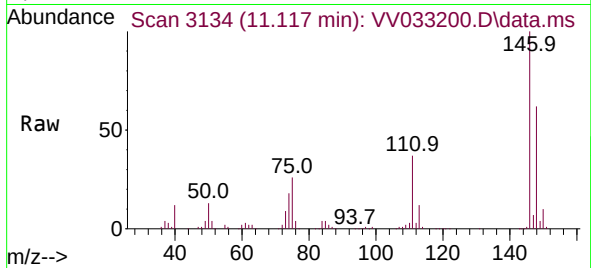




#64
1,3-Dichlorobenzene
Concen: 49.358 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

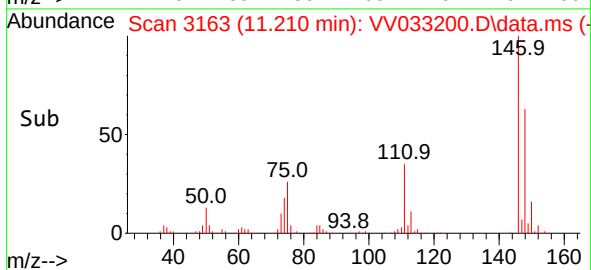
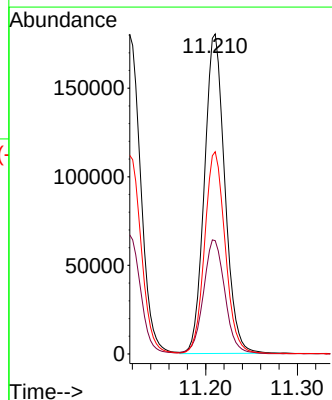
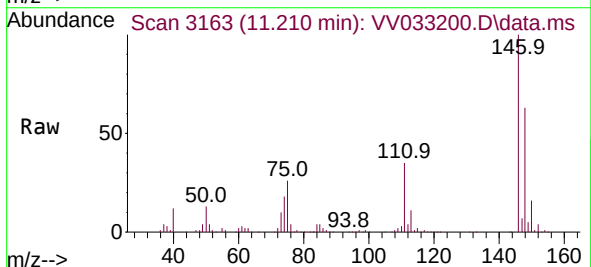
Instrument :
MSVOA_V
ClientSampleId :

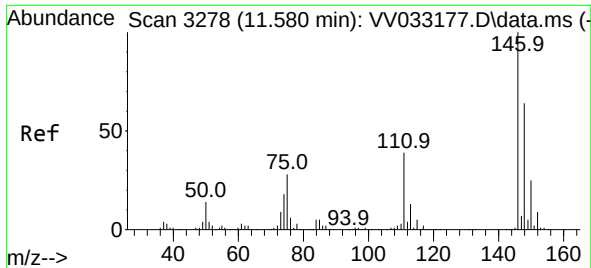
Tgt Ion:146 Resp: 271756
Ion Ratio Lower Upper
146 100
111 37.3 26.2 48.6
148 62.2 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 48.810 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Tgt Ion:146 Resp: 279155
Ion Ratio Lower Upper
146 100
111 35.4 25.9 48.1
148 63.2 44.9 83.5

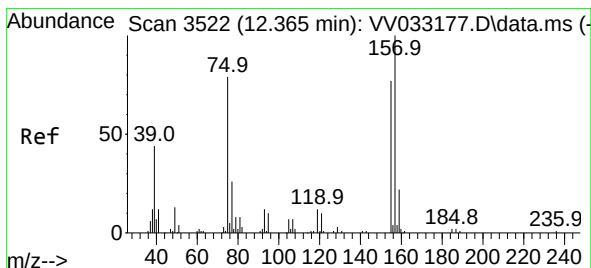
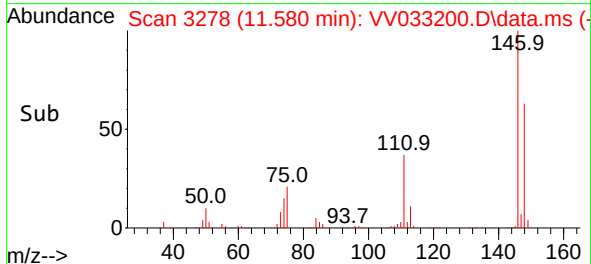
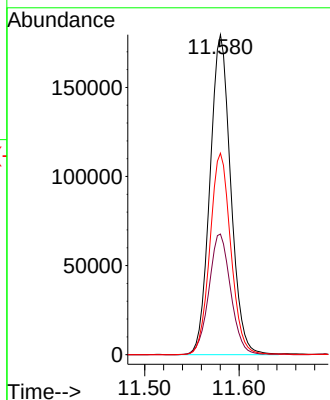
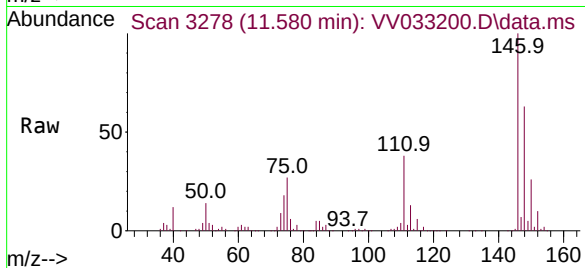




#67
1,2-Dichlorobenzene
Concen: 50.827 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

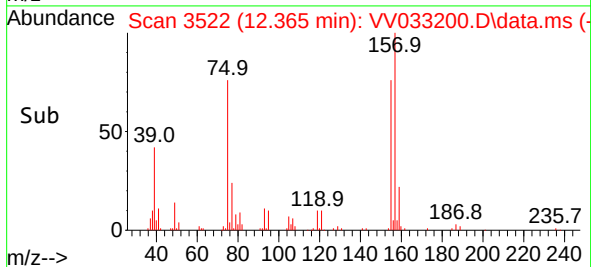
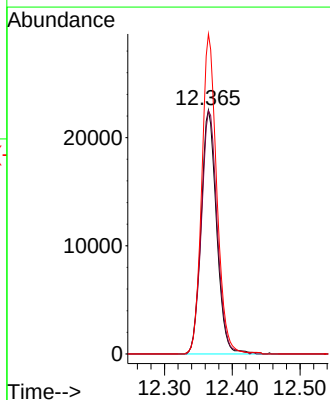
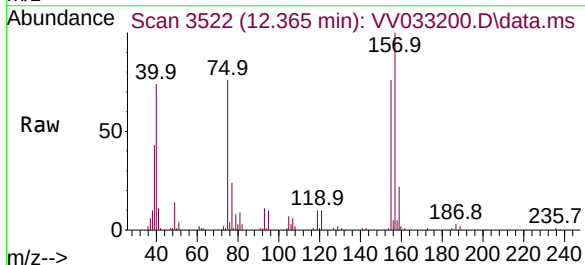
Instrument :
MSVOA_V
ClientSampleId :

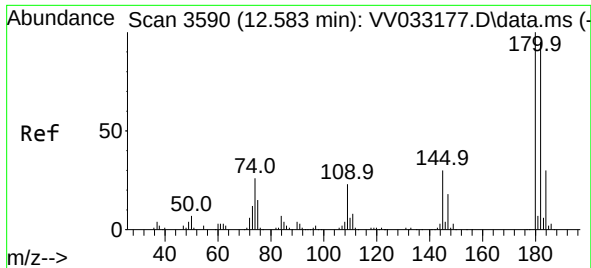
Tgt Ion:146 Resp: 274342
Ion Ratio Lower Upper
146 100
111 37.7 32.4 48.6
148 63.0 51.8 77.8



#68
1,2-Dibromo-3-chloropropane
Concen: 52.384 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.000 min
Lab File: VV033200.D
Acq: 08 Dec 2023 18:59

Tgt Ion: 75 Resp: 35823
Ion Ratio Lower Upper
75 100
155 99.6 75.8 113.6
157 131.1 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 46.689 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

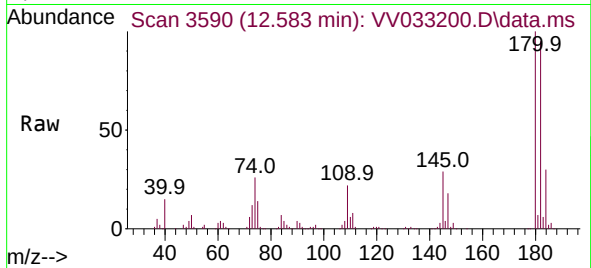
Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 205906

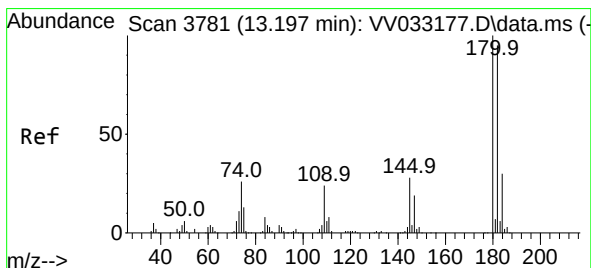
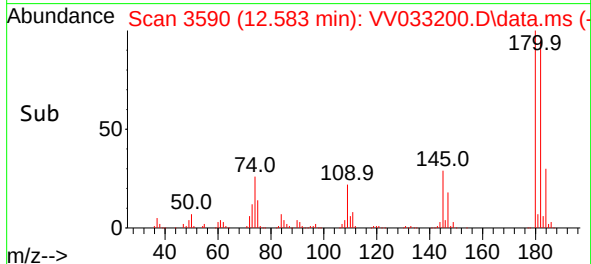
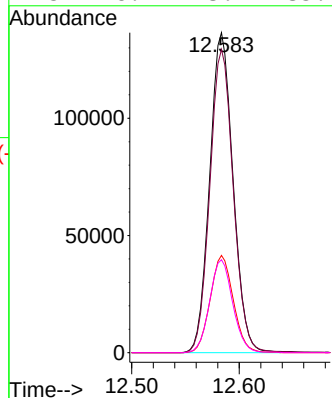
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

184 30.1 24.2 36.4

145 28.7 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 46.532 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

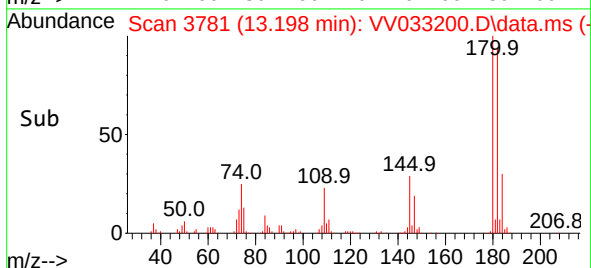
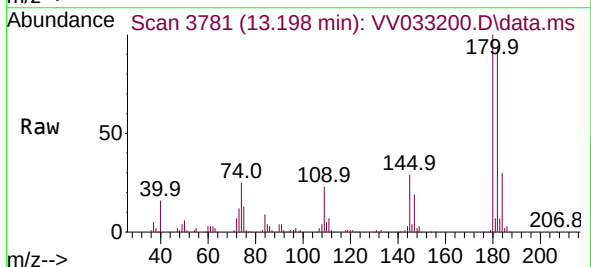
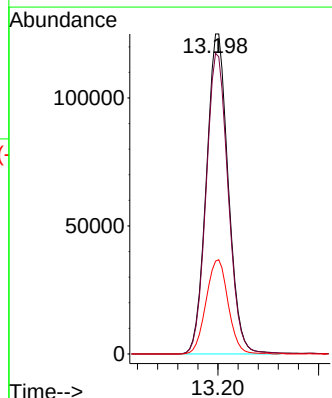
Tgt Ion:180 Resp: 189595

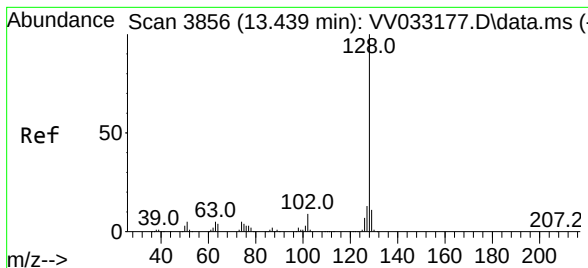
Ion Ratio Lower Upper

180 100

182 94.3 76.3 114.5

145 29.6 23.4 35.0





#71

Naphthalene

Concen: 48.975 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

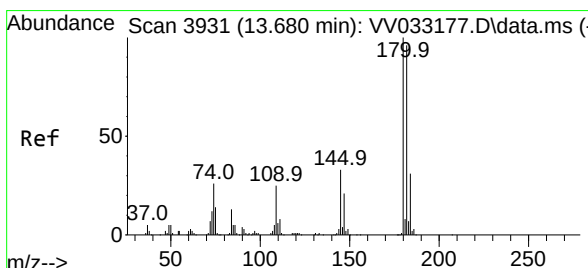
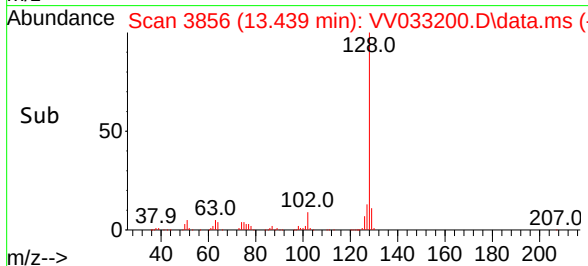
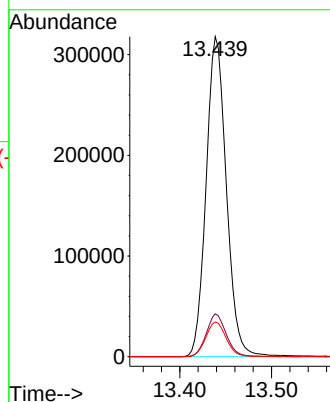
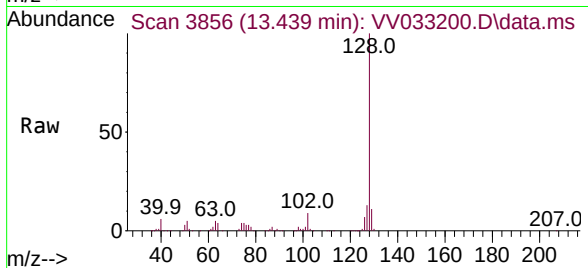
Tgt Ion:128 Resp: 486644

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 49.621 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033200.D

Acq: 08 Dec 2023 18:59

Tgt Ion:180 Resp: 195089

Ion Ratio Lower Upper

180 100

182 97.0 75.2 112.8

145 32.1 24.9 37.3

