

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120723\
 Data File : VW033157.D
 Acq On : 07 Dec 2023 19:17
 Operator : SY/MD
 Sample : 05673-03MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 08 01:41:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 01:34:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	300005	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	301394	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	183914	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	57957	32.316	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.640%
7) Chloroethane-d5	1.532	69	46640	37.324	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.640%
11) 1,1-Dichloroethene-d2	2.060	65	22948	33.635	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.280%
21) 2-Butanone-d5	3.780	46	86816	97.463	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.460%
24) Chloroform-d	4.249	84	163681	43.006	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.020%
26) 1,2-Dichloroethane-d4	4.941	65	101924	43.073	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.140%
32) Benzene-d6	4.960	84	279587	39.664	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.320%
36) 1,2-Dichloropropane-d6	5.989	67	77292	40.781	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.560%
41) Toluene-d8	7.243	98	267079	39.719	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.440%#
43) trans-1,3-Dichloroprop...	7.551	79	47120	39.317	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.640%
47) 2-Hexanone-d5	8.021	63	76681	100.710	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.710%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	132187	49.063	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.120%
66) 1,2-Dichlorobenzene-d4	11.561	152	140418	42.912	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	159002	48.487	ug/L	99
3) Chloromethane	1.214	50	105266	48.671	ug/L	99
5) Vinyl chloride	1.285	62	101667	49.014	ug/L	99
6) Bromomethane	1.484	94	69694	51.492	ug/L	96
8) Chloroethane	1.548	64	55970	50.682	ug/L	99
9) Trichlorofluoromethane	1.716	101	179575	52.465	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	84021	52.275	ug/L	98
12) 1,1-Dichloroethene	2.073	96	78244	52.022	ug/L	84
13) Acetone	2.108	43	53375	62.767	ug/L	100
14) Carbon disulfide	2.243	76	250566	46.433	ug/L	100
15) Methyl Acetate	2.368	43	64015	45.166	ug/L	99
16) Methylene chloride	2.446	84	96158	48.281	ug/L	96
17) trans-1,2-Dichloroethene	2.693	96	93854	47.526	ug/L	99
18) Methyl tert-butyl Ether	2.700	73	306963	51.169	ug/L	99
19) 1,1-Dichloroethane	3.111	63	160388	49.071	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	136087	64.946	ug/L	96
22) 2-Butanone	3.864	43	85460	78.970	ug/L	99
23) Bromochloromethane	4.146	128	60305	50.122	ug/L	96
25) Chloroform	4.275	83	195330	51.963	ug/L	95

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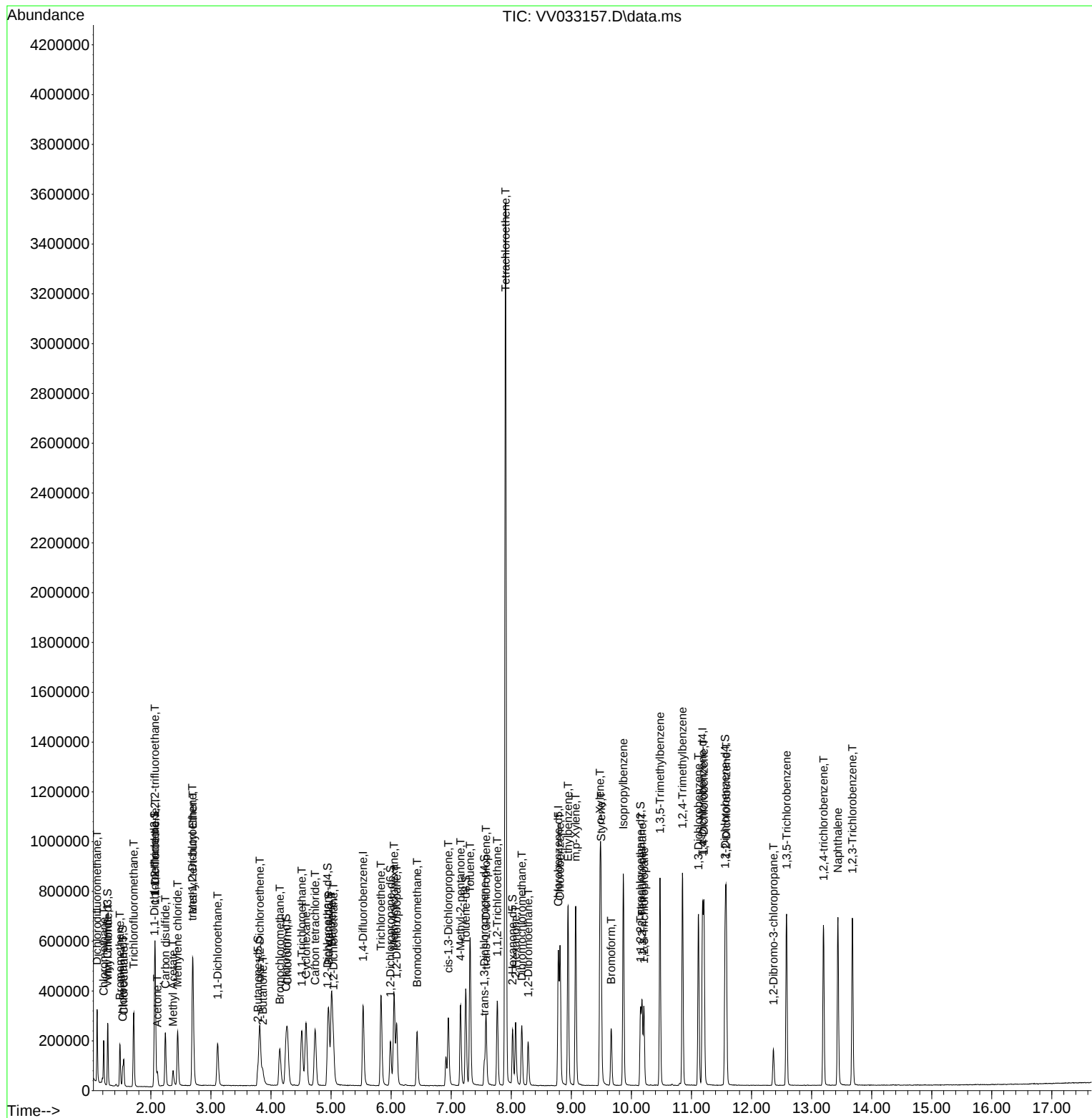
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	153155	51.560	ug/L	99
29) Cyclohexane	4.584	56	132906	47.743	ug/L	96
30) 1,1,1-Trichloroethane	4.513	97	190331	51.098	ug/L	99
31) Carbon tetrachloride	4.735	117	180037	51.983	ug/L	98
33) Benzene	5.011	78	387511	50.738	ug/L	100
34) Trichloroethene	5.831	95	123258	54.019	ug/L	97
35) Methylcyclohexane	6.050	83	165735	50.047	ug/L	98
37) 1,2-Dichloropropane	6.092	63	88035	49.805	ug/L	99
38) Bromodichloromethane	6.433	83	144746	50.795	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	155577	48.506	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	189297	100.864	ug/L	98
42) Toluene	7.314	91	442960	51.468	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	162578	50.128	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	104932	51.200	ug/L	98
46) Tetrachloroethene	7.905	164	794754	405.183	ug/L	98
48) 2-Hexanone	8.072	43	138094	88.749	ug/L	97
49) Dibromochloromethane	8.175	129	125795	51.417	ug/L	99
50) 1,2-Dibromoethane	8.281	107	110246	50.456	ug/L	98
51) Chlorobenzene	8.812	112	302173	49.928	ug/L	98
52) Ethylbenzene	8.947	91	501314	50.605	ug/L	99
53) m,p-Xylene	9.072	106	203276	51.815	ug/L	93
54) o-Xylene	9.477	106	196515	50.763	ug/L	100
55) Styrene	9.497	104	350039	52.269	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	144513	51.610	ug/L	98
59) Bromoform	9.664	173	102299	51.250	ug/L	99
60) Isopropylbenzene	9.866	105	543624	51.264	ug/L	99
61) 1,2,3-Trichloropropane	10.211	75	117236	51.121	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	438333	51.304	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	455616	51.205	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	283661	50.070	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	287956	48.931	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	282979	50.950	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	34023	48.351	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	217898	48.017	ug/L	100
70) 1,2,4-trichlorobenzene	13.198	180	203049	48.431	ug/L	99
71) Naphthalene	13.439	128	533893	52.217	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	205323	50.753	ug/L	97

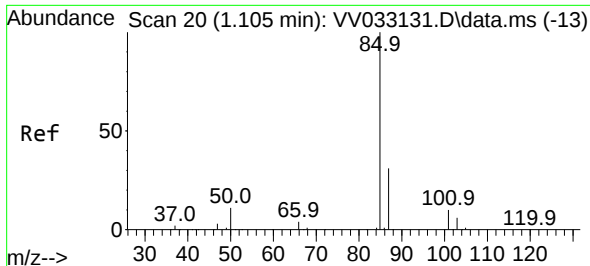
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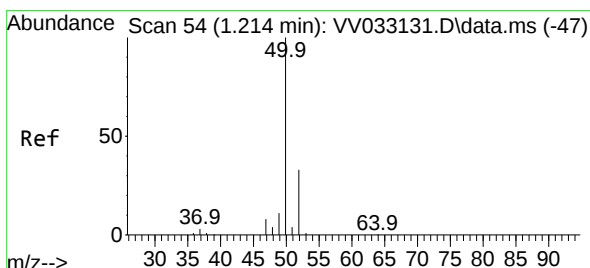
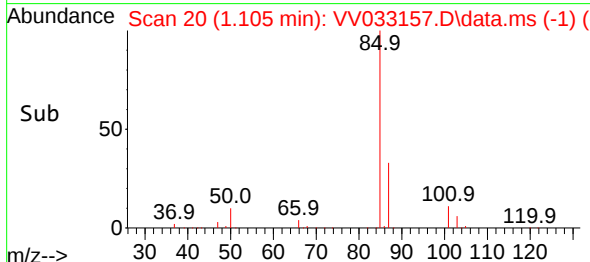
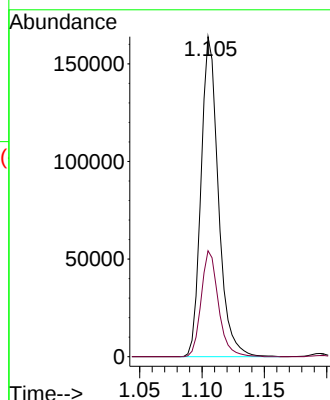
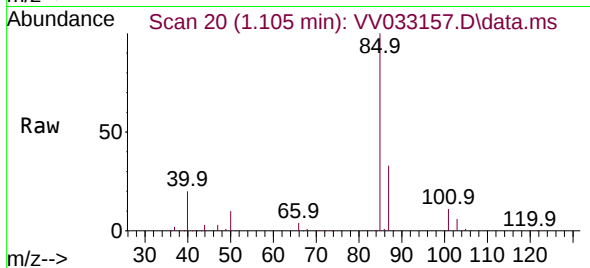




#2
 Dichlorodifluoromethane
 Concen: 48.487 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033157.D
 Acq: 07 Dec 2023 19:17

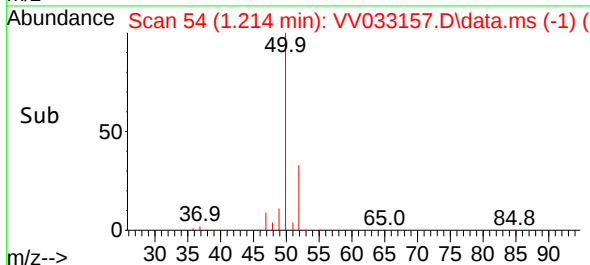
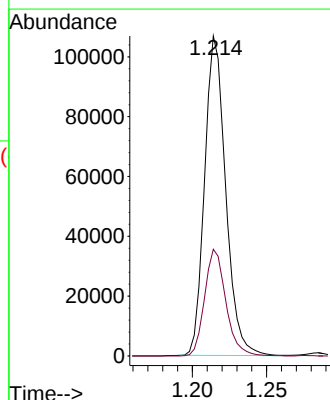
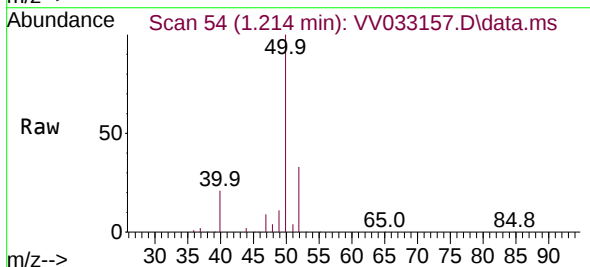
Instrument :
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 ClientSampleId :

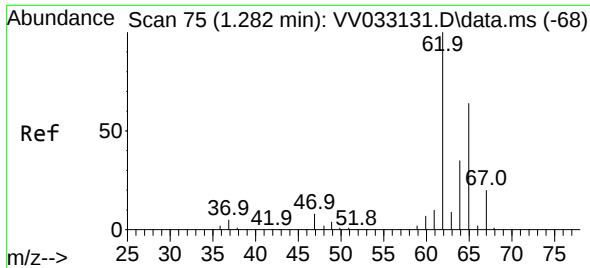
Tgt Ion: 85 Resp: 159002
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.0 39.0



#3
 Chloromethane
 Concen: 48.671 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033157.D
 Acq: 07 Dec 2023 19:17

Tgt Ion: 50 Resp: 105266
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.8 42.4

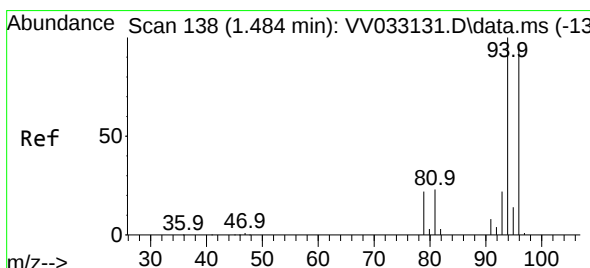
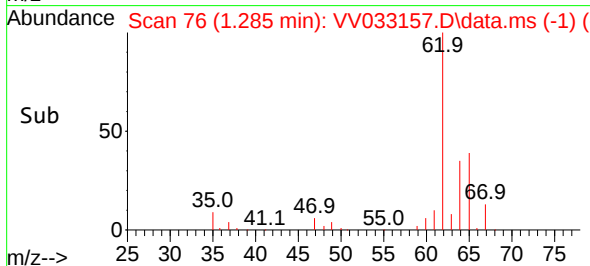
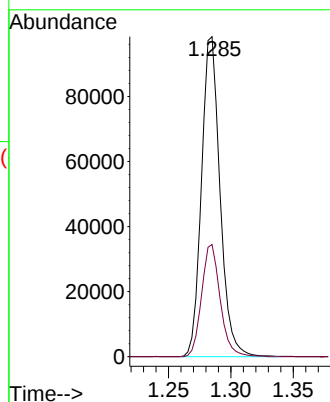
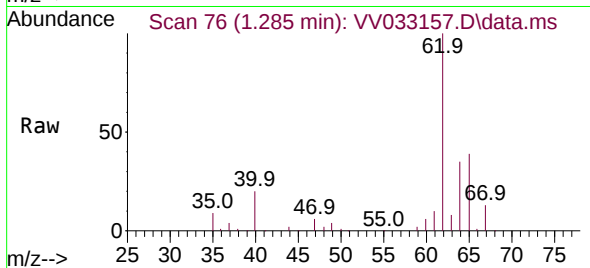




#5
 Vinyl chloride
 Concen: 49.014 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV033157.D
 Acq: 07 Dec 2023 19:17

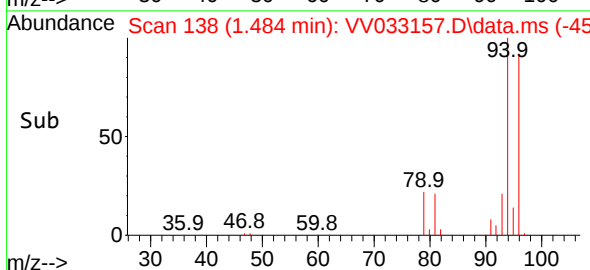
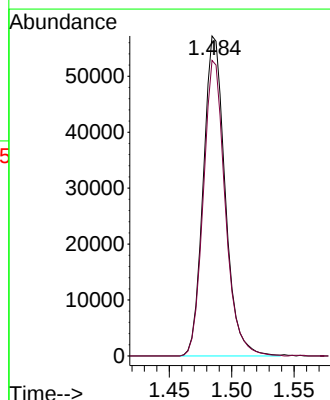
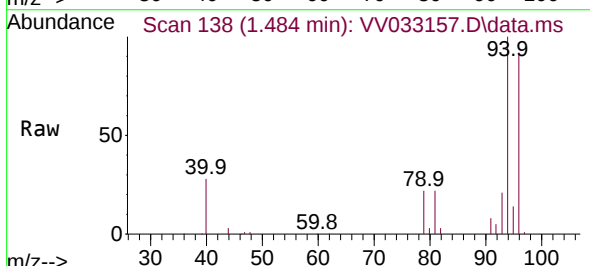
Instrument :
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 ClientSampleId :

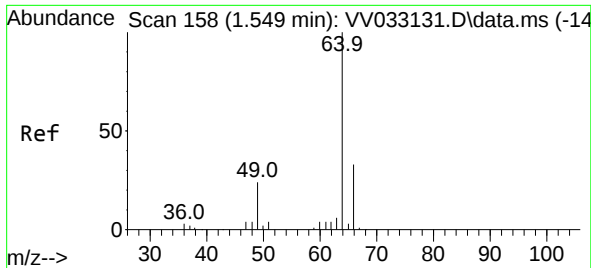
Tgt Ion: 62 Resp: 101667
 Ion Ratio Lower Upper
 62 100
 64 35.0 24.2 45.0



#6
 Bromomethane
 Concen: 51.492 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV033157.D
 Acq: 07 Dec 2023 19:17

Tgt Ion: 94 Resp: 69694
 Ion Ratio Lower Upper
 94 100
 96 92.3 67.1 124.7

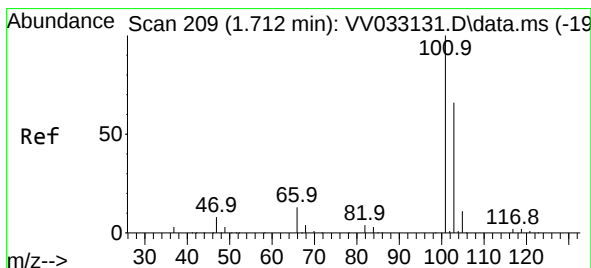
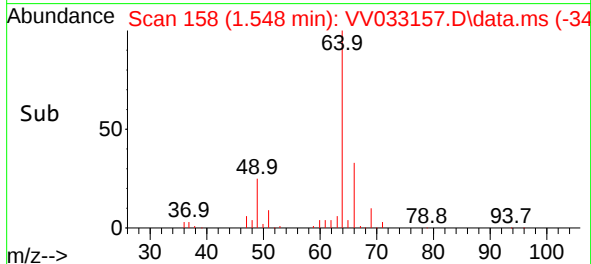
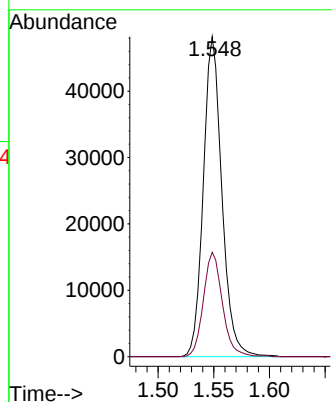
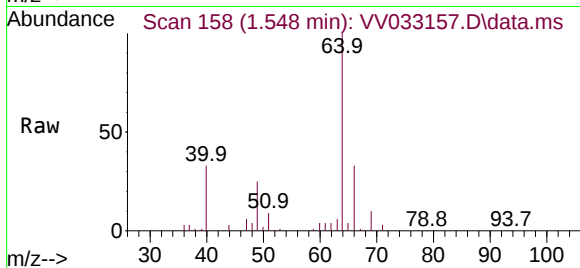




#8
Chloroethane
Concen: 50.682 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

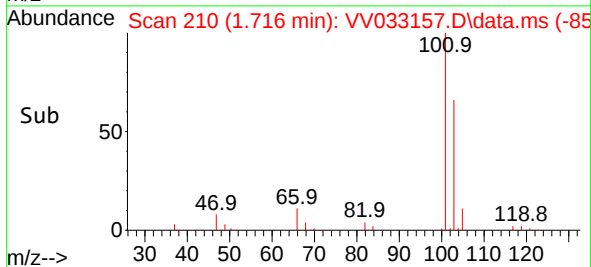
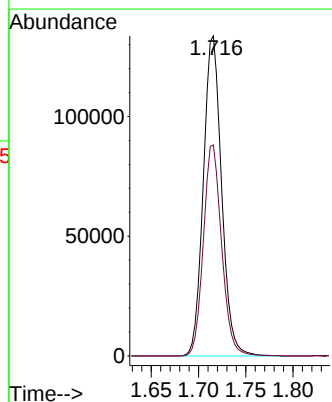
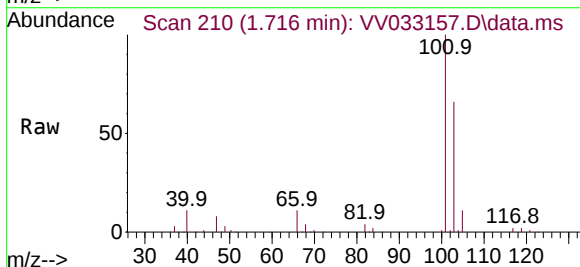
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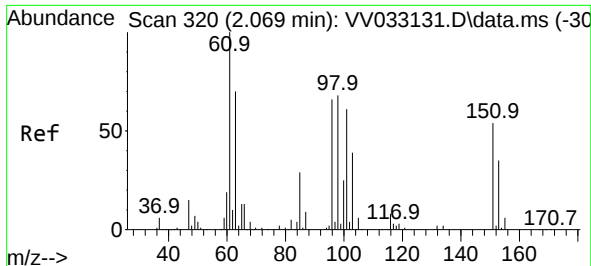
Tgt Ion: 64 Resp: 55970
Ion Ratio Lower Upper
64 100
66 32.6 22.3 41.5



#9
Trichlorofluoromethane
Concen: 52.465 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

Tgt Ion:101 Resp: 179575
Ion Ratio Lower Upper
101 100
103 65.8 51.3 76.9





#10

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

Concen: 52.275 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

ClientSampleId :

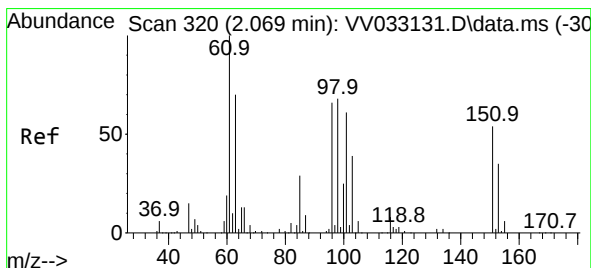
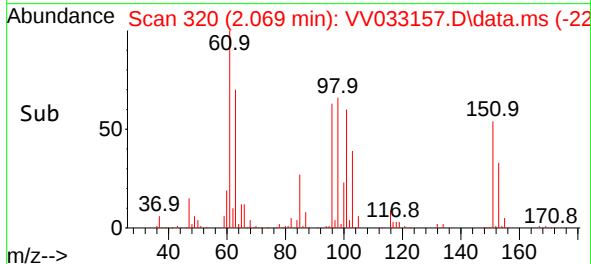
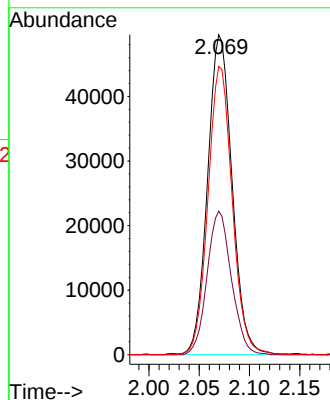
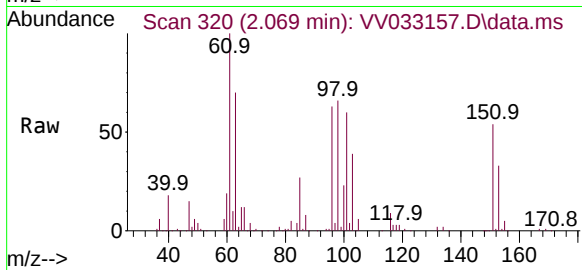
Tgt Ion:101 Resp: 84021

Ion Ratio Lower Upper

101 100

85 44.5 36.0 54.0

151 89.3 69.1 103.7



#12

1,1-Dichloroethene

Concen: 52.022 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

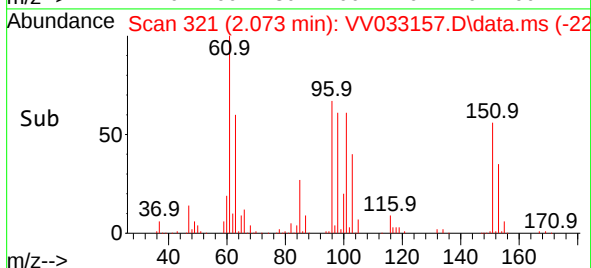
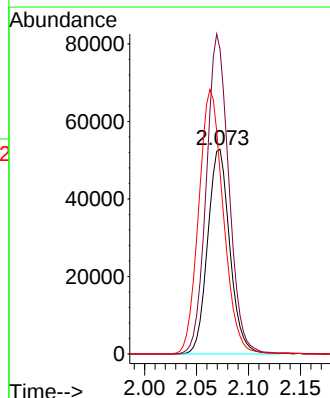
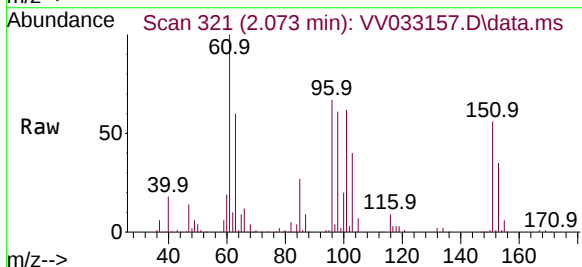
Tgt Ion: 96 Resp: 78244

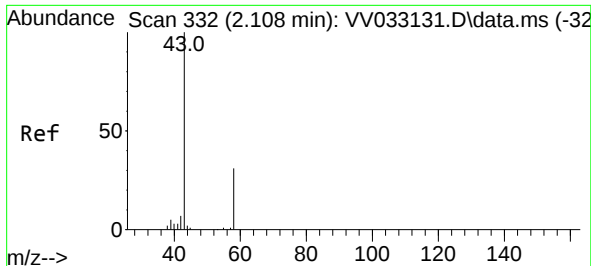
Ion Ratio Lower Upper

96 100

61 149.0 109.1 202.7

63 88.8 85.3 158.3





#13

Acetone

Concen: 62.767 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.000 min

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Instrument :

MSVOA_V

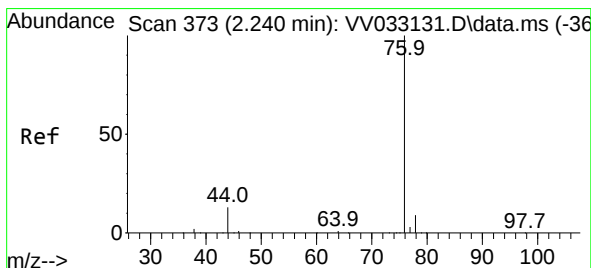
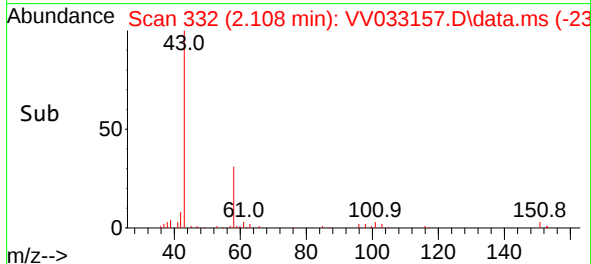
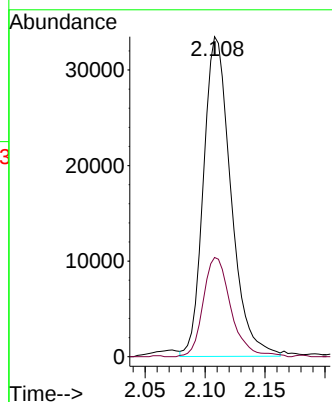
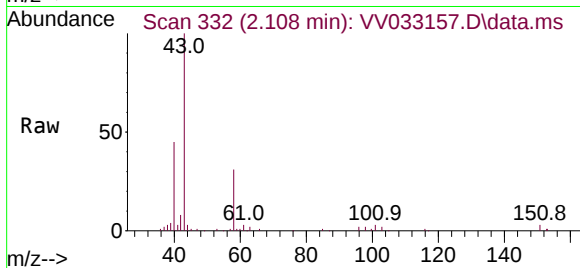
ClientSampleId :

Tgt Ion: 43 Resp: 53375

Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.8



#14

Carbon disulfide

Concen: 46.433 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

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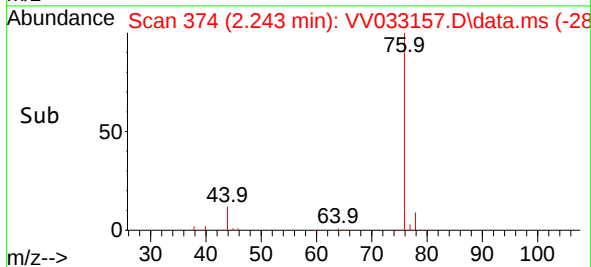
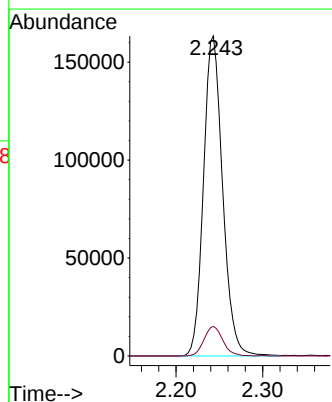
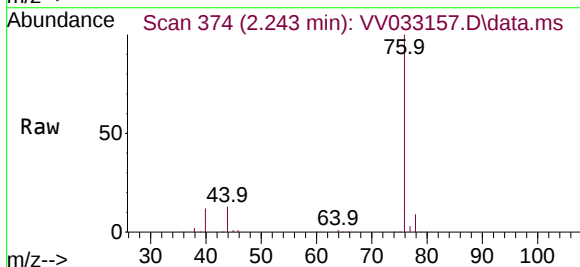
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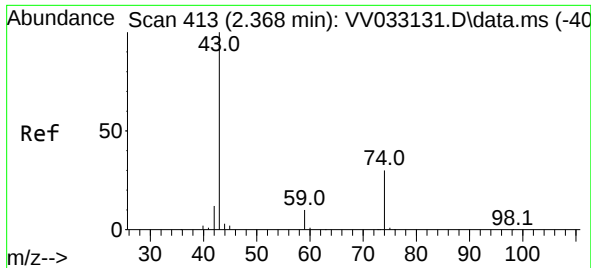
Tgt Ion: 76 Resp: 250566

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

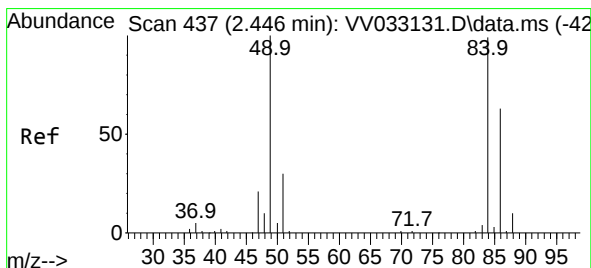
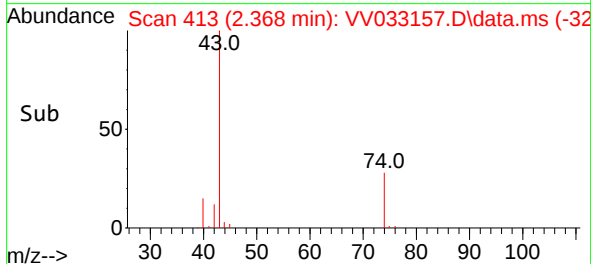
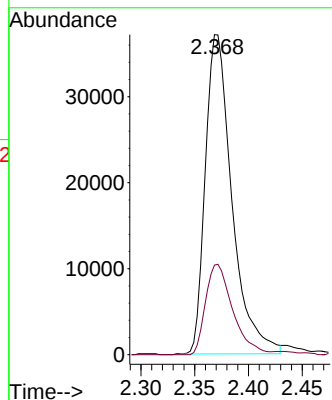
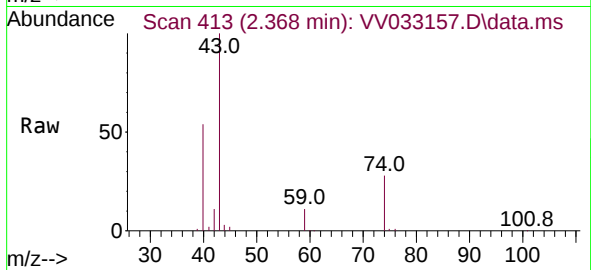




#15
Methyl Acetate
Concen: 45.166 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

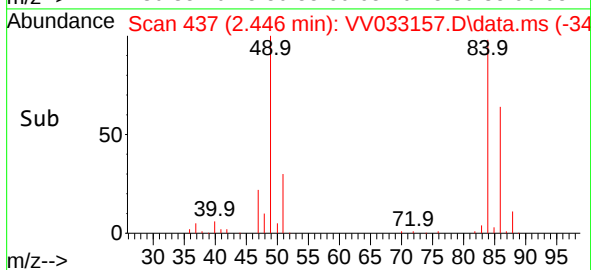
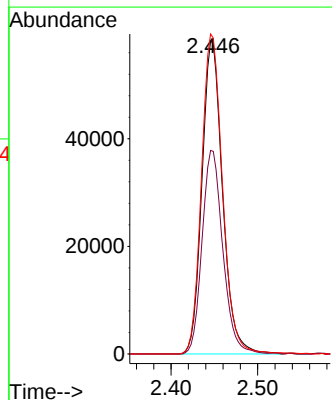
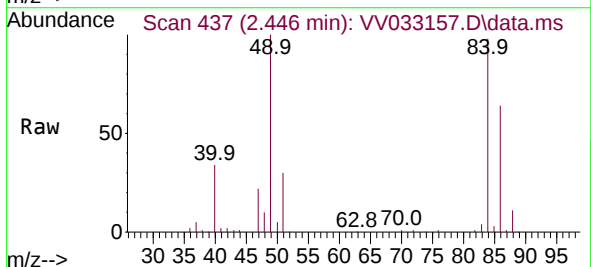
Instrument :
MSVOA_V
ClientSampleId :

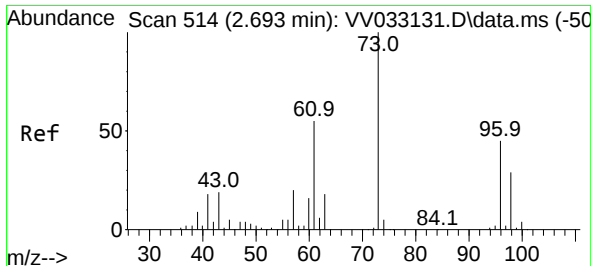
Tgt Ion: 43 Resp: 64015
Ion Ratio Lower Upper
43 100
74 28.8 22.6 33.8



#16
Methylene chloride
Concen: 48.281 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

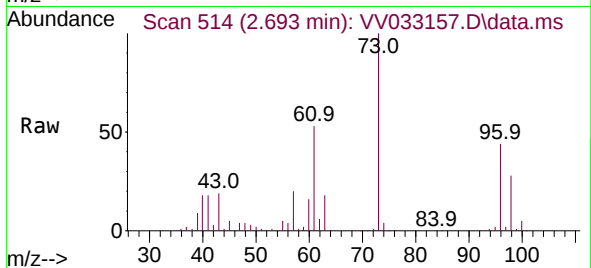
Tgt Ion: 84 Resp: 96158
Ion Ratio Lower Upper
84 100
86 65.0 45.9 85.3
49 102.2 75.5 140.1



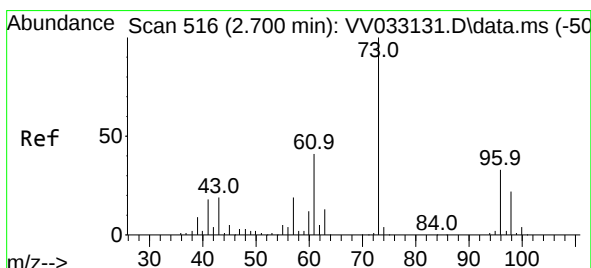
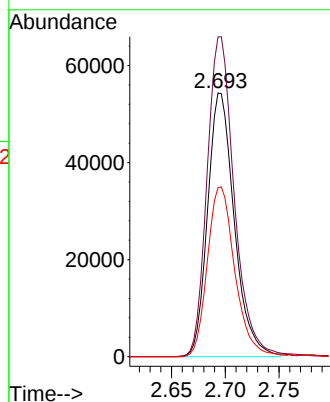
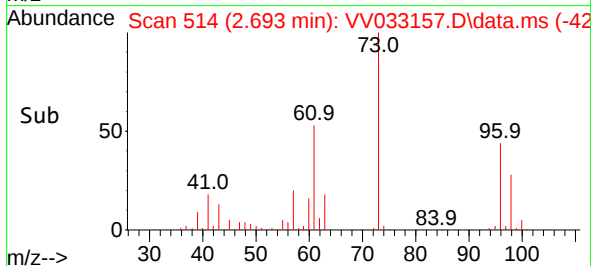


#17
trans-1,2-Dichloroethene
Concen: 47.526 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

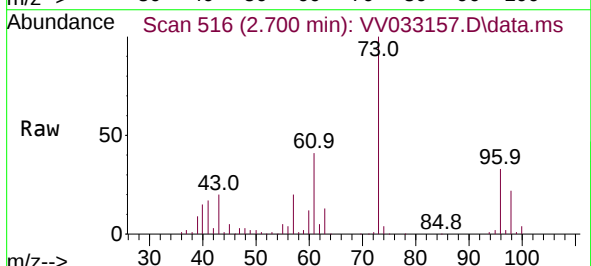
Instrument :
MSVOA_V
ClientSampleId :



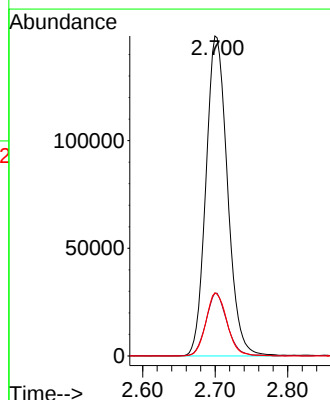
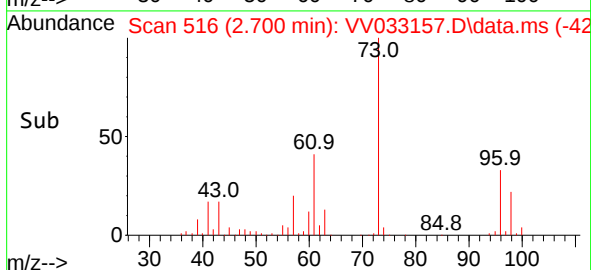
Tgt Ion: 96 Resp: 93854
Ion Ratio Lower Upper
96 100
61 121.2 86.5 160.6
98 64.1 45.1 83.7

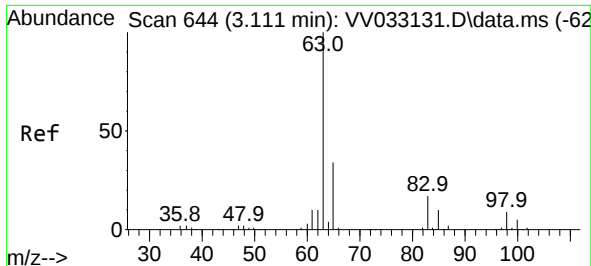


#18
Methyl tert-butyl Ether
Concen: 51.169 ug/L
RT: 2.700 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17



Tgt Ion: 73 Resp: 306963
Ion Ratio Lower Upper
73 100
43 19.1 15.4 23.2
57 19.3 16.1 24.1





#19

1,1-Dichloroethane

Concen: 49.071 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

ClientSampleId :

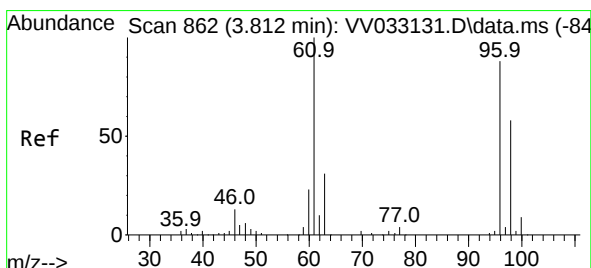
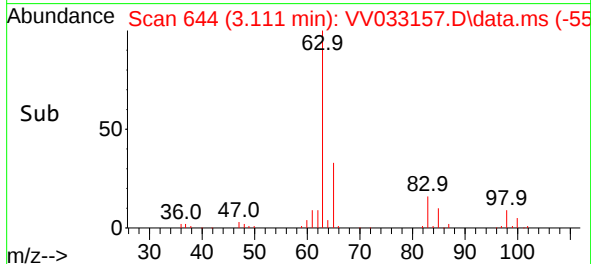
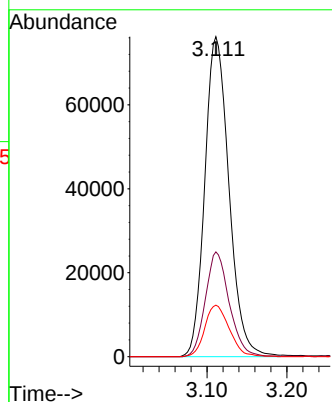
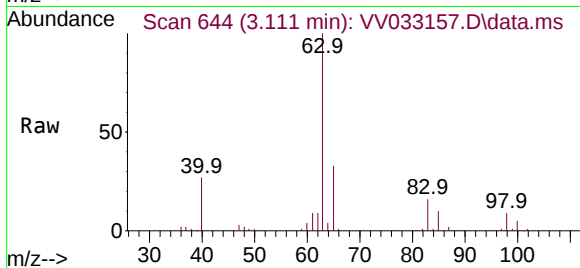
Tgt Ion: 63 Resp: 160388

Ion Ratio Lower Upper

63 100

65 32.8 23.0 42.6

83 16.1 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 64.946 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

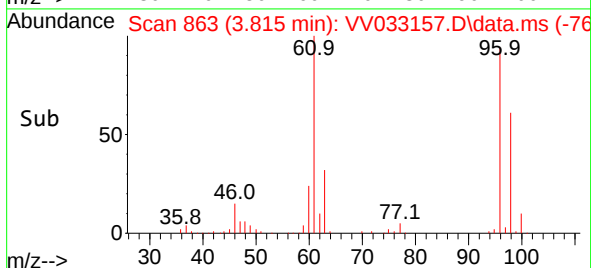
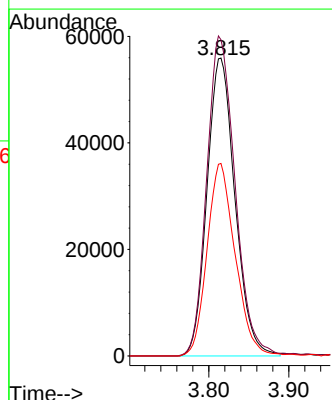
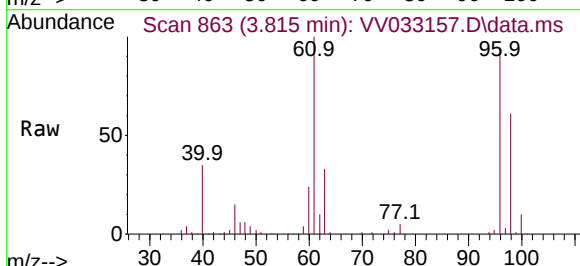
Tgt Ion: 96 Resp: 136087

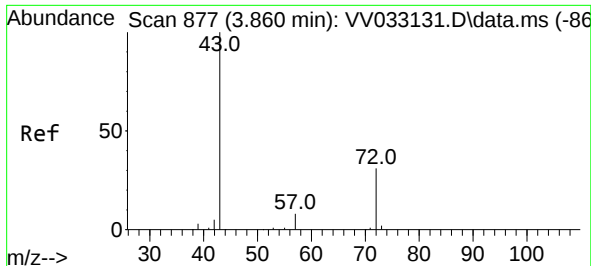
Ion Ratio Lower Upper

96 100

61 106.1 79.1 146.9

98 64.6 45.1 83.7

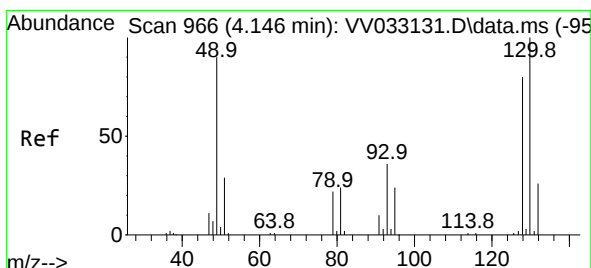
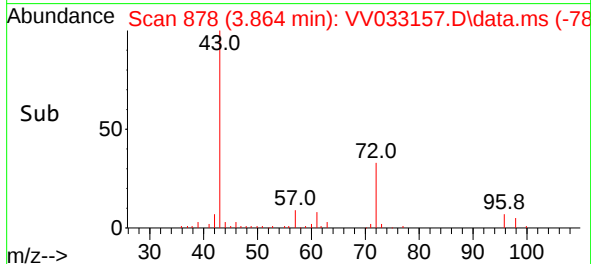
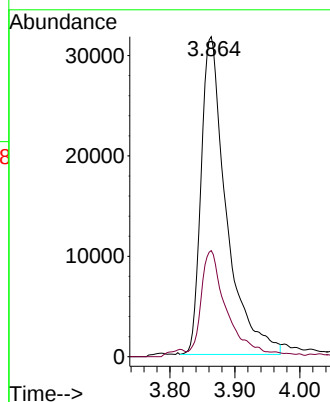
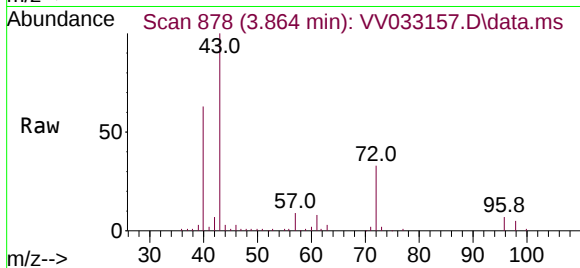




#22
2-Butanone
Concen: 78.970 ug/L
RT: 3.864 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

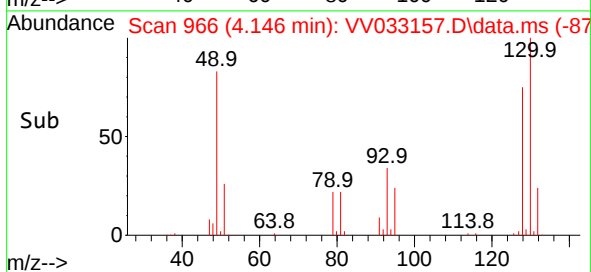
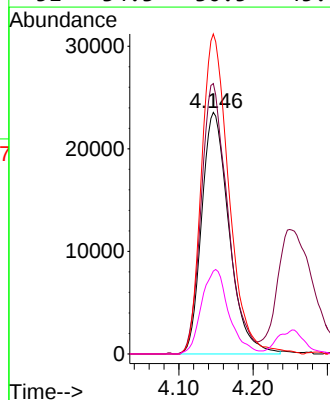
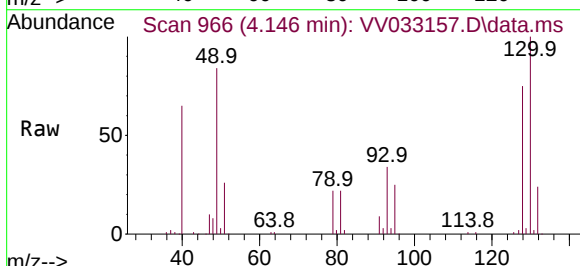
Instrument :
MSVOA_V
ClientSampleId :

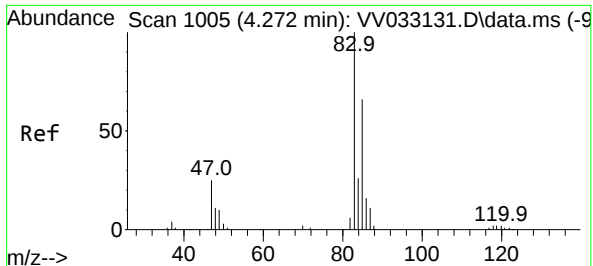
Tgt Ion: 43 Resp: 85460
Ion Ratio Lower Upper
43 100
72 29.8 14.6 43.8



#23
Bromochloromethane
Concen: 50.122 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

Tgt Ion:128 Resp: 60305
Ion Ratio Lower Upper
128 100
49 111.9 81.7 151.7
130 132.5 90.1 167.3
51 34.3 30.5 45.7





#25

Chloroform

Concen: 51.963 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

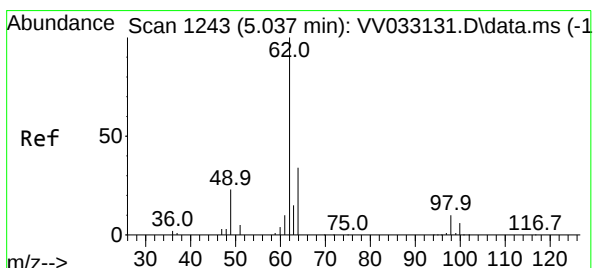
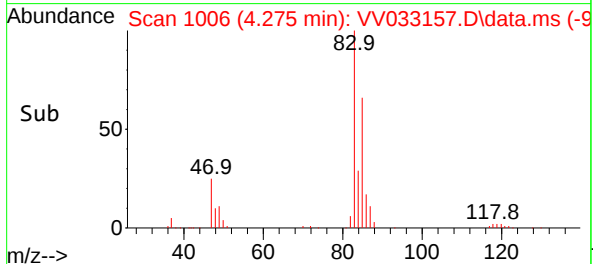
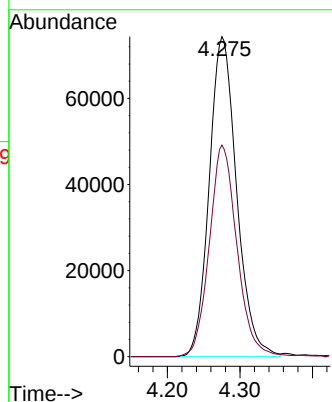
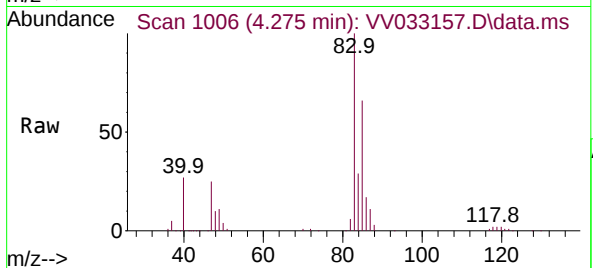
ClientSampleId :

Tgt Ion: 83 Resp: 195330

Ion Ratio Lower Upper

83 100

85 66.1 43.5 80.7



#27

1,2-Dichloroethane

Concen: 51.560 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033157.D

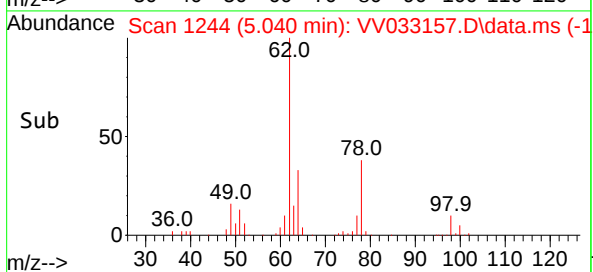
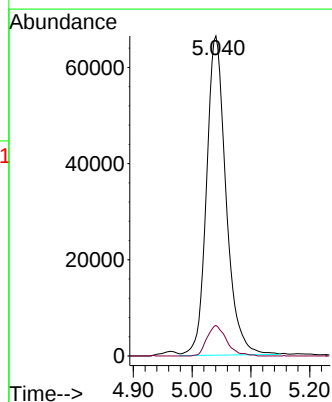
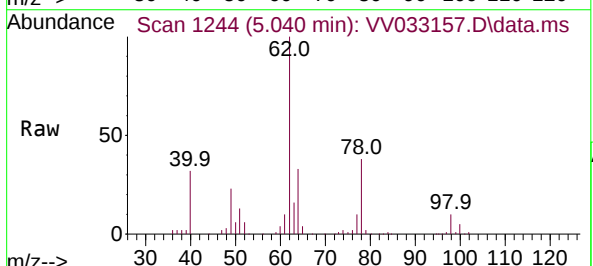
Acq: 07 Dec 2023 19:17

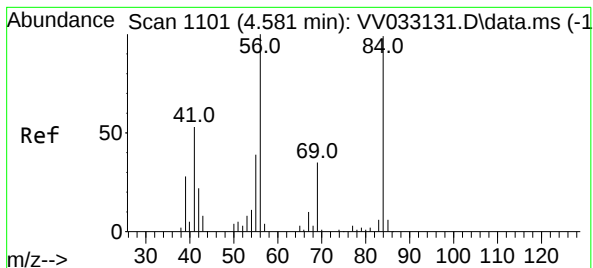
Tgt Ion: 62 Resp: 153155

Ion Ratio Lower Upper

62 100

98 9.6 7.8 11.8





#29

Cyclohexane

Concen: 47.743 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

ClientSampleId :

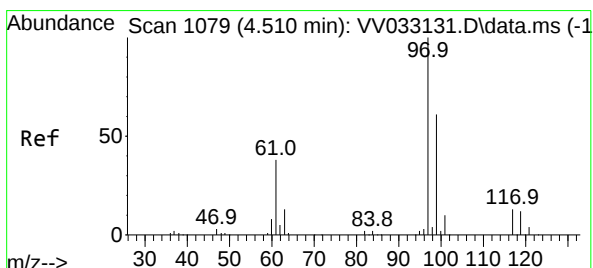
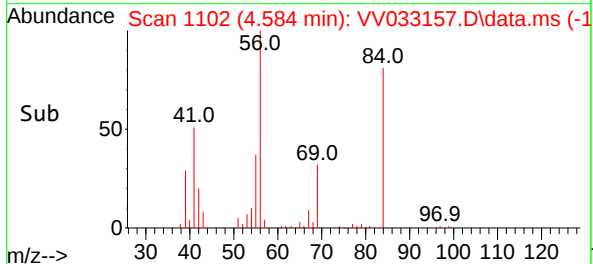
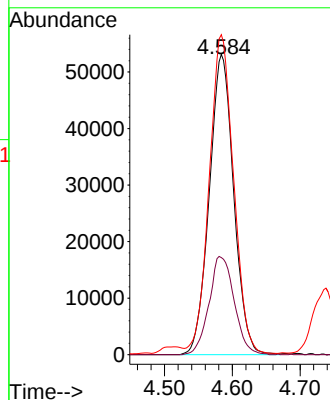
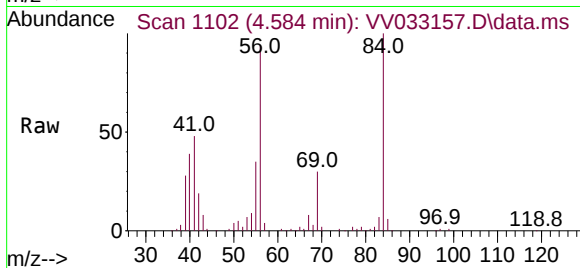
Tgt Ion: 56 Resp: 132906

Ion Ratio Lower Upper

56 100

69 33.7 26.9 40.3

84 105.5 80.6 121.0



#30

1,1,1-Trichloroethane

Concen: 51.098 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

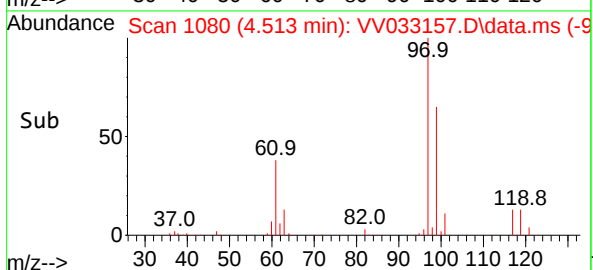
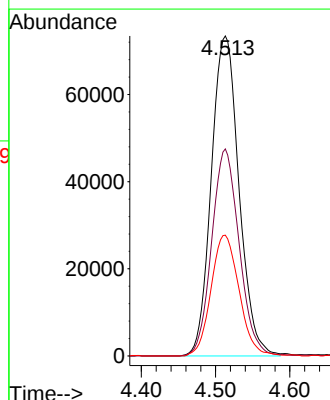
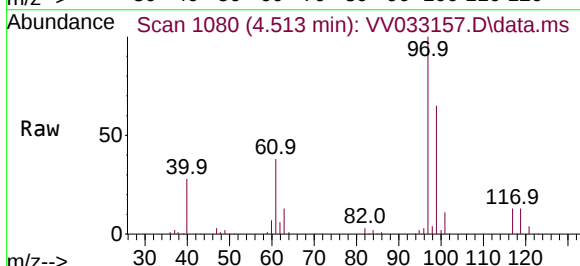
Tgt Ion: 97 Resp: 190331

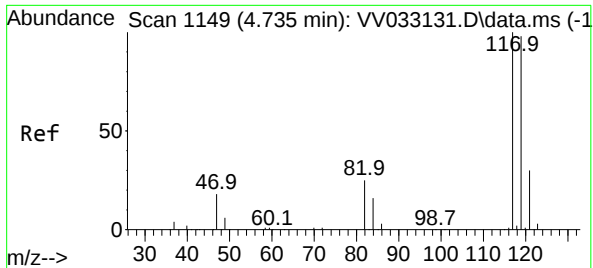
Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 38.3 31.8 47.8

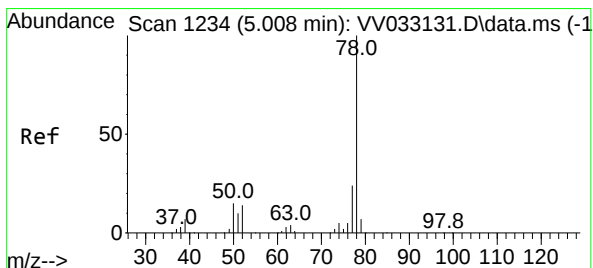
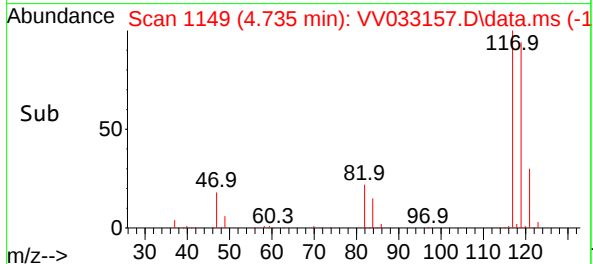
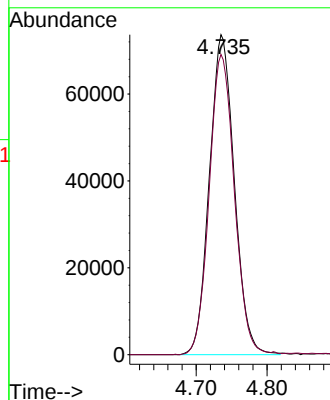
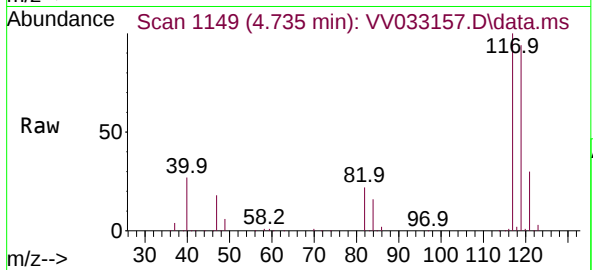




#31
Carbon tetrachloride
Concen: 51.983 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

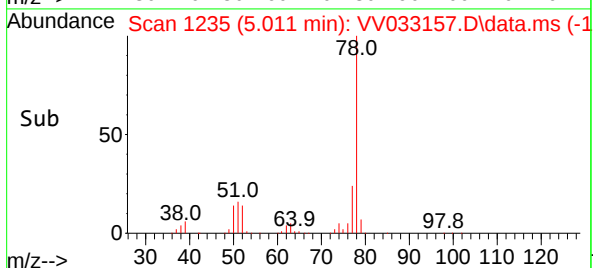
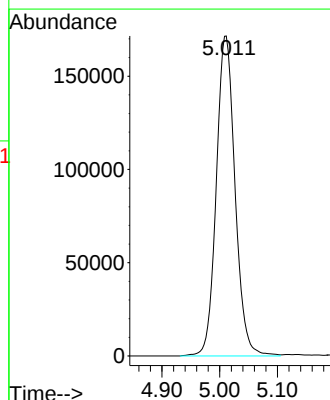
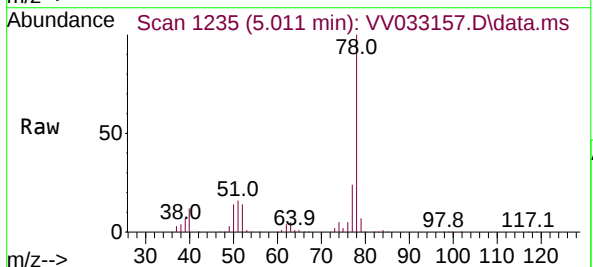
Instrument :
MSVOA_V
ClientSampleId :

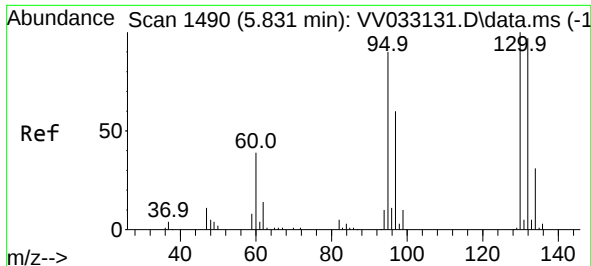
Tgt Ion:117 Resp: 180037
Ion Ratio Lower Upper
117 100
119 94.5 77.5 116.3



#33
Benzene
Concen: 50.738 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

Tgt Ion: 78 Resp: 387511

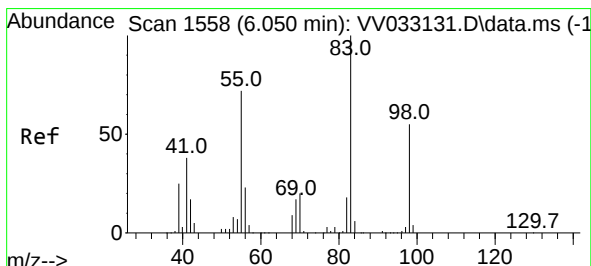
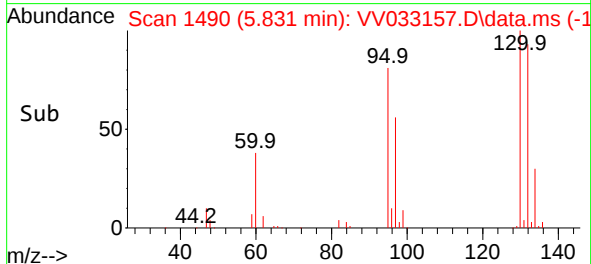
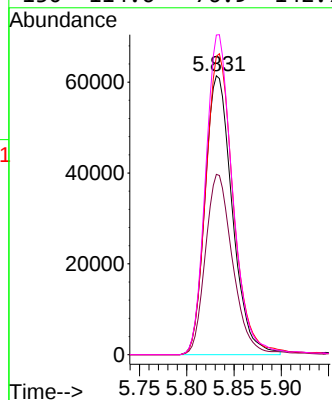
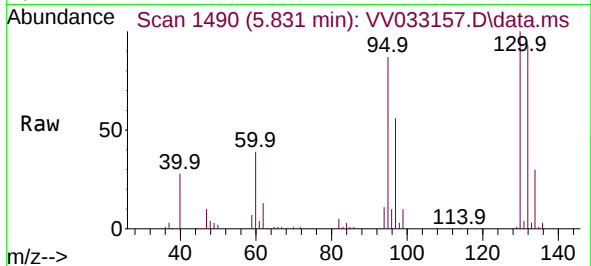




#34
Trichloroethene
Concen: 54.019 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

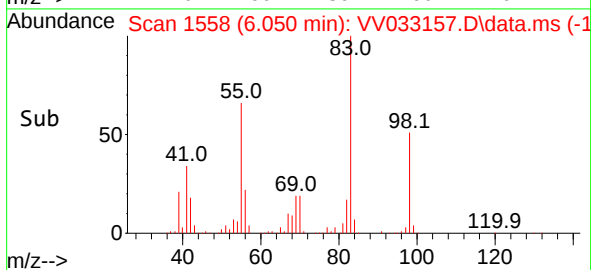
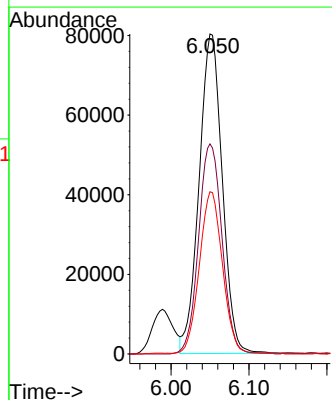
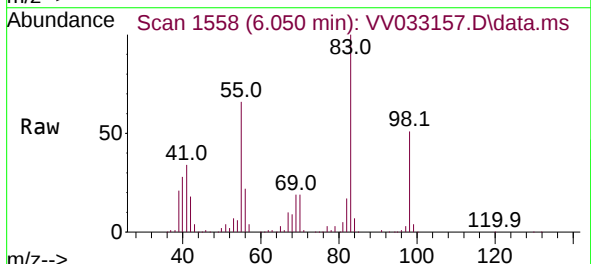
Instrument :
MSVOA_V
ClientSampleId :

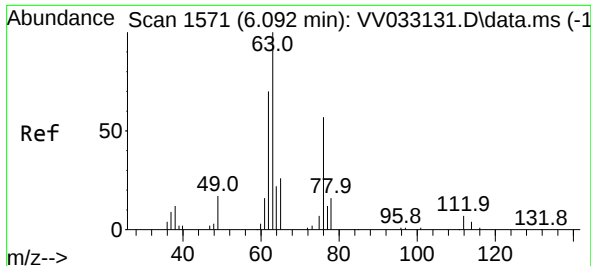
Tgt Ion: 95 Resp: 123258
Ion Ratio Lower Upper
95 100
97 64.6 45.8 85.0
132 107.0 77.4 143.8
130 114.6 76.9 142.7



#35
Methylcyclohexane
Concen: 50.047 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

Tgt Ion: 83 Resp: 165735
Ion Ratio Lower Upper
83 100
55 66.3 54.8 82.2
98 50.9 41.4 62.0





#37

1,2-Dichloropropane

Concen: 49.805 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

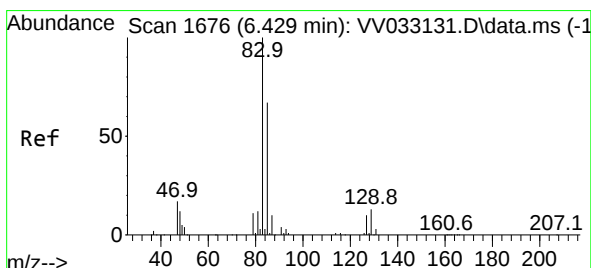
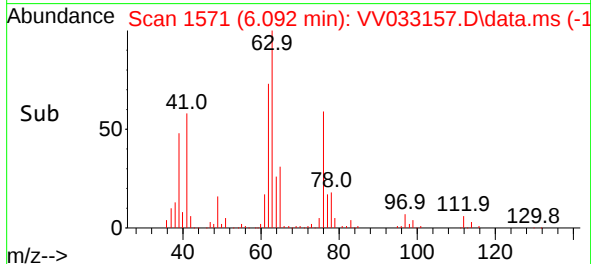
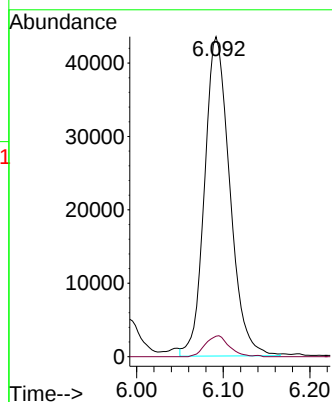
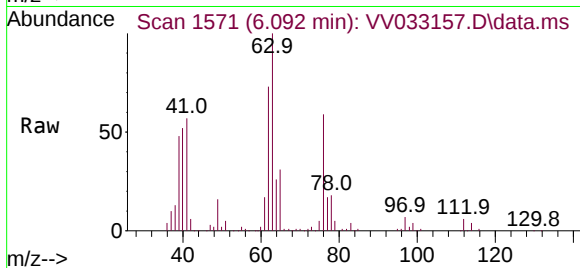
ClientSampleId :

Tgt Ion: 63 Resp: 88035

Ion Ratio Lower Upper

63 100

112 6.2 4.6 6.8



#38

Bromodichloromethane

Concen: 50.795 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

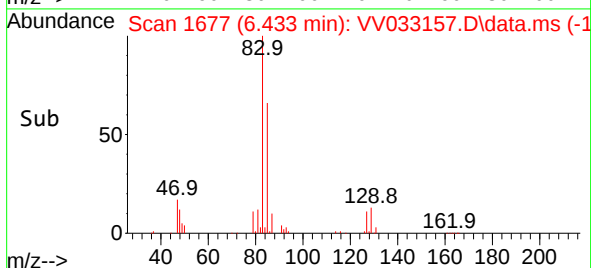
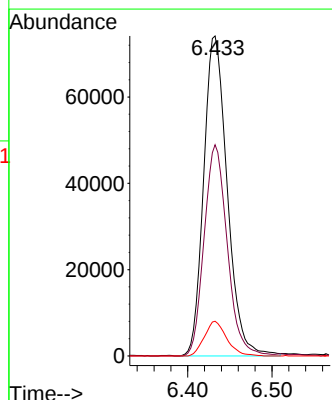
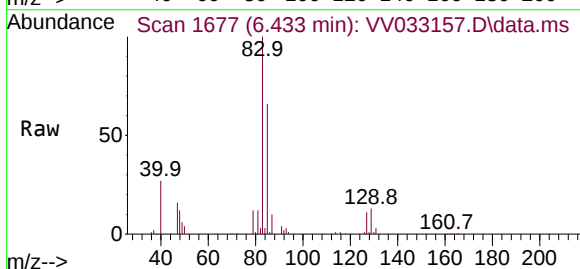
Tgt Ion: 83 Resp: 144746

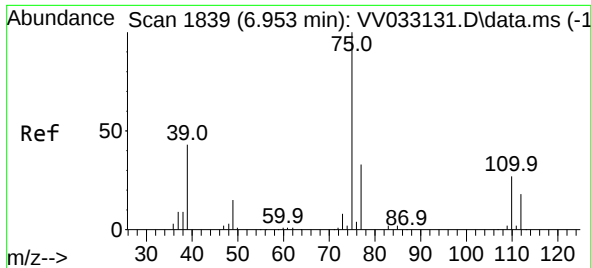
Ion Ratio Lower Upper

83 100

85 66.0 45.6 84.6

127 10.9 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 48.506 ug/L

RT: 6.953 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

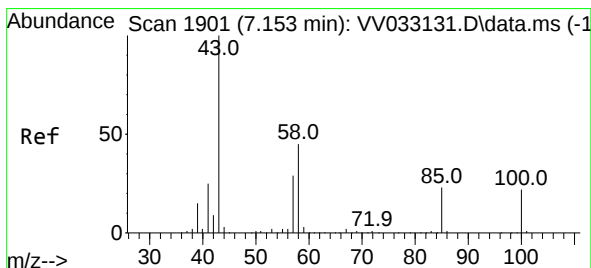
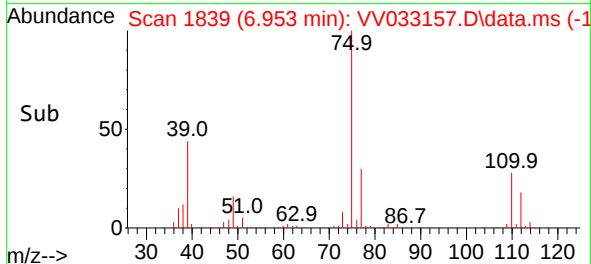
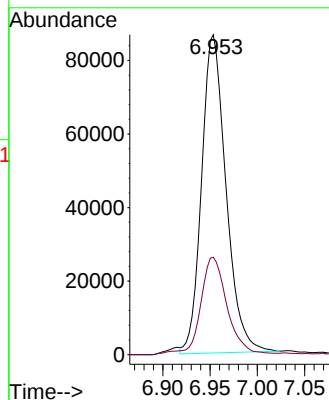
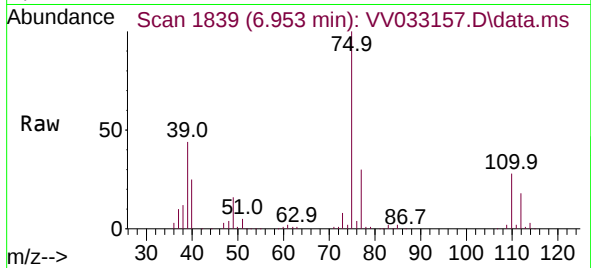
ClientSampleId :

Tgt Ion: 75 Resp: 155577

Ion Ratio Lower Upper

75 100

77 30.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 100.864 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

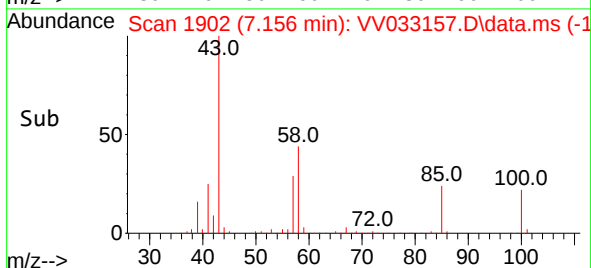
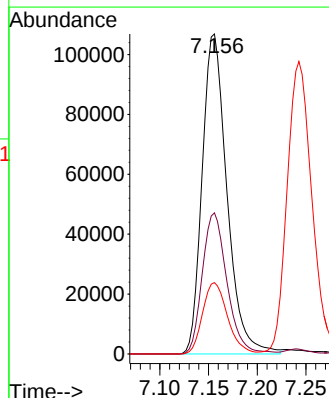
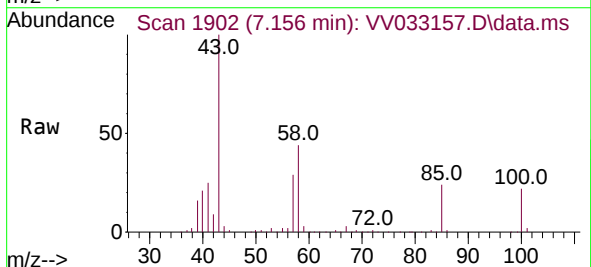
Tgt Ion: 43 Resp: 189297

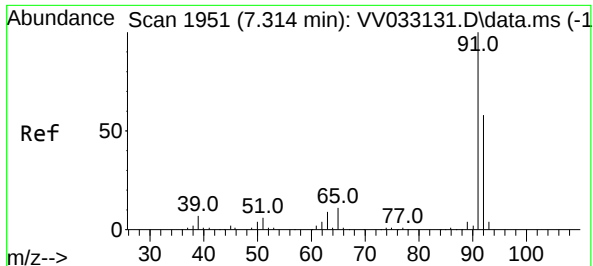
Ion Ratio Lower Upper

43 100

58 43.9 34.5 51.7

100 22.4 17.0 25.6





#42

Toluene

Concen: 51.468 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

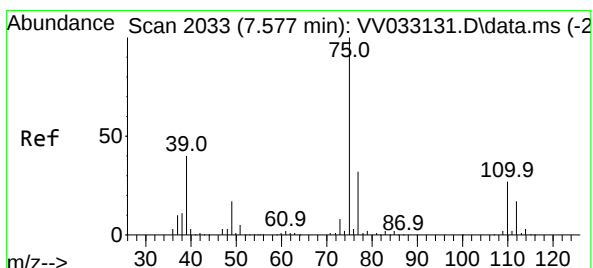
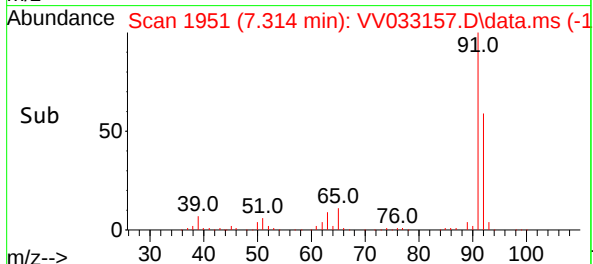
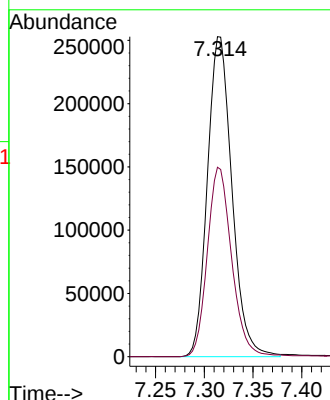
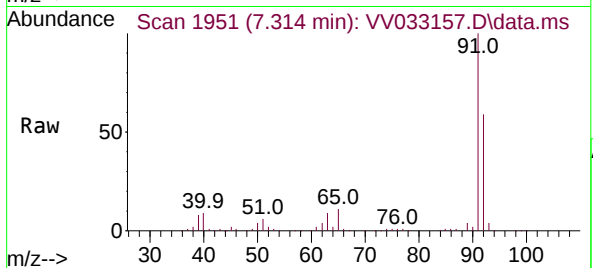
ClientSampleId :

Tgt Ion: 91 Resp: 442960

Ion Ratio Lower Upper

91 100

92 59.2 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 50.128 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV033157.D

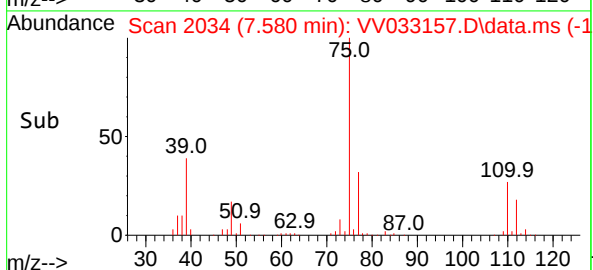
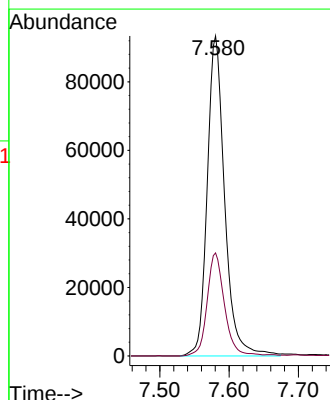
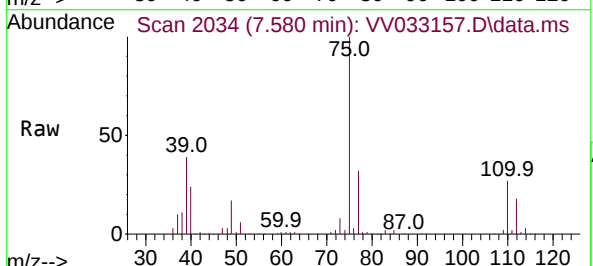
Acq: 07 Dec 2023 19:17

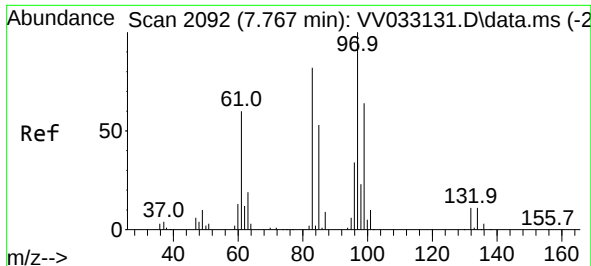
Tgt Ion: 75 Resp: 162578

Ion Ratio Lower Upper

75 100

77 32.2 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 51.200 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 104932

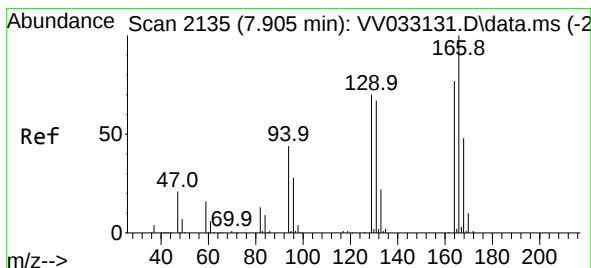
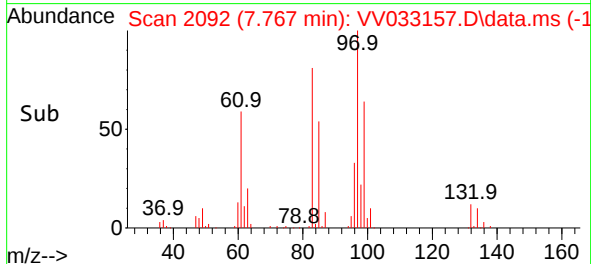
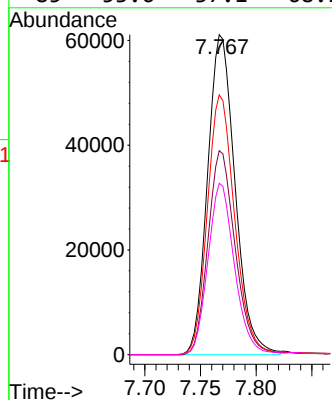
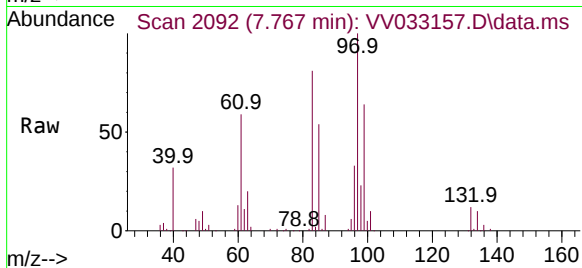
Ion Ratio Lower Upper

97 100

99 63.8 43.2 80.2

83 81.2 55.8 103.6

85 53.6 37.1 68.9



#46

Tetrachloroethene

Concen: 405.183 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Tgt Ion:164 Resp: 794754

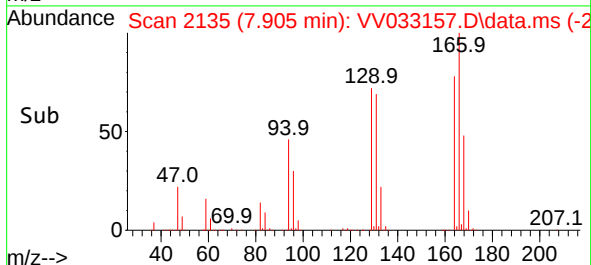
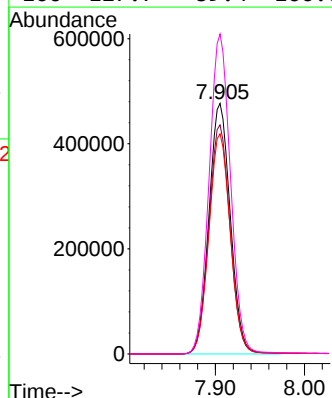
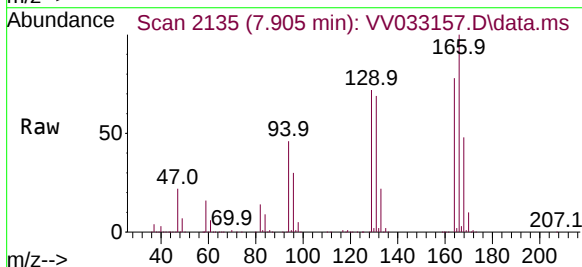
Ion Ratio Lower Upper

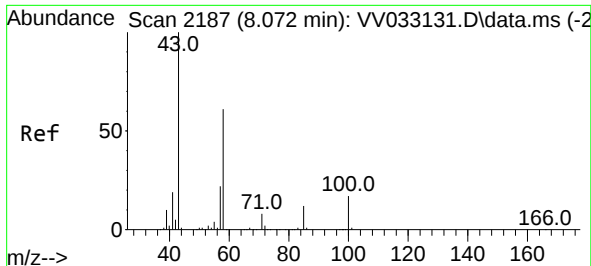
164 100

129 91.5 65.6 121.8

131 87.9 64.7 120.1

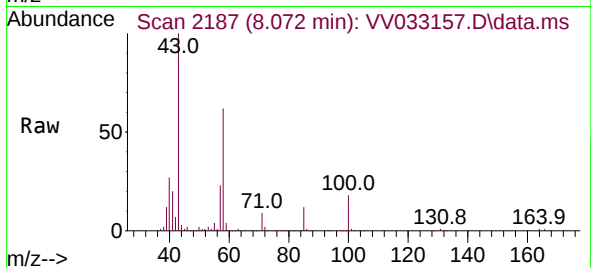
166 127.7 89.4 166.0





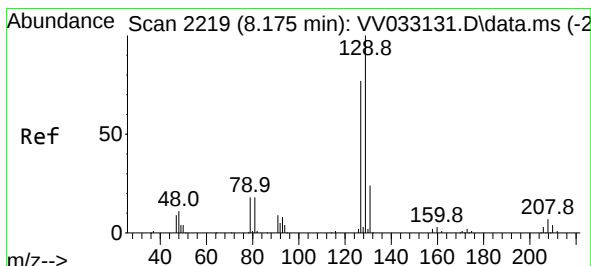
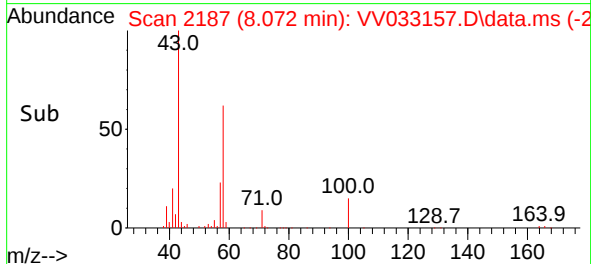
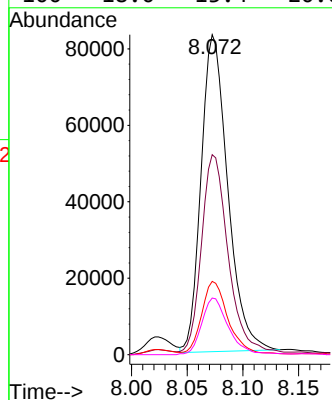
#48
2-Hexanone
Concen: 88.749 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 138094

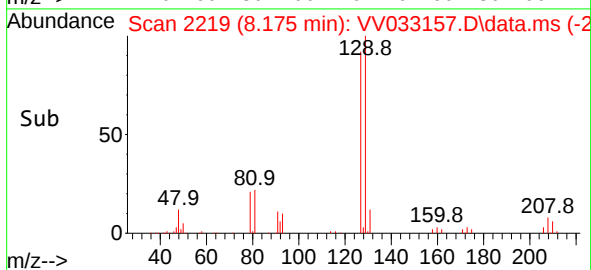
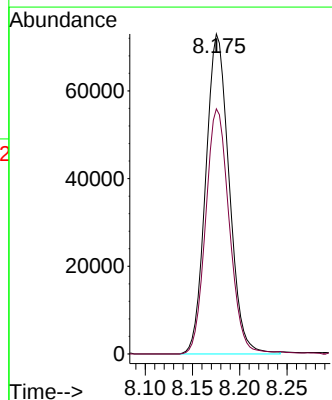
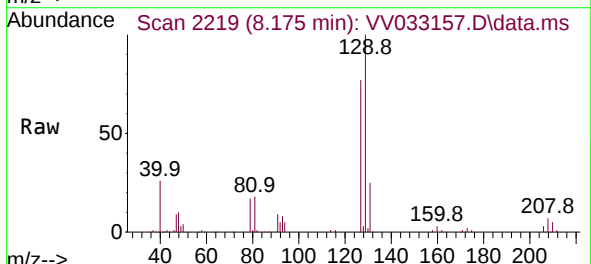
Ion	Ratio	Lower	Upper
43	100		
58	62.5	47.9	71.9
57	21.9	17.4	26.0
100	18.0	13.4	20.0

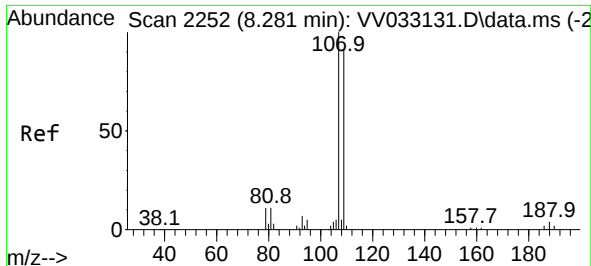


#49
Dibromochloromethane
Concen: 51.417 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

Tgt Ion: 129 Resp: 125795

Ion	Ratio	Lower	Upper
129	100		
127	76.6	54.1	100.5





#50

1,2-Dibromoethane

Concen: 50.456 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033157.D

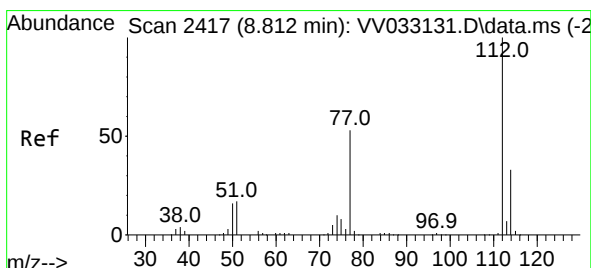
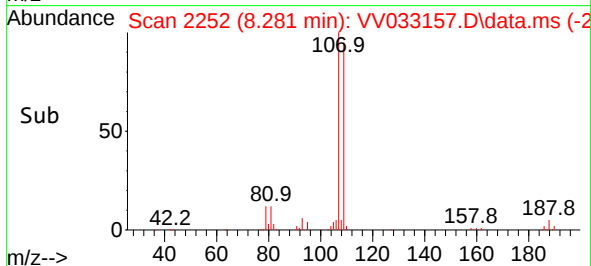
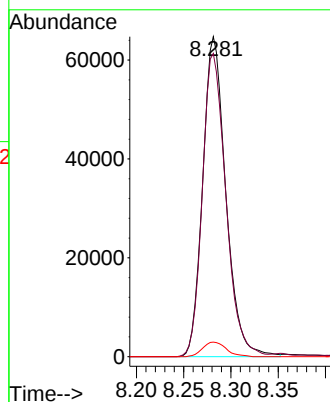
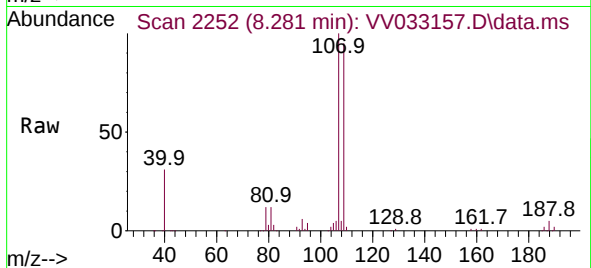
Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	110246
Ion	Ratio	Lower Upper
107	100	
109	94.7	65.2 121.2
188	4.6	3.8 5.6



#51

Chlorobenzene

Concen: 49.928 ug/L

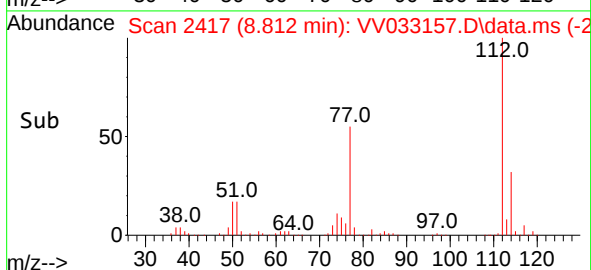
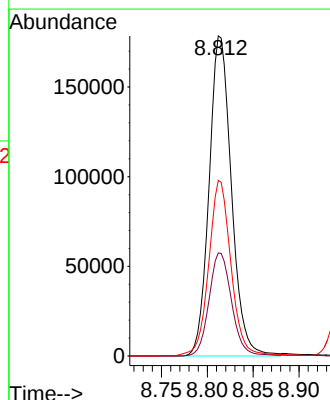
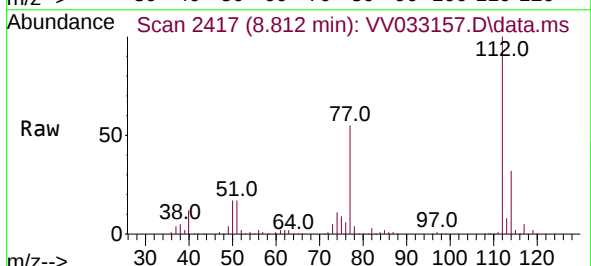
RT: 8.812 min Scan# 2417

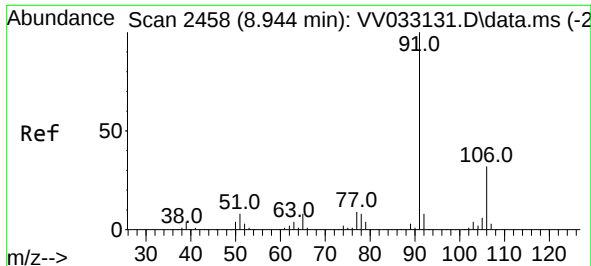
Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Tgt Ion:112	Resp:	302173
Ion	Ratio	Lower Upper
112	100	
114	32.2	22.9 42.5
77	54.9	42.6 64.0

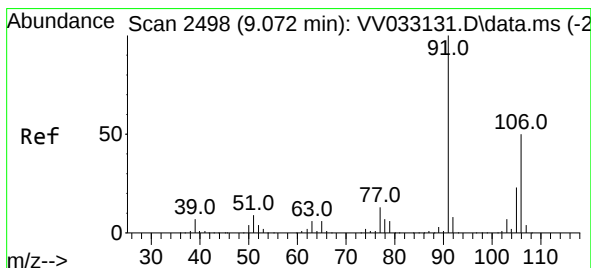
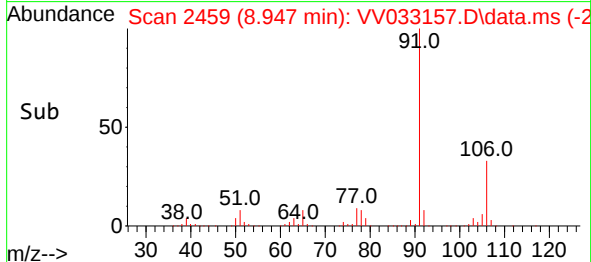
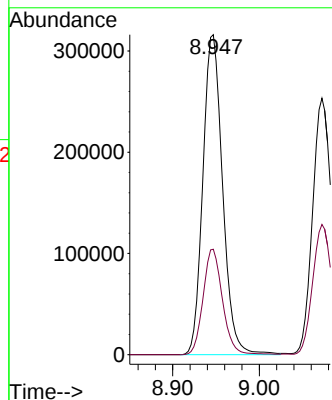
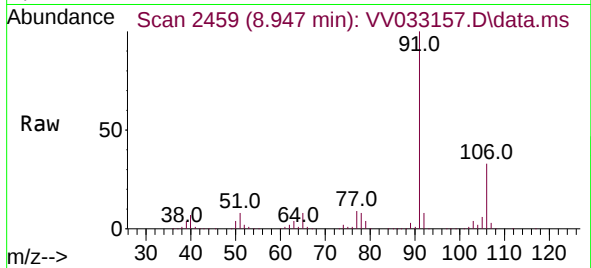




#52
Ethylbenzene
Concen: 50.605 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

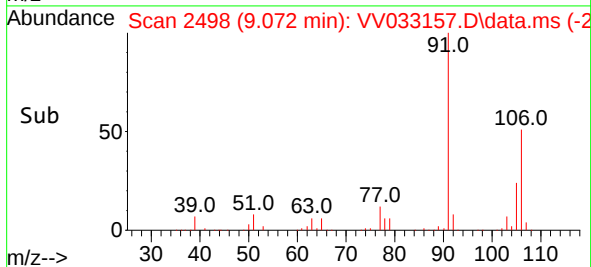
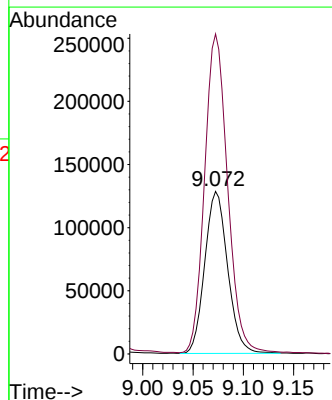
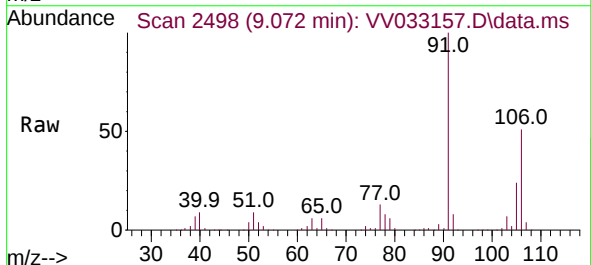
Instrument :
MSVOA_V
ClientSampleId :

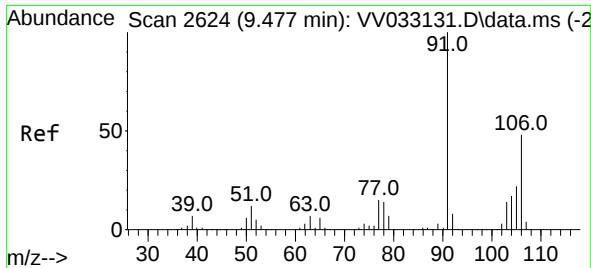
Tgt Ion: 91 Resp: 501314
Ion Ratio Lower Upper
91 100
106 32.9 22.6 42.0



#53
m,p-Xylene
Concen: 51.815 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

Tgt Ion: 106 Resp: 203276
Ion Ratio Lower Upper
106 100
91 196.8 145.2 269.6

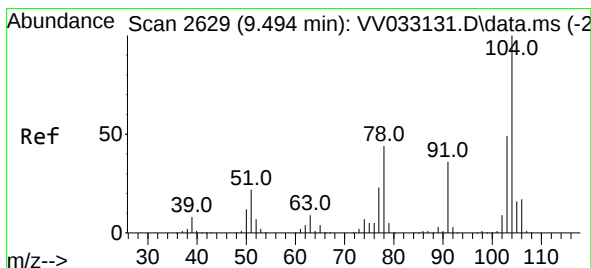
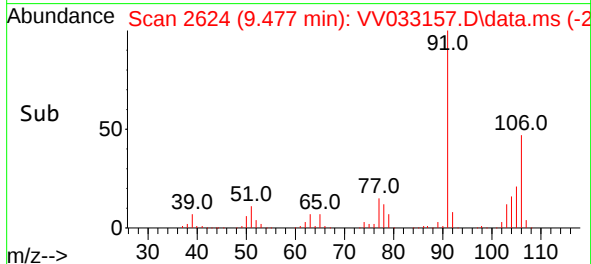
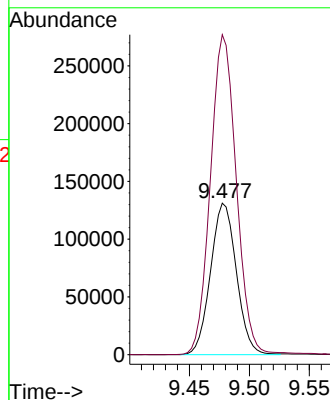
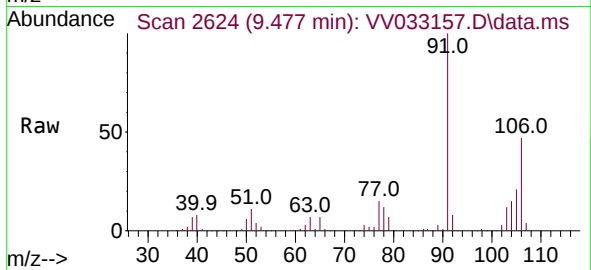




#54
o-Xylene
Concen: 50.763 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

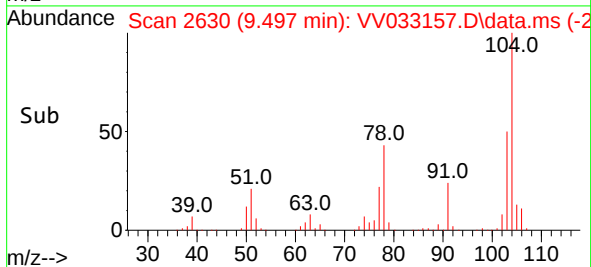
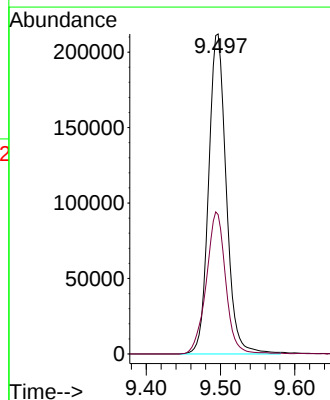
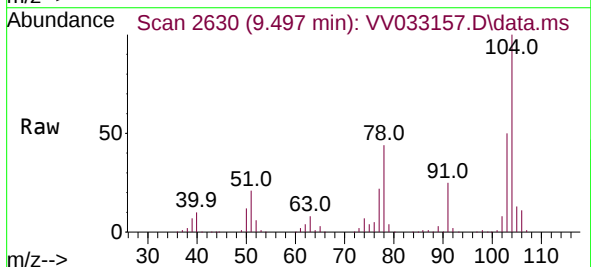
Instrument :
MSVOA_V
ClientSampleId :

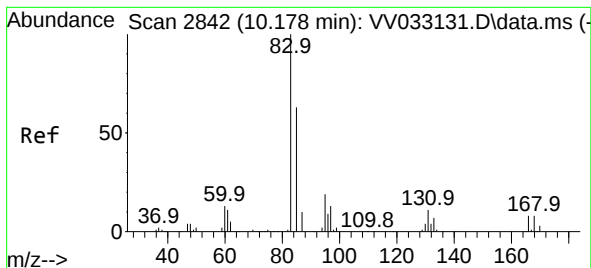
Tgt Ion:106 Resp: 196515
Ion Ratio Lower Upper
106 100
91 211.3 147.8 274.6



#55
Styrene
Concen: 52.269 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

Tgt Ion:104 Resp: 350039
Ion Ratio Lower Upper
104 100
78 43.6 30.2 56.0

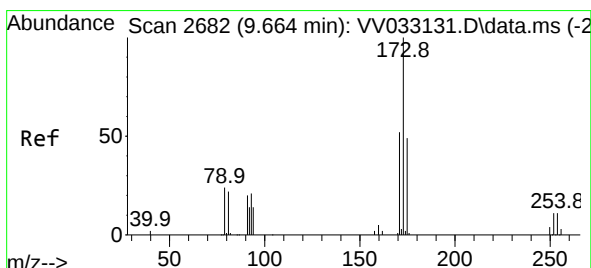
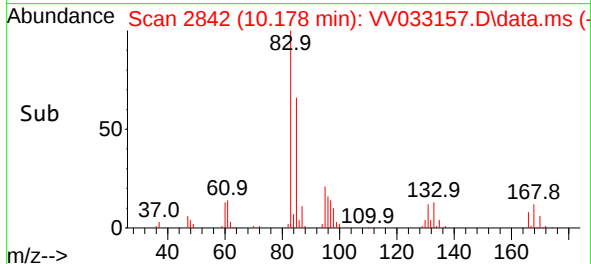
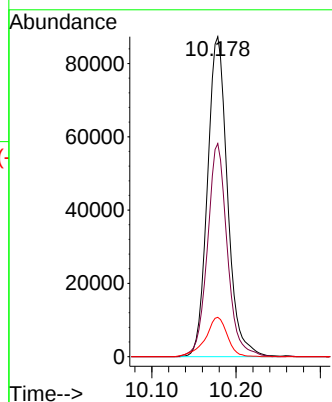
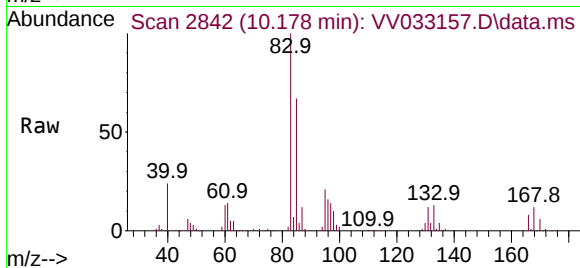




#57
1,1,2,2-Tetrachloroethane
Concen: 51.610 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

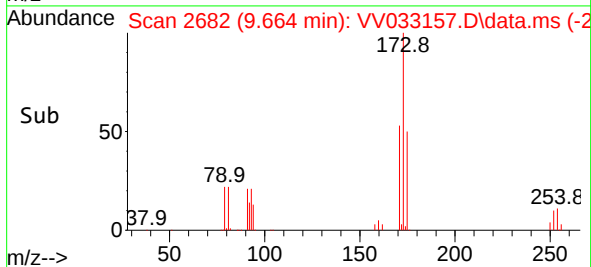
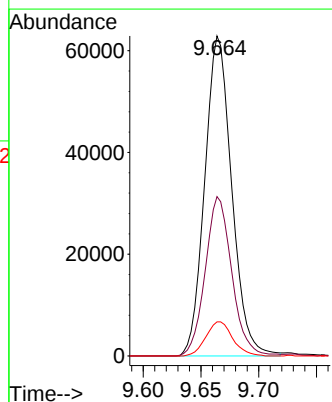
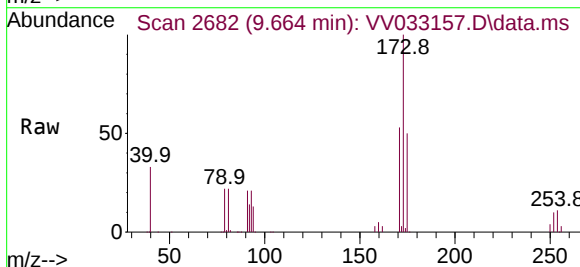
Instrument :
MSVOA_V
ClientSampleId :

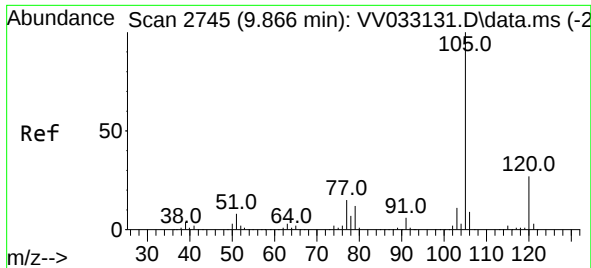
Tgt Ion: 83 Resp: 144513
Ion Ratio Lower Upper
83 100
85 66.6 45.5 84.5
131 12.3 9.7 14.5



#59
Bromoform
Concen: 51.250 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

Tgt Ion: 173 Resp: 102299
Ion Ratio Lower Upper
173 100
175 48.8 38.7 58.1
254 10.6 8.0 12.0

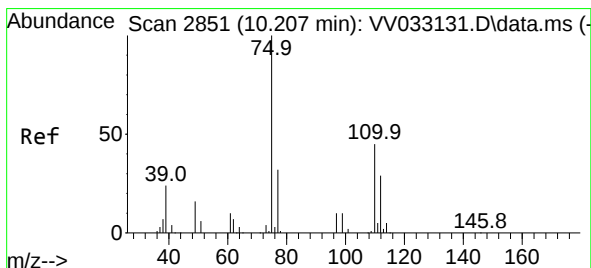
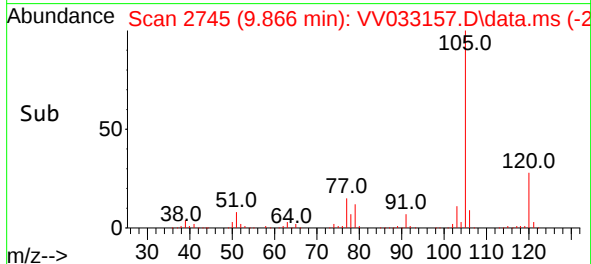
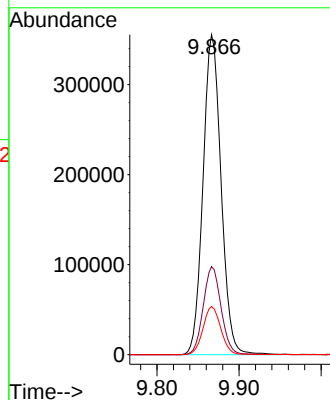
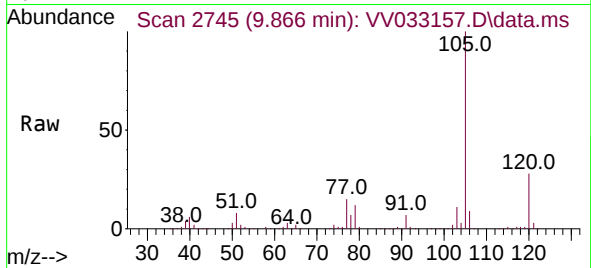




#60
Isopropylbenzene
Concen: 51.264 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

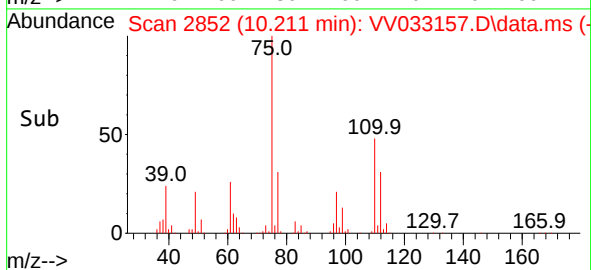
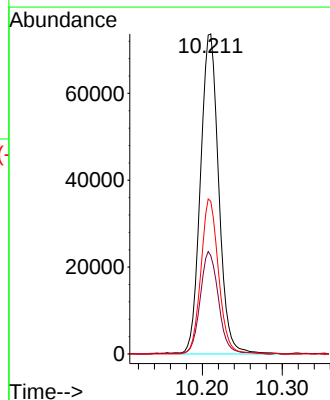
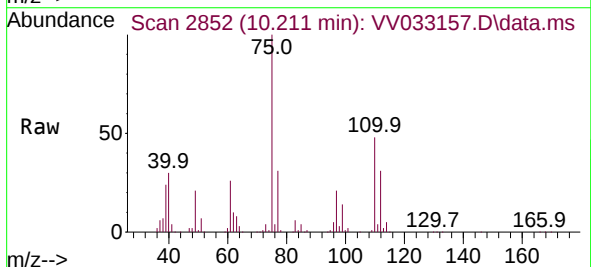
Instrument :
MSVOA_V
ClientSampleId :

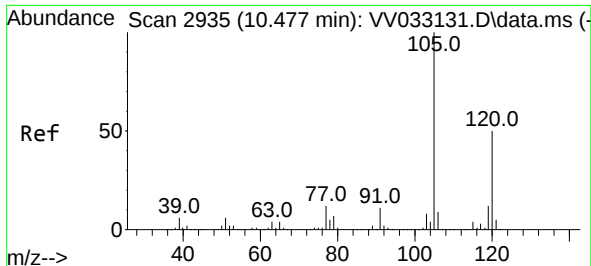
Tgt Ion:105 Resp: 543624
Ion Ratio Lower Upper
105 100
120 27.2 21.3 31.9
77 14.7 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 51.121 ug/L
RT: 10.211 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV033157.D
Acq: 07 Dec 2023 19:17

Tgt Ion: 75 Resp: 117236
Ion Ratio Lower Upper
75 100
77 32.1 27.0 40.6
110 46.8 38.1 57.1





#62

1,3,5-Trimethylbenzene

Concen: 51.304 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

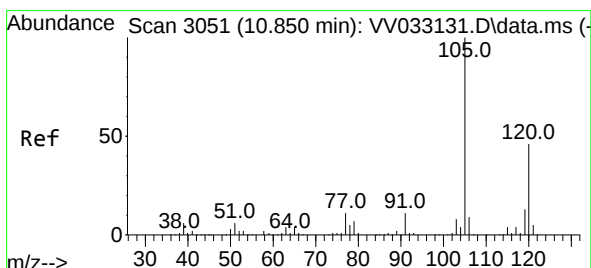
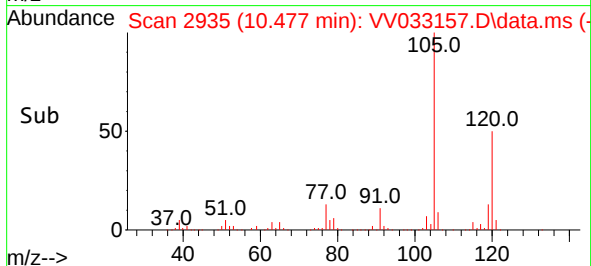
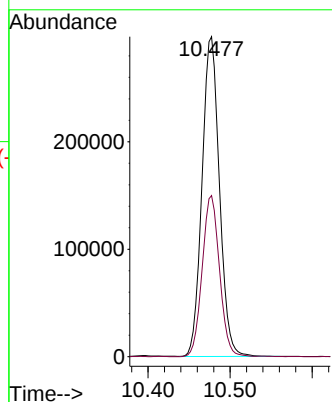
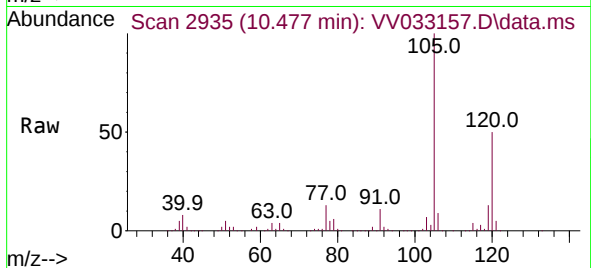
ClientSampleId :

Tgt Ion:105 Resp: 438333

Ion Ratio Lower Upper

105 100

120 50.1 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 51.205 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV033157.D

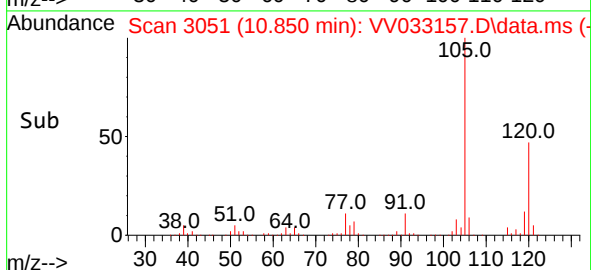
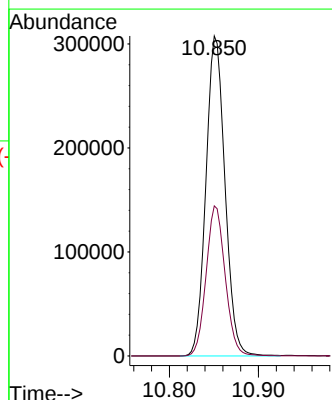
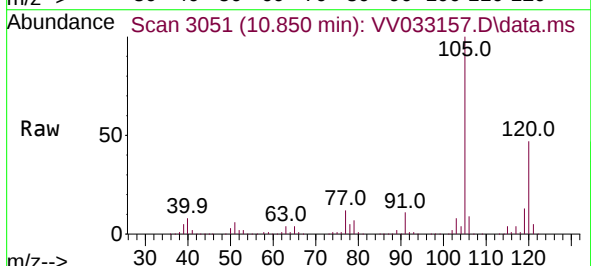
Acq: 07 Dec 2023 19:17

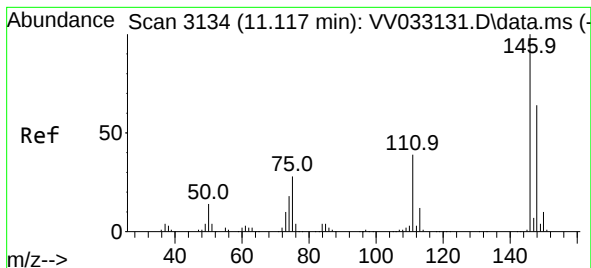
Tgt Ion:105 Resp: 455616

Ion Ratio Lower Upper

105 100

120 47.0 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 50.070 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

ClientSampleId :

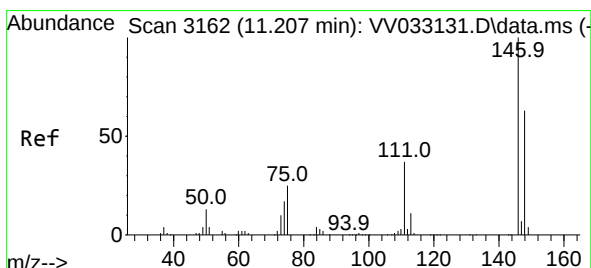
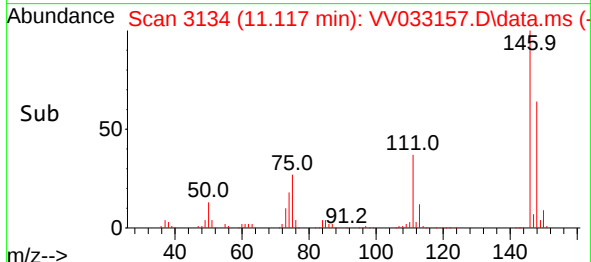
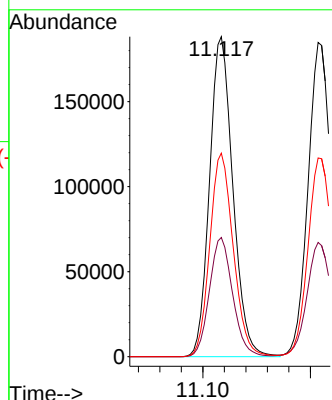
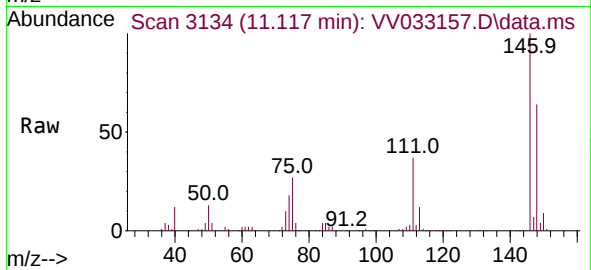
Tgt Ion:146 Resp: 283661

Ion Ratio Lower Upper

146 100

111 37.2 26.2 48.6

148 63.6 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 48.931 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

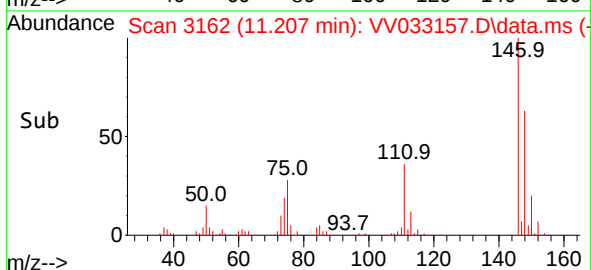
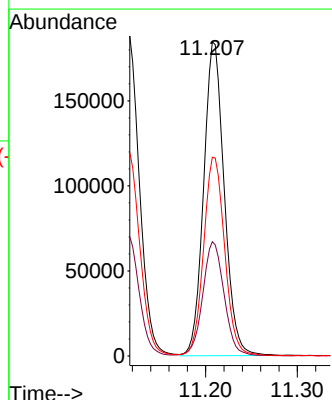
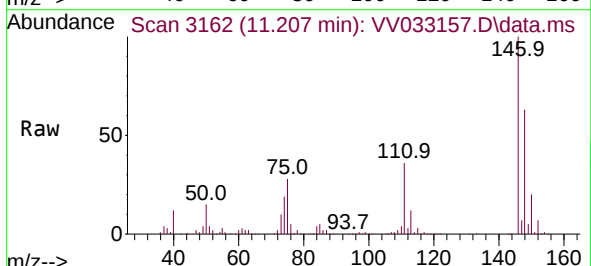
Tgt Ion:146 Resp: 287956

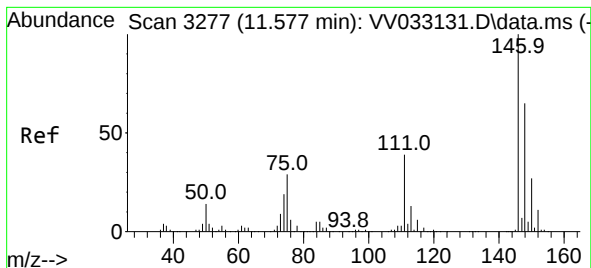
Ion Ratio Lower Upper

146 100

111 36.3 25.9 48.1

148 63.2 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 50.950 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

ClientSampleId :

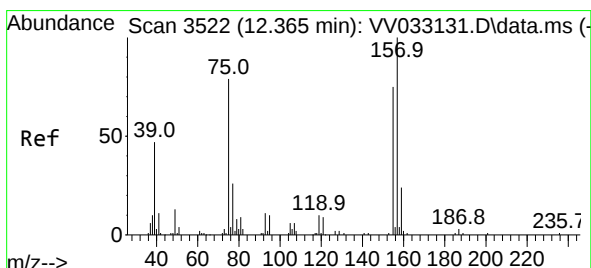
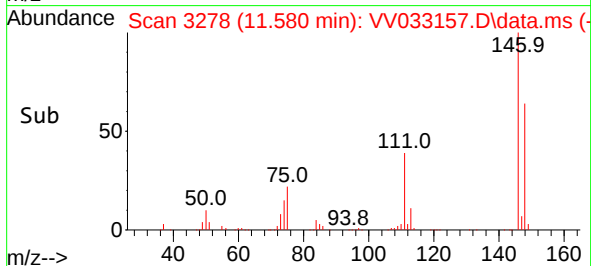
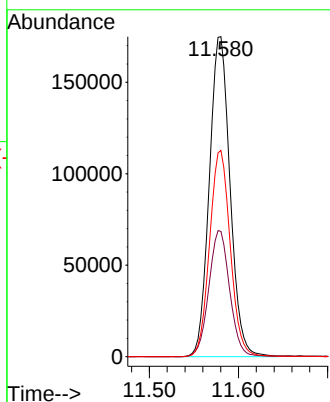
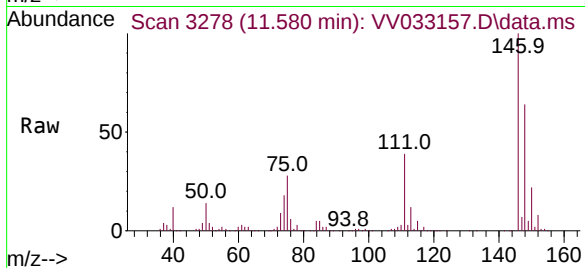
Tgt Ion:146 Resp: 282979

Ion Ratio Lower Upper

146 100

111 39.2 32.4 48.6

148 64.4 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 48.351 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

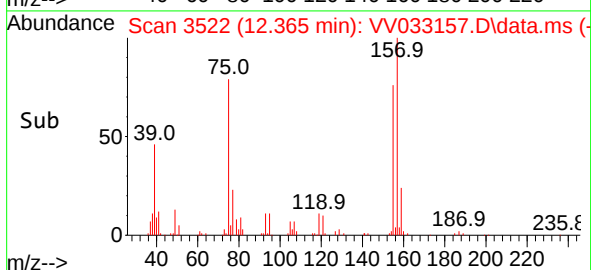
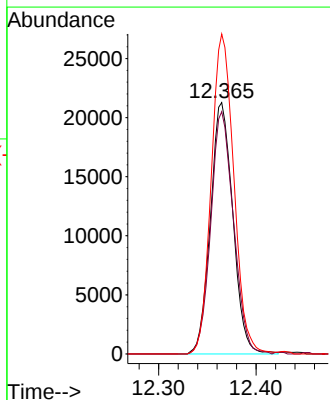
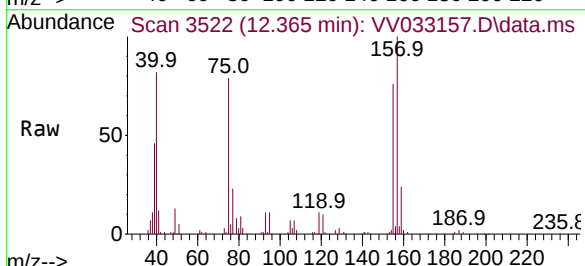
Tgt Ion: 75 Resp: 34023

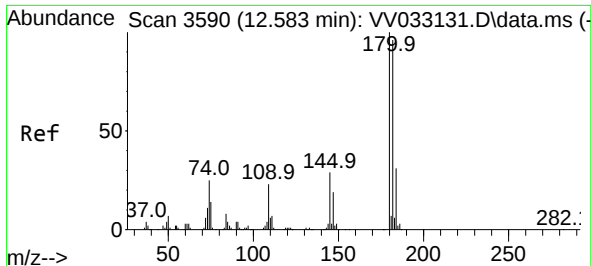
Ion Ratio Lower Upper

75 100

155 96.4 75.8 113.6

157 127.3 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 48.017 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

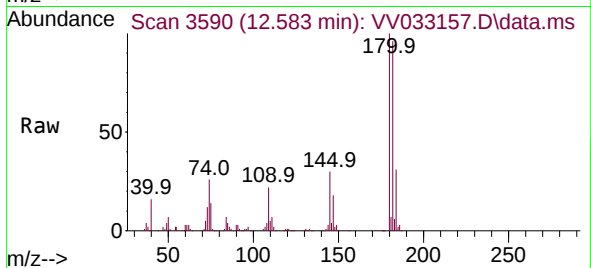
Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 217898

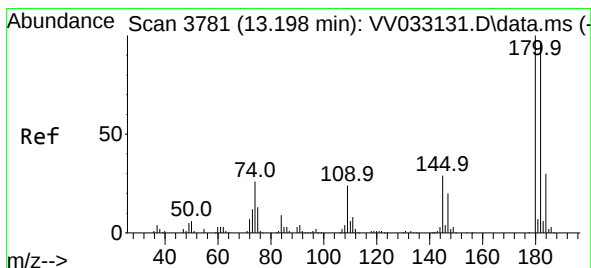
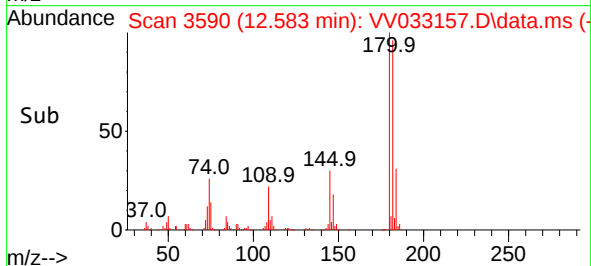
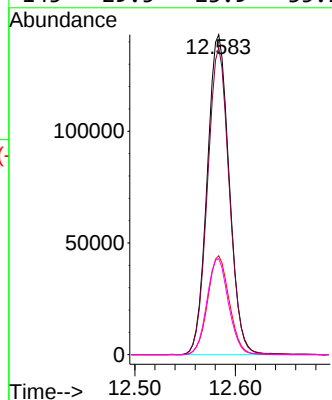
Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.4

184 30.3 24.2 36.4

145 29.5 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 48.431 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

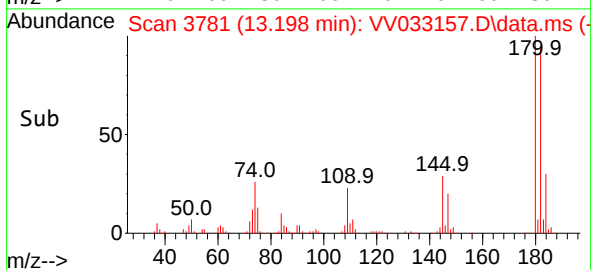
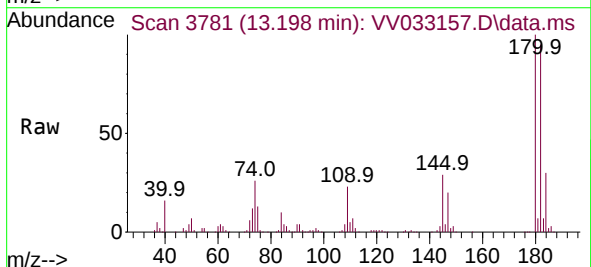
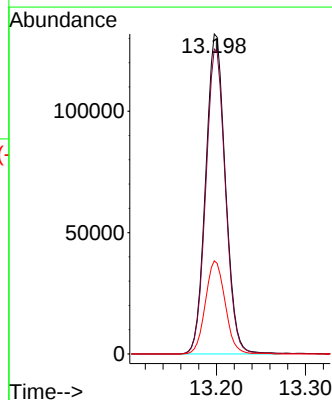
Tgt Ion:180 Resp: 203049

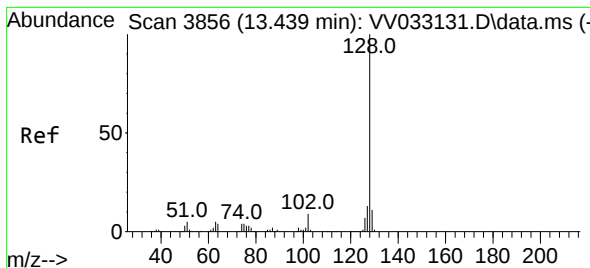
Ion Ratio Lower Upper

180 100

182 94.6 76.3 114.5

145 29.0 23.4 35.0





#71

Naphthalene

Concen: 52.217 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Instrument :

MSVOA_V

ClientSampleId :

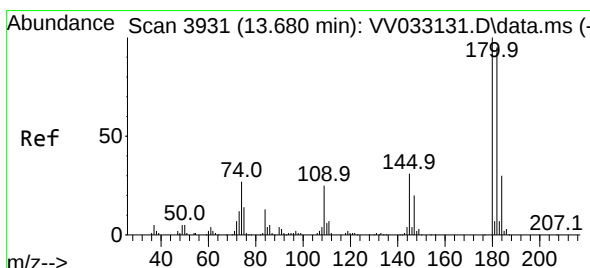
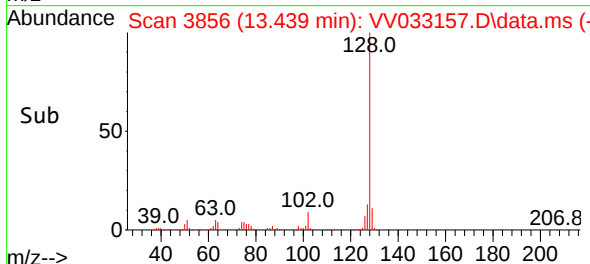
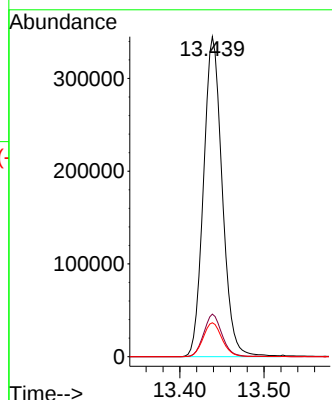
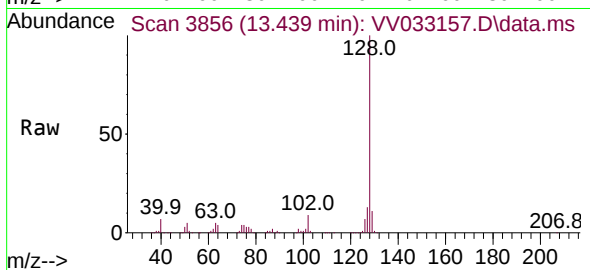
Tgt Ion:128 Resp: 533893

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 50.753 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033157.D

Acq: 07 Dec 2023 19:17

Tgt Ion:180 Resp: 205323

Ion Ratio Lower Upper

180 100

182 97.1 75.2 112.8

145 32.1 24.9 37.3

