

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122123\
 Data File : VW033525.D
 Acq On : 21 Dec 2023 11:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 22 01:43:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 21 01:43:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	252780	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	264622	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	144413	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	92449	47.492	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.980%
7) Chloroethane-d5	1.532	69	83177	47.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.220%
11) 1,1-Dichloroethene-d2	2.060	65	42296	43.648	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.300%
21) 2-Butanone-d5	3.783	46	97057	98.928	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.930%
24) Chloroform-d	4.249	84	189111	49.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.220%
26) 1,2-Dichloroethane-d4	4.941	65	119262	50.418	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.840%
32) Benzene-d6	4.960	84	348354	48.877	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.760%
36) 1,2-Dichloropropane-d6	5.985	67	107997	49.928	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.860%
41) Toluene-d8	7.243	98	319598	49.007	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.020%
43) trans-1,3-Dichloroprop...	7.551	79	47976	45.256	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.520%
47) 2-Hexanone-d5	8.024	63	66522	91.433	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.430%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	147295	47.378	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.760%
66) 1,2-Dichlorobenzene-d4	11.561	152	122727	45.224	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	100634	48.457	ug/L	98
3) Chloromethane	1.214	50	105681	55.274	ug/L	99
5) Vinyl chloride	1.285	62	109088	53.222	ug/L	98
6) Bromomethane	1.487	94	69316	47.244	ug/L	99
8) Chloroethane	1.548	64	75079	54.259	ug/L	98
9) Trichlorofluoromethane	1.716	101	171197	47.632	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	100830	48.086	ug/L	98
12) 1,1-Dichloroethene	2.072	96	86705	48.675	ug/L	90
13) Acetone	2.111	43	94746	83.197	ug/L	99
14) Carbon disulfide	2.243	76	228980	50.302	ug/L	99
15) Methyl Acetate	2.371	43	95304	58.597	ug/L	92
16) Methylene chloride	2.445	84	105091	52.824	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	88430	52.521	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	276402	54.058	ug/L	99
19) 1,1-Dichloroethane	3.111	63	187925	58.236	ug/L	97
20) cis-1,2-Dichloroethene	3.812	96	95303	49.923	ug/L	87
22) 2-Butanone	3.863	43	113051	100.761	ug/L	95
23) Bromochloromethane	4.146	128	52663	50.329	ug/L	86
25) Chloroform	4.275	83	199553	54.950	ug/L	99

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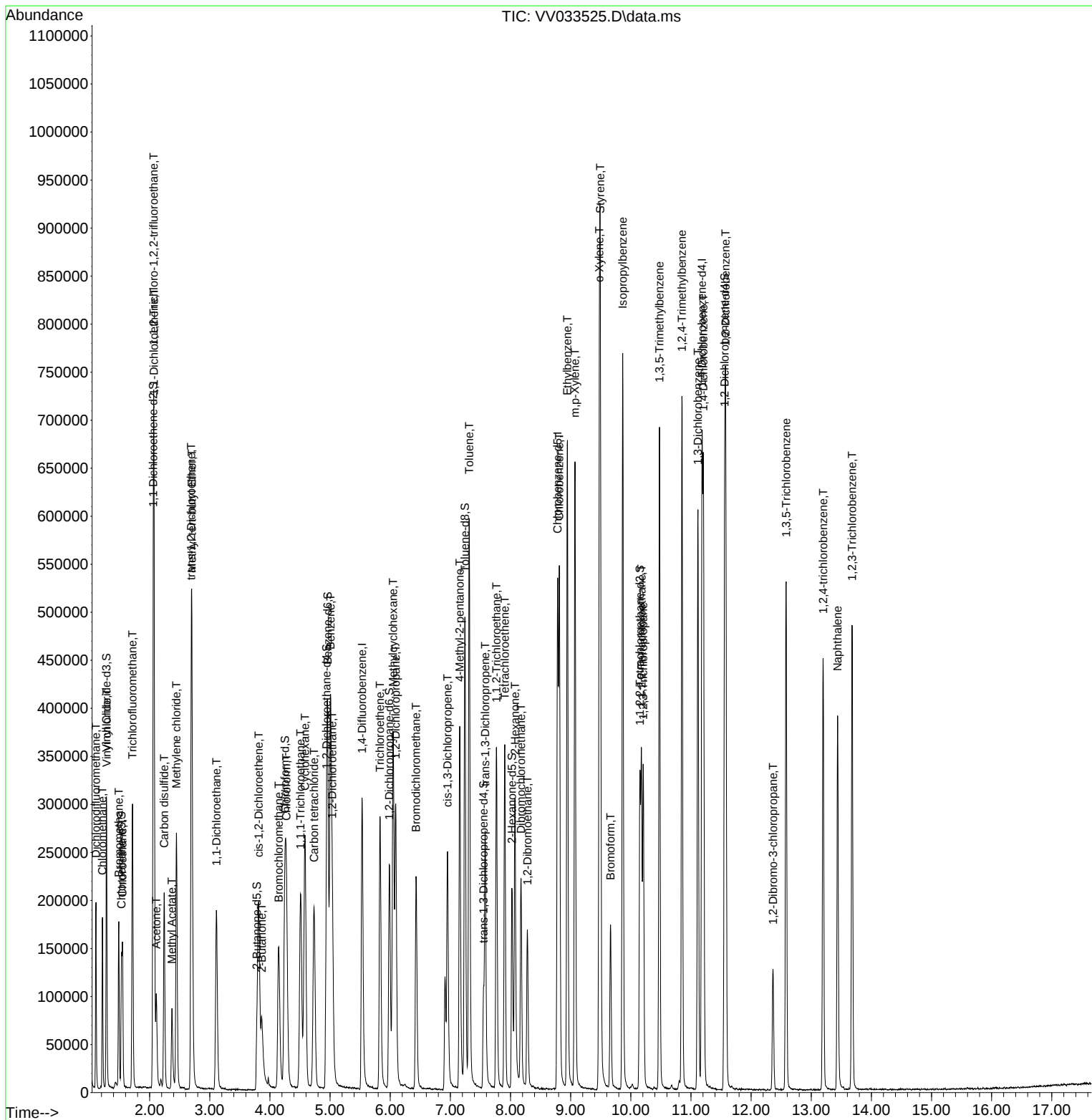
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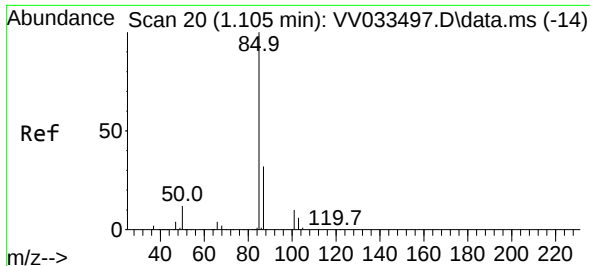
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	157419	56.235	ug/L	99
29) Cyclohexane	4.584	56	129868	54.452	ug/L	93
30) 1,1,1-Trichloroethane	4.510	97	167026	51.122	ug/L	98
31) Carbon tetrachloride	4.735	117	143499	49.078	ug/L	99
33) Benzene	5.008	78	397279	56.326	ug/L	100
34) Trichloroethene	5.831	95	100370	51.870	ug/L	94
35) Methylcyclohexane	6.050	83	141172	50.866	ug/L	94
37) 1,2-Dichloropropane	6.092	63	111585	58.336	ug/L	99
38) Bromodichloromethane	6.429	83	146931	53.371	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	141177	50.734	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	248027	121.508	ug/L	96
42) Toluene	7.313	91	422590	56.528	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	146832	52.583	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	105884	53.110	ug/L	98
46) Tetrachloroethene	7.905	164	74086	48.999	ug/L	96
48) 2-Hexanone	8.075	43	183862	107.994	ug/L	98
49) Dibromochloromethane	8.175	129	106070	50.315	ug/L	98
50) 1,2-Dibromoethane	8.281	107	105295	51.236	ug/L	97
51) Chlorobenzene	8.812	112	274847	51.016	ug/L	95
52) Ethylbenzene	8.947	91	449369	53.975	ug/L	99
53) m,p-Xylene	9.072	106	171757	54.910	ug/L	96
54) o-Xylene	9.477	106	163109	53.703	ug/L	97
55) Styrene	9.493	104	309932	57.820	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	161137	52.626	ug/L	98
59) Bromoform	9.664	173	70401	47.252	ug/L	99
60) Isopropylbenzene	9.866	105	448387	54.677	ug/L	98
61) 1,2,3-Trichloropropane	10.207	75	125593	54.260	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	335885	54.042	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	361089	55.939	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	218645	51.298	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	232399	50.662	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	229768	51.793	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	31714	50.580	ug/L	90
69) 1,3,5-Trichlorobenzene	12.583	180	144716	49.096	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	120520	46.774	ug/L	99
71) Naphthalene	13.439	128	293755	42.373	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	127431	50.562	ug/L	99

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

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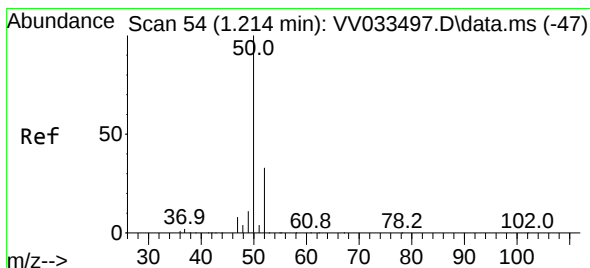
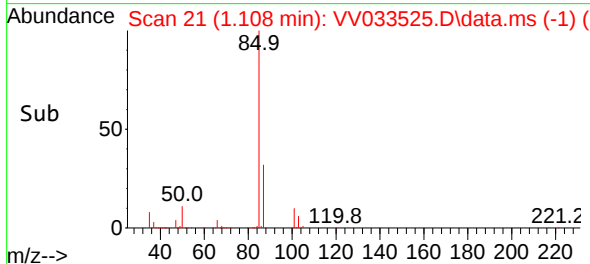
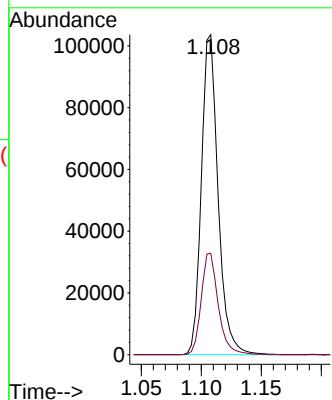
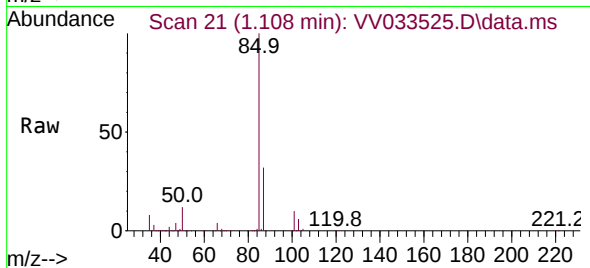




#2
 Dichlorodifluoromethane
 Concen: 48.457 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV033525.D
 Acq: 21 Dec 2023 11:16

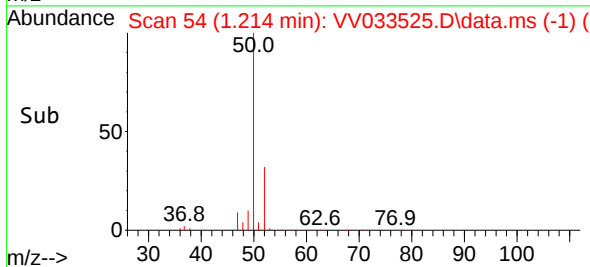
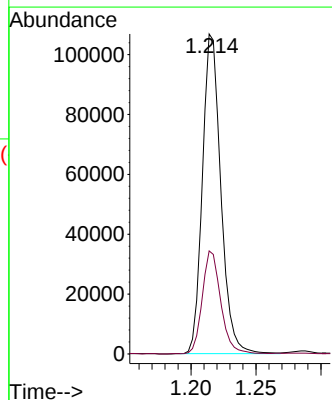
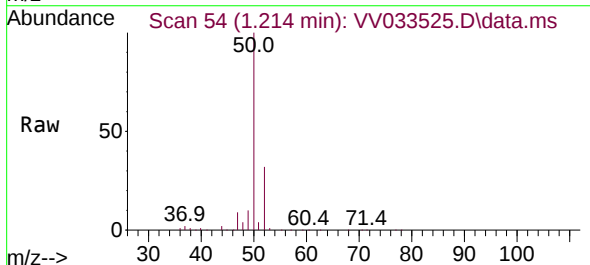
Instrument :
 MSVOA_V
 ClientSampleId :

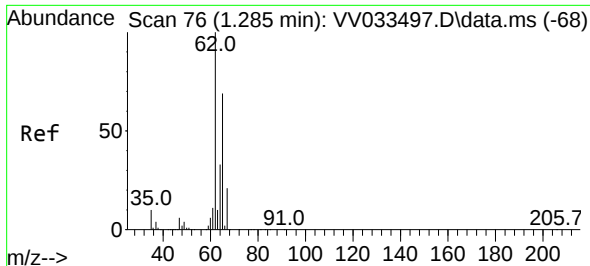
Tgt Ion: 85 Resp: 100634
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.6 39.8



#3
 Chloromethane
 Concen: 55.274 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033525.D
 Acq: 21 Dec 2023 11:16

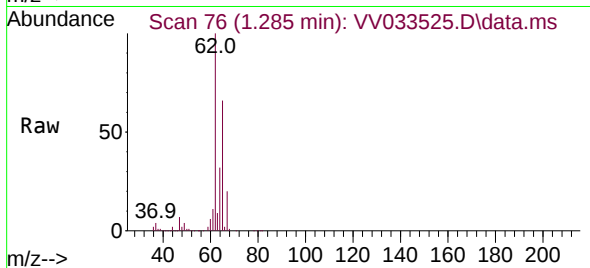
Tgt Ion: 50 Resp: 105681
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.3 41.5



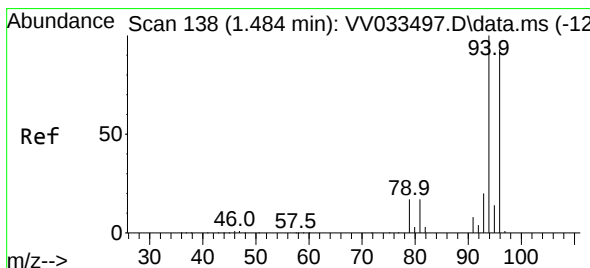
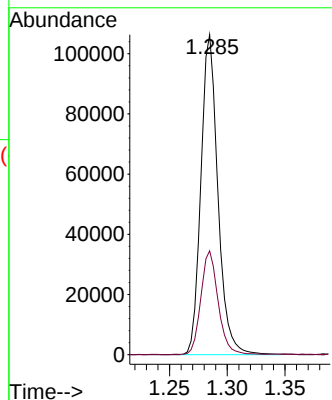
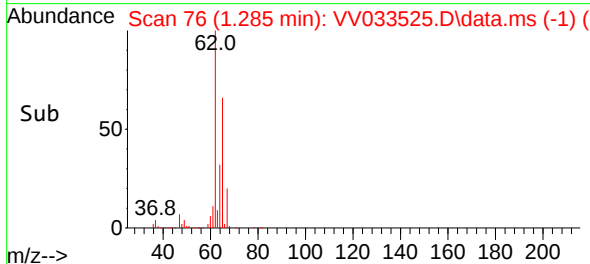


#5
 Vinyl chloride
 Concen: 53.222 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033525.D
 Acq: 21 Dec 2023 11:16

Instrument :
 MSVOA_V
 ClientSampleId :

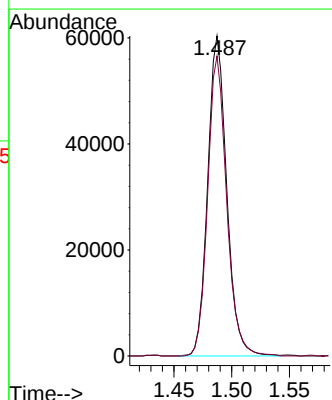
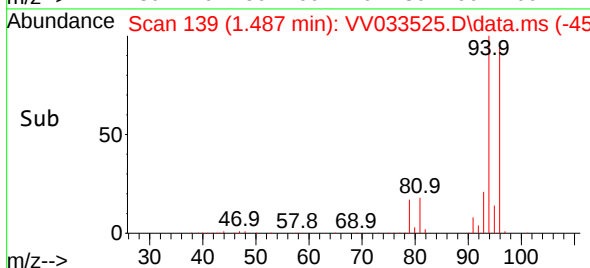
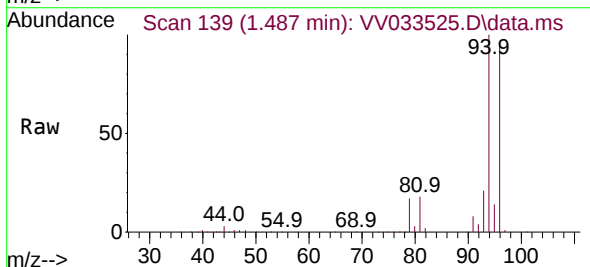


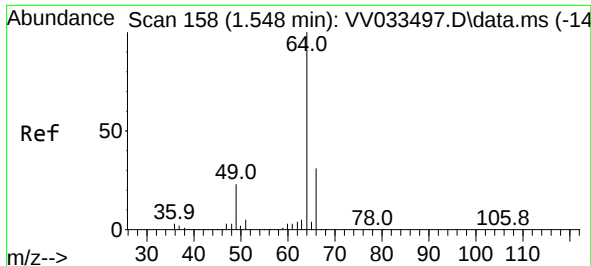
Tgt Ion: 62 Resp: 109088
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.4 43.6



#6
 Bromomethane
 Concen: 47.244 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.003 min
 Lab File: VV033525.D
 Acq: 21 Dec 2023 11:16

Tgt Ion: 94 Resp: 69316
 Ion Ratio Lower Upper
 94 100
 96 93.7 65.1 120.9

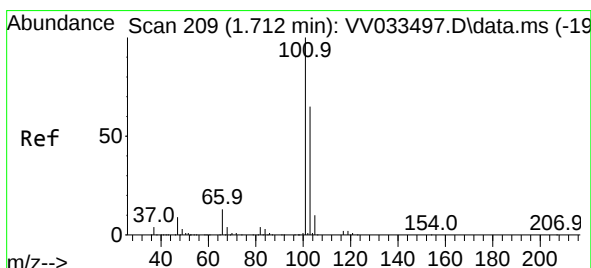
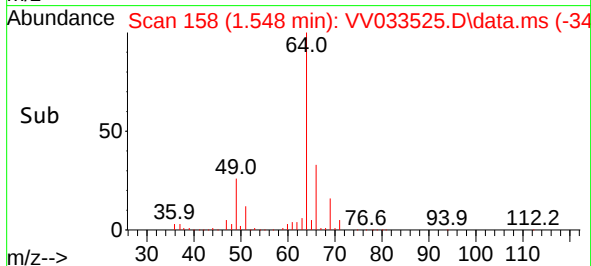
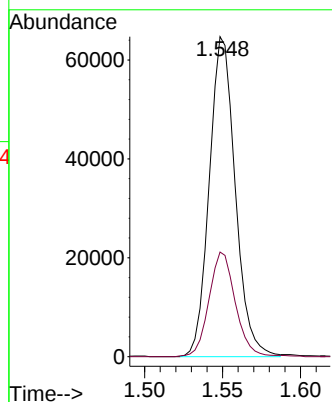
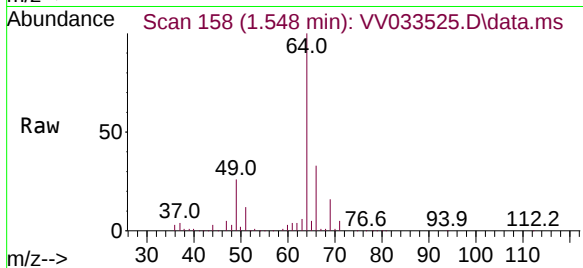




#8
Chloroethane
Concen: 54.259 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

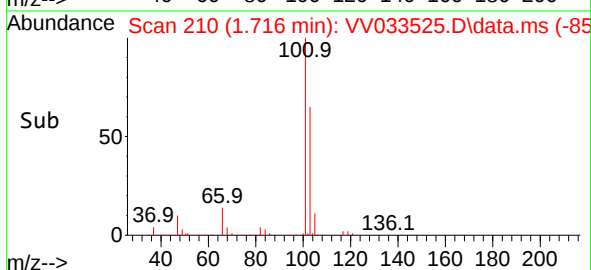
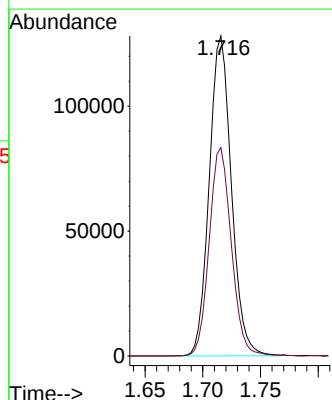
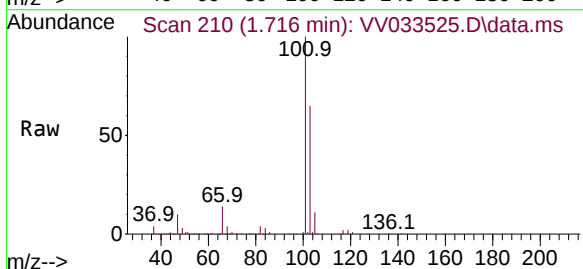
Instrument :
MSVOA_V
ClientSampleId :

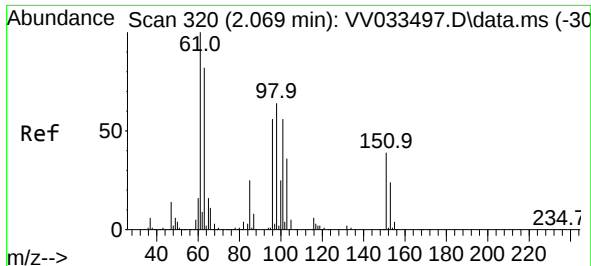
Tgt Ion: 64 Resp: 75079
Ion Ratio Lower Upper
64 100
66 32.7 22.1 41.1



#9
Trichlorofluoromethane
Concen: 47.632 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Tgt Ion:101 Resp: 171197
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.4





#10

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

Concen: 48.086 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

ClientSampleId :

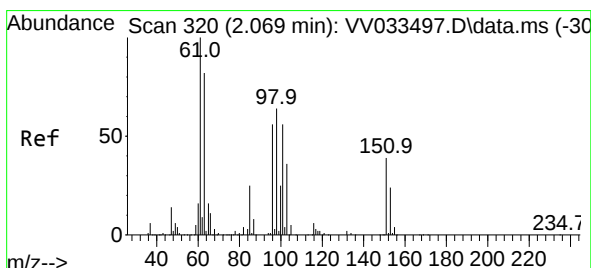
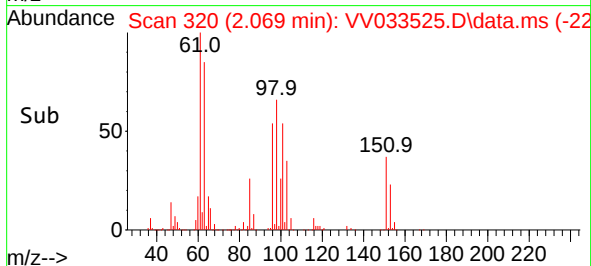
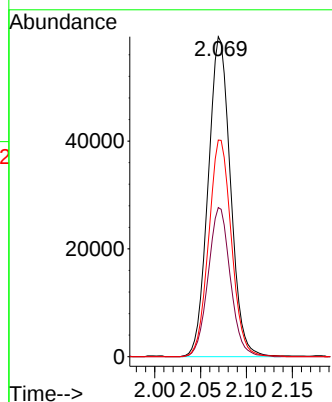
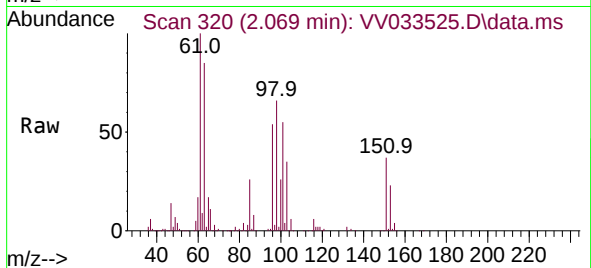
Tgt Ion:101 Resp: 100830

Ion Ratio Lower Upper

101 100

85 46.1 36.6 54.8

151 68.7 57.0 85.6



#12

1,1-Dichloroethene

Concen: 48.675 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

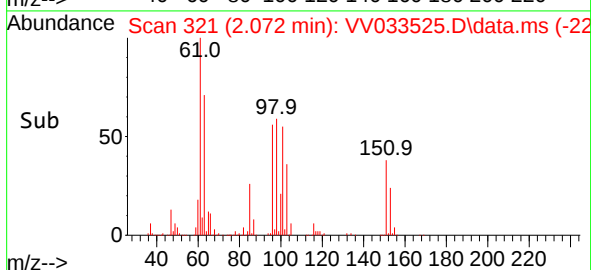
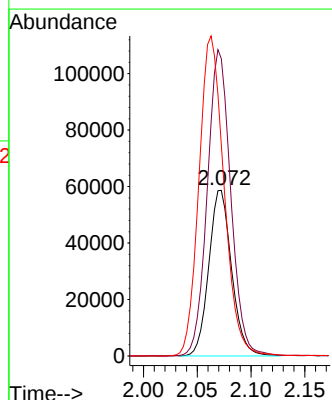
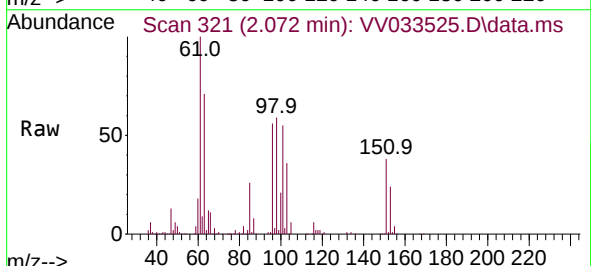
Tgt Ion: 96 Resp: 86705

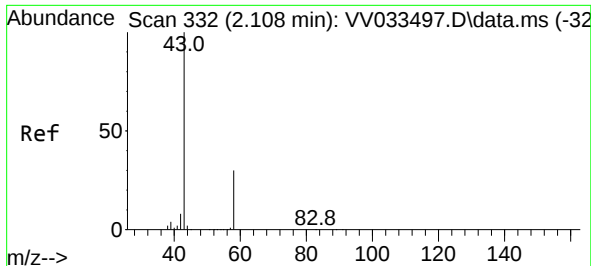
Ion Ratio Lower Upper

96 100

61 179.5 124.3 230.8

63 127.6 108.1 200.7





#13

Acetone

Concen: 83.197 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

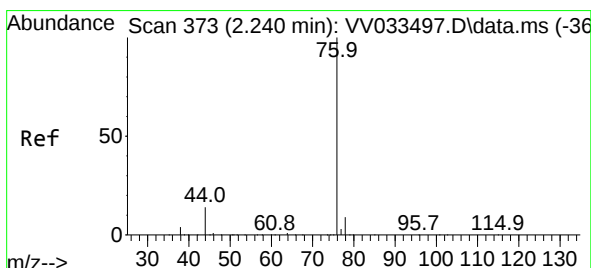
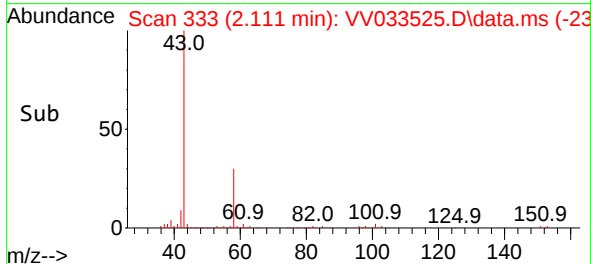
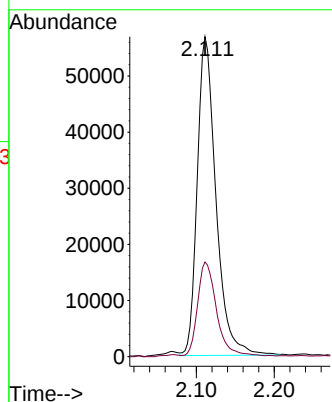
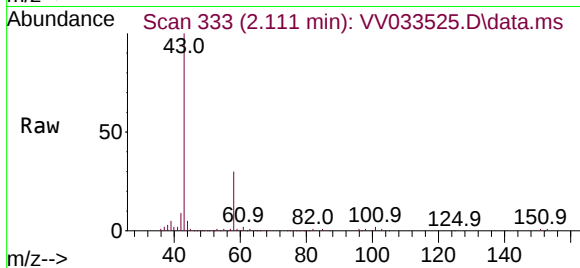
ClientSampleId :

Tgt Ion: 43 Resp: 94746

Ion Ratio Lower Upper

43 100

58 30.4 0.0 59.2



#14

Carbon disulfide

Concen: 50.302 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033525.D

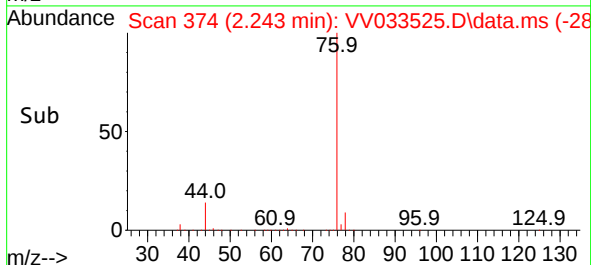
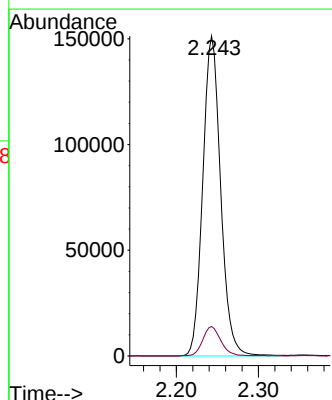
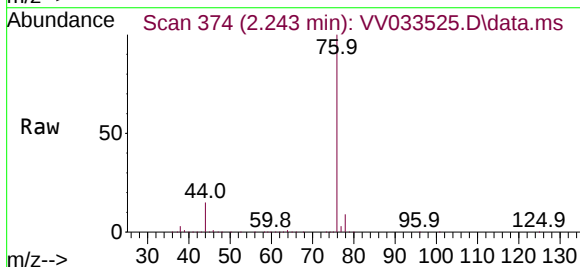
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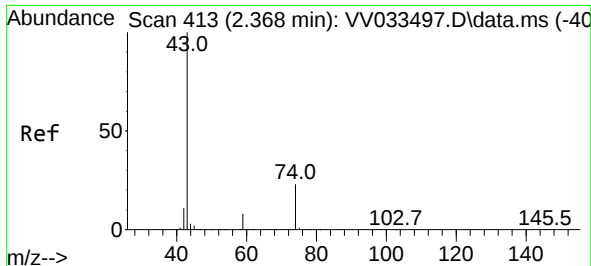
Tgt Ion: 76 Resp: 228980

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

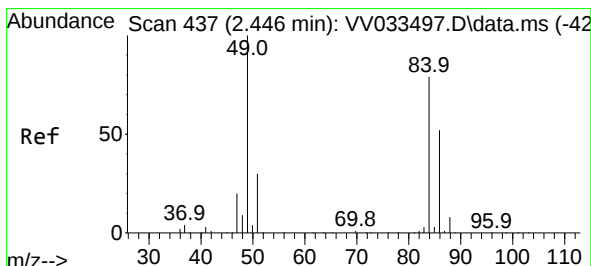
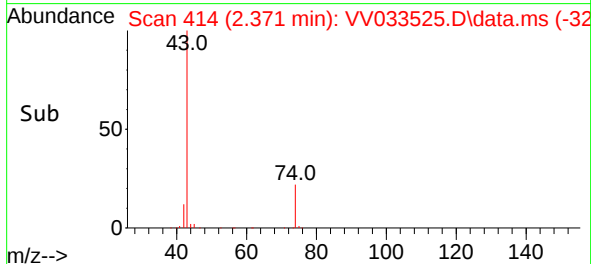
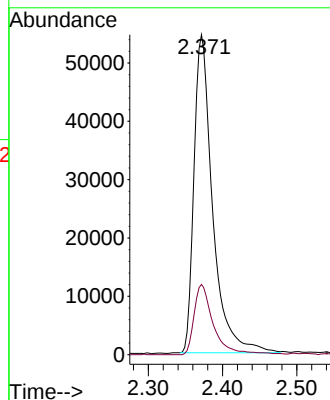
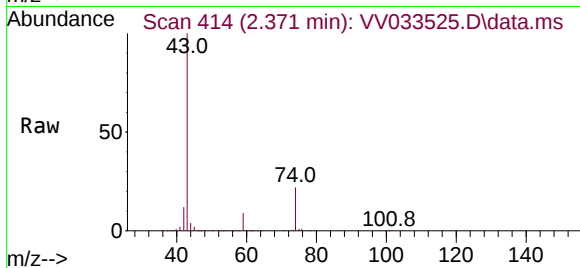




#15
Methyl Acetate
Concen: 58.597 ug/L
RT: 2.371 min Scan# 413
Delta R.T. 0.003 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

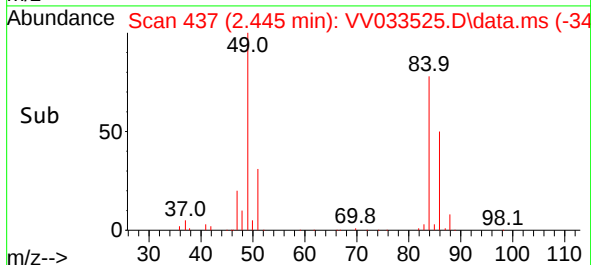
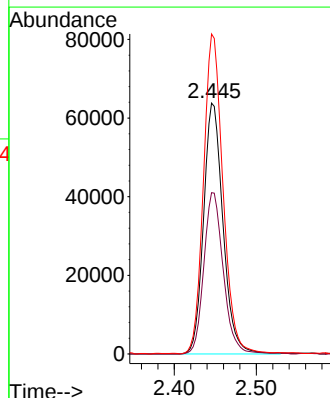
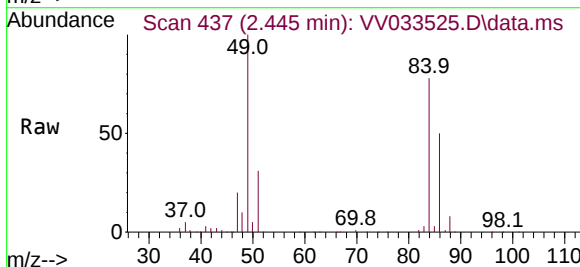
Instrument :
MSVOA_V
ClientSampleId :

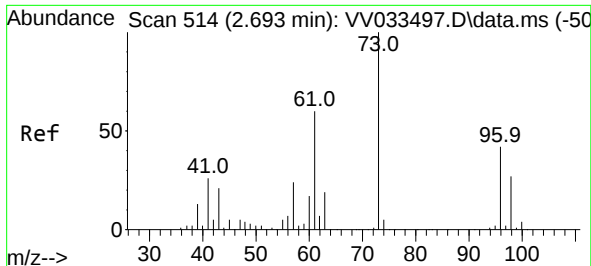
Tgt Ion: 43 Resp: 95304
Ion Ratio Lower Upper
43 100
74 21.9 20.8 31.2



#16
Methylene chloride
Concen: 52.824 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Tgt Ion: 84 Resp: 105091
Ion Ratio Lower Upper
84 100
86 64.2 45.4 84.2
49 127.5 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 52.521 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

ClientSampleId :

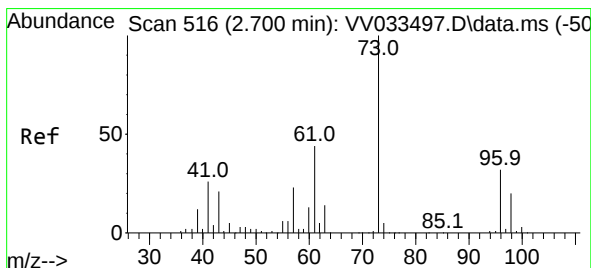
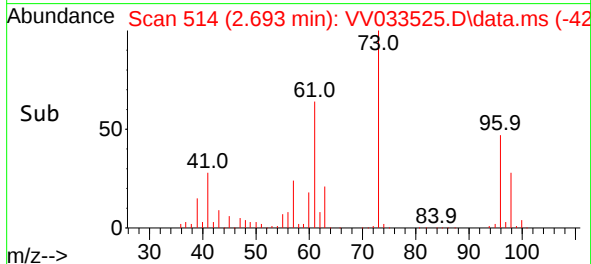
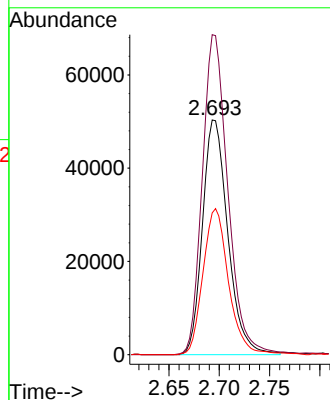
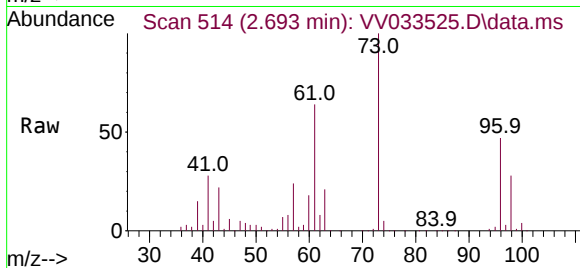
Tgt Ion: 96 Resp: 88430

Ion Ratio Lower Upper

96 100

61 136.3 89.6 166.4

98 60.4 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 54.058 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

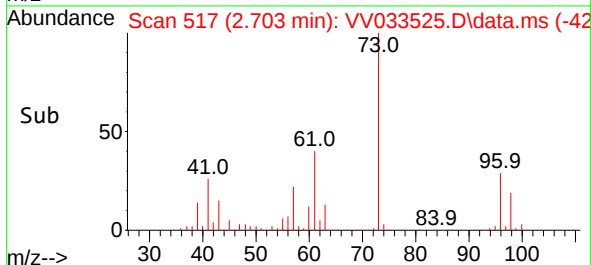
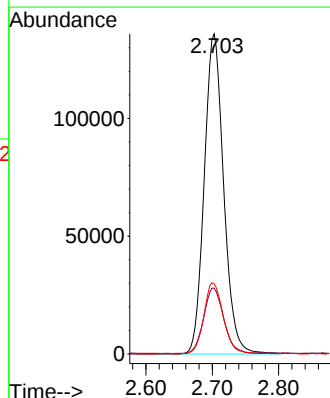
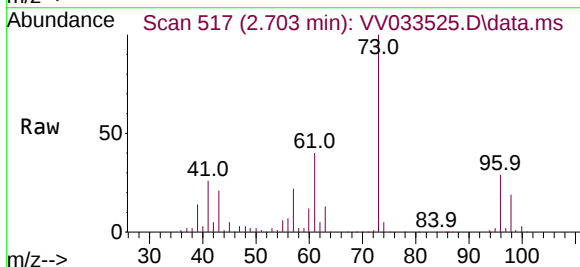
Tgt Ion: 73 Resp: 276402

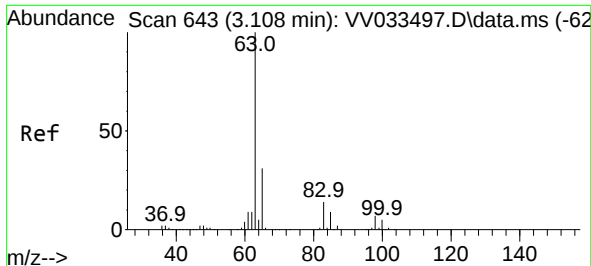
Ion Ratio Lower Upper

73 100

43 20.9 16.3 24.5

57 22.3 17.3 25.9





#19

1,1-Dichloroethane

Concen: 58.236 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

ClientSampleId :

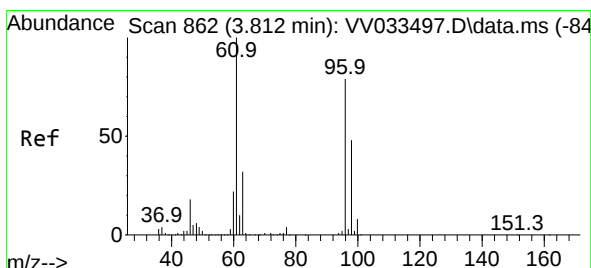
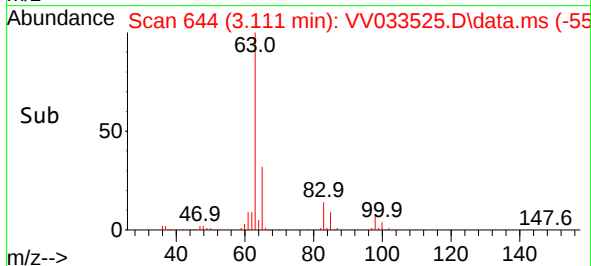
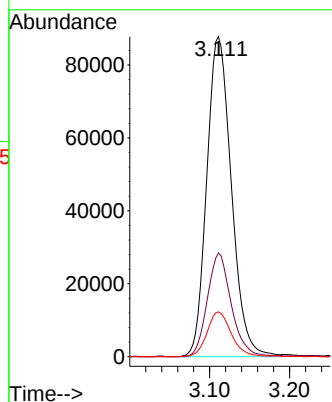
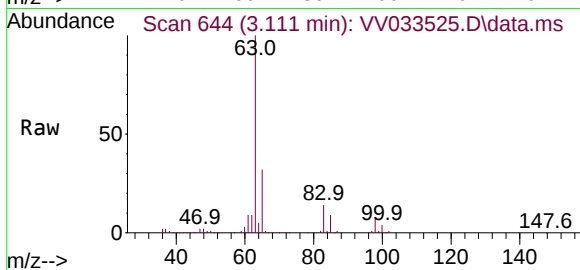
Tgt Ion: 63 Resp: 187925

Ion Ratio Lower Upper

63 100

65 32.4 21.1 39.3

83 14.0 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 49.923 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.000 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

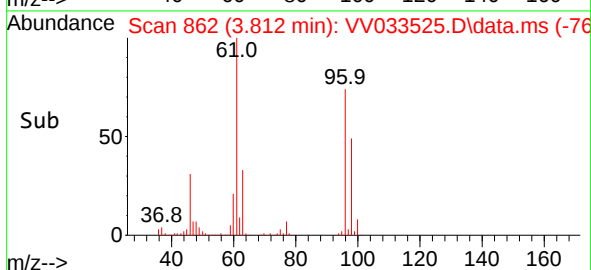
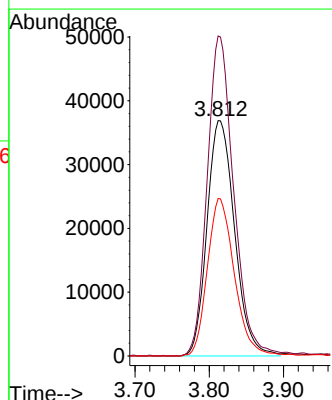
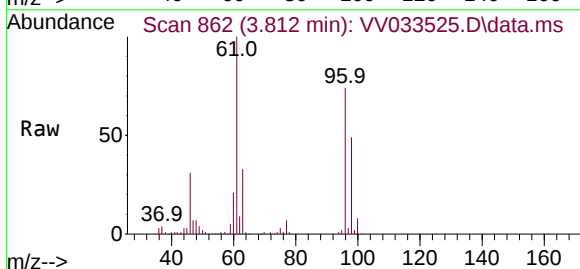
Tgt Ion: 96 Resp: 95303

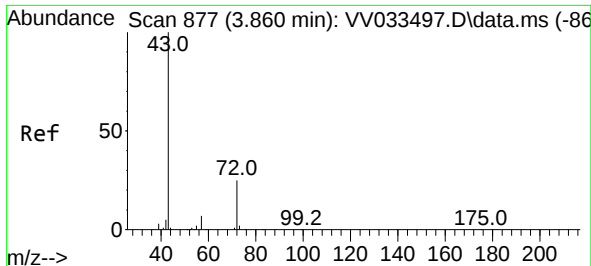
Ion Ratio Lower Upper

96 100

61 136.0 81.9 152.1

98 66.9 44.3 82.3

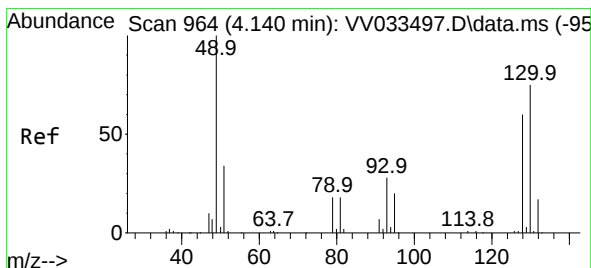
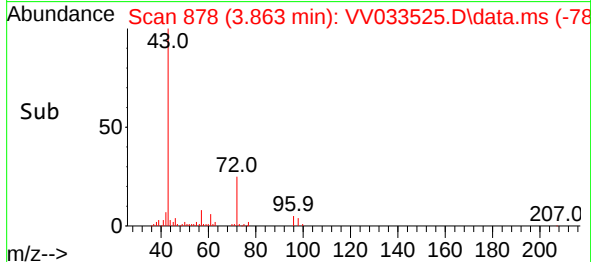
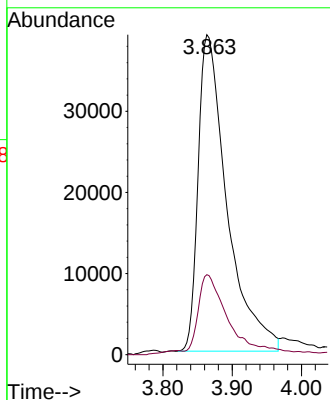
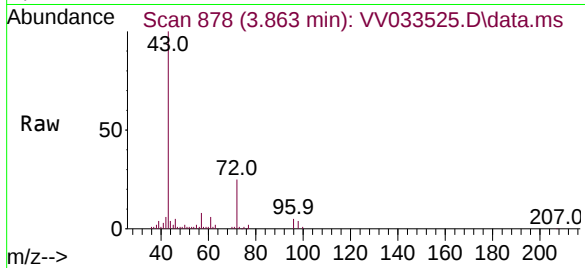




#22
2-Butanone
Concen: 100.761 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

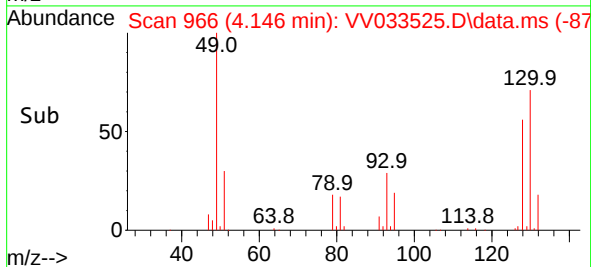
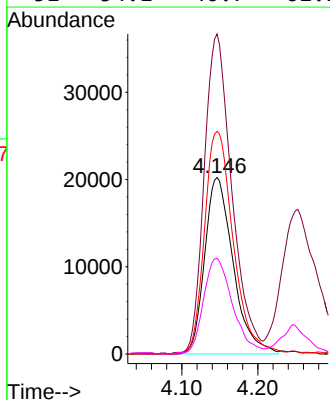
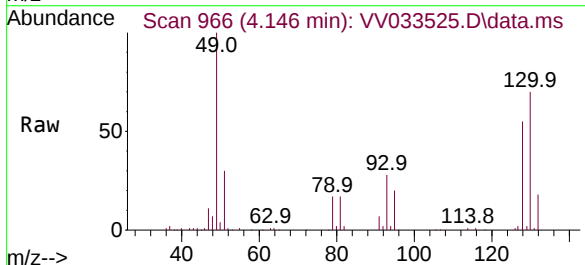
Instrument :
MSVOA_V
ClientSampleId :

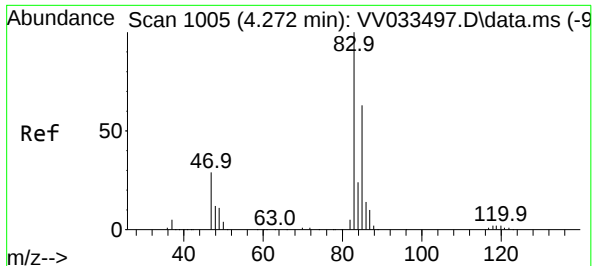
Tgt Ion: 43 Resp: 113051
Ion Ratio Lower Upper
43 100
72 22.5 12.4 37.4



#23
Bromochloromethane
Concen: 50.329 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.006 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Tgt Ion:128 Resp: 52663
Ion Ratio Lower Upper
128 100
49 181.3 106.0 196.9
130 126.1 93.6 173.8
51 54.1 40.7 61.1





#25

Chloroform

Concen: 54.950 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

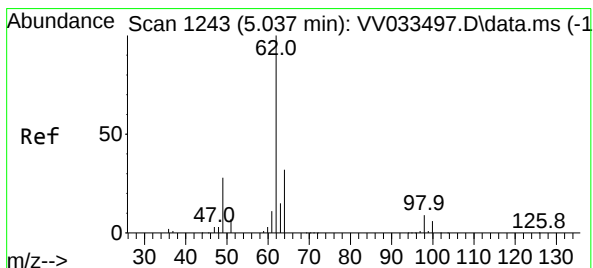
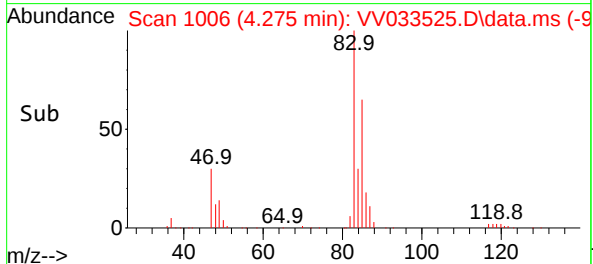
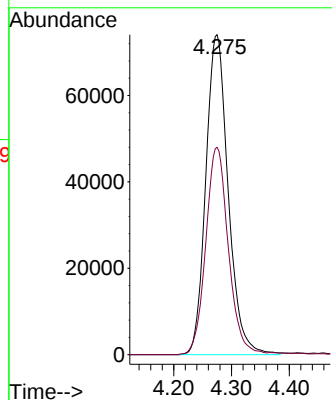
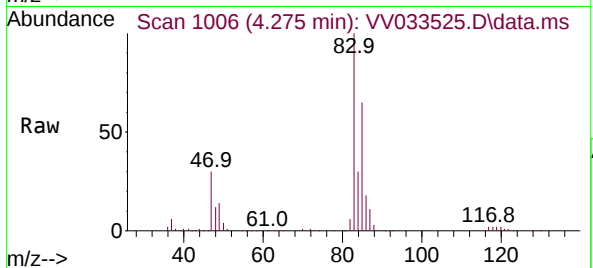
ClientSampleId :

Tgt Ion: 83 Resp: 199553

Ion Ratio Lower Upper

83 100

85 64.8 46.1 85.7



#27

1,2-Dichloroethane

Concen: 56.235 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VV033525.D

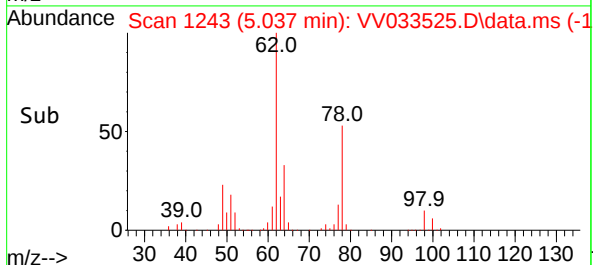
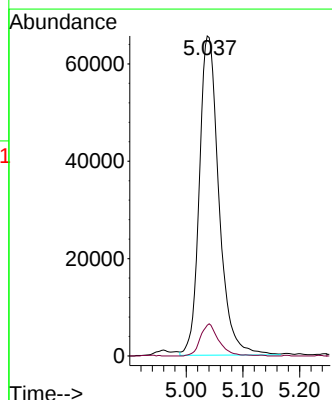
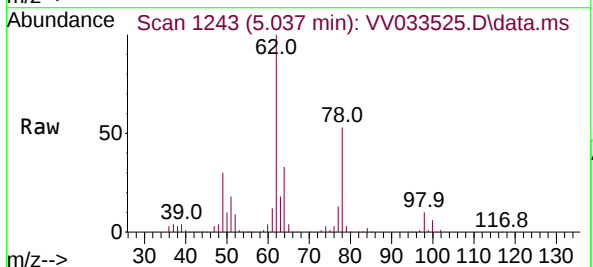
Acq: 21 Dec 2023 11:16

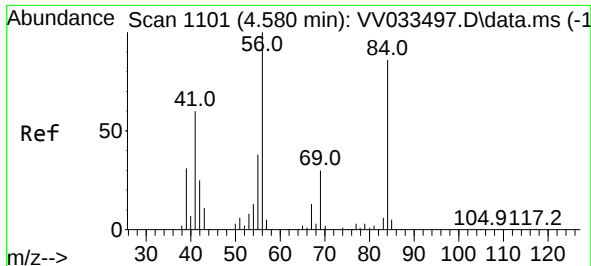
Tgt Ion: 62 Resp: 157419

Ion Ratio Lower Upper

62 100

98 9.6 8.0 12.0





#29

Cyclohexane

Concen: 54.452 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

ClientSampleId :

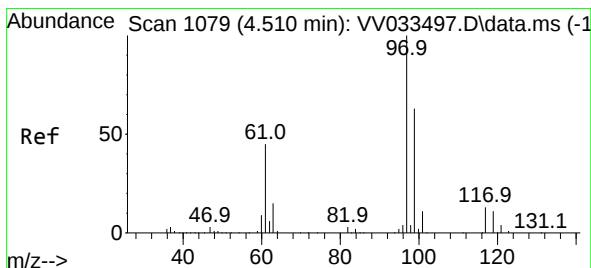
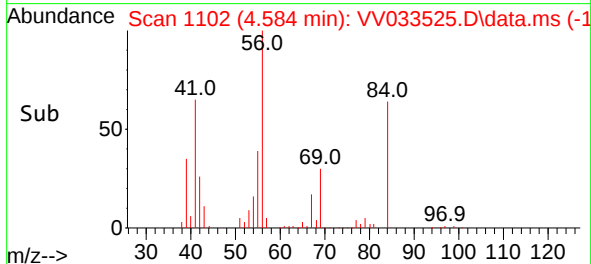
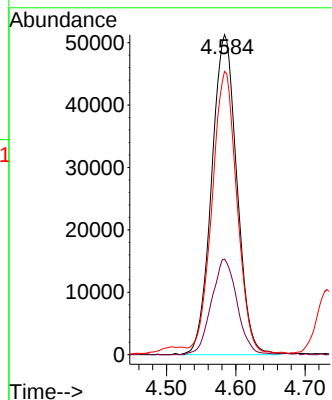
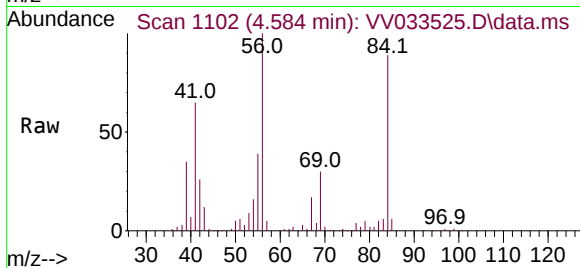
Tgt Ion: 56 Resp: 129868

Ion Ratio Lower Upper

56 100

69 30.2 25.8 38.6

84 86.4 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 51.122 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

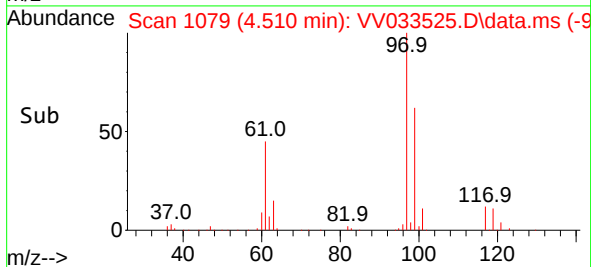
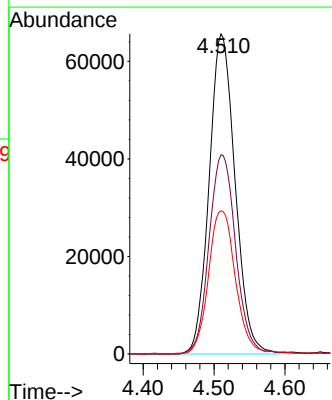
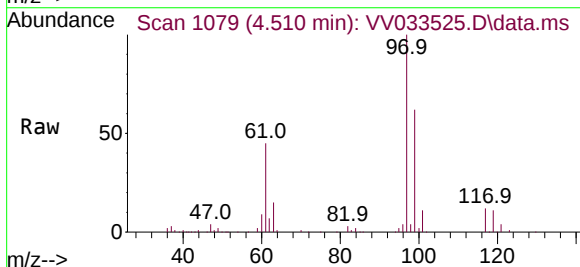
Tgt Ion: 97 Resp: 167026

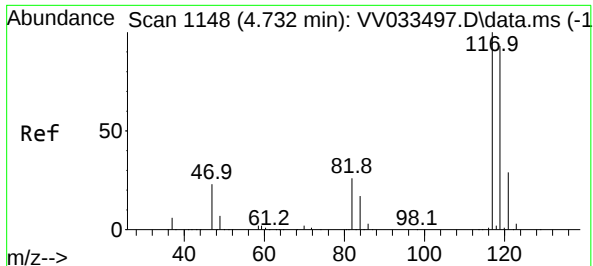
Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.6

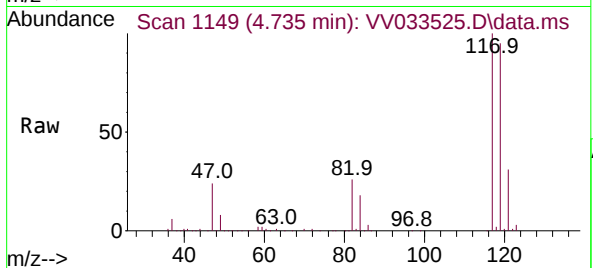
61 45.8 34.8 52.2



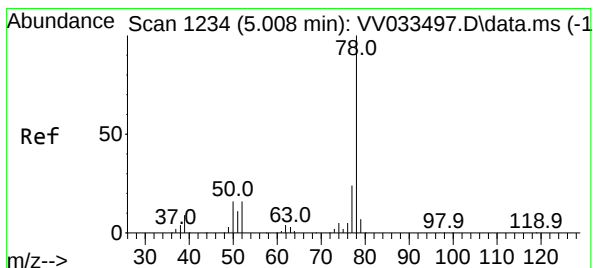
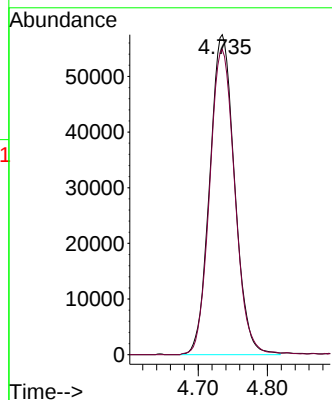
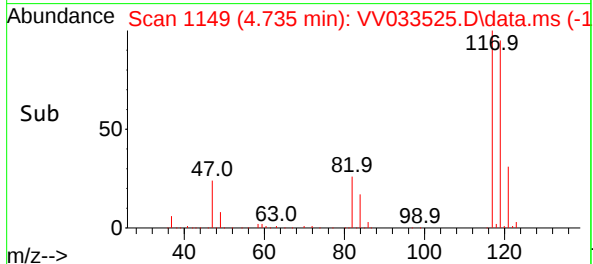


#31
Carbon tetrachloride
Concen: 49.078 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Instrument :
MSVOA_V
ClientSampleId :

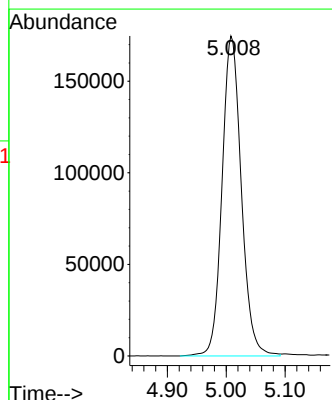
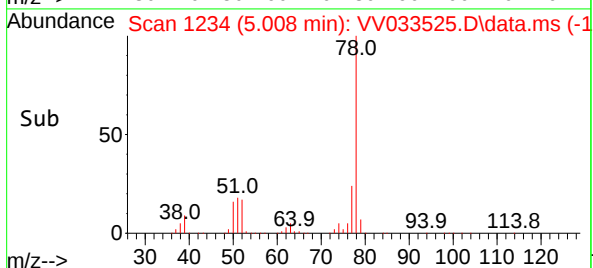
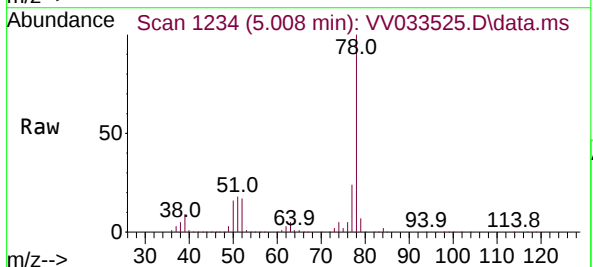


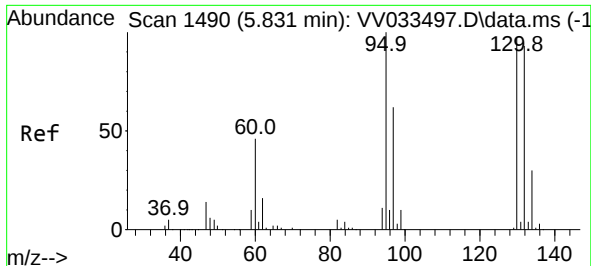
Tgt Ion:117 Resp: 143499
Ion Ratio Lower Upper
117 100
119 96.0 77.8 116.6



#33
Benzene
Concen: 56.326 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Tgt Ion: 78 Resp: 397279

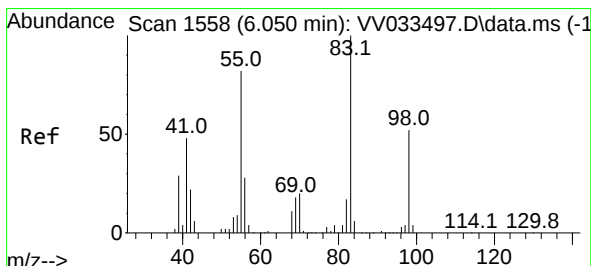
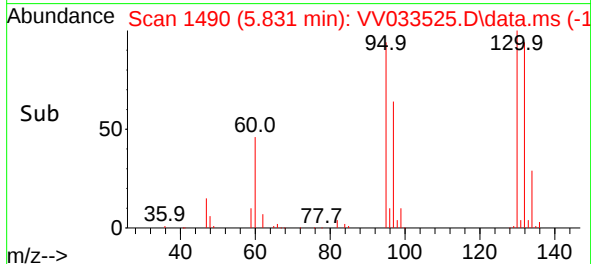
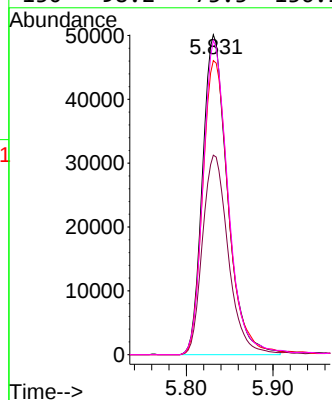
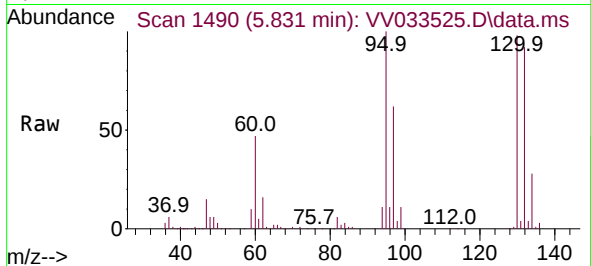




#34
Trichloroethene
Concen: 51.870 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

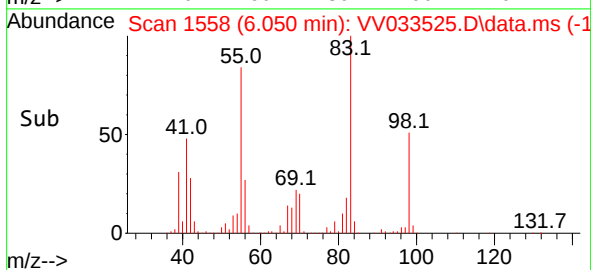
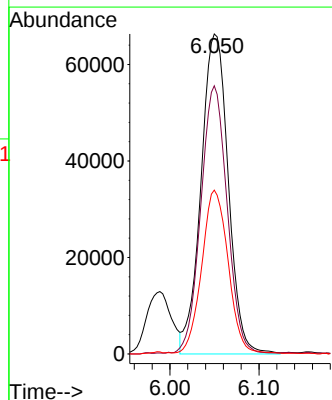
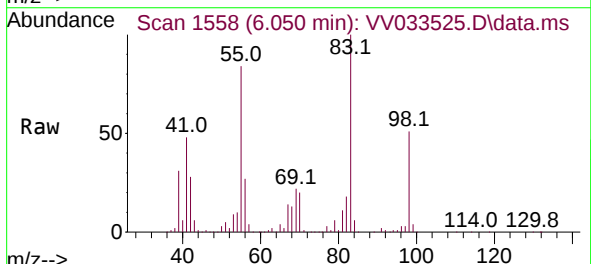
Instrument :
MSVOA_V
ClientSampleId :

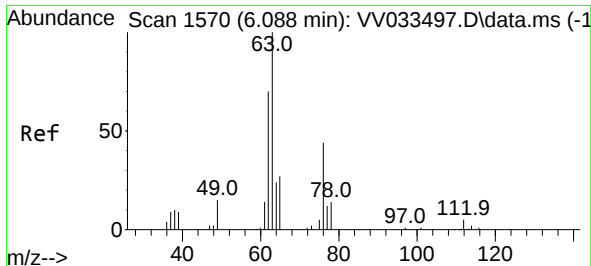
Tgt Ion: 95 Resp: 100370
Ion Ratio Lower Upper
95 100
97 62.4 44.8 83.2
132 91.9 69.9 129.7
130 98.2 73.3 136.1



#35
Methylcyclohexane
Concen: 50.866 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Tgt Ion: 83 Resp: 141172
Ion Ratio Lower Upper
83 100
55 81.1 58.6 88.0
98 49.5 40.9 61.3





#37

1,2-Dichloropropane

Concen: 58.336 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

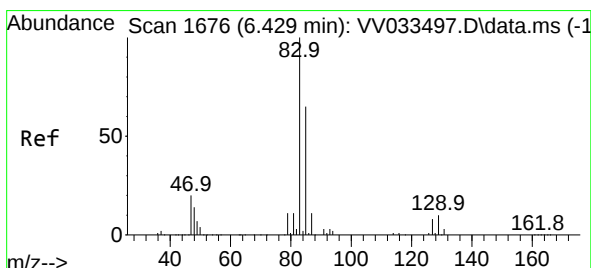
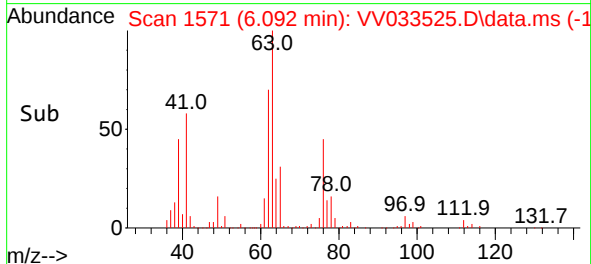
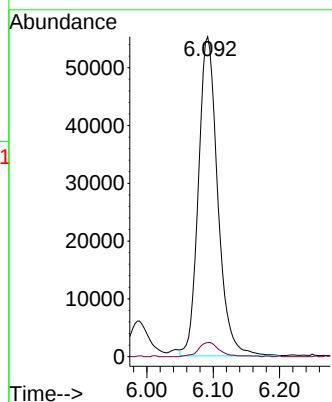
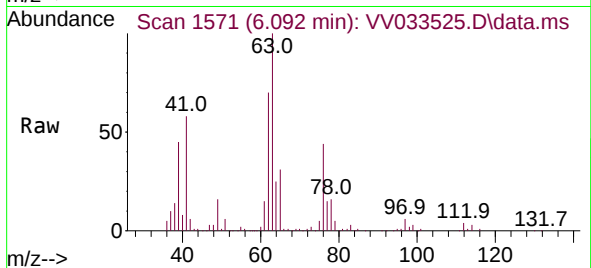
ClientSampleId :

Tgt Ion: 63 Resp: 111585

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5



#38

Bromodichloromethane

Concen: 53.371 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

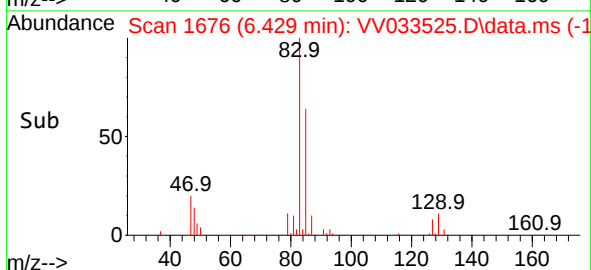
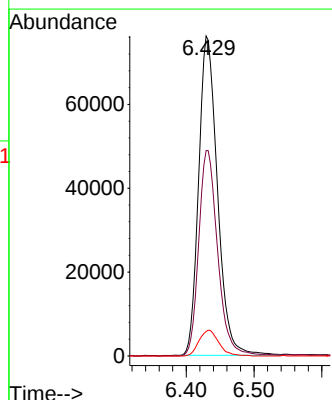
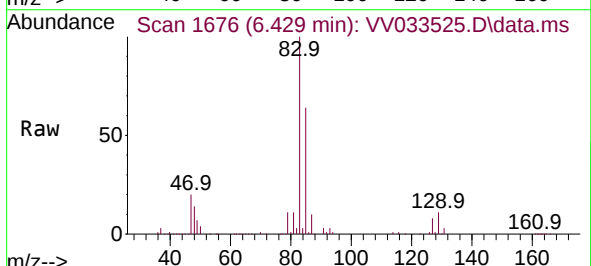
Tgt Ion: 83 Resp: 146931

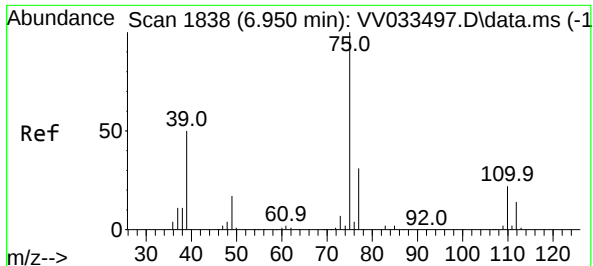
Ion Ratio Lower Upper

83 100

85 64.2 45.2 84.0

127 7.7 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 50.734 ug/L

RT: 6.953 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

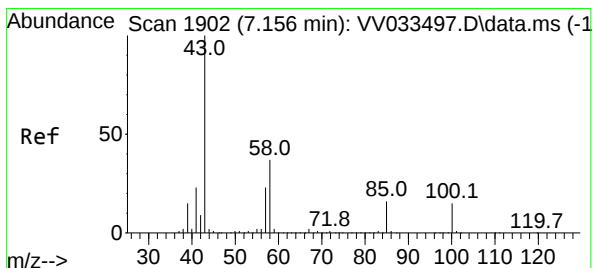
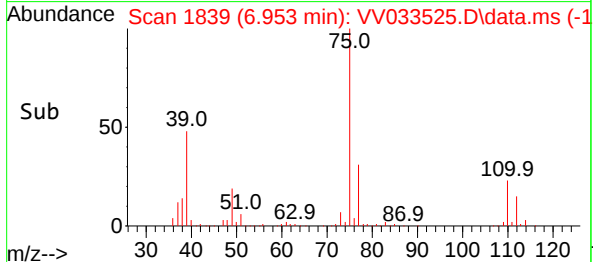
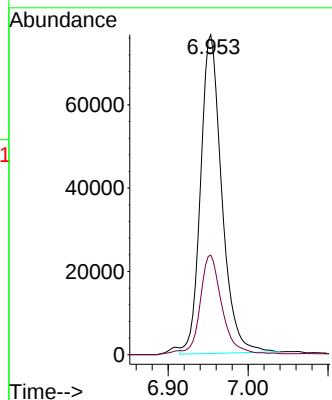
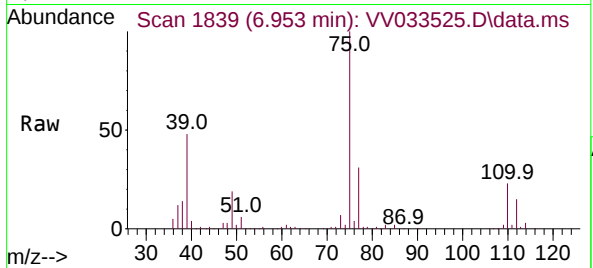
ClientSampleId :

Tgt Ion: 75 Resp: 141177

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 121.508 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

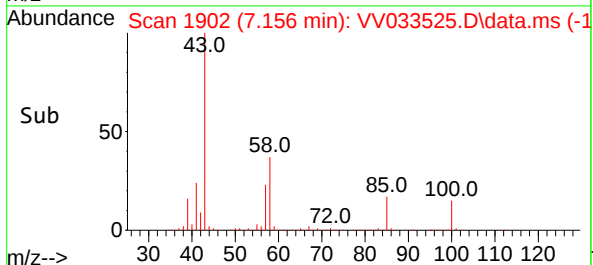
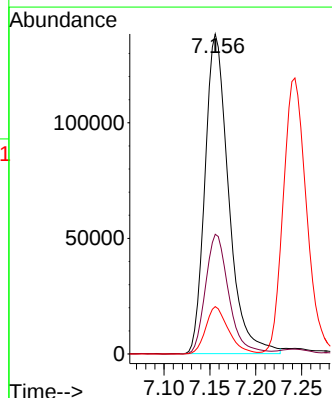
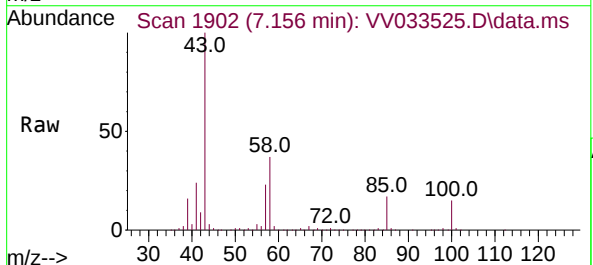
Tgt Ion: 43 Resp: 248027

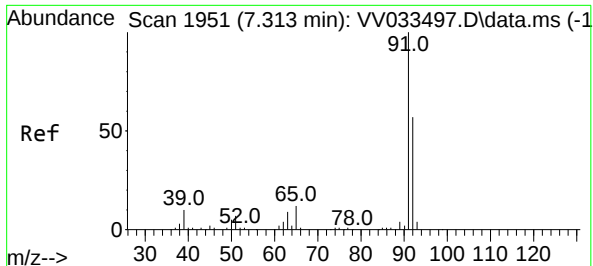
Ion Ratio Lower Upper

43 100

58 37.0 30.7 46.1

100 14.3 13.6 20.4

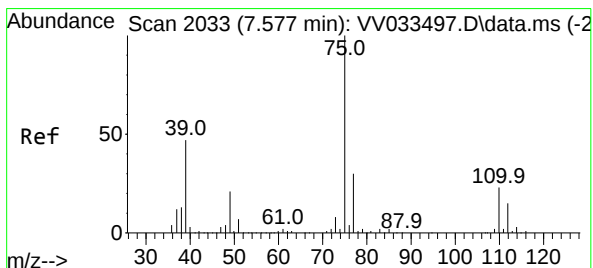
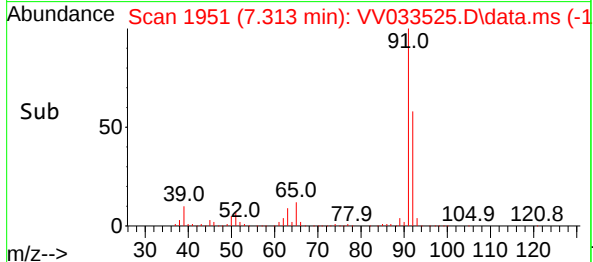
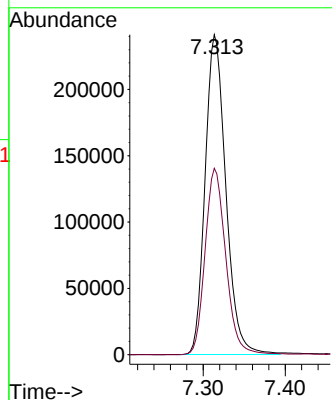
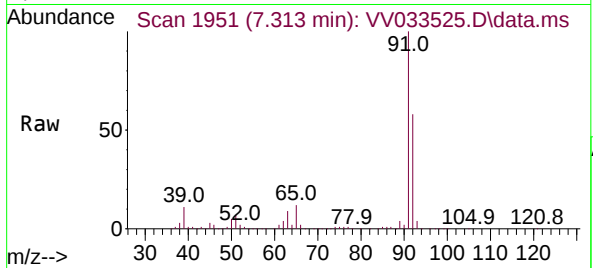




#42
Toluene
Concen: 56.528 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

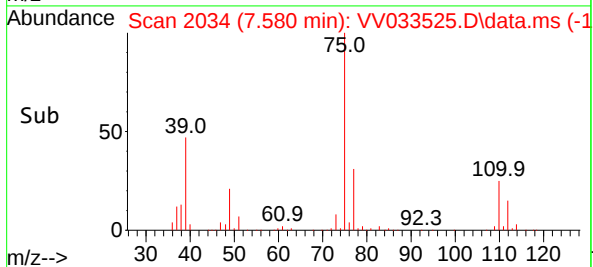
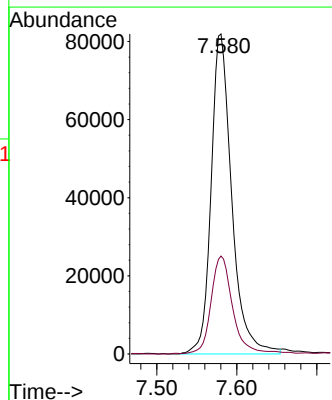
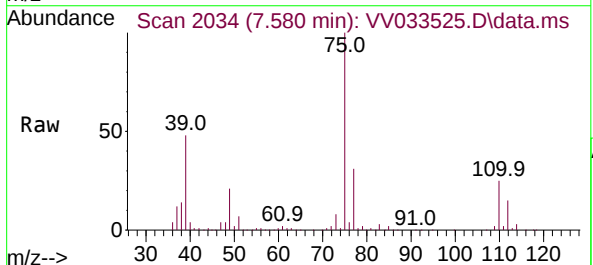
Instrument :
MSVOA_V
ClientSampleId :

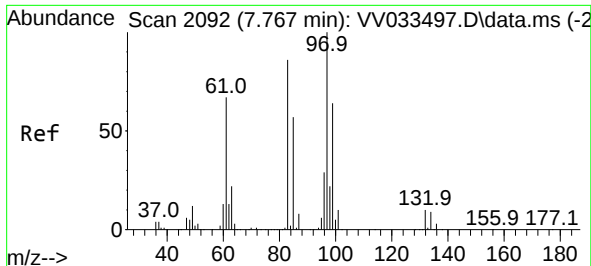
Tgt Ion: 91 Resp: 422590
Ion Ratio Lower Upper
91 100
92 58.2 41.3 76.7



#44
trans-1,3-Dichloropropene
Concen: 52.583 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. 0.003 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Tgt Ion: 75 Resp: 146832
Ion Ratio Lower Upper
75 100
77 30.6 22.4 41.6



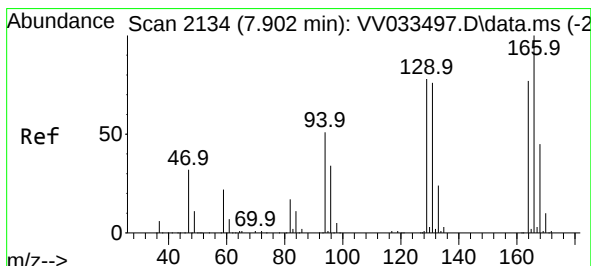
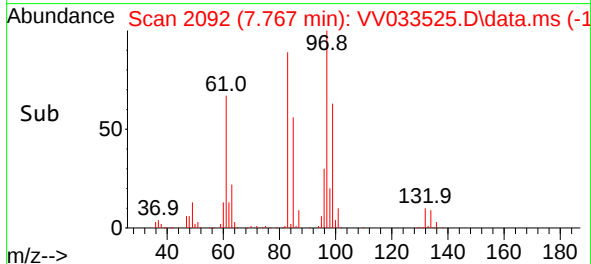
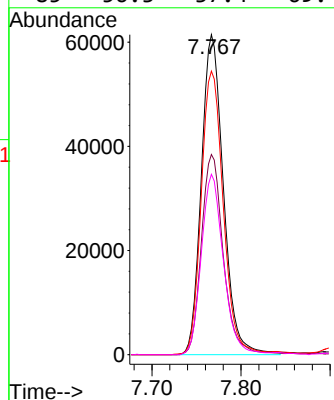
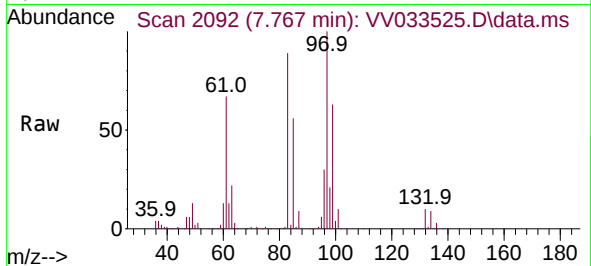


#45
1,1,2-Trichloroethane
Concen: 53.110 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 105884

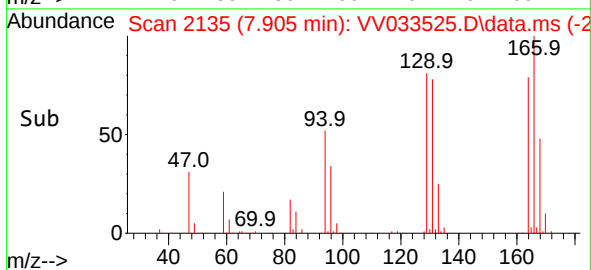
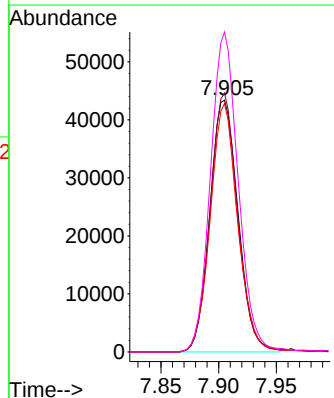
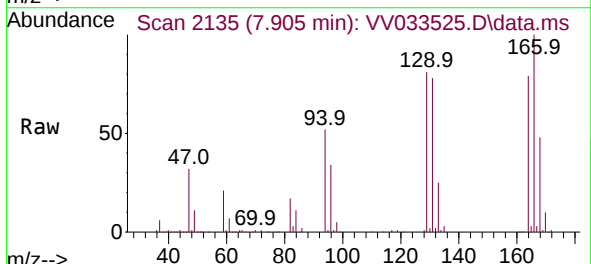
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.5	80.7
83	88.6	61.0	113.4
85	56.3	37.4	69.4

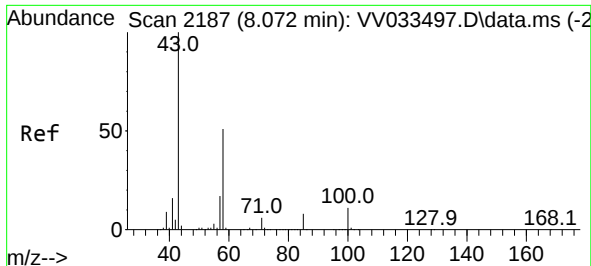


#46
Tetrachloroethene
Concen: 48.999 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Tgt Ion: 164 Resp: 74086

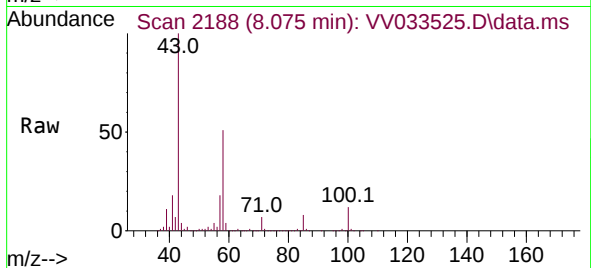
Ion	Ratio	Lower	Upper
164	100		
129	102.8	68.9	127.9
131	98.7	65.3	121.3
166	127.1	86.9	161.3



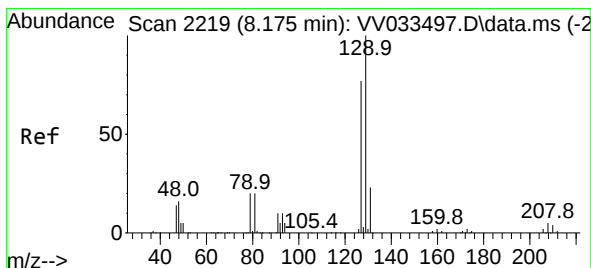
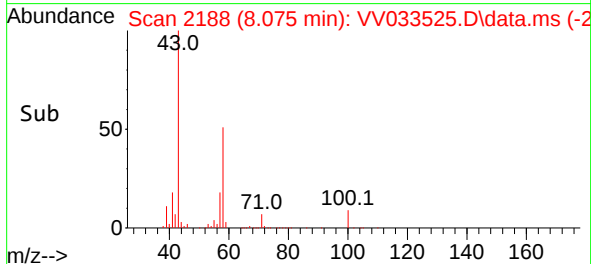
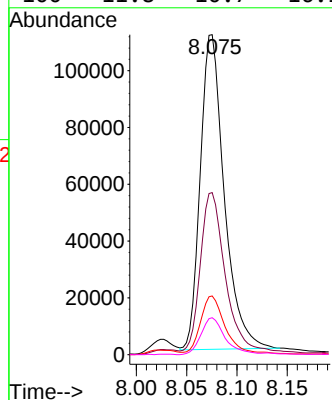


#48
2-Hexanone
Concen: 107.994 ug/L
RT: 8.075 min Scan# 2187
Delta R.T. 0.003 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Instrument :
MSVOA_V
ClientSampleId :

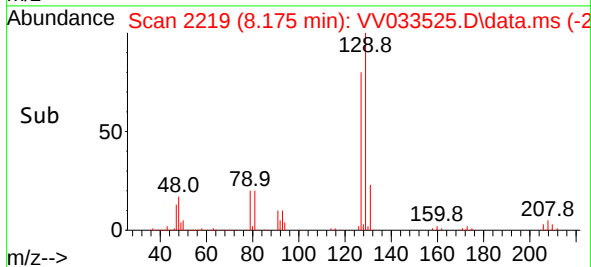
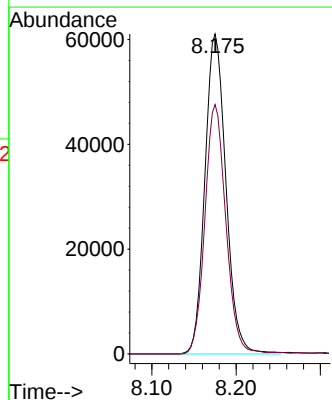
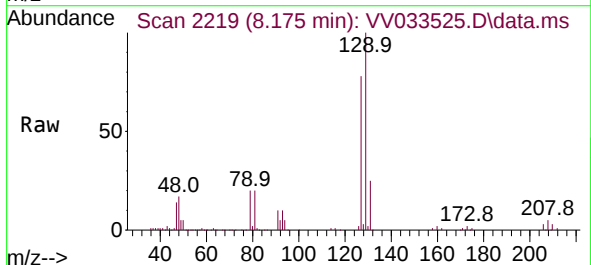


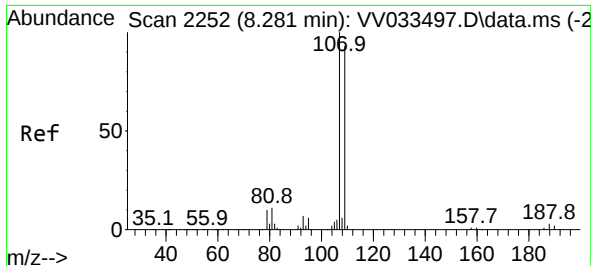
Tgt Ion: 43 Resp: 183862
Ion Ratio Lower Upper
43 100
58 54.1 43.0 64.6
57 17.1 14.7 22.1
100 11.8 10.7 16.1



#49
Dibromochloromethane
Concen: 50.315 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Tgt Ion: 129 Resp: 106070
Ion Ratio Lower Upper
129 100
127 78.0 53.3 98.9





#50

1,2-Dibromoethane

Concen: 51.236 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

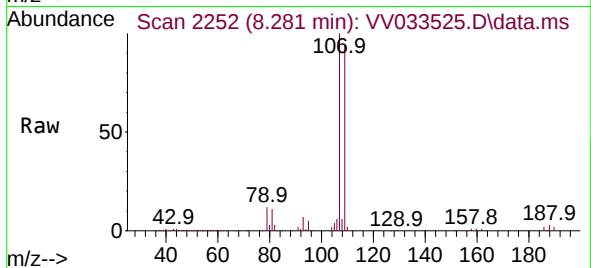
Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

ClientSampleId :



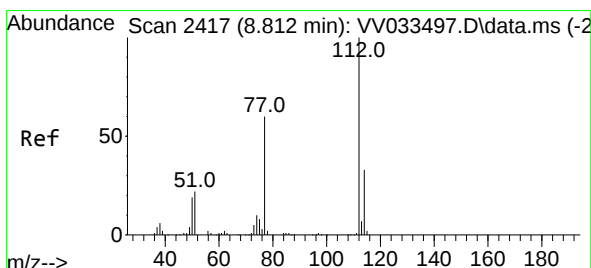
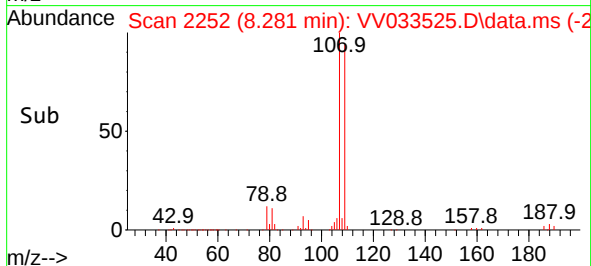
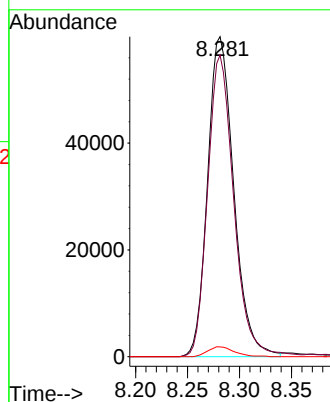
Tgt Ion:107 Resp: 105295

Ion Ratio Lower Upper

107 100

109 94.3 64.2 119.2

188 3.1 2.9 4.3



#51

Chlorobenzene

Concen: 51.016 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.000 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

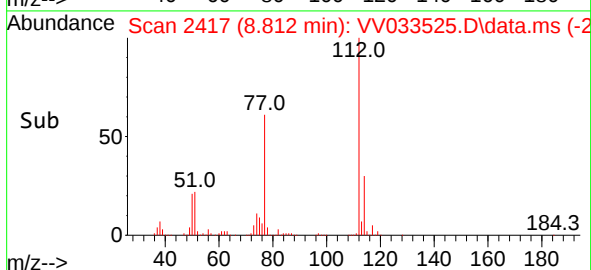
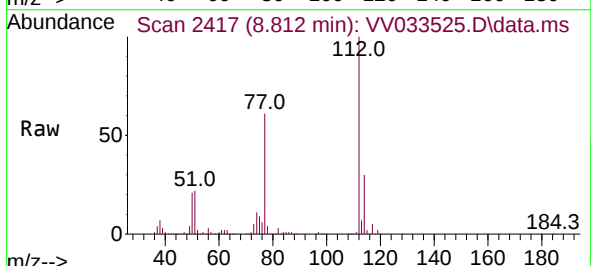
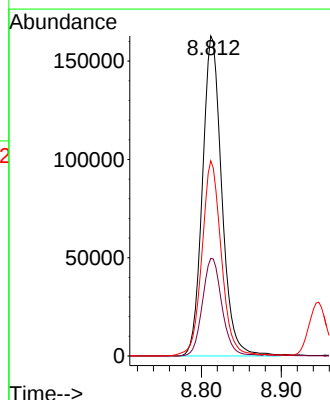
Tgt Ion:112 Resp: 274847

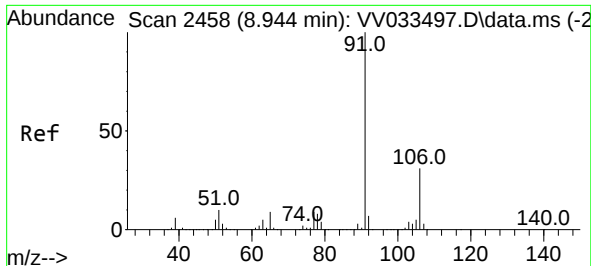
Ion Ratio Lower Upper

112 100

114 30.5 22.5 41.7

77 61.0 45.2 67.8





#52

Ethylbenzene

Concen: 53.975 ug/L

RT: 8.947 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

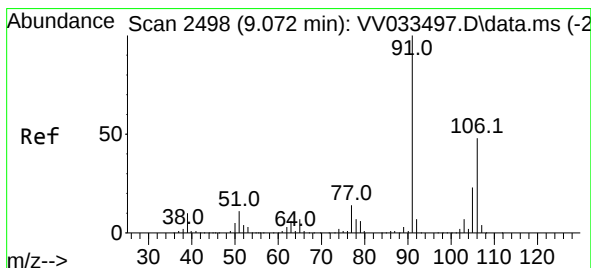
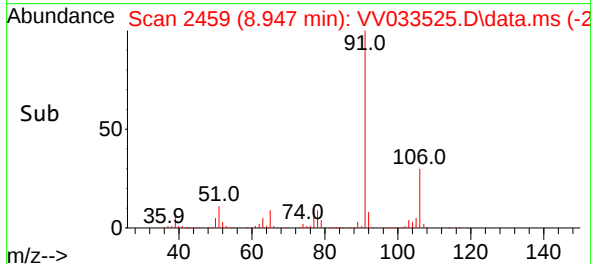
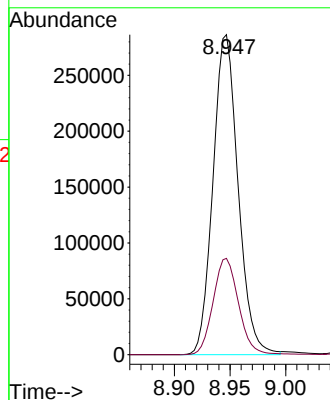
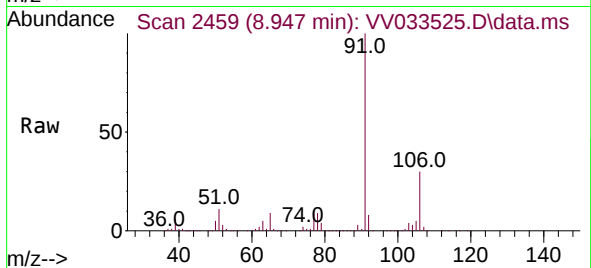
ClientSampleId :

Tgt Ion: 91 Resp: 449369

Ion Ratio Lower Upper

91 100

106 30.1 21.6 40.2



#53

m,p-Xylene

Concen: 54.910 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. -0.000 min

Lab File: VV033525.D

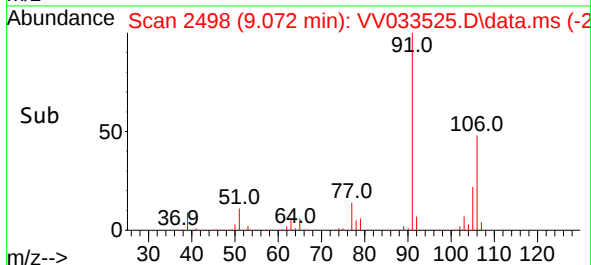
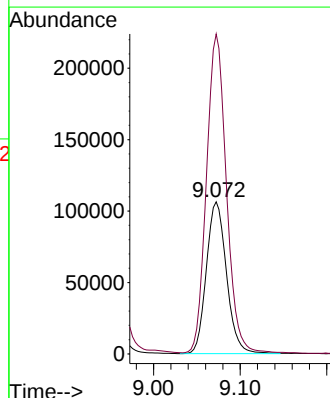
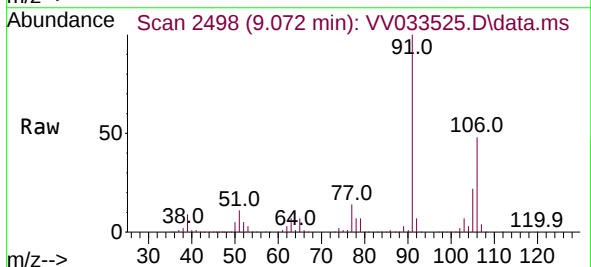
Acq: 21 Dec 2023 11:16

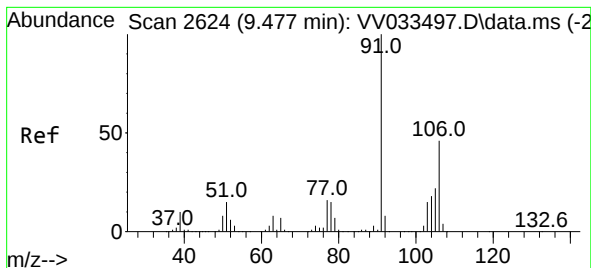
Tgt Ion: 106 Resp: 171757

Ion Ratio Lower Upper

106 100

91 210.4 143.0 265.6





#54

o-Xylene

Concen: 53.703 ug/L

RT: 9.477 min Scan# 2624

Delta R.T. -0.000 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

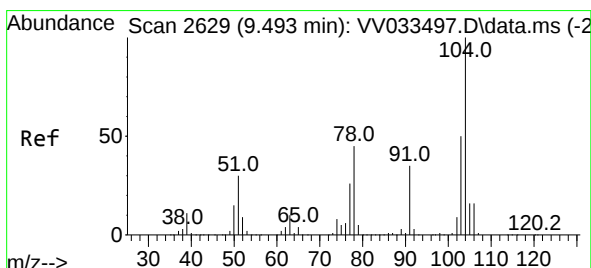
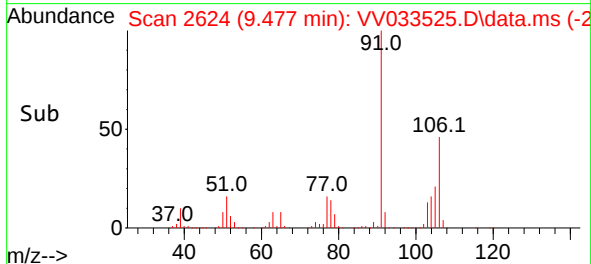
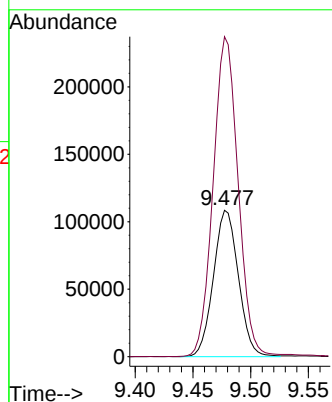
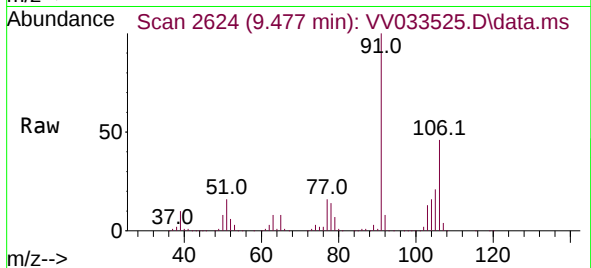
ClientSampleId :

Tgt Ion:106 Resp: 163109

Ion Ratio Lower Upper

106 100

91 218.6 149.7 278.1



#55

Styrene

Concen: 57.820 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. -0.000 min

Lab File: VV033525.D

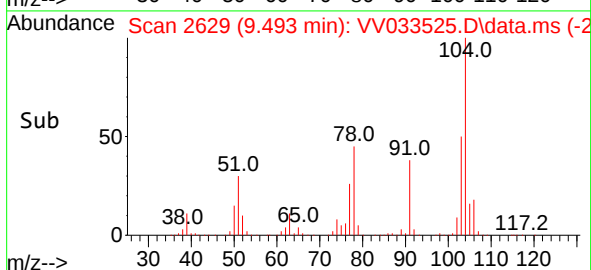
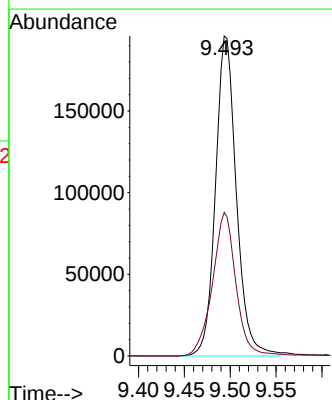
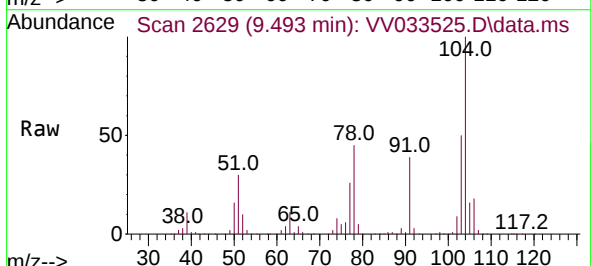
Acq: 21 Dec 2023 11:16

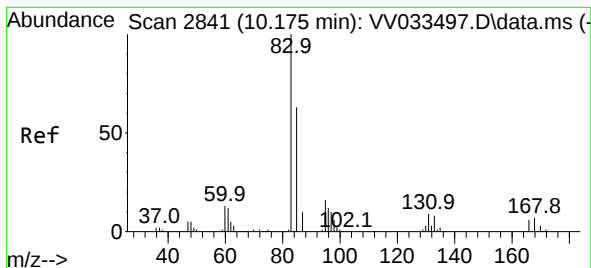
Tgt Ion:104 Resp: 309932

Ion Ratio Lower Upper

104 100

78 44.8 30.2 56.2

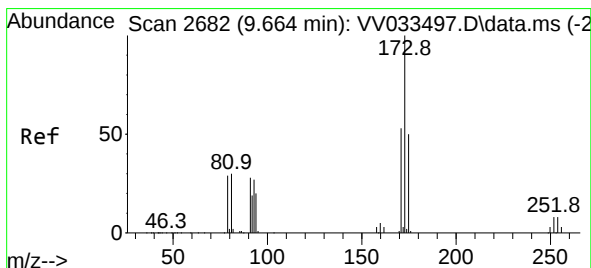
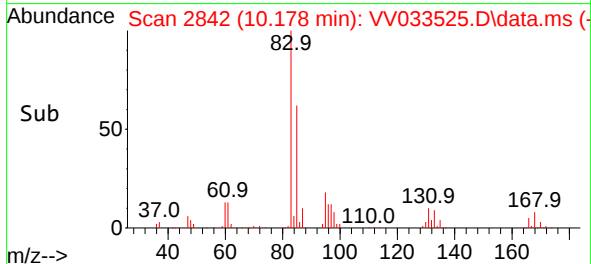
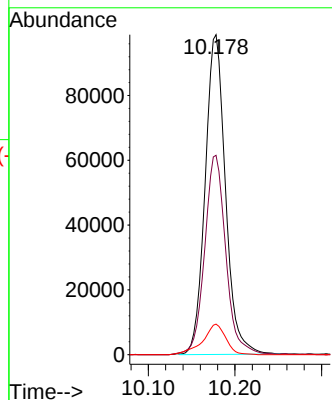
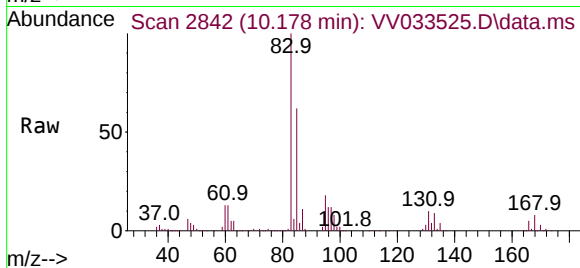




#57
1,1,2-Tetrachloroethane
Concen: 52.626 ug/L
RT: 10.178 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

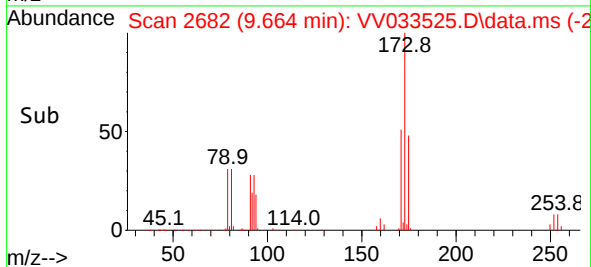
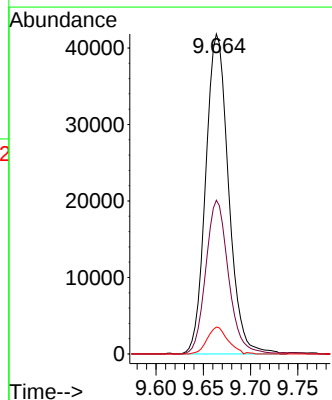
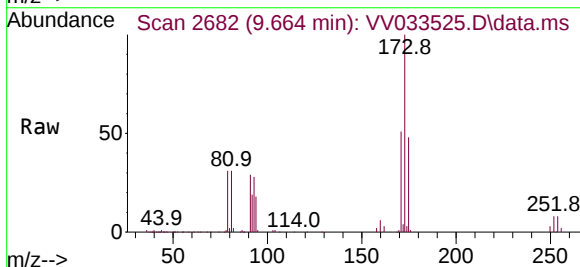
Instrument :
MSVOA_V
ClientSampleId :

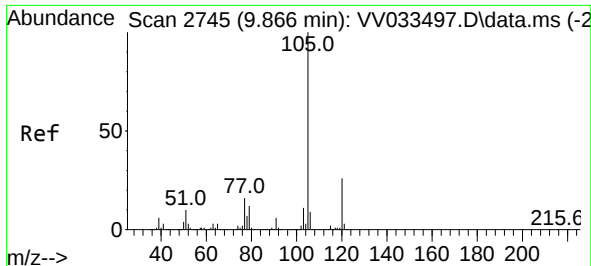
Tgt Ion: 83 Resp: 161137
Ion Ratio Lower Upper
83 100
85 62.3 44.8 83.2
131 9.6 8.6 12.8



#59
Bromoform
Concen: 47.252 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Tgt Ion: 173 Resp: 70401
Ion Ratio Lower Upper
173 100
175 47.7 38.8 58.2
254 7.5 5.8 8.8

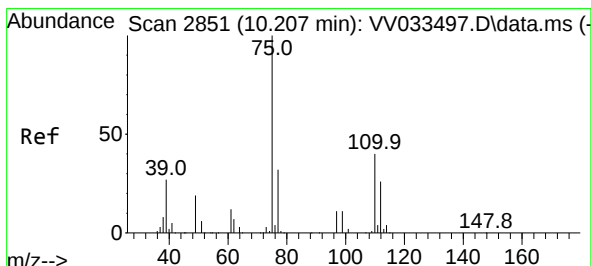
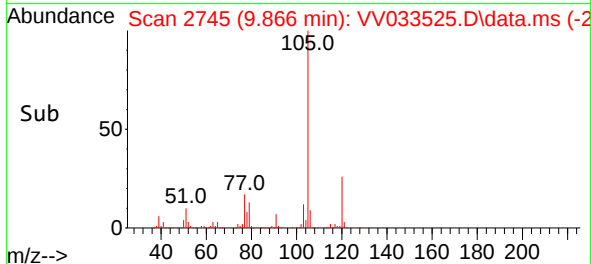
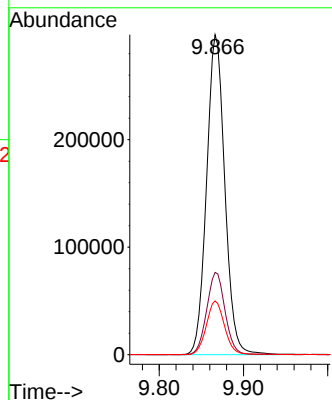
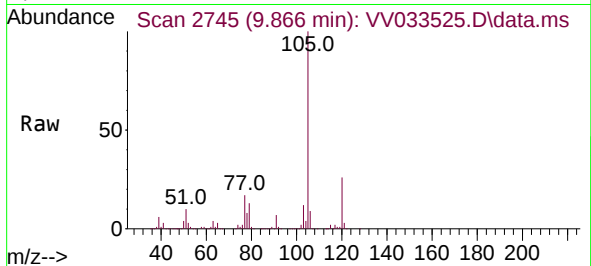




#60
Isopropylbenzene
Concen: 54.677 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

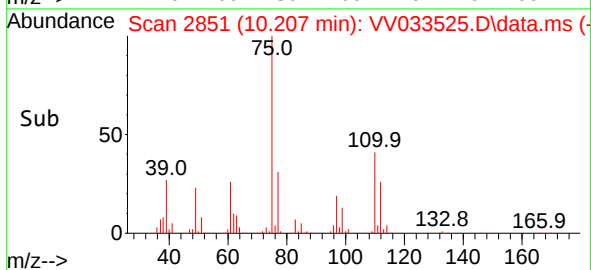
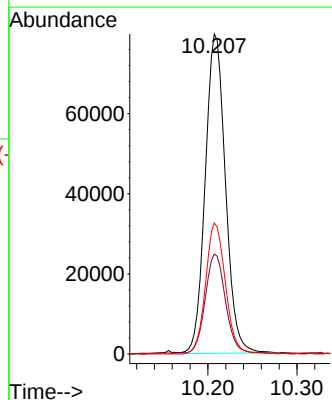
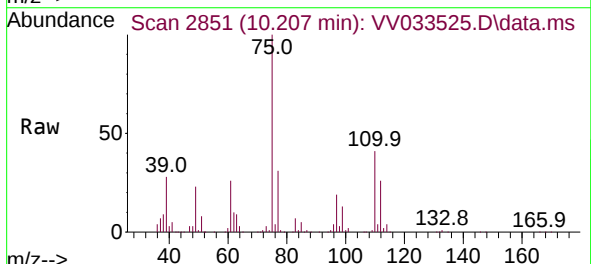
Instrument :
MSVOA_V
ClientSampleId :

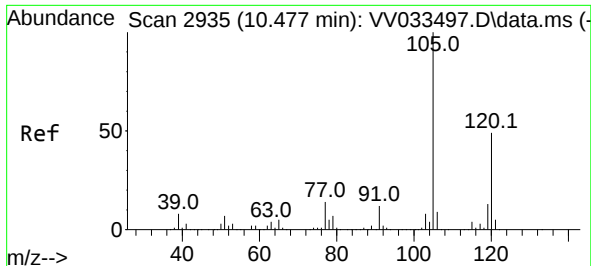
Tgt Ion:105 Resp: 448387
Ion Ratio Lower Upper
105 100
120 26.0 21.2 31.8
77 16.6 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 54.260 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Tgt Ion: 75 Resp: 125593
Ion Ratio Lower Upper
75 100
77 30.9 25.7 38.5
110 40.3 33.9 50.9





#62

1,3,5-Trimethylbenzene

Concen: 54.042 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

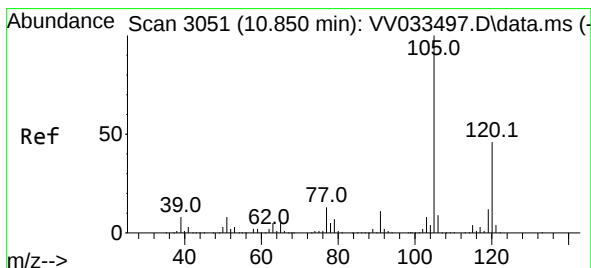
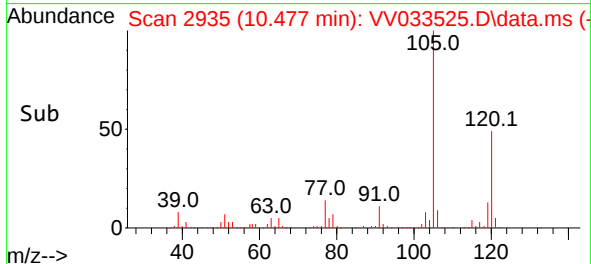
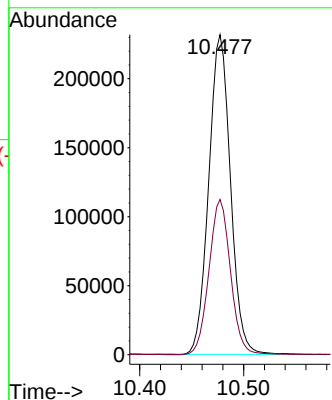
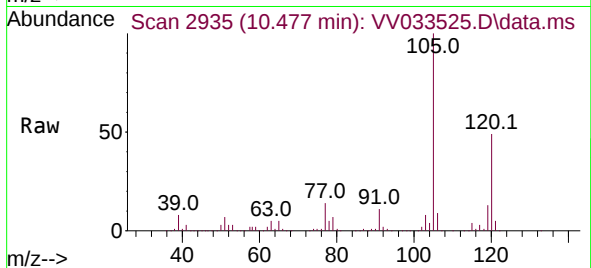
ClientSampleId :

Tgt Ion:105 Resp: 335885

Ion Ratio Lower Upper

105 100

120 48.3 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 55.939 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV033525.D

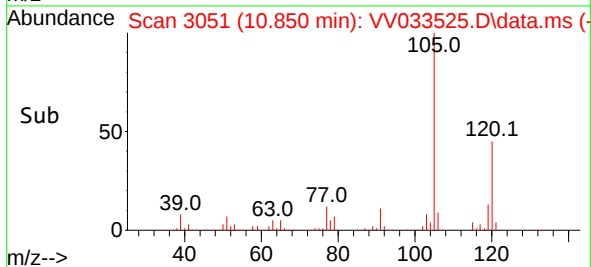
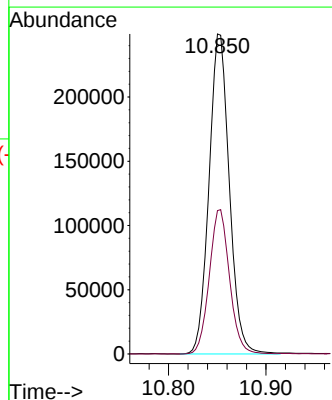
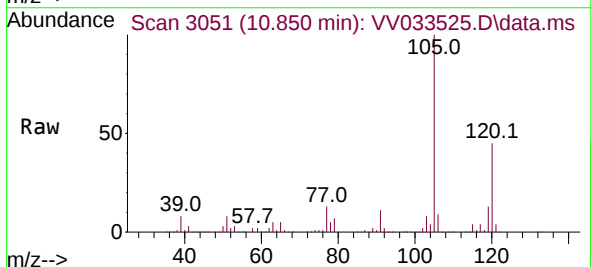
Acq: 21 Dec 2023 11:16

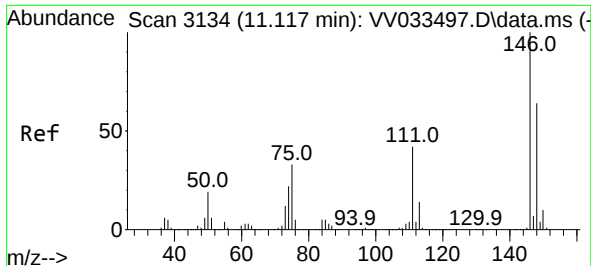
Tgt Ion:105 Resp: 361089

Ion Ratio Lower Upper

105 100

120 44.9 36.2 54.4

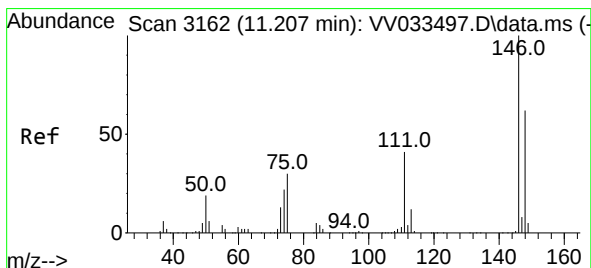
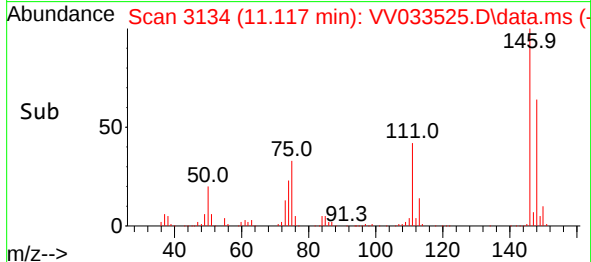
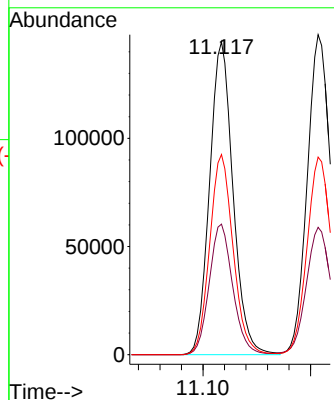
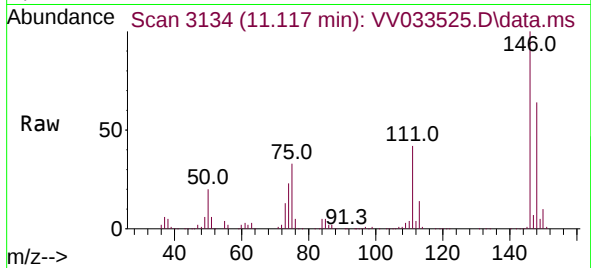




#64
1,3-Dichlorobenzene
Concen: 51.298 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

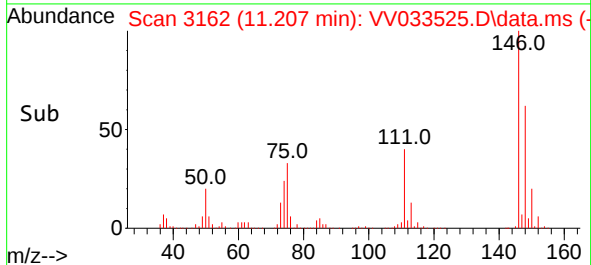
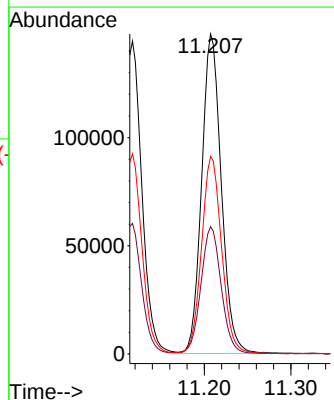
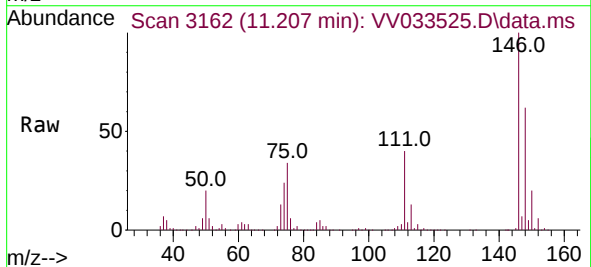
Instrument :
MSVOA_V
ClientSampleId :

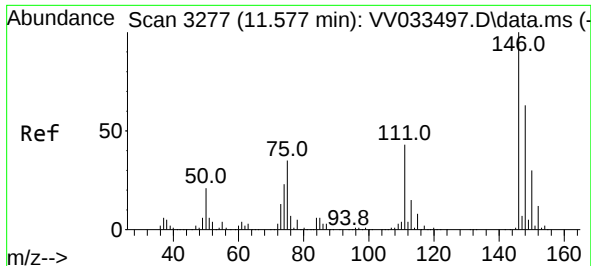
Tgt Ion:146 Resp: 218645
Ion Ratio Lower Upper
146 100
111 41.8 29.3 54.5
148 64.0 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 50.662 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VV033525.D
Acq: 21 Dec 2023 11:16

Tgt Ion:146 Resp: 232399
Ion Ratio Lower Upper
146 100
111 39.8 27.9 51.7
148 61.8 45.5 84.5





#67

1,2-Dichlorobenzene

Concen: 51.793 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

ClientSampleId :

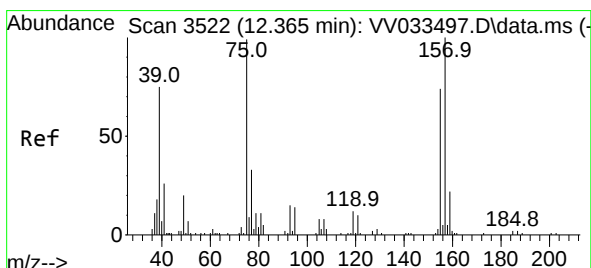
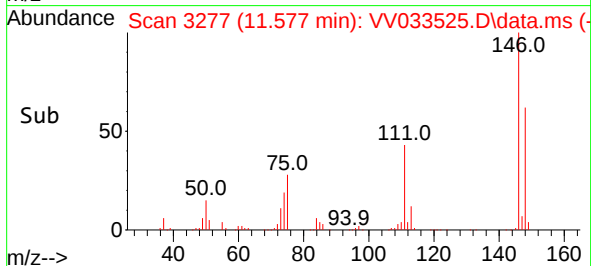
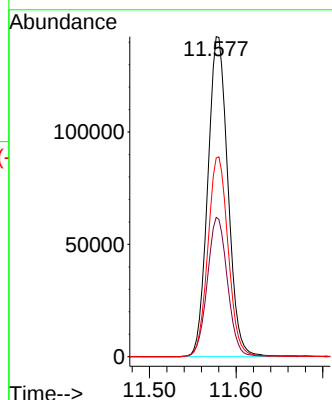
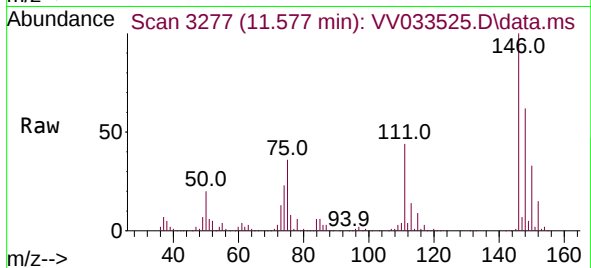
Tgt Ion:146 Resp: 229768

Ion Ratio Lower Upper

146 100

111 43.5 33.5 50.3

148 62.1 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 50.580 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

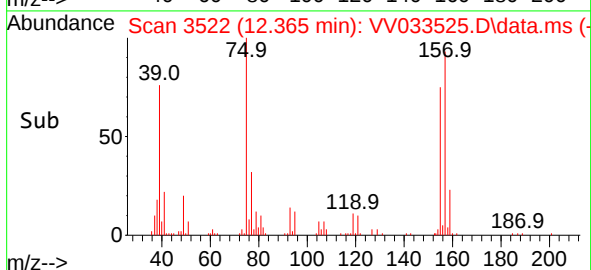
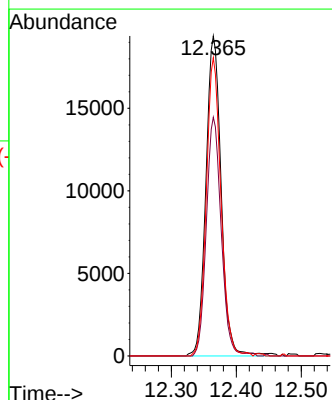
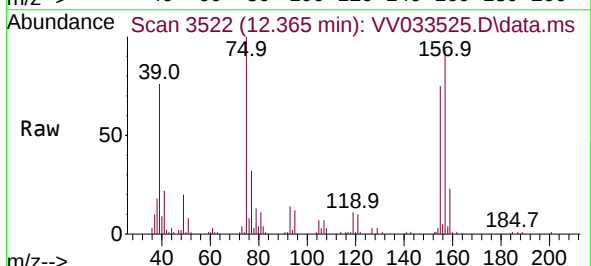
Tgt Ion: 75 Resp: 31714

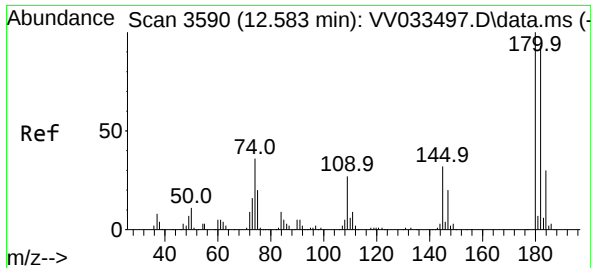
Ion Ratio Lower Upper

75 100

155 74.6 69.4 104.0

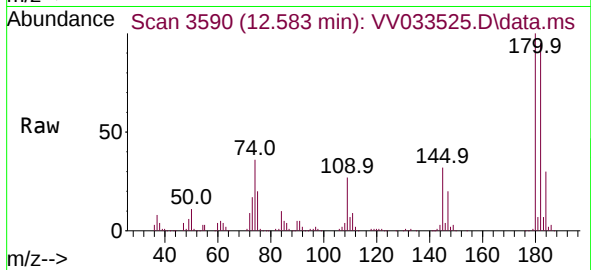
157 93.2 81.1 121.7



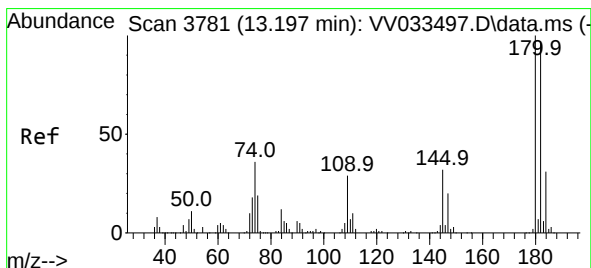
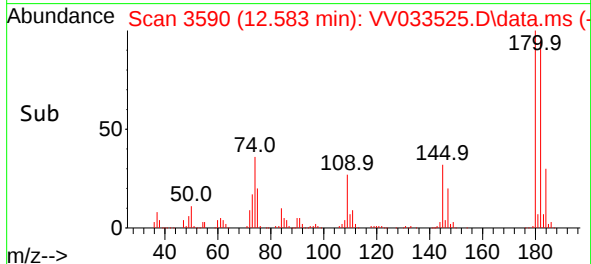
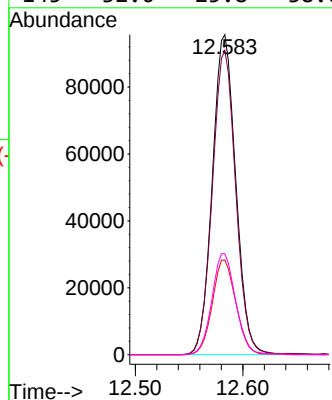


#69
 1,3,5-Trichlorobenzene
 Concen: 49.096 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. -0.000 min
 Lab File: VV033525.D
 Acq: 21 Dec 2023 11:16

Instrument :
 MSVOA_V
 ClientSampleId :

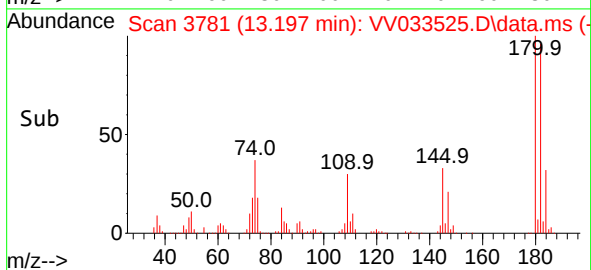
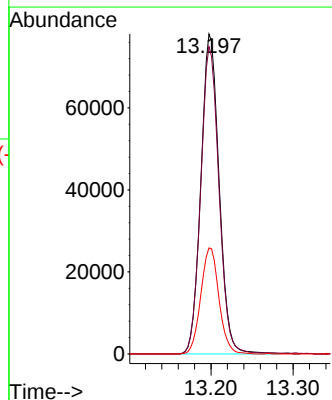
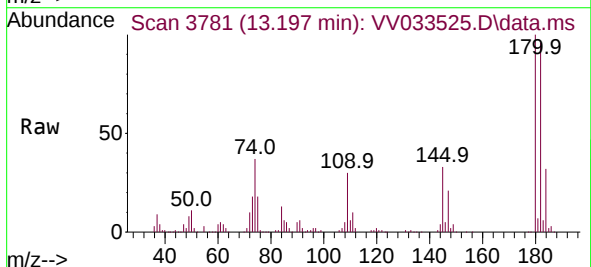


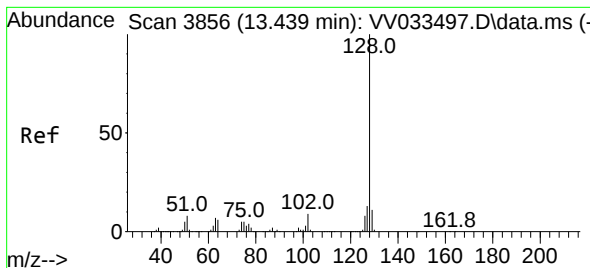
Tgt Ion:180 Resp: 144716
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.2 114.4
 184 29.8 24.4 36.6
 145 32.0 25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 46.774 ug/L
 RT: 13.197 min Scan# 3781
 Delta R.T. -0.000 min
 Lab File: VV033525.D
 Acq: 21 Dec 2023 11:16

Tgt Ion:180 Resp: 120520
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.1 114.1
 145 33.1 25.6 38.4





#71

Naphthalene

Concen: 42.373 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033525.D

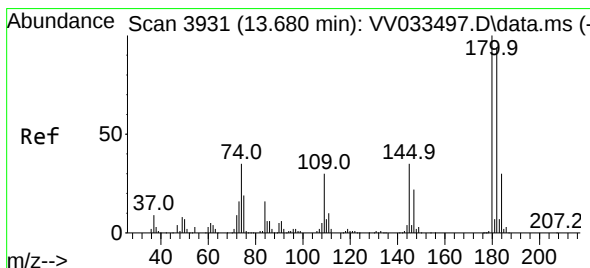
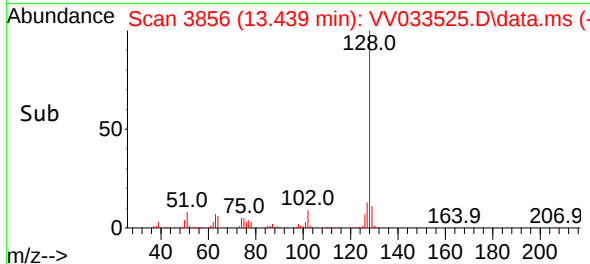
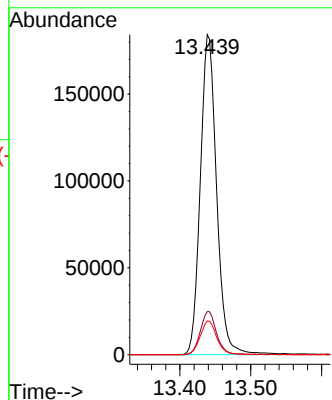
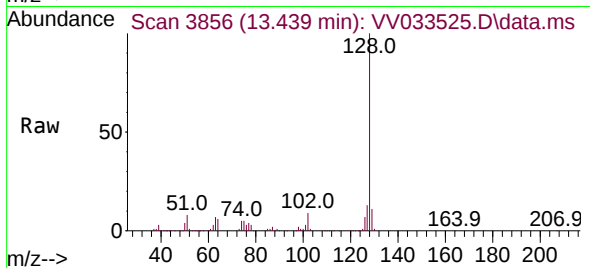
Acq: 21 Dec 2023 11:16

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	293755
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	10.7	8.8	13.2



#72

1,2,3-Trichlorobenzene

Concen: 50.562 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033525.D

Acq: 21 Dec 2023 11:16

Tgt Ion:	180	Resp:	127431
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.2	114.2
145	34.8	27.1	40.7

