

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121923\
 Data File : VW033493.D
 Acq On : 19 Dec 2023 21:09
 Operator : SY/MD
 Sample : 05847-02MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 20 00:30:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 20 00:24:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	288361	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	291907	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.184	152	159351	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	112010	50.440	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.880%
7) Chloroethane-d5	1.532	69	94020	47.179	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.360%
11) 1,1-Dichloroethene-d2	2.059	65	48667	44.026	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.060%
21) 2-Butanone-d5	3.783	46	103986	92.913	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.910%
24) Chloroform-d	4.246	84	200751	45.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	4.940	65	123693	45.839	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.680%
32) Benzene-d6	4.960	84	371235	47.219	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.440%
36) 1,2-Dichloropropane-d6	5.989	67	114932	48.167	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.340%
41) Toluene-d8	7.243	98	342057	47.549	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.100%
43) trans-1,3-Dichloroprop...	7.551	79	52537	44.926	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.860%
47) 2-Hexanone-d5	8.024	63	71618	89.237	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.240%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	154193	44.961	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.920%
66) 1,2-Dichlorobenzene-d4	11.561	152	127228	42.488	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	107312	45.296	ug/L	100
3) Chloromethane	1.214	50	109048	49.997	ug/L	98
5) Vinyl chloride	1.285	62	116922	50.006	ug/L	100
6) Bromomethane	1.487	94	71303	42.602	ug/L	99
8) Chloroethane	1.548	64	79384	50.291	ug/L	100
9) Trichlorofluoromethane	1.715	101	183320	44.712	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	108578	45.392	ug/L	97
12) 1,1-Dichloroethene	2.069	96	122027	60.051	ug/L	93
13) Acetone	2.108	43	125510	96.612	ug/L	100
14) Carbon disulfide	2.243	76	242924	46.781	ug/L	99
15) Methyl Acetate	2.371	43	94069	50.701	ug/L	94
16) Methylene chloride	2.445	84	109267	48.146	ug/L	94
17) trans-1,2-Dichloroethene	2.696	96	93108	48.476	ug/L	93
18) Methyl tert-butyl Ether	2.703	73	294458	50.483	ug/L	98
19) 1,1-Dichloroethane	3.111	63	202240	54.938	ug/L	97
20) cis-1,2-Dichloroethene	3.815	96	103728	47.631	ug/L	89
22) 2-Butanone	3.860	43	182062	142.247	ug/L	97
23) Bromochloromethane	4.146	128	55924	46.851	ug/L	89
25) Chloroform	4.275	83	205277	49.551	ug/L	99

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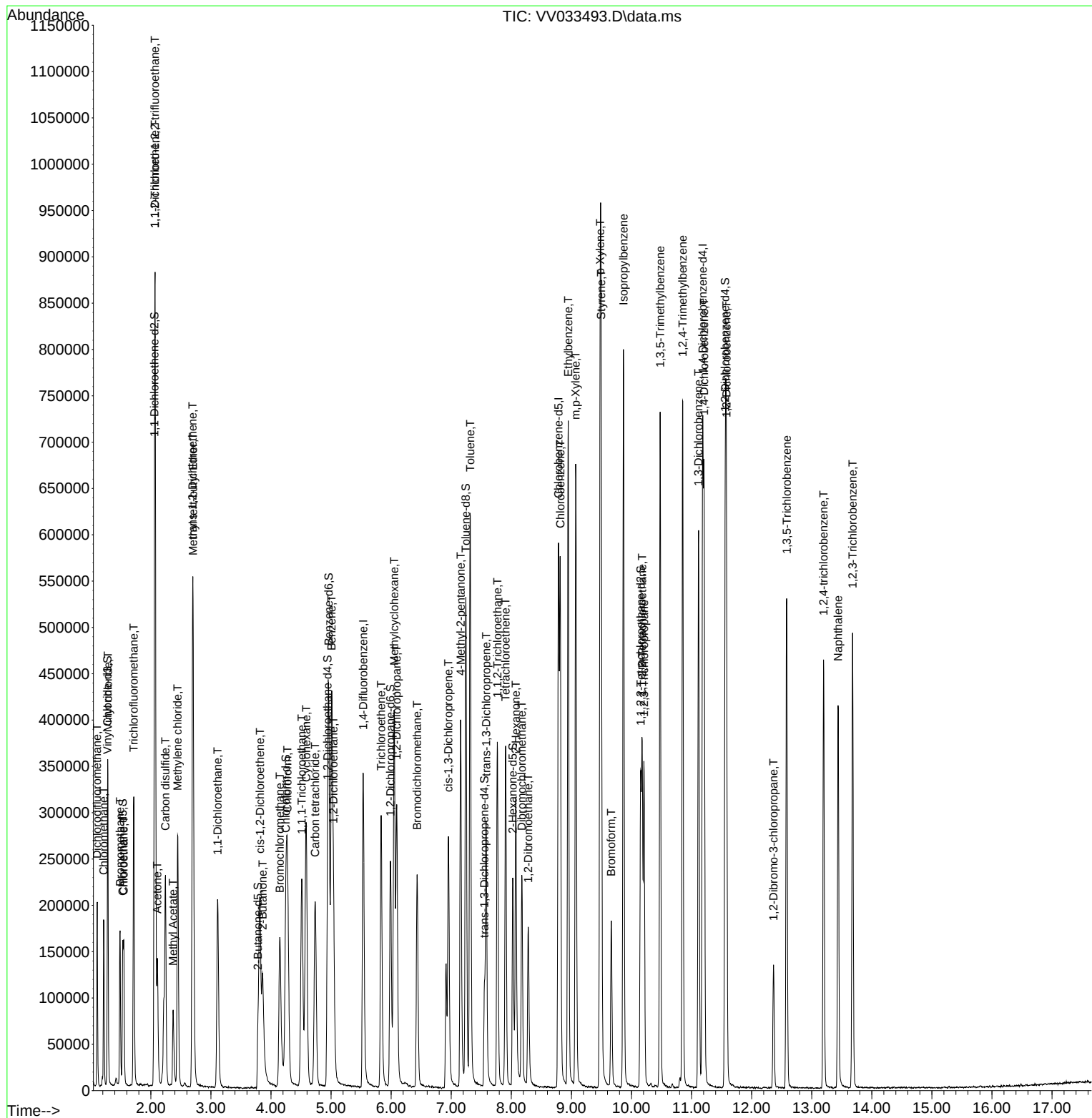
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	161026	50.426	ug/L	99
29) Cyclohexane	4.587	56	146399	55.645	ug/L	93
30) 1,1,1-Trichloroethane	4.513	97	185246	51.399	ug/L	98
31) Carbon tetrachloride	4.735	117	150256	46.585	ug/L	98
33) Benzene	5.008	78	418354	53.770	ug/L	100
34) Trichloroethene	5.834	95	104145	48.790	ug/L	95
35) Methylcyclohexane	6.050	83	153441	50.119	ug/L	94
37) 1,2-Dichloropropane	6.091	63	112703	53.413	ug/L	99
38) Bromodichloromethane	6.432	83	153210	50.450	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	159528	51.970	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	263140	116.862	ug/L	96
42) Toluene	7.316	91	437408	53.042	ug/L	97
44) trans-1,3-Dichloropropene	7.580	75	159323	51.724	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	111122	50.527	ug/L	99
46) Tetrachloroethene	7.905	164	76203	45.689	ug/L	98
48) 2-Hexanone	8.075	43	197307	105.059	ug/L	99
49) Dibromochloromethane	8.175	129	109849	47.237	ug/L	97
50) 1,2-Dibromoethane	8.281	107	109920	48.487	ug/L	99
51) Chlorobenzene	8.815	112	288659	48.571	ug/L	99
52) Ethylbenzene	8.947	91	474620	51.679	ug/L	99
53) m,p-Xylene	9.072	106	177951	51.573	ug/L	96
54) o-Xylene	9.477	106	171791	51.274	ug/L	94
55) Styrene	9.496	104	319831	54.090	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	173450	51.352	ug/L	99
59) Bromoform	9.664	173	72294	43.974	ug/L	100
60) Isopropylbenzene	9.866	105	472232	52.186	ug/L	98
61) 1,2,3-Trichloropropane	10.207	75	131866	51.630	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	354330	51.665	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	374222	52.539	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	221337	47.062	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	230647	45.567	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	230695	47.127	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	33389	48.260	ug/L	90
69) 1,3,5-Trichlorobenzene	12.583	180	143623	44.157	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	123510	43.441	ug/L	98
71) Naphthalene	13.438	128	307534	40.202	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	127644	45.899	ug/L	98

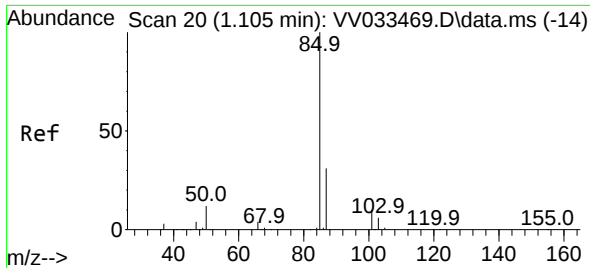
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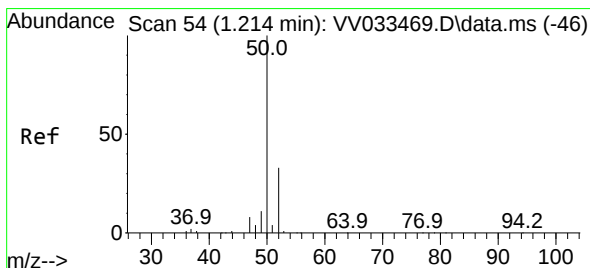
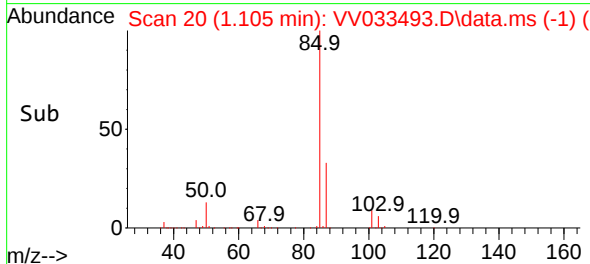
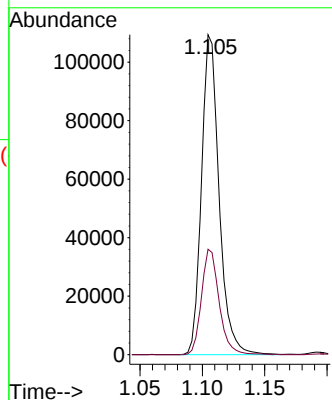
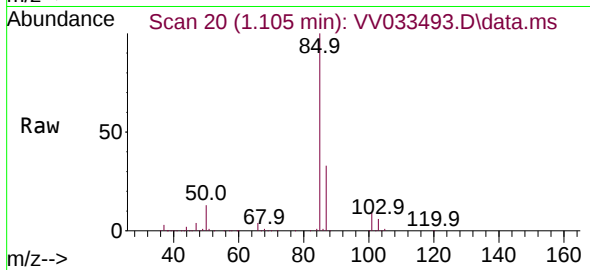




#2
 Dichlorodifluoromethane
 Concen: 45.296 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033493.D
 Acq: 19 Dec 2023 21:09

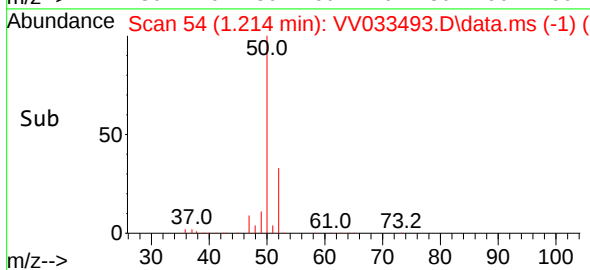
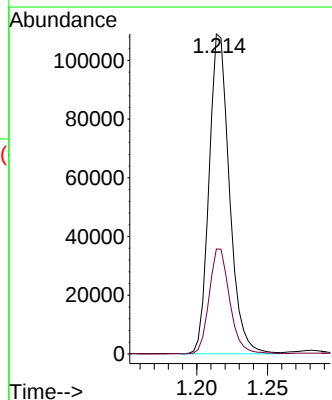
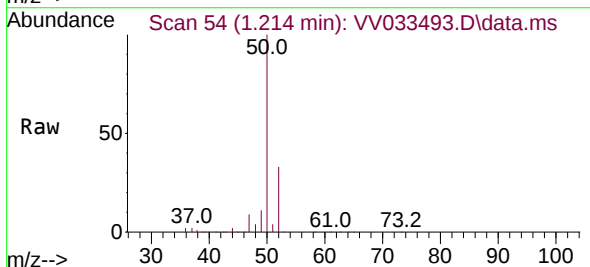
Instrument :
 MSVOA_V
 ClientSampleId :

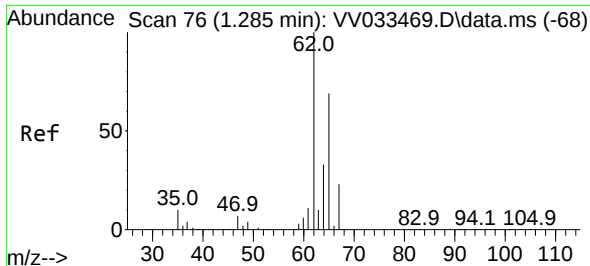
Tgt Ion: 85 Resp: 107312
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.6 39.8



#3
 Chloromethane
 Concen: 49.997 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033493.D
 Acq: 19 Dec 2023 21:09

Tgt Ion: 50 Resp: 109048
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.3 41.5

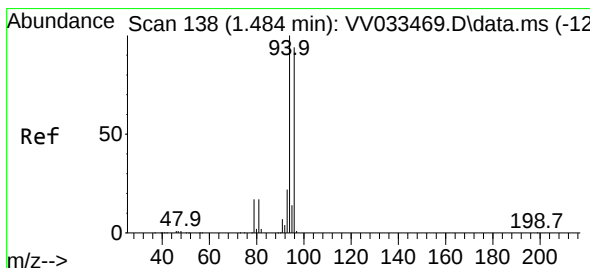
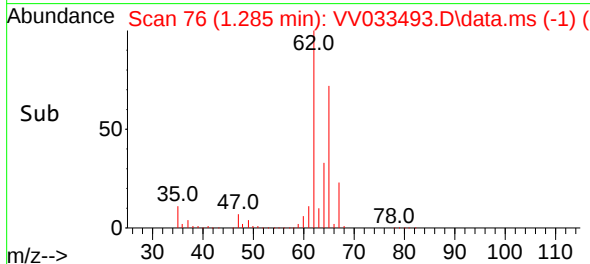
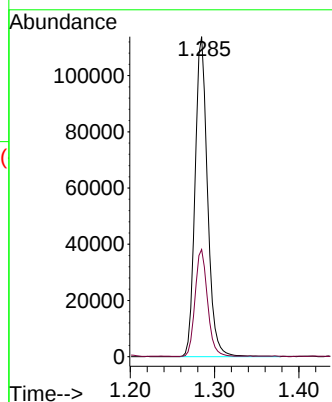
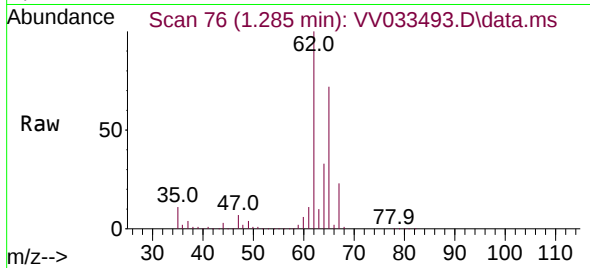




#5
 Vinyl chloride
 Concen: 50.006 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033493.D
 Acq: 19 Dec 2023 21:09

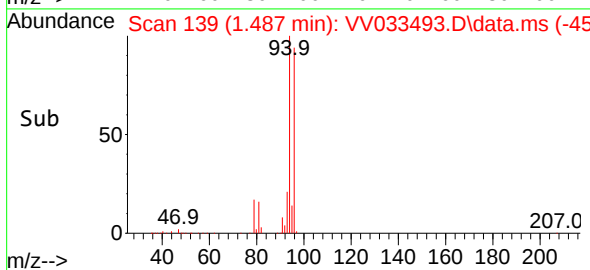
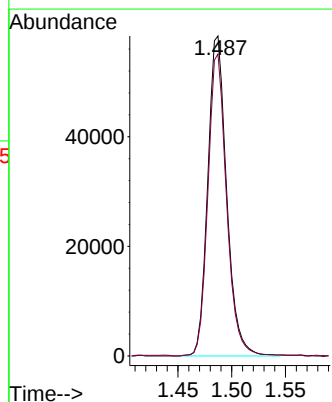
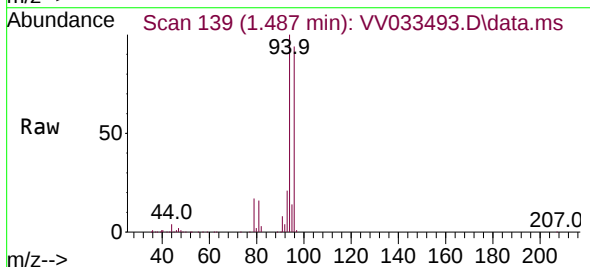
Instrument :
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 ClientSampleId :

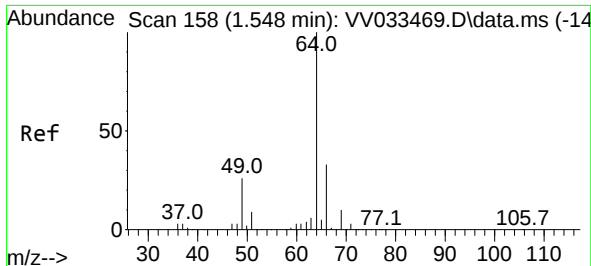
Tgt Ion: 62 Resp: 116922
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.6



#6
 Bromomethane
 Concen: 42.602 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.003 min
 Lab File: VV033493.D
 Acq: 19 Dec 2023 21:09

Tgt Ion: 94 Resp: 71303
 Ion Ratio Lower Upper
 94 100
 96 94.4 65.1 120.9

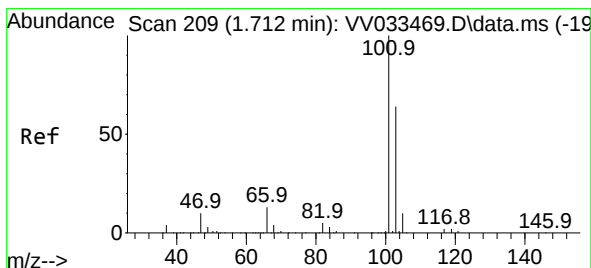
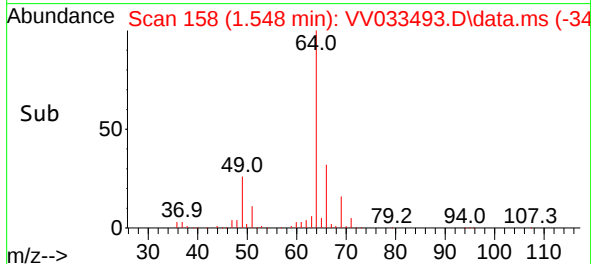
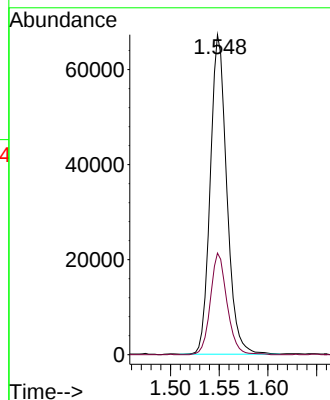
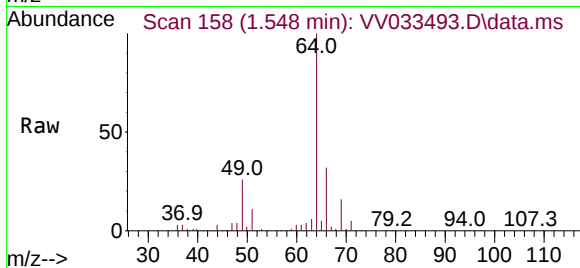




#8
Chloroethane
Concen: 50.291 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

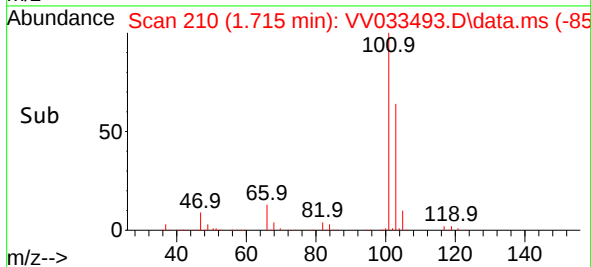
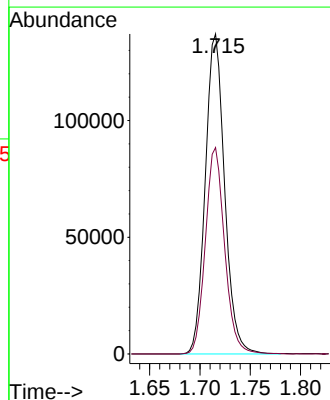
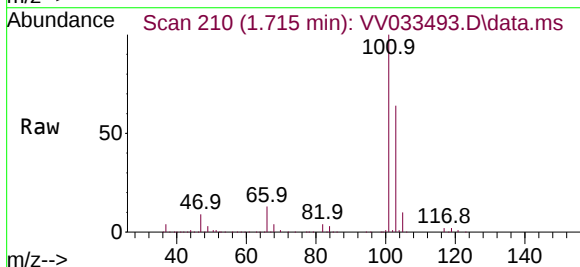
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ClientSampleId :

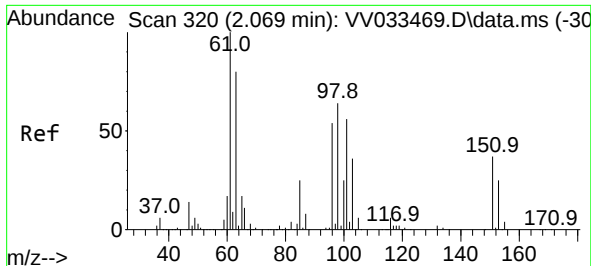
Tgt Ion: 64 Resp: 79384
Ion Ratio Lower Upper
64 100
66 31.7 22.1 41.1



#9
Trichlorofluoromethane
Concen: 44.712 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

Tgt Ion:101 Resp: 183320
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.4

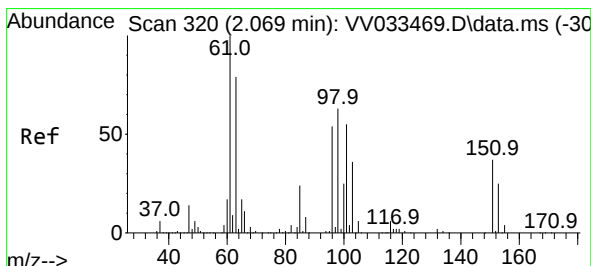
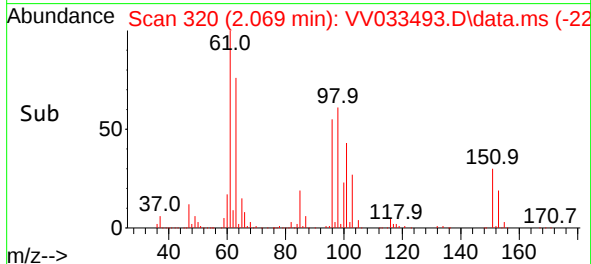
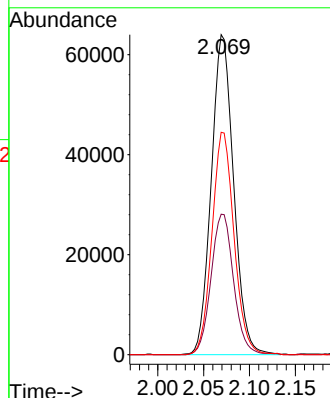
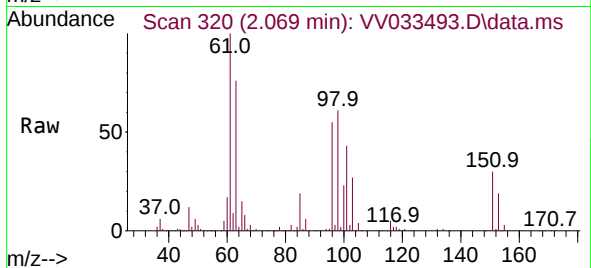




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.392 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033493.D
 Acq: 19 Dec 2023 21:09

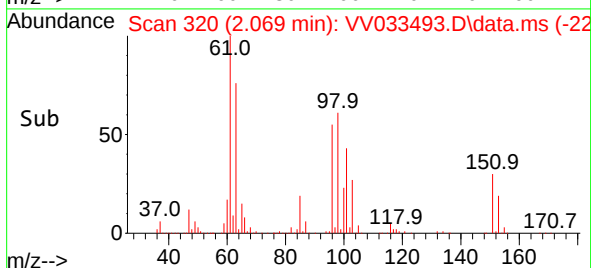
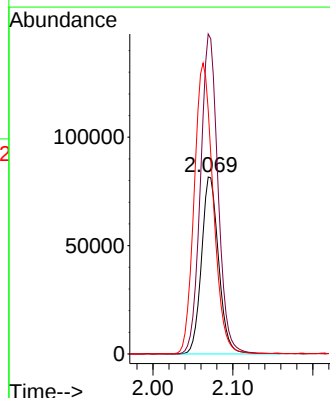
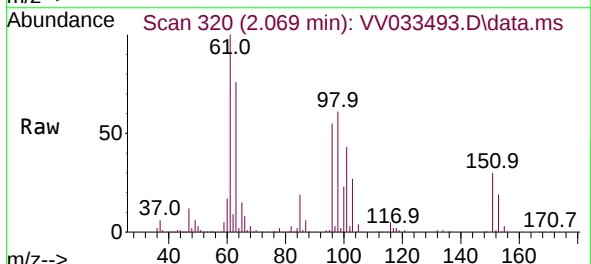
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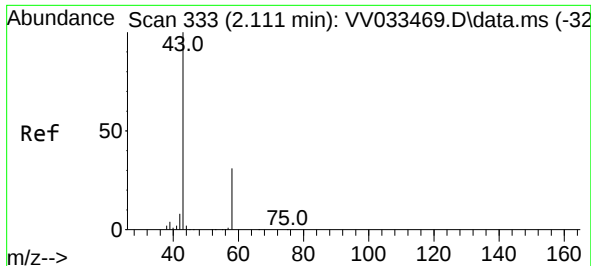
Tgt Ion:101 Resp: 108578
 Ion Ratio Lower Upper
 101 100
 85 44.1 36.6 54.8
 151 68.6 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 60.051 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033493.D
 Acq: 19 Dec 2023 21:09

Tgt Ion: 96 Resp: 122027
 Ion Ratio Lower Upper
 96 100
 61 180.9 124.3 230.8
 63 138.0 108.1 200.7





#13

Acetone

Concen: 96.612 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

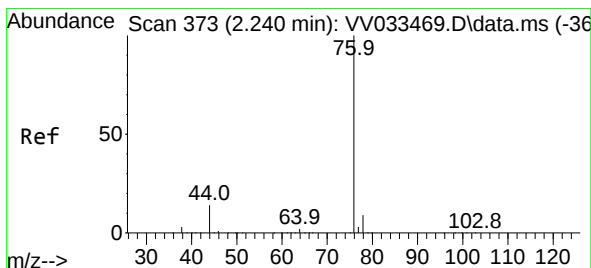
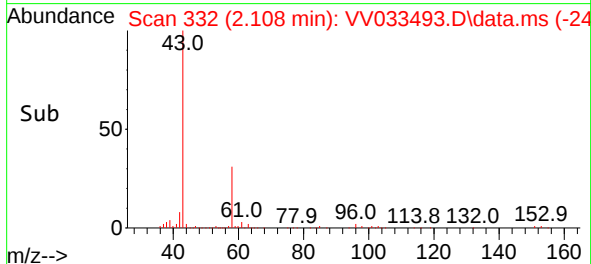
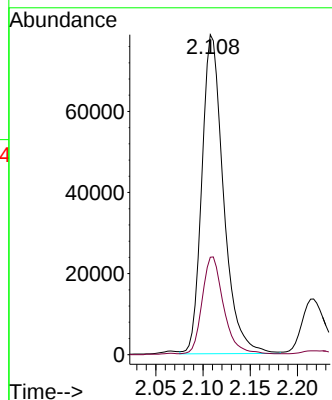
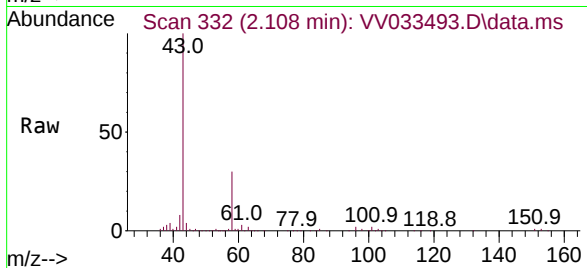
ClientSampleId :

Tgt Ion: 43 Resp: 125510

Ion Ratio Lower Upper

43 100

58 29.7 0.0 59.2



#14

Carbon disulfide

Concen: 46.781 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033493.D

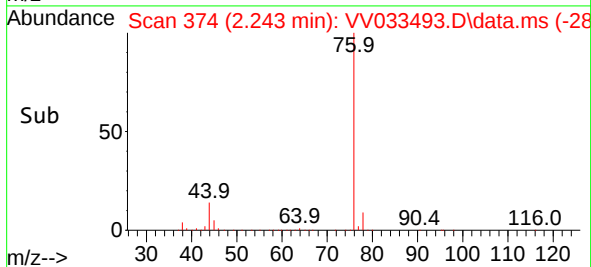
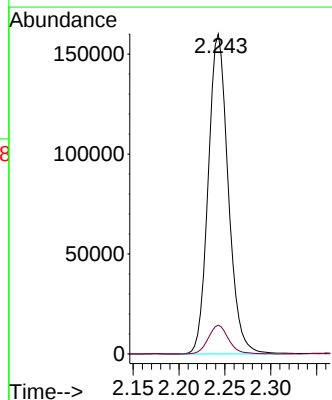
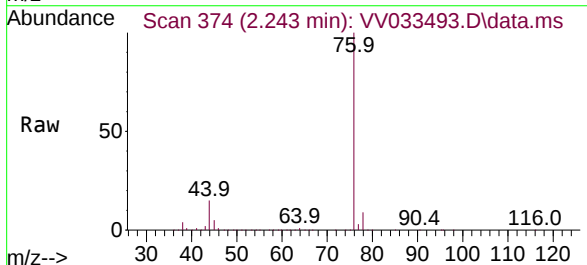
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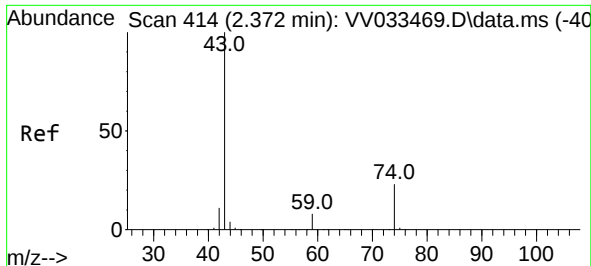
Tgt Ion: 76 Resp: 242924

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

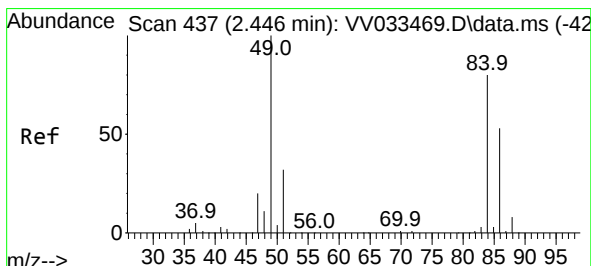
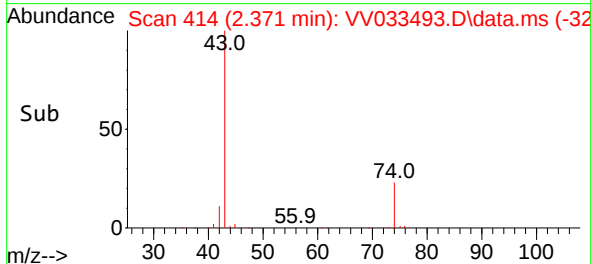
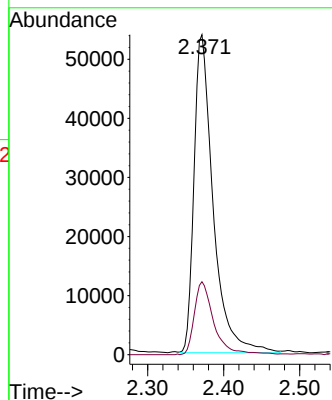
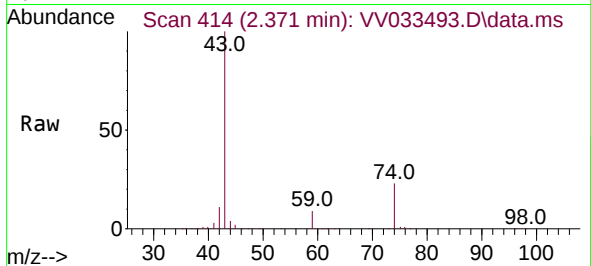




#15
Methyl Acetate
Concen: 50.701 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

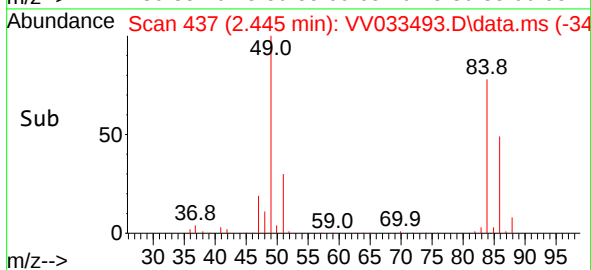
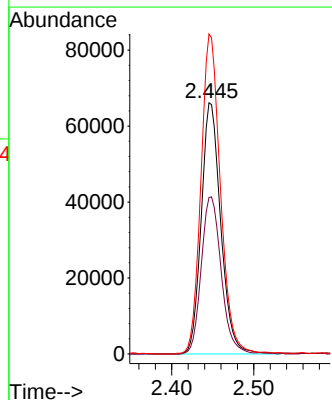
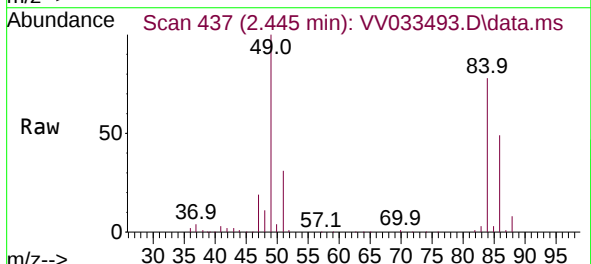
Instrument :
MSVOA_V
ClientSampleId :

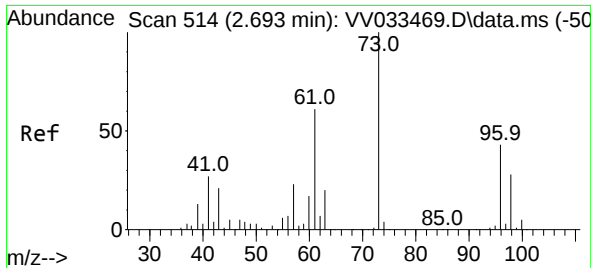
Tgt Ion: 43 Resp: 94069
Ion Ratio Lower Upper
43 100
74 22.8 20.8 31.2



#16
Methylene chloride
Concen: 48.146 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

Tgt Ion: 84 Resp: 109267
Ion Ratio Lower Upper
84 100
86 62.3 45.4 84.2
49 127.4 83.3 154.7

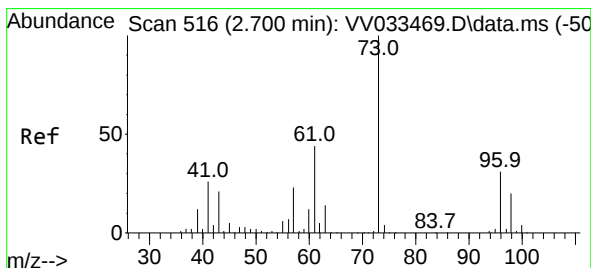
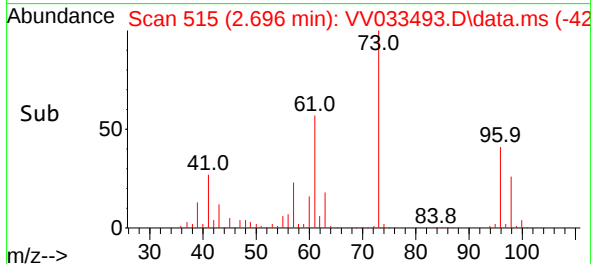
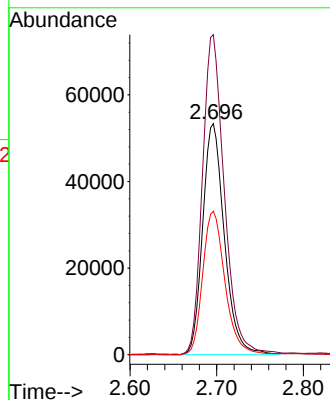
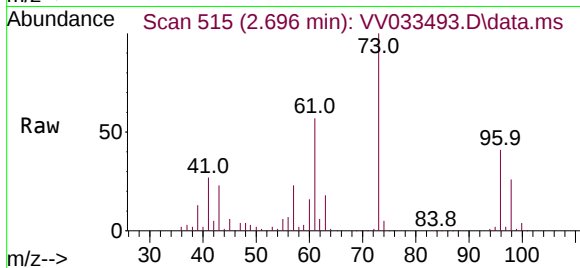




#17
trans-1,2-Dichloroethene
Concen: 48.476 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

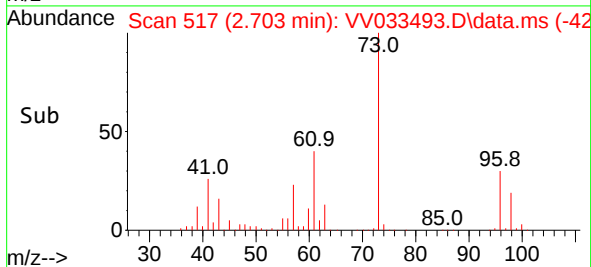
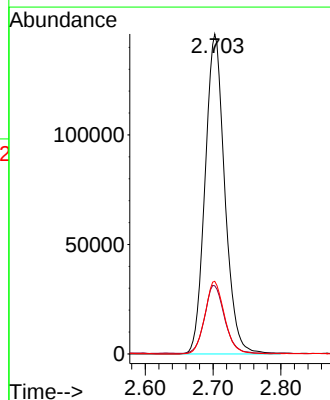
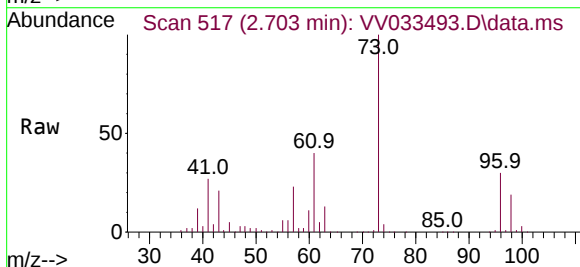
Instrument :
MSVOA_V
ClientSampleId :

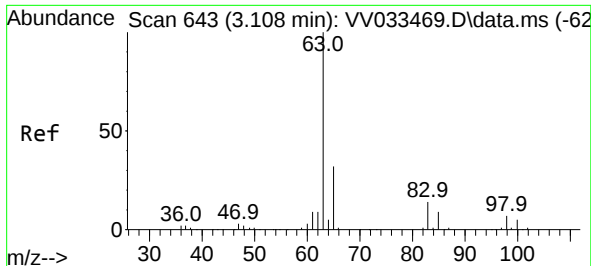
Tgt Ion: 96 Resp: 93108
Ion Ratio Lower Upper
96 100
61 138.5 89.6 166.4
98 62.1 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 50.483 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

Tgt Ion: 73 Resp: 294458
Ion Ratio Lower Upper
73 100
43 21.6 16.3 24.5
57 22.7 17.3 25.9





#19

1,1-Dichloroethane

Concen: 54.938 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

ClientSampleId :

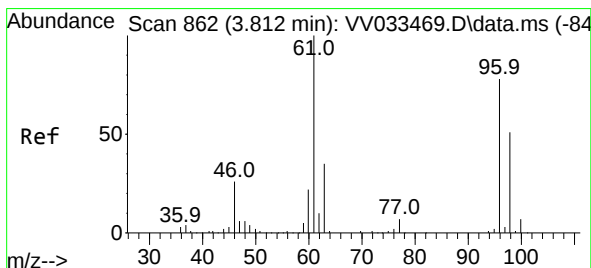
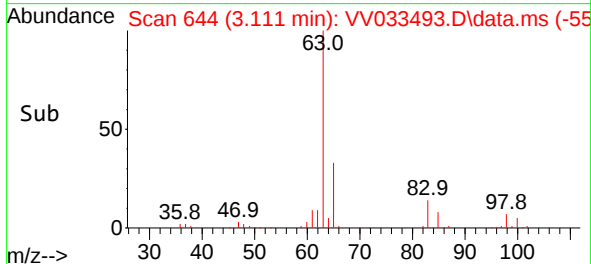
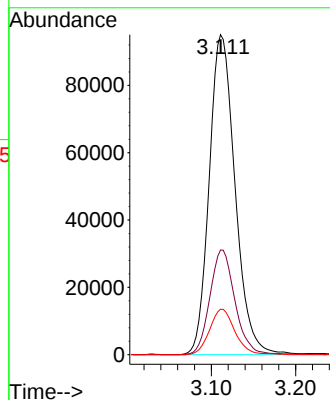
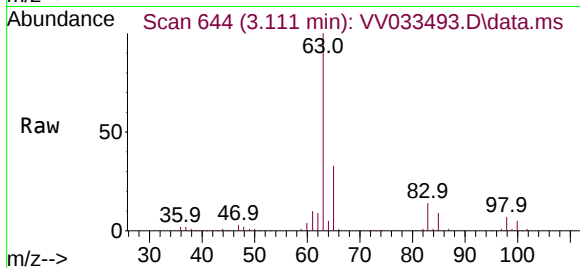
Tgt Ion: 63 Resp: 202240

Ion Ratio Lower Upper

63 100

65 32.7 21.1 39.3

83 14.2 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 47.631 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

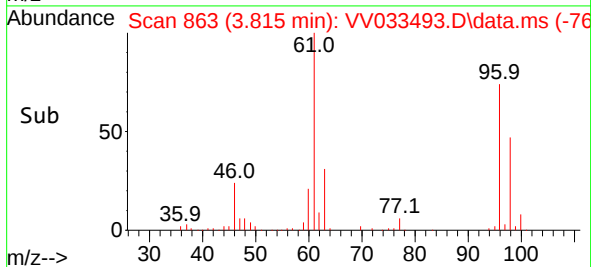
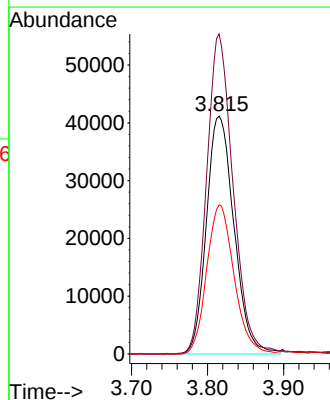
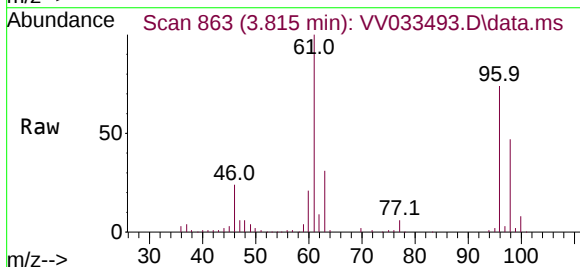
Tgt Ion: 96 Resp: 103728

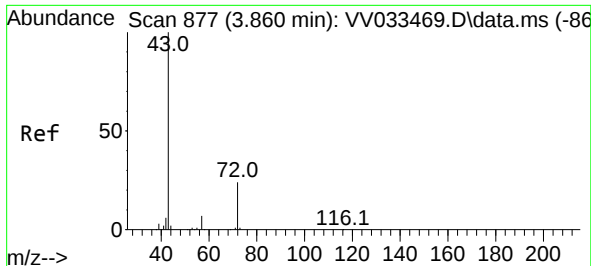
Ion Ratio Lower Upper

96 100

61 134.6 81.9 152.1

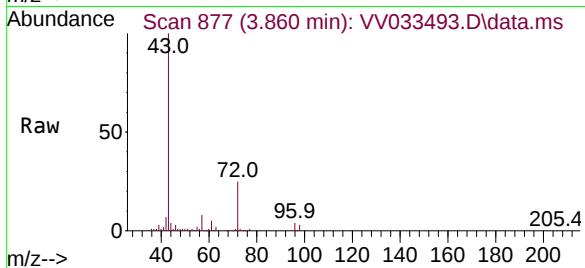
98 62.6 44.3 82.3



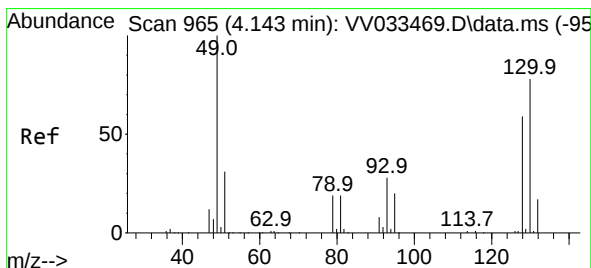
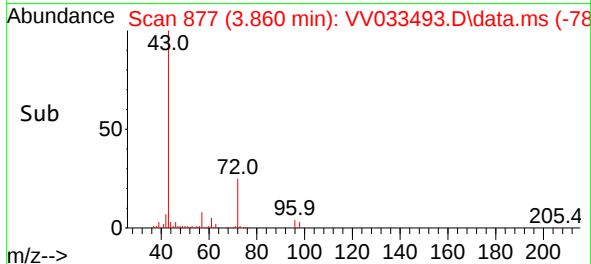
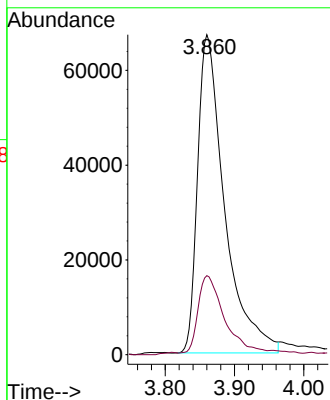


#22
2-Butanone
Concen: 142.247 ug/L
RT: 3.860 min Scan# 81
Delta R.T. -0.000 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

Instrument :
MSVOA_V
ClientSampleId :

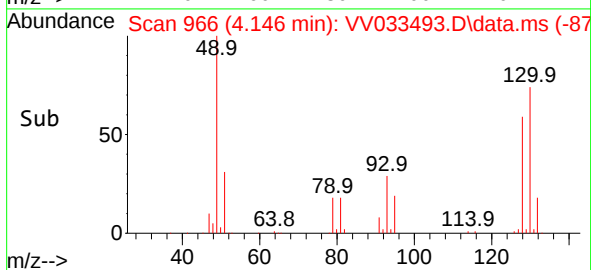
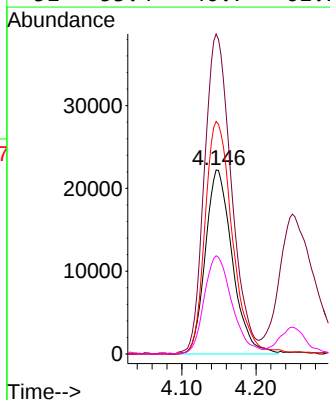
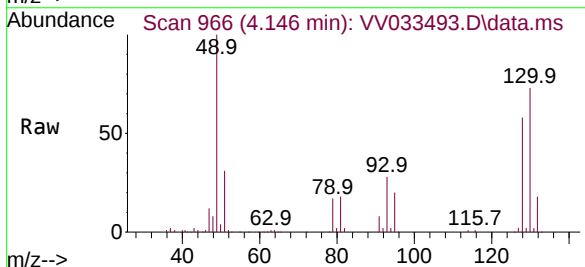


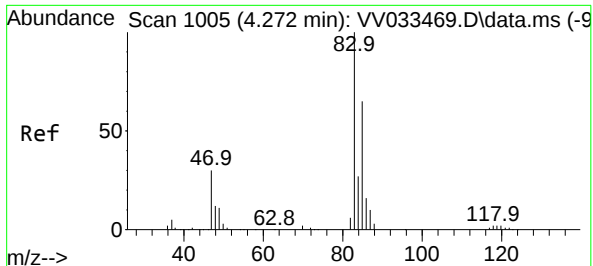
Tgt Ion: 43 Resp: 182062
Ion Ratio Lower Upper
43 100
72 23.6 12.4 37.4



#23
Bromochloromethane
Concen: 46.851 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

Tgt Ion:128 Resp: 55924
Ion Ratio Lower Upper
128 100
49 173.9 106.0 196.9
130 126.3 93.6 173.8
51 53.4 40.7 61.1





#25

Chloroform

Concen: 49.551 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

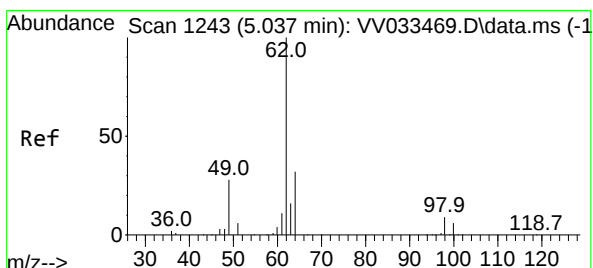
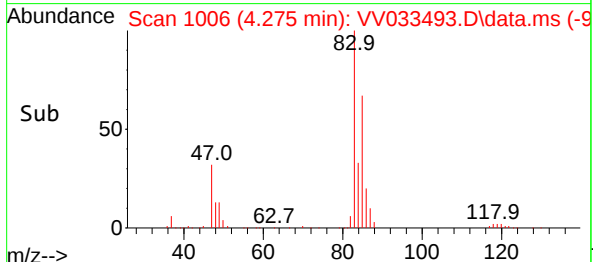
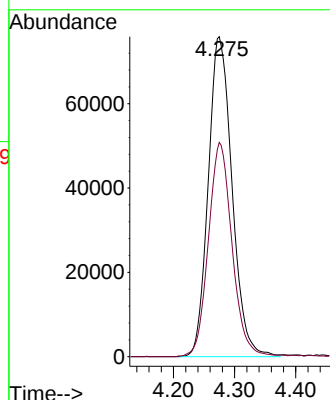
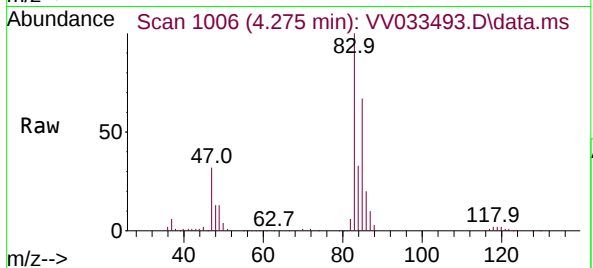
ClientSampleId :

Tgt Ion: 83 Resp: 205277

Ion Ratio Lower Upper

83 100

85 66.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 50.426 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033493.D

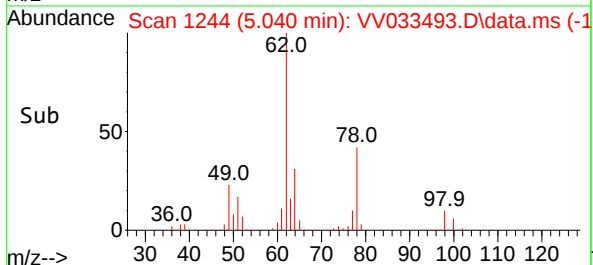
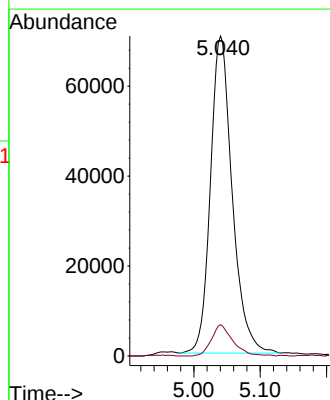
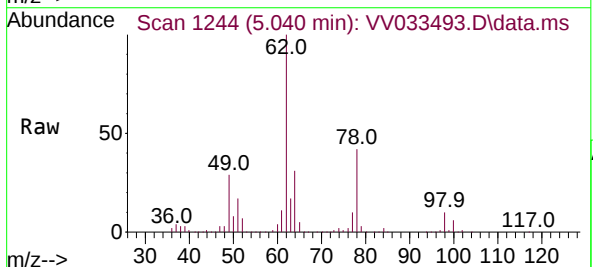
Acq: 19 Dec 2023 21:09

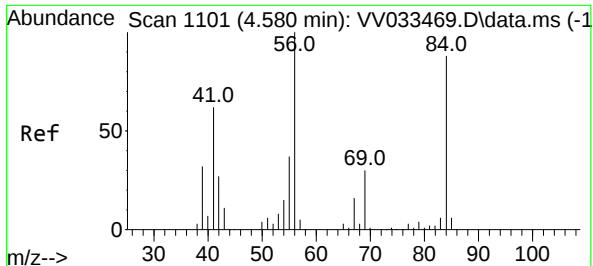
Tgt Ion: 62 Resp: 161026

Ion Ratio Lower Upper

62 100

98 9.8 8.0 12.0





#29

Cyclohexane

Concen: 55.645 ug/L

RT: 4.587 min Scan# 1101

Delta R.T. 0.006 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

ClientSampleId :

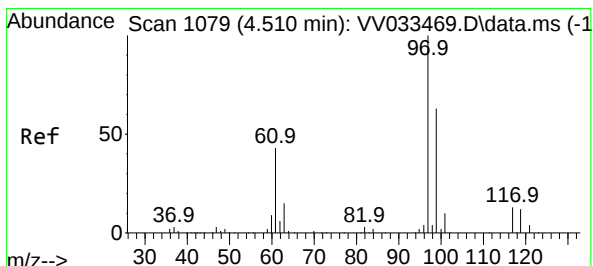
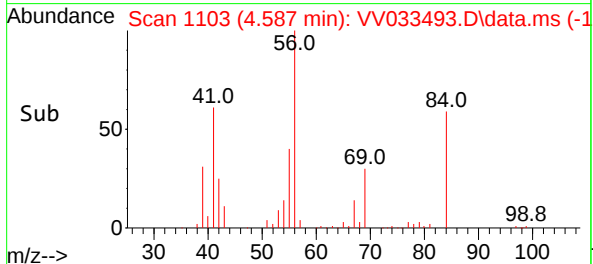
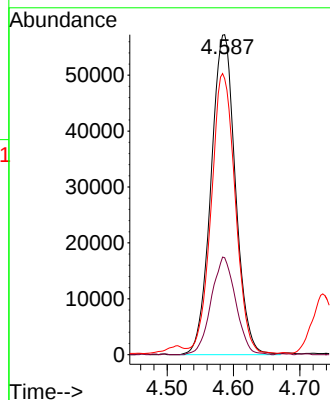
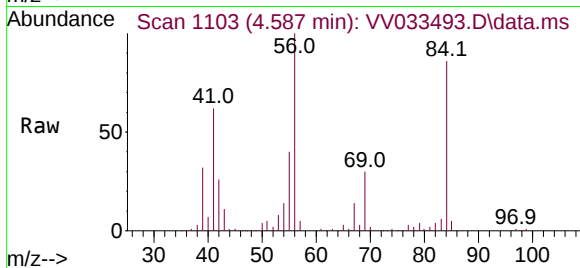
Tgt Ion: 56 Resp: 146399

Ion Ratio Lower Upper

56 100

69 30.6 25.8 38.6

84 85.7 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 51.399 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

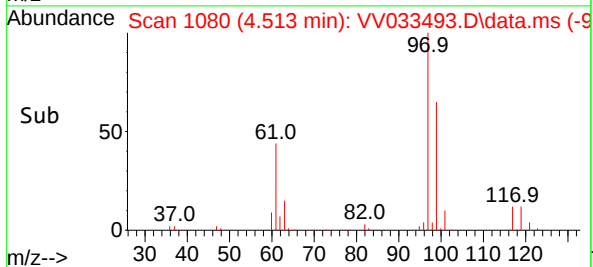
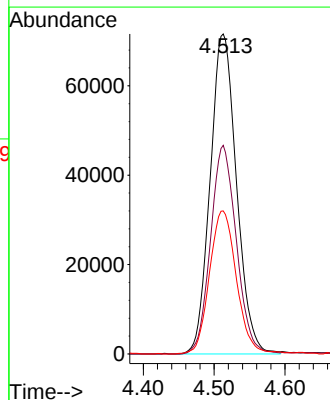
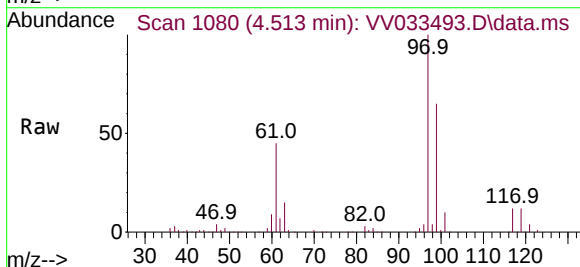
Tgt Ion: 97 Resp: 185246

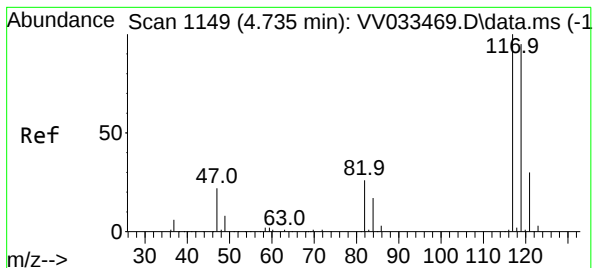
Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.6

61 45.8 34.8 52.2





#31

Carbon tetrachloride

Concen: 46.585 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

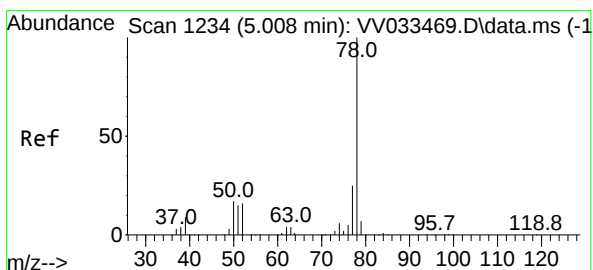
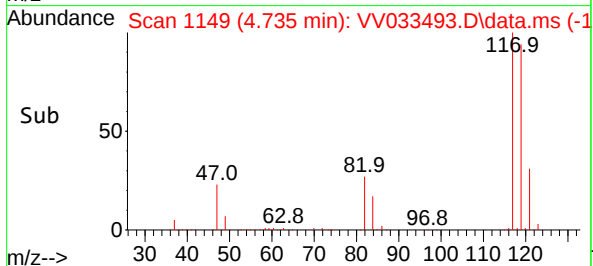
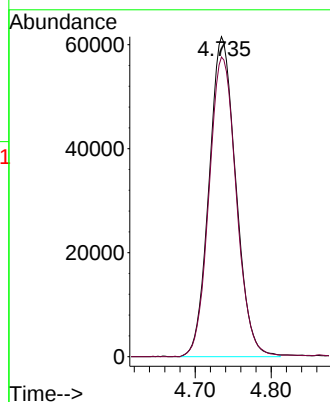
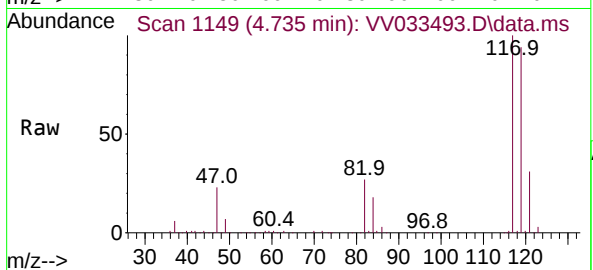
ClientSampleId :

Tgt Ion:117 Resp: 150256

Ion Ratio Lower Upper

117 100

119 95.4 77.8 116.6



#33

Benzene

Concen: 53.770 ug/L

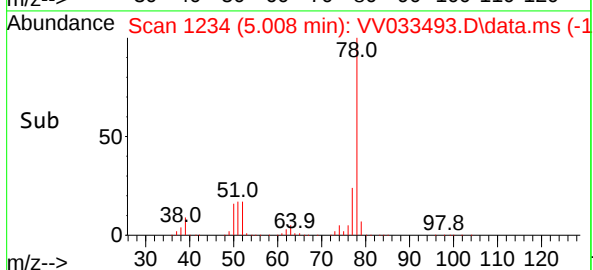
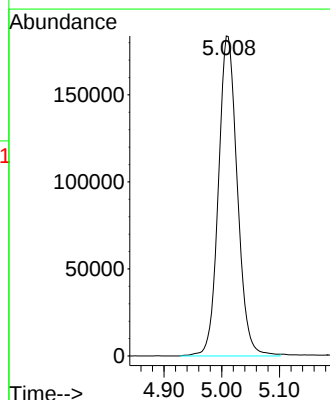
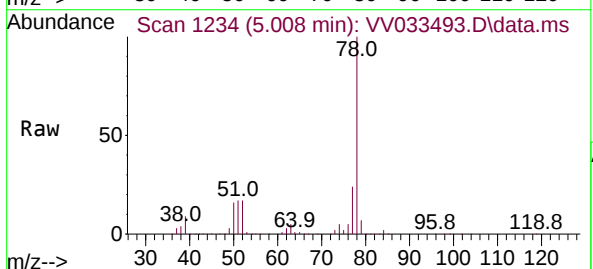
RT: 5.008 min Scan# 1234

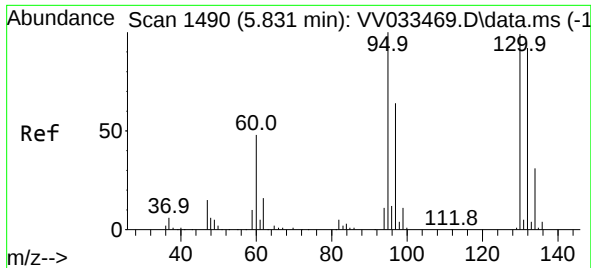
Delta R.T. -0.000 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Tgt Ion: 78 Resp: 418354

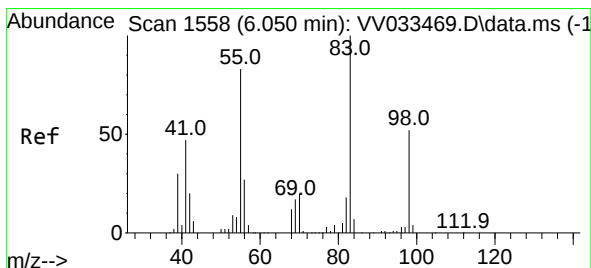
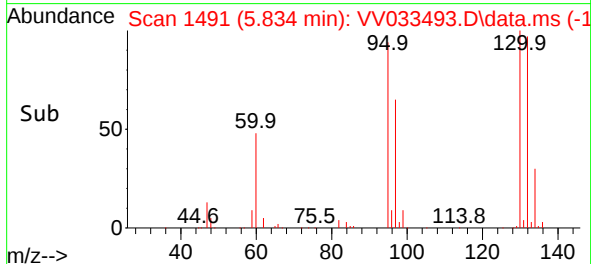
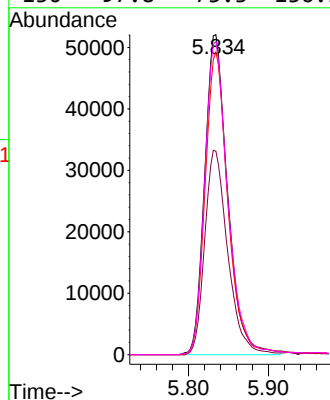
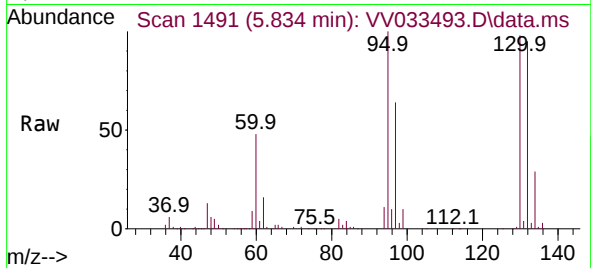




#34
Trichloroethene
Concen: 48.790 ug/L
RT: 5.834 min Scan# 1490
Delta R.T. 0.003 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

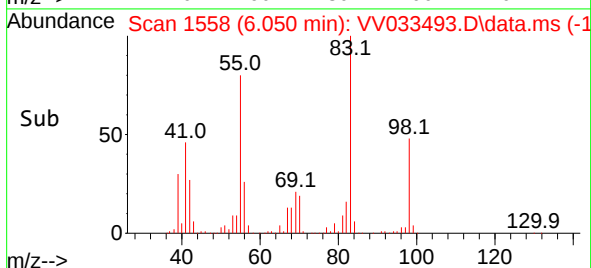
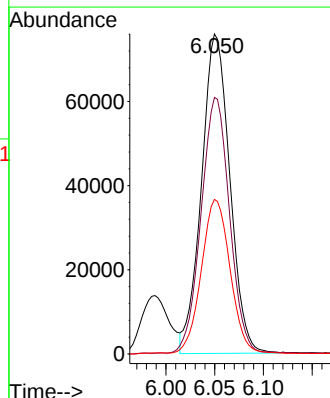
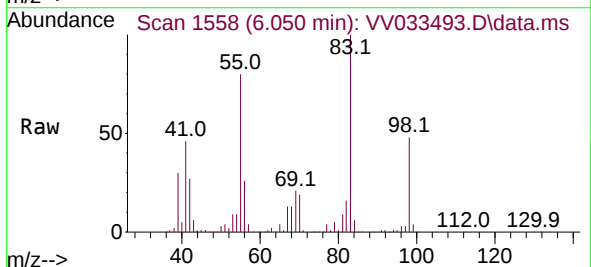
Instrument :
MSVOA_V
ClientSampleId :

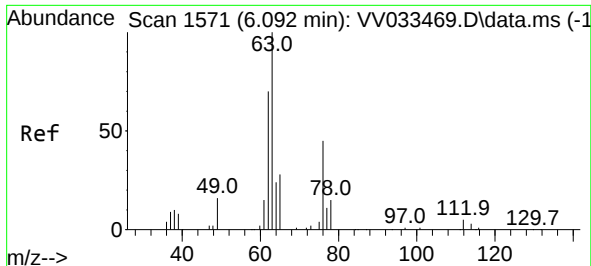
Tgt Ion: 95 Resp: 104145
Ion Ratio Lower Upper
95 100
97 63.6 44.8 83.2
132 94.6 69.9 129.7
130 97.8 73.3 136.1



#35
Methylcyclohexane
Concen: 50.119 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.000 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

Tgt Ion: 83 Resp: 153441
Ion Ratio Lower Upper
83 100
55 80.1 58.6 88.0
98 49.1 40.9 61.3





#37

1,2-Dichloropropane

Concen: 53.413 ug/L

RT: 6.091 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

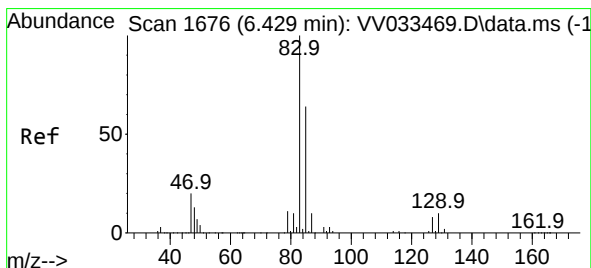
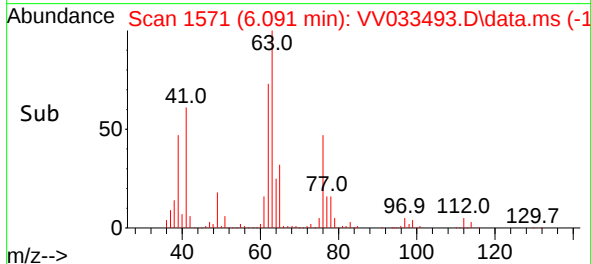
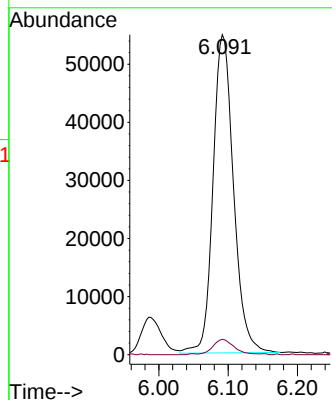
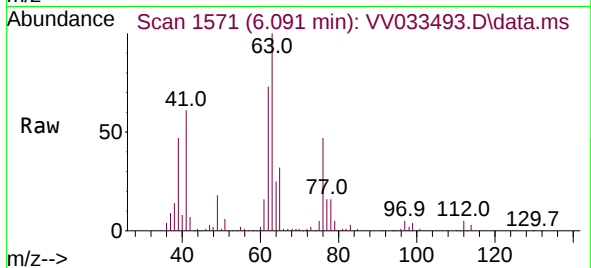
ClientSampleId :

Tgt Ion: 63 Resp: 112703

Ion Ratio Lower Upper

63 100

112 5.0 3.7 5.5



#38

Bromodichloromethane

Concen: 50.450 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

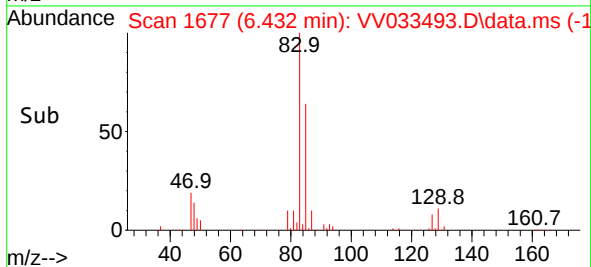
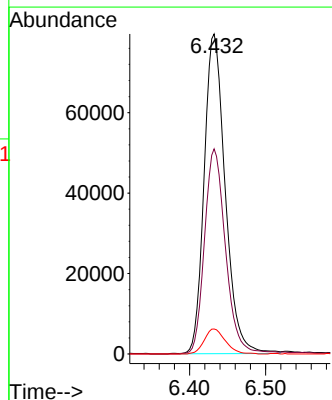
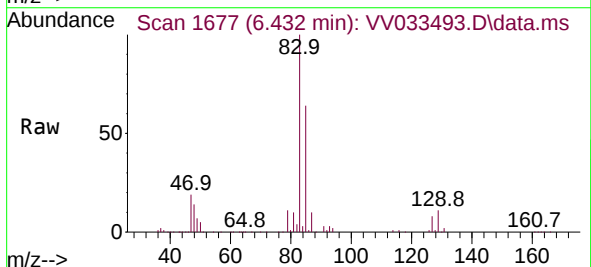
Tgt Ion: 83 Resp: 153210

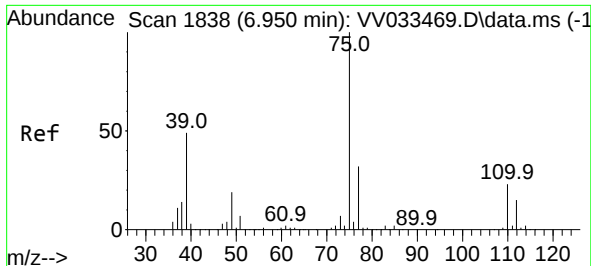
Ion Ratio Lower Upper

83 100

85 64.1 45.2 84.0

127 7.8 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 51.970 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

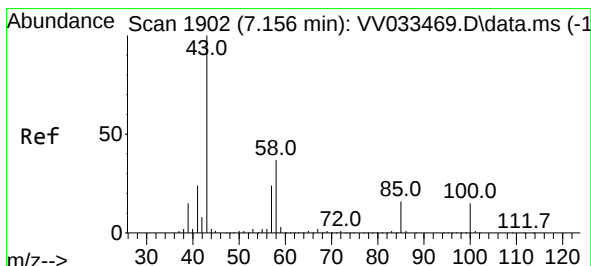
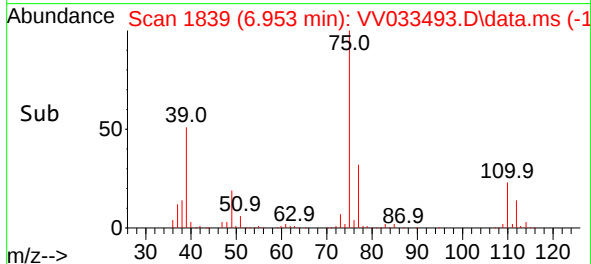
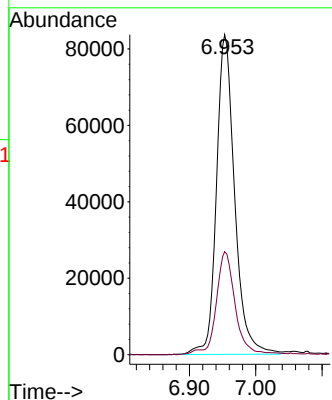
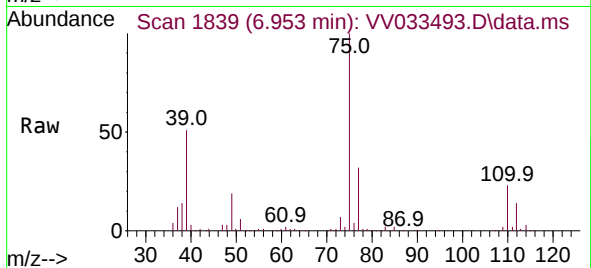
ClientSampleId :

Tgt Ion: 75 Resp: 159528

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 116.862 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

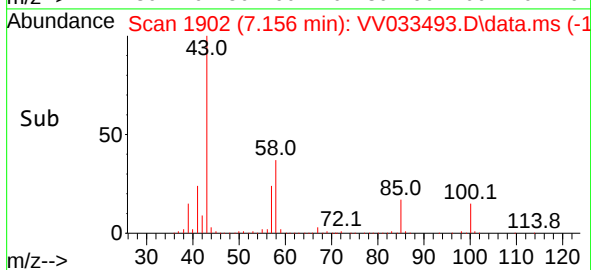
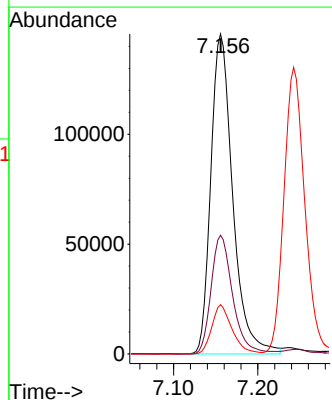
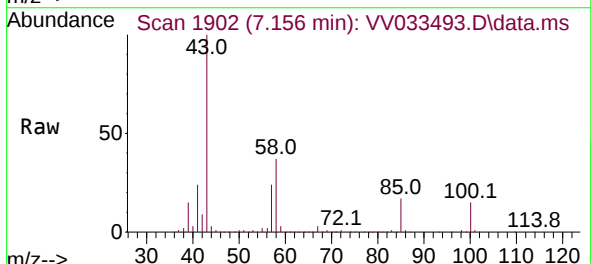
Tgt Ion: 43 Resp: 263140

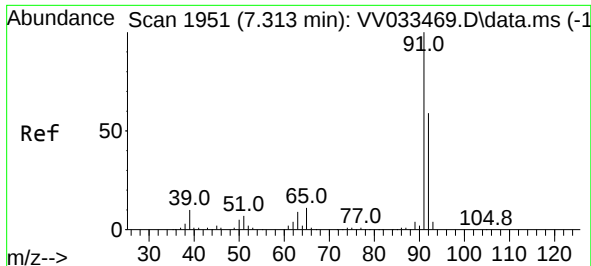
Ion Ratio Lower Upper

43 100

58 36.4 30.7 46.1

100 14.2 13.6 20.4





#42

Toluene

Concen: 53.042 ug/L

RT: 7.316 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

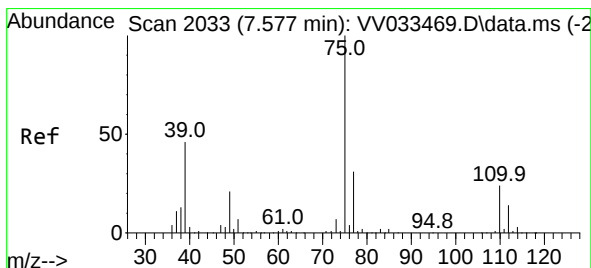
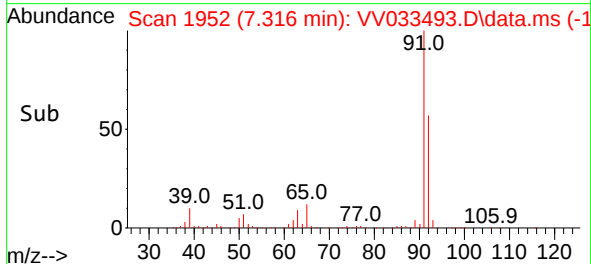
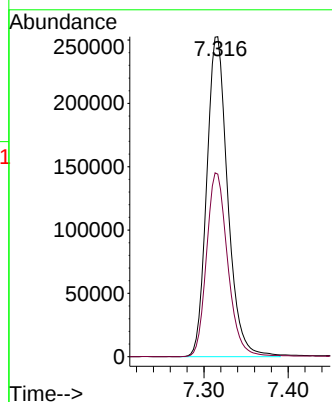
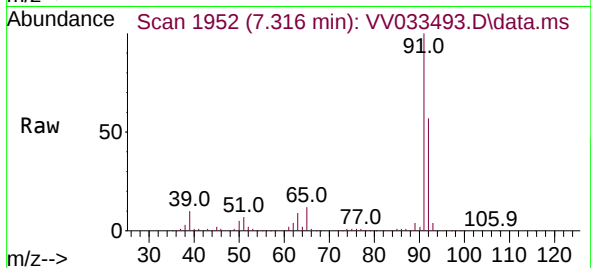
ClientSampleId :

Tgt Ion: 91 Resp: 437408

Ion Ratio Lower Upper

91 100

92 57.0 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 51.724 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV033493.D

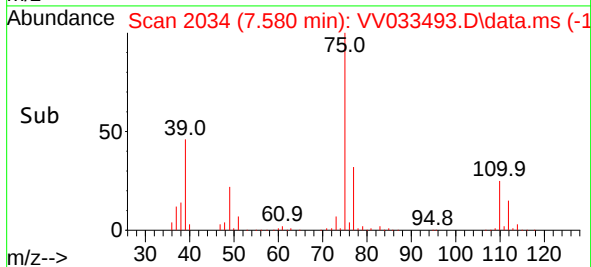
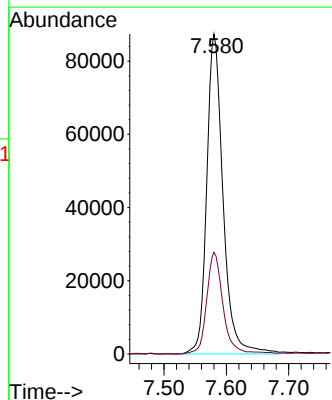
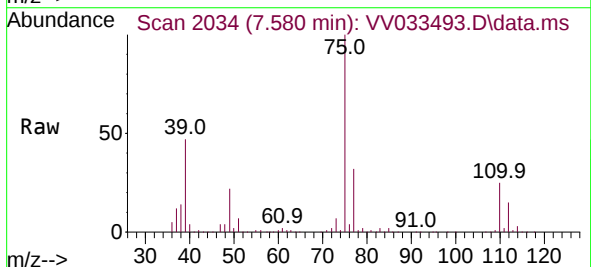
Acq: 19 Dec 2023 21:09

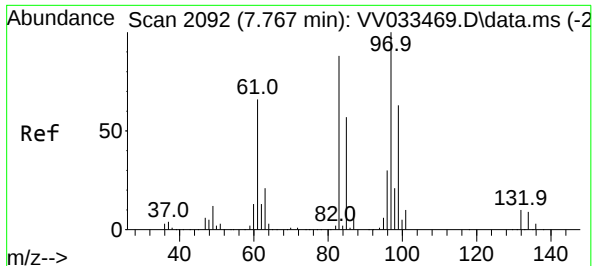
Tgt Ion: 75 Resp: 159323

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 50.527 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 111122

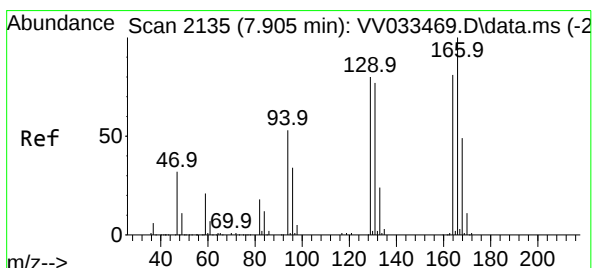
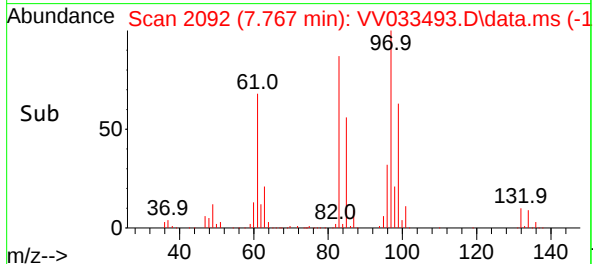
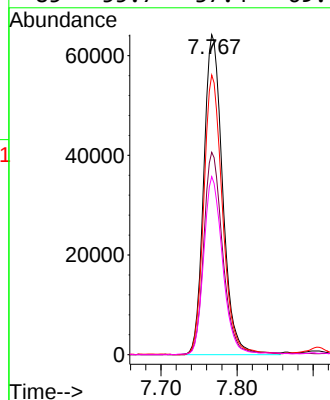
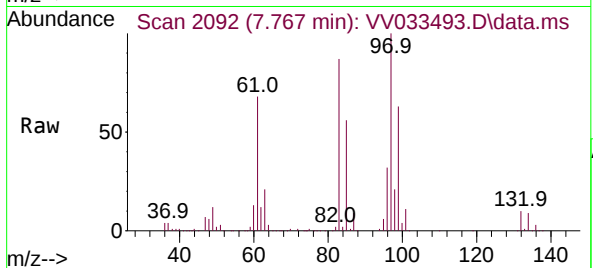
Ion Ratio Lower Upper

97 100

99 63.3 43.5 80.7

83 87.4 61.0 113.4

85 55.7 37.4 69.4



#46

Tetrachloroethene

Concen: 45.689 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Tgt Ion:164 Resp: 76203

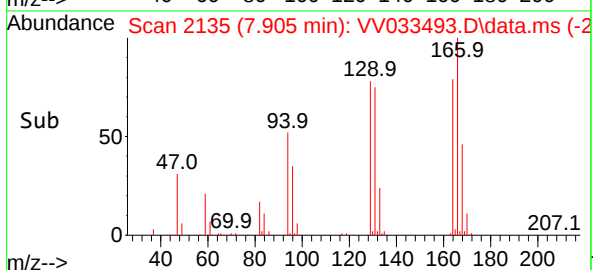
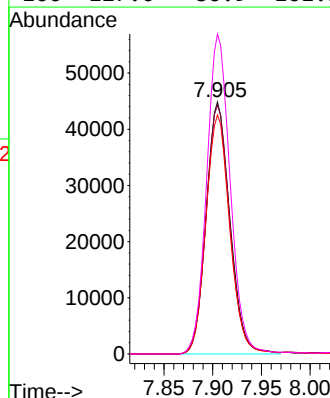
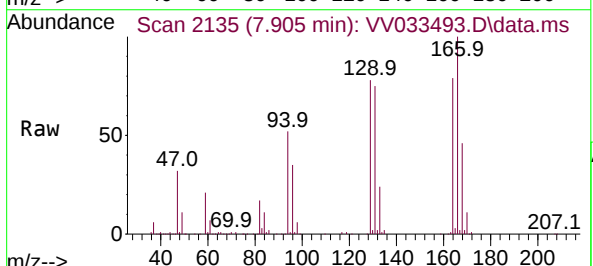
Ion Ratio Lower Upper

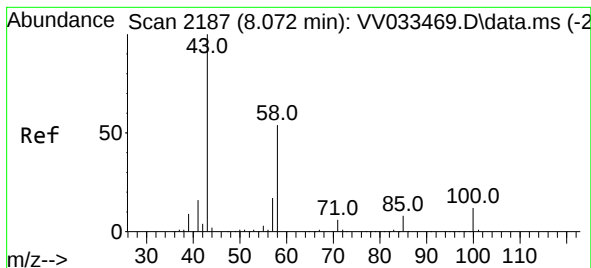
164 100

129 98.8 68.9 127.9

131 94.9 65.3 121.3

166 127.0 86.9 161.3





#48

2-Hexanone

Concen: 105.059 ug/L

RT: 8.075 min Scan# 2187

Delta R.T. 0.003 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 197307

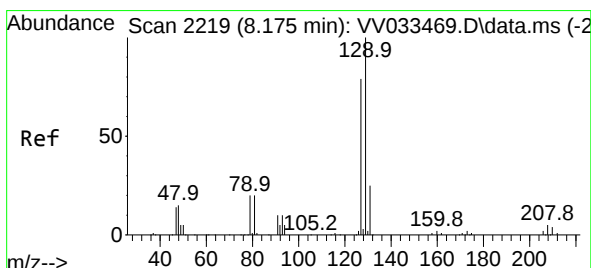
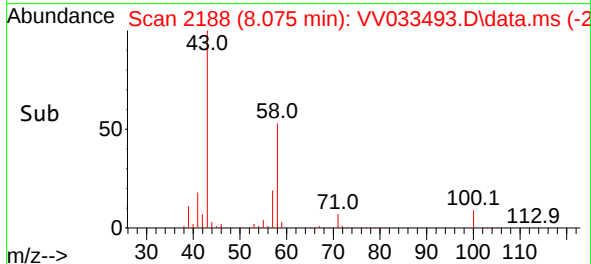
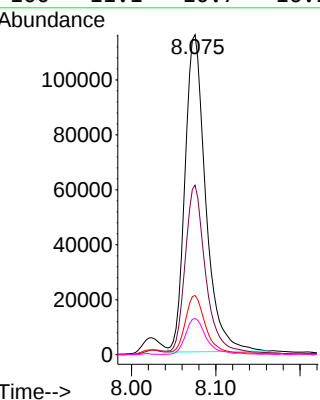
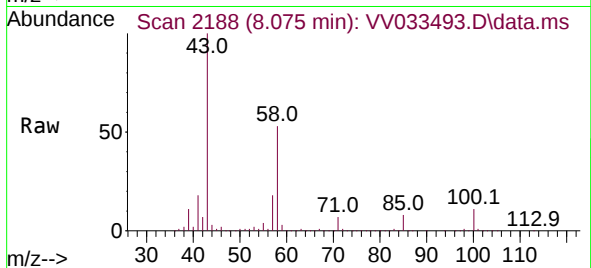
Ion Ratio Lower Upper

43 100

58 53.4 43.0 64.6

57 18.4 14.7 22.1

100 11.1 10.7 16.1



#49

Dibromochloromethane

Concen: 47.237 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.000 min

Lab File: VV033493.D

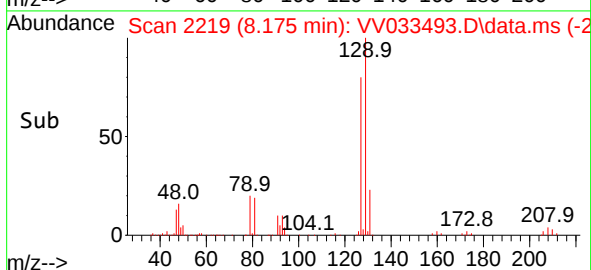
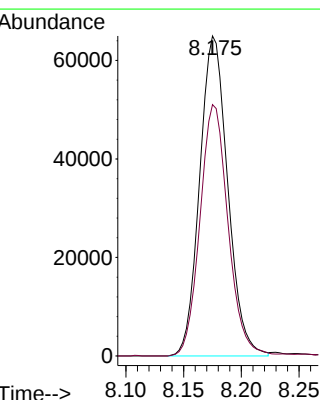
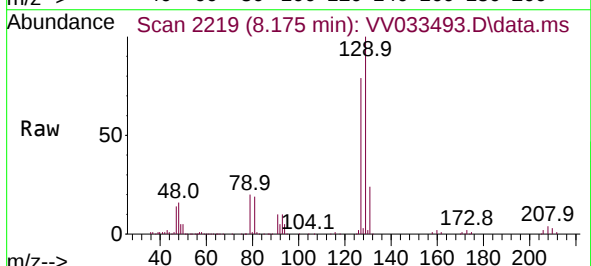
Acq: 19 Dec 2023 21:09

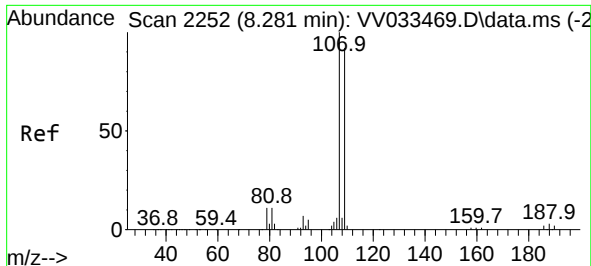
Tgt Ion: 129 Resp: 109849

Ion Ratio Lower Upper

129 100

127 78.6 53.3 98.9





#50

1,2-Dibromoethane

Concen: 48.487 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

ClientSampleId :

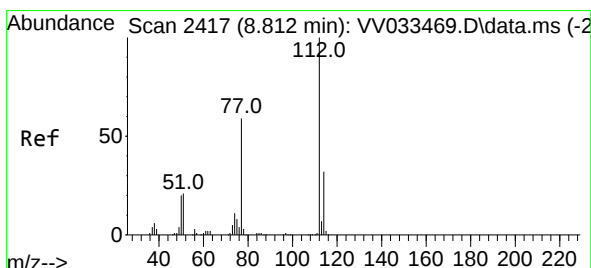
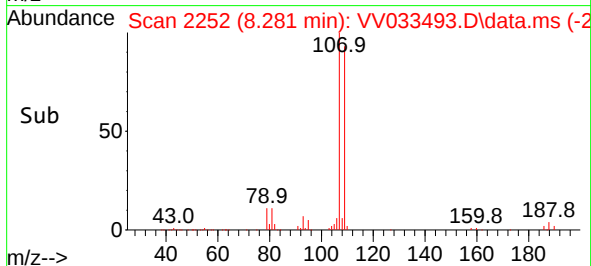
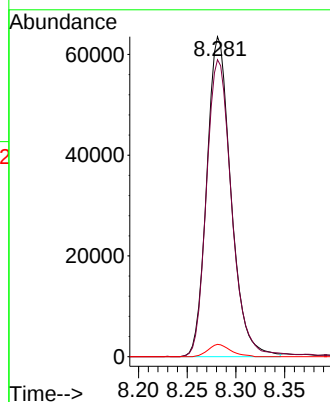
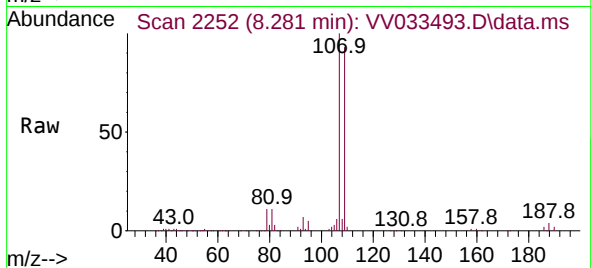
Tgt Ion:107 Resp: 109920

Ion Ratio Lower Upper

107 100

109 92.8 64.2 119.2

188 3.8 2.9 4.3



#51

Chlorobenzene

Concen: 48.571 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

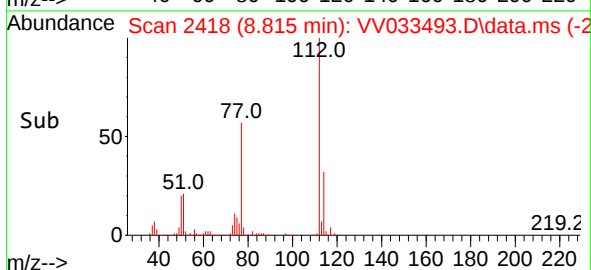
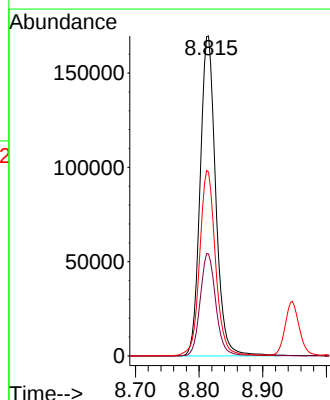
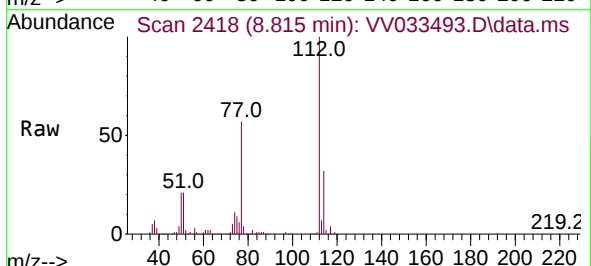
Tgt Ion:112 Resp: 288659

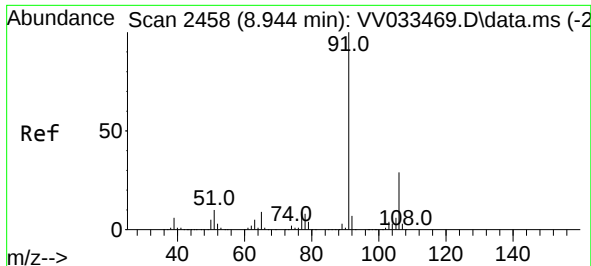
Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.7

77 57.5 45.2 67.8

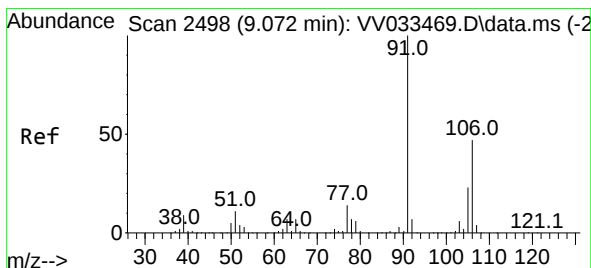
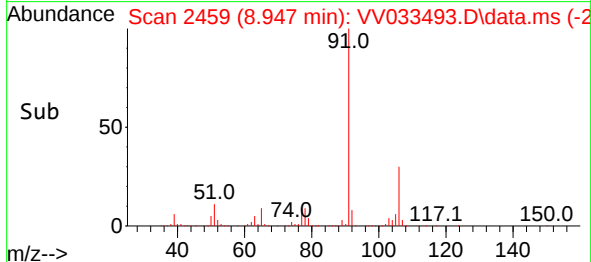
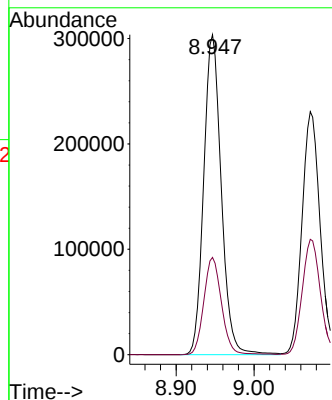
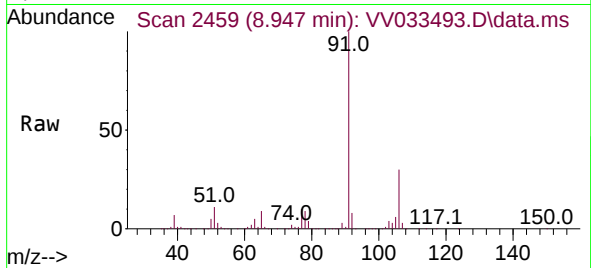




#52
Ethylbenzene
Concen: 51.679 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

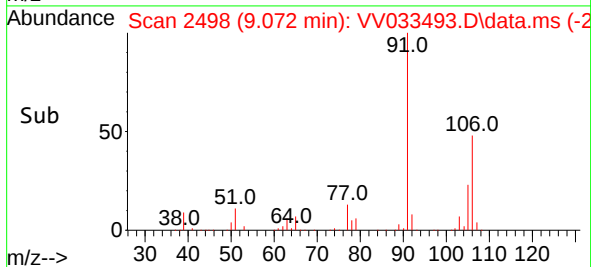
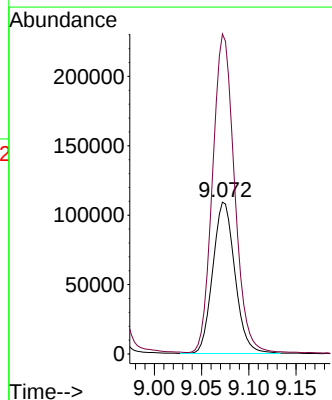
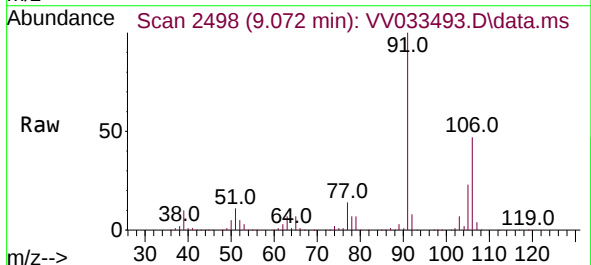
Instrument :
MSVOA_V
ClientSampleId :

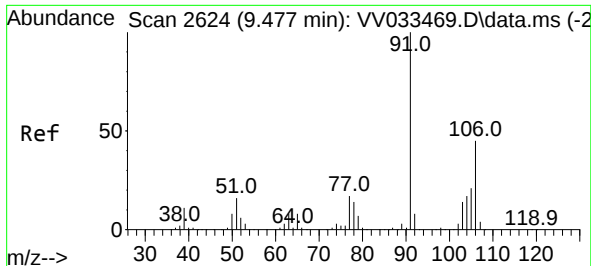
Tgt Ion: 91 Resp: 474620
Ion Ratio Lower Upper
91 100
106 30.4 21.6 40.2



#53
m,p-Xylene
Concen: 51.573 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

Tgt Ion: 106 Resp: 177951
Ion Ratio Lower Upper
106 100
91 210.7 143.0 265.6

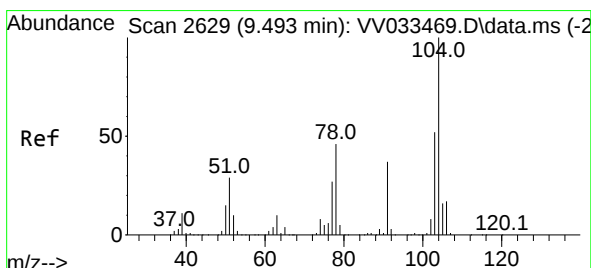
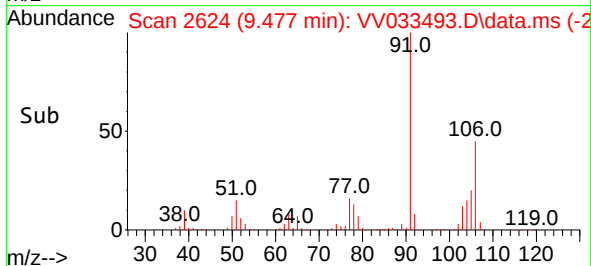
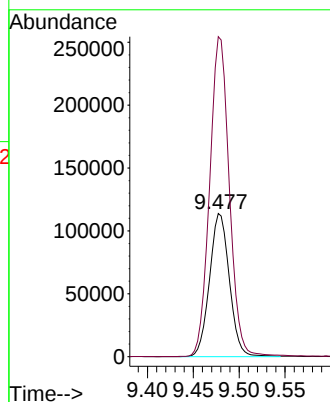
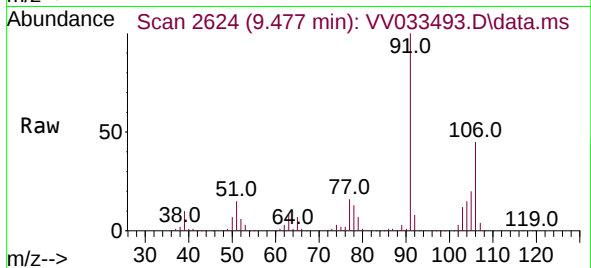




#54
o-Xylene
Concen: 51.274 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

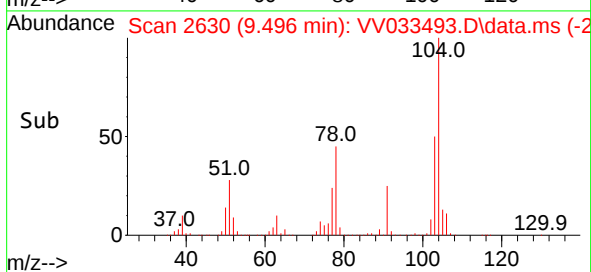
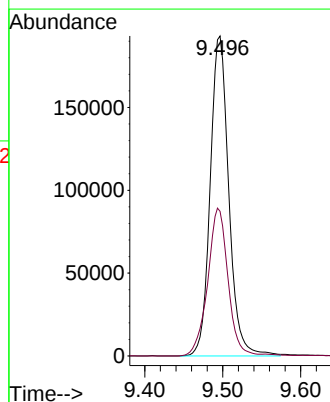
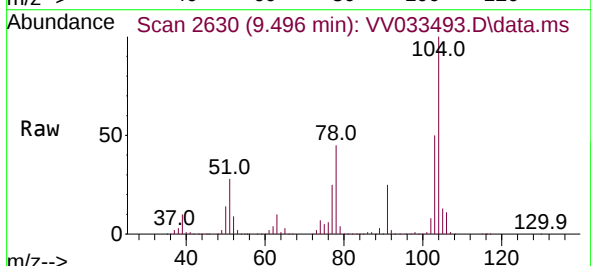
Instrument :
MSVOA_V
ClientSampleId :

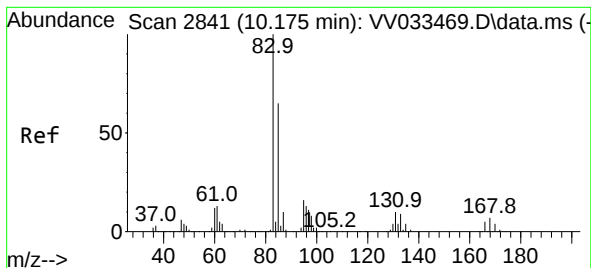
Tgt Ion:106 Resp: 171791
Ion Ratio Lower Upper
106 100
91 223.4 149.7 278.1



#55
Styrene
Concen: 54.090 ug/L
RT: 9.496 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

Tgt Ion:104 Resp: 319831
Ion Ratio Lower Upper
104 100
78 45.2 30.2 56.2





#57

1,1,2,2-Tetrachloroethane

Concen: 51.352 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

ClientSampleId :

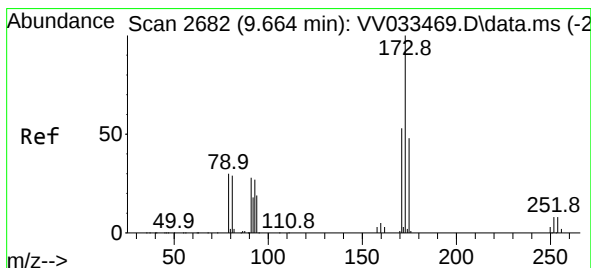
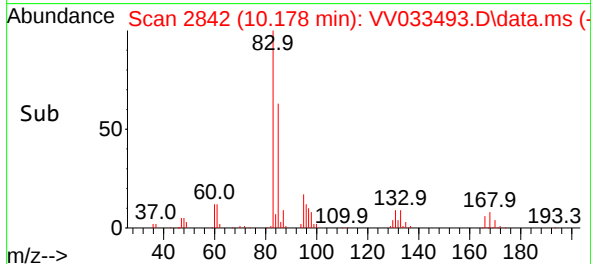
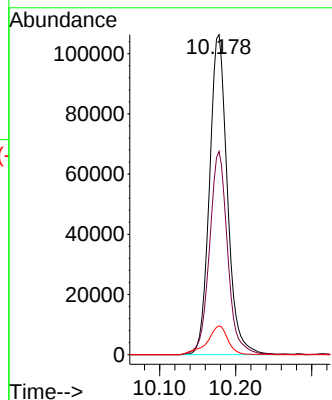
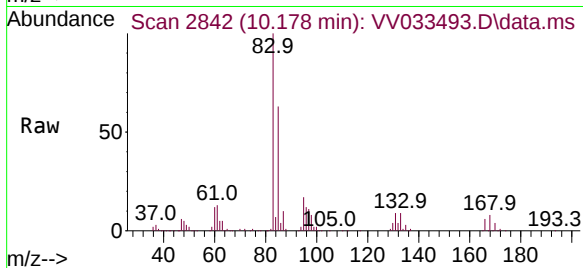
Tgt Ion: 83 Resp: 173450

Ion Ratio Lower Upper

83 100

85 63.5 44.8 83.2

131 9.0 8.6 12.8



#59

Bromoform

Concen: 43.974 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

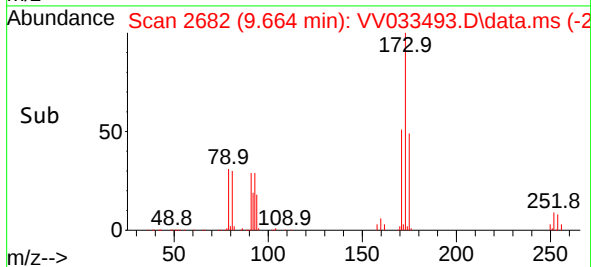
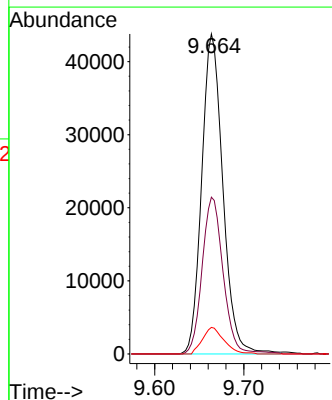
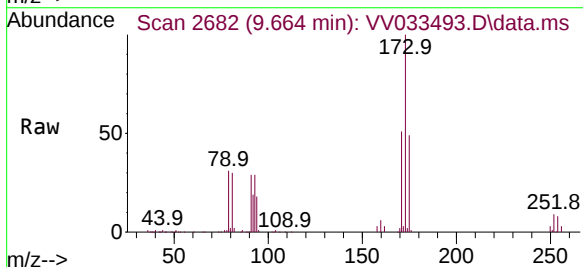
Tgt Ion: 173 Resp: 72294

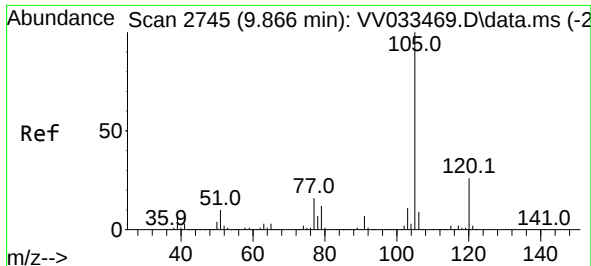
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

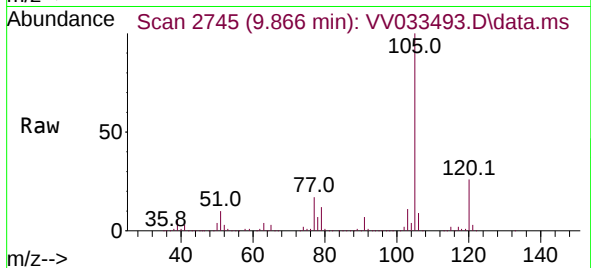
254 8.3 5.8 8.8



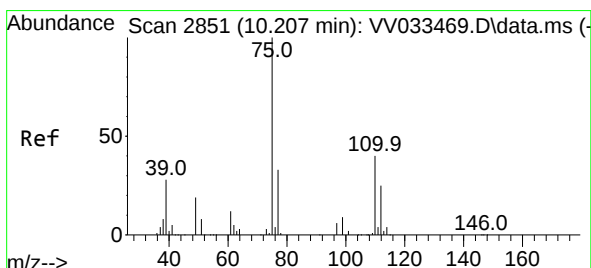
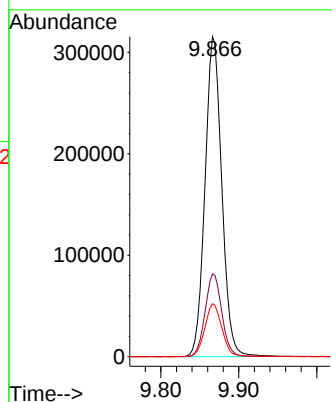
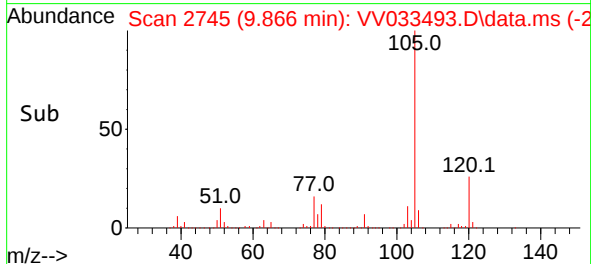


#60
Isopropylbenzene
Concen: 52.186 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

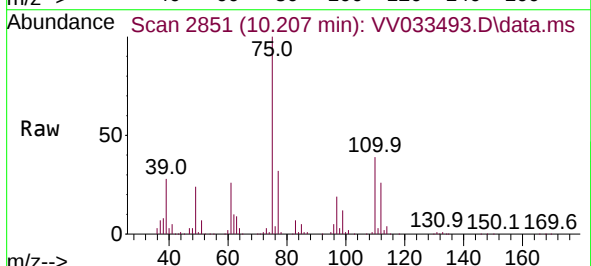
Instrument :
MSVOA_V
ClientSampleId :



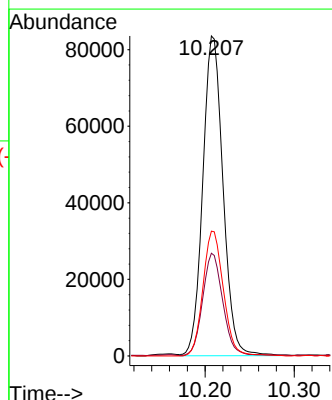
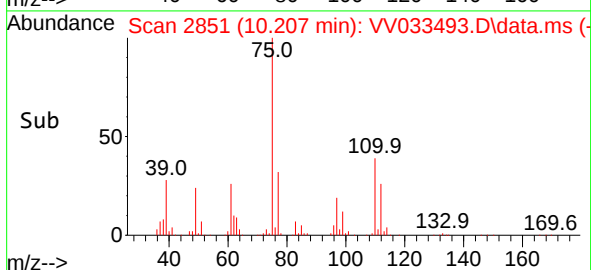
Tgt Ion:105 Resp: 472232
Ion Ratio Lower Upper
105 100
120 25.7 21.2 31.8
77 16.7 12.5 18.7

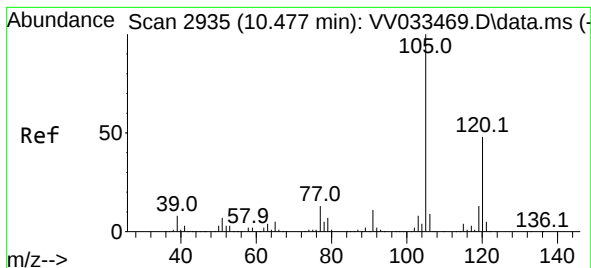


#61
1,2,3-Trichloropropane
Concen: 51.630 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09



Tgt Ion: 75 Resp: 131866
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5
110 39.4 33.9 50.9





#62

1,3,5-Trimethylbenzene

Concen: 51.665 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

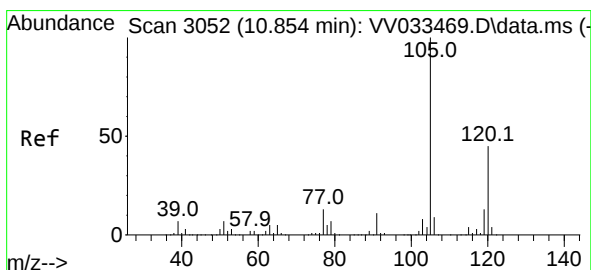
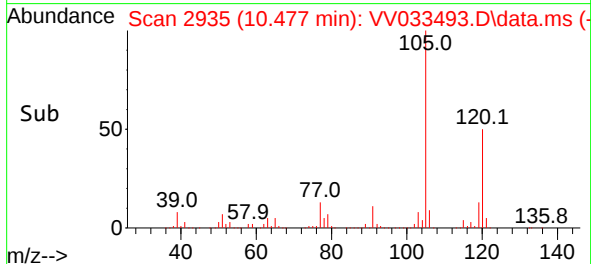
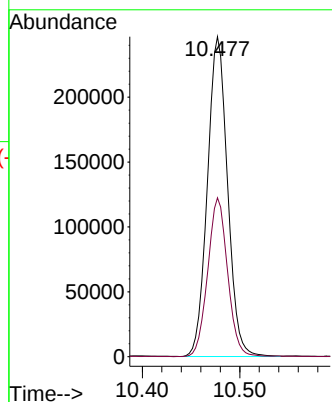
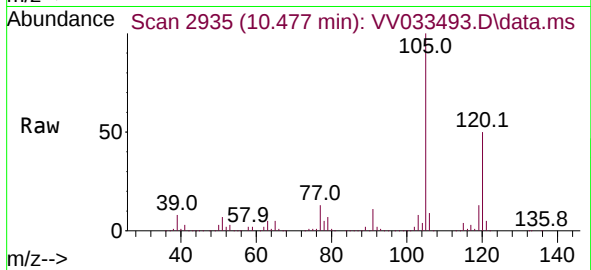
ClientSampleId :

Tgt Ion:105 Resp: 354330

Ion Ratio Lower Upper

105 100

120 49.0 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 52.539 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV033493.D

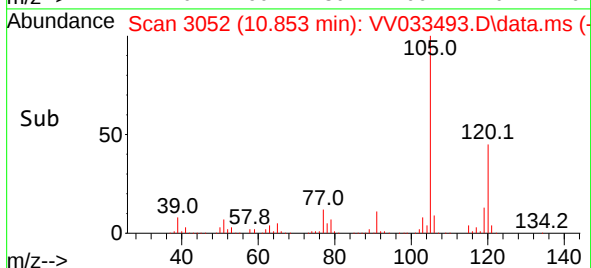
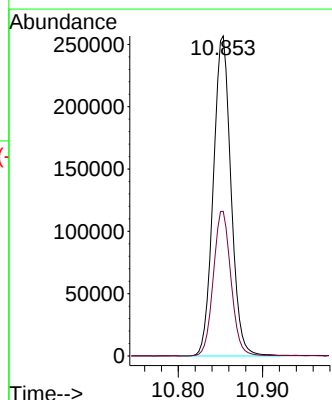
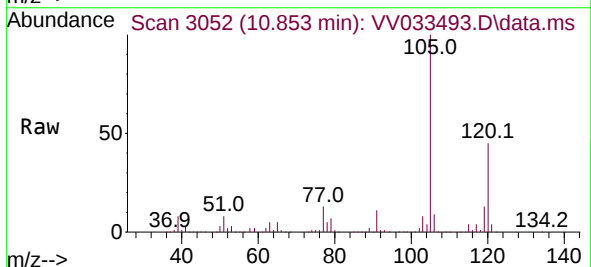
Acq: 19 Dec 2023 21:09

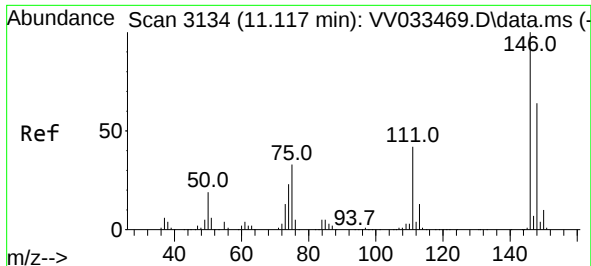
Tgt Ion:105 Resp: 374222

Ion Ratio Lower Upper

105 100

120 45.2 36.2 54.4

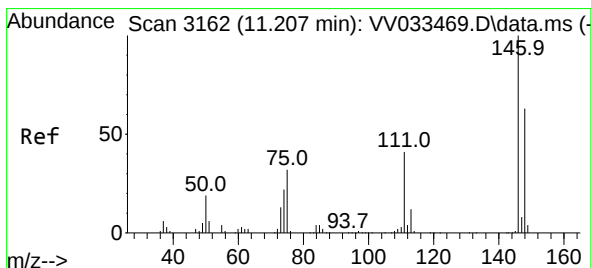
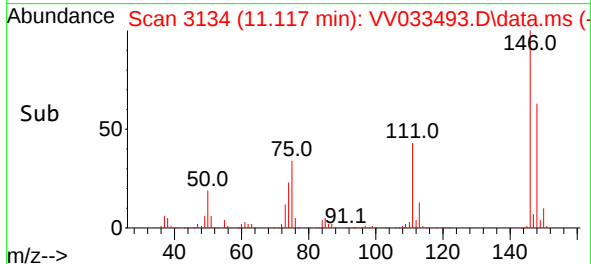
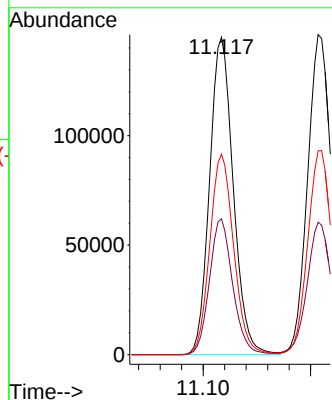
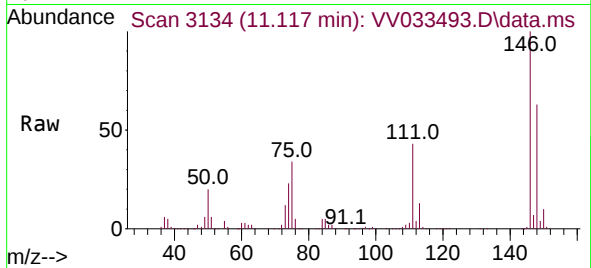




#64
1,3-Dichlorobenzene
Concen: 47.062 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

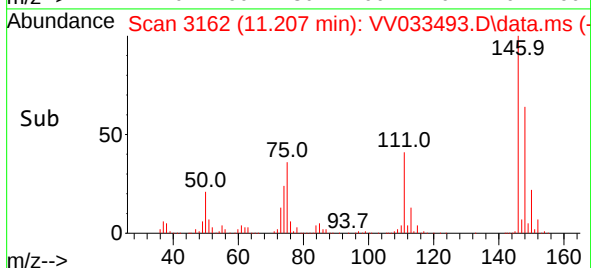
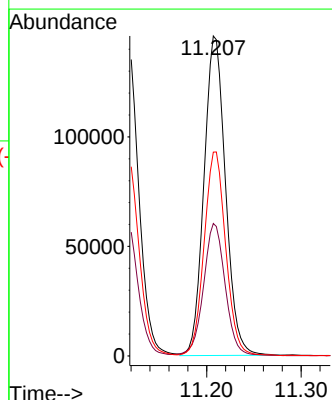
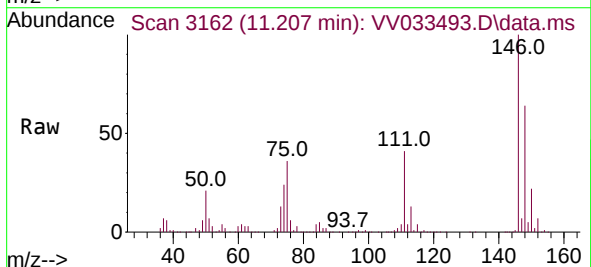
Instrument :
MSVOA_V
ClientSampleId :

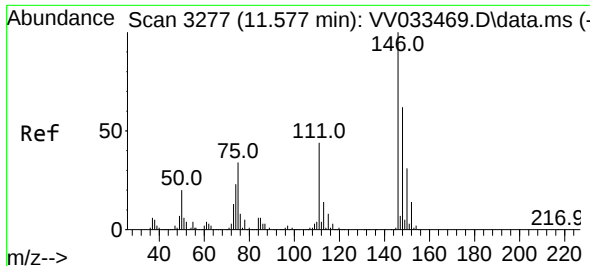
Tgt Ion:146 Resp: 221337
Ion Ratio Lower Upper
146 100
111 42.8 29.3 54.5
148 63.2 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 45.567 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

Tgt Ion:146 Resp: 230647
Ion Ratio Lower Upper
146 100
111 41.4 27.9 51.7
148 63.7 45.5 84.5

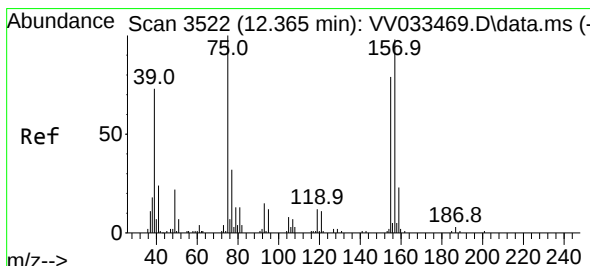
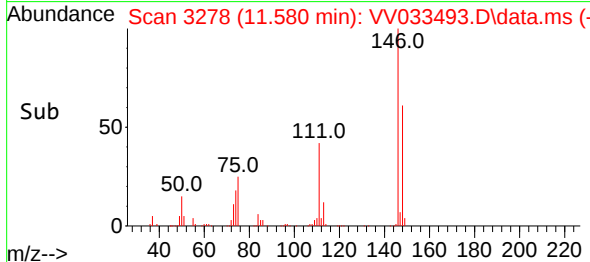
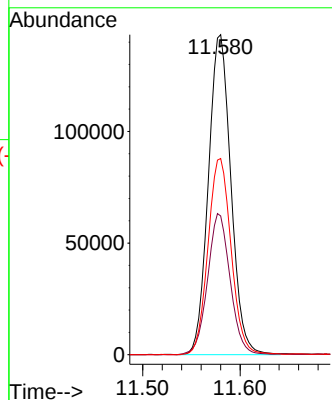
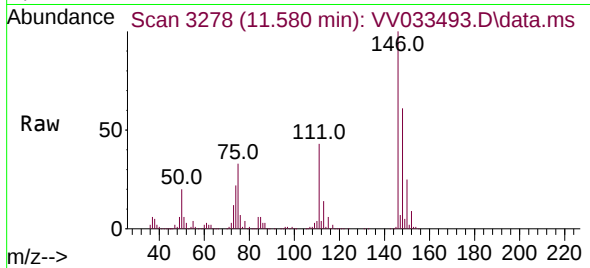




#67
1,2-Dichlorobenzene
Concen: 47.127 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

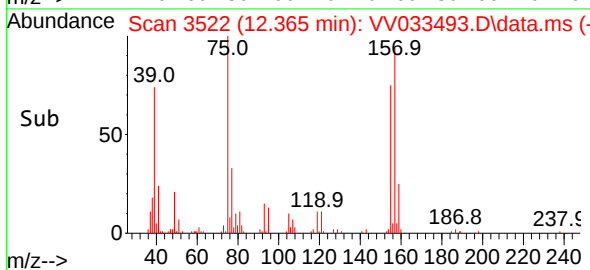
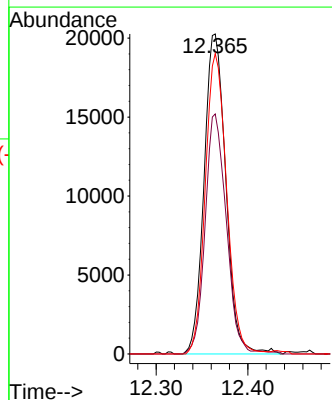
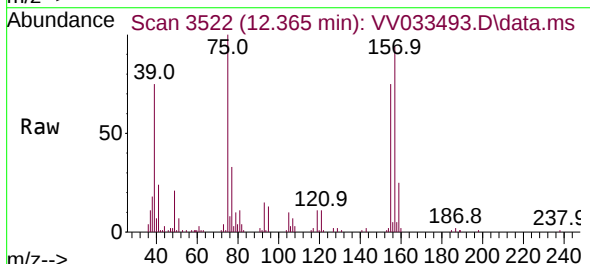
Instrument :
MSVOA_V
ClientSampleId :

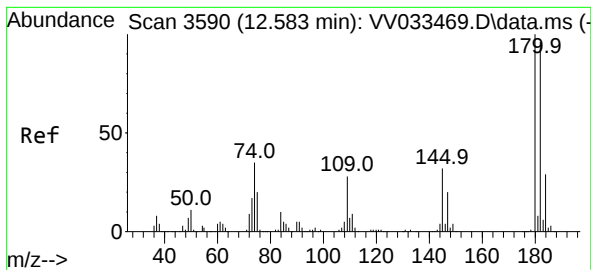
Tgt Ion:146 Resp: 230695
Ion Ratio Lower Upper
146 100
111 43.3 33.5 50.3
148 61.3 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 48.260 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. -0.000 min
Lab File: VV033493.D
Acq: 19 Dec 2023 21:09

Tgt Ion: 75 Resp: 33389
Ion Ratio Lower Upper
75 100
155 75.0 69.4 104.0
157 93.8 81.1 121.7





#69

1,3,5-Trichlorobenzene

Concen: 44.157 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

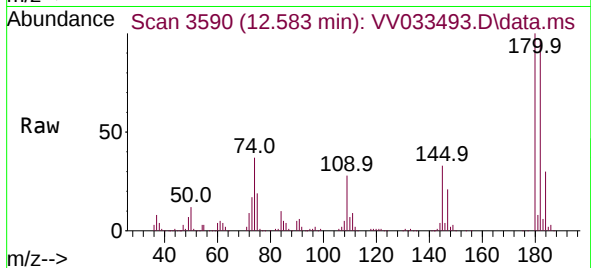
Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 143623

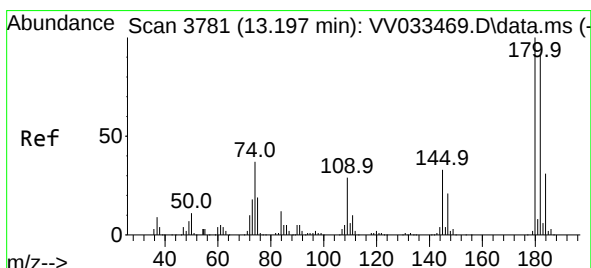
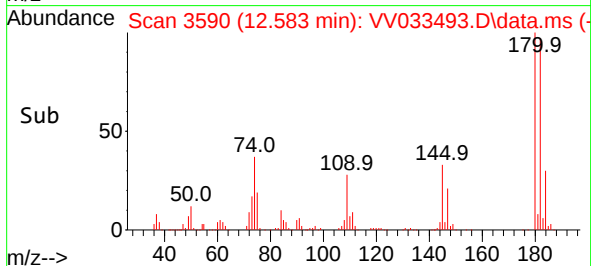
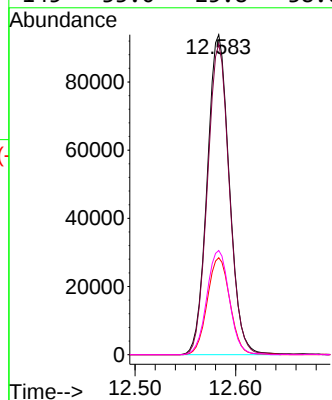
Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.4

184 30.9 24.4 36.6

145 33.0 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 43.441 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

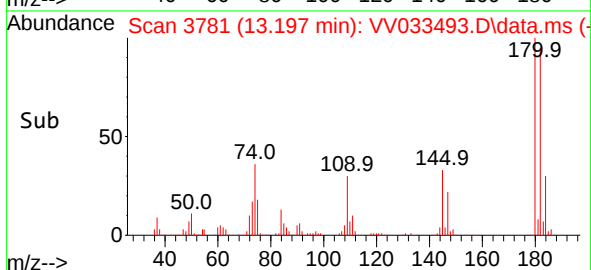
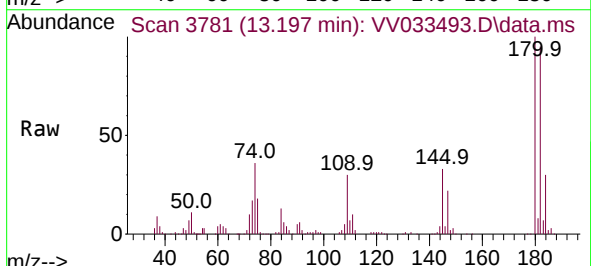
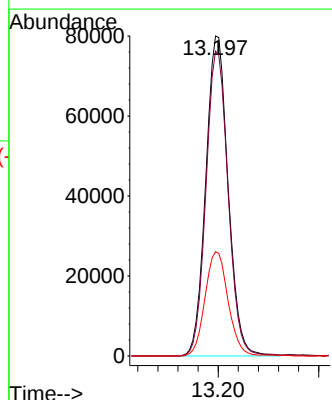
Tgt Ion:180 Resp: 123510

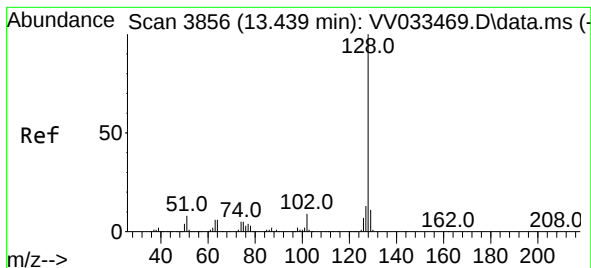
Ion Ratio Lower Upper

180 100

182 94.0 76.1 114.1

145 33.6 25.6 38.4





#71

Naphthalene

Concen: 40.202 ug/L

RT: 13.438 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Instrument :

MSVOA_V

ClientSampleId :

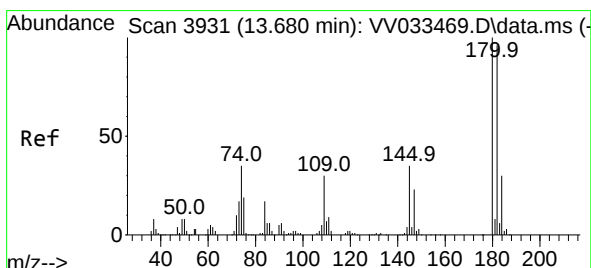
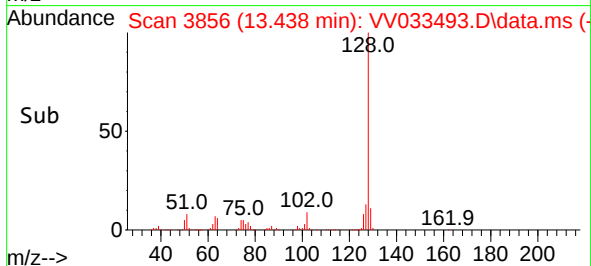
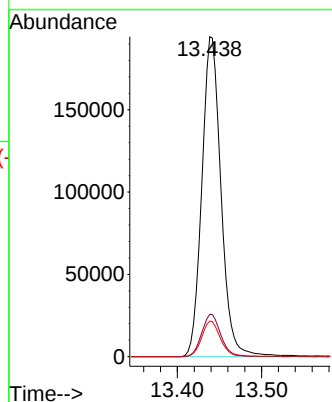
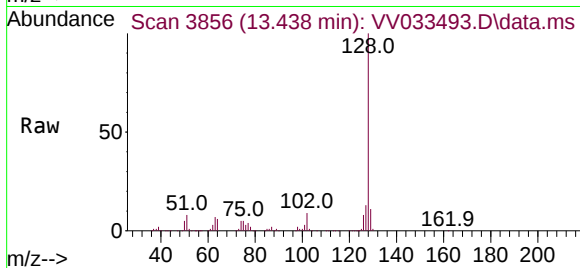
Tgt Ion:128 Resp: 307534

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 45.899 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033493.D

Acq: 19 Dec 2023 21:09

Tgt Ion:180 Resp: 127644

Ion Ratio Lower Upper

180 100

182 97.1 76.2 114.2

145 34.6 27.1 40.7

