

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033400.D
 Acq On : 16 Dec 2023 00:13
 Operator : SY/MD
 Sample : 05846-04MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 01:31:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 23:24:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	197102	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	206670	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	113020	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	68216	44.942	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.880%
7) Chloroethane-d5	1.529	69	64160	47.102	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.200%
11) 1,1-Dichloroethene-d2	2.060	65	32381	42.855	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.720%
21) 2-Butanone-d5	3.783	46	86617	113.227	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.230%
24) Chloroform-d	4.249	84	150953	50.276	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.560%
26) 1,2-Dichloroethane-d4	4.941	65	97350	52.780	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.560%
32) Benzene-d6	4.960	84	269657	48.445	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.880%
36) 1,2-Dichloropropane-d6	5.989	67	82496	48.833	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.660%
41) Toluene-d8	7.243	98	252650	49.605	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.200%
43) trans-1,3-Dichloroprop...	7.551	79	40635	49.080	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.160%
47) 2-Hexanone-d5	8.024	63	63979	112.597	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.600%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	127449	52.490	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.980%
66) 1,2-Dichlorobenzene-d4	11.561	152	102037	48.044	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	73077	45.127	ug/L	100
3) Chloromethane	1.214	50	74056	49.675	ug/L	99
5) Vinyl chloride	1.282	62	76202	47.680	ug/L	99
6) Bromomethane	1.484	94	52732	46.093	ug/L	100
8) Chloroethane	1.548	64	54038	50.085	ug/L	98
9) Trichlorofluoromethane	1.712	101	127101	45.353	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	72145	44.126	ug/L	97
12) 1,1-Dichloroethene	2.069	96	66608	47.956	ug/L	95
13) Acetone	2.108	43	159953	180.132	ug/L	99
14) Carbon disulfide	2.240	76	163289	46.005	ug/L	99
15) Methyl Acetate	2.368	43	69890	55.110	ug/L	96
16) Methylene chloride	2.445	84	79264	51.097	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	66958	51.002	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	219411	55.034	ug/L	99
19) 1,1-Dichloroethane	3.111	63	133031	52.870	ug/L	97
20) cis-1,2-Dichloroethene	3.815	96	76166	51.169	ug/L	98
22) 2-Butanone	3.860	43	144080	164.692	ug/L	99
23) Bromochloromethane	4.146	128	44123	54.079	ug/L	96
25) Chloroform	4.275	83	149065	52.642	ug/L	100

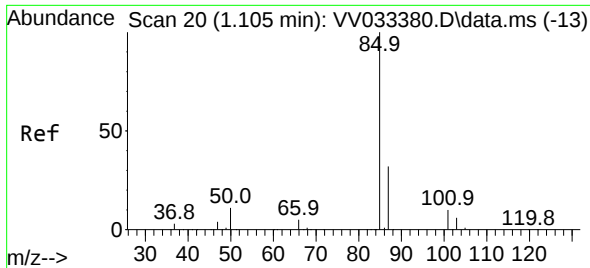
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033400.D
 Acq On : 16 Dec 2023 00:13
 Operator : SY/MD
 Sample : 05846-04MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 01:31:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 23:24:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	119188	54.605	ug/L	99
29) Cyclohexane	4.584	56	82798	44.450	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	125813	49.306	ug/L	99
31) Carbon tetrachloride	4.738	117	108072	47.326	ug/L	97
33) Benzene	5.011	78	286697	52.046	ug/L	100
34) Trichloroethene	5.831	95	73713	48.776	ug/L	94
35) Methylcyclohexane	6.053	83	88903	41.015	ug/L	97
37) 1,2-Dichloropropane	6.092	63	77143	51.639	ug/L	100
38) Bromodichloromethane	6.432	83	113802	52.928	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	115491	53.141	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	200190	125.573	ug/L	99
42) Toluene	7.317	91	312886	53.590	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	115182	52.816	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	83623	53.706	ug/L	99
46) Tetrachloroethene	7.905	164	53822	45.579	ug/L	98
48) 2-Hexanone	8.075	43	160216	120.493	ug/L	99
49) Dibromochloromethane	8.178	129	87495	53.142	ug/L	100
50) 1,2-Dibromoethane	8.281	107	88593	55.197	ug/L	98
51) Chlorobenzene	8.815	112	208531	49.560	ug/L	99
52) Ethylbenzene	8.947	91	324046	49.836	ug/L	100
53) m,p-Xylene	9.072	106	128099	52.437	ug/L	95
54) o-Xylene	9.481	106	123969	52.261	ug/L	98
55) Styrene	9.497	104	228257	54.524	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	133237	55.716	ug/L	98
59) Bromoform	9.664	173	61703	52.918	ug/L	100
60) Isopropylbenzene	9.870	105	317678	49.498	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	100606	55.538	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	239960	49.332	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	257990	51.069	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	163424	48.993	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	173099	48.216	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	171825	49.490	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	28299	57.670	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	103431	44.836	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	89381	44.324	ug/L	99
71) Naphthalene	13.442	128	258345	47.617	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	99061	50.223	ug/L	99

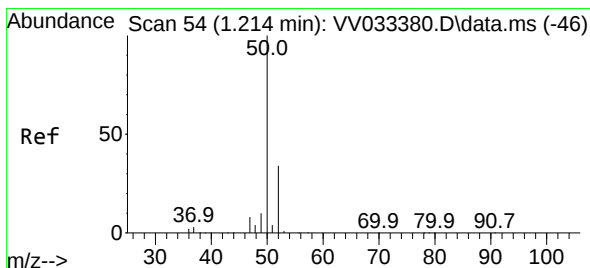
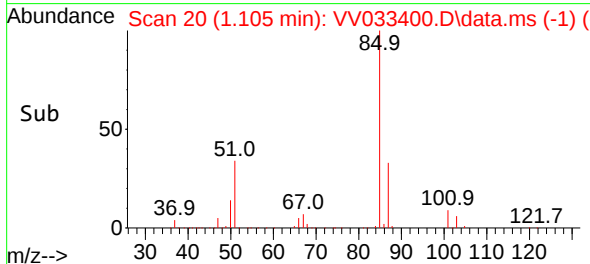
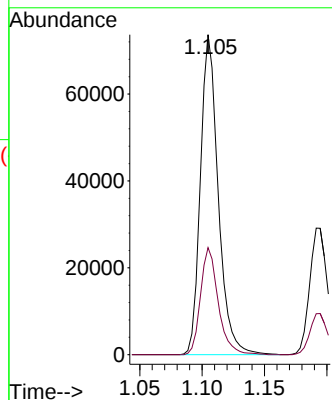
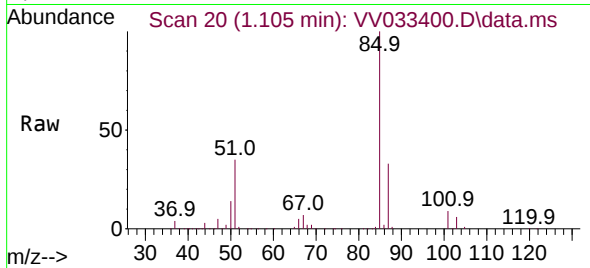
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 45.127 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033400.D
 Acq: 16 Dec 2023 00:13

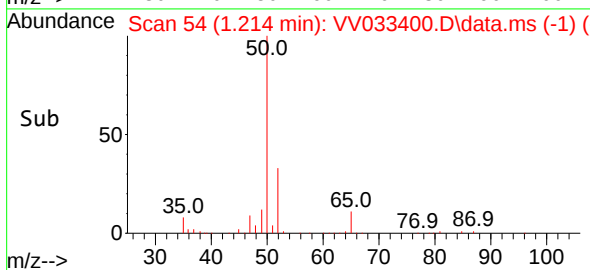
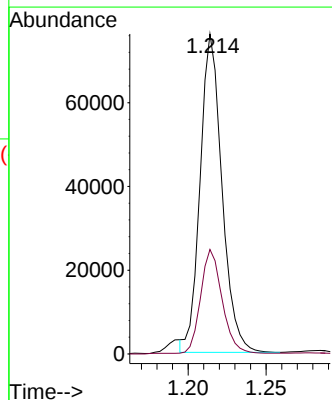
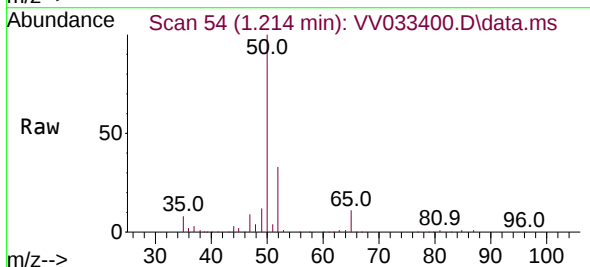
Instrument :
 MSVOA_V
 ClientSampleId :

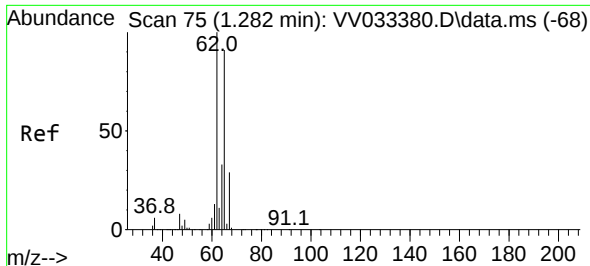
Tgt Ion: 85 Resp: 73077
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.6 39.8



#3
 Chloromethane
 Concen: 49.675 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033400.D
 Acq: 16 Dec 2023 00:13

Tgt Ion: 50 Resp: 74056
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.3 41.5



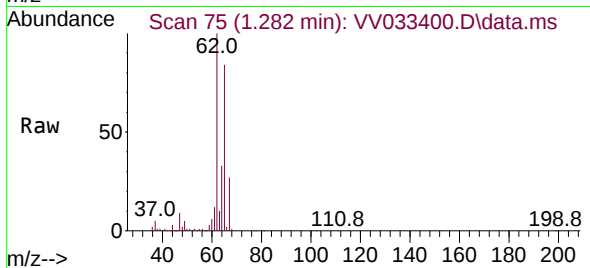


#5
 Vinyl chloride
 Concen: 47.680 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV033400.D
 Acq: 16 Dec 2023 00:13

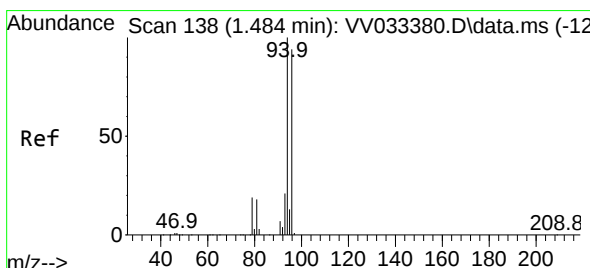
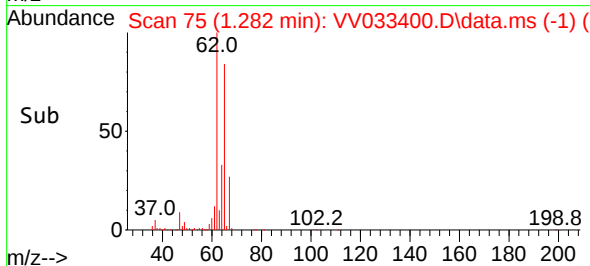
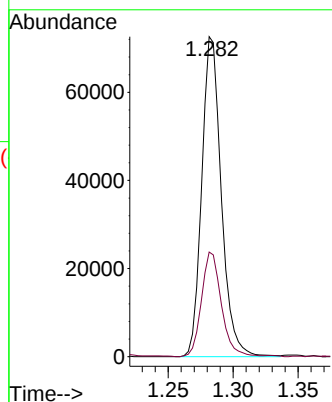
Instrument :

MSVOA_V

ClientSampleId :

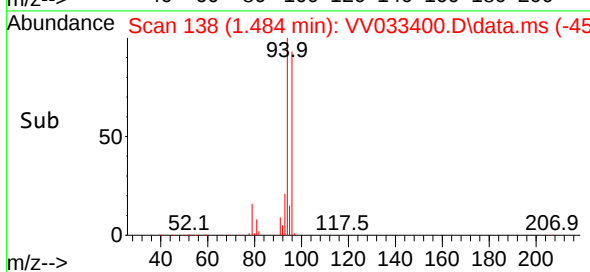
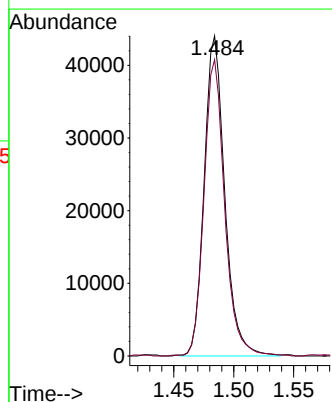
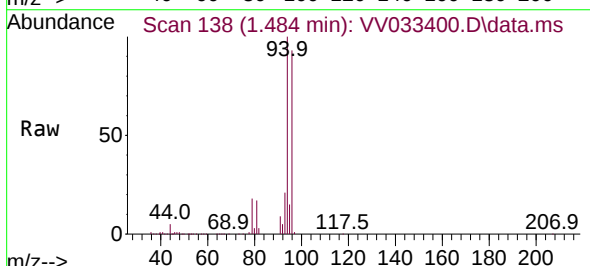


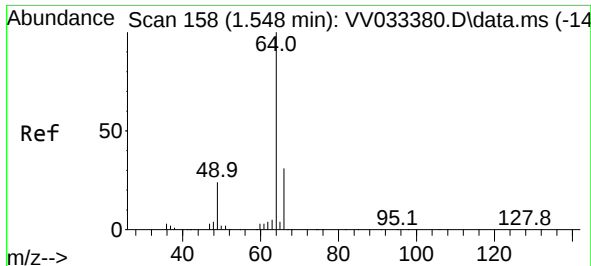
Tgt Ion: 62 Resp: 76202
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.4 43.6



#6
 Bromomethane
 Concen: 46.093 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV033400.D
 Acq: 16 Dec 2023 00:13

Tgt Ion: 94 Resp: 52732
 Ion Ratio Lower Upper
 94 100
 96 92.6 65.1 120.9

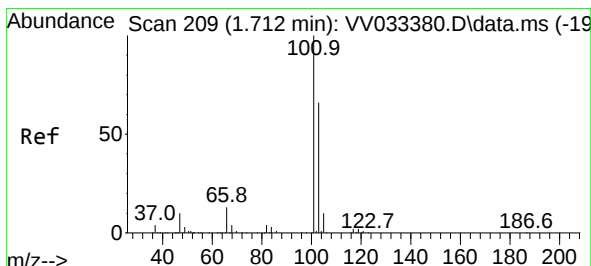
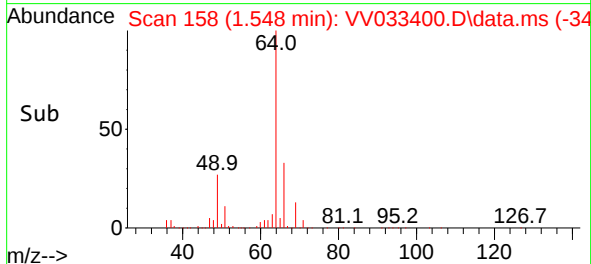
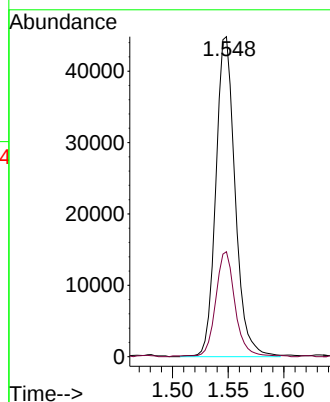
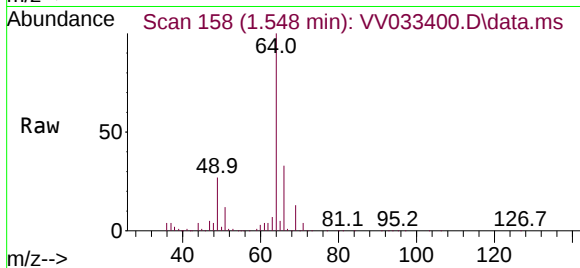




#8
Chloroethane
Concen: 50.085 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

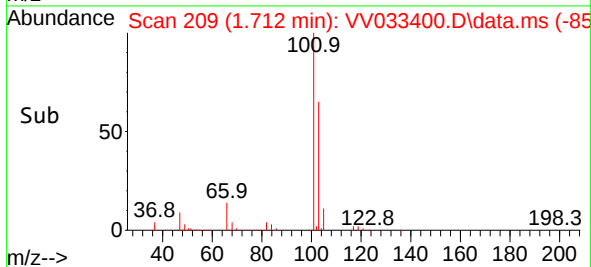
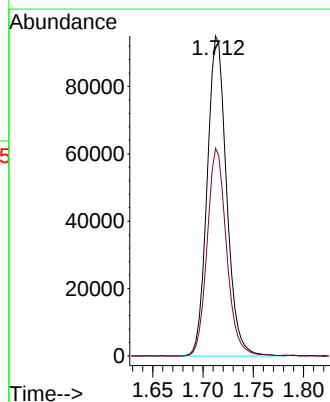
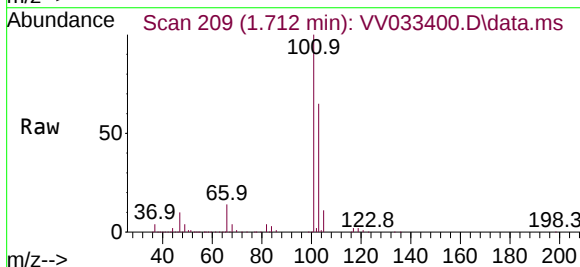
Instrument :
MSVOA_V
ClientSampleId :

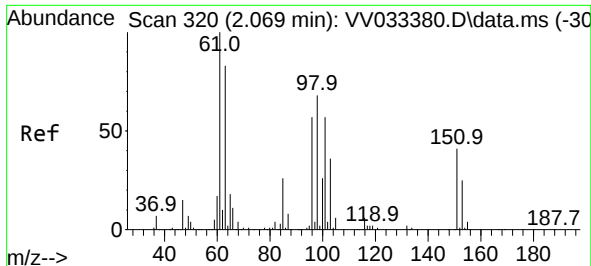
Tgt Ion: 64 Resp: 54038
Ion Ratio Lower Upper
64 100
66 32.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 45.353 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

Tgt Ion:101 Resp: 127101
Ion Ratio Lower Upper
101 100
103 64.9 52.2 78.4

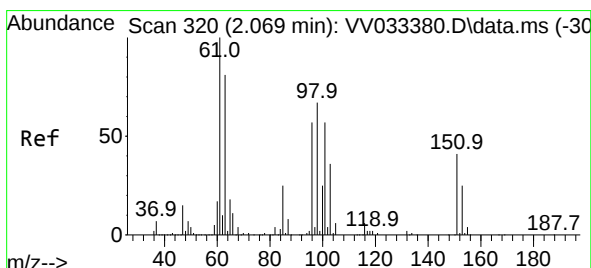
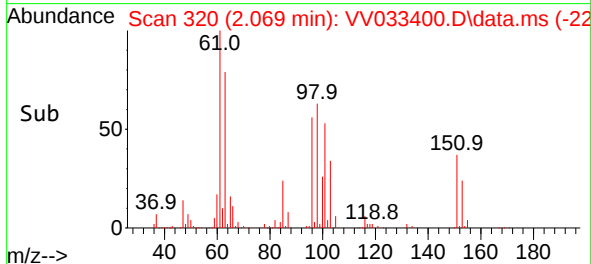
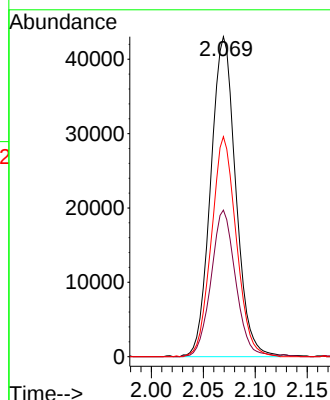
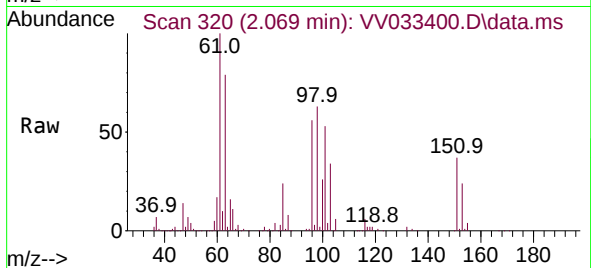




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.126 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033400.D
 Acq: 16 Dec 2023 00:13

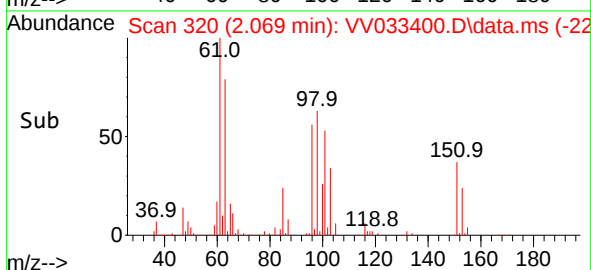
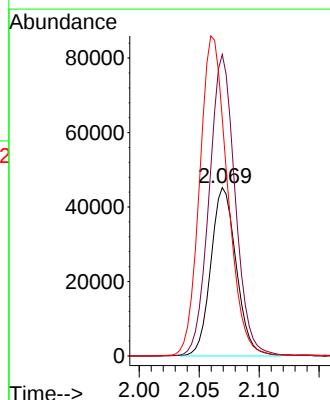
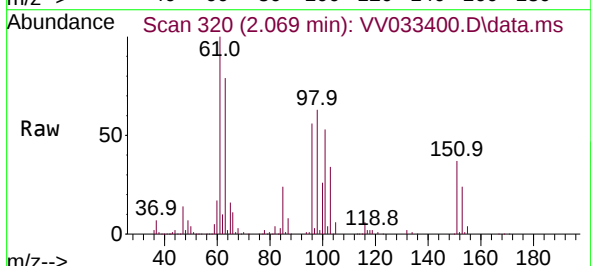
Instrument :
 MSVOA_V
 ClientSampleId :

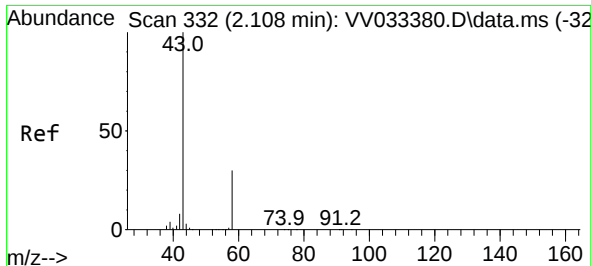
Tgt Ion:101 Resp: 72145
 Ion Ratio Lower Upper
 101 100
 85 44.8 36.6 54.8
 151 68.3 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 47.956 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033400.D
 Acq: 16 Dec 2023 00:13

Tgt Ion: 96 Resp: 66608
 Ion Ratio Lower Upper
 96 100
 61 179.0 124.3 230.8
 63 141.0 108.1 200.7





#13

Acetone

Concen: 180.132 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA_V

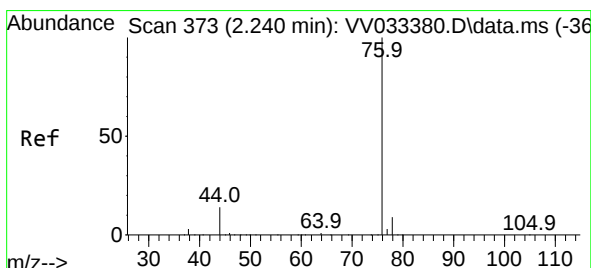
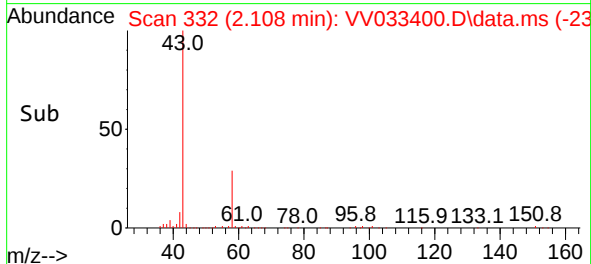
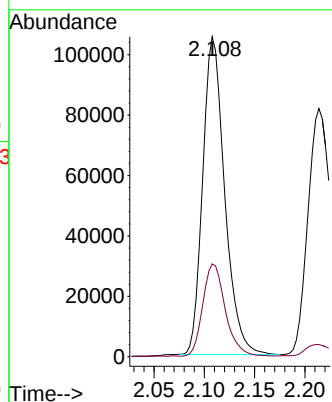
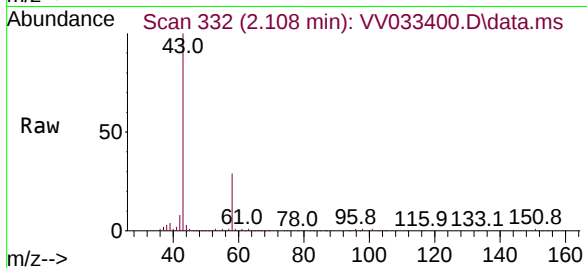
ClientSampleId :

Tgt Ion: 43 Resp: 159953

Ion Ratio Lower Upper

43 100

58 30.0 0.0 59.2



#14

Carbon disulfide

Concen: 46.005 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV033400.D

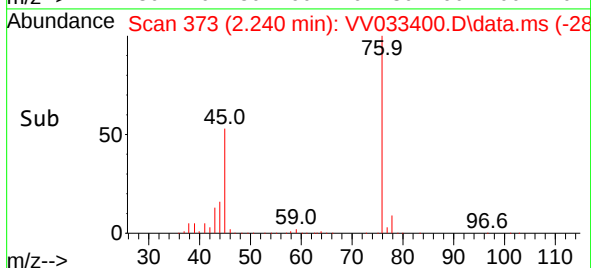
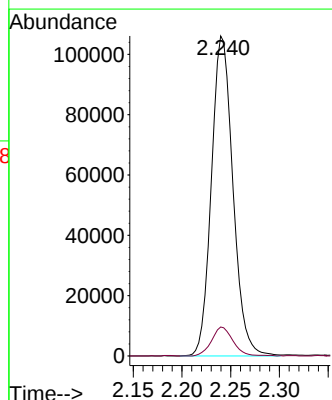
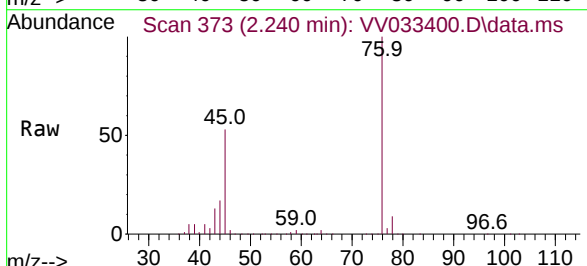
Acq: 16 Dec 2023 00:13

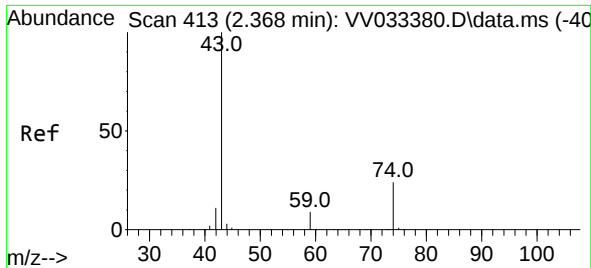
Tgt Ion: 76 Resp: 163289

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

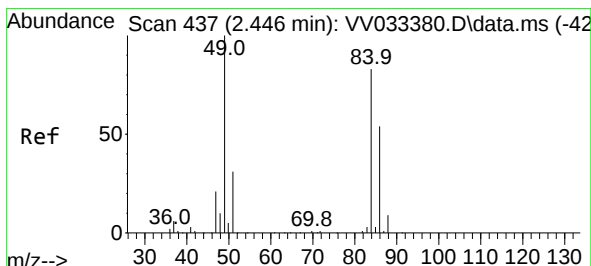
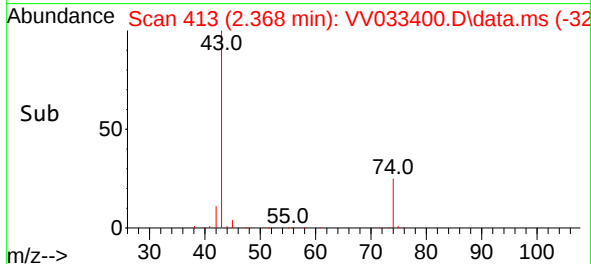
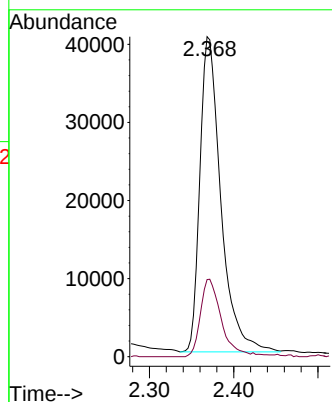
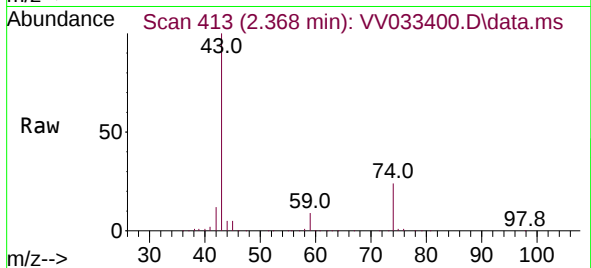




#15
Methyl Acetate
Concen: 55.110 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

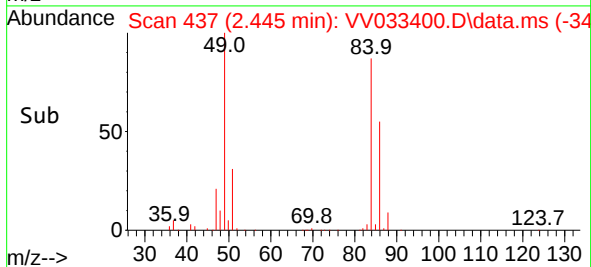
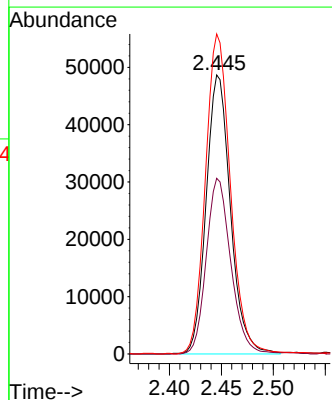
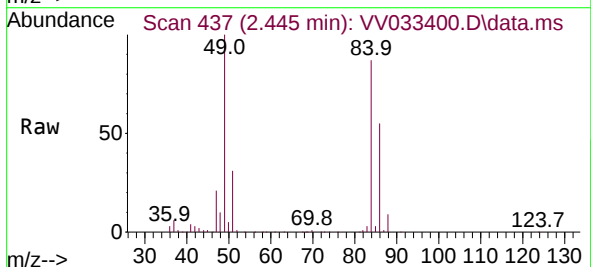
Instrument :
MSVOA_V
ClientSampleId :

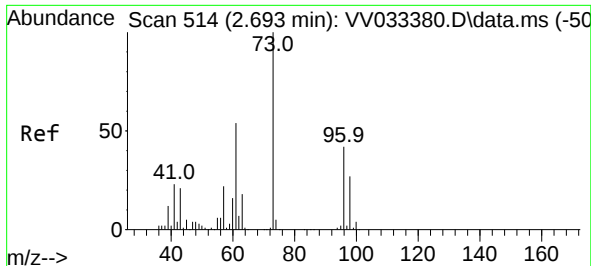
Tgt Ion: 43 Resp: 69890
Ion Ratio Lower Upper
43 100
74 24.1 20.8 31.2



#16
Methylene chloride
Concen: 51.097 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

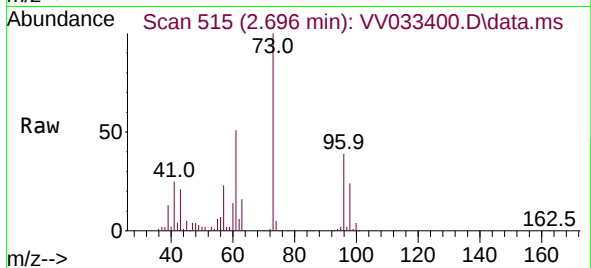
Tgt Ion: 84 Resp: 79264
Ion Ratio Lower Upper
84 100
86 63.0 45.4 84.2
49 114.7 83.3 154.7



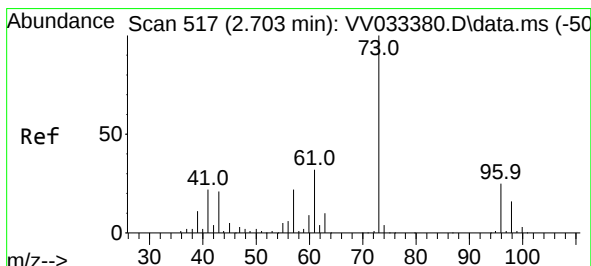
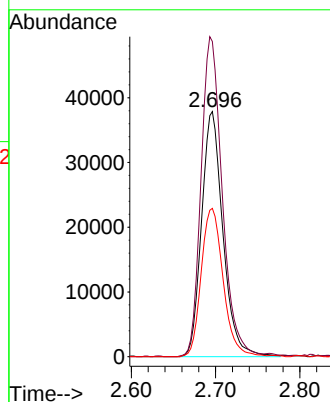
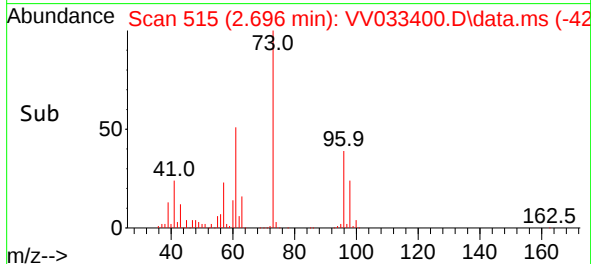


#17
trans-1,2-Dichloroethene
Concen: 51.002 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

Instrument :
MSVOA_V
ClientSampleId :

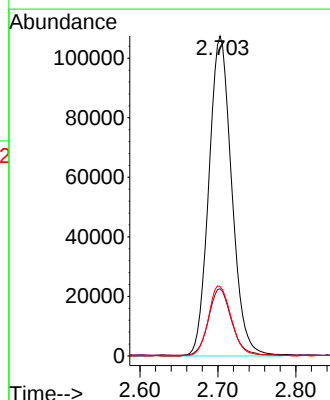
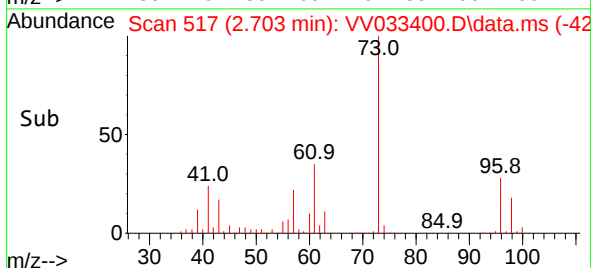
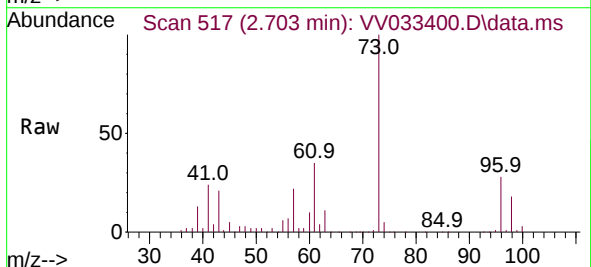


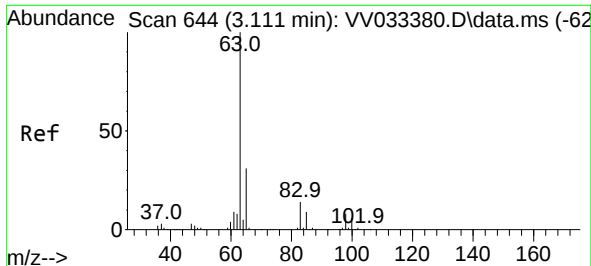
Tgt Ion: 96 Resp: 66958
Ion Ratio Lower Upper
96 100
61 128.6 89.6 166.4
98 60.5 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 55.034 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

Tgt Ion: 73 Resp: 219411
Ion Ratio Lower Upper
73 100
43 20.8 16.3 24.5
57 22.2 17.3 25.9





#19

1,1-Dichloroethane

Concen: 52.870 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

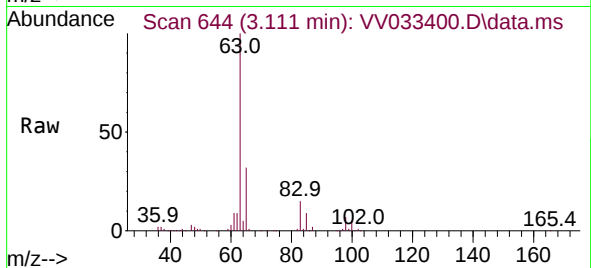
Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA_V

ClientSampleId :



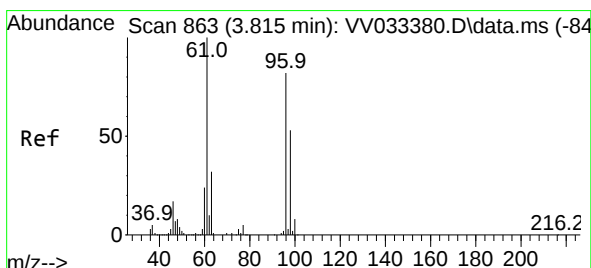
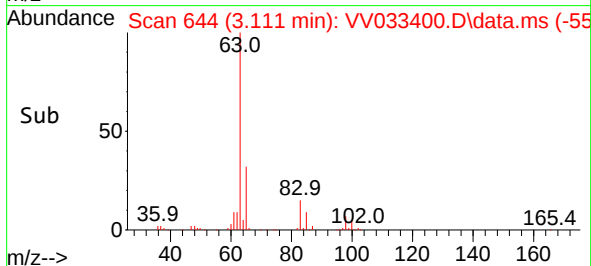
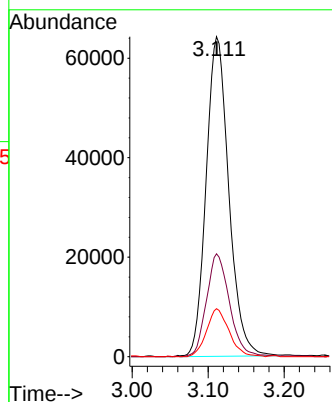
Tgt Ion: 63 Resp: 133031

Ion Ratio Lower Upper

63 100

65 32.2 21.1 39.3

83 15.0 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 51.169 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

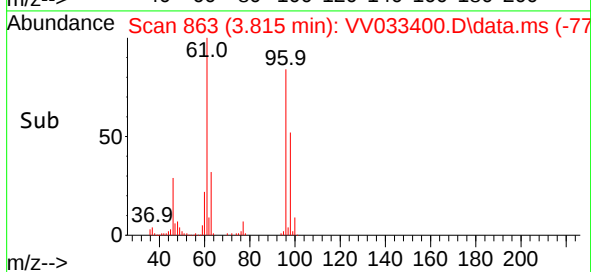
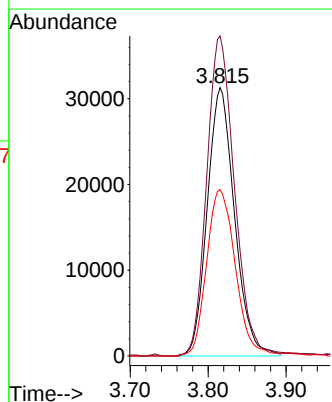
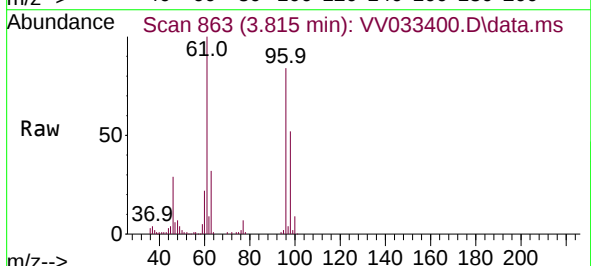
Tgt Ion: 96 Resp: 76166

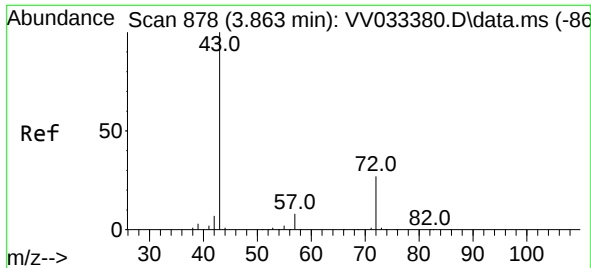
Ion Ratio Lower Upper

96 100

61 119.3 81.9 152.1

98 62.0 44.3 82.3

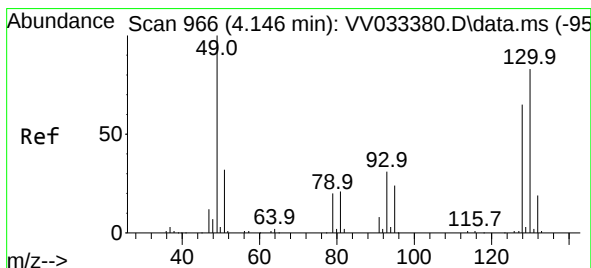
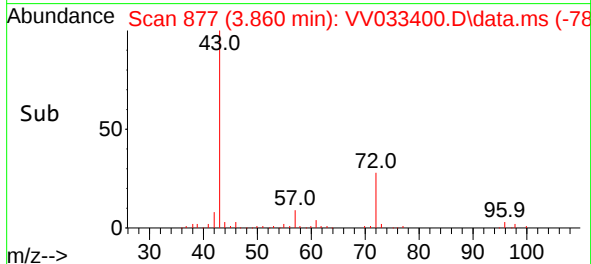
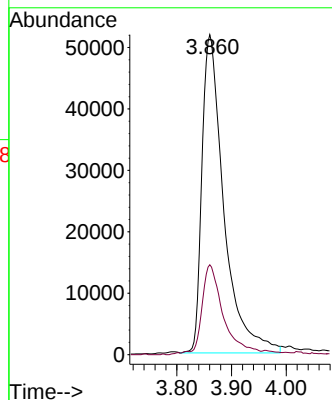
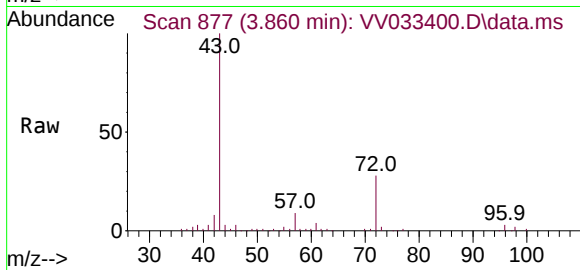




#22
2-Butanone
Concen: 164.692 ug/L
RT: 3.860 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

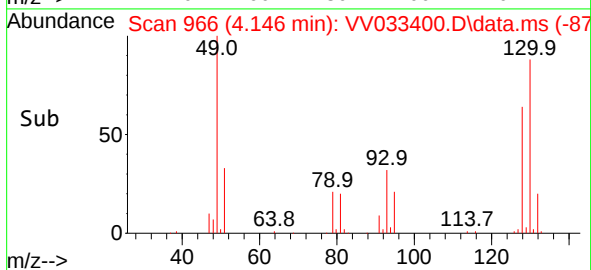
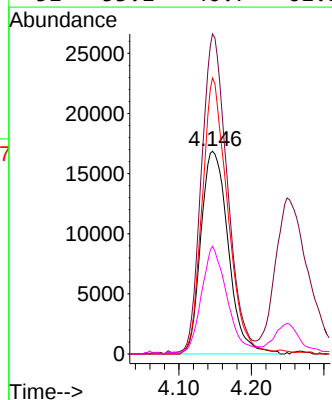
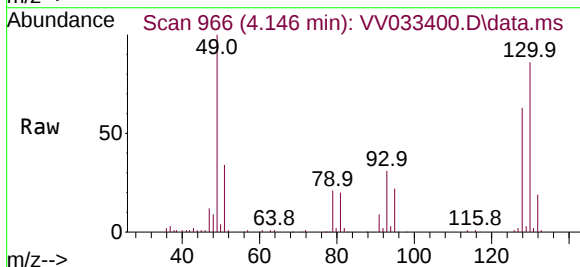
Instrument :
MSVOA_V
ClientSampleId :

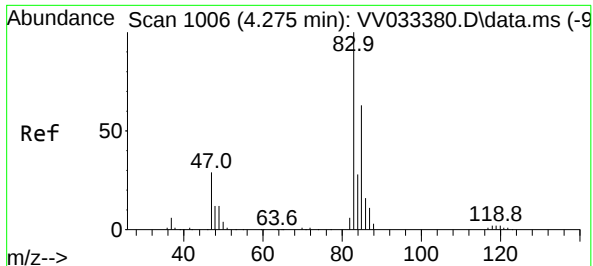
Tgt Ion: 43 Resp: 144080
Ion Ratio Lower Upper
43 100
72 24.2 12.4 37.4



#23
Bromochloromethane
Concen: 54.079 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

Tgt Ion:128 Resp: 44123
Ion Ratio Lower Upper
128 100
49 157.8 106.0 196.9
130 136.1 93.6 173.8
51 53.1 40.7 61.1





#25

Chloroform

Concen: 52.642 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA_V

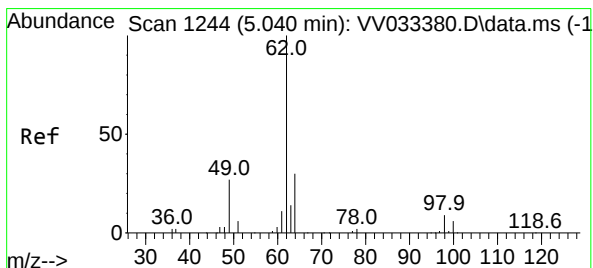
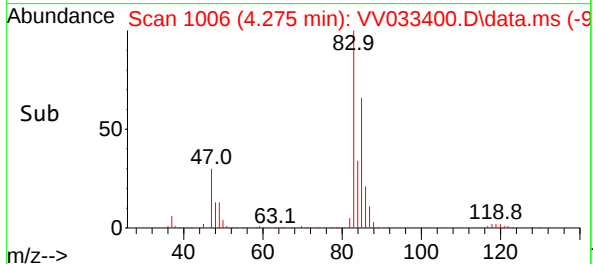
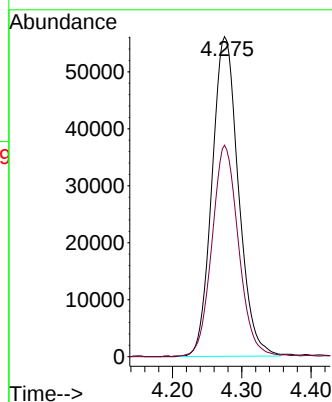
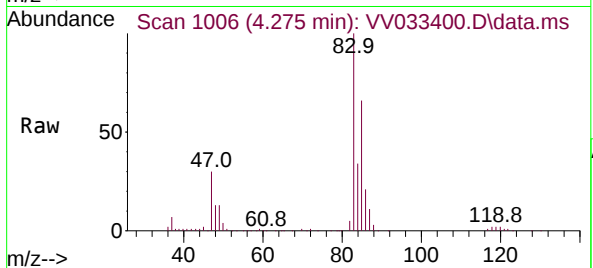
ClientSampleId :

Tgt Ion: 83 Resp: 149065

Ion Ratio Lower Upper

83 100

85 66.1 46.1 85.7



#27

1,2-Dichloroethane

Concen: 54.605 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.000 min

Lab File: VV033400.D

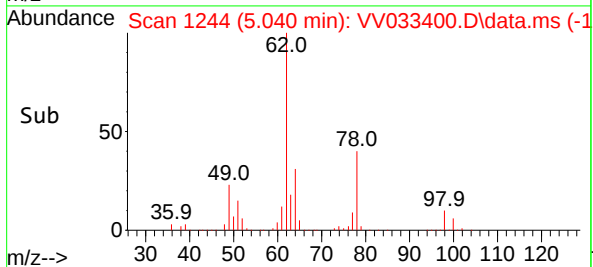
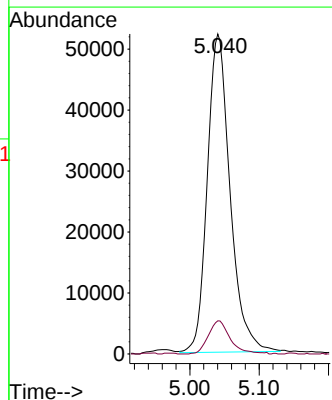
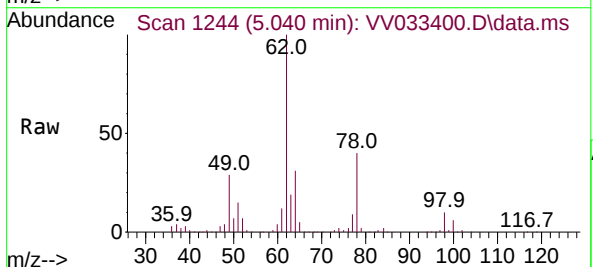
Acq: 16 Dec 2023 00:13

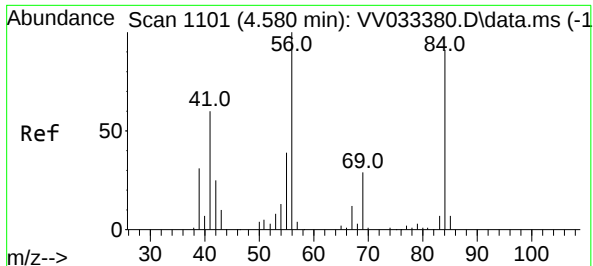
Tgt Ion: 62 Resp: 119188

Ion Ratio Lower Upper

62 100

98 10.3 8.0 12.0





#29

Cyclohexane

Concen: 44.450 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA_V

ClientSampleId :

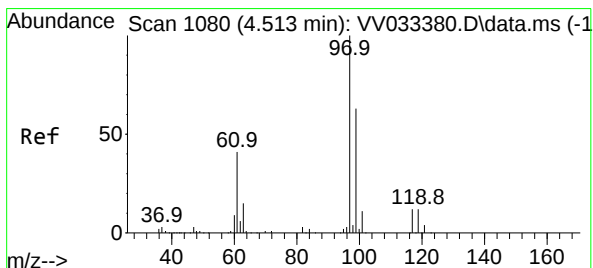
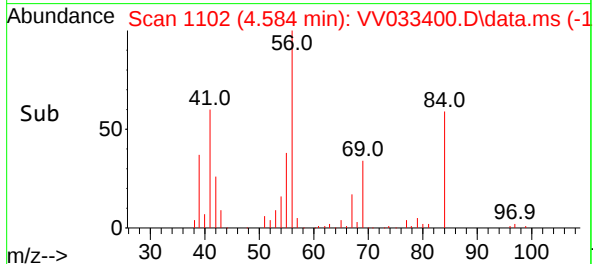
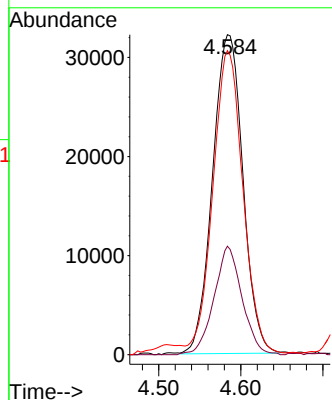
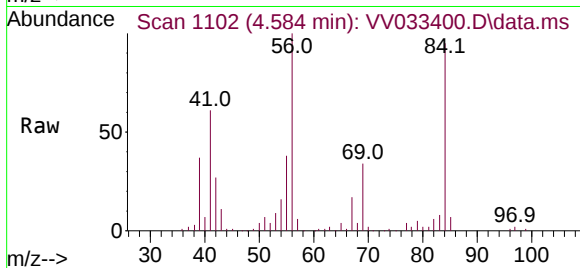
Tgt Ion: 56 Resp: 82798

Ion Ratio Lower Upper

56 100

69 31.4 25.8 38.6

84 93.6 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 49.306 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

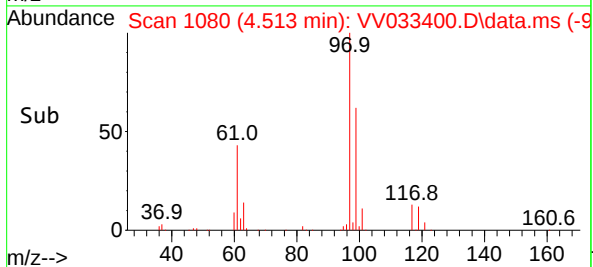
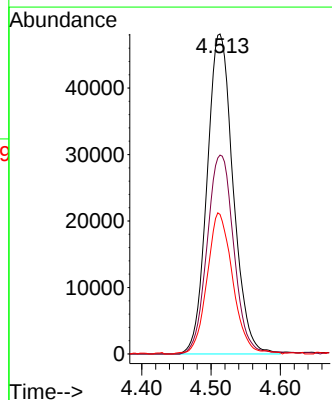
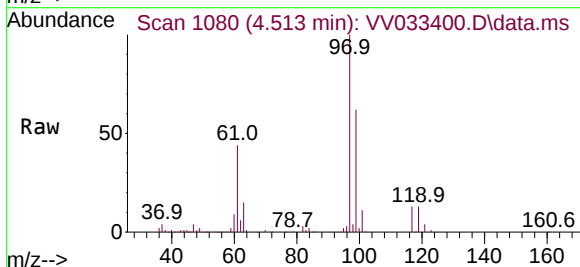
Tgt Ion: 97 Resp: 125813

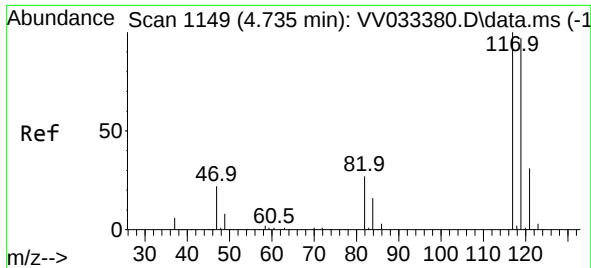
Ion Ratio Lower Upper

97 100

99 63.5 51.8 77.6

61 43.0 34.8 52.2

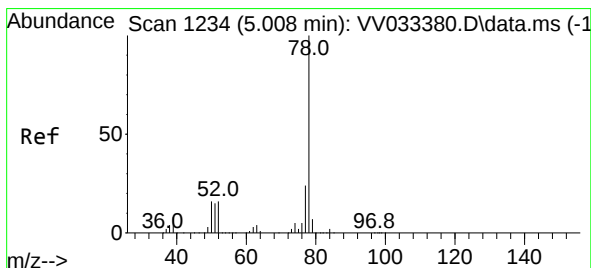
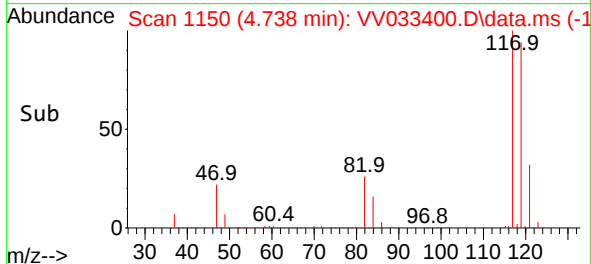
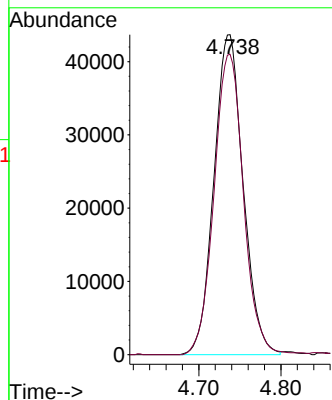
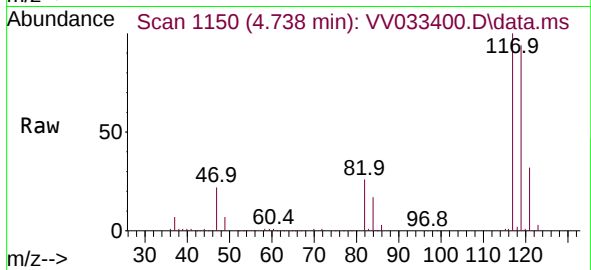




#31
Carbon tetrachloride
Concen: 47.326 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

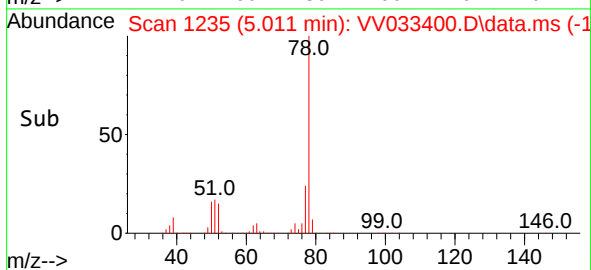
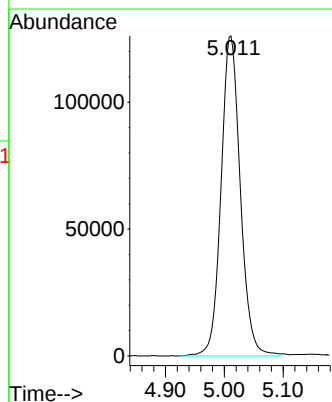
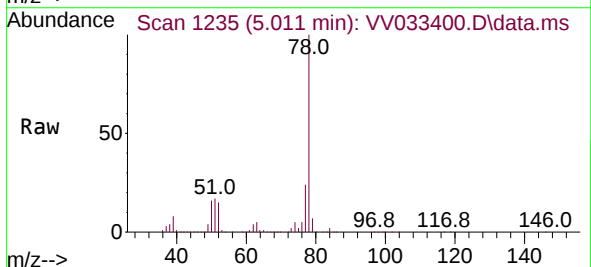
Instrument :
MSVOA_V
ClientSampleId :

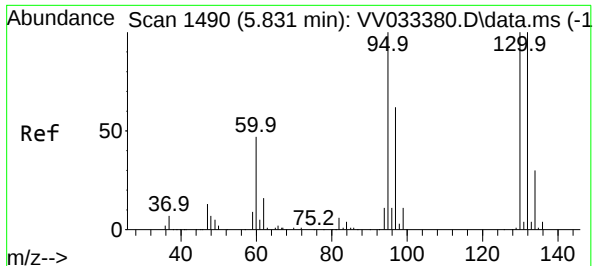
Tgt Ion:117 Resp: 108072
Ion Ratio Lower Upper
117 100
119 94.7 77.8 116.6



#33
Benzene
Concen: 52.046 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

Tgt Ion: 78 Resp: 286697





#34

Trichloroethene

Concen: 48.776 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

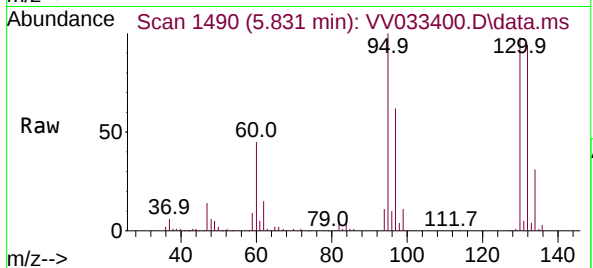
Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 73713

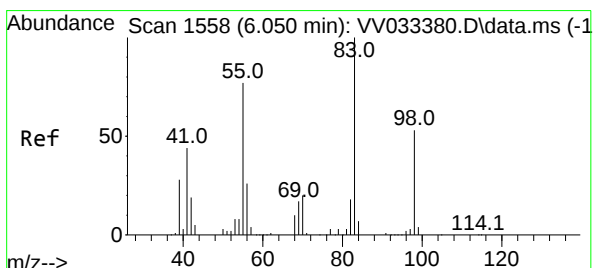
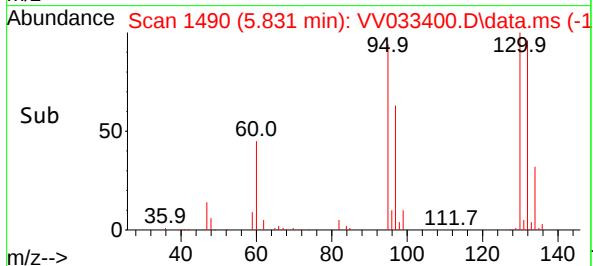
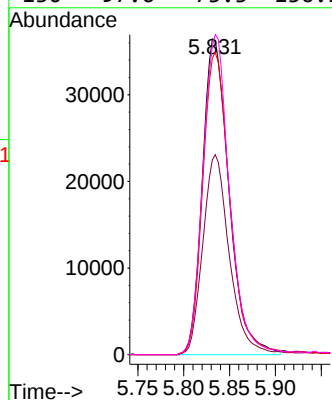
Ion Ratio Lower Upper

95 100

97 61.7 44.8 83.2

132 93.9 69.9 129.7

130 97.6 73.3 136.1



#35

Methylcyclohexane

Concen: 41.015 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

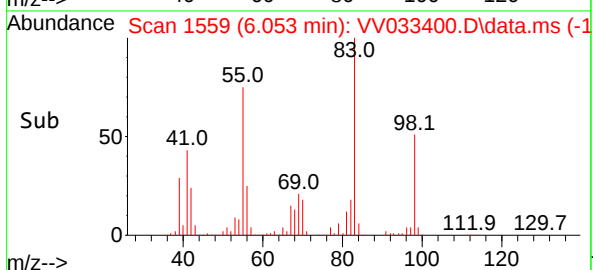
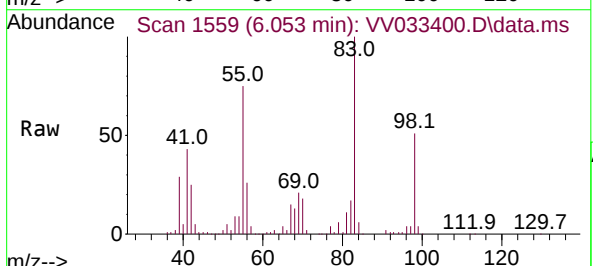
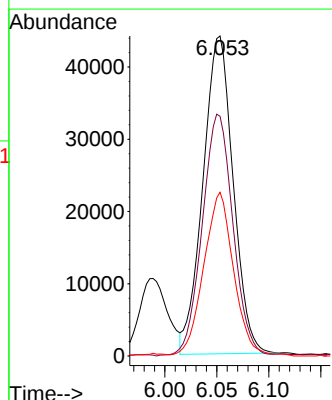
Tgt Ion: 83 Resp: 88903

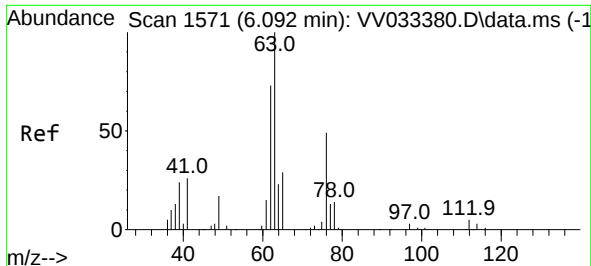
Ion Ratio Lower Upper

83 100

55 77.7 58.6 88.0

98 51.2 40.9 61.3





#37

1,2-Dichloropropane

Concen: 51.639 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA_V

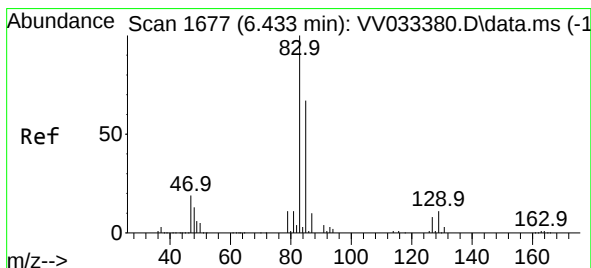
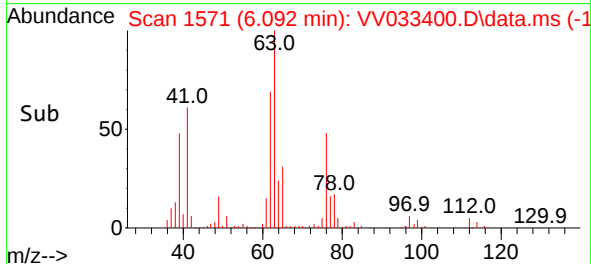
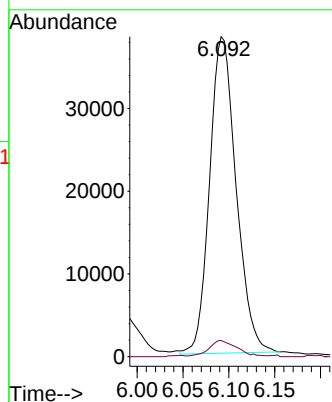
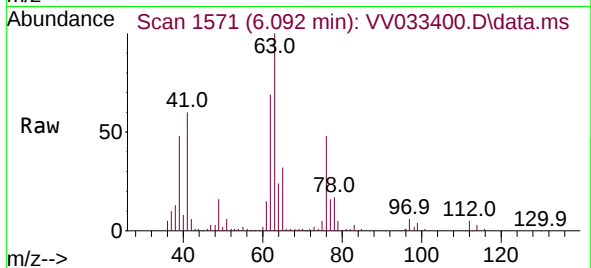
ClientSampleId :

Tgt Ion: 63 Resp: 77143

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 52.928 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

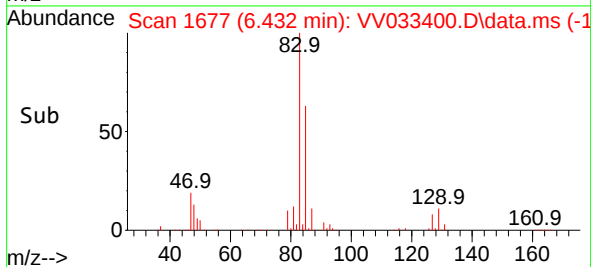
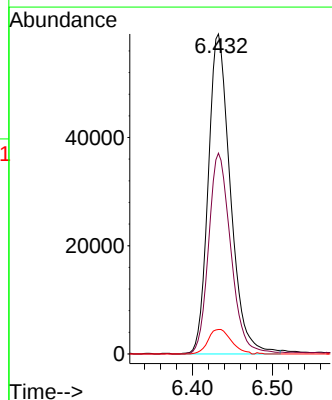
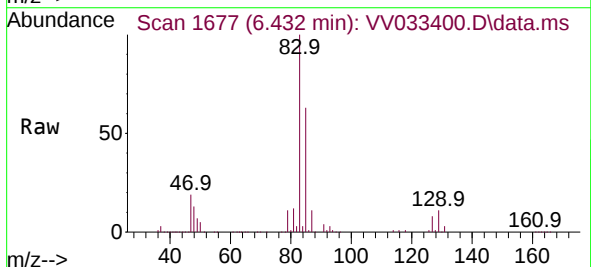
Tgt Ion: 83 Resp: 113802

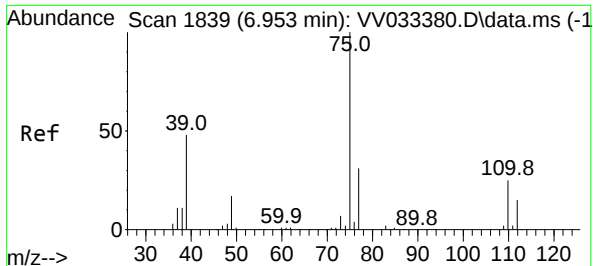
Ion Ratio Lower Upper

83 100

85 62.8 45.2 84.0

127 7.7 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 53.141 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA_V

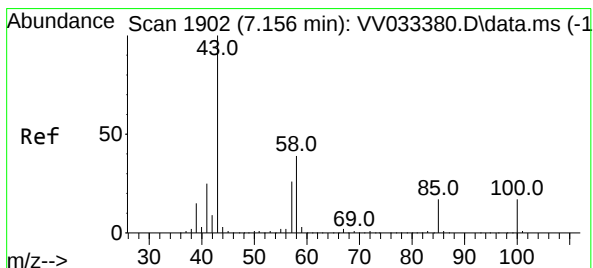
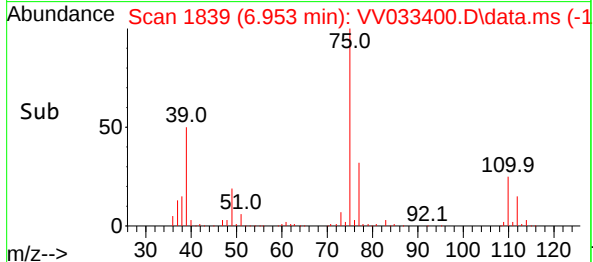
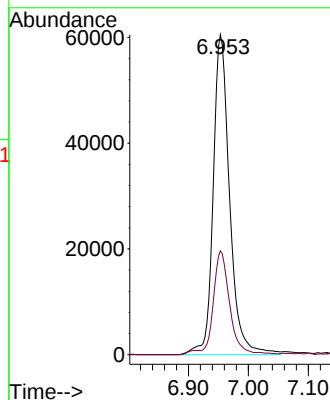
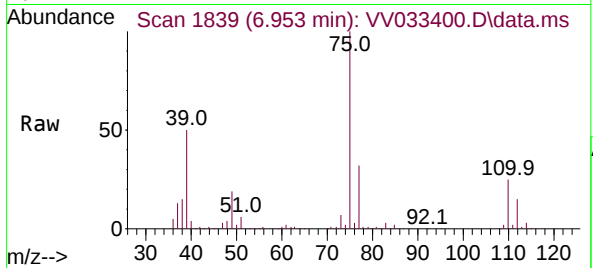
ClientSampleId :

Tgt Ion: 75 Resp: 115491

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 125.573 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

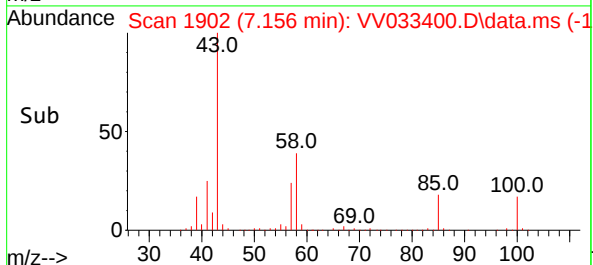
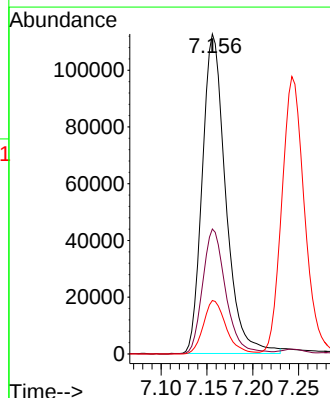
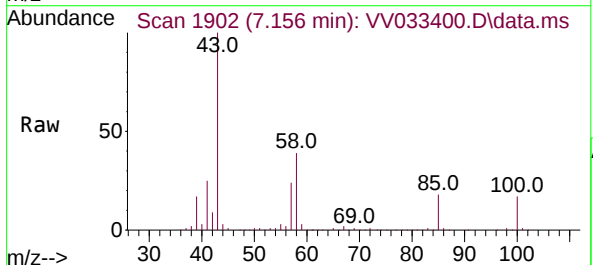
Tgt Ion: 43 Resp: 200190

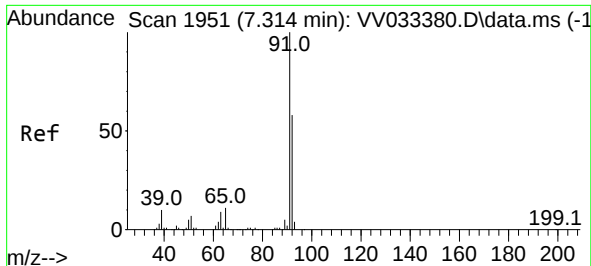
Ion Ratio Lower Upper

43 100

58 38.5 30.7 46.1

100 16.2 13.6 20.4





#42

Toluene

Concen: 53.590 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA_V

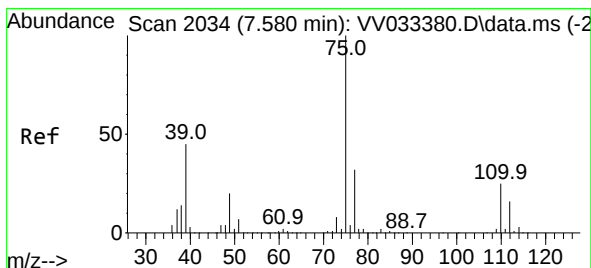
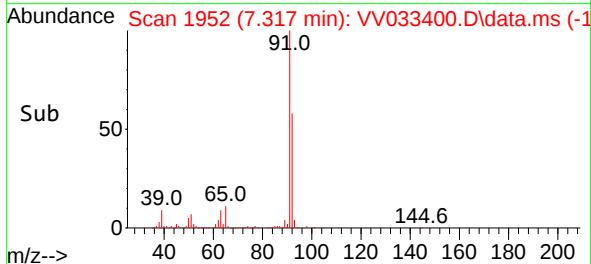
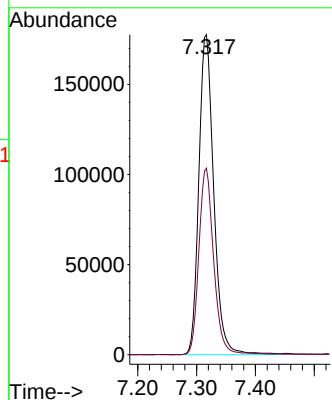
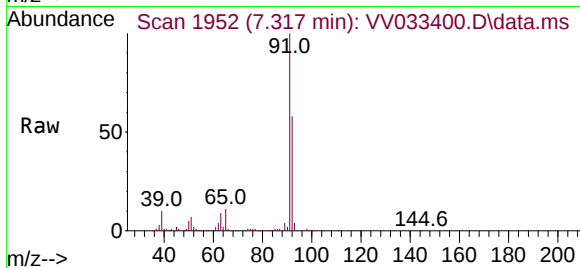
ClientSampleId :

Tgt Ion: 91 Resp: 312886

Ion Ratio Lower Upper

91 100

92 58.3 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 52.816 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV033400.D

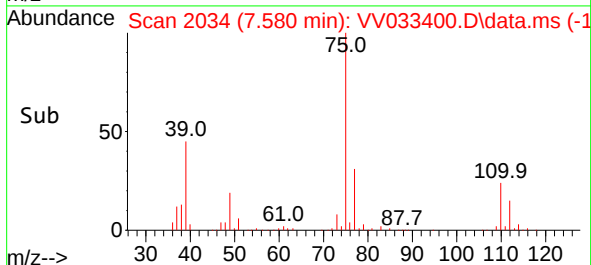
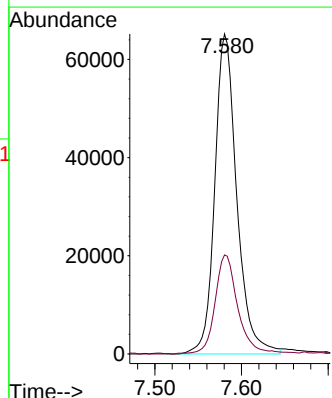
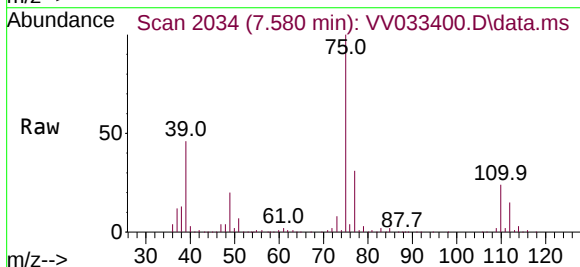
Acq: 16 Dec 2023 00:13

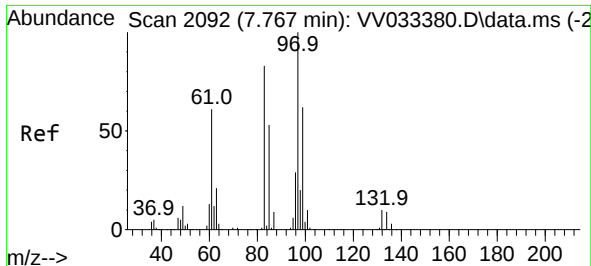
Tgt Ion: 75 Resp: 115182

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 53.706 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 83623

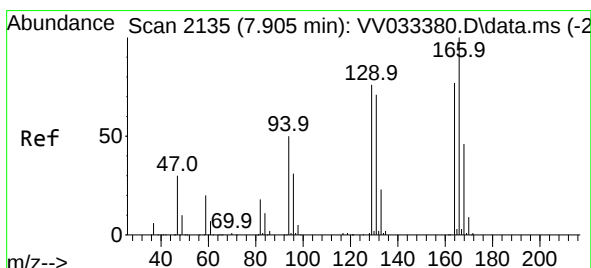
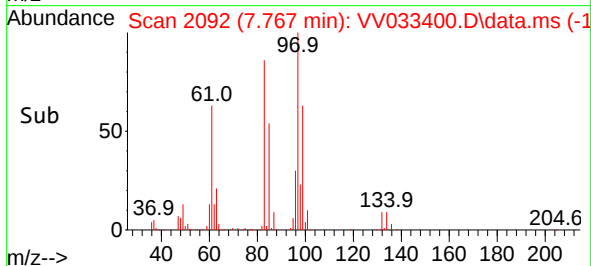
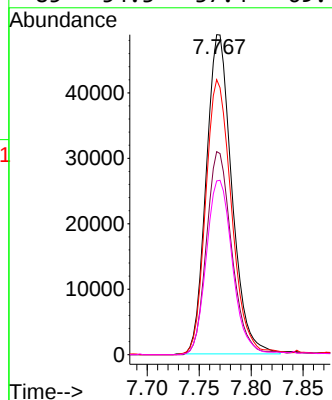
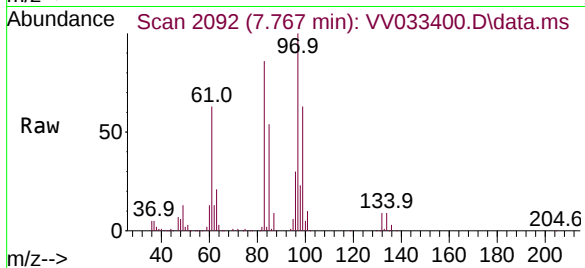
Ion Ratio Lower Upper

97 100

99 63.5 43.5 80.7

83 86.0 61.0 113.4

85 54.3 37.4 69.4



#46

Tetrachloroethene

Concen: 45.579 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Tgt Ion:164 Resp: 53822

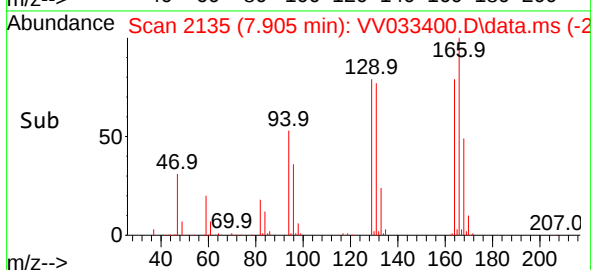
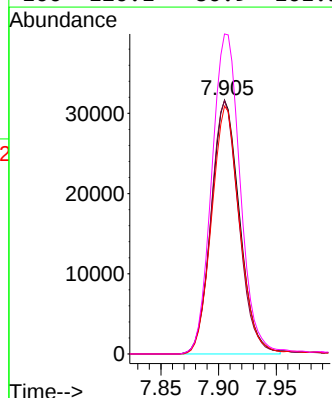
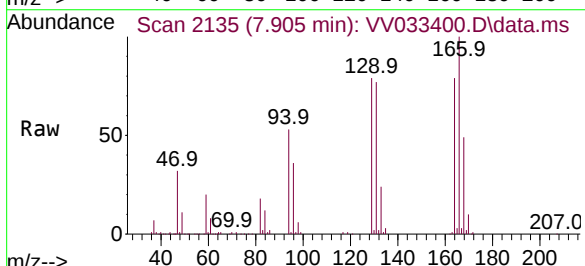
Ion Ratio Lower Upper

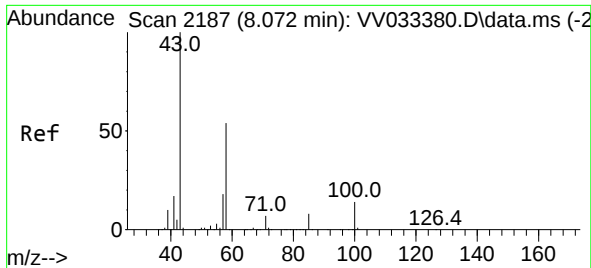
164 100

129 99.7 68.9 127.9

131 97.6 65.3 121.3

166 126.1 86.9 161.3

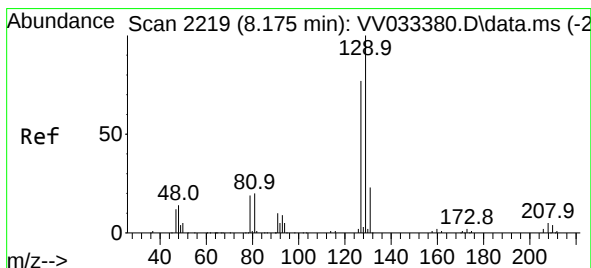
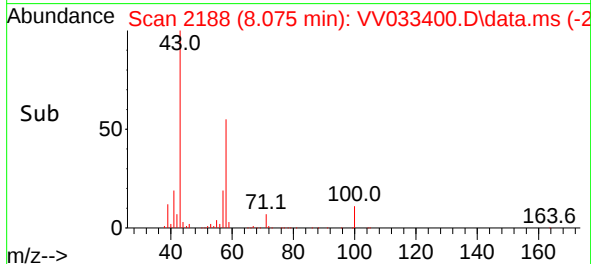
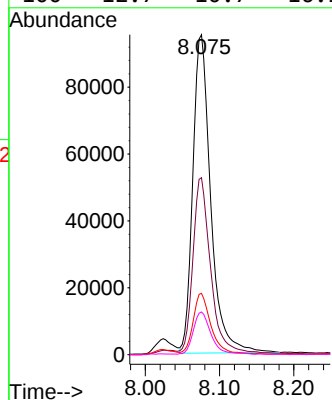
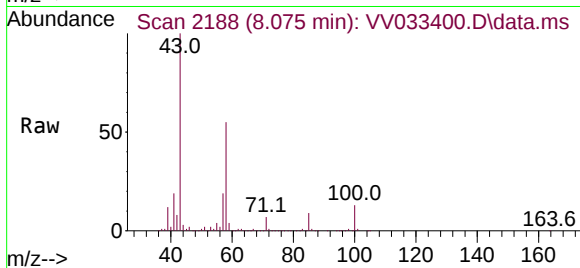




#48
2-Hexanone
Concen: 120.493 ug/L
RT: 8.075 min Scan# 2187
Delta R.T. 0.003 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

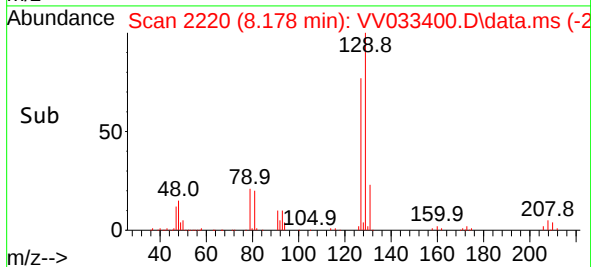
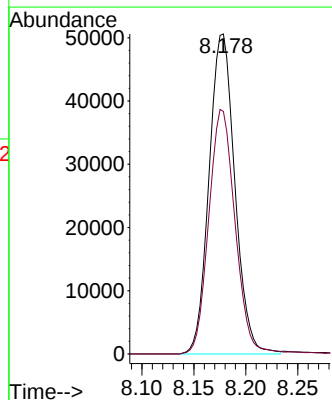
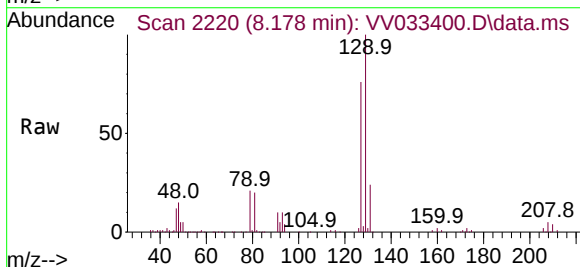
Instrument :
MSVOA_V
ClientSampleId :

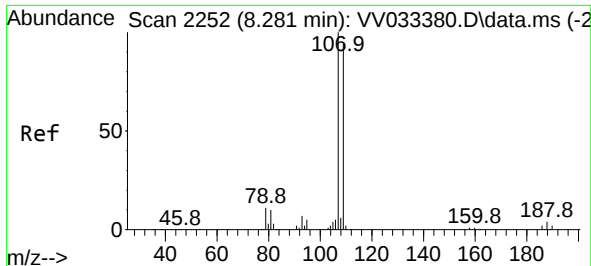
Tgt Ion: 43 Resp: 160216
Ion Ratio Lower Upper
43 100
58 54.2 43.0 64.6
57 19.1 14.7 22.1
100 12.7 10.7 16.1



#49
Dibromochloromethane
Concen: 53.142 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

Tgt Ion:129 Resp: 87495
Ion Ratio Lower Upper
129 100
127 75.8 53.3 98.9





#50

1,2-Dibromoethane

Concen: 55.197 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA_V

ClientSampleId :

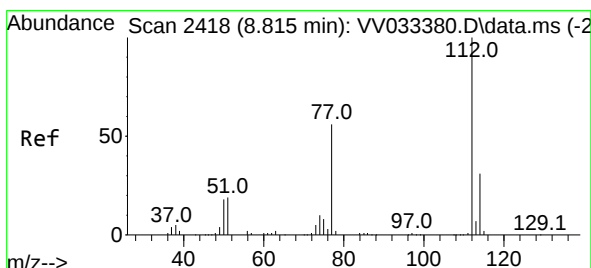
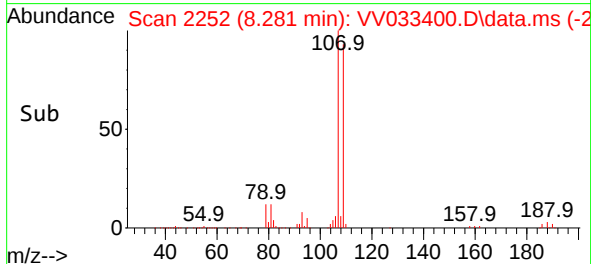
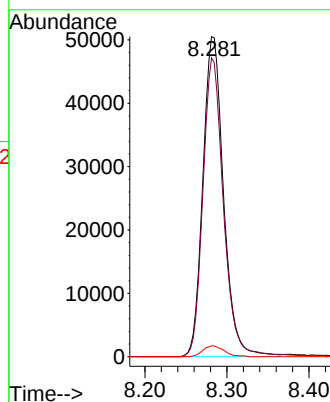
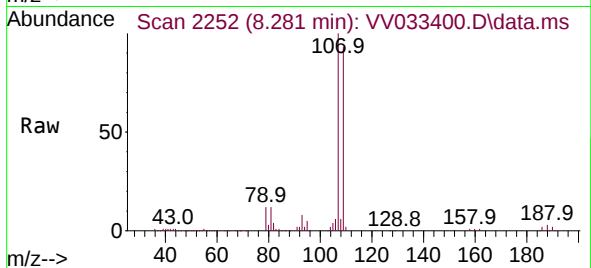
Tgt Ion:107 Resp: 88593

Ion Ratio Lower Upper

107 100

109 93.3 64.2 119.2

188 3.7 2.9 4.3



#51

Chlorobenzene

Concen: 49.560 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

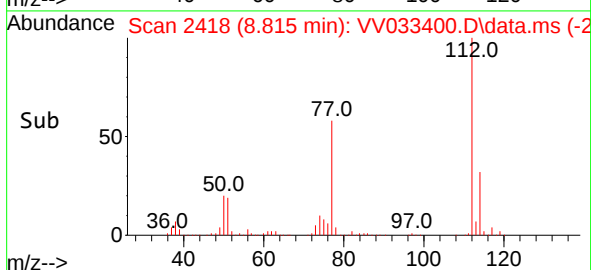
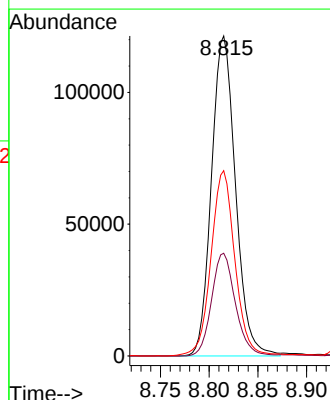
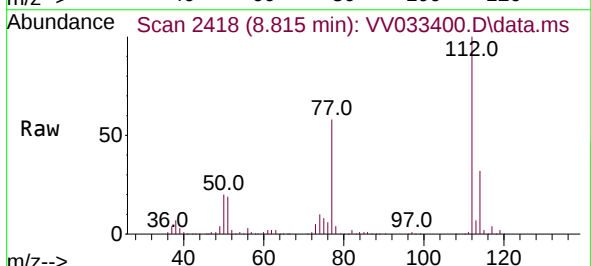
Tgt Ion:112 Resp: 208531

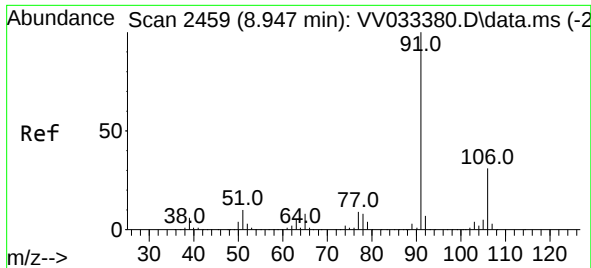
Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.7

77 57.9 45.2 67.8

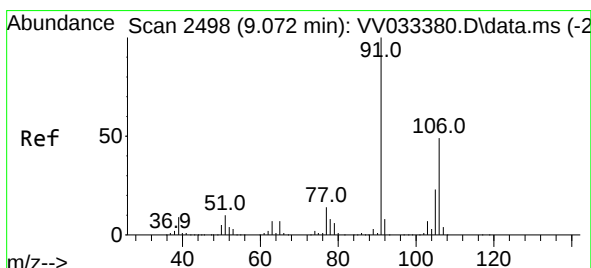
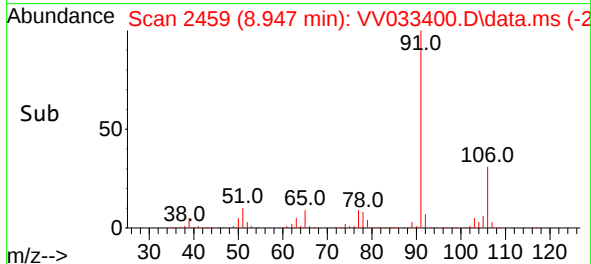
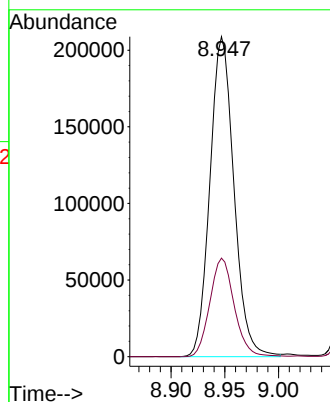
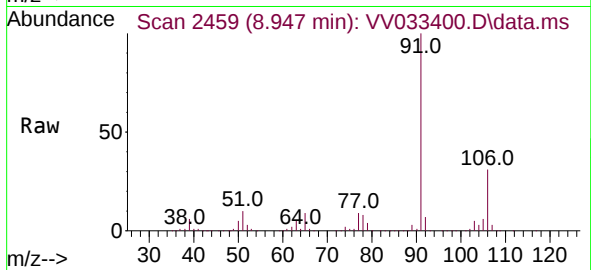




#52
Ethylbenzene
Concen: 49.836 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

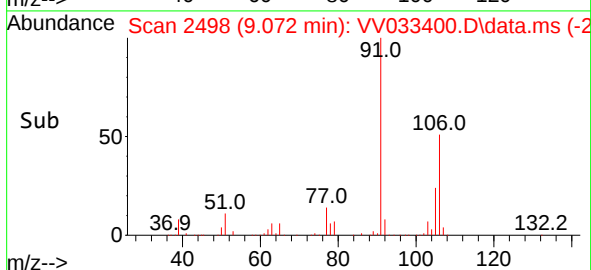
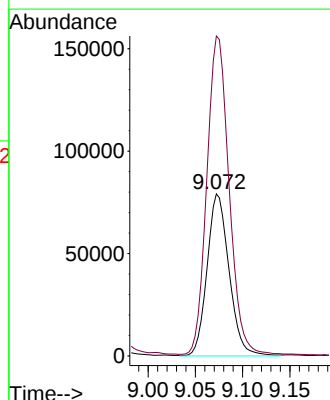
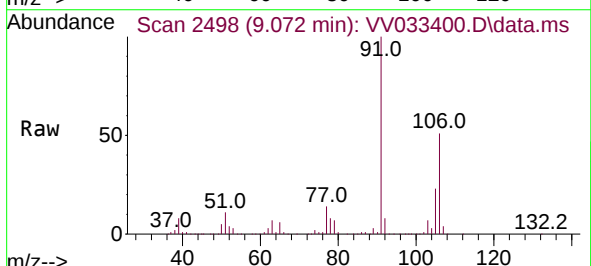
Instrument :
MSVOA_V
ClientSampleId :

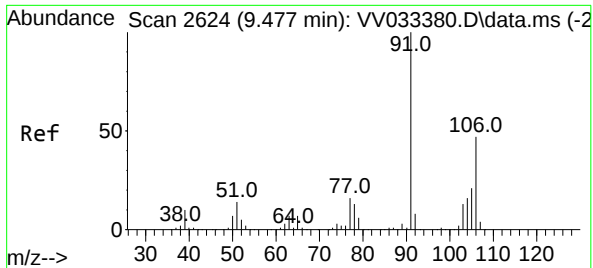
Tgt Ion: 91 Resp: 324046
Ion Ratio Lower Upper
91 100
106 30.8 21.6 40.2



#53
m,p-Xylene
Concen: 52.437 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

Tgt Ion:106 Resp: 128099
Ion Ratio Lower Upper
106 100
91 197.4 143.0 265.6

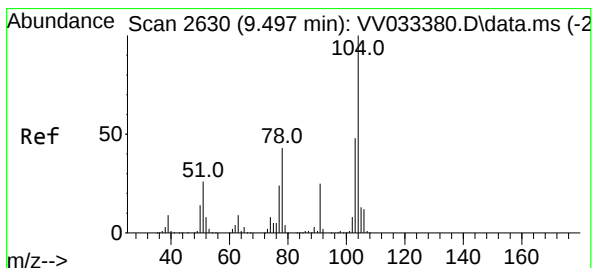
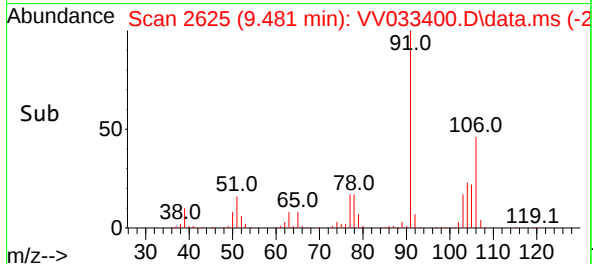
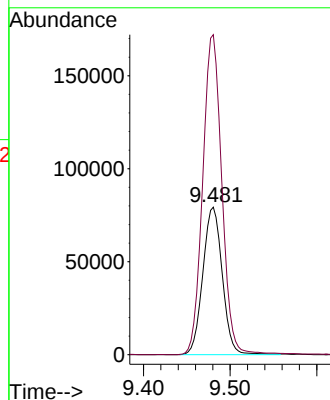
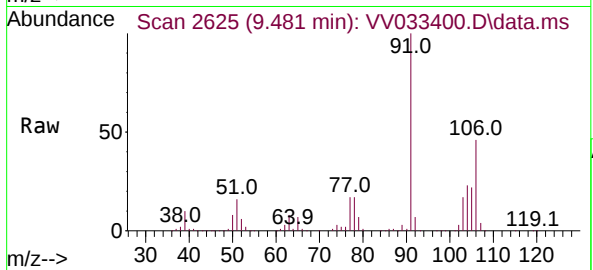




#54
o-Xylene
Concen: 52.261 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

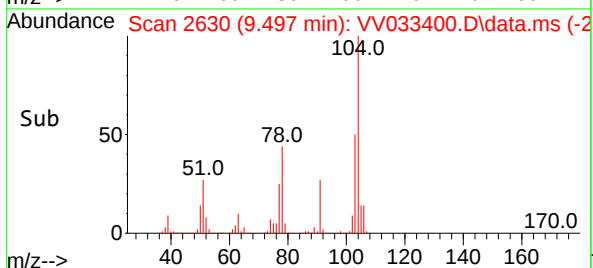
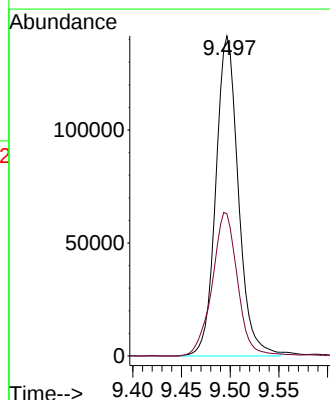
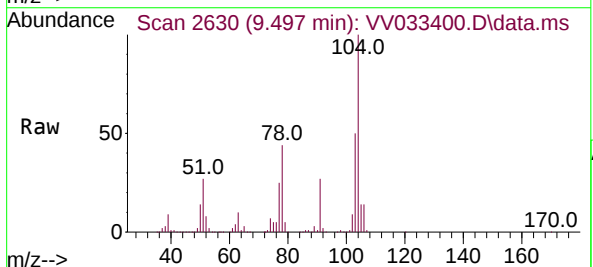
Instrument :
MSVOA_V
ClientSampleId :

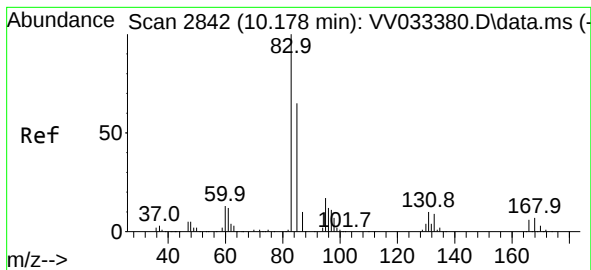
Tgt Ion:106 Resp: 123969
Ion Ratio Lower Upper
106 100
91 216.9 149.7 278.1



#55
Styrene
Concen: 54.524 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

Tgt Ion:104 Resp: 228257
Ion Ratio Lower Upper
104 100
78 44.4 30.2 56.2

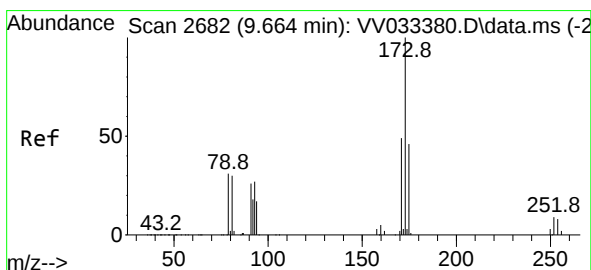
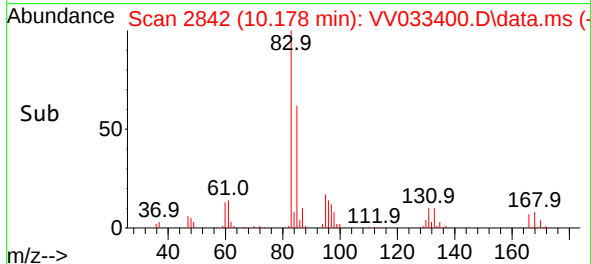
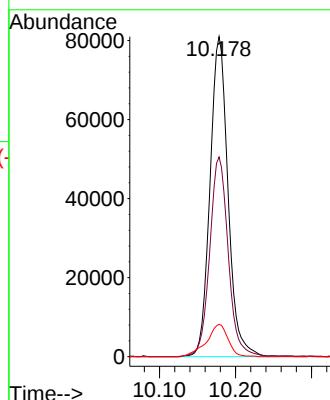
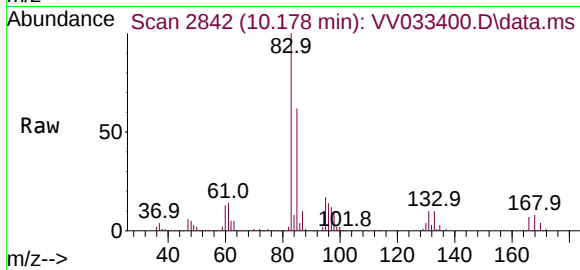




#57
 1,1,2,2-Tetrachloroethane
 Concen: 55.716 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. -0.000 min
 Lab File: VV033400.D
 Acq: 16 Dec 2023 00:13

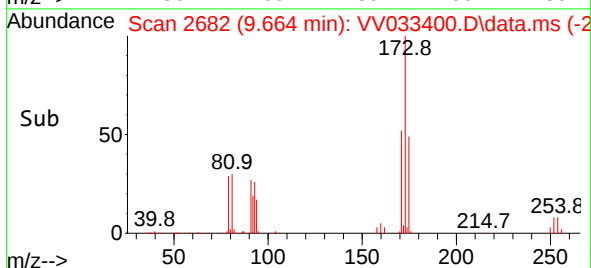
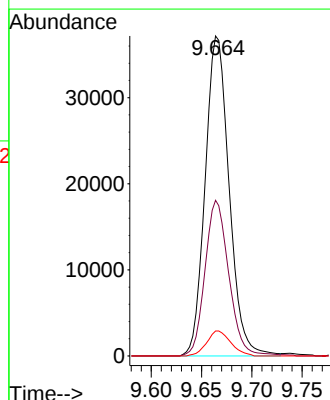
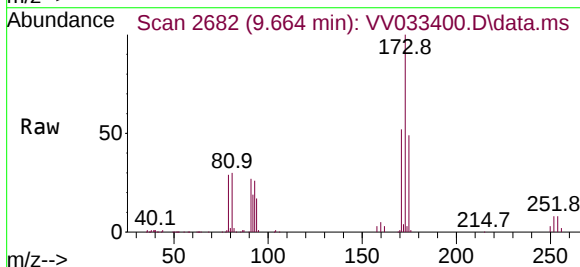
Instrument :
 MSVOA_V
 ClientSampleId :

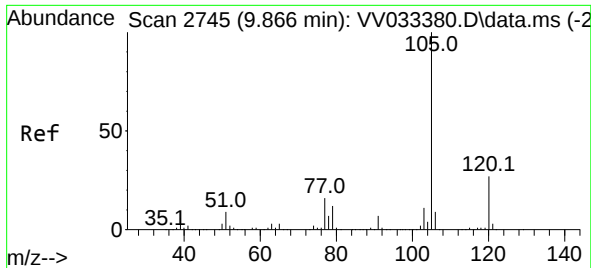
Tgt Ion: 83 Resp: 133237
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.8 83.2
 131 10.1 8.6 12.8



#59
 Bromoform
 Concen: 52.918 ug/L
 RT: 9.664 min Scan# 2682
 Delta R.T. -0.000 min
 Lab File: VV033400.D
 Acq: 16 Dec 2023 00:13

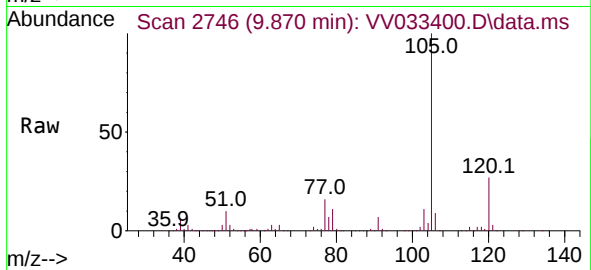
Tgt Ion: 173 Resp: 61703
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.8 58.2
 254 7.9 5.8 8.8



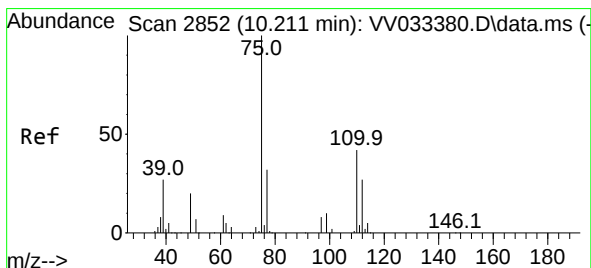
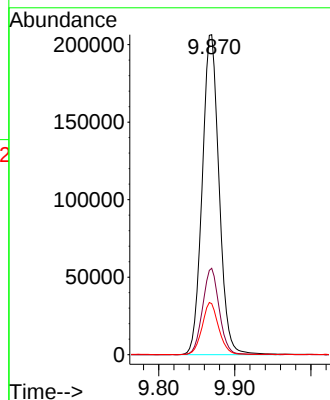
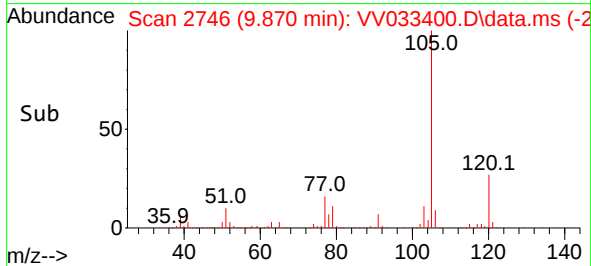


#60
Isopropylbenzene
Concen: 49.498 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

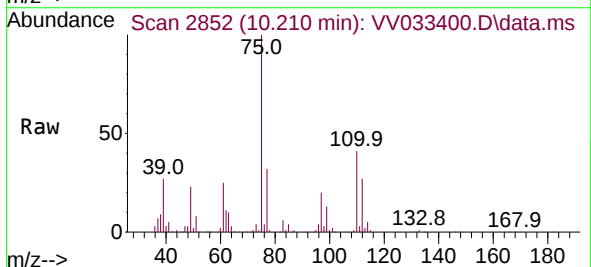
Instrument :
MSVOA_V
ClientSampleId :



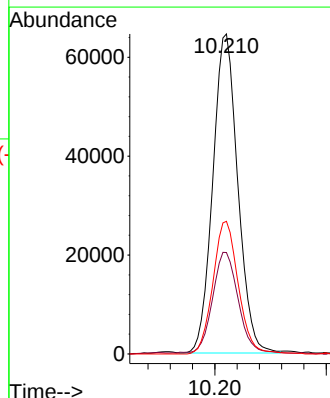
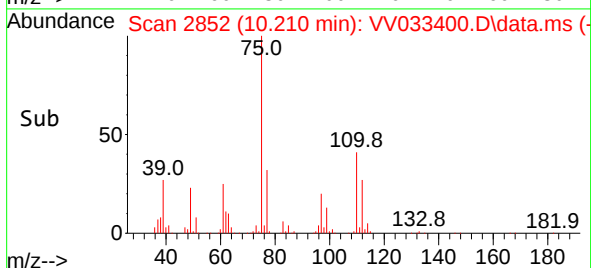
Tgt Ion:105 Resp: 317678
Ion Ratio Lower Upper
105 100
120 26.7 21.2 31.8
77 16.1 12.5 18.7

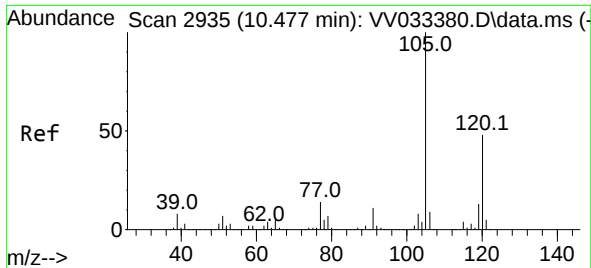


#61
1,2,3-Trichloropropane
Concen: 55.538 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13



Tgt Ion: 75 Resp: 100606
Ion Ratio Lower Upper
75 100
77 33.0 25.7 38.5
110 42.2 33.9 50.9

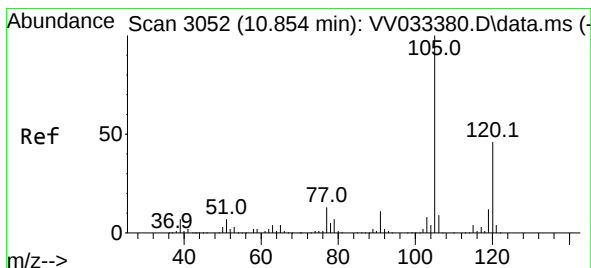
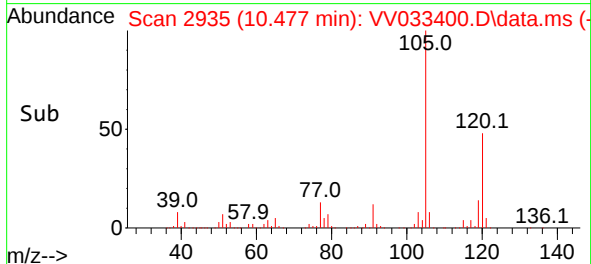
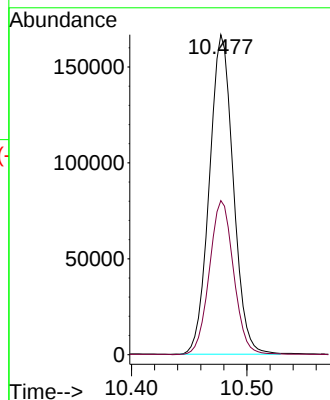
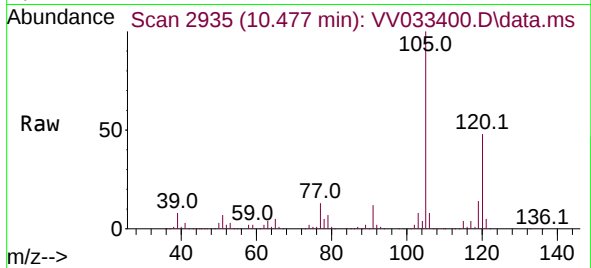




#62
1,3,5-Trimethylbenzene
Concen: 49.332 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

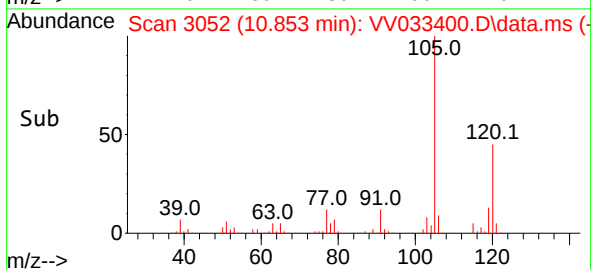
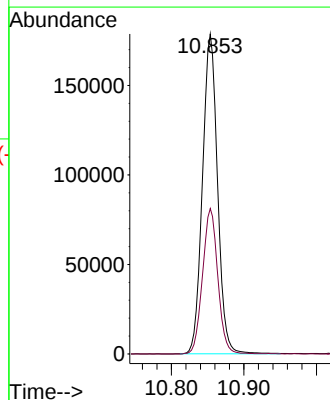
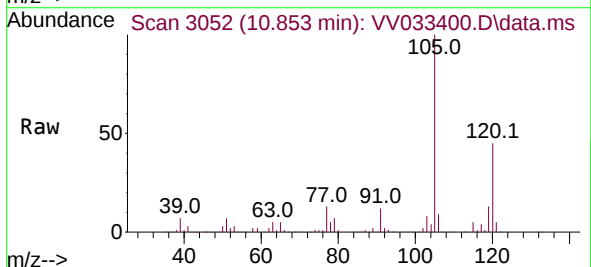
Instrument :
MSVOA_V
ClientSampleId :

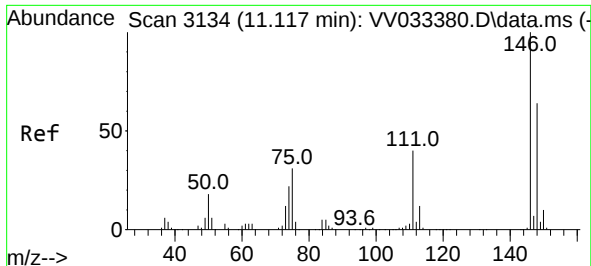
Tgt Ion:105 Resp: 239960
Ion Ratio Lower Upper
105 100
120 49.0 39.5 59.3



#63
1,2,4-Trimethylbenzene
Concen: 51.069 ug/L
RT: 10.853 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

Tgt Ion:105 Resp: 257990
Ion Ratio Lower Upper
105 100
120 46.0 36.2 54.4

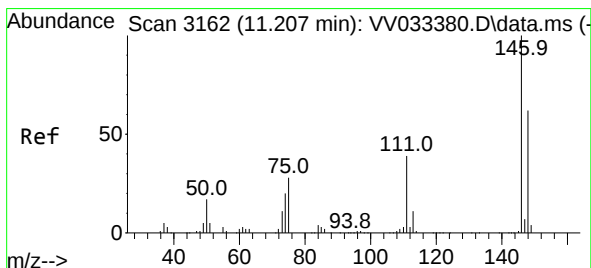
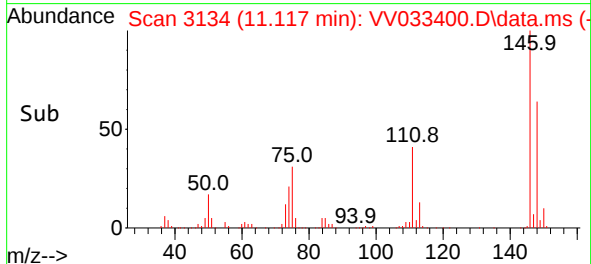
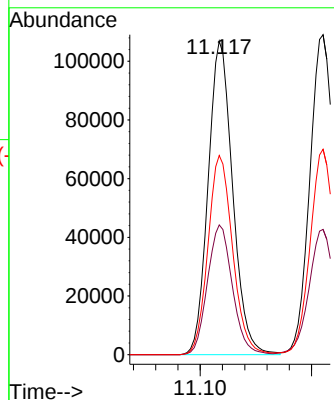
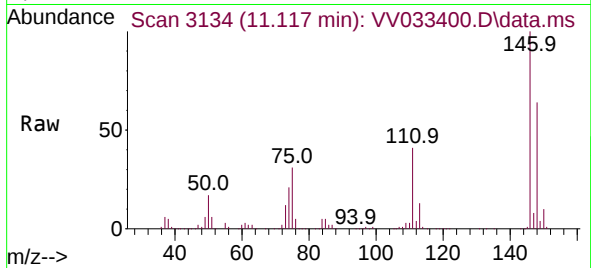




#64
 1,3-Dichlorobenzene
 Concen: 48.993 ug/L
 RT: 11.117 min Scan# 3134
 Delta R.T. -0.000 min
 Lab File: VV033400.D
 Acq: 16 Dec 2023 00:13

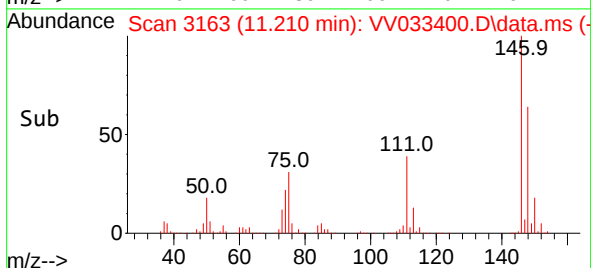
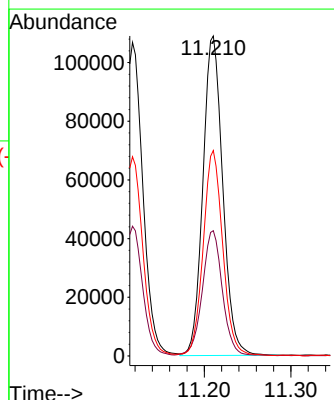
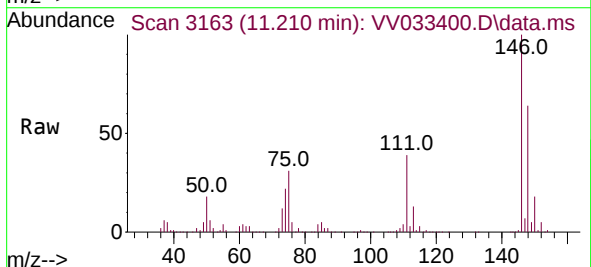
Instrument :
 MSVOA_V
 ClientSampleId :

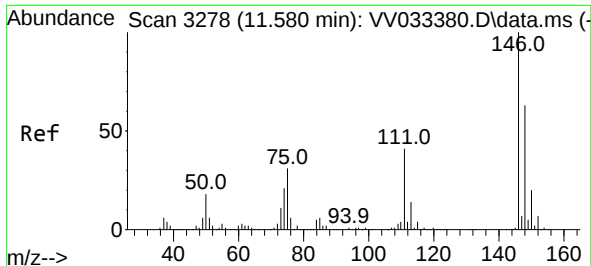
Tgt Ion:146 Resp: 163424
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.3 54.5
 148 63.5 45.4 84.4



#65
 1,4-Dichlorobenzene
 Concen: 48.216 ug/L
 RT: 11.210 min Scan# 3163
 Delta R.T. 0.003 min
 Lab File: VV033400.D
 Acq: 16 Dec 2023 00:13

Tgt Ion:146 Resp: 173099
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.9 51.7
 148 64.2 45.5 84.5

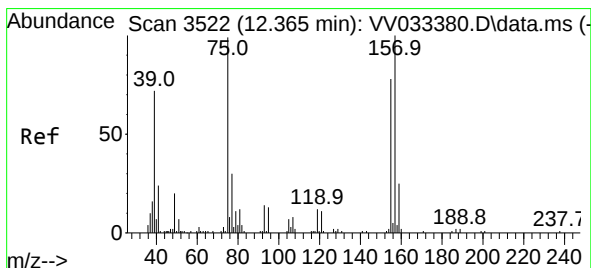
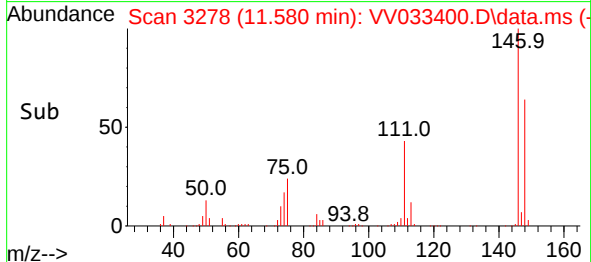
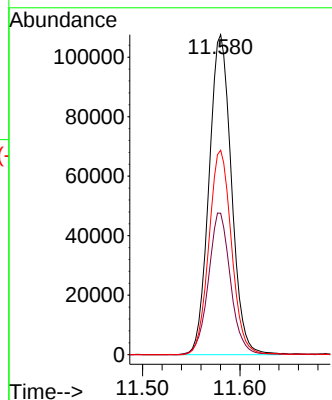
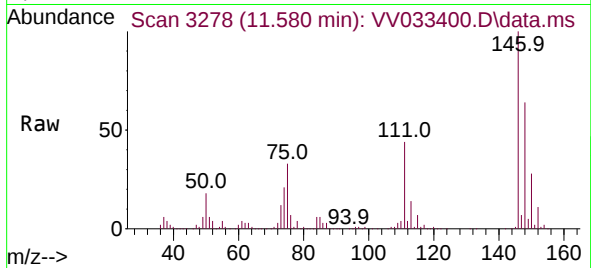




#67
1,2-Dichlorobenzene
Concen: 49.490 ug/L
RT: 11.580 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

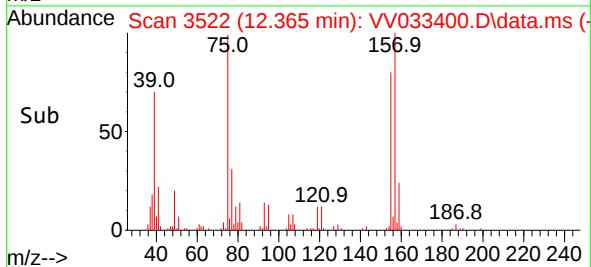
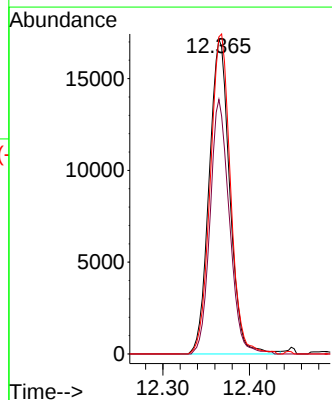
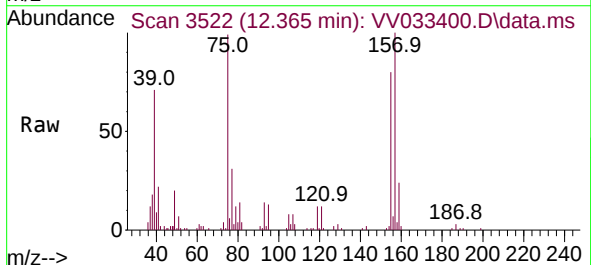
Instrument :
MSVOA_V
ClientSampleId :

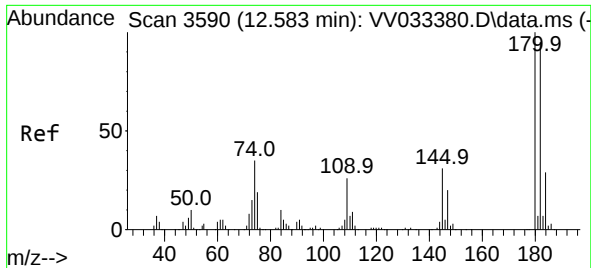
Tgt Ion:146 Resp: 171825
Ion Ratio Lower Upper
146 100
111 44.2 33.5 50.3
148 63.9 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 57.670 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. -0.000 min
Lab File: VV033400.D
Acq: 16 Dec 2023 00:13

Tgt Ion: 75 Resp: 28299
Ion Ratio Lower Upper
75 100
155 80.9 69.4 104.0
157 100.7 81.1 121.7





#69

1,3,5-Trichlorobenzene

Concen: 44.836 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

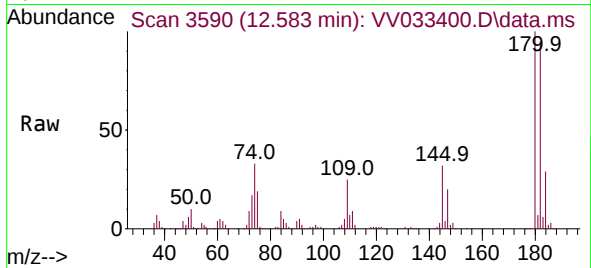
Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 103431

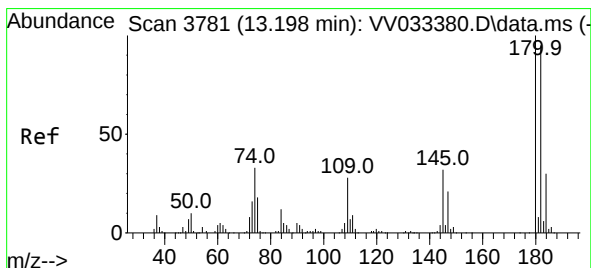
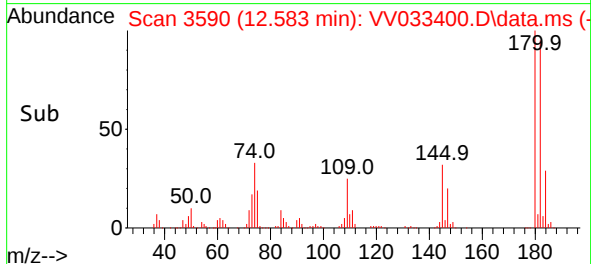
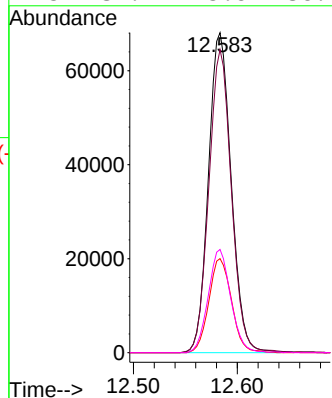
Ion Ratio Lower Upper

180 100

182 94.1 76.2 114.4

184 29.4 24.4 36.6

145 31.9 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 44.324 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

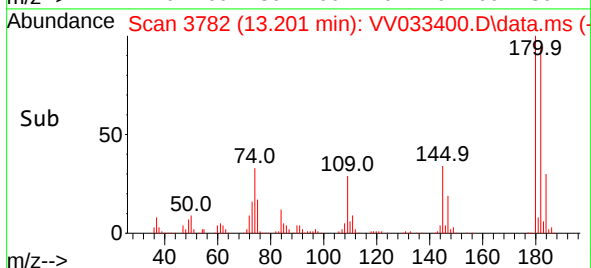
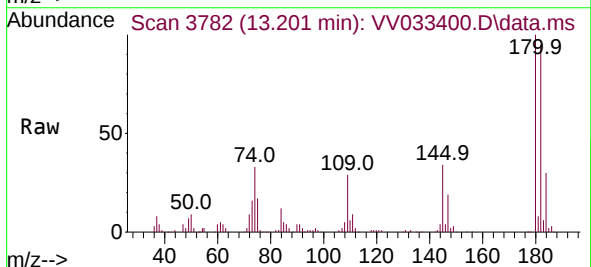
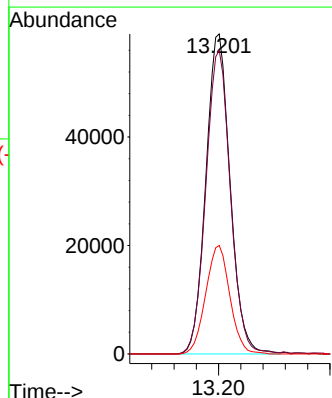
Tgt Ion:180 Resp: 89381

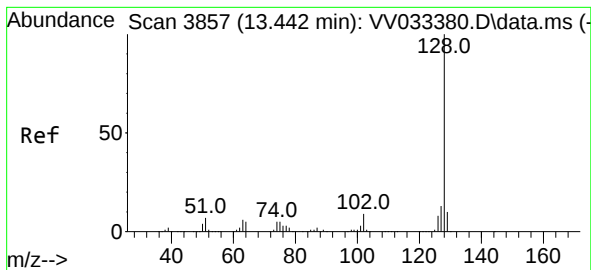
Ion Ratio Lower Upper

180 100

182 95.9 76.1 114.1

145 33.7 25.6 38.4





#71

Naphthalene

Concen: 47.617 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV033400.D

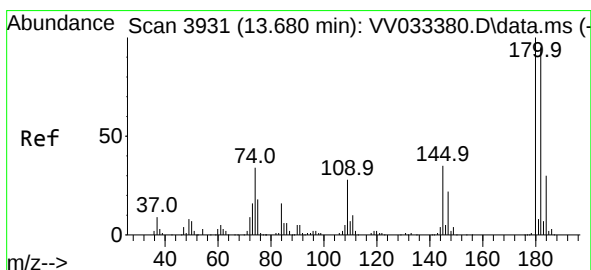
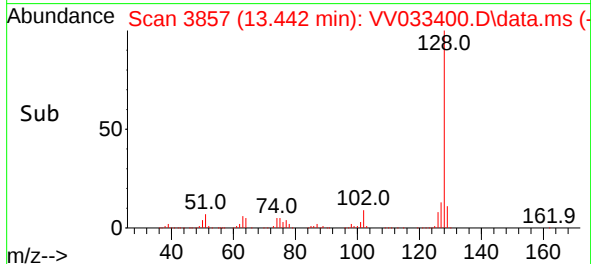
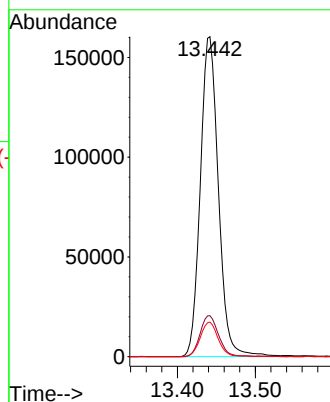
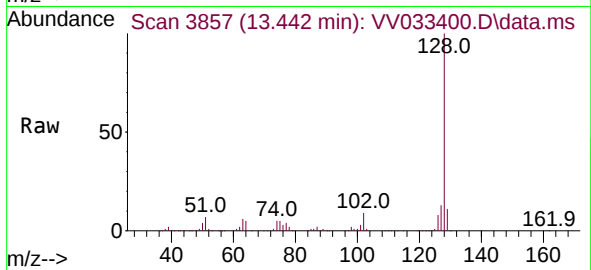
Acq: 16 Dec 2023 00:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	258345
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.8	13.2



#72

1,2,3-Trichlorobenzene

Concen: 50.223 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033400.D

Acq: 16 Dec 2023 00:13

Tgt Ion:	180	Resp:	99061
Ion Ratio	Lower	Upper	
180	100		
182	93.4	76.2	114.2
145	33.7	27.1	40.7

