

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033401.D
 Acq On : 16 Dec 2023 00:36
 Operator : SY/MD
 Sample : 05846-05MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 01:31:42 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	242885	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	245709	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	133422	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	87865	46.976	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.960%
7) Chloroethane-d5	1.529	69	77914	46.417	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.840%
11) 1,1-Dichloroethene-d2	2.060	65	42366	45.501	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.000%
21) 2-Butanone-d5	3.783	46	91378	96.934	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.930%
24) Chloroform-d	4.249	84	178078	48.131	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.260%
26) 1,2-Dichloroethane-d4	4.940	65	107829	47.442	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.880%
32) Benzene-d6	4.960	84	327411	49.475	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.940%
36) 1,2-Dichloropropane-d6	5.989	67	96431	48.012	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.020%
41) Toluene-d8	7.243	98	306009	50.535	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.080%
43) trans-1,3-Dichloroprop...	7.551	79	46959	47.707	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.420%
47) 2-Hexanone-d5	8.024	63	67072	99.286	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.290%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	140081	48.526	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.060%
66) 1,2-Dichlorobenzene-d4	11.561	152	119657	47.725	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	95687	47.952	ug/L	98
3) Chloromethane	1.214	50	88830	48.353	ug/L	99
5) Vinyl chloride	1.281	62	96183	48.838	ug/L	96
6) Bromomethane	1.484	94	62893	44.612	ug/L	98
8) Chloroethane	1.548	64	63926	48.081	ug/L	98
9) Trichlorofluoromethane	1.712	101	160601	46.504	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	91776	45.552	ug/L	100
12) 1,1-Dichloroethene	2.069	96	80166	46.837	ug/L	98
13) Acetone	2.108	43	159040	145.343	ug/L	99
14) Carbon disulfide	2.240	76	207819	47.514	ug/L	100
15) Methyl Acetate	2.371	43	66008	42.238	ug/L	98
16) Methylene chloride	2.445	84	89678	46.913	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	79967	49.429	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	252581	51.412	ug/L	99
19) 1,1-Dichloroethane	3.111	63	152181	49.080	ug/L	97
20) cis-1,2-Dichloroethene	3.815	96	89173	48.615	ug/L	98
22) 2-Butanone	3.860	43	141569	131.319	ug/L	98
23) Bromochloromethane	4.149	128	47733	47.476	ug/L	98
25) Chloroform	4.275	83	173030	49.587	ug/L	99

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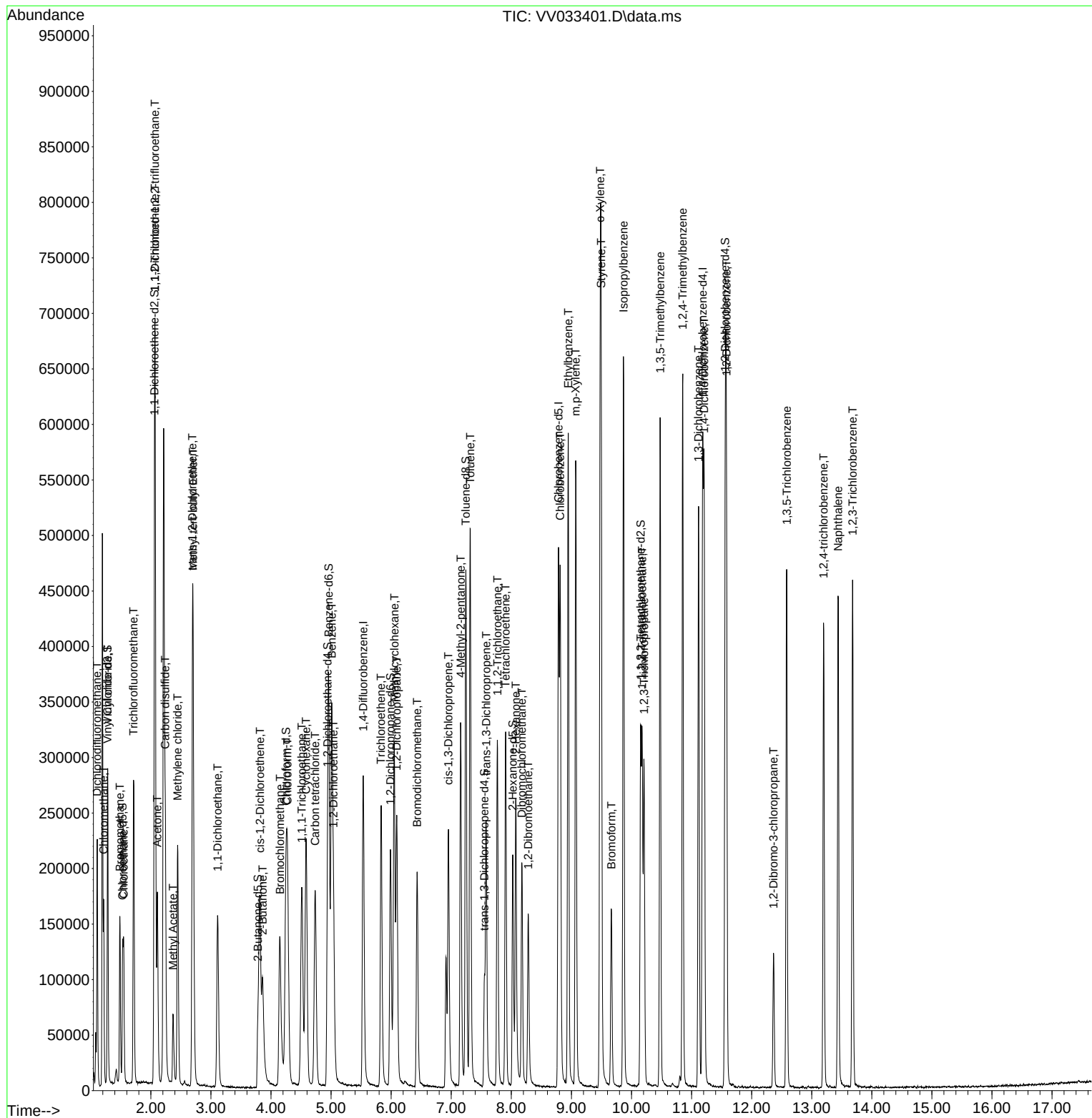
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	135151	50.247	ug/L	99
29) Cyclohexane	4.584	56	112134	50.635	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	148902	49.083	ug/L	98
31) Carbon tetrachloride	4.735	117	131662	48.495	ug/L	98
33) Benzene	5.011	78	336695	51.411	ug/L	100
34) Trichloroethene	5.831	95	89291	49.697	ug/L	94
35) Methylcyclohexane	6.053	83	122424	47.506	ug/L	99
37) 1,2-Dichloropropane	6.092	63	86428	48.662	ug/L #	95
38) Bromodichloromethane	6.432	83	124653	48.764	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	131447	50.873	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	207890	109.684	ug/L	100
42) Toluene	7.317	91	364601	52.526	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	129630	49.996	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	93046	50.263	ug/L	98
46) Tetrachloroethene	7.905	164	67323	47.954	ug/L	98
48) 2-Hexanone	8.075	43	162835	103.006	ug/L	98
49) Dibromochloromethane	8.175	129	97317	49.716	ug/L	96
50) 1,2-Dibromoethane	8.281	107	96130	50.377	ug/L	100
51) Chlorobenzene	8.812	112	242831	48.542	ug/L	98
52) Ethylbenzene	8.947	91	392726	50.803	ug/L	98
53) m,p-Xylene	9.072	106	151423	52.136	ug/L	99
54) o-Xylene	9.480	106	147309	52.234	ug/L	99
55) Styrene	9.497	104	271115	54.472	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	140839	49.537	ug/L	99
59) Bromoform	9.667	173	67685	49.172	ug/L	99
60) Isopropylbenzene	9.866	105	401496	52.992	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	108288	50.638	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	300162	52.273	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	320127	53.679	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	197612	50.183	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	201406	47.522	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	201468	49.155	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	28936	49.951	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	130360	47.869	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	114299	48.014	ug/L	99
71) Naphthalene	13.438	128	332241	51.873	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	121532	52.194	ug/L	98

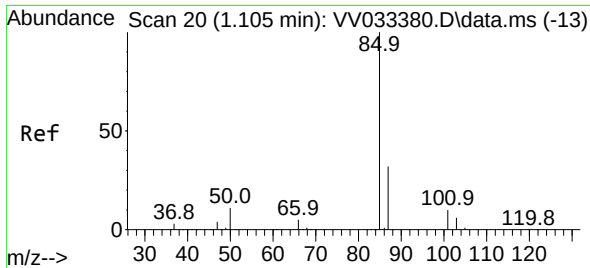
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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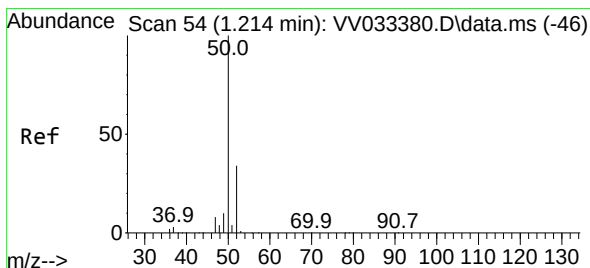
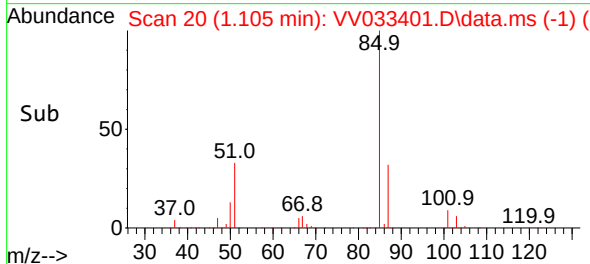
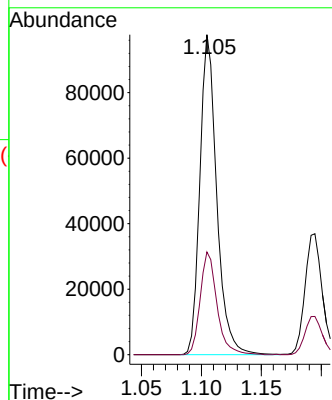
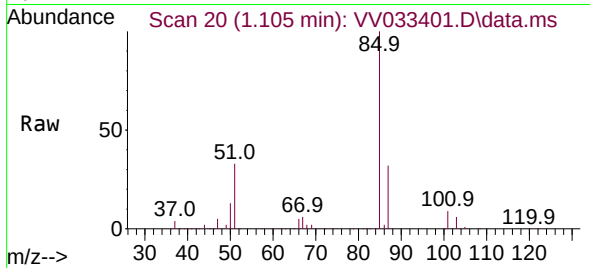




#2
 Dichlorodifluoromethane
 Concen: 47.952 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033401.D
 Acq: 16 Dec 2023 00:36

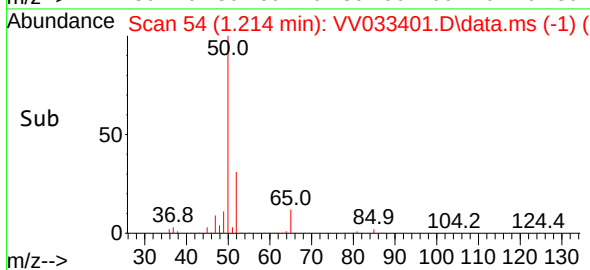
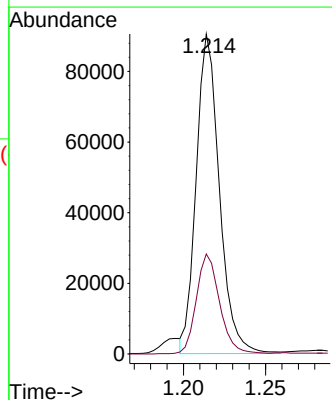
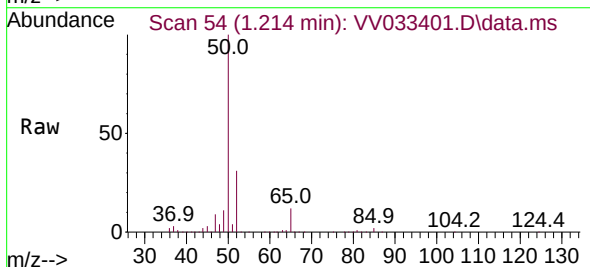
Instrument :
 MSVOA_V
 ClientSampleId :

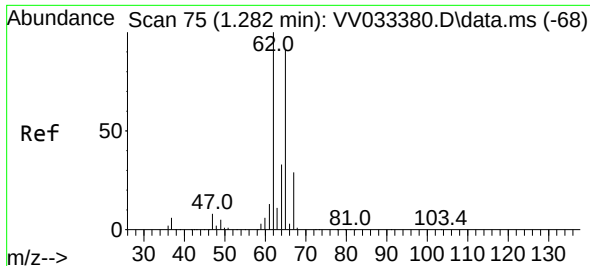
Tgt Ion: 85 Resp: 95687
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.6 39.8



#3
 Chloromethane
 Concen: 48.353 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033401.D
 Acq: 16 Dec 2023 00:36

Tgt Ion: 50 Resp: 88830
 Ion Ratio Lower Upper
 50 100
 52 31.2 22.3 41.5

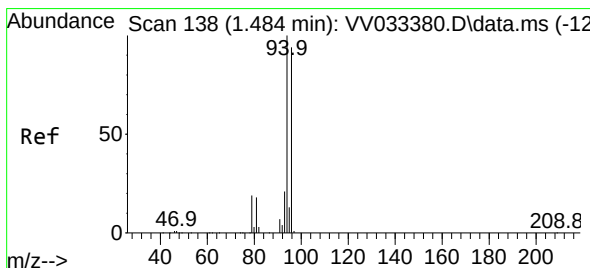
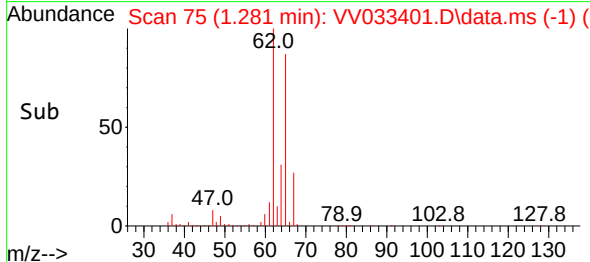
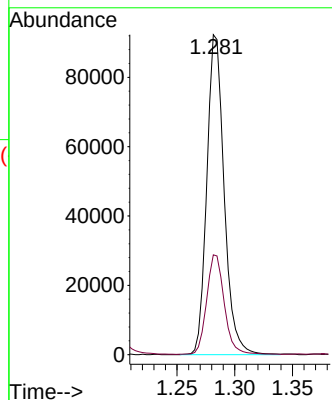
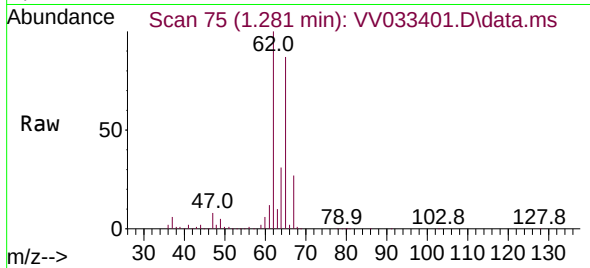




#5
 Vinyl chloride
 Concen: 48.838 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV033401.D
 Acq: 16 Dec 2023 00:36

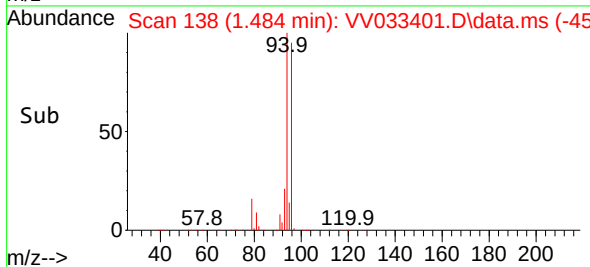
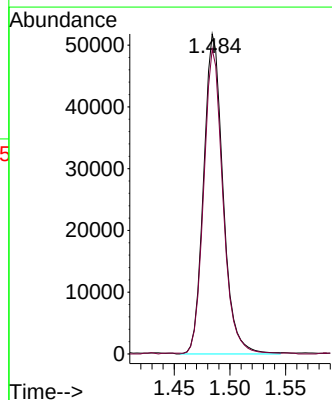
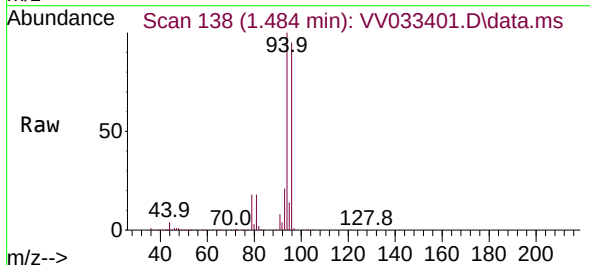
Instrument :
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 ClientSampleId :

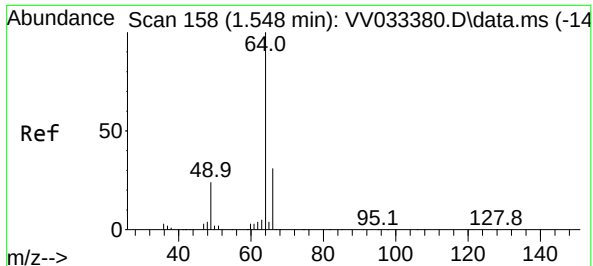
Tgt Ion: 62 Resp: 96183
 Ion Ratio Lower Upper
 62 100
 64 31.2 23.4 43.6



#6
 Bromomethane
 Concen: 44.612 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV033401.D
 Acq: 16 Dec 2023 00:36

Tgt Ion: 94 Resp: 62893
 Ion Ratio Lower Upper
 94 100
 96 95.3 65.1 120.9

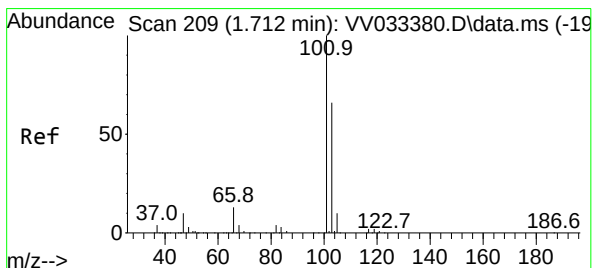
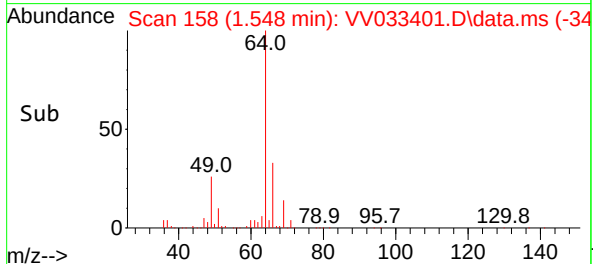
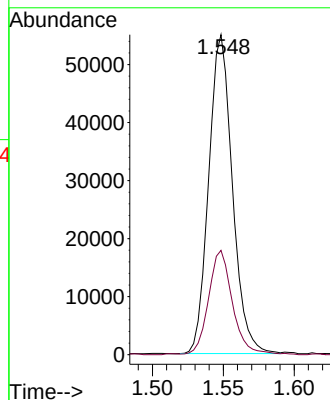
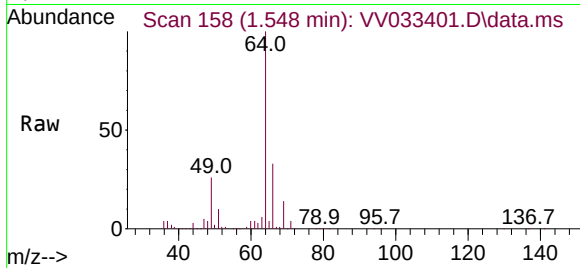




#8
Chloroethane
Concen: 48.081 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

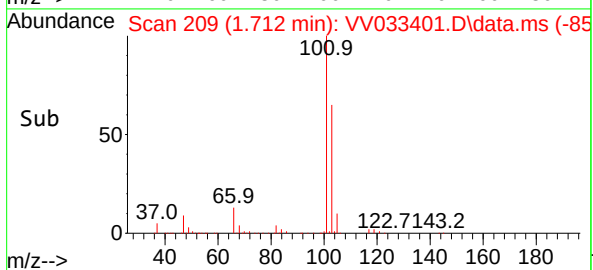
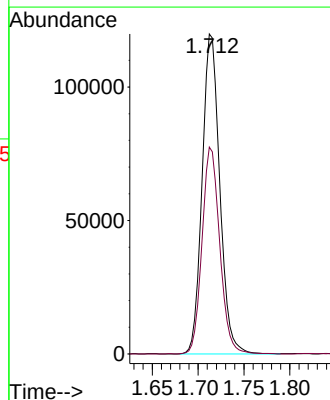
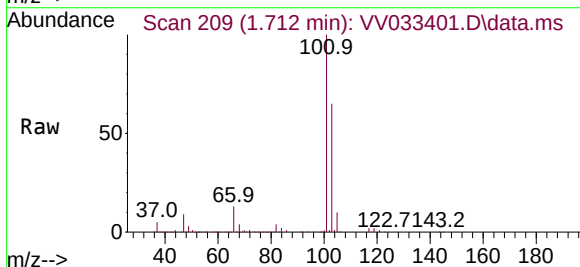
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ClientSampleId :

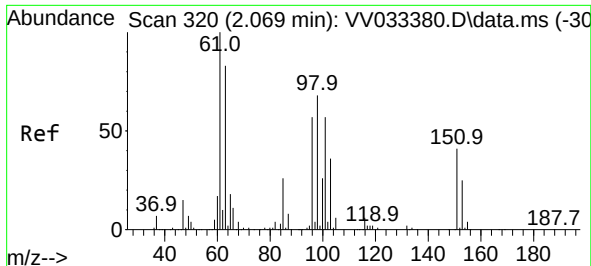
Tgt Ion: 64 Resp: 63926
Ion Ratio Lower Upper
64 100
66 32.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 46.504 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

Tgt Ion:101 Resp: 160601
Ion Ratio Lower Upper
101 100
103 64.7 52.2 78.4

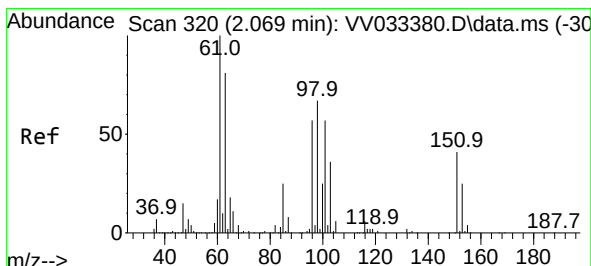
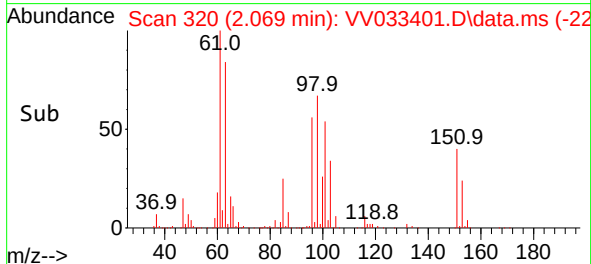
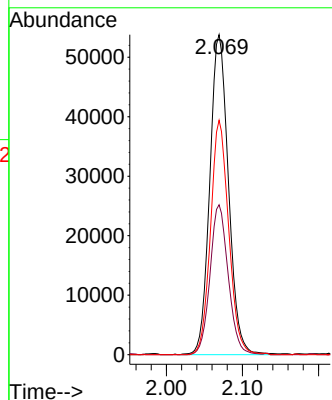
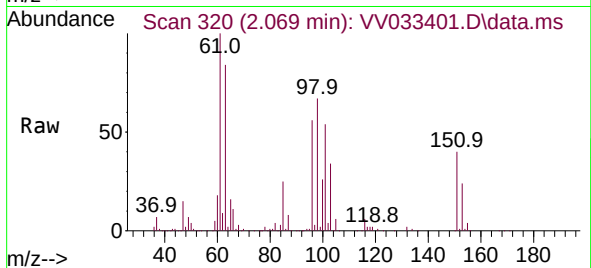




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.552 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033401.D
 Acq: 16 Dec 2023 00:36

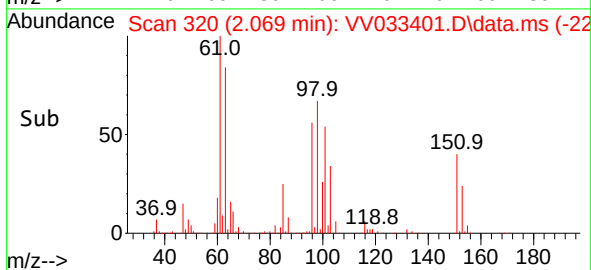
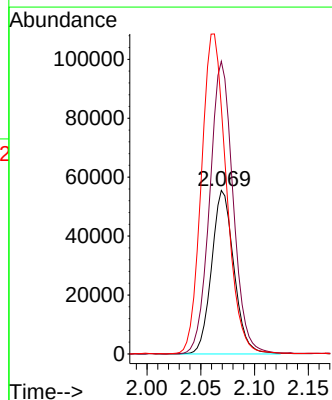
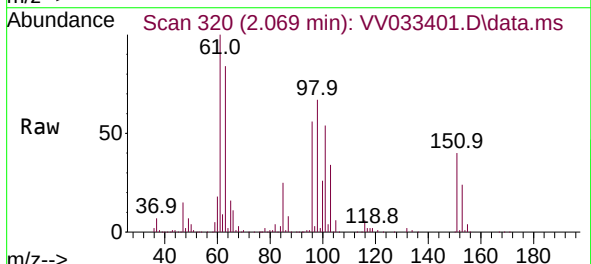
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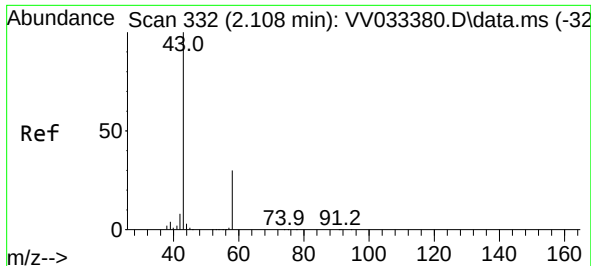
Tgt Ion:101 Resp: 91776
 Ion Ratio Lower Upper
 101 100
 85 45.6 36.6 54.8
 151 71.2 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 46.837 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033401.D
 Acq: 16 Dec 2023 00:36

Tgt Ion: 96 Resp: 80166
 Ion Ratio Lower Upper
 96 100
 61 179.0 124.3 230.8
 63 150.9 108.1 200.7





#13

Acetone

Concen: 145.343 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

Instrument :

MSVOA_V

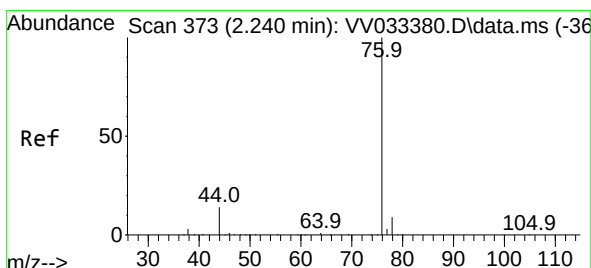
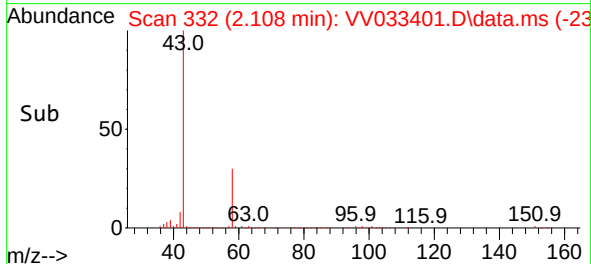
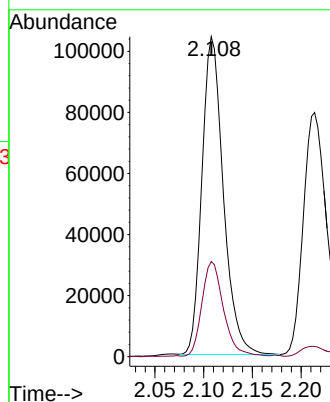
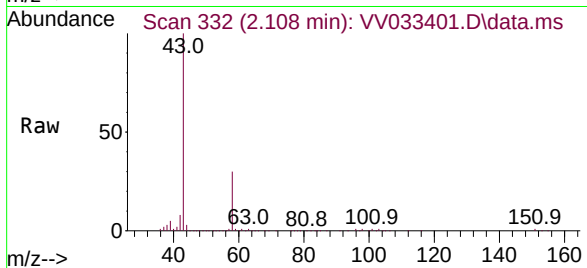
ClientSampleId :

Tgt Ion: 43 Resp: 159040

Ion Ratio Lower Upper

43 100

58 30.1 0.0 59.2



#14

Carbon disulfide

Concen: 47.514 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV033401.D

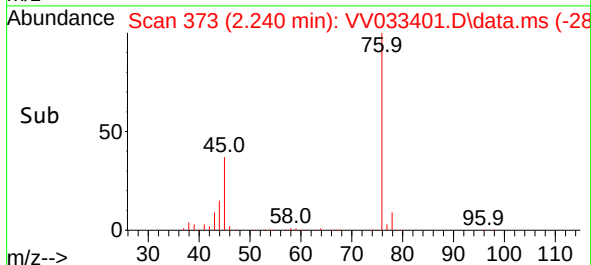
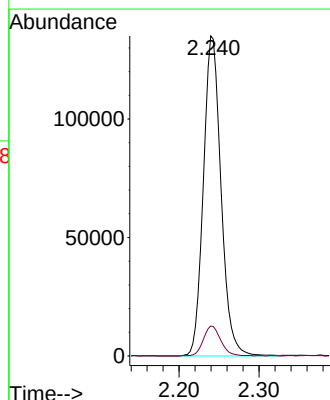
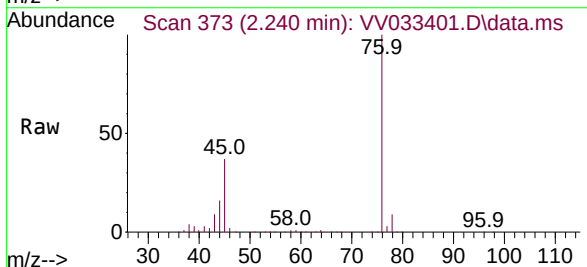
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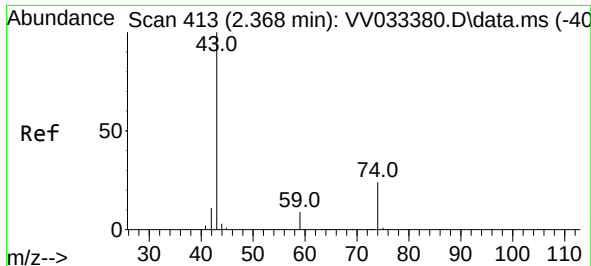
Tgt Ion: 76 Resp: 207819

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

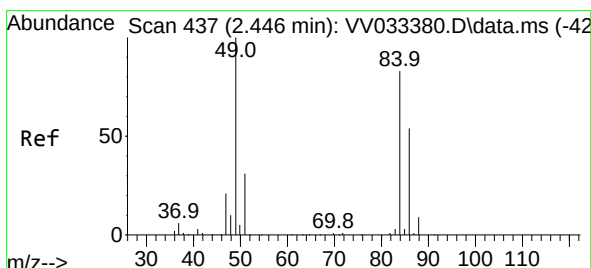
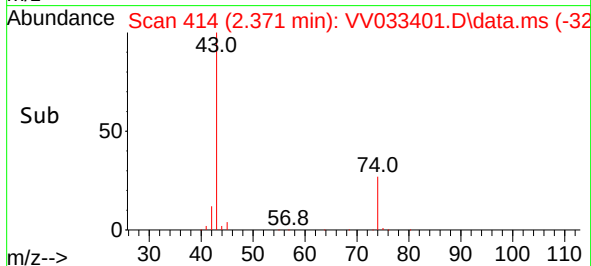
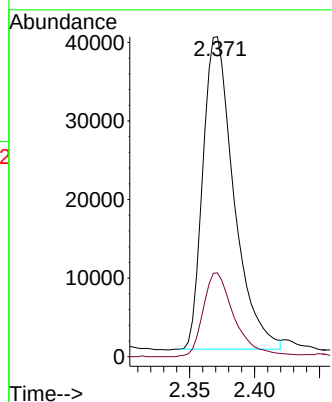
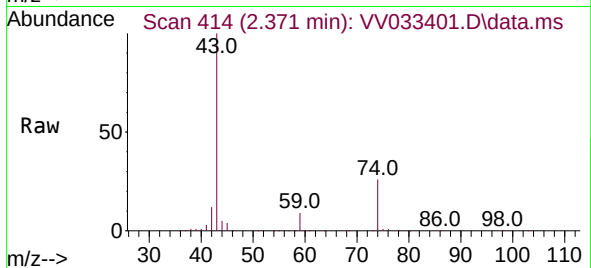




#15
Methyl Acetate
Concen: 42.238 ug/L
RT: 2.371 min Scan# 413
Delta R.T. 0.003 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

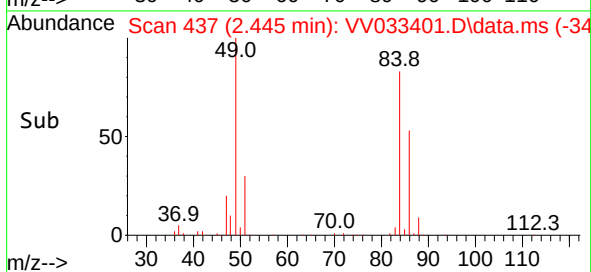
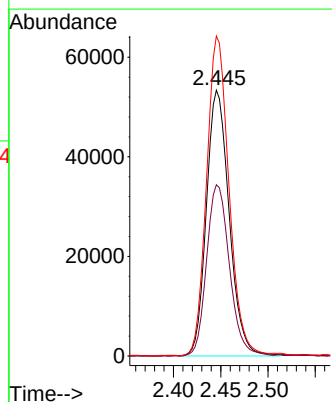
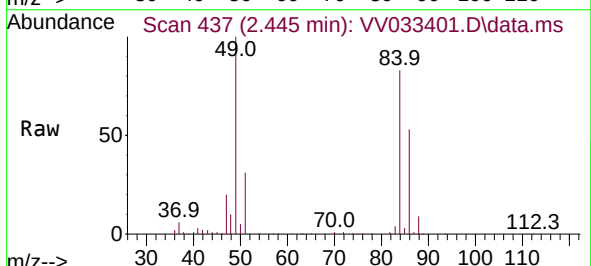
Instrument :
MSVOA_V
ClientSampleId :

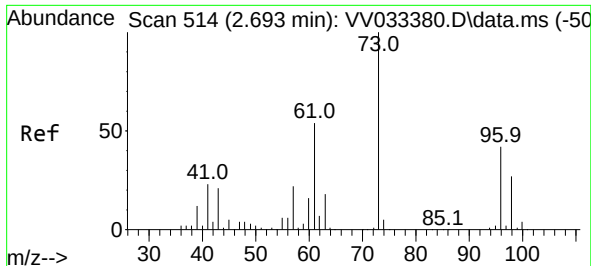
Tgt Ion: 43 Resp: 66008
Ion Ratio Lower Upper
43 100
74 27.3 20.8 31.2



#16
Methylene chloride
Concen: 46.913 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

Tgt Ion: 84 Resp: 89678
Ion Ratio Lower Upper
84 100
86 64.4 45.4 84.2
49 120.4 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 49.429 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

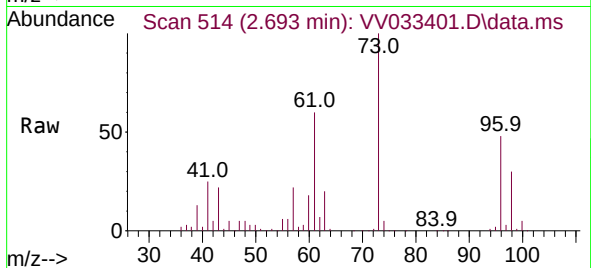
Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

Instrument :

MSVOA_V

ClientSampleId :



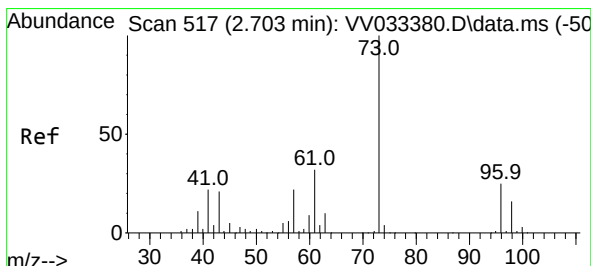
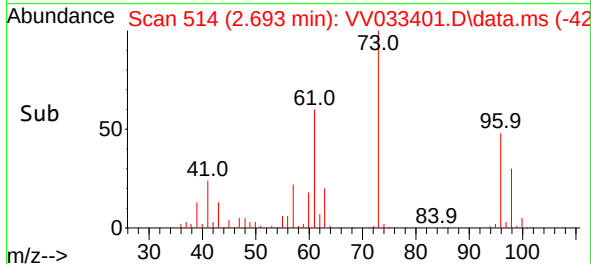
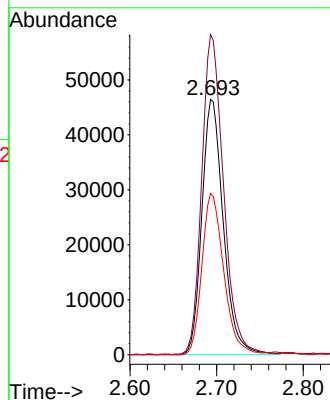
Tgt Ion: 96 Resp: 79967

Ion Ratio Lower Upper

96 100

61 125.3 89.6 166.4

98 63.2 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 51.412 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

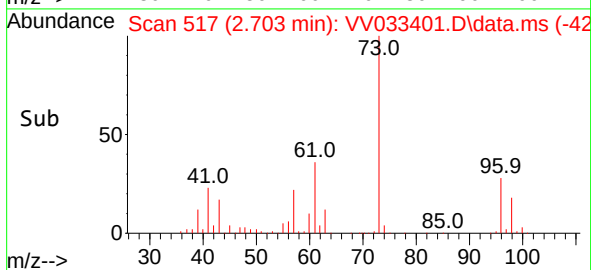
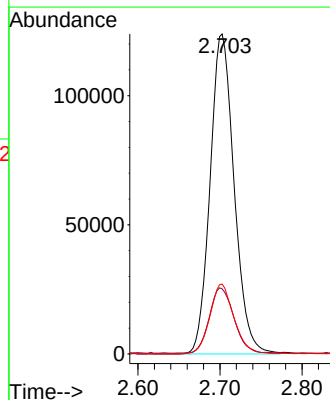
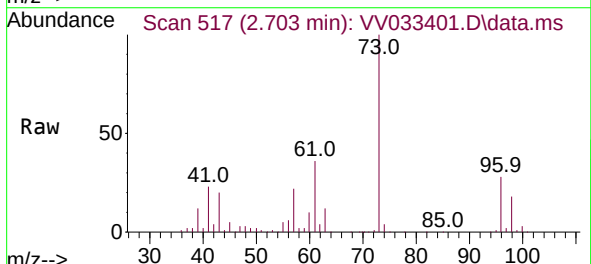
Tgt Ion: 73 Resp: 252581

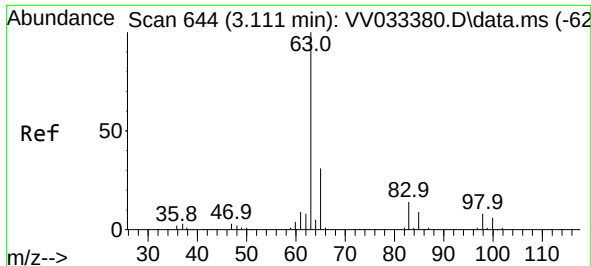
Ion Ratio Lower Upper

73 100

43 20.6 16.3 24.5

57 21.8 17.3 25.9





#19

1,1-Dichloroethane

Concen: 49.080 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

Instrument :

MSVOA_V

ClientSampleId :

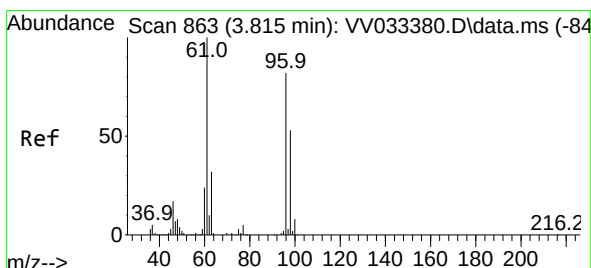
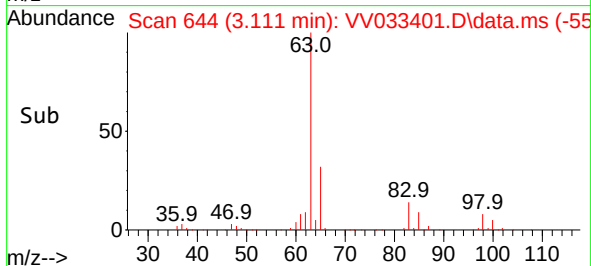
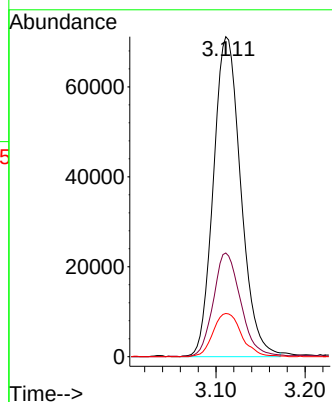
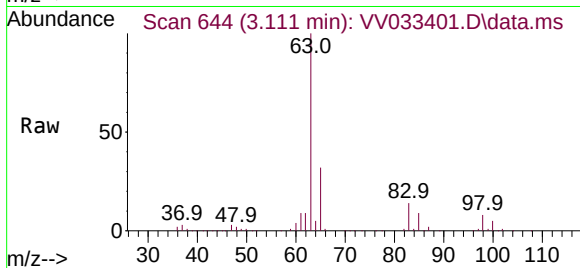
Tgt Ion: 63 Resp: 152181

Ion Ratio Lower Upper

63 100

65 32.4 21.1 39.3

83 13.5 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 48.615 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

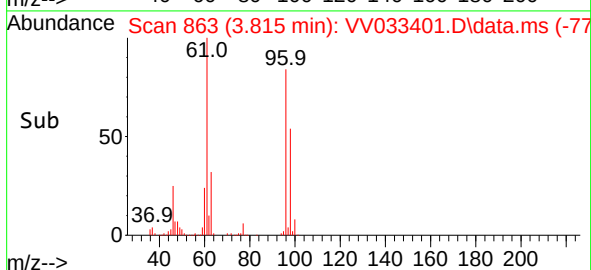
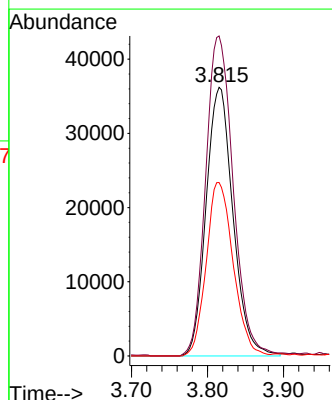
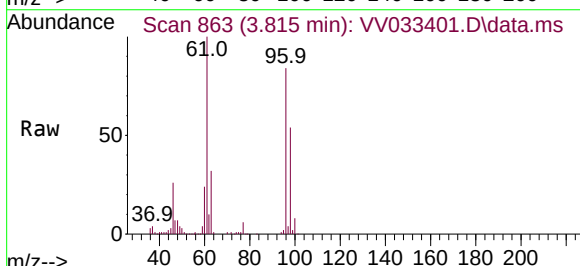
Tgt Ion: 96 Resp: 89173

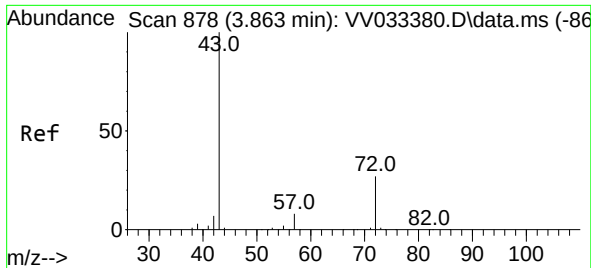
Ion Ratio Lower Upper

96 100

61 119.1 81.9 152.1

98 64.5 44.3 82.3

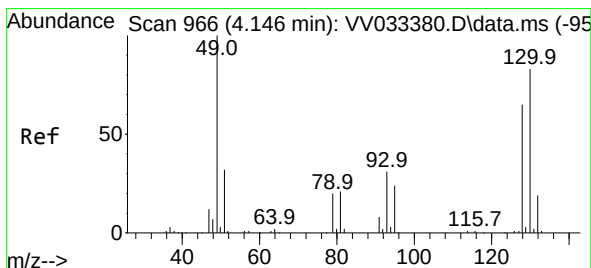
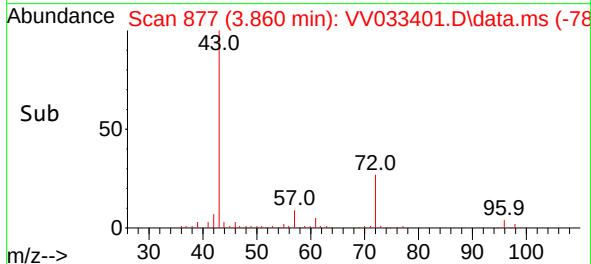
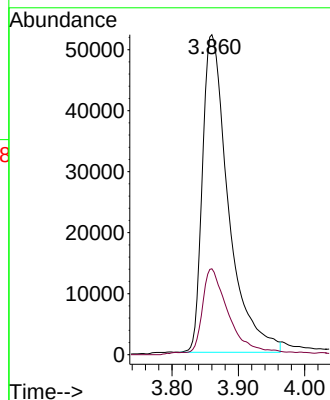
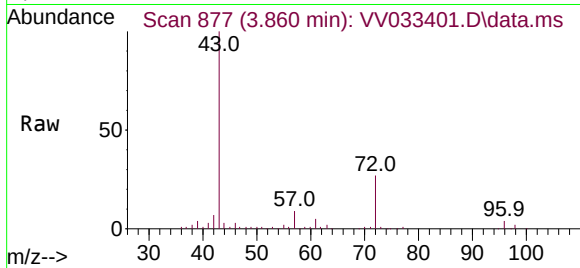




#22
2-Butanone
Concen: 131.319 ug/L
RT: 3.860 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

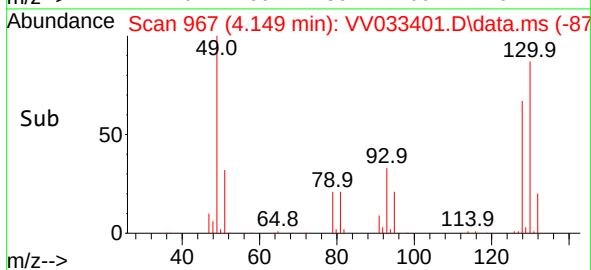
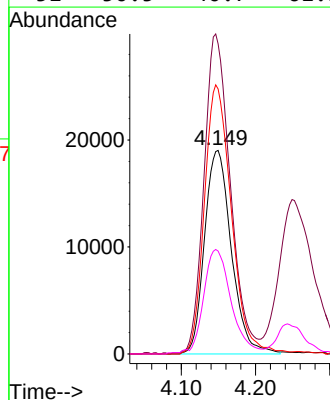
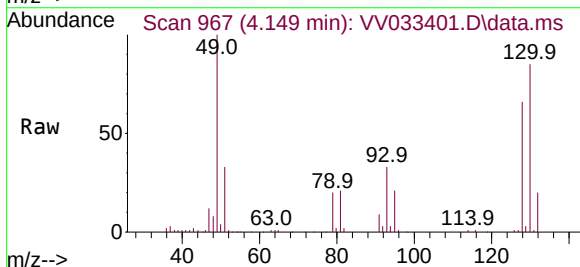
Instrument :
MSVOA_V
ClientSampleId :

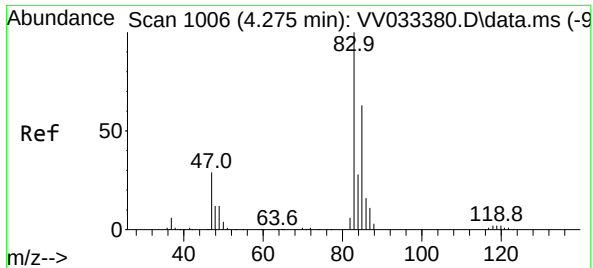
Tgt Ion: 43 Resp: 141569
Ion Ratio Lower Upper
43 100
72 25.7 12.4 37.4



#23
Bromochloromethane
Concen: 47.476 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

Tgt Ion:128 Resp: 47733
Ion Ratio Lower Upper
128 100
49 152.3 106.0 196.9
130 130.1 93.6 173.8
51 50.5 40.7 61.1

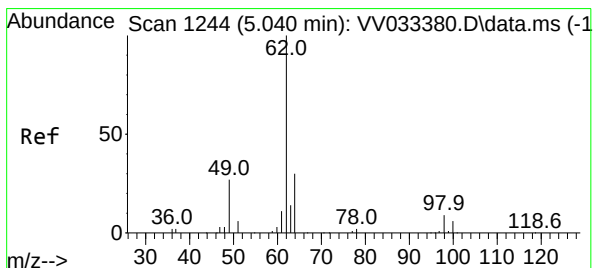
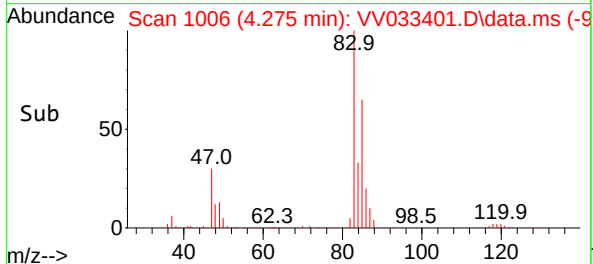
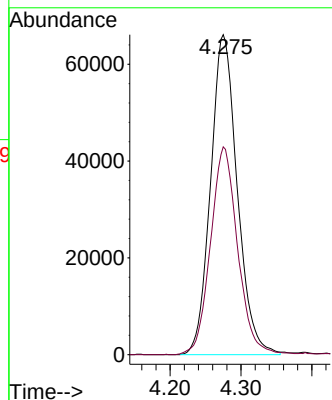
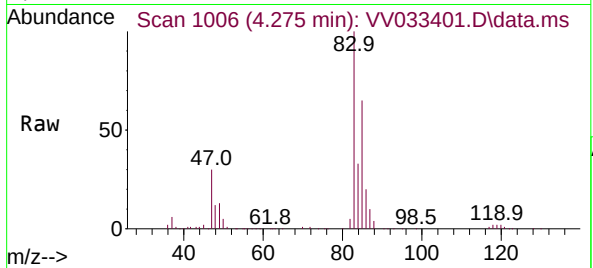




#25
Chloroform
Concen: 49.587 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

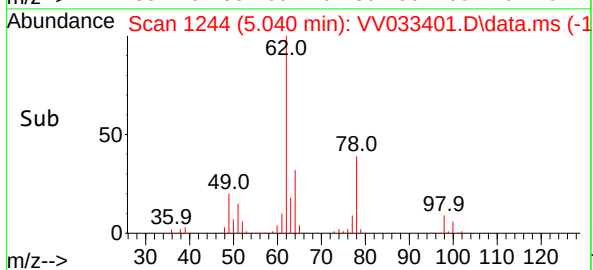
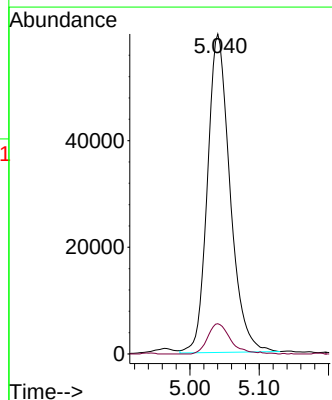
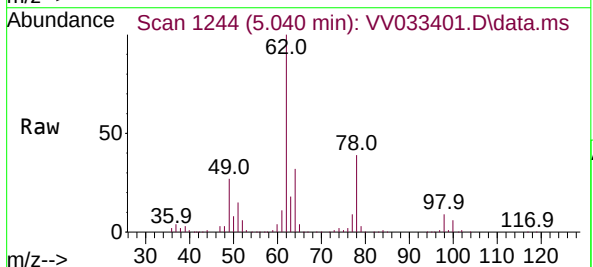
Instrument :
MSVOA_V
ClientSampleId :

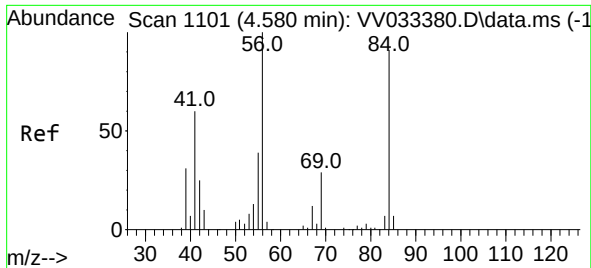
Tgt Ion: 83 Resp: 173030
Ion Ratio Lower Upper
83 100
85 64.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 50.247 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

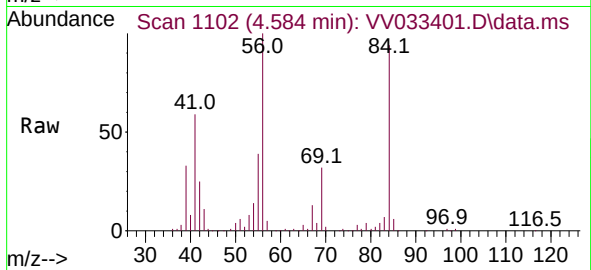
Tgt Ion: 62 Resp: 135151
Ion Ratio Lower Upper
62 100
98 9.4 8.0 12.0



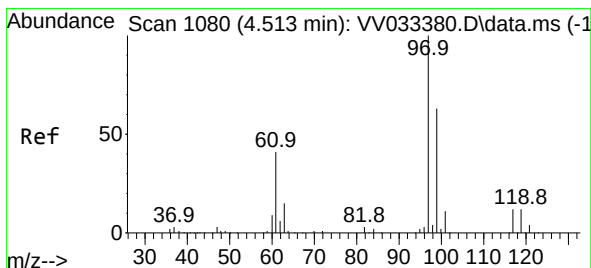
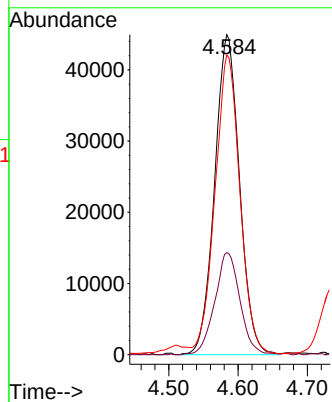
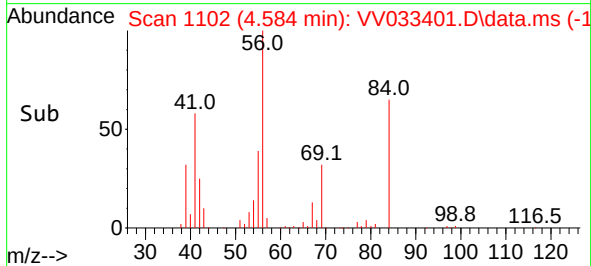


#29
Cyclohexane
Concen: 50.635 ug/L
RT: 4.584 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

Instrument :
MSVOA_V
ClientSampleId :

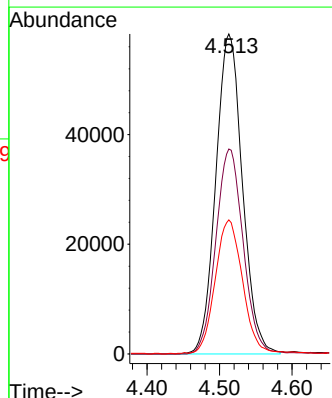
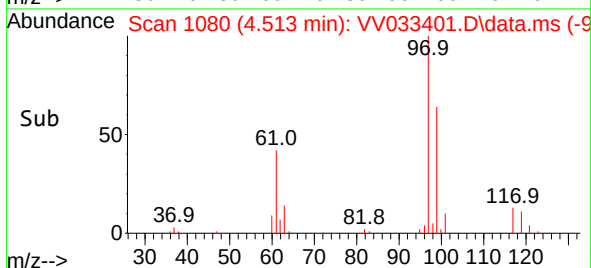
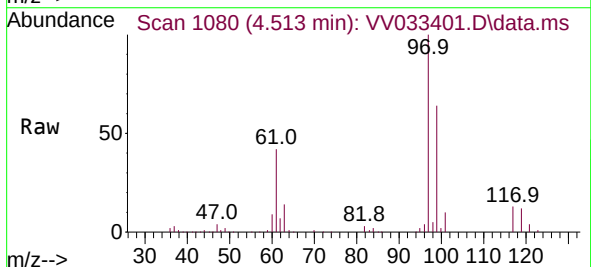


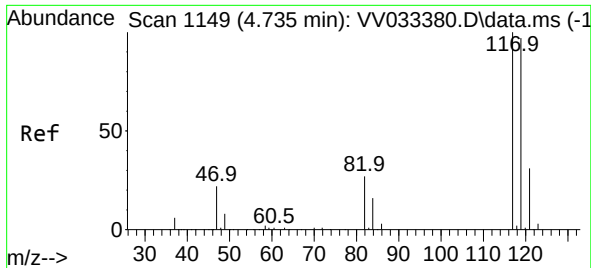
Tgt Ion: 56 Resp: 112134
Ion Ratio Lower Upper
56 100
69 32.1 25.8 38.6
84 93.3 75.2 112.8



#30
1,1,1-Trichloroethane
Concen: 49.083 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

Tgt Ion: 97 Resp: 148902
Ion Ratio Lower Upper
97 100
99 65.7 51.8 77.6
61 42.1 34.8 52.2

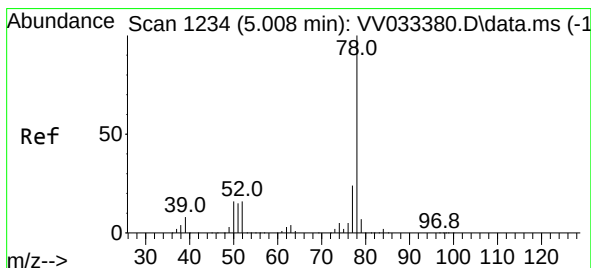
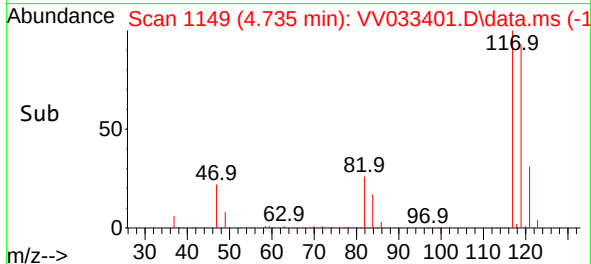
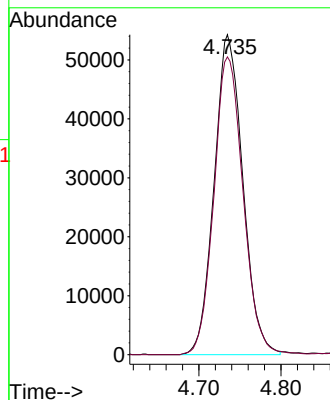
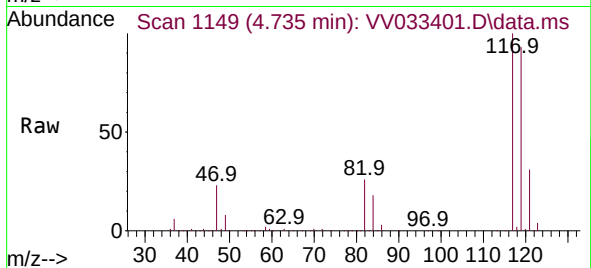




#31
Carbon tetrachloride
Concen: 48.495 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

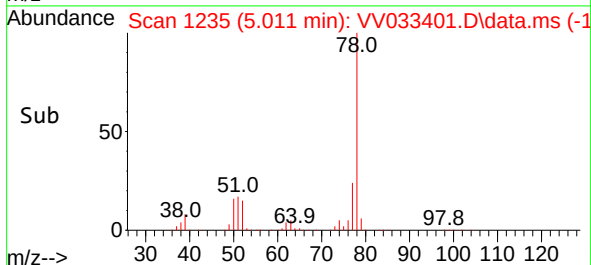
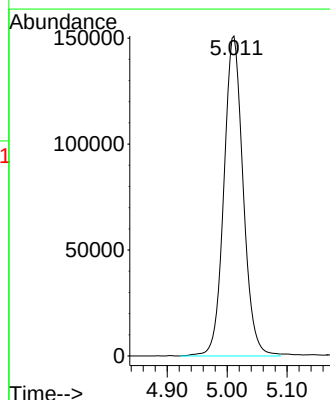
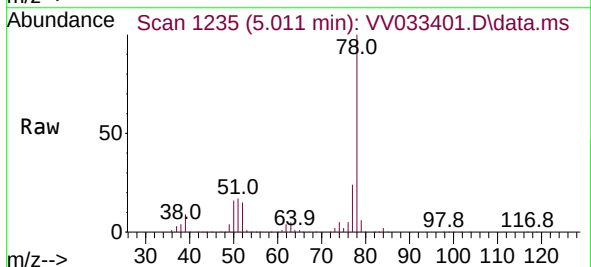
Instrument :
MSVOA_V
ClientSampleId :

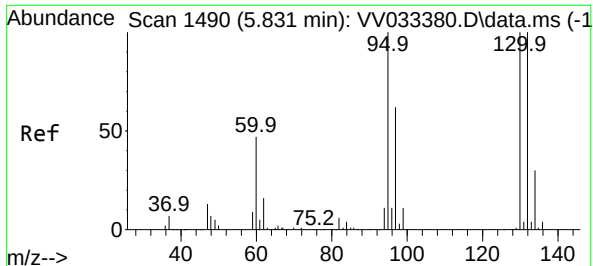
Tgt Ion:117 Resp: 131662
Ion Ratio Lower Upper
117 100
119 94.9 77.8 116.6



#33
Benzene
Concen: 51.411 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

Tgt Ion: 78 Resp: 336695

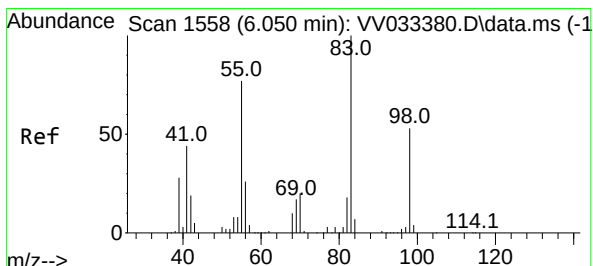
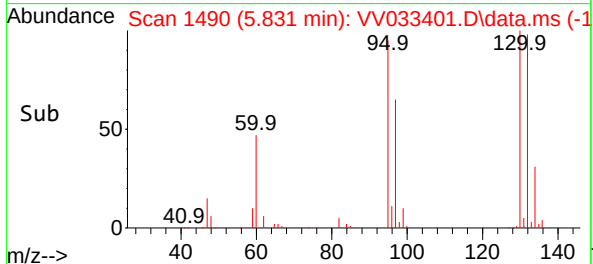
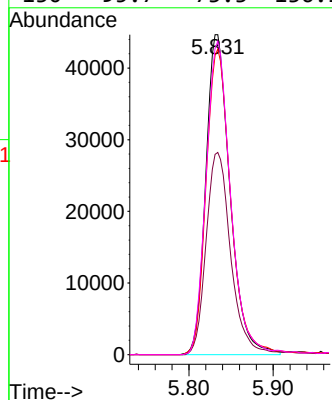
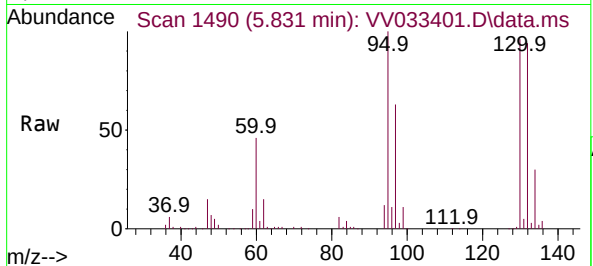




#34
Trichloroethene
Concen: 49.697 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

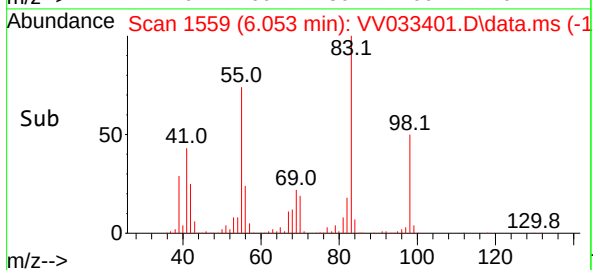
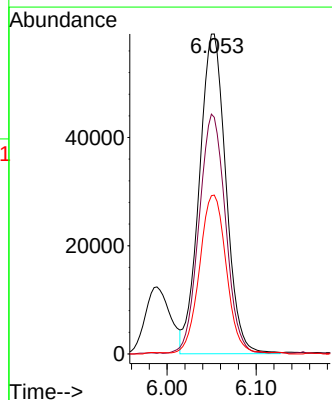
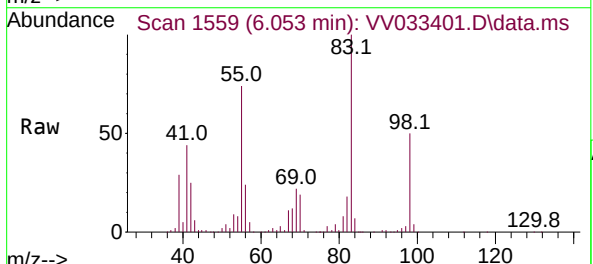
Instrument :
MSVOA_V
ClientSampleId :

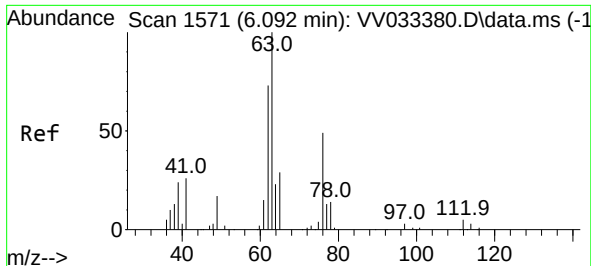
Tgt Ion: 95 Resp: 89291
Ion Ratio Lower Upper
95 100
97 62.6 44.8 83.2
132 93.5 69.9 129.7
130 95.7 73.3 136.1



#35
Methylcyclohexane
Concen: 47.506 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

Tgt Ion: 83 Resp: 122424
Ion Ratio Lower Upper
83 100
55 74.5 58.6 88.0
98 50.1 40.9 61.3





#37

1,2-Dichloropropane

Concen: 48.662 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

Instrument :

MSVOA_V

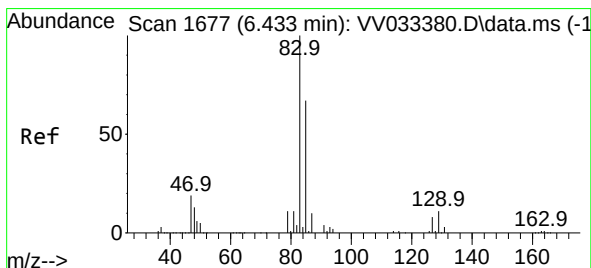
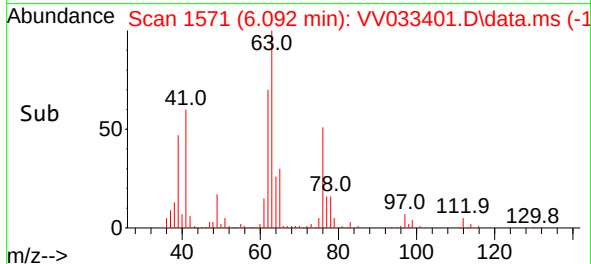
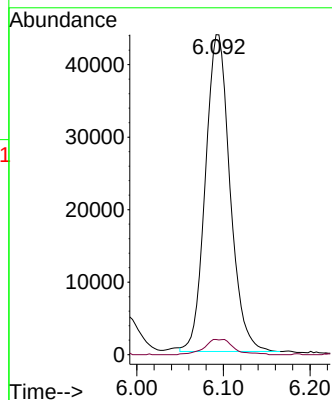
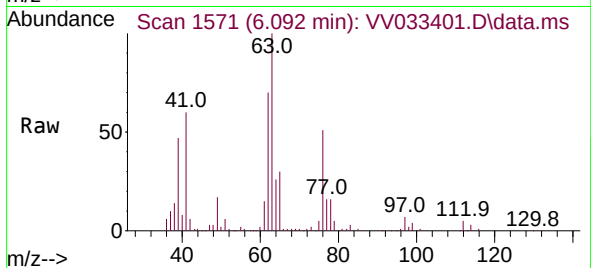
ClientSampleId :

Tgt Ion: 63 Resp: 86428

Ion Ratio Lower Upper

63 100

112 3.0 3.7 5.5#



#38

Bromodichloromethane

Concen: 48.764 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

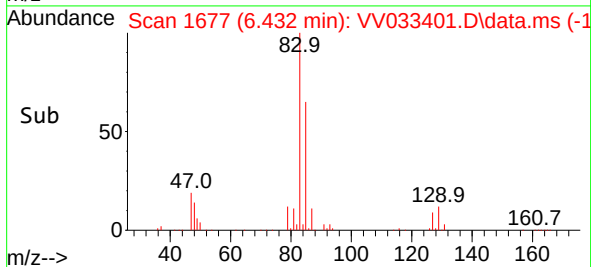
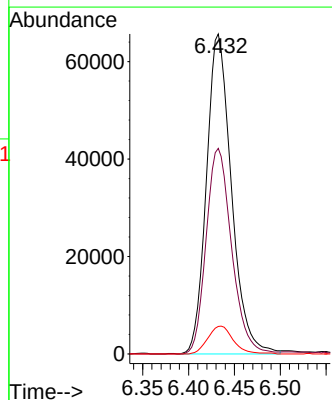
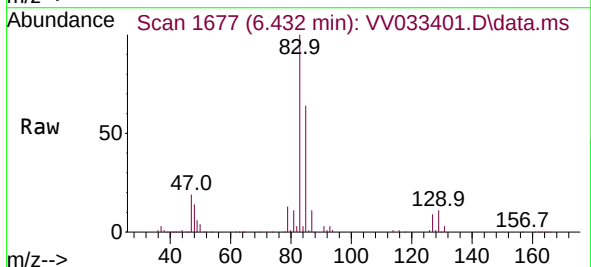
Tgt Ion: 83 Resp: 124653

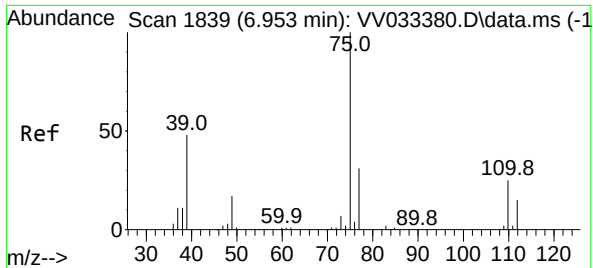
Ion Ratio Lower Upper

83 100

85 64.2 45.2 84.0

127 8.6 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 50.873 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

Instrument :

MSVOA_V

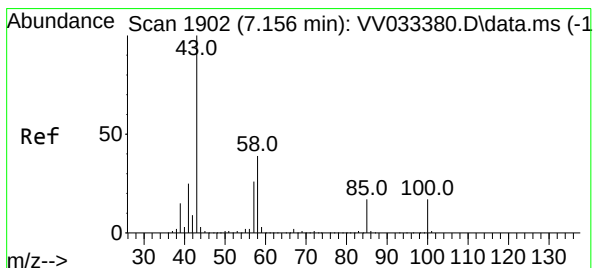
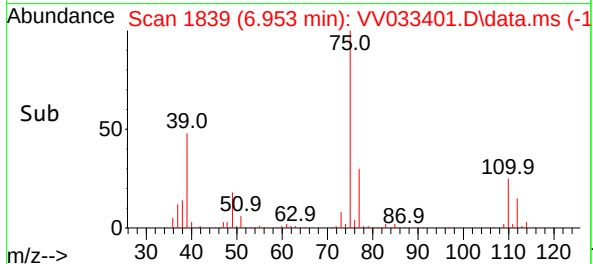
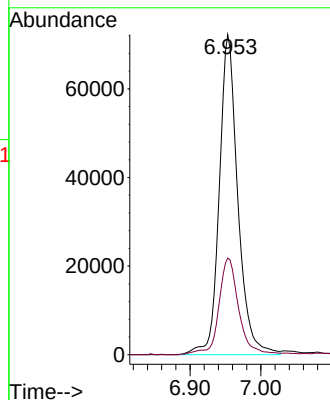
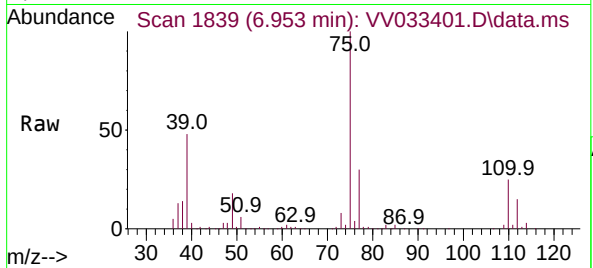
ClientSampleId :

Tgt Ion: 75 Resp: 131447

Ion Ratio Lower Upper

75 100

77 30.2 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 109.684 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

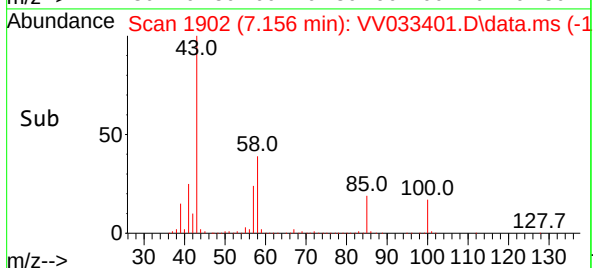
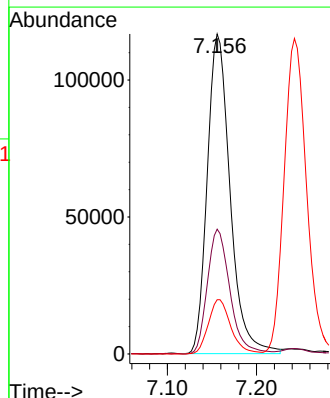
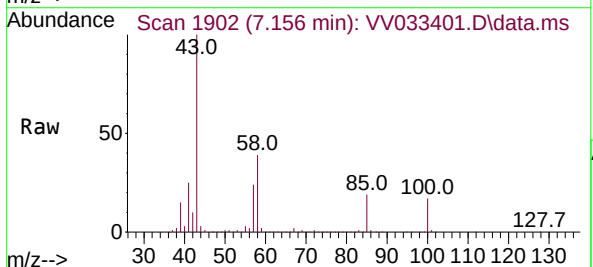
Tgt Ion: 43 Resp: 207890

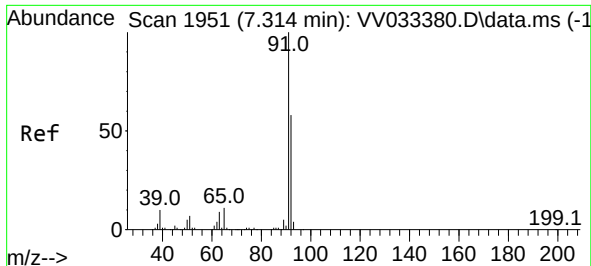
Ion Ratio Lower Upper

43 100

58 38.7 30.7 46.1

100 16.8 13.6 20.4





#42

Toluene

Concen: 52.526 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

Instrument :

MSVOA_V

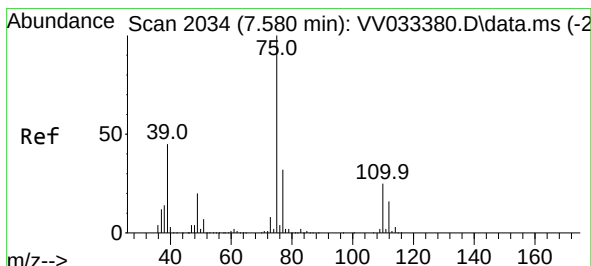
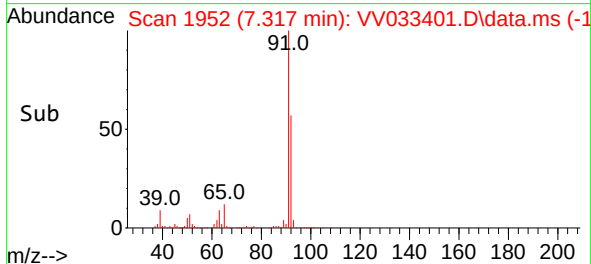
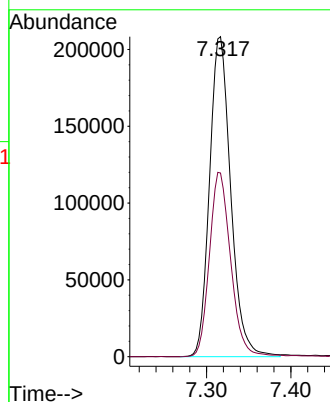
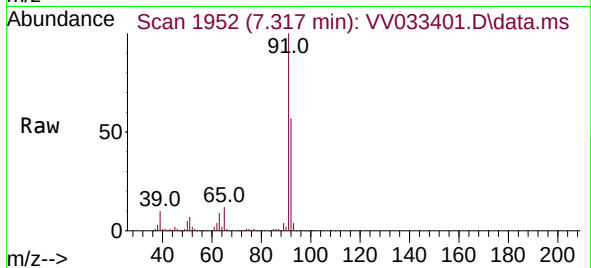
ClientSampleId :

Tgt Ion: 91 Resp: 364601

Ion Ratio Lower Upper

91 100

92 57.4 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 49.996 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV033401.D

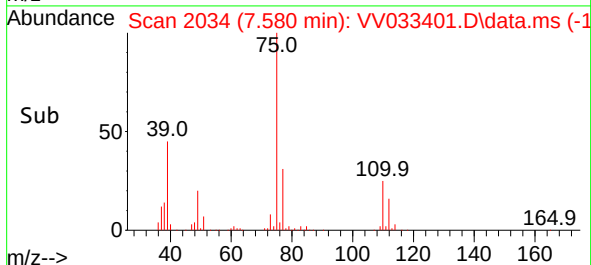
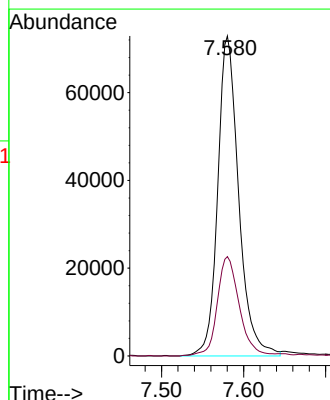
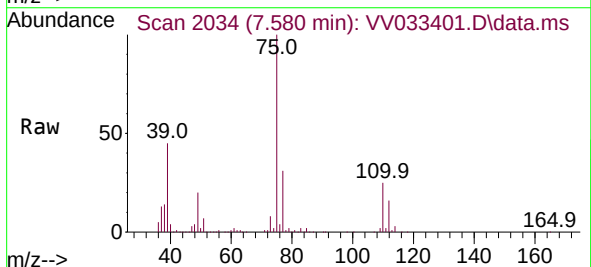
Acq: 16 Dec 2023 00:36

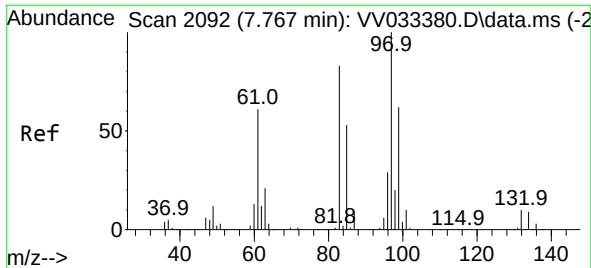
Tgt Ion: 75 Resp: 129630

Ion Ratio Lower Upper

75 100

77 31.0 22.4 41.6

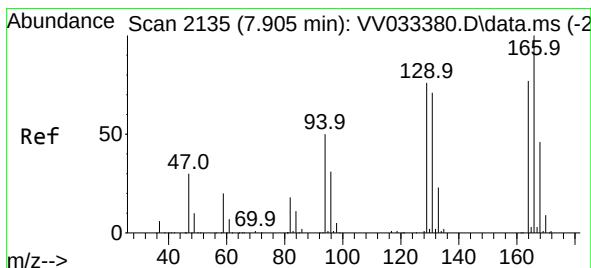
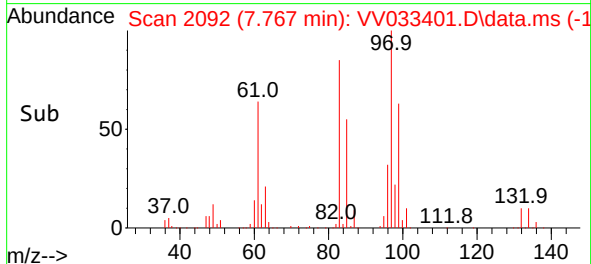
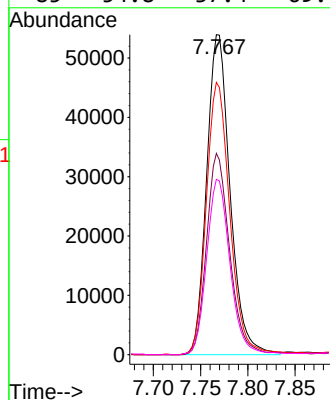
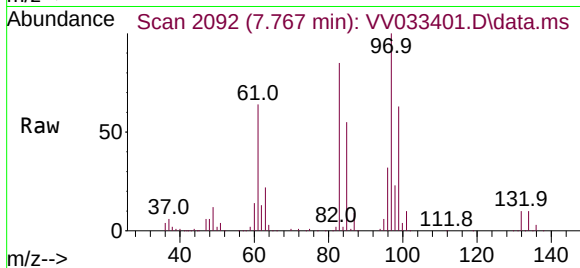




#45
1,1,2-Trichloroethane
Concen: 50.263 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

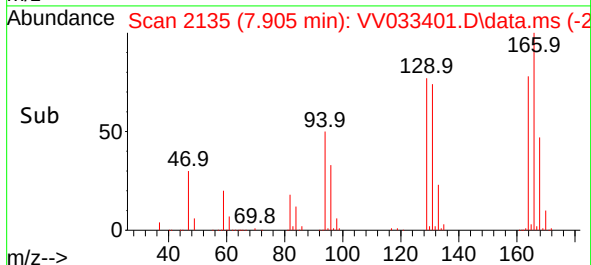
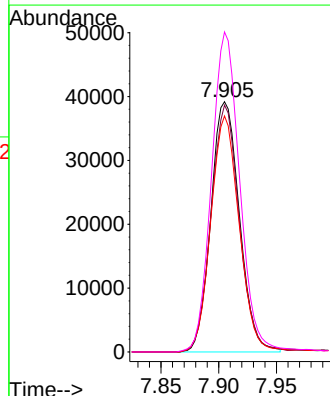
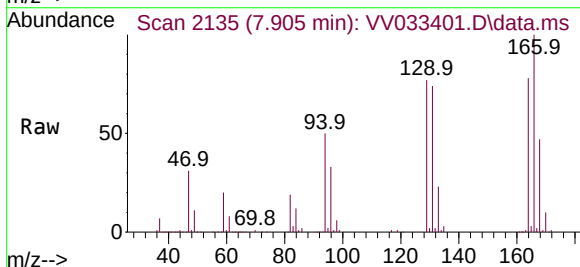
Instrument :
MSVOA_V
ClientSampleId :

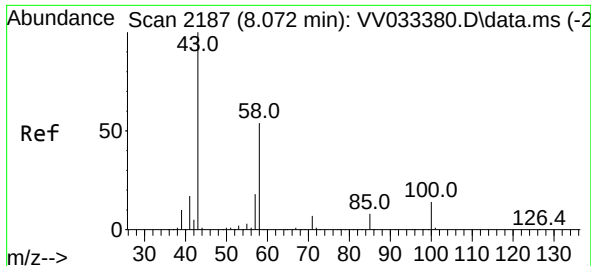
Tgt Ion:	97	Resp:	93046
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.5	80.7
83	85.1	61.0	113.4
85	54.8	37.4	69.4



#46
Tetrachloroethene
Concen: 47.954 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

Tgt Ion:	164	Resp:	67323
Ion	Ratio	Lower	Upper
164	100		
129	98.6	68.9	127.9
131	94.3	65.3	121.3
166	127.8	86.9	161.3

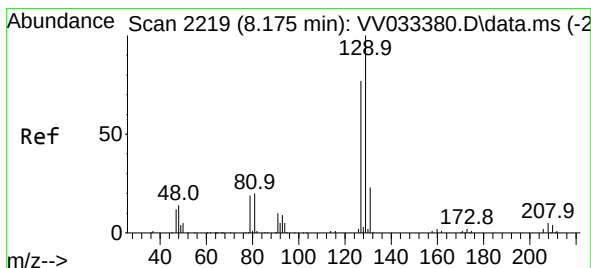
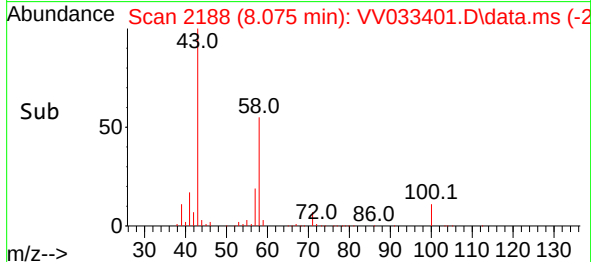
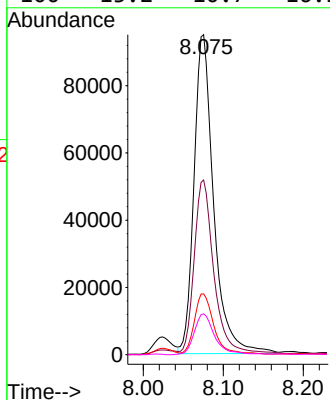
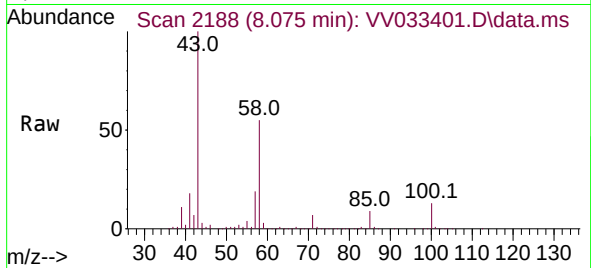




#48
2-Hexanone
Concen: 103.006 ug/L
RT: 8.075 min Scan# 2187
Delta R.T. 0.003 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

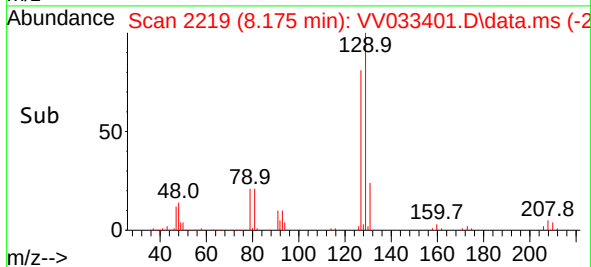
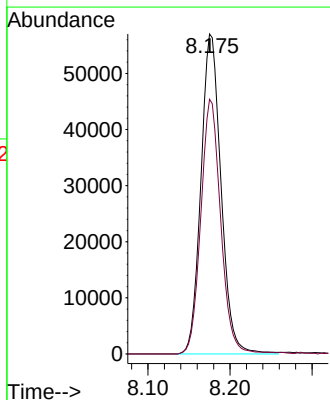
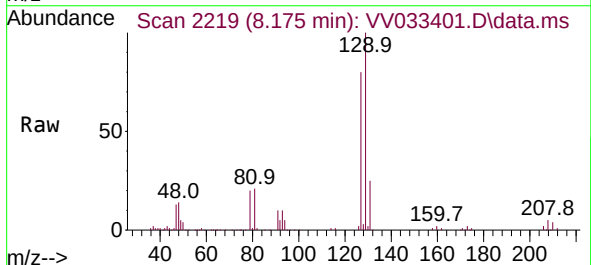
Instrument :
MSVOA_V
ClientSampleId :

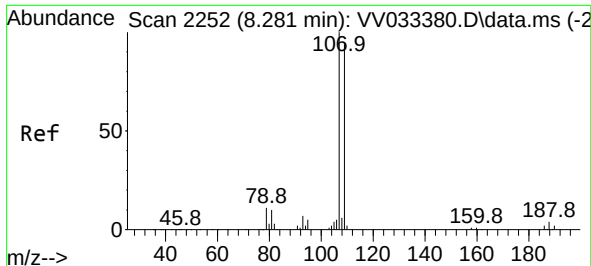
Tgt Ion: 43 Resp: 162835
Ion Ratio Lower Upper
43 100
58 55.4 43.0 64.6
57 17.7 14.7 22.1
100 13.2 10.7 16.1



#49
Dibromochloromethane
Concen: 49.716 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

Tgt Ion: 129 Resp: 97317
Ion Ratio Lower Upper
129 100
127 79.6 53.3 98.9





#50

1,2-Dibromoethane

Concen: 50.377 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033401.D

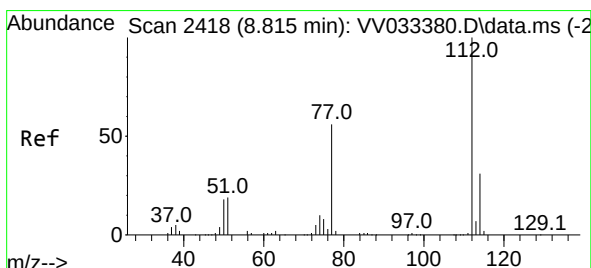
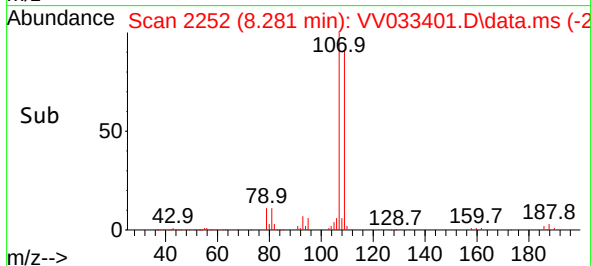
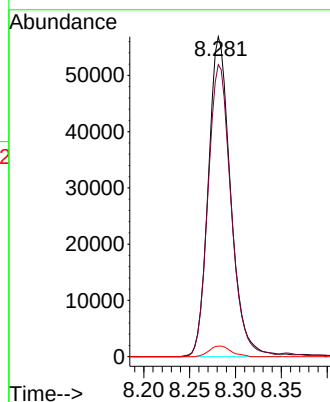
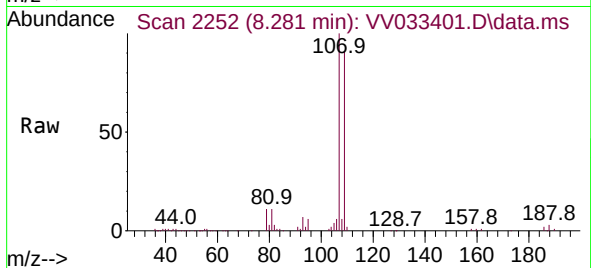
Acq: 16 Dec 2023 00:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	96130
Ion	Ratio	Lower	Upper
107	100		
109	91.2	64.2	119.2
188	3.3	2.9	4.3



#51

Chlorobenzene

Concen: 48.542 ug/L

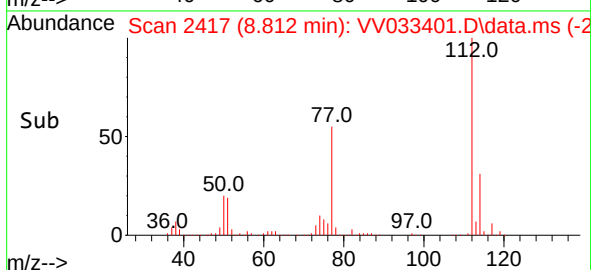
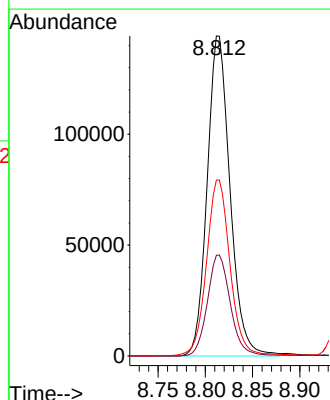
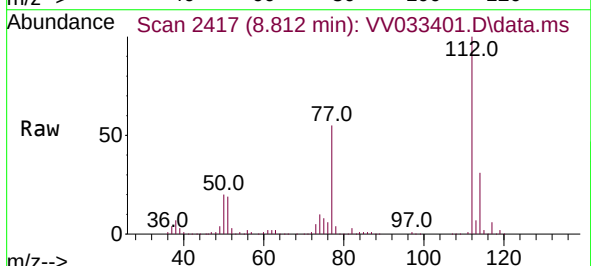
RT: 8.812 min Scan# 2417

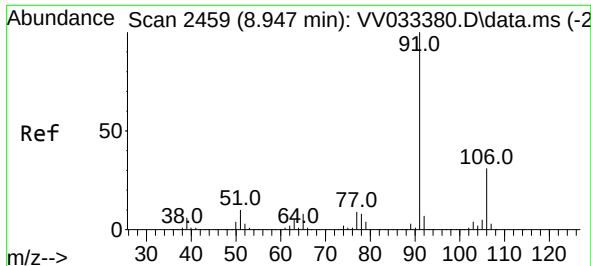
Delta R.T. -0.003 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

Tgt Ion:	112	Resp:	242831
Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.5	41.7
77	54.9	45.2	67.8

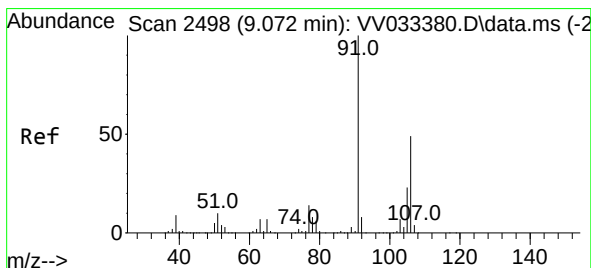
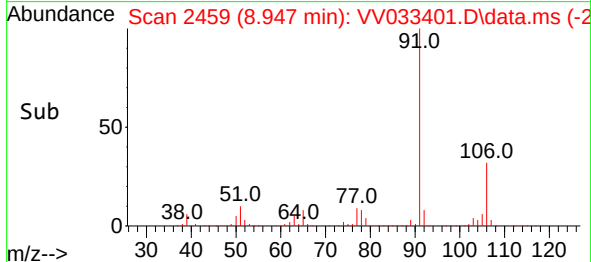
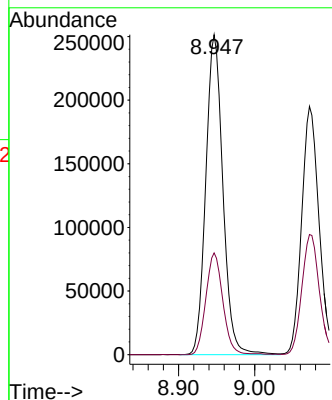
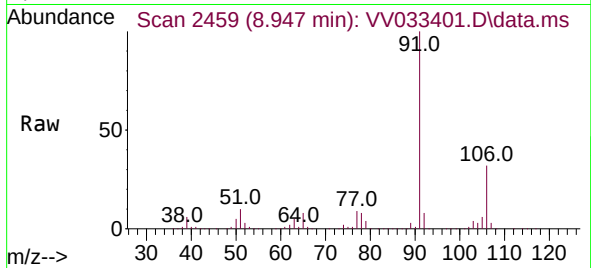




#52
Ethylbenzene
Concen: 50.803 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

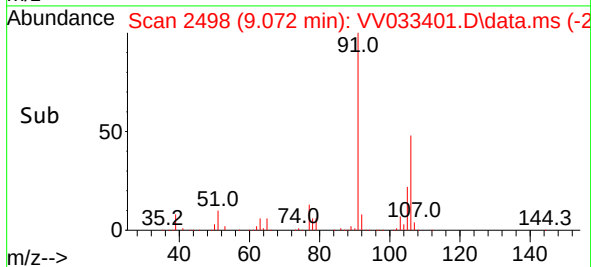
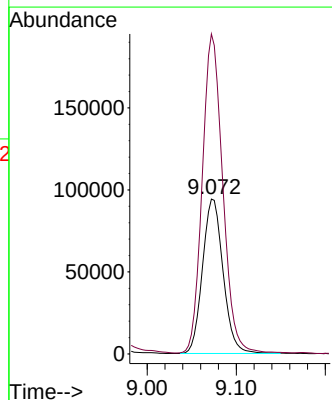
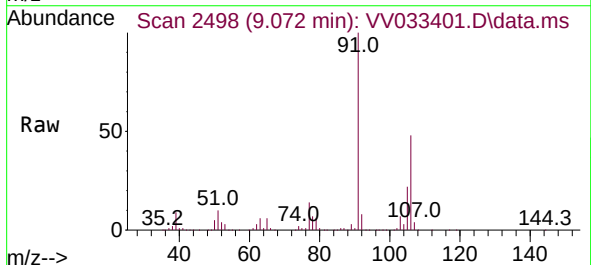
Instrument :
MSVOA_V
ClientSampleId :

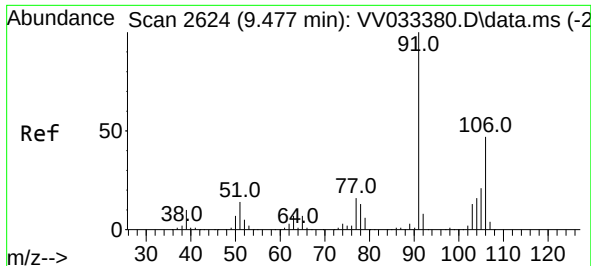
Tgt Ion: 91 Resp: 392726
Ion Ratio Lower Upper
91 100
106 31.8 21.6 40.2



#53
m,p-Xylene
Concen: 52.136 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

Tgt Ion: 106 Resp: 151423
Ion Ratio Lower Upper
106 100
91 206.5 143.0 265.6

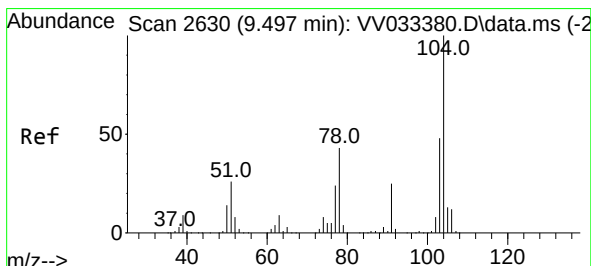
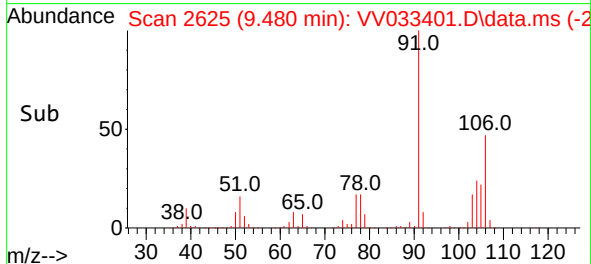
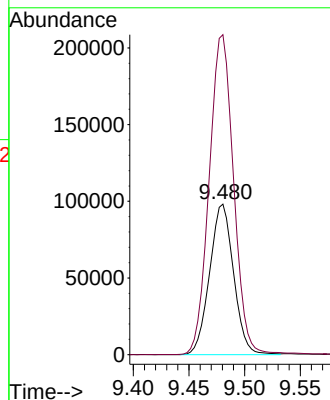
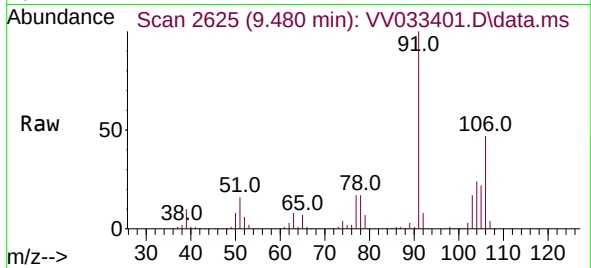




#54
o-Xylene
Concen: 52.234 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

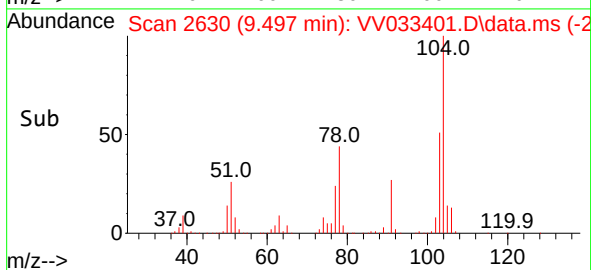
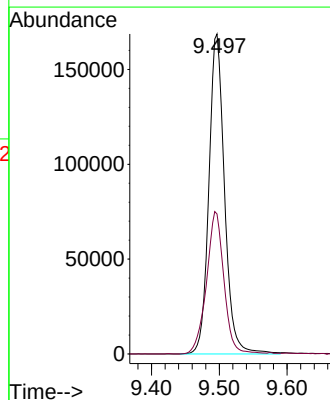
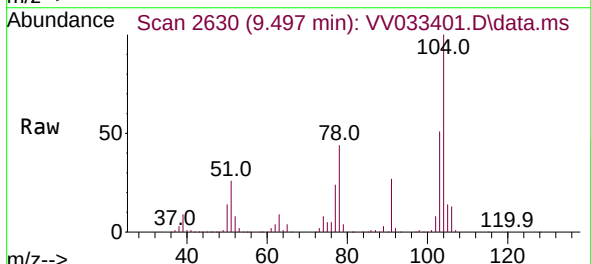
Instrument :
MSVOA_V
ClientSampleId :

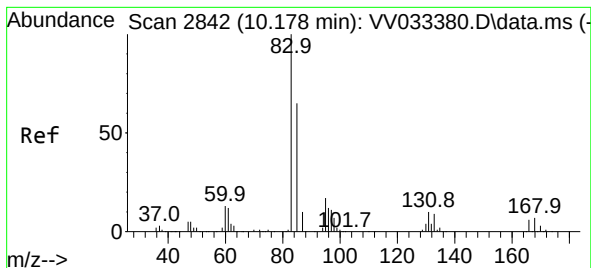
Tgt Ion:106 Resp: 147309
Ion Ratio Lower Upper
106 100
91 212.6 149.7 278.1



#55
Styrene
Concen: 54.472 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

Tgt Ion:104 Resp: 271115
Ion Ratio Lower Upper
104 100
78 43.8 30.2 56.2

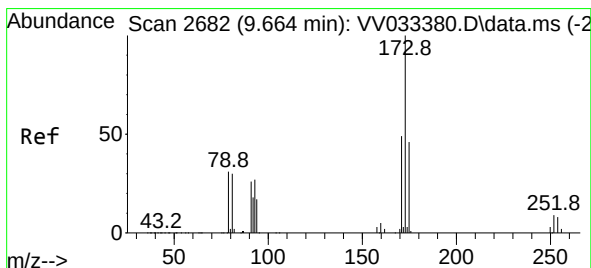
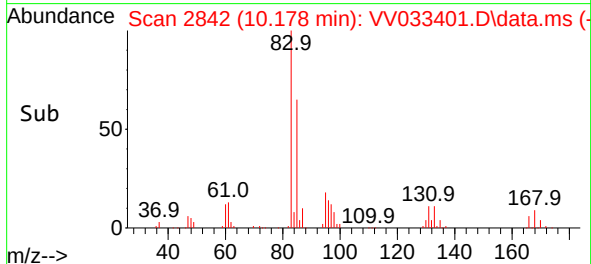
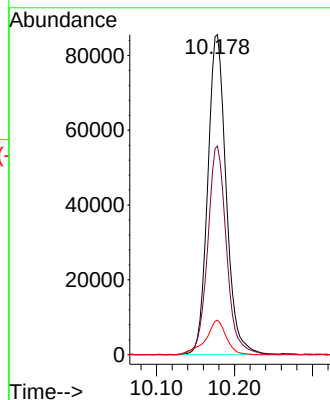
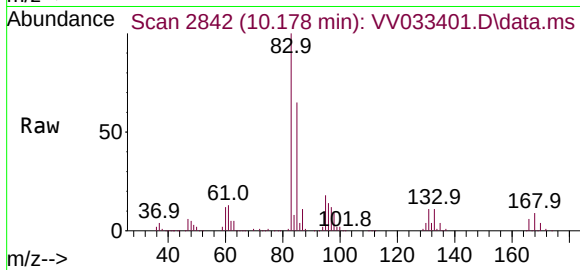




#57
1,1,2,2-Tetrachloroethane
Concen: 49.537 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

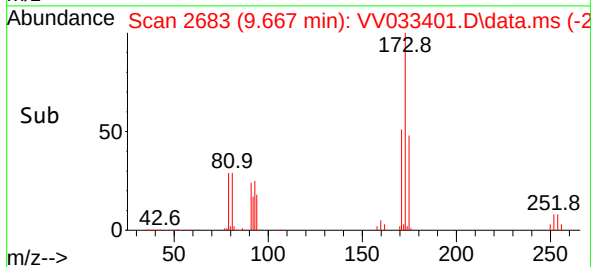
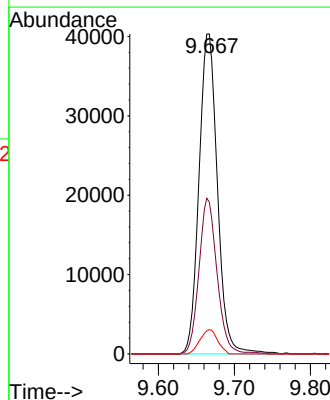
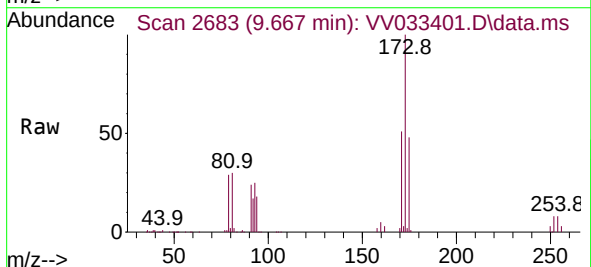
Instrument :
MSVOA_V
ClientSampleId :

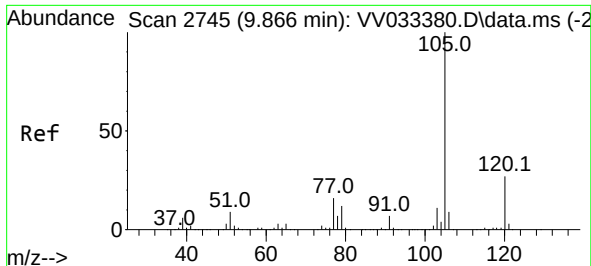
Tgt Ion: 83 Resp: 140839
Ion Ratio Lower Upper
83 100
85 65.2 44.8 83.2
131 10.8 8.6 12.8



#59
Bromoform
Concen: 49.172 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.003 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

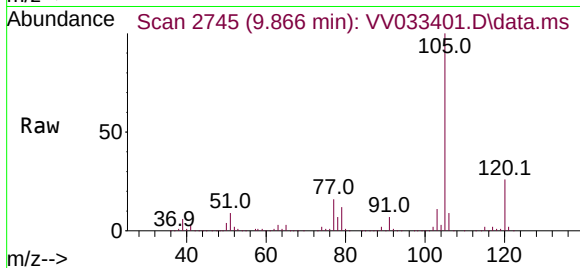
Tgt Ion: 173 Resp: 67685
Ion Ratio Lower Upper
173 100
175 47.4 38.8 58.2
254 7.3 5.8 8.8



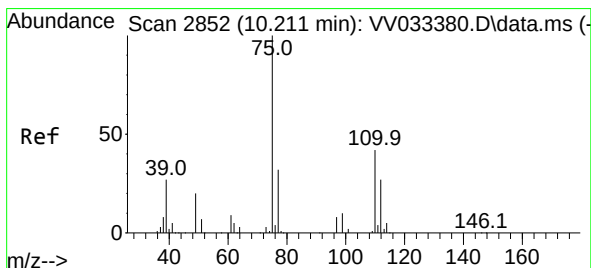
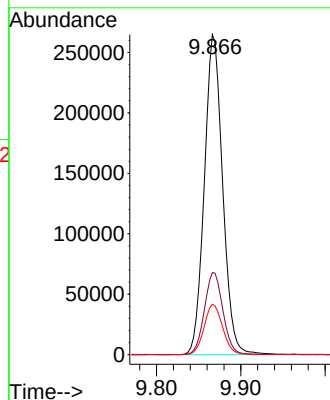
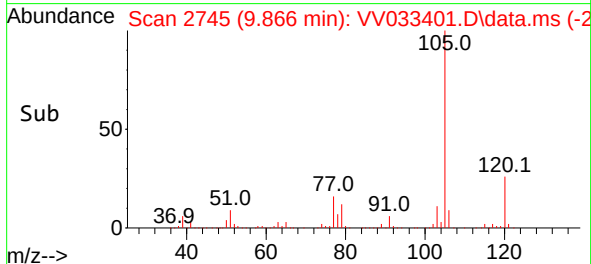


#60
Isopropylbenzene
Concen: 52.992 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36

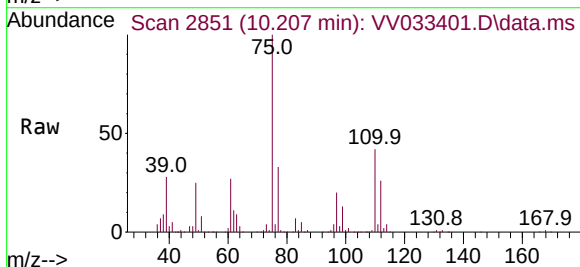
Instrument :
MSVOA_V
ClientSampleId :



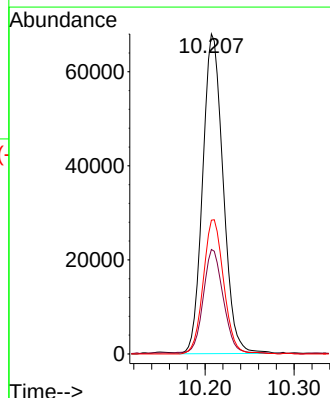
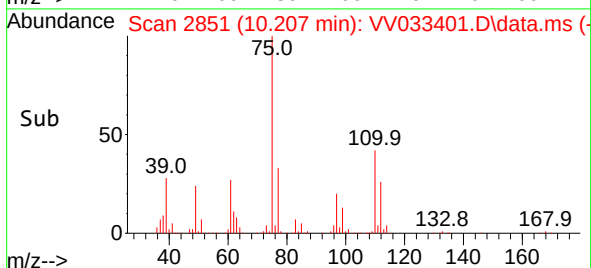
Tgt Ion:105 Resp: 401496
Ion Ratio Lower Upper
105 100
120 25.9 21.2 31.8
77 15.8 12.5 18.7

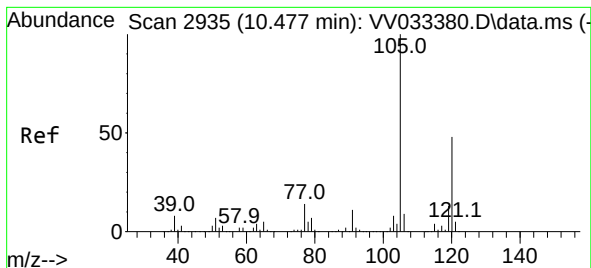


#61
1,2,3-Trichloropropane
Concen: 50.638 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.003 min
Lab File: VV033401.D
Acq: 16 Dec 2023 00:36



Tgt Ion: 75 Resp: 108288
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
110 41.8 33.9 50.9





#62

1,3,5-Trimethylbenzene

Concen: 52.273 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

Instrument :

MSVOA_V

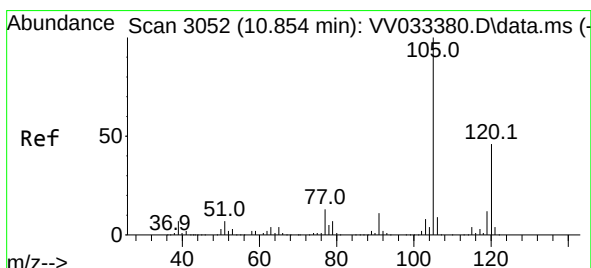
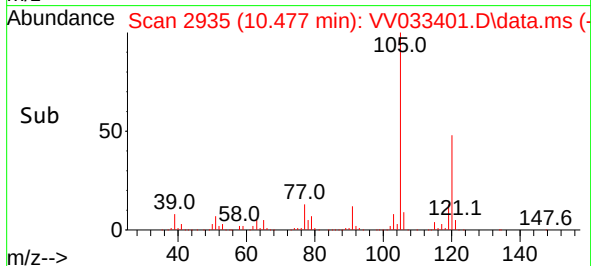
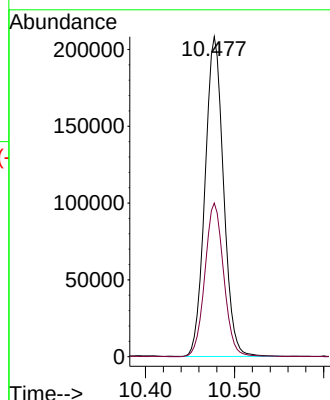
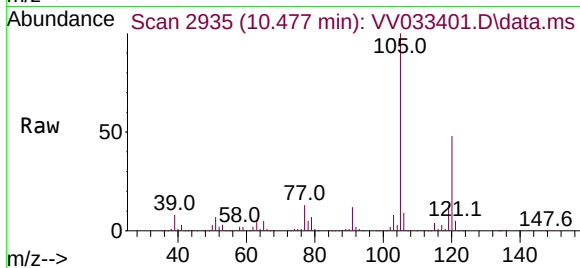
ClientSampleId :

Tgt Ion:105 Resp: 300162

Ion Ratio Lower Upper

105 100

120 48.8 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 53.679 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV033401.D

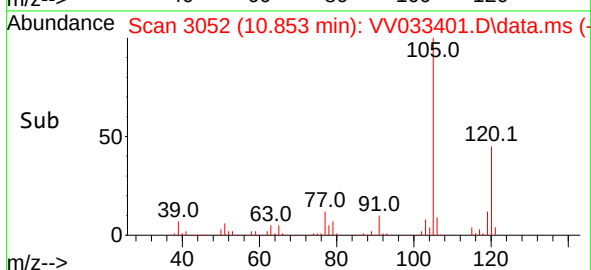
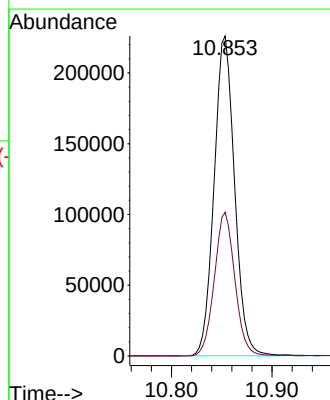
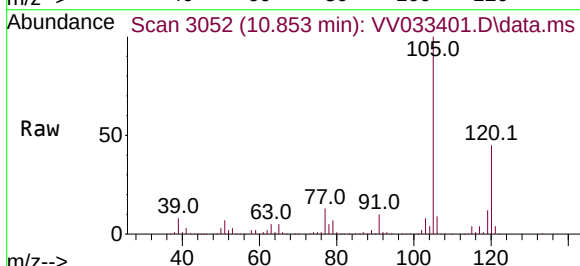
Acq: 16 Dec 2023 00:36

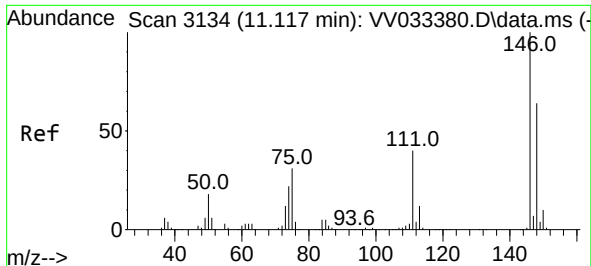
Tgt Ion:105 Resp: 320127

Ion Ratio Lower Upper

105 100

120 45.0 36.2 54.4

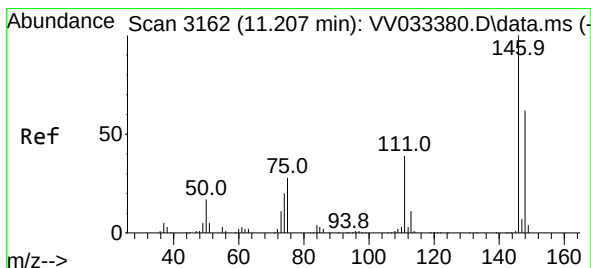
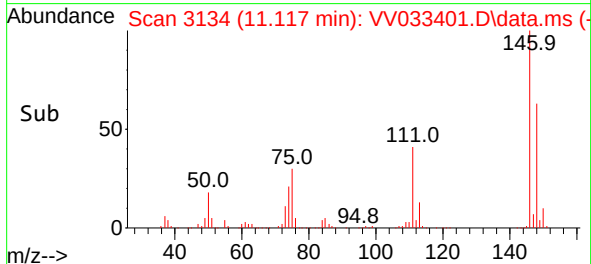
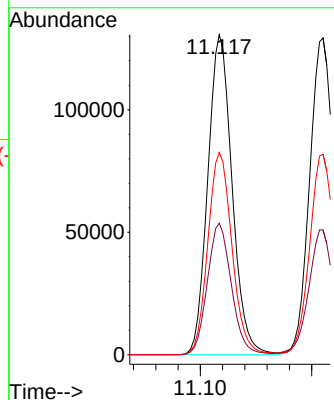
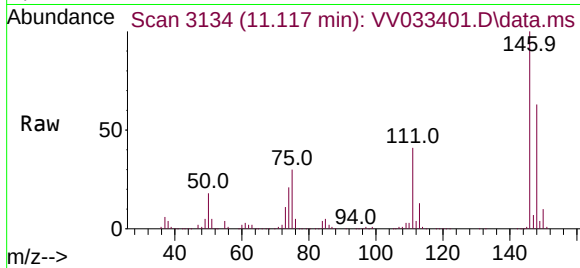




#64
 1,3-Dichlorobenzene
 Concen: 50.183 ug/L
 RT: 11.117 min Scan# 3134
 Delta R.T. -0.000 min
 Lab File: VV033401.D
 Acq: 16 Dec 2023 00:36

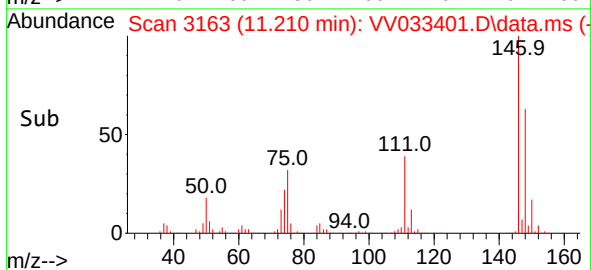
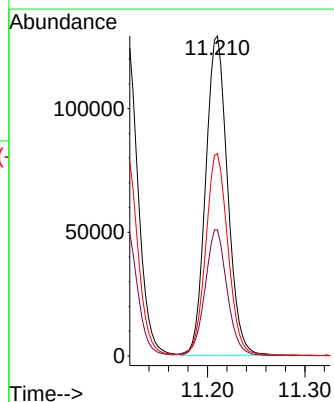
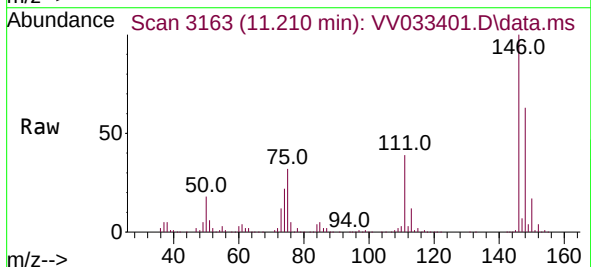
Instrument :
 MSVOA_V
 ClientSampleId :

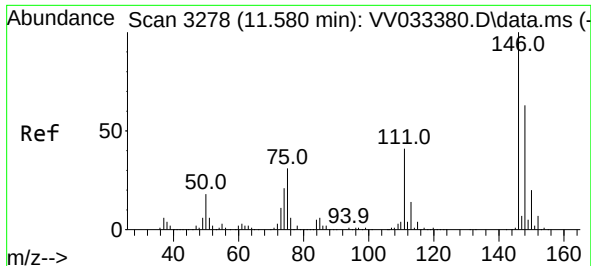
Tgt Ion:146 Resp: 197612
 Ion Ratio Lower Upper
 146 100
 111 41.1 29.3 54.5
 148 63.2 45.4 84.4



#65
 1,4-Dichlorobenzene
 Concen: 47.522 ug/L
 RT: 11.210 min Scan# 3163
 Delta R.T. 0.003 min
 Lab File: VV033401.D
 Acq: 16 Dec 2023 00:36

Tgt Ion:146 Resp: 201406
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.9 51.7
 148 63.3 45.5 84.5





#67

1,2-Dichlorobenzene

Concen: 49.155 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

Instrument :

MSVOA_V

ClientSampleId :

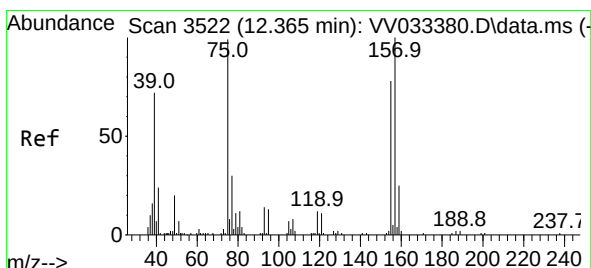
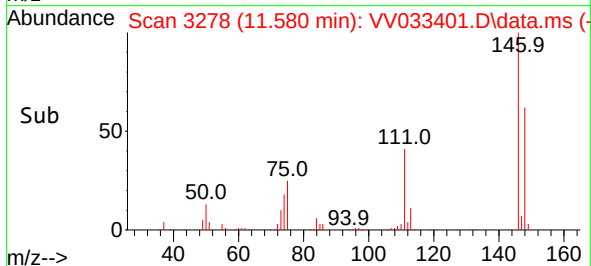
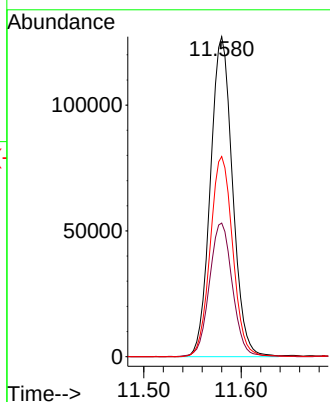
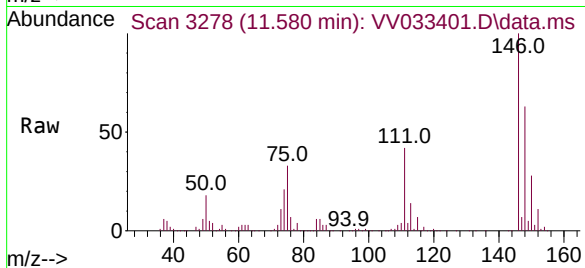
Tgt Ion:146 Resp: 201468

Ion Ratio Lower Upper

146 100

111 41.8 33.5 50.3

148 62.6 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 49.951 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

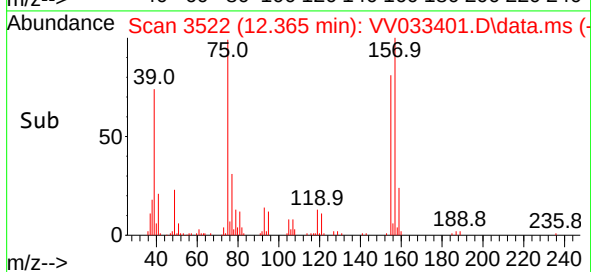
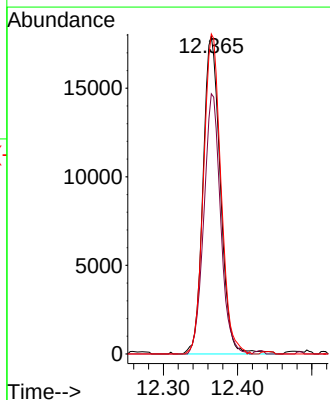
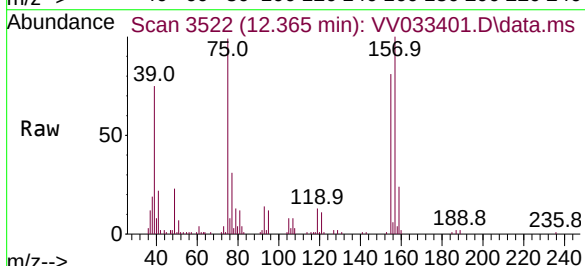
Tgt Ion: 75 Resp: 28936

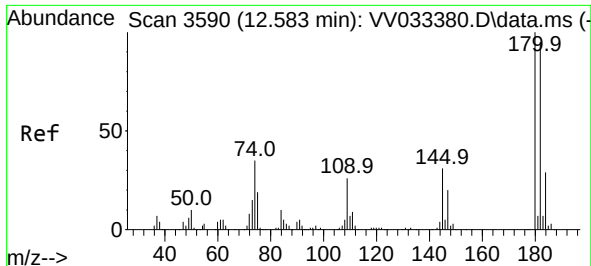
Ion Ratio Lower Upper

75 100

155 81.9 69.4 104.0

157 100.8 81.1 121.7





#69

1,3,5-Trichlorobenzene

Concen: 47.869 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

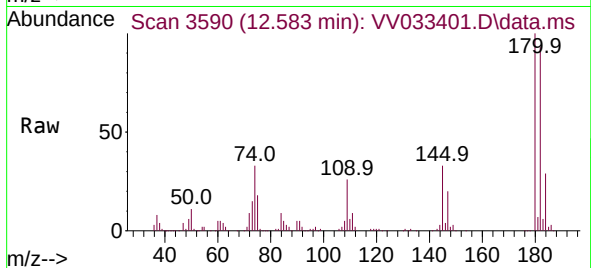
Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 130360

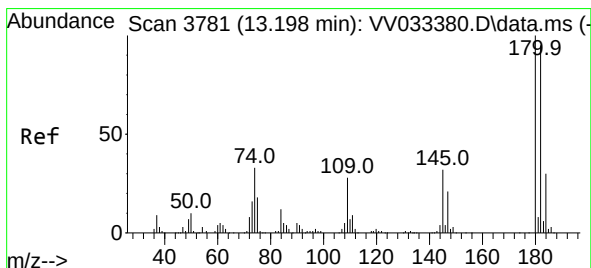
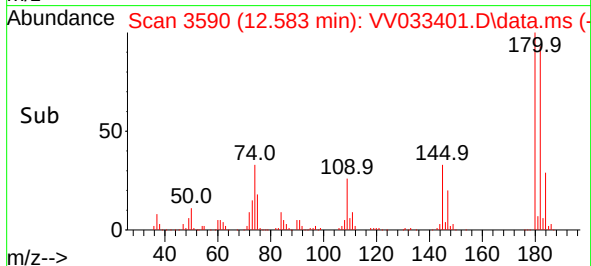
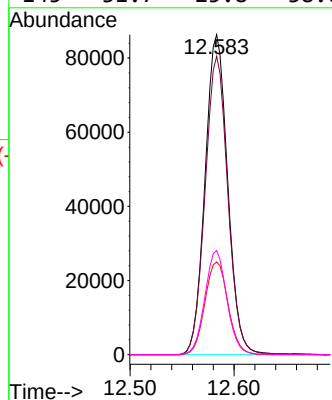
Ion Ratio Lower Upper

180 100

182 93.8 76.2 114.4

184 29.7 24.4 36.6

145 31.7 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 48.014 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

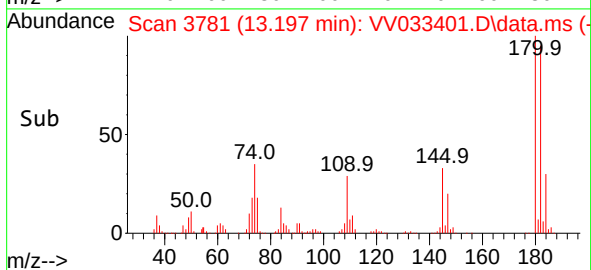
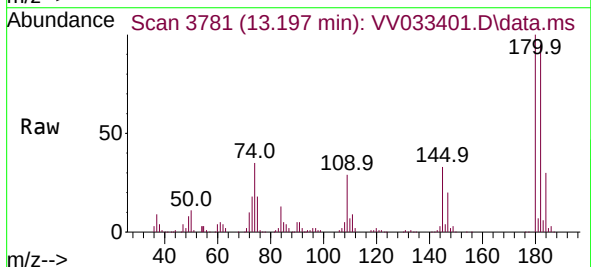
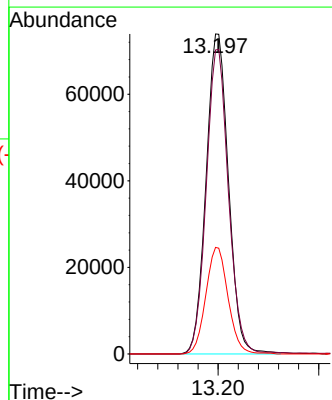
Tgt Ion:180 Resp: 114299

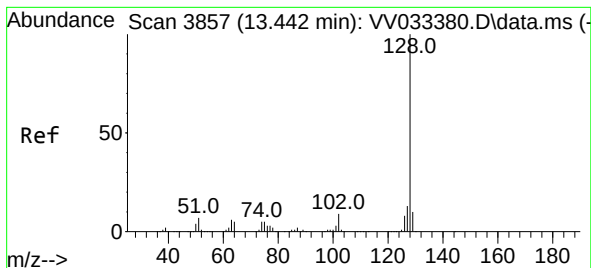
Ion Ratio Lower Upper

180 100

182 94.2 76.1 114.1

145 33.1 25.6 38.4





#71

Naphthalene

Concen: 51.873 ug/L

RT: 13.438 min Scan# 3856

Delta R.T. -0.003 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

Instrument :

MSVOA_V

ClientSampleId :

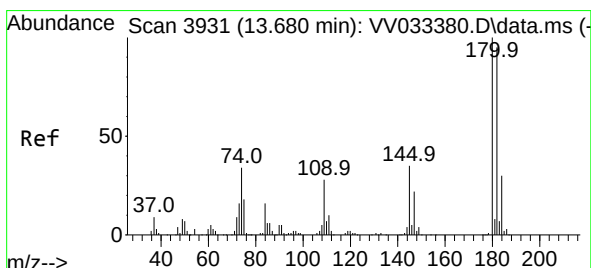
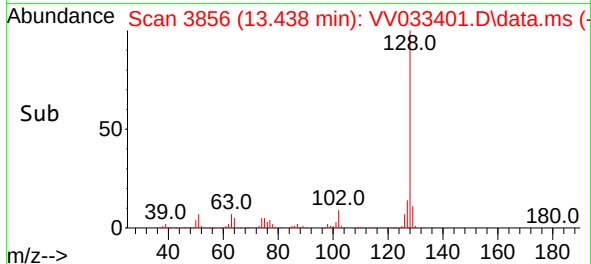
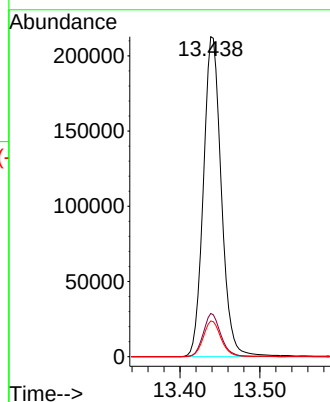
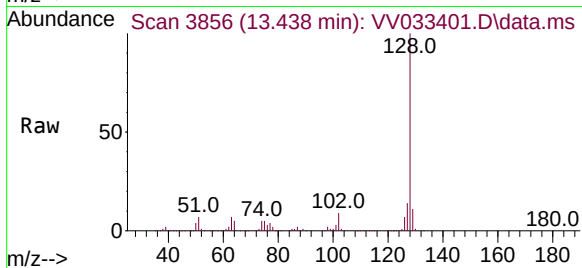
Tgt Ion:128 Resp: 332241

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 52.194 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033401.D

Acq: 16 Dec 2023 00:36

Tgt Ion:180 Resp: 121532

Ion Ratio Lower Upper

180 100

182 97.5 76.2 114.2

145 34.6 27.1 40.7

