

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VV033402.D
 Acq On : 16 Dec 2023 00:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 01:32:16 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	5.532	114	241128	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	245461	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	133449	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	91650	49.356	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.720%
7) Chloroethane-d5	1.529	69	79974	47.992	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.980%
11) 1,1-Dichloroethene-d2	2.060	65	43770	47.352	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.700%
21) 2-Butanone-d5	3.783	46	95341	101.875	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.880%
24) Chloroform-d	4.249	84	179032	48.741	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.480%
26) 1,2-Dichloroethane-d4	4.941	65	110830	49.117	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.240%
32) Benzene-d6	4.960	84	327267	49.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	5.989	67	95509	47.601	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.200%
41) Toluene-d8	7.243	98	308365	50.976	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.960%
43) trans-1,3-Dichloroprop...	7.551	79	47925	48.737	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.480%
47) 2-Hexanone-d5	8.024	63	70371	104.274	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.270%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	139136	48.248	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.500%
66) 1,2-Dichlorobenzene-d4	11.561	152	121586	48.485	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	94803	47.855	ug/L	99
3) Chloromethane	1.214	50	87282	47.857	ug/L	99
5) Vinyl chloride	1.282	62	94685	48.428	ug/L	100
6) Bromomethane	1.484	94	63507	45.376	ug/L	96
8) Chloroethane	1.545	64	64497	48.864	ug/L	100
9) Trichlorofluoromethane	1.712	101	161454	47.092	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	94205	47.098	ug/L	98
12) 1,1-Dichloroethene	2.069	96	79624	46.860	ug/L	96
13) Acetone	2.111	43	91320	84.064	ug/L	100
14) Carbon disulfide	2.240	76	205400	47.303	ug/L	99
15) Methyl Acetate	2.372	43	78827	50.809	ug/L	98
16) Methylene chloride	2.445	84	88279	46.517	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	78602	48.940	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	245948	50.426	ug/L	99
19) 1,1-Dichloroethane	3.111	63	150678	48.949	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	88240	48.456	ug/L	100
22) 2-Butanone	3.863	43	100526	93.927	ug/L	100
23) Bromochloromethane	4.146	128	47573	47.661	ug/L	94
25) Chloroform	4.275	83	166245	47.990	ug/L	99

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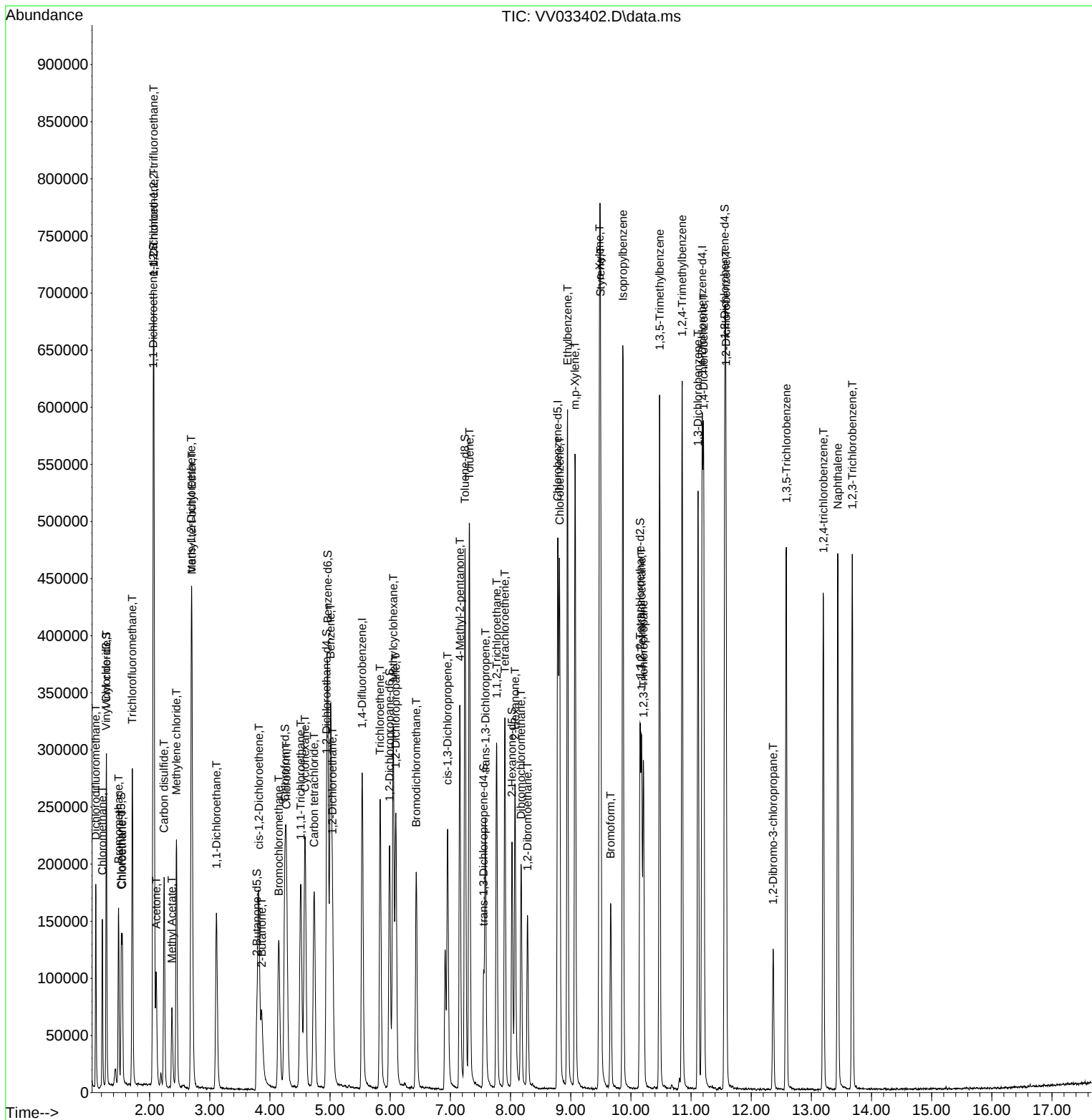
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 ClientSampleId :

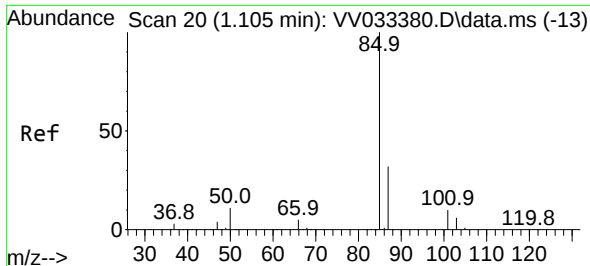
Quant Time: Dec 16 01:32:16 2023
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 23:24:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	128290	48.044	ug/L	99
29) Cyclohexane	4.584	56	112118	50.679	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	147994	48.833	ug/L	99
31) Carbon tetrachloride	4.735	117	131117	48.343	ug/L	99
33) Benzene	5.008	78	332418	50.809	ug/L	100
34) Trichloroethene	5.831	95	89979	50.130	ug/L	97
35) Methylcyclohexane	6.050	83	124716	48.444	ug/L	98
37) 1,2-Dichloropropane	6.092	63	86500	48.752	ug/L	98
38) Bromodichloromethane	6.432	83	124999	48.949	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	128838	49.914	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	212258	112.102	ug/L	99
42) Toluene	7.317	91	359572	51.853	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	130111	50.233	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	91524	49.491	ug/L	98
46) Tetrachloroethene	7.905	164	67437	48.083	ug/L	99
48) 2-Hexanone	8.075	43	160341	101.530	ug/L	99
49) Dibromochloromethane	8.175	129	97564	49.893	ug/L	99
50) 1,2-Dibromoethane	8.281	107	94800	49.730	ug/L	97
51) Chlorobenzene	8.815	112	238441	47.713	ug/L	99
52) Ethylbenzene	8.947	91	392153	50.780	ug/L	100
53) m,p-Xylene	9.072	106	150678	51.932	ug/L	99
54) o-Xylene	9.477	106	143112	50.797	ug/L	96
55) Styrene	9.497	104	266849	53.669	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	138493	48.761	ug/L	99
59) Bromoform	9.664	173	66418	48.241	ug/L	99
60) Isopropylbenzene	9.866	105	396317	52.298	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	107708	50.356	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	298821	52.029	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	322039	53.988	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	196157	49.803	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	204298	48.195	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	199246	48.603	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	28289	48.824	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	132343	48.587	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	120567	50.637	ug/L	100
71) Naphthalene	13.439	128	350256	54.675	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	126815	54.452	ug/L	100

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

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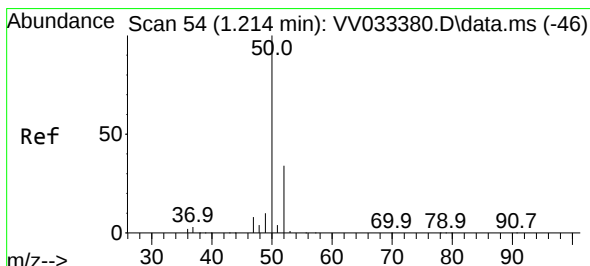
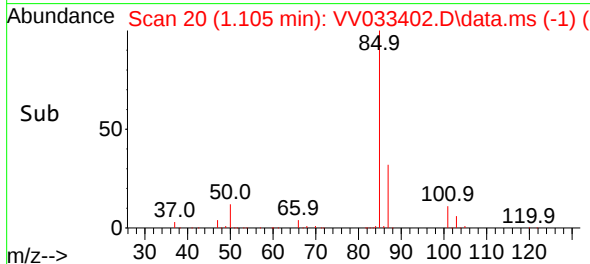
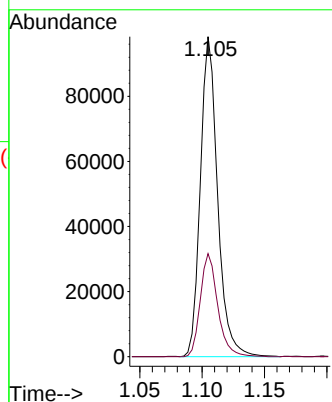
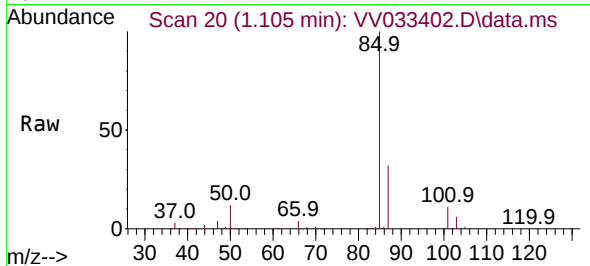




#2
 Dichlorodifluoromethane
 Concen: 47.855 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033402.D
 Acq: 16 Dec 2023 00:59

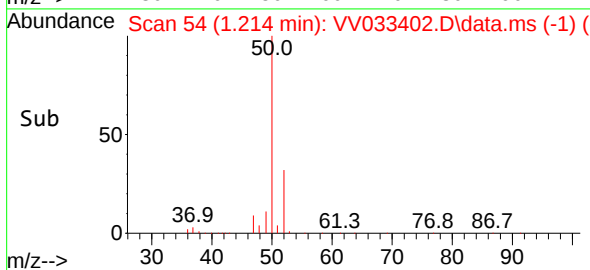
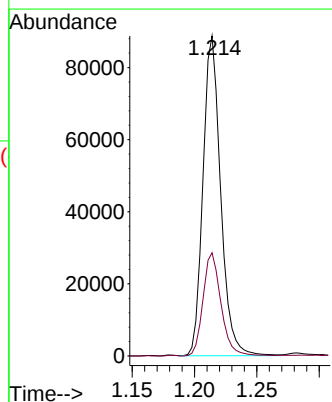
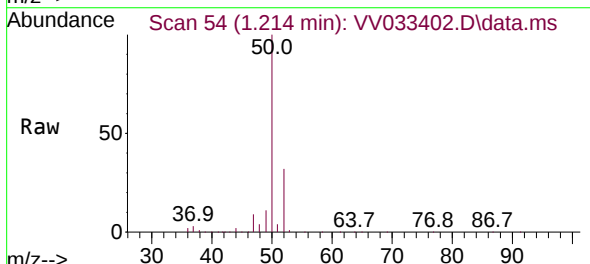
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 MSVOA_V
 ClientSampleId :

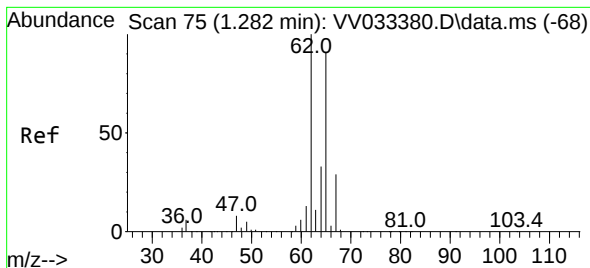
Tgt Ion: 85 Resp: 94803
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.6 39.8



#3
 Chloromethane
 Concen: 47.857 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033402.D
 Acq: 16 Dec 2023 00:59

Tgt Ion: 50 Resp: 87282
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.3 41.5





#5

Vinyl chloride

Concen: 48.428 ug/L

RT: 1.282 min Scan# 75

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

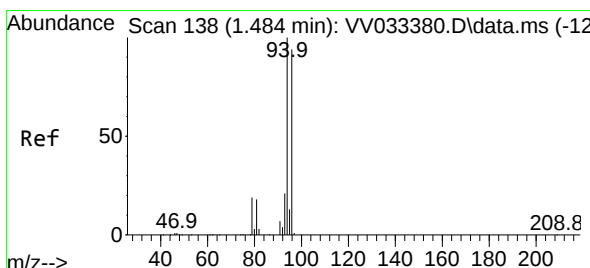
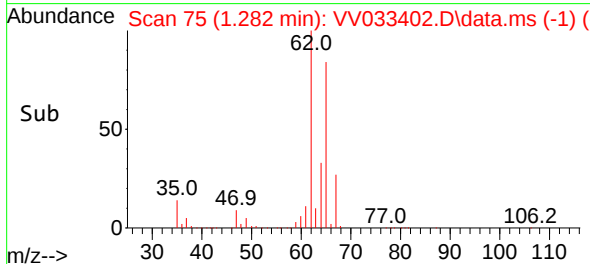
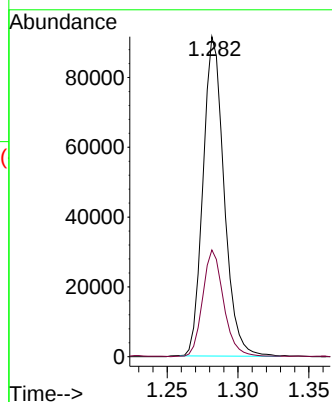
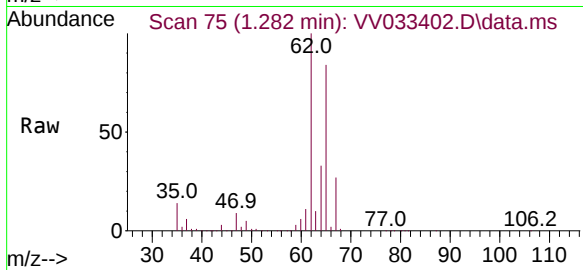
ClientSampleId :

Tgt Ion: 62 Resp: 94685

Ion Ratio Lower Upper

62 100

64 33.4 23.4 43.6



#6

Bromomethane

Concen: 45.376 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.000 min

Lab File: VV033402.D

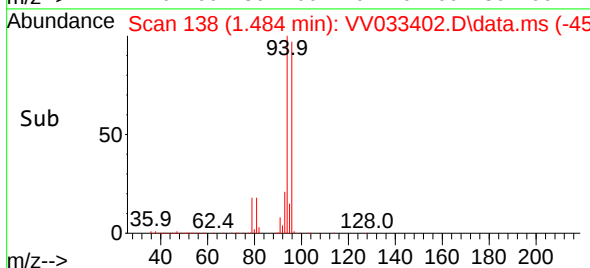
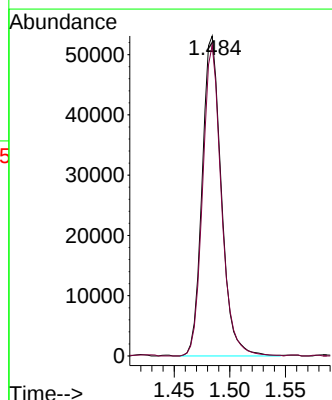
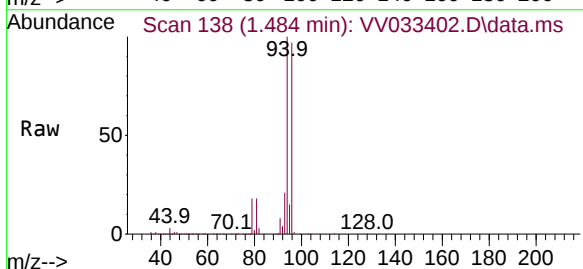
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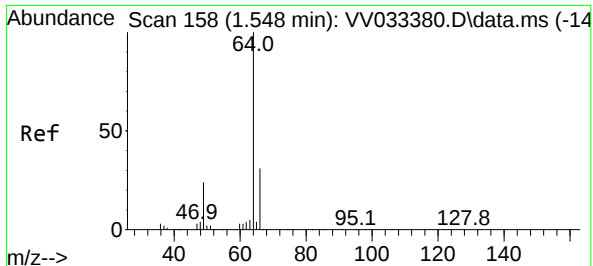
Tgt Ion: 94 Resp: 63507

Ion Ratio Lower Upper

94 100

96 97.1 65.1 120.9

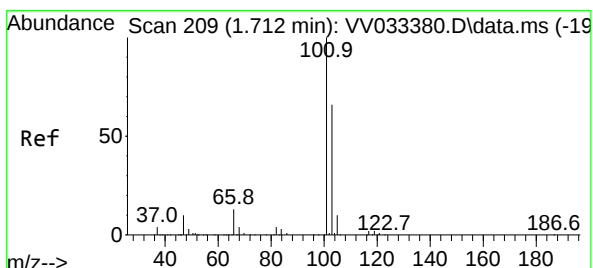
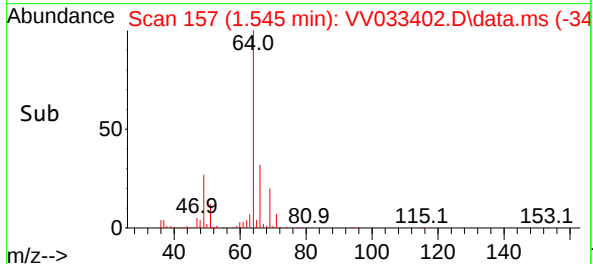
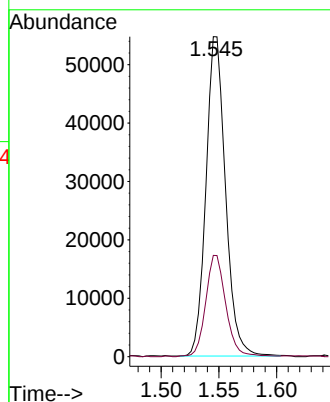
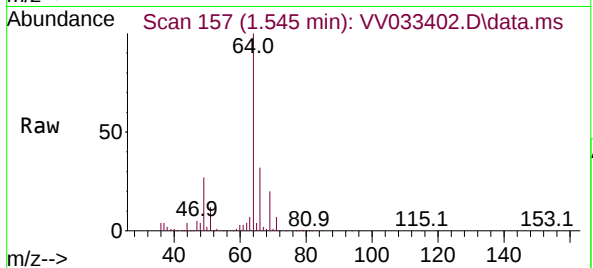




#8
Chloroethane
Concen: 48.864 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

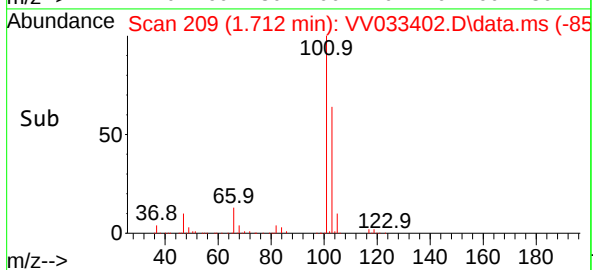
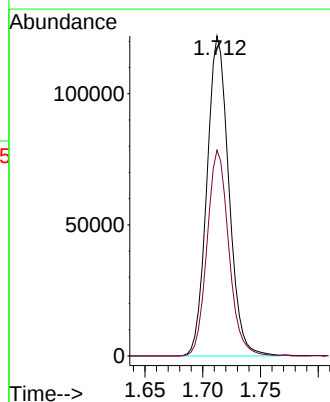
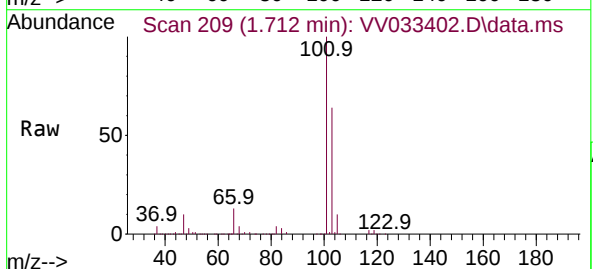
Instrument :
MSVOA_V
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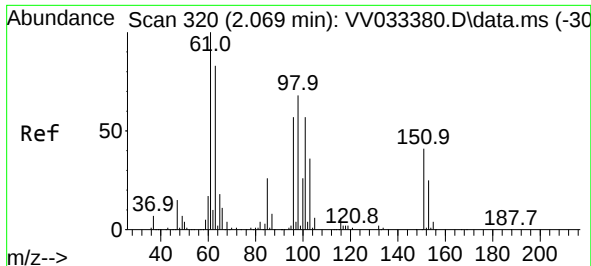
Tgt Ion: 64 Resp: 64497
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 47.092 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

Tgt Ion:101 Resp: 161454
Ion Ratio Lower Upper
101 100
103 63.8 52.2 78.4

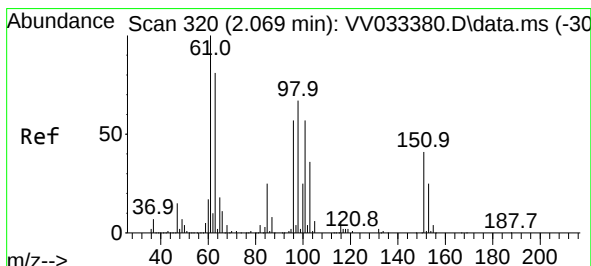
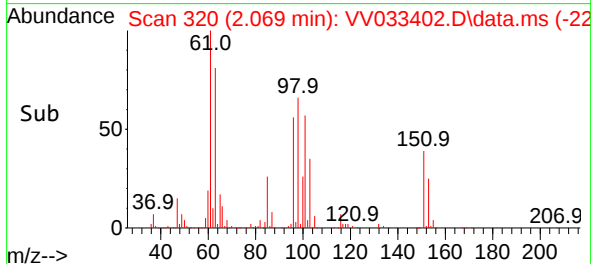
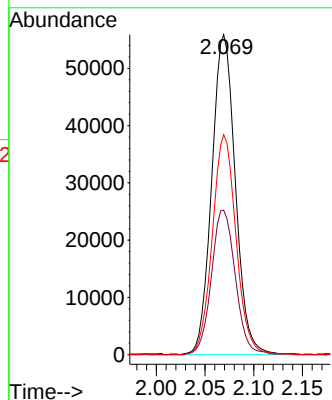
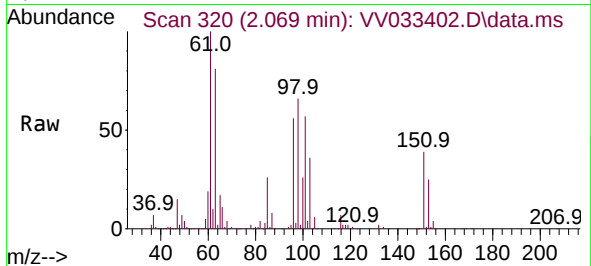




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.098 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033402.D
 Acq: 16 Dec 2023 00:59

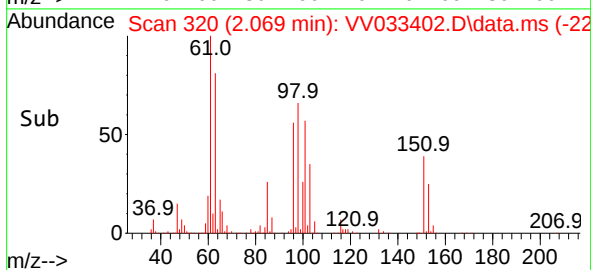
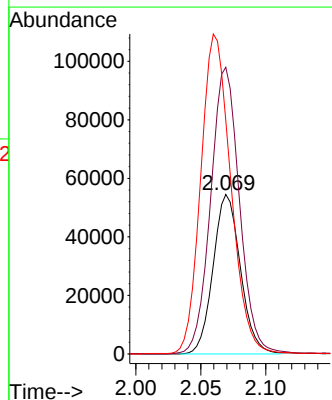
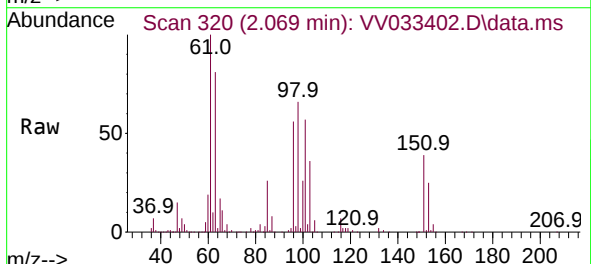
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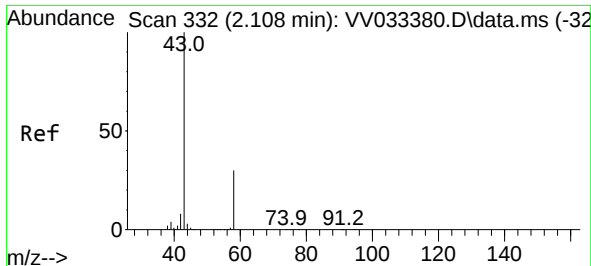
Tgt Ion:101 Resp: 94205
 Ion Ratio Lower Upper
 101 100
 85 45.7 36.6 54.8
 151 69.0 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 46.860 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033402.D
 Acq: 16 Dec 2023 00:59

Tgt Ion: 96 Resp: 79624
 Ion Ratio Lower Upper
 96 100
 61 179.8 124.3 230.8
 63 146.3 108.1 200.7





#13

Acetone

Concen: 84.064 ug/L

RT: 2.111 min Scan# 311

Delta R.T. 0.003 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

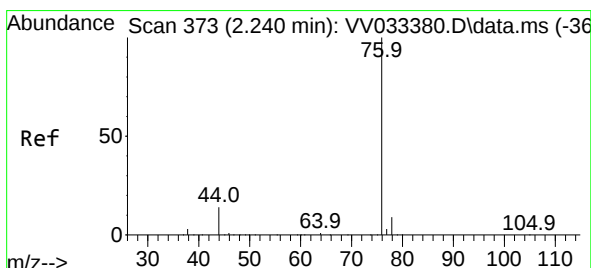
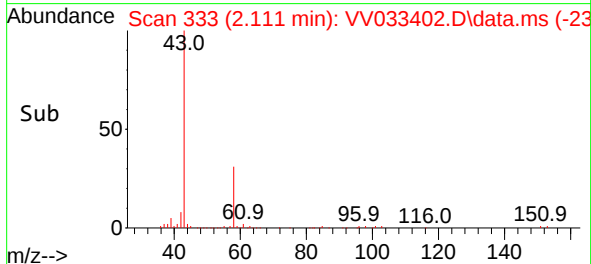
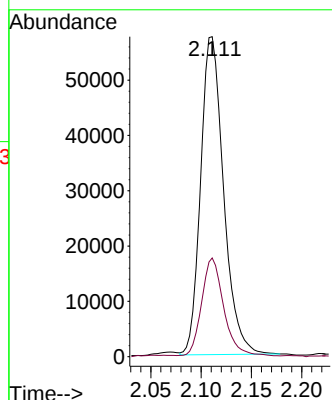
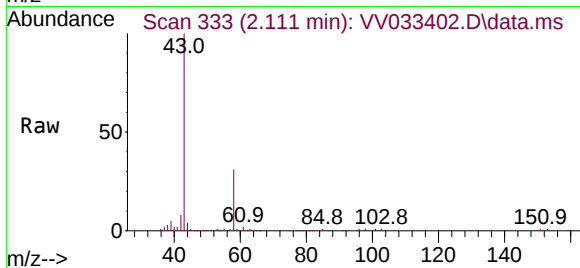
ClientSampleId :

Tgt Ion: 43 Resp: 91320

Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.2



#14

Carbon disulfide

Concen: 47.303 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV033402.D

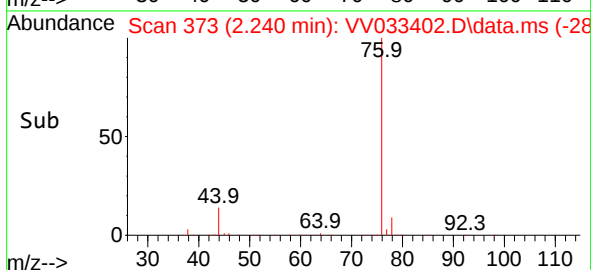
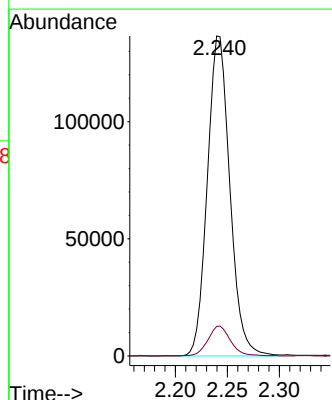
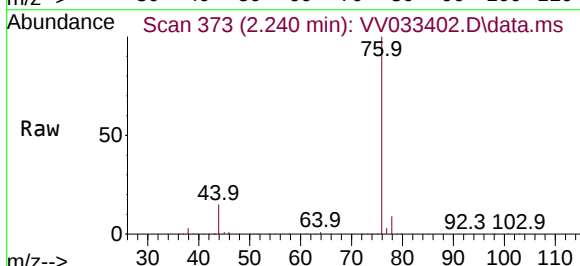
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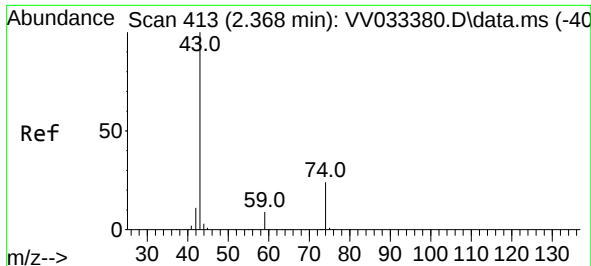
Tgt Ion: 76 Resp: 205400

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

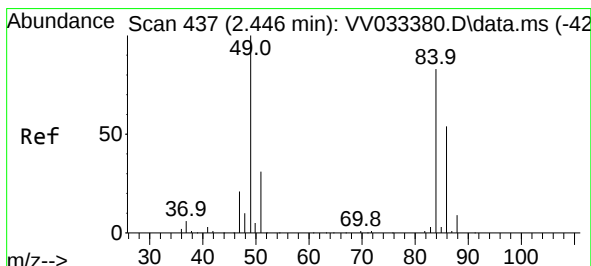
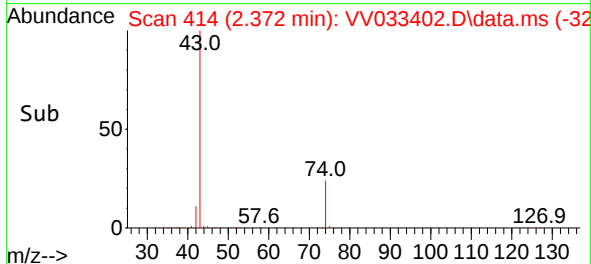
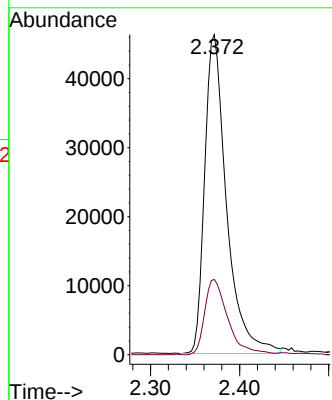
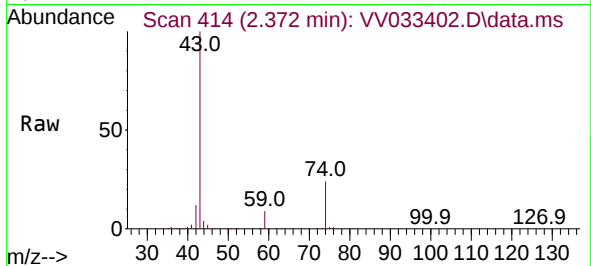




#15
Methyl Acetate
Concen: 50.809 ug/L
RT: 2.372 min Scan# 413
Delta R.T. 0.003 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

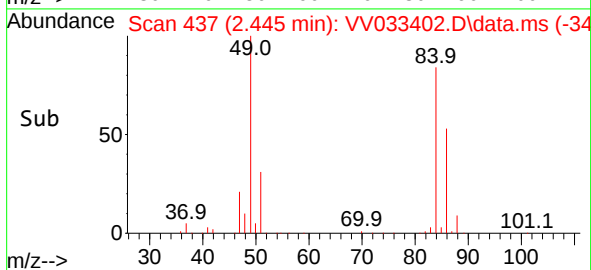
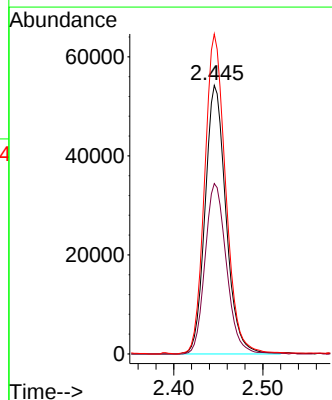
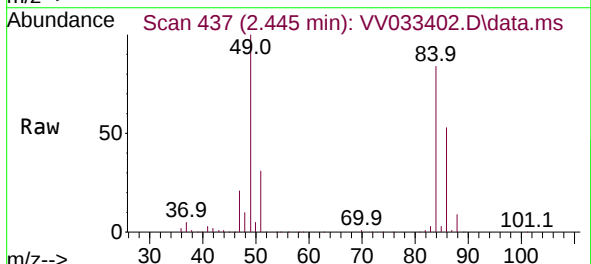
Instrument :
MSVOA_V
ClientSampleId :

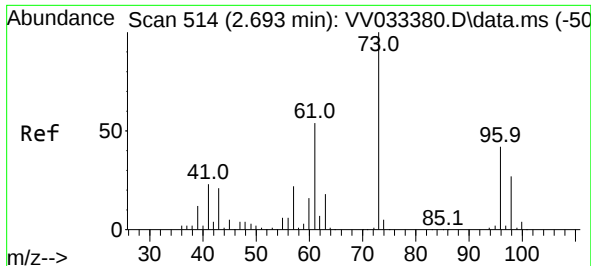
Tgt Ion: 43 Resp: 78827
Ion Ratio Lower Upper
43 100
74 24.9 20.8 31.2



#16
Methylene chloride
Concen: 46.517 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

Tgt Ion: 84 Resp: 88279
Ion Ratio Lower Upper
84 100
86 63.4 45.4 84.2
49 119.1 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 48.940 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

ClientSampleId :

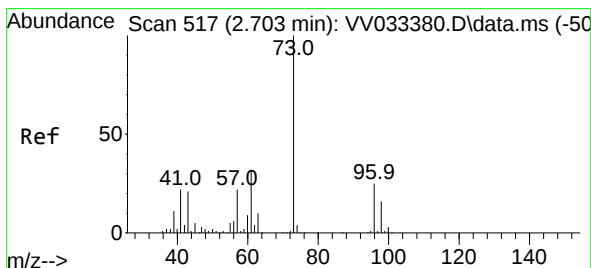
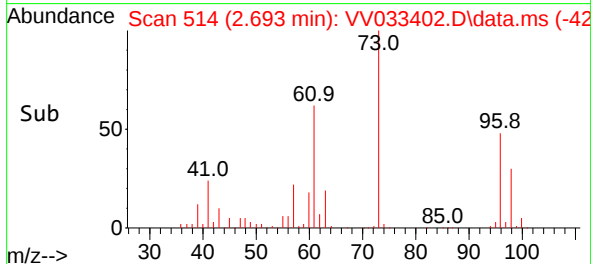
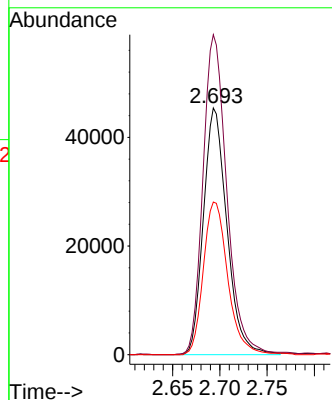
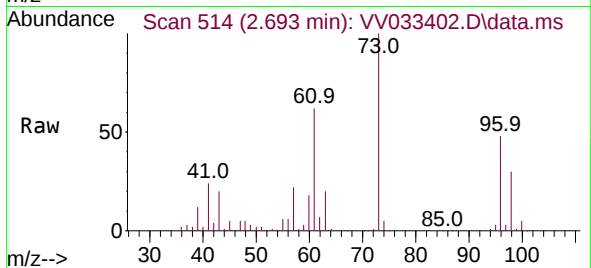
Tgt Ion: 96 Resp: 78602

Ion Ratio Lower Upper

96 100

61 129.7 89.6 166.4

98 61.8 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 50.426 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

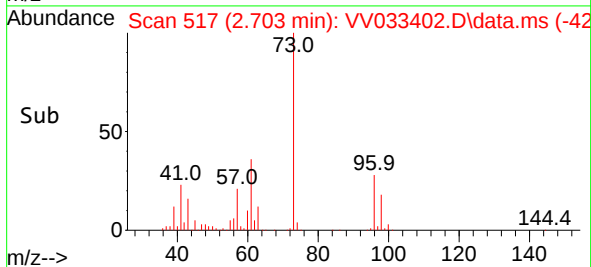
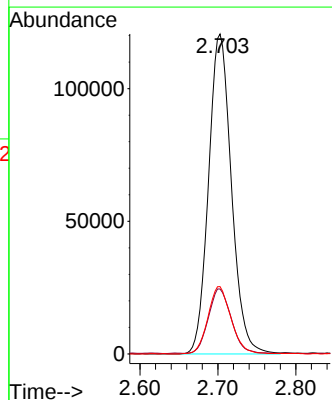
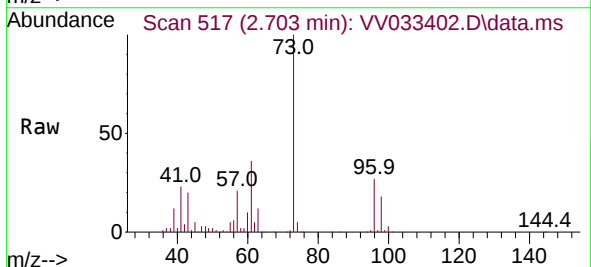
Tgt Ion: 73 Resp: 245948

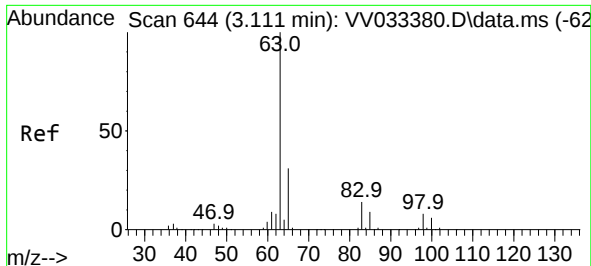
Ion Ratio Lower Upper

73 100

43 20.2 16.3 24.5

57 21.2 17.3 25.9





#19

1,1-Dichloroethane

Concen: 48.949 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

ClientSampleId :

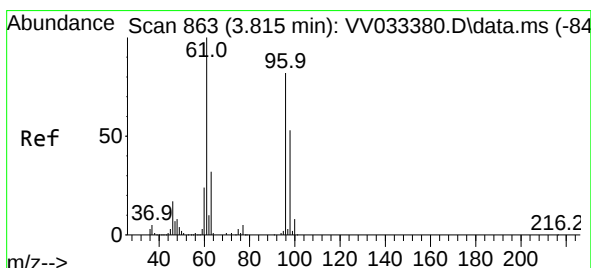
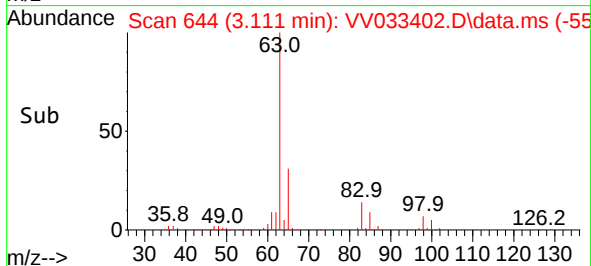
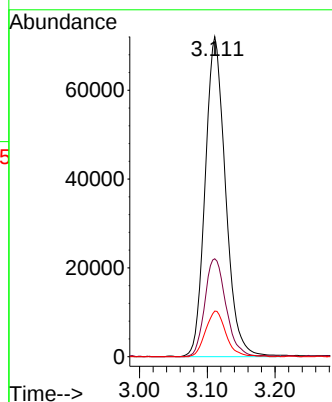
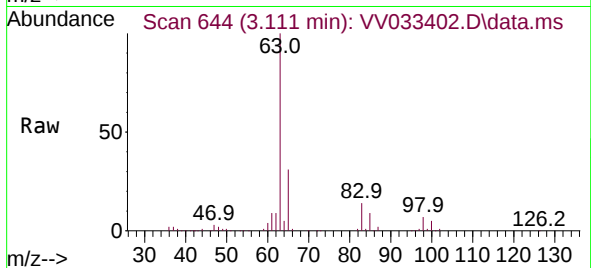
Tgt Ion: 63 Resp: 150678

Ion Ratio Lower Upper

63 100

65 30.6 21.1 39.3

83 14.2 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 48.456 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

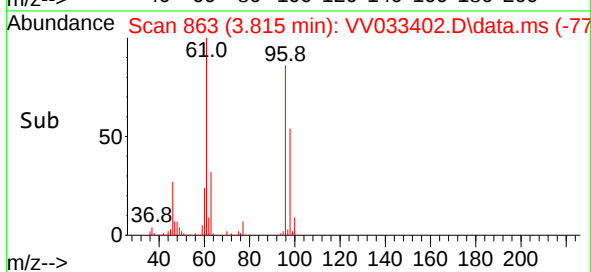
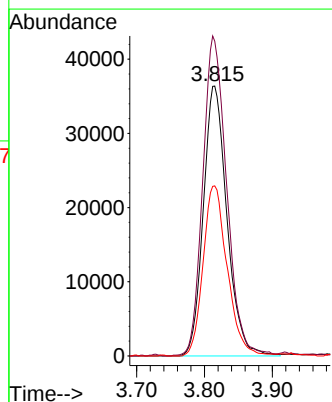
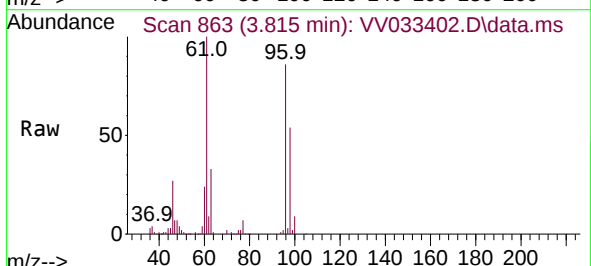
Tgt Ion: 96 Resp: 88240

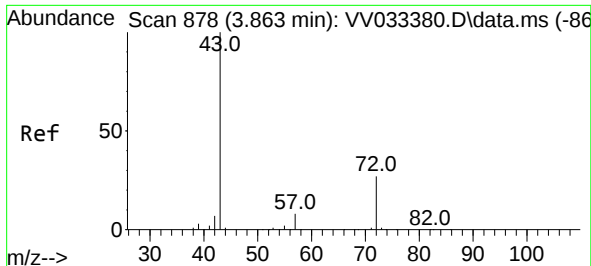
Ion Ratio Lower Upper

96 100

61 116.6 81.9 152.1

98 63.0 44.3 82.3

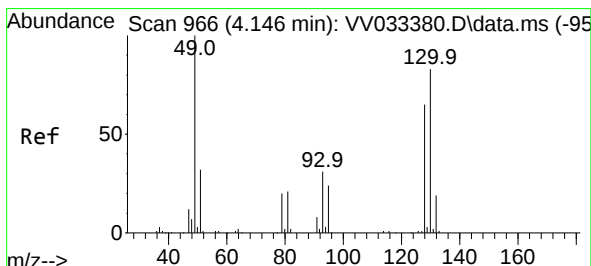
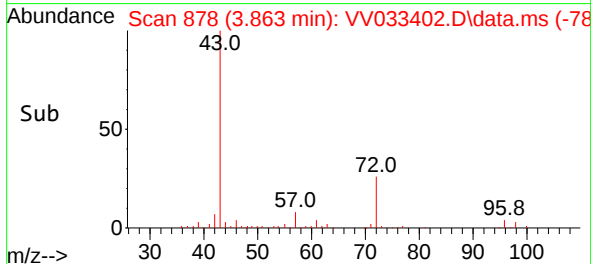
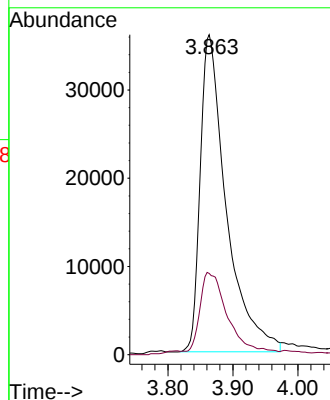
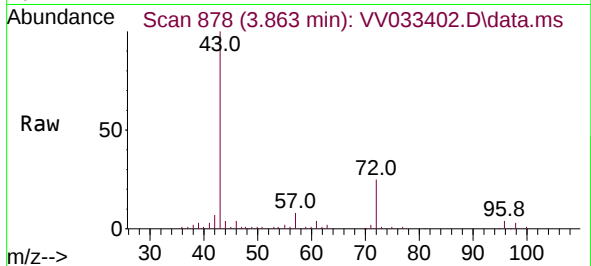




#22
2-Butanone
Concen: 93.927 ug/L
RT: 3.863 min Scan# 81
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

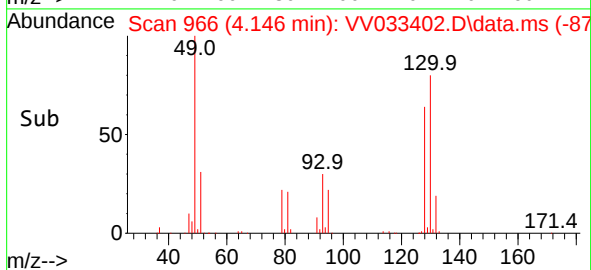
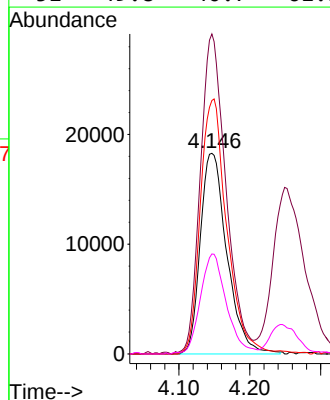
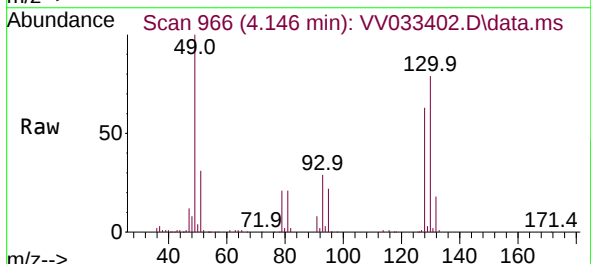
Instrument :
MSVOA_V
ClientSampleId :

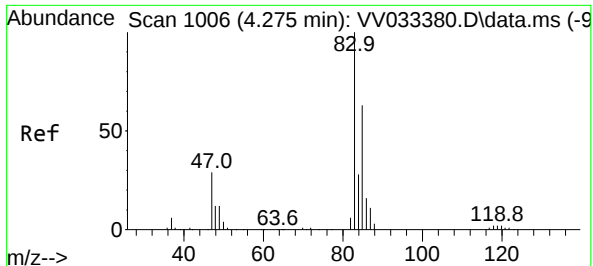
Tgt Ion: 43 Resp: 100526
Ion Ratio Lower Upper
43 100
72 25.0 12.4 37.4



#23
Bromochloromethane
Concen: 47.661 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

Tgt Ion:128 Resp: 47573
Ion Ratio Lower Upper
128 100
49 159.4 106.0 196.9
130 126.3 93.6 173.8
51 49.8 40.7 61.1





#25

Chloroform

Concen: 47.990 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

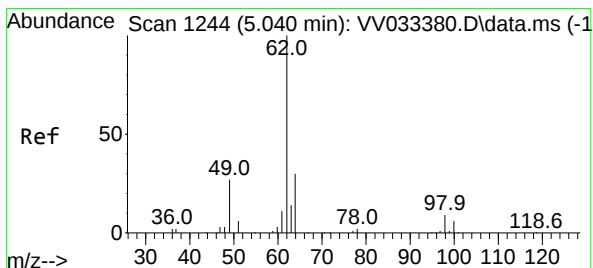
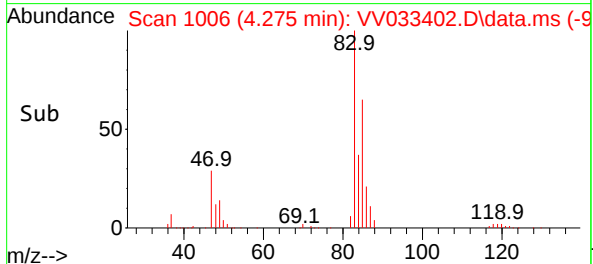
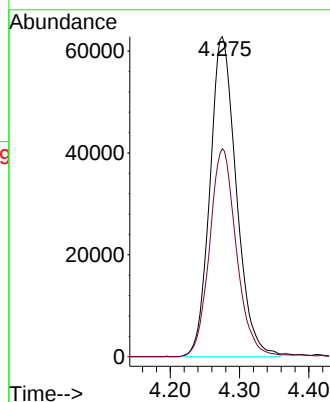
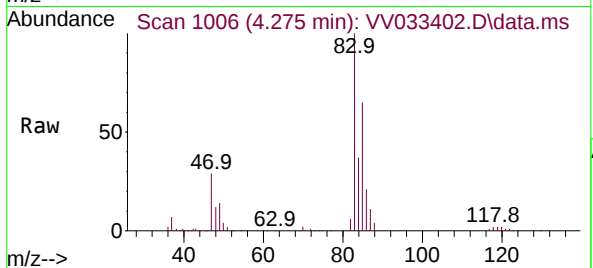
ClientSampleId :

Tgt Ion: 83 Resp: 166245

Ion Ratio Lower Upper

83 100

85 65.0 46.1 85.7



#27

1,2-Dichloroethane

Concen: 48.044 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.000 min

Lab File: VV033402.D

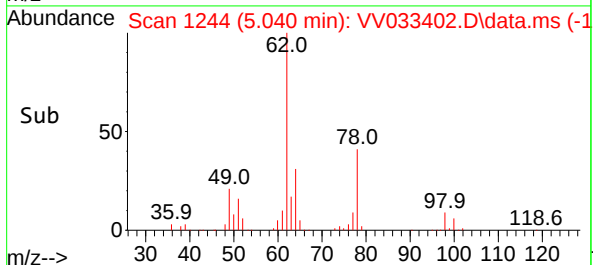
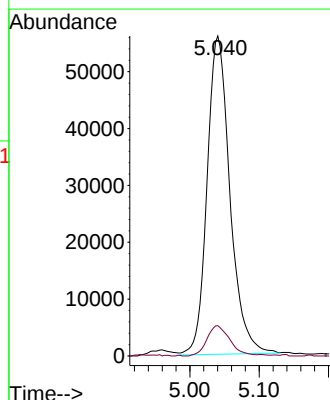
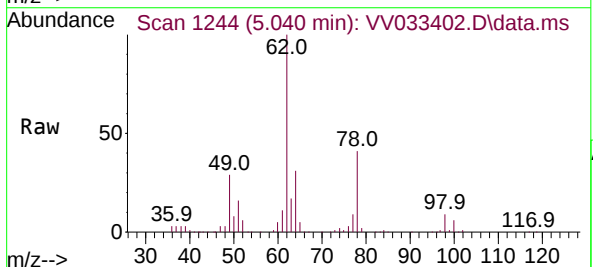
Acq: 16 Dec 2023 00:59

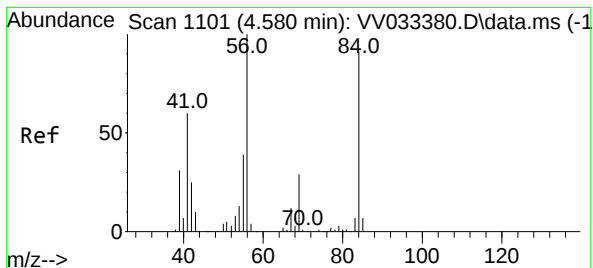
Tgt Ion: 62 Resp: 128290

Ion Ratio Lower Upper

62 100

98 9.5 8.0 12.0





#29

Cyclohexane

Concen: 50.679 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

ClientSampleId :

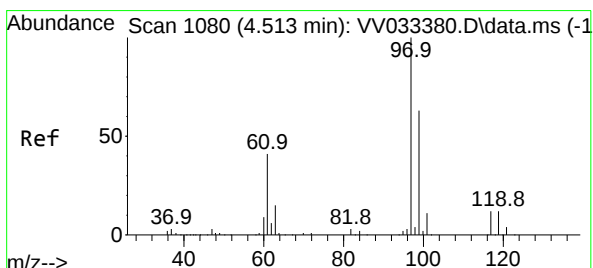
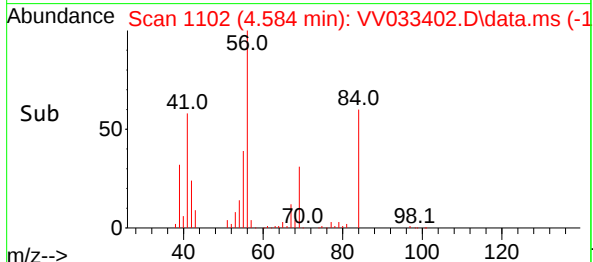
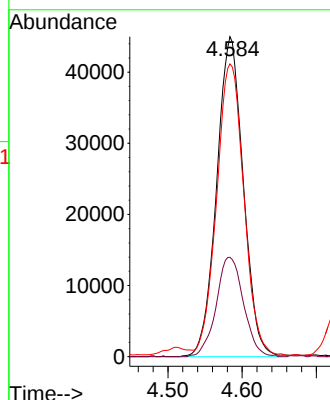
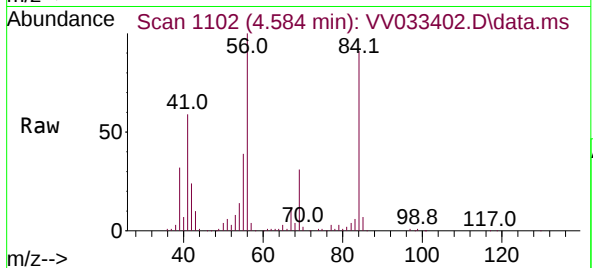
Tgt Ion: 56 Resp: 112118

Ion Ratio Lower Upper

56 100

69 31.8 25.8 38.6

84 92.8 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 48.833 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

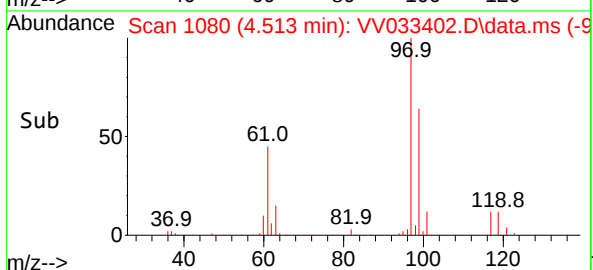
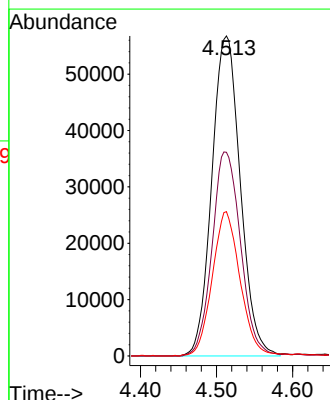
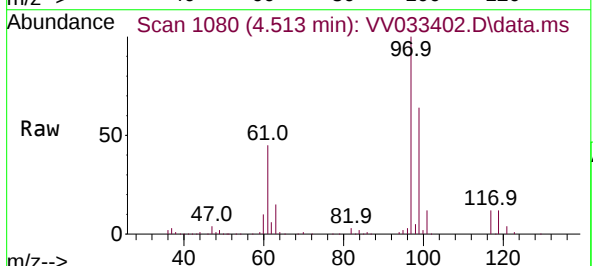
Tgt Ion: 97 Resp: 147994

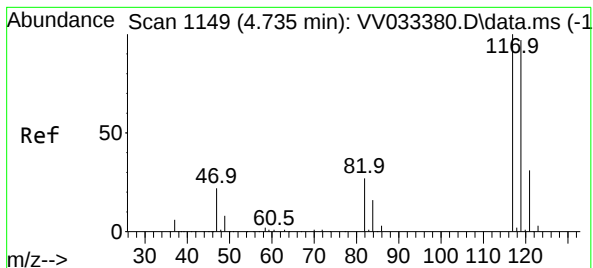
Ion Ratio Lower Upper

97 100

99 63.7 51.8 77.6

61 43.5 34.8 52.2





#31

Carbon tetrachloride

Concen: 48.343 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

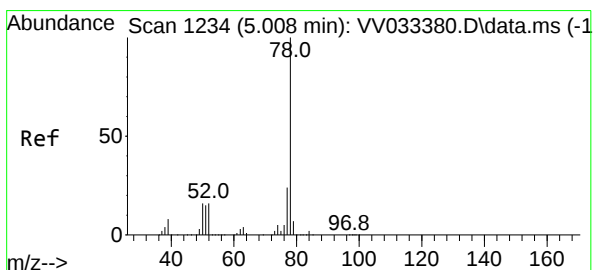
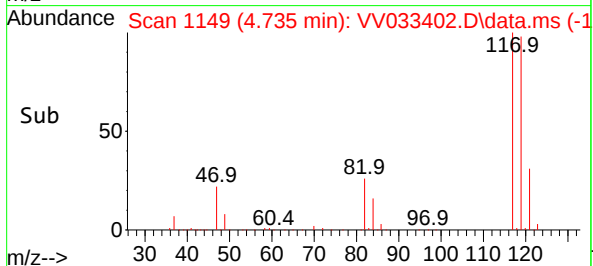
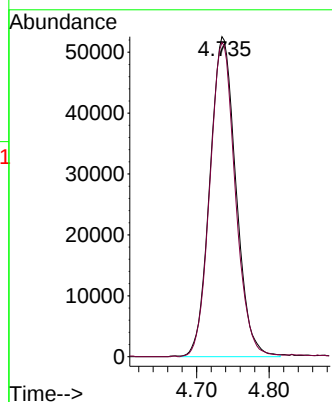
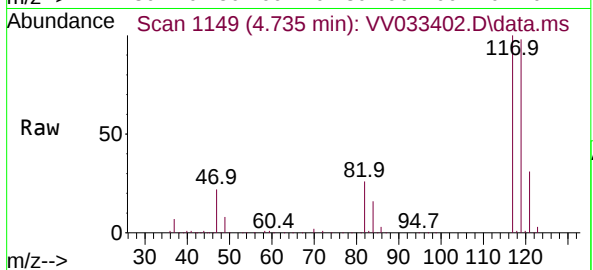
ClientSampleId :

Tgt Ion:117 Resp: 131117

Ion Ratio Lower Upper

117 100

119 96.0 77.8 116.6



#33

Benzene

Concen: 50.809 ug/L

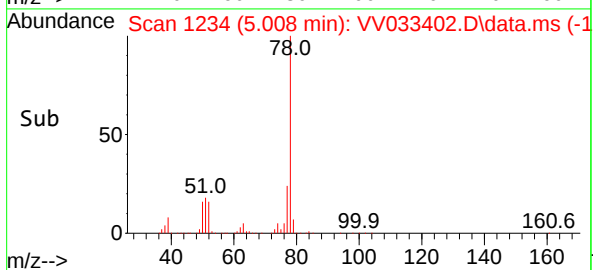
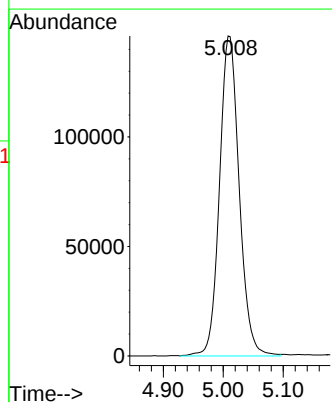
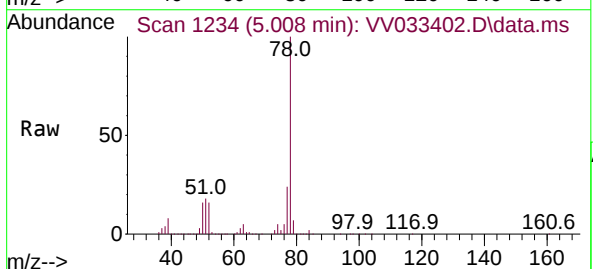
RT: 5.008 min Scan# 1234

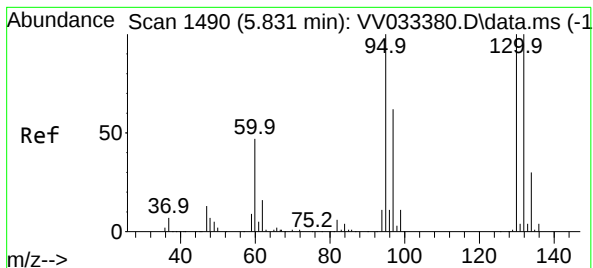
Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Tgt Ion: 78 Resp: 332418





#34

Trichloroethene

Concen: 50.130 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 89979

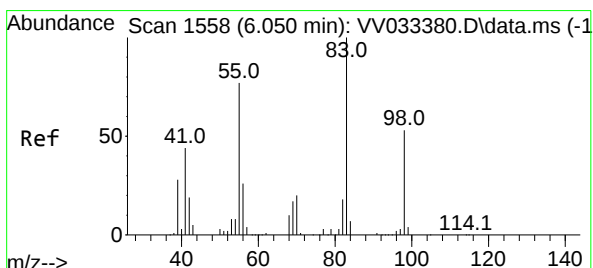
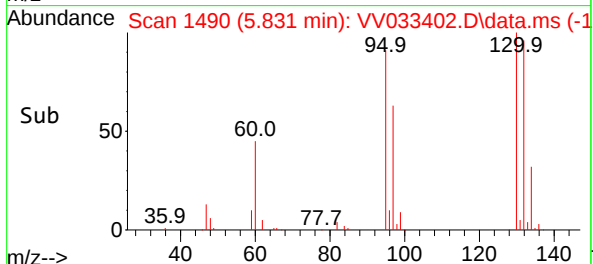
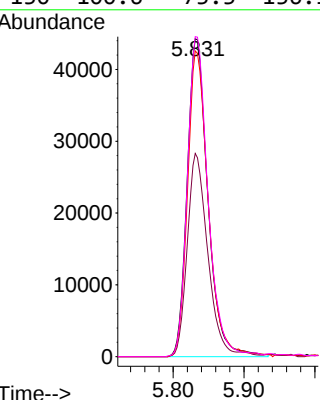
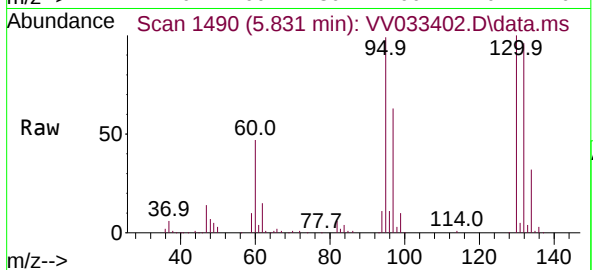
Ion Ratio Lower Upper

95 100

97 63.9 44.8 83.2

132 96.1 69.9 129.7

130 100.6 73.3 136.1



#35

Methylcyclohexane

Concen: 48.444 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

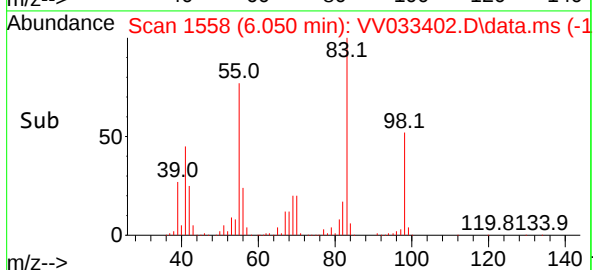
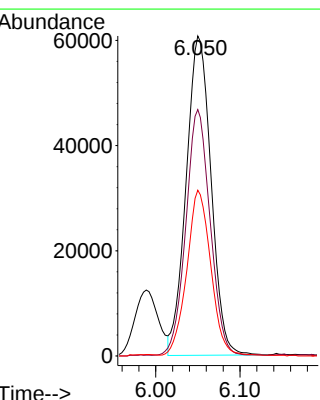
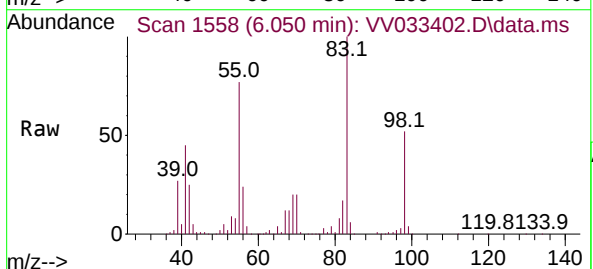
Tgt Ion: 83 Resp: 124716

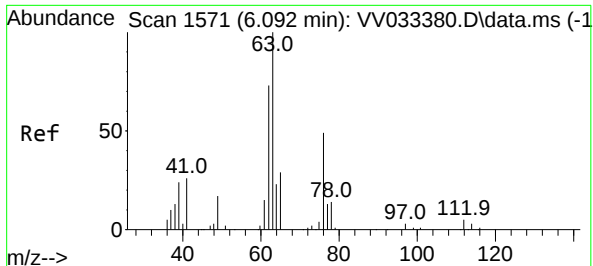
Ion Ratio Lower Upper

83 100

55 75.7 58.6 88.0

98 50.4 40.9 61.3





#37

1,2-Dichloropropane

Concen: 48.752 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

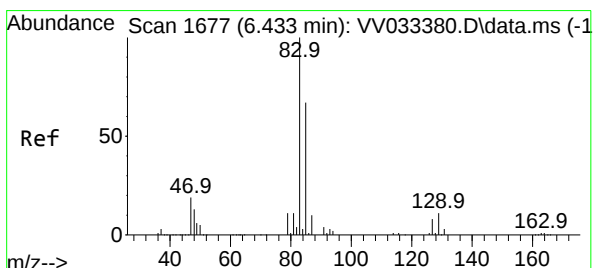
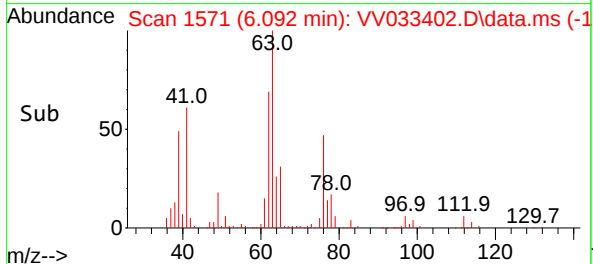
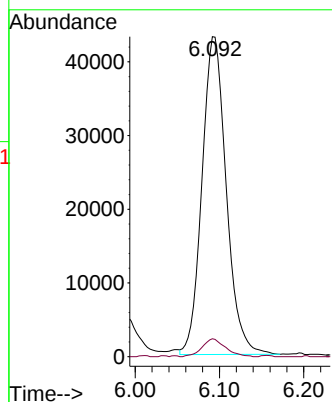
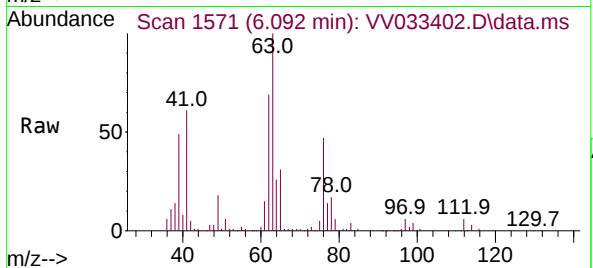
ClientSampleId :

Tgt Ion: 63 Resp: 86500

Ion Ratio Lower Upper

63 100

112 5.4 3.7 5.5



#38

Bromodichloromethane

Concen: 48.949 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

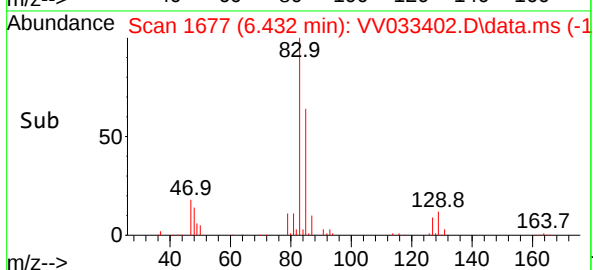
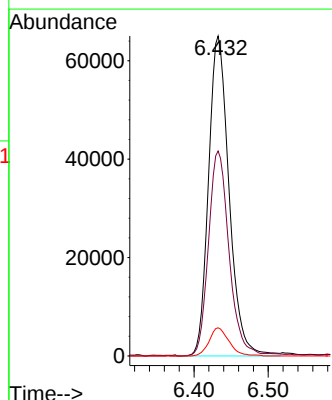
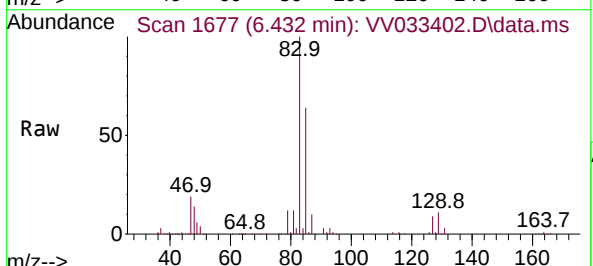
Tgt Ion: 83 Resp: 124999

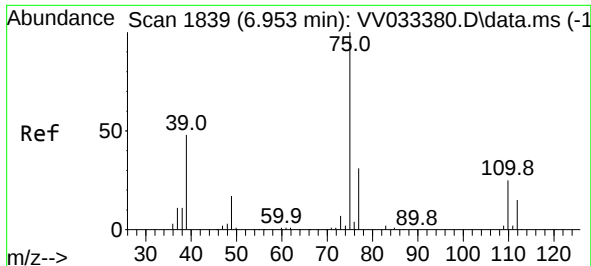
Ion Ratio Lower Upper

83 100

85 64.1 45.2 84.0

127 8.8 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 49.914 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

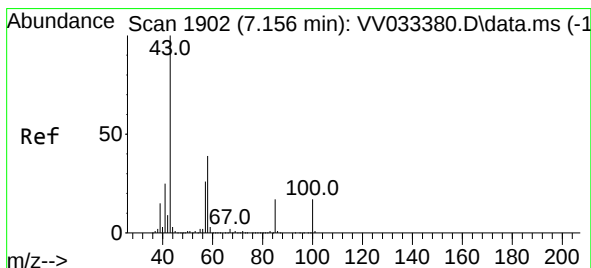
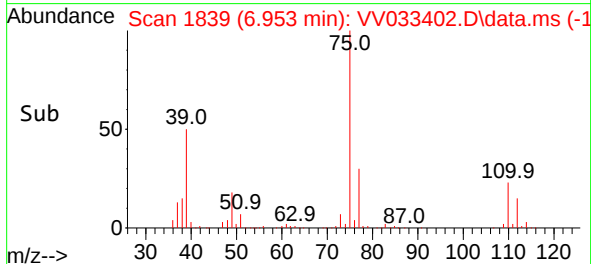
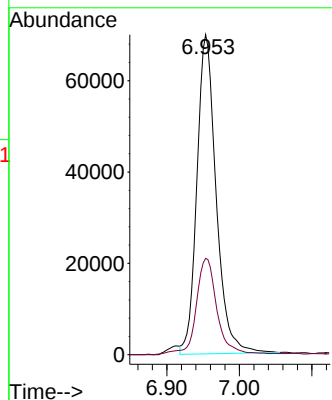
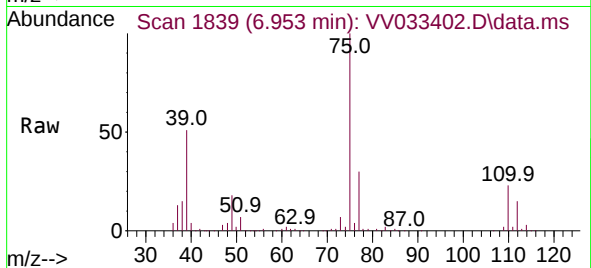
ClientSampleId :

Tgt Ion: 75 Resp: 128838

Ion Ratio Lower Upper

75 100

77 30.1 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 112.102 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

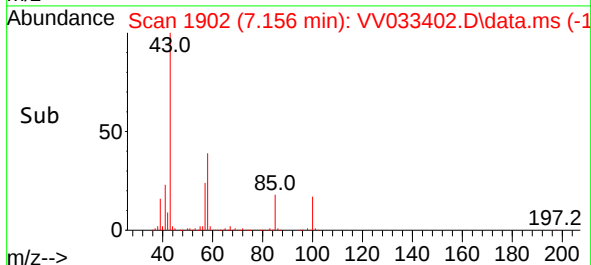
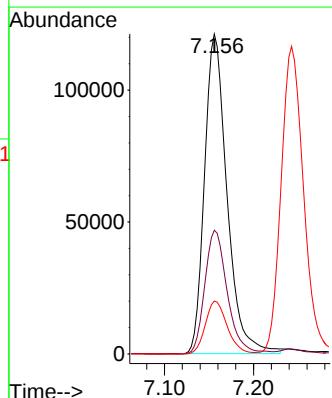
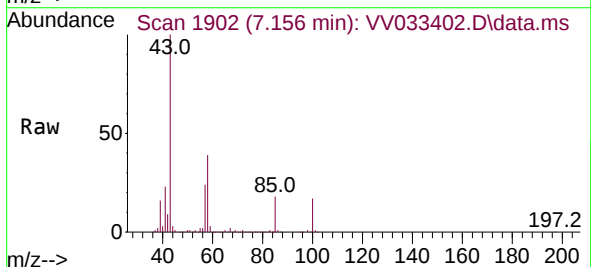
Tgt Ion: 43 Resp: 212258

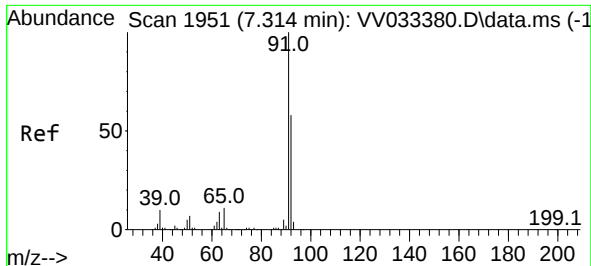
Ion Ratio Lower Upper

43 100

58 38.4 30.7 46.1

100 16.1 13.6 20.4





#42

Toluene

Concen: 51.853 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

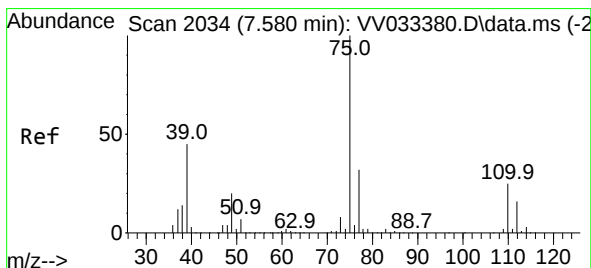
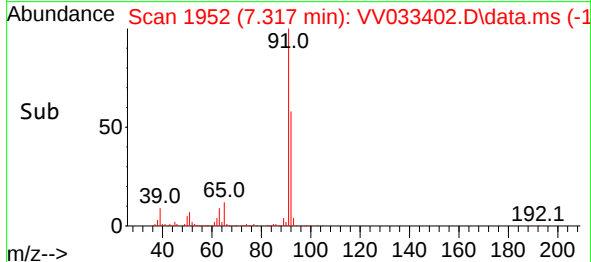
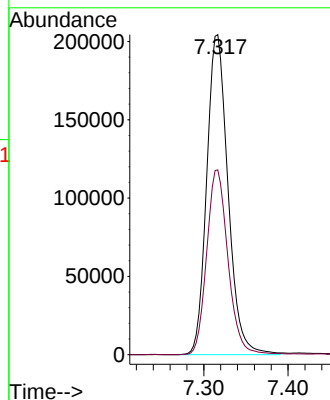
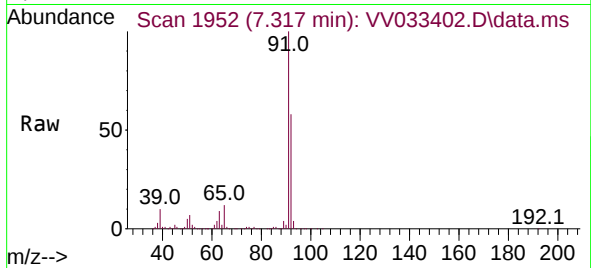
ClientSampleId :

Tgt Ion: 91 Resp: 359572

Ion Ratio Lower Upper

91 100

92 57.7 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 50.233 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV033402.D

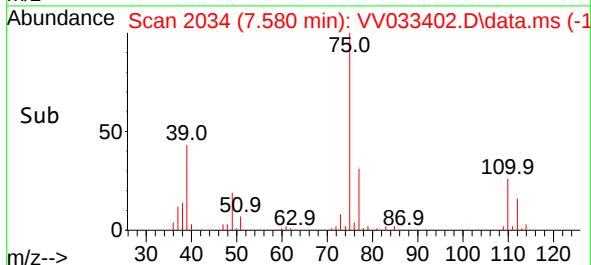
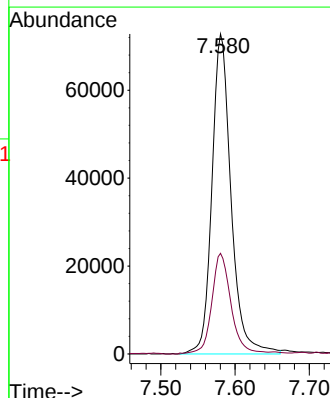
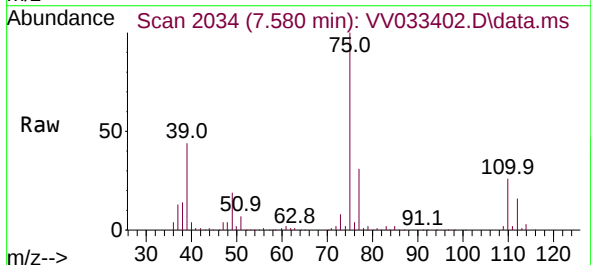
Acq: 16 Dec 2023 00:59

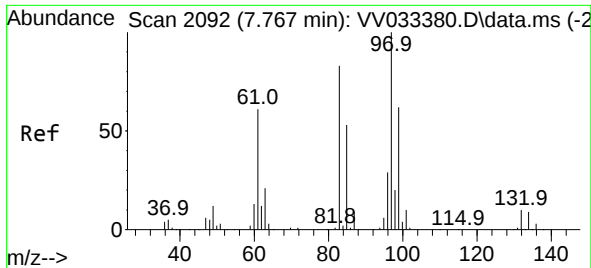
Tgt Ion: 75 Resp: 130111

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6

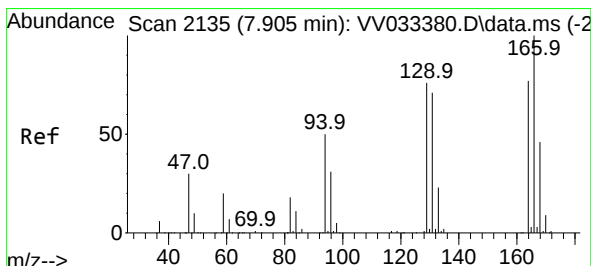
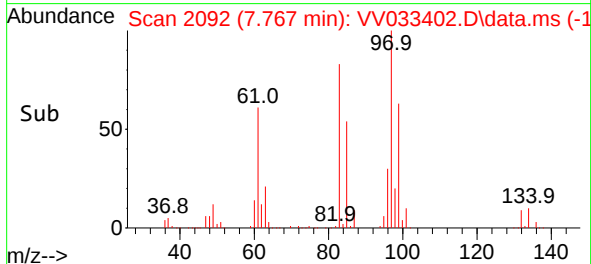
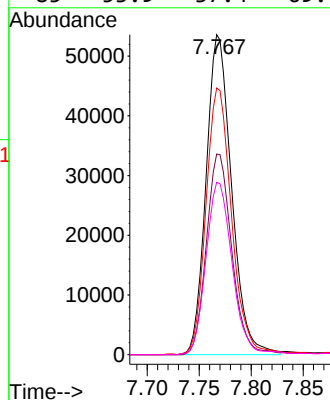
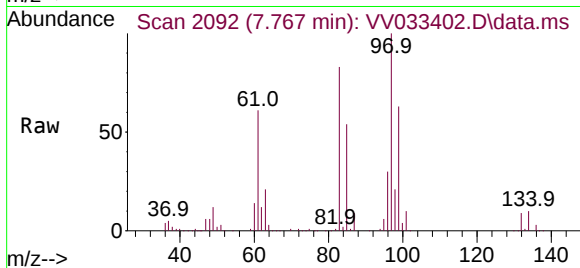




#45
1,1,2-Trichloroethane
Concen: 49.491 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

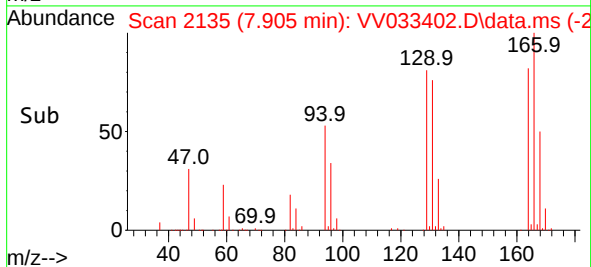
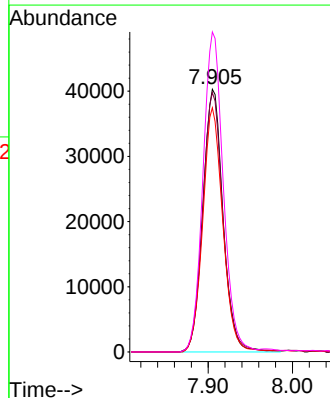
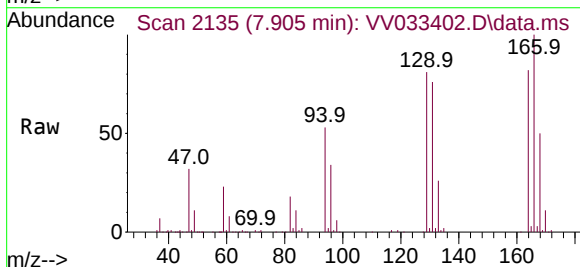
Instrument :
MSVOA_V
ClientSampleId :

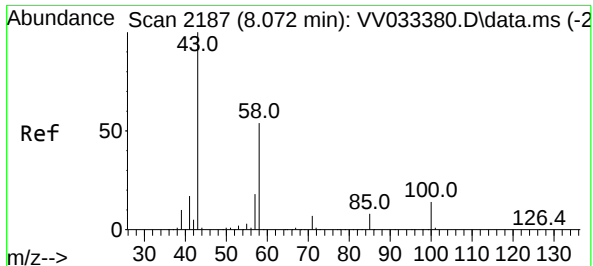
Tgt Ion: 97	Resp: 91524
Ion Ratio	Lower Upper
97 100	
99 62.7	43.5 80.7
83 83.3	61.0 113.4
85 53.9	37.4 69.4



#46
Tetrachloroethene
Concen: 48.083 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

Tgt	Ion:164	Resp:	67437
Ion	Ratio	Lower	Upper
164	100		
129	98.7	68.9	127.9
131	92.9	65.3	121.3
166	121.8	86.9	161.3

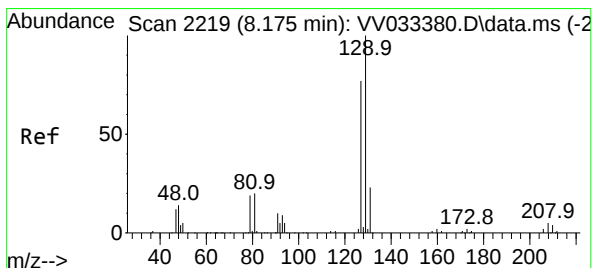
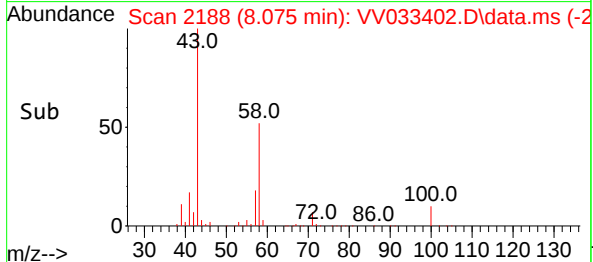
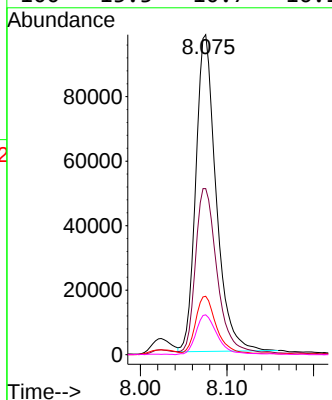
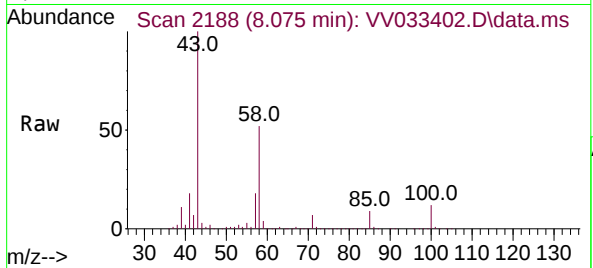




#48
2-Hexanone
Concen: 101.530 ug/L
RT: 8.075 min Scan# 2187
Delta R.T. 0.003 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

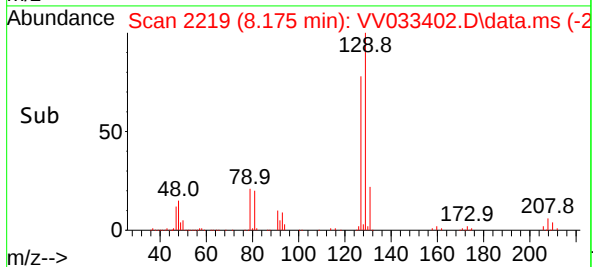
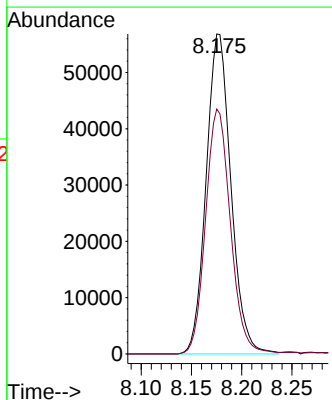
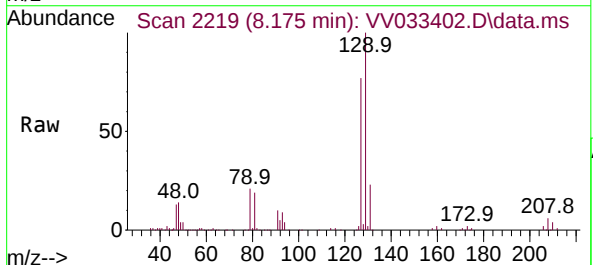
Instrument :
MSVOA_V
ClientSampleId :

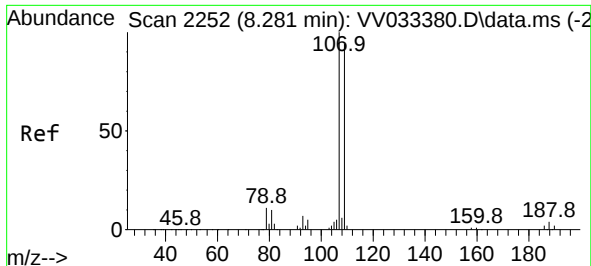
Tgt Ion: 43 Resp: 160341
Ion Ratio Lower Upper
43 100
58 54.0 43.0 64.6
57 19.2 14.7 22.1
100 13.3 10.7 16.1



#49
Dibromochloromethane
Concen: 49.893 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

Tgt Ion:129 Resp: 97564
Ion Ratio Lower Upper
129 100
127 76.6 53.3 98.9





#50

1,2-Dibromoethane

Concen: 49.730 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033402.D

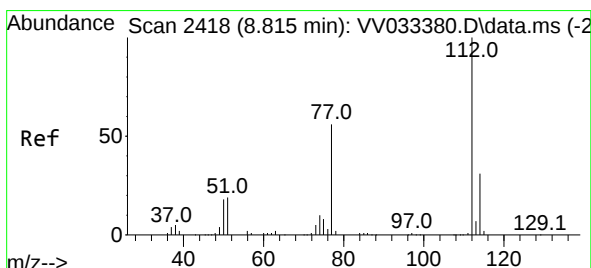
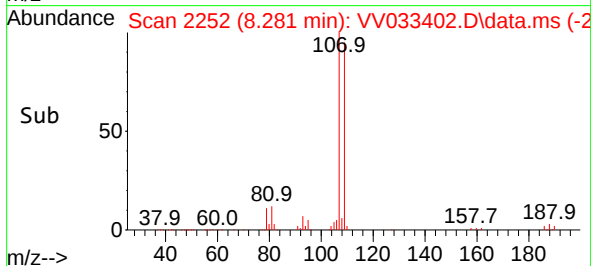
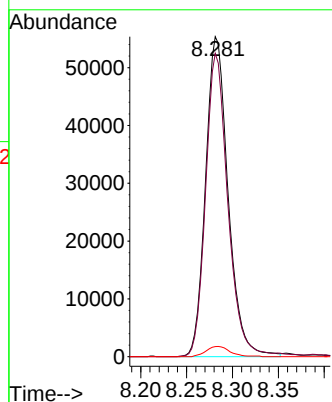
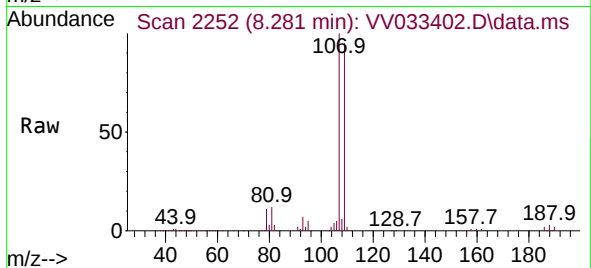
Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	94800
Ion	Ratio	Lower	Upper
107	100		
109	94.8	64.2	119.2
188	3.2	2.9	4.3



#51

Chlorobenzene

Concen: 47.713 ug/L

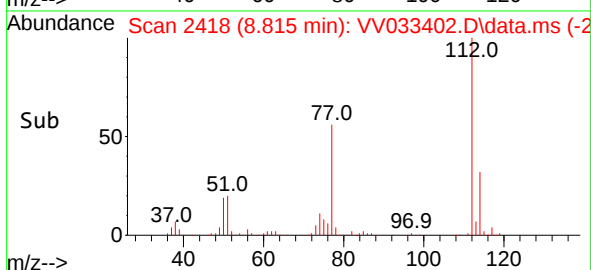
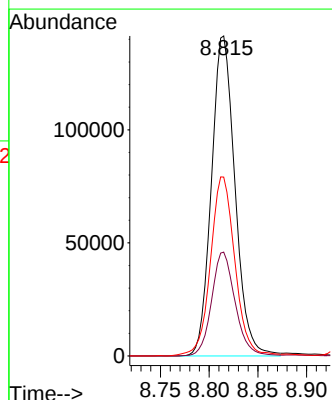
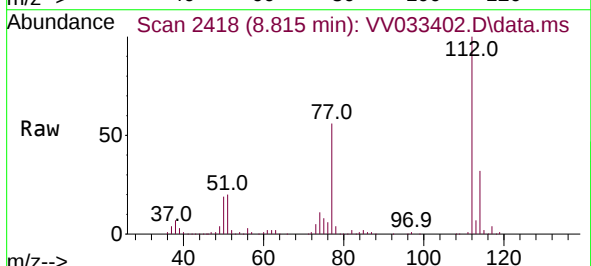
RT: 8.815 min Scan# 2418

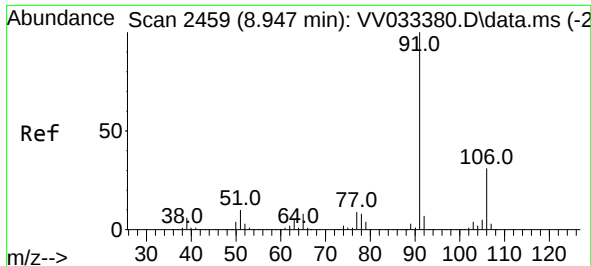
Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Tgt Ion:	112	Resp:	238441
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.5	41.7
77	55.9	45.2	67.8

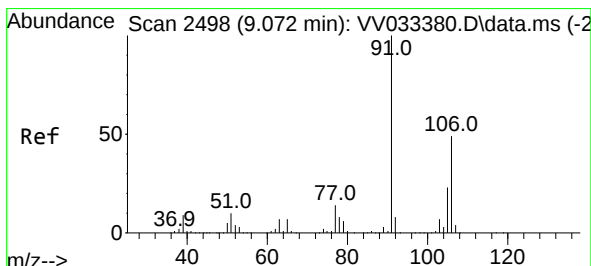
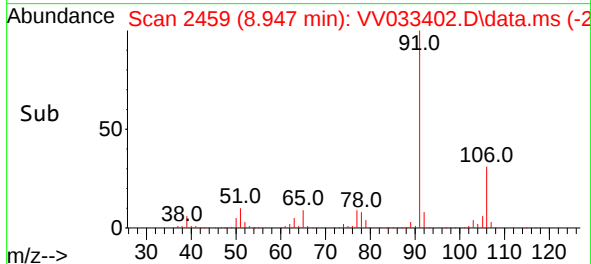
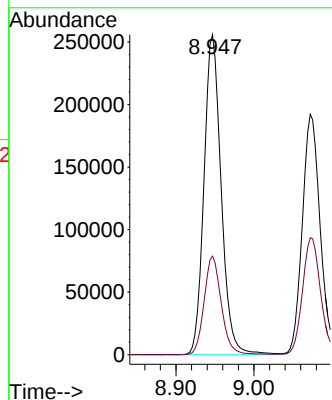
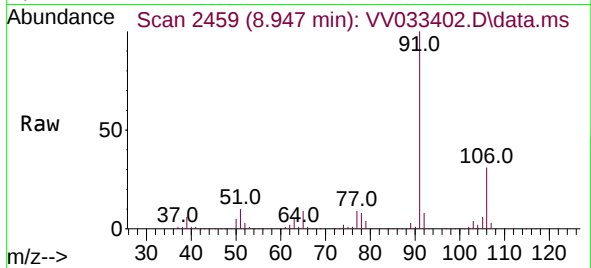




#52
Ethylbenzene
Concen: 50.780 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

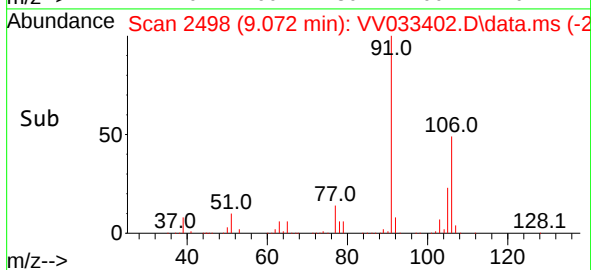
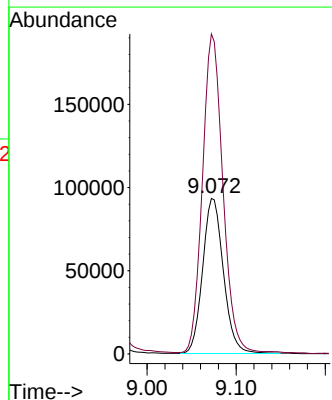
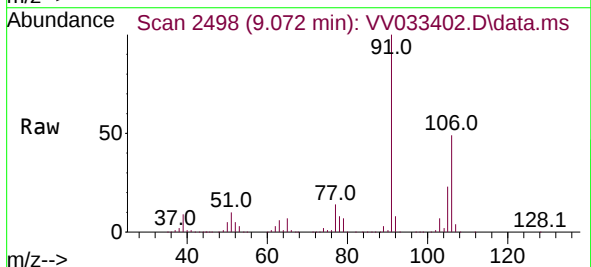
Instrument :
MSVOA_V
ClientSampleId :

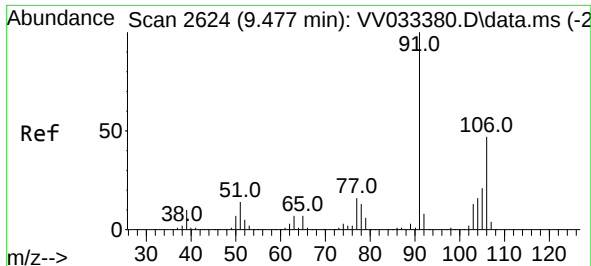
Tgt Ion: 91 Resp: 392153
Ion Ratio Lower Upper
91 100
106 30.8 21.6 40.2



#53
m,p-Xylene
Concen: 51.932 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

Tgt Ion: 106 Resp: 150678
Ion Ratio Lower Upper
106 100
91 205.7 143.0 265.6

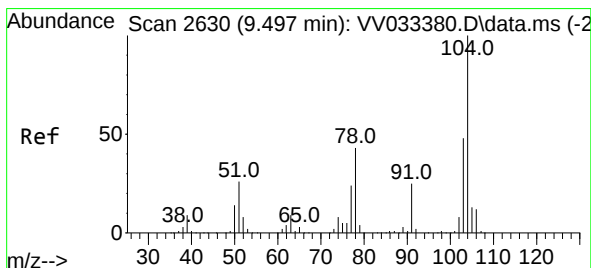
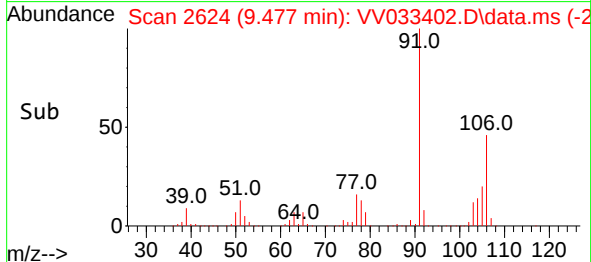
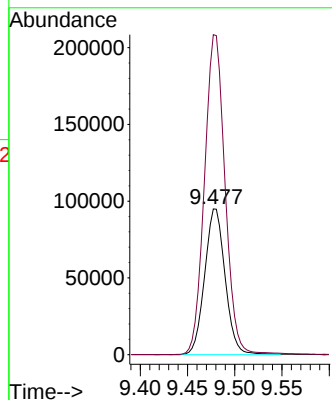
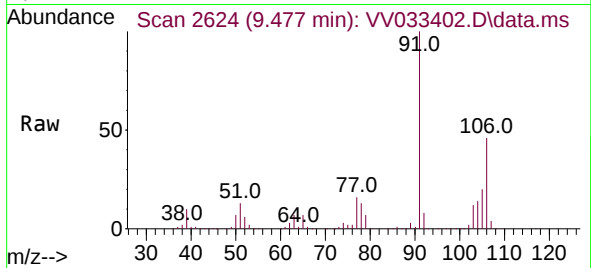




#54
o-Xylene
Concen: 50.797 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

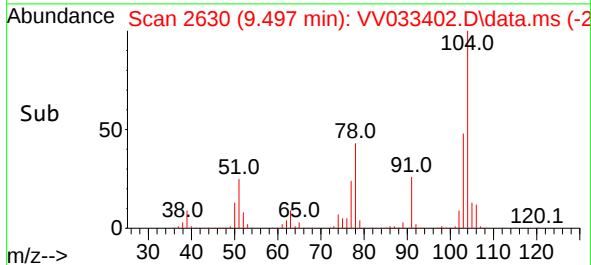
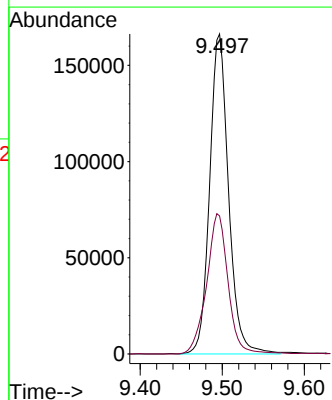
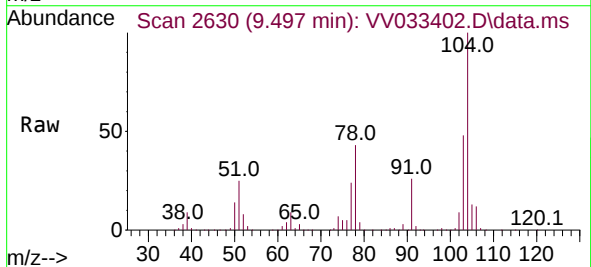
Instrument :
MSVOA_V
ClientSampleId :

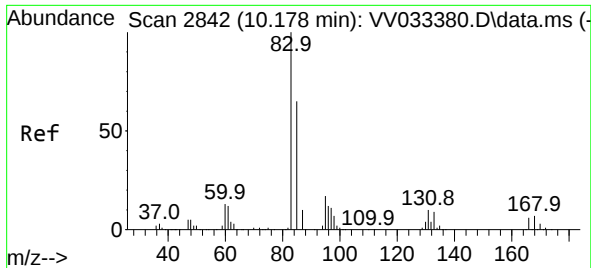
Tgt Ion:106 Resp: 143112
Ion Ratio Lower Upper
106 100
91 219.5 149.7 278.1



#55
Styrene
Concen: 53.669 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

Tgt Ion:104 Resp: 266849
Ion Ratio Lower Upper
104 100
78 43.1 30.2 56.2

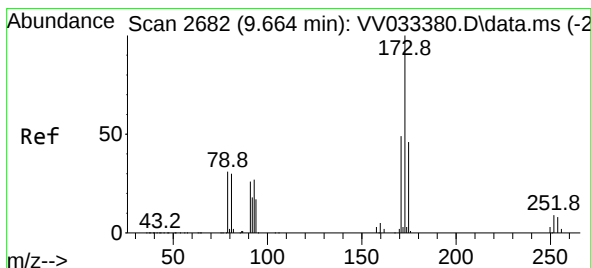
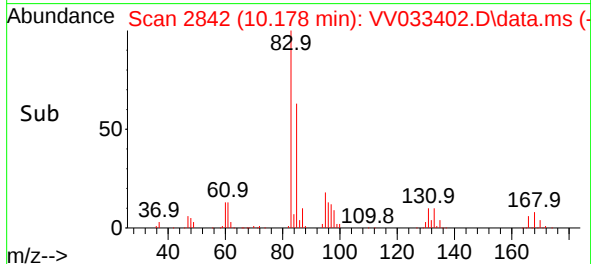
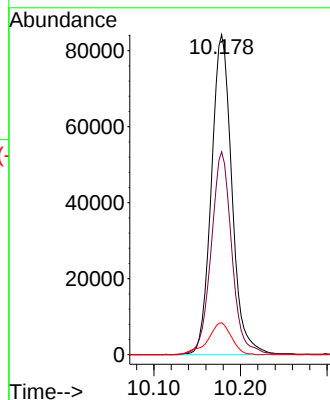
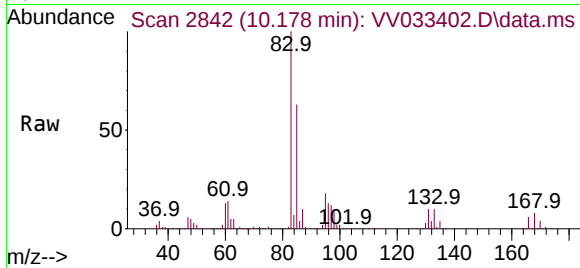




#57
1,1,2,2-Tetrachloroethane
Concen: 48.761 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

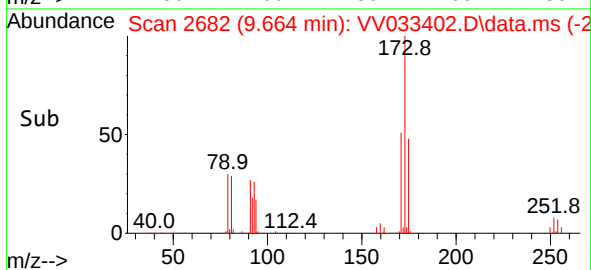
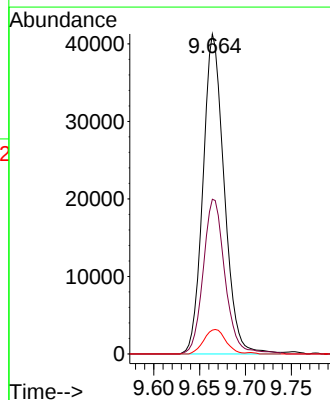
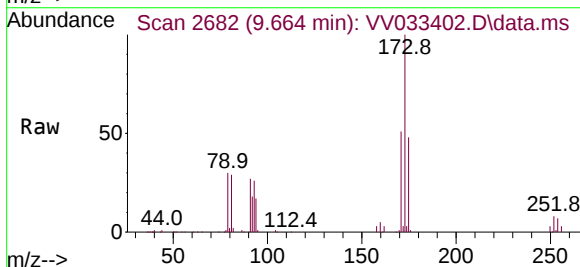
Instrument :
MSVOA_V
ClientSampleId :

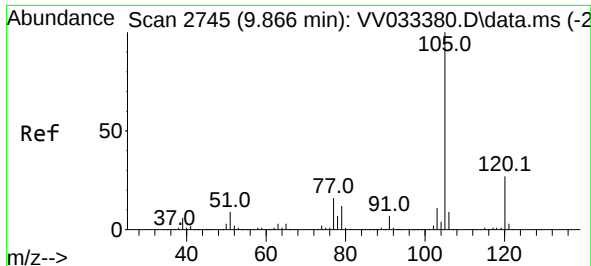
Tgt Ion: 83 Resp: 138493
Ion Ratio Lower Upper
83 100
85 63.4 44.8 83.2
131 9.9 8.6 12.8



#59
Bromoform
Concen: 48.241 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

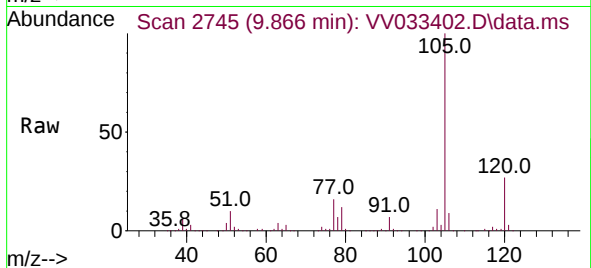
Tgt Ion: 173 Resp: 66418
Ion Ratio Lower Upper
173 100
175 49.5 38.8 58.2
254 7.9 5.8 8.8



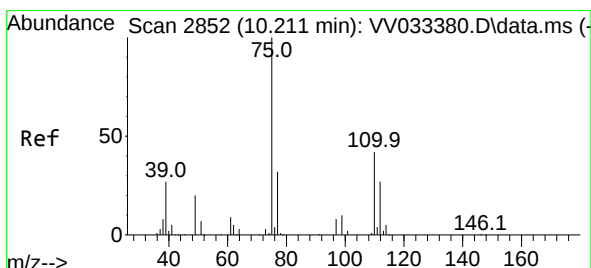
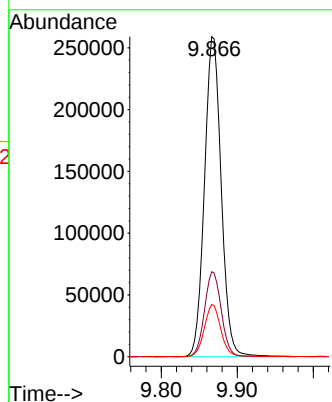
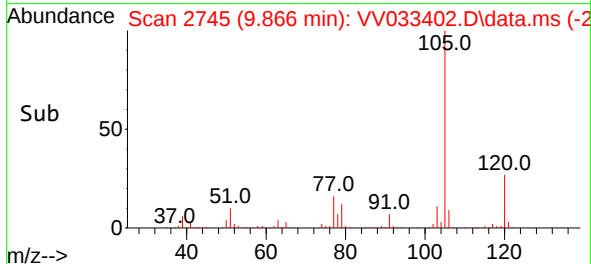


#60
Isopropylbenzene
Concen: 52.298 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

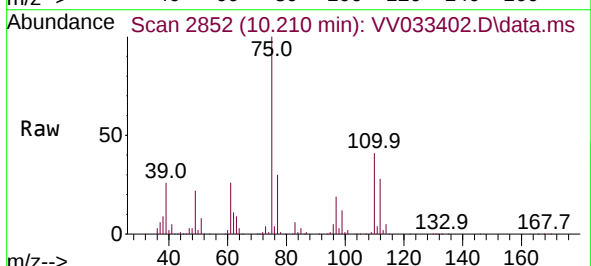
Instrument :
MSVOA_V
ClientSampleId :



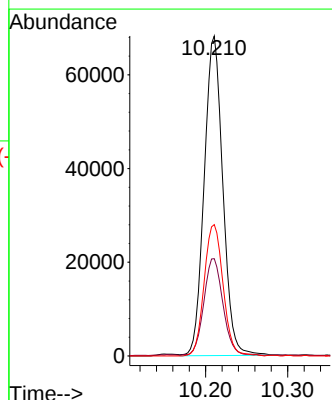
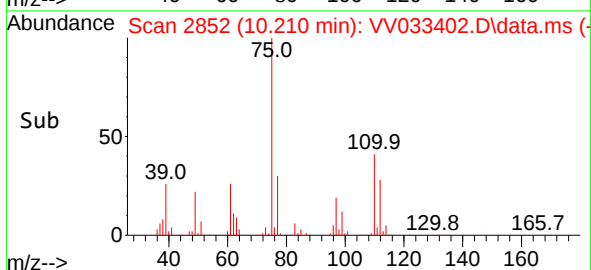
Tgt Ion:105 Resp: 396317
Ion Ratio Lower Upper
105 100
120 26.5 21.2 31.8
77 15.9 12.5 18.7

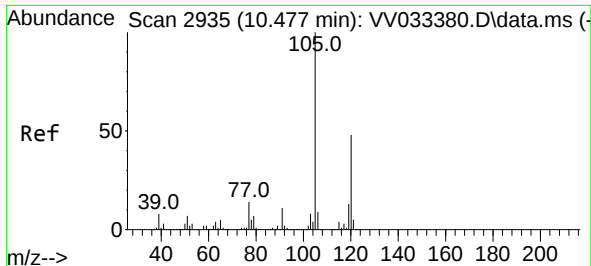


#61
1,2,3-Trichloropropane
Concen: 50.356 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59



Tgt Ion: 75 Resp: 107708
Ion Ratio Lower Upper
75 100
77 30.2 25.7 38.5
110 41.7 33.9 50.9

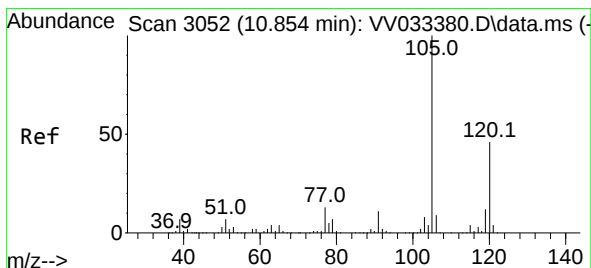
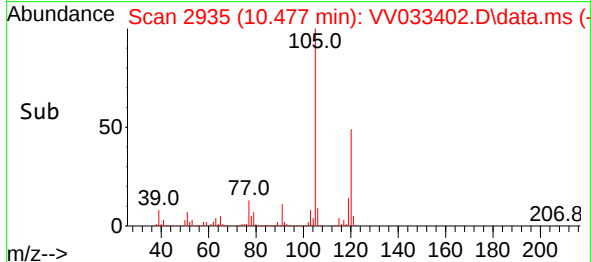
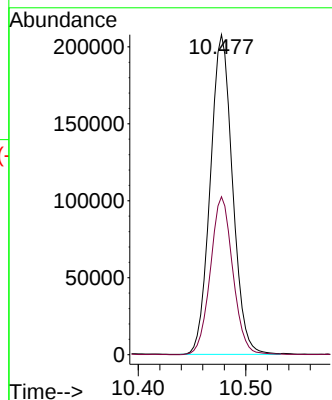
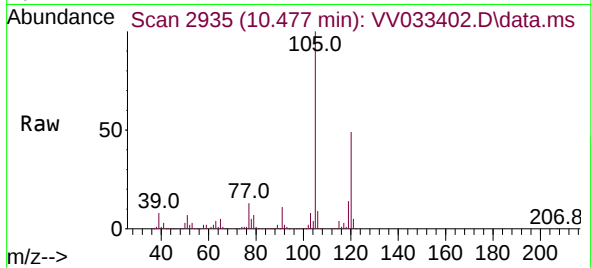




#62
 1,3,5-Trimethylbenzene
 Concen: 52.029 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VV033402.D
 Acq: 16 Dec 2023 00:59

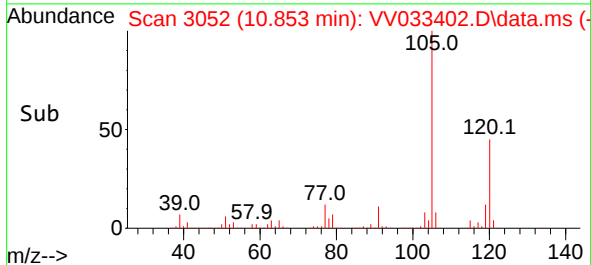
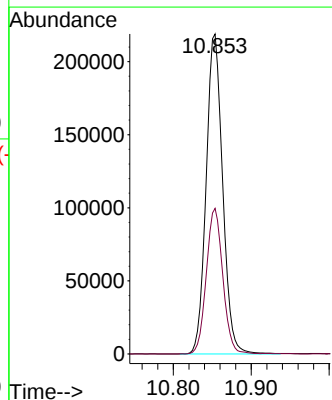
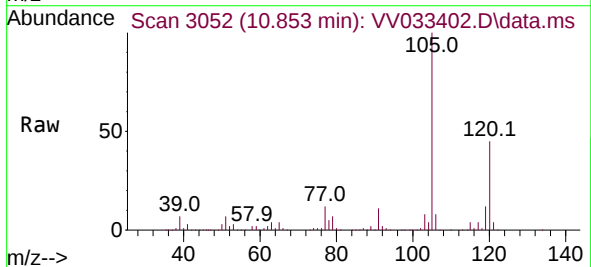
Instrument :
 MSVOA_V
 ClientSampleId :

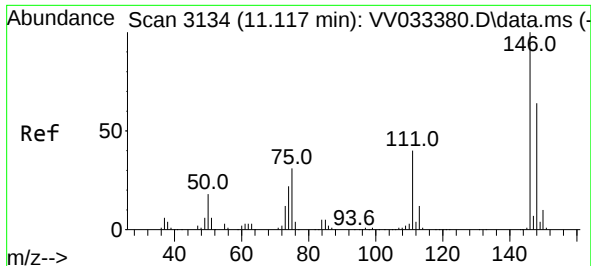
Tgt Ion:105 Resp: 298821
 Ion Ratio Lower Upper
 105 100
 120 49.8 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 53.988 ug/L
 RT: 10.853 min Scan# 3052
 Delta R.T. -0.000 min
 Lab File: VV033402.D
 Acq: 16 Dec 2023 00:59

Tgt Ion:105 Resp: 322039
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.2 54.4

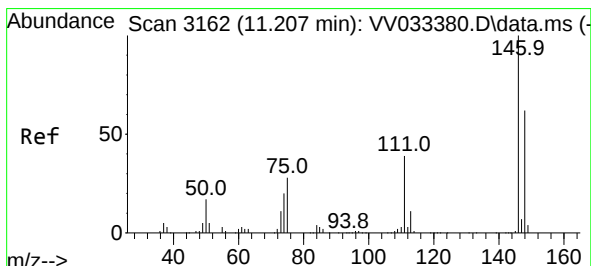
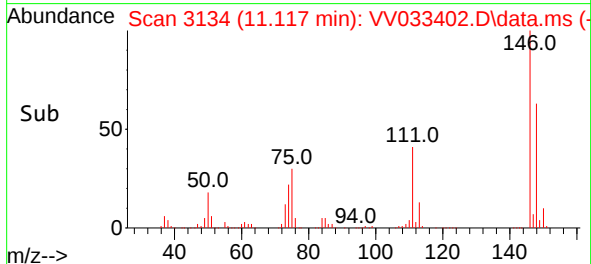
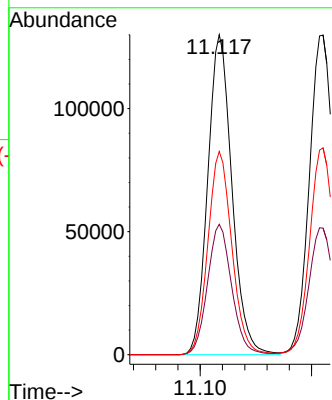
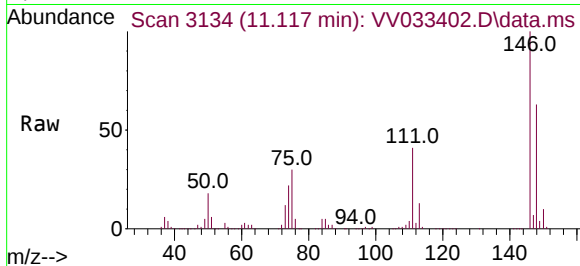




#64
1,3-Dichlorobenzene
Concen: 49.803 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

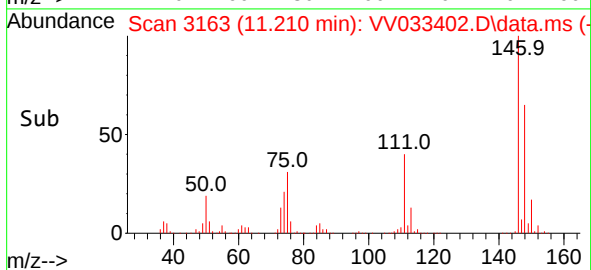
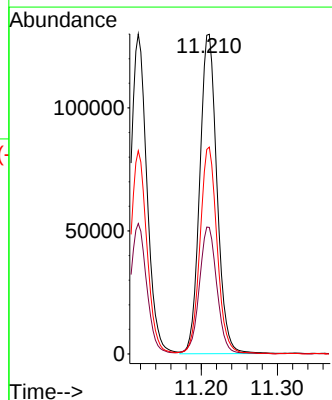
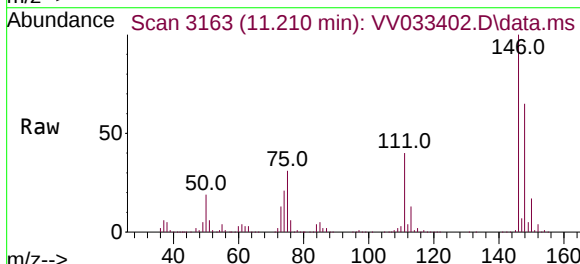
Instrument :
MSVOA_V
ClientSampleId :

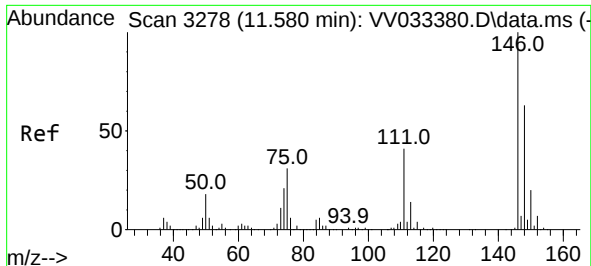
Tgt Ion:146 Resp: 196157
Ion Ratio Lower Upper
146 100
111 40.8 29.3 54.5
148 63.5 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 48.195 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

Tgt Ion:146 Resp: 204298
Ion Ratio Lower Upper
146 100
111 39.6 27.9 51.7
148 64.7 45.5 84.5





#67

1,2-Dichlorobenzene

Concen: 48.603 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

Instrument :

MSVOA_V

ClientSampleId :

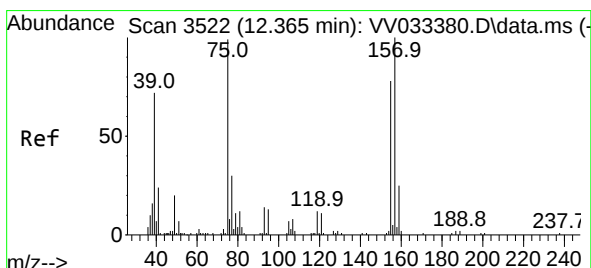
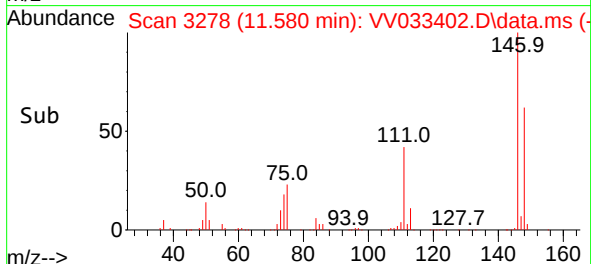
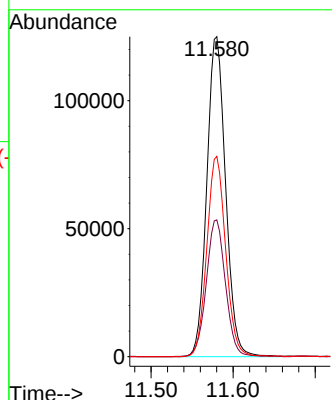
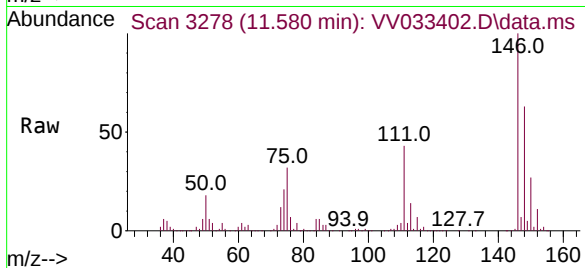
Tgt Ion:146 Resp: 199246

Ion Ratio Lower Upper

146 100

111 42.7 33.5 50.3

148 62.6 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 48.824 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033402.D

Acq: 16 Dec 2023 00:59

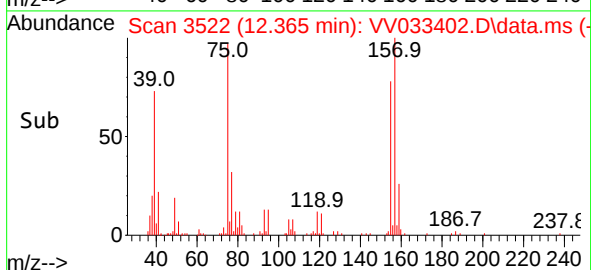
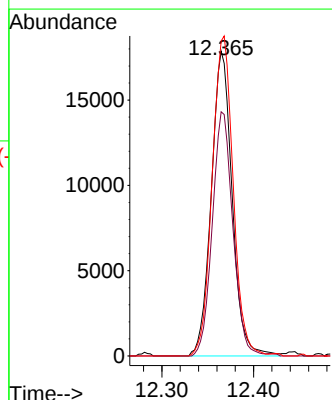
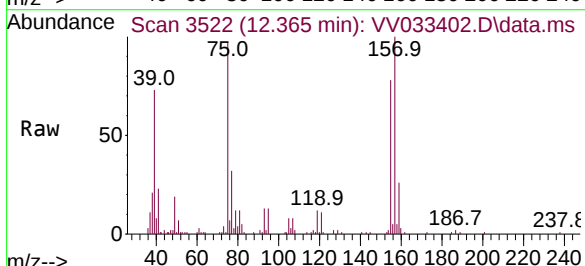
Tgt Ion: 75 Resp: 28289

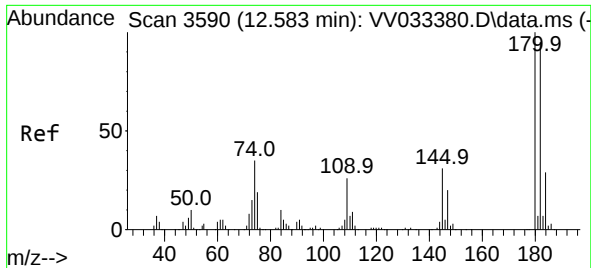
Ion Ratio Lower Upper

75 100

155 80.1 69.4 104.0

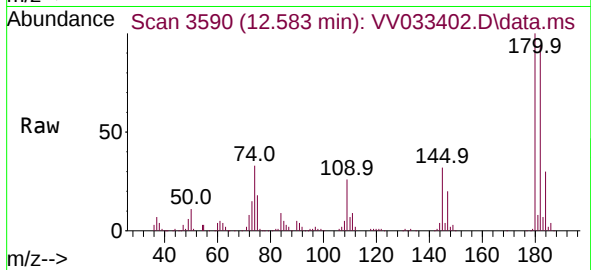
157 103.4 81.1 121.7



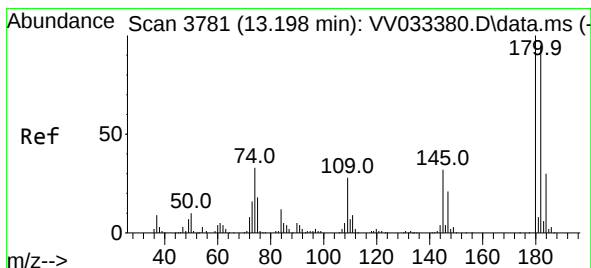
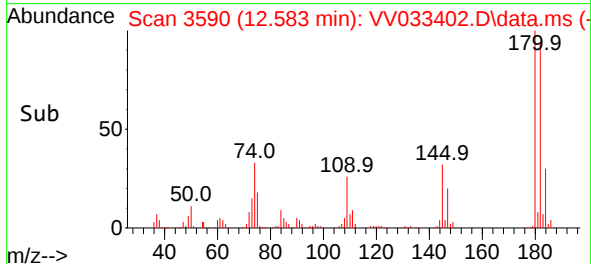
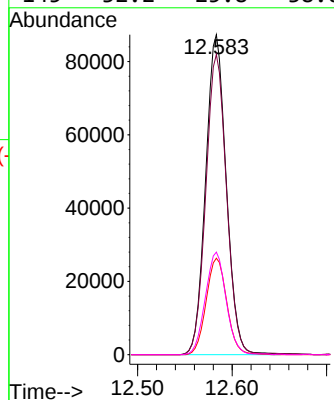


#69
 1,3,5-Trichlorobenzene
 Concen: 48.587 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. -0.000 min
 Lab File: VV033402.D
 Acq: 16 Dec 2023 00:59

Instrument :
 MSVOA_V
 ClientSampleId :

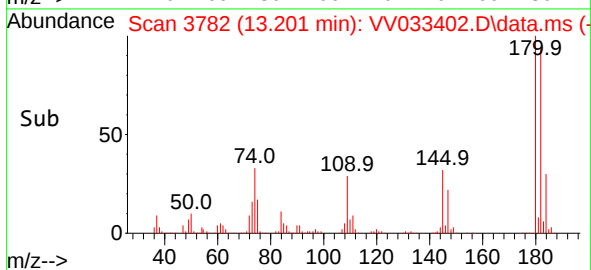
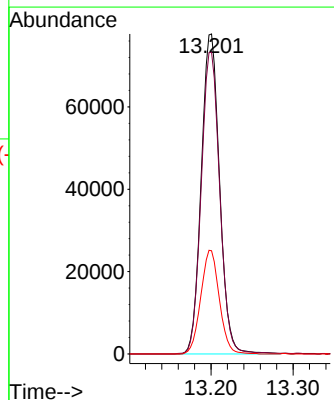
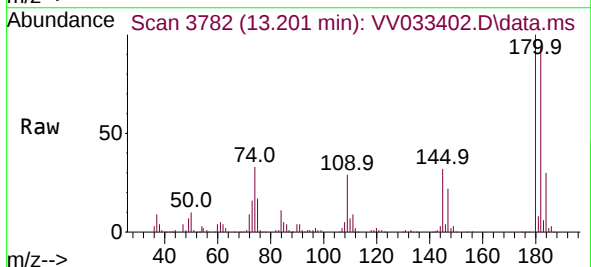


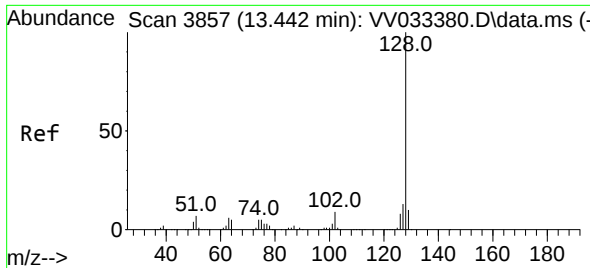
Tgt Ion:180 Resp: 132343
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.2 114.4
 184 30.2 24.4 36.6
 145 32.2 25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 50.637 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.003 min
 Lab File: VV033402.D
 Acq: 16 Dec 2023 00:59

Tgt Ion:180 Resp: 120567
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.1 114.1
 145 32.7 25.6 38.4

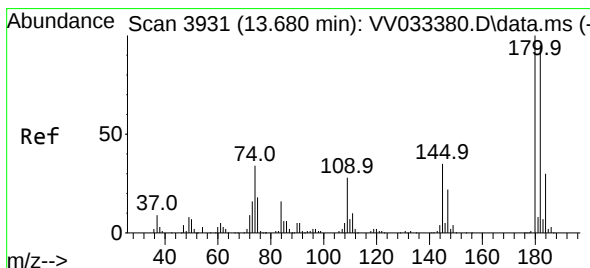
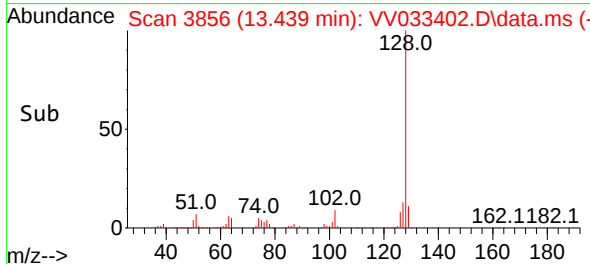
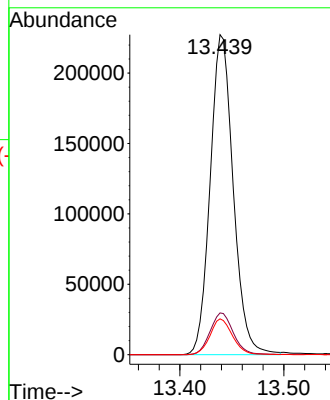
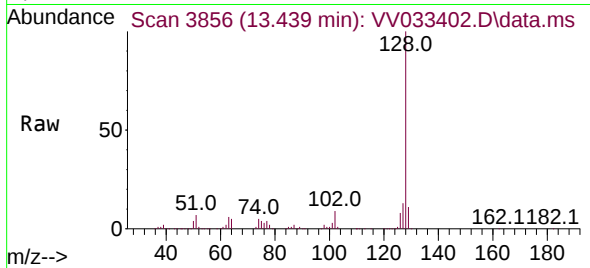




#71
Naphthalene
Concen: 54.675 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. -0.003 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 350256
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 54.452 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. -0.000 min
Lab File: VV033402.D
Acq: 16 Dec 2023 00:59

Tgt Ion:180 Resp: 126815
Ion Ratio Lower Upper
180 100
182 95.2 76.2 114.2
145 34.5 27.1 40.7

