

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102723\
 Data File : VV032678.D
 Acq On : 27 Oct 2023 12:32
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 28 00:11:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 28 00:03:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	155257	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	169758	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	88253	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	64421	5.052	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 101.000%		
7) Chloroethane-d5	1.532	69	55978	5.166	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 103.400%		
11) 1,1-Dichloroethene-d2	2.056	65	27355	4.779	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 95.600%		
20) 2-Butanone-d5	3.831	46	125177	45.461	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 90.920%		
24) Chloroform-d	4.252	84	108411	5.120	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 102.400%		
26) 1,2-Dichloroethane-d4	4.950	65	55114	5.272	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 105.400%		
32) Benzene-d6	4.963	84	215195	5.324	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 106.400%		
36) 1,2-Dichloropropane-d6	5.992	67	62277	5.321	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 106.400%		
41) Toluene-d8	7.246	98	224258	5.474	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 109.400%		
43) trans-1,3-Dichloroprop...	7.558	79	26975	5.223	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 104.400%		
46) 2-Hexanone-d5	8.030	63	115221	56.296	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 112.600%		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	55551	5.338	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 106.800%		
66) 1,2-Dichlorobenzene-d4	11.564	152	77176	5.355	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 107.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	78488	4.925	ug/L	100
3) Chloromethane	1.214	50	91340	4.858	ug/L	98
5) Vinyl chloride	1.281	62	93629	5.018	ug/L	98
6) Bromomethane	1.487	94	52577	4.829	ug/L	100
8) Chloroethane	1.548	64	59396	4.868	ug/L	99
9) Trichlorofluoromethane	1.712	101	122896	4.893	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	70631	4.768	ug/L	97
12) 1,1-Dichloroethene	2.069	96	67495	4.864	ug/L	94
13) Acetone	2.153	43	115892	42.634	ug/L	86
14) Carbon disulfide	2.236	76	220801	5.023	ug/L	99
15) Methyl Acetate	2.394	43	25287	4.645	ug/L #	81
16) Methylene chloride	2.445	84	85363	4.998	ug/L	94
17) Methyl tert-butyl Ether	2.709	73	154420	5.155	ug/L	99
18) trans-1,2-Dichloroethene	2.693	96	67588	4.926	ug/L	89
19) 1,1-Dichloroethane	3.111	63	120386	4.948	ug/L	99
21) 2-Butanone	3.912	43	170446	47.428	ug/L	95
22) cis-1,2-Dichloroethene	3.818	96	70731	5.084	ug/L	93
23) Bromochloromethane	4.150	128	32443	5.013	ug/L	97
25) Chloroform	4.281	83	127267	4.812	ug/L	99

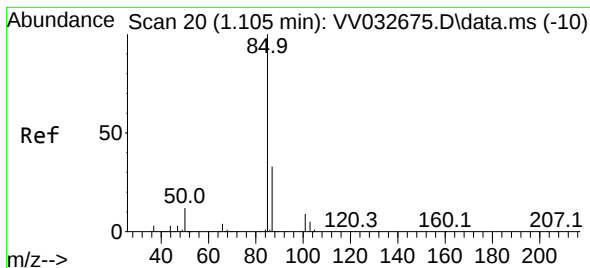
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102723\
 Data File : VW032678.D
 Acq On : 27 Oct 2023 12:32
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 28 00:11:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 28 00:03:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	79981	4.865	ug/L	98
29) 1,1,1-Trichloroethane	4.516	97	109210	4.987	ug/L	99
30) Cyclohexane	4.580	56	96678	5.239	ug/L	99
31) Carbon tetrachloride	4.738	117	95617	5.019	ug/L	97
33) Benzene	5.011	78	275024	5.140	ug/L	100
34) Trichloroethene	5.834	95	70206	4.911	ug/L	98
35) Methylcyclohexane	6.050	83	100702	4.714	ug/L	91
37) 1,2-Dichloropropane	6.095	63	64913	5.028	ug/L	98
38) Bromodichloromethane	6.436	83	86767	4.549	ug/L	100
39) cis-1,3-Dichloropropene	6.956	75	106857	5.436	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	461067	55.342	ug/L	99
42) Toluene	7.317	91	330678	5.319	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	90850	5.371	ug/L	94
45) 1,1,2-Trichloroethane	7.773	97	54605	5.007	ug/L	99
47) Tetrachloroethene	7.908	164	62683	4.962	ug/L	97
48) 2-Hexanone	8.082	43	333819	54.783	ug/L	99
49) Dibromochloromethane	8.178	129	65865	5.092	ug/L	98
50) 1,2-Dibromoethane	8.284	107	51955	5.105	ug/L #	97
51) Chlorobenzene	8.815	112	207575	5.054	ug/L	99
52) Ethylbenzene	8.950	91	348754	5.336	ug/L	99
53) m,p-Xylene	9.075	106	131119	5.298	ug/L	96
54) o-Xylene	9.480	106	129257	5.385	ug/L	95
55) Styrene	9.500	104	224326	5.640	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	66314	5.213	ug/L	98
59) Bromoform	9.667	173	36264	5.237	ug/L	99
60) Isopropylbenzene	9.870	105	324685	5.421	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	45338	4.858	ug/L	95
62) 1,3,5-Trimethylbenzene	10.477	105	262964	5.371	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	266309	5.504	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	168469	5.242	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	165856	5.199	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	156130	5.282	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	10557	4.733	ug/L	90
69) 1,3,5-Trichlorobenzene	12.586	180	118593	5.170	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	103726	5.329	ug/L	99
71) Naphthalene	13.442	128	192289	6.233	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	100655	5.881	ug/L	99

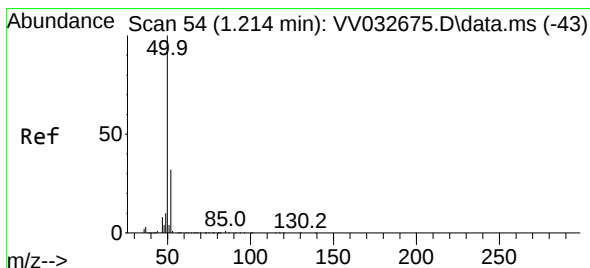
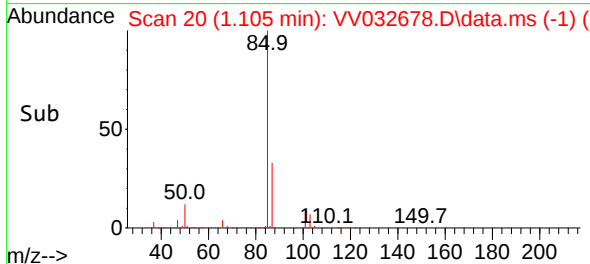
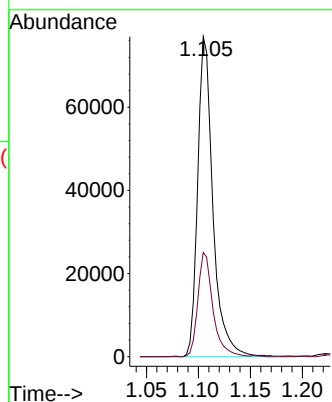
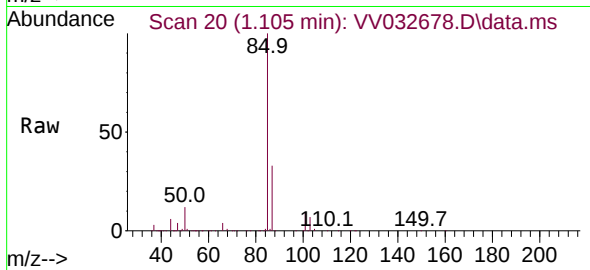
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.925 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032678.D
 Acq: 27 Oct 2023 12:32

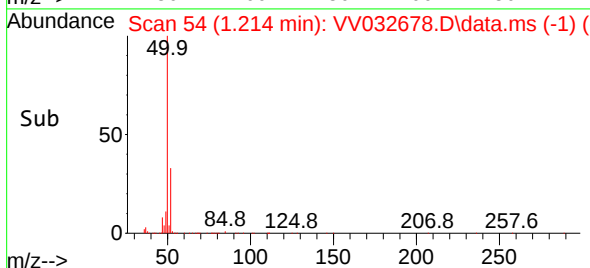
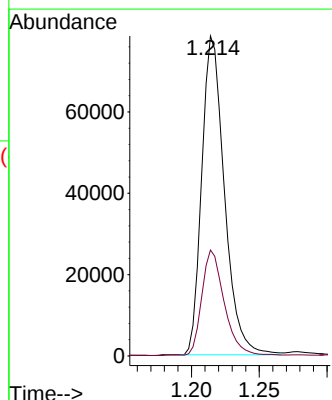
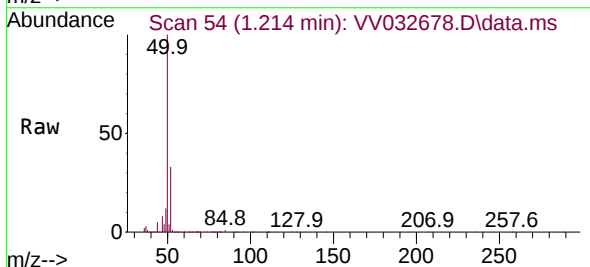
Instrument :
 MSVOA_V
 ClientSampleId :

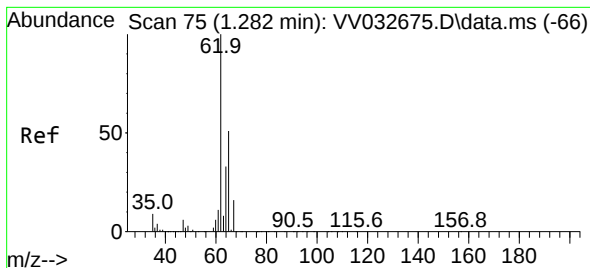
Tgt Ion: 85 Resp: 78488
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.9 38.9



#3
 Chloromethane
 Concen: 4.858 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV032678.D
 Acq: 27 Oct 2023 12:32

Tgt Ion: 50 Resp: 91340
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.3 41.5





#5

Vinyl chloride

Concen: 5.018 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

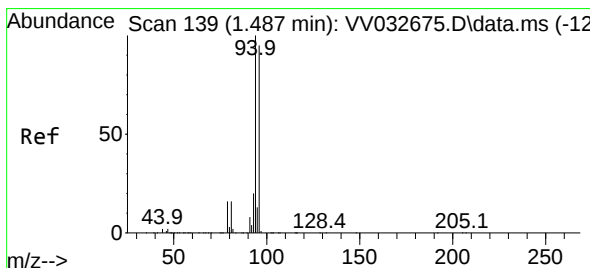
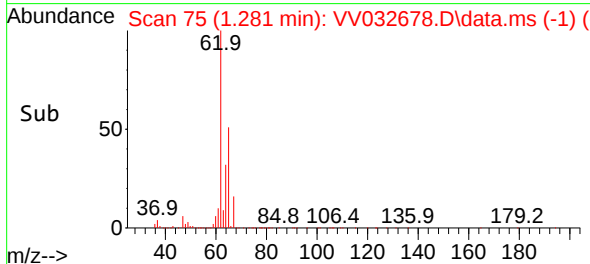
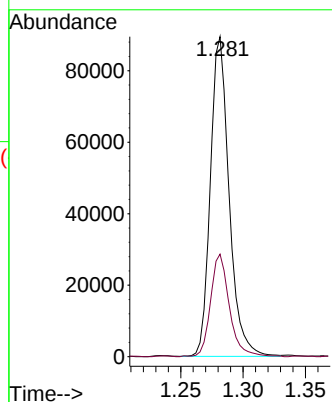
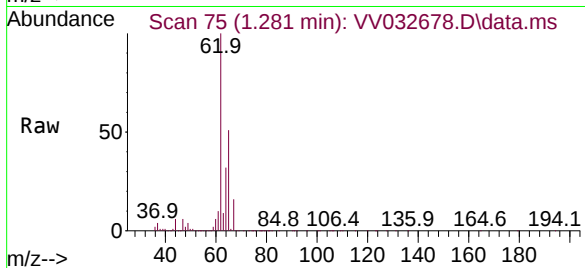
ClientSampleId :

Tgt Ion: 62 Resp: 93629

Ion Ratio Lower Upper

62 100

64 32.1 23.2 43.0



#6

Bromomethane

Concen: 4.829 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV032678.D

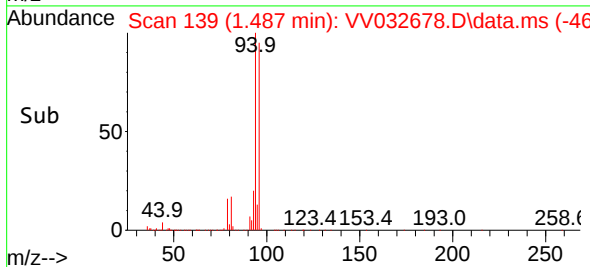
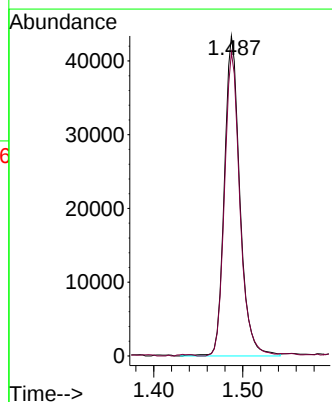
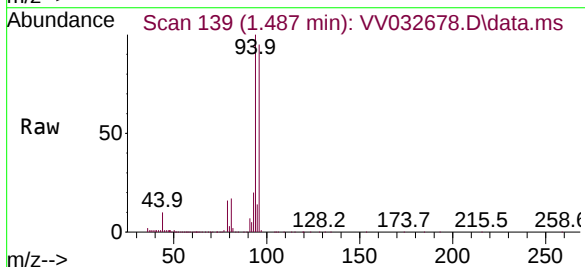
Acq: 27 Oct 2023 12:32

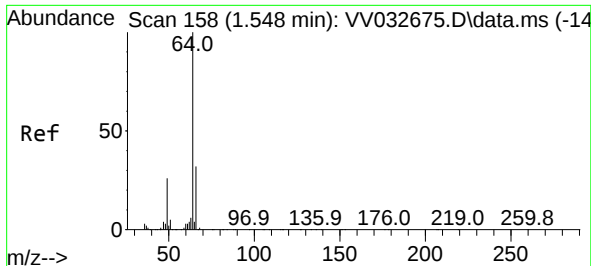
Tgt Ion: 94 Resp: 52577

Ion Ratio Lower Upper

94 100

96 94.8 66.4 123.2

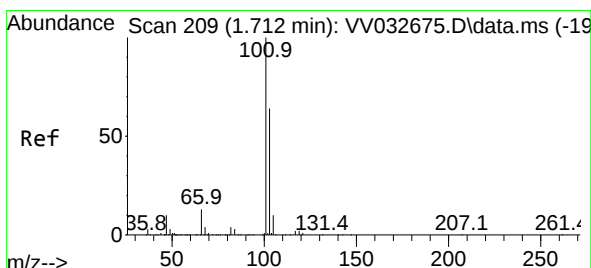
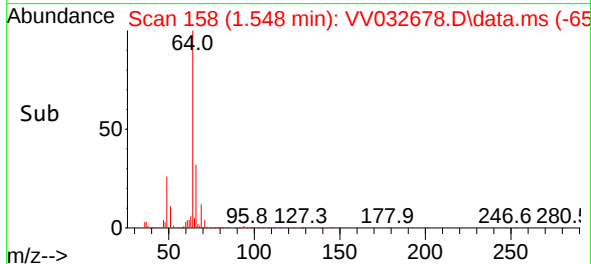
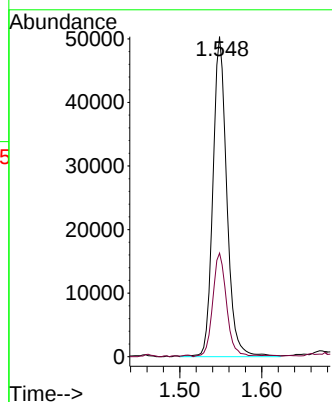
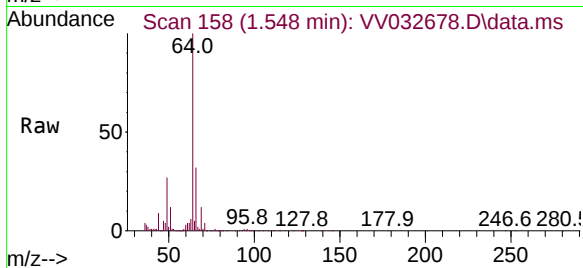




#8
Chloroethane
Concen: 4.868 ug/L
RT: 1.548 min Scan# 158
Delta R.T. -0.000 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

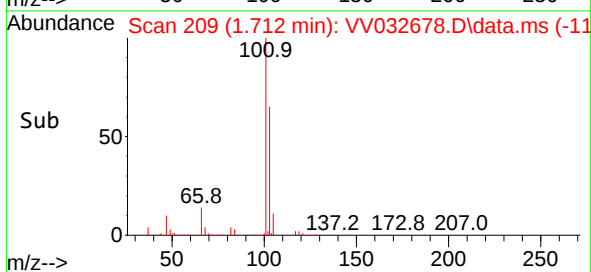
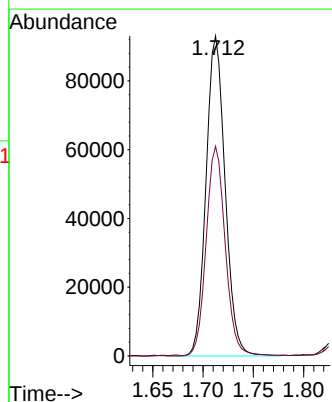
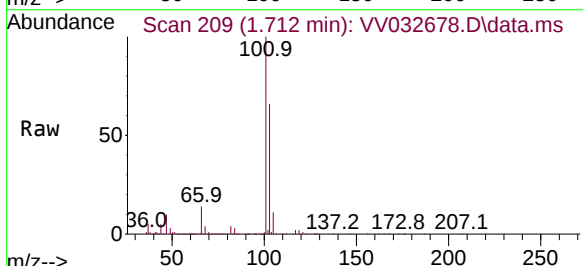
Instrument :
MSVOA_V
ClientSampleId :

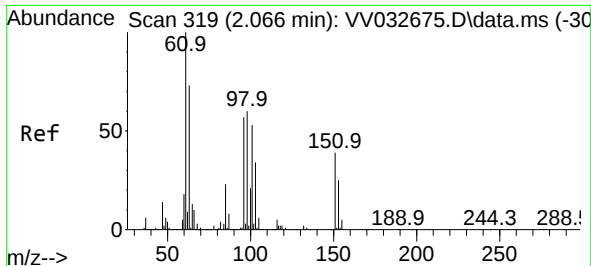
Tgt Ion: 64 Resp: 59396
Ion Ratio Lower Upper
64 100
66 32.3 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.893 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

Tgt Ion: 101 Resp: 122896
Ion Ratio Lower Upper
101 100
103 65.0 52.1 78.1

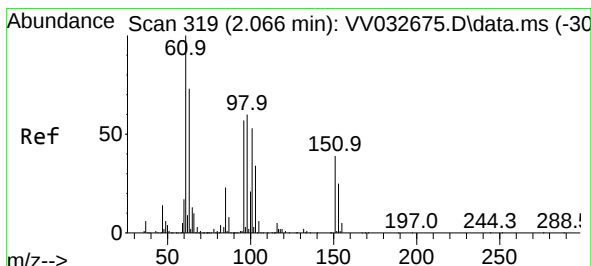
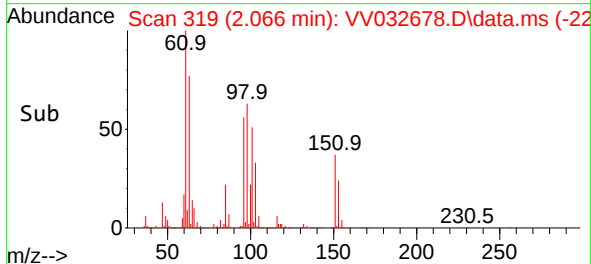
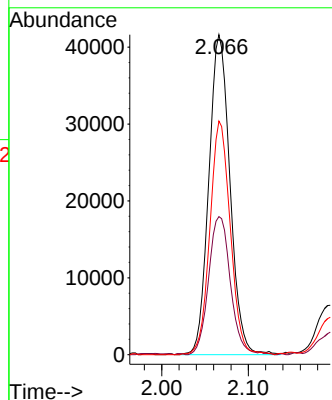
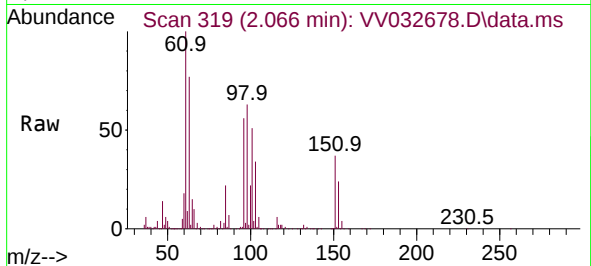




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.768 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV032678.D
 Acq: 27 Oct 2023 12:32

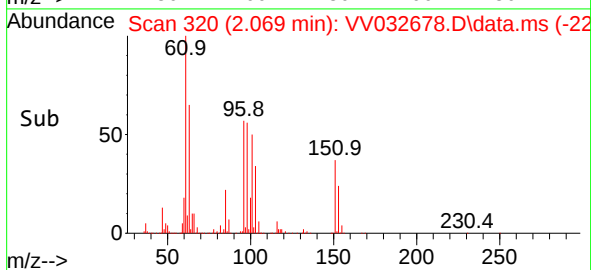
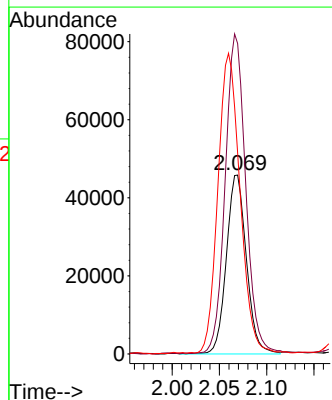
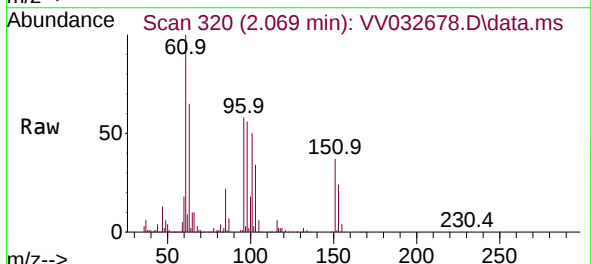
Instrument :
 MSVOA_V
 ClientSampleId :

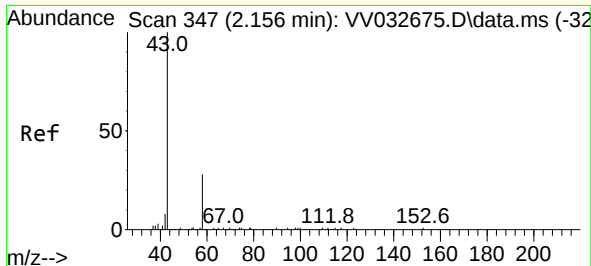
Tgt Ion:101 Resp: 70631
 Ion Ratio Lower Upper
 101 100
 85 44.5 36.2 54.4
 151 70.4 59.0 88.6



#12
 1,1-Dichloroethene
 Concen: 4.864 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.003 min
 Lab File: VV032678.D
 Acq: 27 Oct 2023 12:32

Tgt Ion: 96 Resp: 67495
 Ion Ratio Lower Upper
 96 100
 61 173.4 122.3 227.1
 63 112.3 89.4 166.0





#13

Acetone

Concen: 42.634 ug/L

RT: 2.153 min Scan# 347

Delta R.T. -0.003 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

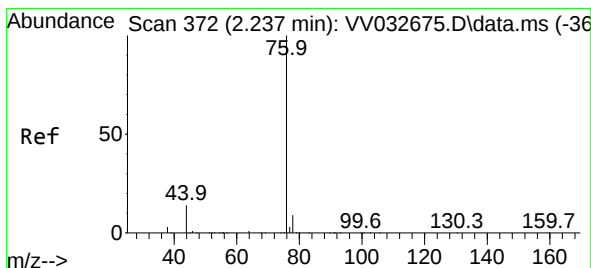
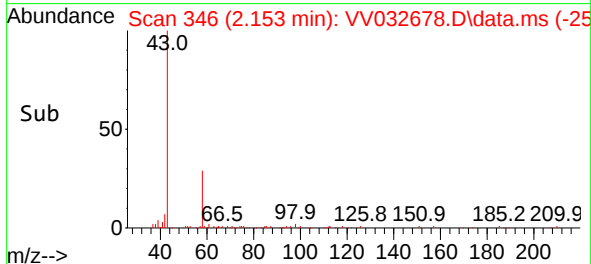
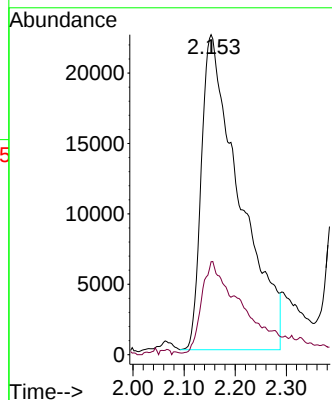
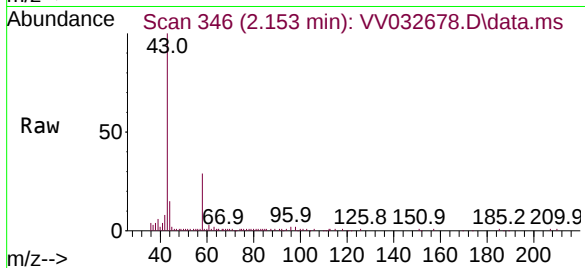
ClientSampleId :

Tgt Ion: 43 Resp: 115892

Ion Ratio Lower Upper

43 100

58 18.0 0.0 50.6



#14

Carbon disulfide

Concen: 5.023 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.000 min

Lab File: VV032678.D

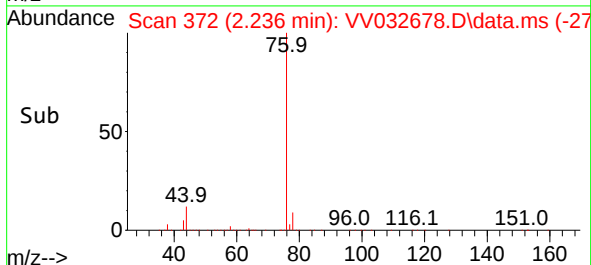
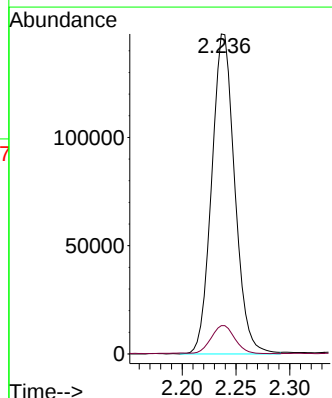
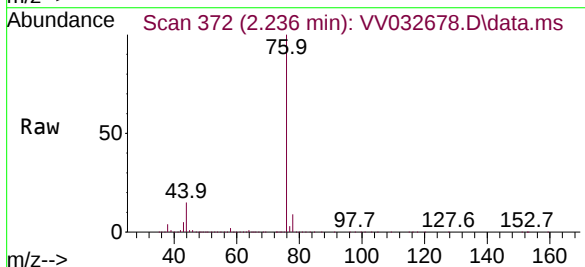
Acq: 27 Oct 2023 12:32

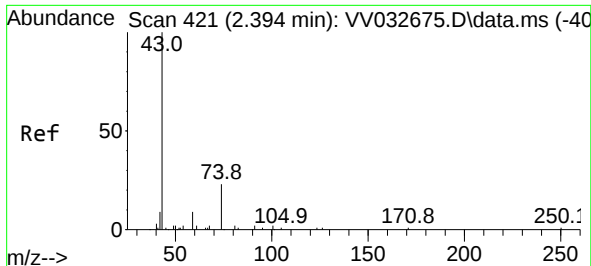
Tgt Ion: 76 Resp: 220801

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

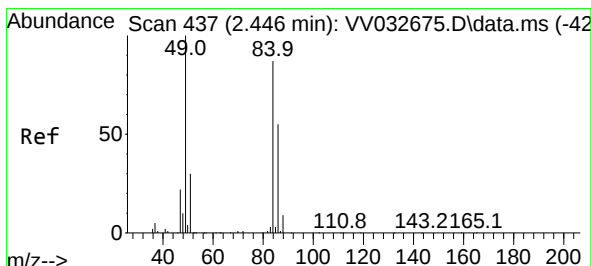
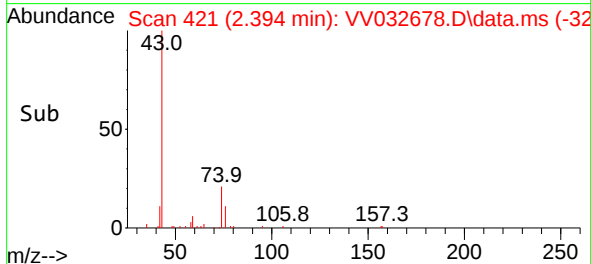
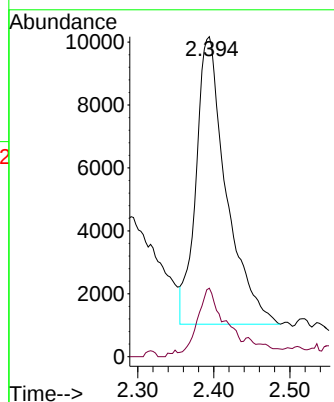
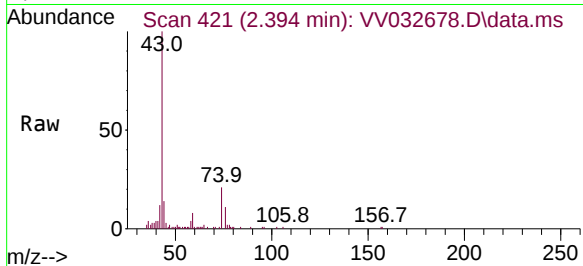




#15
Methyl Acetate
Concen: 4.645 ug/L
RT: 2.394 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

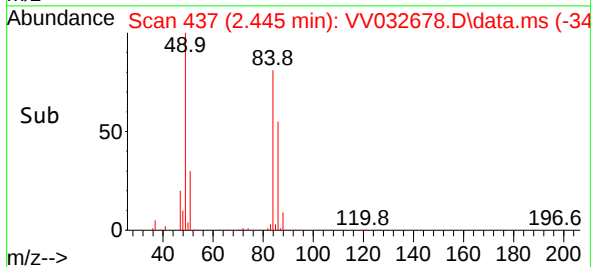
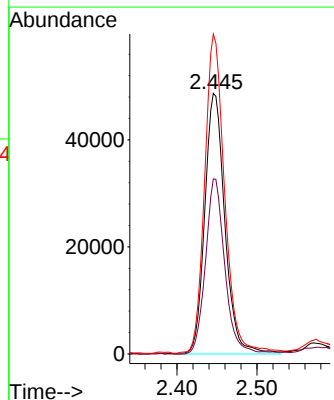
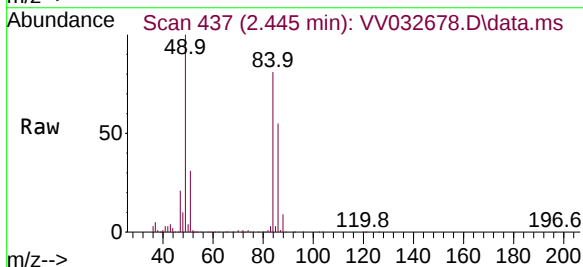
Instrument :
MSVOA_V
ClientSampleId :

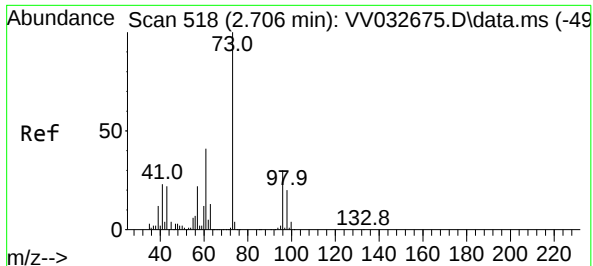
Tgt Ion: 43 Resp: 25287
Ion Ratio Lower Upper
43 100
74 18.6 23.1 34.7#



#16
Methylene chloride
Concen: 4.998 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

Tgt Ion: 84 Resp: 85363
Ion Ratio Lower Upper
84 100
86 67.2 44.8 83.2
49 122.8 81.1 150.5





#17

Methyl tert-butyl Ether

Concen: 5.155 ug/L

RT: 2.709 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

ClientSampleId :

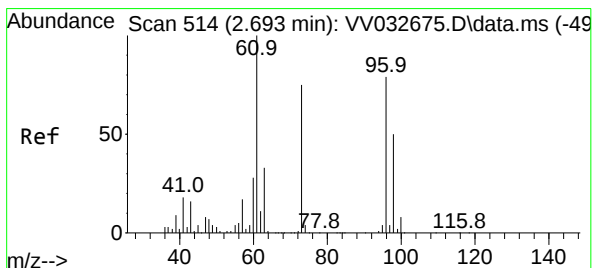
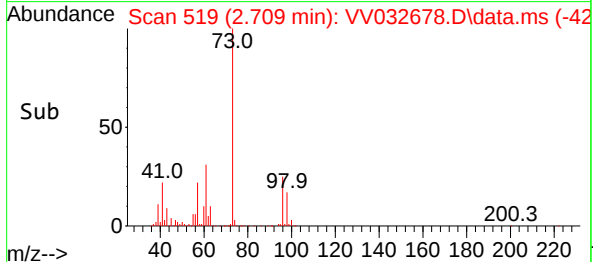
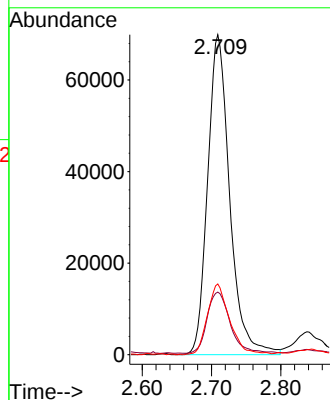
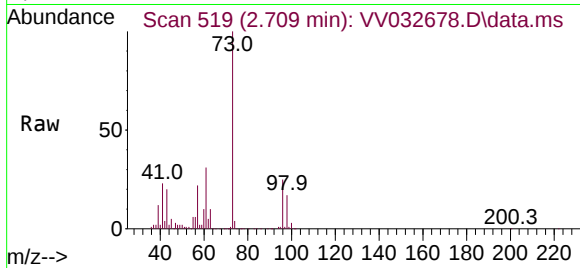
Tgt Ion: 73 Resp: 154420

Ion Ratio Lower Upper

73 100

43 20.1 16.6 24.8

57 22.2 18.1 27.1



#18

trans-1,2-Dichloroethene

Concen: 4.926 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

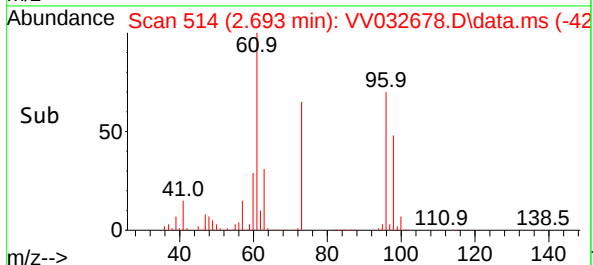
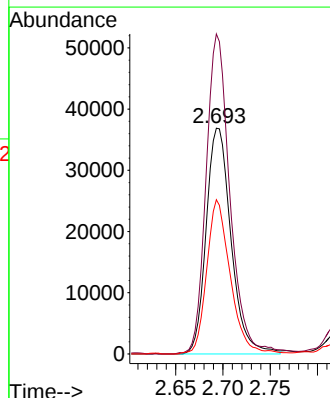
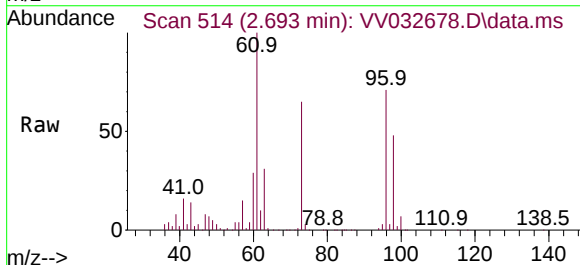
Tgt Ion: 96 Resp: 67588

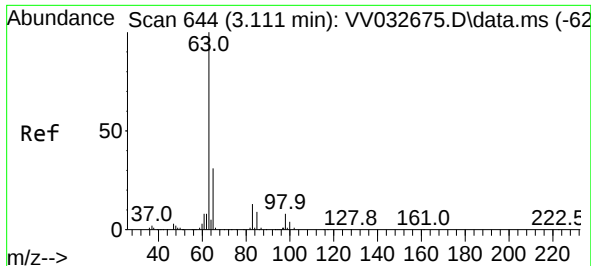
Ion Ratio Lower Upper

96 100

61 141.7 88.7 164.7

98 68.3 44.4 82.4

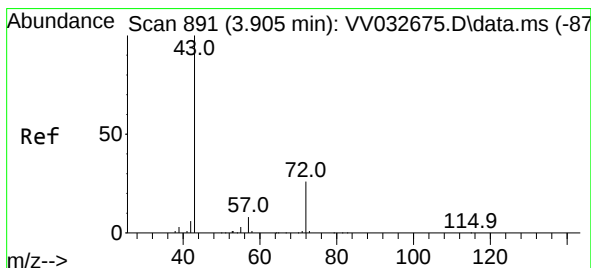
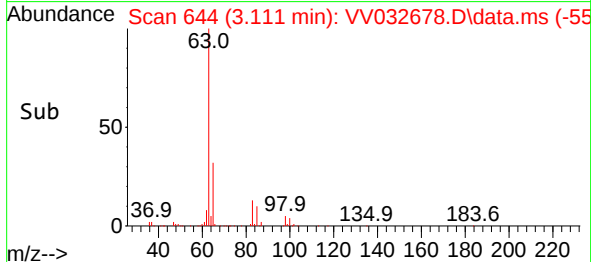
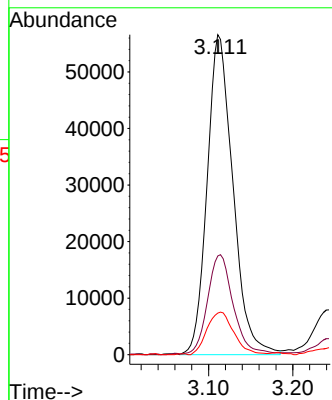
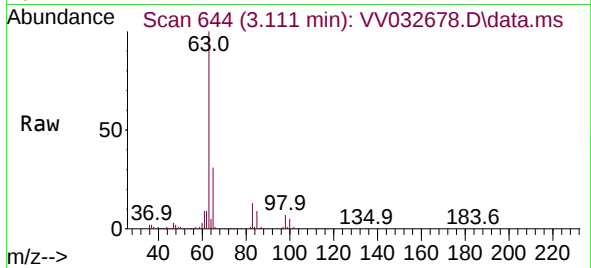




#19
1,1-Dichloroethane
Concen: 4.948 ug/L
RT: 3.111 min Scan# 644
Delta R.T. -0.000 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

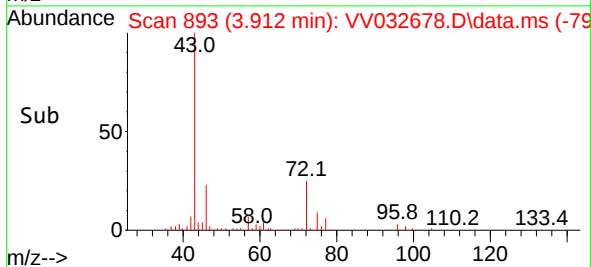
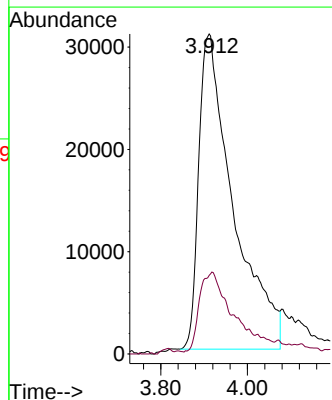
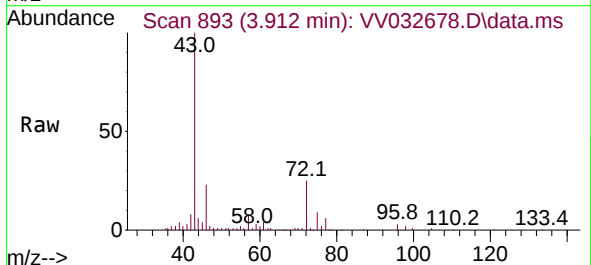
Instrument :
MSVOA_V
ClientSampleId :

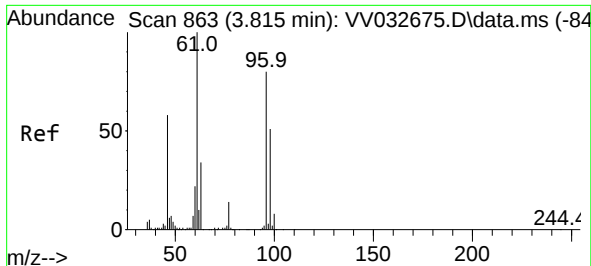
Tgt Ion: 63 Resp: 120386
Ion Ratio Lower Upper
63 100
65 31.6 21.5 39.9
83 13.0 9.2 17.0



#21
2-Butanone
Concen: 47.428 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.006 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

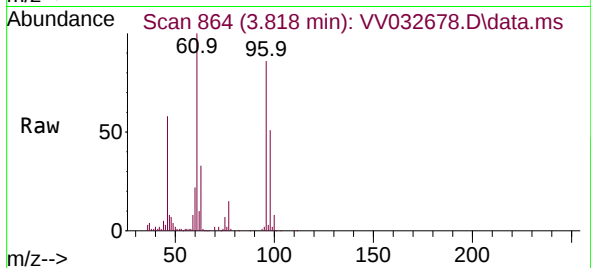
Tgt Ion: 43 Resp: 170446
Ion Ratio Lower Upper
43 100
72 23.2 10.4 31.2





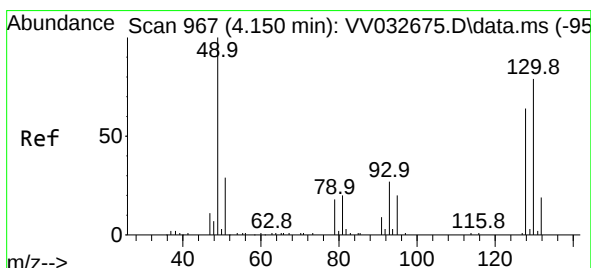
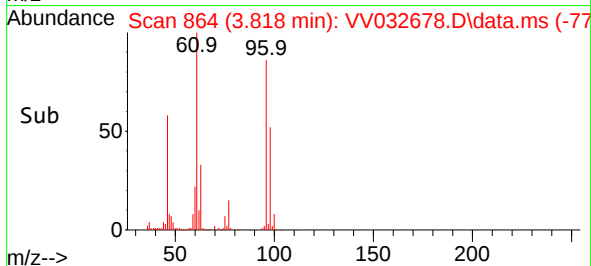
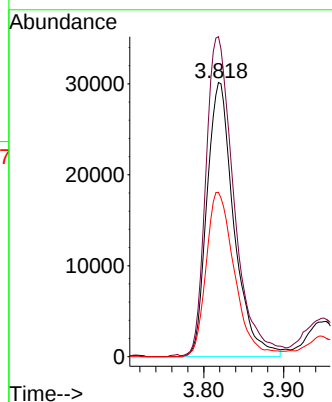
#22
 cis-1,2-Dichloroethene
 Concen: 5.084 ug/L
 RT: 3.818 min Scan# 863
 Delta R.T. 0.003 min
 Lab File: VV032678.D
 Acq: 27 Oct 2023 12:32

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 70731

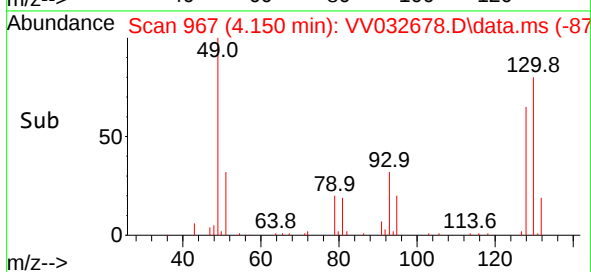
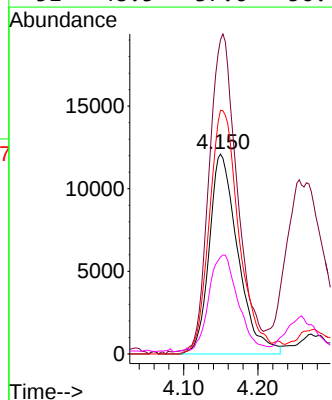
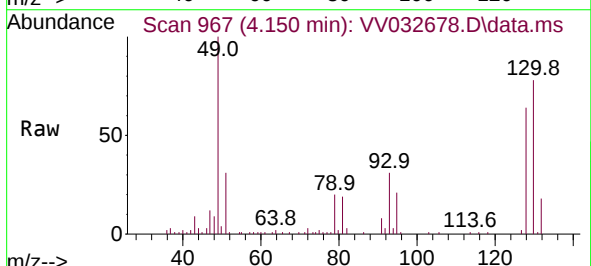
Ion	Ratio	Lower	Upper
96	100		
61	116.7	87.7	162.9
98	59.9	45.0	83.6

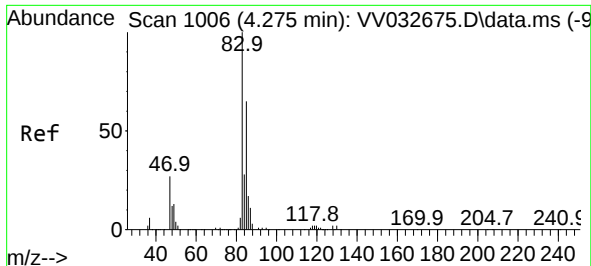


#23
 Bromochloromethane
 Concen: 5.013 ug/L
 RT: 4.150 min Scan# 967
 Delta R.T. -0.000 min
 Lab File: VV032678.D
 Acq: 27 Oct 2023 12:32

Tgt Ion: 128 Resp: 32443

Ion	Ratio	Lower	Upper
128	100		
49	163.0	110.4	205.0
130	121.9	86.8	161.2
51	48.5	37.6	56.4





#25

Chloroform

Concen: 4.812 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.006 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

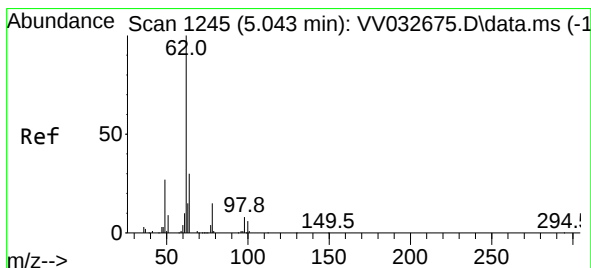
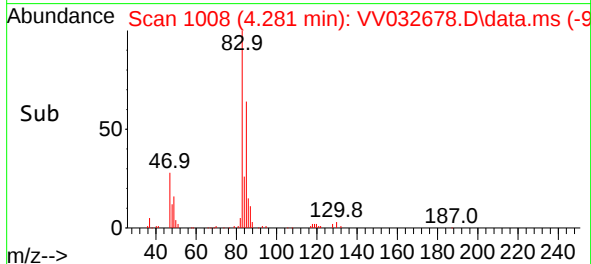
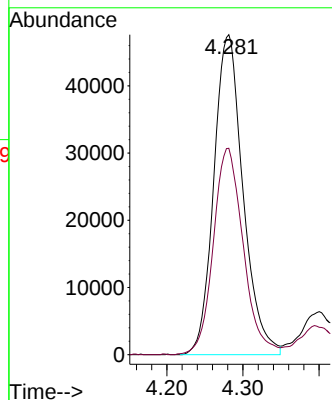
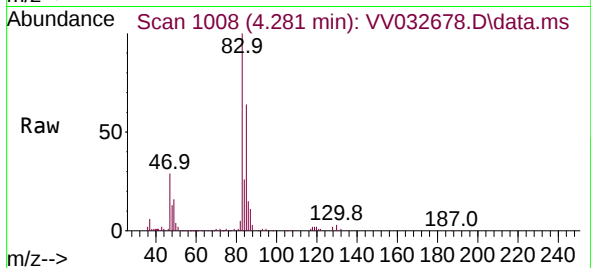
ClientSampleId :

Tgt Ion: 83 Resp: 127267

Ion Ratio Lower Upper

83 100

85 64.5 45.7 84.9



#27

1,2-Dichloroethane

Concen: 4.865 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV032678.D

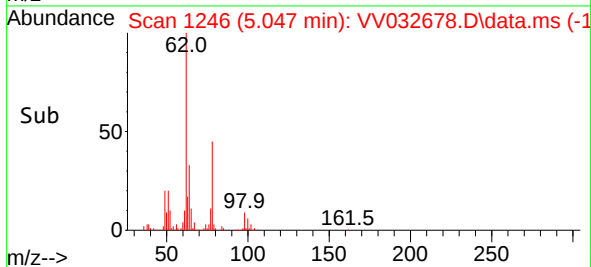
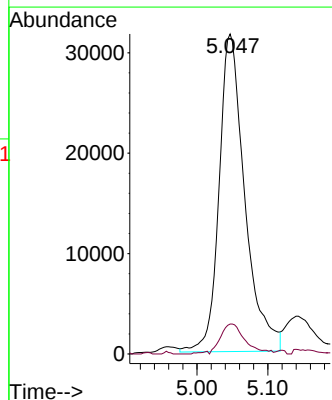
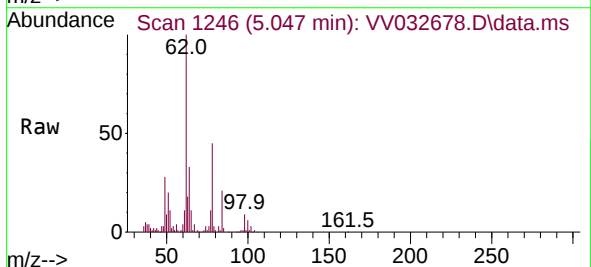
Acq: 27 Oct 2023 12:32

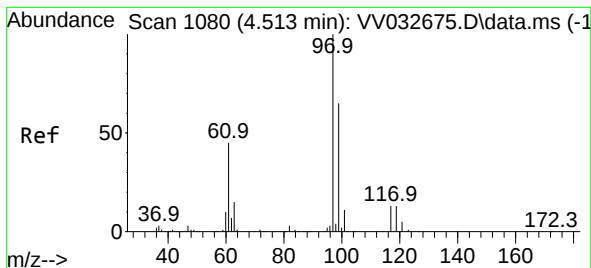
Tgt Ion: 62 Resp: 79981

Ion Ratio Lower Upper

62 100

98 9.3 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 4.987 ug/L

RT: 4.516 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

ClientSampleId :

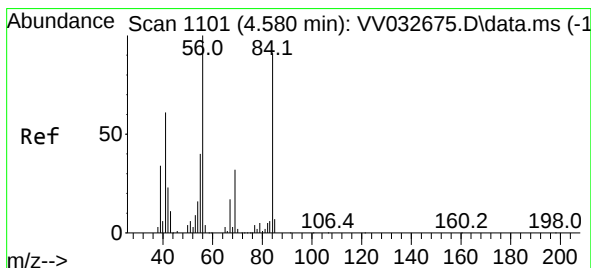
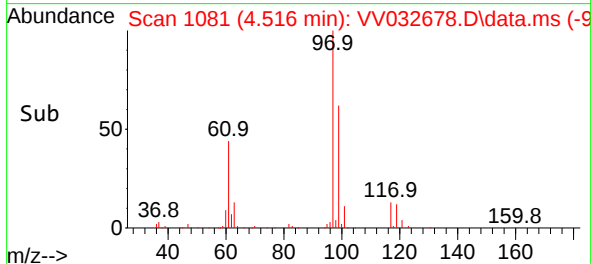
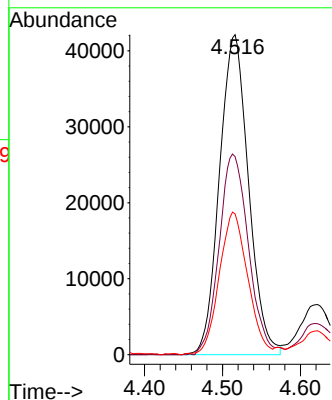
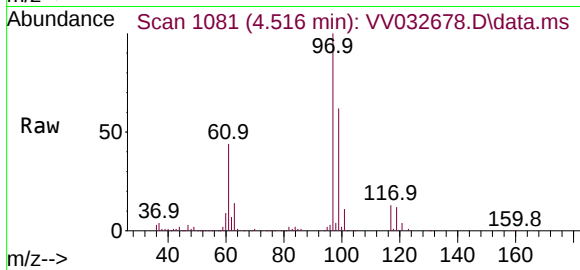
Tgt Ion: 97 Resp: 109210

Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.0

61 43.6 36.1 54.1



#30

Cyclohexane

Concen: 5.239 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

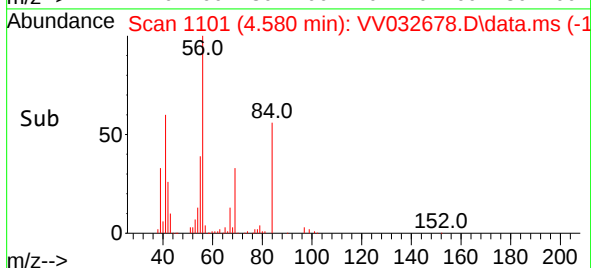
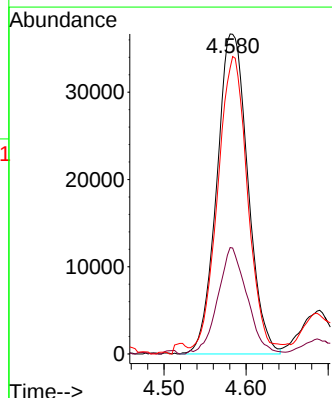
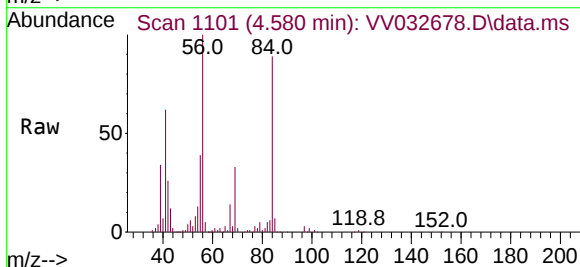
Tgt Ion: 56 Resp: 96678

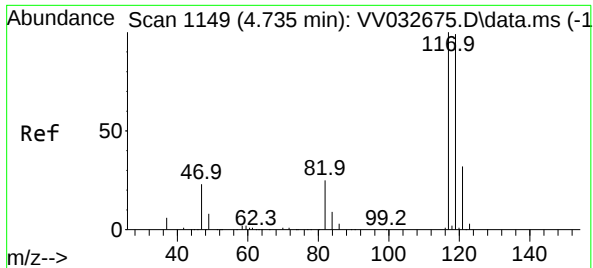
Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.6

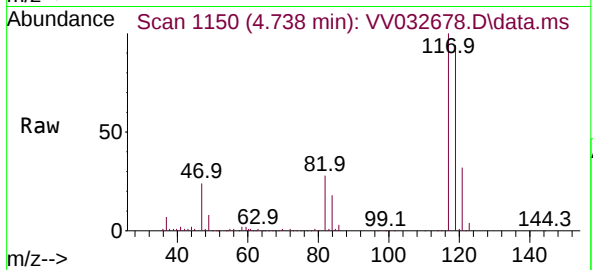
84 90.3 72.9 109.3



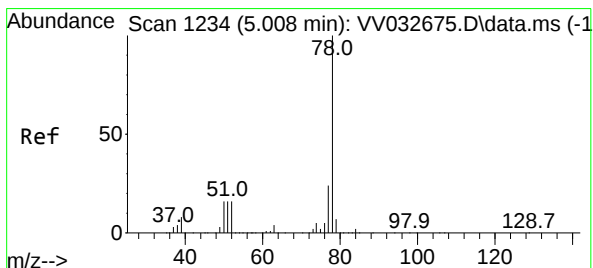
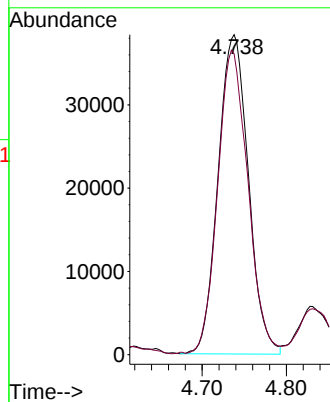
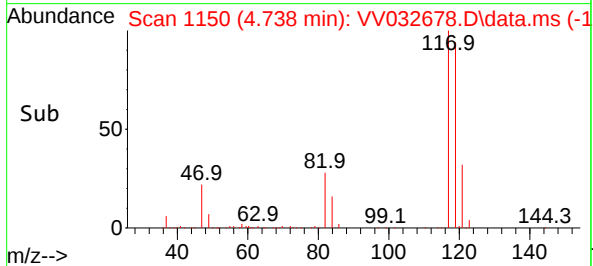


#31
Carbon tetrachloride
Concen: 5.019 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

Instrument :
MSVOA_V
ClientSampleId :

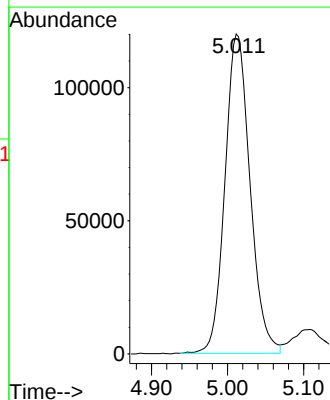
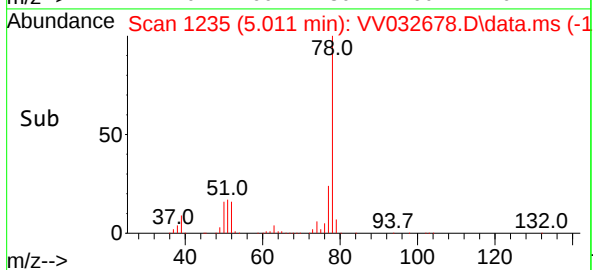
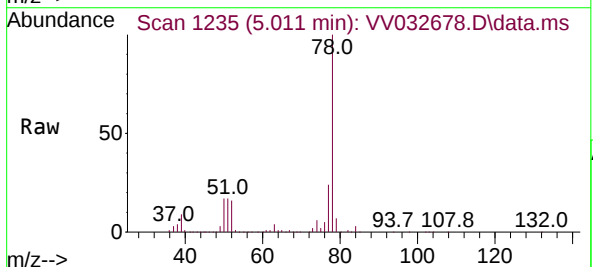


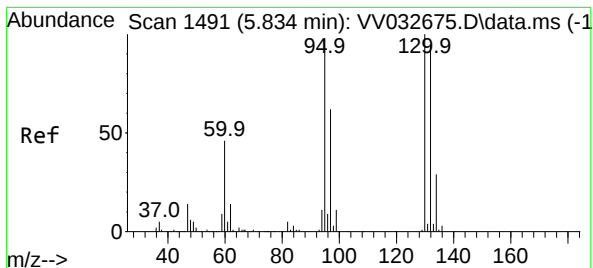
Tgt Ion:117 Resp: 95617
Ion Ratio Lower Upper
117 100
119 94.4 77.8 116.6



#33
Benzene
Concen: 5.140 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

Tgt Ion: 78 Resp: 275024





#34

Trichloroethene

Concen: 4.911 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

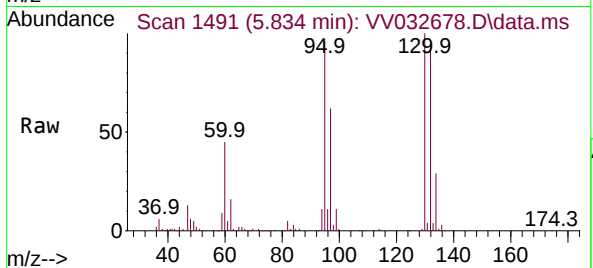
Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 70206

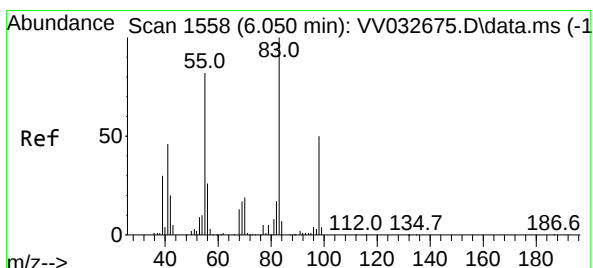
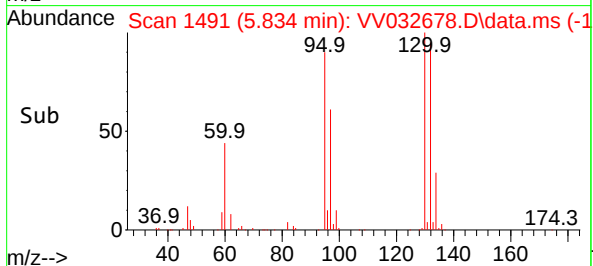
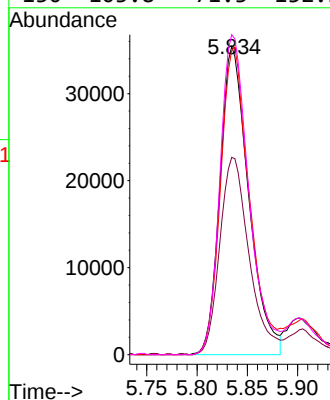
Ion Ratio Lower Upper

95 100

97 64.0 44.0 81.8

132 98.8 66.9 124.3

130 103.8 71.3 132.3



#35

Methylcyclohexane

Concen: 4.714 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

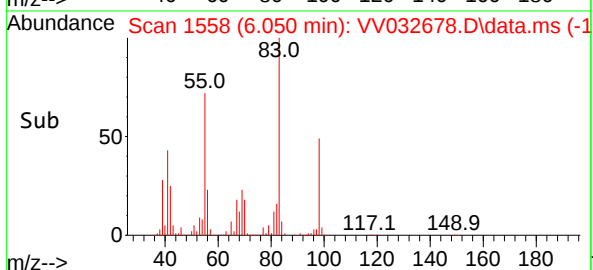
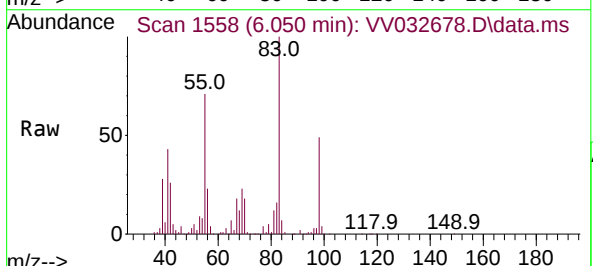
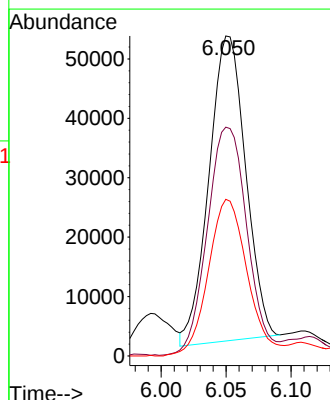
Tgt Ion: 83 Resp: 100702

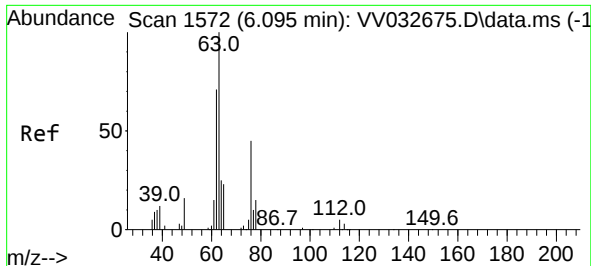
Ion Ratio Lower Upper

83 100

55 81.6 59.6 89.4

98 54.8 39.1 58.7





#37

1,2-Dichloropropane

Concen: 5.028 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

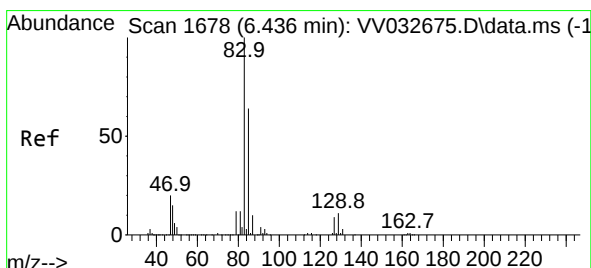
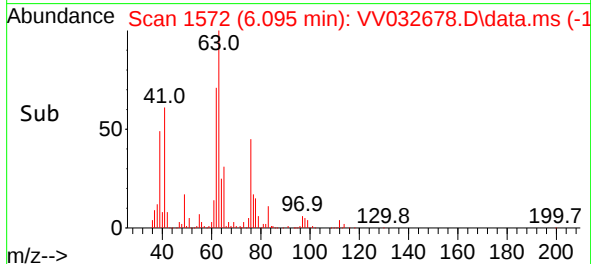
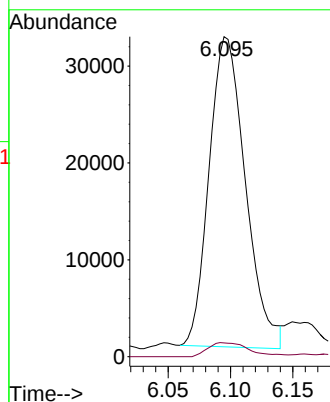
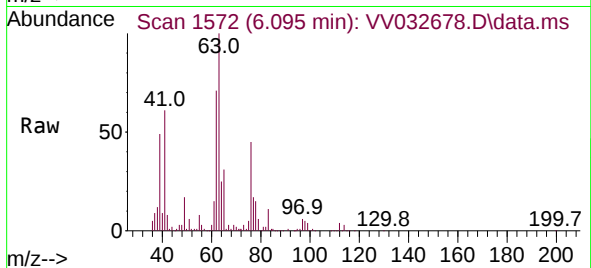
ClientSampleId :

Tgt Ion: 63 Resp: 64913

Ion Ratio Lower Upper

63 100

112 5.2 4.6 7.0



#38

Bromodichloromethane

Concen: 4.549 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

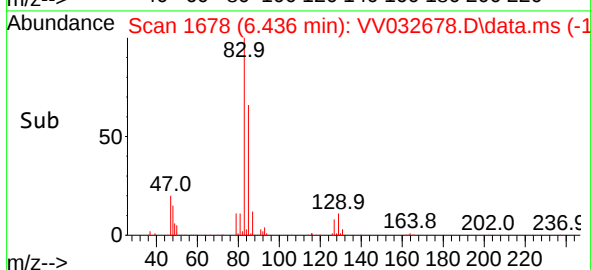
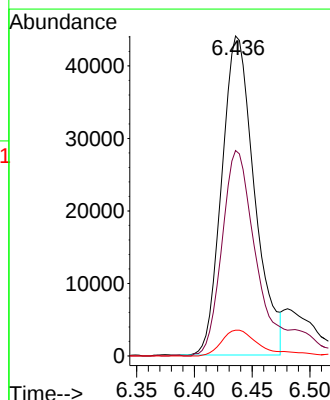
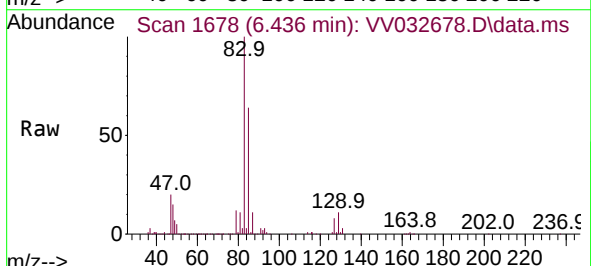
Tgt Ion: 83 Resp: 86767

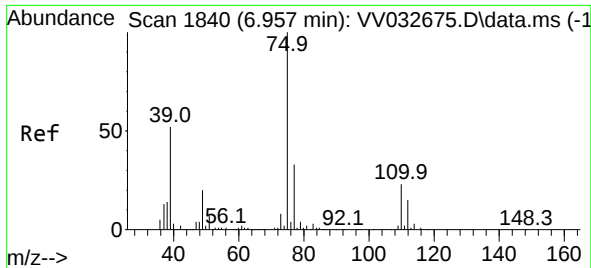
Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

127 8.0 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.436 ug/L

RT: 6.956 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

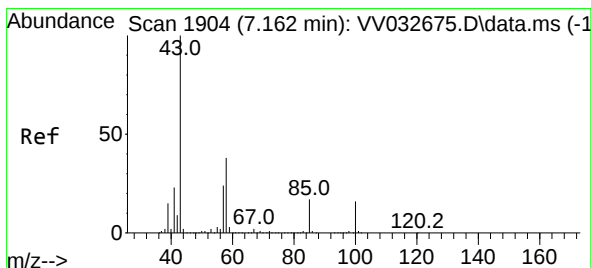
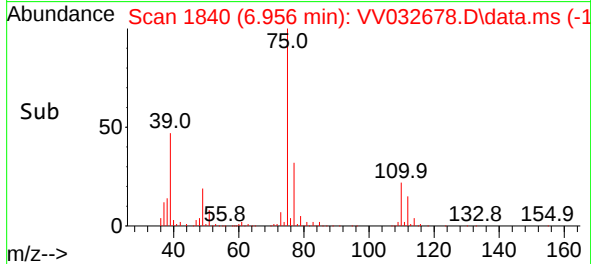
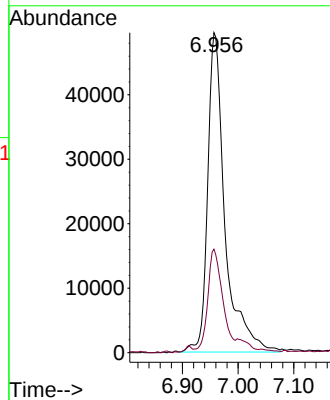
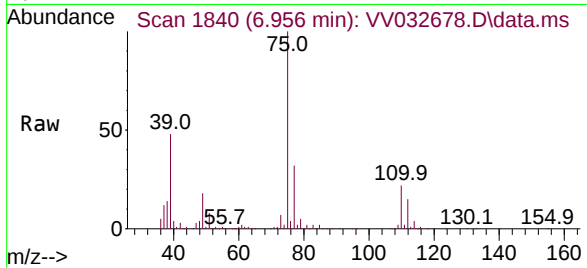
ClientSampleId :

Tgt Ion: 75 Resp: 106857

Ion Ratio Lower Upper

75 100

77 32.3 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 55.342 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

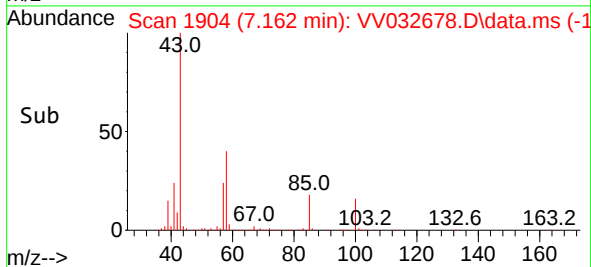
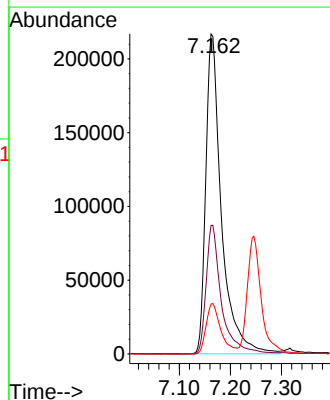
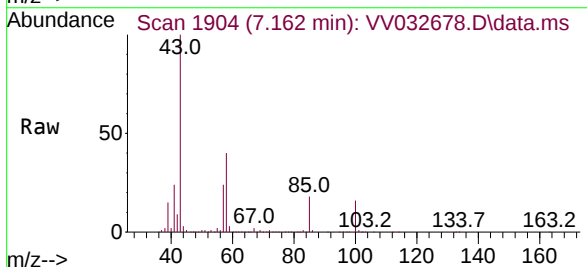
Tgt Ion: 43 Resp: 461067

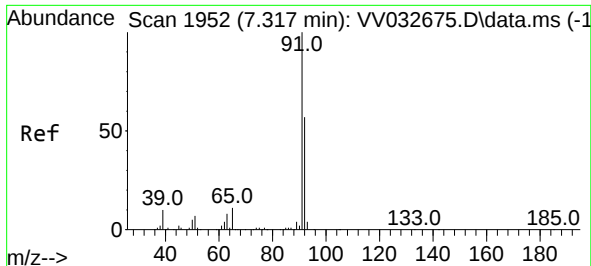
Ion Ratio Lower Upper

43 100

58 39.4 31.3 46.9

100 15.0 12.2 18.4

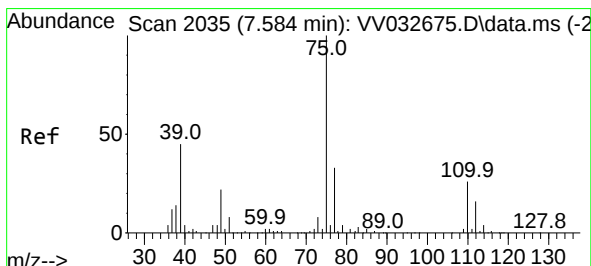
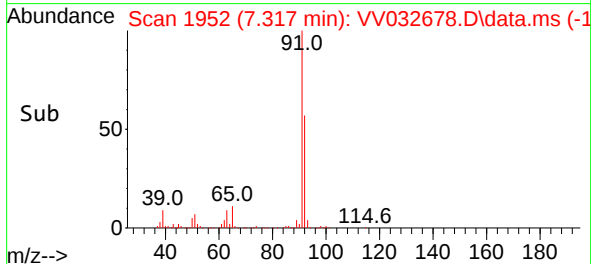
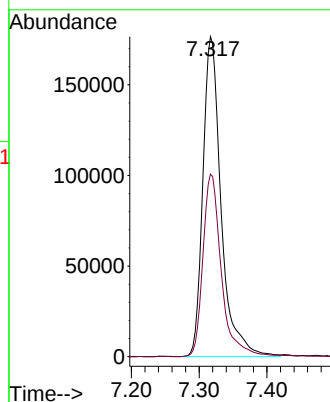
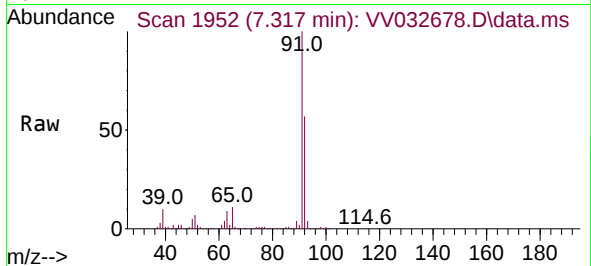




#42
Toluene
Concen: 5.319 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

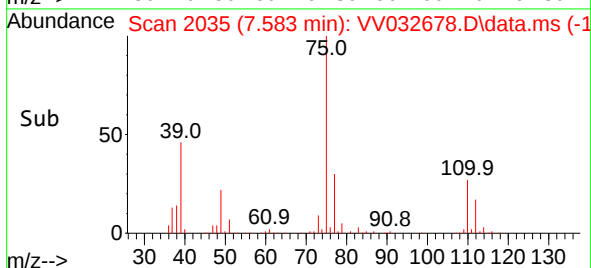
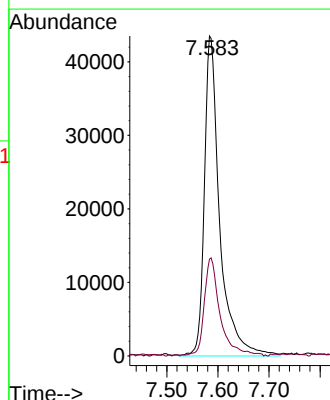
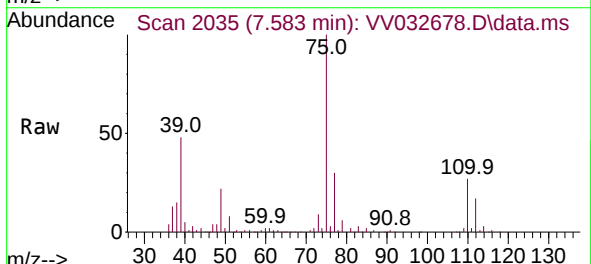
Instrument :
MSVOA_V
ClientSampleId :

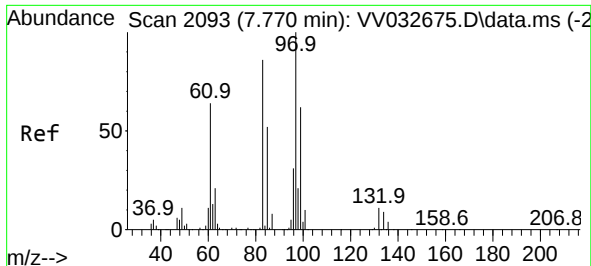
Tgt Ion: 91 Resp: 330678
Ion Ratio Lower Upper
91 100
92 57.1 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 5.371 ug/L
RT: 7.583 min Scan# 2035
Delta R.T. -0.000 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

Tgt Ion: 75 Resp: 90850
Ion Ratio Lower Upper
75 100
77 30.3 23.4 43.4

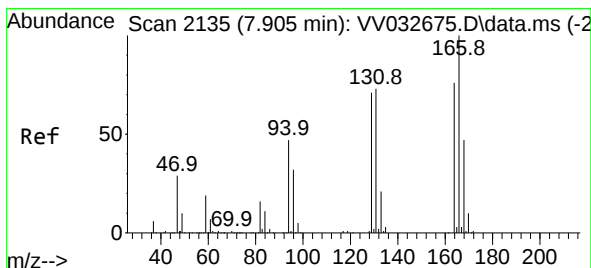
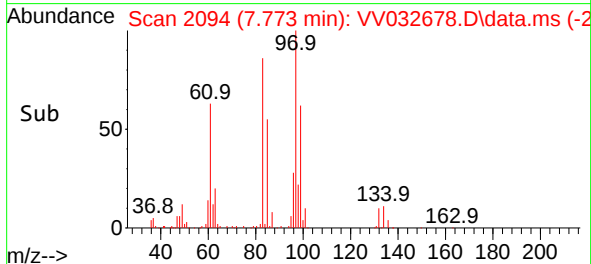
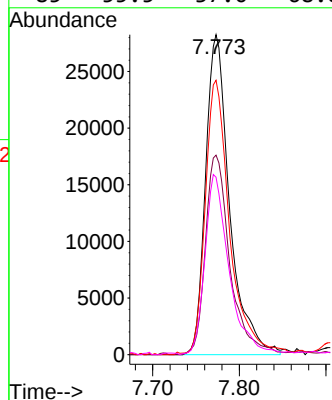
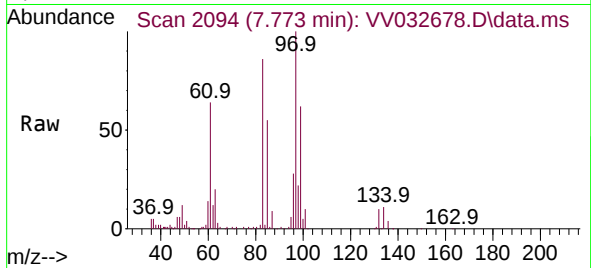




#45
1,1,2-Trichloroethane
Concen: 5.007 ug/L
RT: 7.773 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

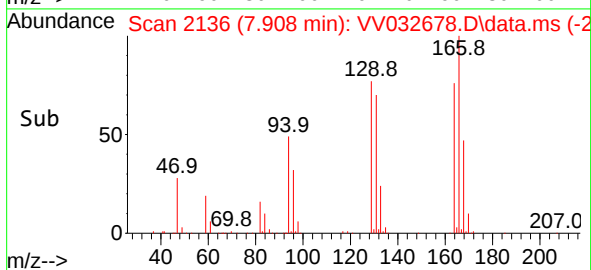
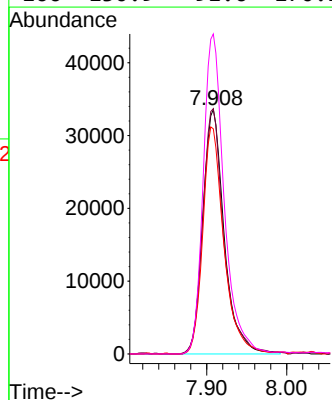
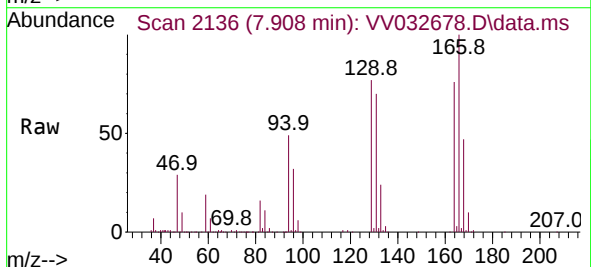
Instrument :
MSVOA_V
ClientSampleId :

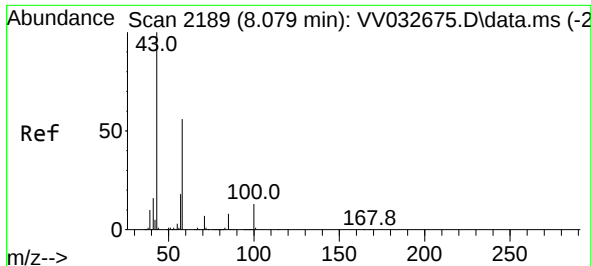
Tgt Ion:	97	Resp:	54605
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.0	81.8
83	85.7	59.9	111.3
85	55.5	37.0	68.8



#47
Tetrachloroethene
Concen: 4.962 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

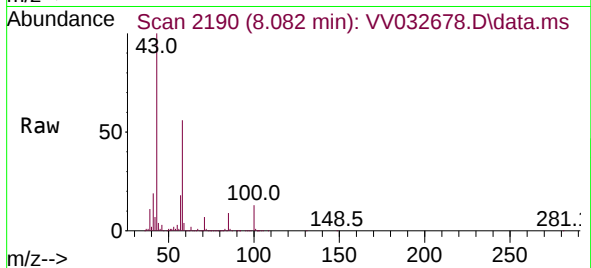
Tgt Ion:	164	Resp:	62683
Ion	Ratio	Lower	Upper
164	100		
129	100.4	65.3	121.3
131	92.1	66.6	123.8
166	130.9	91.6	170.2



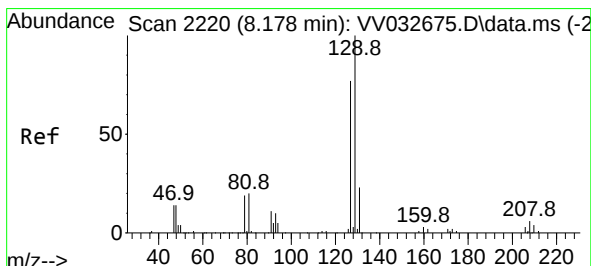
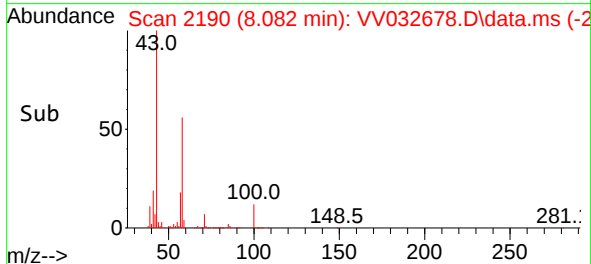
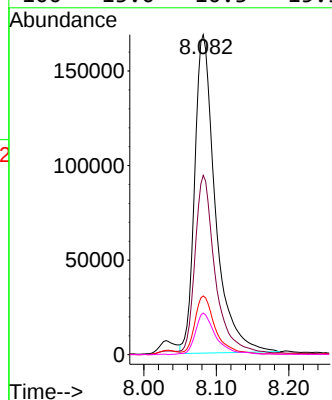


#48
2-Hexanone
Concen: 54.783 ug/L
RT: 8.082 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

Instrument :
MSVOA_V
ClientSampleId :

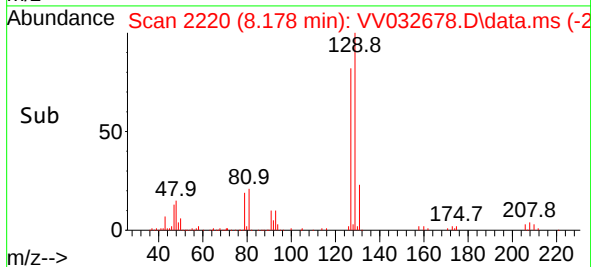
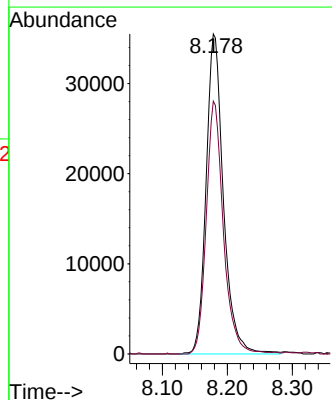
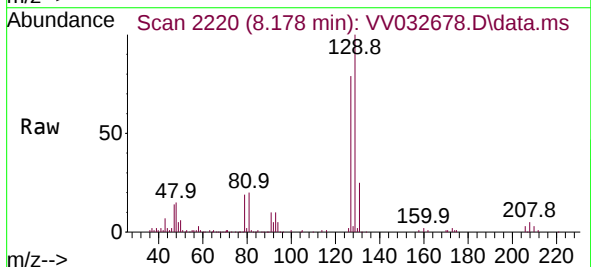


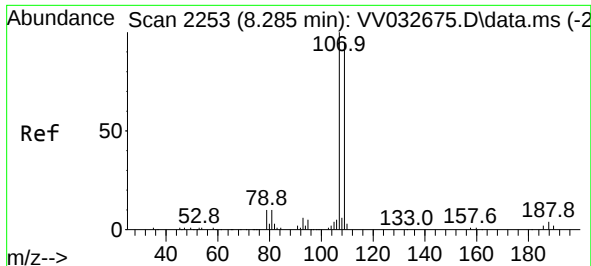
Tgt Ion: 43 Resp: 333819
Ion Ratio Lower Upper
43 100
58 54.4 43.8 65.6
57 18.3 15.1 22.7
100 13.0 10.3 15.5



#49
Dibromochloromethane
Concen: 5.092 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

Tgt Ion: 129 Resp: 65865
Ion Ratio Lower Upper
129 100
127 79.0 54.0 100.4





#50

1,2-Dibromoethane

Concen: 5.105 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

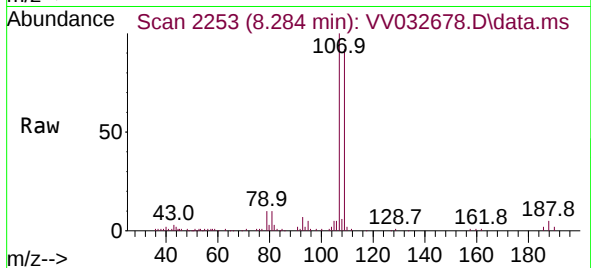
Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

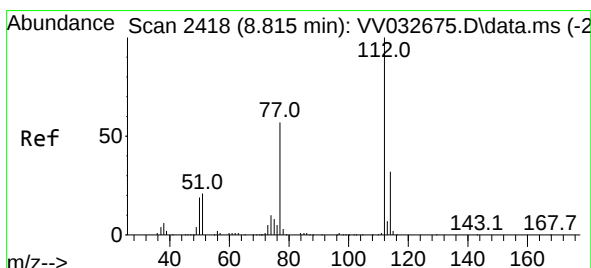
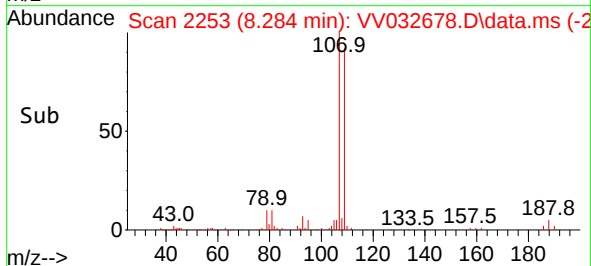
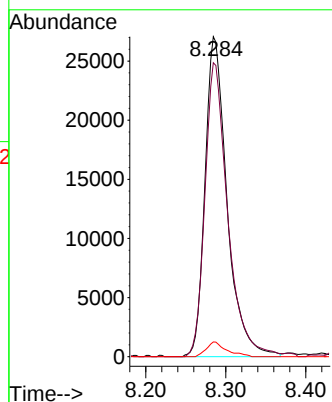
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	51955
Ion	Ratio	Lower	Upper
107	100		
109	91.9	66.4	123.4
188	4.6	2.9	4.3#



#51

Chlorobenzene

Concen: 5.054 ug/L

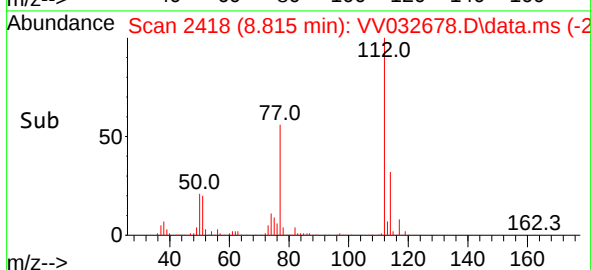
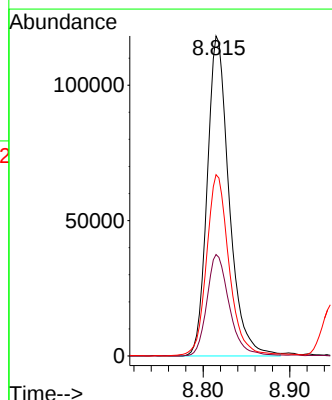
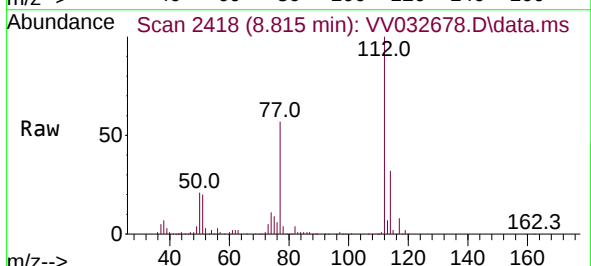
RT: 8.815 min Scan# 2418

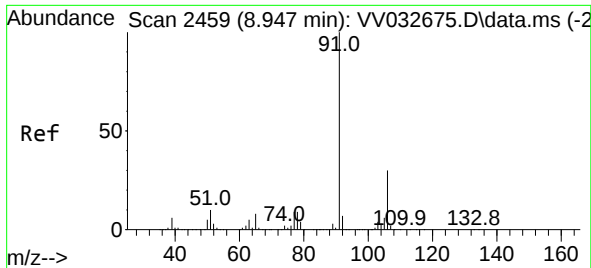
Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Tgt Ion:	112	Resp:	207575
Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.7	42.3
77	56.6	45.7	68.5

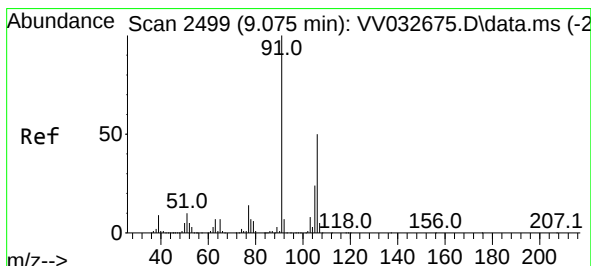
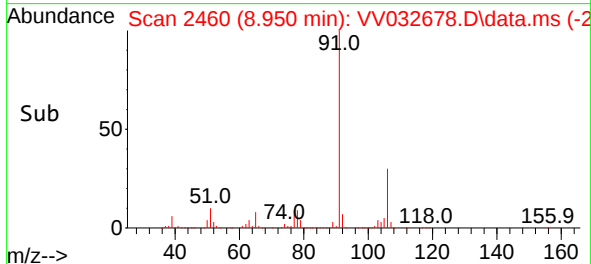
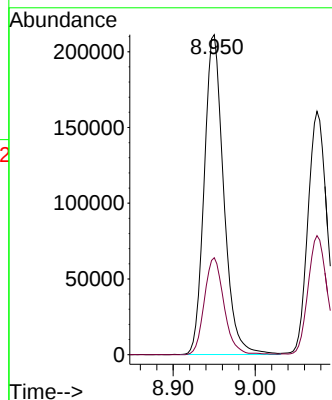
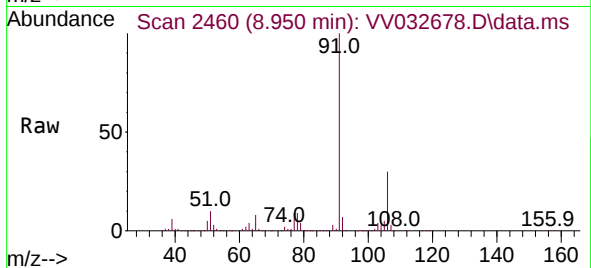




#52
Ethylbenzene
Concen: 5.336 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

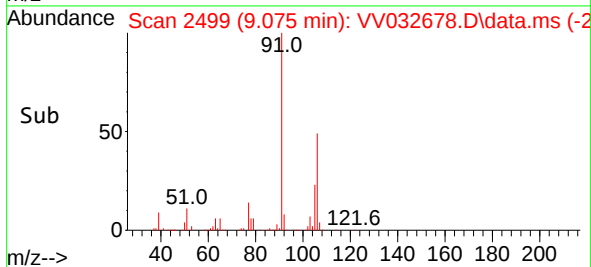
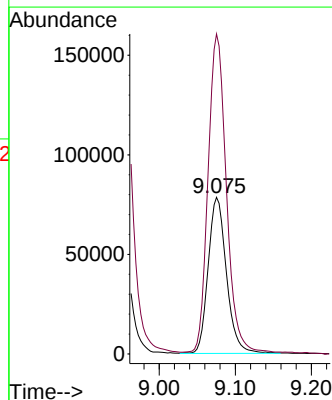
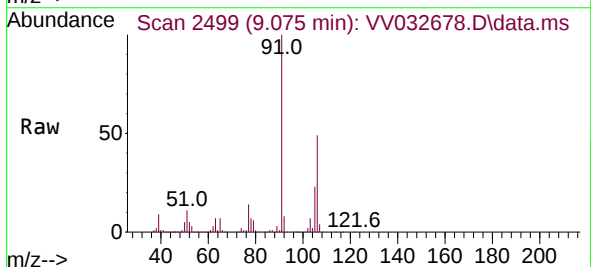
Instrument :
MSVOA_V
ClientSampleId :

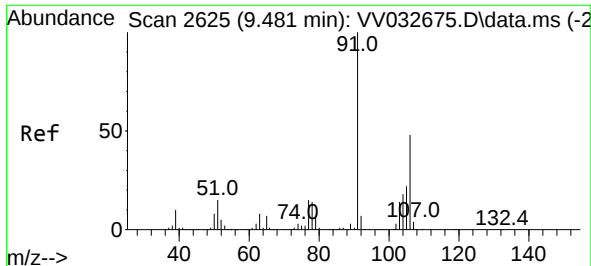
Tgt Ion: 91 Resp: 348754
Ion Ratio Lower Upper
91 100
106 30.3 20.9 38.9



#53
m,p-Xylene
Concen: 5.298 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

Tgt Ion: 106 Resp: 131119
Ion Ratio Lower Upper
106 100
91 204.4 139.3 258.7

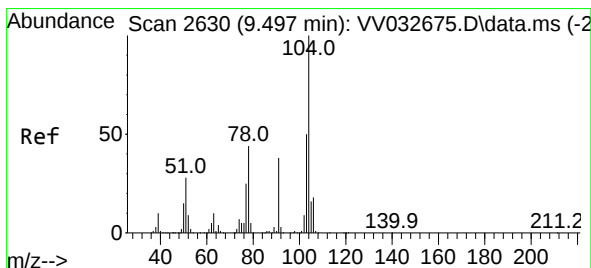
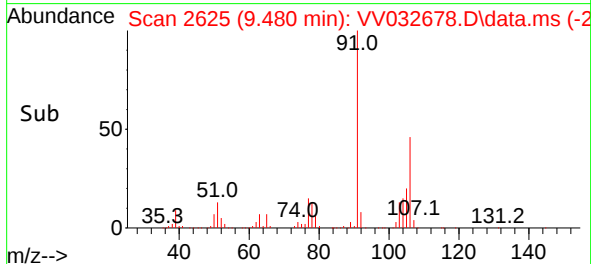
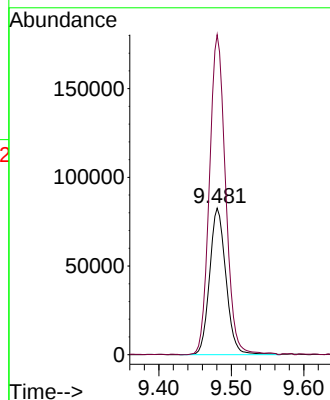
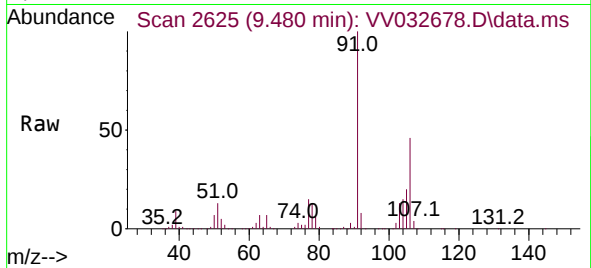




#54
o-Xylene
Concen: 5.385 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

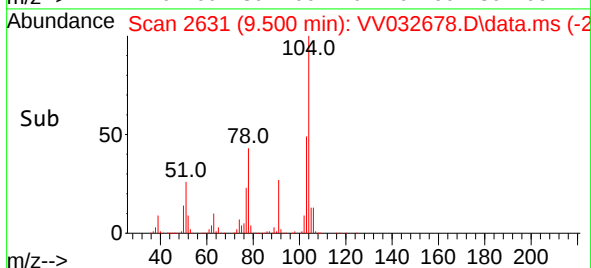
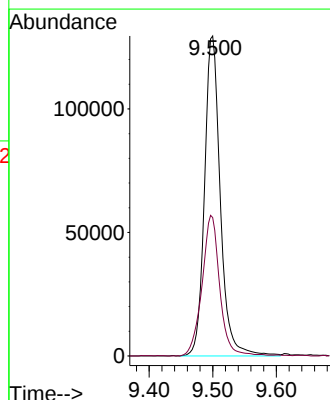
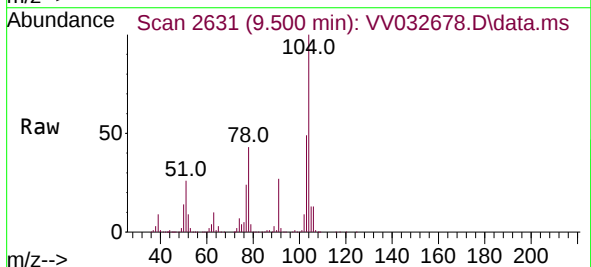
Instrument :
MSVOA_V
ClientSampleId :

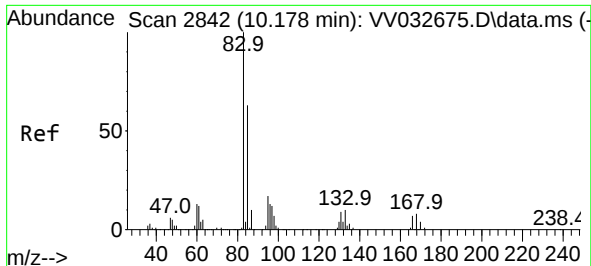
Tgt Ion:106 Resp: 129257
Ion Ratio Lower Upper
106 100
91 218.4 147.4 273.8



#55
Styrene
Concen: 5.640 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032678.D
Acq: 27 Oct 2023 12:32

Tgt Ion:104 Resp: 224326
Ion Ratio Lower Upper
104 100
78 43.2 30.5 56.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.213 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

ClientSampleId :

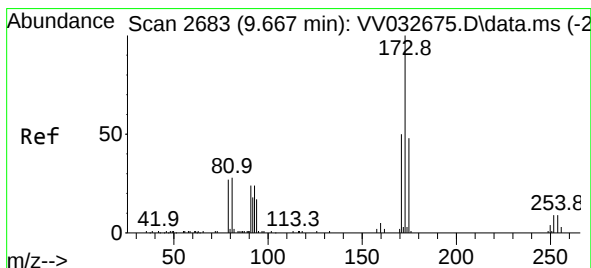
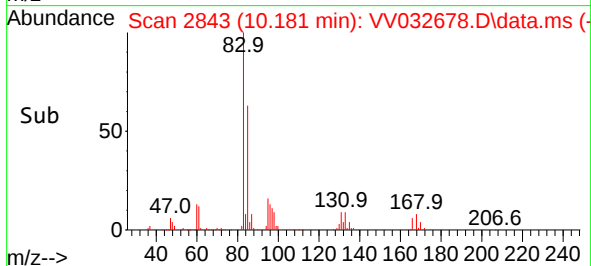
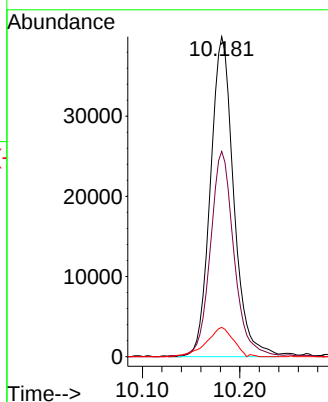
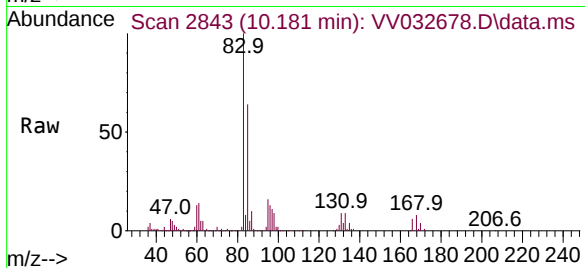
Tgt Ion: 83 Resp: 66314

Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.8

131 9.2 7.8 11.8



#59

Bromoform

Concen: 5.237 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

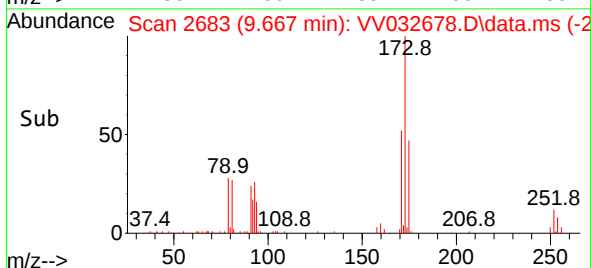
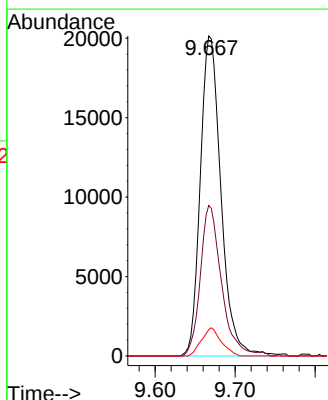
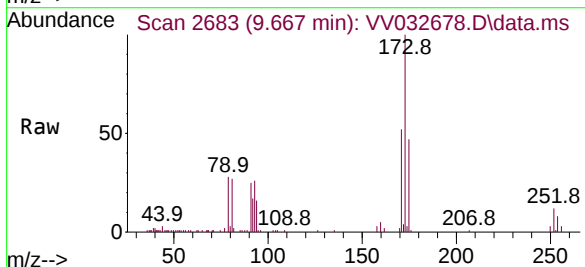
Tgt Ion: 173 Resp: 36264

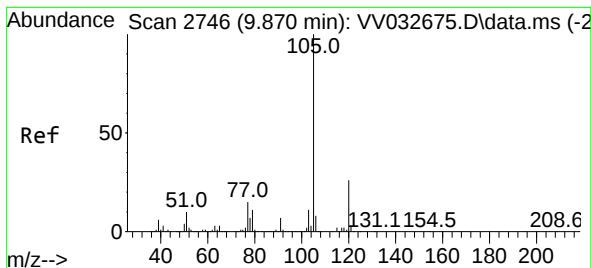
Ion Ratio Lower Upper

173 100

175 47.5 38.4 57.6

254 8.4 6.9 10.3





#60

Isopropylbenzene

Concen: 5.421 ug/L

RT: 9.870 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

ClientSampleId :

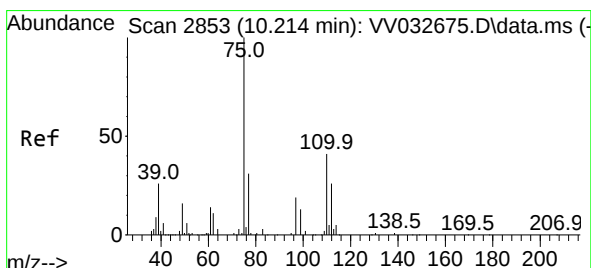
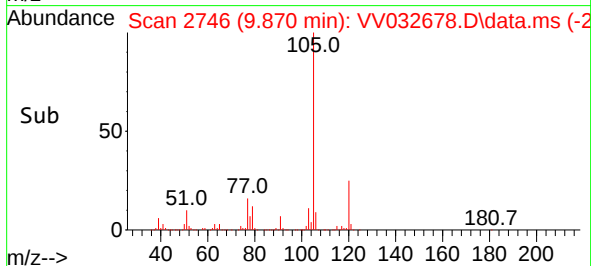
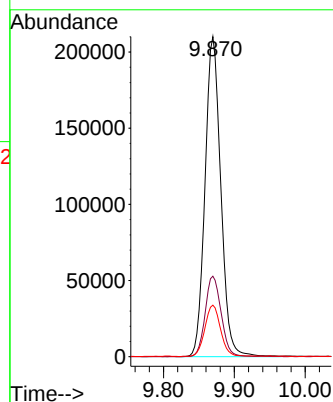
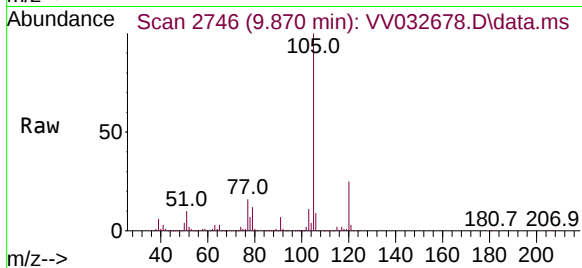
Tgt Ion:105 Resp: 324685

Ion Ratio Lower Upper

105 100

120 25.4 21.0 31.6

77 16.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.858 ug/L

RT: 10.214 min Scan# 2853

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

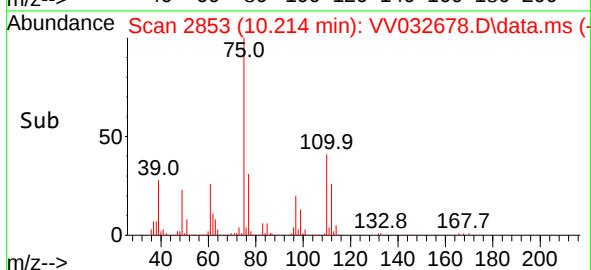
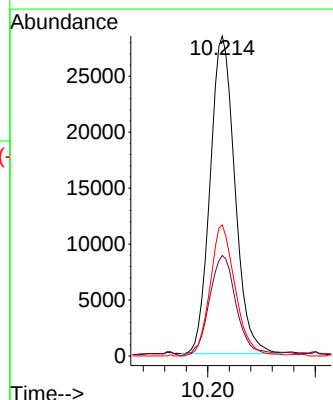
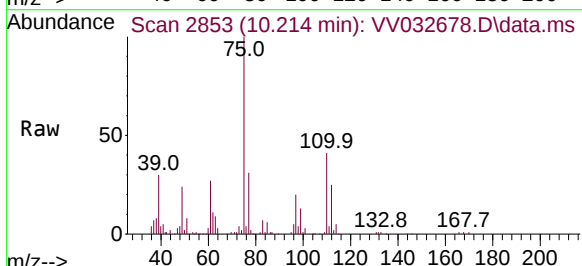
Tgt Ion: 75 Resp: 45338

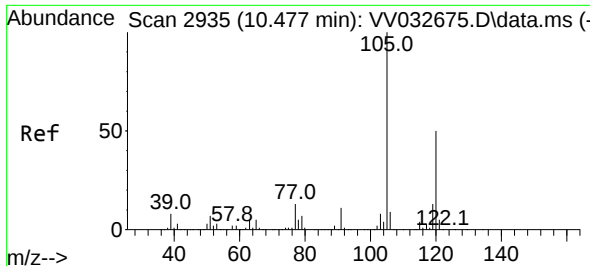
Ion Ratio Lower Upper

75 100

77 35.4 24.5 36.7

110 42.1 32.3 48.5





#62

1,3,5-Trimethylbenzene

Concen: 5.371 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

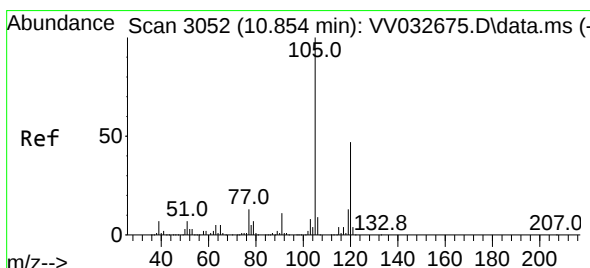
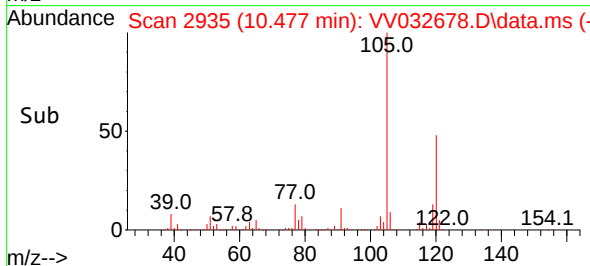
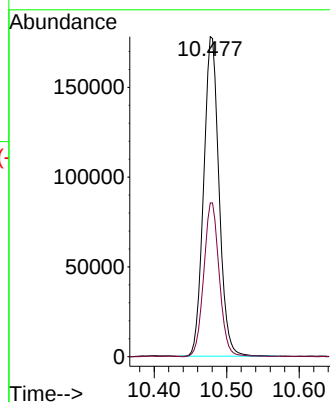
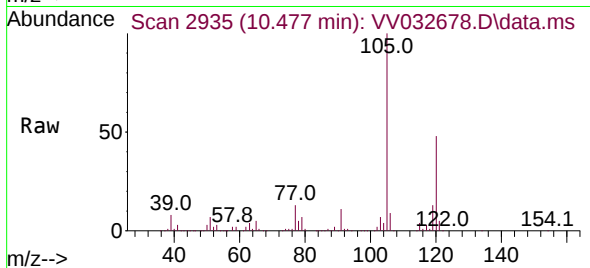
ClientSampleId :

Tgt Ion:105 Resp: 262964

Ion Ratio Lower Upper

105 100

120 48.7 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 5.504 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032678.D

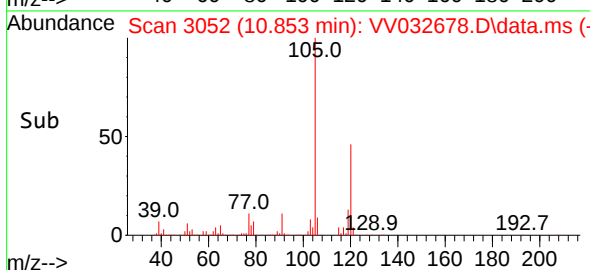
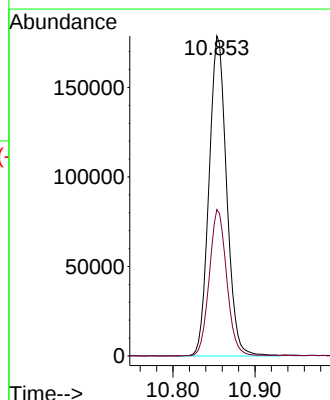
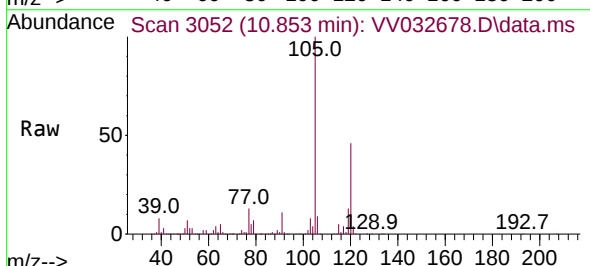
Acq: 27 Oct 2023 12:32

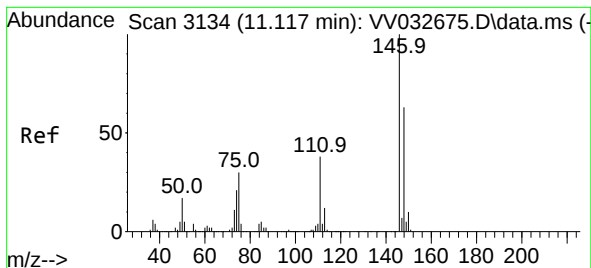
Tgt Ion:105 Resp: 266309

Ion Ratio Lower Upper

105 100

120 45.5 36.9 55.3





#64

1,3-Dichlorobenzene

Concen: 5.242 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.003 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

ClientSampleId :

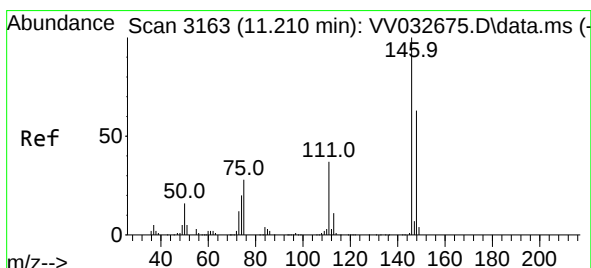
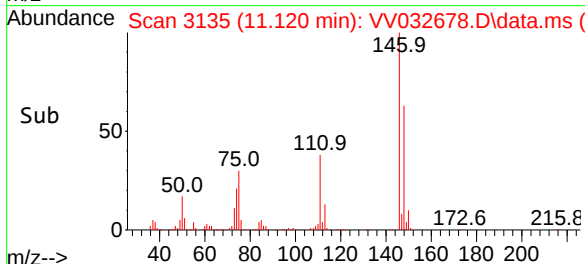
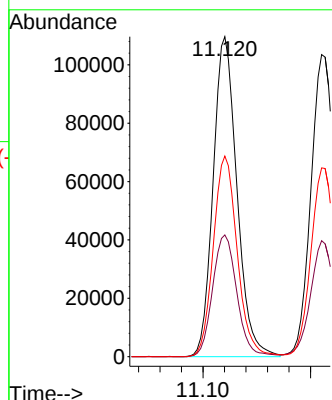
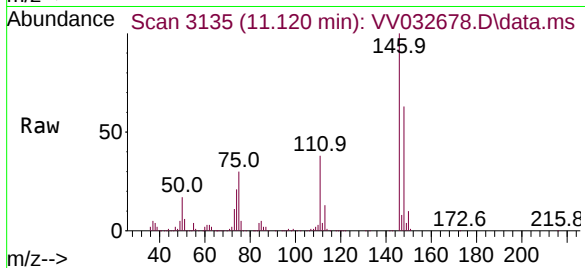
Tgt Ion:146 Resp: 168469

Ion Ratio Lower Upper

146 100

111 38.1 26.8 49.8

148 62.7 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 5.199 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

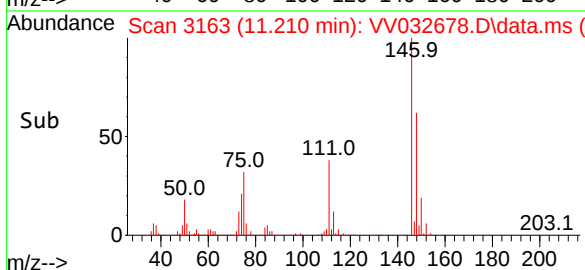
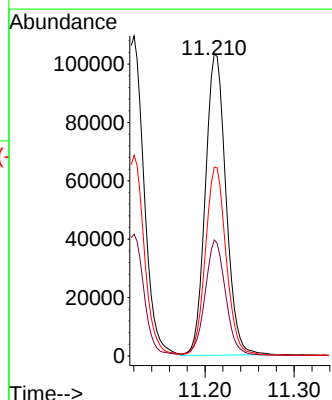
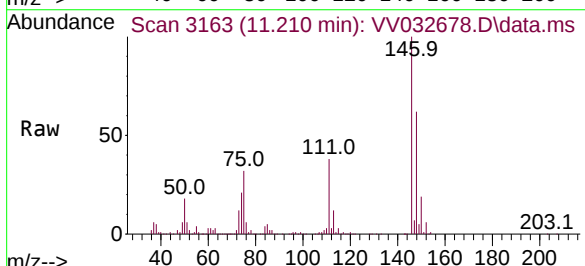
Tgt Ion:146 Resp: 165856

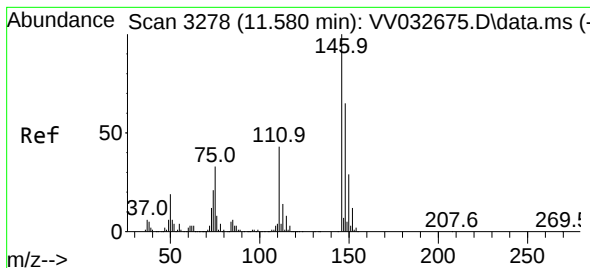
Ion Ratio Lower Upper

146 100

111 38.4 26.2 48.8

148 62.5 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.282 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

ClientSampleId :

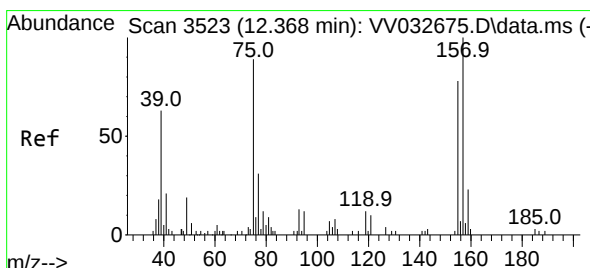
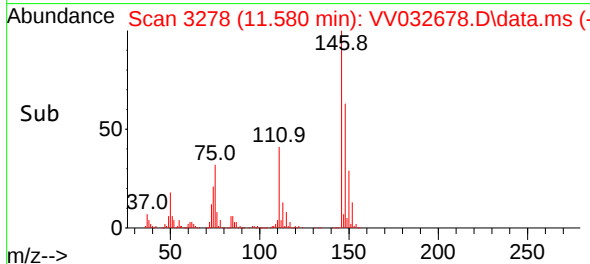
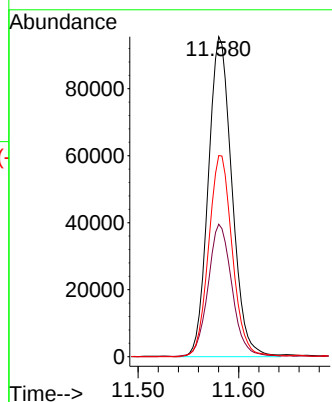
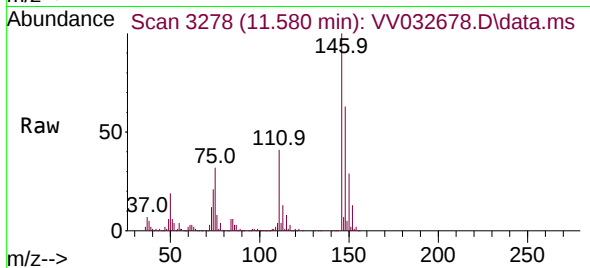
Tgt Ion:146 Resp: 156130

Ion Ratio Lower Upper

146 100

111 41.4 34.2 51.4

148 62.8 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.733 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

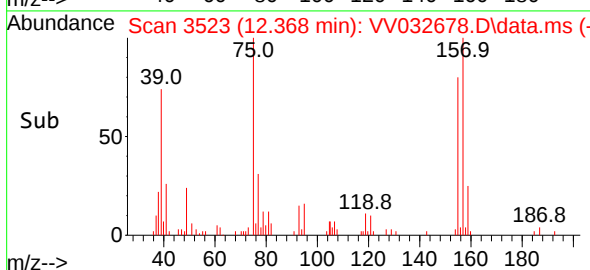
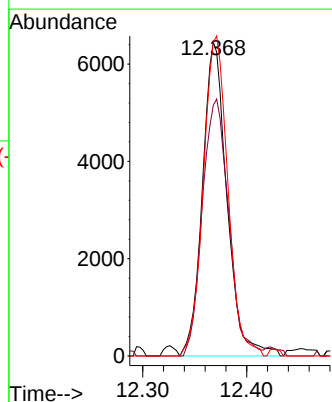
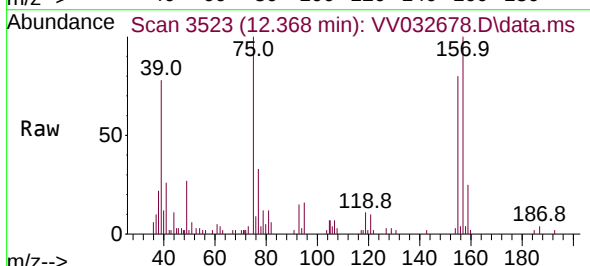
Tgt Ion: 75 Resp: 10557

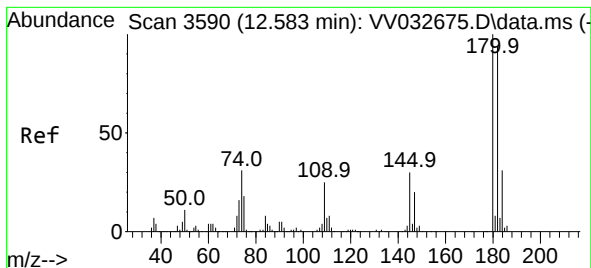
Ion Ratio Lower Upper

75 100

155 79.8 70.1 105.1

157 99.8 90.2 135.2





#69

1,3,5-Trichlorobenzene

Concen: 5.170 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.003 min

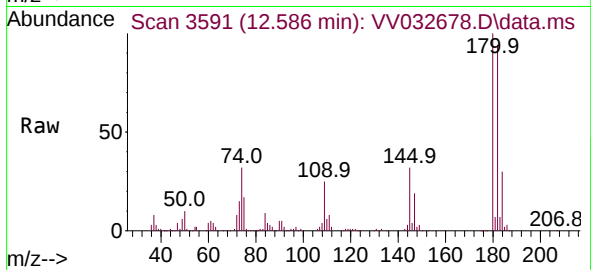
Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 118593

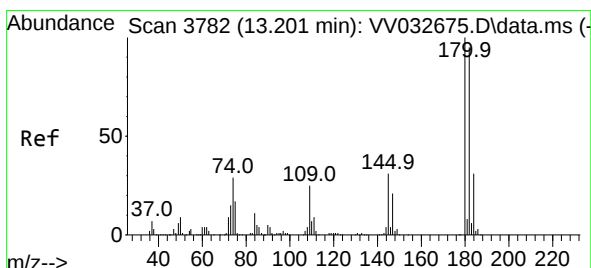
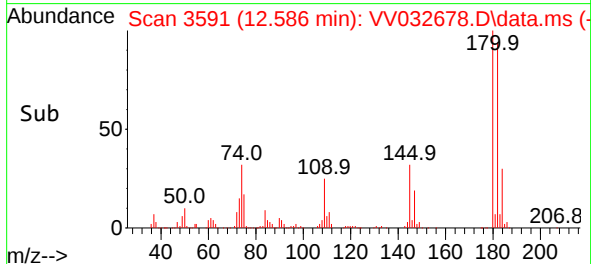
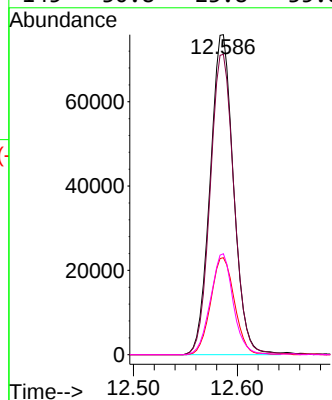
Ion Ratio Lower Upper

180 100

182 95.5 76.6 115.0

184 30.8 24.3 36.5

145 30.8 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 5.329 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

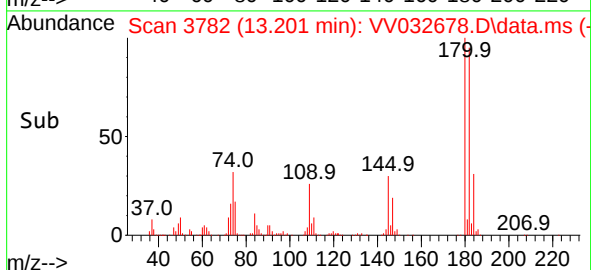
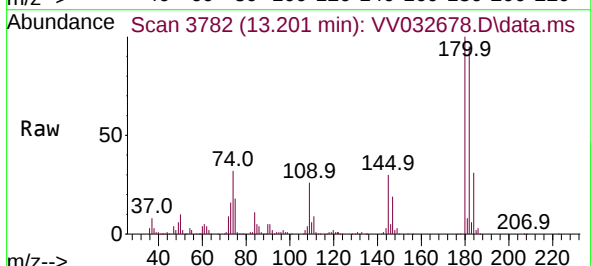
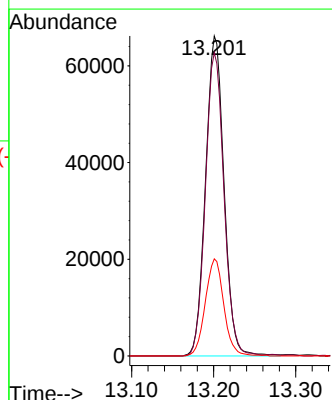
Tgt Ion:180 Resp: 103726

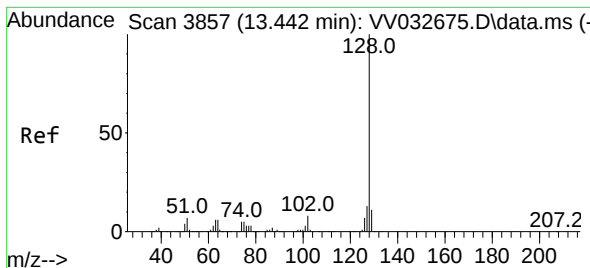
Ion Ratio Lower Upper

180 100

182 94.9 75.7 113.5

145 30.4 25.0 37.4





#71

Naphthalene

Concen: 6.233 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Instrument :

MSVOA_V

ClientSampleId :

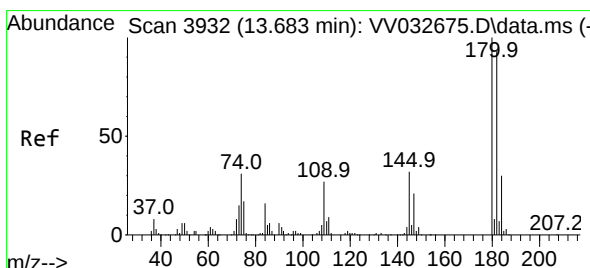
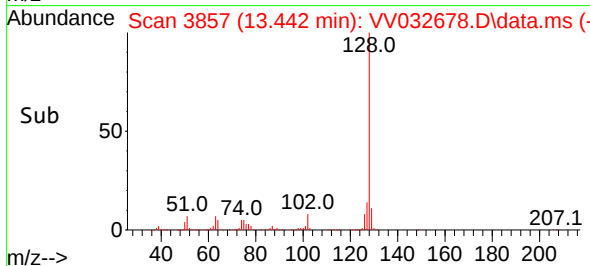
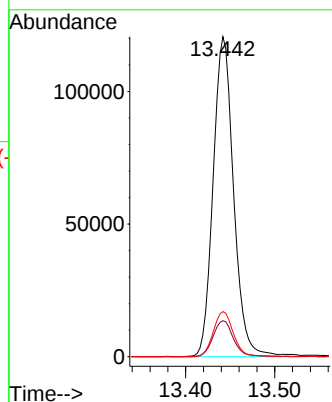
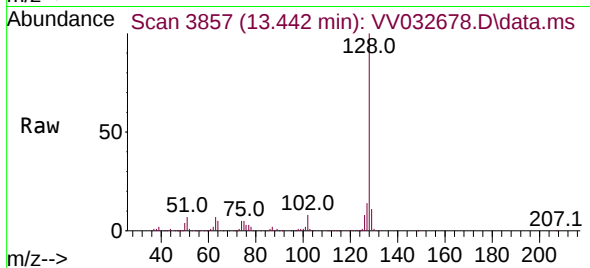
Tgt Ion:128 Resp: 192289

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

127 13.9 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.881 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032678.D

Acq: 27 Oct 2023 12:32

Tgt Ion:180 Resp: 100655

Ion Ratio Lower Upper

180 100

182 93.7 75.4 113.2

145 32.6 26.4 39.6

