

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102723\
 Data File : VV032679.D
 Acq On : 27 Oct 2023 12:55
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 28 00:11:37 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	5.538	114	154914	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	173148	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	91002	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	62444	4.908	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	98.200%	
7) Chloroethane-d5	1.532	69	53214	4.922	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	98.400%	
11) 1,1-Dichloroethene-d2	2.056	65	24646	4.316	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	86.400%	
20) 2-Butanone-d5	3.838	46	128181	46.655	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	93.300%	
24) Chloroform-d	4.256	84	104260	4.935	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.800%	
26) 1,2-Dichloroethane-d4	4.950	65	51129	4.902	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	98.000%	
32) Benzene-d6	4.963	84	206408	5.007	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.200%	
36) 1,2-Dichloropropane-d6	5.992	67	60999	5.110	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	102.200%	
41) Toluene-d8	7.246	98	214058	5.122	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.400%	
43) trans-1,3-Dichloroprop...	7.558	79	26068	4.949	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	99.000%	
46) 2-Hexanone-d5	8.034	63	110981	53.163	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	106.320%	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	51617	4.862	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	97.200%	
66) 1,2-Dichlorobenzene-d4	11.564	152	74361	5.004	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	74951	4.714	ug/L	99
3) Chloromethane	1.214	50	91966	4.902	ug/L	100
5) Vinyl chloride	1.281	62	91039	4.890	ug/L	99
6) Bromomethane	1.487	94	51653	4.754	ug/L	100
8) Chloroethane	1.548	64	58336	4.791	ug/L	100
9) Trichlorofluoromethane	1.712	101	118693	4.736	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	67664	4.578	ug/L	99
12) 1,1-Dichloroethene	2.069	96	64776	4.678	ug/L	94
13) Acetone	2.153	43	110233	40.642	ug/L	94
14) Carbon disulfide	2.240	76	219147	4.996	ug/L	100
15) Methyl Acetate	2.394	43	25284	4.655	ug/L	92
16) Methylene chloride	2.449	84	79444	4.662	ug/L	99
17) Methyl tert-butyl Ether	2.709	73	151276	5.061	ug/L	99
18) trans-1,2-Dichloroethene	2.696	96	67884	4.958	ug/L	96
19) 1,1-Dichloroethane	3.111	63	117109	4.824	ug/L	100
21) 2-Butanone	3.908	43	176098	49.110	ug/L	95
22) cis-1,2-Dichloroethene	3.818	96	68291	4.920	ug/L	99
23) Bromochloromethane	4.156	128	32576	5.045	ug/L	98
25) Chloroform	4.281	83	126991	4.812	ug/L	100

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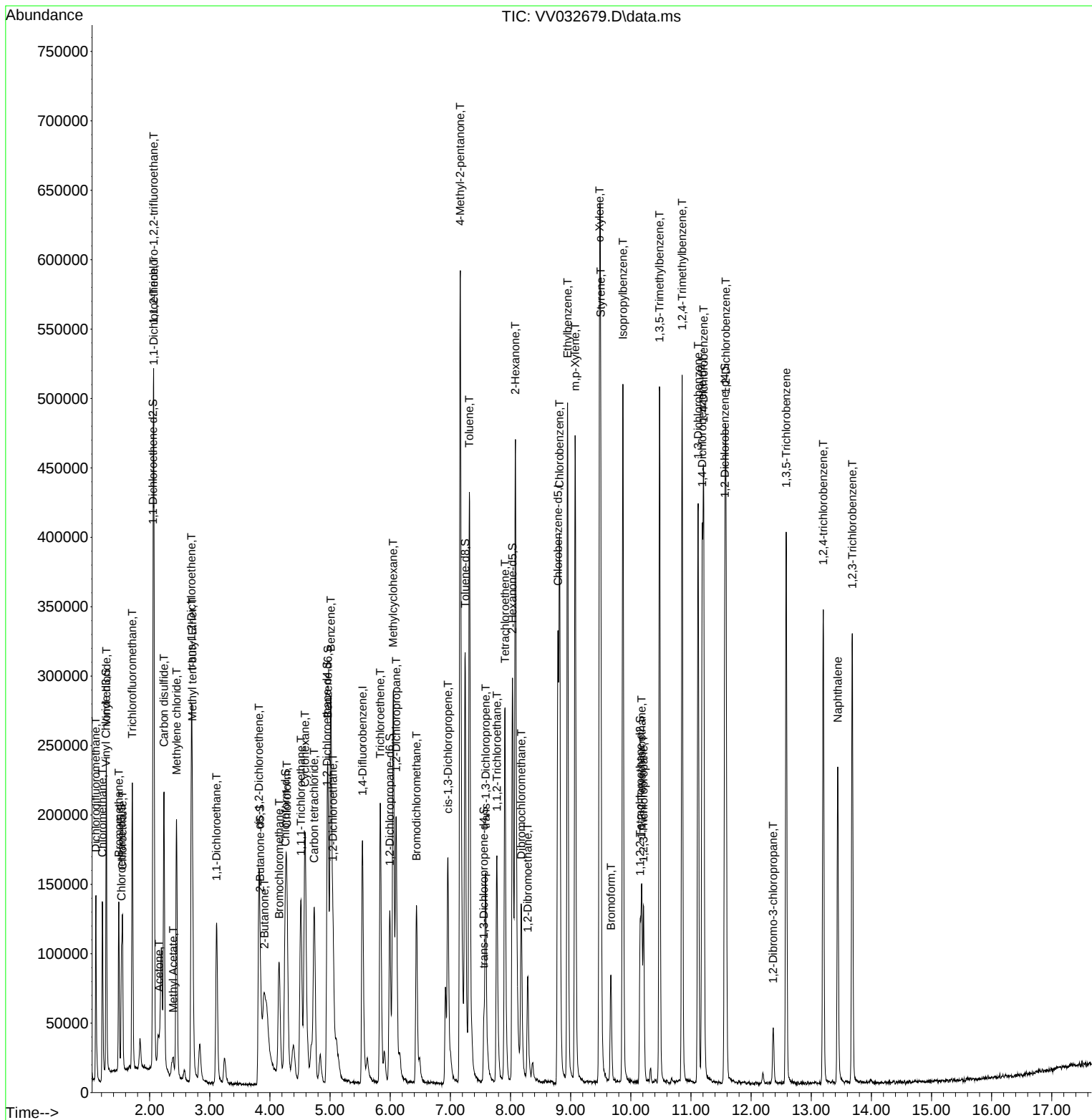
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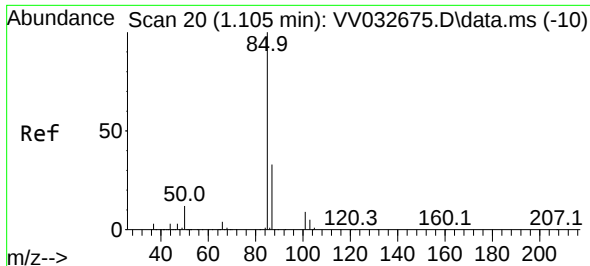
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 28 00:03:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	78858	4.808	ug/L	98
29) 1,1,1-Trichloroethane	4.516	97	107267	4.803	ug/L	99
30) Cyclohexane	4.584	56	93195	4.951	ug/L	98
31) Carbon tetrachloride	4.735	117	94340	4.855	ug/L	99
33) Benzene	5.011	78	278413	5.101	ug/L	100
34) Trichloroethene	5.834	95	69592	4.773	ug/L	95
35) Methylcyclohexane	6.050	83	106181	4.873	ug/L	97
37) 1,2-Dichloropropane	6.098	63	69274	5.260	ug/L #	96
38) Bromodichloromethane	6.436	83	89808	4.616	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	106174	5.296	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	462097	54.380	ug/L	99
42) Toluene	7.317	91	327562	5.166	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	92388	5.355	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	55936	5.029	ug/L	99
47) Tetrachloroethene	7.908	164	63472	4.926	ug/L	95
48) 2-Hexanone	8.082	43	336572	54.153	ug/L	98
49) Dibromochloromethane	8.178	129	66425	5.035	ug/L	99
50) 1,2-Dibromoethane	8.288	107	53429	5.147	ug/L	99
51) Chlorobenzene	8.815	112	208555	4.978	ug/L	100
52) Ethylbenzene	8.950	91	345677	5.186	ug/L	99
53) m,p-Xylene	9.075	106	133406	5.285	ug/L	94
54) o-Xylene	9.480	106	128108	5.232	ug/L	95
55) Styrene	9.500	104	217147	5.353	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	66680	5.140	ug/L	99
59) Bromoform	9.670	173	35674	4.997	ug/L	97
60) Isopropylbenzene	9.869	105	320138	5.184	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	47118	4.896	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	260092	5.151	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	265222	5.316	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	166783	5.033	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	163926	4.983	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	155775	5.111	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	10289	4.473	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	116832	4.939	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	99593	4.962	ug/L	98
71) Naphthalene	13.442	128	176669	5.554	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	92918	5.265	ug/L	98

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

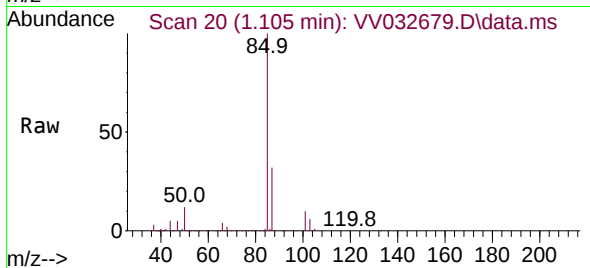
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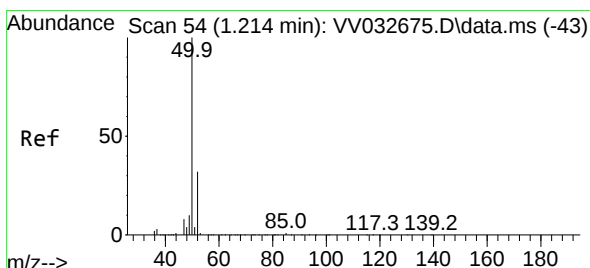
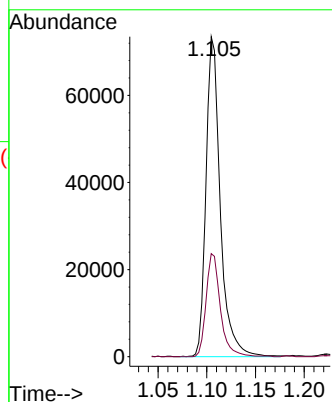
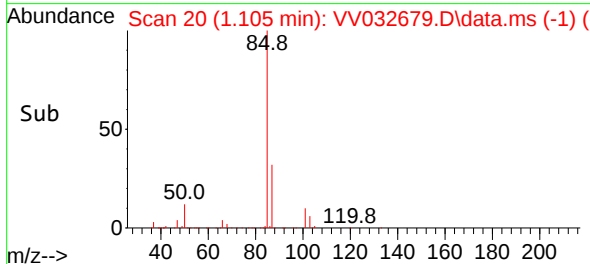


#2
 Dichlorodifluoromethane
 Concen: 4.714 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032679.D
 Acq: 27 Oct 2023 12:55

Instrument :
 MSVOA_V
 ClientSampleId :

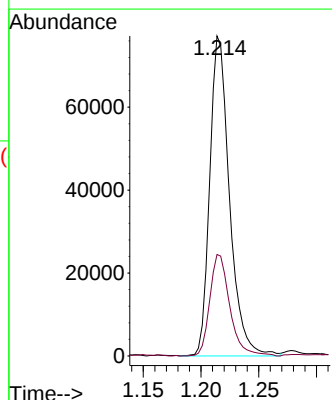
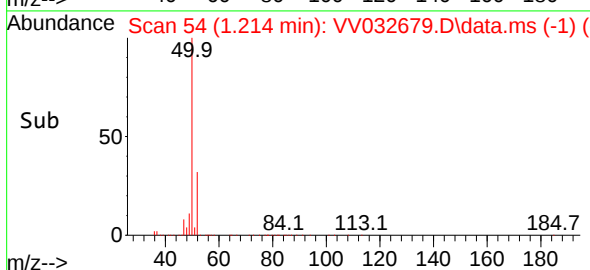
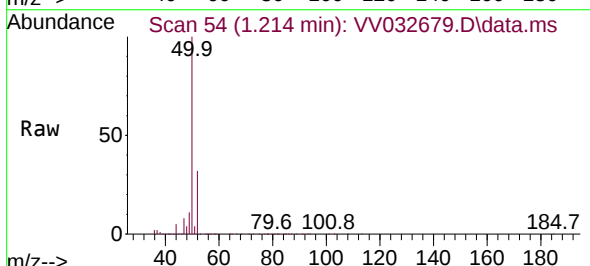


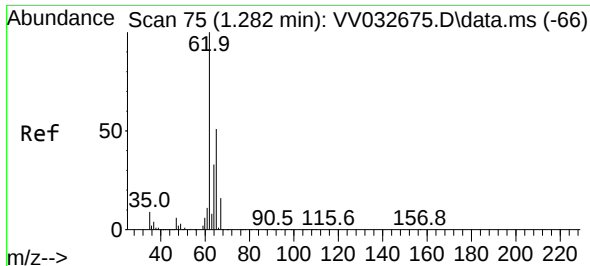
Tgt Ion: 85 Resp: 74951
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.9 38.9



#3
 Chloromethane
 Concen: 4.902 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV032679.D
 Acq: 27 Oct 2023 12:55

Tgt Ion: 50 Resp: 91966
 Ion Ratio Lower Upper
 50 100
 52 31.7 22.3 41.5



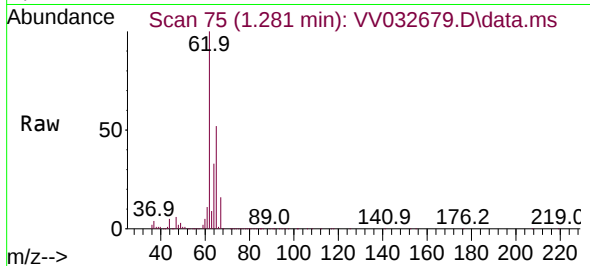


#5
 Vinyl chloride
 Concen: 4.890 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV032679.D
 Acq: 27 Oct 2023 12:55

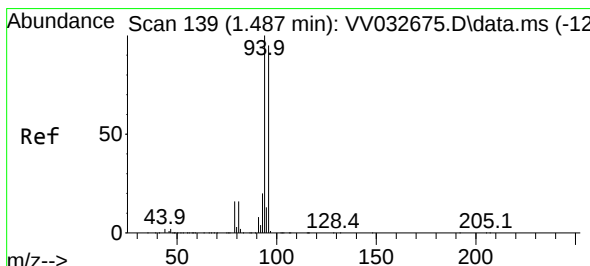
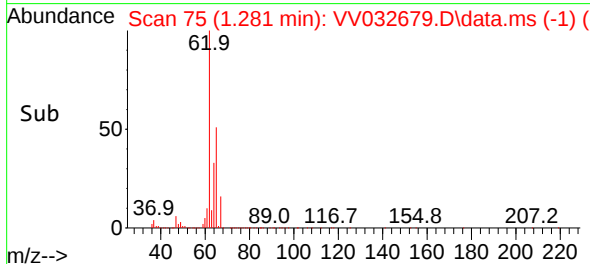
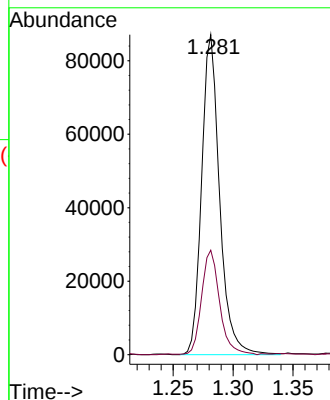
Instrument :

MSVOA_V

ClientSampleId :

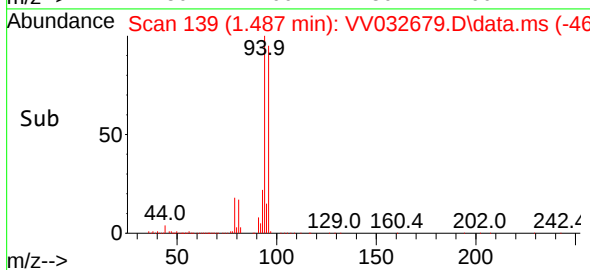
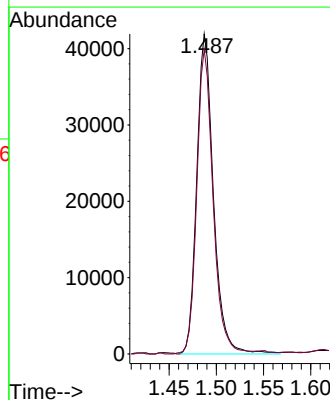
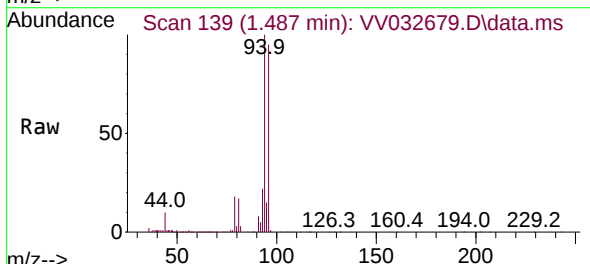


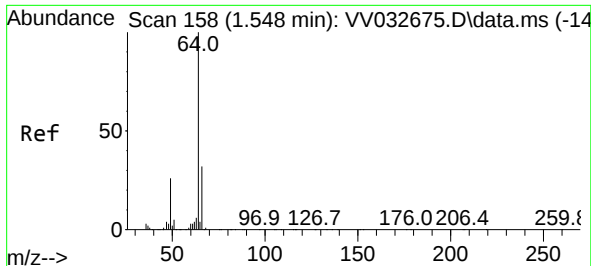
Tgt Ion: 62 Resp: 91039
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.2 43.0



#6
 Bromomethane
 Concen: 4.754 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV032679.D
 Acq: 27 Oct 2023 12:55

Tgt Ion: 94 Resp: 51653
 Ion Ratio Lower Upper
 94 100
 96 95.2 66.4 123.2

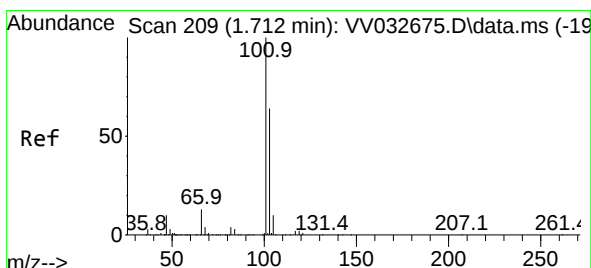
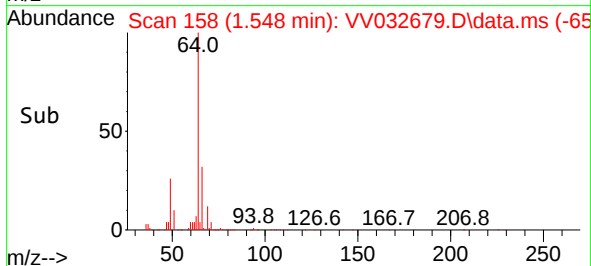
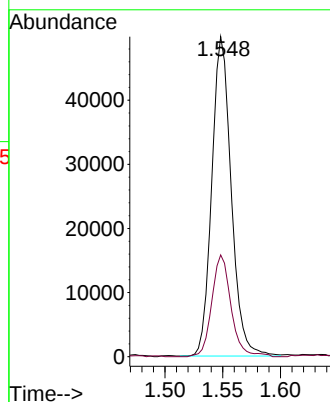
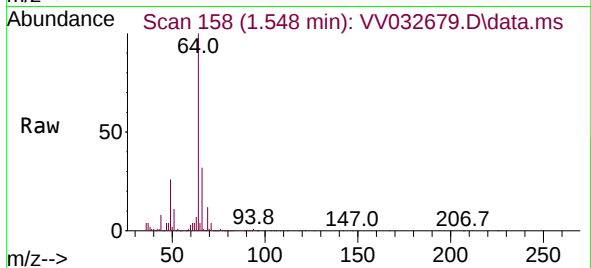




#8
Chloroethane
Concen: 4.791 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

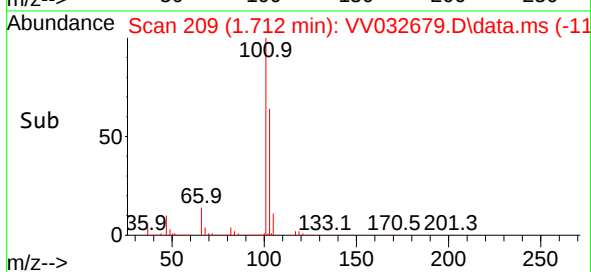
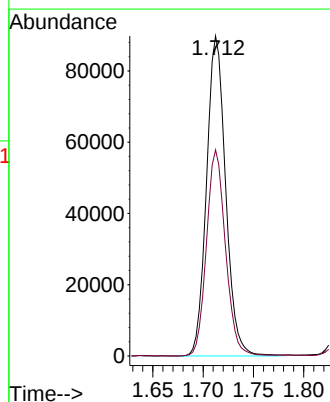
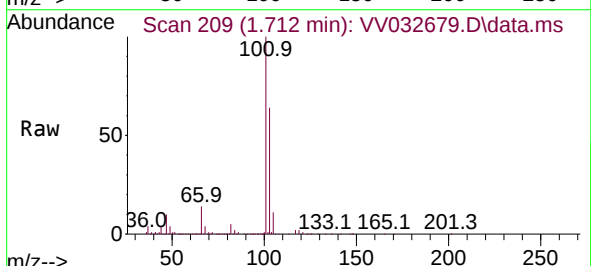
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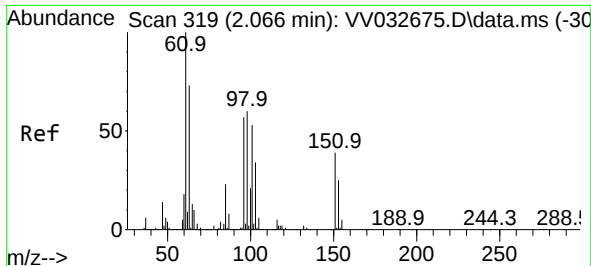
Tgt Ion: 64 Resp: 58336
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.736 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

Tgt Ion: 101 Resp: 118693
Ion Ratio Lower Upper
101 100
103 64.0 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.578 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

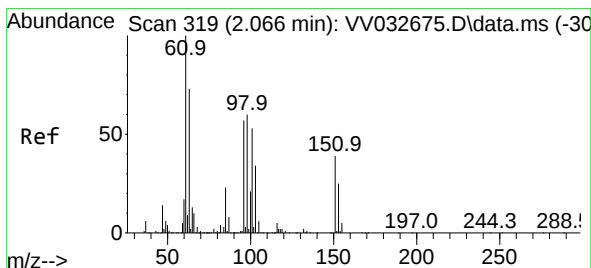
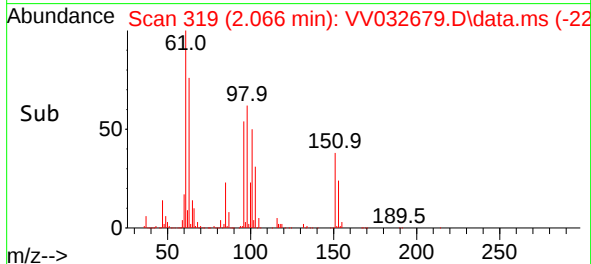
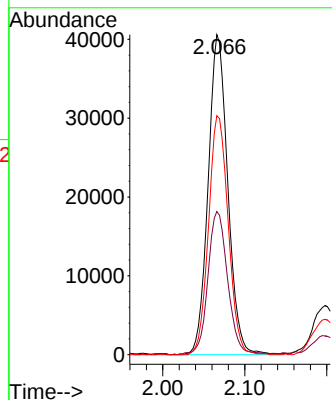
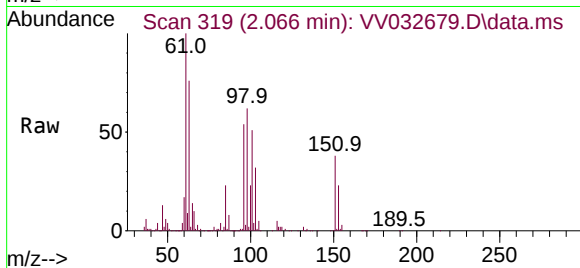
Tgt Ion:101 Resp: 67664

Ion Ratio Lower Upper

101 100

85 45.1 36.2 54.4

151 74.6 59.0 88.6



#12

1,1-Dichloroethene

Concen: 4.678 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.003 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

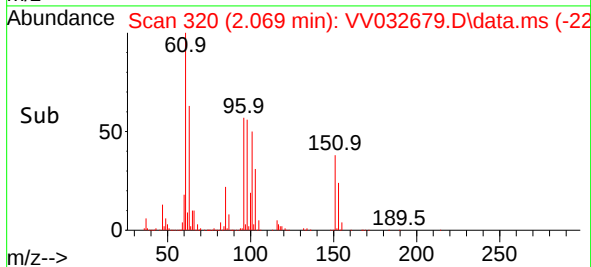
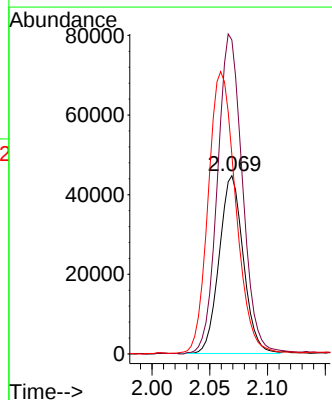
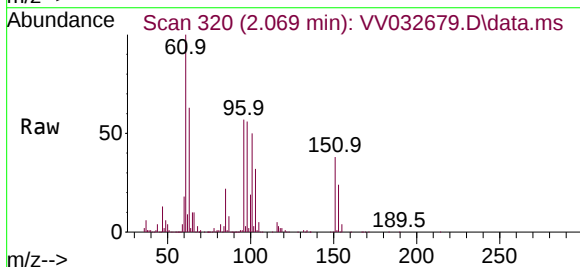
Tgt Ion: 96 Resp: 64776

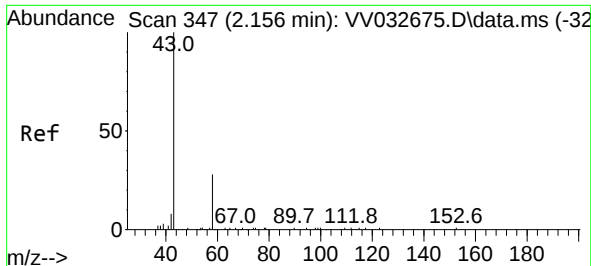
Ion Ratio Lower Upper

96 100

61 176.1 122.3 227.1

63 111.7 89.4 166.0





#13

Acetone

Concen: 40.642 ug/L

RT: 2.153 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

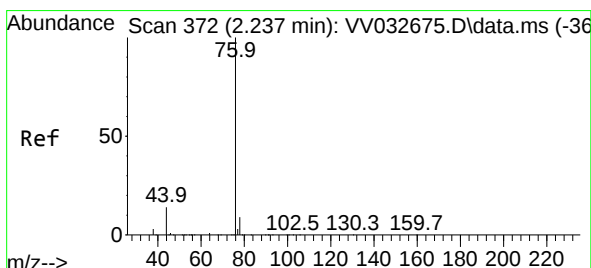
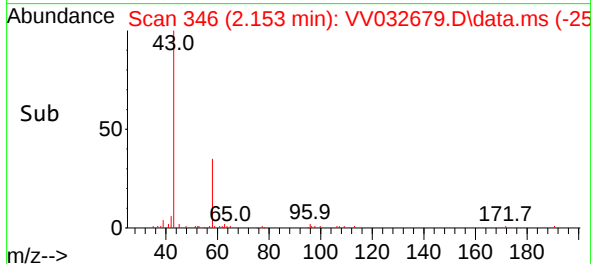
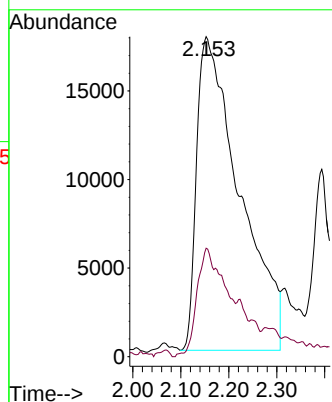
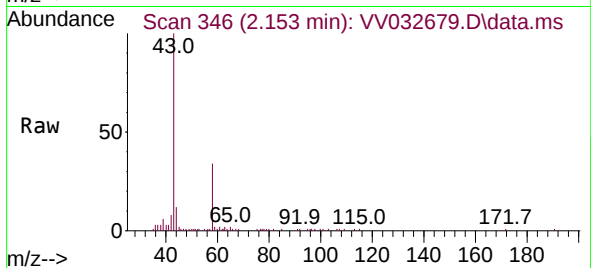
ClientSampleId :

Tgt Ion: 43 Resp: 110233

Ion Ratio Lower Upper

43 100

58 22.5 0.0 50.6



#14

Carbon disulfide

Concen: 4.996 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.003 min

Lab File: VV032679.D

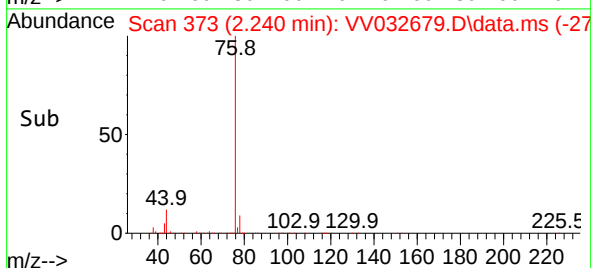
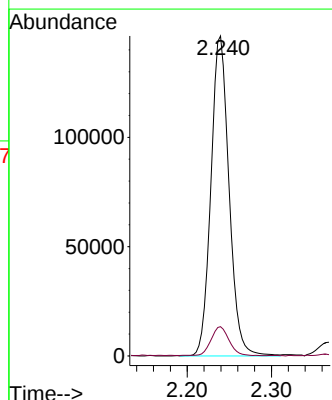
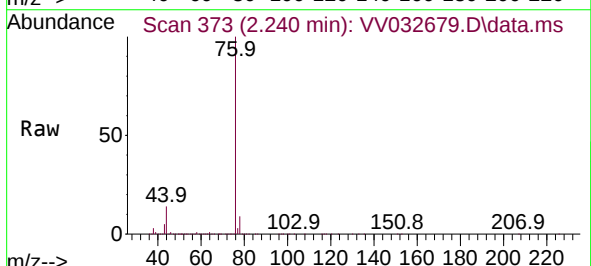
Acq: 27 Oct 2023 12:55

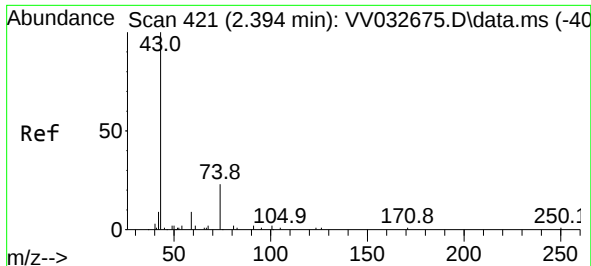
Tgt Ion: 76 Resp: 219147

Ion Ratio Lower Upper

76 100

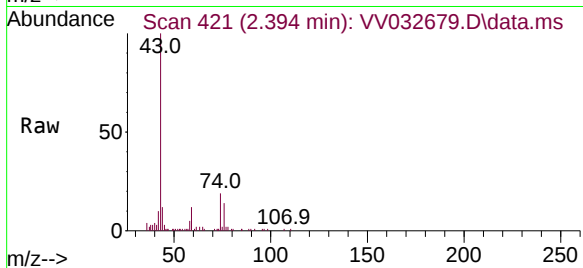
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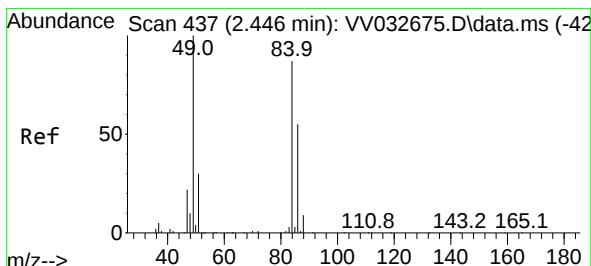
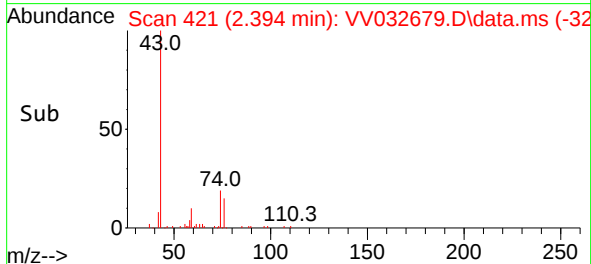
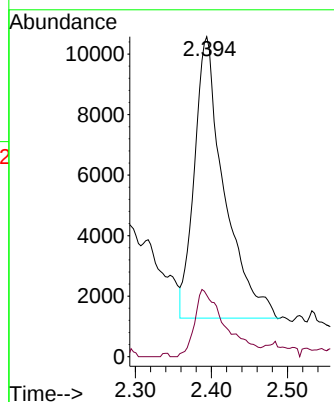


#15
Methyl Acetate
Concen: 4.655 ug/L
RT: 2.394 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

Instrument :
MSVOA_V
ClientSampleId :

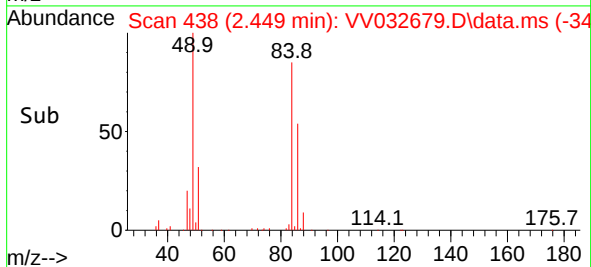
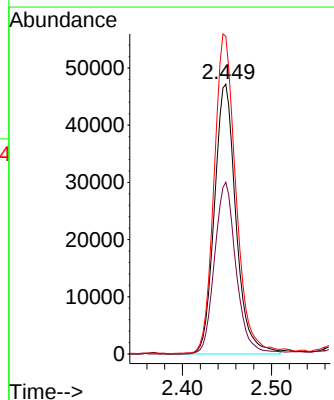
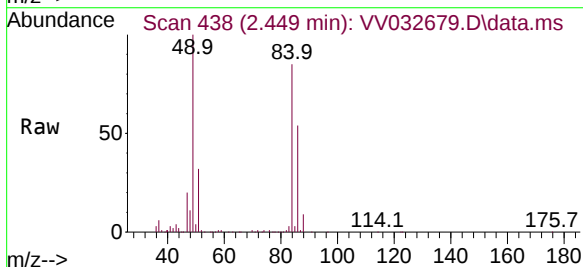


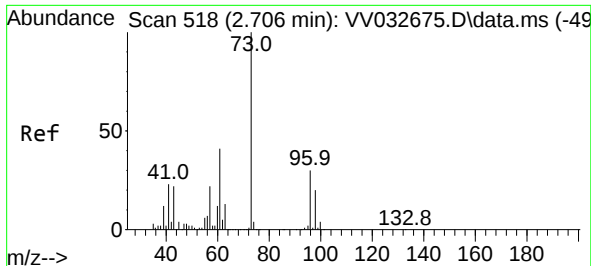
Tgt Ion: 43 Resp: 25284
Ion Ratio Lower Upper
43 100
74 24.8 23.1 34.7



#16
Methylene chloride
Concen: 4.662 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

Tgt Ion: 84 Resp: 79444
Ion Ratio Lower Upper
84 100
86 63.6 44.8 83.2
49 117.7 81.1 150.5





#17

Methyl tert-butyl Ether

Concen: 5.061 ug/L

RT: 2.709 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

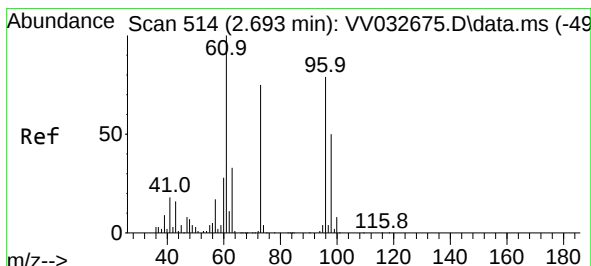
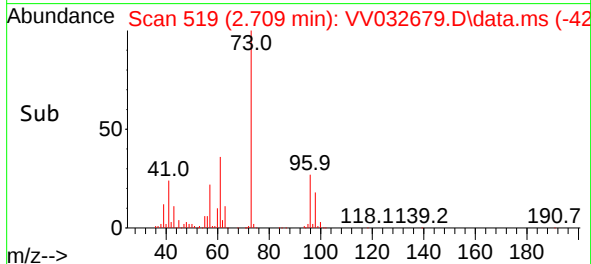
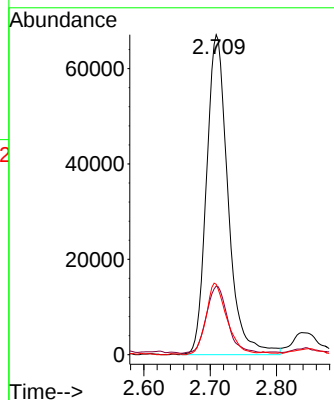
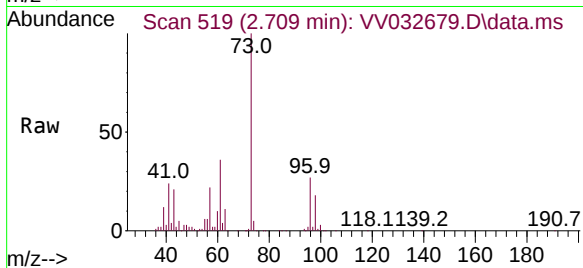
Tgt Ion: 73 Resp: 151276

Ion Ratio Lower Upper

73 100

43 20.8 16.6 24.8

57 21.7 18.1 27.1



#18

trans-1,2-Dichloroethene

Concen: 4.958 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.003 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

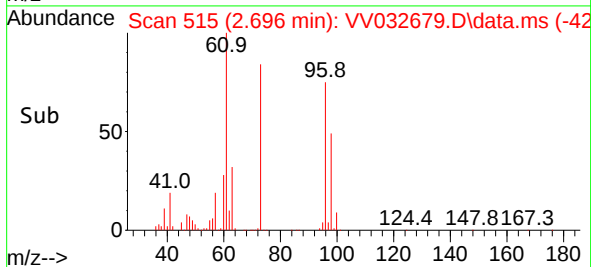
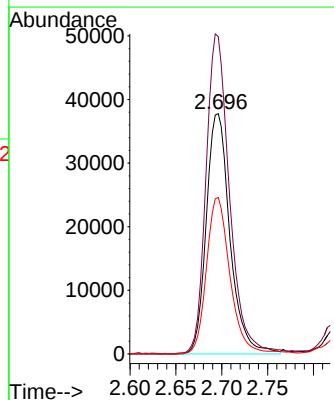
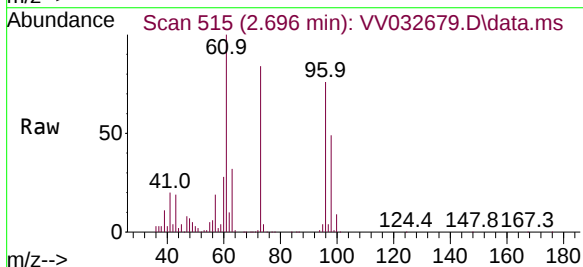
Tgt Ion: 96 Resp: 67884

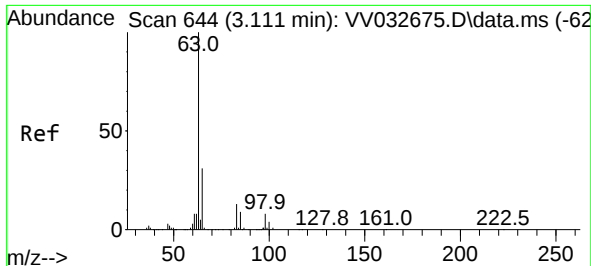
Ion Ratio Lower Upper

96 100

61 132.1 88.7 164.7

98 65.1 44.4 82.4





#19

1,1-Dichloroethane

Concen: 4.824 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

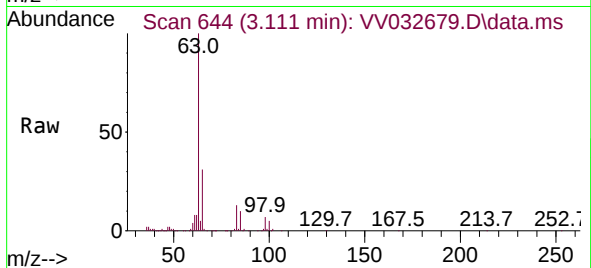
Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :



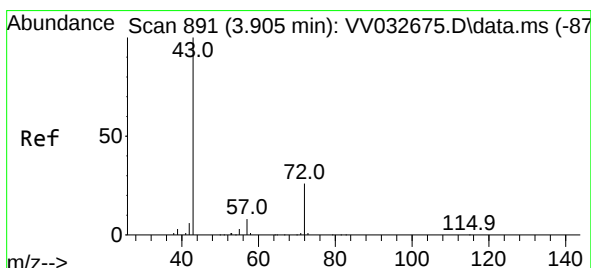
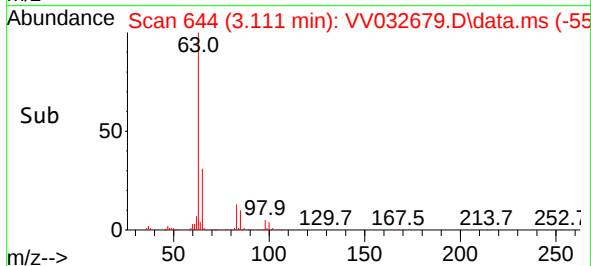
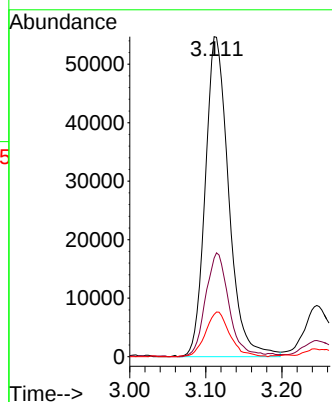
Tgt Ion: 63 Resp: 117109

Ion Ratio Lower Upper

63 100

65 30.8 21.5 39.9

83 13.2 9.2 17.0



#21

2-Butanone

Concen: 49.110 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.003 min

Lab File: VV032679.D

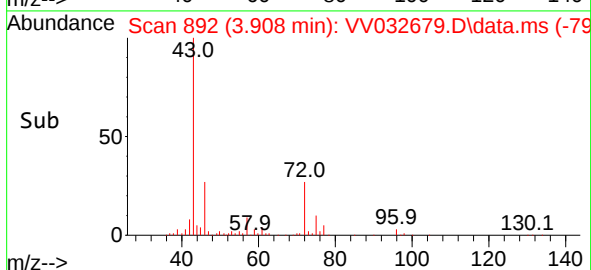
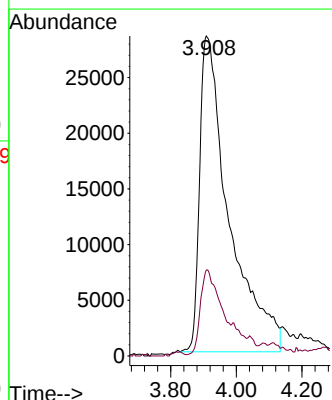
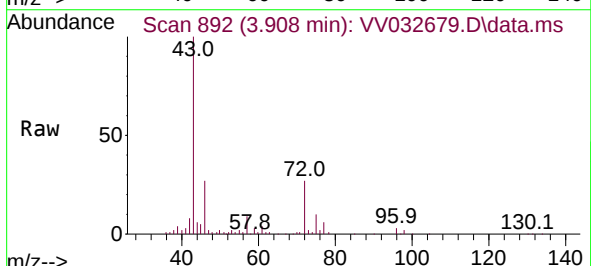
Acq: 27 Oct 2023 12:55

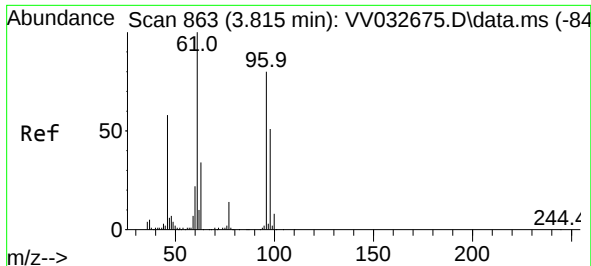
Tgt Ion: 43 Resp: 176098

Ion Ratio Lower Upper

43 100

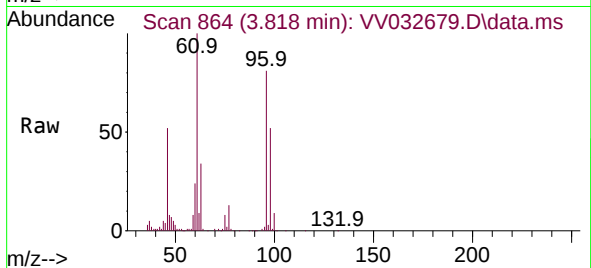
72 18.3 10.4 31.2



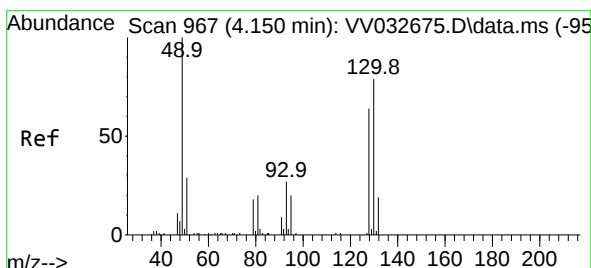
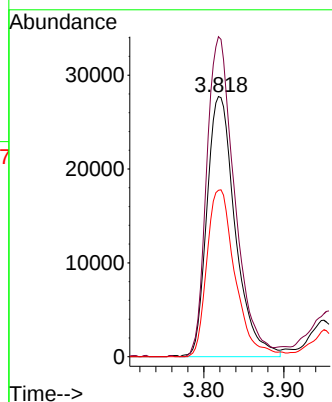
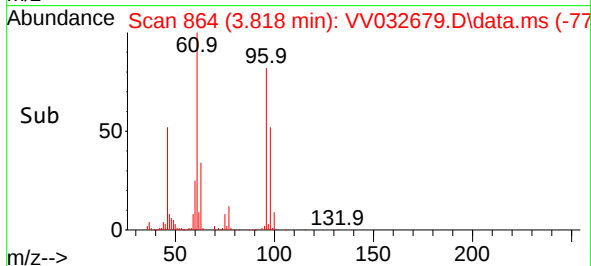


#22
 cis-1,2-Dichloroethene
 Concen: 4.920 ug/L
 RT: 3.818 min Scan# 863
 Delta R.T. 0.003 min
 Lab File: VV032679.D
 Acq: 27 Oct 2023 12:55

Instrument :
 MSVOA_V
 ClientSampleId :

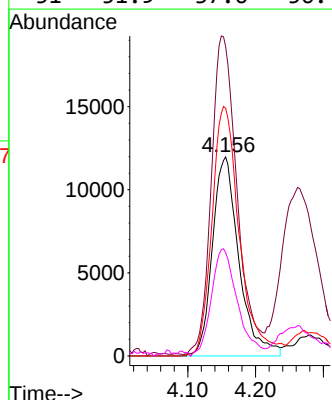
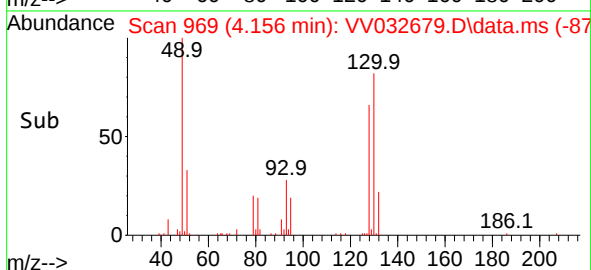
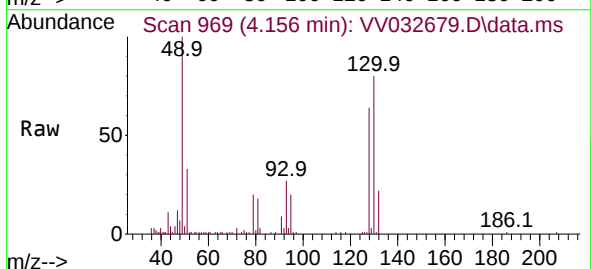


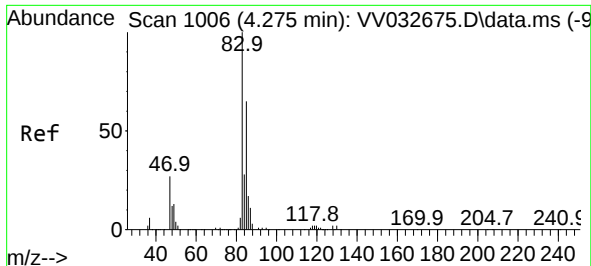
Tgt Ion: 96 Resp: 68291
 Ion Ratio Lower Upper
 96 100
 61 123.0 87.7 162.9
 98 64.0 45.0 83.6



#23
 Bromochloromethane
 Concen: 5.045 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. 0.006 min
 Lab File: VV032679.D
 Acq: 27 Oct 2023 12:55

Tgt Ion: 128 Resp: 32576
 Ion Ratio Lower Upper
 128 100
 49 155.4 110.4 205.0
 130 124.5 86.8 161.2
 51 51.9 37.6 56.4

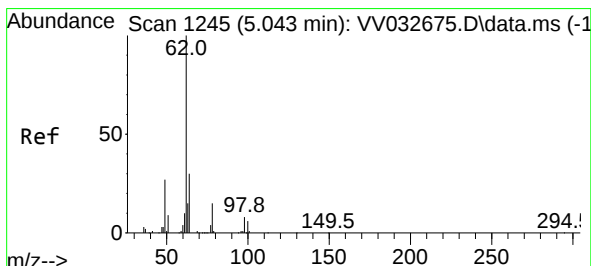
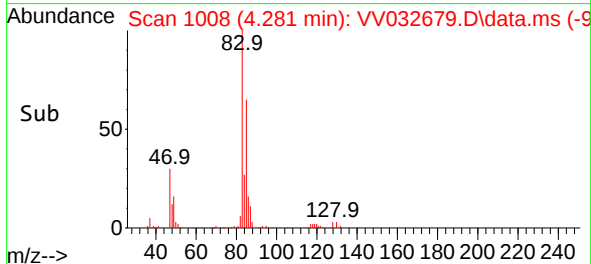
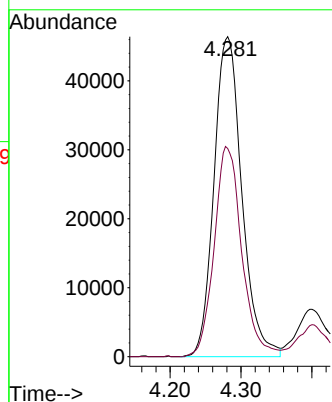
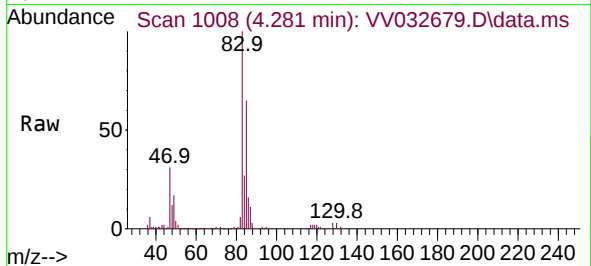




#25
Chloroform
Concen: 4.812 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.006 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

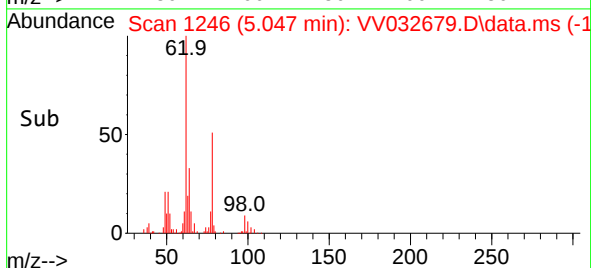
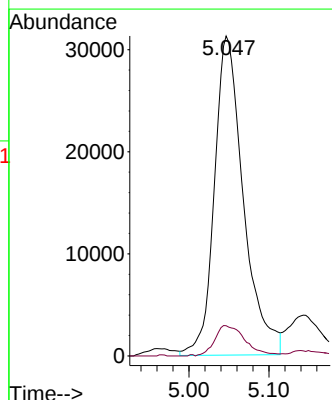
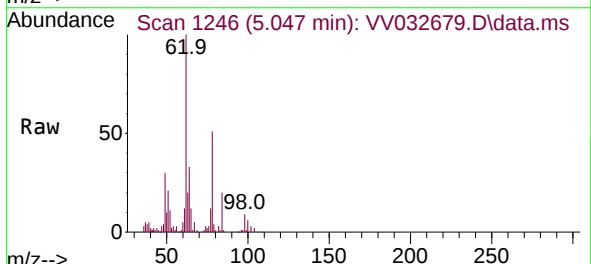
Instrument :
MSVOA_V
ClientSampleId :

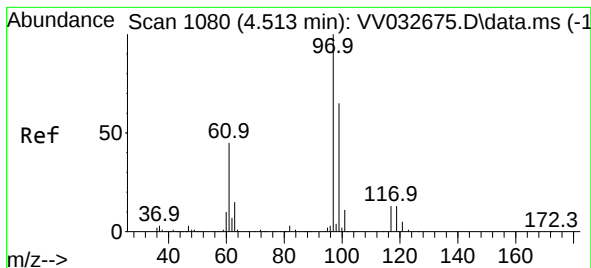
Tgt Ion: 83 Resp: 126991
Ion Ratio Lower Upper
83 100
85 65.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.808 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.003 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

Tgt Ion: 62 Resp: 78858
Ion Ratio Lower Upper
62 100
98 9.4 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 4.803 ug/L

RT: 4.516 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

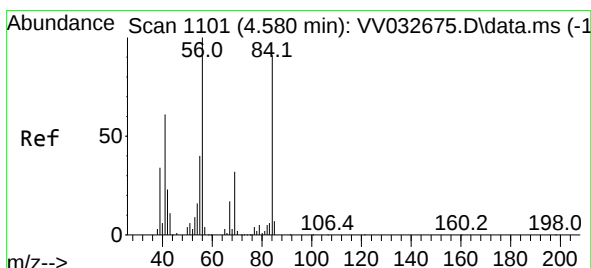
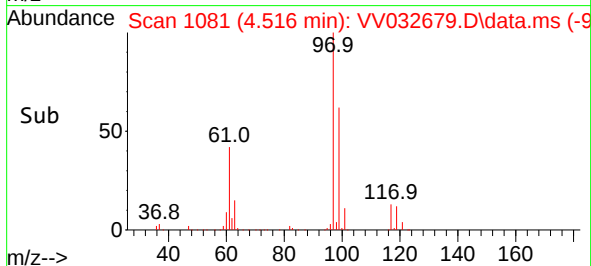
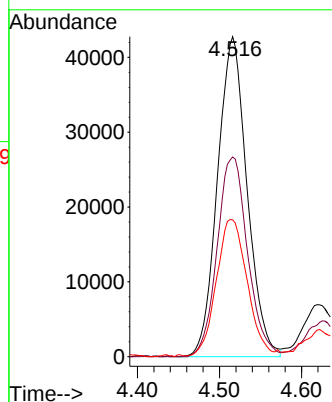
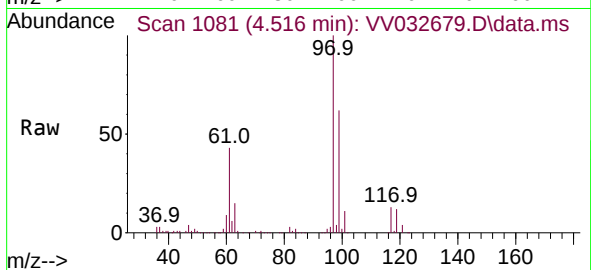
Tgt Ion: 97 Resp: 107267

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 44.1 36.1 54.1



#30

Cyclohexane

Concen: 4.951 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

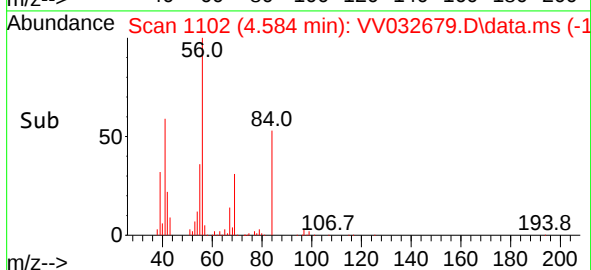
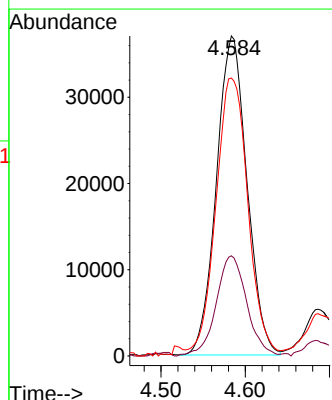
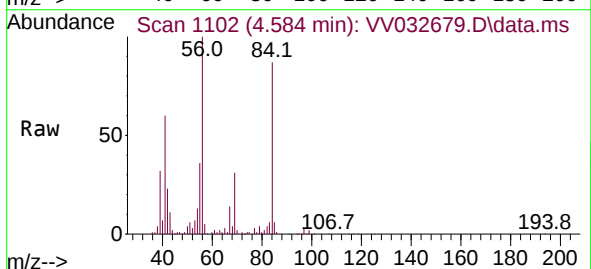
Tgt Ion: 56 Resp: 93195

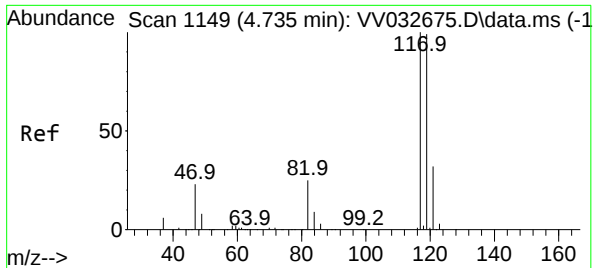
Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.6

84 88.0 72.9 109.3

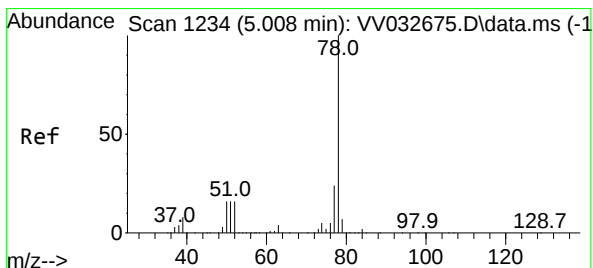
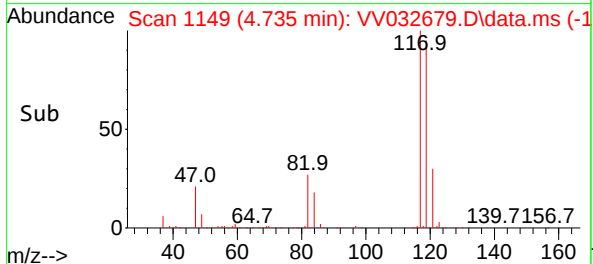
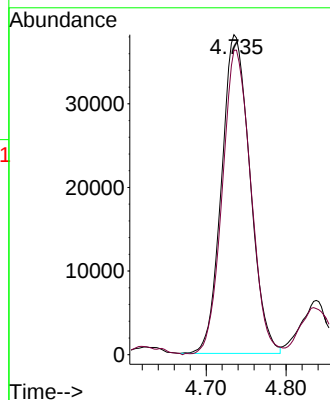
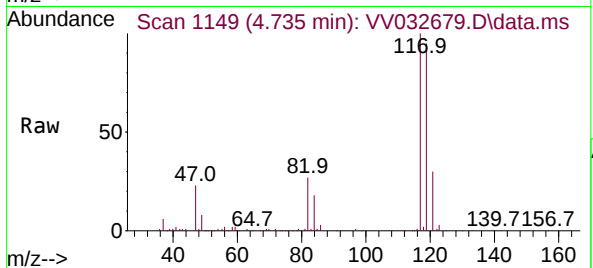




#31
Carbon tetrachloride
Concen: 4.855 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

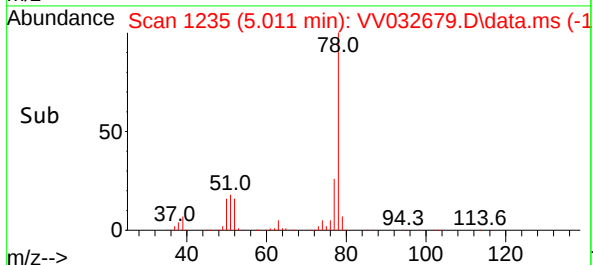
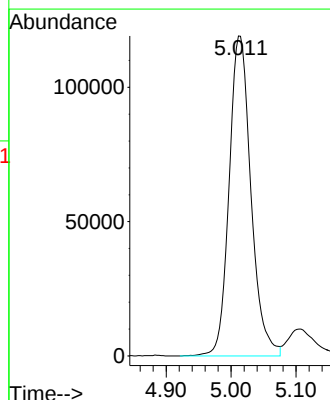
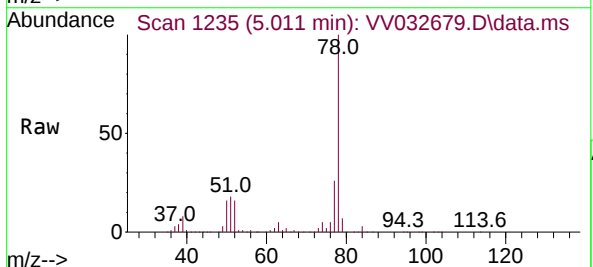
Instrument : MSVOA_V
ClientSampleId :

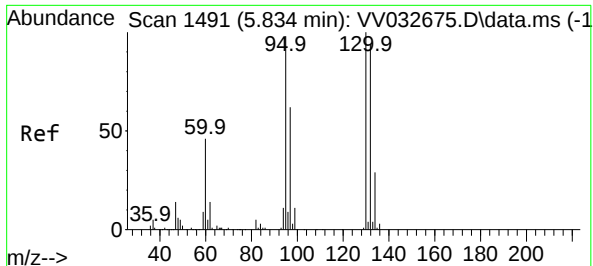
Tgt Ion:117 Resp: 94340
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.6



#33
Benzene
Concen: 5.101 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

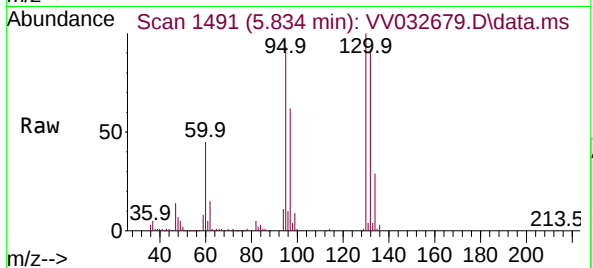
Tgt Ion: 78 Resp: 278413



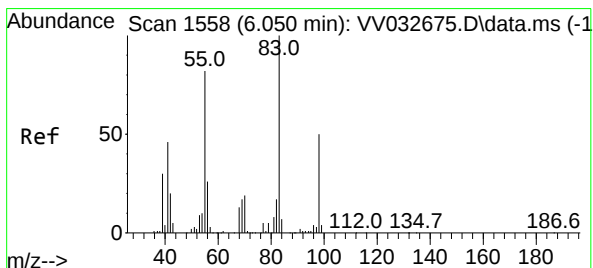
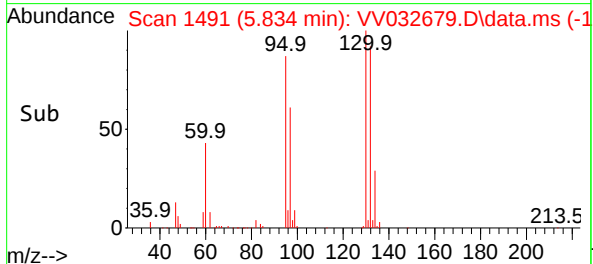
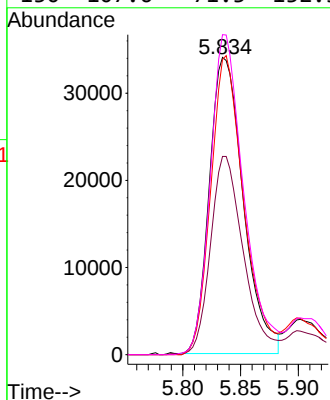


#34
Trichloroethene
Concen: 4.773 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

Instrument :
MSVOA_V
ClientSampleId :

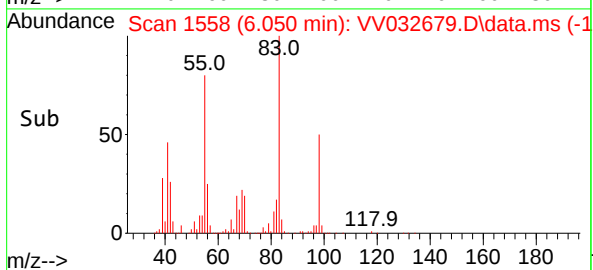
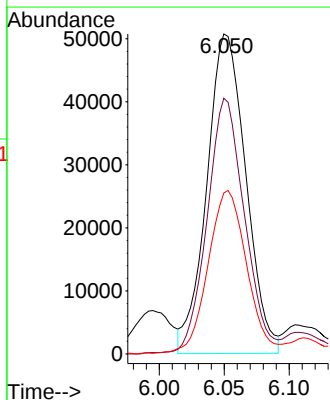
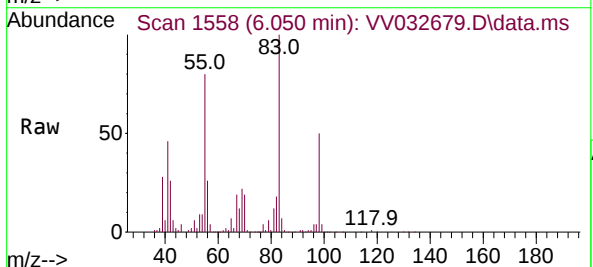


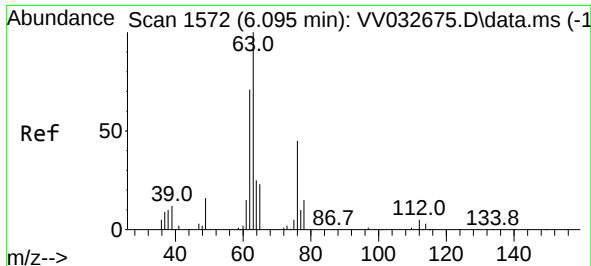
Tgt Ion:	95	Resp:	69592
Ion	Ratio	Lower	Upper
95	100		
97	66.7	44.0	81.8
132	99.3	66.9	124.3
130	107.6	71.3	132.3



#35
Methylcyclohexane
Concen: 4.873 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.000 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

Tgt Ion:	83	Resp:	106181
Ion	Ratio	Lower	Upper
83	100		
55	76.9	59.6	89.4
98	50.5	39.1	58.7





#37

1,2-Dichloropropane

Concen: 5.260 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

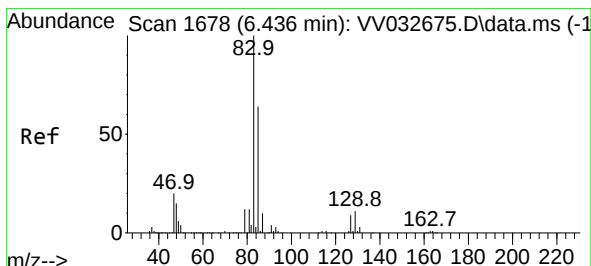
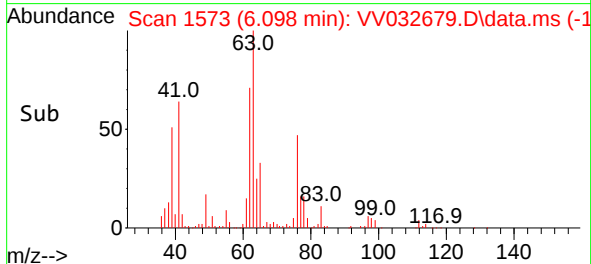
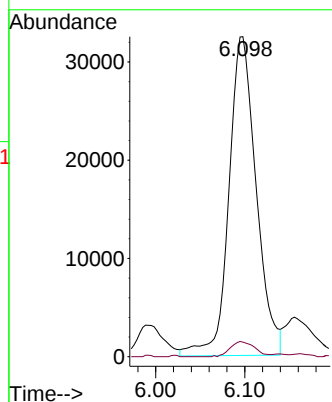
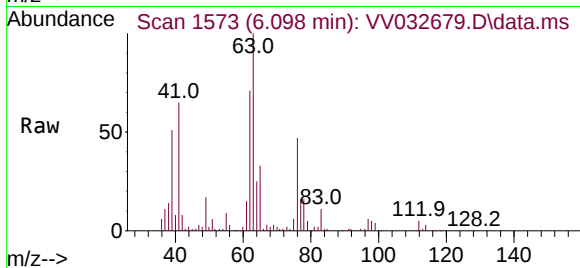
ClientSampleId :

Tgt Ion: 63 Resp: 69274

Ion Ratio Lower Upper

63 100

112 4.3 4.6 7.0#



#38

Bromodichloromethane

Concen: 4.616 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

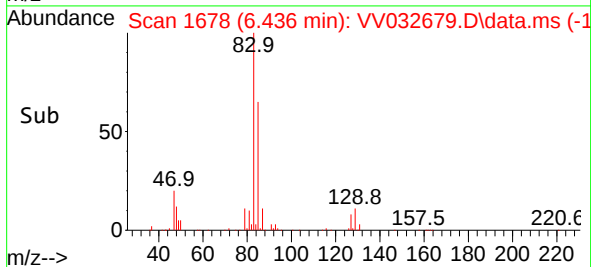
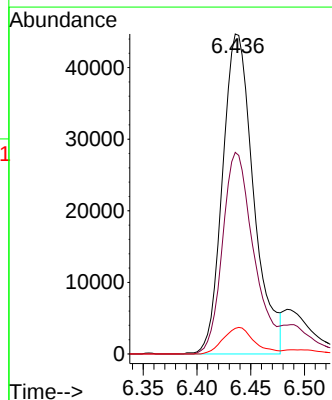
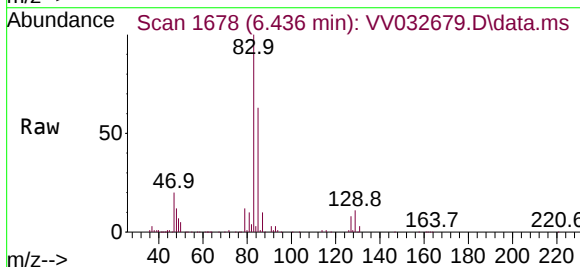
Tgt Ion: 83 Resp: 89808

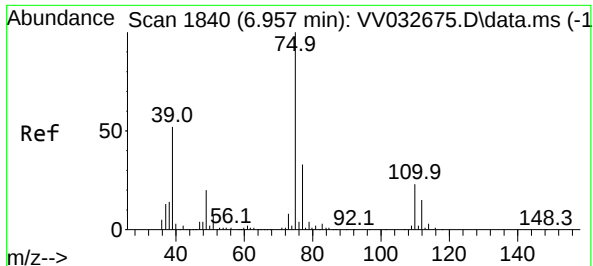
Ion Ratio Lower Upper

83 100

85 63.0 44.9 83.5

127 8.0 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.296 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

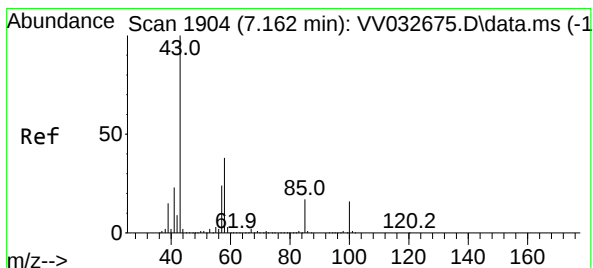
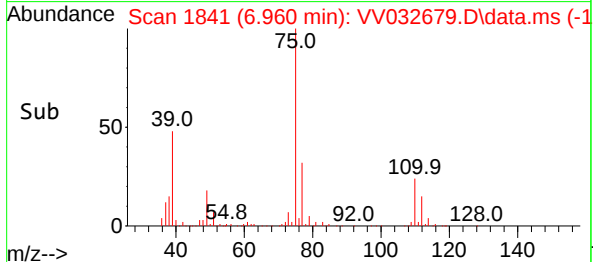
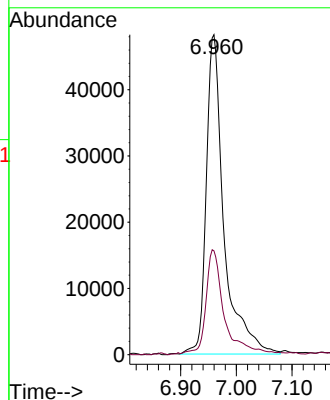
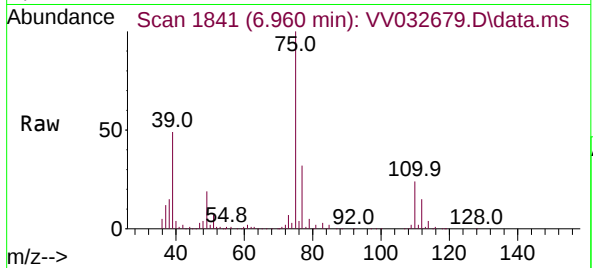
ClientSampleId :

Tgt Ion: 75 Resp: 106174

Ion Ratio Lower Upper

75 100

77 32.4 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 54.380 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

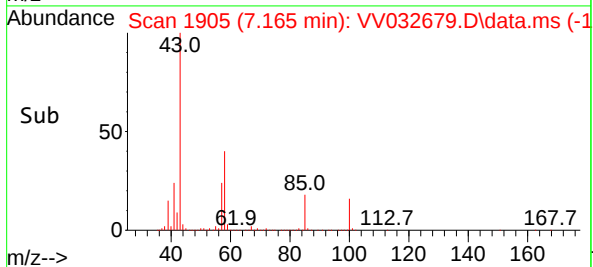
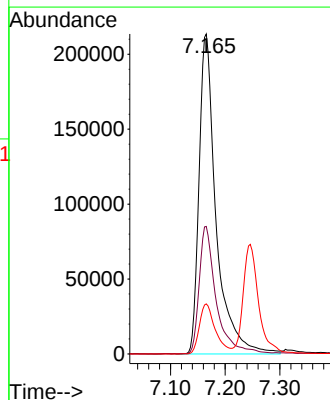
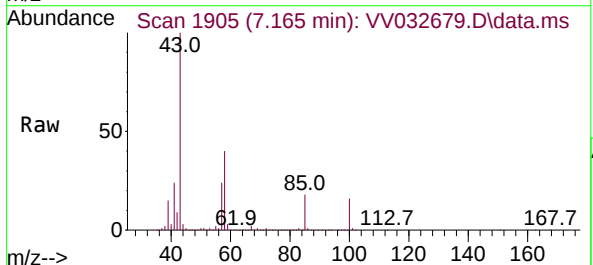
Tgt Ion: 43 Resp: 462097

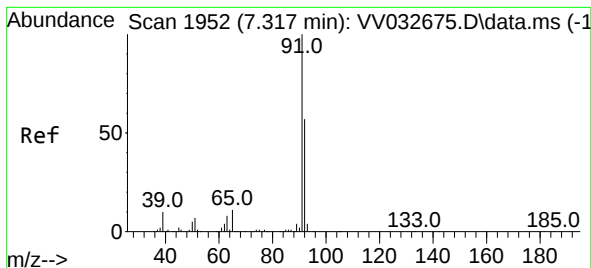
Ion Ratio Lower Upper

43 100

58 39.9 31.3 46.9

100 14.7 12.2 18.4





#42

Toluene

Concen: 5.166 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

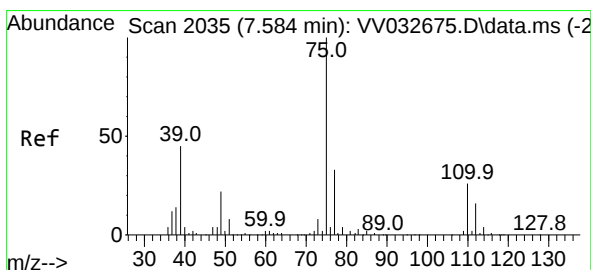
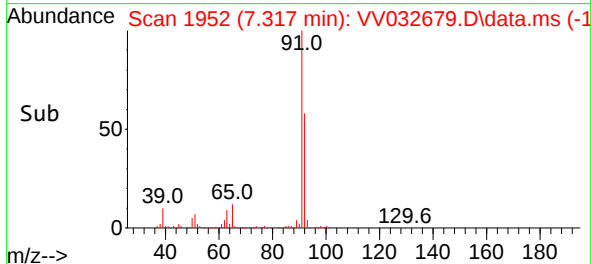
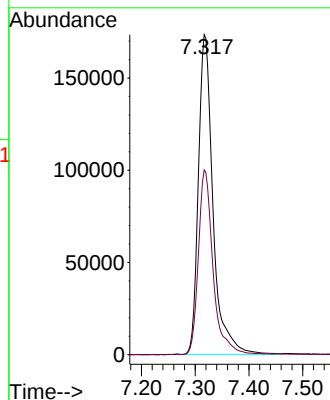
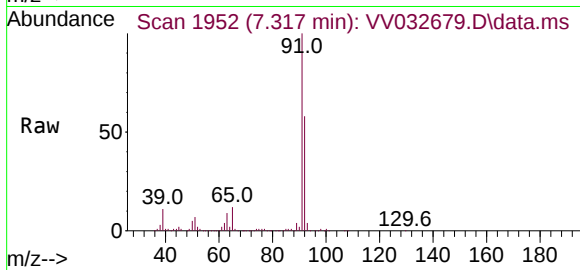
ClientSampleId :

Tgt Ion: 91 Resp: 327562

Ion Ratio Lower Upper

91 100

92 57.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.355 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV032679.D

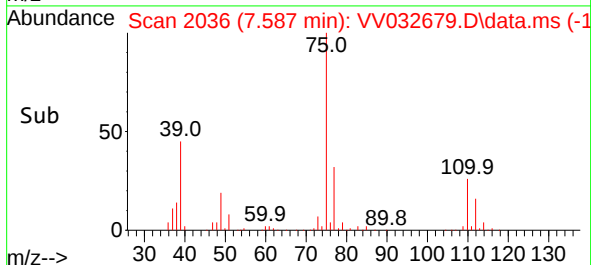
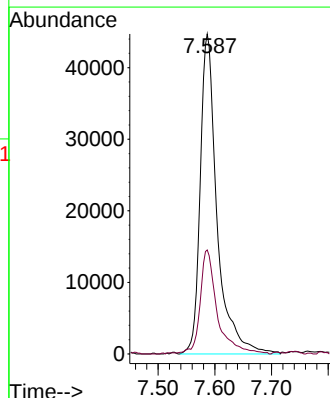
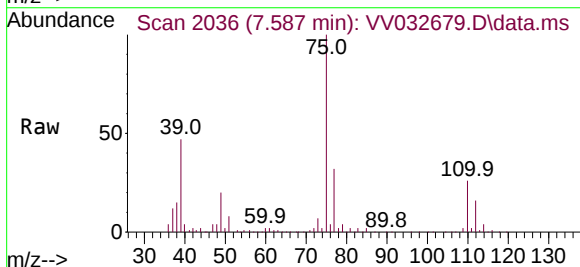
Acq: 27 Oct 2023 12:55

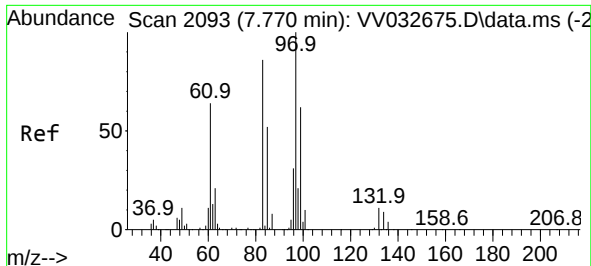
Tgt Ion: 75 Resp: 92388

Ion Ratio Lower Upper

75 100

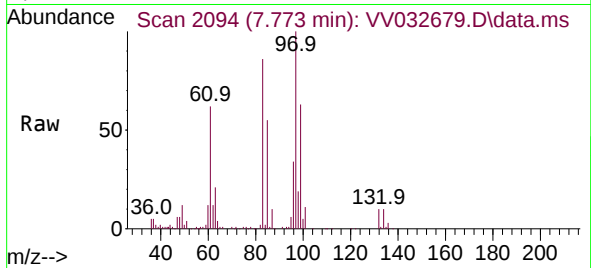
77 32.5 23.4 43.4



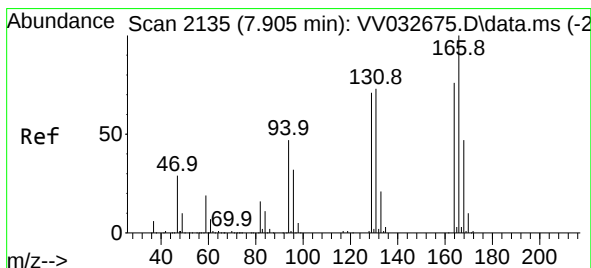
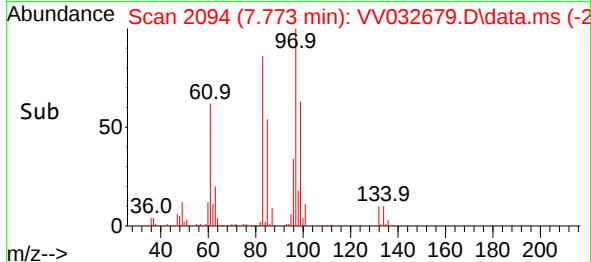
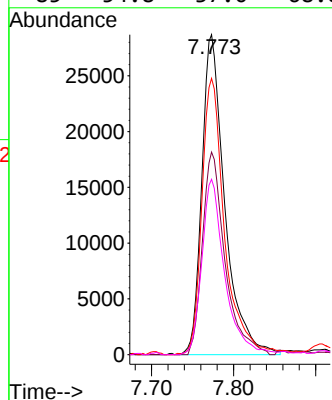


#45
1,1,2-Trichloroethane
Concen: 5.029 ug/L
RT: 7.773 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

Instrument :
MSVOA_V
ClientSampleId :

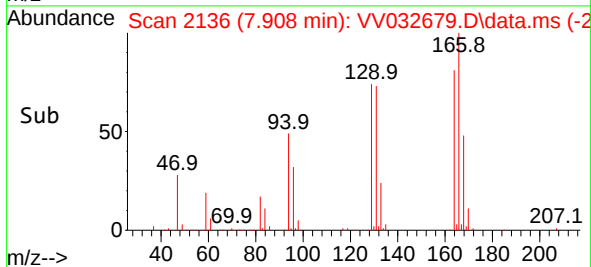
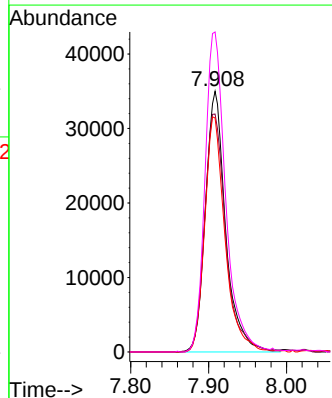
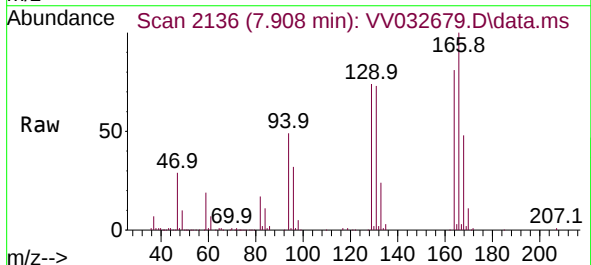


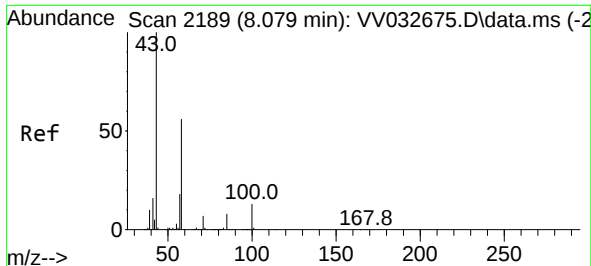
Tgt Ion:	97	Resp:	55936
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.0	81.8
83	86.4	59.9	111.3
85	54.8	37.0	68.8



#47
Tetrachloroethene
Concen: 4.926 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

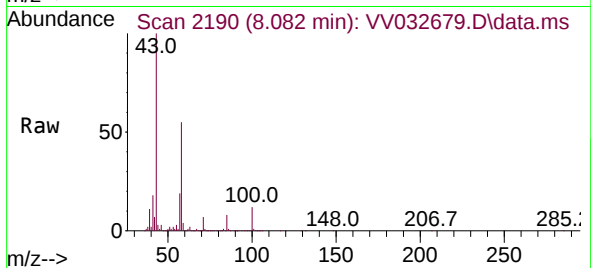
Tgt Ion:	164	Resp:	63472
Ion	Ratio	Lower	Upper
164	100		
129	91.2	65.3	121.3
131	89.8	66.6	123.8
166	122.7	91.6	170.2





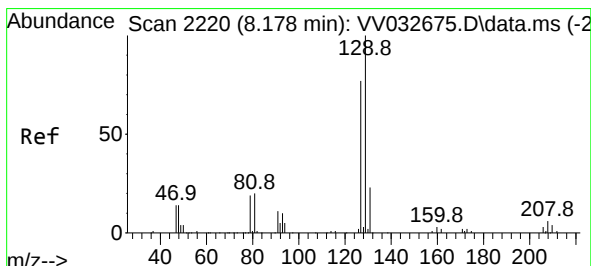
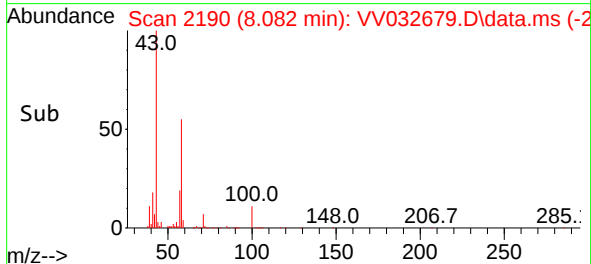
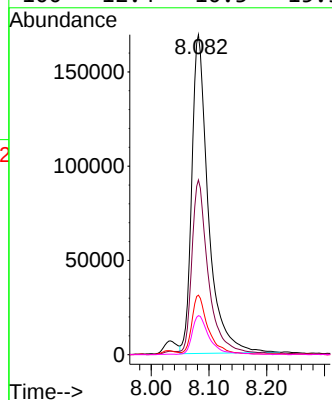
#48
2-Hexanone
Concen: 54.153 ug/L
RT: 8.082 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 336572

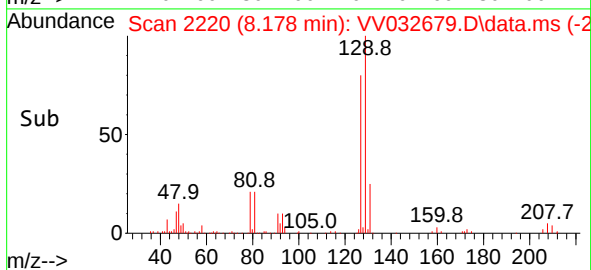
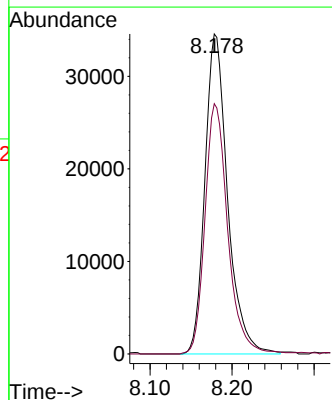
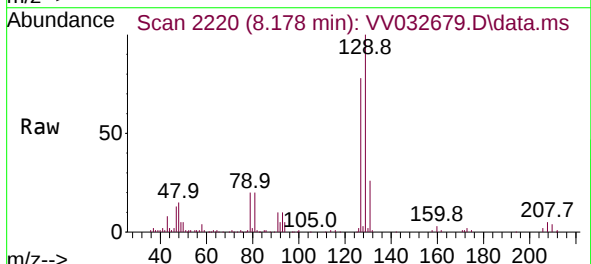
Ion	Ratio	Lower	Upper
43	100		
58	52.6	43.8	65.6
57	18.1	15.1	22.7
100	12.4	10.3	15.5

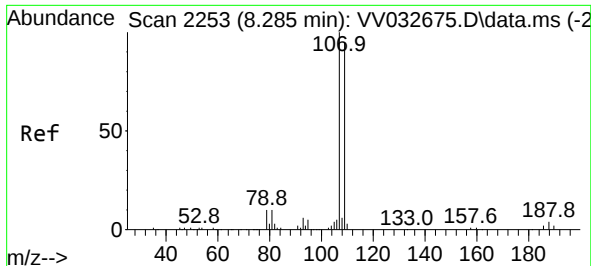


#49
Dibromochloromethane
Concen: 5.035 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

Tgt Ion: 129 Resp: 66425

Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.0	100.4





#50

1,2-Dibromoethane

Concen: 5.147 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

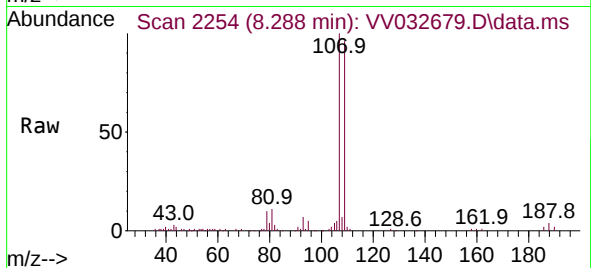
Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :



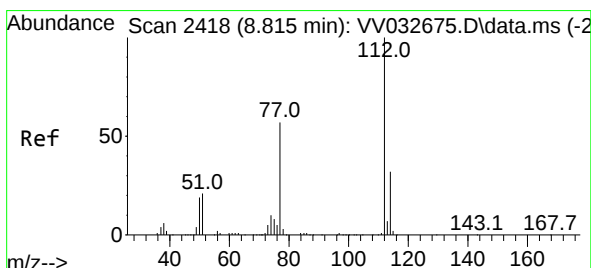
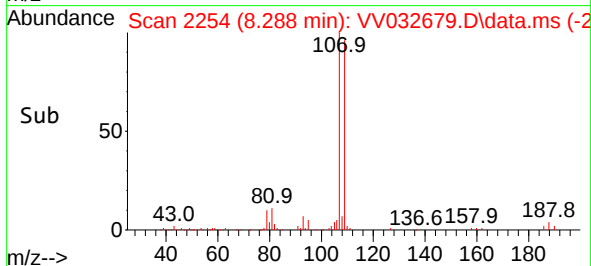
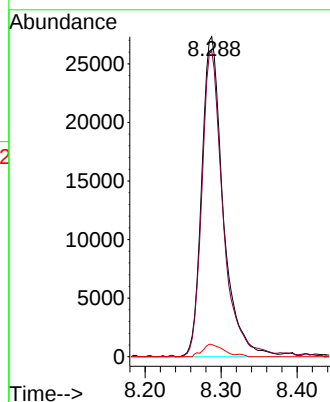
Tgt Ion:107 Resp: 53429

Ion Ratio Lower Upper

107 100

109 95.5 66.4 123.4

188 3.8 2.9 4.3



#51

Chlorobenzene

Concen: 4.978 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. -0.000 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

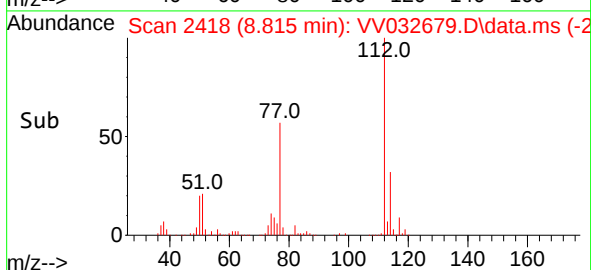
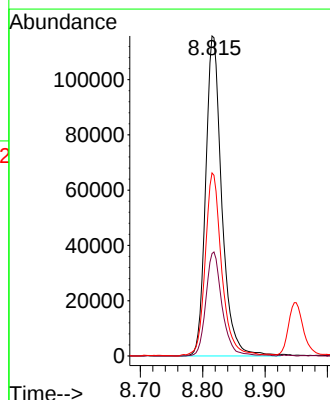
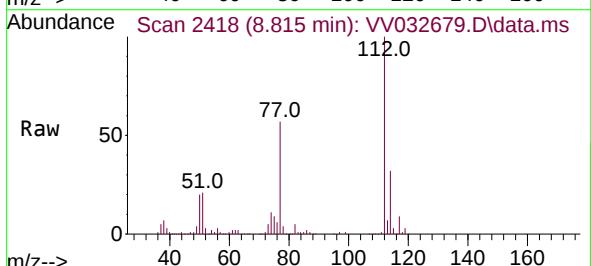
Tgt Ion:112 Resp: 208555

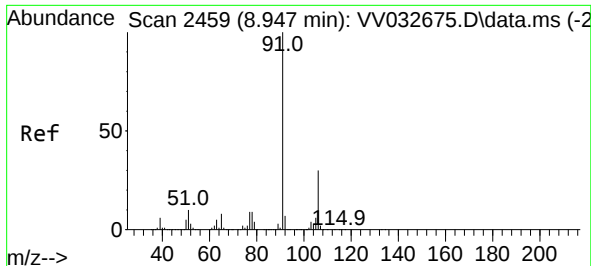
Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.3

77 57.2 45.7 68.5

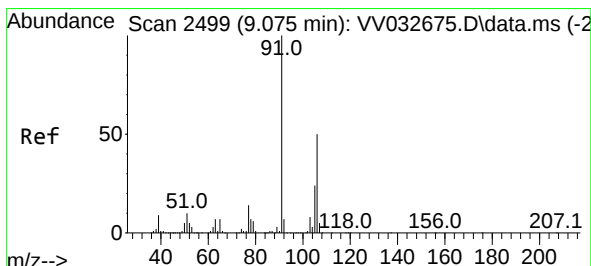
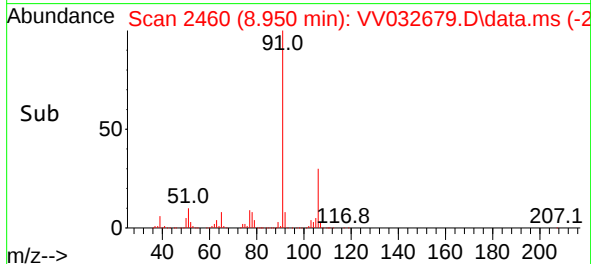
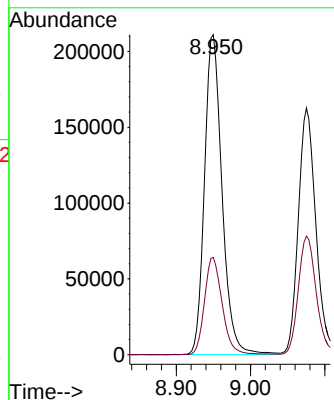
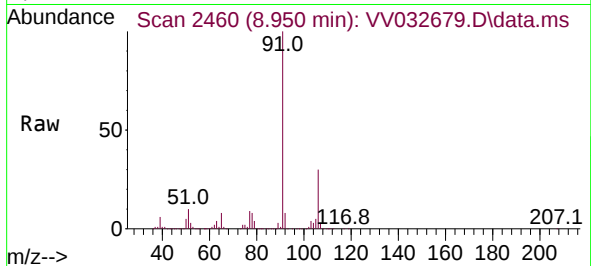




#52
Ethylbenzene
Concen: 5.186 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

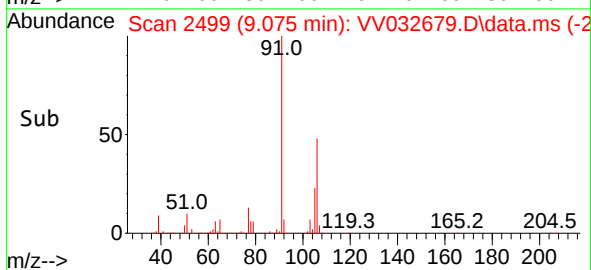
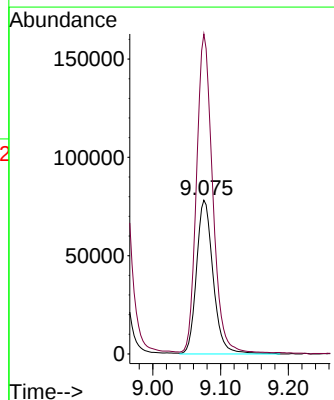
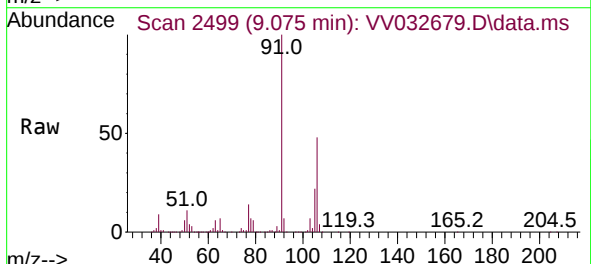
Instrument :
MSVOA_V
ClientSampleId :

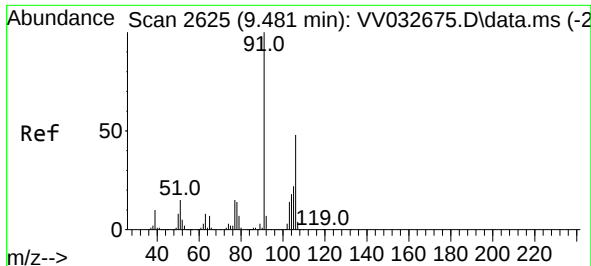
Tgt Ion: 91 Resp: 345677
Ion Ratio Lower Upper
91 100
106 30.4 20.9 38.9



#53
m,p-Xylene
Concen: 5.285 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

Tgt Ion: 106 Resp: 133406
Ion Ratio Lower Upper
106 100
91 208.0 139.3 258.7

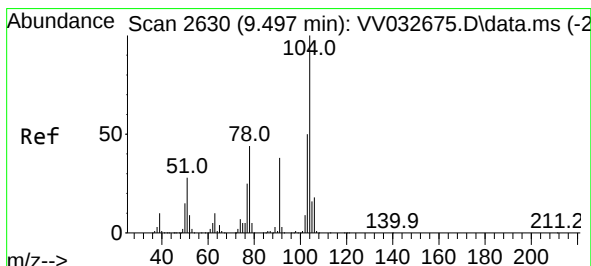
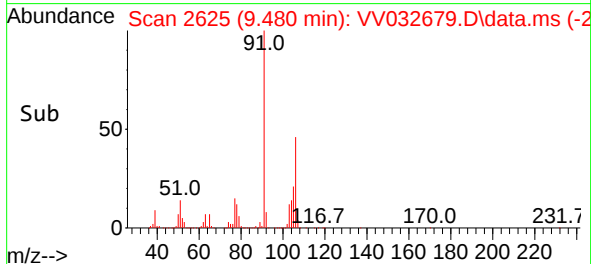
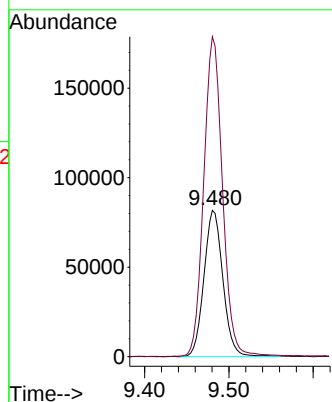
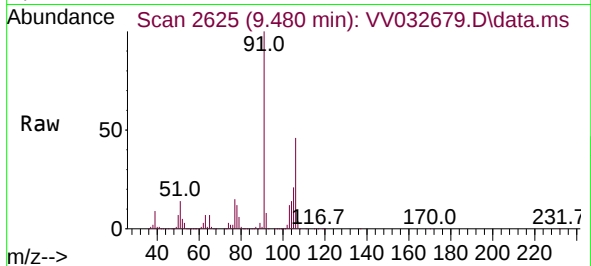




#54
o-Xylene
Concen: 5.232 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

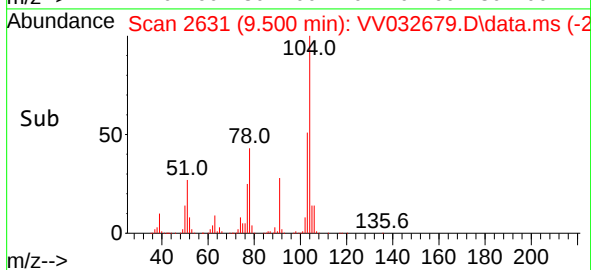
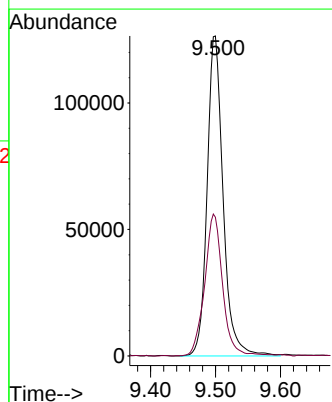
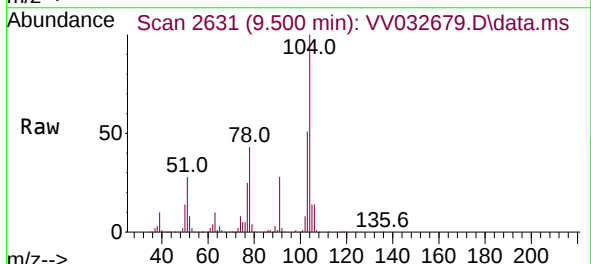
Instrument :
MSVOA_V
ClientSampleId :

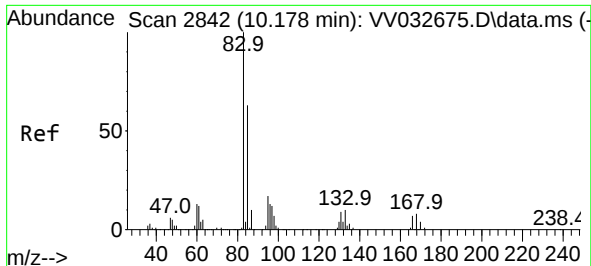
Tgt Ion:106 Resp: 128108
Ion Ratio Lower Upper
106 100
91 218.7 147.4 273.8



#55
Styrene
Concen: 5.353 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

Tgt Ion:104 Resp: 217147
Ion Ratio Lower Upper
104 100
78 43.3 30.5 56.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.140 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

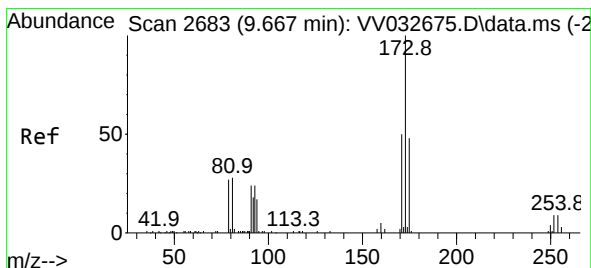
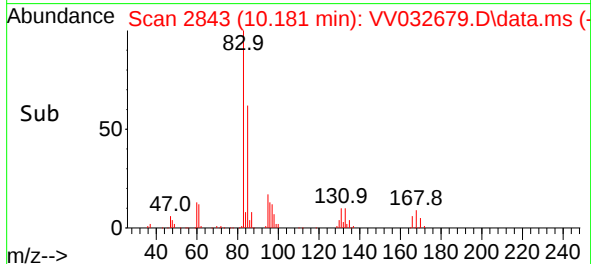
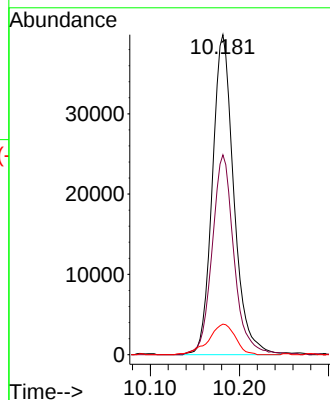
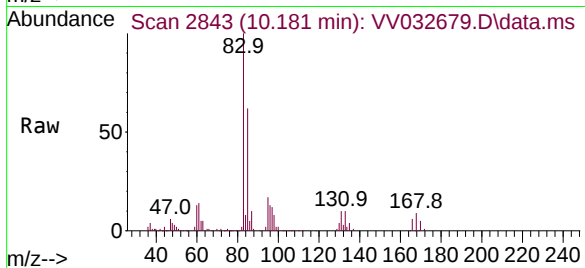
Tgt Ion: 83 Resp: 66680

Ion Ratio Lower Upper

83 100

85 62.4 44.0 81.8

131 9.5 7.8 11.8



#59

Bromoform

Concen: 4.997 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.003 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

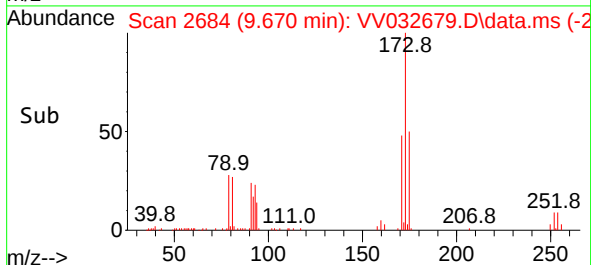
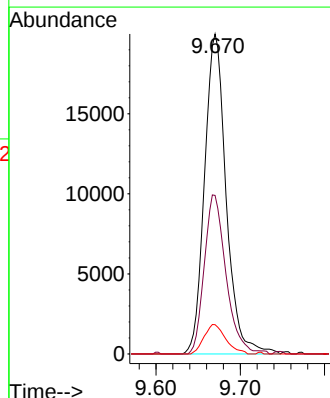
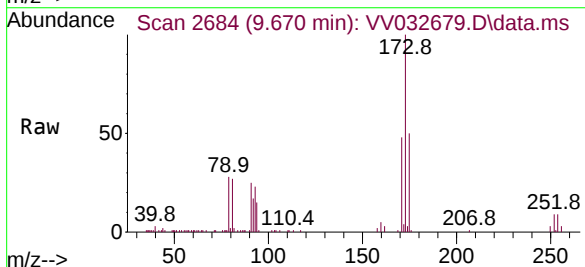
Tgt Ion: 173 Resp: 35674

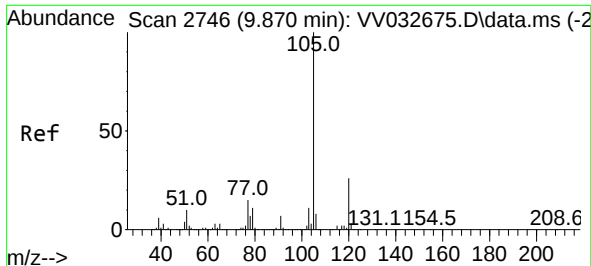
Ion Ratio Lower Upper

173 100

175 50.0 38.4 57.6

254 9.2 6.9 10.3

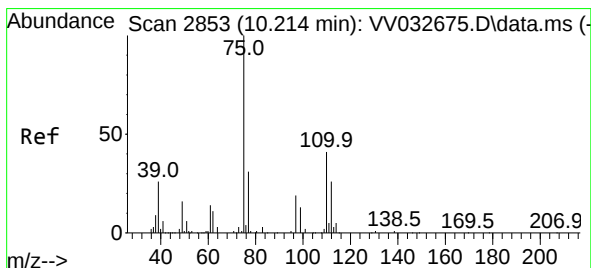
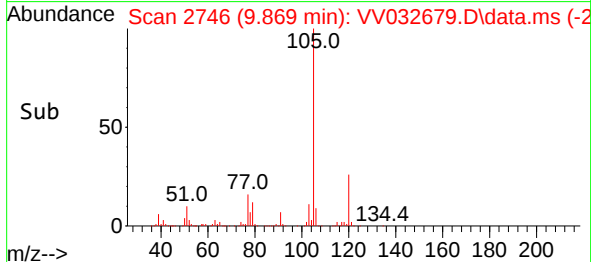
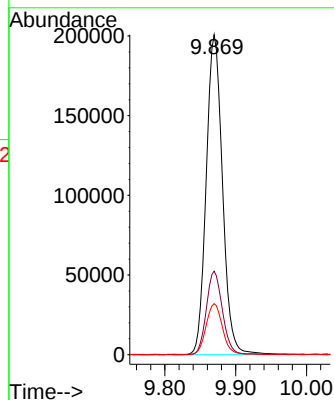
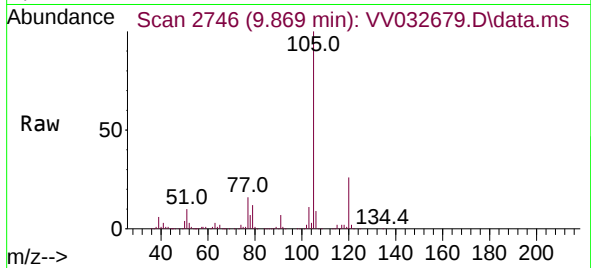




#60
Isopropylbenzene
Concen: 5.184 ug/L
RT: 9.869 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

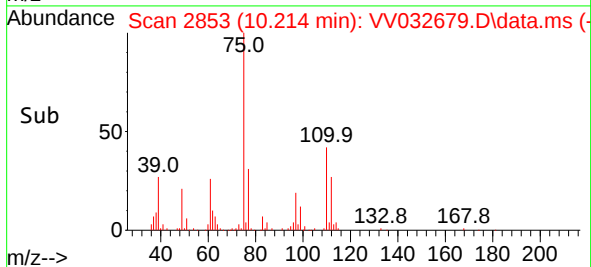
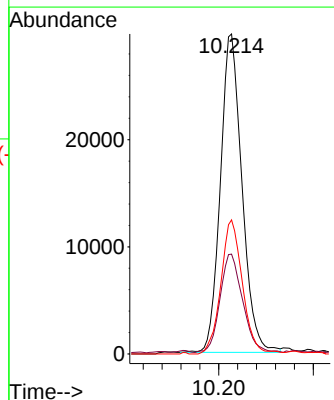
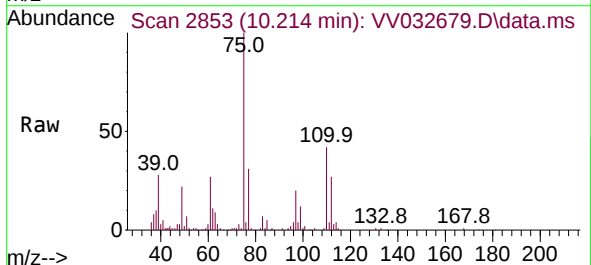
Instrument :
MSVOA_V
ClientSampleId :

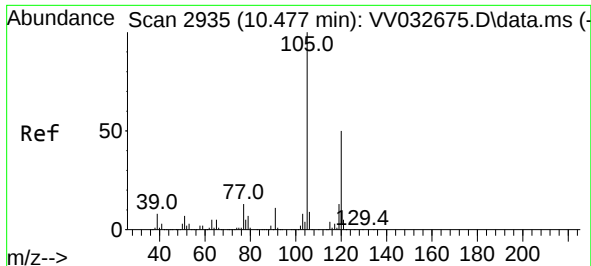
Tgt Ion:105 Resp: 320138
Ion Ratio Lower Upper
105 100
120 25.7 21.0 31.6
77 15.8 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.896 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032679.D
Acq: 27 Oct 2023 12:55

Tgt Ion: 75 Resp: 47118
Ion Ratio Lower Upper
75 100
77 32.2 24.5 36.7
110 42.1 32.3 48.5

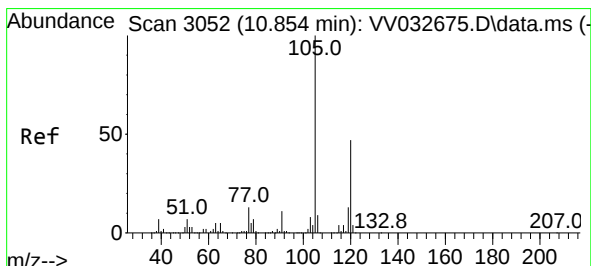
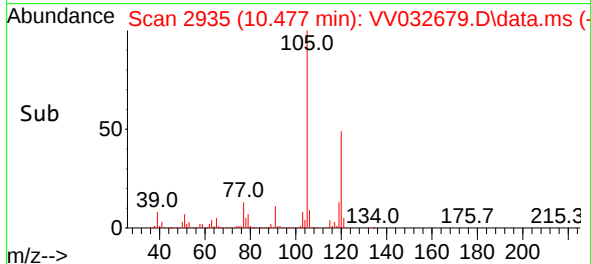
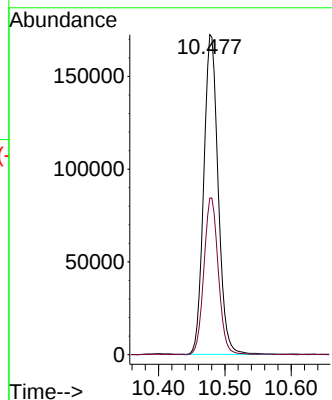
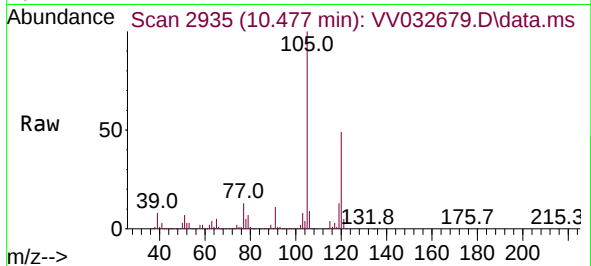




#62
 1,3,5-Trimethylbenzene
 Concen: 5.151 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VV032679.D
 Acq: 27 Oct 2023 12:55

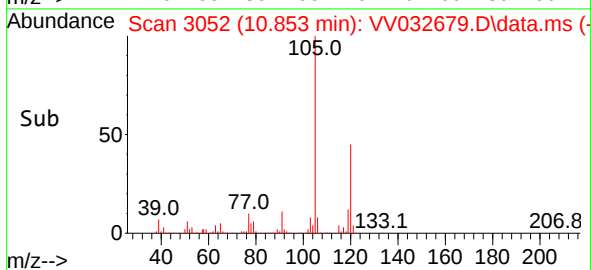
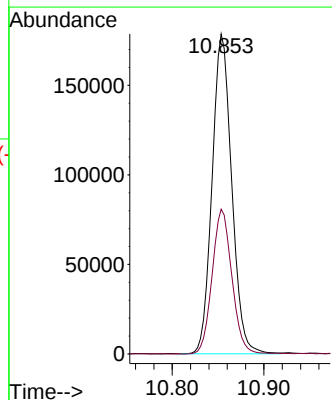
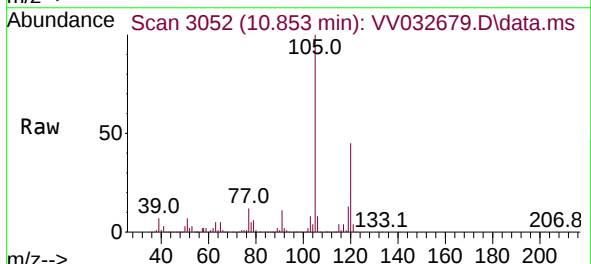
Instrument :
 MSVOA_V
 ClientSampleId :

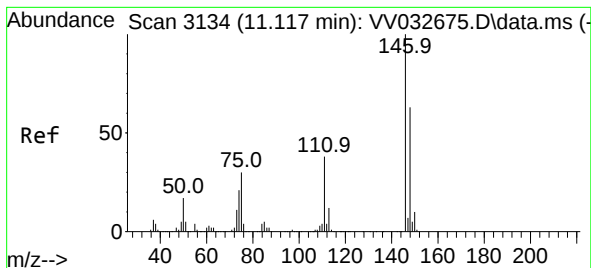
Tgt Ion:105 Resp: 260092
 Ion Ratio Lower Upper
 105 100
 120 49.2 39.4 59.2



#63
 1,2,4-Trimethylbenzene
 Concen: 5.316 ug/L
 RT: 10.853 min Scan# 3052
 Delta R.T. -0.000 min
 Lab File: VV032679.D
 Acq: 27 Oct 2023 12:55

Tgt Ion:105 Resp: 265222
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.9 55.3





#64

1,3-Dichlorobenzene

Concen: 5.033 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.003 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

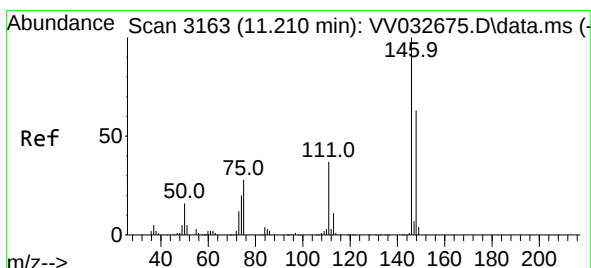
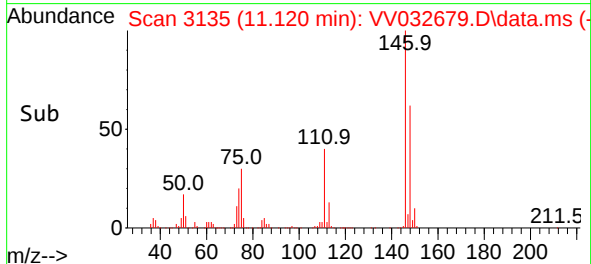
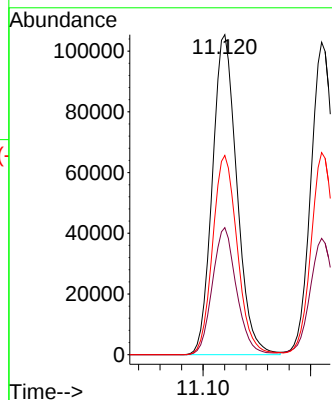
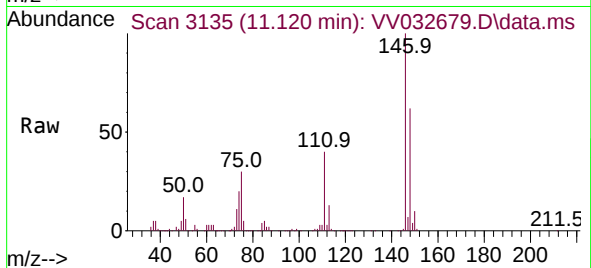
Tgt Ion:146 Resp: 166783

Ion Ratio Lower Upper

146 100

111 39.7 26.8 49.8

148 62.2 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 4.983 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

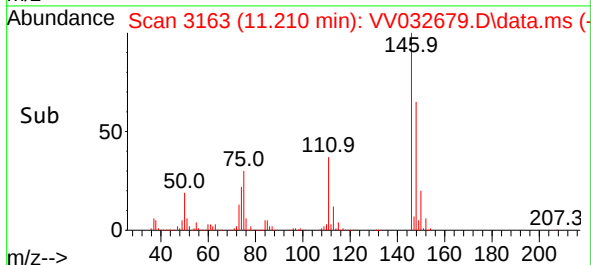
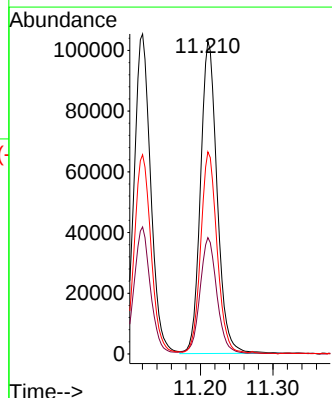
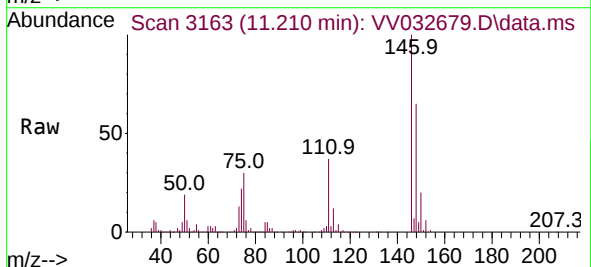
Tgt Ion:146 Resp: 163926

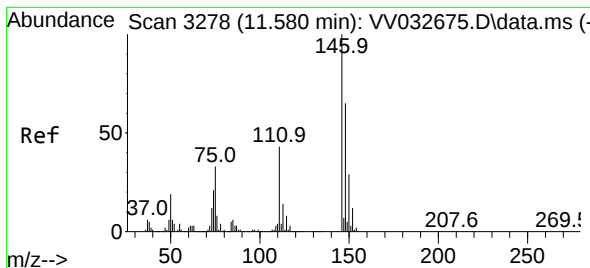
Ion Ratio Lower Upper

146 100

111 37.2 26.2 48.8

148 64.7 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.111 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

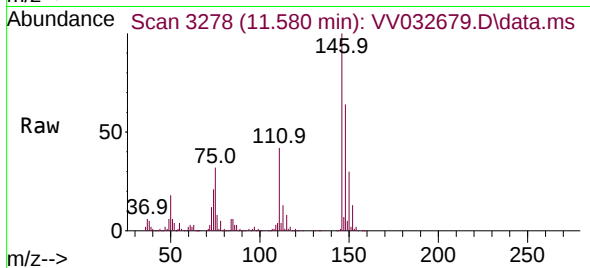
Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :



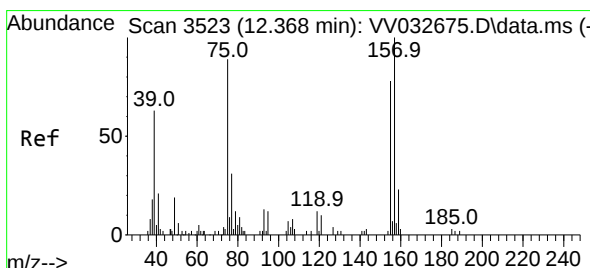
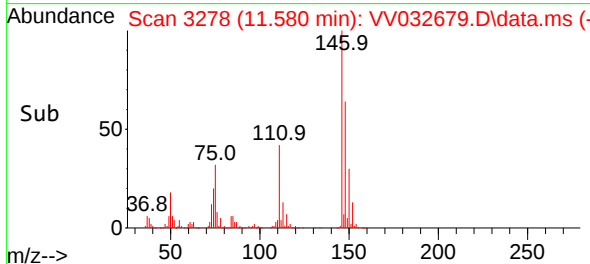
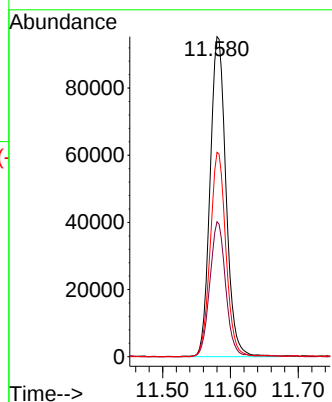
Tgt Ion:146 Resp: 155775

Ion Ratio Lower Upper

146 100

111 42.2 34.2 51.4

148 63.8 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.473 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

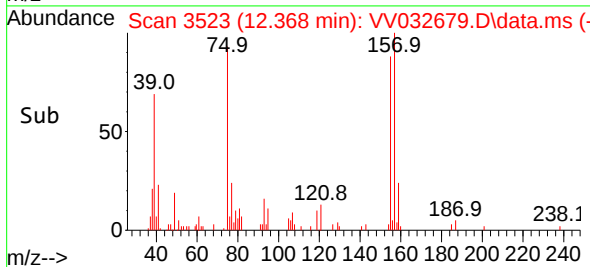
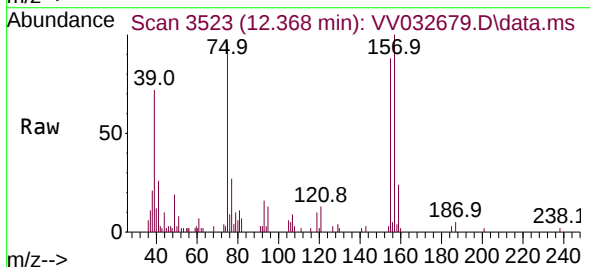
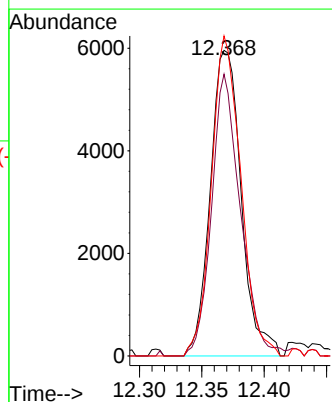
Tgt Ion: 75 Resp: 10289

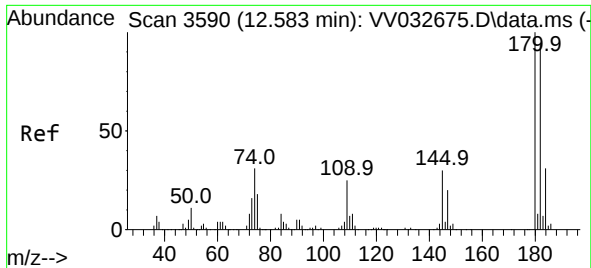
Ion Ratio Lower Upper

75 100

155 92.2 70.1 105.1

157 104.7 90.2 135.2





#69

1,3,5-Trichlorobenzene

Concen: 4.939 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

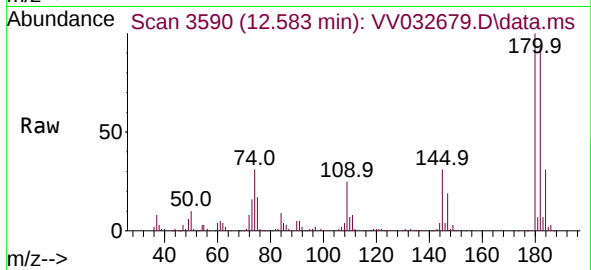
Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 116832

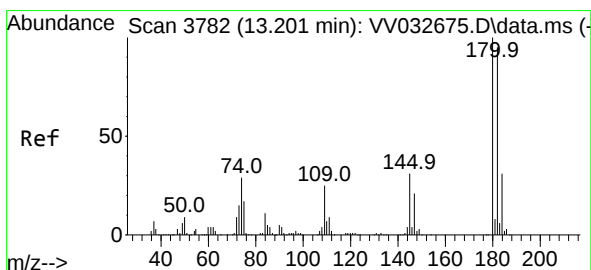
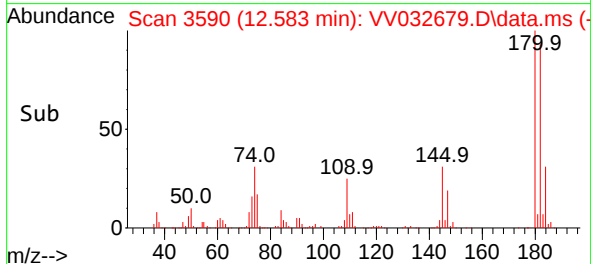
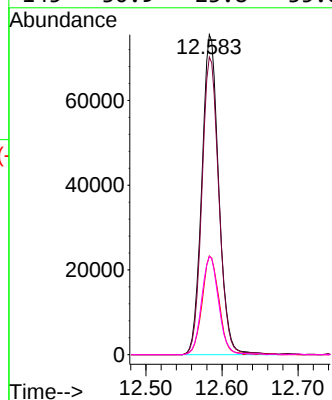
Ion Ratio Lower Upper

180 100

182 93.0 76.6 115.0

184 30.7 24.3 36.5

145 30.9 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 4.962 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

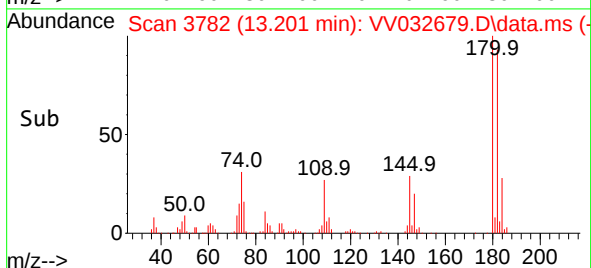
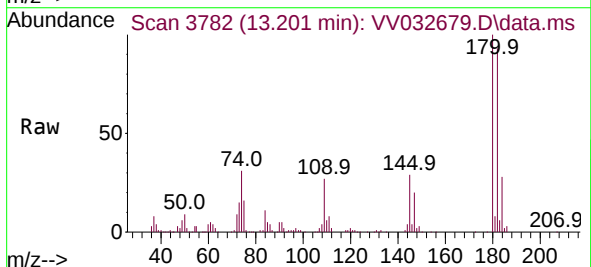
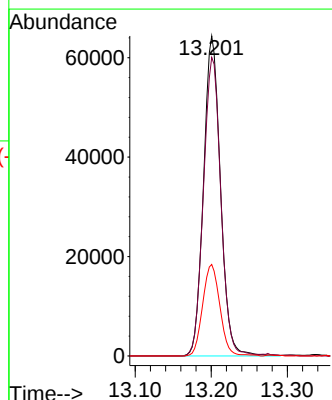
Tgt Ion:180 Resp: 99593

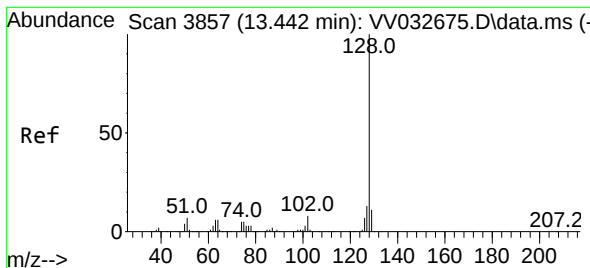
Ion Ratio Lower Upper

180 100

182 95.7 75.7 113.5

145 29.1 25.0 37.4





#71

Naphthalene

Concen: 5.554 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Instrument :

MSVOA_V

ClientSampleId :

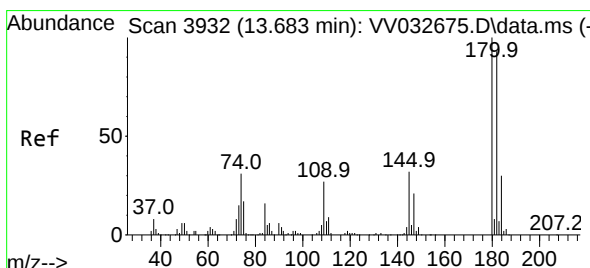
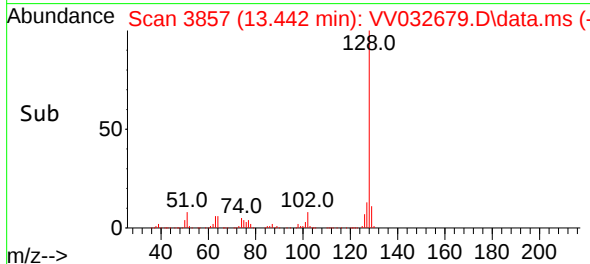
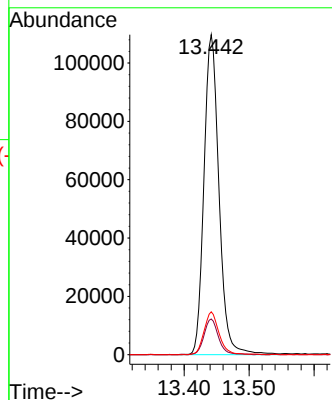
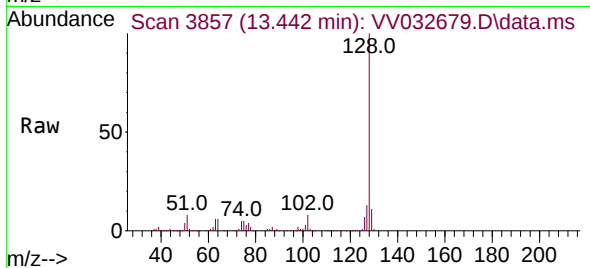
Tgt Ion:128 Resp: 176669

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

127 13.3 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.265 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032679.D

Acq: 27 Oct 2023 12:55

Tgt Ion:180 Resp: 92918

Ion Ratio Lower Upper

180 100

182 96.2 75.4 113.2

145 32.2 26.4 39.6

