

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092523\
 Data File : VW032167.D
 Acq On : 25 Sep 2023 11:52
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 26 01:04:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 26 01:03:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	267037	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	252152	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	135252	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	7659	4.609	ug/L	0.00
7) Chloroethane-d5	1.532	69	6854	4.682	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	3361	4.363	ug/L	0.00
21) 2-Butanone-d5	3.818	46	9044	6.631	ug/L	0.03
24) Chloroform-d	4.256	84	16048	4.422	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	9021	3.801	ug/L	0.00
32) Benzene-d6	4.966	84	31016	4.533	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	9902	4.421	ug/L	0.00
41) Toluene-d8	7.249	98	28028	4.441	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	4607	4.054	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	6690	8.932	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.159	84	13969	4.734	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	11602	4.694	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	10736	6.100	ug/L	97
3) Chloromethane	1.217	50	11982	6.614	ug/L	97
5) Vinyl chloride	1.282	62	11403	6.042	ug/L	95
6) Bromomethane	1.487	94	6660	5.932	ug/L	98
8) Chloroethane	1.548	64	7327	5.927	ug/L	99
9) Trichlorofluoromethane	1.712	101	14881	5.579	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8871	5.493	ug/L	98
12) 1,1-Dichloroethene	2.069	96	8158	5.585	ug/L	98
13) Acetone	2.114	43	13988	11.650	ug/L	97
14) Carbon disulfide	2.240	76	25945	7.159	ug/L	100
15) Methyl Acetate	2.378	43	10099	4.627	ug/L	98
16) Methylene chloride	2.449	84	11200	5.977	ug/L	93
17) trans-1,2-Dichloroethene	2.696	96	9365	5.828	ug/L	96
18) Methyl tert-butyl Ether	2.706	73	29803	4.567	ug/L	98
19) 1,1-Dichloroethane	3.114	63	17716	5.032	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	10075	5.079	ug/L	86
22) 2-Butanone	3.892	43	12207	7.634	ug/L	99
23) Bromochloromethane	4.156	128	5082	5.253	ug/L #	88
25) Chloroform	4.281	83	17647	4.898	ug/L	95
27) 1,2-Dichloroethane	5.047	62	13595	4.811	ug/L	97
29) Cyclohexane	4.580	56	16465	5.892	ug/L	95
30) 1,1,1-Trichloroethane	4.513	97	15071	5.090	ug/L	99
31) Carbon tetrachloride	4.735	117	12847	5.080	ug/L	99
33) Benzene	5.014	78	37175	5.275	ug/L	100
34) Trichloroethene	5.838	95	10884	5.212	ug/L	98
35) Methylcyclohexane	6.050	83	17288	5.971	ug/L	99
37) 1,2-Dichloropropane	6.101	63	10700	5.499	ug/L	99
38) Bromodichloromethane	6.439	83	12302	4.496	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	15016	4.456	ug/L	97
40) 4-Methyl-2-pentanone	7.166	43	27835	8.941	ug/L	99
42) Toluene	7.320	91	39842	5.198	ug/L	97
44) trans-1,3-Dichloropropene	7.590	75	14141	4.398	ug/L	96

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 ClientSampleId :

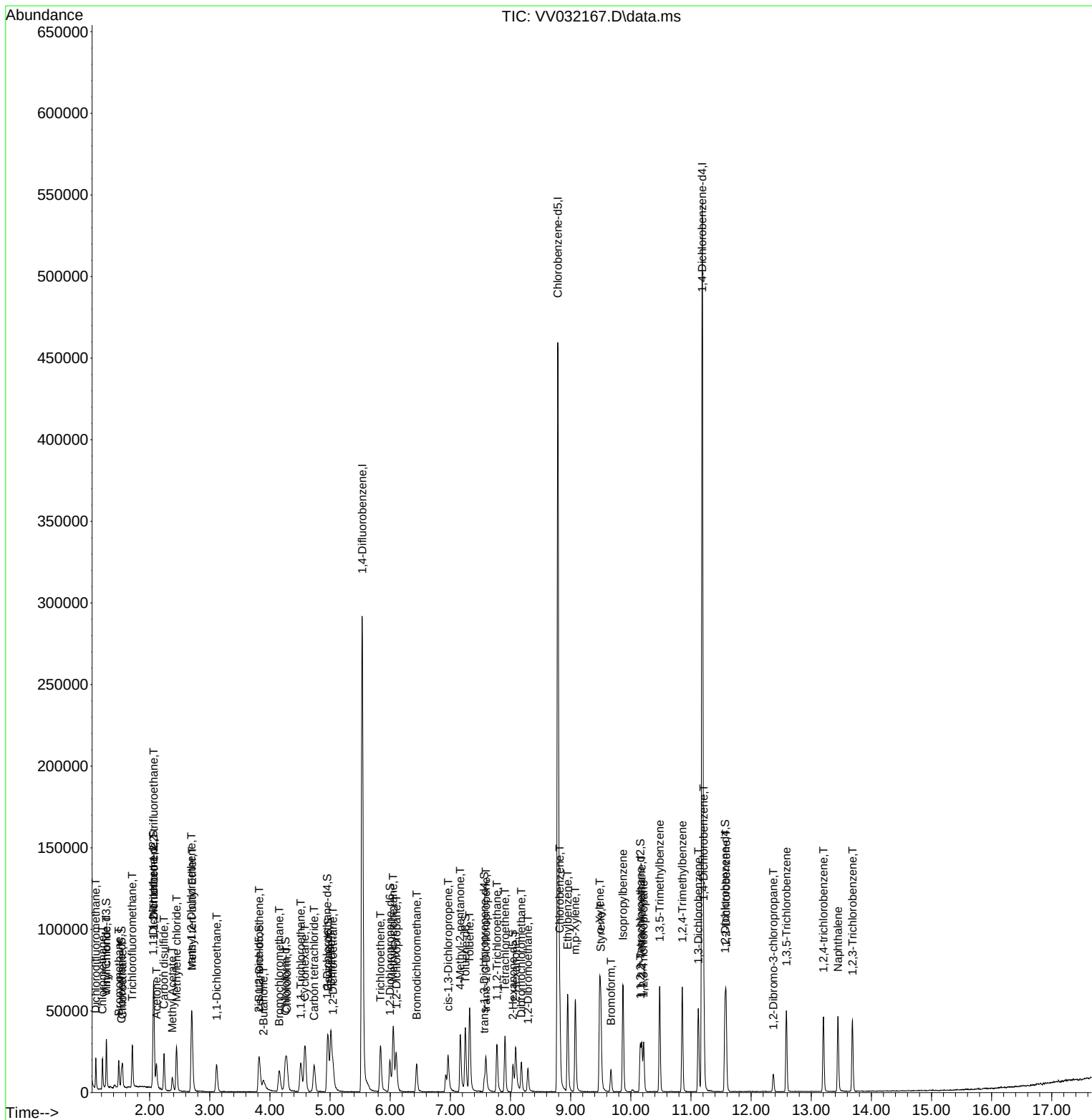
Quant Time: Sep 26 01:04:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 26 01:03:52 2023
 Response via : Initial Calibration

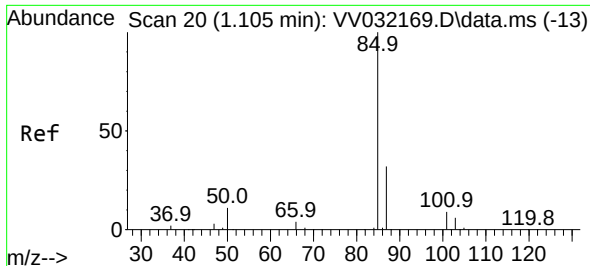
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.773	97	10030	5.059	ug/L	97
46) Tetrachloroethene	7.908	164	7643	5.649	ug/L	94
48) 2-Hexanone	8.085	43	20652	8.695	ug/L	93
49) Dibromochloromethane	8.182	129	9244	4.584	ug/L	96
50) 1,2-Dibromoethane	8.291	107	9953	4.772	ug/L #	95
51) Chlorobenzene	8.818	112	26264	5.190	ug/L	98
52) Ethylbenzene	8.950	91	44157	4.922	ug/L	98
53) m,p-Xylene	9.079	106	16683	5.020	ug/L	95
54) o-Xylene	9.484	106	16410	4.974	ug/L	100
55) Styrene	9.503	104	26172	4.508	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	14478	5.024	ug/L	98
59) Bromoform	9.670	173	6270	4.393	ug/L	99
60) Isopropylbenzene	9.870	105	43877	4.811	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	12034	4.648	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	35328	4.619	ug/L	97
63) 1,2,4-Trimethylbenzene	10.857	105	34402	4.489	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	21232	5.160	ug/L	97
65) 1,4-Dichlorobenzene	11.214	146	21492	5.145	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	20460	5.005	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	2970	3.916	ug/L	87
69) 1,3,5-Trichlorobenzene	12.587	180	15327	5.142	ug/L	96
70) 1,2,4-trichlorobenzene	13.204	180	13651	4.788	ug/L	98
71) Naphthalene	13.445	128	35768	3.910	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	13229	4.793	ug/L	99

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

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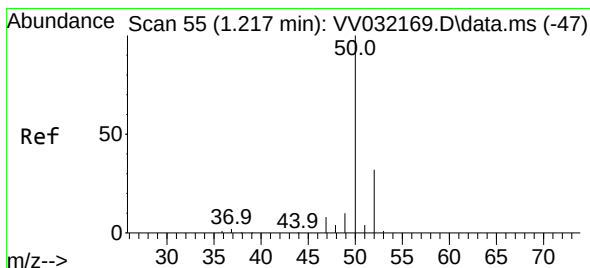
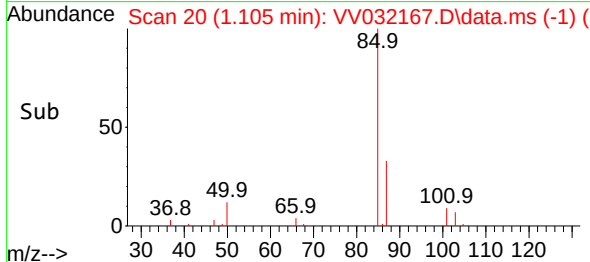
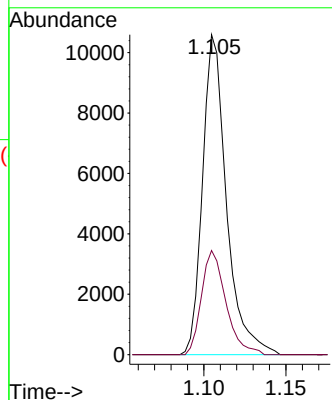
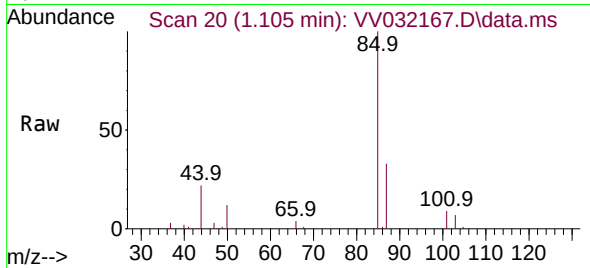




#2
 Dichlorodifluoromethane
 Concen: 6.100 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032167.D
 Acq: 25 Sep 2023 11:52

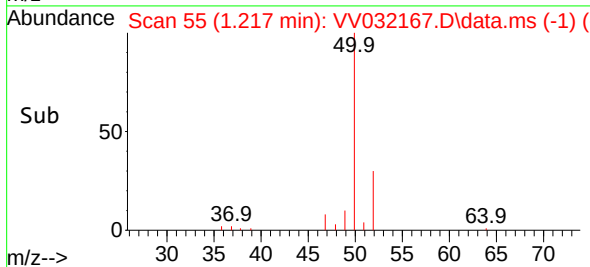
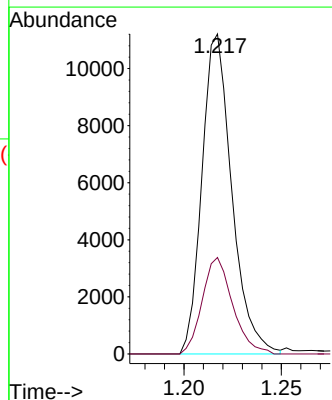
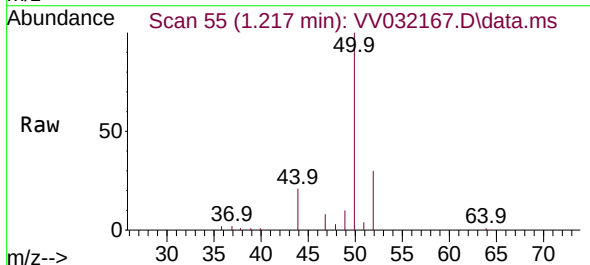
Instrument :
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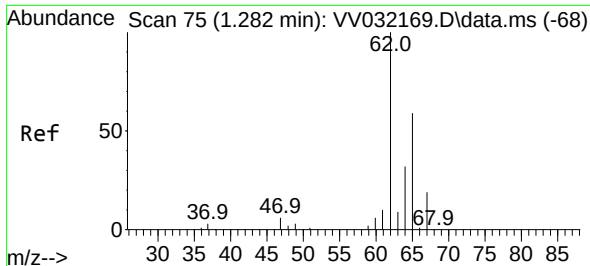
Tgt Ion: 85 Resp: 10736
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.4 38.0



#3
 Chloromethane
 Concen: 6.614 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV032167.D
 Acq: 25 Sep 2023 11:52

Tgt Ion: 50 Resp: 11982
 Ion Ratio Lower Upper
 50 100
 52 30.2 22.4 41.6



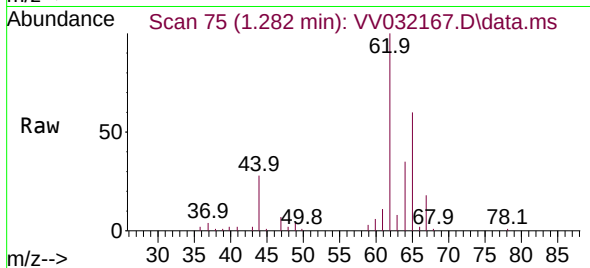


#5
 Vinyl chloride
 Concen: 6.042 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV032167.D
 Acq: 25 Sep 2023 11:52

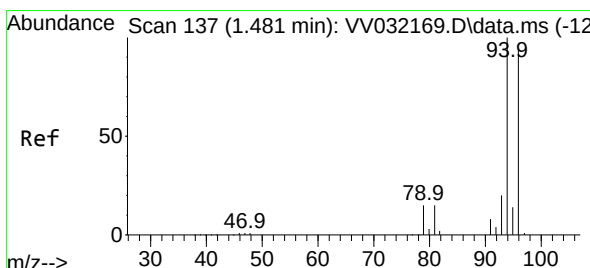
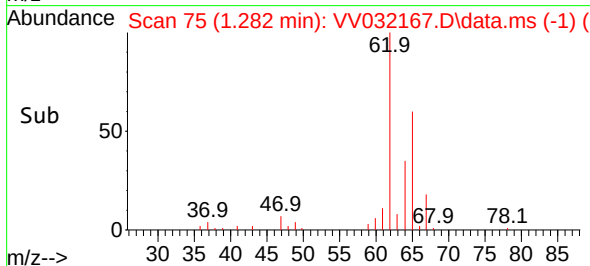
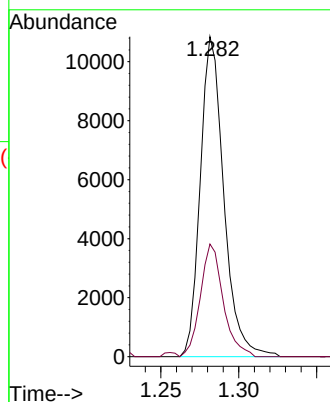
Instrument :

MSVOA_V

ClientSampleId :

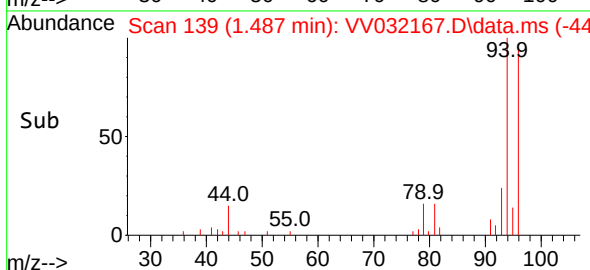
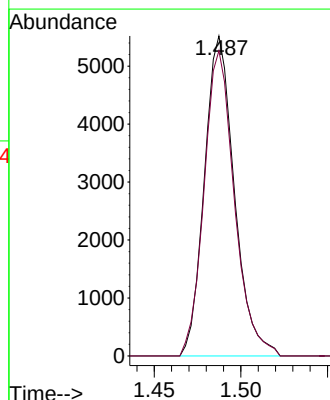
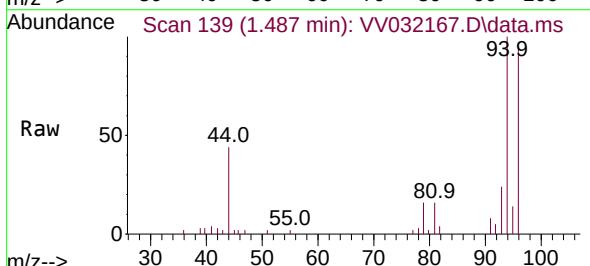


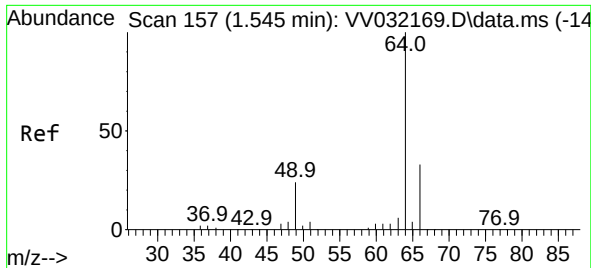
Tgt Ion: 62 Resp: 11403
 Ion Ratio Lower Upper
 62 100
 64 35.2 22.5 41.9



#6
 Bromomethane
 Concen: 5.932 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.006 min
 Lab File: VV032167.D
 Acq: 25 Sep 2023 11:52

Tgt Ion: 94 Resp: 6660
 Ion Ratio Lower Upper
 94 100
 96 95.4 65.7 122.1

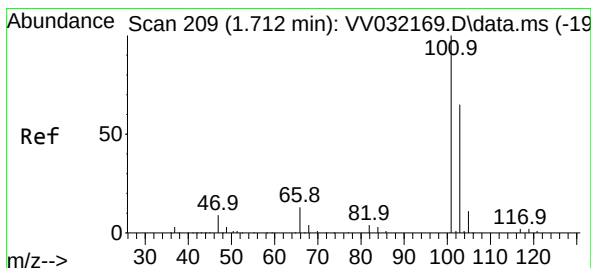
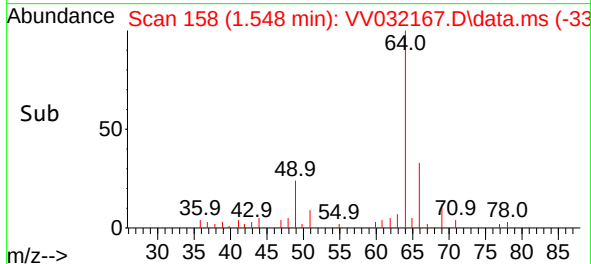
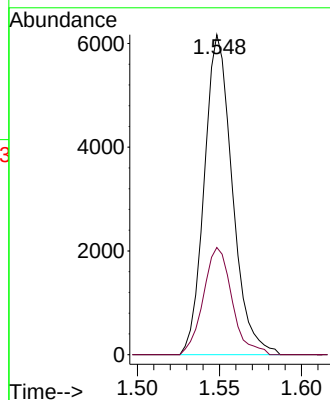
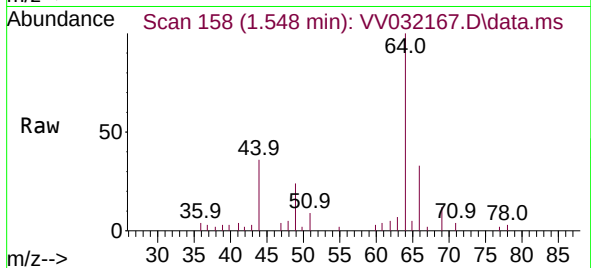




#8
Chloroethane
Concen: 5.927 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

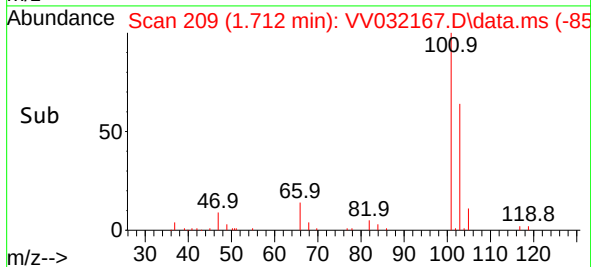
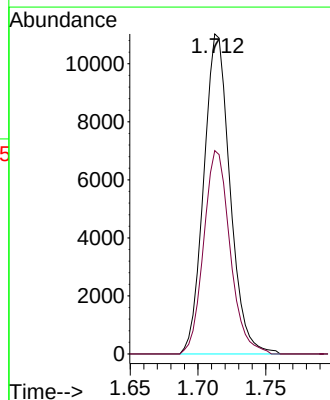
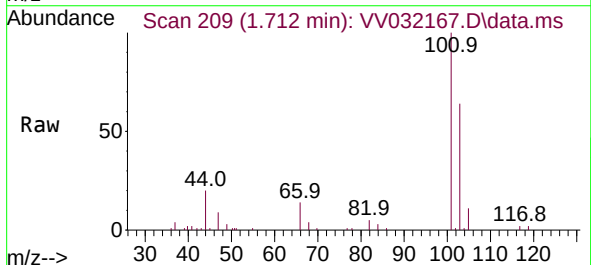
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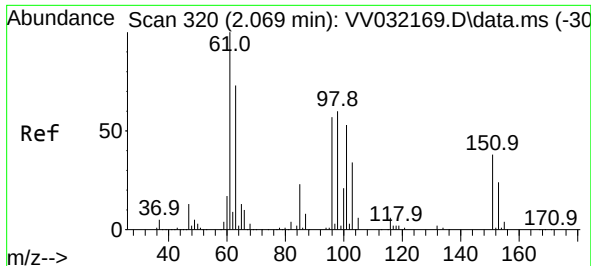
Tgt Ion: 64 Resp: 7327
Ion Ratio Lower Upper
64 100
66 33.5 23.0 42.6



#9
Trichlorofluoromethane
Concen: 5.579 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

Tgt Ion: 101 Resp: 14881
Ion Ratio Lower Upper
101 100
103 63.8 52.1 78.1

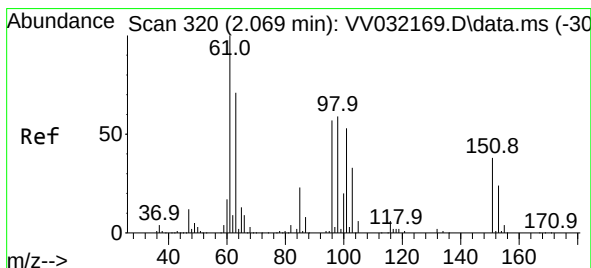
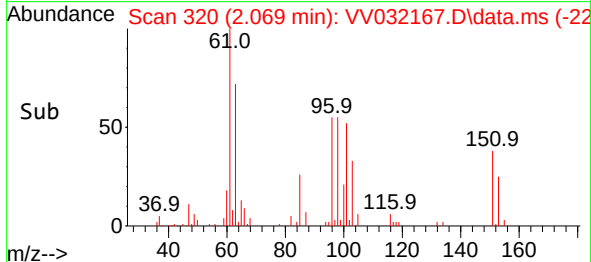
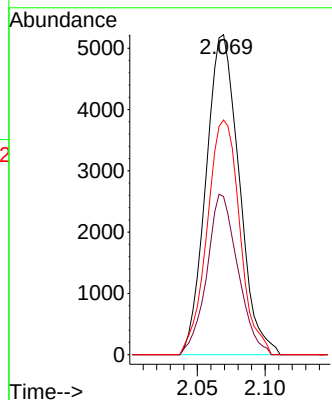
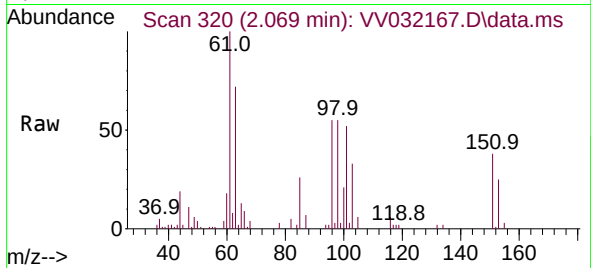




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.493 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV032167.D
 Acq: 25 Sep 2023 11:52

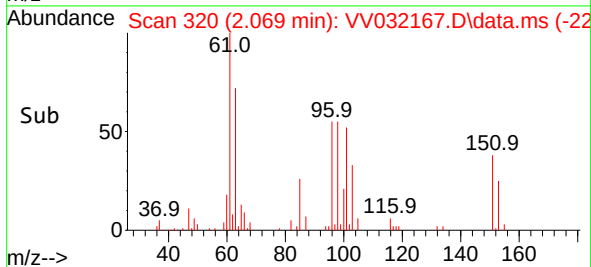
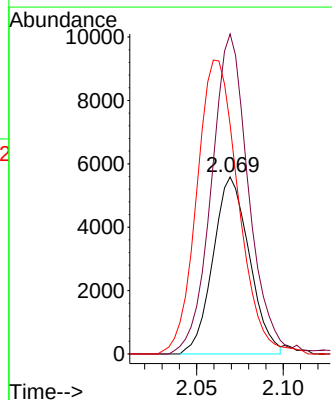
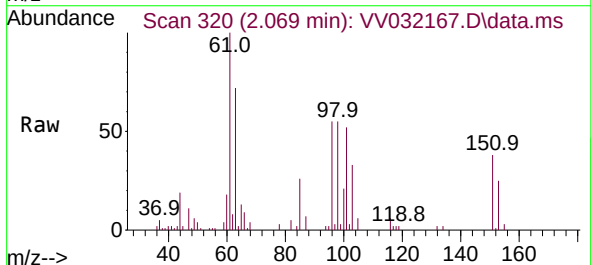
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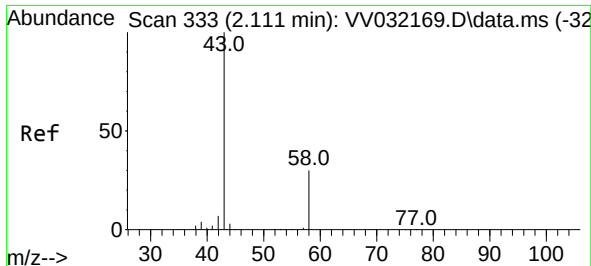
Tgt Ion:101 Resp: 8871
 Ion Ratio Lower Upper
 101 100
 85 46.9 35.4 53.2
 151 72.2 57.6 86.4



#12
 1,1-Dichloroethene
 Concen: 5.585 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV032167.D
 Acq: 25 Sep 2023 11:52

Tgt Ion: 96 Resp: 8158
 Ion Ratio Lower Upper
 96 100
 61 180.8 123.7 229.7
 63 129.6 89.9 167.0





#13

Acetone

Concen: 11.650 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

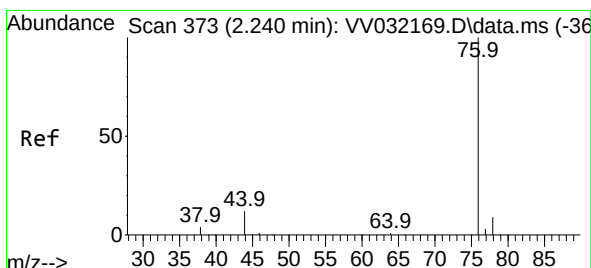
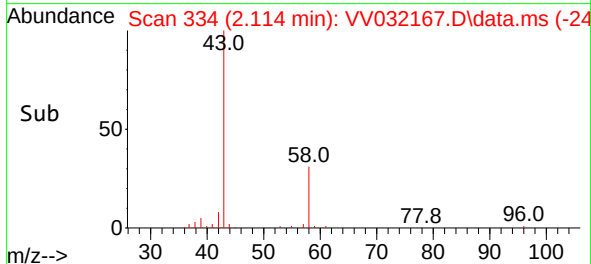
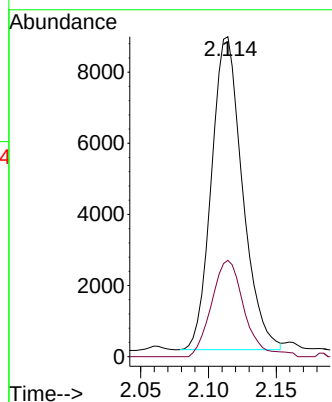
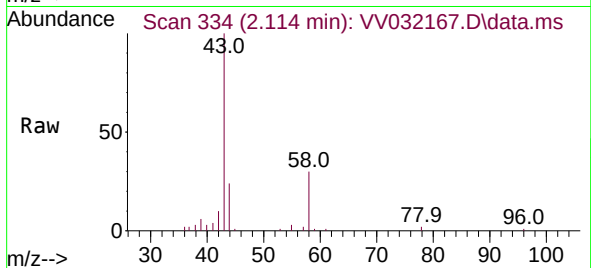
ClientSampleId :

Tgt Ion: 43 Resp: 13988

Ion Ratio Lower Upper

43 100

58 32.5 0.0 61.4



#14

Carbon disulfide

Concen: 7.159 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032167.D

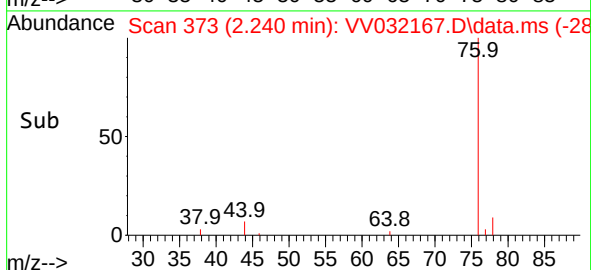
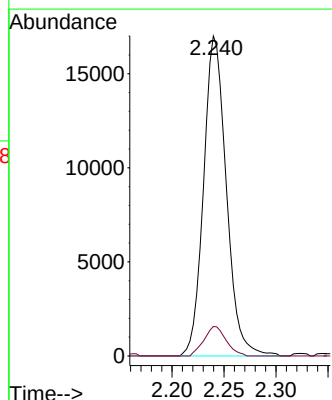
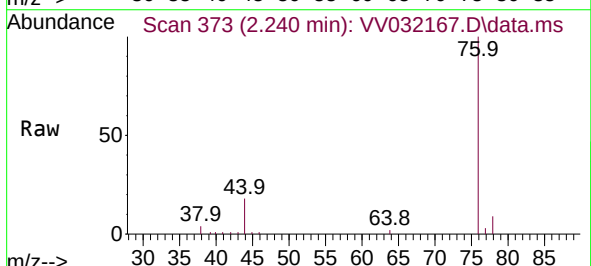
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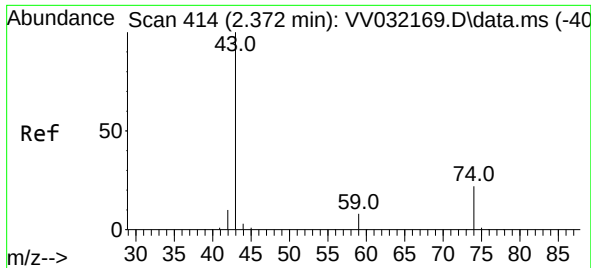
Tgt Ion: 76 Resp: 25945

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

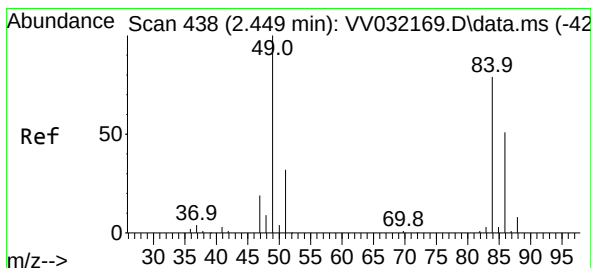
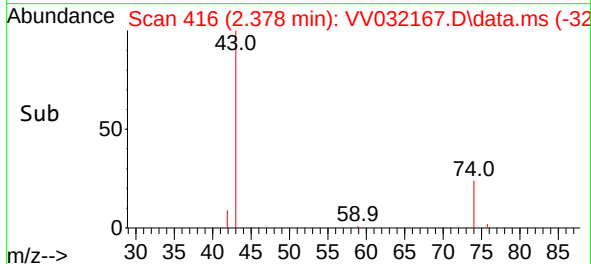
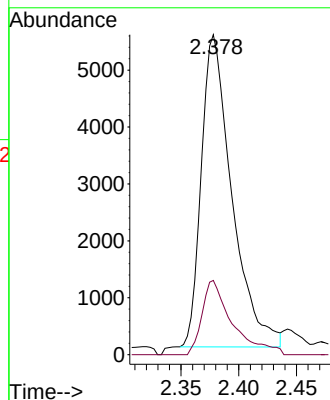
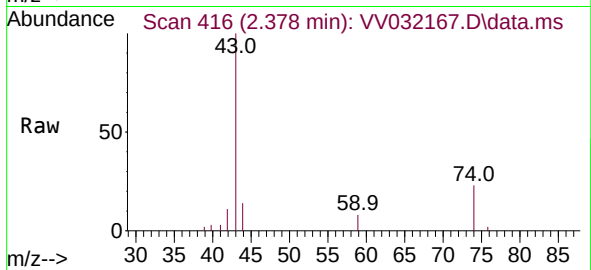




#15
Methyl Acetate
Concen: 4.627 ug/L
RT: 2.378 min Scan# 414
Delta R.T. 0.006 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

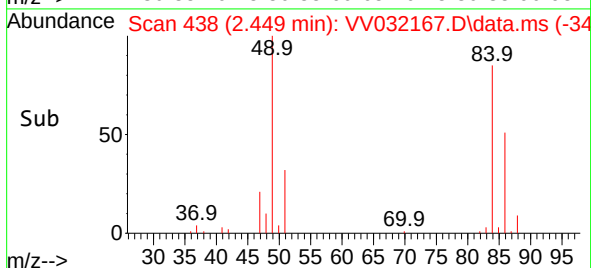
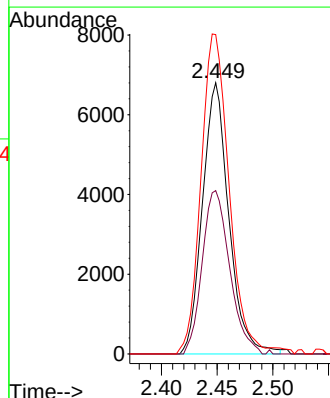
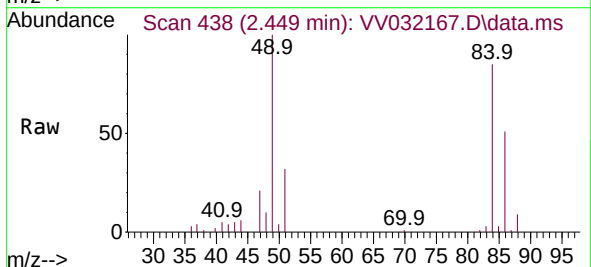
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MSVOA_V
ClientSampleId :

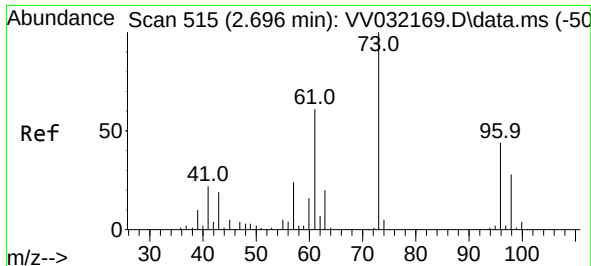
Tgt Ion: 43 Resp: 10099
Ion Ratio Lower Upper
43 100
74 23.4 17.8 26.8



#16
Methylene chloride
Concen: 5.977 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

Tgt Ion: 84 Resp: 11200
Ion Ratio Lower Upper
84 100
86 60.3 45.4 84.4
49 117.8 88.5 164.4





#17

trans-1,2-Dichloroethene

Concen: 5.828 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.000 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

ClientSampleId :

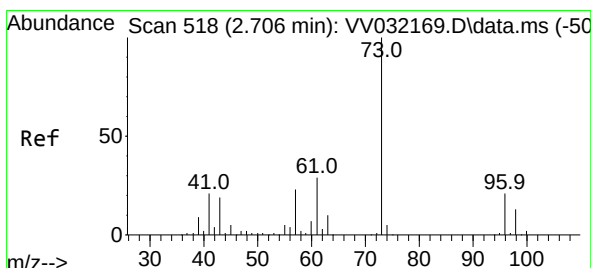
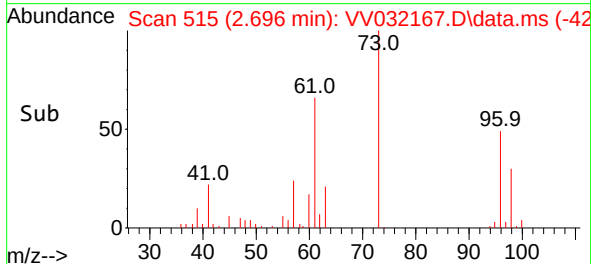
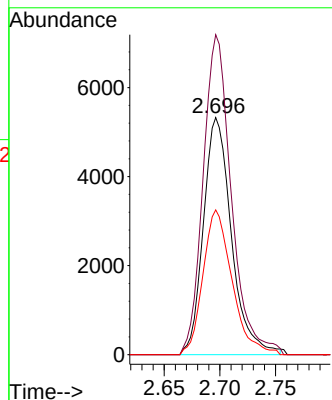
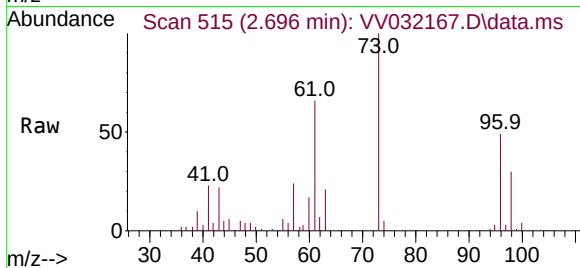
Tgt Ion: 96 Resp: 9365

Ion Ratio Lower Upper

96 100

61 135.0 97.4 180.8

98 61.1 45.2 84.0



#18

Methyl tert-butyl Ether

Concen: 4.567 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.000 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

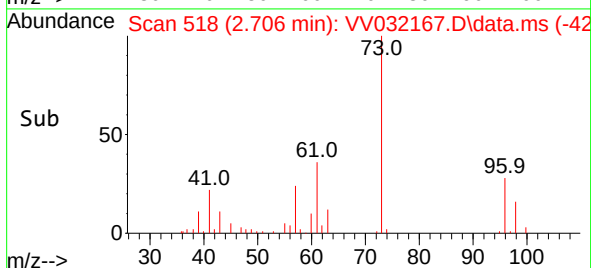
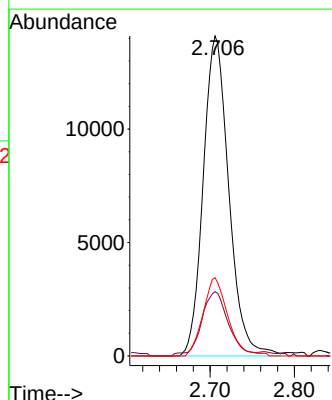
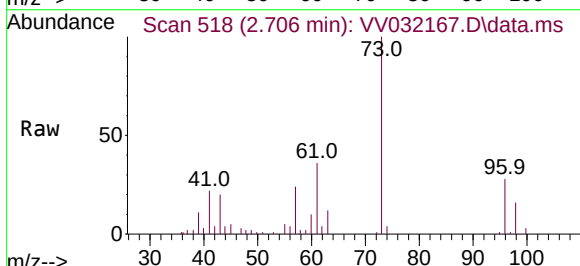
Tgt Ion: 73 Resp: 29803

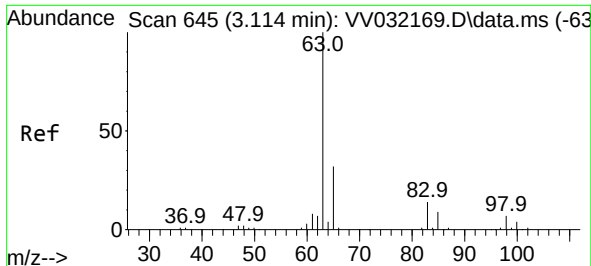
Ion Ratio Lower Upper

73 100

43 20.9 15.3 22.9

57 23.5 18.6 28.0

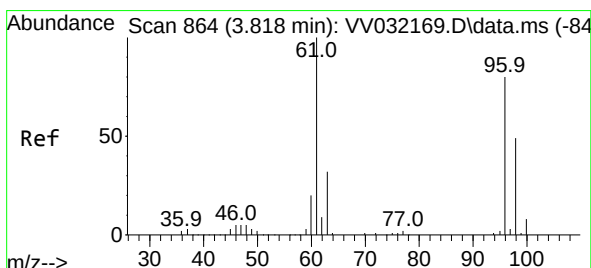
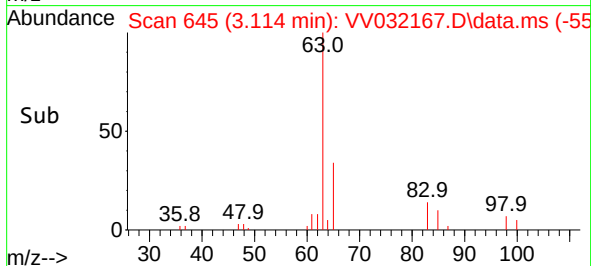
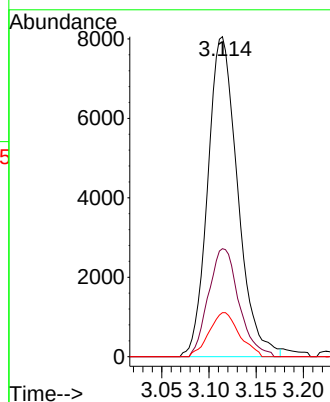
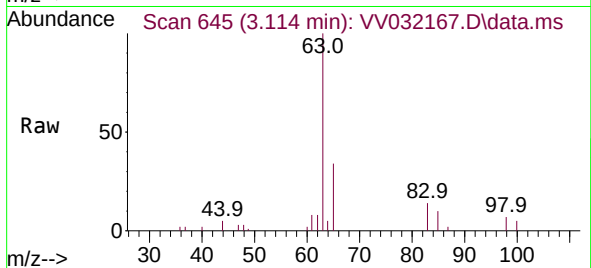




#19
1,1-Dichloroethane
Concen: 5.032 ug/L
RT: 3.114 min Scan# 645
Delta R.T. -0.000 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

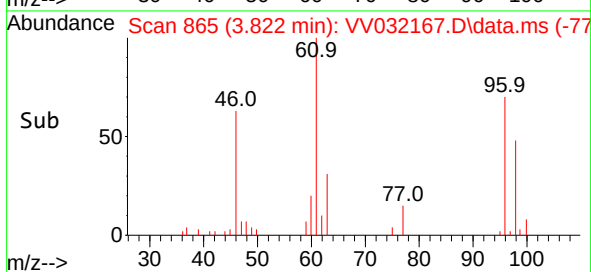
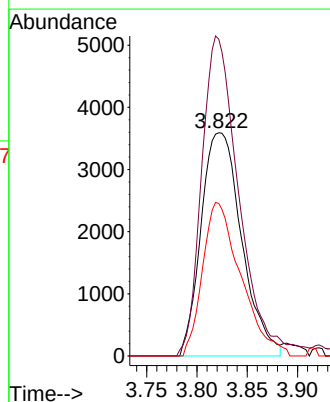
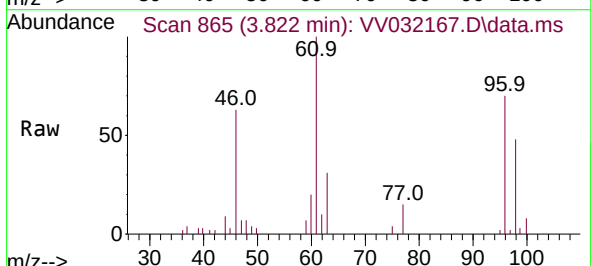
Instrument :
MSVOA_V
ClientSampleId :

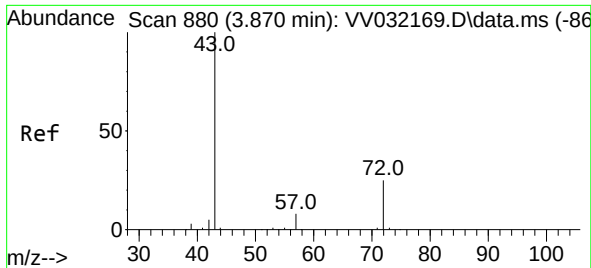
Tgt Ion:	63	Resp:	17716
Ion	Ratio	Lower	Upper
63	100		
65	33.8	22.7	42.3
83	13.7	9.4	17.6



#20
cis-1,2-Dichloroethene
Concen: 5.079 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.003 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

Tgt Ion:	96	Resp:	10075
Ion	Ratio	Lower	Upper
96	100		
61	141.9	88.3	164.1
98	72.1	43.3	80.3

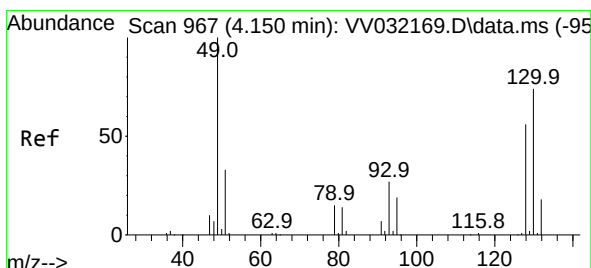
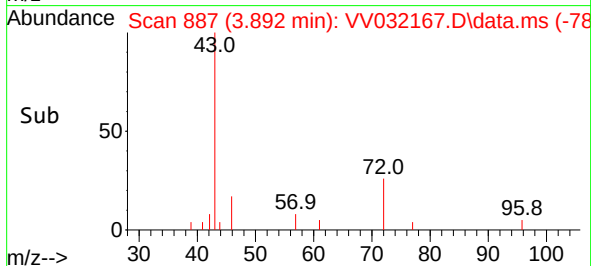
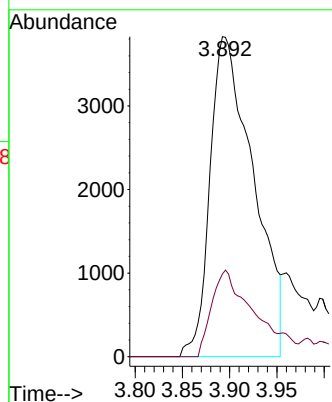
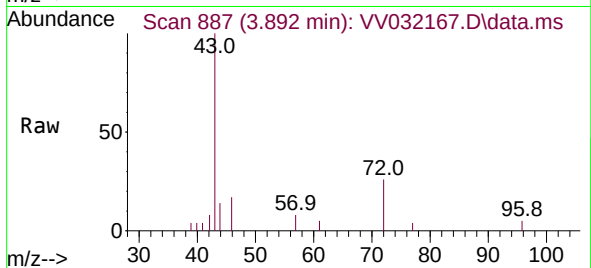




#22
2-Butanone
Concen: 7.634 ug/L
RT: 3.892 min Scan# 881
Delta R.T. 0.022 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

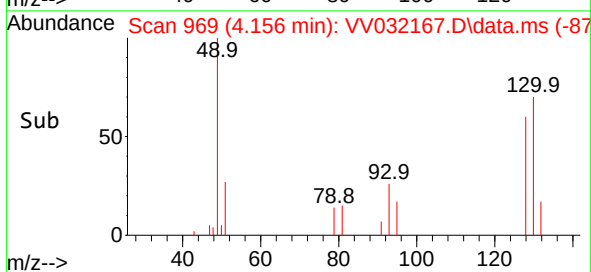
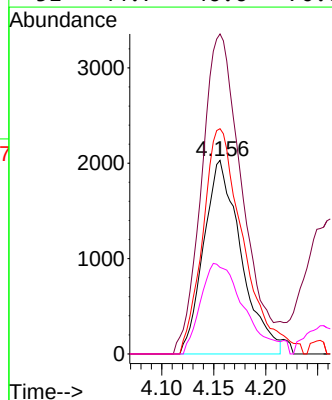
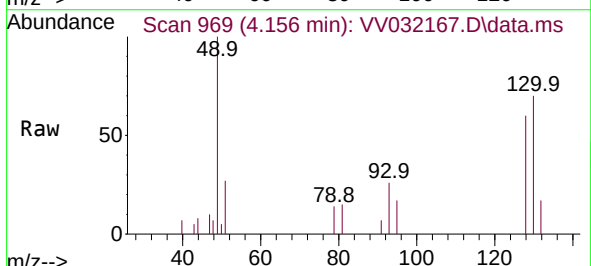
Instrument :
MSVOA_V
ClientSampleId :

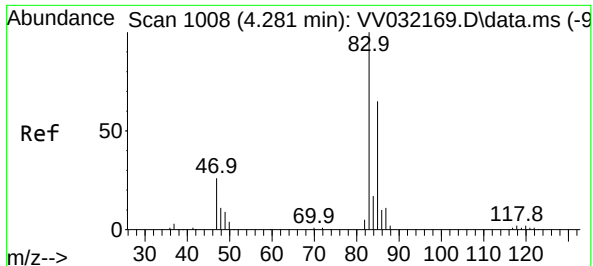
Tgt Ion: 43 Resp: 12207
Ion Ratio Lower Upper
43 100
72 24.5 12.0 36.0



#23
Bromochloromethane
Concen: 5.253 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.006 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

Tgt Ion:128 Resp: 5082
Ion Ratio Lower Upper
128 100
49 165.3 125.0 232.2
130 116.4 92.3 171.5
51 44.7 46.6 70.0#





#25

Chloroform

Concen: 4.898 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. -0.000 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

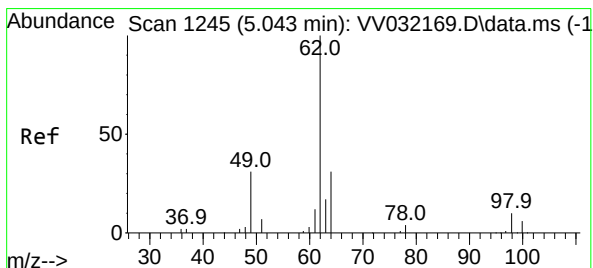
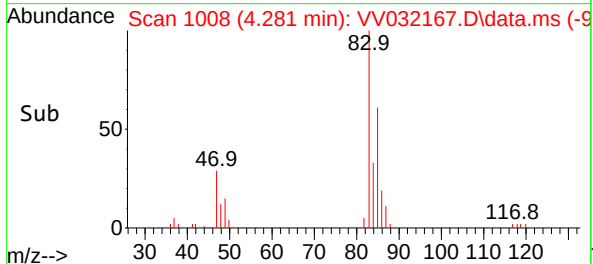
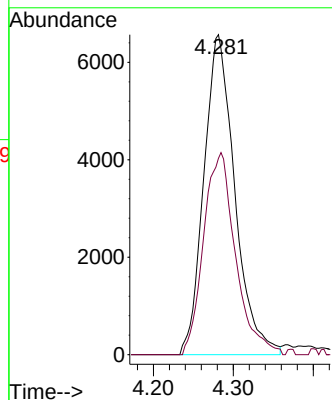
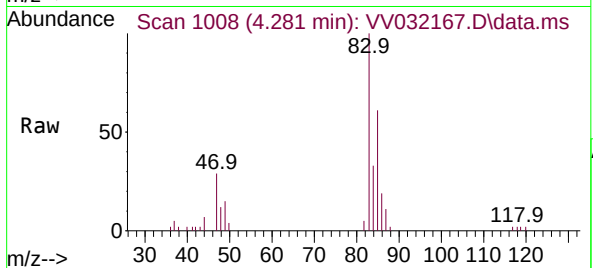
ClientSampleId :

Tgt Ion: 83 Resp: 17647

Ion Ratio Lower Upper

83 100

85 61.3 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.811 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV032167.D

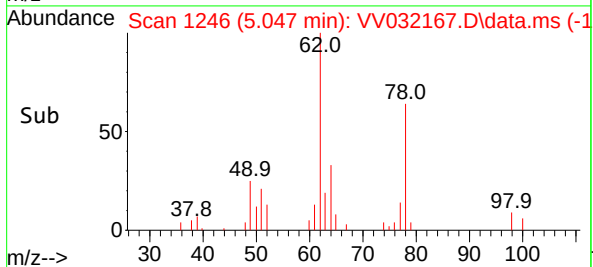
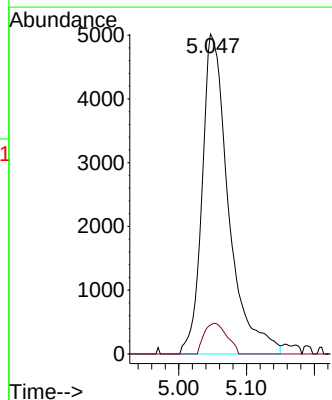
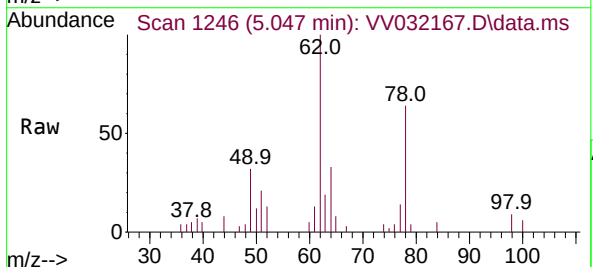
Acq: 25 Sep 2023 11:52

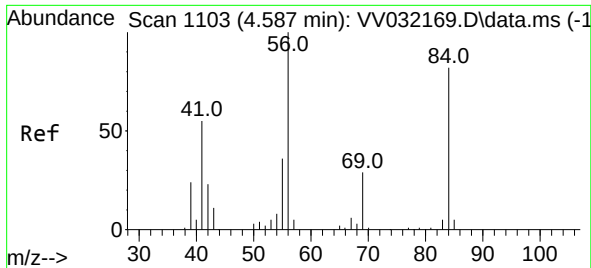
Tgt Ion: 62 Resp: 13595

Ion Ratio Lower Upper

62 100

98 9.0 8.1 12.1





#29

Cyclohexane

Concen: 5.892 ug/L

RT: 4.580 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VV032167.D

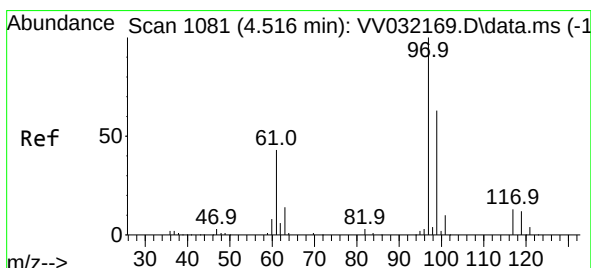
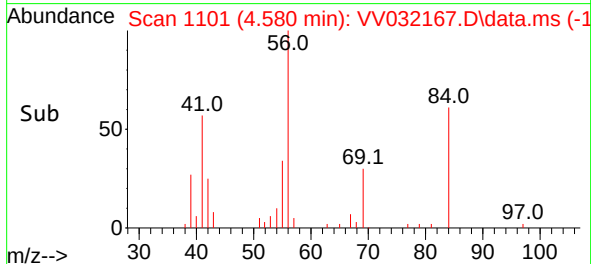
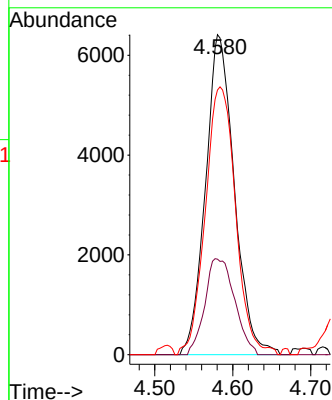
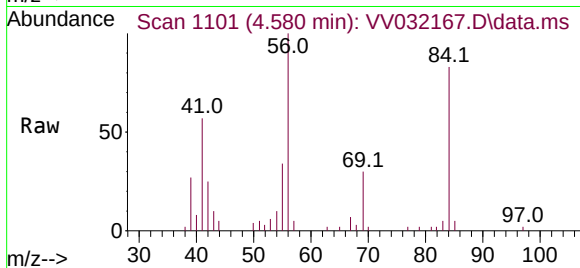
Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	56	Resp:	16465
Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.3	34.9
84	87.4	66.2	99.2



#30

1,1,1-Trichloroethane

Concen: 5.090 ug/L

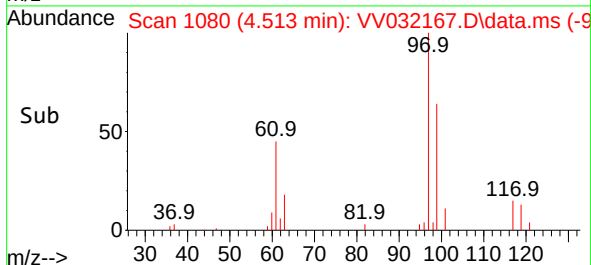
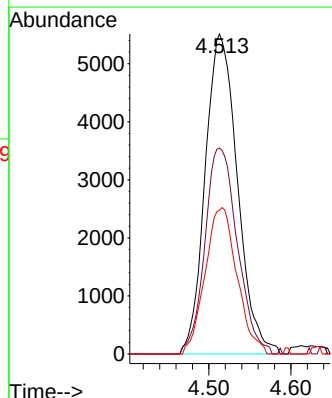
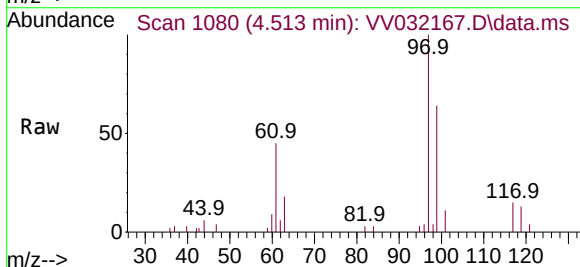
RT: 4.513 min Scan# 1080

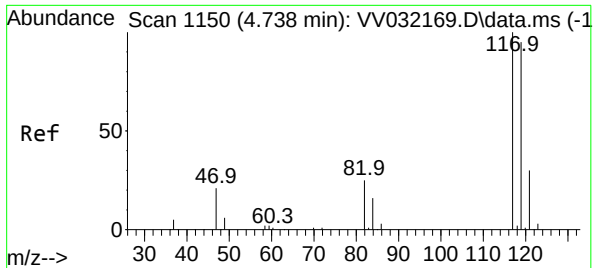
Delta R.T. -0.003 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Tgt Ion:	97	Resp:	15071
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	45.3	35.0	52.6

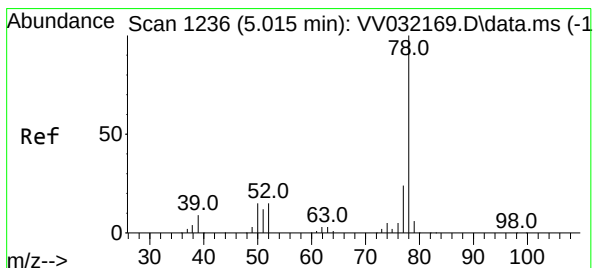
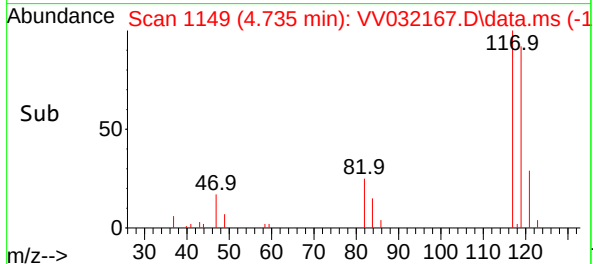
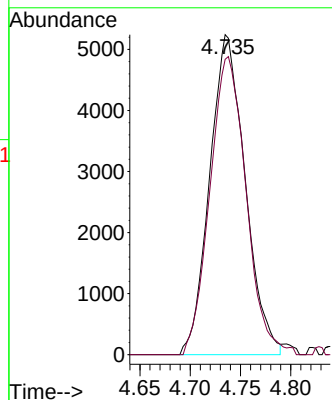
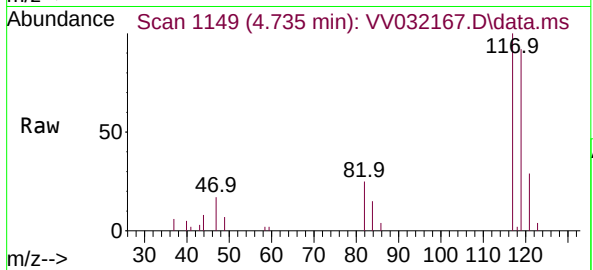




#31
Carbon tetrachloride
Concen: 5.080 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

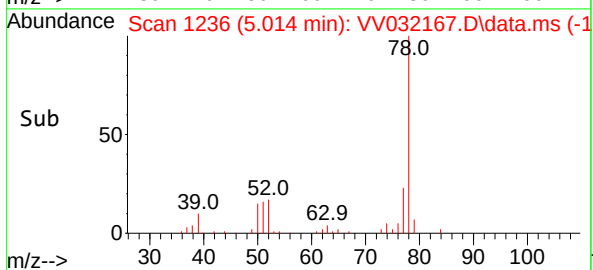
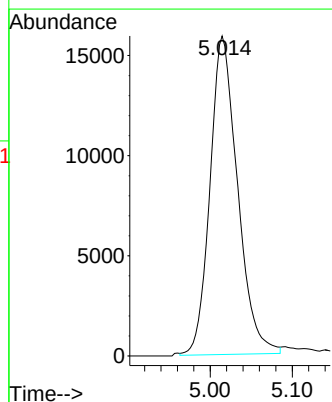
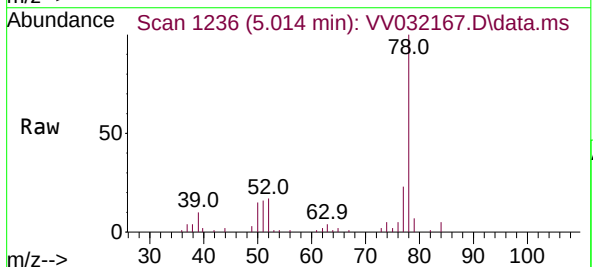
Instrument :
MSVOA_V
ClientSampleId :

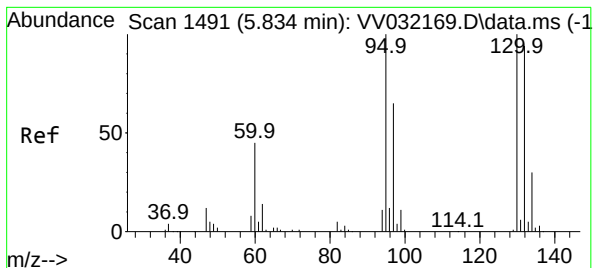
Tgt Ion:117 Resp: 12847
Ion Ratio Lower Upper
117 100
119 94.8 76.6 115.0



#33
Benzene
Concen: 5.275 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

Tgt Ion: 78 Resp: 37175





#34

Trichloroethene

Concen: 5.212 ug/L

RT: 5.838 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 10884

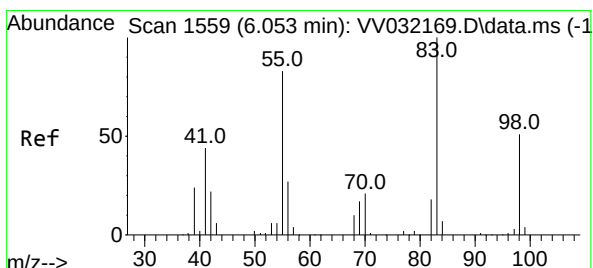
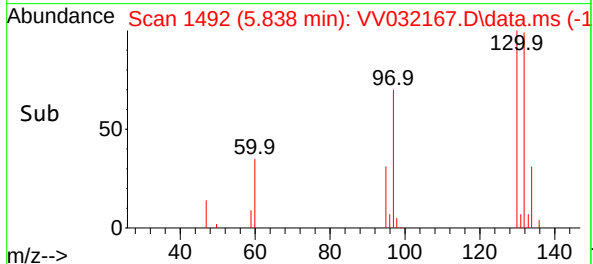
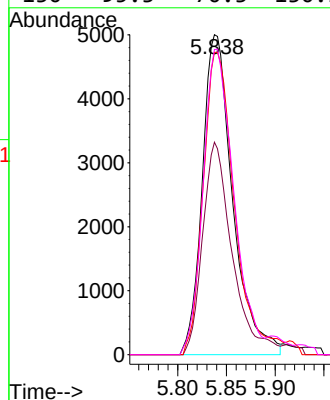
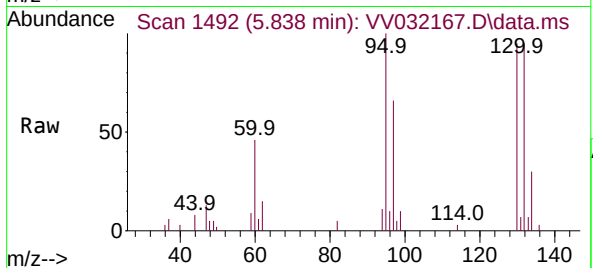
Ion Ratio Lower Upper

95 100

97 66.4 45.4 84.4

132 94.5 66.1 122.7

130 95.3 70.3 130.5



#35

Methylcyclohexane

Concen: 5.971 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.003 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

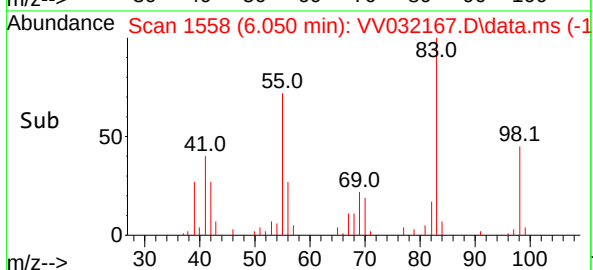
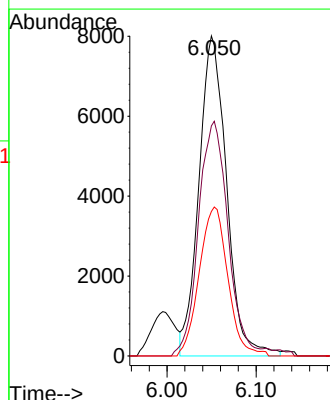
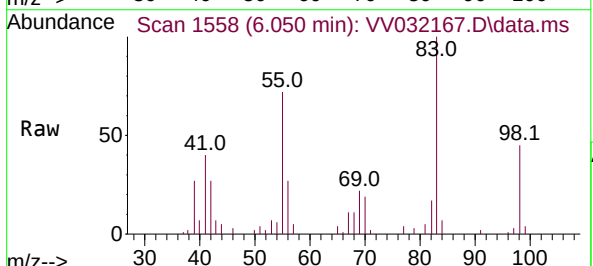
Tgt Ion: 83 Resp: 17288

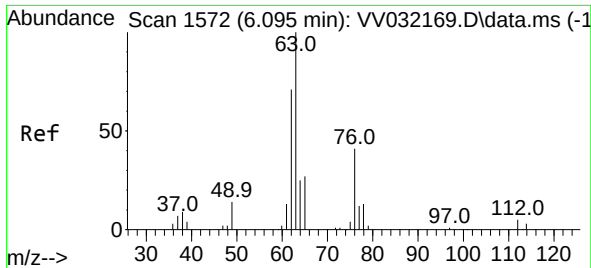
Ion Ratio Lower Upper

83 100

55 77.8 62.9 94.3

98 47.8 38.9 58.3

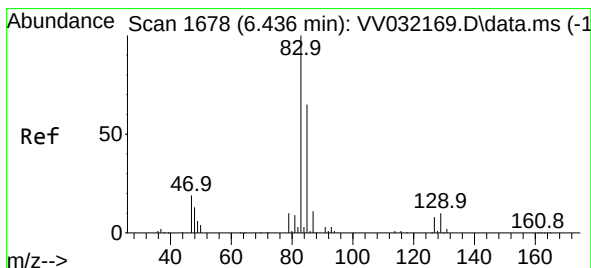
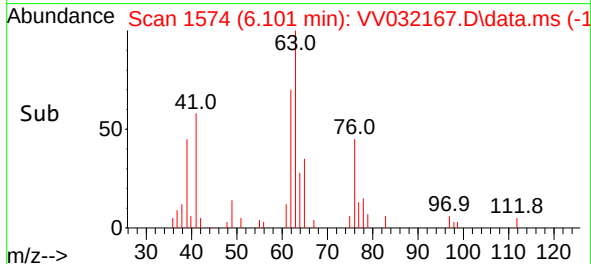
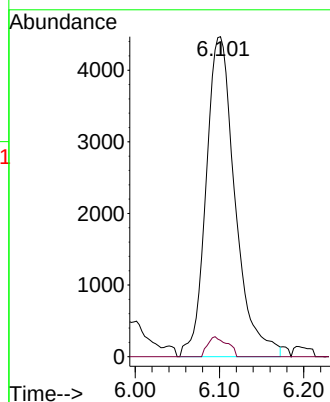
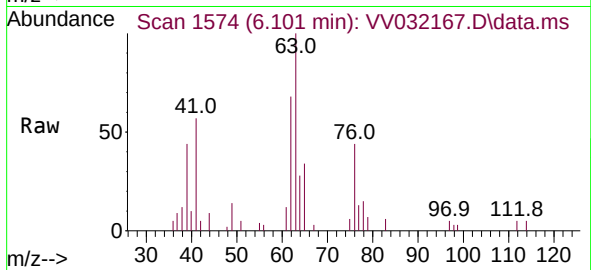




#37
1,2-Dichloropropane
Concen: 5.499 ug/L
RT: 6.101 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

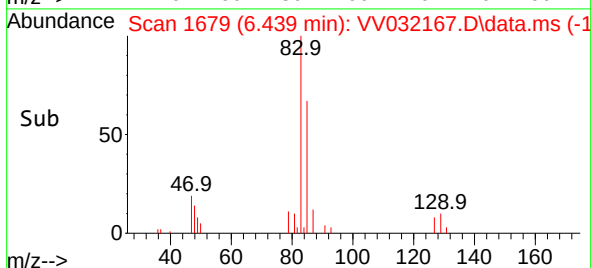
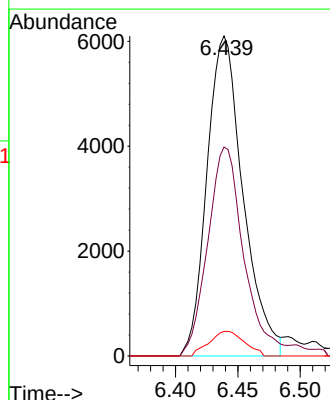
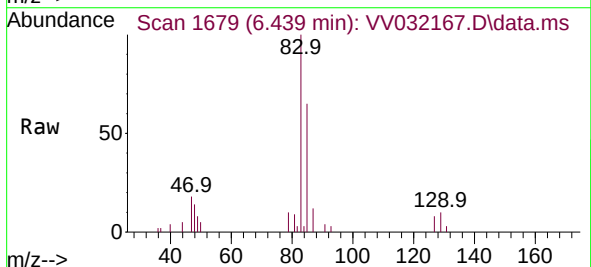
Instrument :
MSVOA_V
ClientSampleId :

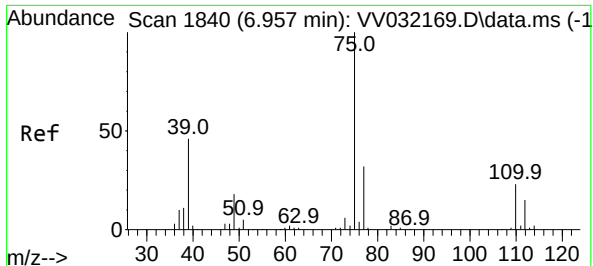
Tgt Ion: 63 Resp: 10700
Ion Ratio Lower Upper
63 100
112 4.2 3.7 5.5



#38
Bromodichloromethane
Concen: 4.496 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.003 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

Tgt Ion: 83 Resp: 12302
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.9
127 7.7 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 4.456 ug/L

RT: 6.963 min Scan# 1840

Delta R.T. 0.006 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

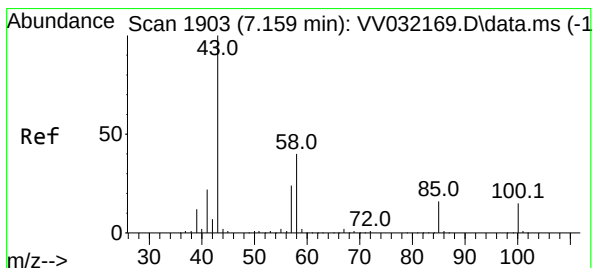
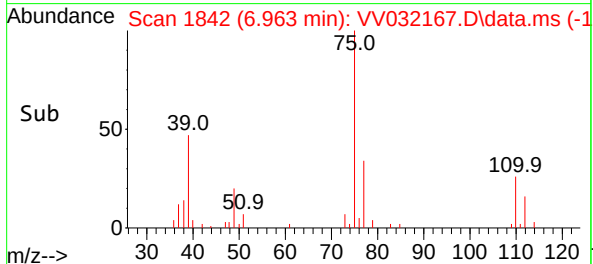
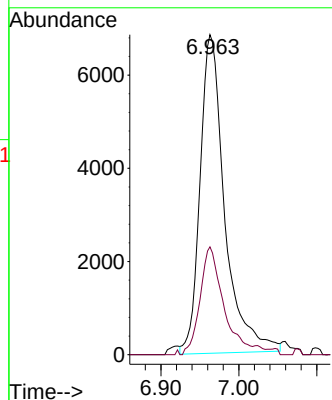
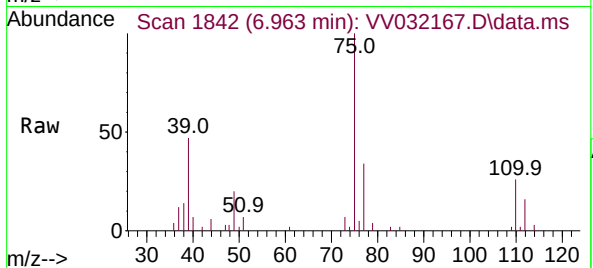
ClientSampleId :

Tgt Ion: 75 Resp: 15016

Ion Ratio Lower Upper

75 100

77 33.7 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 8.941 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

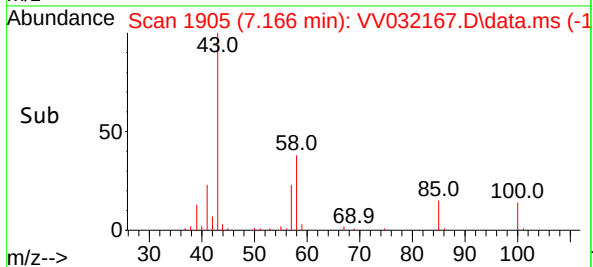
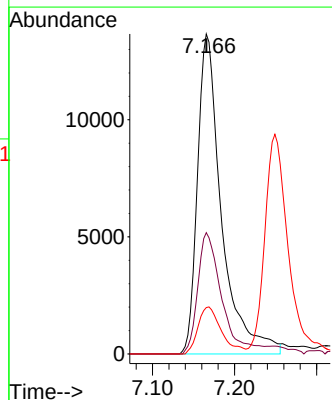
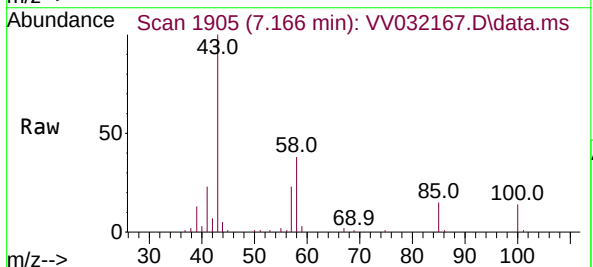
Tgt Ion: 43 Resp: 27835

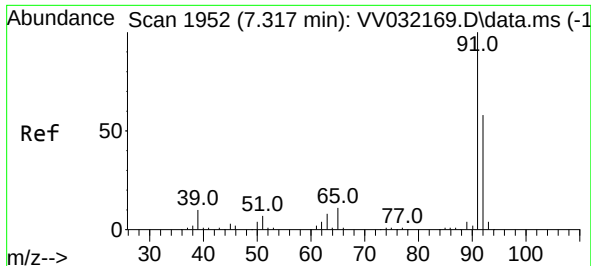
Ion Ratio Lower Upper

43 100

58 37.8 31.0 46.6

100 14.4 11.6 17.4





#42

Toluene

Concen: 5.198 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

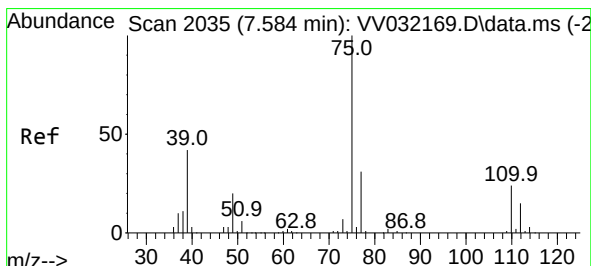
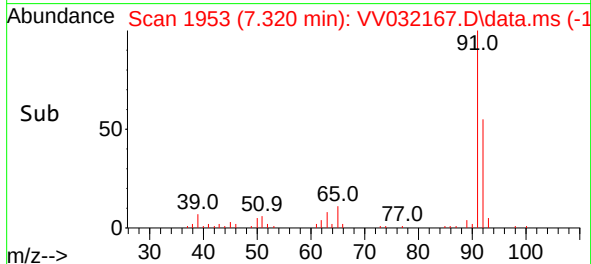
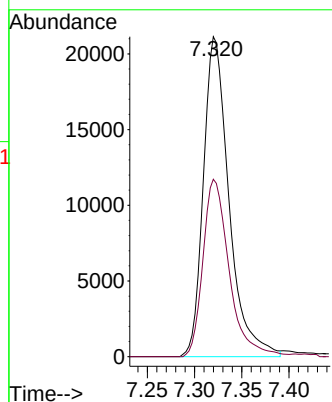
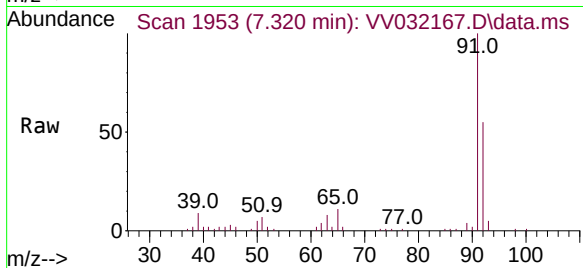
ClientSampleId :

Tgt Ion: 91 Resp: 39842

Ion Ratio Lower Upper

91 100

92 55.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.398 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.006 min

Lab File: VV032167.D

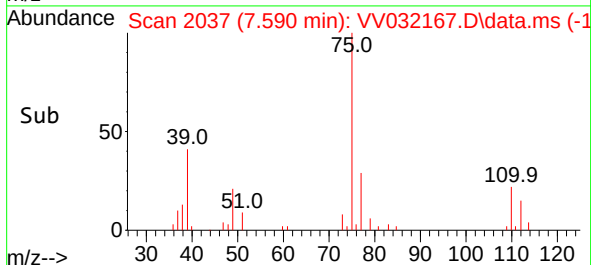
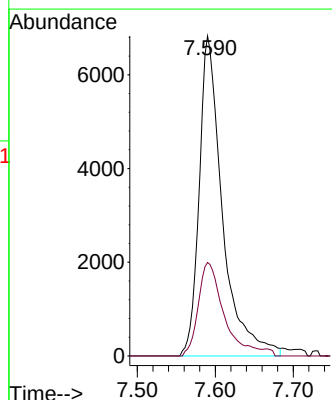
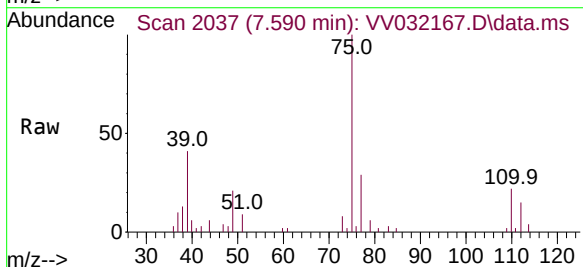
Acq: 25 Sep 2023 11:52

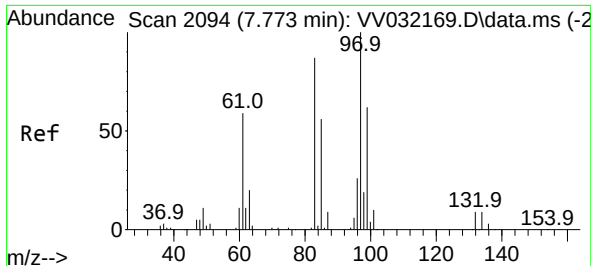
Tgt Ion: 75 Resp: 14141

Ion Ratio Lower Upper

75 100

77 29.2 22.0 40.8

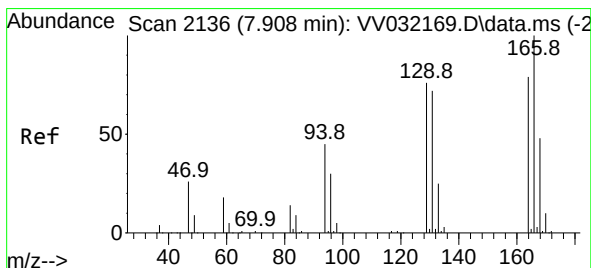
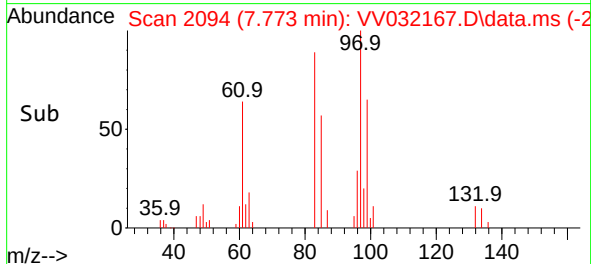
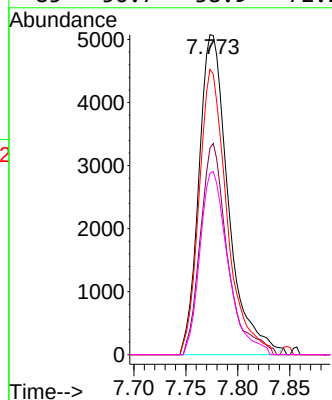
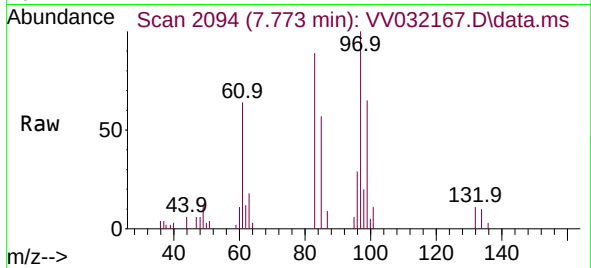




#45
1,1,2-Trichloroethane
Concen: 5.059 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

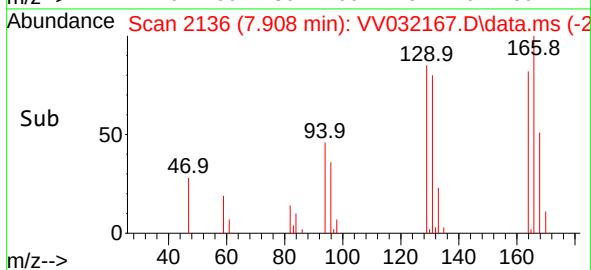
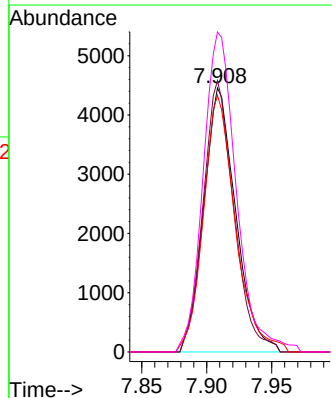
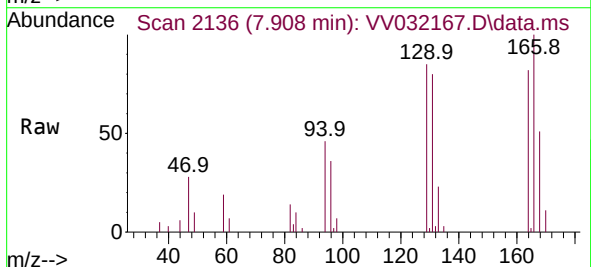
Instrument :
MSVOA_V
ClientSampleId :

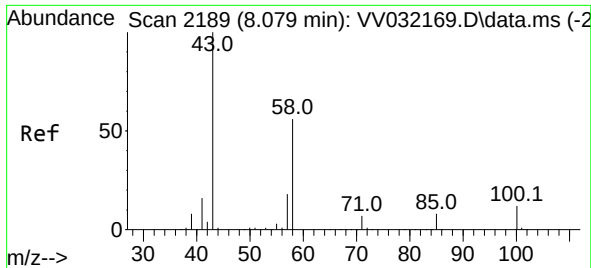
Tgt Ion:	97	Resp:	10030
Ion	Ratio	Lower	Upper
97	100		
99	64.6	43.3	80.3
83	89.1	60.8	113.0
85	56.7	38.9	72.2



#46
Tetrachloroethene
Concen: 5.649 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

Tgt Ion:	164	Resp:	7643
Ion	Ratio	Lower	Upper
164	100		
129	102.8	67.5	125.3
131	97.2	63.8	118.4
166	121.2	88.5	164.4

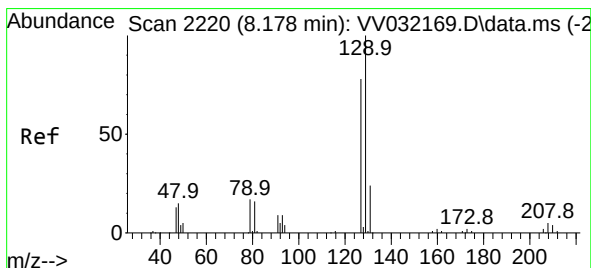
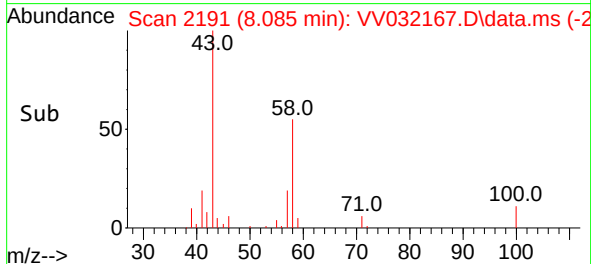
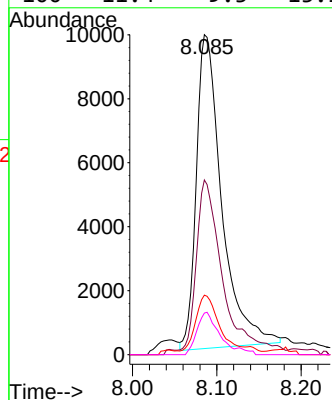
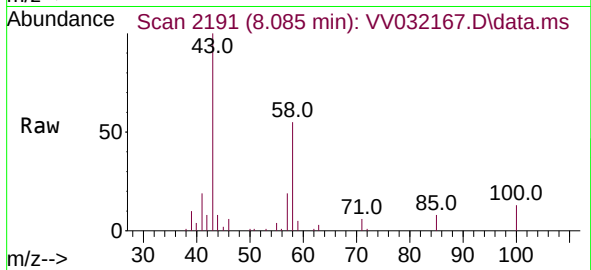




#48
2-Hexanone
Concen: 8.695 ug/L
RT: 8.085 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

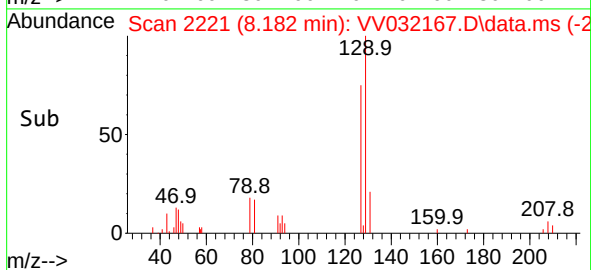
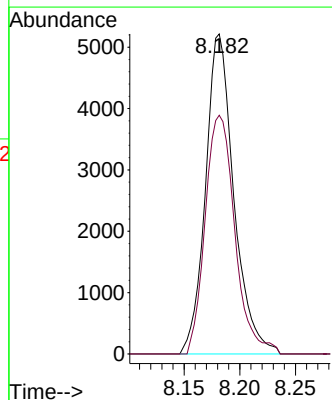
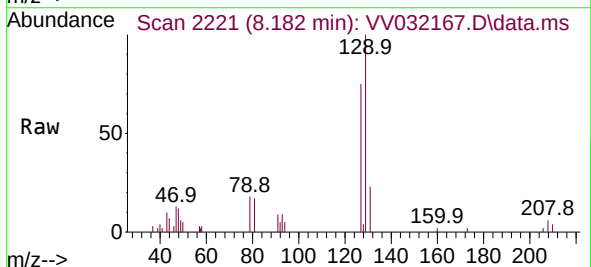
Instrument :
MSVOA_V
ClientSampleId :

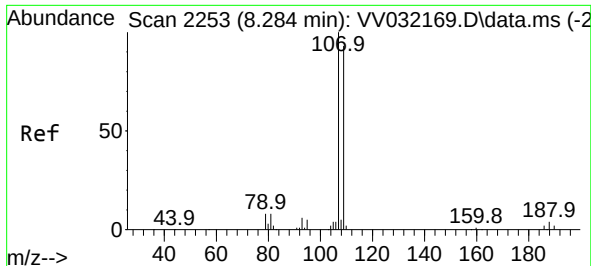
Tgt Ion: 43	Resp: 20652
Ion Ratio	Lower Upper
43 100	
58 48.8	44.5 66.7
57 16.3	13.9 20.9
100 11.4	9.3 13.9



#49
Dibromochloromethane
Concen: 4.584 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

Tgt Ion: 129	Resp: 9244
Ion Ratio	Lower Upper
129 100	
127 74.6	54.9 101.9





#50

1,2-Dibromoethane

Concen: 4.772 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.006 min

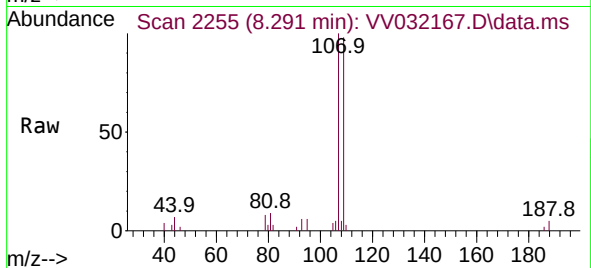
Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

ClientSampleId :



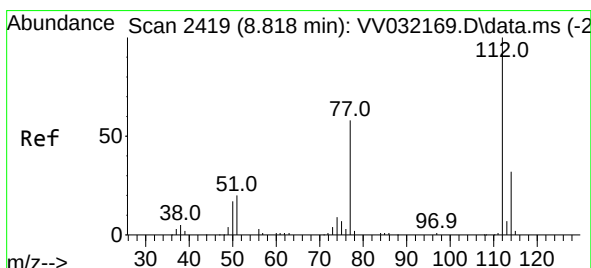
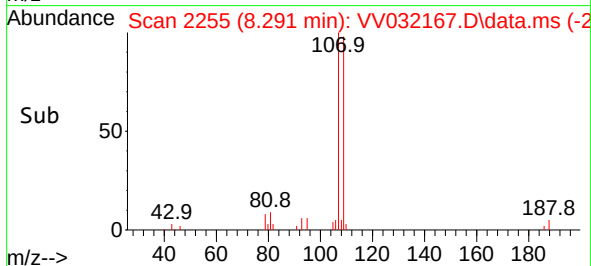
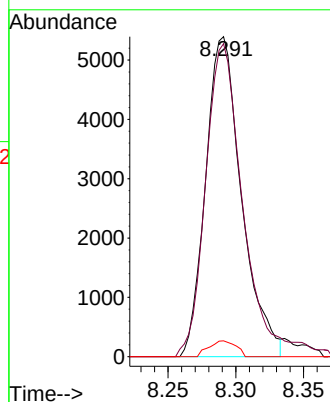
Tgt Ion:107 Resp: 9953

Ion Ratio Lower Upper

107 100

109 97.8 65.2 121.2

188 5.0 3.0 4.6#



#51

Chlorobenzene

Concen: 5.190 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

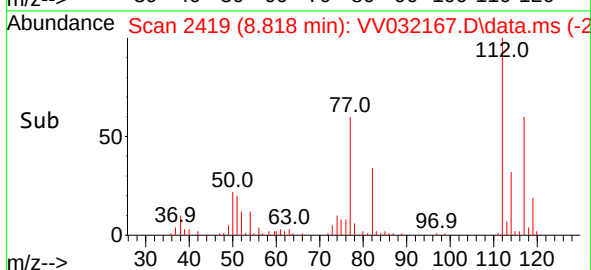
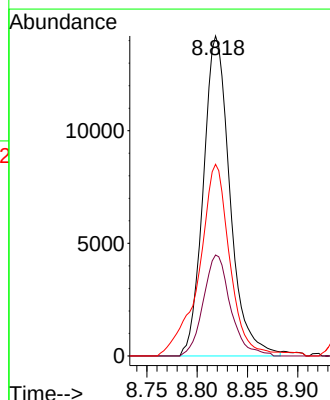
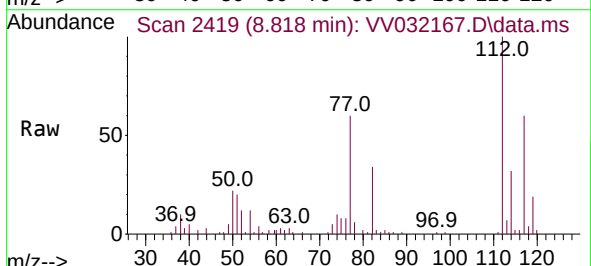
Tgt Ion:112 Resp: 26264

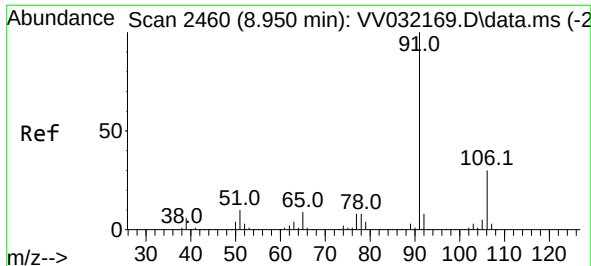
Ion Ratio Lower Upper

112 100

114 31.6 22.5 41.9

77 59.9 46.7 70.1

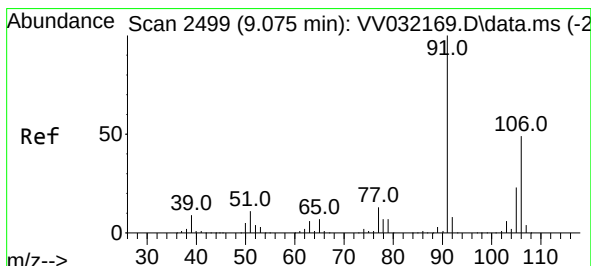
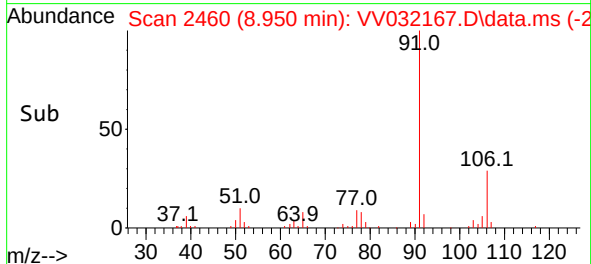
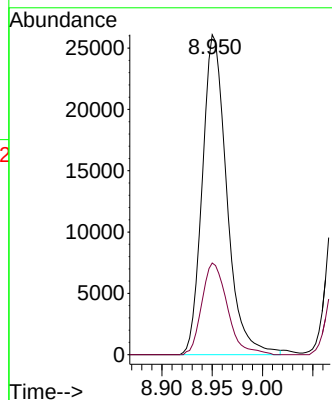
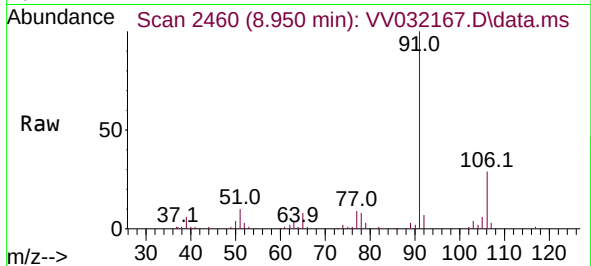




#52
Ethylbenzene
Concen: 4.922 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

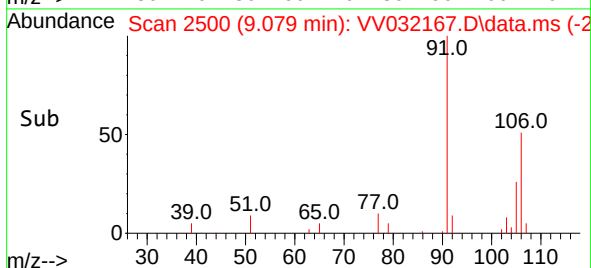
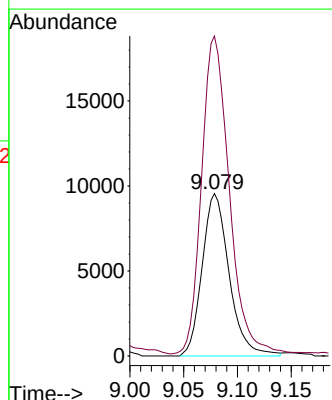
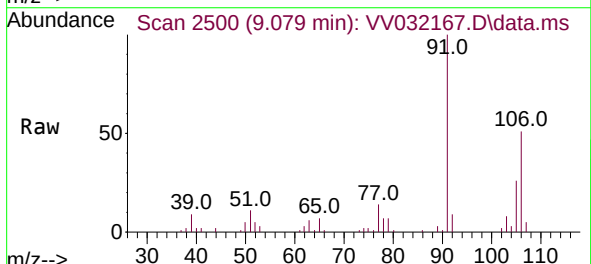
Instrument :
MSVOA_V
ClientSampleId :

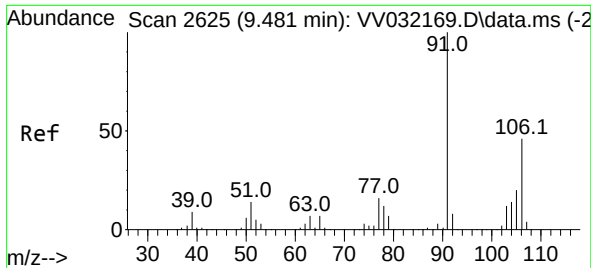
Tgt Ion: 91 Resp: 44157
Ion Ratio Lower Upper
91 100
106 28.7 20.9 38.7



#53
m,p-Xylene
Concen: 5.020 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.003 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

Tgt Ion: 106 Resp: 16683
Ion Ratio Lower Upper
106 100
91 197.1 143.8 267.0

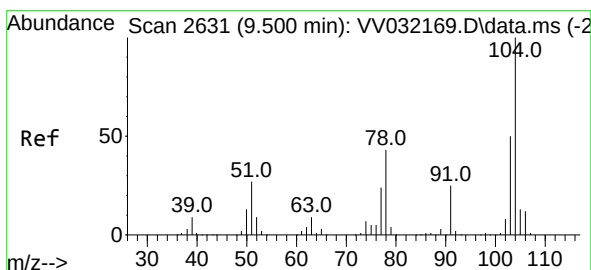
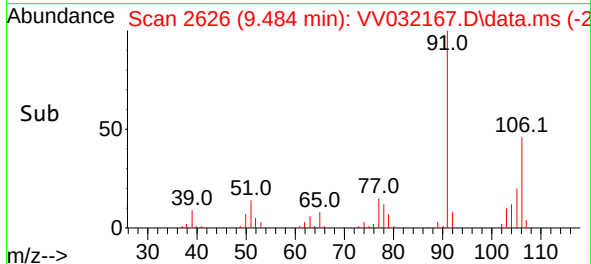
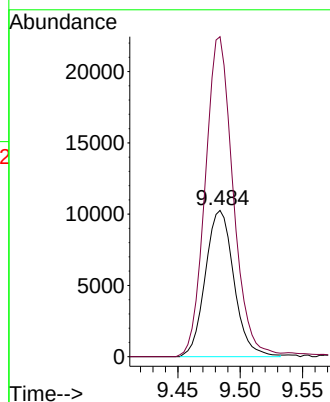
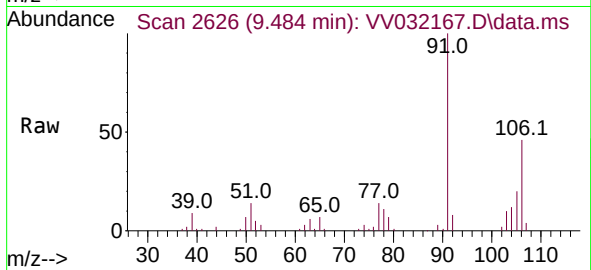




#54
o-Xylene
Concen: 4.974 ug/L
RT: 9.484 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

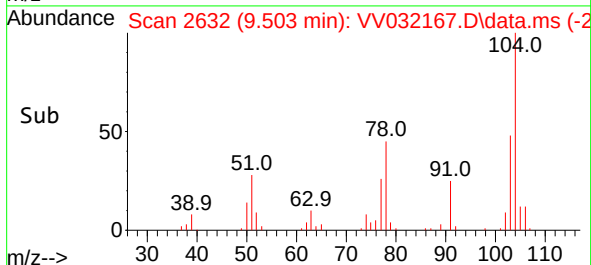
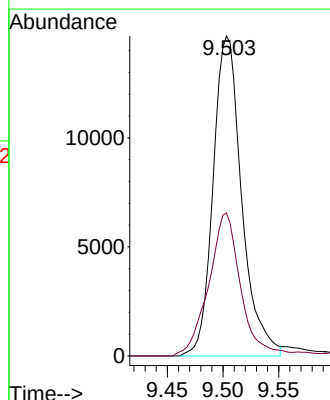
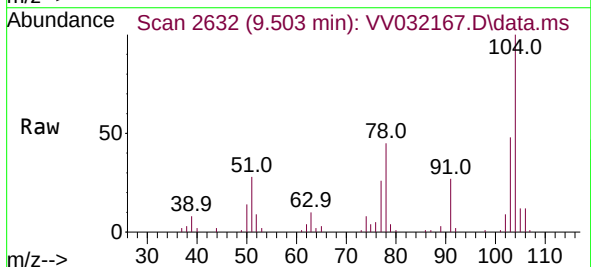
Instrument :
MSVOA_V
ClientSampleId :

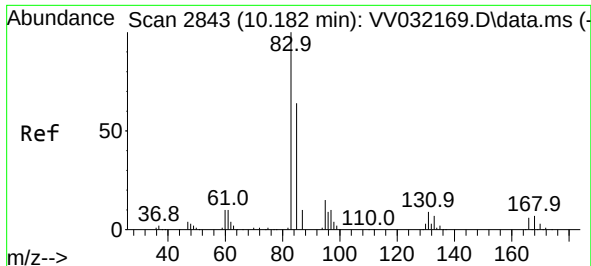
Tgt Ion:106 Resp: 16410
Ion Ratio Lower Upper
106 100
91 218.7 153.4 284.8



#55
Styrene
Concen: 4.508 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

Tgt Ion:104 Resp: 26172
Ion Ratio Lower Upper
104 100
78 44.7 30.4 56.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.024 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

ClientSampleId :

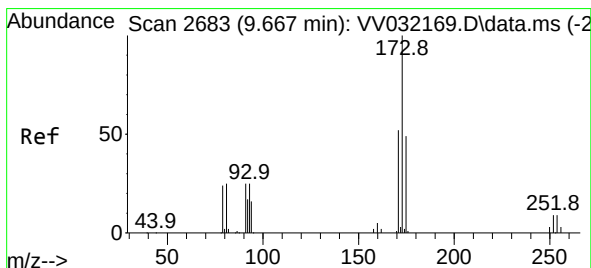
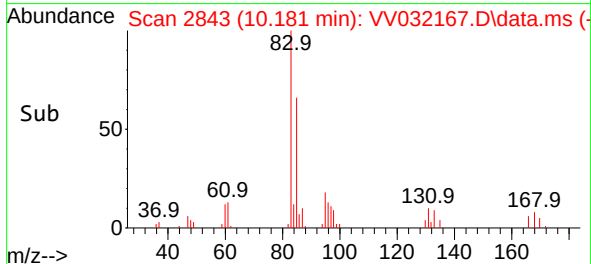
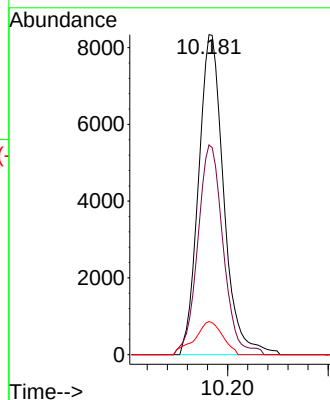
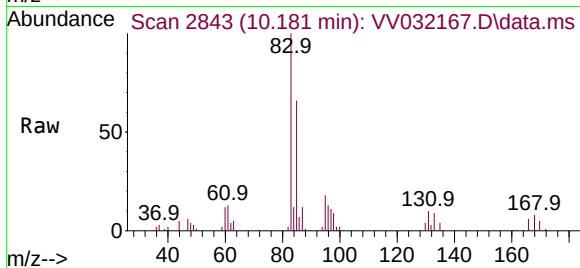
Tgt Ion: 83 Resp: 14478

Ion Ratio Lower Upper

83 100

85 65.6 44.7 82.9

131 10.4 7.4 11.0



#59

Bromoform

Concen: 4.393 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.003 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

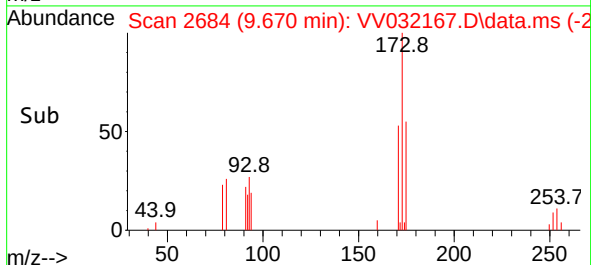
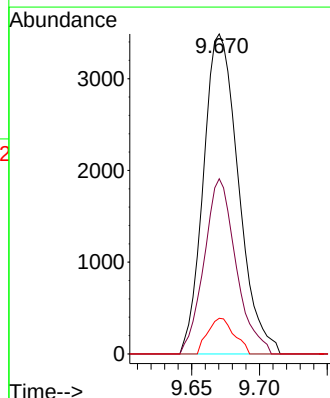
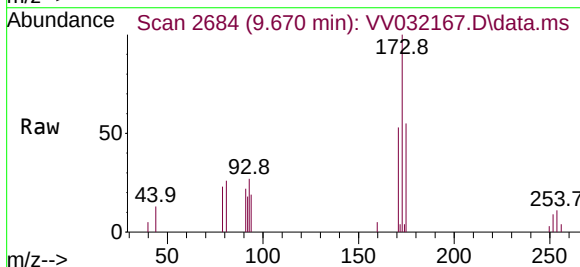
Tgt Ion: 173 Resp: 6270

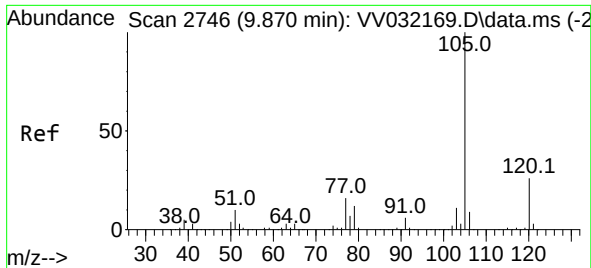
Ion Ratio Lower Upper

173 100

175 49.9 39.5 59.3

254 8.4 7.0 10.4

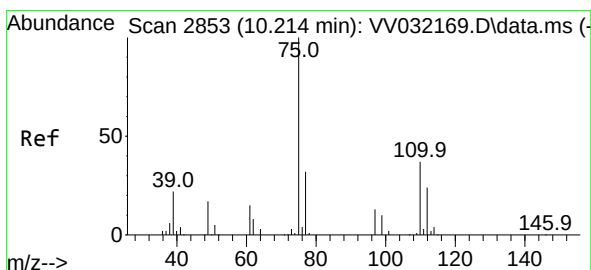
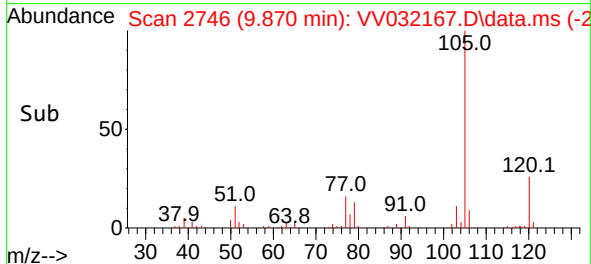
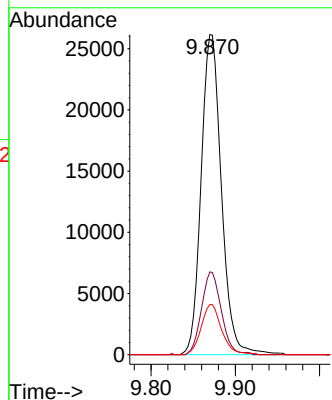
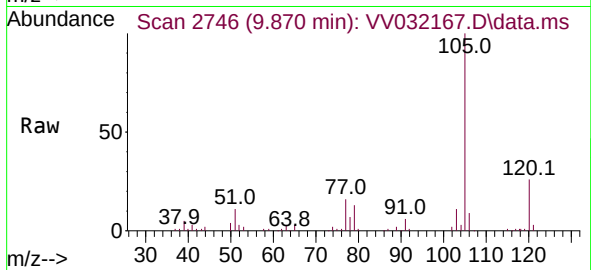




#60
Isopropylbenzene
Concen: 4.811 ug/L
RT: 9.870 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

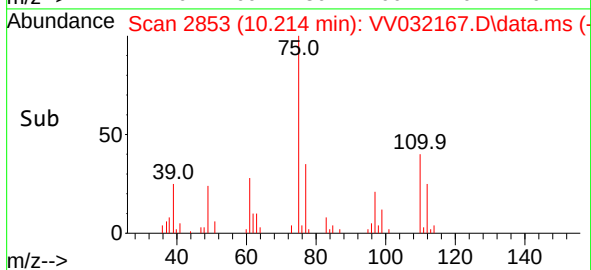
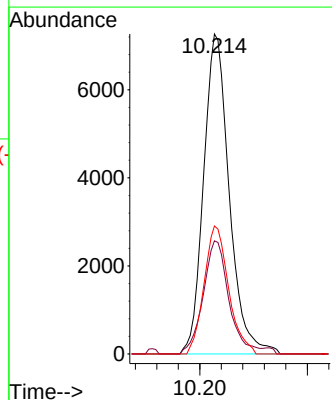
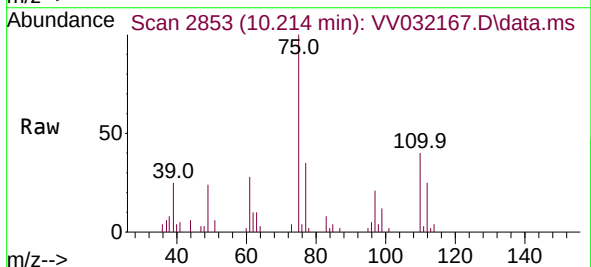
Instrument :
MSVOA_V
ClientSampleId :

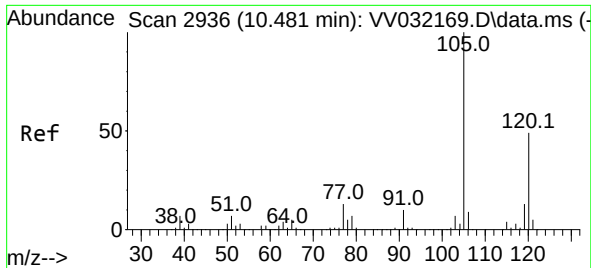
Tgt Ion:105 Resp: 43877
Ion Ratio Lower Upper
105 100
120 25.0 21.0 31.6
77 15.7 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 4.648 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032167.D
Acq: 25 Sep 2023 11:52

Tgt Ion: 75 Resp: 12034
Ion Ratio Lower Upper
75 100
77 35.4 26.1 39.1
110 38.2 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 4.619 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

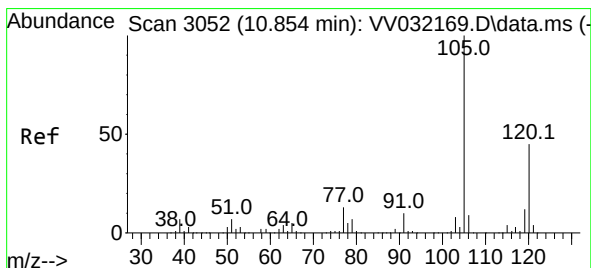
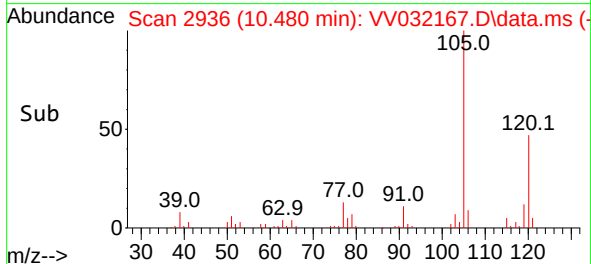
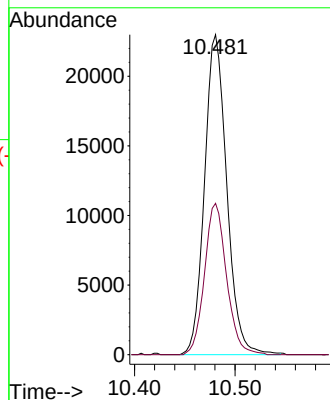
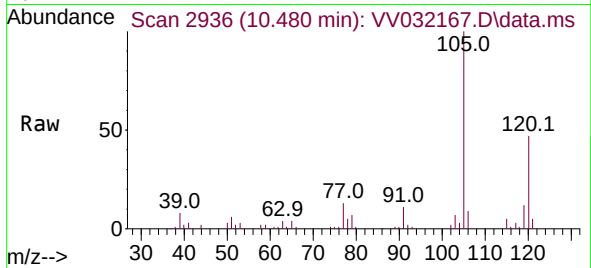
ClientSampleId :

Tgt Ion:105 Resp: 35328

Ion Ratio Lower Upper

105 100

120 46.8 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 4.489 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV032167.D

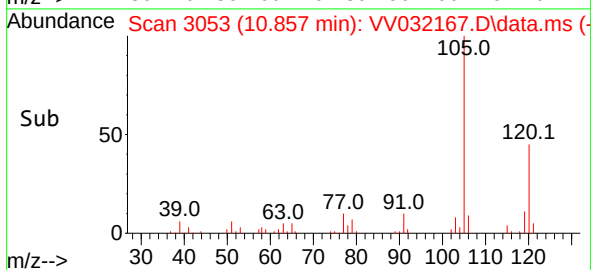
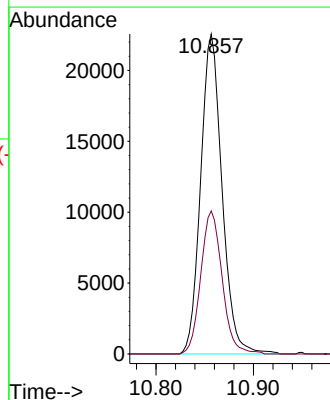
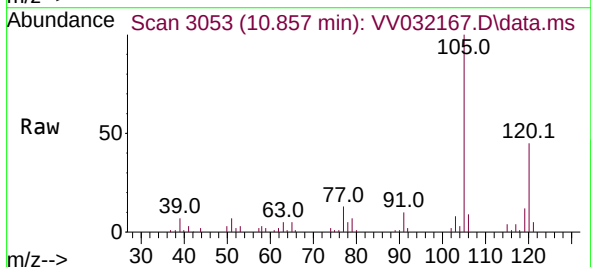
Acq: 25 Sep 2023 11:52

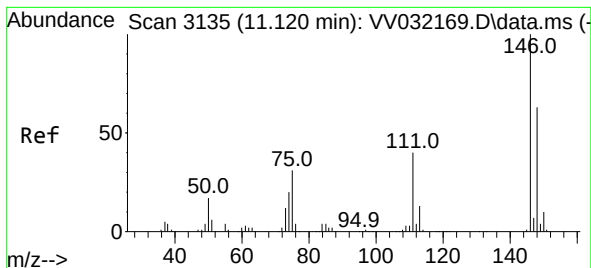
Tgt Ion:105 Resp: 34402

Ion Ratio Lower Upper

105 100

120 44.6 36.5 54.7





#64

1,3-Dichlorobenzene

Concen: 5.160 ug/L

RT: 11.124 min Scan# 3135

Delta R.T. 0.003 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

ClientSampleId :

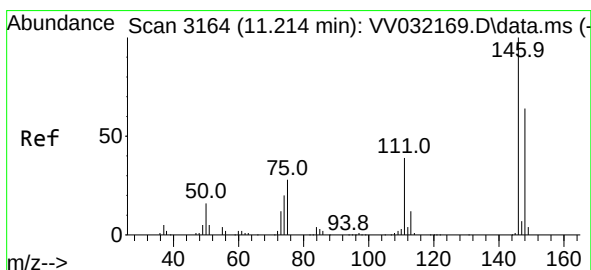
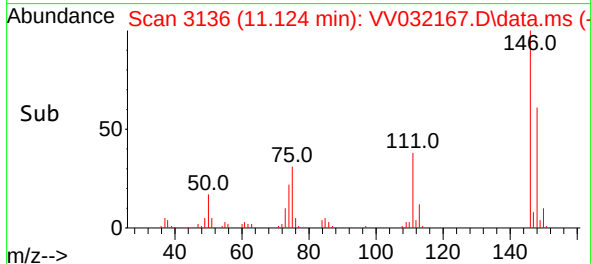
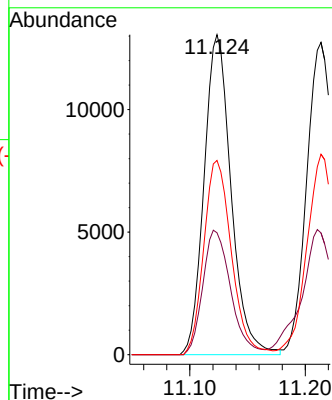
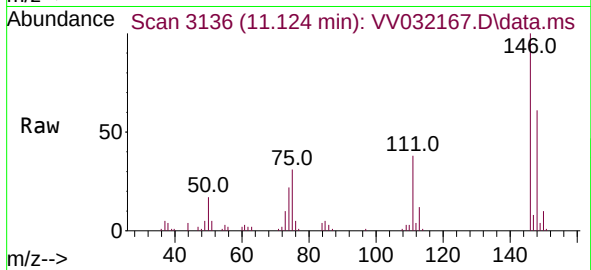
Tgt Ion:146 Resp: 21232

Ion Ratio Lower Upper

146 100

111 38.1 28.3 52.5

148 60.7 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 5.145 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

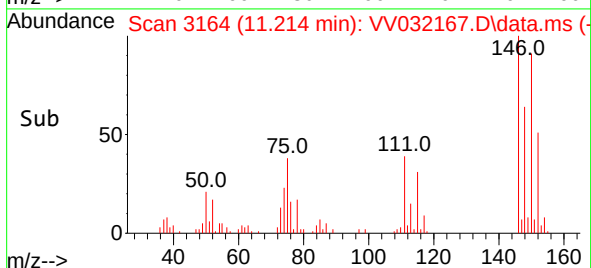
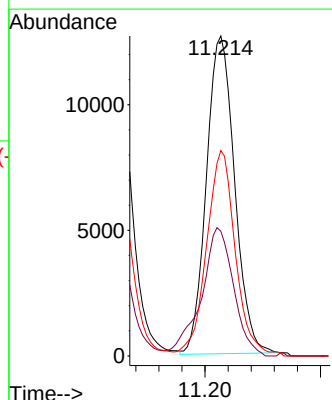
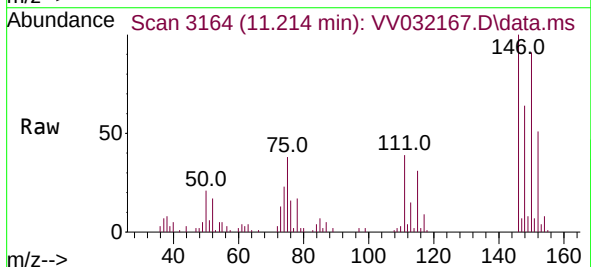
Tgt Ion:146 Resp: 21492

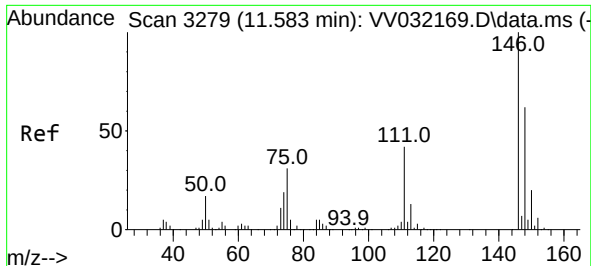
Ion Ratio Lower Upper

146 100

111 39.0 27.5 51.1

148 64.2 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.005 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

ClientSampleId :

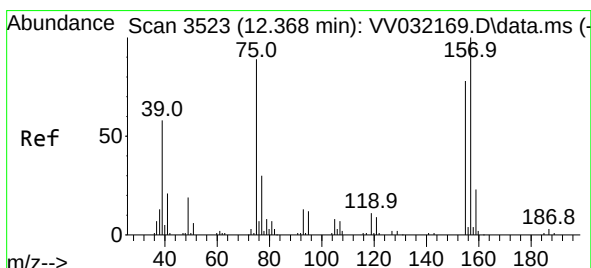
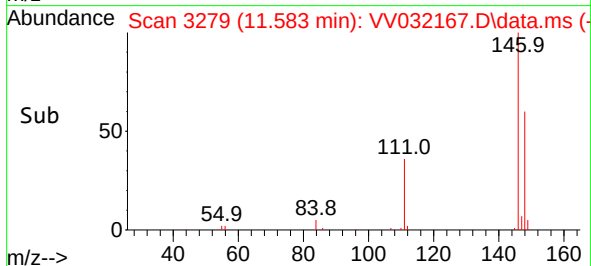
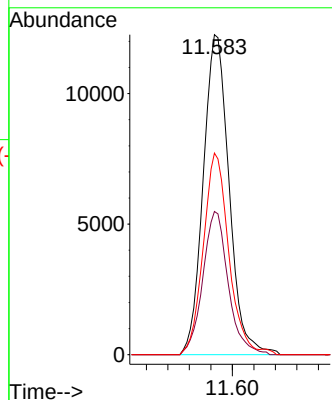
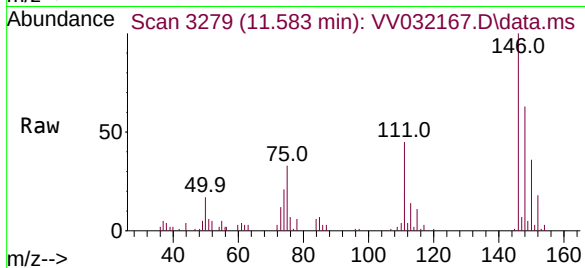
Tgt Ion:146 Resp: 20460

Ion Ratio Lower Upper

146 100

111 44.8 33.6 50.4

148 63.0 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 3.916 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

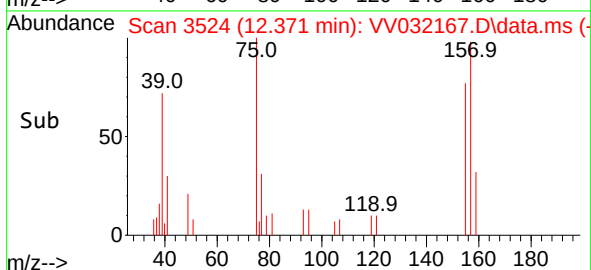
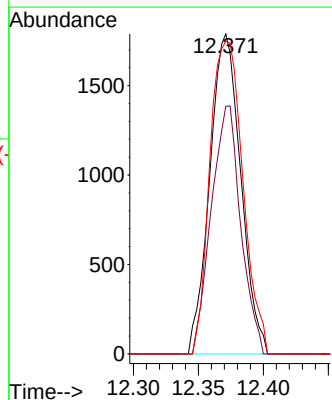
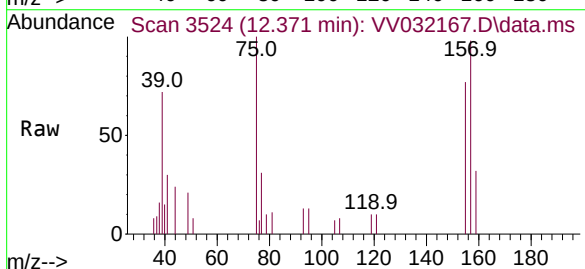
Tgt Ion: 75 Resp: 2970

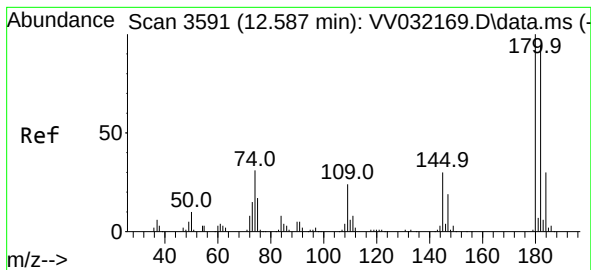
Ion Ratio Lower Upper

75 100

155 77.4 70.0 105.0

157 97.8 90.4 135.6





#69

1,3,5-Trichlorobenzene

Concen: 5.142 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. -0.000 min

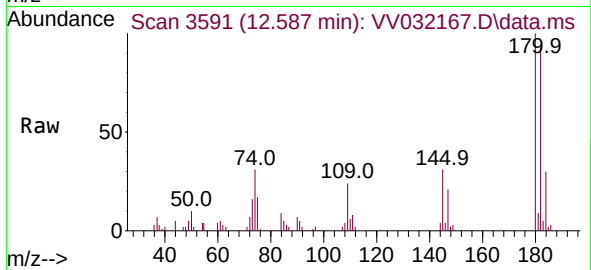
Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 15327

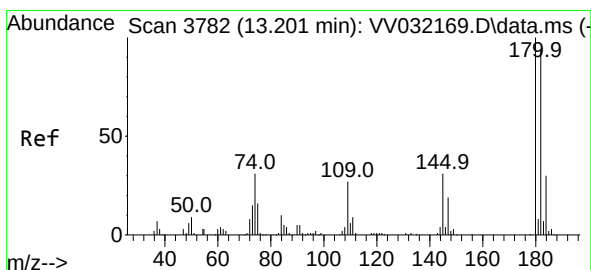
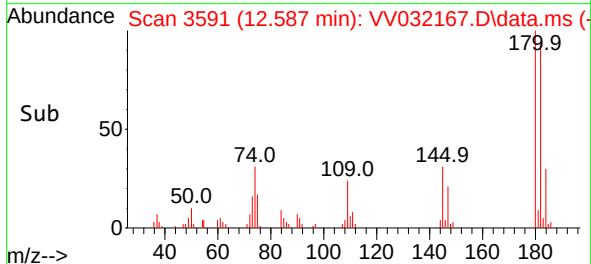
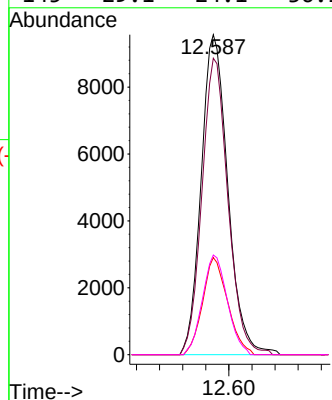
Ion Ratio Lower Upper

180 100

182 90.1 75.6 113.4

184 28.6 23.9 35.9

145 29.1 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 4.788 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.003 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

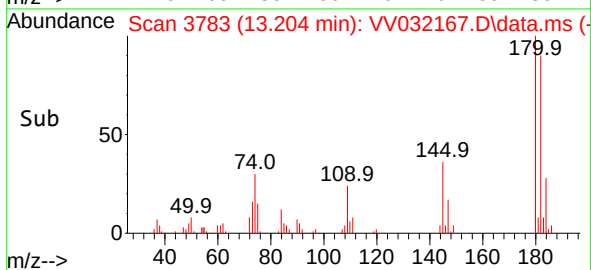
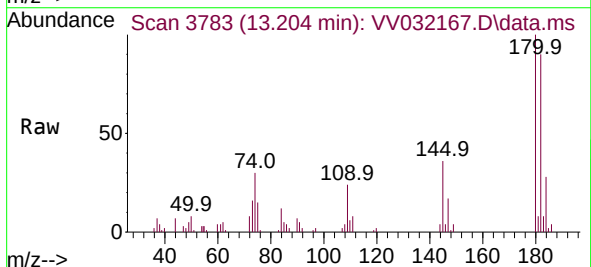
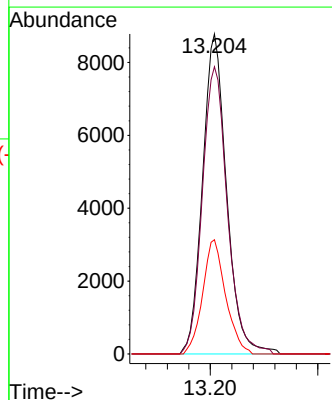
Tgt Ion:180 Resp: 13651

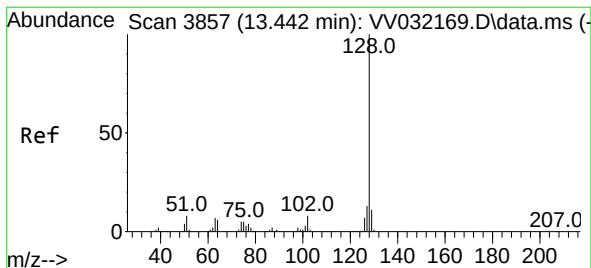
Ion Ratio Lower Upper

180 100

182 93.0 75.3 112.9

145 34.1 24.4 36.6





#71

Naphthalene

Concen: 3.910 ug/L

RT: 13.445 min Scan# 3857

Delta R.T. 0.003 min

Lab File: VV032167.D

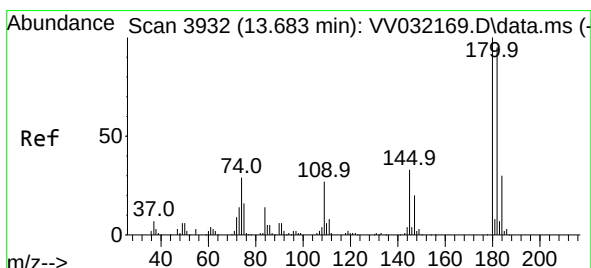
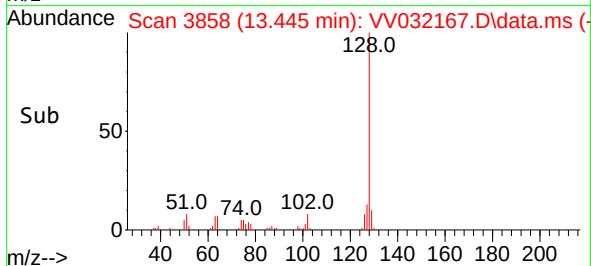
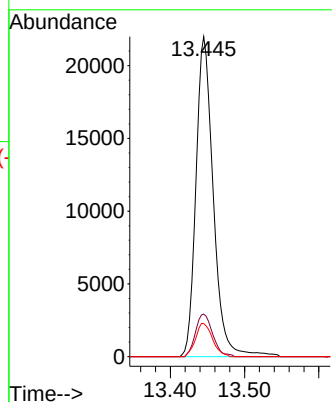
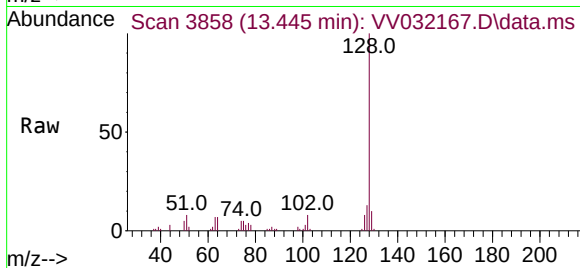
Acq: 25 Sep 2023 11:52

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	35768
Ion Ratio	Lower	Upper
128	100	
127	13.3	10.1 15.1
129	10.2	8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 4.793 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.003 min

Lab File: VV032167.D

Acq: 25 Sep 2023 11:52

Tgt Ion:180	Resp:	13229
Ion Ratio	Lower	Upper
180	100	
182	93.4	75.2 112.8
145	31.8	25.8 38.8

