

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112124\
 Data File : VV038255.D
 Acq On : 21 Nov 2024 23:19
 Operator : SY/MD
 Sample : P4884-04
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3M8

Quant Time: Nov 22 16:07:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 22 01:41:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	244941	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.777	117	269651	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	114676	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	71465	3.807	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.200%
7) Chloroethane-d5	1.529	69	71612	4.716	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.053	65	33113	4.099	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.000%
20) 2-Butanone-d5	3.780	46	179615	50.160	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.320%
24) Chloroform-d	4.243	84	166817	4.578	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	4.934	65	79889	4.852	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	4.950	84	289952	4.160	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	5.979	67	96331	4.503	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.000%
41) Toluene-d8	7.236	98	226526	3.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.200%
43) trans-1,3-Dichloroprop...	7.555	79	25585	3.281	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.600%
46) 2-Hexanone-d5	8.018	63	128735	43.521	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.040%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	79461	4.365	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	11.555	152	95587	4.892	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.105	85	6768	0.292	ug/L	98
9) Trichlorofluoromethane	1.709	101	11065	0.344	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	4787	0.261	ug/L	90
16) Methylene chloride	2.439	84	25348	1.271	ug/L	91
17) Methyl tert-butyl Ether	2.703	73	10633	0.269	ug/L	96
22) cis-1,2-Dichloroethene	3.802	96	2534	0.133	ug/L	92
27) 1,2-Dichloroethane	5.066	62	2753	0.141	ug/L #	94
29) 1,1,1-Trichloroethane	4.503	97	34598	1.070	ug/L	99
34) Trichloroethene	5.838	95	16102	0.780	ug/L	95
35) Methylcyclohexane	5.982	83	24120	0.826	ug/L #	20
37) 1,2-Dichloropropane	5.982	63	10207	0.538	ug/L #	85
42) Toluene	7.323	91	21749	0.271	ug/L	94
47) Tetrachloroethene	7.896	164	49548	2.986	ug/L	96
49) Dibromochloromethane	7.896	129	46351	2.763	ug/L #	11
51) Chlorobenzene	8.815	112	12129	0.219	ug/L	98
52) Ethylbenzene	8.953	91	6814	0.080	ug/L	93
53) m,p-Xylene	9.076	106	3661	0.114	ug/L	87
61) 1,2,3-Trichloropropane	11.175	75	12879	1.312	ug/L #	64
67) 1,2-Dichlorobenzene	11.577	146	4861	0.148	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 22 01:41:27 2024
Response via : Initial Calibration

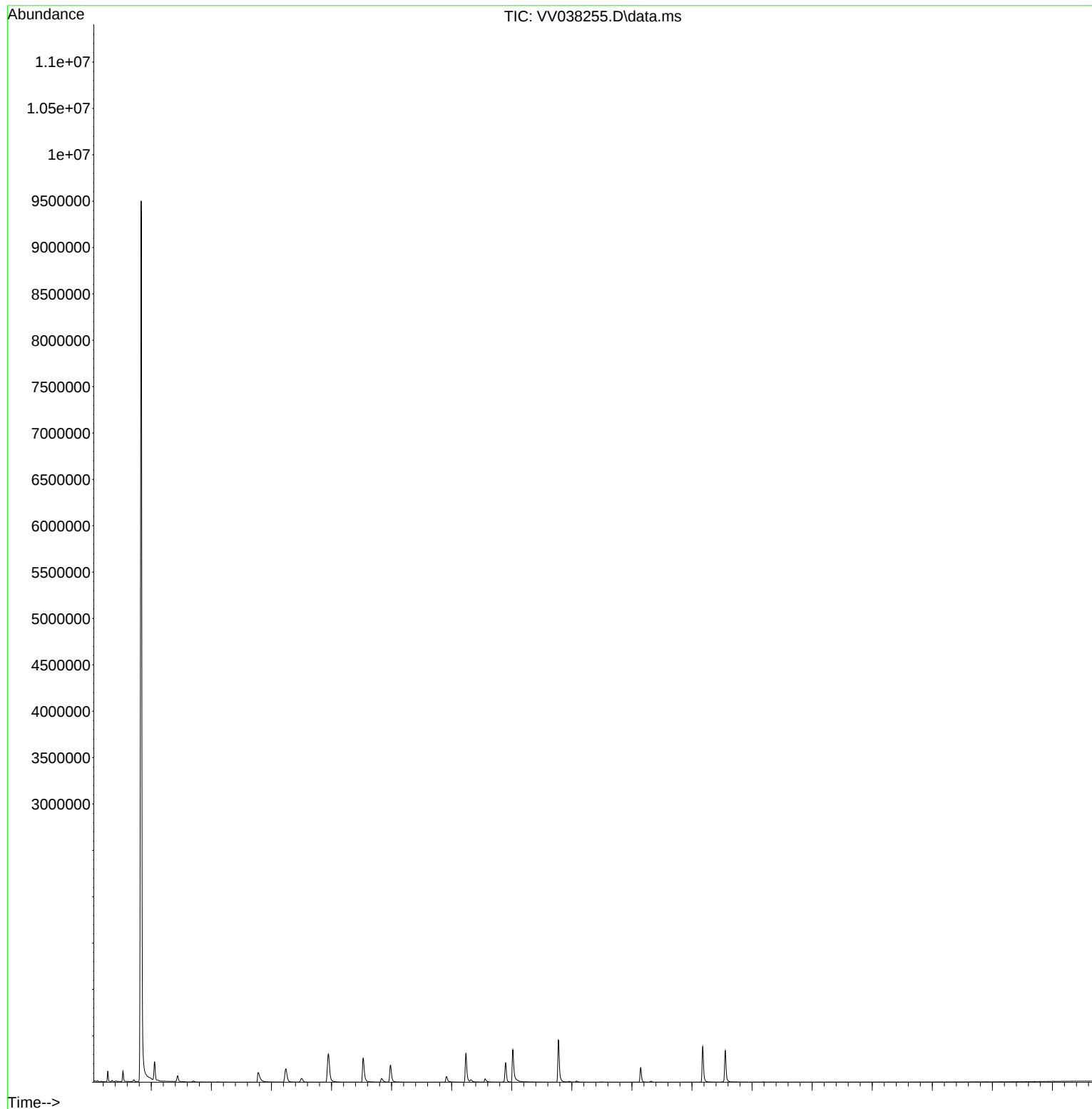
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

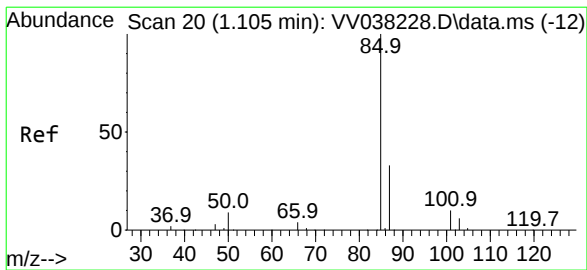
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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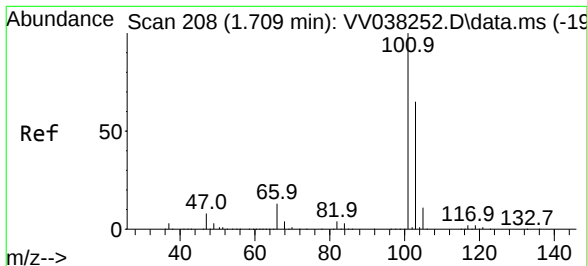
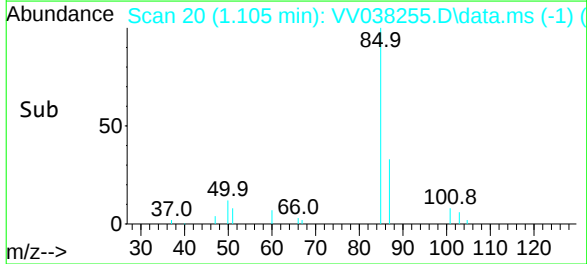
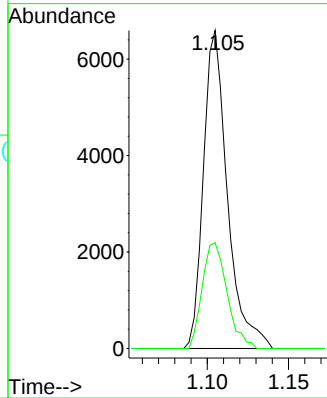
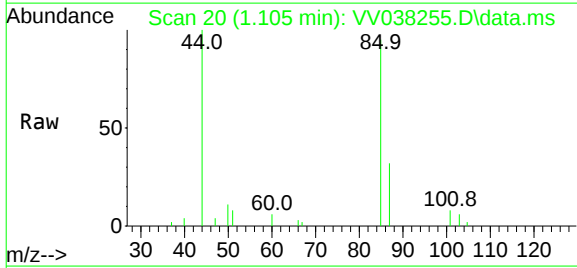




#2
 Dichlorodifluoromethane
 Concen: 0.292 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV038255.D
 Acq: 21 Nov 2024 23:19

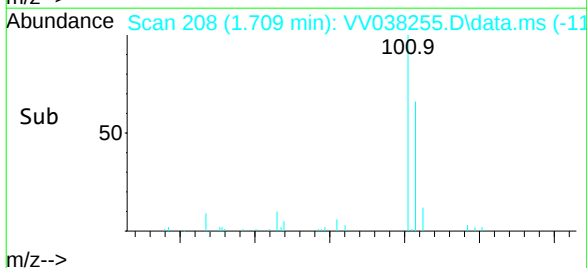
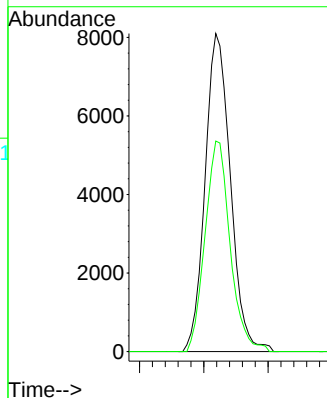
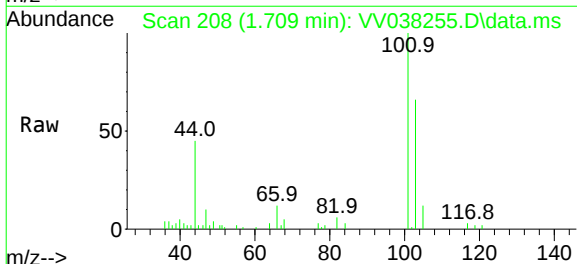
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3M8

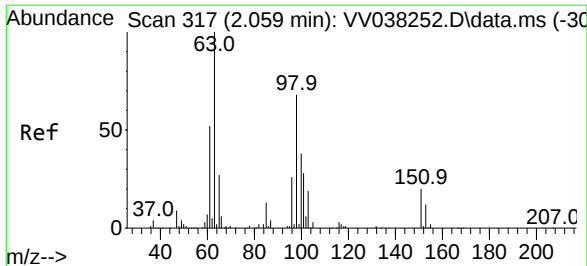
Tgt Ion: 85 Resp: 6768
 Ion Ratio Lower Upper
 85 100
 87 34.4 26.4 39.6



#9
 Trichlorofluoromethane
 Concen: 0.344 ug/L
 RT: 1.709 min Scan# 208
 Delta R.T. 0.000 min
 Lab File: VV038255.D
 Acq: 21 Nov 2024 23:19

Tgt Ion: 101 Resp: 11065
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.9 76.3

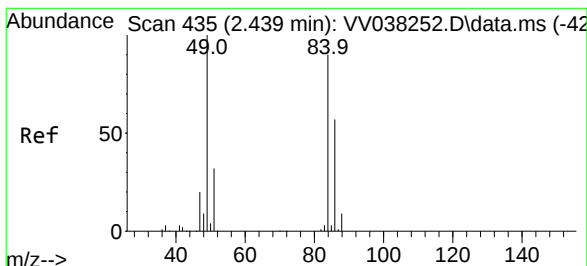
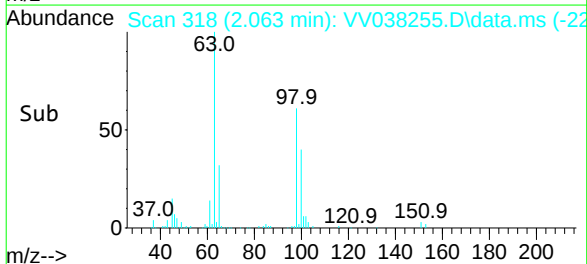
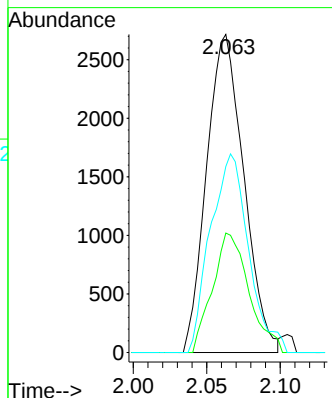
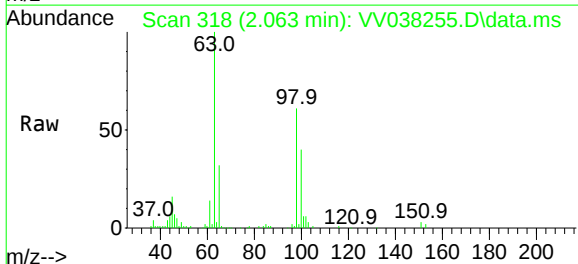




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.261 ug/L
RT: 2.063 min Scan# 317
Delta R.T. 0.003 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

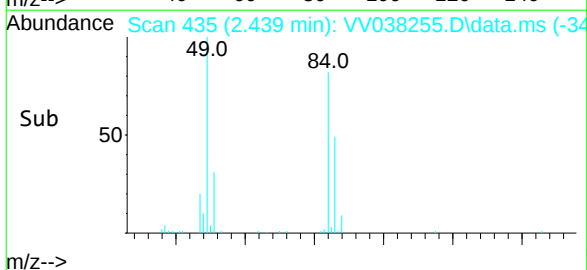
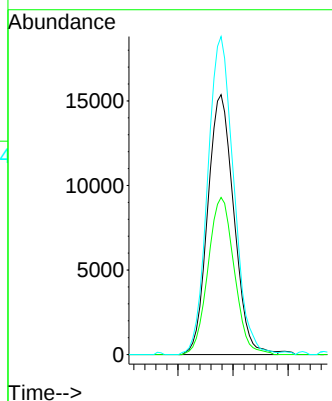
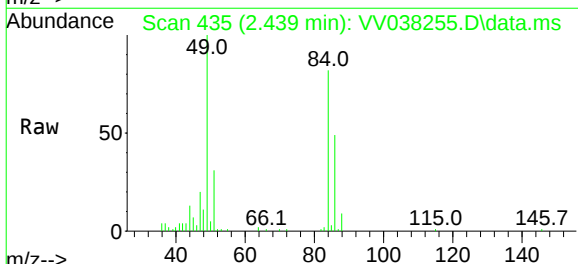
Instrument :
MSVOA_V
ClientSampleId :
BG3M8

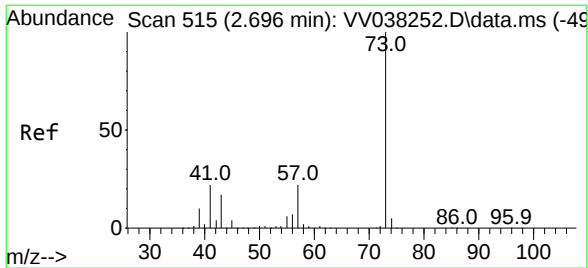
Tgt Ion:101 Resp: 4787
Ion Ratio Lower Upper
101 100
85 36.8 33.7 50.5
151 64.1 59.0 88.6



#16
Methylene chloride
Concen: 1.271 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.000 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

Tgt Ion: 84 Resp: 25348
Ion Ratio Lower Upper
84 100
86 60.5 44.4 82.5
49 122.4 77.1 143.3

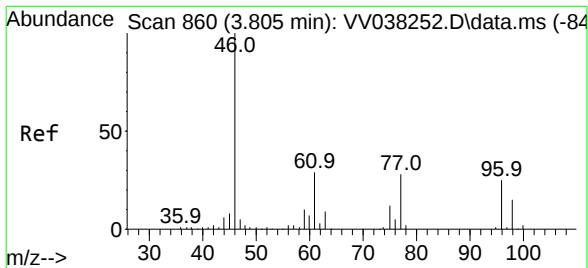
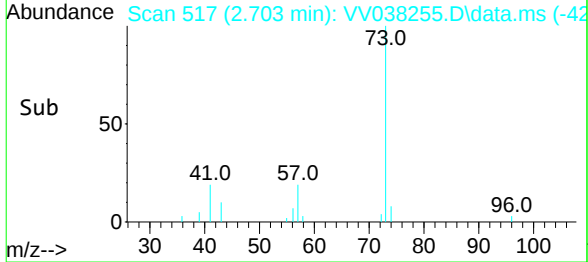
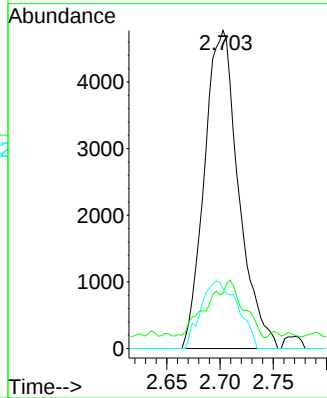
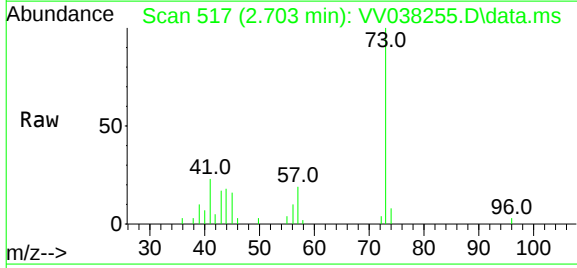




#17
Methyl tert-butyl Ether
Concen: 0.269 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.007 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

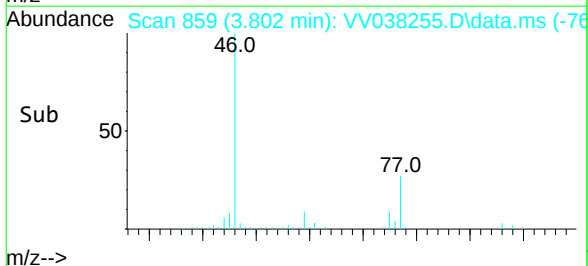
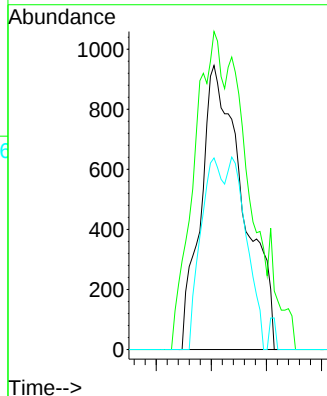
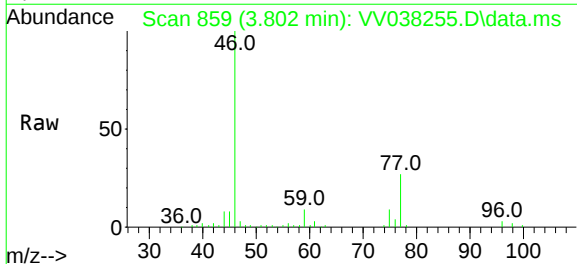
Instrument :
MSVOA_V
ClientSampleId :
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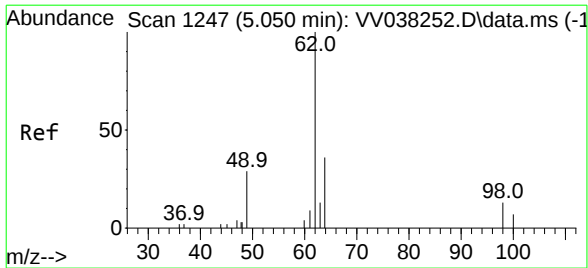
Tgt Ion:	73	Resp:	10633
Ion	Ratio	Lower	Upper
73	100		
43	19.4	14.1	21.1
57	23.0	17.2	25.8



#22
cis-1,2-Dichloroethene
Concen: 0.133 ug/L
RT: 3.802 min Scan# 859
Delta R.T. 0.000 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

Tgt Ion:	96	Resp:	2534
Ion	Ratio	Lower	Upper
96	100		
61	111.9	84.1	156.3
98	67.4	42.6	79.0

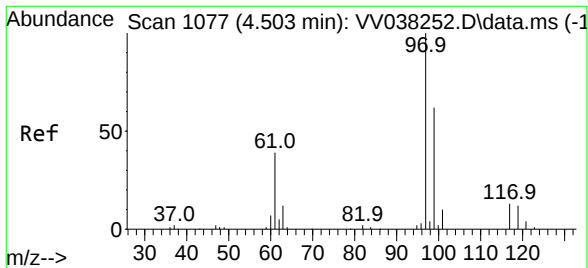
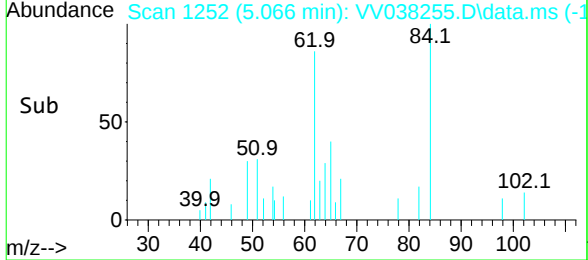
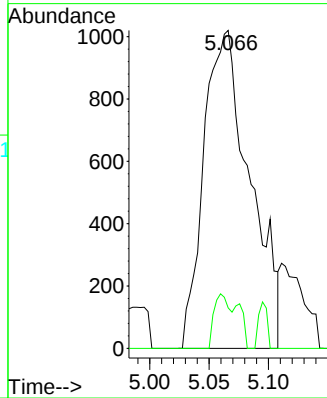
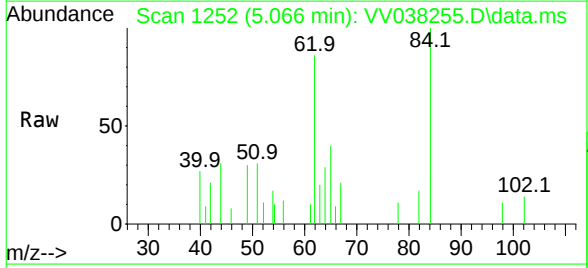




#27
1,2-Dichloroethane
Concen: 0.141 ug/L
RT: 5.066 min Scan# 1247
Delta R.T. 0.029 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

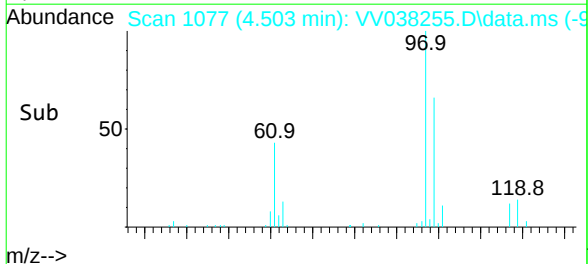
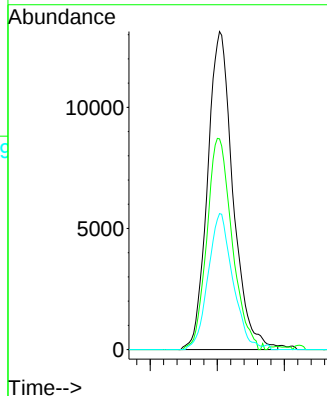
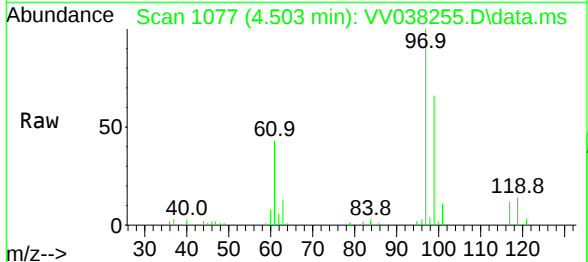
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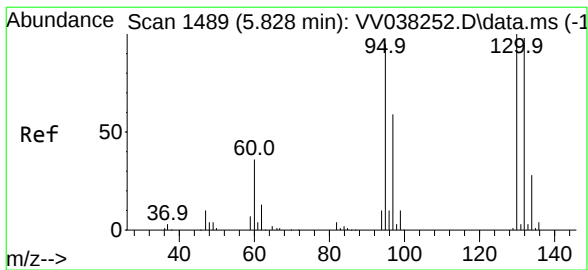
Tgt Ion: 62 Resp: 2753
Ion Ratio Lower Upper
62 100
98 12.7 8.3 12.5#



#29
1,1,1-Trichloroethane
Concen: 1.070 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. 0.007 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

Tgt Ion: 97 Resp: 34598
Ion Ratio Lower Upper
97 100
99 65.8 52.3 78.5
61 41.5 33.6 50.4





#34

Trichloroethene

Concen: 0.780 ug/L

RT: 5.838 min Scan# 14

Delta R.T. 0.013 min

Lab File: VV038255.D

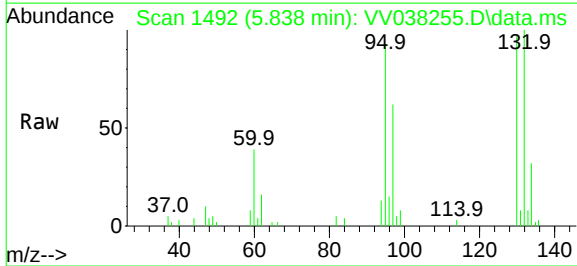
Acq: 21 Nov 2024 23:19

Instrument :

MSVOA_V

ClientSampleId :

BG3M8



Tgt Ion: 95 Resp: 16102

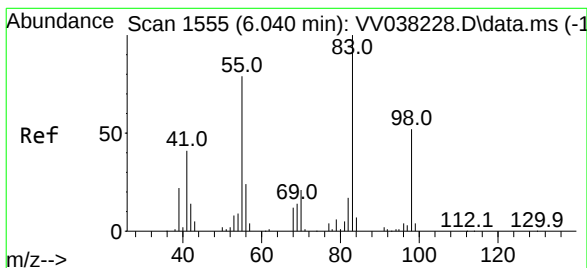
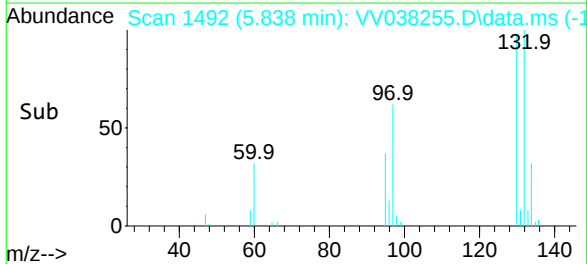
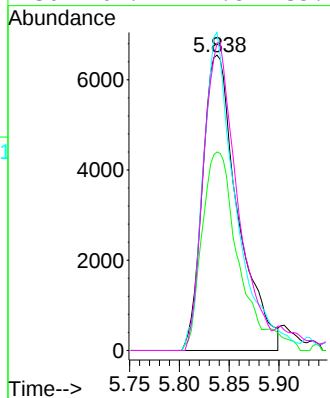
Ion Ratio Lower Upper

95 100

97 67.2 44.5 82.7

132 107.7 67.9 126.1

130 104.1 72.8 135.2



#35

Methylcyclohexane

Concen: 0.826 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038255.D

Acq: 21 Nov 2024 23:19

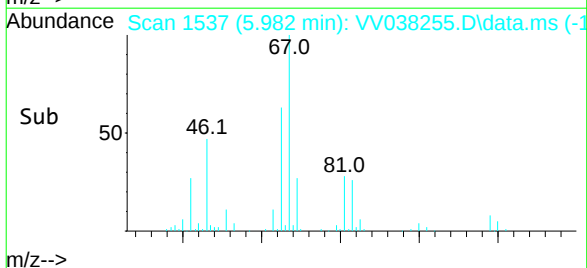
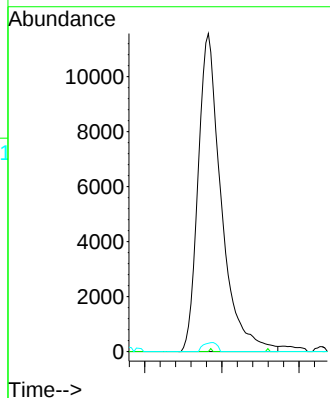
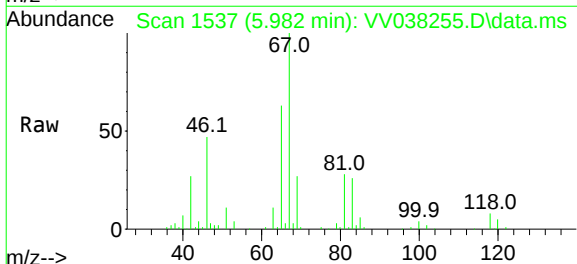
Tgt Ion: 83 Resp: 24120

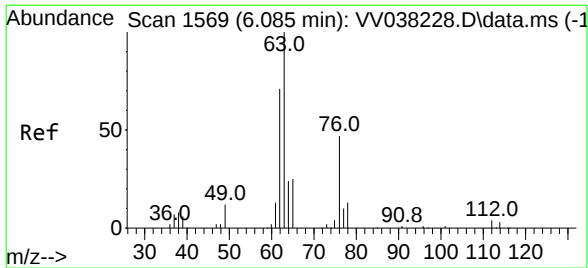
Ion Ratio Lower Upper

83 100

55 0.1 58.8 88.2#

98 1.7 40.2 60.2#

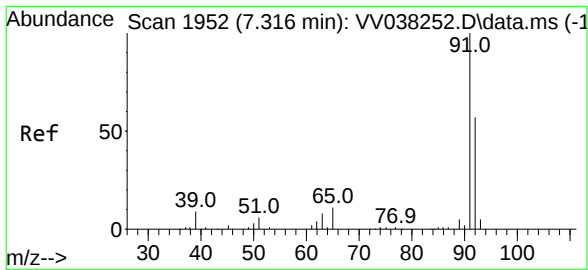
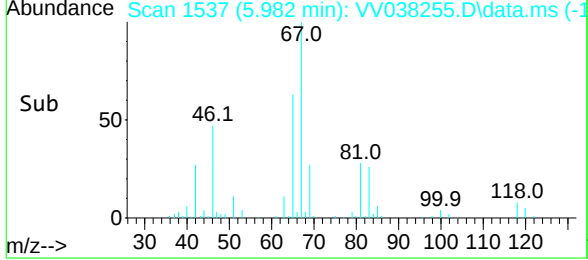
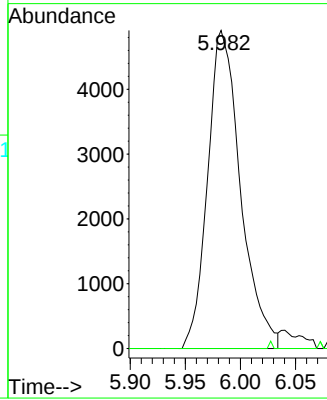
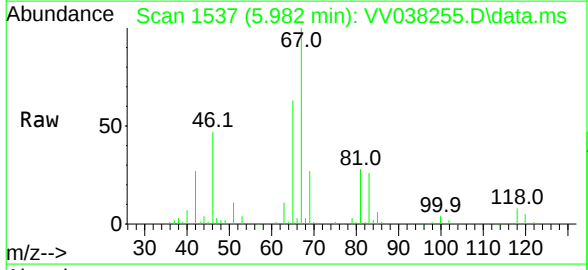




#37
1,2-Dichloropropane
Concen: 0.538 ug/L
RT: 5.982 min Scan# 15
Delta R.T. -0.099 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

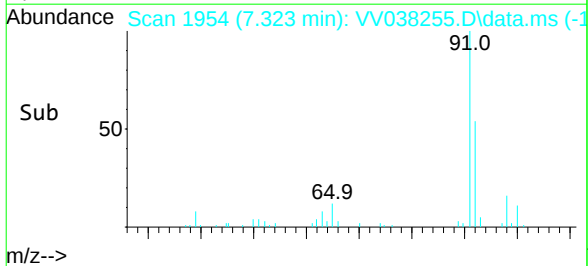
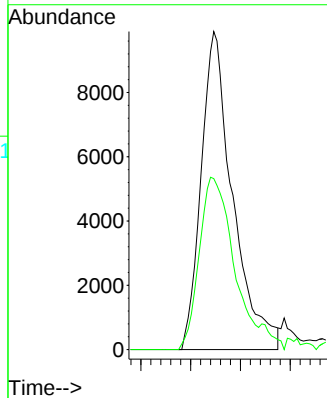
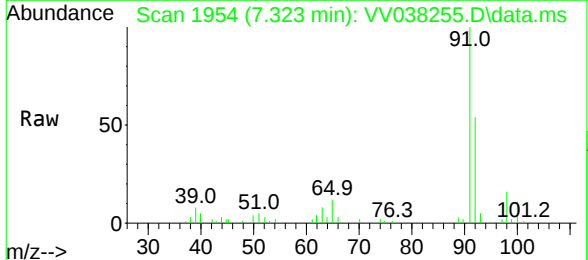
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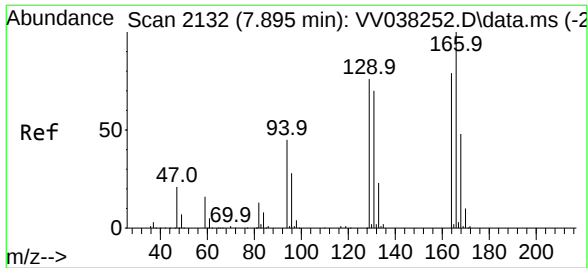
Tgt Ion: 63 Resp: 10207
Ion Ratio Lower Upper
63 100
112 0.2 4.1 6.1#



#42
Toluene
Concen: 0.271 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.016 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

Tgt Ion: 91 Resp: 21749
Ion Ratio Lower Upper
91 100
92 53.8 40.7 75.7

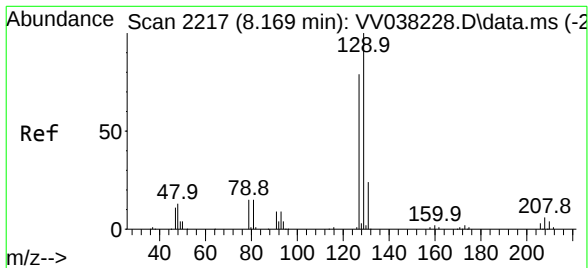
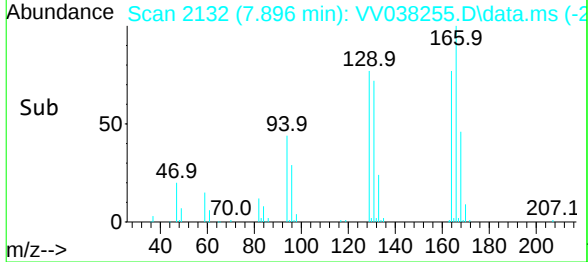
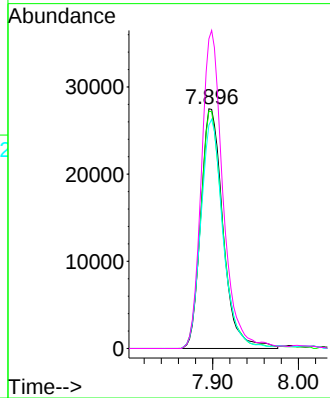
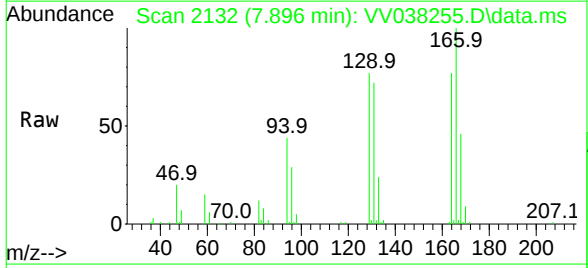




#47
Tetrachloroethene
Concen: 2.986 ug/L
RT: 7.896 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

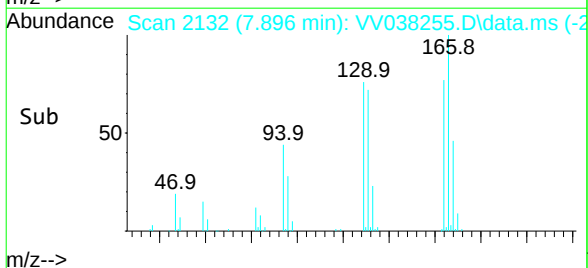
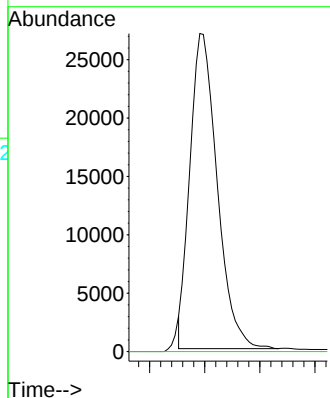
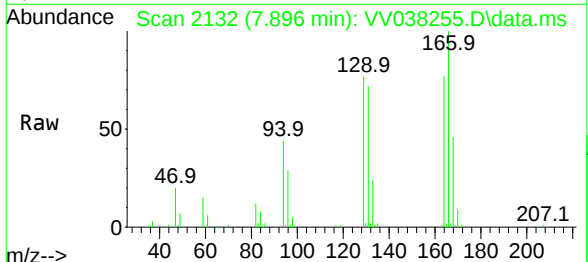
Instrument :
MSVOA_V
ClientSampleId :
BG3M8

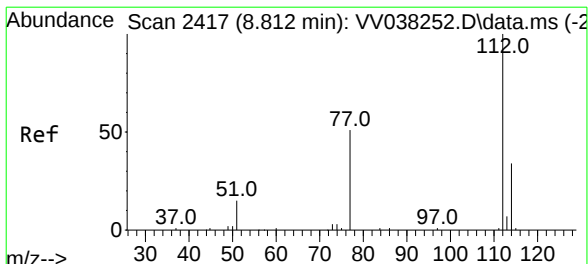
Tgt Ion:164 Resp: 49548
Ion Ratio Lower Upper
164 100
129 99.1 67.8 125.8
131 93.1 62.6 116.3
166 129.2 86.8 161.2



#49
Dibromochloromethane
Concen: 2.763 ug/L
RT: 7.896 min Scan# 2132
Delta R.T. -0.273 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

Tgt Ion:129 Resp: 46351
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#

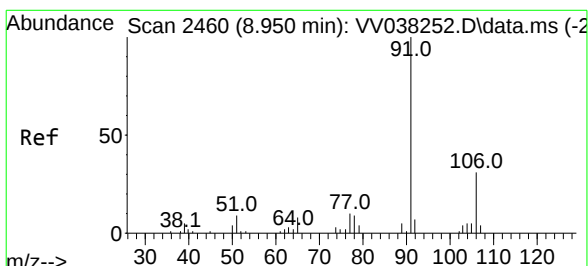
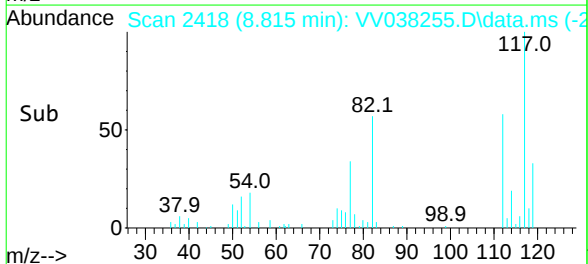
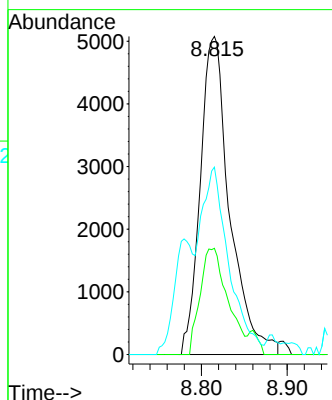
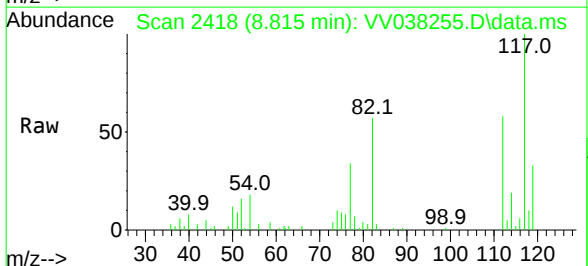




#51
Chlorobenzene
Concen: 0.219 ug/L
RT: 8.815 min Scan# 2417
Delta R.T. 0.010 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

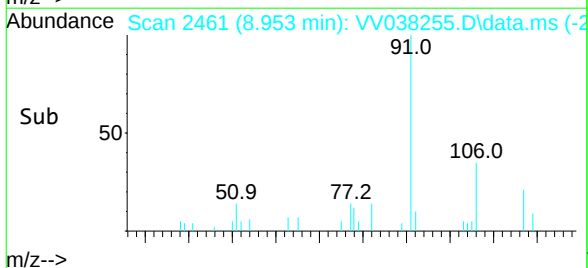
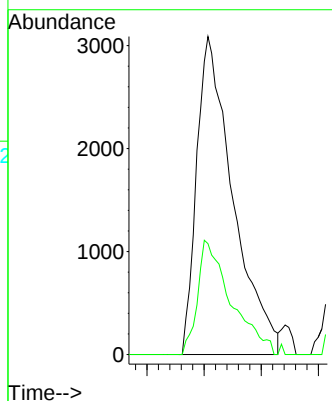
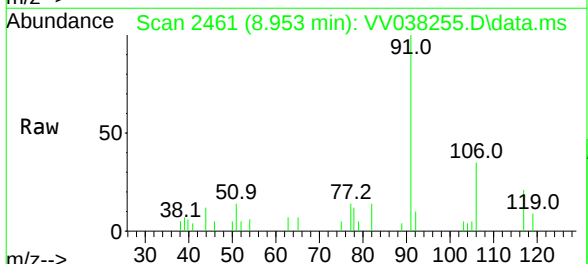
Instrument :
MSVOA_V
ClientSampleId :
BG3M8

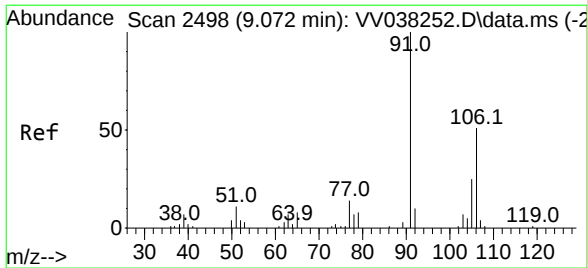
Tgt Ion:	112	Resp:	12129
Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.3	41.3
77	58.9	46.5	69.7



#52
Ethylbenzene
Concen: 0.080 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.016 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

Tgt Ion:	91	Resp:	6814
Ion	Ratio	Lower	Upper
91	100		
106	34.9	21.6	40.0

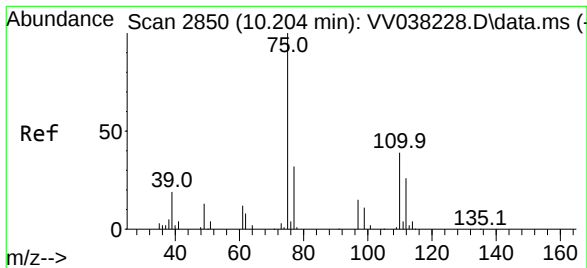
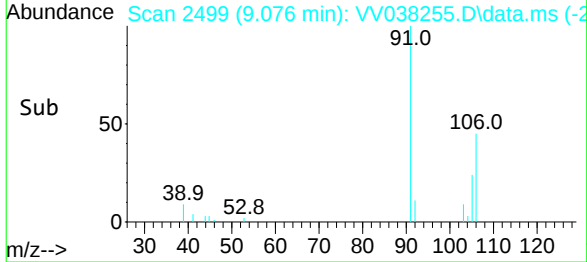
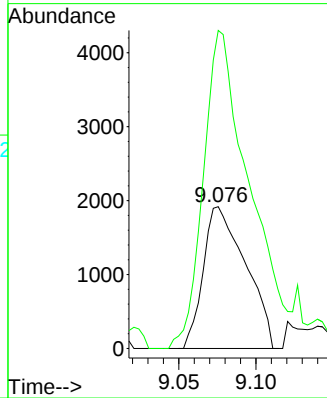
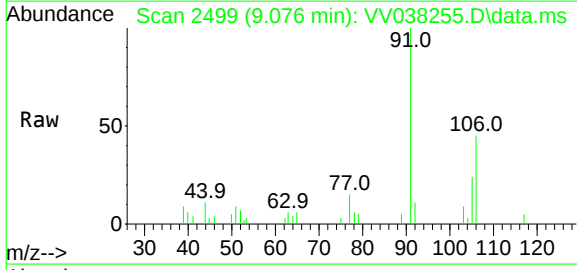




#53
m,p-Xylene
Concen: 0.114 ug/L
RT: 9.076 min Scan# 2498
Delta R.T. 0.010 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

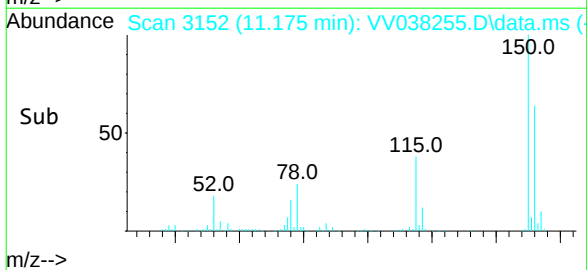
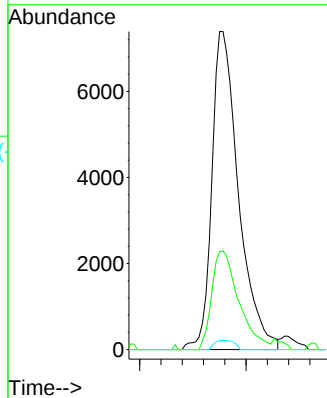
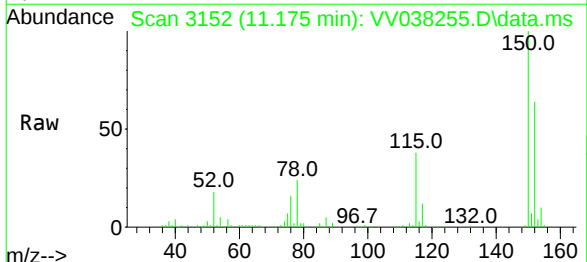
Instrument :
MSVOA_V
ClientSampleId :
BG3M8

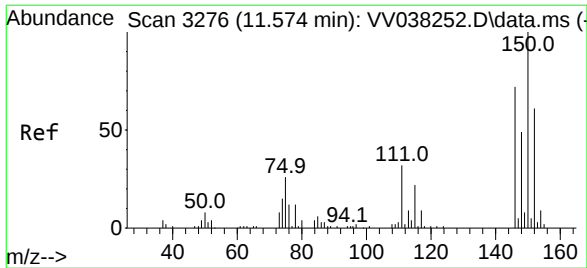
Tgt Ion:106 Resp: 3661
Ion Ratio Lower Upper
106 100
91 224.3 142.7 264.9



#61
1,2,3-Trichloropropane
Concen: 1.312 ug/L
RT: 11.175 min Scan# 3152
Delta R.T. 0.974 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

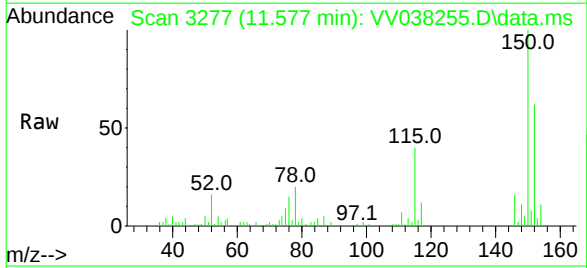
Tgt Ion: 75 Resp: 12879
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9
110 2.1 33.5 50.3#





#67
 1,2-Dichlorobenzene
 Concen: 0.148 ug/L
 RT: 11.577 min Scan# 3277
 Delta R.T. 0.007 min
 Lab File: VV038255.D
 Acq: 21 Nov 2024 23:19

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3M8



Tgt Ion:	146	Resp:	4861
Ion	Ratio	Lower	Upper
146	100		
111	43.8	34.5	51.7
148	66.9	50.4	75.6

