

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 :

Quant Time: Nov 22 01:53:46 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	47.824	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.640%
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	4.887	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
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	4.492	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
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	3.209	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.200%
46) 2-Hexanone-d5	8.018	63	128735	41.537	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.080%
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	98
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	89
17) Methyl tert-butyl Ether	2.703	73	10633	0.269	ug/L	97
22) cis-1,2-Dichloroethene	3.802	96	2534	0.133	ug/L	96
27) 1,2-Dichloroethane	5.066	62	2753	0.141	ug/L #	93
29) 1,1,1-Trichloroethane	4.503	97	34598	1.070	ug/L	98
34) Trichloroethene	5.838	95	16102	0.780	ug/L	94
35) Methylcyclohexane	5.982	83	24120	0.826	ug/L #	20
37) 1,2-Dichloropropane	5.982	63	10207	0.538	ug/L #	86
42) Toluene	7.323	91	21749	0.271	ug/L	94
47) Tetrachloroethene	7.896	164	49548	2.986	ug/L	98
49) Dibromochloromethane	7.896	129	46351	2.763	ug/L #	11
51) Chlorobenzene	8.815	112	12129	0.219	ug/L	96
52) Ethylbenzene	8.953	91	6814	0.080	ug/L	93
53) m,p-Xylene	9.076	106	3661	0.114	ug/L	83
61) 1,2,3-Trichloropropane	11.175	75	12879	1.312	ug/L #	65
67) 1,2-Dichlorobenzene	11.577	146	4861	0.148	ug/L	97

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QLast Update : Fri Nov 22 01:41:27 2024
Response via : Initial Calibration

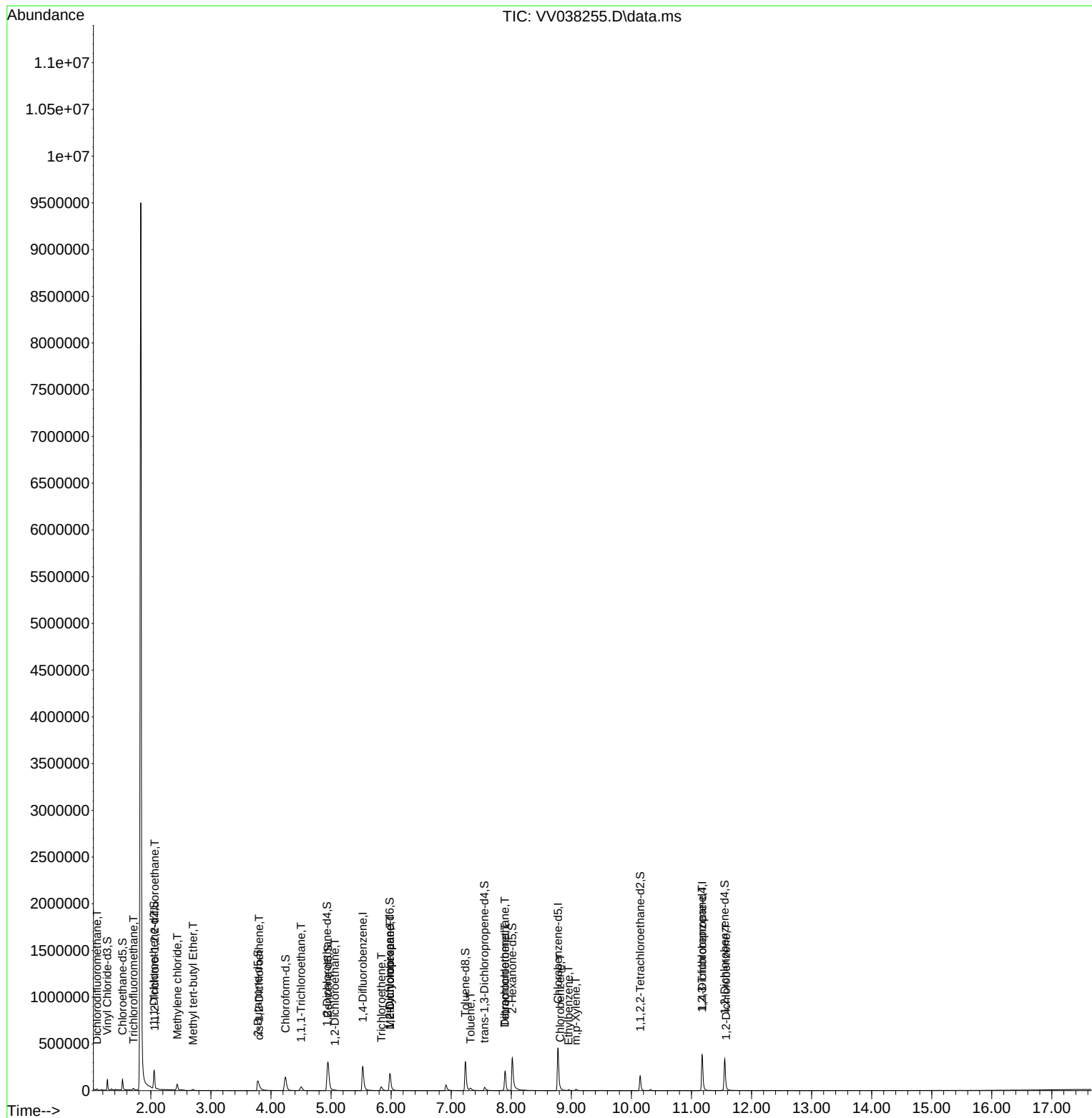
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

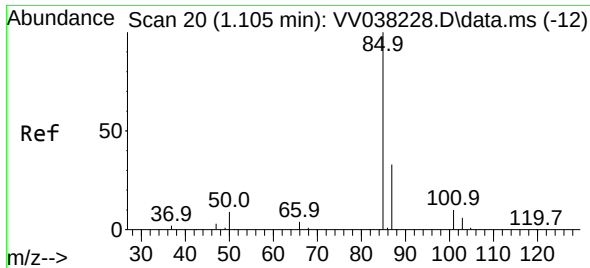
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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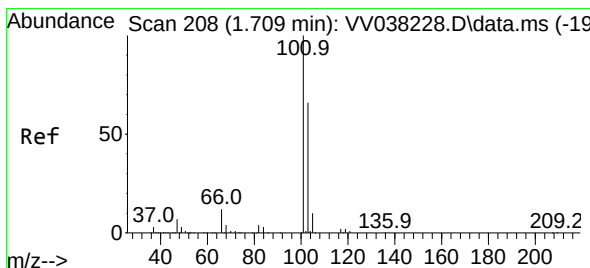
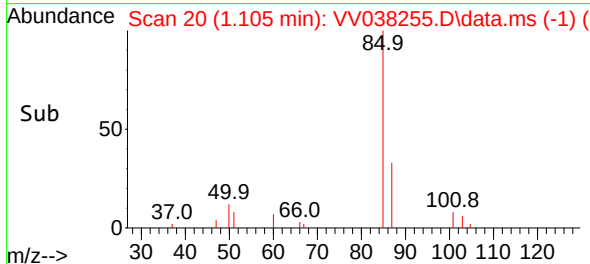
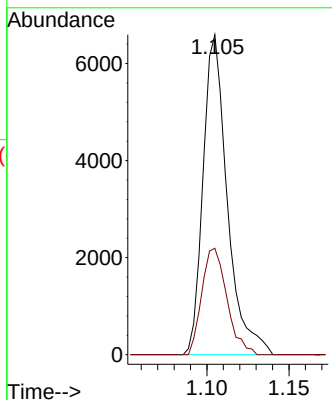
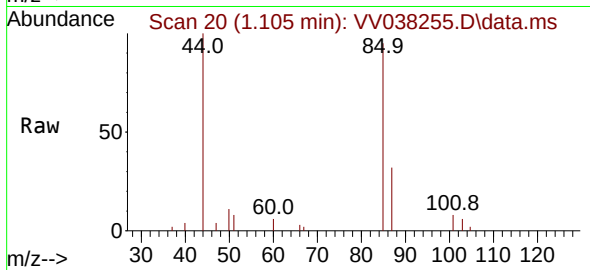




#2
 Dichlorodifluoromethane
 Concen: 0.292 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV038255.D
 Acq: 21 Nov 2024 23:19

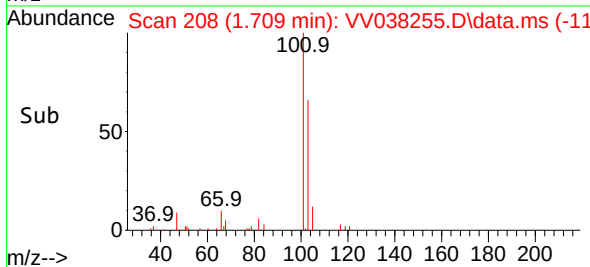
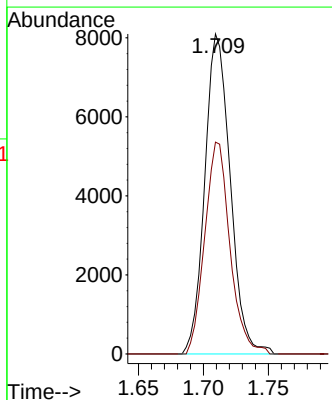
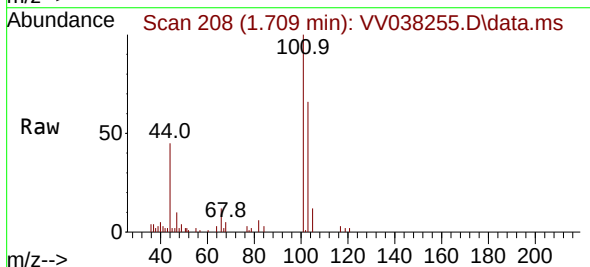
Instrument :
 MSVOA_V
 ClientSampleId :

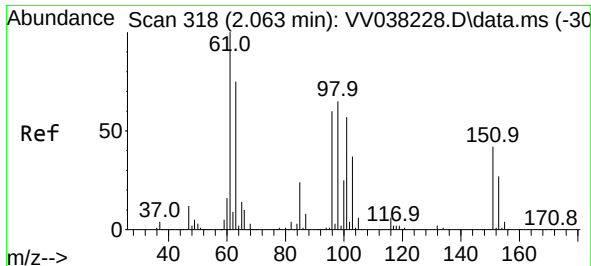
Tgt Ion: 85 Resp: 6768
 Ion Ratio Lower Upper
 85 100
 87 34.4 26.5 39.7



#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 51.5 77.3

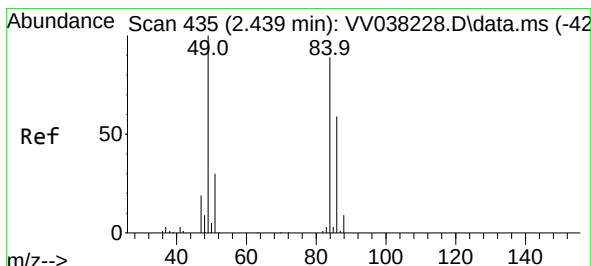
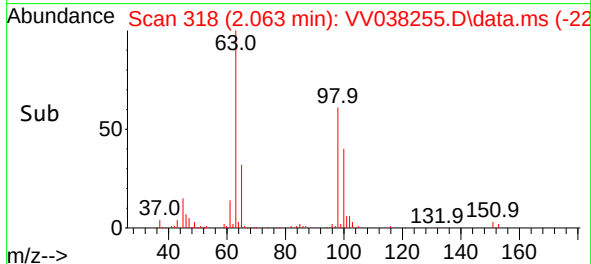
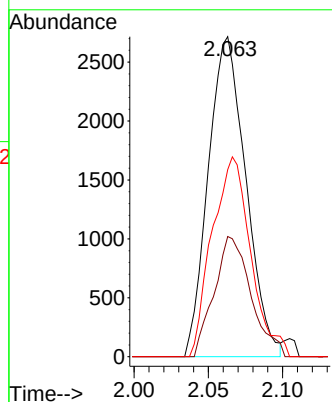
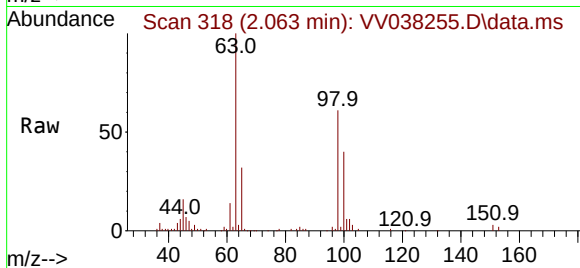




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.261 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

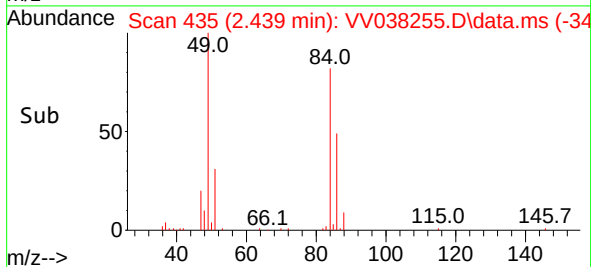
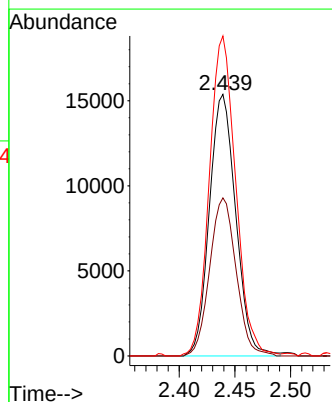
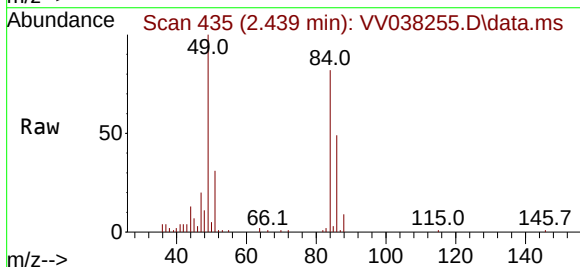
Instrument :
MSVOA_V
ClientSampleId :

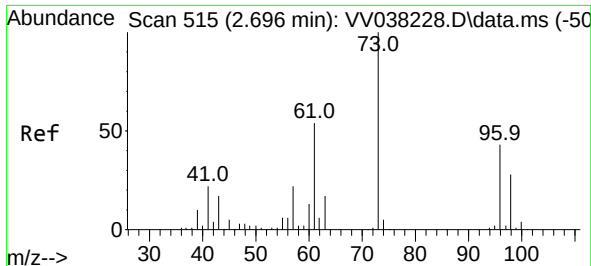
Tgt Ion:101 Resp: 4787
Ion Ratio Lower Upper
101 100
85 36.8 33.4 50.0
151 64.1 58.8 88.2



#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 44.2 82.2
49 122.4 74.9 139.1

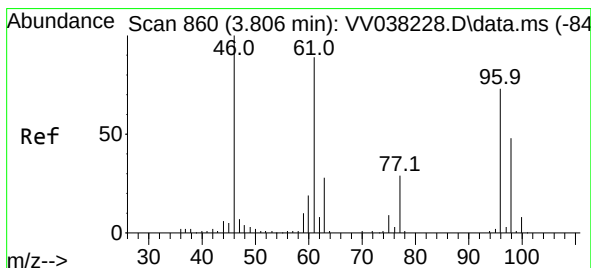
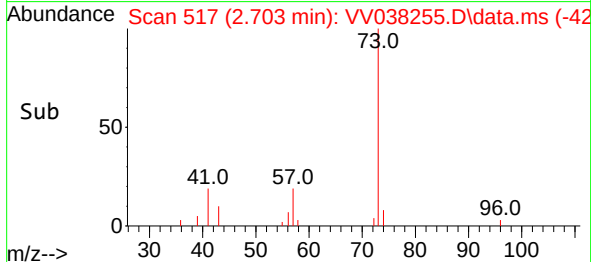
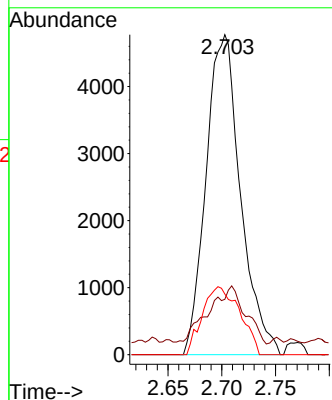
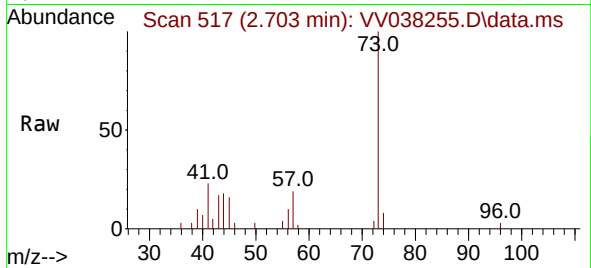




#17
Methyl tert-butyl Ether
Concen: 0.269 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.007 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

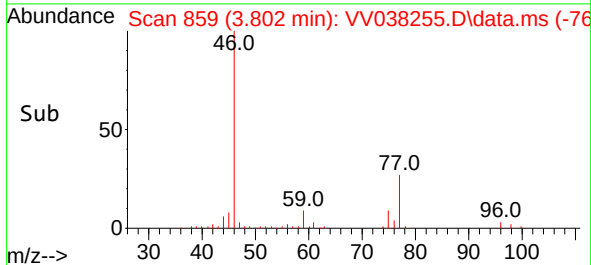
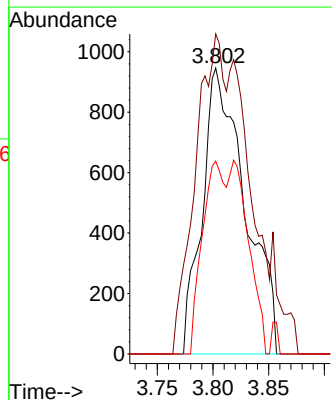
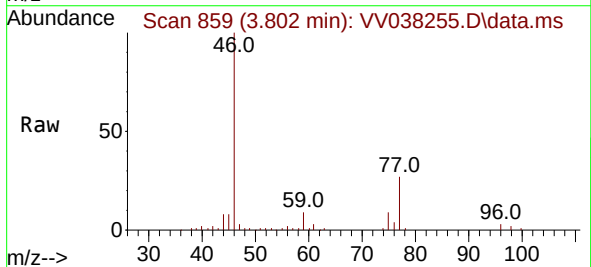
Instrument :
MSVOA_V
ClientSampleId :

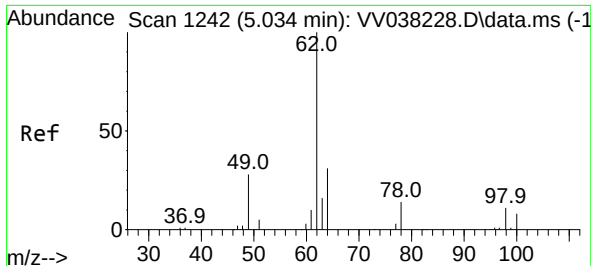
Tgt Ion: 73 Resp: 10633
Ion Ratio Lower Upper
73 100
43 19.4 14.2 21.2
57 23.0 17.6 26.4



#22
cis-1,2-Dichloroethene
Concen: 0.133 ug/L
RT: 3.802 min Scan# 859
Delta R.T. -0.003 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 82.7 153.5
98 67.4 46.3 85.9





#27

1,2-Dichloroethane

Concen: 0.141 ug/L

RT: 5.066 min Scan# 11

Delta R.T. 0.032 min

Lab File: VV038255.D

Acq: 21 Nov 2024 23:19

Instrument :

MSVOA_V

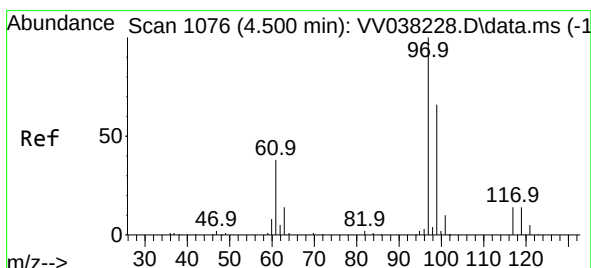
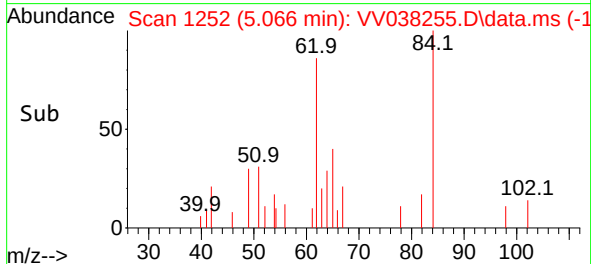
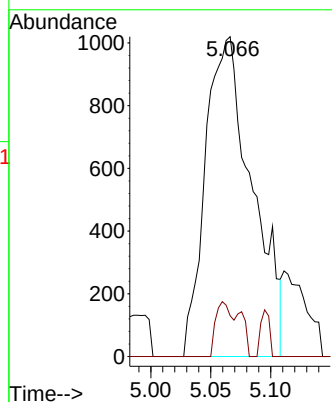
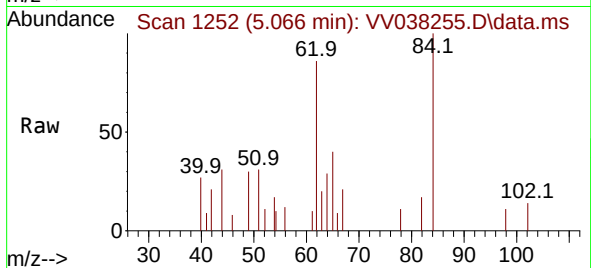
ClientSampleId :

Tgt Ion: 62 Resp: 2753

Ion Ratio Lower Upper

62 100

98 12.7 8.2 12.4#



#29

1,1,1-Trichloroethane

Concen: 1.070 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038255.D

Acq: 21 Nov 2024 23:19

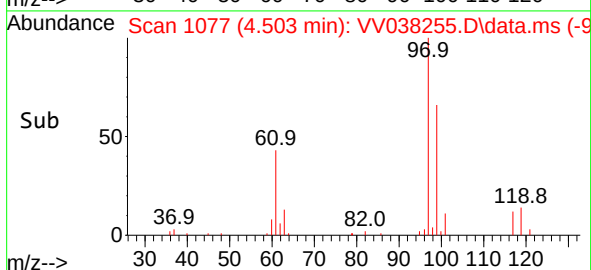
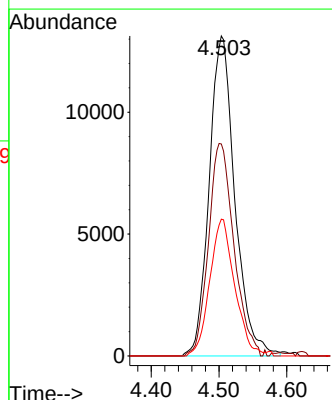
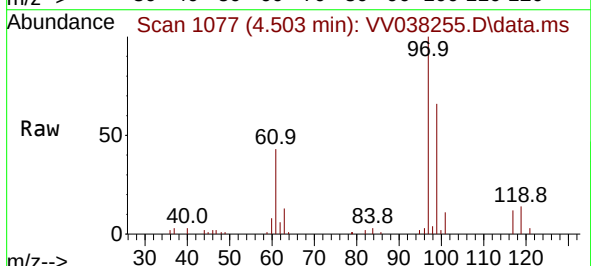
Tgt Ion: 97 Resp: 34598

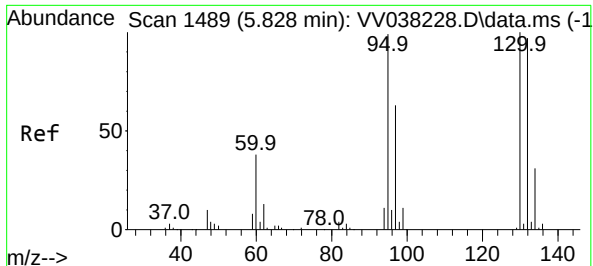
Ion Ratio Lower Upper

97 100

99 65.8 51.8 77.8

61 41.5 32.2 48.2





#34

Trichloroethene

Concen: 0.780 ug/L

RT: 5.838 min Scan# 1489

Delta R.T. 0.010 min

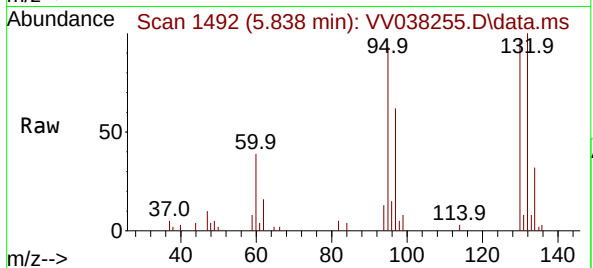
Lab File: VV038255.D

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ClientSampleId :



Tgt Ion: 95 Resp: 16102

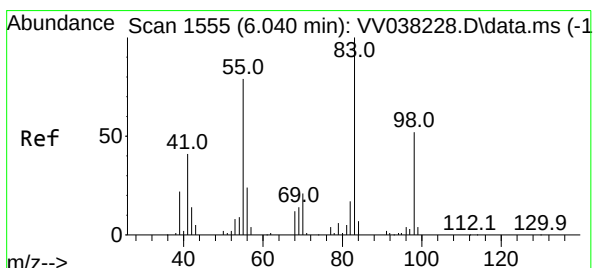
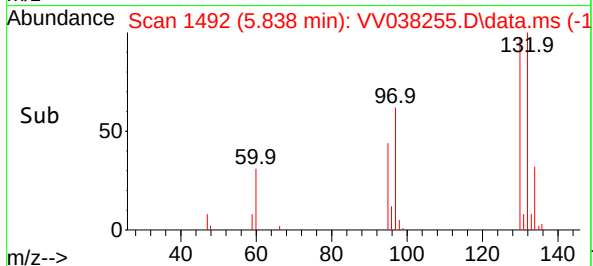
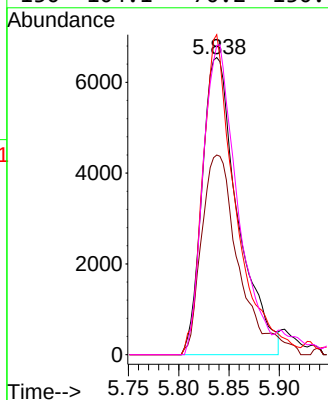
Ion Ratio Lower Upper

95 100

97 67.2 44.8 83.2

132 107.7 68.3 126.8

130 104.1 70.2 130.4



#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

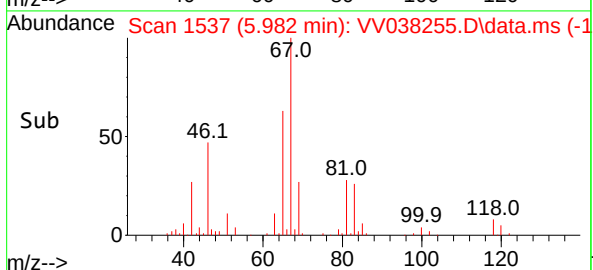
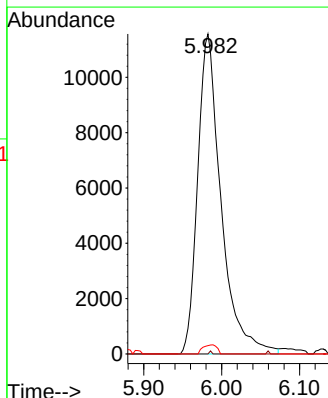
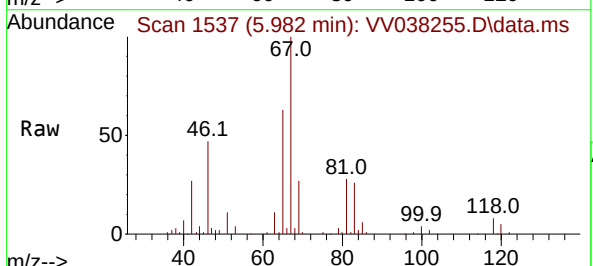
Tgt Ion: 83 Resp: 24120

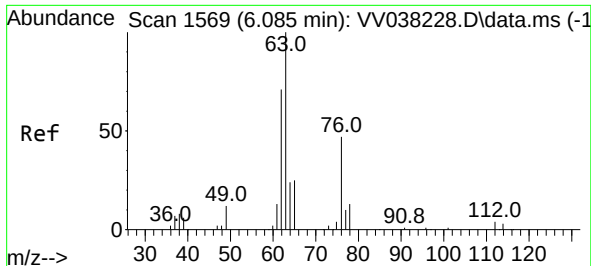
Ion Ratio Lower Upper

83 100

55 0.1 59.7 89.5#

98 1.7 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.538 ug/L

RT: 5.982 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV038255.D

Acq: 21 Nov 2024 23:19

Instrument :

MSVOA_V

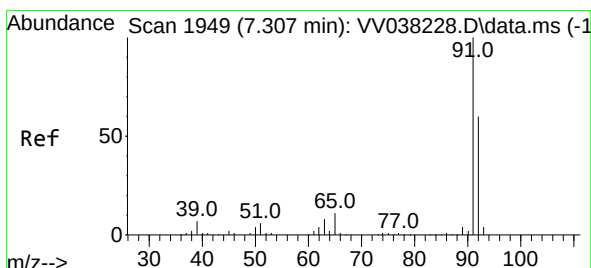
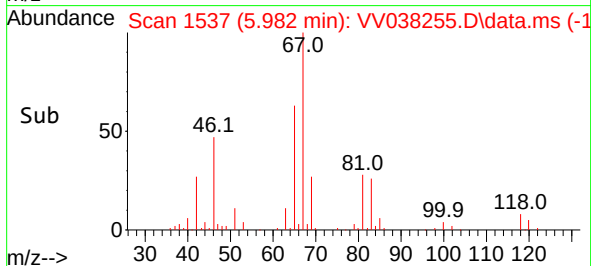
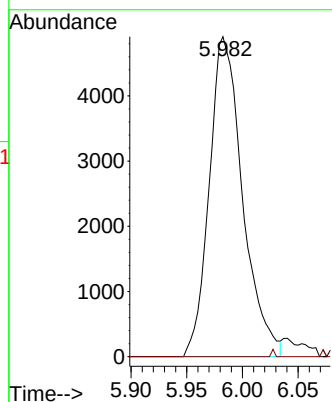
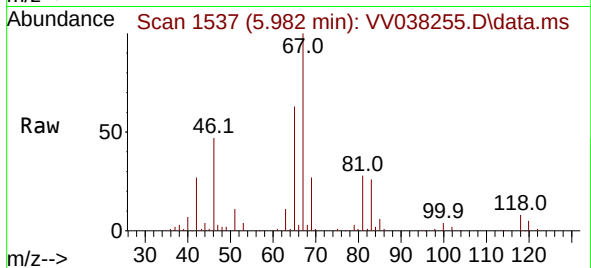
ClientSampleId :

Tgt Ion: 63 Resp: 10207

Ion Ratio Lower Upper

63 100

112 0.2 3.9 5.9#



#42

Toluene

Concen: 0.271 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.016 min

Lab File: VV038255.D

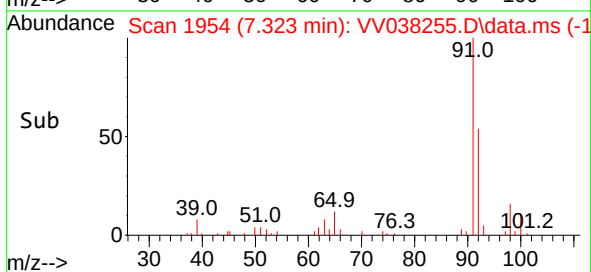
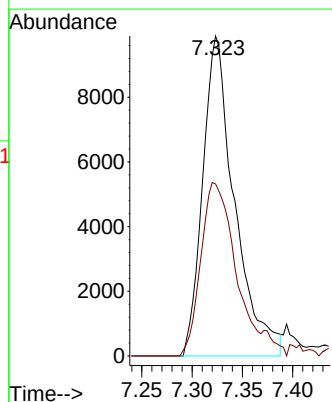
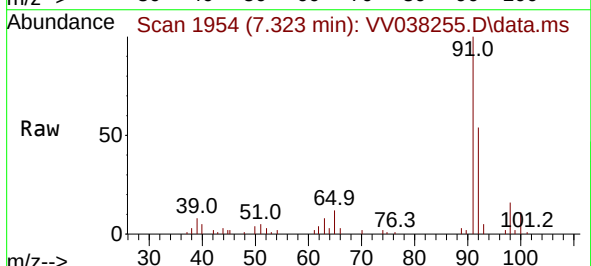
Acq: 21 Nov 2024 23:19

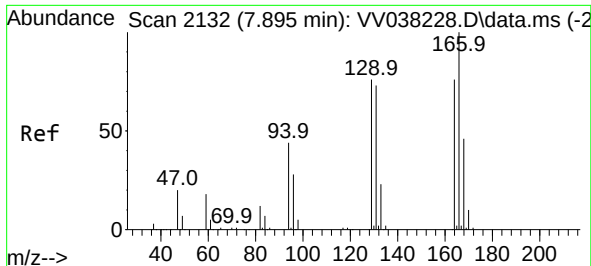
Tgt Ion: 91 Resp: 21749

Ion Ratio Lower Upper

91 100

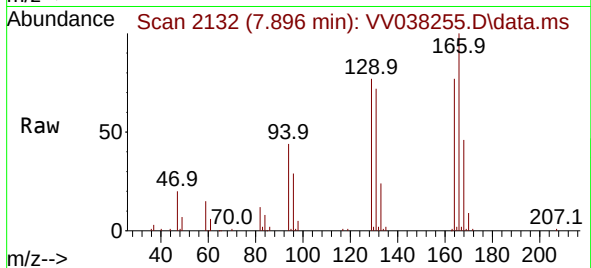
92 53.8 40.8 75.8



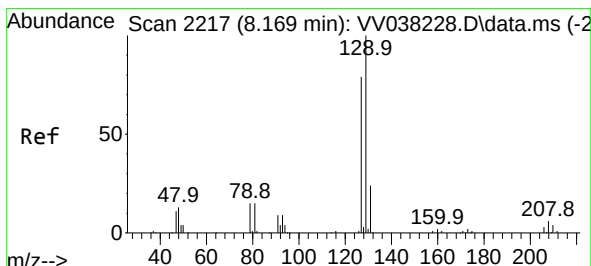
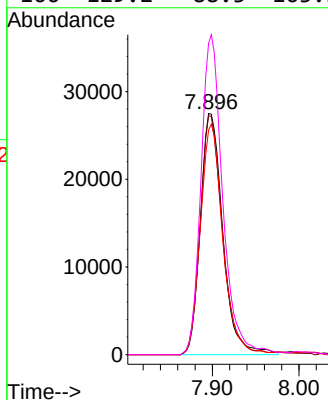
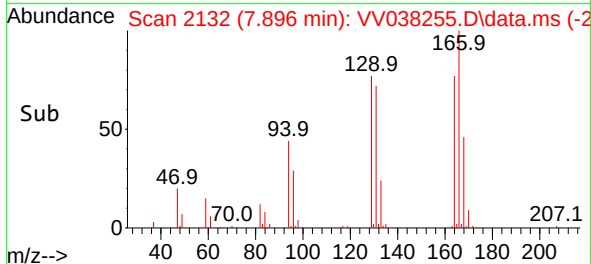


#47
Tetrachloroethene
Concen: 2.986 ug/L
RT: 7.896 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

Instrument :
MSVOA_V
ClientSampleId :

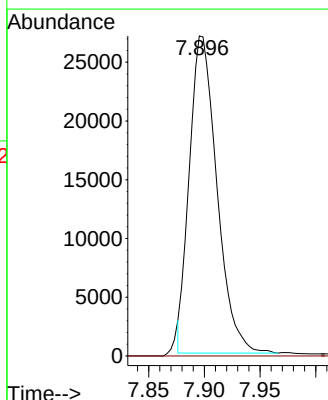
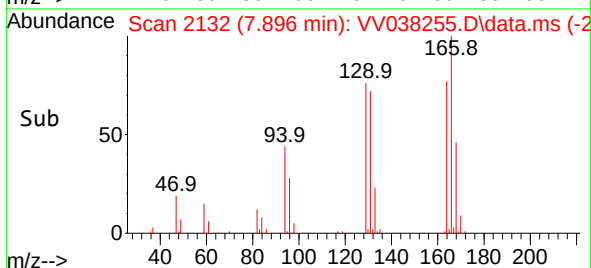
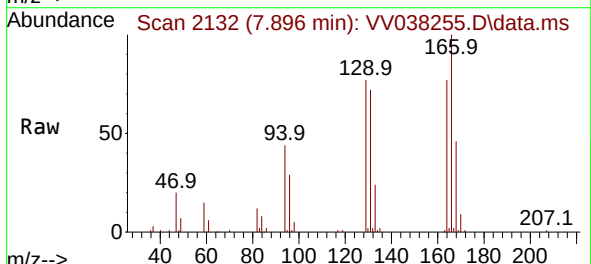


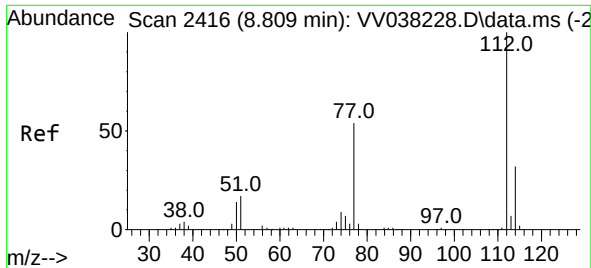
Tgt Ion:164 Resp: 49548
Ion Ratio Lower Upper
164 100
129 99.1 68.5 127.1
131 93.1 64.8 120.4
166 129.2 88.3 163.9



#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 53.5 99.3#

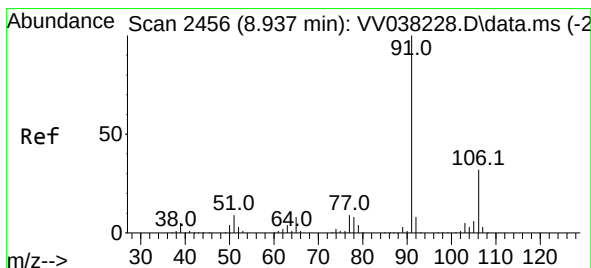
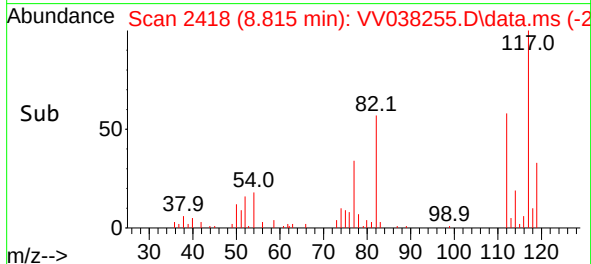
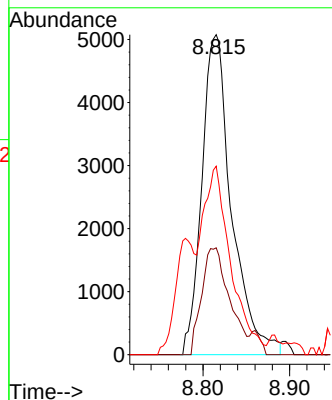
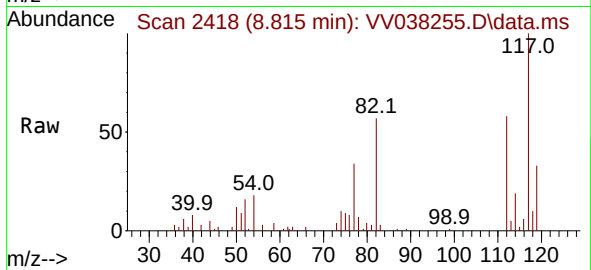




#51
Chlorobenzene
Concen: 0.219 ug/L
RT: 8.815 min Scan# 2416
Delta R.T. 0.007 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

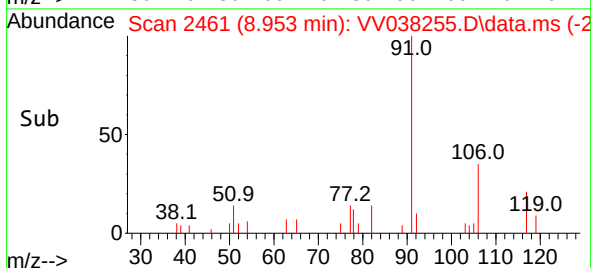
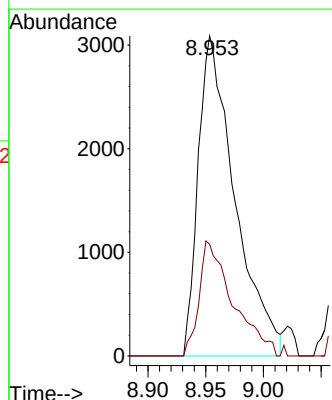
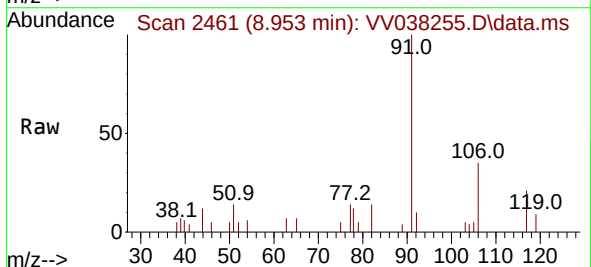
Instrument :
MSVOA_V
ClientSampleId :

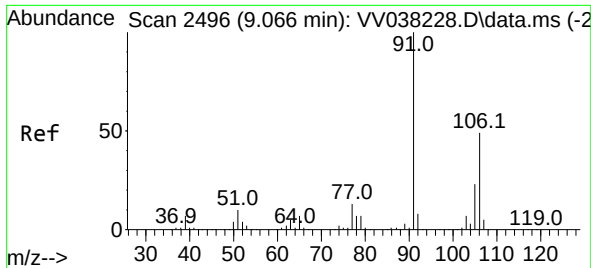
Tgt Ion:112	Resp:	12129
Ion Ratio	Lower	Upper
112	100	
114	33.4	22.0 40.8
77	58.9	45.0 67.4



#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	21.8 40.4

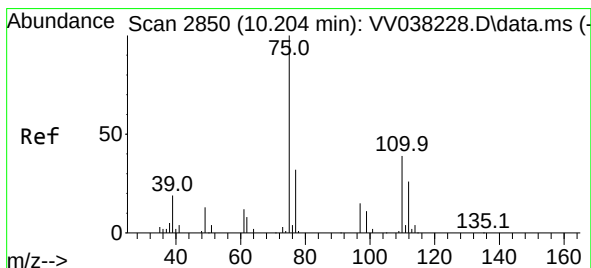
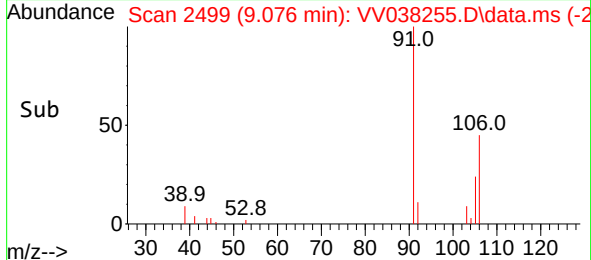
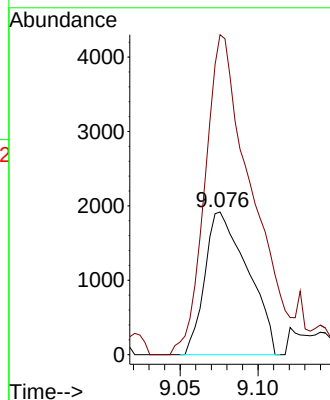
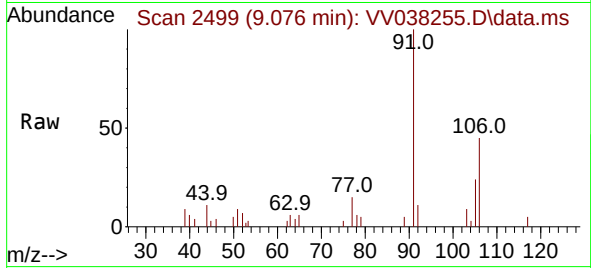




#53
m,p-Xylene
Concen: 0.114 ug/L
RT: 9.076 min Scan# 24
Delta R.T. 0.010 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

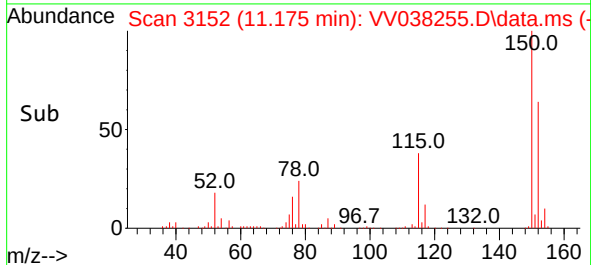
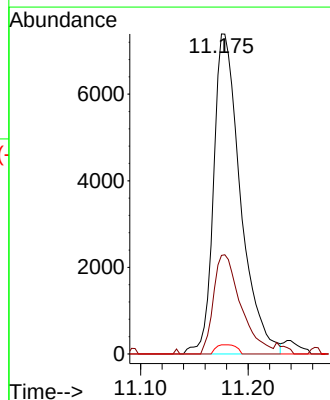
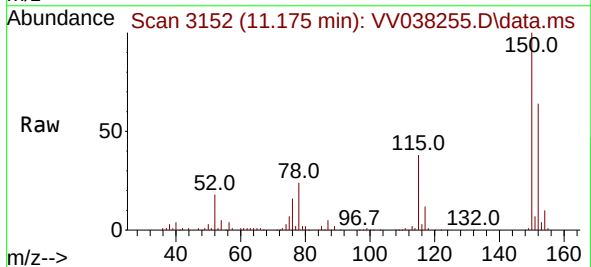
Instrument :
MSVOA_V
ClientSampleId :

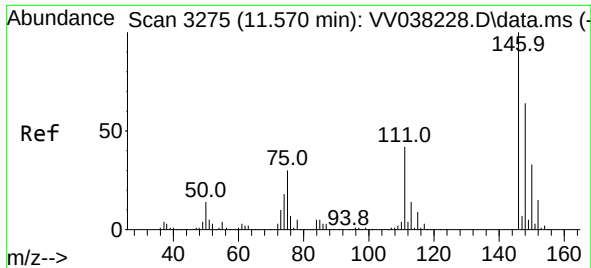
Tgt Ion	Ratio	Lower	Upper
106	100		
91	224.3	138.7	257.5



#61
1,2,3-Trichloropropane
Concen: 1.312 ug/L
RT: 11.175 min Scan# 3152
Delta R.T. 0.971 min
Lab File: VV038255.D
Acq: 21 Nov 2024 23:19

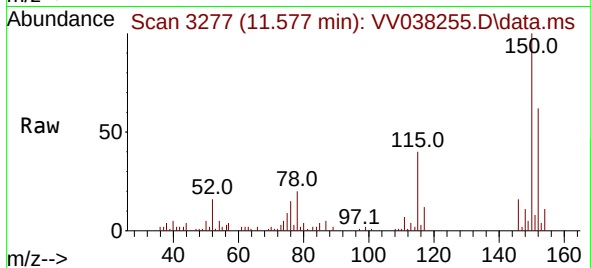
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.4	39.6
110	2.1	32.3	48.5





#67
 1,2-Dichlorobenzene
 Concen: 0.148 ug/L
 RT: 11.577 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: VV038255.D
 Acq: 21 Nov 2024 23:19

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:146 Resp: 4861

Ion	Ratio	Lower	Upper
146	100		
111	43.8	34.2	51.2
148	66.9	51.0	76.4

