

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112124\
 Data File : VV038235.D
 Acq On : 21 Nov 2024 12:45
 Operator : SY/MD
 Sample : P4883-16
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:44:35 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	239940	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	263774	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	113164	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	70905	3.855	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.529	69	71907	4.834	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.053	65	33374	4.217	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	3.783	46	167743	45.594	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.180%
24) Chloroform-d	4.240	84	165031	4.624	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	4.937	65	86577	5.406	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.200%
32) Benzene-d6	4.953	84	294068	4.313	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	5.982	67	101516	4.839	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.239	98	237333	3.762	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.200%
43) trans-1,3-Dichloroprop...	7.558	79	29924	3.837	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.800%
46) 2-Hexanone-d5	8.021	63	170033	56.084	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.160%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	86725	4.870	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	11.554	152	98657	5.117	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	9141	0.403	ug/L	96
3) Chloromethane	1.211	50	12038	0.616	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	3600	0.200	ug/L #	85
12) 1,1-Dichloroethene	2.066	96	21890	1.277	ug/L #	55
16) Methylene chloride	2.439	84	16692	0.854	ug/L	95
17) Methyl tert-butyl Ether	2.699	73	23819	0.615	ug/L	97
19) 1,1-Dichloroethane	3.105	63	107081	3.268	ug/L	97
22) cis-1,2-Dichloroethene	3.809	96	67602	3.621	ug/L	97
25) Chloroform	4.269	83	18214	0.520	ug/L	95
27) 1,2-Dichloroethane	5.066	62	3713	0.195	ug/L #	93
29) 1,1,1-Trichloroethane	4.506	97	25240	0.798	ug/L	98
31) Carbon tetrachloride	4.506	117	3405	0.122	ug/L	98
34) Trichloroethene	5.822	95	1521978	75.354	ug/L	98
35) Methylcyclohexane	5.982	83	24570	0.860	ug/L #	19
37) 1,2-Dichloropropane	6.101	63	6010	0.324	ug/L	99
42) Toluene	7.330	91	14813	0.189	ug/L	97
47) Tetrachloroethene	7.895	164	400518	24.678	ug/L	99
49) Dibromochloromethane	7.895	129	366512	22.335	ug/L #	11
51) Chlorobenzene	8.812	112	12554	0.232	ug/L	93

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

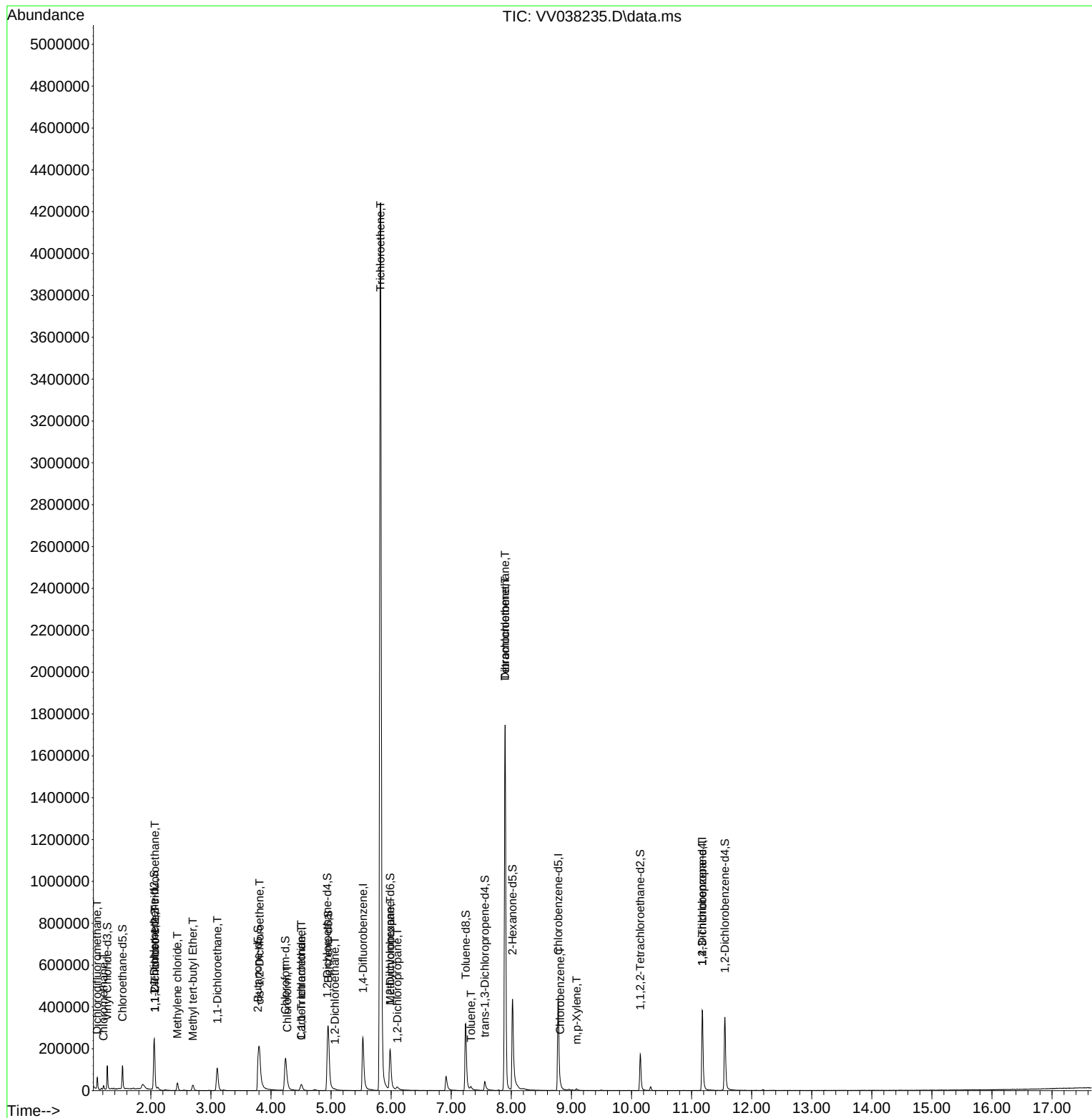
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.088	106	2778	0.088	ug/L	77
61) 1,2,3-Trichloropropane	11.178	75	12259	1.265	ug/L #	62

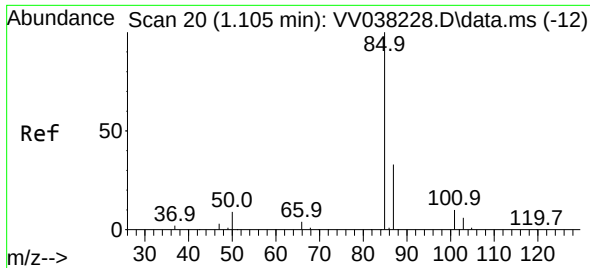
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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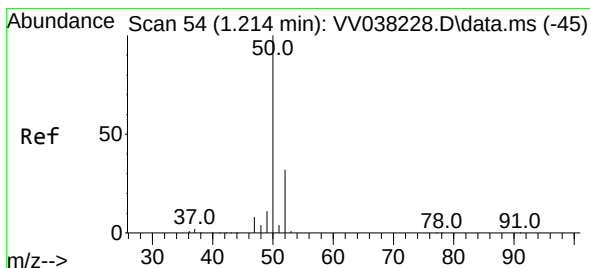
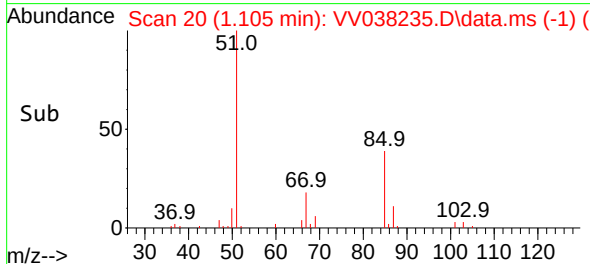
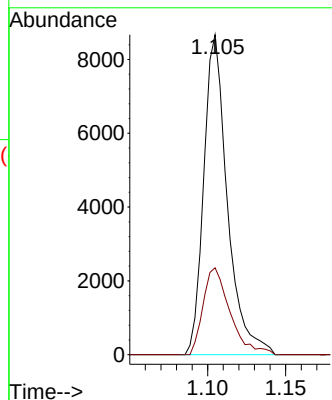
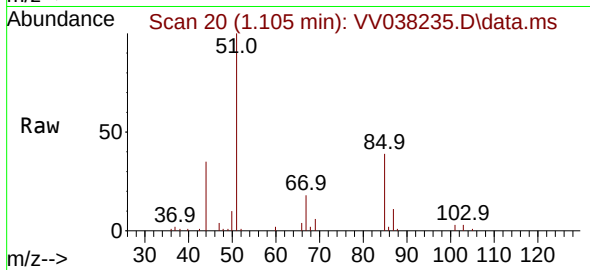




#2
Dichlorodifluoromethane
Concen: 0.403 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV038235.D
Acq: 21 Nov 2024 12:45

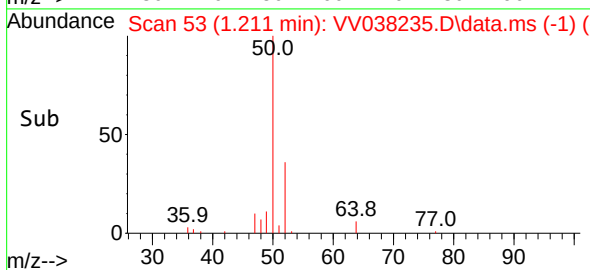
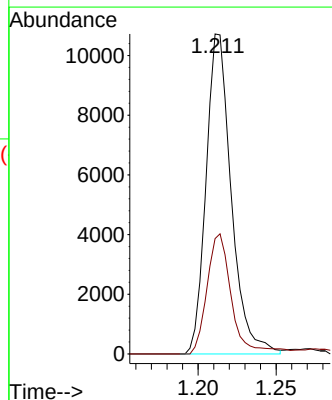
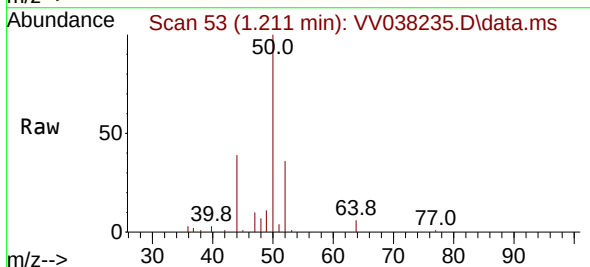
Instrument :
MSVOA_V
ClientSampleId :

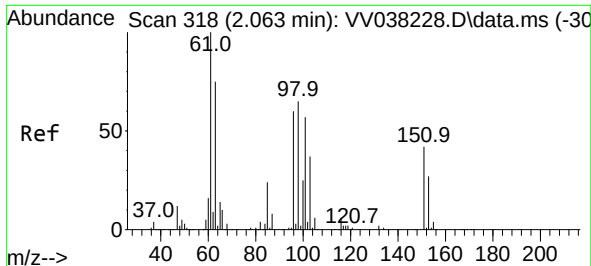
Tgt Ion: 85 Resp: 9141
Ion Ratio Lower Upper
85 100
87 30.9 26.5 39.7



#3
Chloromethane
Concen: 0.616 ug/L
RT: 1.211 min Scan# 53
Delta R.T. -0.003 min
Lab File: VV038235.D
Acq: 21 Nov 2024 12:45

Tgt Ion: 50 Resp: 12038
Ion Ratio Lower Upper
50 100
52 36.1 23.5 43.7

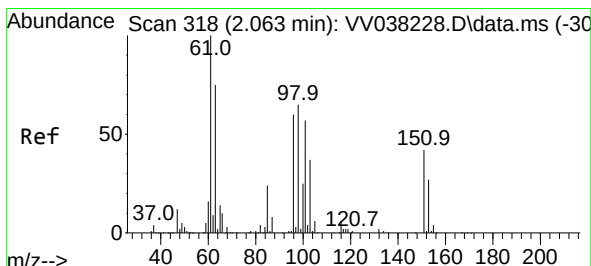
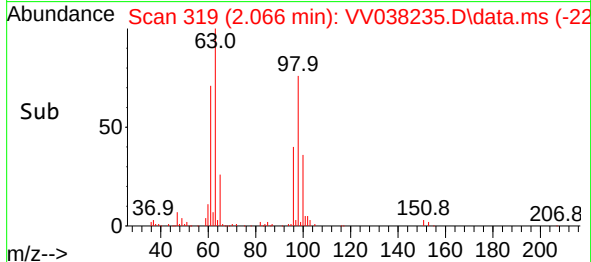
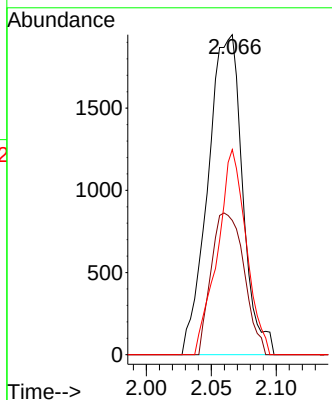
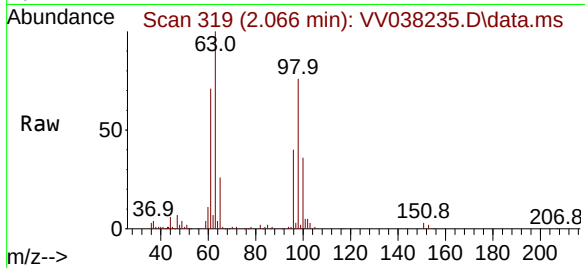




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.200 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV038235.D
Acq: 21 Nov 2024 12:45

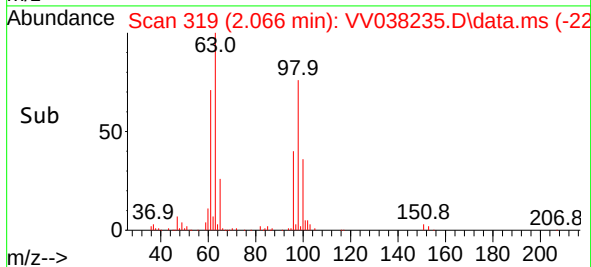
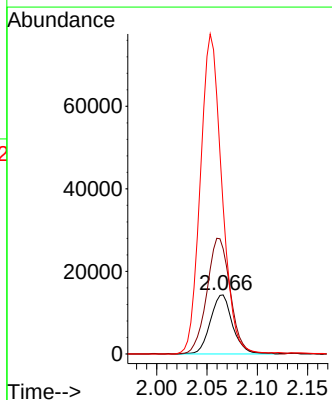
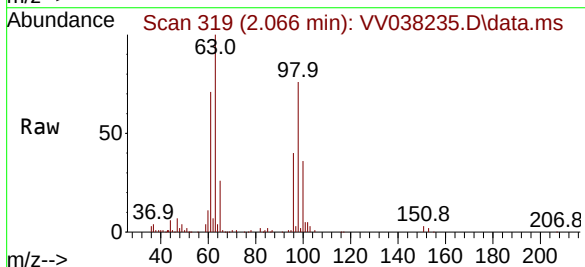
Instrument :
MSVOA_V
ClientSampleId :

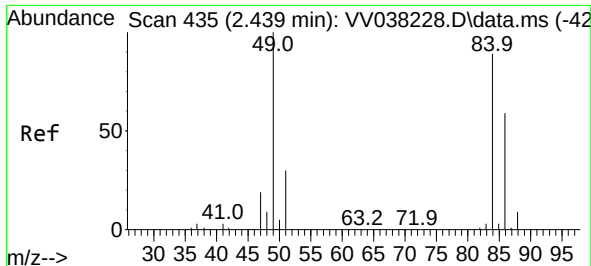
Tgt Ion:101 Resp: 3600
Ion Ratio Lower Upper
101 100
85 42.0 33.4 50.0
151 53.3 58.8 88.2#



#12
1,1-Dichloroethene
Concen: 1.277 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV038235.D
Acq: 21 Nov 2024 12:45

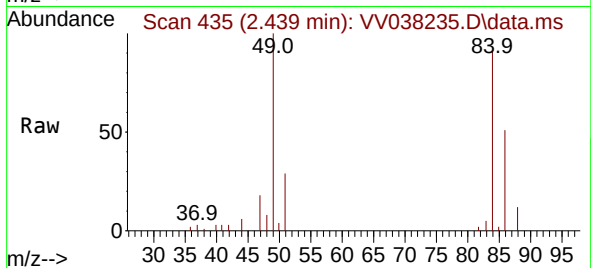
Tgt Ion: 96 Resp: 21890
Ion Ratio Lower Upper
96 100
61 177.9 115.7 214.9
63 249.9 101.1 187.7#





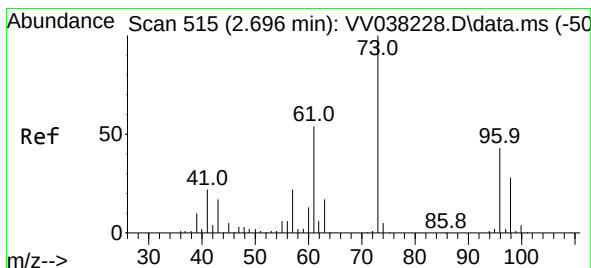
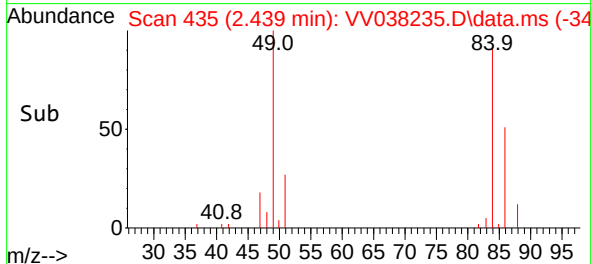
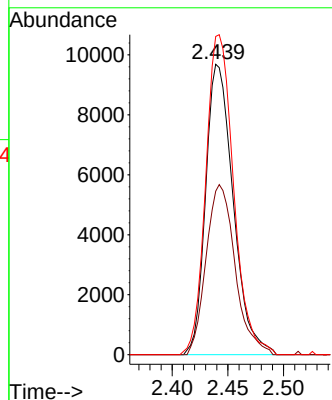
#16
Methylene chloride
Concen: 0.854 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV038235.D
Acq: 21 Nov 2024 12:45

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 16692

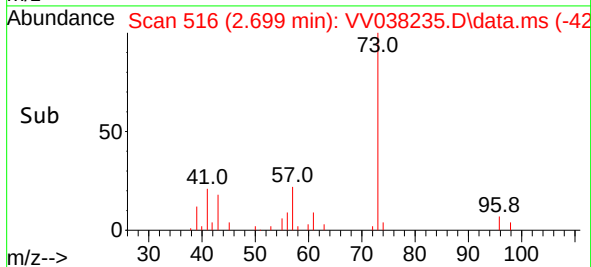
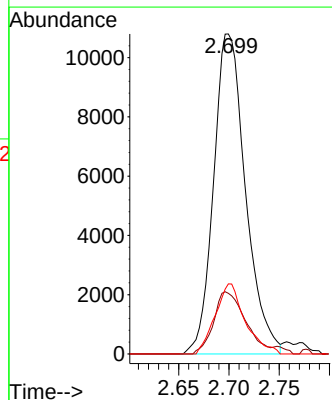
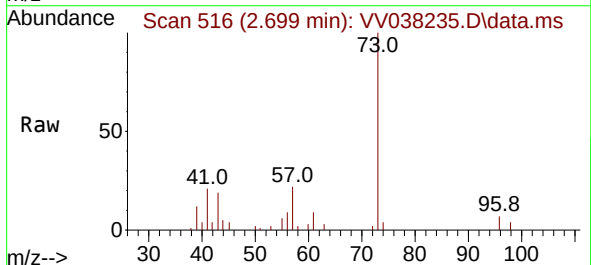
Ion	Ratio	Lower	Upper
84	100		
86	56.3	44.2	82.2
49	109.5	74.9	139.1

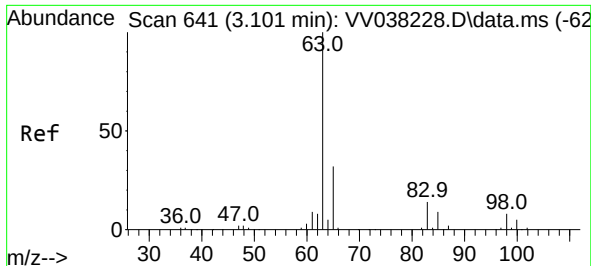


#17
Methyl tert-butyl Ether
Concen: 0.615 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV038235.D
Acq: 21 Nov 2024 12:45

Tgt Ion: 73 Resp: 23819

Ion	Ratio	Lower	Upper
73	100		
43	19.3	14.2	21.2
57	20.5	17.6	26.4





#19

1,1-Dichloroethane

Concen: 3.268 ug/L

RT: 3.105 min Scan# 641

Delta R.T. 0.003 min

Lab File: VV038235.D

Acq: 21 Nov 2024 12:45

Instrument :

MSVOA_V

ClientSampleId :

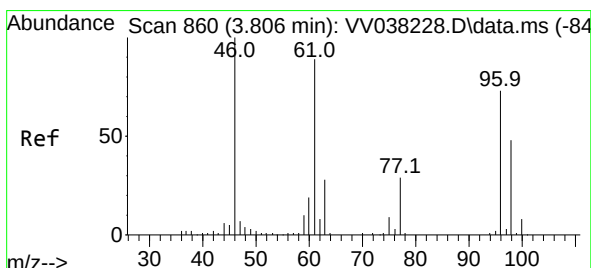
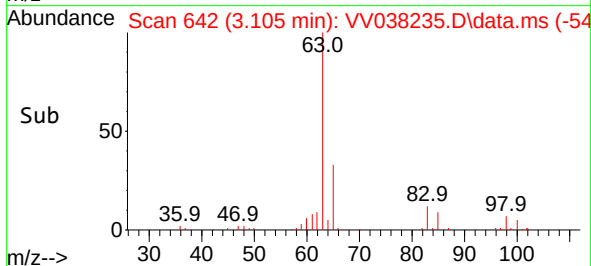
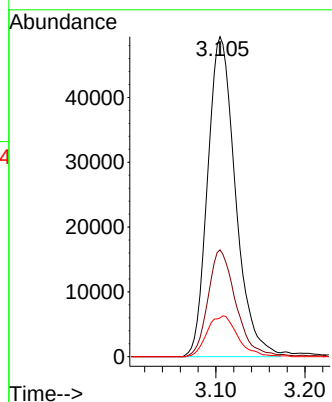
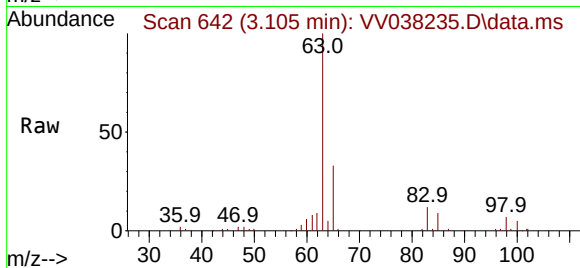
Tgt Ion: 63 Resp: 107081

Ion Ratio Lower Upper

63 100

65 33.4 22.5 41.7

83 12.1 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 3.621 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.003 min

Lab File: VV038235.D

Acq: 21 Nov 2024 12:45

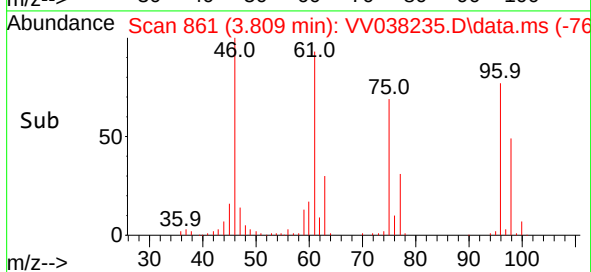
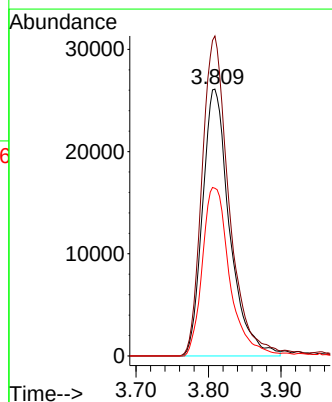
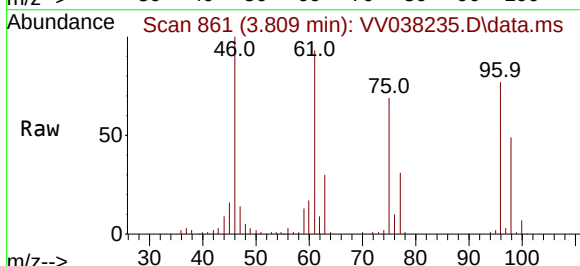
Tgt Ion: 96 Resp: 67602

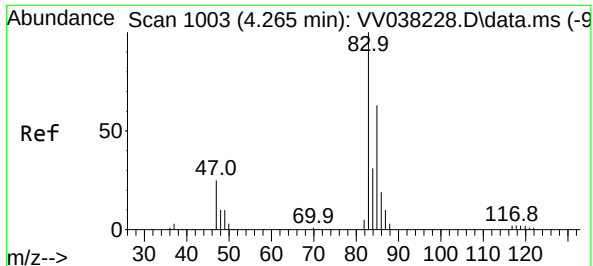
Ion Ratio Lower Upper

96 100

61 119.9 82.7 153.5

98 62.8 46.3 85.9





#25

Chloroform

Concen: 0.520 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. 0.003 min

Lab File: VV038235.D

Acq: 21 Nov 2024 12:45

Instrument :

MSVOA_V

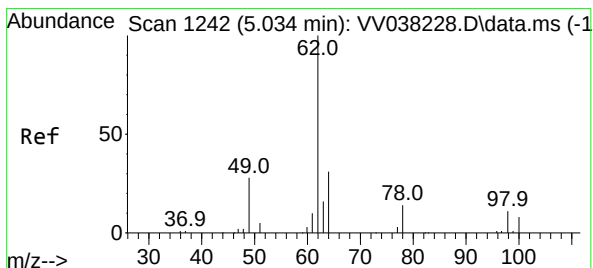
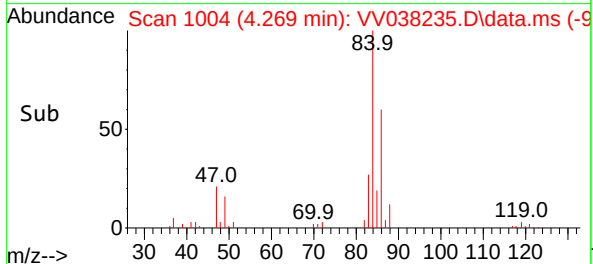
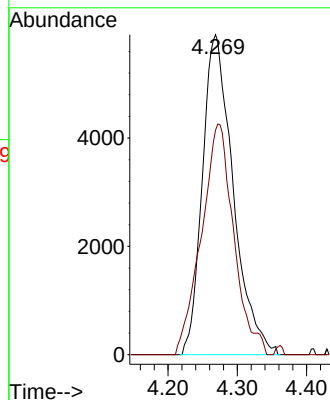
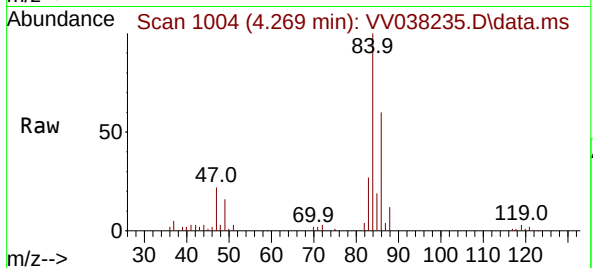
ClientSampleId :

Tgt Ion: 83 Resp: 18214

Ion Ratio Lower Upper

83 100

85 70.2 46.5 86.3



#27

1,2-Dichloroethane

Concen: 0.195 ug/L

RT: 5.066 min Scan# 1252

Delta R.T. 0.032 min

Lab File: VV038235.D

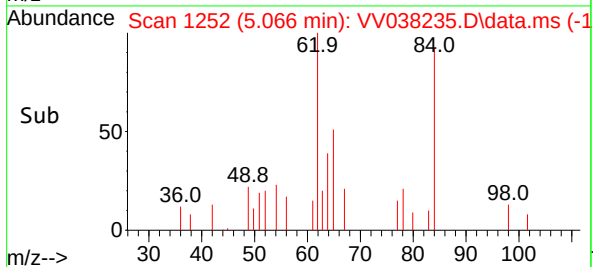
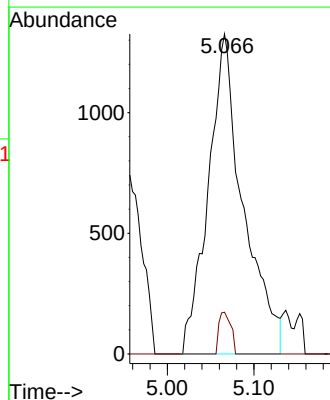
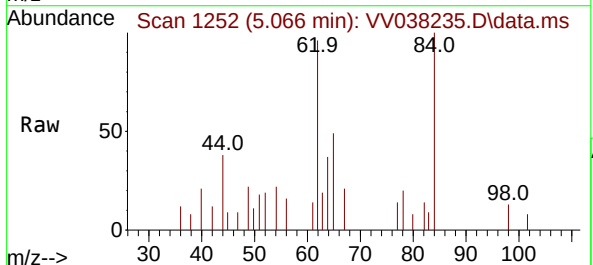
Acq: 21 Nov 2024 12:45

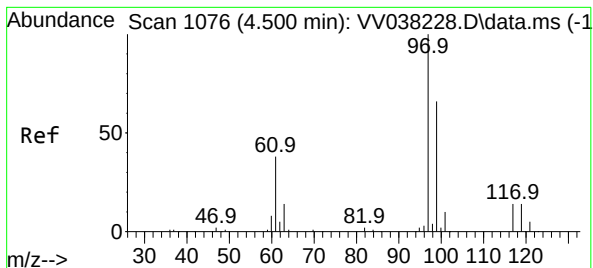
Tgt Ion: 62 Resp: 3713

Ion Ratio Lower Upper

62 100

98 13.0 8.2 12.4#





#29

1,1,1-Trichloroethane

Concen: 0.798 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VV038235.D

Acq: 21 Nov 2024 12:45

Instrument :

MSVOA_V

ClientSampleId :

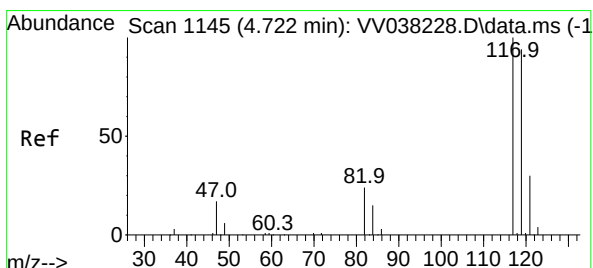
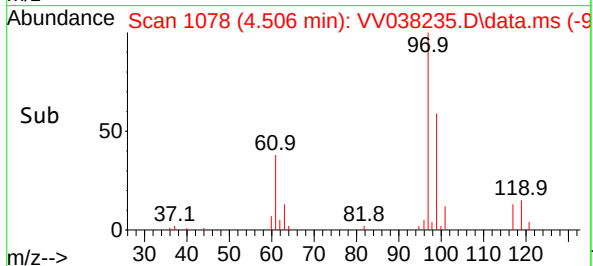
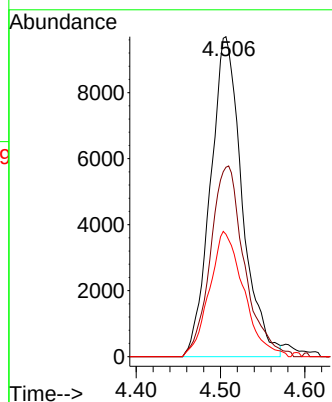
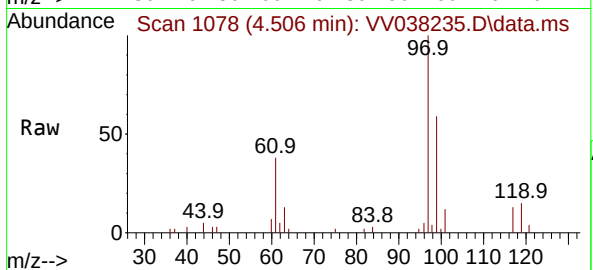
Tgt Ion: 97 Resp: 25240

Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.8

61 42.4 32.2 48.2



#31

Carbon tetrachloride

Concen: 0.122 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.215 min

Lab File: VV038235.D

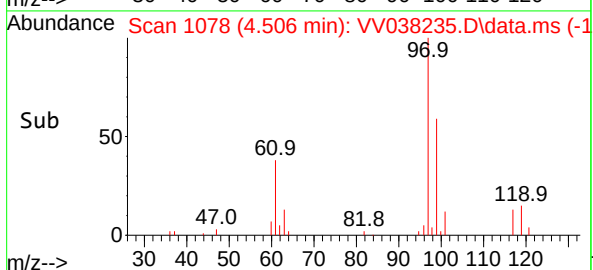
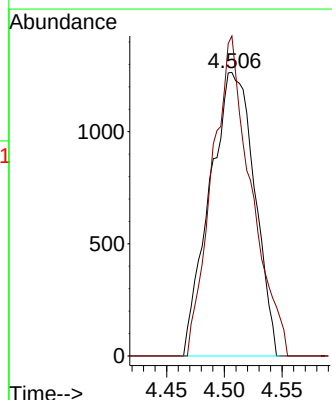
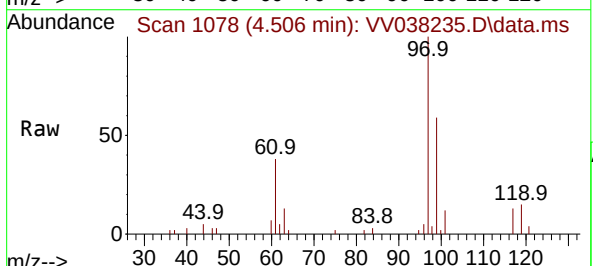
Acq: 21 Nov 2024 12:45

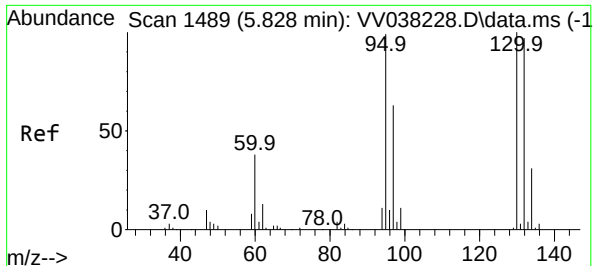
Tgt Ion: 117 Resp: 3405

Ion Ratio Lower Upper

117 100

119 98.6 77.4 116.2





#34

Trichloroethene

Concen: 75.354 ug/L

RT: 5.822 min Scan# 1489

Delta R.T. -0.006 min

Lab File: VV038235.D

Acq: 21 Nov 2024 12:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 1521978

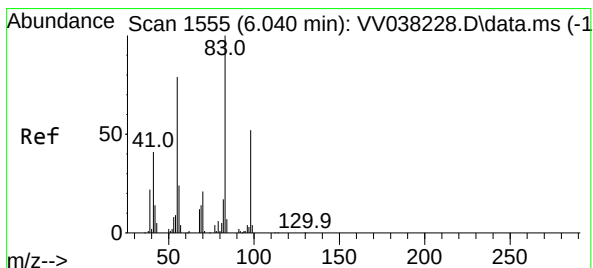
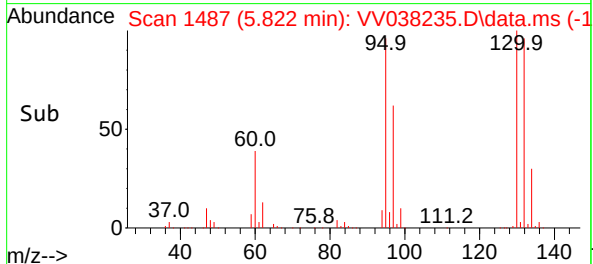
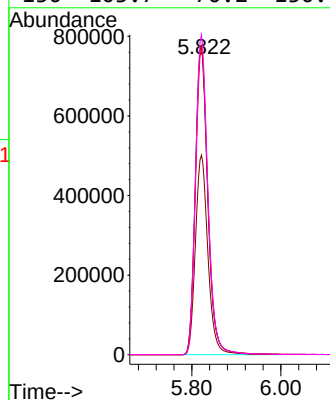
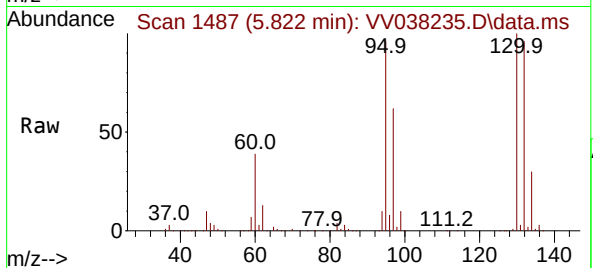
Ion Ratio Lower Upper

95 100

97 64.7 44.8 83.2

132 99.8 68.3 126.8

130 103.7 70.2 130.4



#35

Methylcyclohexane

Concen: 0.860 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038235.D

Acq: 21 Nov 2024 12:45

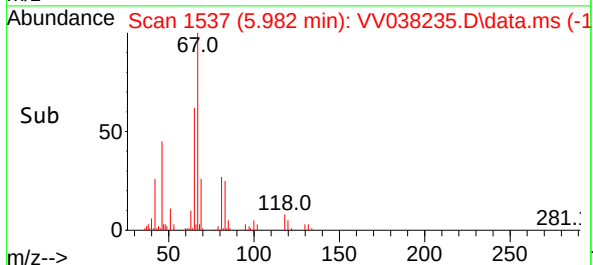
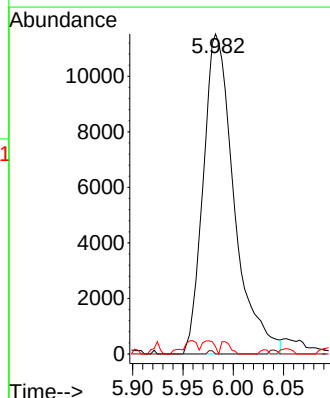
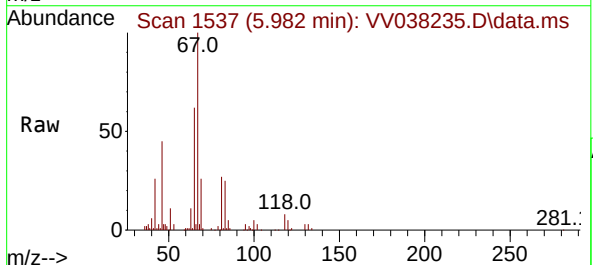
Tgt Ion: 83 Resp: 24570

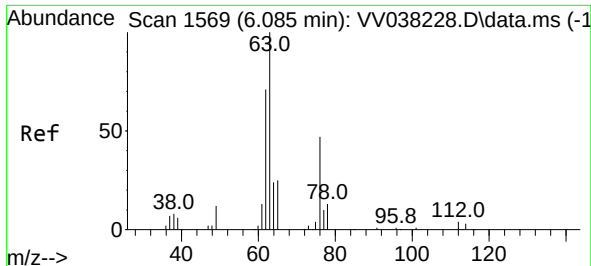
Ion Ratio Lower Upper

83 100

55 0.2 59.7 89.5#

98 0.0 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.324 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.016 min

Lab File: VV038235.D

Acq: 21 Nov 2024 12:45

Instrument :

MSVOA_V

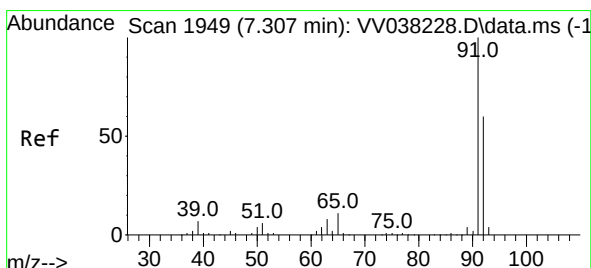
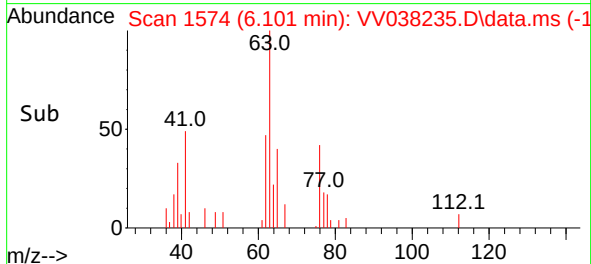
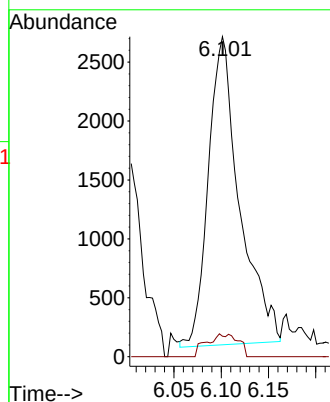
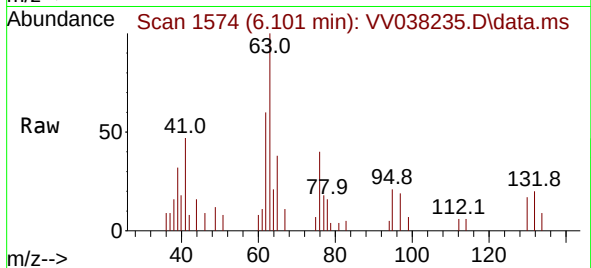
ClientSampleId :

Tgt Ion: 63 Resp: 6010

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



#42

Toluene

Concen: 0.189 ug/L

RT: 7.330 min Scan# 1956

Delta R.T. 0.022 min

Lab File: VV038235.D

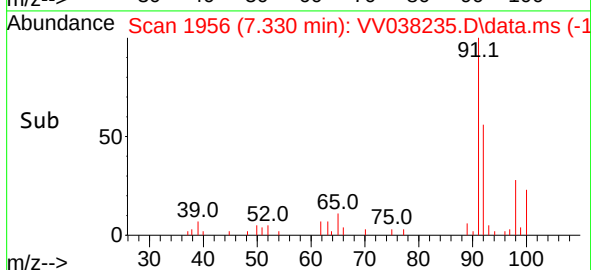
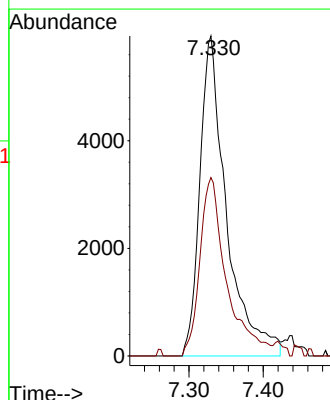
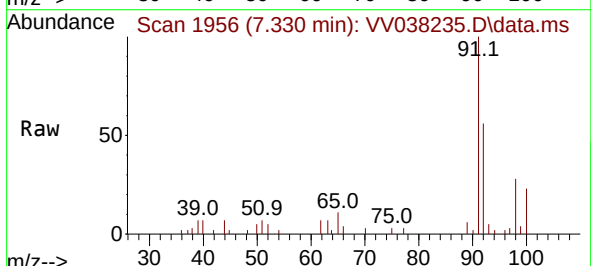
Acq: 21 Nov 2024 12:45

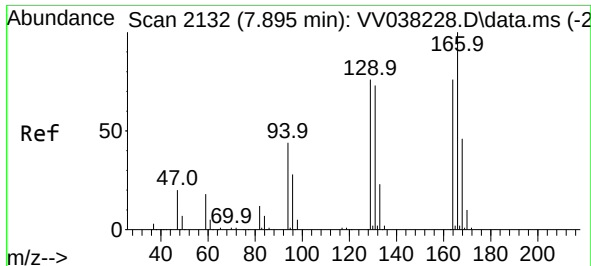
Tgt Ion: 91 Resp: 14813

Ion Ratio Lower Upper

91 100

92 55.8 40.8 75.8





#47

Tetrachloroethene

Concen: 24.678 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.000 min

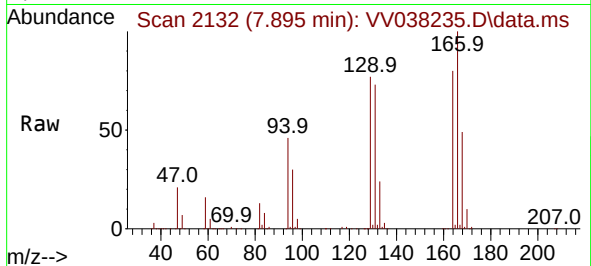
Lab File: VV038235.D

Acq: 21 Nov 2024 12:45

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 400518

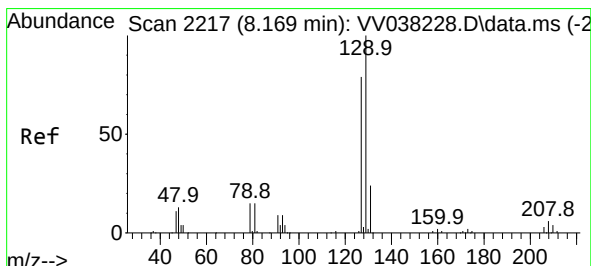
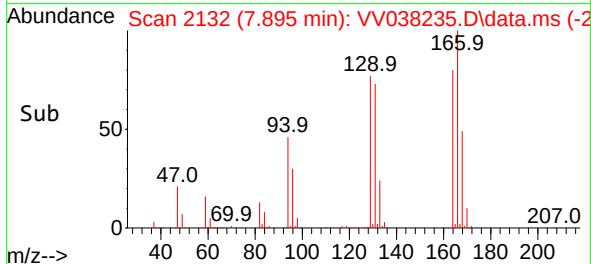
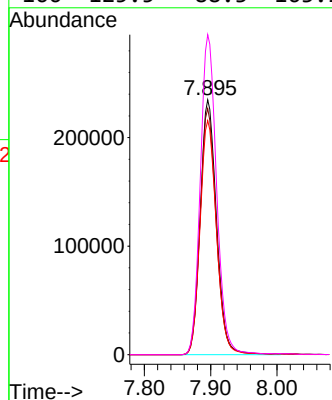
Ion Ratio Lower Upper

164 100

129 96.5 68.5 127.1

131 91.8 64.8 120.4

166 125.5 88.3 163.9



#49

Dibromochloromethane

Concen: 22.335 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.273 min

Lab File: VV038235.D

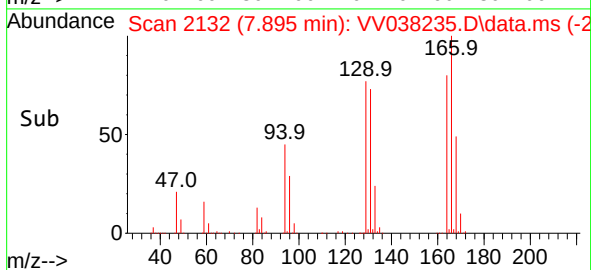
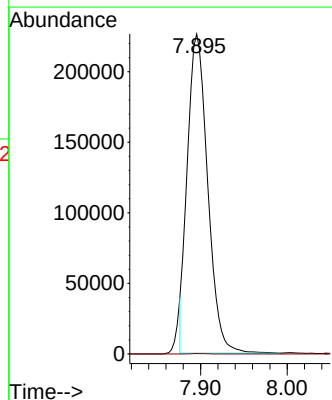
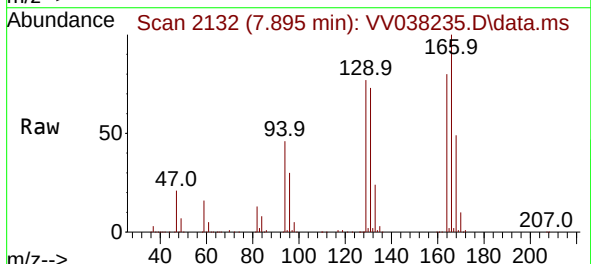
Acq: 21 Nov 2024 12:45

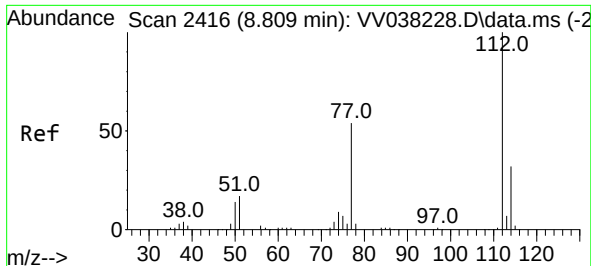
Tgt Ion:129 Resp: 366512

Ion Ratio Lower Upper

129 100

127 0.1 53.5 99.3#

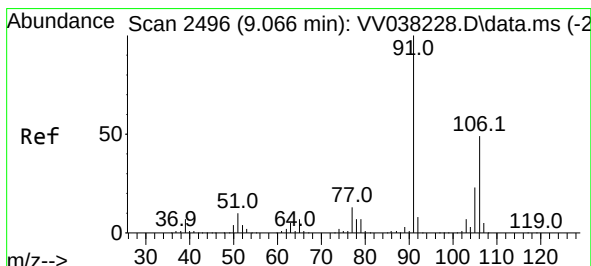
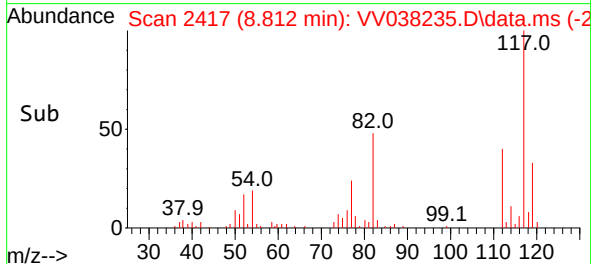
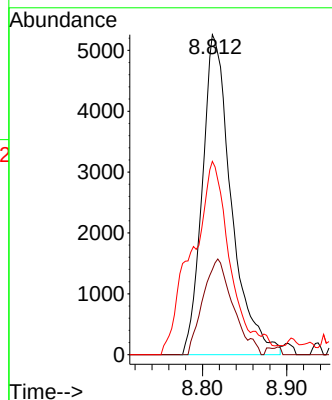
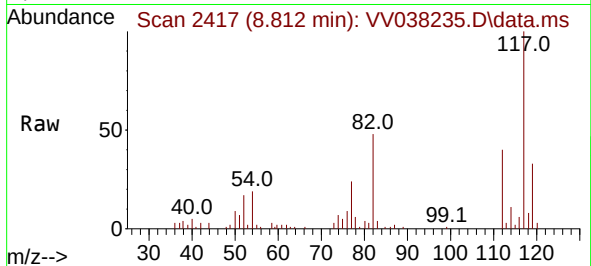




#51
Chlorobenzene
Concen: 0.232 ug/L
RT: 8.812 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV038235.D
Acq: 21 Nov 2024 12:45

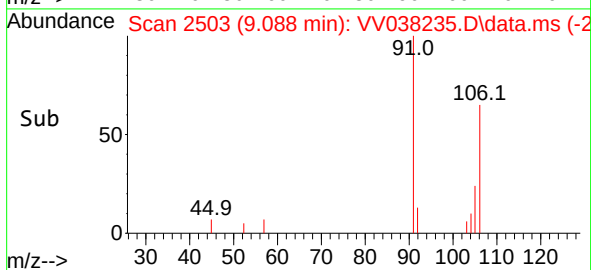
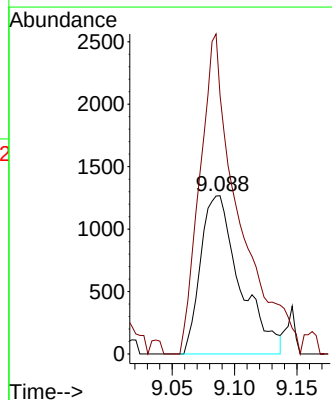
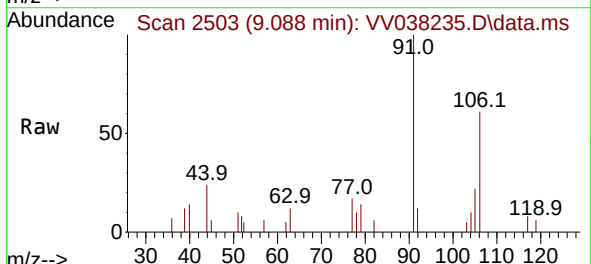
Instrument :
MSVOA_V
ClientSampleId :

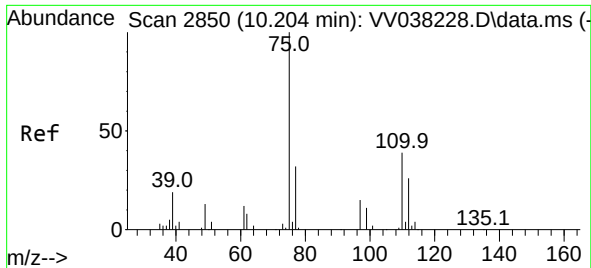
Tgt Ion:112 Resp: 12554
Ion Ratio Lower Upper
112 100
114 26.6 22.0 40.8
77 60.4 45.0 67.4



#53
m,p-Xylene
Concen: 0.088 ug/L
RT: 9.088 min Scan# 2503
Delta R.T. 0.022 min
Lab File: VV038235.D
Acq: 21 Nov 2024 12:45

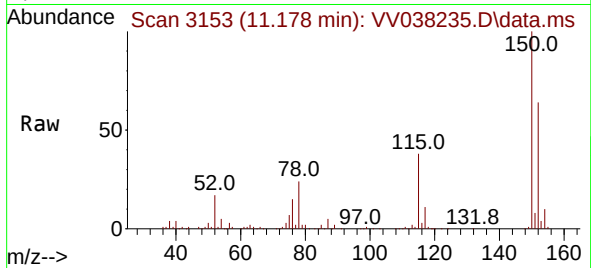
Tgt Ion:106 Resp: 2778
Ion Ratio Lower Upper
106 100
91 163.4 138.7 257.5





#61
1,2,3-Trichloropropane
Concen: 1.265 ug/L
RT: 11.178 min Scan# 31
Delta R.T. 0.974 min
Lab File: VV038235.D
Acq: 21 Nov 2024 12:45

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.6	26.4	39.6
110	2.1	32.3	48.5#

