

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW112224\
 Data File : VW038269.D
 Acq On : 22 Nov 2024 14:43
 Operator : SY/MD
 Sample : P4884-10
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 00:02:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 22 23:57:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	241521	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.777	117	264379	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	103651	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	67367	3.639	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.800%
7) Chloroethane-d5	1.529	69	67156	4.485	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.053	65	30763	3.862	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.200%
20) 2-Butanone-d5	3.780	46	149195	40.287	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.580%
24) Chloroform-d	4.240	84	162668	4.528	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	4.937	65	80884	5.017	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	4.954	84	276381	4.045	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.800%
36) 1,2-Dichloropropane-d6	5.982	67	96323	4.581	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.236	98	214634	3.395	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.800%#
43) trans-1,3-Dichloroprop...	7.558	79	25878	3.310	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.200%
46) 2-Hexanone-d5	8.014	63	128164	42.177	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.360%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	79405	4.449	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.000%
66) 1,2-Dichlorobenzene-d4	11.555	152	85808	4.859	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	5558	0.243	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	5514	0.304	ug/L	88
16) Methylene chloride	2.439	84	20997	1.067	ug/L	99
17) Methyl tert-butyl Ether	2.700	73	14325	0.367	ug/L	97
19) 1,1-Dichloroethane	3.111	63	4916	0.149	ug/L #	79
22) cis-1,2-Dichloroethene	3.812	96	23204	1.235	ug/L	93
25) Chloroform	4.275	83	6347	0.180	ug/L	76
27) 1,2-Dichloroethane	5.063	62	2909	0.151	ug/L #	93
29) 1,1,1-Trichloroethane	4.507	97	35649	1.124	ug/L	100
31) Carbon tetrachloride	4.500	117	4838	0.173	ug/L	93
34) Trichloroethene	5.822	95	306933	15.162	ug/L	98
35) Methylcyclohexane	5.982	83	23318	0.814	ug/L #	20
42) Toluene	7.323	91	18029	0.229	ug/L	92
47) Tetrachloroethene	7.896	164	331952	20.406	ug/L	99
49) Dibromochloromethane	7.896	129	307131	18.674	ug/L #	11
51) Chlorobenzene	8.812	112	12743	0.235	ug/L	96
53) m,p-Xylene	9.082	106	3658	0.116	ug/L	85
61) 1,2,3-Trichloropropane	11.178	75	13351	1.504	ug/L #	65

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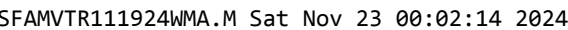
Instrument :
MSVOA_V
ClientSampleId :

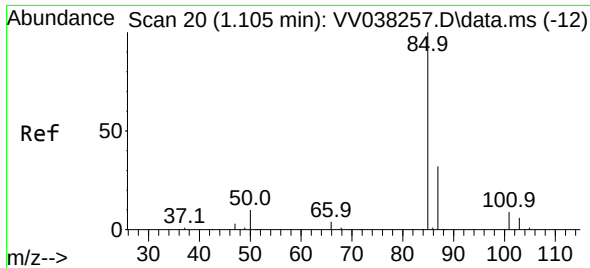
Quant Time: Nov 23 00:02:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 22 23:57:44 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Nov 23 00:02:04 2024
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 22 23:57:44 2024
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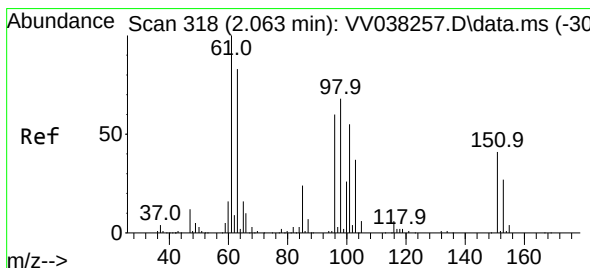
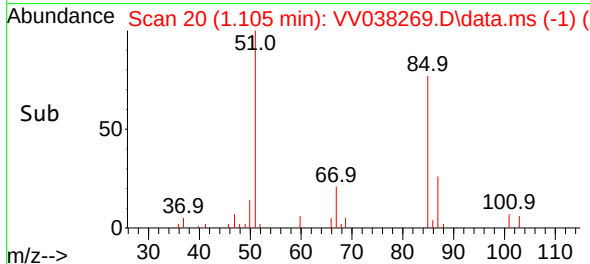
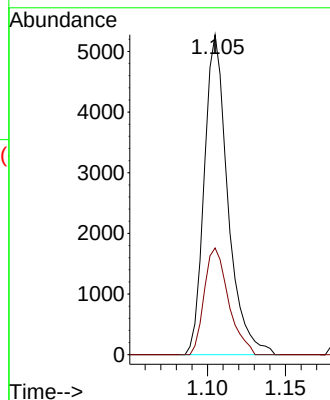
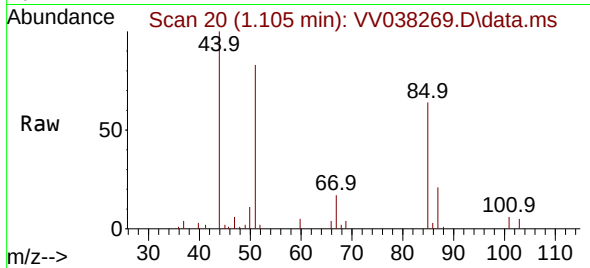




#2
Dichlorodifluoromethane
Concen: 0.243 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV038269.D
Acq: 22 Nov 2024 14:43

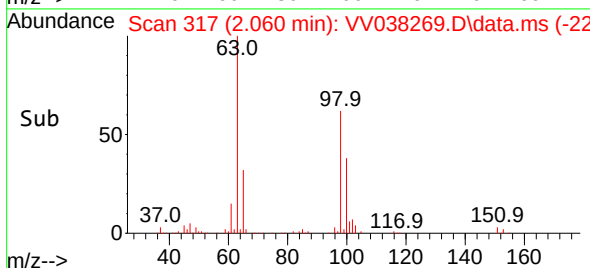
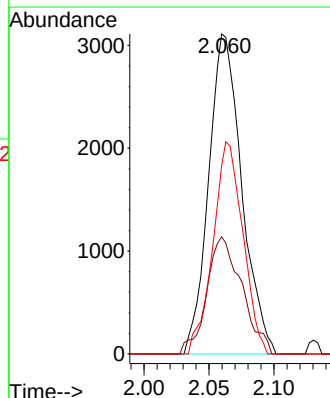
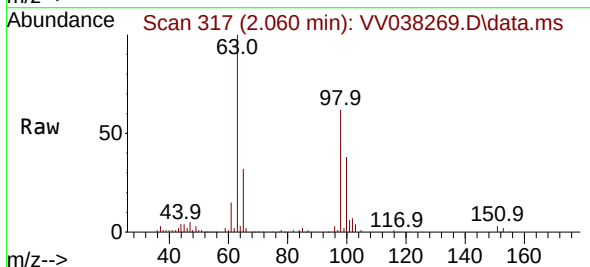
Instrument :
MSVOA_V
ClientSampleId :

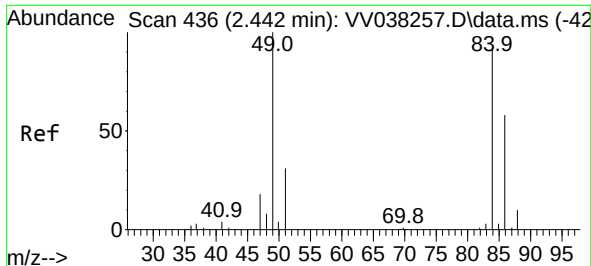
Tgt Ion: 85 Resp: 5558
Ion Ratio Lower Upper
85 100
87 34.3 26.5 39.7



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.304 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV038269.D
Acq: 22 Nov 2024 14:43

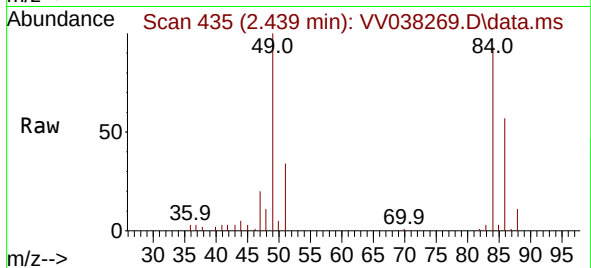
Tgt Ion:101 Resp: 5514
Ion Ratio Lower Upper
101 100
85 38.8 33.4 50.0
151 59.8 58.8 88.2



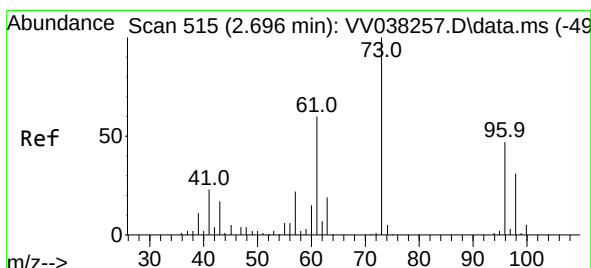
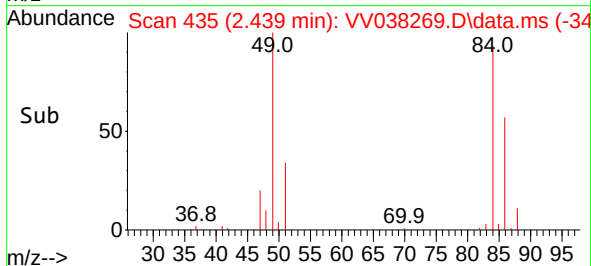
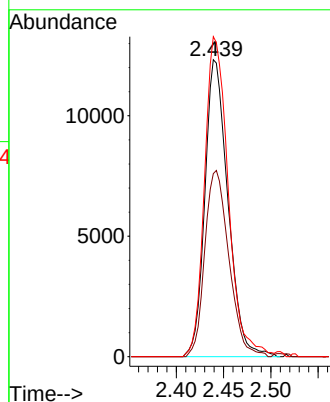


#16
Methylene chloride
Concen: 1.067 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV038269.D
Acq: 22 Nov 2024 14:43

Instrument :
MSVOA_V
ClientSampleId :

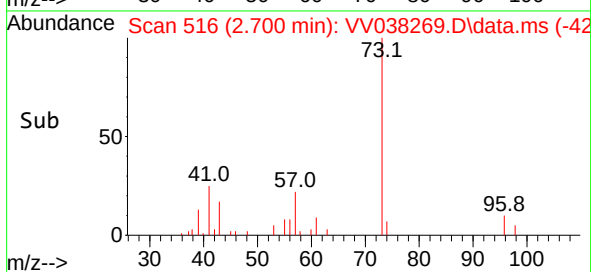
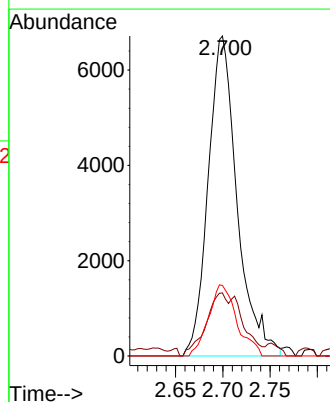
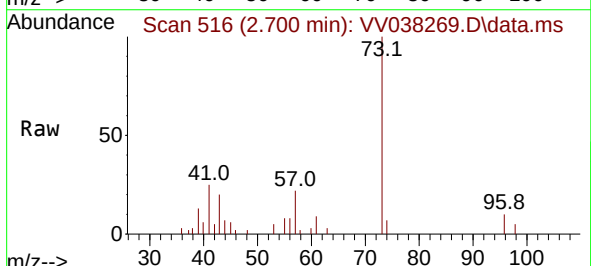


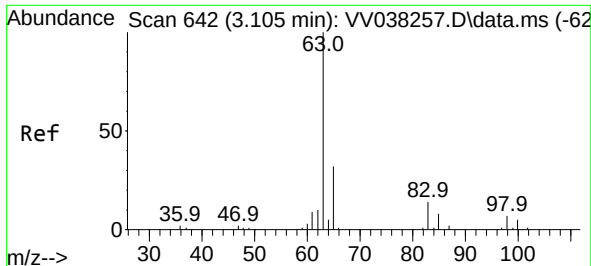
Tgt Ion: 84 Resp: 20997
Ion Ratio Lower Upper
84 100
86 61.6 44.2 82.2
49 107.7 74.9 139.1



#17
Methyl tert-butyl Ether
Concen: 0.367 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV038269.D
Acq: 22 Nov 2024 14:43

Tgt Ion: 73 Resp: 14325
Ion Ratio Lower Upper
73 100
43 14.9 14.2 21.2
57 21.7 17.6 26.4

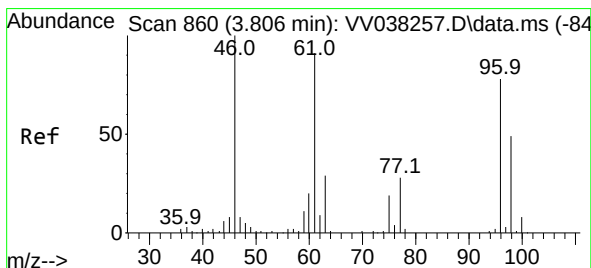
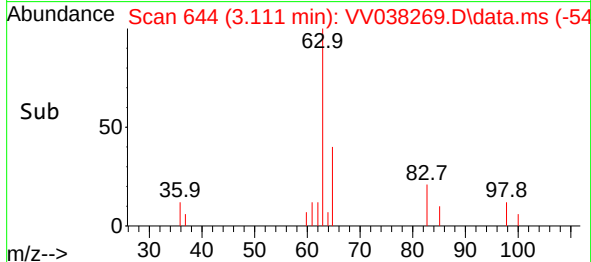
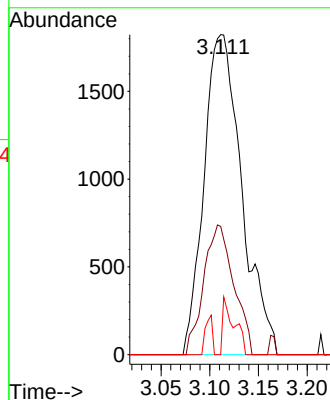
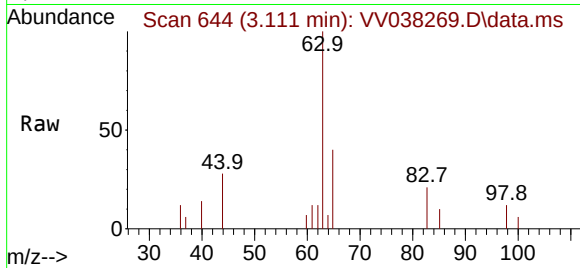




#19
 1,1-Dichloroethane
 Concen: 0.149 ug/L
 RT: 3.111 min Scan# 64
 Delta R.T. 0.006 min
 Lab File: VV038269.D
 Acq: 22 Nov 2024 14:43

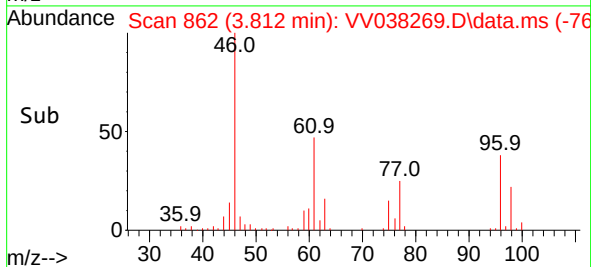
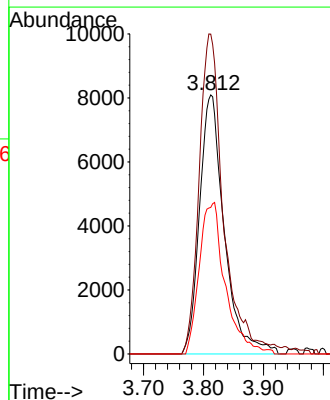
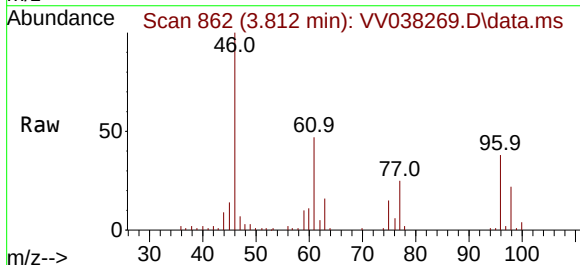
Instrument :
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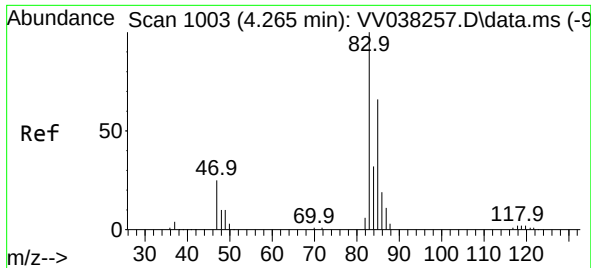
Tgt Ion: 63 Resp: 4916
 Ion Ratio Lower Upper
 63 100
 65 40.1 22.5 41.7
 83 0.0 10.1 18.9#



#22
 cis-1,2-Dichloroethene
 Concen: 1.235 ug/L
 RT: 3.812 min Scan# 862
 Delta R.T. 0.006 min
 Lab File: VV038269.D
 Acq: 22 Nov 2024 14:43

Tgt Ion: 96 Resp: 23204
 Ion Ratio Lower Upper
 96 100
 61 123.4 82.7 153.5
 98 56.6 46.3 85.9

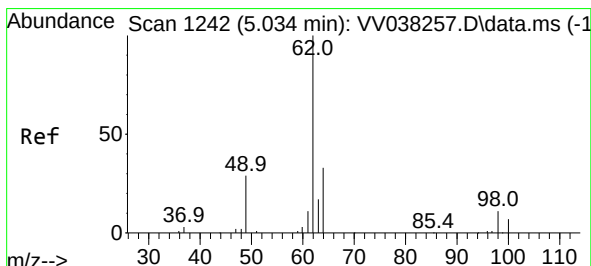
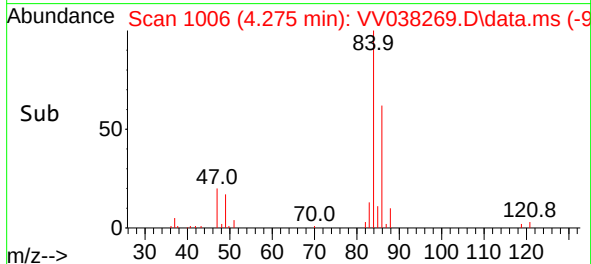
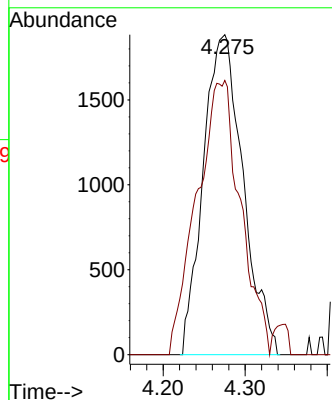
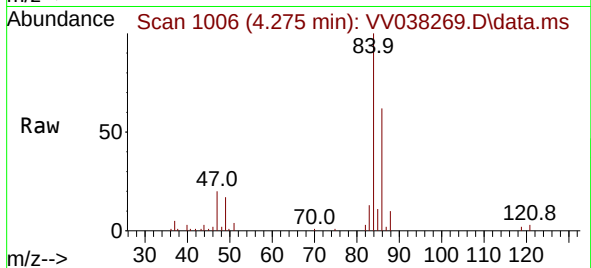




#25
Chloroform
Concen: 0.180 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.010 min
Lab File: VV038269.D
Acq: 22 Nov 2024 14:43

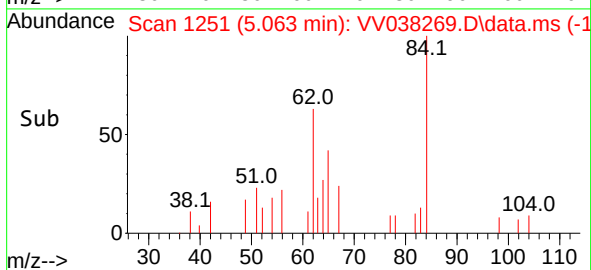
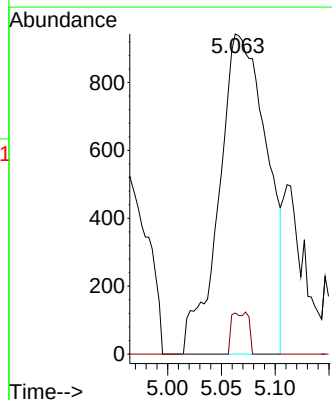
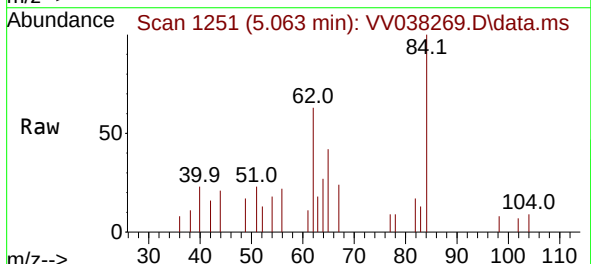
Instrument :
MSVOA_V
ClientSampleId :

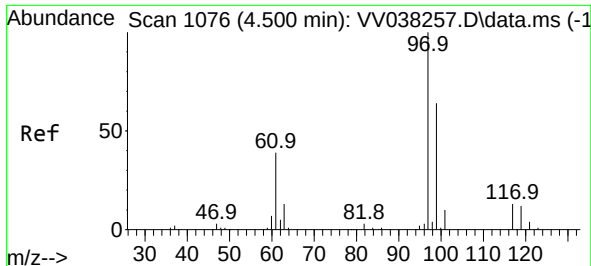
Tgt Ion: 83 Resp: 6347
Ion Ratio Lower Upper
83 100
85 85.7 46.5 86.3



#27
1,2-Dichloroethane
Concen: 0.151 ug/L
RT: 5.063 min Scan# 1251
Delta R.T. 0.029 min
Lab File: VV038269.D
Acq: 22 Nov 2024 14:43

Tgt Ion: 62 Resp: 2909
Ion Ratio Lower Upper
62 100
98 12.8 8.2 12.4#

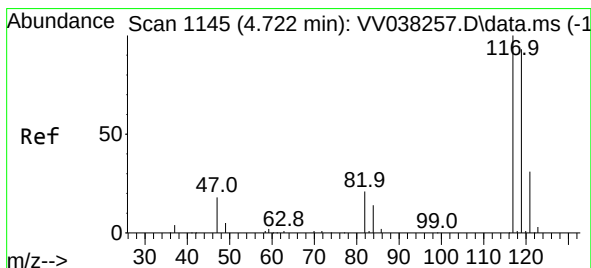
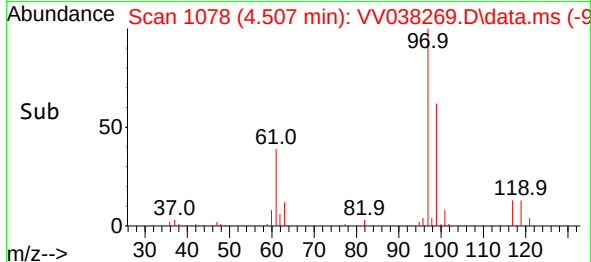
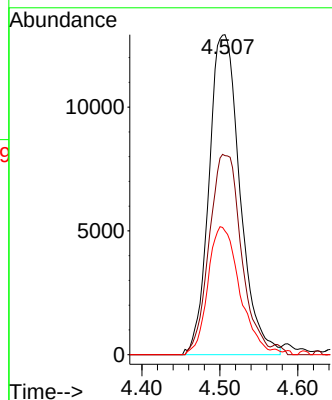
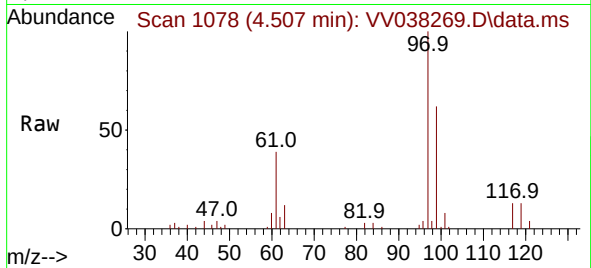




#29
1,1,1-Trichloroethane
Concen: 1.124 ug/L
RT: 4.507 min Scan# 1076
Delta R.T. 0.006 min
Lab File: VV038269.D
Acq: 22 Nov 2024 14:43

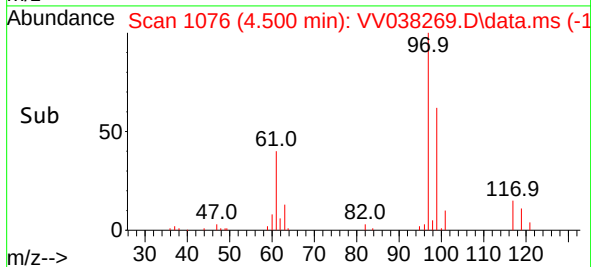
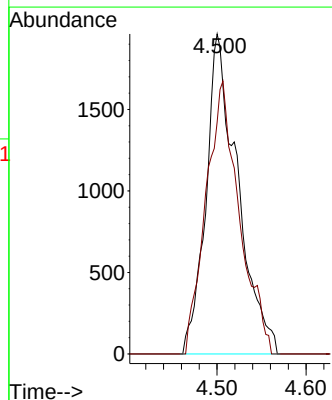
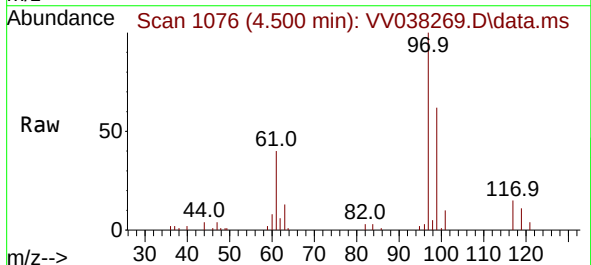
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MSVOA_V
ClientSampleId :

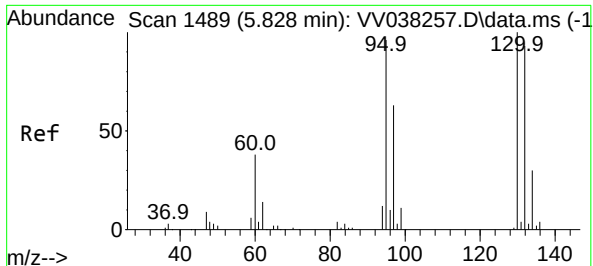
Tgt Ion: 97 Resp: 35649
Ion Ratio Lower Upper
97 100
99 64.9 51.8 77.8
61 40.9 32.2 48.2



#31
Carbon tetrachloride
Concen: 0.173 ug/L
RT: 4.500 min Scan# 1076
Delta R.T. -0.222 min
Lab File: VV038269.D
Acq: 22 Nov 2024 14:43

Tgt Ion: 117 Resp: 4838
Ion Ratio Lower Upper
117 100
119 90.0 77.4 116.2





#34

Trichloroethene

Concen: 15.162 ug/L

RT: 5.822 min Scan# 1489

Delta R.T. -0.006 min

Lab File: VV038269.D

Acq: 22 Nov 2024 14:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 306933

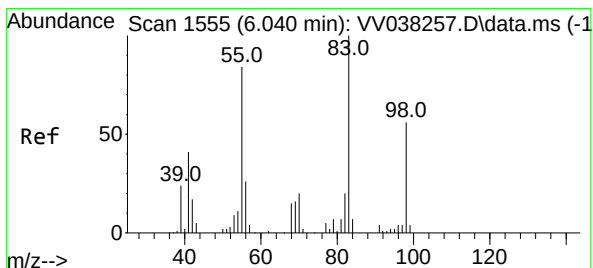
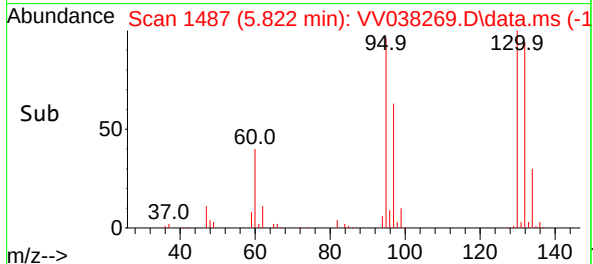
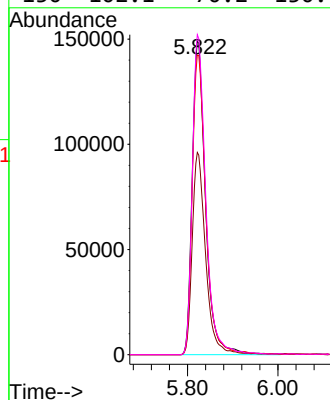
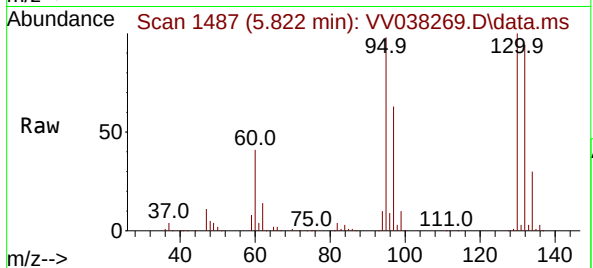
Ion Ratio Lower Upper

95 100

97 64.6 44.8 83.2

132 95.7 68.3 126.8

130 102.1 70.2 130.4



#35

Methylcyclohexane

Concen: 0.814 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038269.D

Acq: 22 Nov 2024 14:43

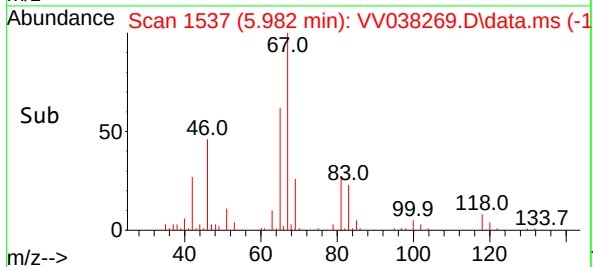
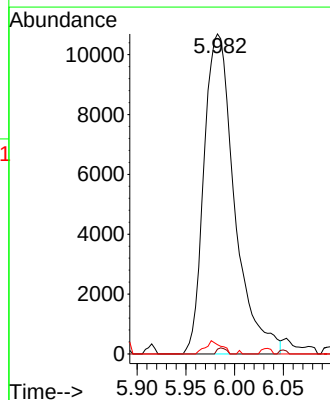
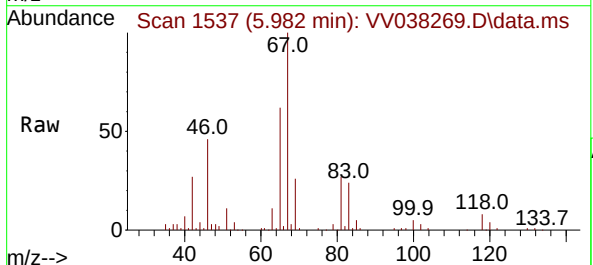
Tgt Ion: 83 Resp: 23318

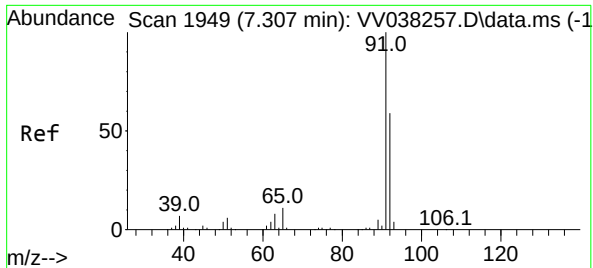
Ion Ratio Lower Upper

83 100

55 0.5 59.7 89.5#

98 2.1 39.0 58.4#





#42

Toluene

Concen: 0.229 ug/L

RT: 7.323 min Scan# 1949

Delta R.T. 0.016 min

Lab File: VV038269.D

Acq: 22 Nov 2024 14:43

Instrument :

MSVOA_V

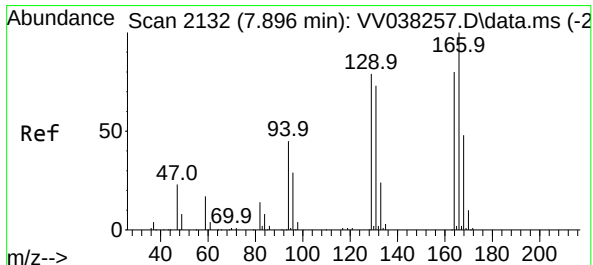
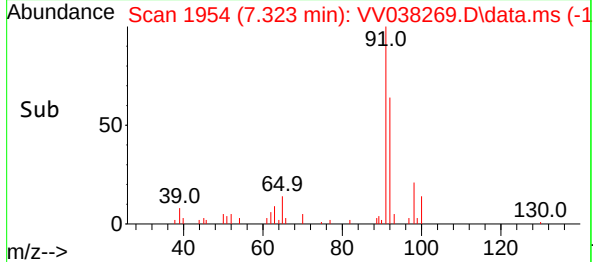
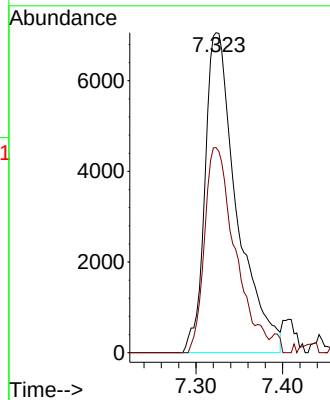
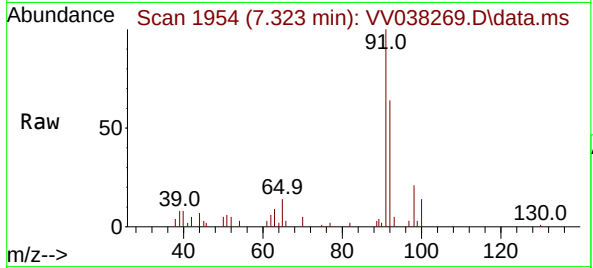
ClientSampleId :

Tgt Ion: 91 Resp: 18029

Ion Ratio Lower Upper

91 100

92 64.1 40.8 75.8



#47

Tetrachloroethene

Concen: 20.406 ug/L

RT: 7.896 min Scan# 2132

Delta R.T. 0.000 min

Lab File: VV038269.D

Acq: 22 Nov 2024 14:43

Tgt Ion:164 Resp: 331952

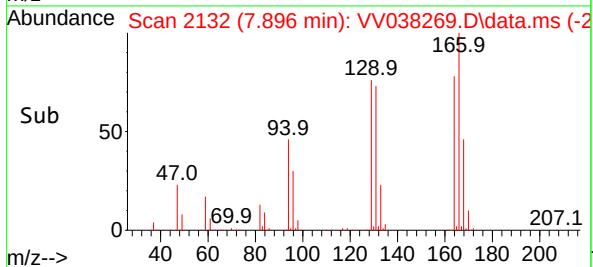
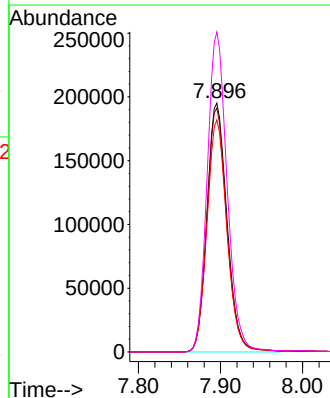
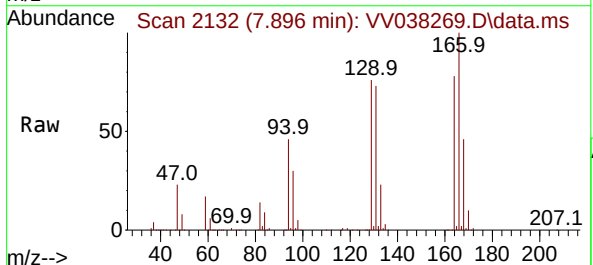
Ion Ratio Lower Upper

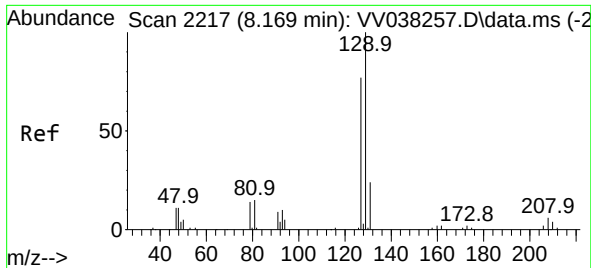
164 100

129 98.1 68.5 127.1

131 93.3 64.8 120.4

166 128.6 88.3 163.9

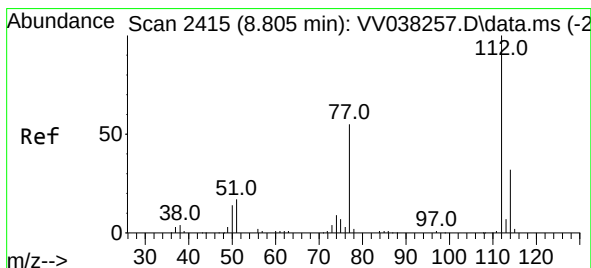
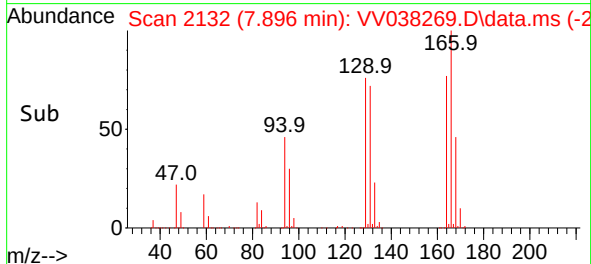
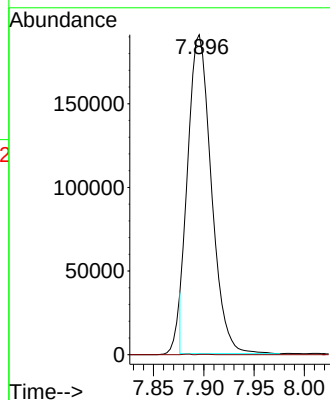
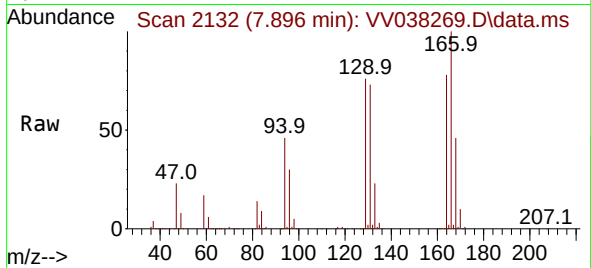




#49
Dibromochloromethane
Concen: 18.674 ug/L
RT: 7.896 min Scan# 2132
Delta R.T. -0.273 min
Lab File: VV038269.D
Acq: 22 Nov 2024 14:43

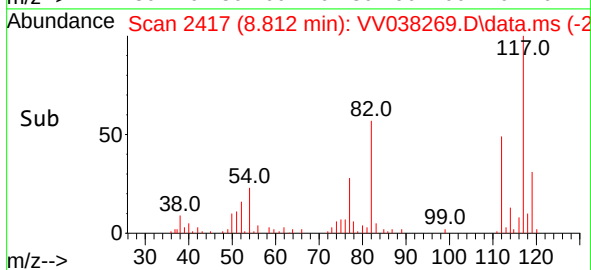
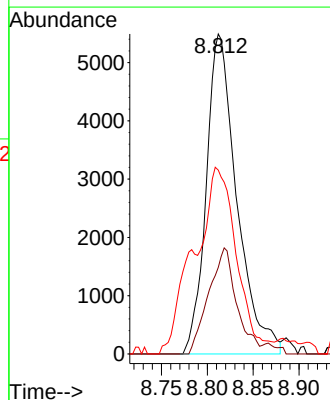
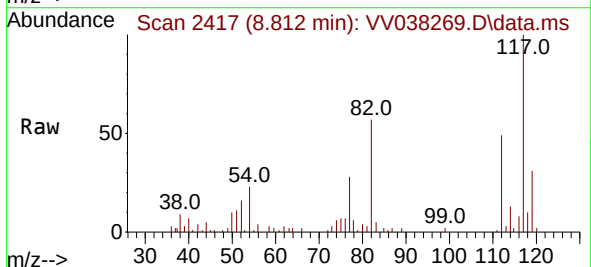
Instrument :
MSVOA_V
ClientSampleId :

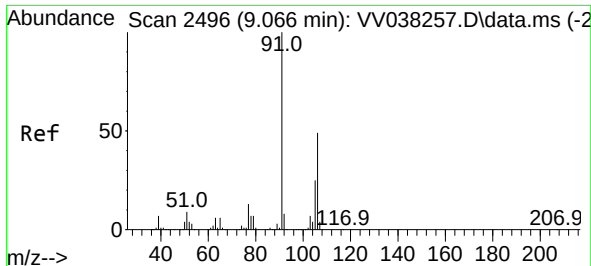
Tgt Ion:129 Resp: 307131
Ion Ratio Lower Upper
129 100
127 0.1 53.5 99.3#



#51
Chlorobenzene
Concen: 0.235 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.006 min
Lab File: VV038269.D
Acq: 22 Nov 2024 14:43

Tgt Ion:112 Resp: 12743
Ion Ratio Lower Upper
112 100
114 27.0 22.0 40.8
77 57.5 45.0 67.4

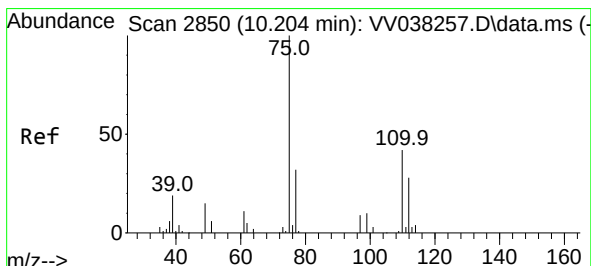
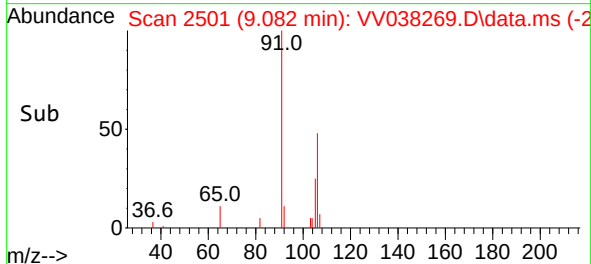
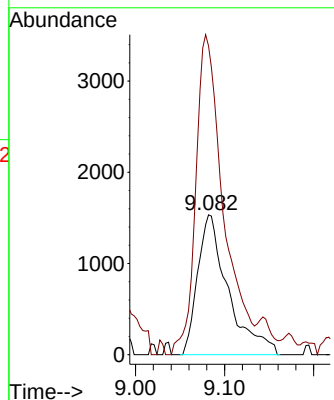
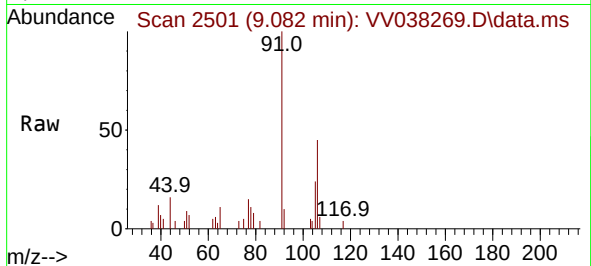




#53
m,p-Xylene
Concen: 0.116 ug/L
RT: 9.082 min Scan# 21
Delta R.T. 0.016 min
Lab File: VV038269.D
Acq: 22 Nov 2024 14:43

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:106 Resp: 3658
Ion Ratio Lower Upper
106 100
91 220.9 138.7 257.5



#61
1,2,3-Trichloropropane
Concen: 1.504 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.974 min
Lab File: VV038269.D
Acq: 22 Nov 2024 14:43

Tgt Ion: 75 Resp: 13351
Ion Ratio Lower Upper
75 100
77 30.3 26.4 39.6
110 3.1 32.3 48.5#

