

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112024\
 Data File : VV038218.D
 Acq On : 20 Nov 2024 16:21
 Operator : SY/MD
 Sample : P4883-05
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 01:50:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 21 01:41:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	244458	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	263400	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	112034	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	71601	3.821	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.400%
7) Chloroethane-d5	1.529	69	68111	4.494	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.053	65	33061	4.100	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.000%
20) 2-Butanone-d5	3.793	46	189451	50.543	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.080%
24) Chloroform-d	4.240	84	165217	4.543	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	4.937	65	83007	5.087	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
32) Benzene-d6	4.953	84	291033	4.275	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	5.982	67	97433	4.651	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.000%
41) Toluene-d8	7.240	98	237868	3.776	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.600%
43) trans-1,3-Dichloroprop...	7.558	79	29997	3.852	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.021	63	167429	55.303	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.600%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	82593	4.644	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	11.554	152	98401	5.155	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.200%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	1.709	101	24819	0.773	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	11983	0.654	ug/L	98
12) 1,1-Dichloroethene	2.066	96	9804	0.562	ug/L #	1
16) Methylene chloride	2.442	84	49096	2.466	ug/L	95
17) Methyl tert-butyl Ether	2.703	73	12725	0.322	ug/L #	92
18) trans-1,2-Dichloroethene	2.693	96	2834	0.154	ug/L	90
19) 1,1-Dichloroethane	3.108	63	18713	0.560	ug/L	99
22) cis-1,2-Dichloroethene	3.806	96	139822	7.352	ug/L	99
25) Chloroform	4.275	83	10682	0.299	ug/L	99
27) 1,2-Dichloroethane	5.060	62	6990	0.360	ug/L #	93
29) 1,1,1-Trichloroethane	4.503	97	79084	2.503	ug/L	98
31) Carbon tetrachloride	4.503	117	10442	0.375	ug/L	96
34) Trichloroethene	5.822	95	1158834	57.456	ug/L	98
35) Methylcyclohexane	5.982	83	25651	0.899	ug/L #	21
42) Toluene	7.320	91	44487	0.568	ug/L	98
47) Tetrachloroethene	7.895	164	455785	28.123	ug/L	98
49) Dibromochloromethane	7.895	129	416301	25.405	ug/L #	11
51) Chlorobenzene	8.815	112	32410	0.600	ug/L	96
52) Ethylbenzene	8.950	91	15720	0.189	ug/L	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112024\
Data File : VV038218.D
Acq On : 20 Nov 2024 16:21
Operator : SY/MD
Sample : P4883-05
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

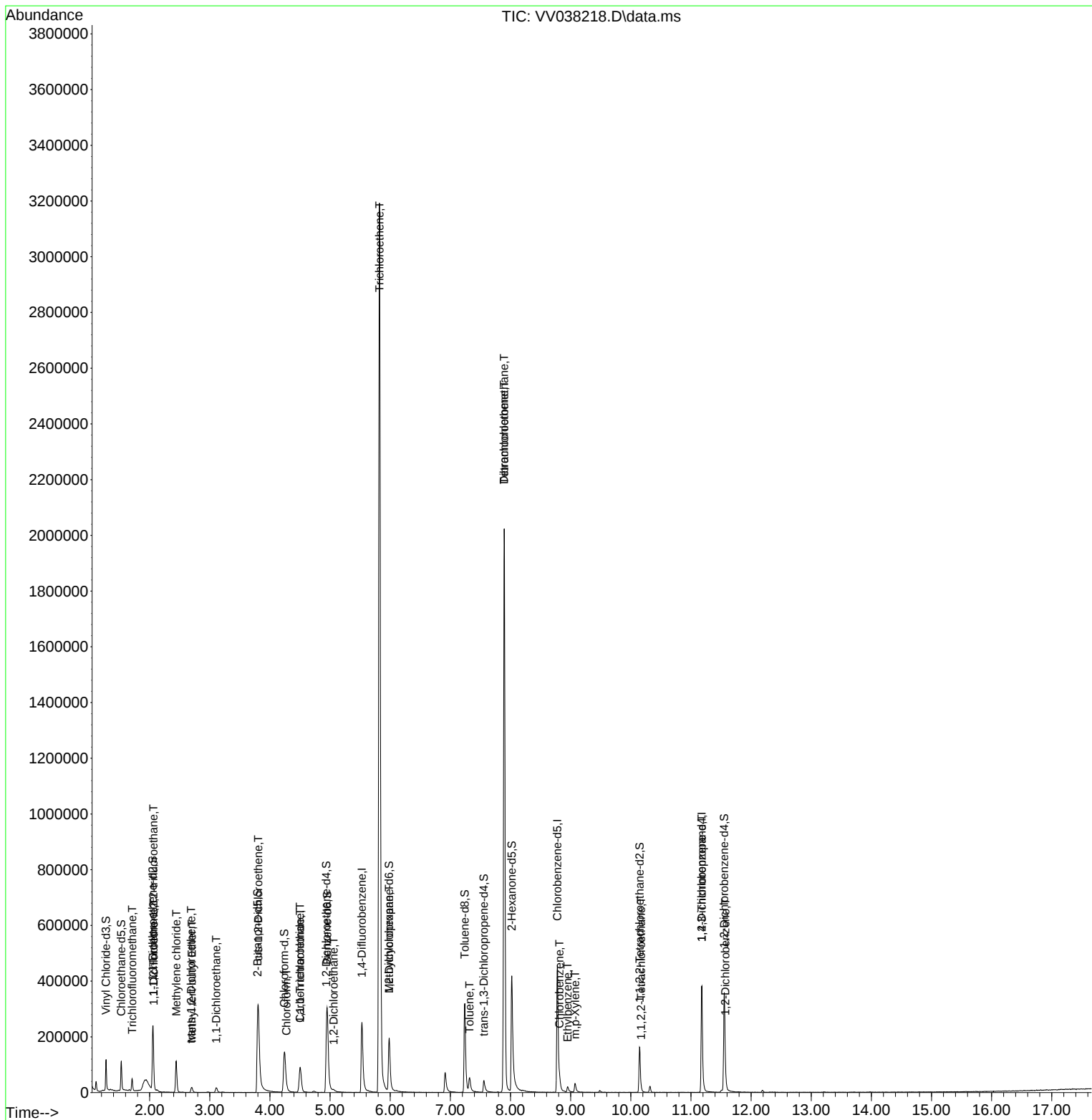
Instrument :
MSVOA_V
ClientSampleId :

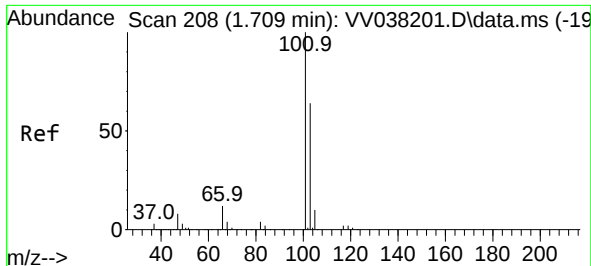
Quant Time: Nov 21 01:50:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 21 01:41:56 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.075	106	9715	0.310	ug/L	73
57) 1,1,2,2-Tetrachloroethane	10.172	83	4321	0.246	ug/L #	97
61) 1,2,3-Trichloropropane	11.182	75	12456	1.299	ug/L #	63
67) 1,2-Dichlorobenzene	11.574	146	13567	0.423	ug/L	96

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

Quant Time: Nov 21 01:50:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 21 01:41:56 2024
Response via : Initial Calibration

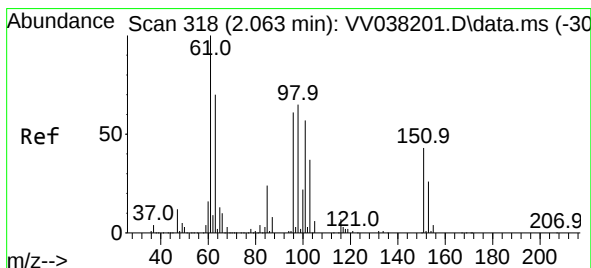
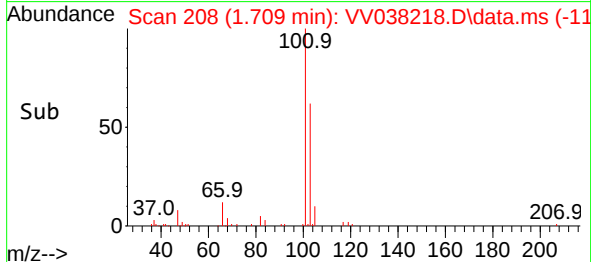
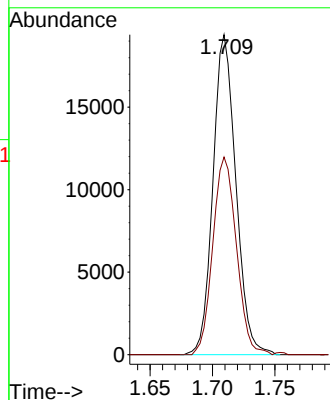
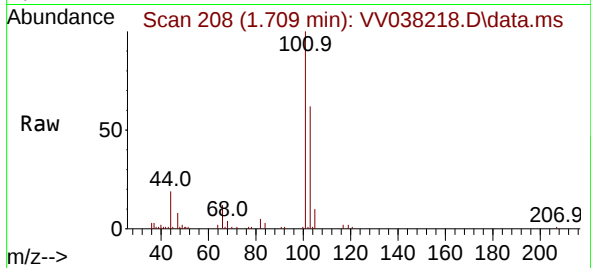




#9
 Trichlorofluoromethane
 Concen: 0.773 ug/L
 RT: 1.709 min Scan# 208
 Delta R.T. 0.000 min
 Lab File: VV038218.D
 Acq: 20 Nov 2024 16:21

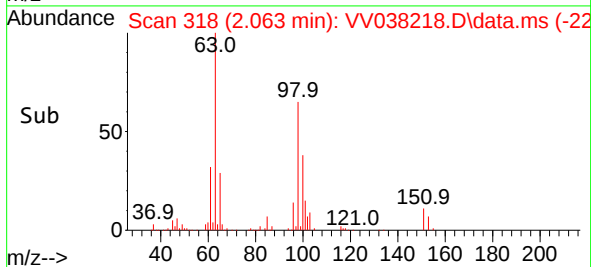
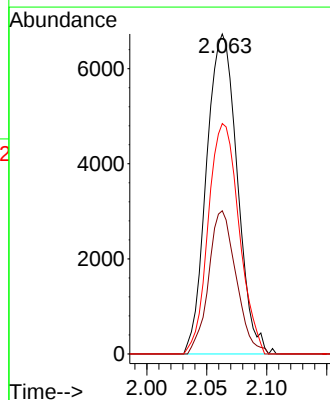
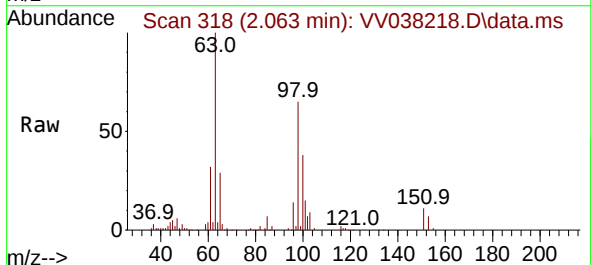
Instrument :
 MSVOA_V
 ClientSampleId :

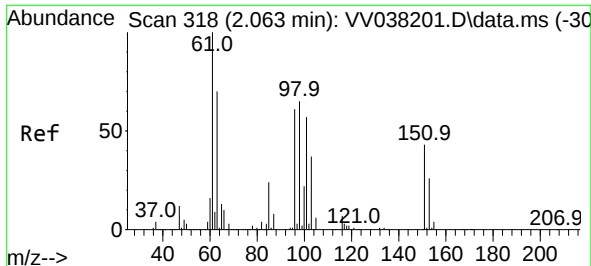
Tgt Ion:101 Resp: 24819
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.654 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. 0.000 min
 Lab File: VV038218.D
 Acq: 20 Nov 2024 16:21

Tgt Ion:101 Resp: 11983
 Ion Ratio Lower Upper
 101 100
 85 40.1 33.4 50.0
 151 72.3 58.8 88.2

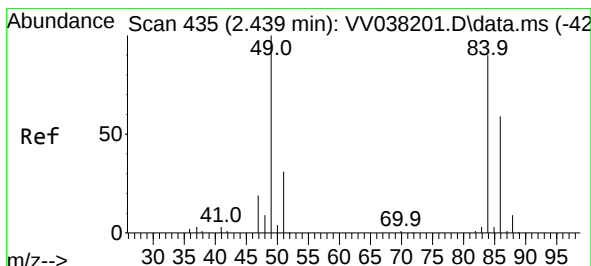
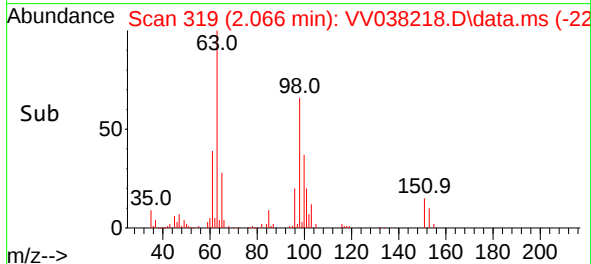
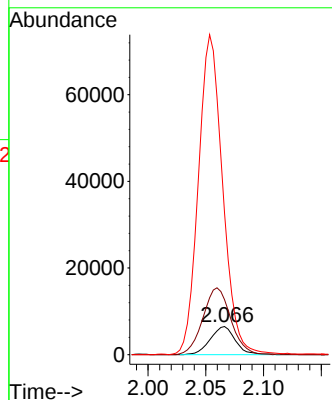
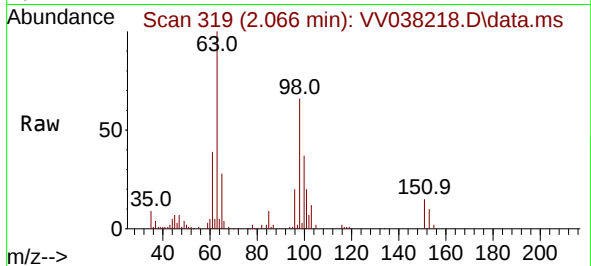




#12
1,1-Dichloroethene
Concen: 0.562 ug/L
RT: 2.066 min Scan# 318
Delta R.T. 0.003 min
Lab File: VV038218.D
Acq: 20 Nov 2024 16:21

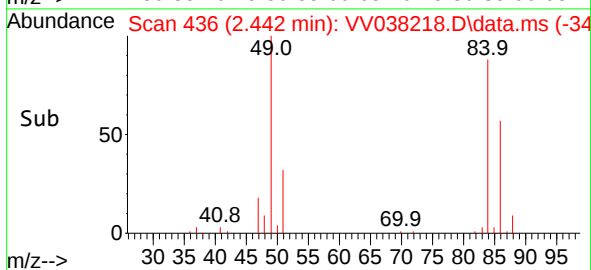
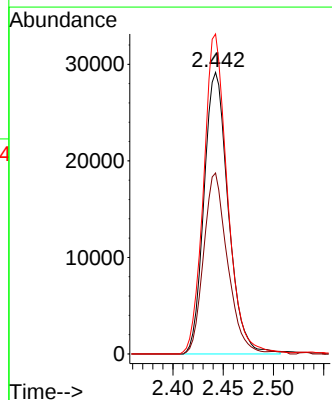
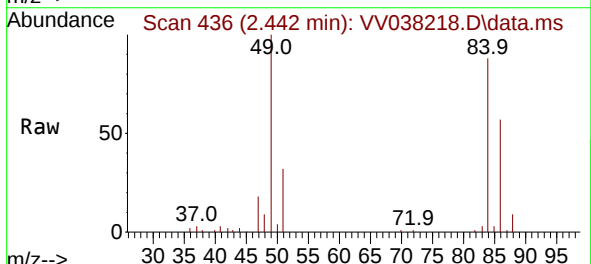
Instrument :
MSVOA_V
ClientSampleId :

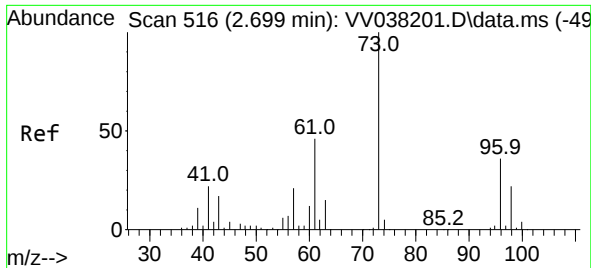
Tgt Ion: 96 Resp: 9804
Ion Ratio Lower Upper
96 100
61 195.2 115.7 214.9
63 503.1 101.1 187.7#



#16
Methylene chloride
Concen: 2.466 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV038218.D
Acq: 20 Nov 2024 16:21

Tgt Ion: 84 Resp: 49096
Ion Ratio Lower Upper
84 100
86 64.2 44.2 82.2
49 113.6 74.9 139.1





#17

Methyl tert-butyl Ether

Concen: 0.322 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

Instrument :

MSVOA_V

ClientSampleId :

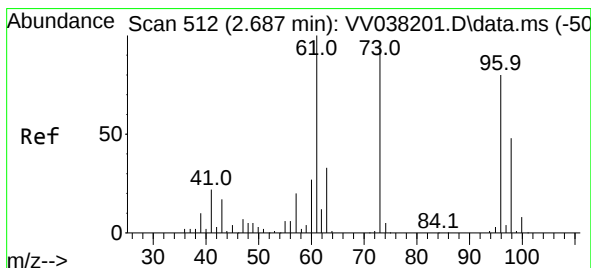
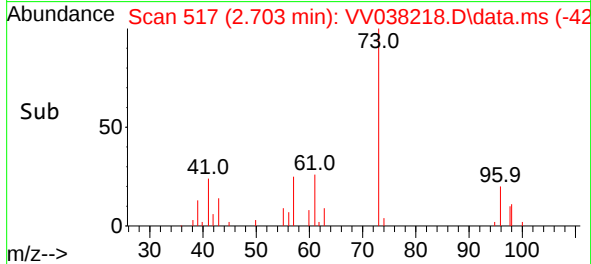
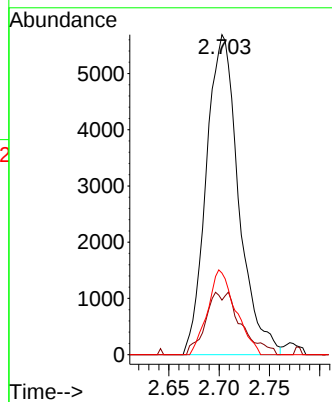
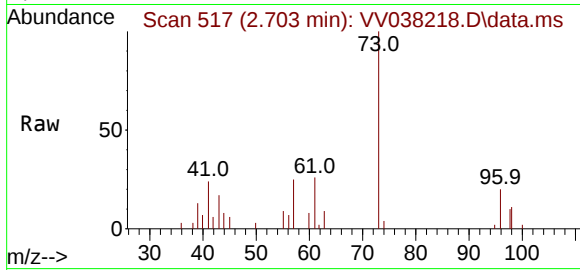
Tgt Ion: 73 Resp: 12725

Ion Ratio Lower Upper

73 100

43 10.3 14.2 21.2#

57 22.9 17.6 26.4



#18

trans-1,2-Dichloroethene

Concen: 0.154 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.007 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

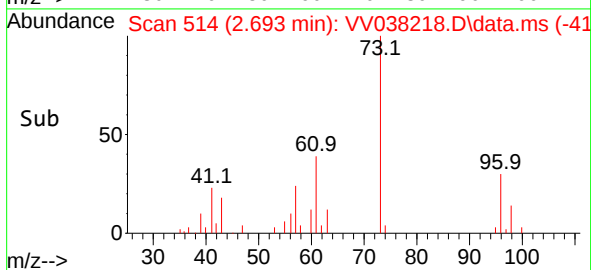
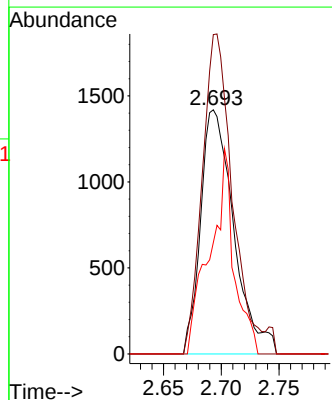
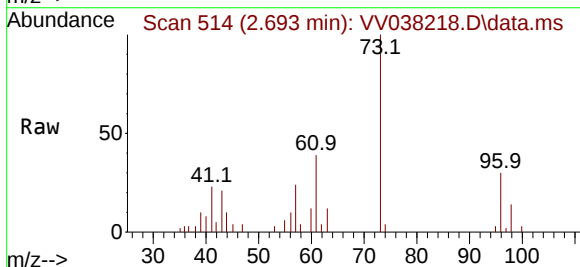
Tgt Ion: 96 Resp: 2834

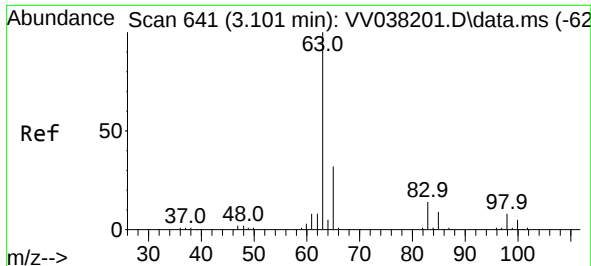
Ion Ratio Lower Upper

96 100

61 130.8 88.5 164.4

98 45.6 43.9 81.5





#19

1,1-Dichloroethane

Concen: 0.560 ug/L

RT: 3.108 min Scan# 641

Delta R.T. 0.007 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

Instrument :

MSVOA_V

ClientSampleId :

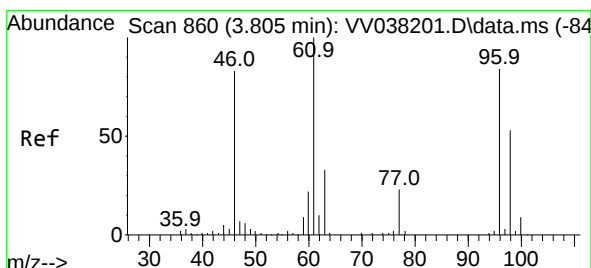
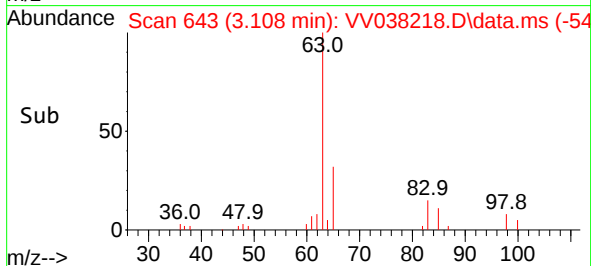
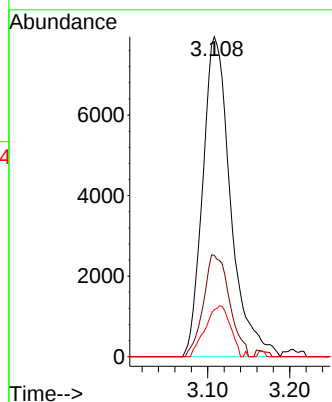
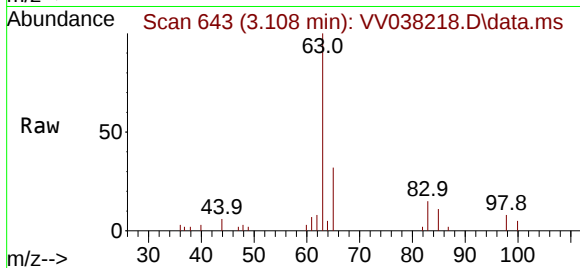
Tgt Ion: 63 Resp: 18713

Ion Ratio Lower Upper

63 100

65 31.7 22.5 41.7

83 14.7 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 7.352 ug/L

RT: 3.806 min Scan# 860

Delta R.T. 0.000 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

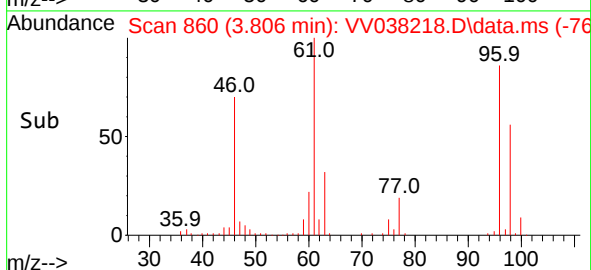
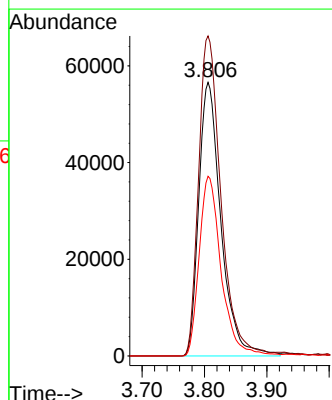
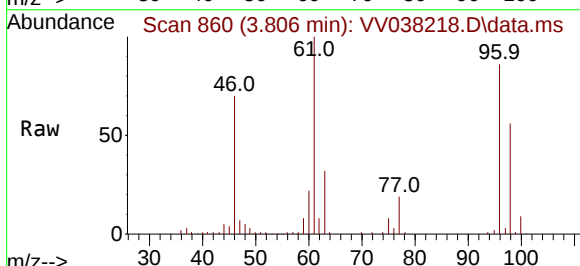
Tgt Ion: 96 Resp: 139822

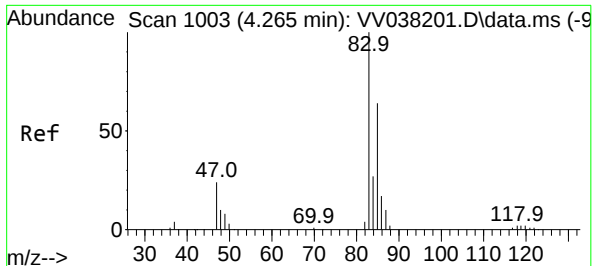
Ion Ratio Lower Upper

96 100

61 116.9 82.7 153.5

98 65.7 46.3 85.9





#25

Chloroform

Concen: 0.299 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.010 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

Instrument :

MSVOA_V

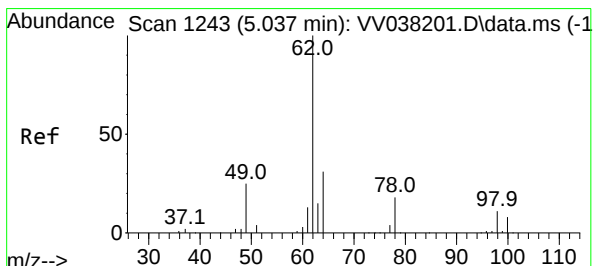
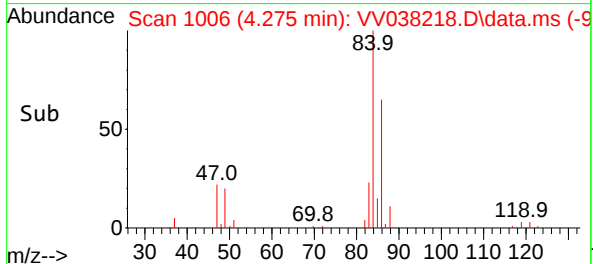
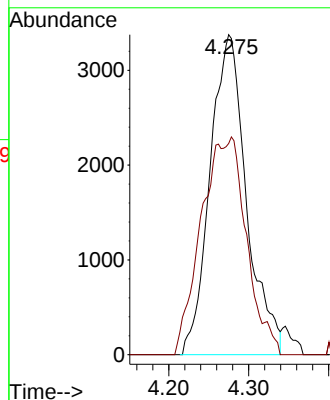
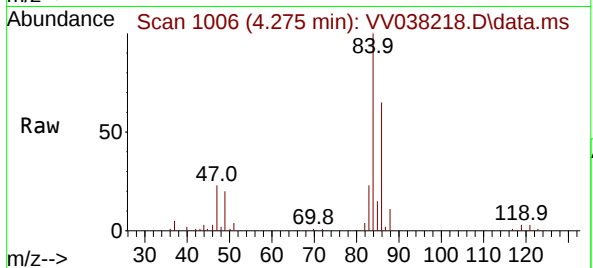
ClientSampleId :

Tgt Ion: 83 Resp: 10682

Ion Ratio Lower Upper

83 100

85 66.0 46.5 86.3



#27

1,2-Dichloroethane

Concen: 0.360 ug/L

RT: 5.060 min Scan# 1250

Delta R.T. 0.023 min

Lab File: VV038218.D

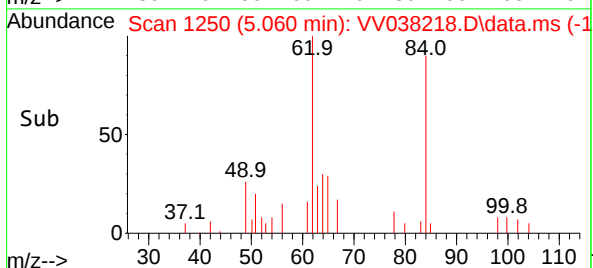
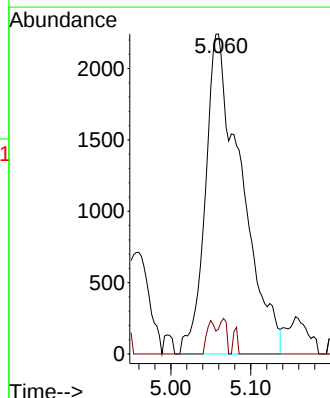
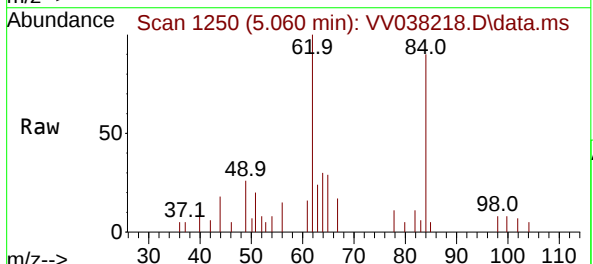
Acq: 20 Nov 2024 16:21

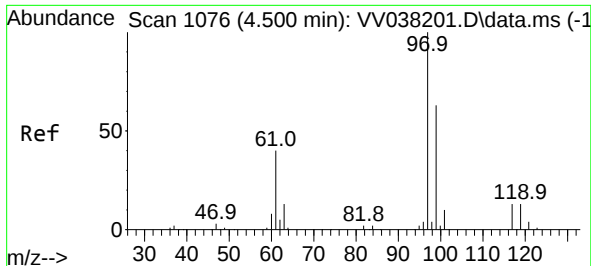
Tgt Ion: 62 Resp: 6990

Ion Ratio Lower Upper

62 100

98 7.8 8.2 12.4#





#29

1,1,1-Trichloroethane

Concen: 2.503 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

Instrument :

MSVOA_V

ClientSampleId :

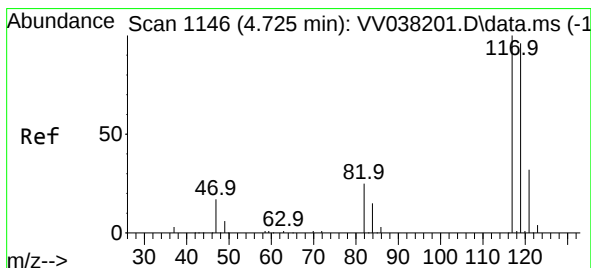
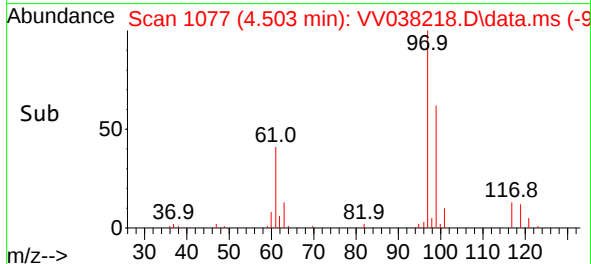
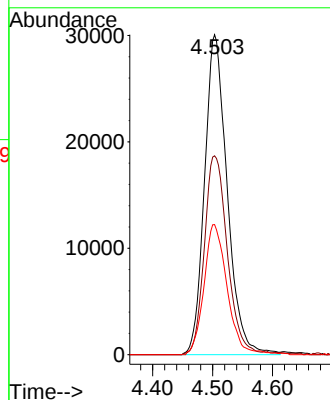
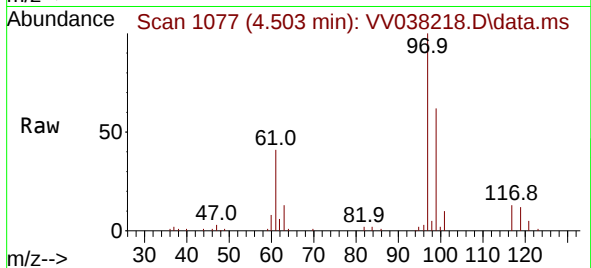
Tgt Ion: 97 Resp: 79084

Ion Ratio Lower Upper

97 100

99 62.9 51.8 77.8

61 41.6 32.2 48.2



#31

Carbon tetrachloride

Concen: 0.375 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.222 min

Lab File: VV038218.D

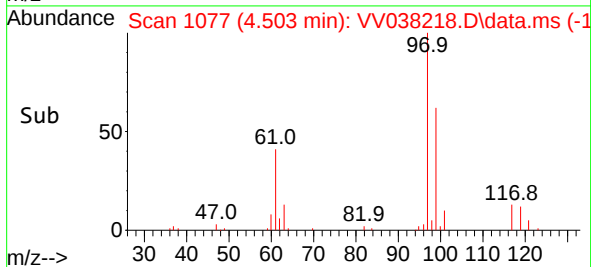
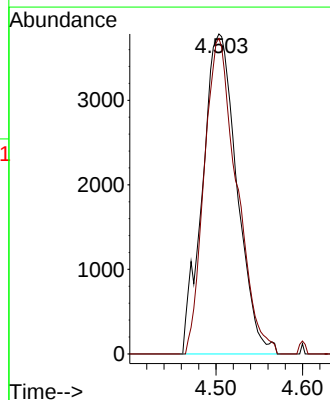
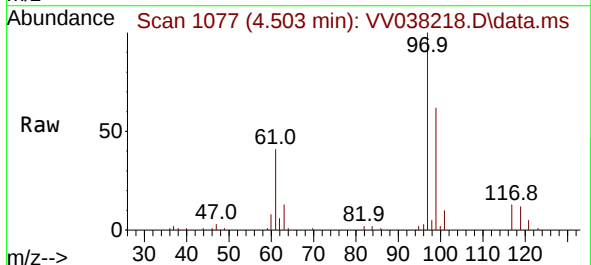
Acq: 20 Nov 2024 16:21

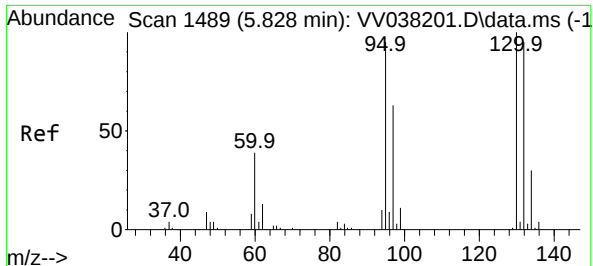
Tgt Ion:117 Resp: 10442

Ion Ratio Lower Upper

117 100

119 93.2 77.4 116.2





#34

Trichloroethene

Concen: 57.456 ug/L

RT: 5.822 min Scan# 1489

Delta R.T. -0.006 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 1158834

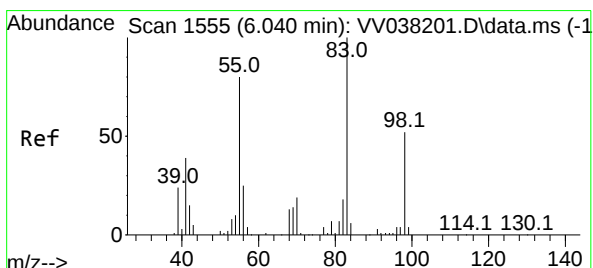
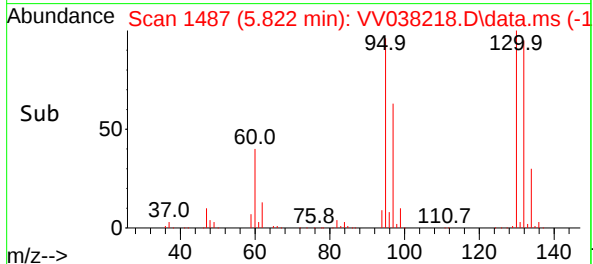
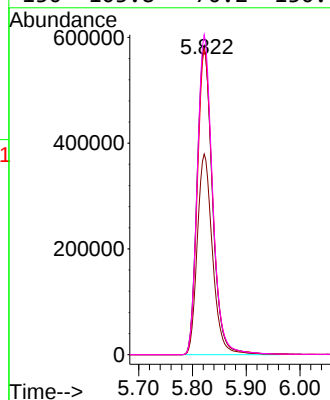
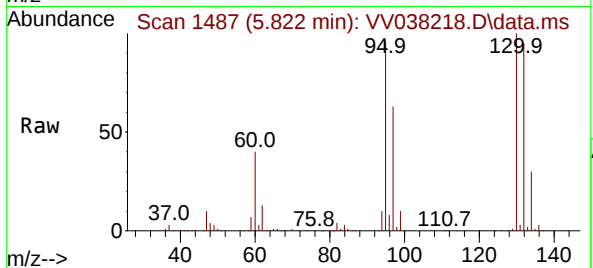
Ion Ratio Lower Upper

95 100

97 65.1 44.8 83.2

132 99.1 68.3 126.8

130 103.8 70.2 130.4



#35

Methylcyclohexane

Concen: 0.899 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

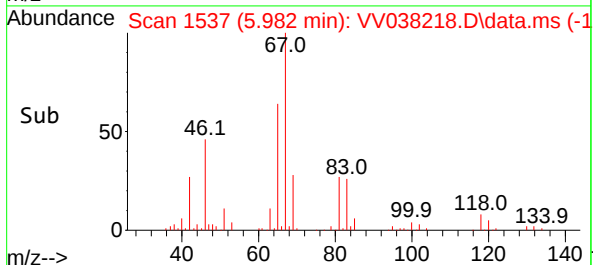
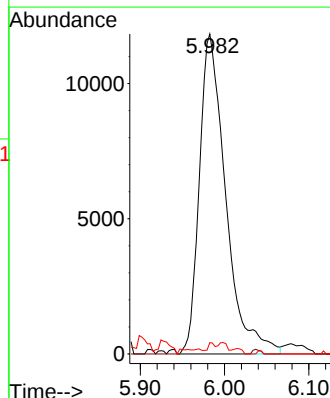
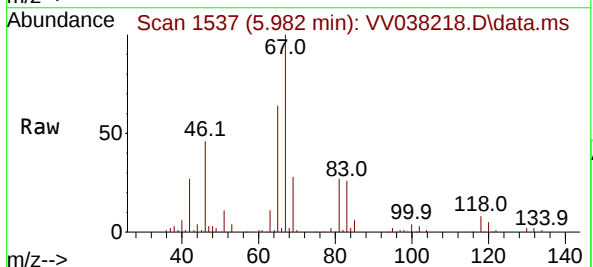
Tgt Ion: 83 Resp: 25651

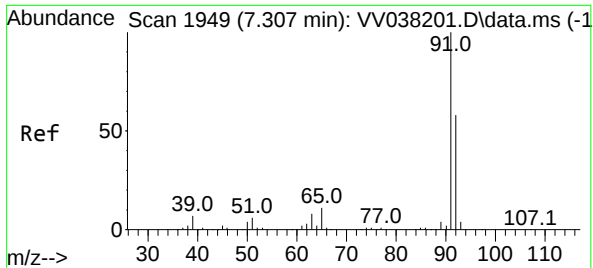
Ion Ratio Lower Upper

83 100

55 0.4 59.7 89.5#

98 3.4 39.0 58.4#

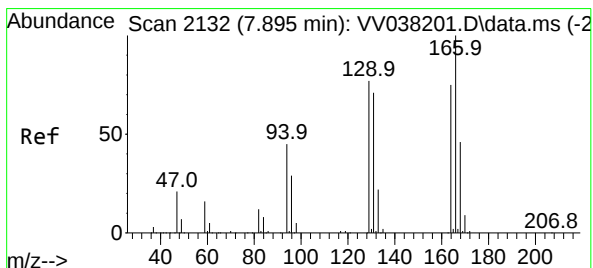
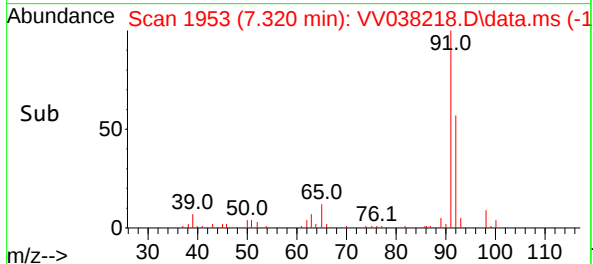
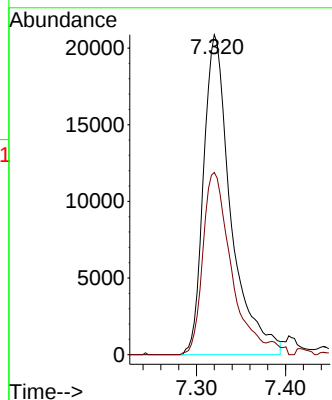
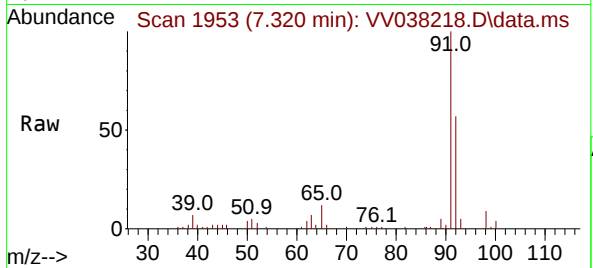




#42
Toluene
Concen: 0.568 ug/L
RT: 7.320 min Scan# 1949
Delta R.T. 0.013 min
Lab File: VV038218.D
Acq: 20 Nov 2024 16:21

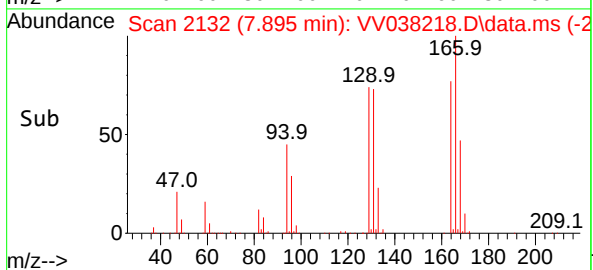
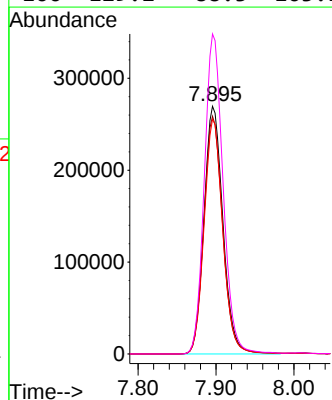
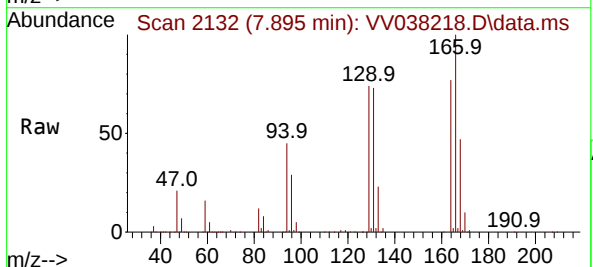
Instrument :
MSVOA_V
ClientSampleId :

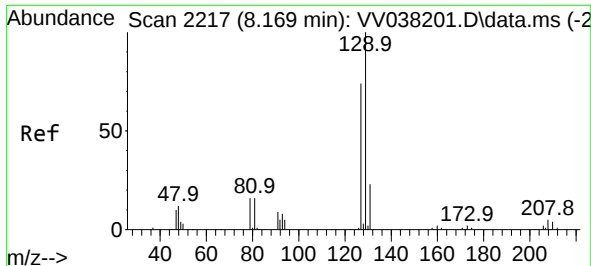
Tgt Ion: 91 Resp: 44487
Ion Ratio Lower Upper
91 100
92 57.0 40.8 75.8



#47
Tetrachloroethene
Concen: 28.123 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV038218.D
Acq: 20 Nov 2024 16:21

Tgt Ion: 164 Resp: 455785
Ion Ratio Lower Upper
164 100
129 96.0 68.5 127.1
131 94.8 64.8 120.4
166 129.2 88.3 163.9





#49

Dibromochloromethane

Concen: 25.405 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.273 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

Instrument :

MSVOA_V

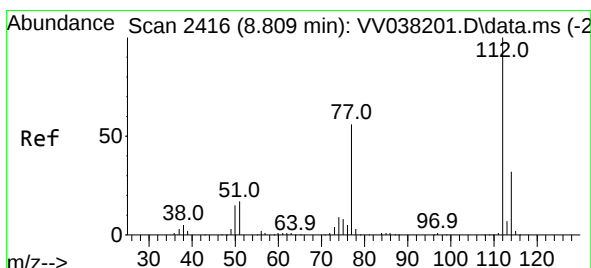
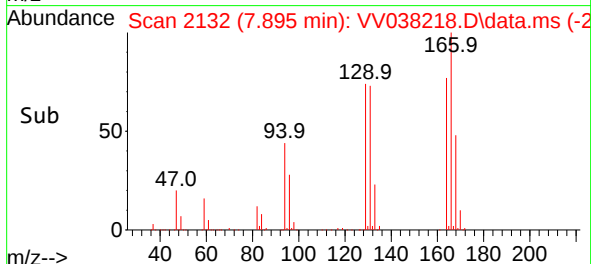
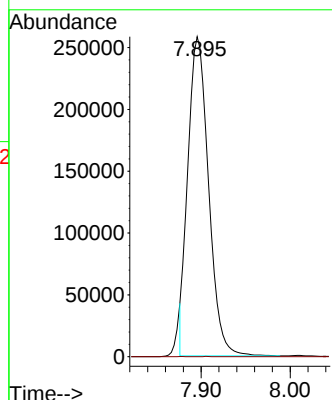
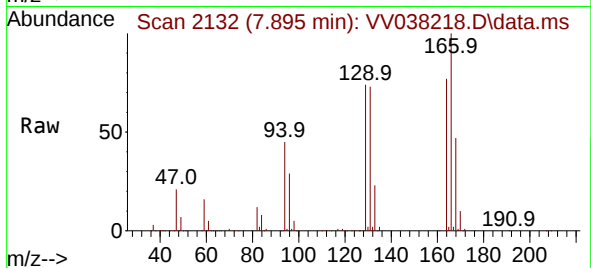
ClientSampleId :

Tgt Ion:129 Resp: 416301

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#51

Chlorobenzene

Concen: 0.600 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.007 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

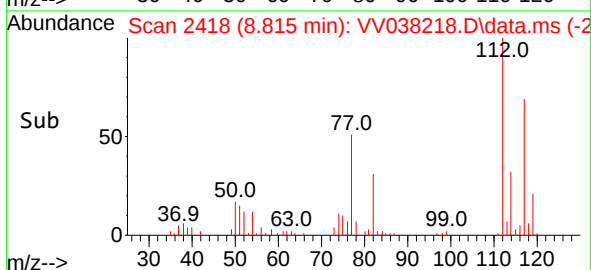
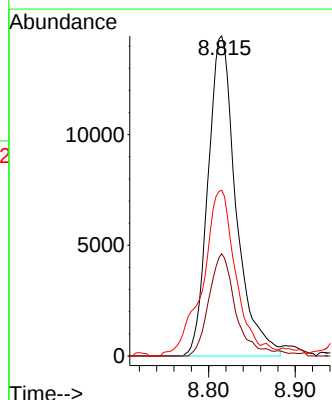
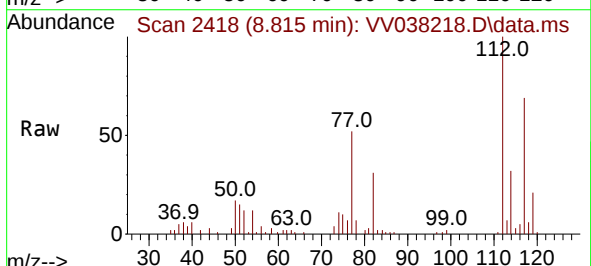
Tgt Ion:112 Resp: 32410

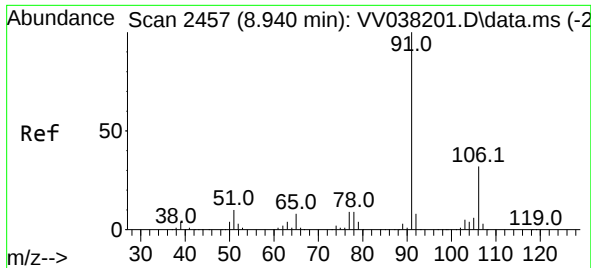
Ion Ratio Lower Upper

112 100

114 32.0 22.0 40.8

77 51.8 45.0 67.4

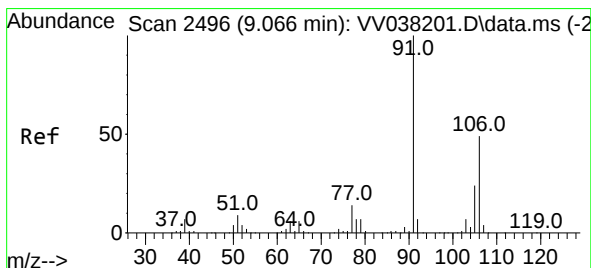
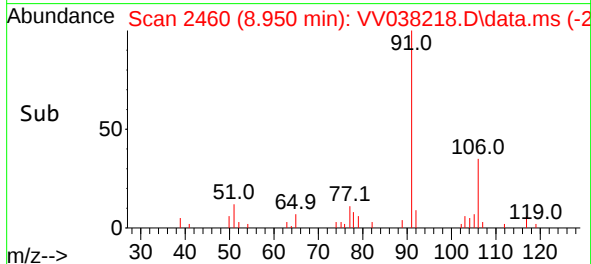
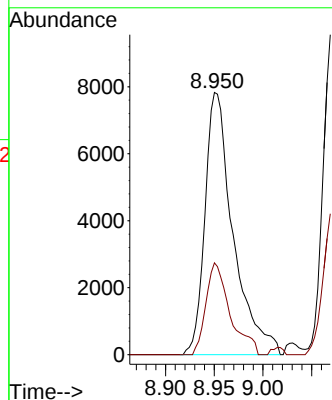
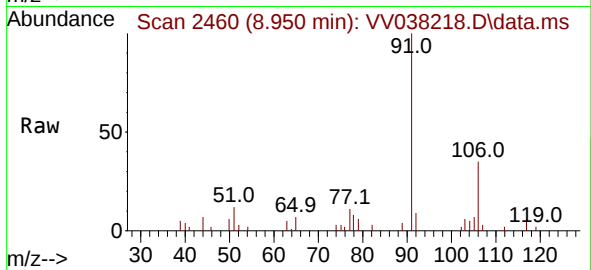




#52
Ethylbenzene
Concen: 0.189 ug/L
RT: 8.950 min Scan# 2457
Delta R.T. 0.010 min
Lab File: VV038218.D
Acq: 20 Nov 2024 16:21

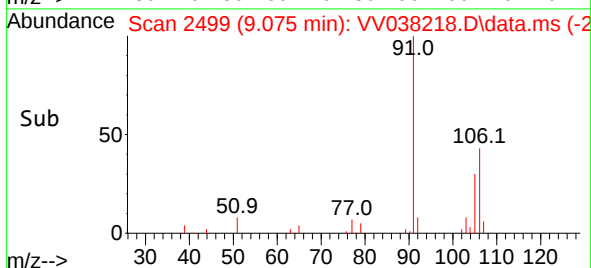
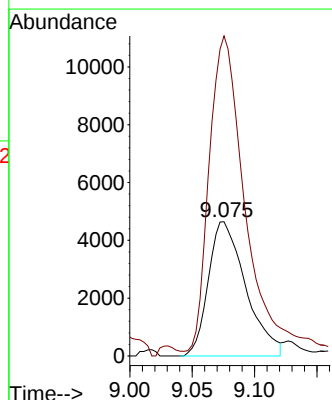
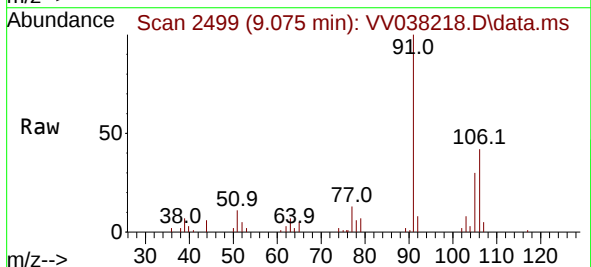
Instrument :
MSVOA_V
ClientSampleId :

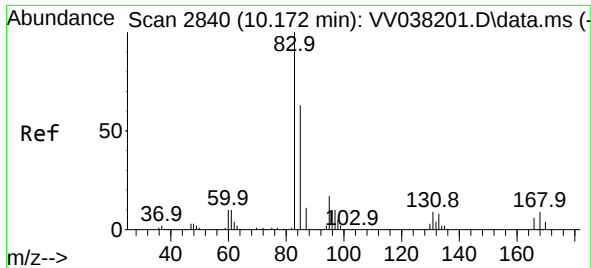
Tgt Ion: 91 Resp: 15720
Ion Ratio Lower Upper
91 100
106 35.0 21.8 40.4



#53
m,p-Xylene
Concen: 0.310 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.010 min
Lab File: VV038218.D
Acq: 20 Nov 2024 16:21

Tgt Ion: 106 Resp: 9715
Ion Ratio Lower Upper
106 100
91 238.5 138.7 257.5

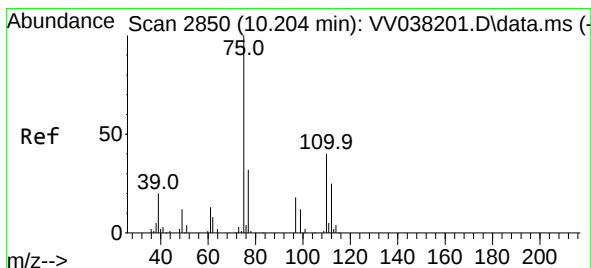
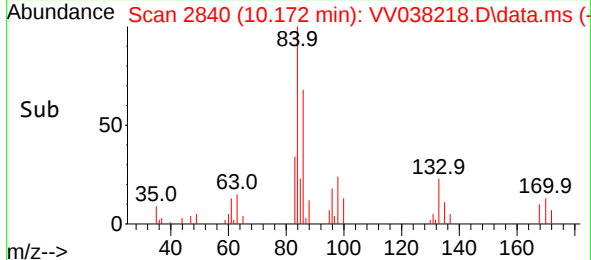
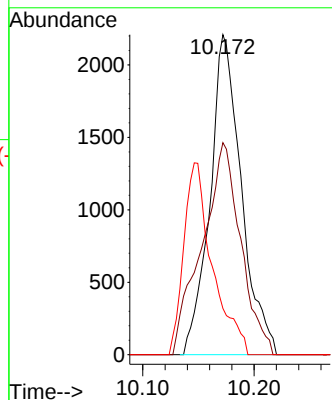
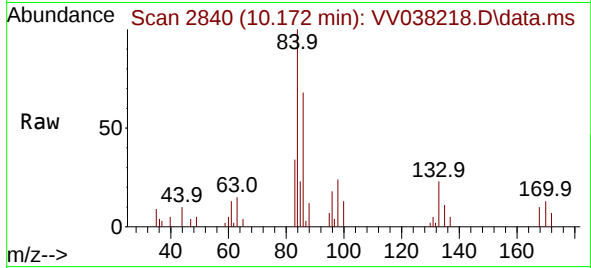




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.246 ug/L
 RT: 10.172 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV038218.D
 Acq: 20 Nov 2024 16:21

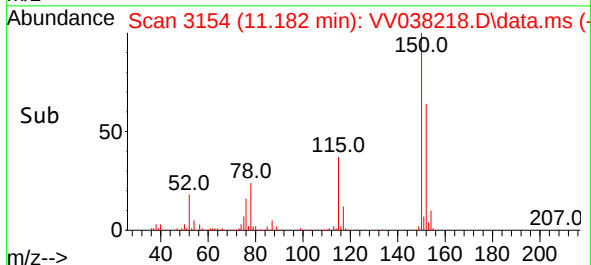
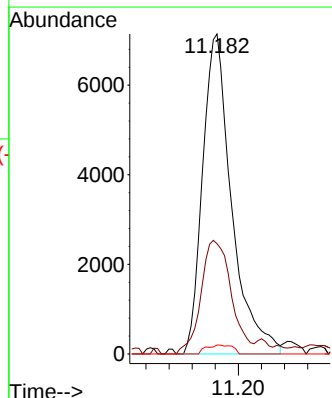
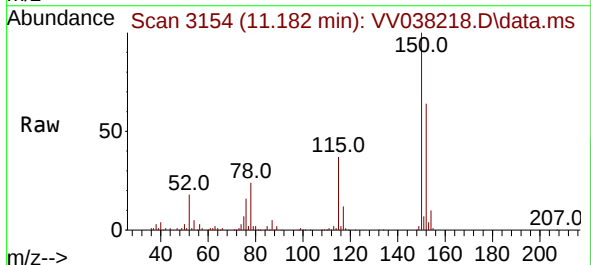
Instrument :
 MSVOA_V
 ClientSampleId :

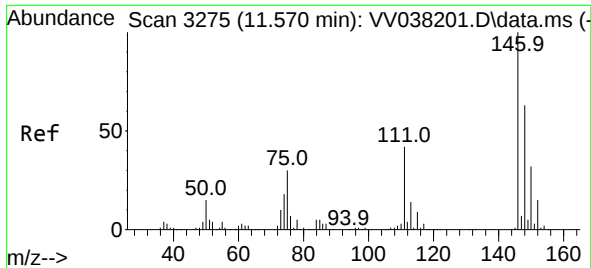
Tgt Ion: 83 Resp: 4321
 Ion Ratio Lower Upper
 83 100
 85 66.3 45.7 84.9
 131 14.4 8.2 12.4#



#61
 1,2,3-Trichloropropane
 Concen: 1.299 ug/L
 RT: 11.182 min Scan# 3154
 Delta R.T. 0.978 min
 Lab File: VV038218.D
 Acq: 20 Nov 2024 16:21

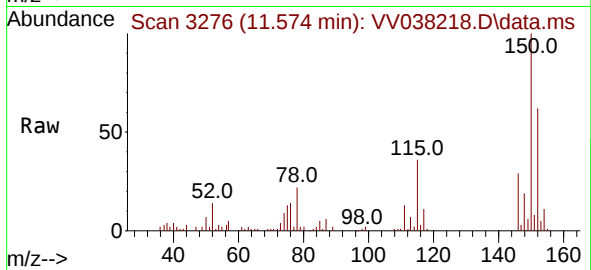
Tgt Ion: 75 Resp: 12456
 Ion Ratio Lower Upper
 75 100
 77 37.0 26.4 39.6
 110 2.5 32.3 48.5#





#67
1,2-Dichlorobenzene
Concen: 0.423 ug/L
RT: 11.574 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV038218.D
Acq: 20 Nov 2024 16:21

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	146	Resp:	13567
Ion	Ratio	Lower	Upper
146	100		
111	45.1	34.2	51.2
148	66.6	51.0	76.4

