

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 :
 BG3K2

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
29) 1,1,1-Trichloroethane	4.503	97	79084	2.503	ug/L	98
34) Trichloroethene	5.822	95	1158834	57.456	ug/L	98
42) Toluene	7.320	91	44487	0.568	ug/L	98
47) Tetrachloroethene	7.895	164	455785	28.123	ug/L	98
51) Chlorobenzene	8.815	112	32410	0.600	ug/L	96
52) Ethylbenzene	8.950	91	15720	0.189	ug/L	93
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
67) 1,2-Dichlorobenzene	11.574	146	13567	0.423	ug/L	96

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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

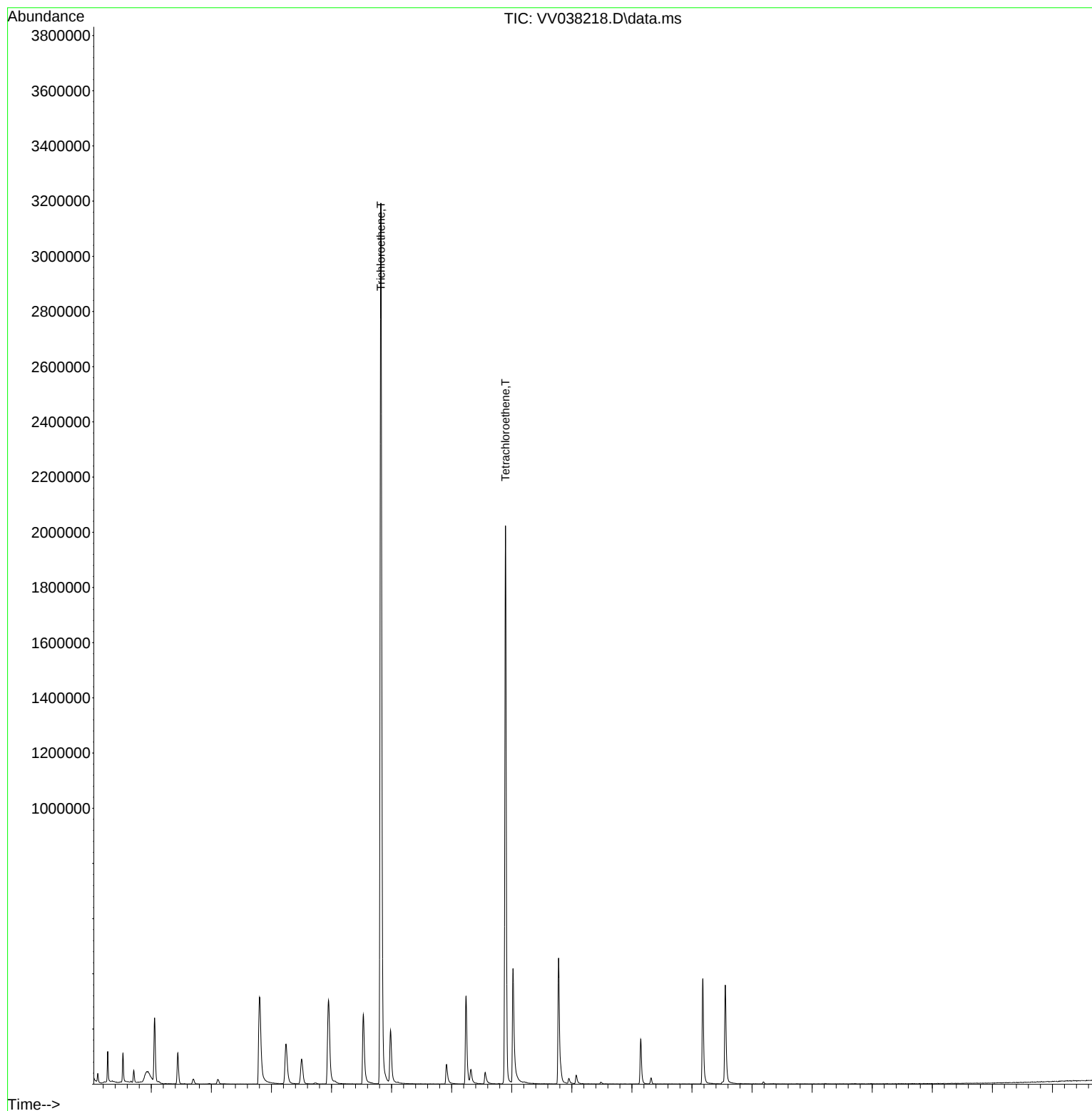
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

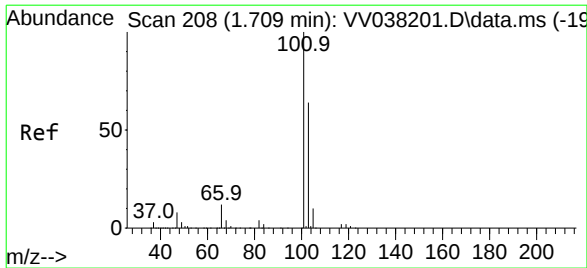
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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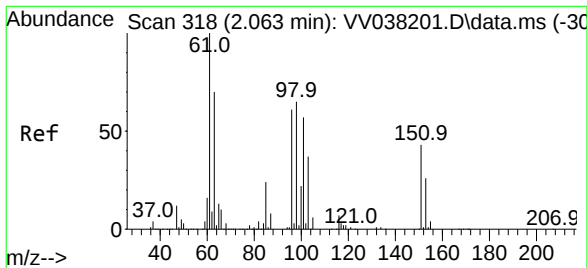
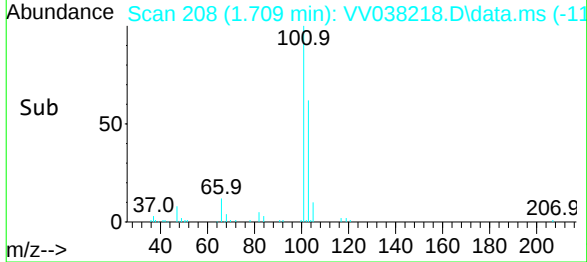
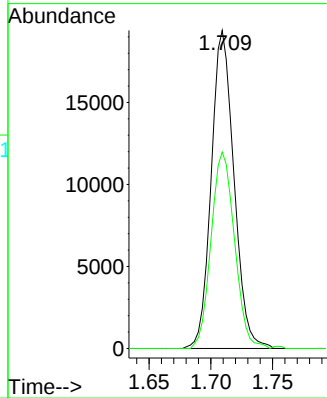
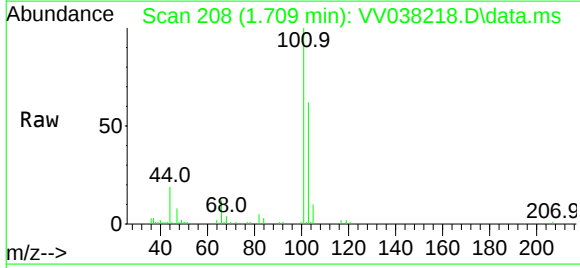




#9
Trichlorofluoromethane
Concen: 0.773 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038218.D
Acq: 20 Nov 2024 16:21

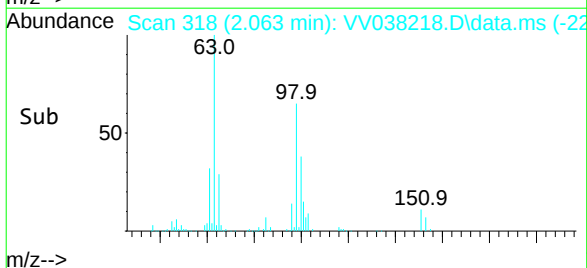
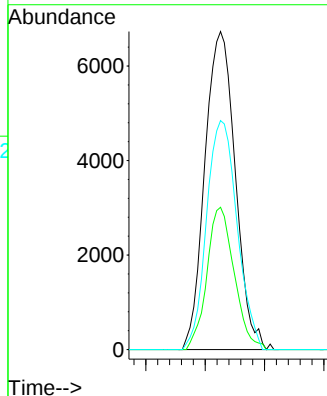
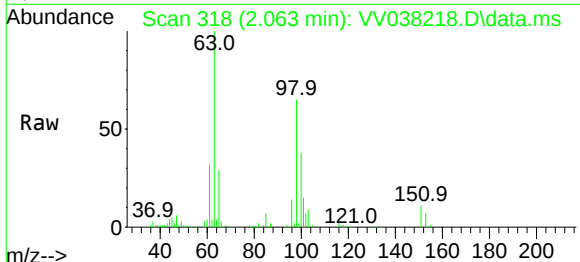
Instrument :
MSVOA_V
ClientSampleId :
BG3K2

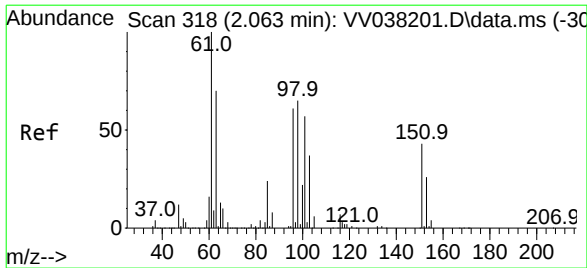
Tgt Ion:101 Resp: 24819
Ion Ratio Lower Upper
101 100
103 63.6 51.5 77.3



#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

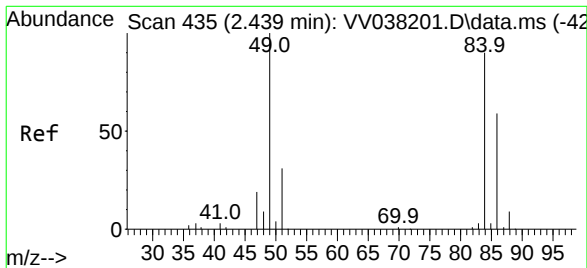
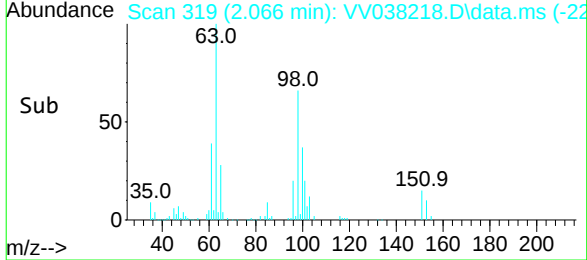
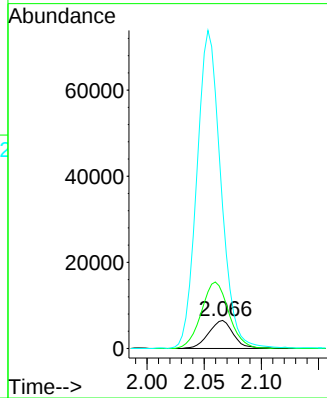
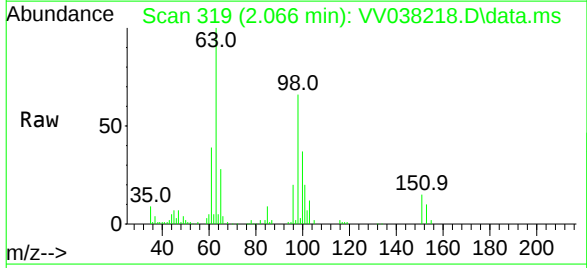




#12
1,1-Dichloroethene
Concen: 0.562 ug/L
RT: 2.066 min Scan# 318
Delta R.T. 0.003 min
Lab File: VV038218.D
Acq: 20 Nov 2024 16:21

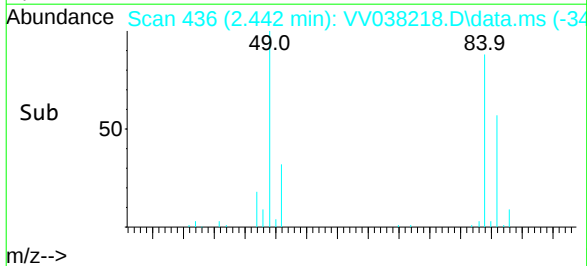
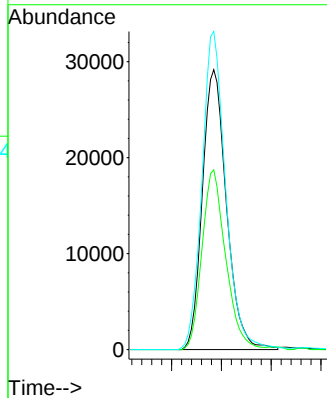
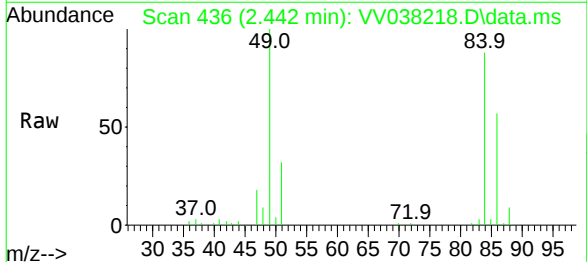
Instrument :
MSVOA_V
ClientSampleId :
BG3K2

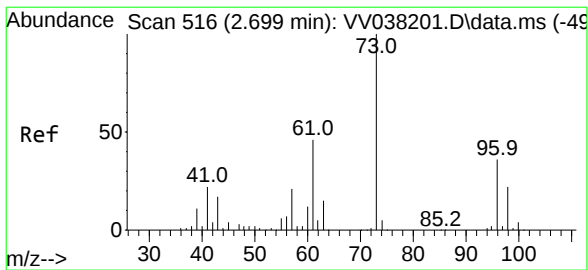
Tgt Ion: 96 Resp: 9804
Ion Ratio Lower Upper
96 100
61 195.2 115.7 214.9
63 503.1 101.1 187.7#



#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

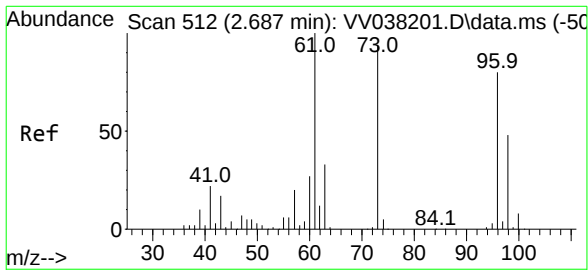
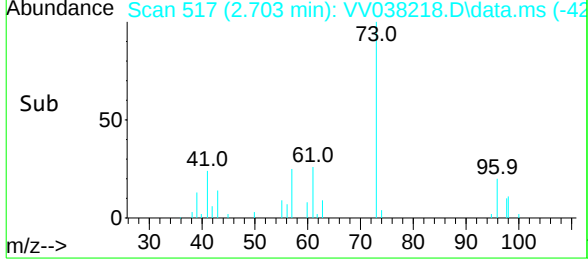
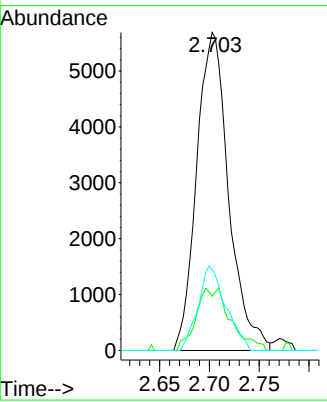
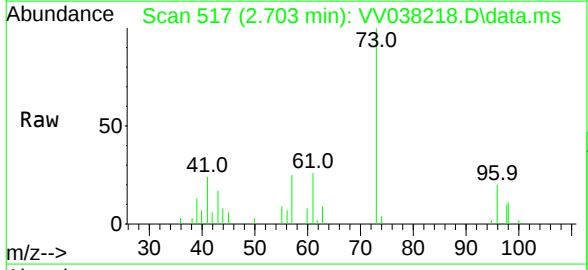




#17
Methyl tert-butyl Ether
Concen: 0.322 ug/L
RT: 2.703 min Scan# 511
Delta R.T. 0.003 min
Lab File: VV038218.D
Acq: 20 Nov 2024 16:21

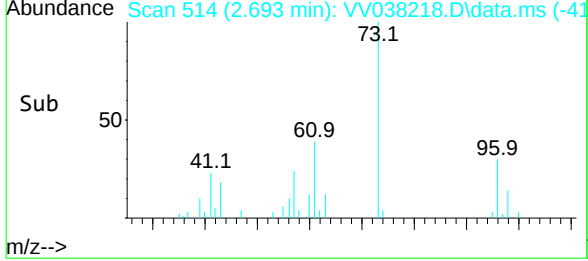
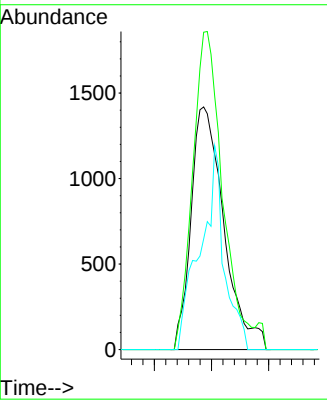
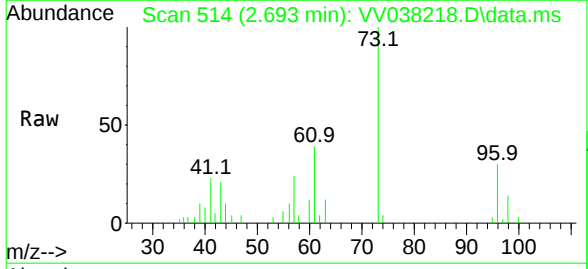
Instrument :
MSVOA_V
ClientSampleId :
BG3K2

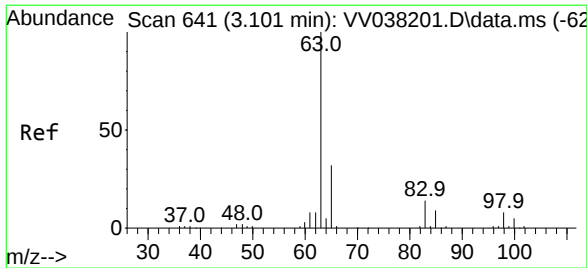
Tgt Ion: 73	Resp: 12725
Ion Ratio	Lower Upper
73 100	
43 10.3	14.2 21.2#
57 22.9	17.6 26.4



#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

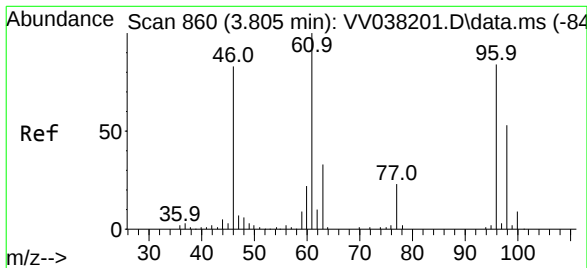
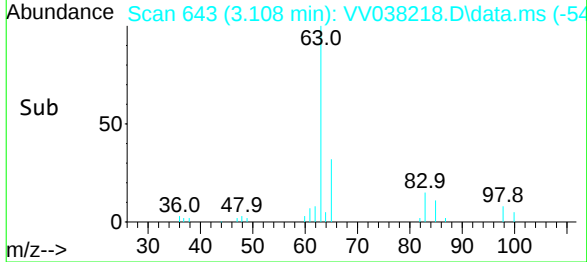
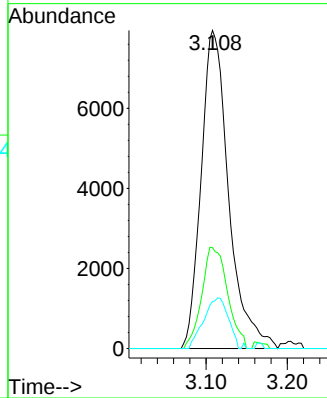
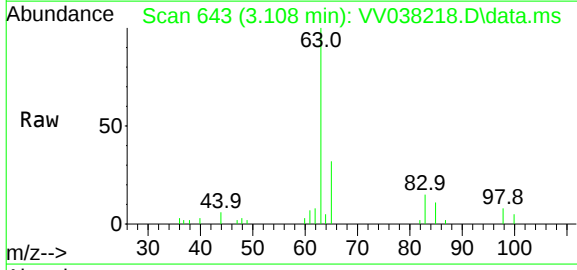




#19
1,1-Dichloroethane
Concen: 0.560 ug/L
RT: 3.108 min Scan# 641
Delta R.T. 0.007 min
Lab File: VV038218.D
Acq: 20 Nov 2024 16:21

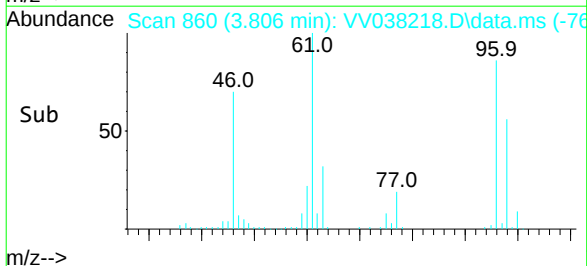
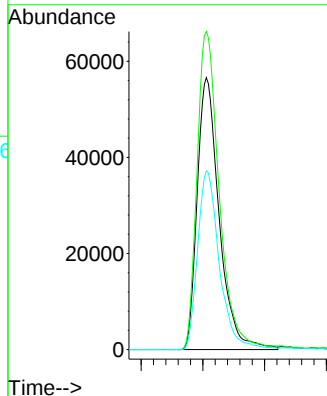
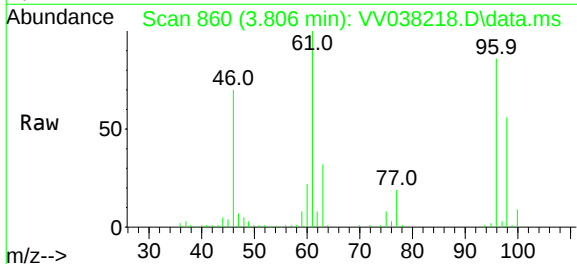
Instrument :
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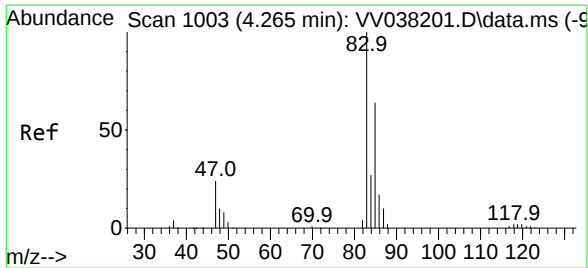
Tgt Ion:	63	Resp:	18713
Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.5	41.7
83	14.7	10.1	18.9



#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# 10

Delta R.T. 0.010 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

Instrument :

MSVOA_V

ClientSampleId :

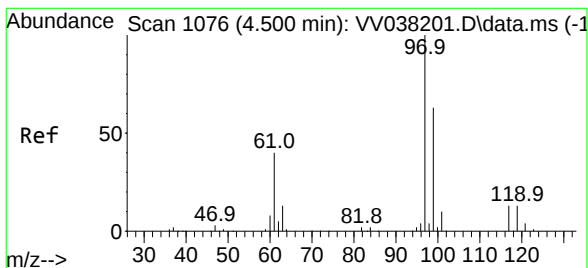
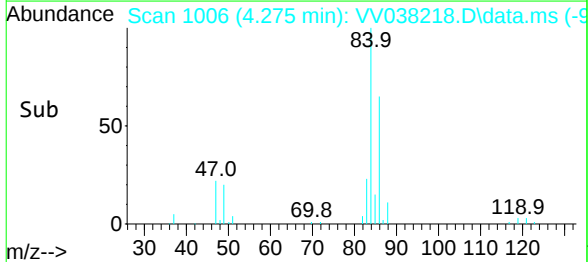
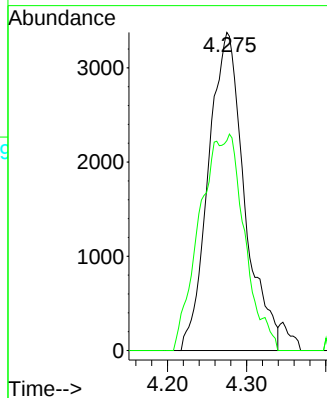
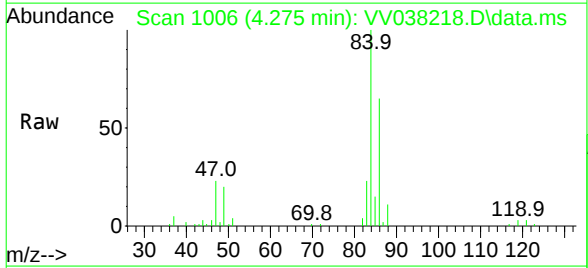
BG3K2

Tgt Ion: 83 Resp: 10682

Ion Ratio Lower Upper

83 100

85 66.0 46.5 86.3



#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

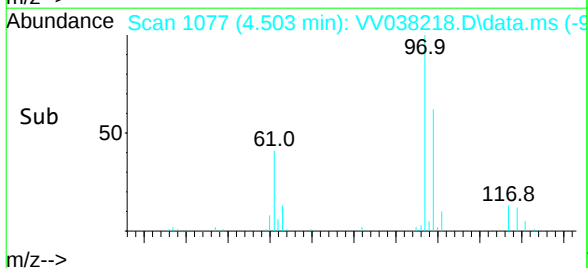
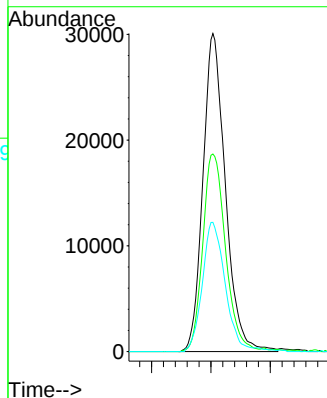
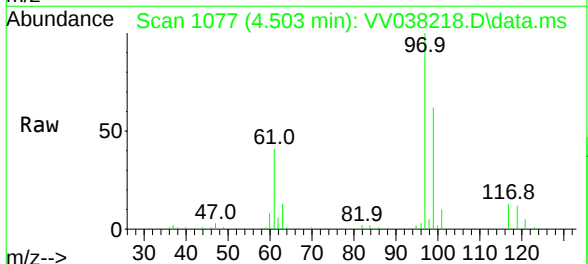
Tgt Ion: 97 Resp: 79084

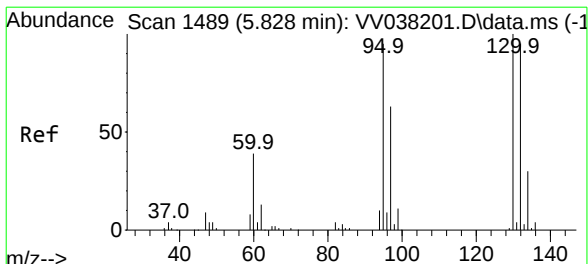
Ion Ratio Lower Upper

97 100

99 62.9 51.8 77.8

61 41.6 32.2 48.2



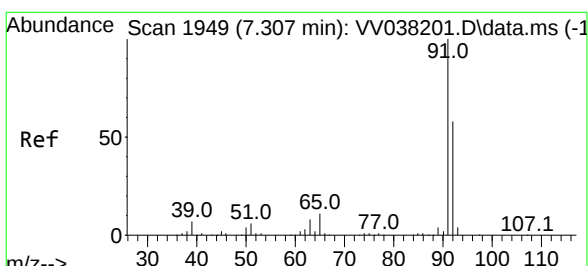
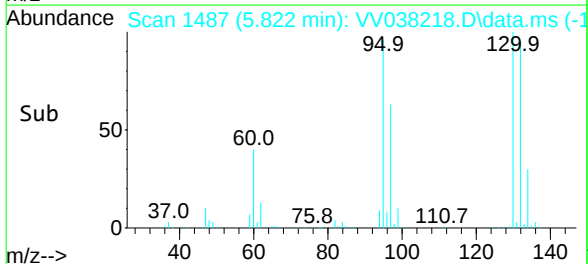
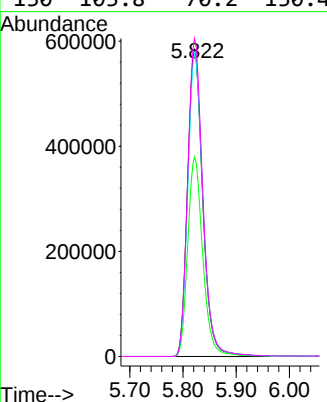
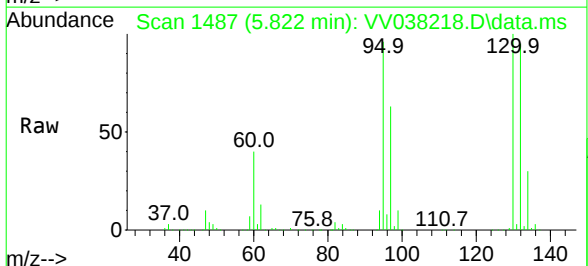


#34
 Trichloroethene
 Concen: 57.456 ug/L
 RT: 5.822 min Scan# 14
 Delta R.T. -0.006 min
 Lab File: VV038218.D
 Acq: 20 Nov 2024 16:21

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3K2

Tgt Ion: 95 Resp: 1158834

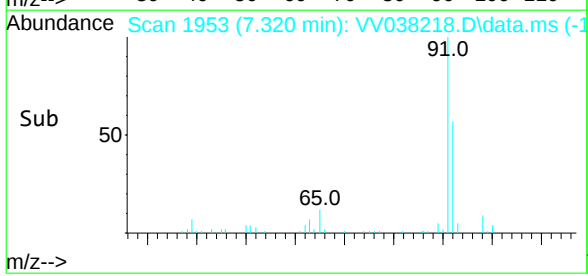
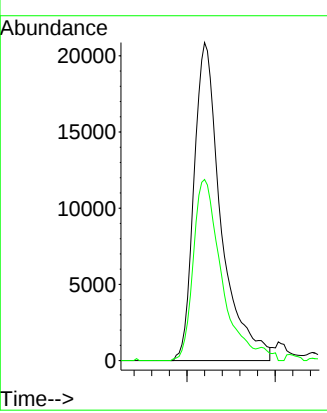
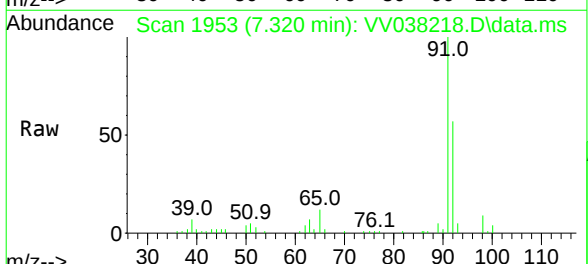
Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.8	83.2
132	99.1	68.3	126.8
130	103.8	70.2	130.4

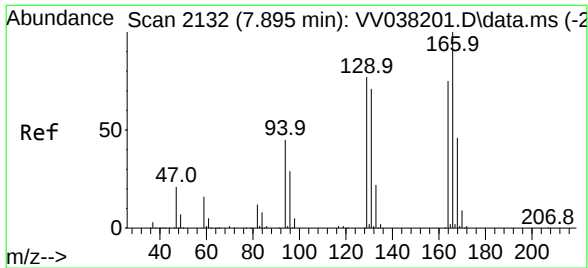


#42
 Toluene
 Concen: 0.568 ug/L
 RT: 7.320 min Scan# 1953
 Delta R.T. 0.013 min
 Lab File: VV038218.D
 Acq: 20 Nov 2024 16:21

Tgt Ion: 91 Resp: 44487

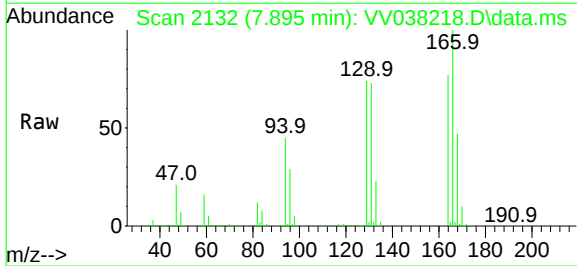
Ion	Ratio	Lower	Upper
91	100		
92	57.0	40.8	75.8



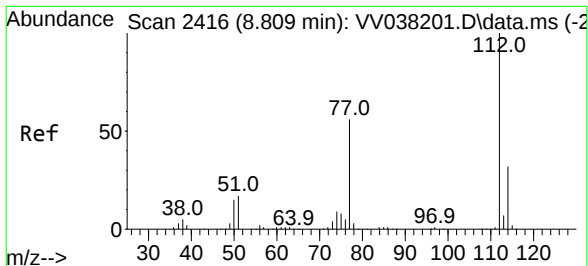
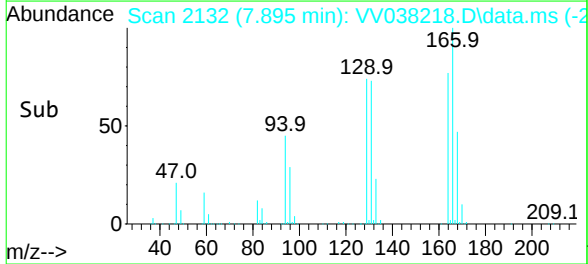
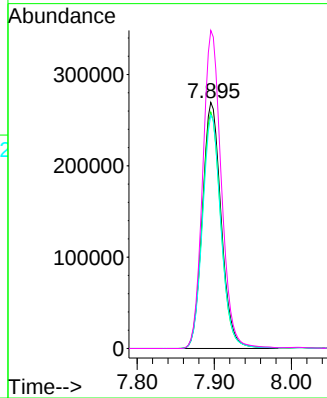


#47
Tetrachloroethene
Concen: 28.123 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV038218.D
Acq: 20 Nov 2024 16:21

Instrument :
MSVOA_V
ClientSampleId :
BG3K2

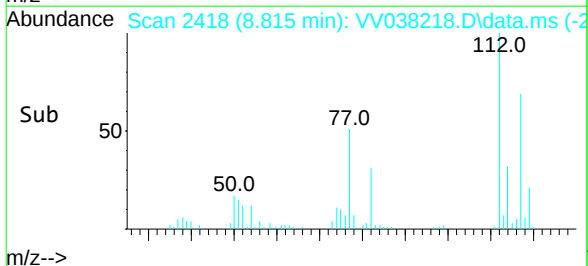
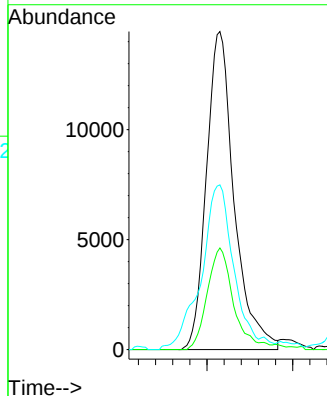
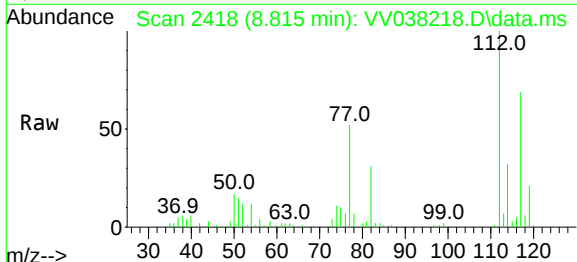


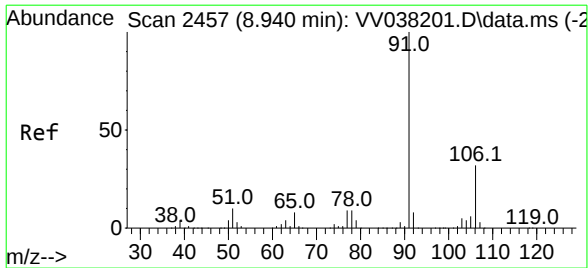
Tgt Ion:164 Resp: 455785
Ion Ratio Lower Upper
164 100
129 96.0 68.5 127.1
131 94.8 64.8 120.4
166 129.2 88.3 163.9



#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

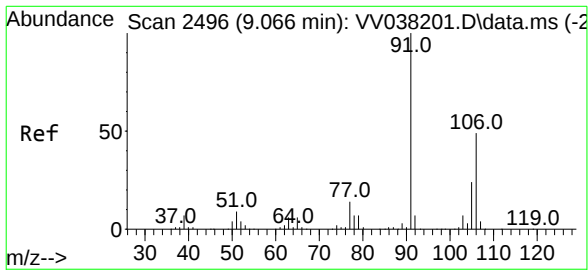
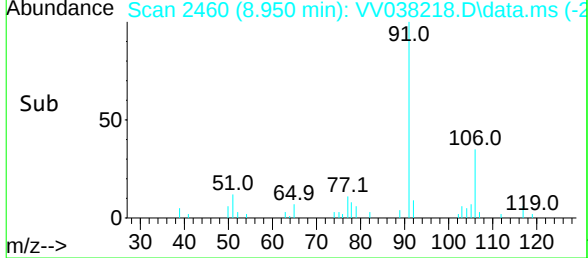
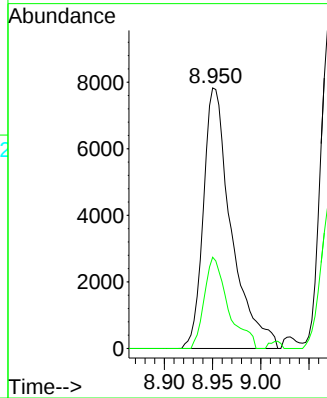
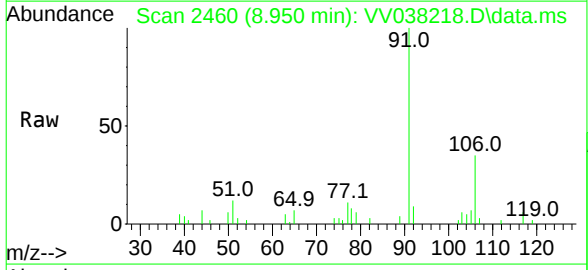




#52
 Ethylbenzene
 Concen: 0.189 ug/L
 RT: 8.950 min Scan# 2457
 Delta R.T. 0.010 min
 Lab File: VV038218.D
 Acq: 20 Nov 2024 16:21

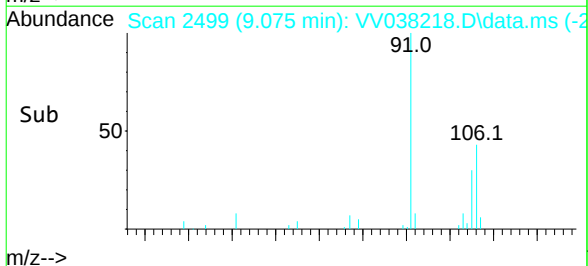
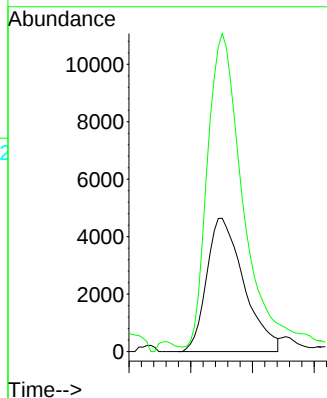
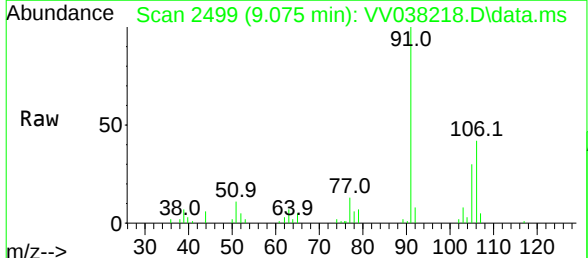
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3K2

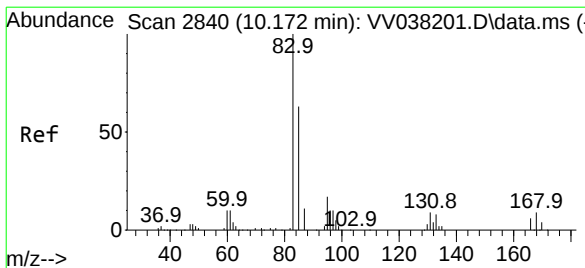
Tgt Ion: 91 Resp: 15720
 Ion Ratio Lower Upper
 91 100
 106 35.0 21.8 40.4



#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# 2840

Delta R.T. 0.000 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

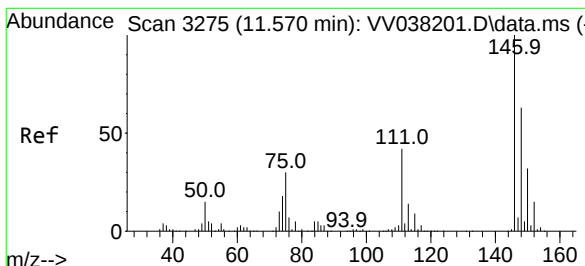
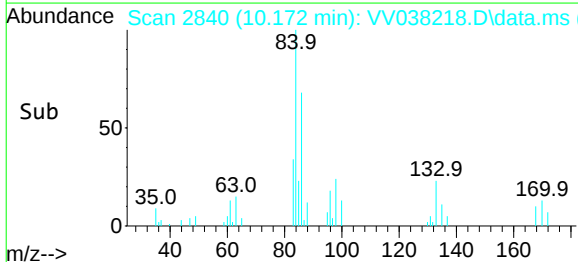
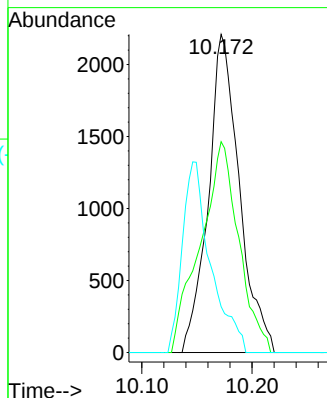
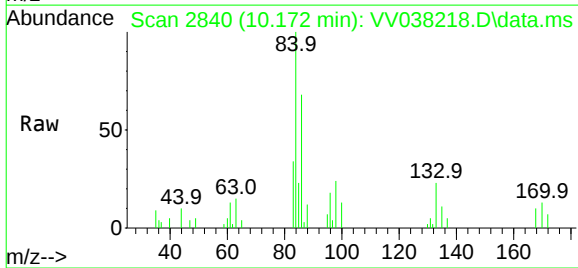
Instrument :

MSVOA_V

ClientSampleId :

BG3K2

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



#67

1,2-Dichlorobenzene

Concen: 0.423 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV038218.D

Acq: 20 Nov 2024 16:21

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

