

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051623\
 Data File : VW031055.D
 Acq On : 16 May 2023 16:03
 Operator : SY/MD
 Sample : 02768-05RE
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 17 01:45:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 17 01:41:23 2023
 Response via : Initial Calibration

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

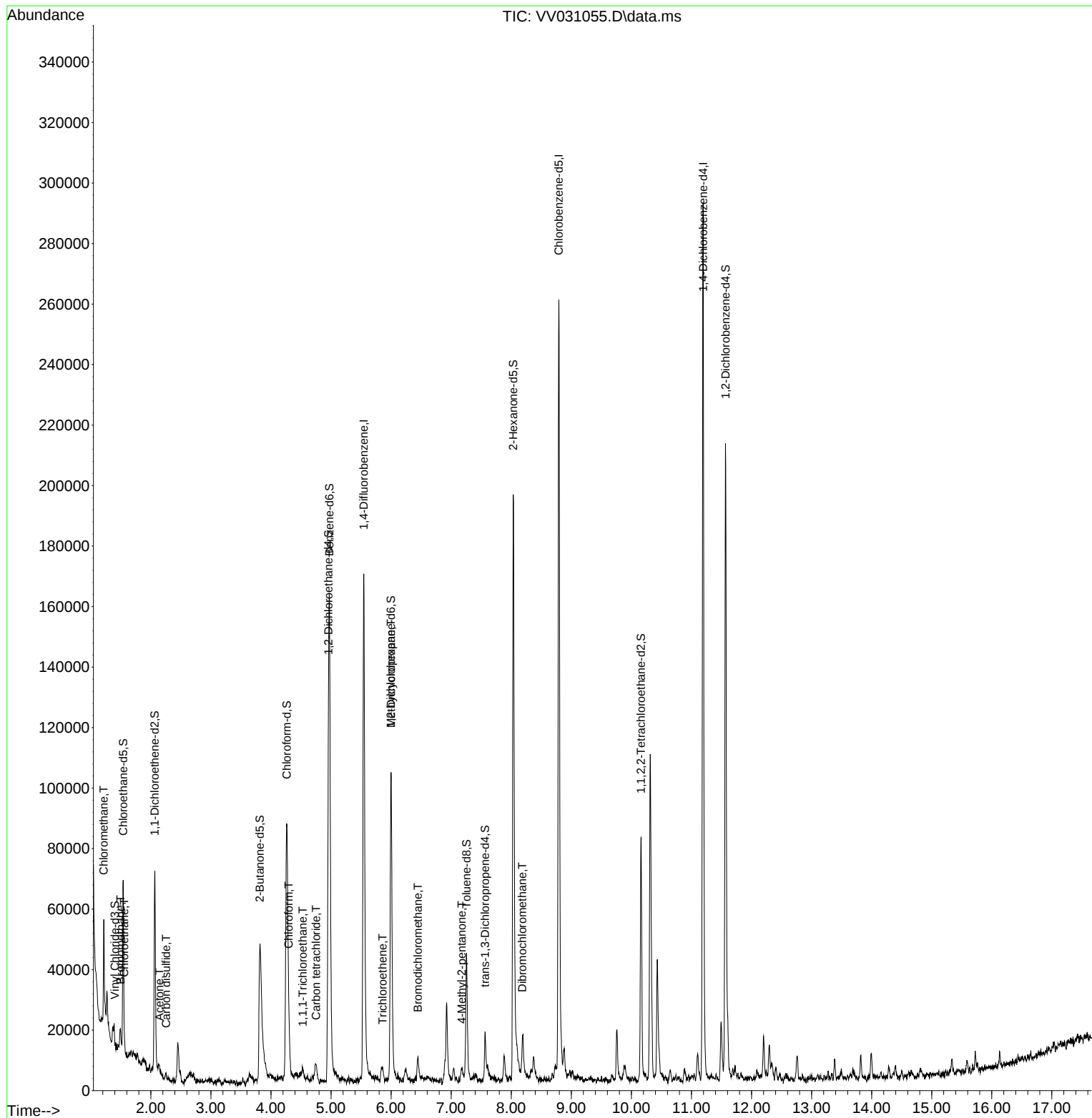
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	144593	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	137489	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	76942	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.401	65	215	0.018	ug/L	0.12
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.400%#
7) Chloroethane-d5	1.539	69	35382	3.641	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.800%
11) 1,1-Dichloroethene-d2	2.063	65	10110	1.604	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	32.000%#
20) 2-Butanone-d5	3.815	46	91289	43.213	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.420%
24) Chloroform-d	4.262	84	88392	3.734	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.600%
26) 1,2-Dichloroethane-d4	4.957	65	46914	3.898	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.000%
32) Benzene-d6	4.973	84	140437	3.485	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.600%#
36) 1,2-Dichloropropane-d6	5.998	67	43111	3.679	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.600%
41) Toluene-d8	7.256	98	29858	0.778	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	15.600%#
43) trans-1,3-Dichloroprop...	7.564	79	9207	2.096	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	42.000%#
46) 2-Hexanone-d5	8.034	63	67376	43.777	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.560%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	34135	4.019	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	11.567	152	55135	3.844	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.800%#
Target Compounds						Qvalue
3) Chloromethane	1.217	50	21170	1.579	ug/L	99
6) Bromomethane	1.494	94	3102	0.580	ug/L	97
8) Chloroethane	1.555	64	1308	0.192	ug/L	93
13) Acetone	2.143	43	5513	3.055	ug/L	81
14) Carbon disulfide	2.253	76	3373	0.132	ug/L #	87
25) Chloroform	4.294	83	13562	0.736	ug/L	95
29) 1,1,1-Trichloroethane	4.529	97	1850	0.107	ug/L #	81
31) Carbon tetrachloride	4.751	117	4478	0.289	ug/L	98
34) Trichloroethene	5.857	95	1146	0.124	ug/L	85
35) Methylcyclohexane	5.998	83	12065	0.844	ug/L #	18
38) Bromodichloromethane	6.445	83	4880	0.406	ug/L #	85
40) 4-Methyl-2-pentanone	7.175	43	5335	1.255	ug/L #	48
49) Dibromochloromethane	8.185	129	3033	0.396	ug/L	93

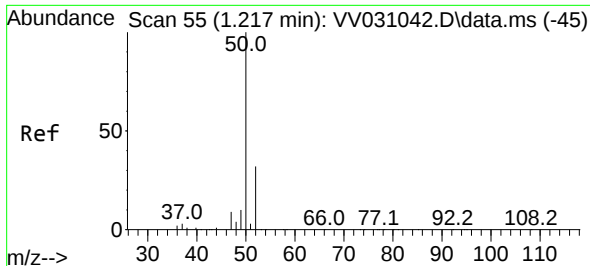
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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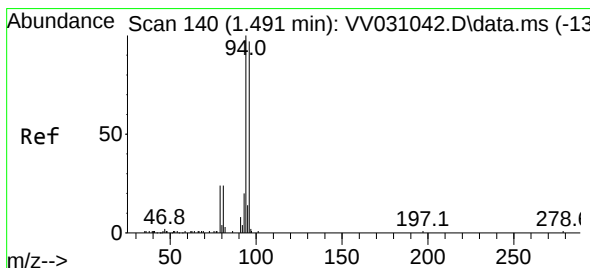
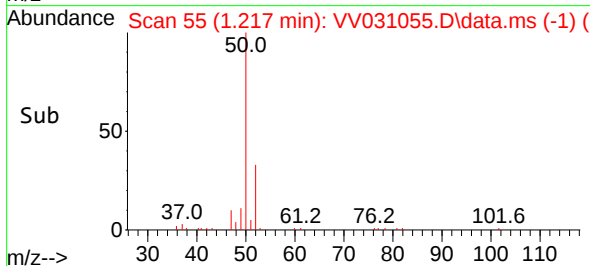
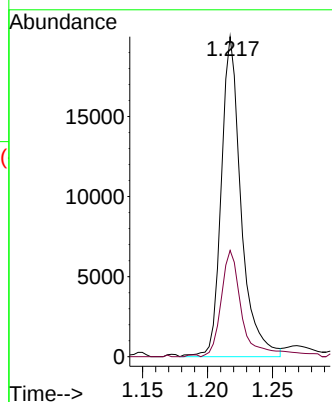
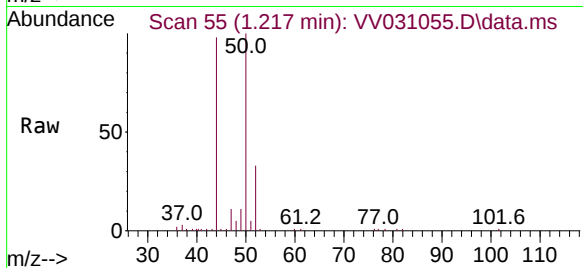




#3
Chloromethane
Concen: 1.579 ug/L
RT: 1.217 min Scan# 50
Delta R.T. -0.000 min
Lab File: VV031055.D
Acq: 16 May 2023 16:03

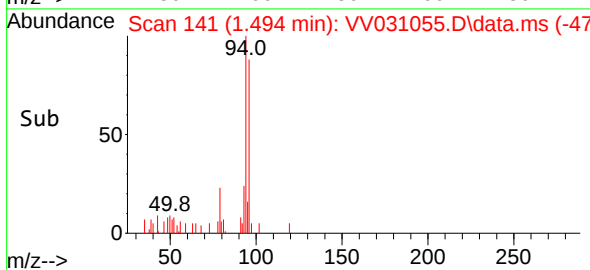
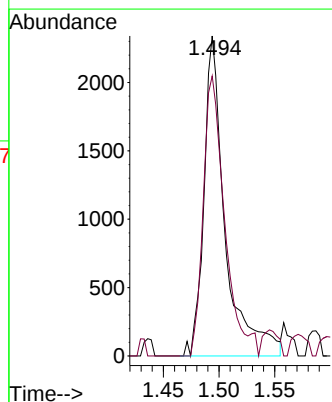
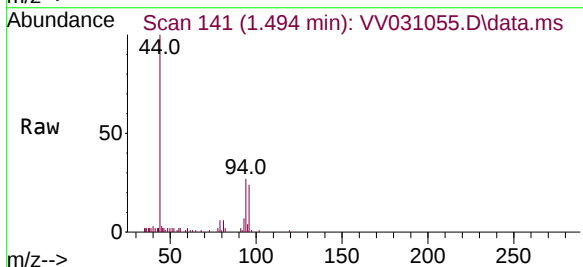
Instrument :
MSVOA_V
ClientSampleId :

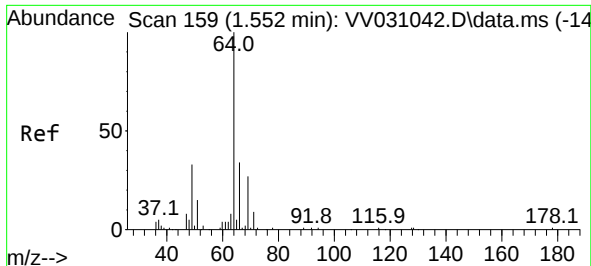
Tgt Ion: 50 Resp: 21170
Ion Ratio Lower Upper
50 100
52 33.2 22.8 42.4



#6
Bromomethane
Concen: 0.580 ug/L
RT: 1.494 min Scan# 141
Delta R.T. 0.003 min
Lab File: VV031055.D
Acq: 16 May 2023 16:03

Tgt Ion: 94 Resp: 3102
Ion Ratio Lower Upper
94 100
96 87.5 63.4 117.8

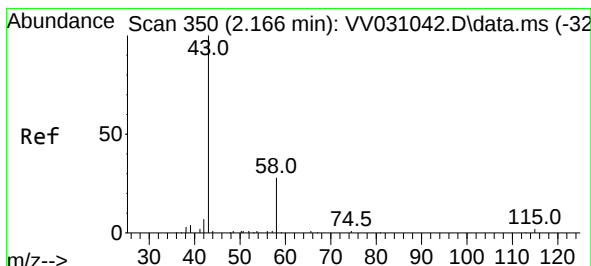
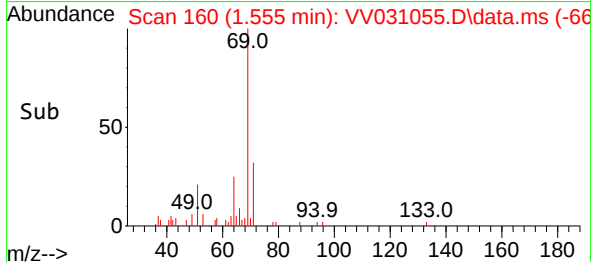
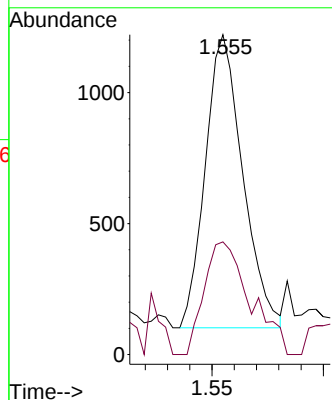
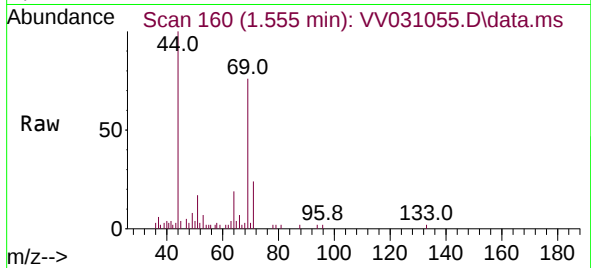




#8
Chloroethane
Concen: 0.192 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV031055.D
Acq: 16 May 2023 16:03

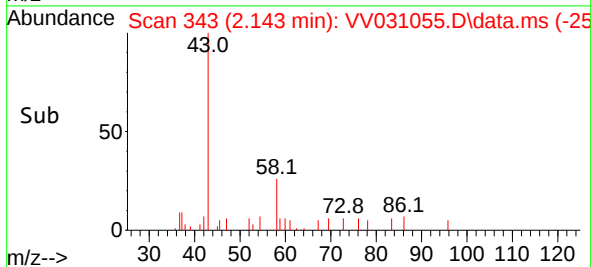
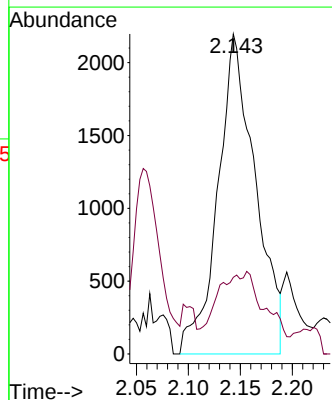
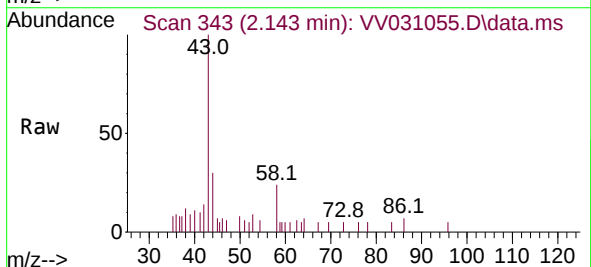
Instrument :
MSVOA_V
ClientSampleId :

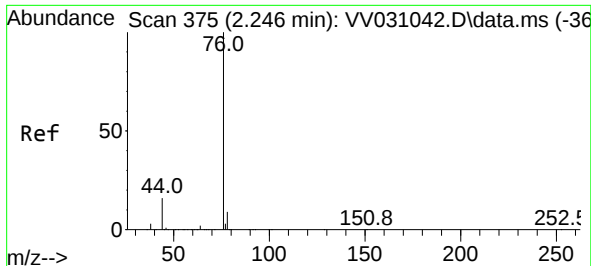
Tgt Ion: 64 Resp: 1308
Ion Ratio Lower Upper
64 100
66 35.2 22.1 41.1



#13
Acetone
Concen: 3.055 ug/L
RT: 2.143 min Scan# 343
Delta R.T. -0.023 min
Lab File: VV031055.D
Acq: 16 May 2023 16:03

Tgt Ion: 43 Resp: 5513
Ion Ratio Lower Upper
43 100
58 10.0 0.0 37.0

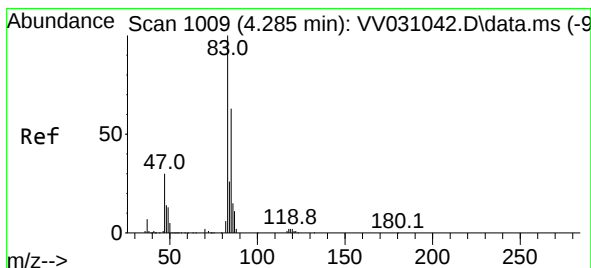
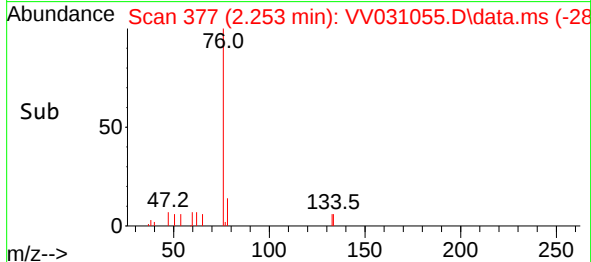
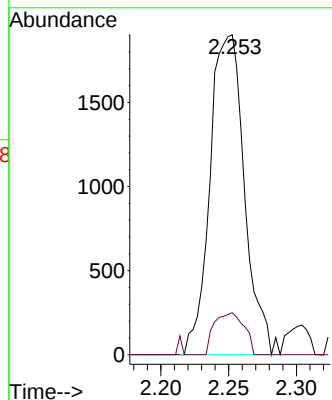
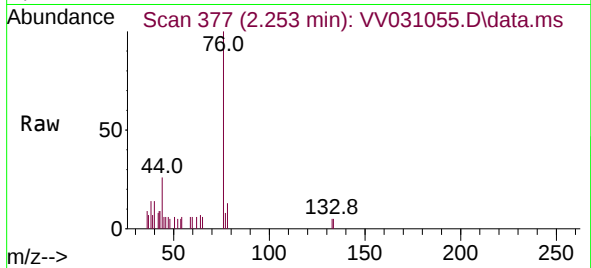




#14
Carbon disulfide
Concen: 0.132 ug/L
RT: 2.253 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV031055.D
Acq: 16 May 2023 16:03

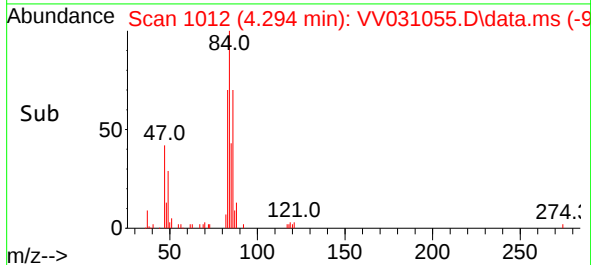
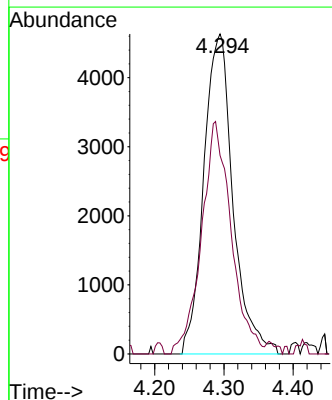
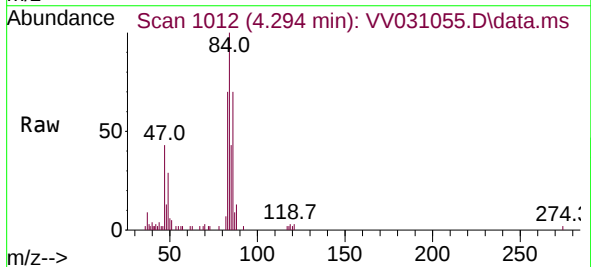
Instrument :
MSVOA_V
ClientSampleId :

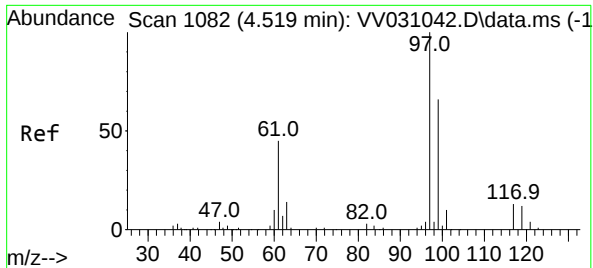
Tgt Ion: 76 Resp: 3373
Ion Ratio Lower Upper
76 100
78 13.1 6.8 10.2#



#25
Chloroform
Concen: 0.736 ug/L
RT: 4.294 min Scan# 1012
Delta R.T. 0.010 min
Lab File: VV031055.D
Acq: 16 May 2023 16:03

Tgt Ion: 83 Resp: 13562
Ion Ratio Lower Upper
83 100
85 62.1 46.4 86.2





#29

1,1,1-Trichloroethane

Concen: 0.107 ug/L

RT: 4.529 min Scan# 1105

Delta R.T. 0.010 min

Lab File: VV031055.D

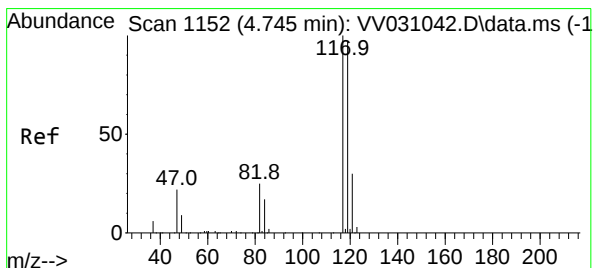
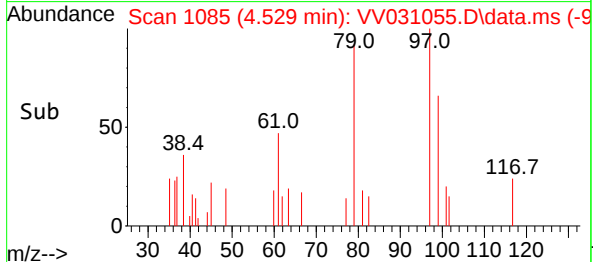
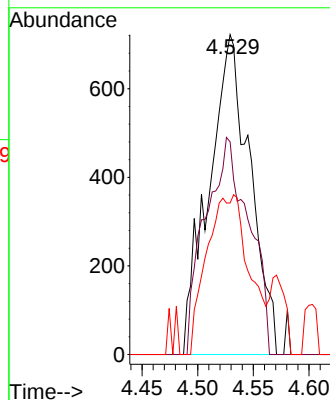
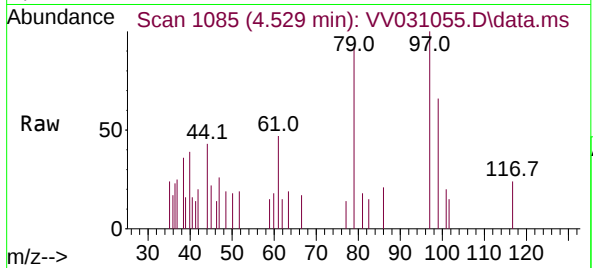
Acq: 16 May 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	97	Resp:	1850
Ion	Ratio	Lower	Upper
97	100		
99	72.2	51.4	77.2
61	25.9	37.4	56.0



#31

Carbon tetrachloride

Concen: 0.289 ug/L

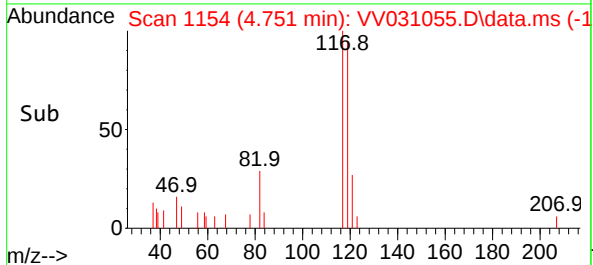
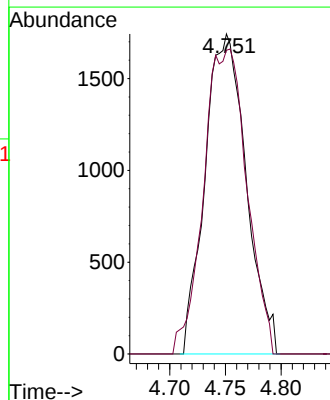
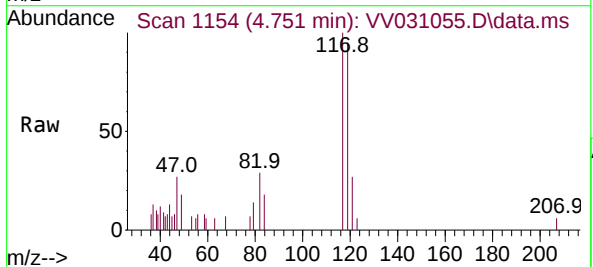
RT: 4.751 min Scan# 1154

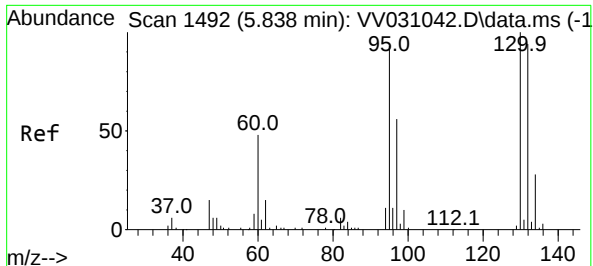
Delta R.T. 0.006 min

Lab File: VV031055.D

Acq: 16 May 2023 16:03

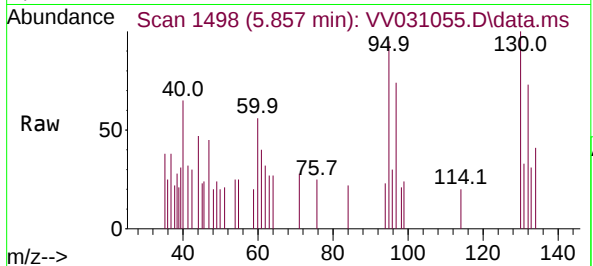
Tgt Ion:	117	Resp:	4478
Ion	Ratio	Lower	Upper
117	100		
119	100.1	78.4	117.6



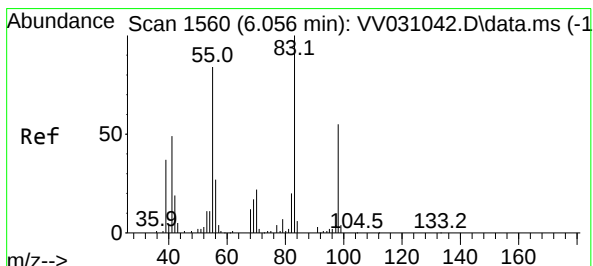
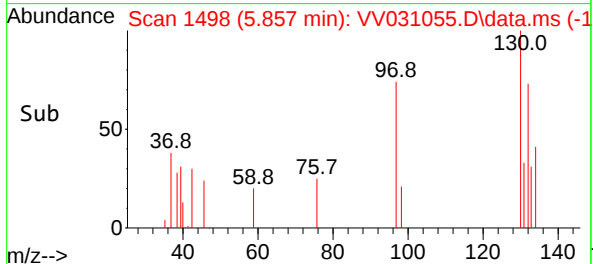
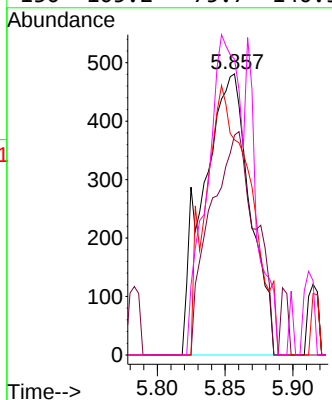


#34
 Trichloroethene
 Concen: 0.124 ug/L
 RT: 5.857 min Scan# 1498
 Delta R.T. 0.019 min
 Lab File: VV031055.D
 Acq: 16 May 2023 16:03

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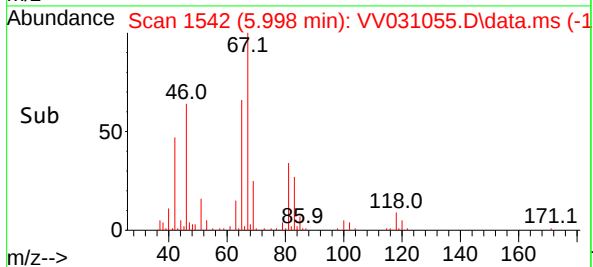
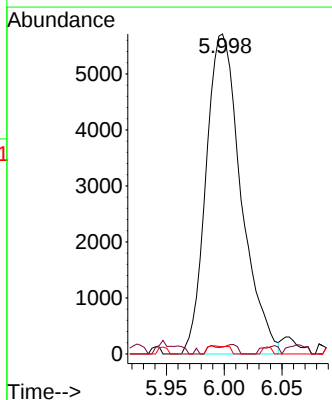
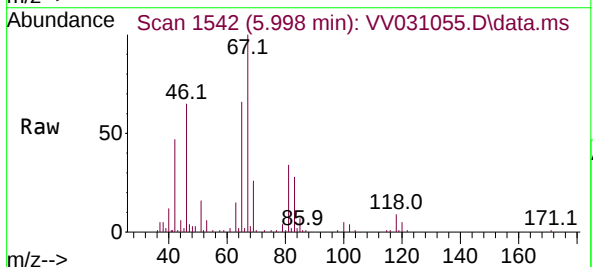


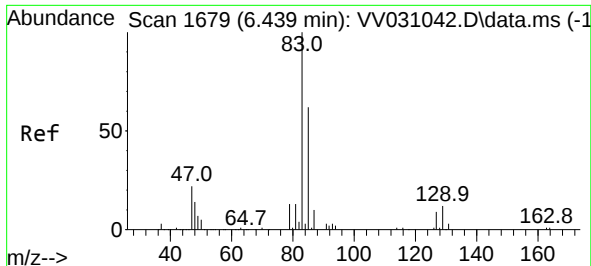
Tgt Ion: 95	Resp: 1146
Ion Ratio	Lower Upper
95 100	
97 78.2	46.2 85.8
132 76.5	72.7 135.1
130 105.2	75.7 140.5



#35
 Methylcyclohexane
 Concen: 0.844 ug/L
 RT: 5.998 min Scan# 1542
 Delta R.T. -0.058 min
 Lab File: VV031055.D
 Acq: 16 May 2023 16:03

Tgt Ion: 83	Resp: 12065
Ion Ratio	Lower Upper
83 100	
55 1.2	62.9 94.3#
98 0.0	40.5 60.7#





#38

Bromodichloromethane

Concen: 0.406 ug/L

RT: 6.445 min Scan# 1

Delta R.T. 0.006 min

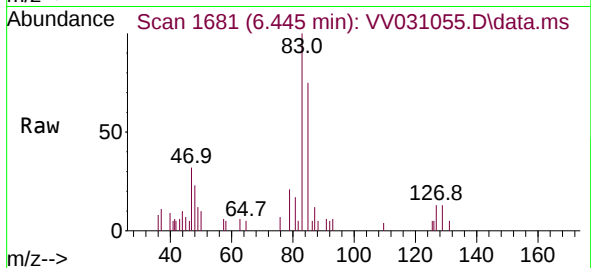
Lab File: VV031055.D

Acq: 16 May 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :



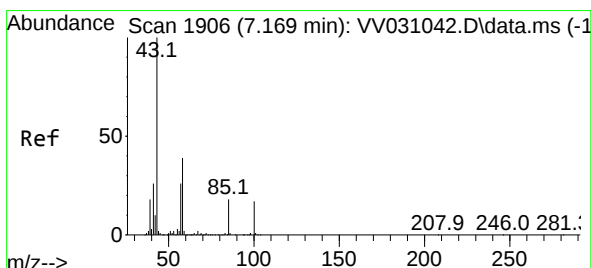
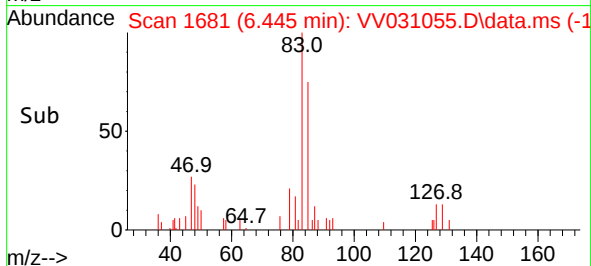
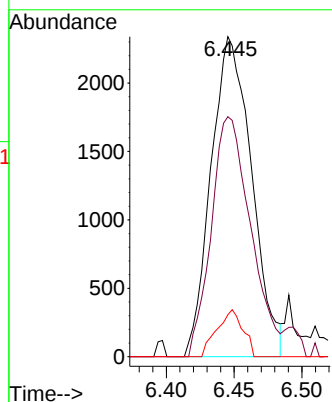
Tgt Ion: 83 Resp: 4880

Ion Ratio Lower Upper

83 100

85 75.0 44.4 82.4

127 13.1 6.6 9.8#



#40

4-Methyl-2-pentanone

Concen: 1.255 ug/L

RT: 7.175 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VV031055.D

Acq: 16 May 2023 16:03

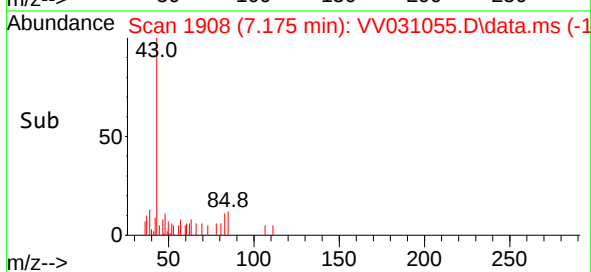
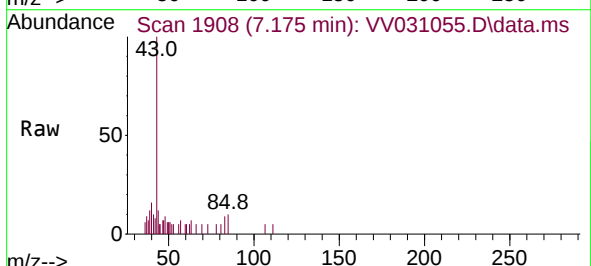
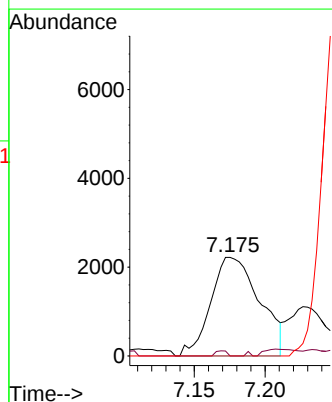
Tgt Ion: 43 Resp: 5335

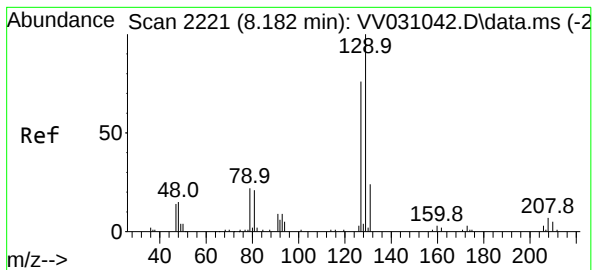
Ion Ratio Lower Upper

43 100

58 1.2 28.3 42.5#

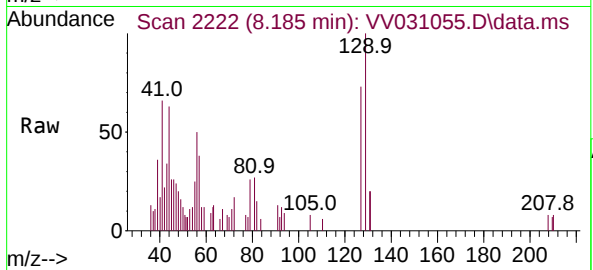
100 0.0 11.8 17.8#





#49
 Dibromochloromethane
 Concen: 0.396 ug/L
 RT: 8.185 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV031055.D
 Acq: 16 May 2023 16:03

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:129 Resp: 3033
 Ion Ratio Lower Upper
 129 100
 127 73.1 55.3 102.7

