

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092222\
 Data File : VW028077.D
 Acq On : 22 Sep 2022 22:43
 Operator : SY/MD
 Sample : N4652-02DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 23 04:52:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 23 04:38:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	175077	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	179869	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	83178	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	94981	5.233	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.600%
7) Chloroethane-d5	1.561	69	78295	5.426	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.600%
11) 1,1-Dichloroethene-d2	2.101	63	135643	4.309	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.200%
20) 2-Butanone-d5	3.870	46	152763	49.853	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.700%
24) Chloroform-d	4.343	84	150252	5.188	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
26) 1,2-Dichloroethane-d4	5.024	65	73220	5.313	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.200%
32) Benzene-d6	5.043	84	295383	5.008	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	6.066	67	97416	5.298	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.000%
41) Toluene-d8	7.314	98	251749	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	7.622	79	30701	4.623	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.085	63	132571	47.826	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.660%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	62722	4.991	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	87798	5.381	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.237	50	665	0.038	ug/L #	40
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	1317	0.106	ug/L #	22
12) 1,1-Dichloroethene	2.114	96	10311	0.852	ug/L #	1
14) Carbon disulfide	2.288	76	1824	0.079	ug/L #	86
16) Methylene chloride	2.500	84	9258	0.685	ug/L	92
17) Methyl tert-butyl Ether	2.770	73	971	0.037	ug/L #	75
18) trans-1,2-Dichloroethene	2.754	96	1034	0.098	ug/L	92
19) 1,1-Dichloroethane	3.182	63	67521	2.922	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	8764	0.631	ug/L	76
25) Chloroform	4.362	83	3860	0.156	ug/L	94
29) 1,1,1-Trichloroethane	4.600	97	272608	12.335	ug/L	99
31) Carbon tetrachloride	4.600	117	36724	2.019	ug/L	98
34) Trichloroethene	5.918	95	5659	0.455	ug/L	94
35) Methylcyclohexane	6.063	83	22659	1.329	ug/L #	16
37) 1,2-Dichloropropane	6.063	63	10402	0.743	ug/L #	87
44) trans-1,3-Dichloropropene	7.625	75	1308	0.087	ug/L	85
47) Tetrachloroethene	7.976	164	8977	0.905	ug/L	98
49) Dibromochloromethane	7.973	129	8816	0.781	ug/L #	11
61) 1,2,3-Trichloropropane	11.243	75	8931	1.280	ug/L #	68

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QLast Update : Fri Sep 23 04:38:54 2022
Response via : Initial Calibration

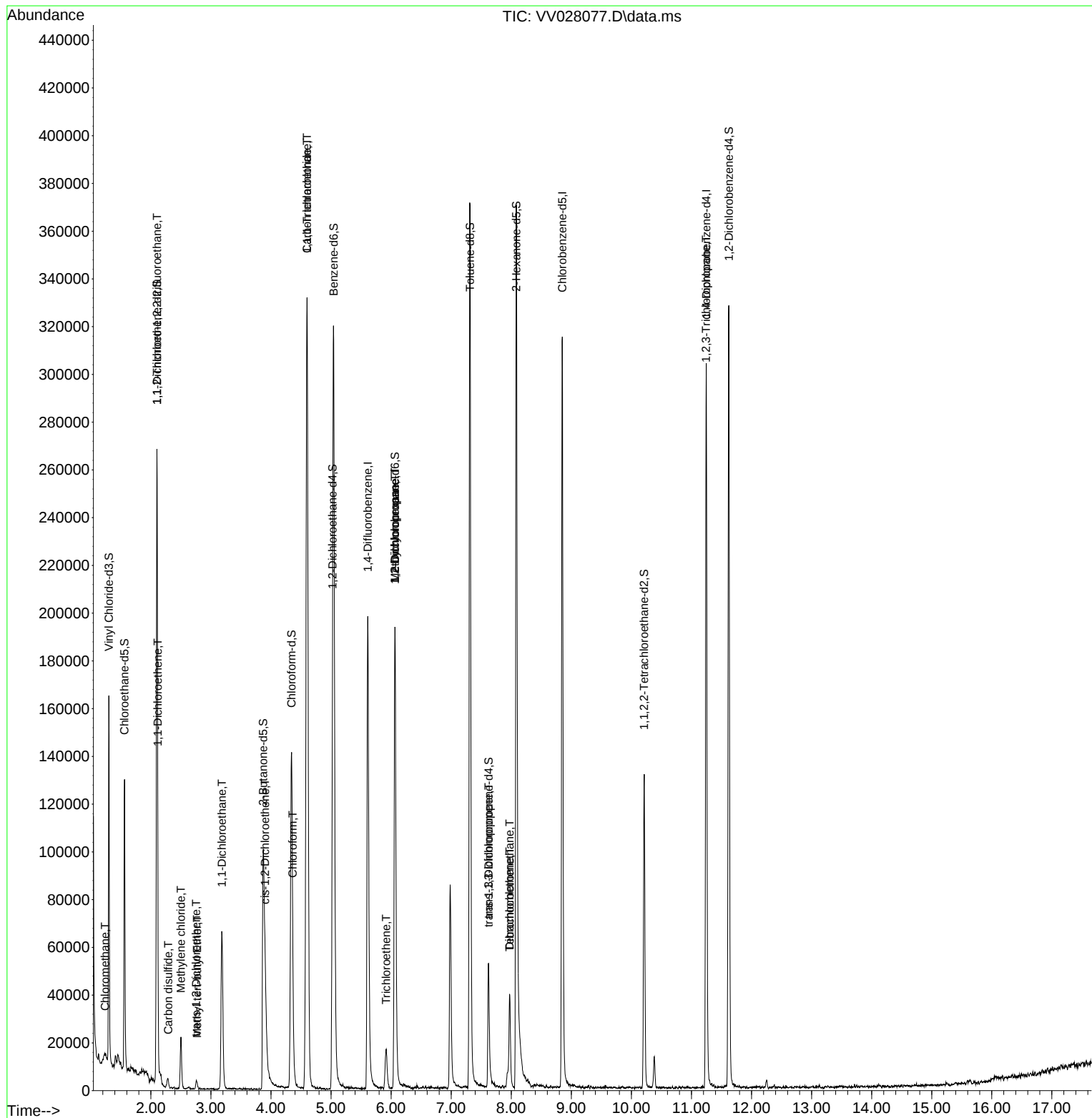
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

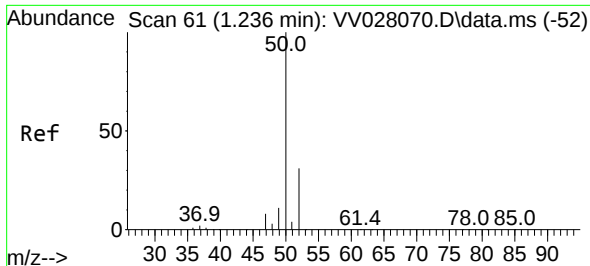
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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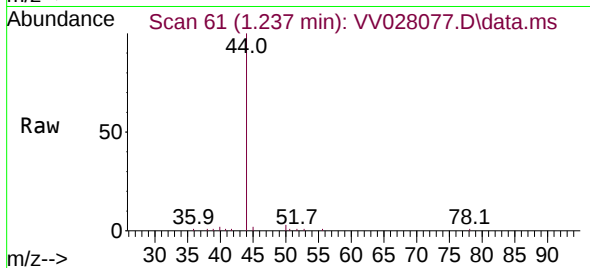
Quant Time: Sep 23 04:52:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
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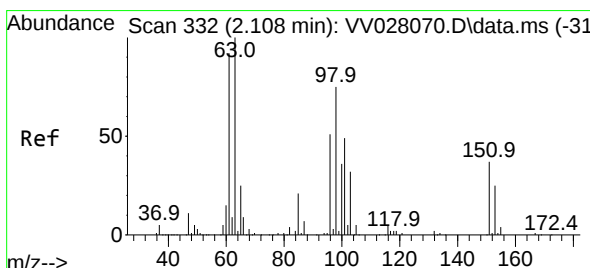
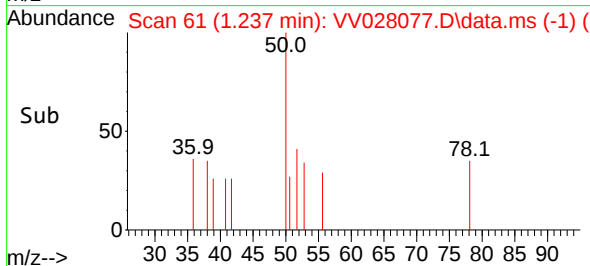
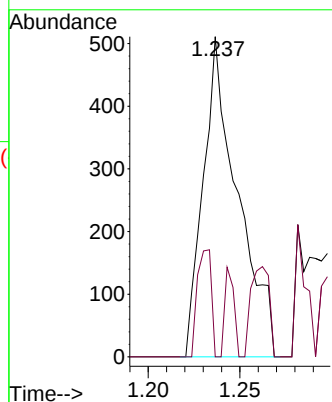


#3
Chloromethane
Concen: 0.038 ug/L
RT: 1.237 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV028077.D
Acq: 22 Sep 2022 22:43

Instrument :
MSVOA_V
ClientSampleId :

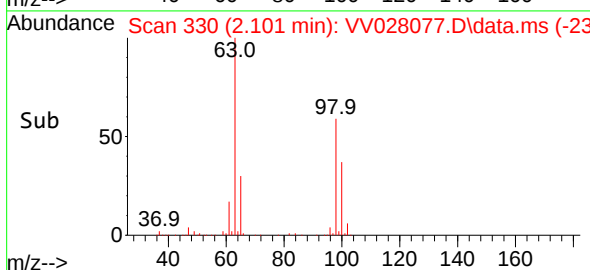
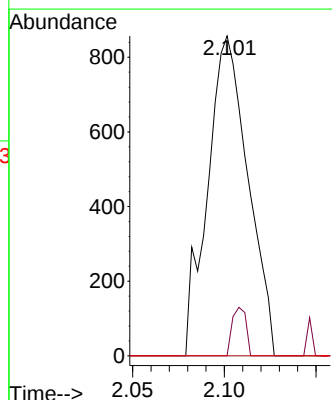
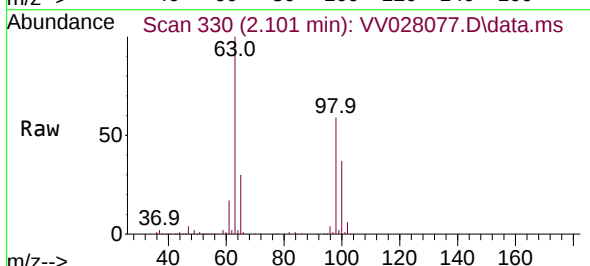


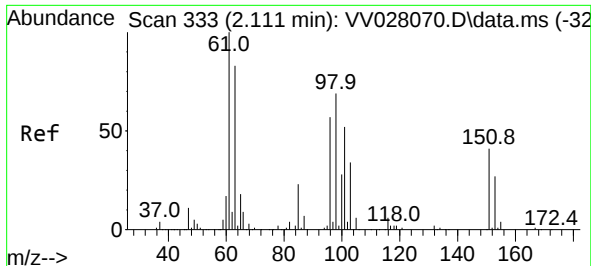
Tgt Ion: 50 Resp: 665
Ion Ratio Lower Upper
50 100
52 0.0 24.4 45.2#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.106 ug/L
RT: 2.101 min Scan# 330
Delta R.T. -0.006 min
Lab File: VV028077.D
Acq: 22 Sep 2022 22:43

Tgt Ion: 101 Resp: 1317
Ion Ratio Lower Upper
101 100
85 5.2 34.4 51.6#
151 0.0 61.1 91.7#





#12

1,1-Dichloroethene

Concen: 0.852 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.003 min

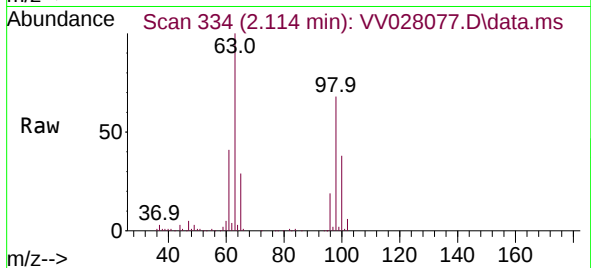
Lab File: VV028077.D

Acq: 22 Sep 2022 22:43

Instrument :

MSVOA_V

ClientSampleId :



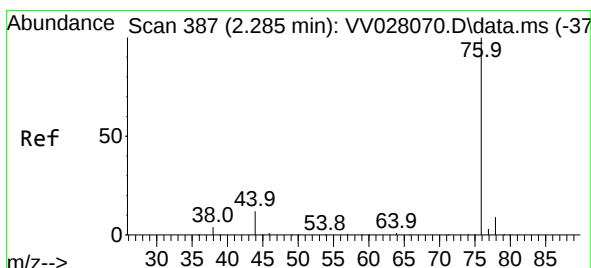
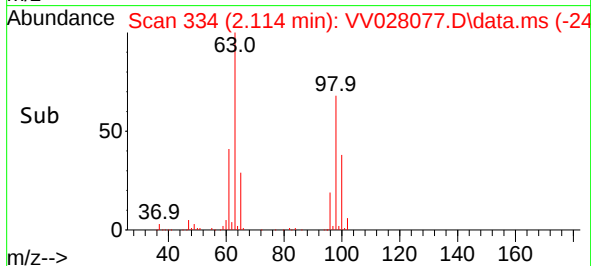
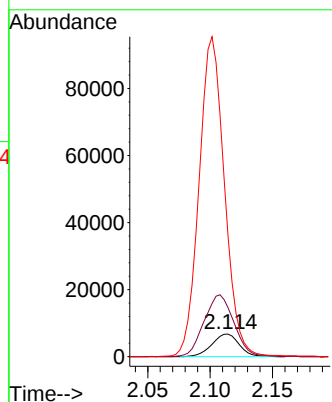
Tgt Ion: 96 Resp: 10311

Ion Ratio Lower Upper

96 100

61 217.3 128.3 238.3

63 535.0 112.7 209.3#



#14

Carbon disulfide

Concen: 0.079 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

Lab File: VV028077.D

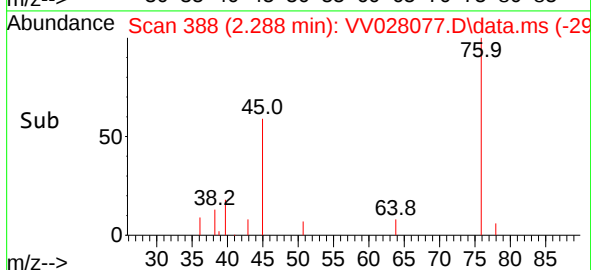
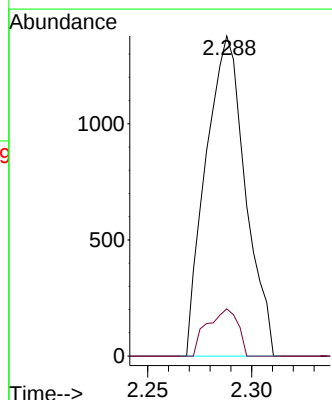
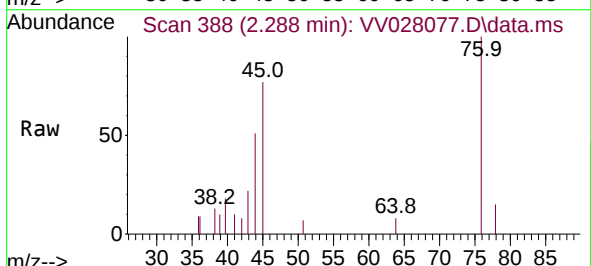
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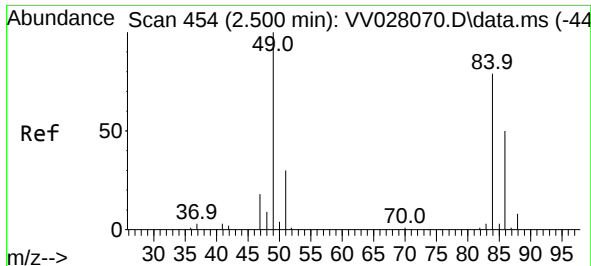
Tgt Ion: 76 Resp: 1824

Ion Ratio Lower Upper

76 100

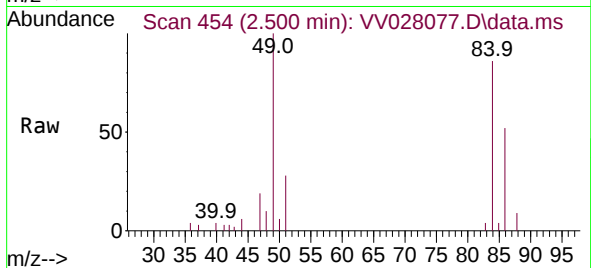
78 14.7 7.6 11.4#





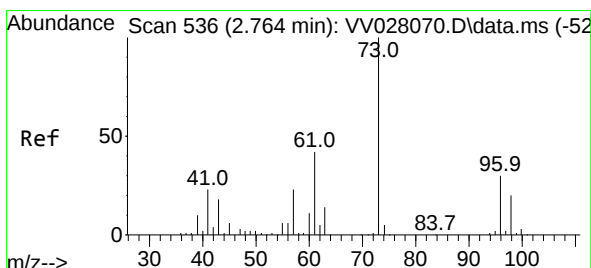
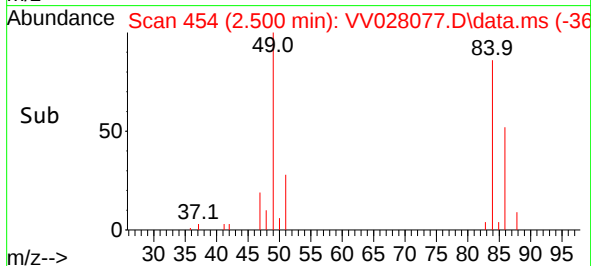
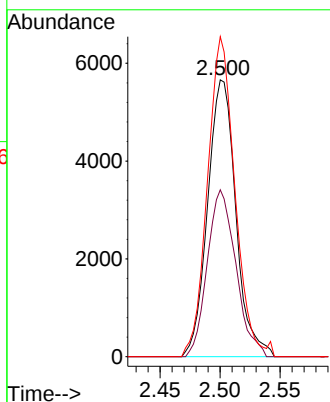
#16
Methylene chloride
Concen: 0.685 ug/L
RT: 2.500 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV028077.D
Acq: 22 Sep 2022 22:43

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 9258

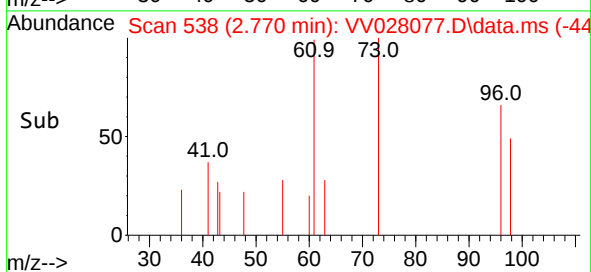
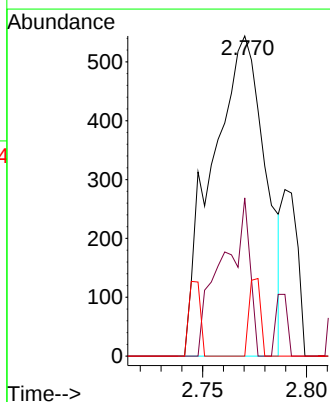
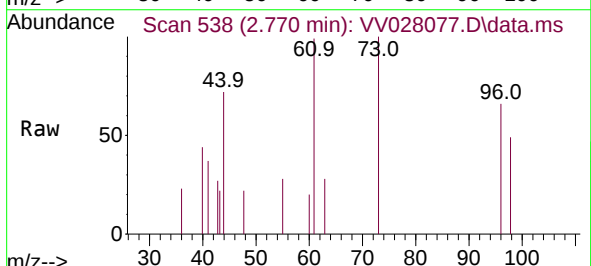
Ion	Ratio	Lower	Upper
84	100		
86	60.3	46.8	86.8
49	115.6	87.5	162.5

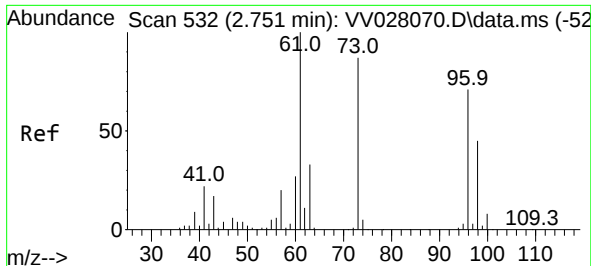


#17
Methyl tert-butyl Ether
Concen: 0.037 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.007 min
Lab File: VV028077.D
Acq: 22 Sep 2022 22:43

Tgt Ion: 73 Resp: 971

Ion	Ratio	Lower	Upper
73	100		
43	25.6	15.7	23.5#
57	5.1	17.8	26.8#

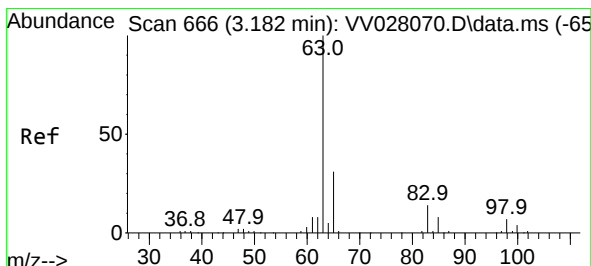
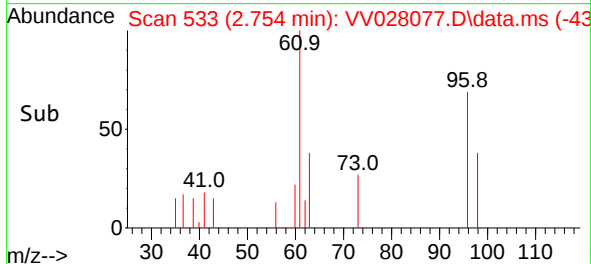
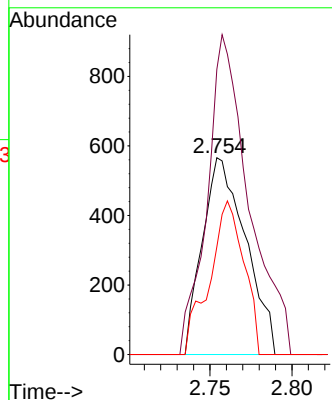
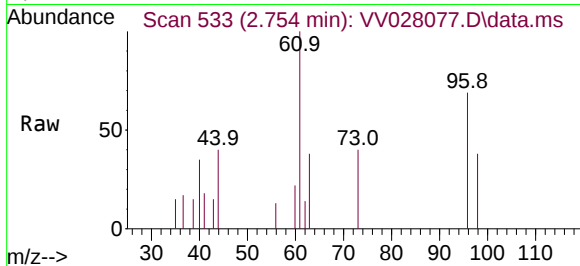




#18
trans-1,2-Dichloroethene
Concen: 0.098 ug/L
RT: 2.754 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV028077.D
Acq: 22 Sep 2022 22:43

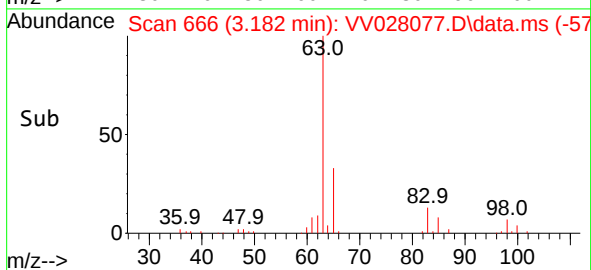
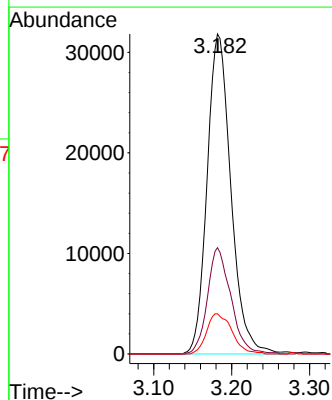
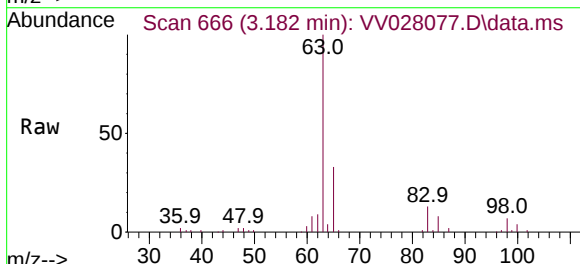
Instrument :
MSVOA_V
ClientSampleId :

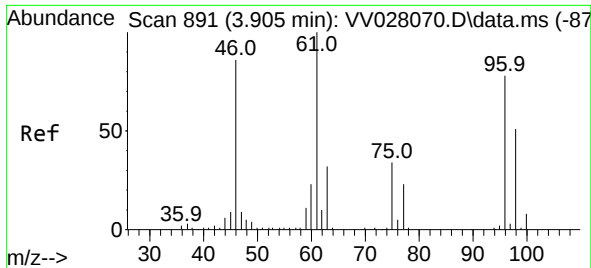
Tgt Ion: 96 Resp: 1034
Ion Ratio Lower Upper
96 100
61 144.9 96.2 178.6
98 54.8 45.7 84.9



#19
1,1-Dichloroethane
Concen: 2.922 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.000 min
Lab File: VV028077.D
Acq: 22 Sep 2022 22:43

Tgt Ion: 63 Resp: 67521
Ion Ratio Lower Upper
63 100
65 33.2 23.0 42.8
83 12.5 9.2 17.2

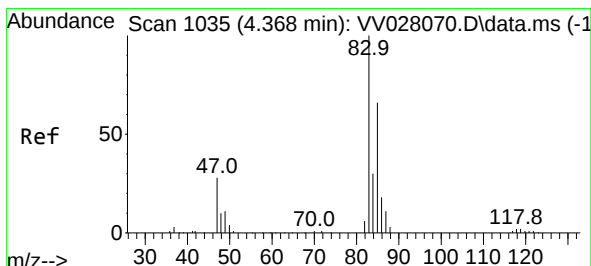
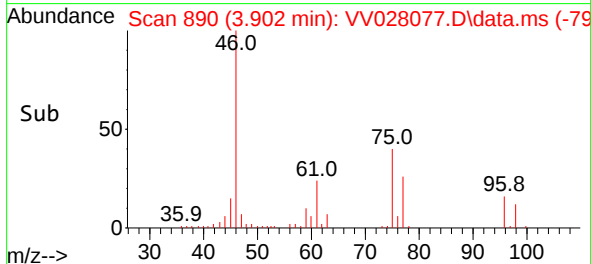
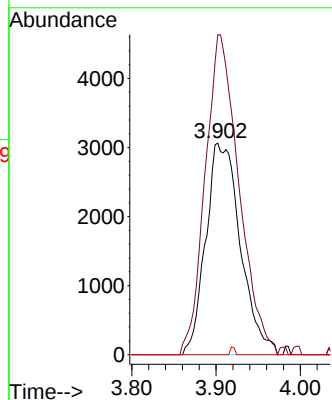
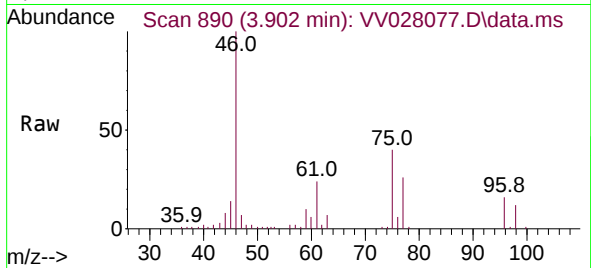




#22
 cis-1,2-Dichloroethene
 Concen: 0.631 ug/L
 RT: 3.902 min Scan# 891
 Delta R.T. -0.003 min
 Lab File: VV028077.D
 Acq: 22 Sep 2022 22:43

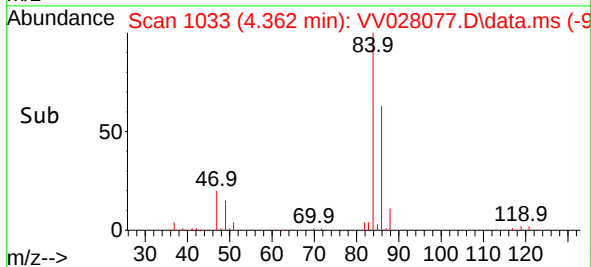
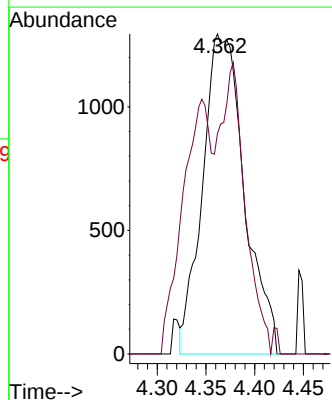
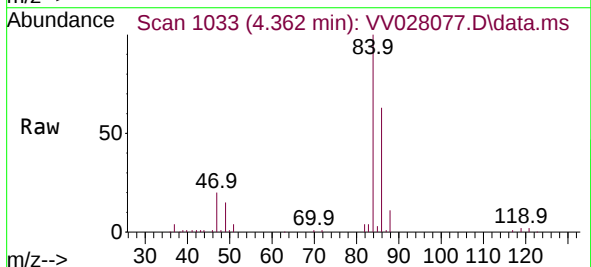
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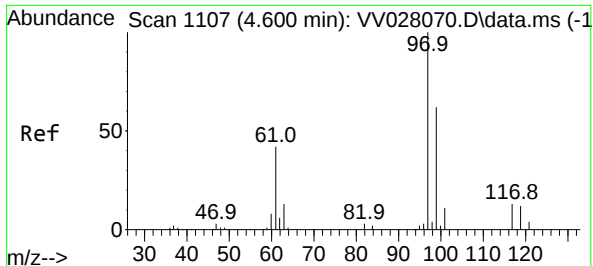
Tgt Ion: 96 Resp: 8764
 Ion Ratio Lower Upper
 96 100
 61 151.3 87.2 161.9
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.156 ug/L
 RT: 4.362 min Scan# 1033
 Delta R.T. -0.006 min
 Lab File: VV028077.D
 Acq: 22 Sep 2022 22:43

Tgt Ion: 83 Resp: 3860
 Ion Ratio Lower Upper
 83 100
 85 68.9 45.1 83.7





#29

1,1,1-Trichloroethane

Concen: 12.335 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VV028077.D

Acq: 22 Sep 2022 22:43

Instrument :

MSVOA_V

ClientSampleId :

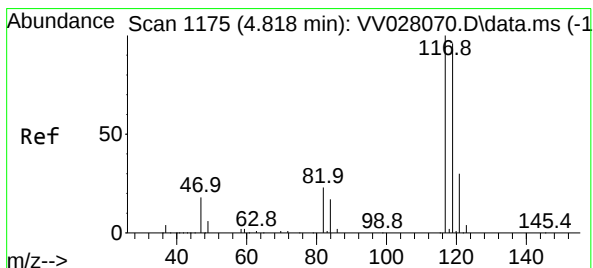
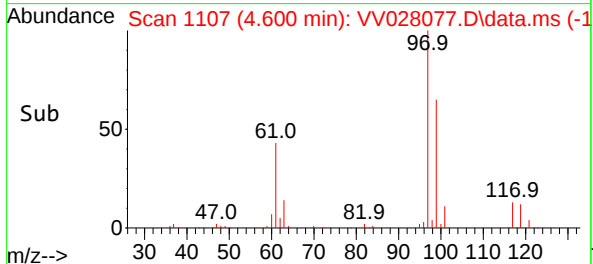
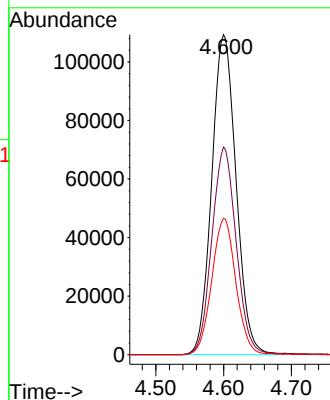
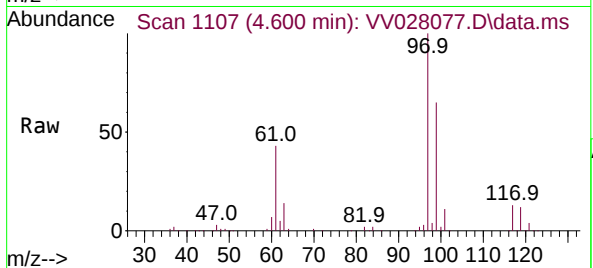
Tgt Ion: 97 Resp: 272608

Ion Ratio Lower Upper

97 100

99 65.2 51.9 77.9

61 42.3 34.8 52.2



#31

Carbon tetrachloride

Concen: 2.019 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.218 min

Lab File: VV028077.D

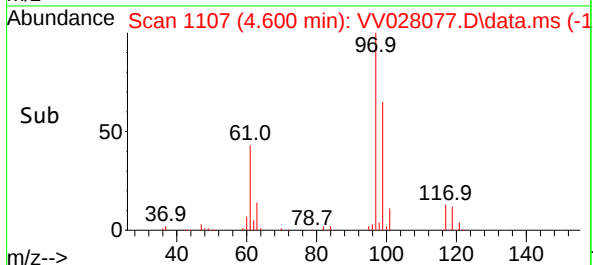
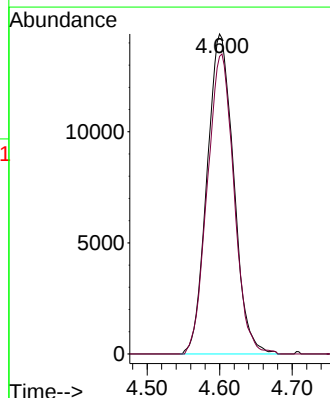
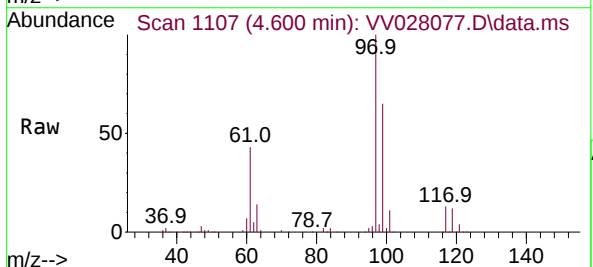
Acq: 22 Sep 2022 22:43

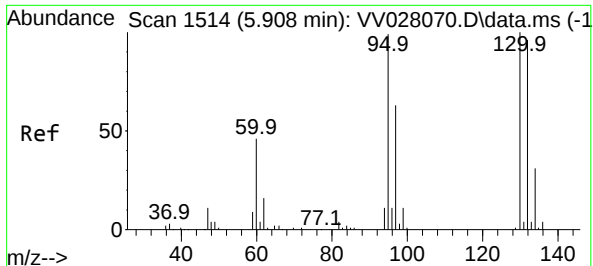
Tgt Ion: 117 Resp: 36724

Ion Ratio Lower Upper

117 100

119 93.8 76.9 115.3

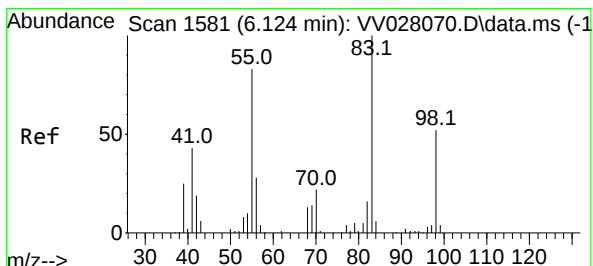
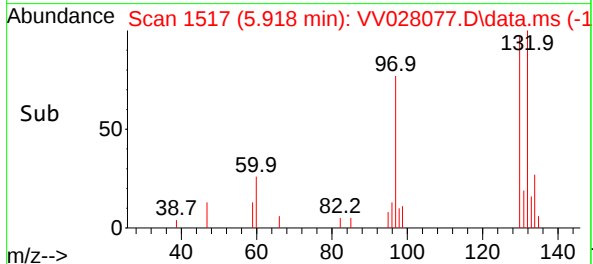
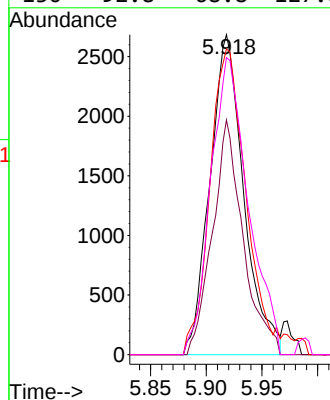
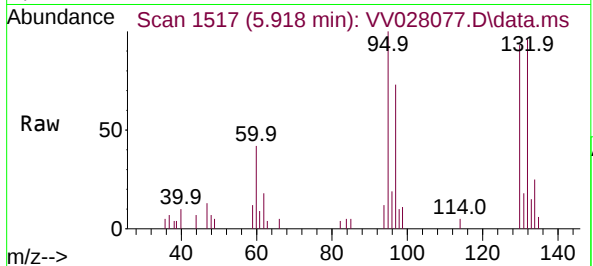




#34
Trichloroethene
Concen: 0.455 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.010 min
Lab File: VV028077.D
Acq: 22 Sep 2022 22:43

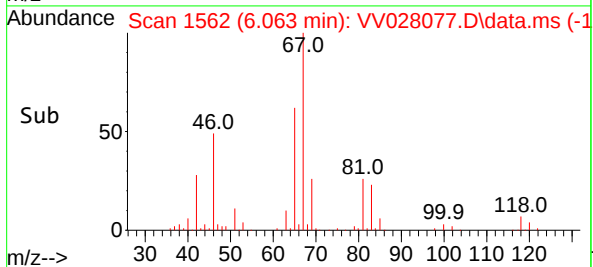
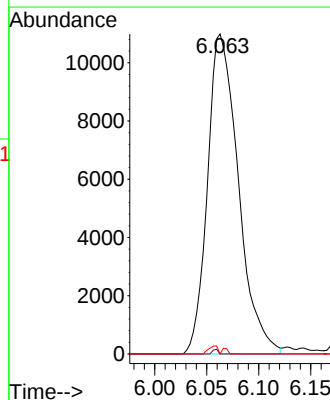
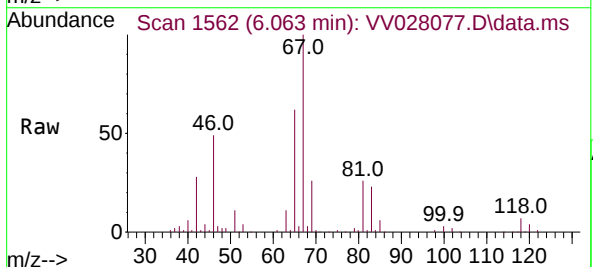
Instrument :
MSVOA_V
ClientSampleId :

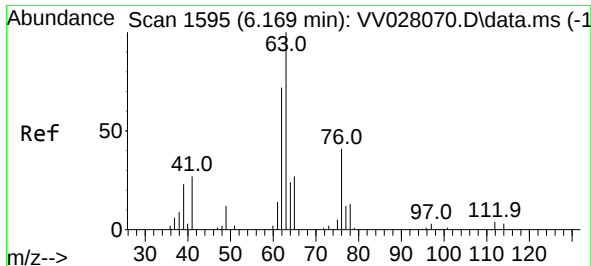
Tgt Ion: 95 Resp: 5659
Ion Ratio Lower Upper
95 100
97 73.3 44.2 82.0
132 95.5 67.8 126.0
130 92.8 68.8 127.8



#35
Methylcyclohexane
Concen: 1.329 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV028077.D
Acq: 22 Sep 2022 22:43

Tgt Ion: 83 Resp: 22659
Ion Ratio Lower Upper
83 100
55 0.0 64.7 97.1#
98 0.3 39.5 59.3#





#37

1,2-Dichloropropane

Concen: 0.743 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.106 min

Lab File: VV028077.D

Acq: 22 Sep 2022 22:43

Instrument :

MSVOA_V

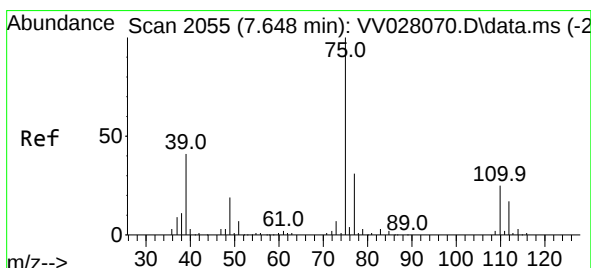
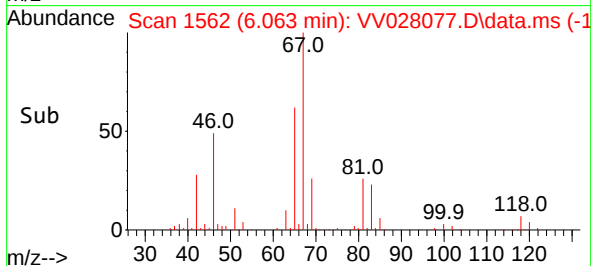
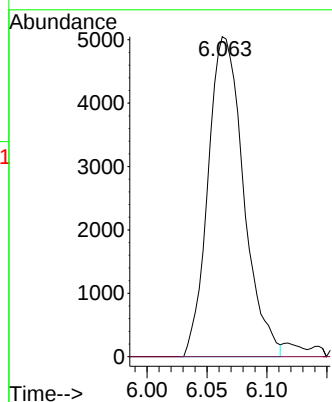
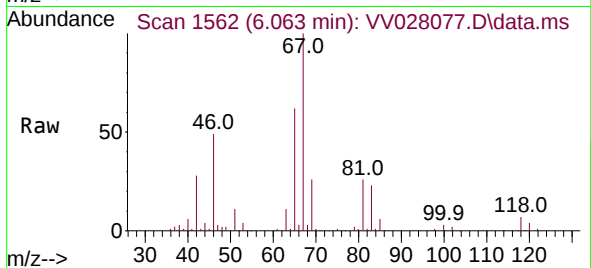
ClientSampleId :

Tgt Ion: 63 Resp: 10402

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#44

trans-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.625 min Scan# 2048

Delta R.T. -0.022 min

Lab File: VV028077.D

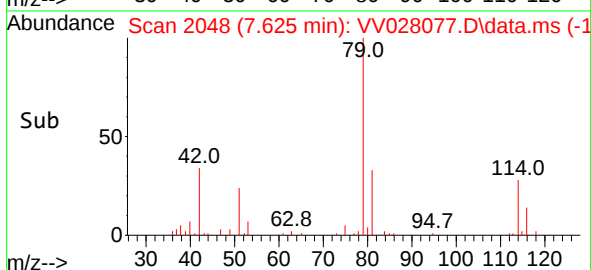
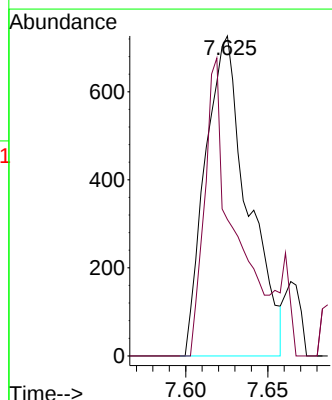
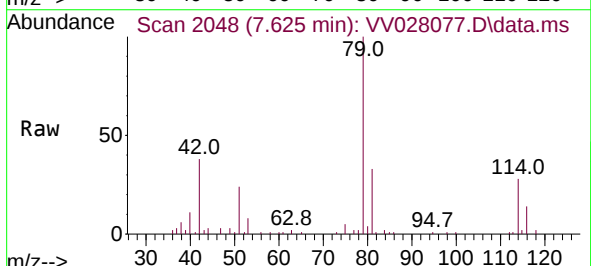
Acq: 22 Sep 2022 22:43

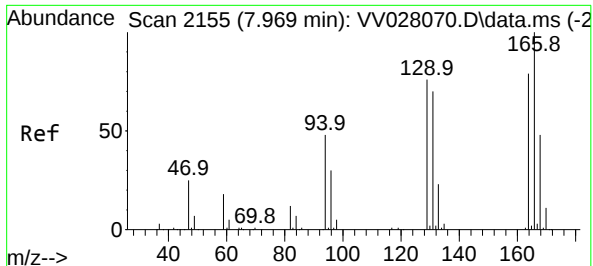
Tgt Ion: 75 Resp: 1308

Ion Ratio Lower Upper

75 100

77 42.6 23.9 44.3





#47

Tetrachloroethene

Concen: 0.905 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. 0.007 min

Lab File: VV028077.D

Acq: 22 Sep 2022 22:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 8977

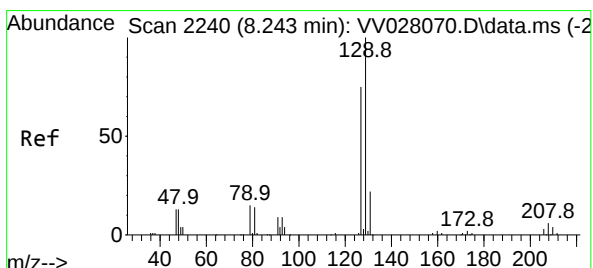
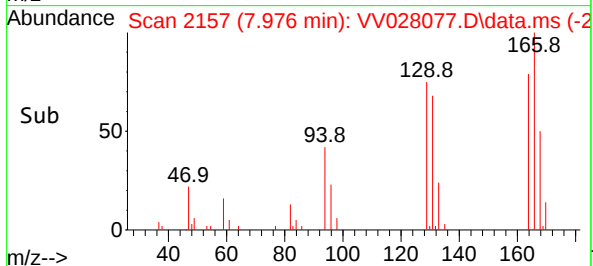
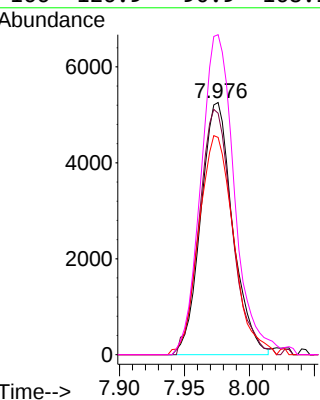
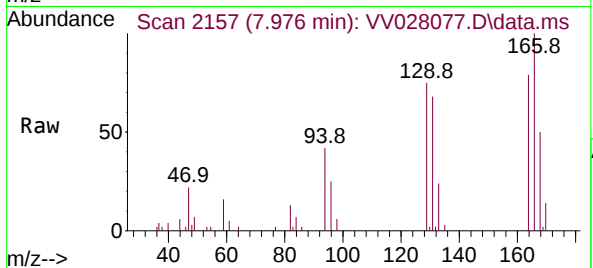
Ion Ratio Lower Upper

164 100

129 95.8 66.7 123.9

131 86.2 61.7 114.5

166 126.9 90.9 168.9



#49

Dibromochloromethane

Concen: 0.781 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV028077.D

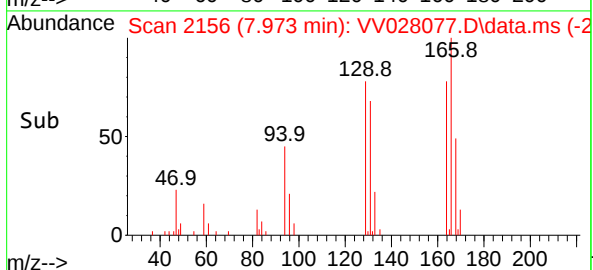
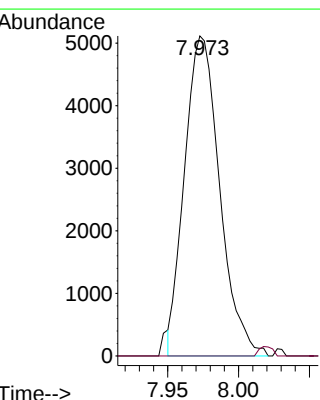
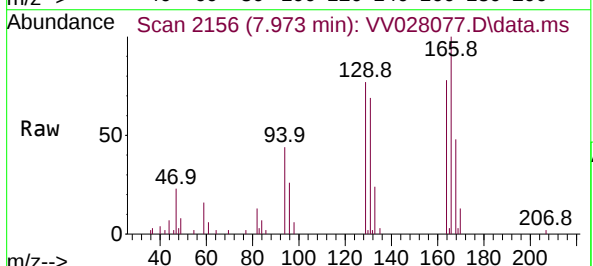
Acq: 22 Sep 2022 22:43

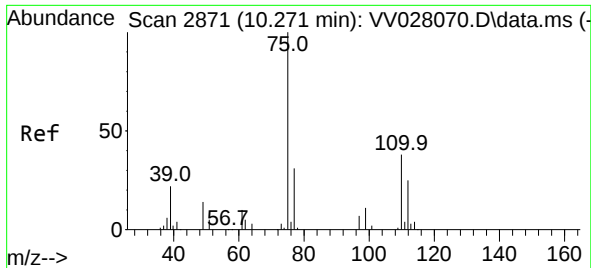
Tgt Ion:129 Resp: 8816

Ion Ratio Lower Upper

129 100

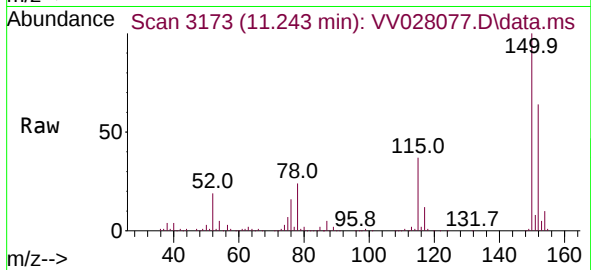
127 0.0 54.3 100.9#





#61
 1,2,3-Trichloropropane
 Concen: 1.280 ug/L
 RT: 11.243 min Scan# 31
 Delta R.T. 0.971 min
 Lab File: VV028077.D
 Acq: 22 Sep 2022 22:43

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.7	40.1
110	3.4	30.1	45.1#

