

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029229.D
 Acq On : 20 Nov 2022 16:51
 Operator : SY/MD
 Sample : N5652-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:59:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 00:54:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	323076	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	290732	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	134893	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	94962	4.821	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.400%
7) Chloroethane-d5	1.568	69	79576	4.596	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.108	63	132780	3.699	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.000%
20) 2-Butanone-d5	3.889	46	176803	53.624	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.240%
24) Chloroform-d	4.342	84	183516	4.538	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.027	65	84078	4.621	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.047	84	377173	4.346	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.066	67	113293	4.675	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.600%
41) Toluene-d8	7.310	98	328820	4.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	7.622	79	32580	4.122	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.088	63	149942	44.447	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.900%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	76861	4.575	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	11.615	152	117749	4.879	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	6672	0.248	ug/L	96
3) Chloromethane	1.240	50	3115	0.139	ug/L	99
8) Chloroethane	1.442	64	18726	1.250	ug/L #	53
9) Trichlorofluoromethane	1.751	101	4068003	118.334	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	69285	3.560	ug/L	97
12) 1,1-Dichloroethene	2.117	96	17532	0.896	ug/L #	1
16) Methylene chloride	2.503	84	11806	0.467	ug/L	99
17) Methyl tert-butyl Ether	2.764	73	182576	4.354	ug/L	98
19) 1,1-Dichloroethane	3.185	63	127612	3.441	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	17748	0.770	ug/L	96
25) Chloroform	4.371	83	45578	1.172	ug/L	94
29) 1,1,1-Trichloroethane	4.606	97	7959	0.233	ug/L	98
31) Carbon tetrachloride	4.828	117	6322	0.215	ug/L	96
34) Trichloroethene	5.908	95	416154	18.297	ug/L	99
35) Methylcyclohexane	6.063	83	27457	0.687	ug/L #	22
37) 1,2-Dichloropropane	6.066	63	11683	0.570	ug/L #	85
38) Bromodichloromethane	6.513	83	2801	0.108	ug/L	100
39) cis-1,3-Dichloropropene	6.985	75	2359	0.082	ug/L #	63
47) Tetrachloroethene	7.973	164	9973	0.548	ug/L	94

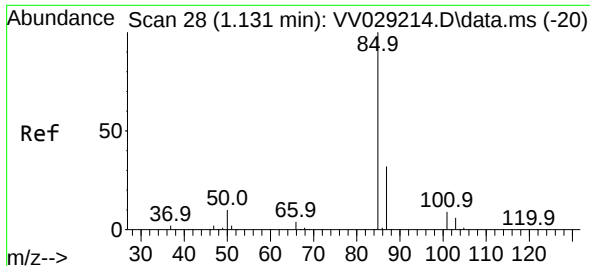
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Data File : VV029229.D
Acq On : 20 Nov 2022 16:51
Operator : SY/MD
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Quant Time: Nov 21 00:59:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 21 00:54:18 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.973	129	9397	0.580	ug/L #	10
61) 1,2,3-Trichloropropane	11.239	75	14666	1.591	ug/L #	65

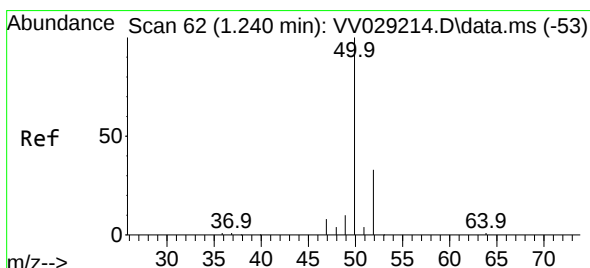
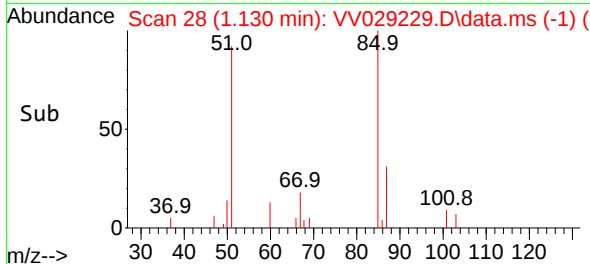
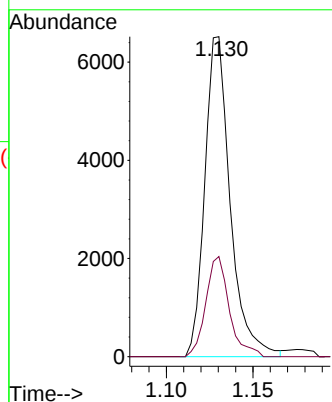
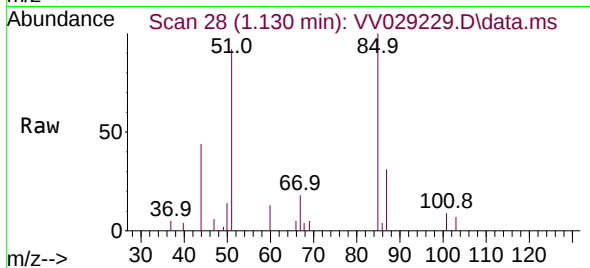
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.248 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029229.D
 Acq: 20 Nov 2022 16:51

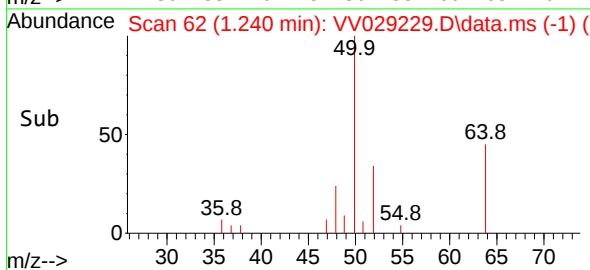
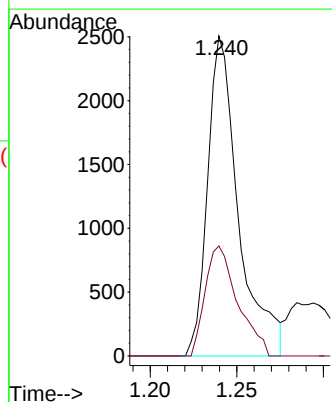
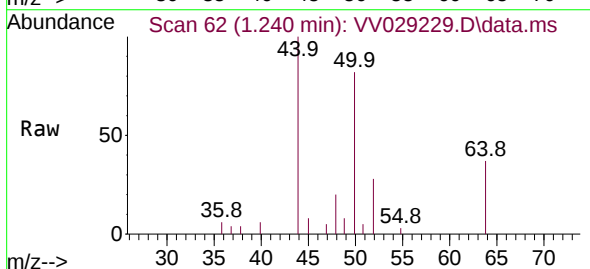
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 MSVOA_V
 ClientSampleId :

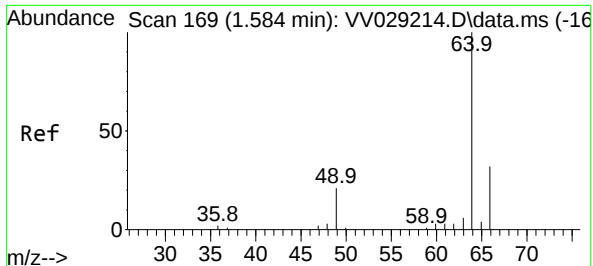
Tgt Ion: 85 Resp: 6672
 Ion Ratio Lower Upper
 85 100
 87 28.9 25.0 37.4



#3
 Chloromethane
 Concen: 0.139 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029229.D
 Acq: 20 Nov 2022 16:51

Tgt Ion: 50 Resp: 3115
 Ion Ratio Lower Upper
 50 100
 52 34.4 23.7 43.9

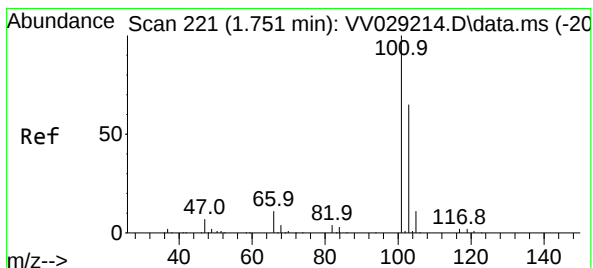
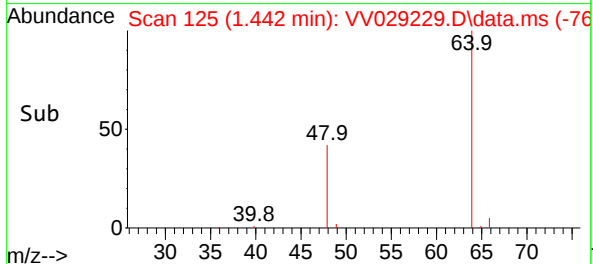
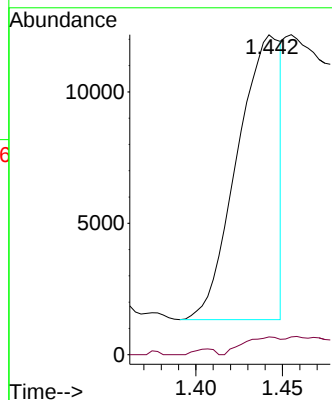
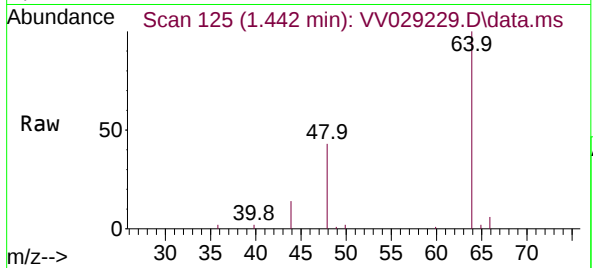




#8
Chloroethane
Concen: 1.250 ug/L
RT: 1.442 min Scan# 11
Delta R.T. -0.142 min
Lab File: VV029229.D
Acq: 20 Nov 2022 16:51

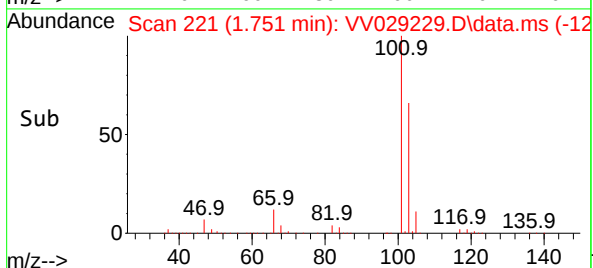
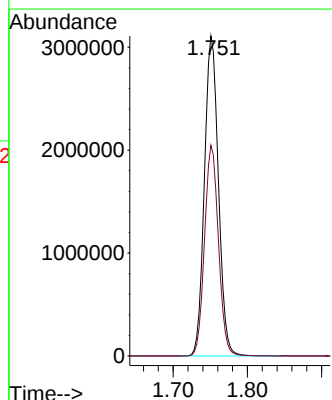
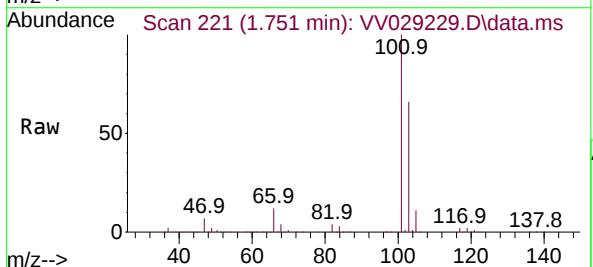
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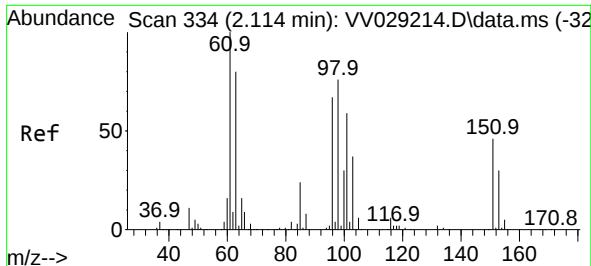
Tgt Ion: 64 Resp: 18726
Ion Ratio Lower Upper
64 100
66 5.5 22.0 40.8#



#9
Trichlorofluoromethane
Concen: 118.334 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029229.D
Acq: 20 Nov 2022 16:51

Tgt Ion:101 Resp: 4068003
Ion Ratio Lower Upper
101 100
103 65.4 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 3.560 ug/L

RT: 2.117 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

Instrument :

MSVOA_V

ClientSampleId :

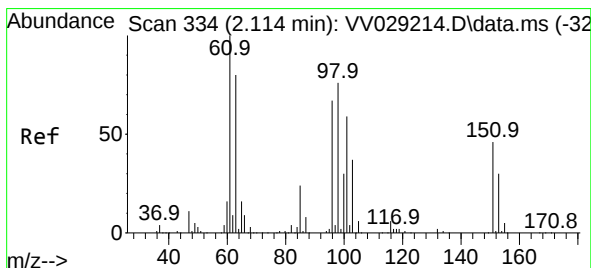
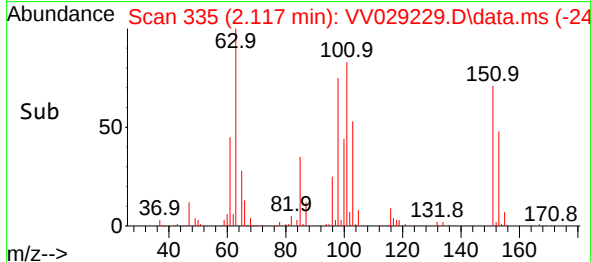
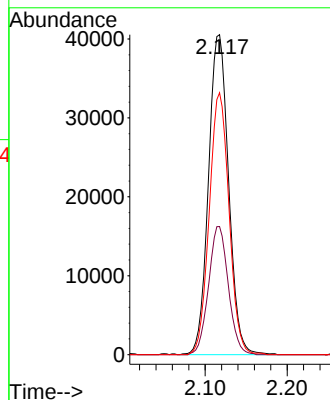
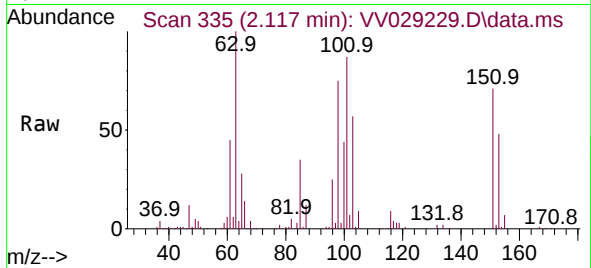
Tgt Ion:101 Resp: 69285

Ion Ratio Lower Upper

101 100

85 39.3 32.9 49.3

151 80.4 62.5 93.7



#12

1,1-Dichloroethene

Concen: 0.896 ug/L

RT: 2.117 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

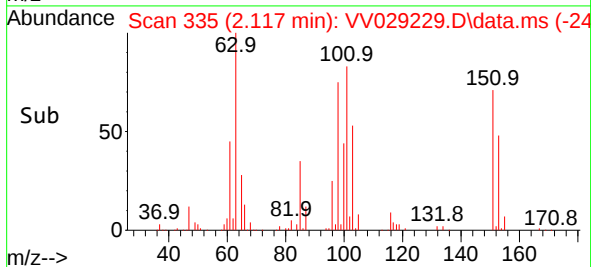
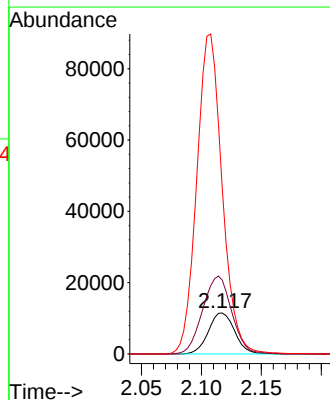
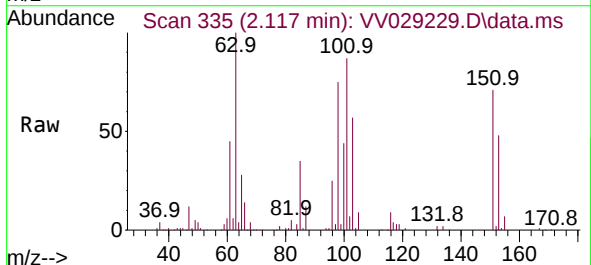
Tgt Ion: 96 Resp: 17532

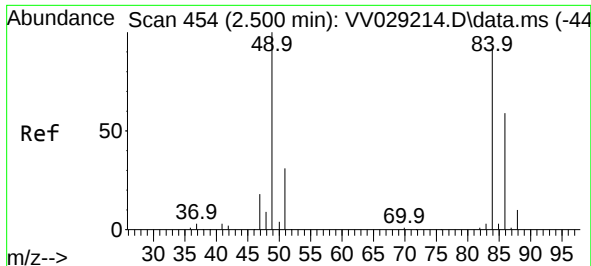
Ion Ratio Lower Upper

96 100

61 180.4 104.2 193.4

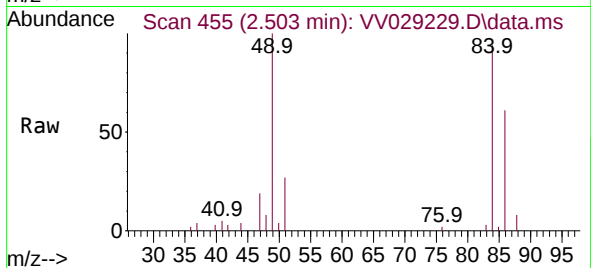
63 404.5 75.9 140.9#



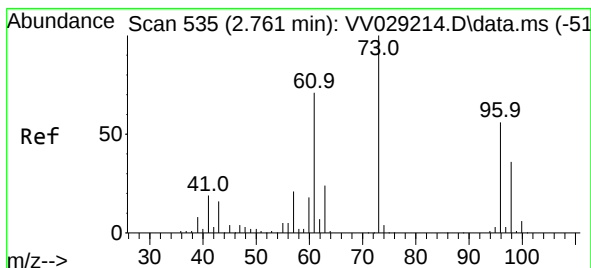
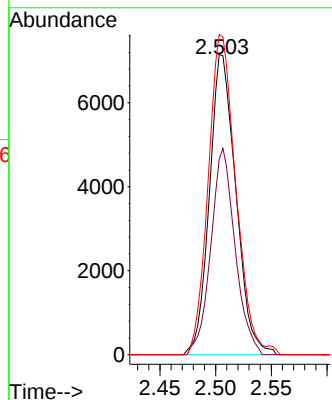
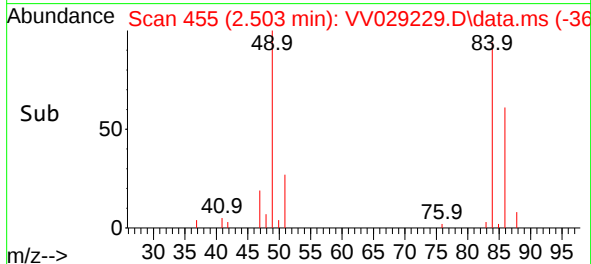


#16
Methylene chloride
Concen: 0.467 ug/L
RT: 2.503 min Scan# 411
Delta R.T. 0.003 min
Lab File: VV029229.D
Acq: 20 Nov 2022 16:51

Instrument :
MSVOA_V
ClientSampleId :

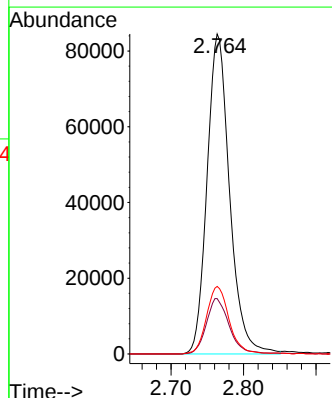
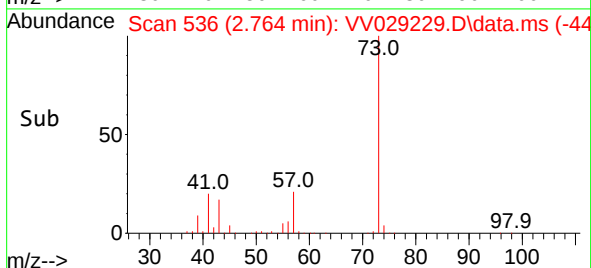
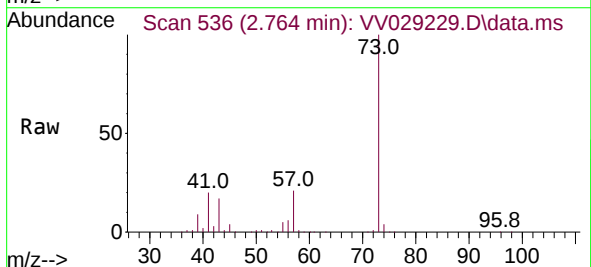


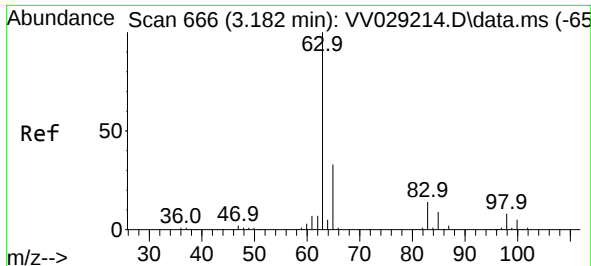
Tgt Ion: 84 Resp: 11806
Ion Ratio Lower Upper
84 100
86 65.2 45.8 85.0
49 106.6 75.5 140.1



#17
Methyl tert-butyl Ether
Concen: 4.354 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV029229.D
Acq: 20 Nov 2022 16:51

Tgt Ion: 73 Resp: 182576
Ion Ratio Lower Upper
73 100
43 17.5 13.0 19.4
57 21.1 16.6 24.8

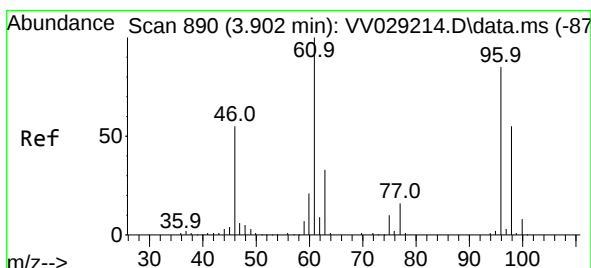
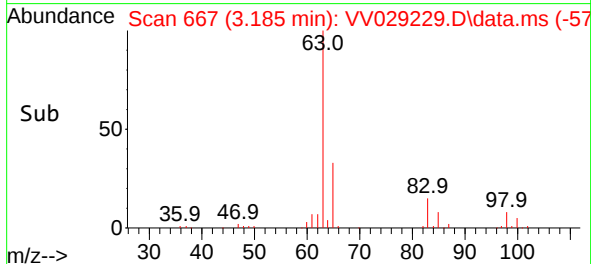
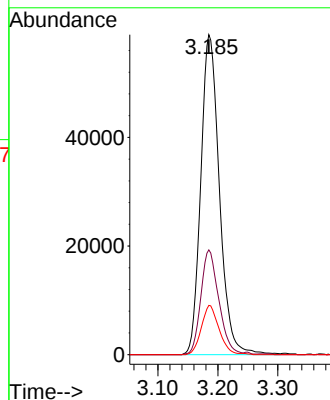
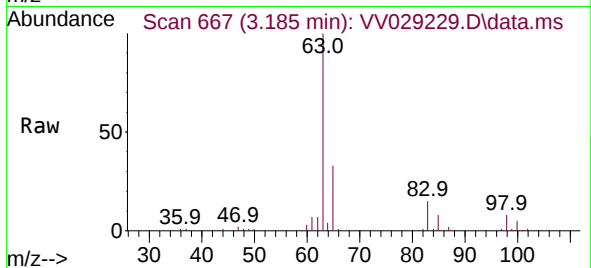




#19
1,1-Dichloroethane
Concen: 3.441 ug/L
RT: 3.185 min Scan# 60
Delta R.T. 0.003 min
Lab File: VV029229.D
Acq: 20 Nov 2022 16:51

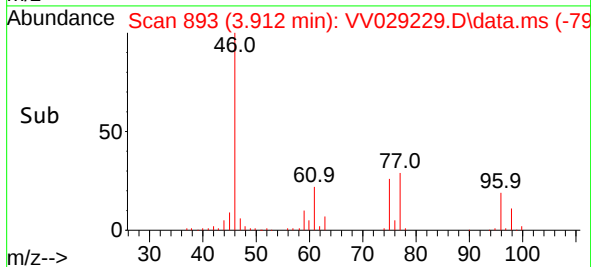
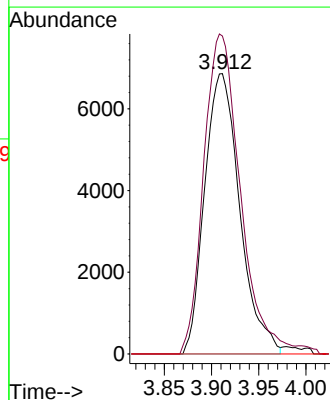
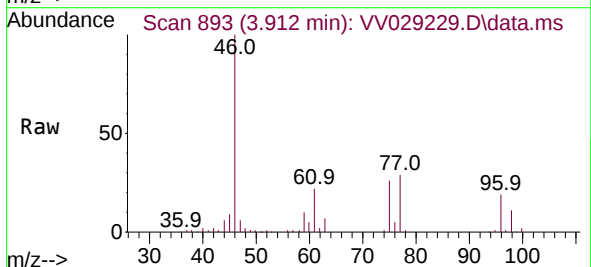
Instrument :
MSVOA_V
ClientSampleId :

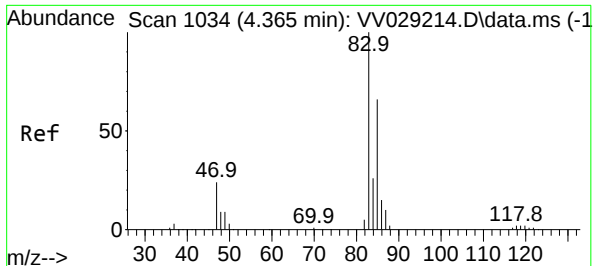
Tgt Ion: 63 Resp: 127612
Ion Ratio Lower Upper
63 100
65 32.7 23.0 42.6
83 15.4 9.4 17.6



#22
cis-1,2-Dichloroethene
Concen: 0.770 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.009 min
Lab File: VV029229.D
Acq: 20 Nov 2022 16:51

Tgt Ion: 96 Resp: 17748
Ion Ratio Lower Upper
96 100
61 113.5 82.3 152.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 1.172 ug/L

RT: 4.371 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

Instrument :

MSVOA_V

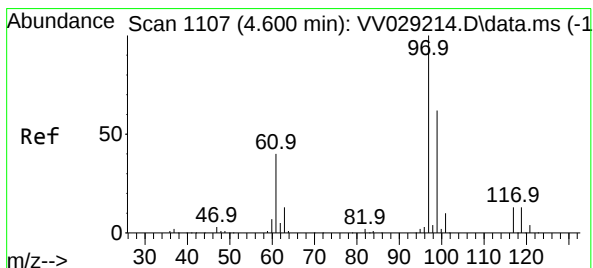
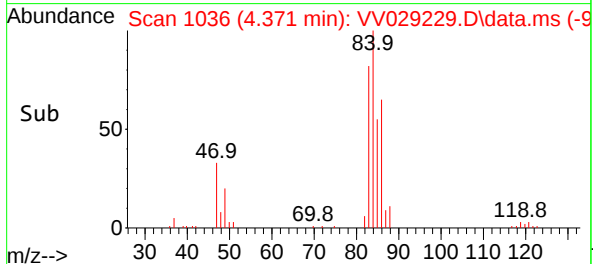
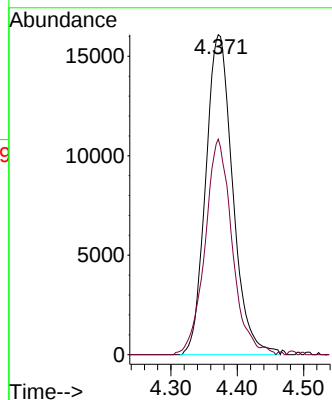
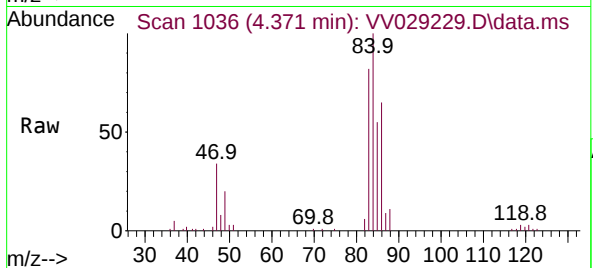
ClientSampleId :

Tgt Ion: 83 Resp: 45578

Ion Ratio Lower Upper

83 100

85 67.3 43.7 81.1



#29

1,1,1-Trichloroethane

Concen: 0.233 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

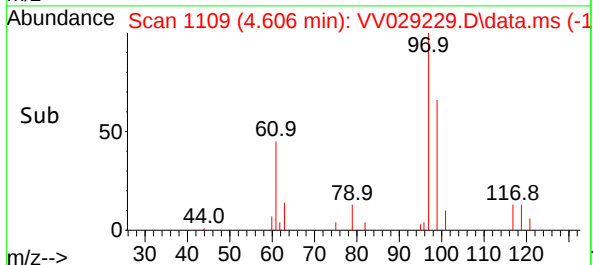
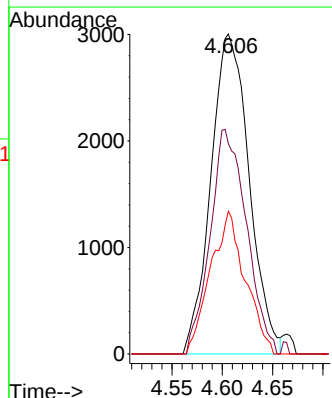
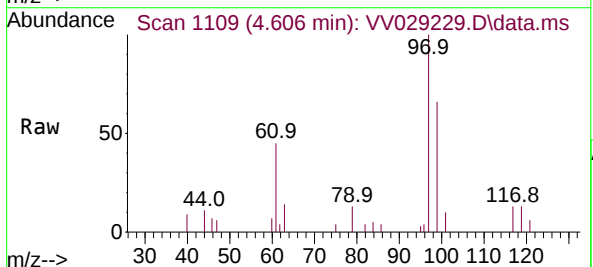
Tgt Ion: 97 Resp: 7959

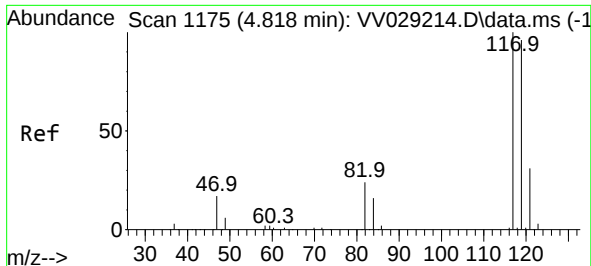
Ion Ratio Lower Upper

97 100

99 66.6 52.7 79.1

61 40.6 33.8 50.6

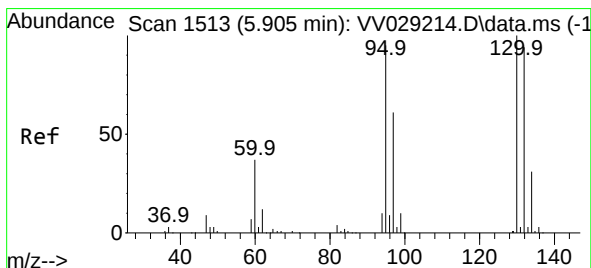
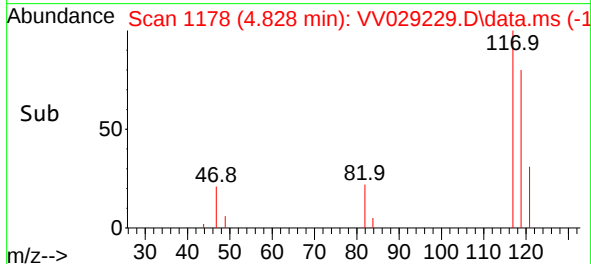
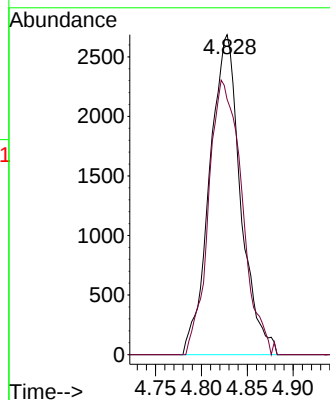
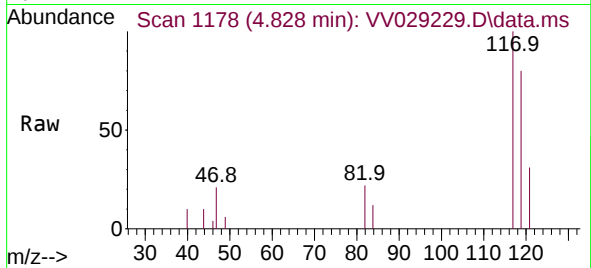




#31
Carbon tetrachloride
Concen: 0.215 ug/L
RT: 4.828 min Scan# 1175
Delta R.T. 0.009 min
Lab File: VV029229.D
Acq: 20 Nov 2022 16:51

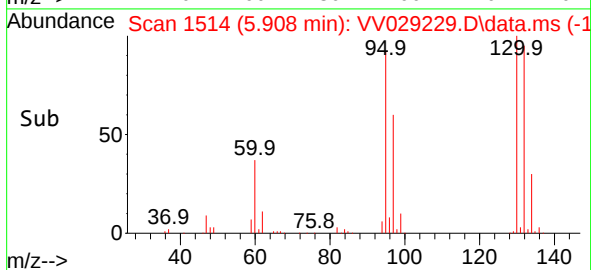
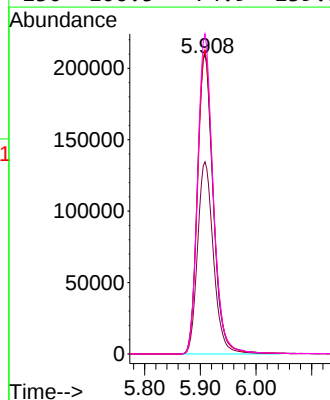
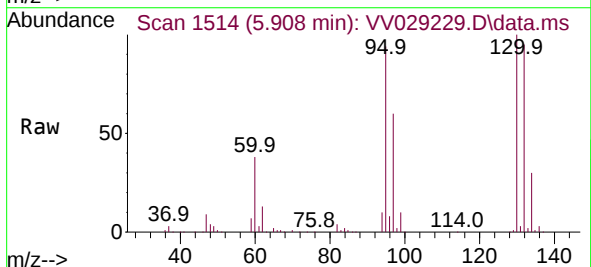
Instrument :
MSVOA_V
ClientSampleId :

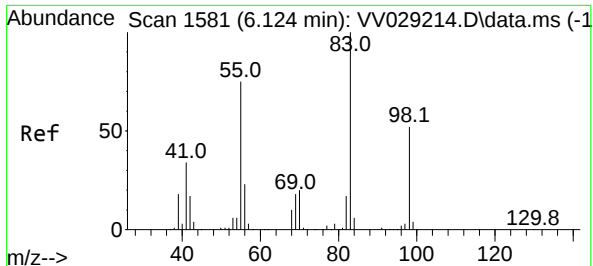
Tgt Ion:117 Resp: 6322
Ion Ratio Lower Upper
117 100
119 92.1 77.0 115.6



#34
Trichloroethene
Concen: 18.297 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV029229.D
Acq: 20 Nov 2022 16:51

Tgt Ion: 95 Resp: 416154
Ion Ratio Lower Upper
95 100
97 64.0 45.6 84.8
132 101.2 69.1 128.3
130 106.5 74.9 139.1





#35

Methylcyclohexane

Concen: 0.687 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.061 min

Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

Instrument :

MSVOA_V

ClientSampleId :

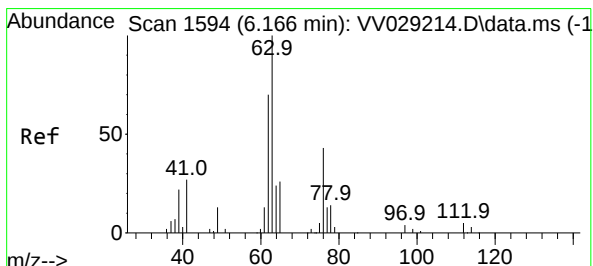
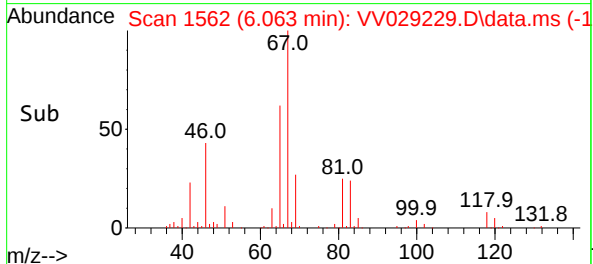
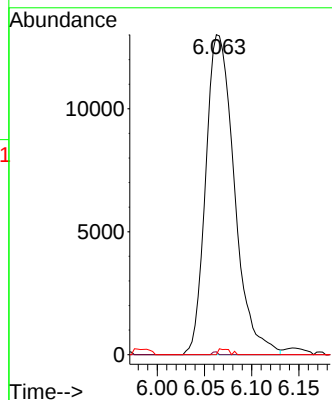
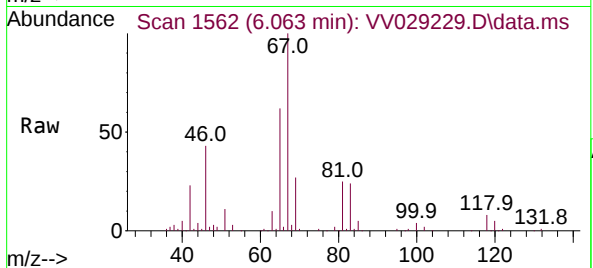
Tgt Ion: 83 Resp: 27457

Ion Ratio Lower Upper

83 100

55 0.2 55.8 83.6#

98 2.6 38.2 57.2#



#37

1,2-Dichloropropane

Concen: 0.570 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.100 min

Lab File: VV029229.D

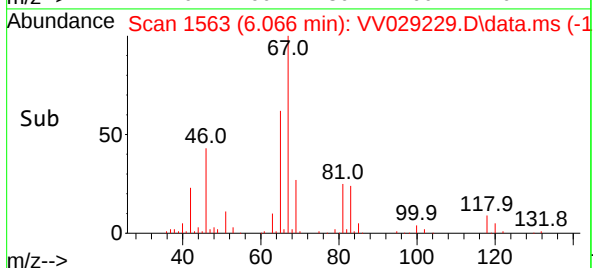
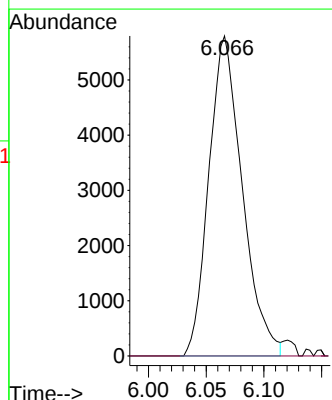
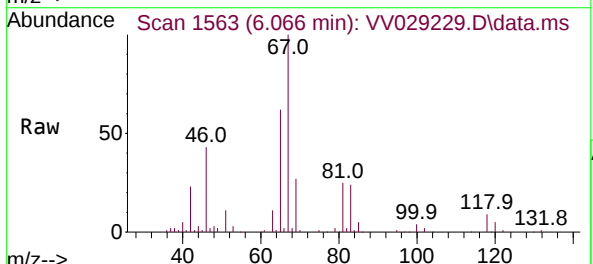
Acq: 20 Nov 2022 16:51

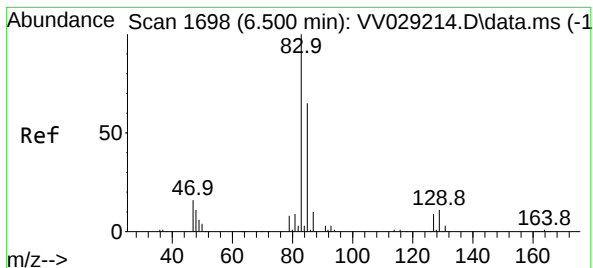
Tgt Ion: 63 Resp: 11683

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#





#38

Bromodichloromethane

Concen: 0.108 ug/L

RT: 6.513 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

Instrument :

MSVOA_V

ClientSampleId :

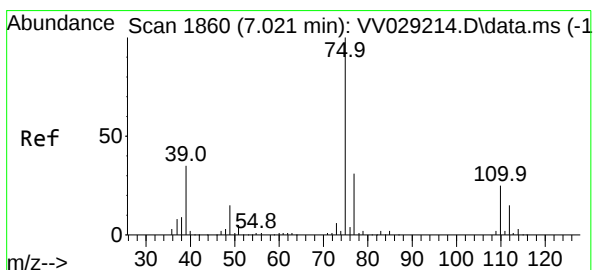
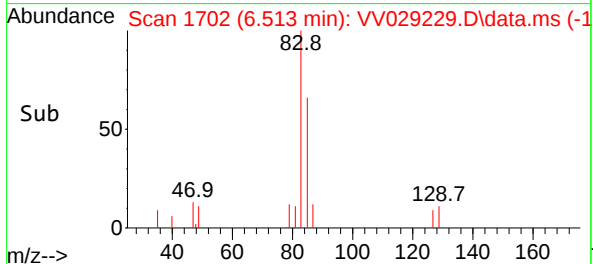
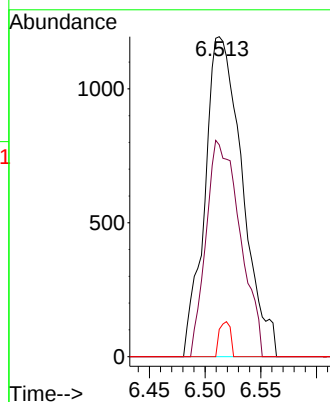
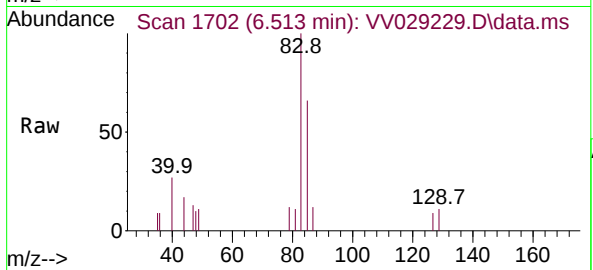
Tgt Ion: 83 Resp: 2801

Ion Ratio Lower Upper

83 100

85 66.2 46.1 85.5

127 8.5 6.7 10.1



#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.036 min

Lab File: VV029229.D

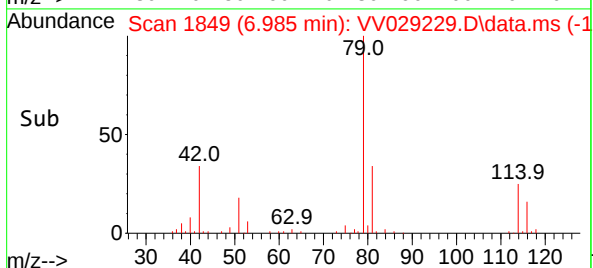
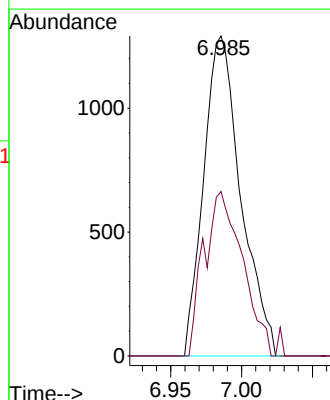
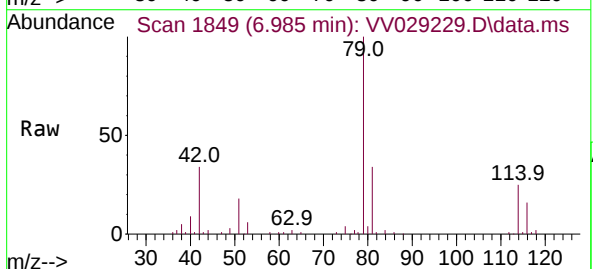
Acq: 20 Nov 2022 16:51

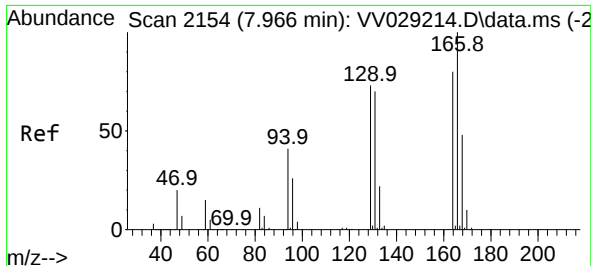
Tgt Ion: 75 Resp: 2359

Ion Ratio Lower Upper

75 100

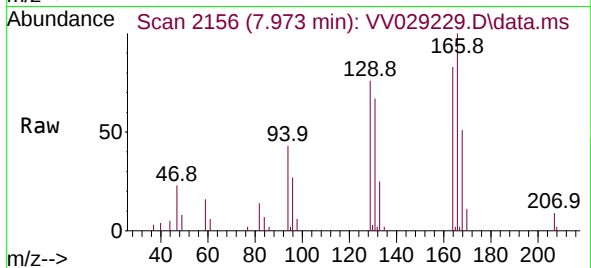
77 51.4 21.8 40.6#



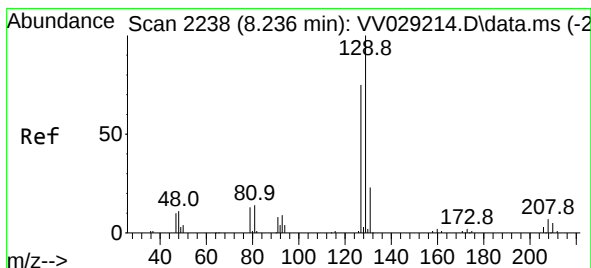
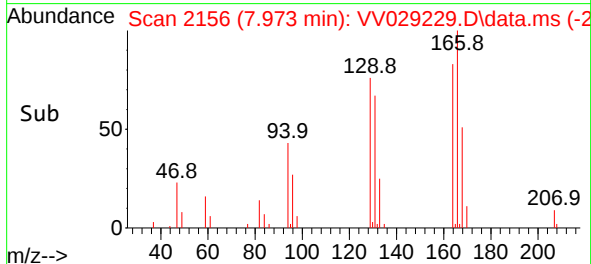
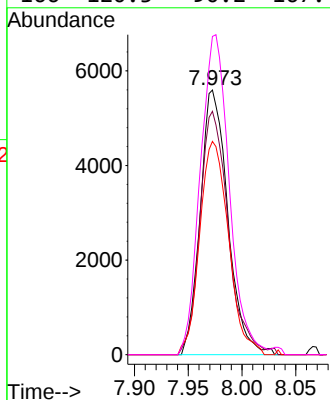


#47
Tetrachloroethene
Concen: 0.548 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.006 min
Lab File: VV029229.D
Acq: 20 Nov 2022 16:51

Instrument :
MSVOA_V
ClientSampleId :

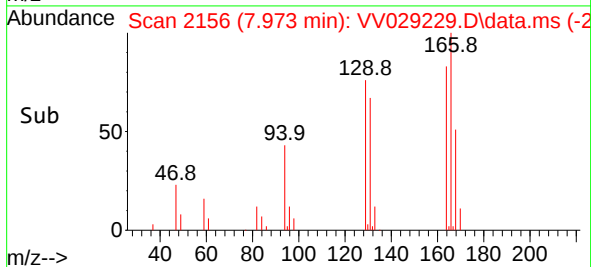
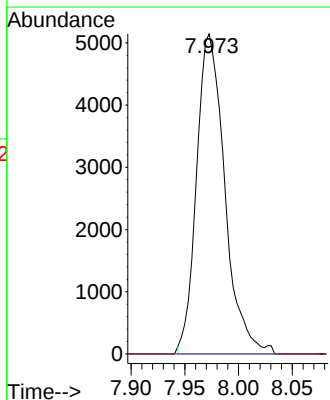
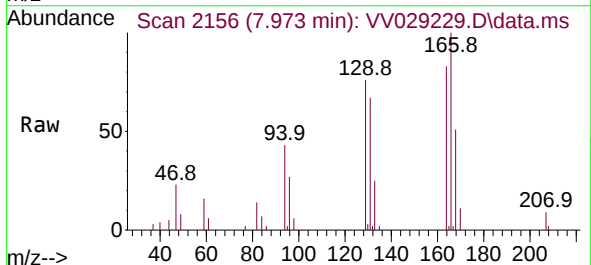


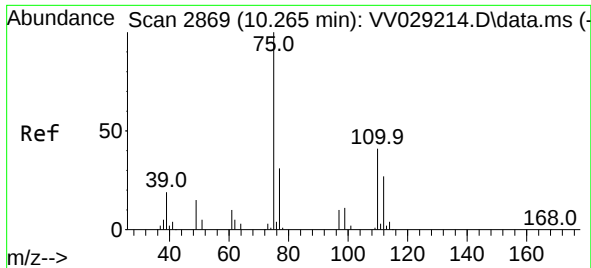
Tgt Ion:164 Resp: 9973
Ion Ratio Lower Upper
164 100
129 92.0 63.9 118.7
131 80.6 61.8 114.8
166 120.3 90.2 167.4



#49
Dibromochloromethane
Concen: 0.580 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.264 min
Lab File: VV029229.D
Acq: 20 Nov 2022 16:51

Tgt Ion:129 Resp: 9397
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.1#





#61

1,2,3-Trichloropropane

Concen: 1.591 ug/L

RT: 11.239 min Scan# 31

Delta R.T. 0.974 min

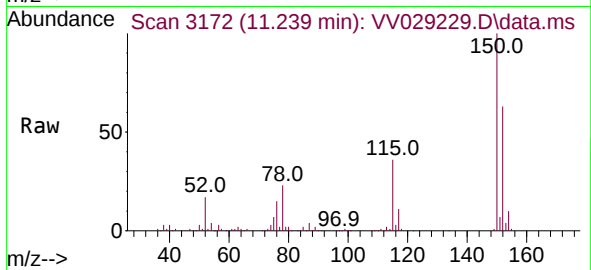
Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 14666

Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.2

110 2.6 32.6 48.8#

