

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029219.D
 Acq On : 20 Nov 2022 12:46
 Operator : SY/MD
 Sample : N5651-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:56:42 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	279732	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	254409	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	117265	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	107110	6.281	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 125.600%		
7) Chloroethane-d5	1.568	69	89737	5.986	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 119.800%		
11) 1,1-Dichloroethene-d2	2.105	63	141496	4.553	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 91.000%		
20) 2-Butanone-d5	3.886	46	216511	75.843	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 151.680%#		
24) Chloroform-d	4.339	84	204837	5.850	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 117.000%		
26) 1,2-Dichloroethane-d4	5.027	65	96108	6.101	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 122.000%		
32) Benzene-d6	5.043	84	431097	5.677	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 113.600%		
36) 1,2-Dichloropropane-d6	6.066	67	127945	6.034	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 120.600%		
41) Toluene-d8	7.310	98	375420	5.492	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 109.800%		
43) trans-1,3-Dichloroprop...	7.619	79	38035	5.500	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 110.000%		
46) 2-Hexanone-d5	8.085	63	177400	60.094	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 120.180%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	90343	6.145	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 123.000%#		
66) 1,2-Dichlorobenzene-d4	11.615	152	135429	6.455	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 129.200%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	6473	0.278	ug/L	97
3) Chloromethane	1.240	50	2689	0.139	ug/L	97
6) Bromomethane	1.523	94	750	0.057	ug/L	97
8) Chloroethane	1.404	64	87759	6.765	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	1613	0.096	ug/L #	19
12) 1,1-Dichloroethene	2.111	96	2066	0.122	ug/L #	1
17) Methyl tert-butyl Ether	2.764	73	28729	0.791	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	18106	0.907	ug/L	96
25) Chloroform	4.368	83	5493	0.163	ug/L	90
27) 1,2-Dichloroethane	5.149	62	1991	0.115	ug/L #	70
34) Trichloroethene	5.908	95	324708	16.315	ug/L	98
35) Methylcyclohexane	6.063	83	31567	0.902	ug/L #	22
37) 1,2-Dichloropropane	6.066	63	13179	0.735	ug/L #	86
39) cis-1,3-Dichloropropene	6.982	75	2969	0.119	ug/L #	80
44) trans-1,3-Dichloropropene	7.619	75	1489	0.077	ug/L #	67
47) Tetrachloroethene	7.969	164	334738	21.004	ug/L	99
49) Dibromochloromethane	7.969	129	296444	20.893	ug/L #	10
61) 1,2,3-Trichloropropane	10.368	75	616	0.077	ug/L #	71
68) 1,2-Dibromo-3-chloropr...	12.239	75	456	0.289	ug/L #	2

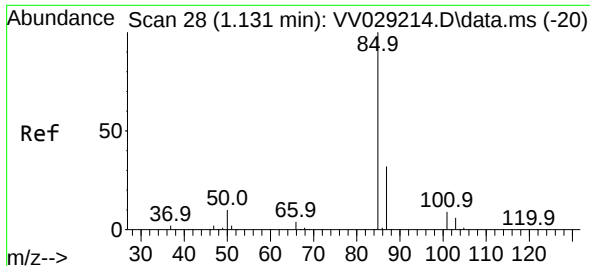
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112022\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

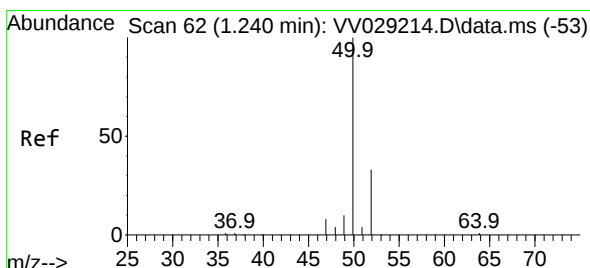
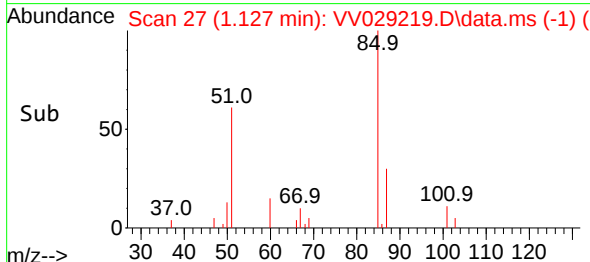
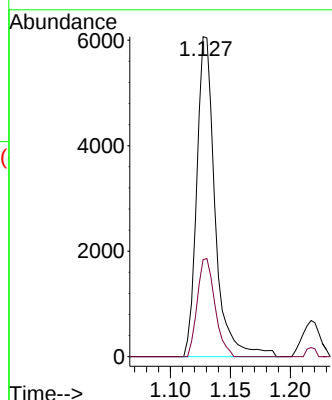
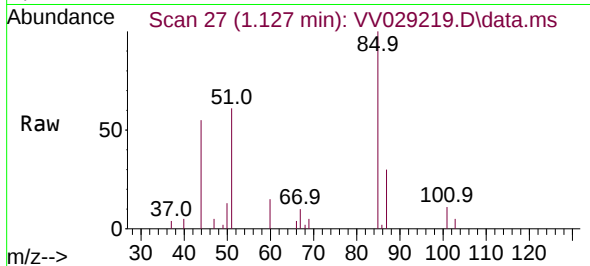
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.278 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV029219.D
 Acq: 20 Nov 2022 12:46

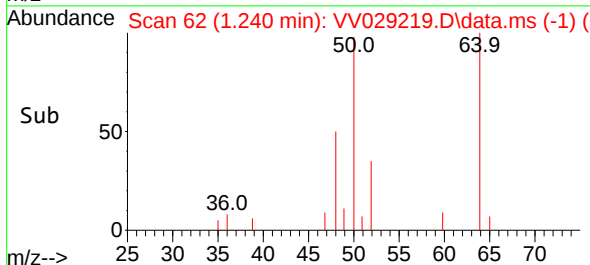
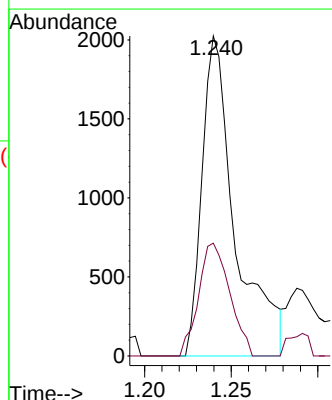
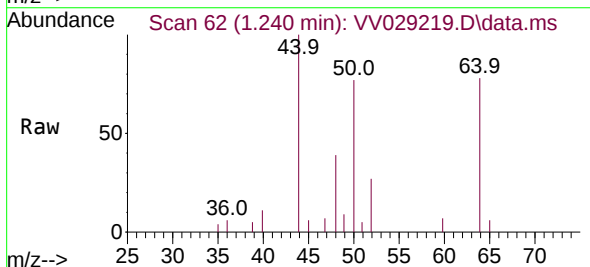
Instrument :
 MSVOA_V
 ClientSampleId :

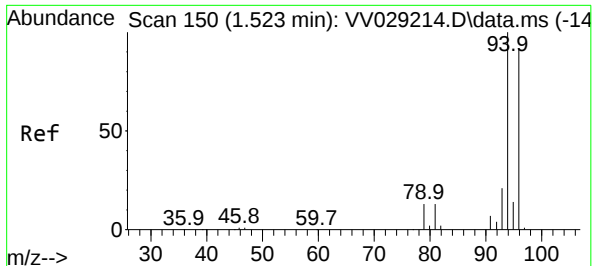
Tgt Ion: 85 Resp: 6473
 Ion Ratio Lower Upper
 85 100
 87 29.4 25.0 37.4



#3
 Chloromethane
 Concen: 0.139 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029219.D
 Acq: 20 Nov 2022 12:46

Tgt Ion: 50 Resp: 2689
 Ion Ratio Lower Upper
 50 100
 52 35.3 23.7 43.9

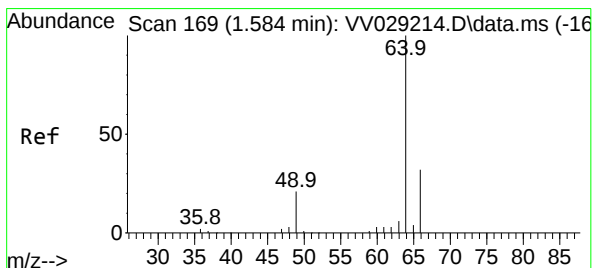
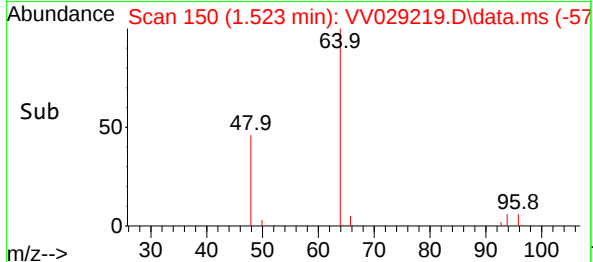
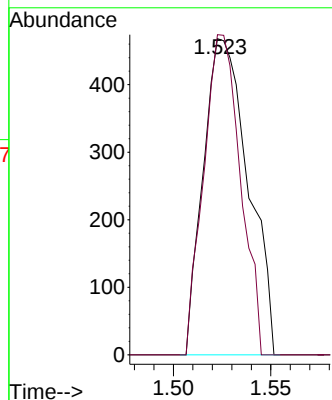
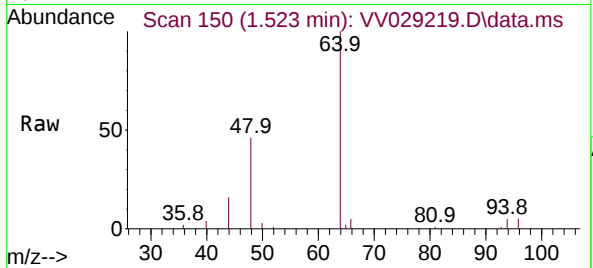




#6
Bromomethane
Concen: 0.057 ug/L
RT: 1.523 min Scan# 113
Delta R.T. -0.000 min
Lab File: VV029219.D
Acq: 20 Nov 2022 12:46

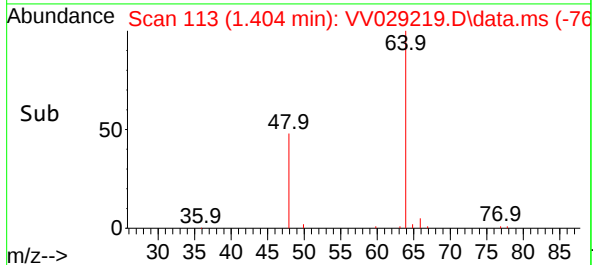
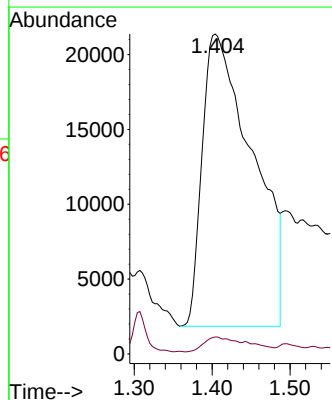
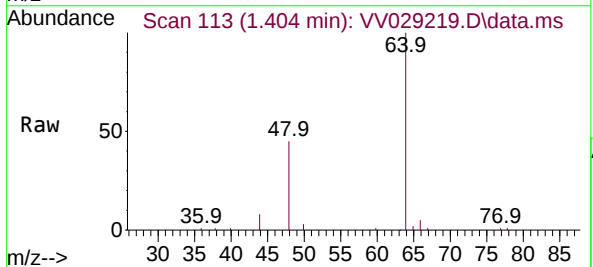
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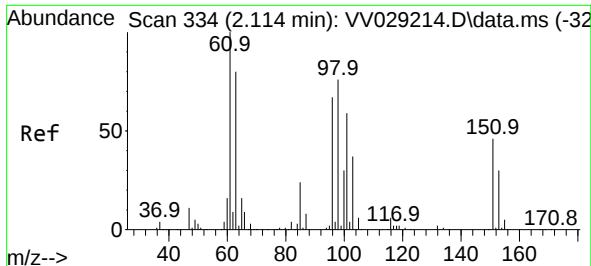
Tgt Ion: 94 Resp: 750
Ion Ratio Lower Upper
94 100
96 101.3 68.5 127.3



#8
Chloroethane
Concen: 6.765 ug/L
RT: 1.404 min Scan# 113
Delta R.T. -0.180 min
Lab File: VV029219.D
Acq: 20 Nov 2022 12:46

Tgt Ion: 64 Resp: 87759
Ion Ratio Lower Upper
64 100
66 5.3 22.0 40.8#





#10

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

Concen: 0.096 ug/L

RT: 2.105 min Scan# 331

Delta R.T. -0.010 min

Lab File: VV029219.D

Acq: 20 Nov 2022 12:46

Instrument :

MSVOA_V

ClientSampleId :

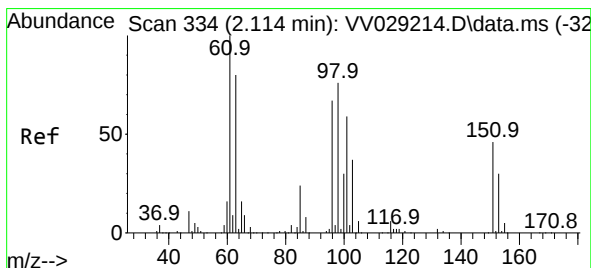
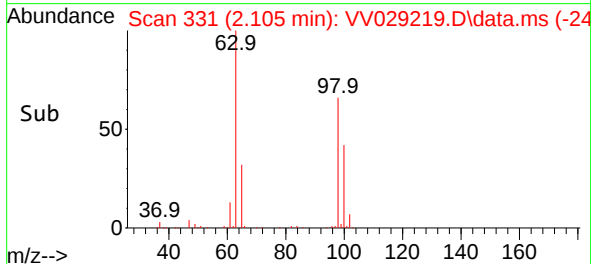
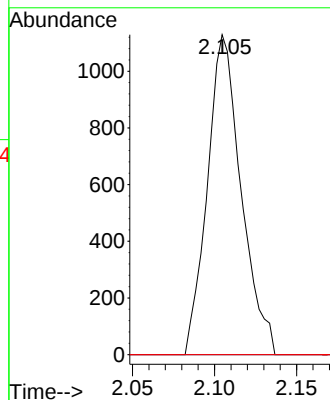
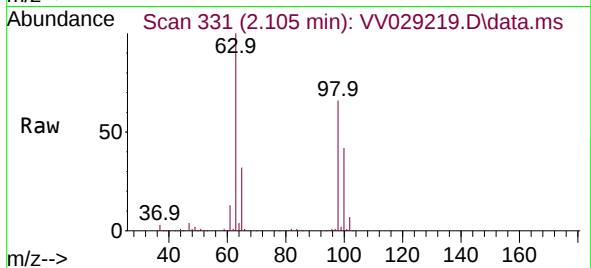
Tgt Ion:101 Resp: 1613

Ion Ratio Lower Upper

101 100

85 0.0 32.9 49.3#

151 0.0 62.5 93.7#



#12

1,1-Dichloroethene

Concen: 0.122 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.003 min

Lab File: VV029219.D

Acq: 20 Nov 2022 12:46

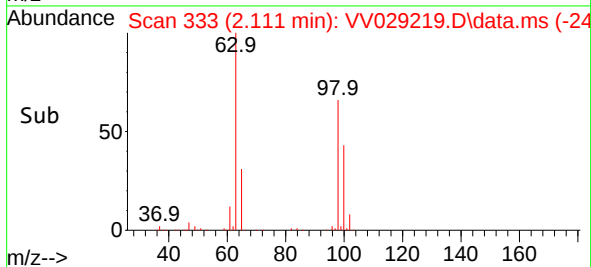
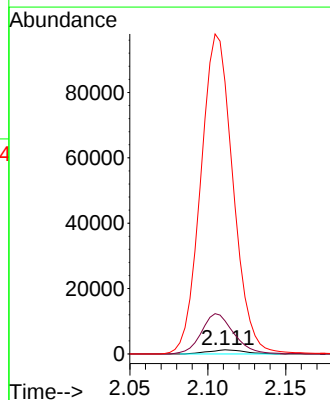
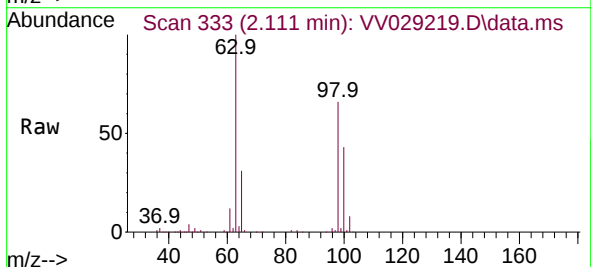
Tgt Ion: 96 Resp: 2066

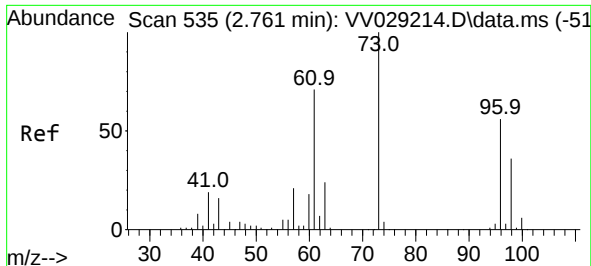
Ion Ratio Lower Upper

96 100

61 805.4 104.2 193.4#

63 6618.3 75.9 140.9#

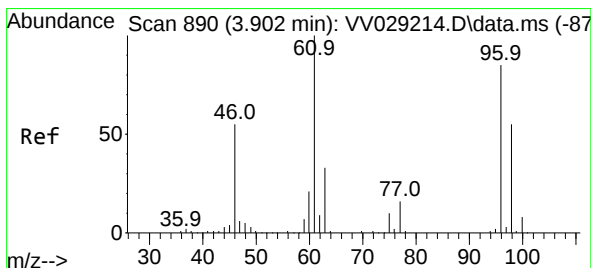
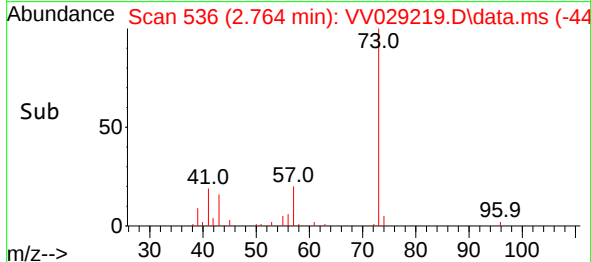
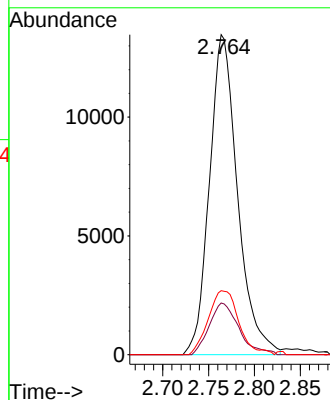
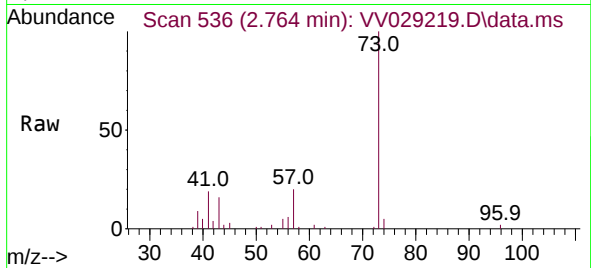




#17
Methyl tert-butyl Ether
Concen: 0.791 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029219.D
Acq: 20 Nov 2022 12:46

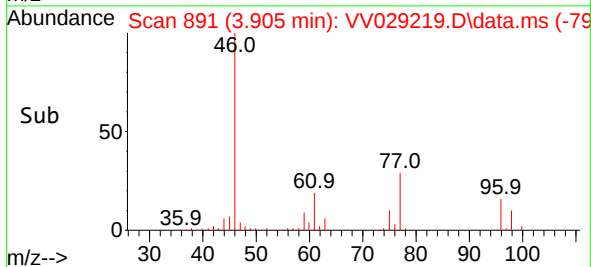
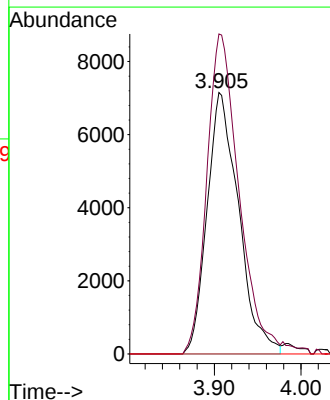
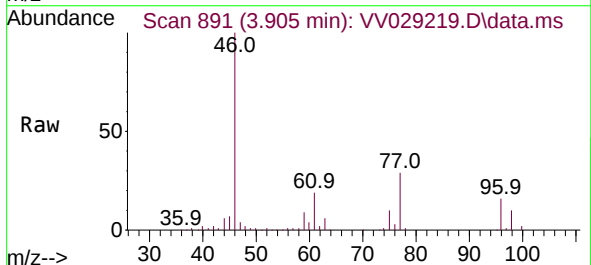
Instrument :
MSVOA_V
ClientSampleId :

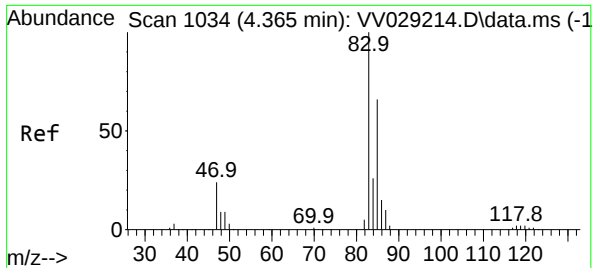
Tgt Ion: 73 Resp: 28729
Ion Ratio Lower Upper
73 100
43 17.0 13.0 19.4
57 21.7 16.6 24.8



#22
cis-1,2-Dichloroethene
Concen: 0.907 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.003 min
Lab File: VV029219.D
Acq: 20 Nov 2022 12:46

Tgt Ion: 96 Resp: 18106
Ion Ratio Lower Upper
96 100
61 122.4 82.3 152.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.163 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VV029219.D

Acq: 20 Nov 2022 12:46

Instrument :

MSVOA_V

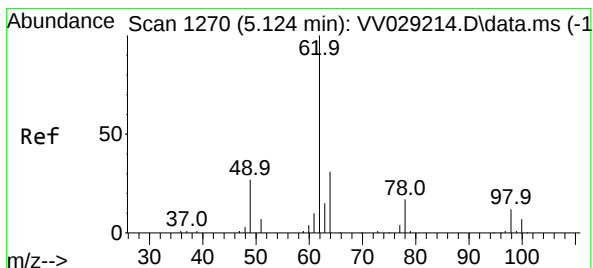
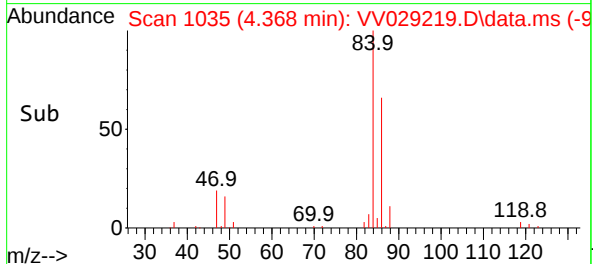
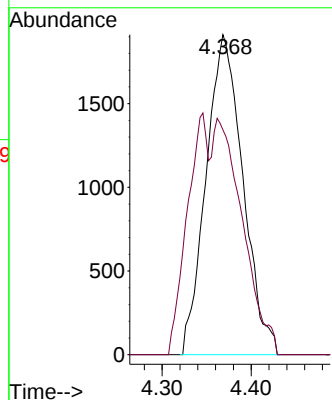
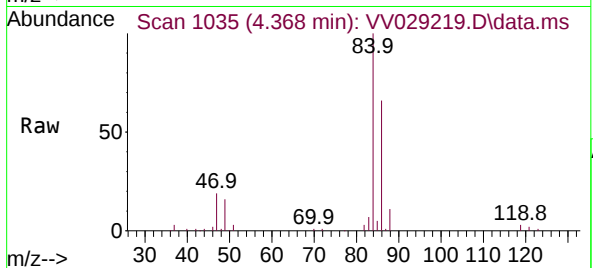
ClientSampleId :

Tgt Ion: 83 Resp: 5493

Ion Ratio Lower Upper

83 100

85 70.2 43.7 81.1



#27

1,2-Dichloroethane

Concen: 0.115 ug/L

RT: 5.149 min Scan# 1278

Delta R.T. 0.026 min

Lab File: VV029219.D

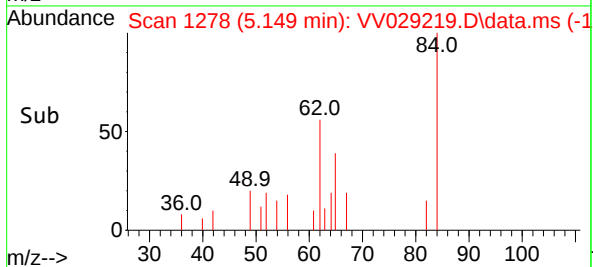
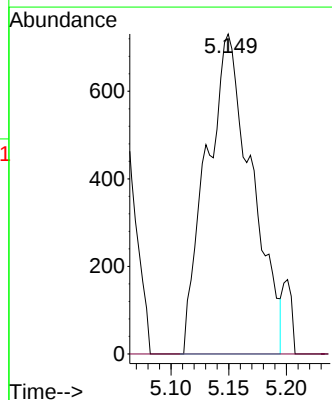
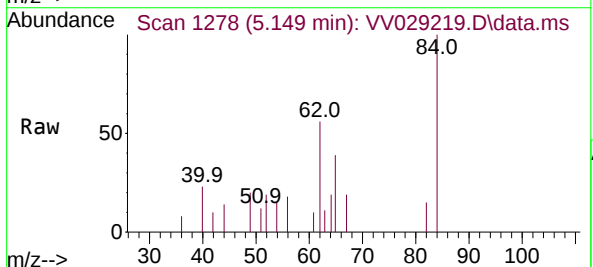
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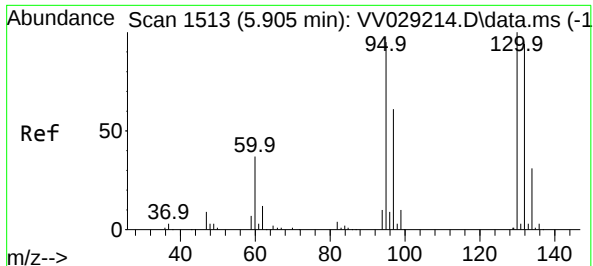
Tgt Ion: 62 Resp: 1991

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.6#

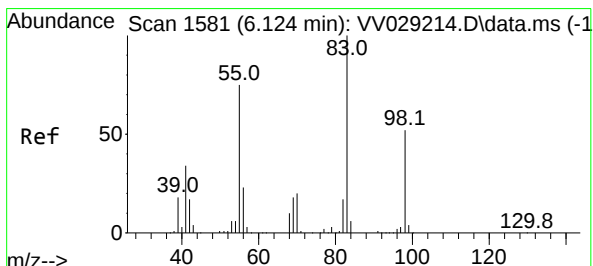
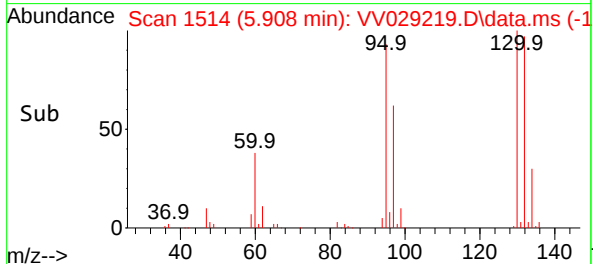
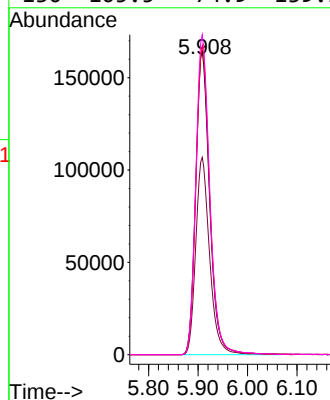
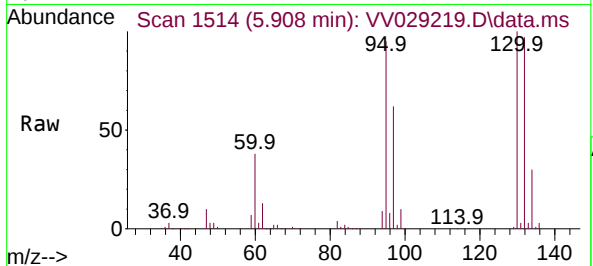




#34
Trichloroethene
Concen: 16.315 ug/L
RT: 5.908 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029219.D
Acq: 20 Nov 2022 12:46

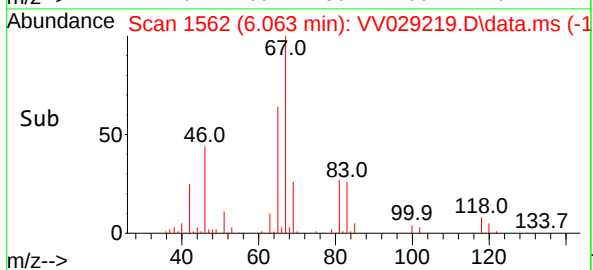
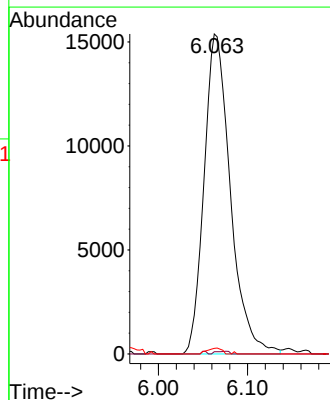
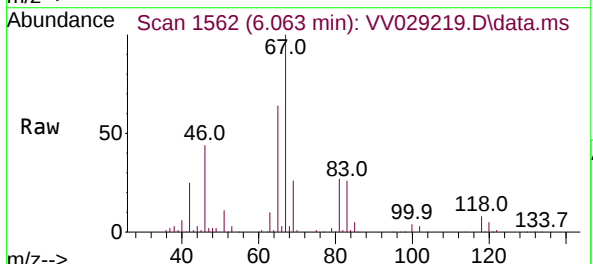
Instrument :
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ClientSampleId :

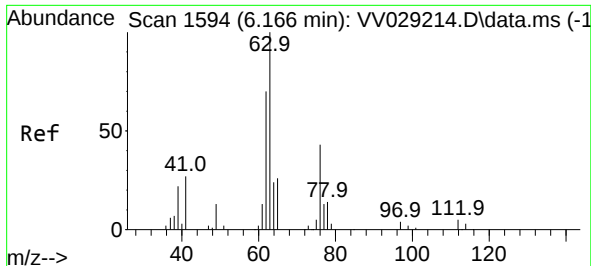
Tgt Ion: 95 Resp: 324708
Ion Ratio Lower Upper
95 100
97 65.1 45.6 84.8
132 101.9 69.1 128.3
130 105.5 74.9 139.1



#35
Methylcyclohexane
Concen: 0.902 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV029219.D
Acq: 20 Nov 2022 12:46

Tgt Ion: 83 Resp: 31567
Ion Ratio Lower Upper
83 100
55 0.4 55.8 83.6#
98 1.0 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.735 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV029219.D

Acq: 20 Nov 2022 12:46

Instrument :

MSVOA_V

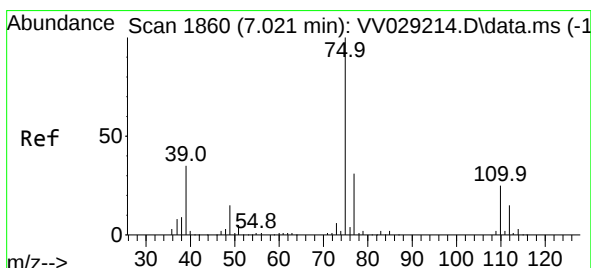
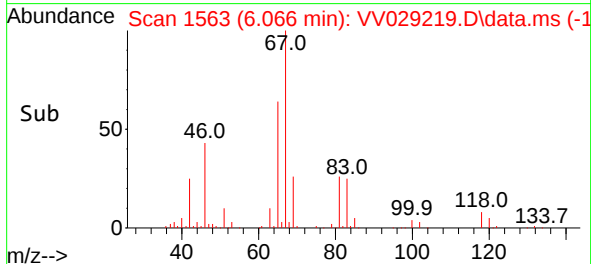
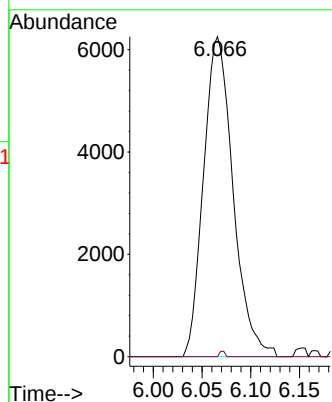
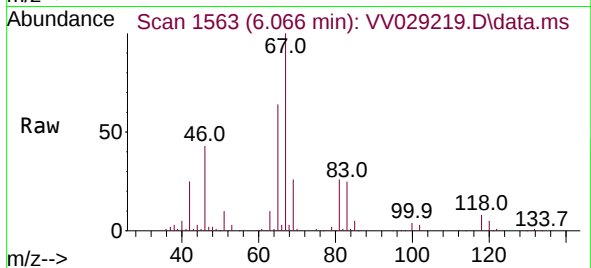
ClientSampleId :

Tgt Ion: 63 Resp: 13179

Ion Ratio Lower Upper

63 100

112 0.3 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.039 min

Lab File: VV029219.D

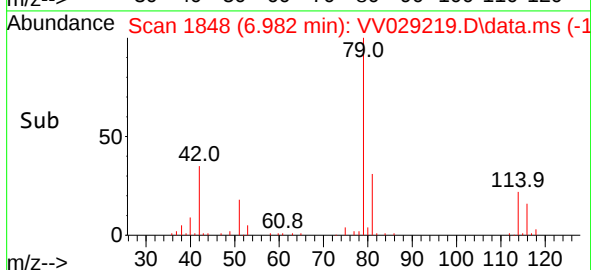
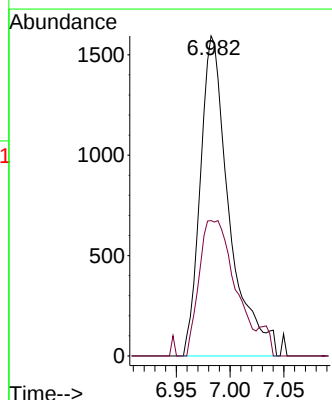
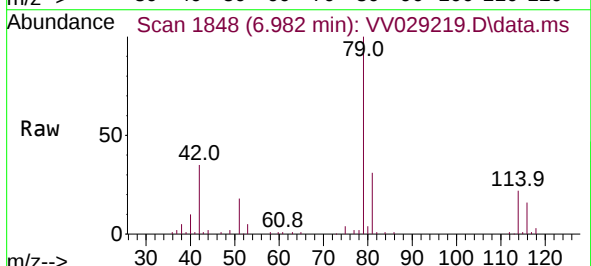
Acq: 20 Nov 2022 12:46

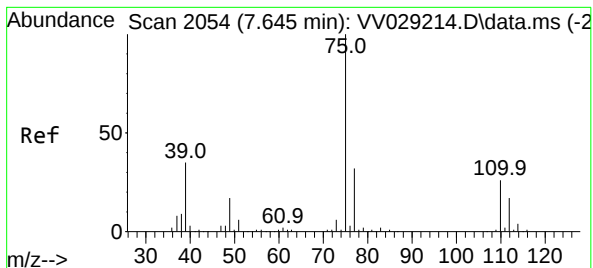
Tgt Ion: 75 Resp: 2969

Ion Ratio Lower Upper

75 100

77 42.3 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.619 min Scan# 2046

Delta R.T. -0.026 min

Lab File: VV029219.D

Acq: 20 Nov 2022 12:46

Instrument :

MSVOA_V

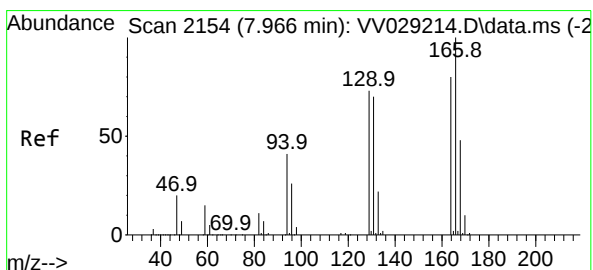
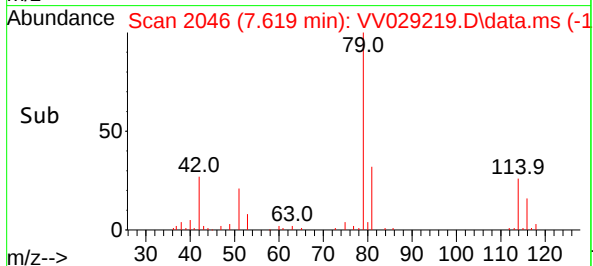
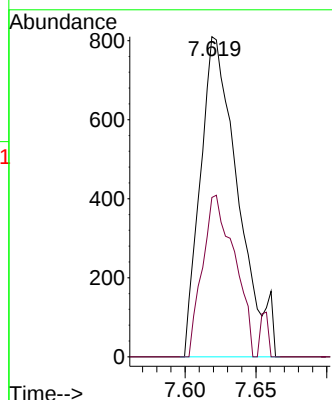
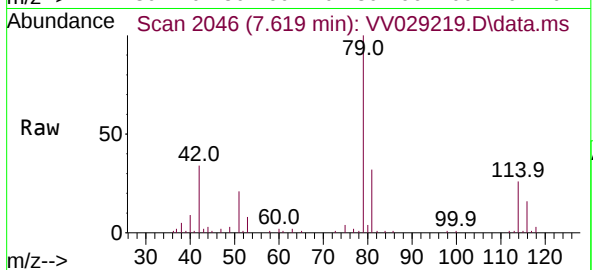
ClientSampleId :

Tgt Ion: 75 Resp: 1489

Ion Ratio Lower Upper

75 100

77 49.8 22.2 41.2#



#47

Tetrachloroethene

Concen: 21.004 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

Lab File: VV029219.D

Acq: 20 Nov 2022 12:46

Tgt Ion:164 Resp: 334738

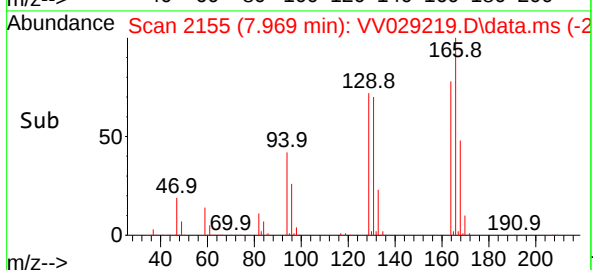
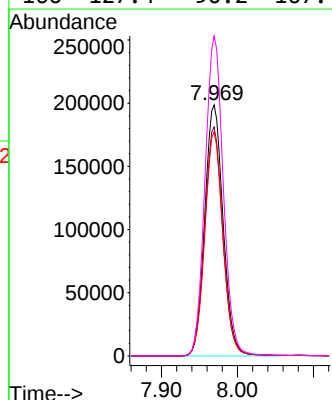
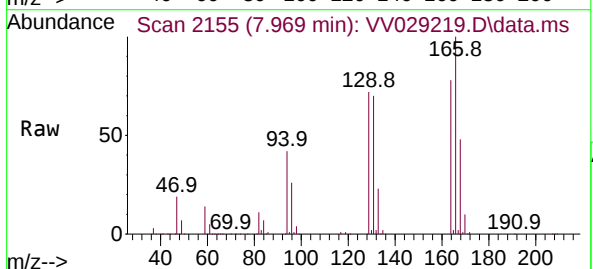
Ion Ratio Lower Upper

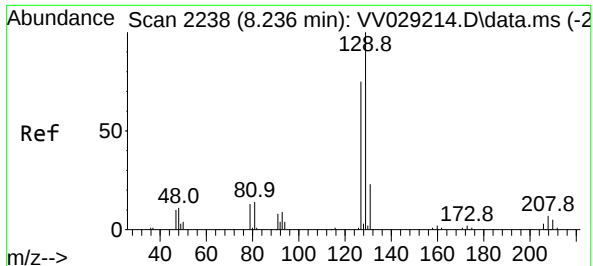
164 100

129 91.2 63.9 118.7

131 89.3 61.8 114.8

166 127.4 90.2 167.4





#49

Dibromochloromethane

Concen: 20.893 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.267 min

Lab File: VV029219.D

Acq: 20 Nov 2022 12:46

Instrument :

MSVOA_V

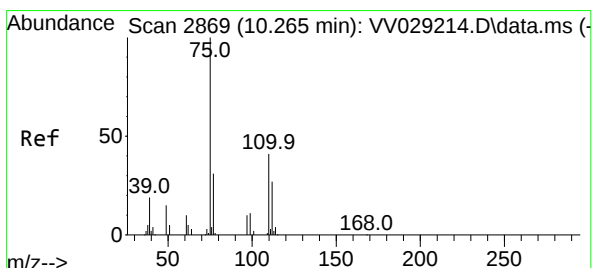
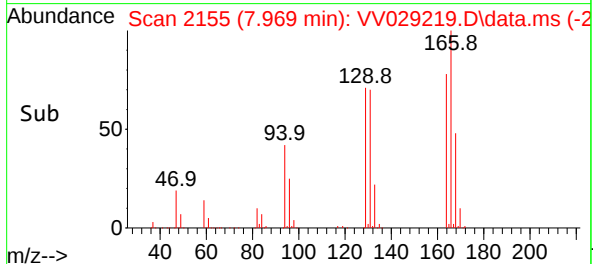
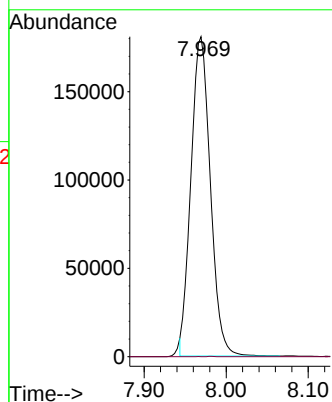
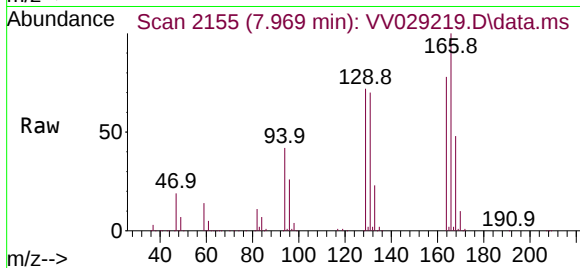
ClientSampleId :

Tgt Ion:129 Resp: 296444

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 0.077 ug/L

RT: 10.368 min Scan# 2901

Delta R.T. 0.103 min

Lab File: VV029219.D

Acq: 20 Nov 2022 12:46

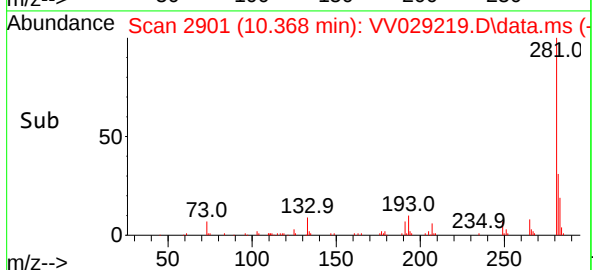
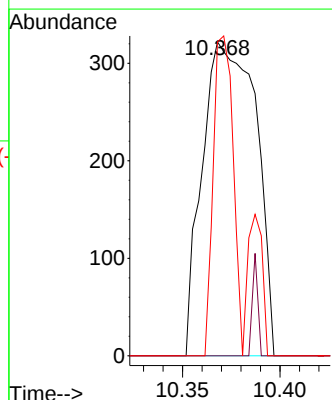
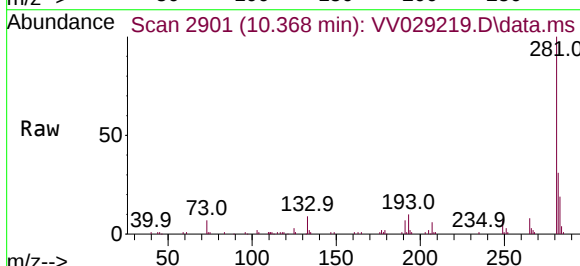
Tgt Ion: 75 Resp: 616

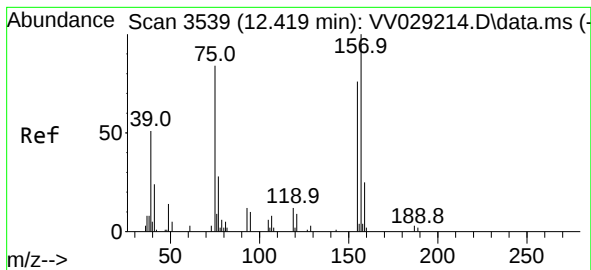
Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

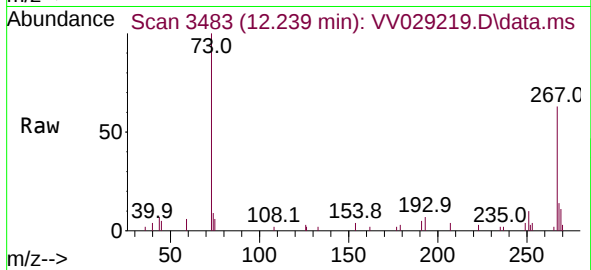
110 37.5 32.6 48.8





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.289 ug/L
 RT: 12.239 min Scan# 34
 Delta R.T. -0.180 min
 Lab File: VV029219.D
 Acq: 20 Nov 2022 12:46

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 456
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.8 97.2#
 157 0.0 86.3 129.5#

