

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029204.D
 Acq On : 20 Nov 2022 05:00
 Operator : SY/MD
 Sample : N5651-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1G8

Quant Time: Nov 20 05:25:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 03:53:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	306397	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	282025	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	128092	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	95835	5.130	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.600%
7) Chloroethane-d5	1.568	69	80847	4.923	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.108	63	124378	3.654	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.000%
20) 2-Butanone-d5	3.895	46	181572	58.068	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.140%
24) Chloroform-d	4.342	84	174804	4.558	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	5.027	65	82042	4.755	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.047	84	373598	4.438	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	6.066	67	109074	4.640	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.800%
41) Toluene-d8	7.310	98	321765	4.246	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	7.622	79	30646	3.997	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.000%
46) 2-Hexanone-d5	8.088	63	151362	46.253	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.500%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	76002	4.663	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	110069	4.803	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	30416	1.191	ug/L	96
3) Chloromethane	1.240	50	2249	0.106	ug/L	95
8) Chloroethane	1.310	64	4436	0.312	ug/L	84
9) Trichlorofluoromethane	1.751	101	6626	0.203	ug/L	93
12) 1,1-Dichloroethene	2.114	96	2807	0.151	ug/L #	1
15) Methyl Acetate	2.191	43	4154	0.851	ug/L #	44
17) Methyl tert-butyl Ether	2.770	73	3084	0.078	ug/L	97
19) 1,1-Dichloroethane	3.188	63	4603	0.131	ug/L	91
22) cis-1,2-Dichloroethene	3.912	96	9760	0.446	ug/L	90
25) Chloroform	4.375	83	8110	0.220	ug/L	97
27) 1,2-Dichloroethane	5.047	62	1897	0.100	ug/L #	70
34) Trichloroethene	5.911	95	69322	3.142	ug/L	98
35) Methylcyclohexane	6.066	83	26252	0.677	ug/L #	21
37) 1,2-Dichloropropane	6.069	63	11876	0.598	ug/L #	85
45) 1,1,2-Trichloroethane	7.966	97	13774	1.059	ug/L #	1
47) Tetrachloroethene	7.969	164	1675382	94.833	ug/L	99
49) Dibromochloromethane	7.969	129	1441549	91.649	ug/L #	10
61) 1,2,3-Trichloropropane	11.239	75	13893	1.587	ug/L #	65
68) 1,2-Dibromo-3-chloropr...	12.246	75	400	0.232	ug/L #	2

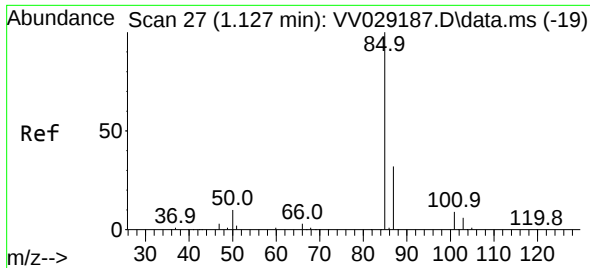
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029204.D
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Response via : Initial Calibration

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

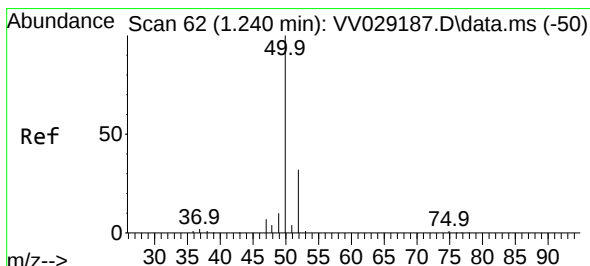
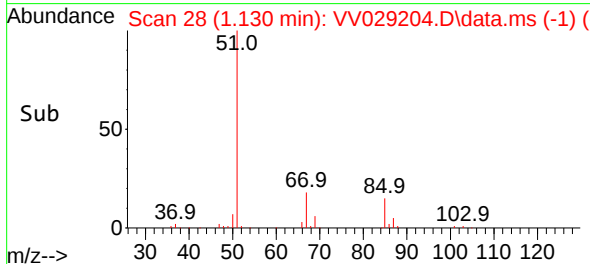
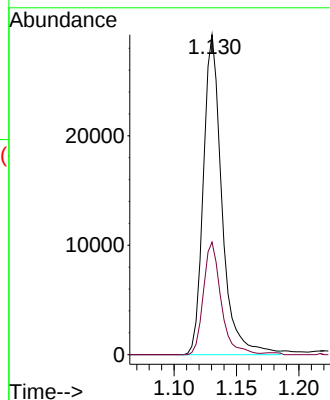
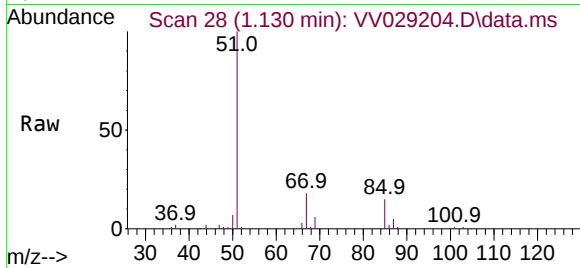
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 1.191 ug/L
RT: 1.130 min Scan# 27
Delta R.T. 0.003 min
Lab File: VV029204.D
Acq: 20 Nov 2022 05:00

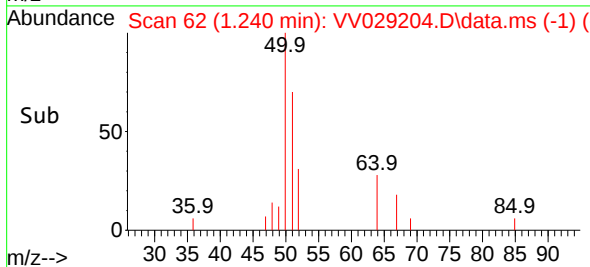
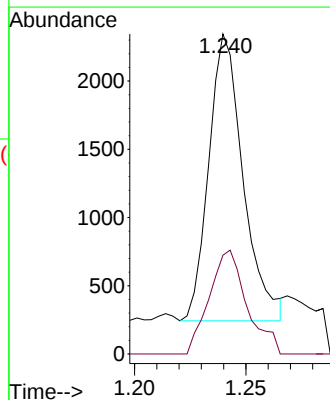
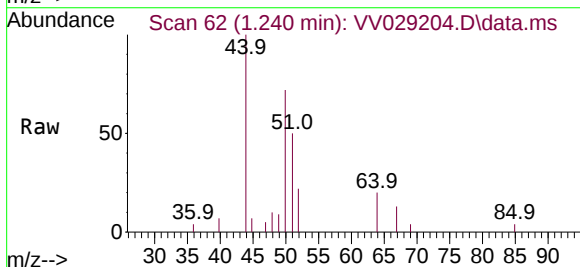
Instrument :
MSVOA_V
ClientSampleId :
BH1G8

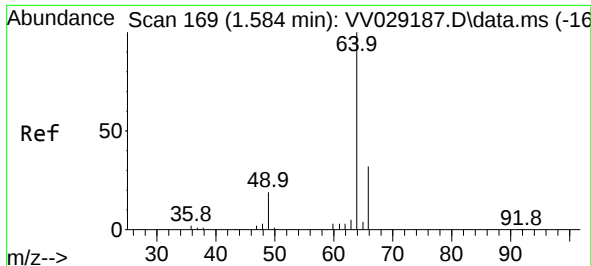
Tgt Ion: 85 Resp: 30416
Ion Ratio Lower Upper
85 100
87 33.4 25.0 37.4



#3
Chloromethane
Concen: 0.106 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.000 min
Lab File: VV029204.D
Acq: 20 Nov 2022 05:00

Tgt Ion: 50 Resp: 2249
Ion Ratio Lower Upper
50 100
52 30.9 23.7 43.9

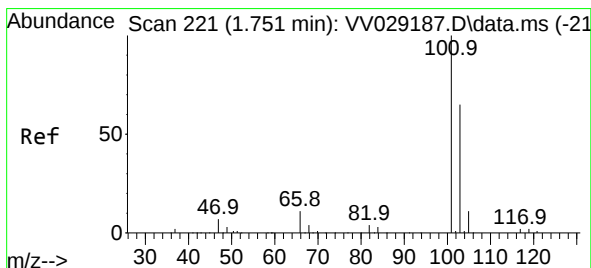
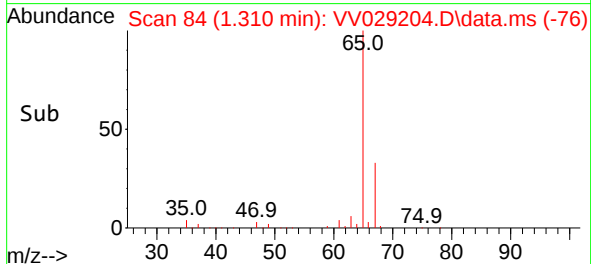
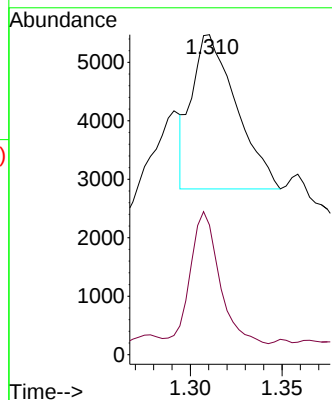
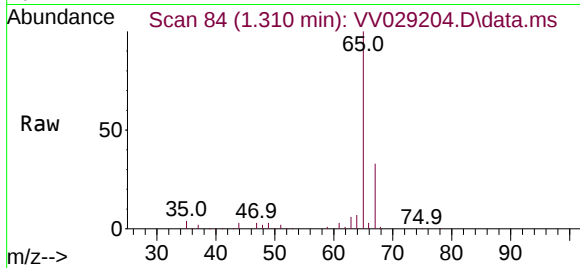




#8
Chloroethane
Concen: 0.312 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.273 min
Lab File: VV029204.D
Acq: 20 Nov 2022 05:00

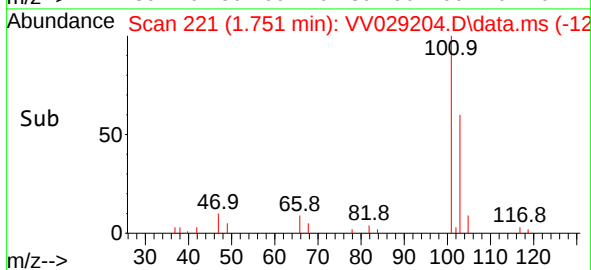
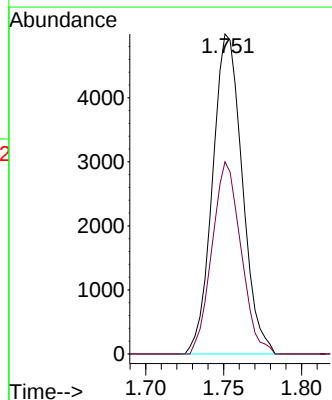
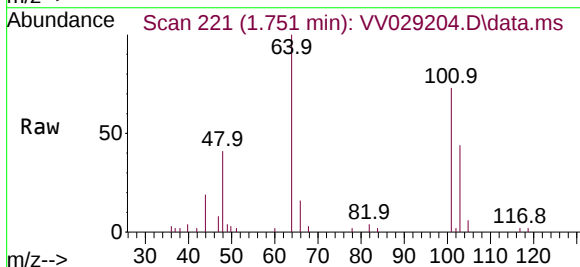
Instrument :
MSVOA_V
ClientSampleId :
BH1G8

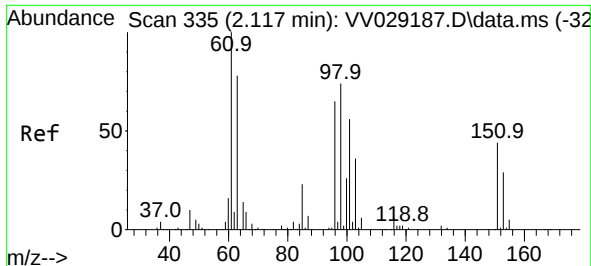
Tgt Ion: 64 Resp: 4436
Ion Ratio Lower Upper
64 100
66 40.5 22.0 40.8



#9
Trichlorofluoromethane
Concen: 0.203 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV029204.D
Acq: 20 Nov 2022 05:00

Tgt Ion: 101 Resp: 6626
Ion Ratio Lower Upper
101 100
103 58.5 51.3 76.9





#12

1,1-Dichloroethene

Concen: 0.151 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV029204.D

Acq: 20 Nov 2022 05:00

Instrument :

MSVOA_V

ClientSampleId :

BH1G8

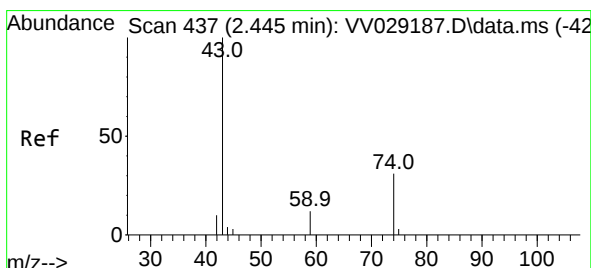
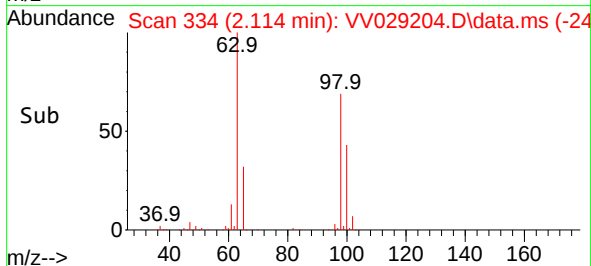
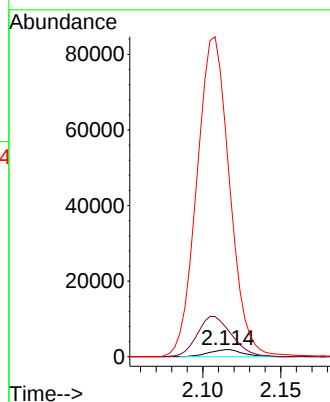
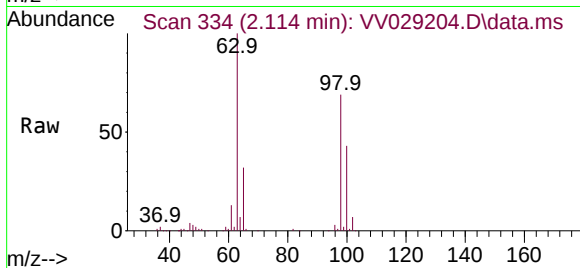
Tgt Ion: 96 Resp: 2807

Ion Ratio Lower Upper

96 100

61 429.3 104.2 193.4#

63 3280.6 75.9 140.9#



#15

Methyl Acetate

Concen: 0.851 ug/L

RT: 2.191 min Scan# 358

Delta R.T. -0.254 min

Lab File: VV029204.D

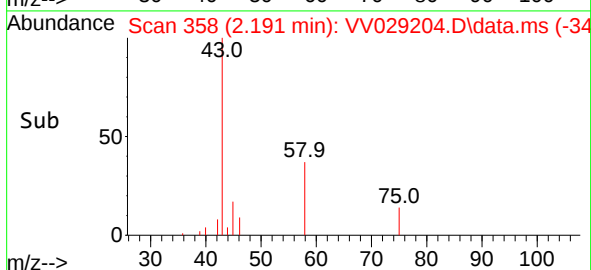
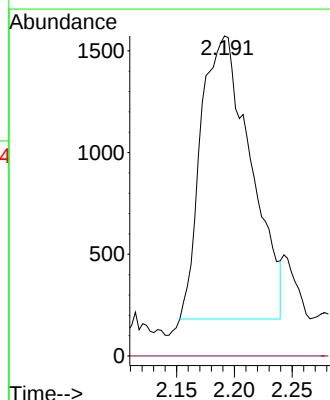
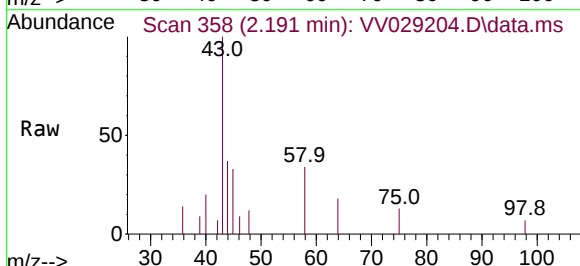
Acq: 20 Nov 2022 05:00

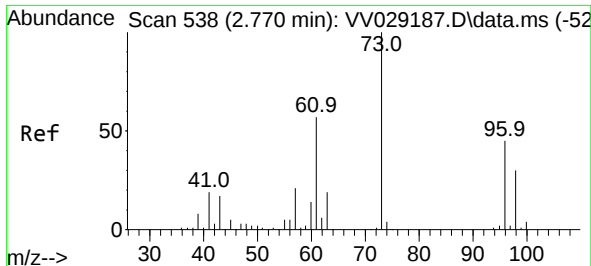
Tgt Ion: 43 Resp: 4154

Ion Ratio Lower Upper

43 100

74 0.0 24.6 37.0#

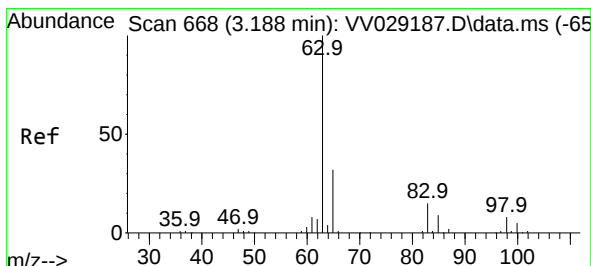
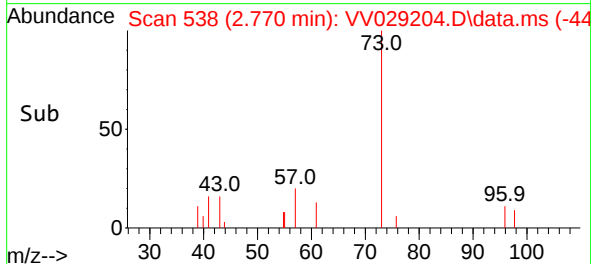
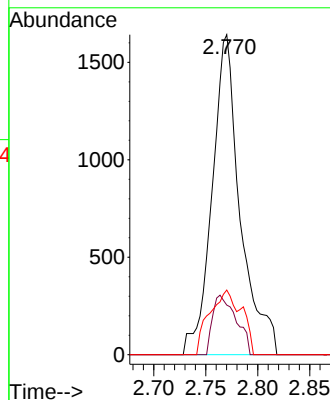
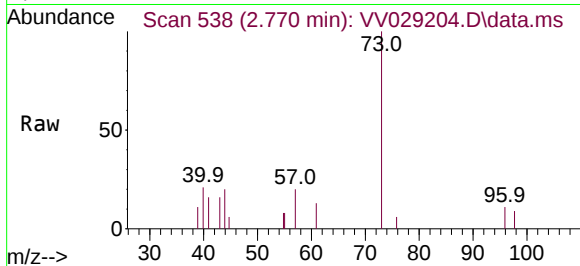




#17
Methyl tert-butyl Ether
Concen: 0.078 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV029204.D
Acq: 20 Nov 2022 05:00

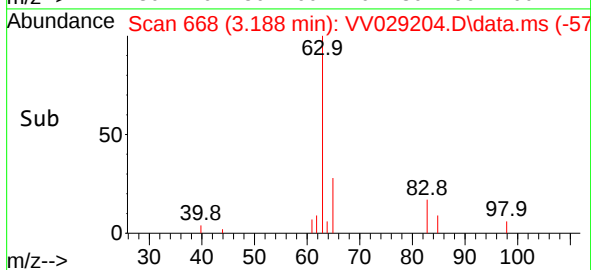
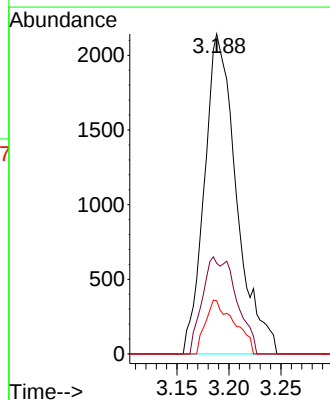
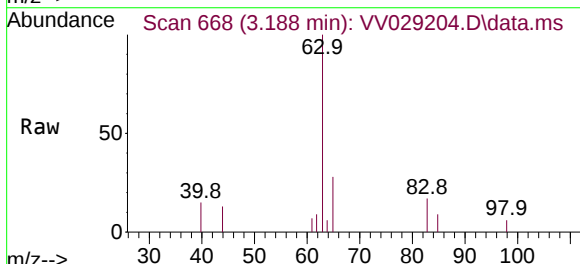
Instrument :
MSVOA_V
ClientSampleId :
BH1G8

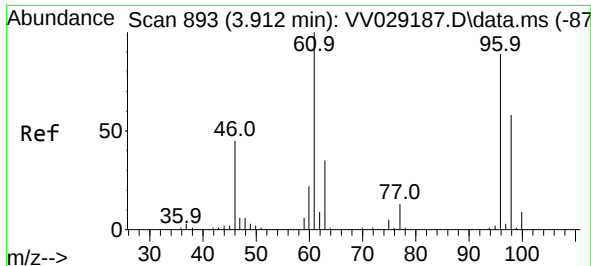
Tgt Ion: 73	Resp:	3084
Ion	Ratio	Lower Upper
73	100	
43	15.6	13.0 19.4
57	23.0	16.6 24.8



#19
1,1-Dichloroethane
Concen: 0.131 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.000 min
Lab File: VV029204.D
Acq: 20 Nov 2022 05:00

Tgt Ion: 63	Resp:	4603
Ion	Ratio	Lower Upper
63	100	
65	26.8	23.0 42.6
83	15.7	9.4 17.6





#22

cis-1,2-Dichloroethene

Concen: 0.446 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.000 min

Lab File: VV029204.D

Acq: 20 Nov 2022 05:00

Instrument :

MSVOA_V

ClientSampleId :

BH1G8

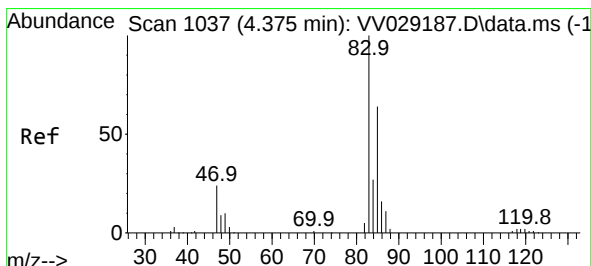
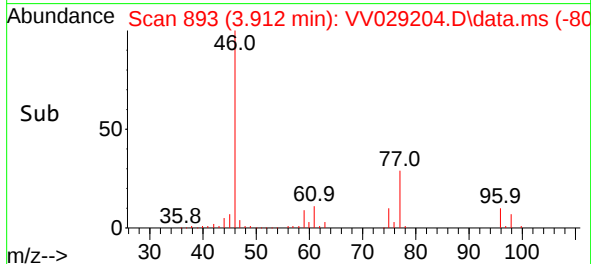
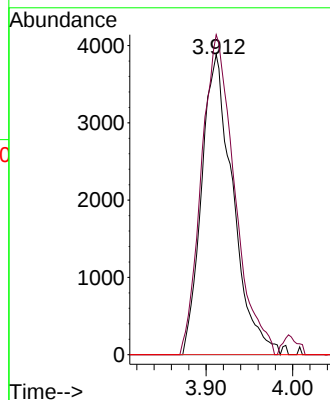
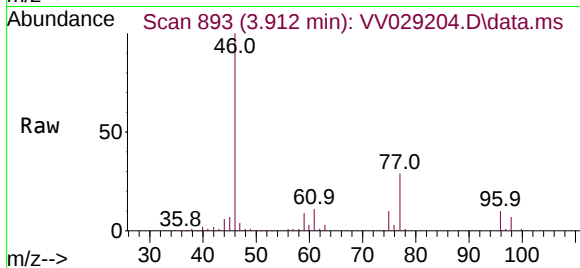
Tgt Ion: 96 Resp: 9760

Ion Ratio Lower Upper

96 100

61 106.6 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.220 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VV029204.D

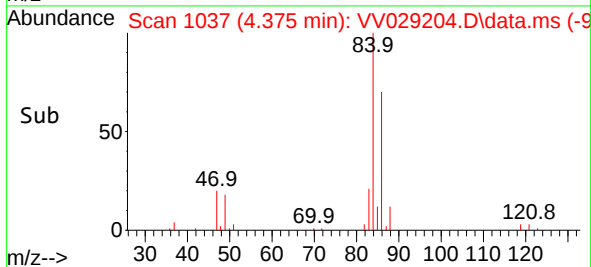
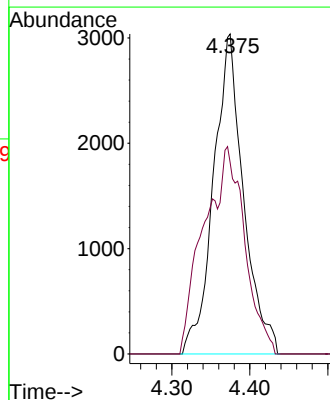
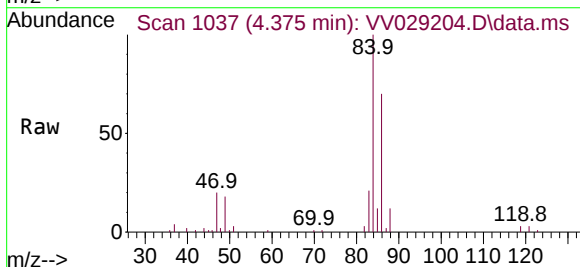
Acq: 20 Nov 2022 05:00

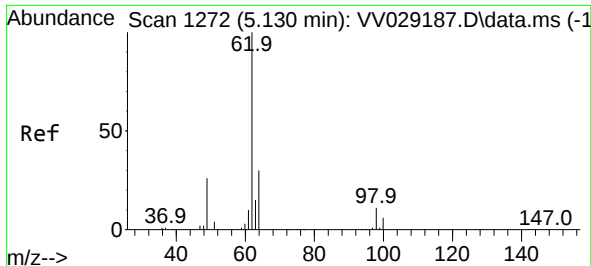
Tgt Ion: 83 Resp: 8110

Ion Ratio Lower Upper

83 100

85 59.8 43.7 81.1

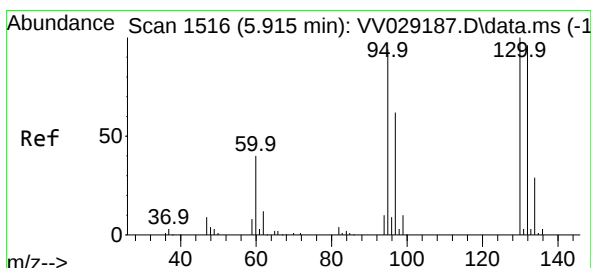
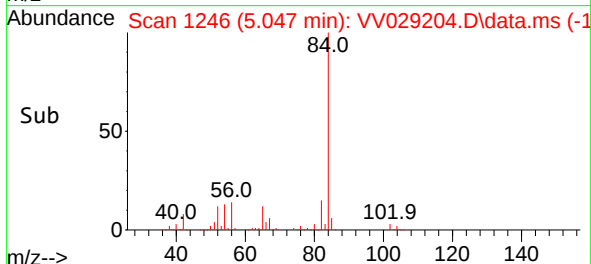
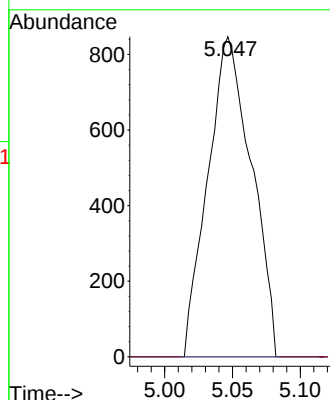
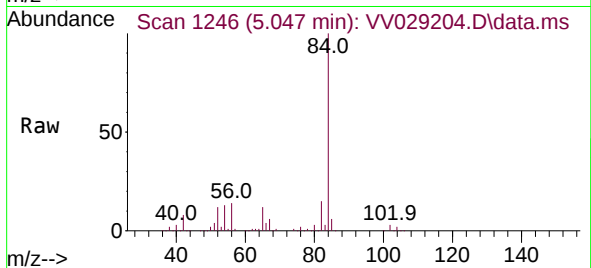




#27
1,2-Dichloroethane
Concen: 0.100 ug/L
RT: 5.047 min Scan# 11
Delta R.T. -0.084 min
Lab File: VV029204.D
Acq: 20 Nov 2022 05:00

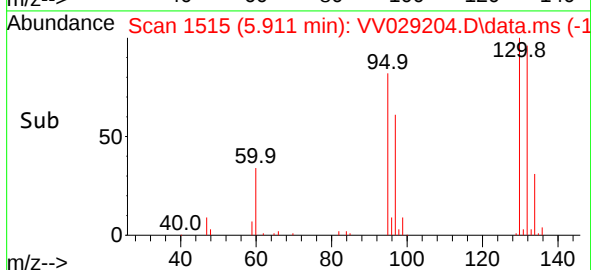
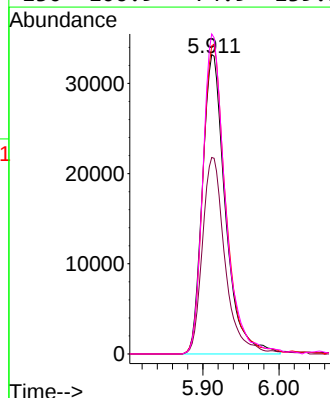
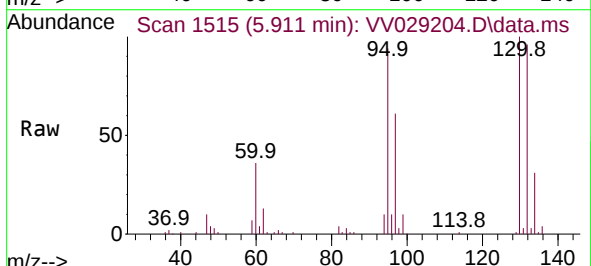
Instrument :
MSVOA_V
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BH1G8

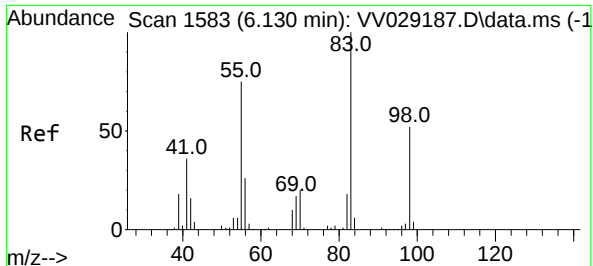
Tgt Ion: 62 Resp: 1897
Ion Ratio Lower Upper
62 100
98 0.0 9.0 13.6#



#34
Trichloroethene
Concen: 3.142 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. -0.003 min
Lab File: VV029204.D
Acq: 20 Nov 2022 05:00

Tgt Ion: 95 Resp: 69322
Ion Ratio Lower Upper
95 100
97 65.6 45.6 84.8
132 102.9 69.1 128.3
130 106.9 74.9 139.1





#35

Methylcyclohexane

Concen: 0.677 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.064 min

Lab File: VV029204.D

Acq: 20 Nov 2022 05:00

Instrument :

MSVOA_V

ClientSampleId :

BH1G8

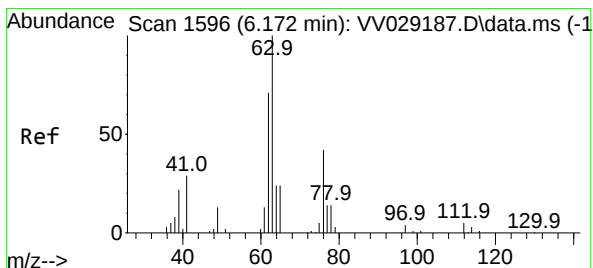
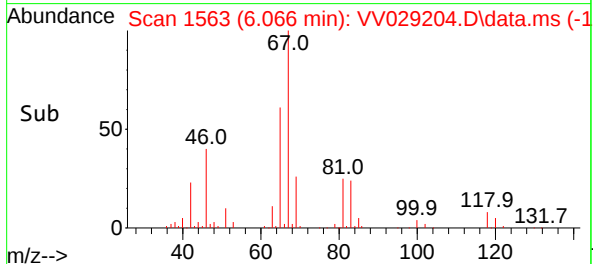
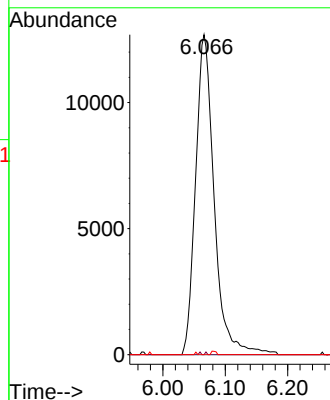
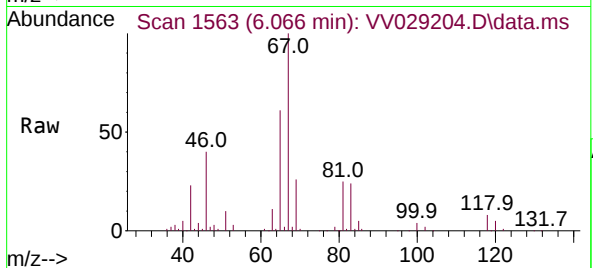
Tgt Ion: 83 Resp: 26252

Ion Ratio Lower Upper

83 100

55 0.1 55.8 83.6#

98 0.0 38.2 57.2#



#37

1,2-Dichloropropane

Concen: 0.598 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.103 min

Lab File: VV029204.D

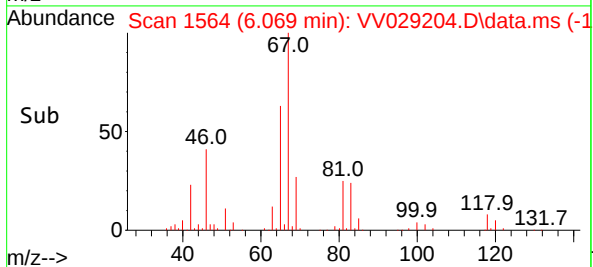
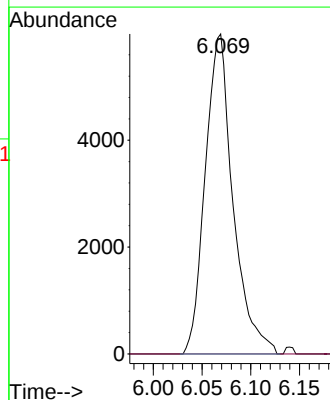
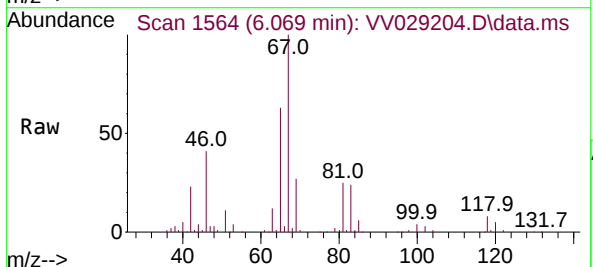
Acq: 20 Nov 2022 05:00

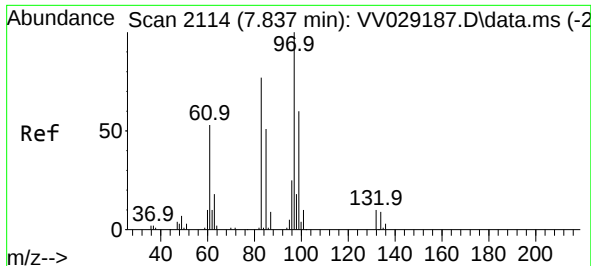
Tgt Ion: 63 Resp: 11876

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#

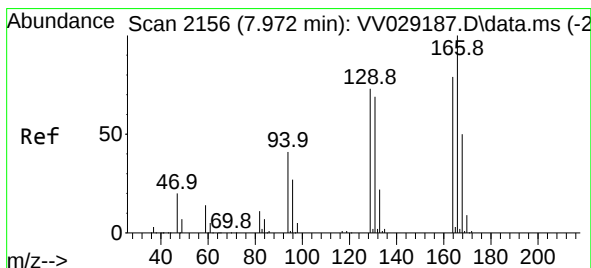
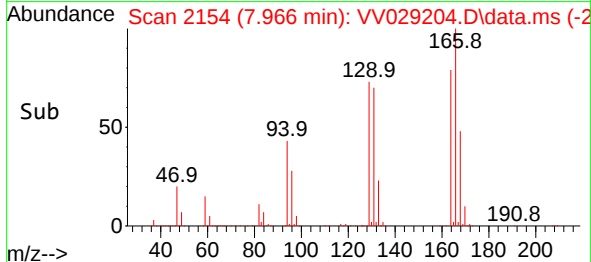
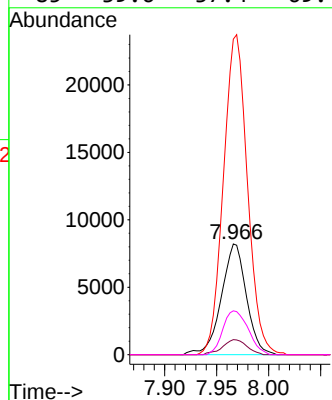
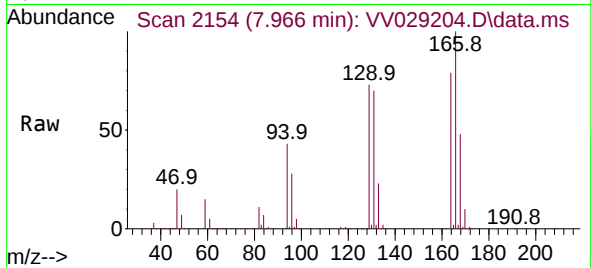




#45
1,1,2-Trichloroethane
Concen: 1.059 ug/L
RT: 7.966 min Scan# 2114
Delta R.T. 0.129 min
Lab File: VV029204.D
Acq: 20 Nov 2022 05:00

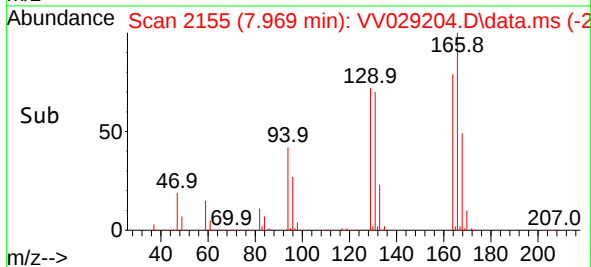
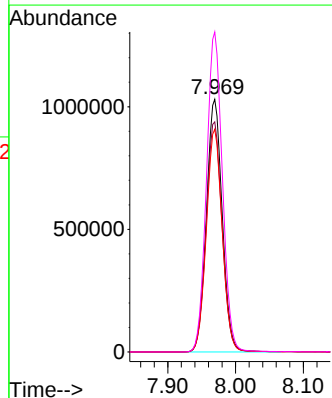
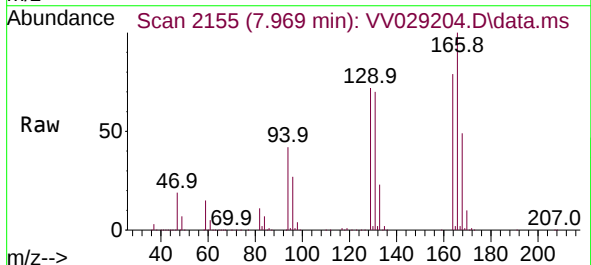
Instrument :
MSVOA_V
ClientSampleId :
BH1G8

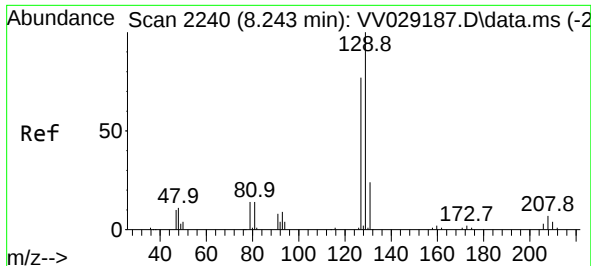
Tgt Ion: 97	Resp: 13774
Ion Ratio	Lower Upper
97 100	
99 13.5	41.5 77.1#
83 285.1	60.0 111.4#
85 39.6	37.4 69.4



#47
Tetrachloroethene
Concen: 94.833 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VV029204.D
Acq: 20 Nov 2022 05:00

Tgt Ion: 164	Resp: 1675382
Ion Ratio	Lower Upper
164 100	
129 91.1	63.9 118.7
131 88.1	61.8 114.8
166 126.6	90.2 167.4





#49

Dibromochloromethane

Concen: 91.649 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.273 min

Lab File: VV029204.D

Acq: 20 Nov 2022 05:00

Instrument :

MSVOA_V

ClientSampleId :

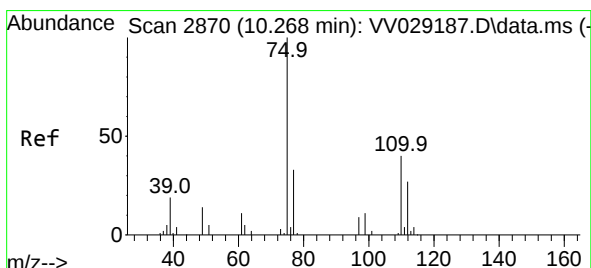
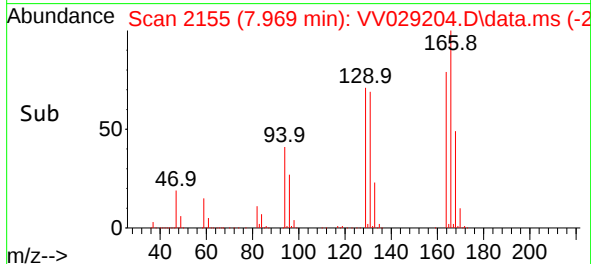
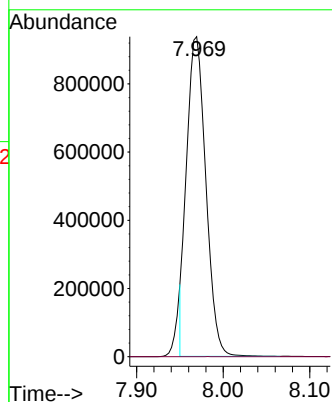
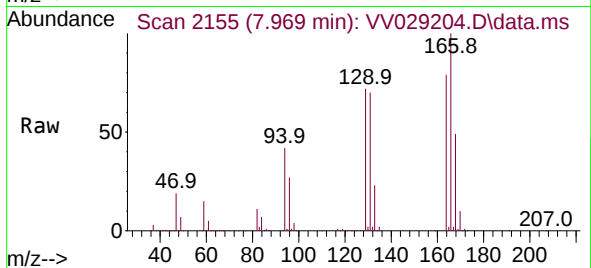
BH1G8

Tgt Ion:129 Resp: 1441549

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.587 ug/L

RT: 11.239 min Scan# 3172

Delta R.T. 0.971 min

Lab File: VV029204.D

Acq: 20 Nov 2022 05:00

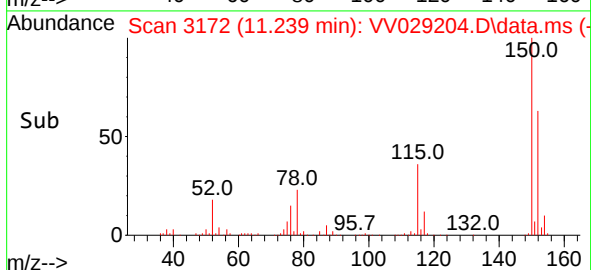
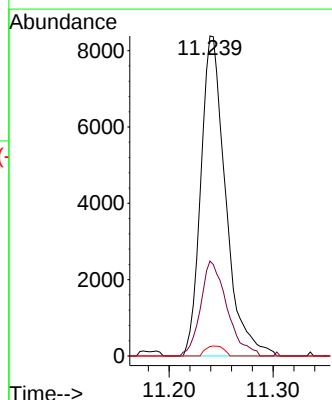
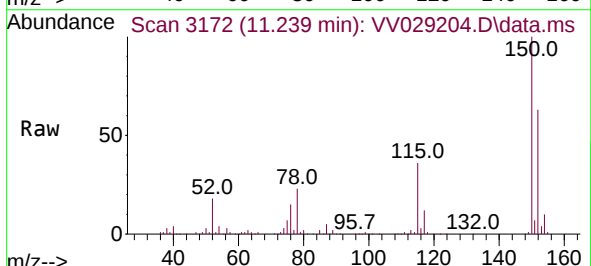
Tgt Ion: 75 Resp: 13893

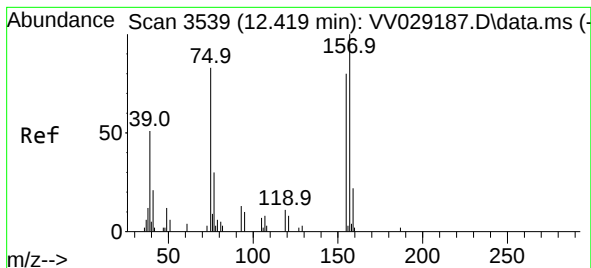
Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

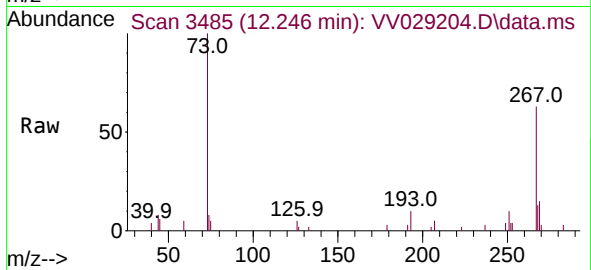
110 2.3 32.6 48.8#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.232 ug/L
 RT: 12.246 min Scan# 34
 Delta R.T. -0.174 min
 Lab File: VV029204.D
 Acq: 20 Nov 2022 05:00

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1G8



Tgt Ion: 75 Resp: 400
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.8 97.2#
 157 0.0 86.3 129.5#

