

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029240.D
 Acq On : 20 Nov 2022 22:08
 Operator : SY/MD
 Sample : N5652-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1M4

Quant Time: Nov 21 03:55:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 03:37:08 2022
 Response via : Initial Calibration

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

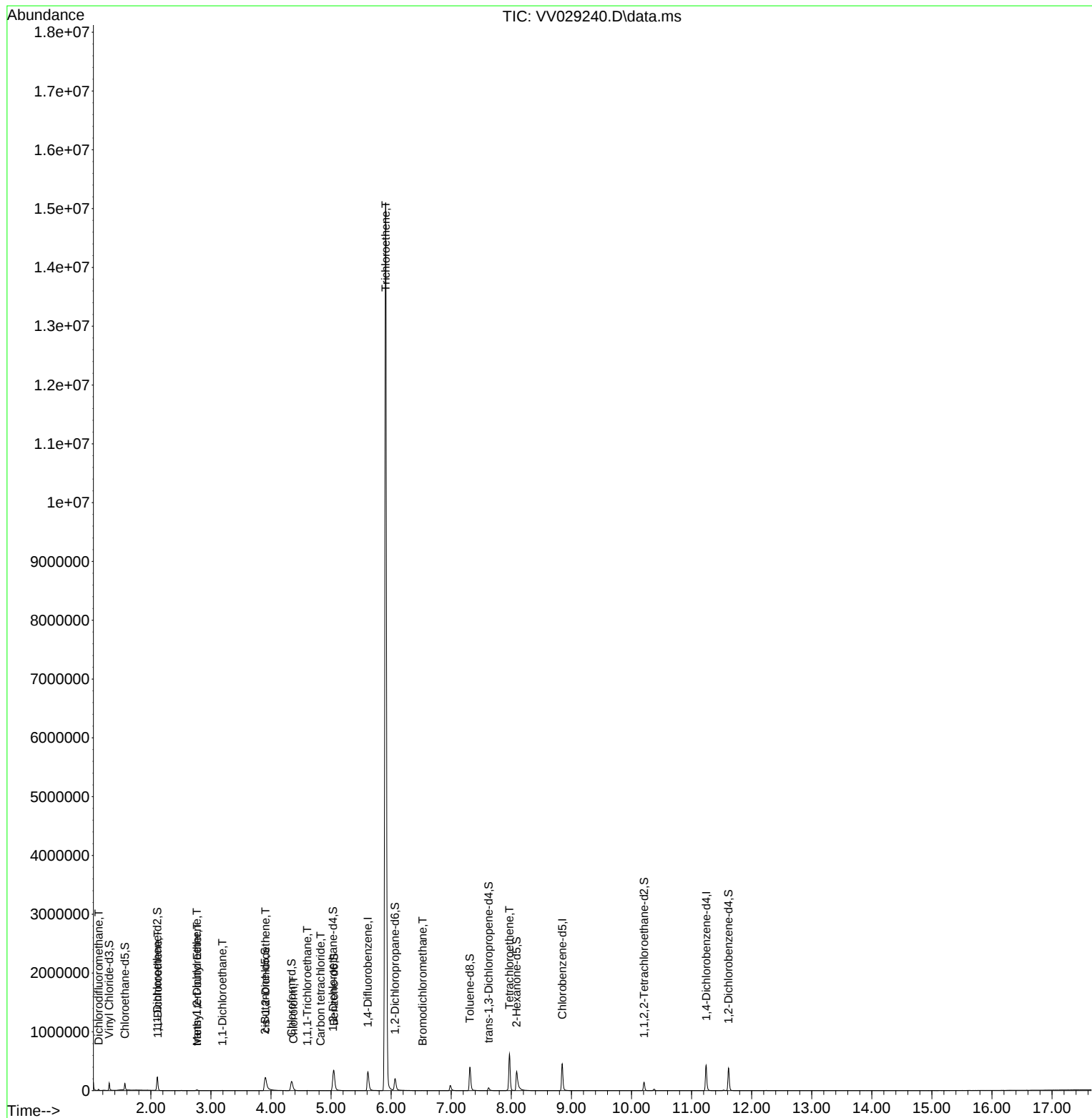
Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	305806	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	276282	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	122426	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	84738	4.545	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.000%
7) Chloroethane-d5	1.568	69	74133	4.523	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.108	63	111619	3.285	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.800%
20) 2-Butanone-d5	3.899	46	181203	58.062	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.120%
24) Chloroform-d	4.342	84	170664	4.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.031	65	78053	4.532	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.047	84	341976	4.147	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
36) 1,2-Dichloropropane-d6	6.066	67	103053	4.475	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.600%
41) Toluene-d8	7.310	98	290844	3.918	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	7.622	79	31886	4.245	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.088	63	147840	46.116	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.240%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	73502	4.604	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	11.616	152	106277	4.852	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	11180	0.439	ug/L	97
12) 1,1-Dichloroethene	2.117	96	9127	0.493	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	6911	0.174	ug/L	97
18) trans-1,2-Dichloroethene	2.764	96	3096	0.144	ug/L	97
19) 1,1-Dichloroethane	3.188	63	3214	0.092	ug/L	89
22) cis-1,2-Dichloroethene	3.908	96	94733	4.340	ug/L	96
25) Chloroform	4.375	83	12837	0.349	ug/L	89
29) 1,1,1-Trichloroethane	4.603	97	2289	0.071	ug/L #	37
31) Carbon tetrachloride	4.828	117	1168	0.042	ug/L #	70
34) Trichloroethene	5.908	95	5271644	243.898	ug/L	98
38) Bromodichloromethane	6.522	83	845	0.034	ug/L #	88
47) Tetrachloroethene	7.969	164	148510	8.581	ug/L	99

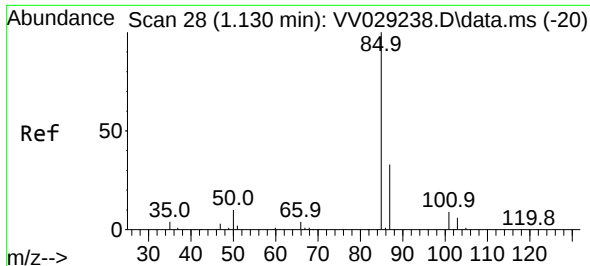
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration

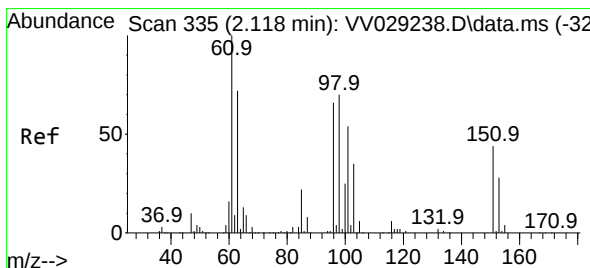
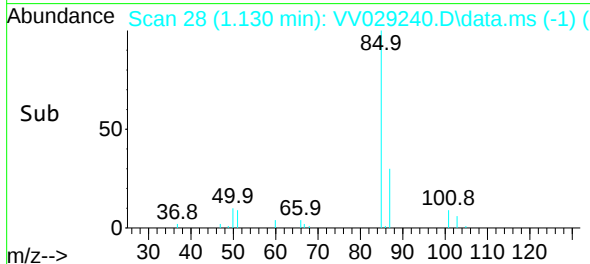
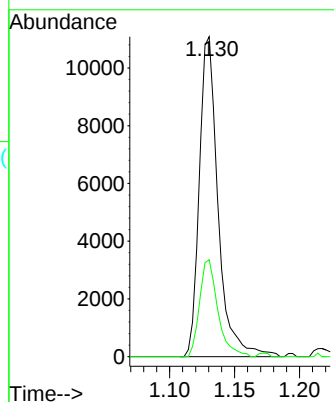
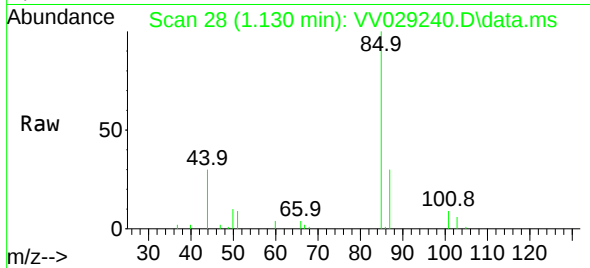




#2
 Dichlorodifluoromethane
 Concen: 0.439 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029240.D
 Acq: 20 Nov 2022 22:08

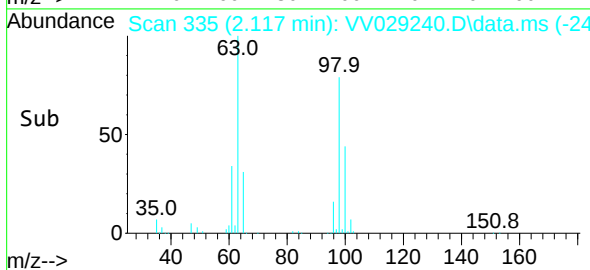
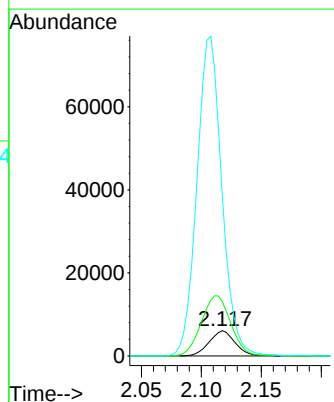
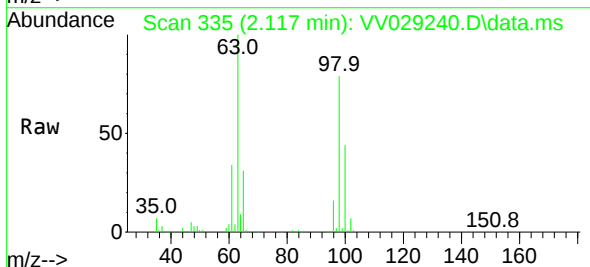
Instrument :
 MSVOA_V
 ClientSampleId :
 BH1M4

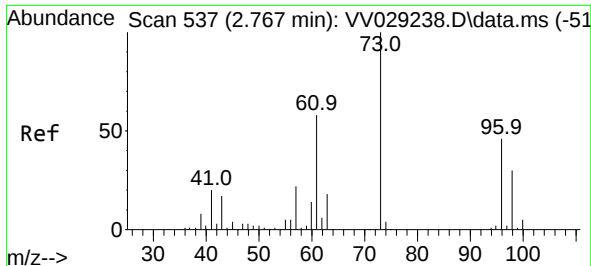
Tgt Ion: 85 Resp: 11180
 Ion Ratio Lower Upper
 85 100
 87 29.5 25.0 37.4



#12
 1,1-Dichloroethene
 Concen: 0.493 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV029240.D
 Acq: 20 Nov 2022 22:08

Tgt Ion: 96 Resp: 9127
 Ion Ratio Lower Upper
 96 100
 61 215.2 104.2 193.4#
 63 635.9 75.9 140.9#





#17

Methyl tert-butyl Ether

Concen: 0.174 ug/L

RT: 2.770 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV029240.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_V

ClientSampleId :

BH1M4

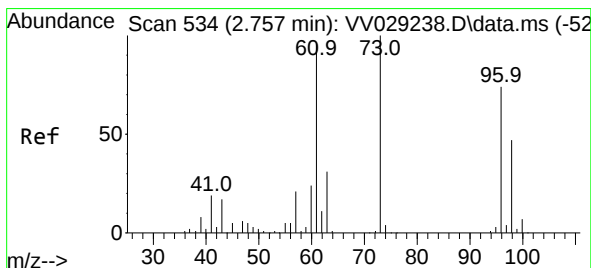
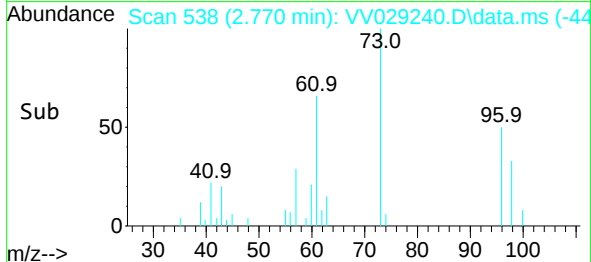
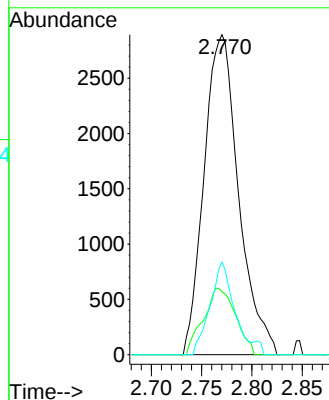
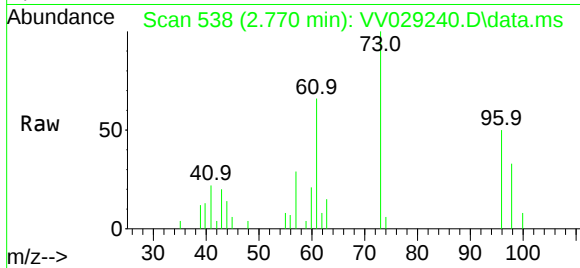
Tgt Ion: 73 Resp: 6911

Ion Ratio Lower Upper

73 100

43 19.3 13.0 19.4

57 21.0 16.6 24.8



#18

trans-1,2-Dichloroethene

Concen: 0.144 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.006 min

Lab File: VV029240.D

Acq: 20 Nov 2022 22:08

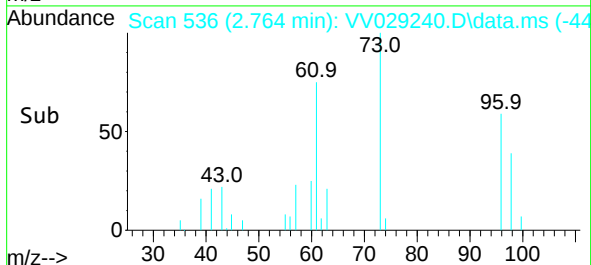
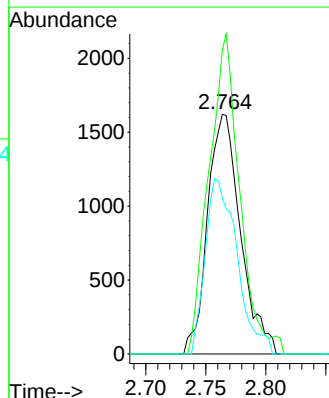
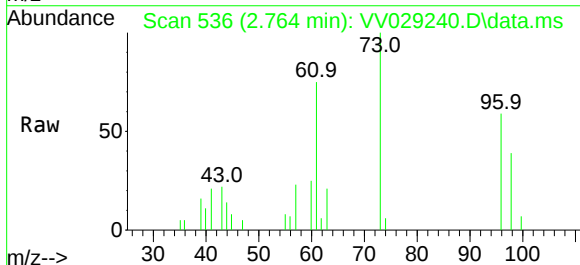
Tgt Ion: 96 Resp: 3096

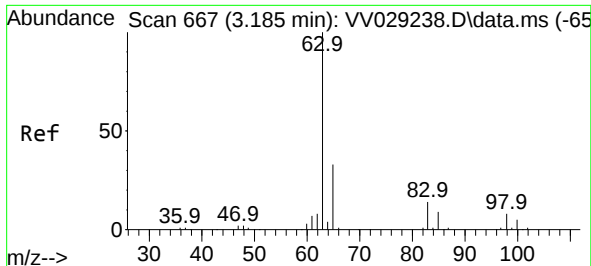
Ion Ratio Lower Upper

96 100

61 126.7 91.8 170.6

98 65.2 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.092 ug/L

RT: 3.188 min Scan# 667

Delta R.T. 0.003 min

Lab File: VV029240.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_V

ClientSampleId :

BH1M4

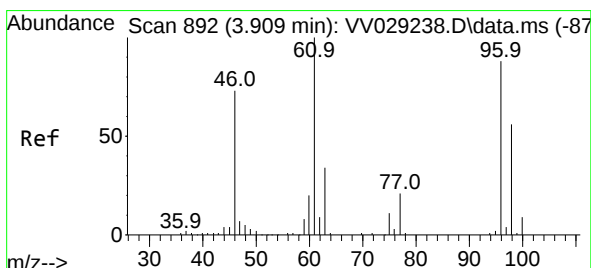
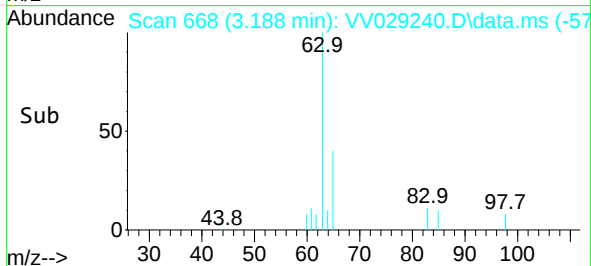
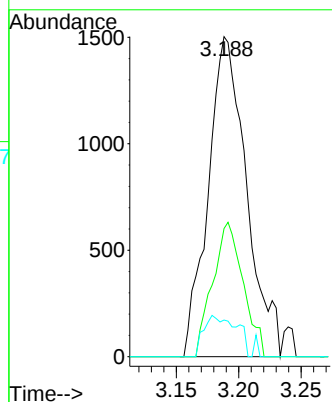
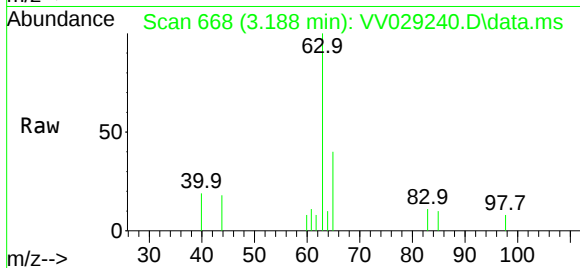
Tgt Ion: 63 Resp: 3214

Ion Ratio Lower Upper

63 100

65 40.1 23.0 42.6

83 11.4 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 4.340 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.000 min

Lab File: VV029240.D

Acq: 20 Nov 2022 22:08

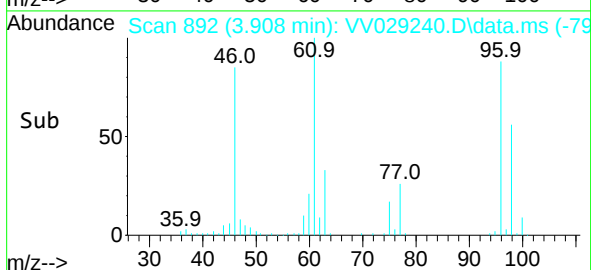
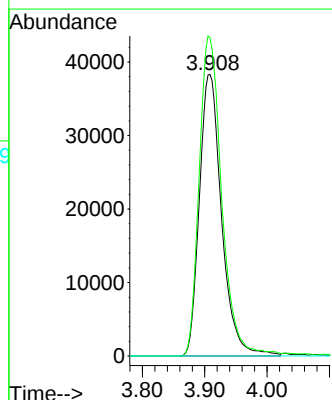
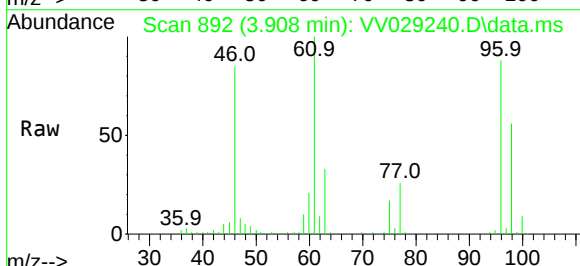
Tgt Ion: 96 Resp: 94733

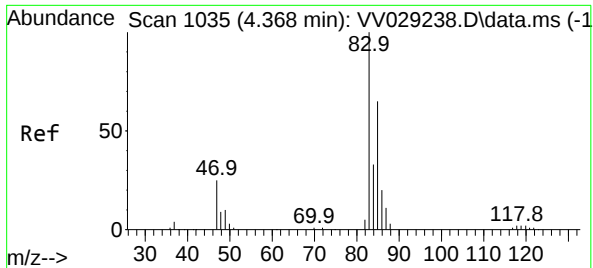
Ion Ratio Lower Upper

96 100

61 113.2 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.349 ug/L

RT: 4.375 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VV029240.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_V

ClientSampleId :

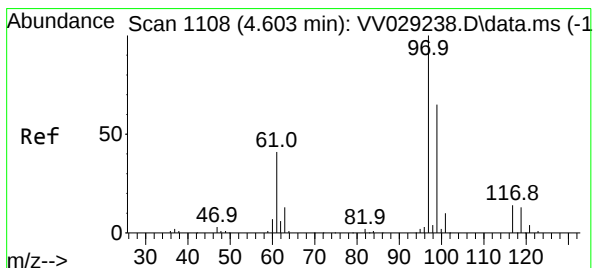
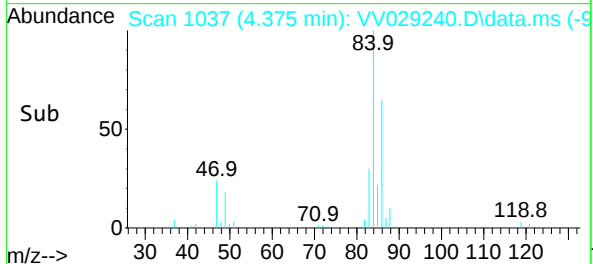
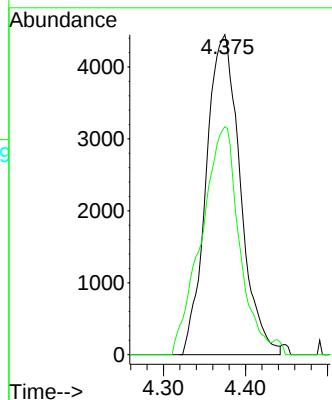
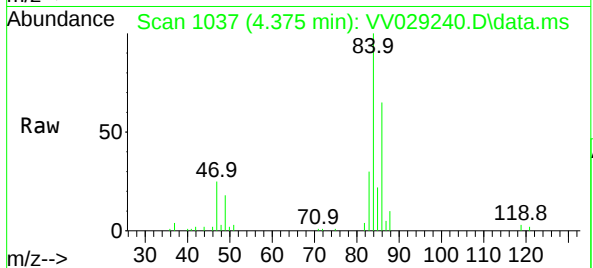
BH1M4

Tgt Ion: 83 Resp: 12837

Ion Ratio Lower Upper

83 100

85 71.3 43.7 81.1



#29

1,1,1-Trichloroethane

Concen: 0.071 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VV029240.D

Acq: 20 Nov 2022 22:08

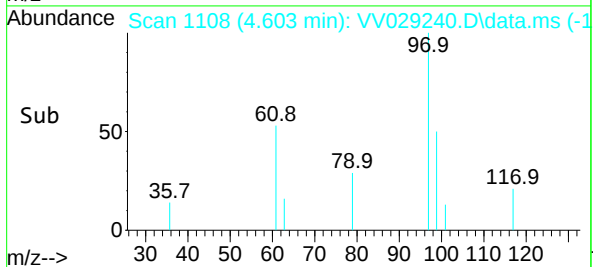
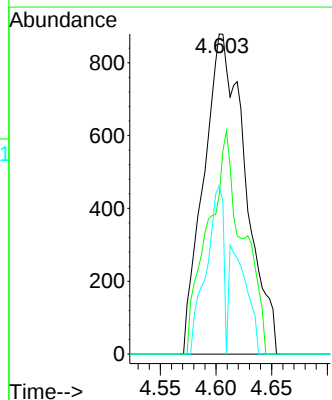
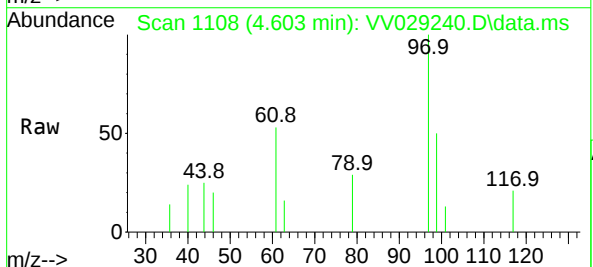
Tgt Ion: 97 Resp: 2289

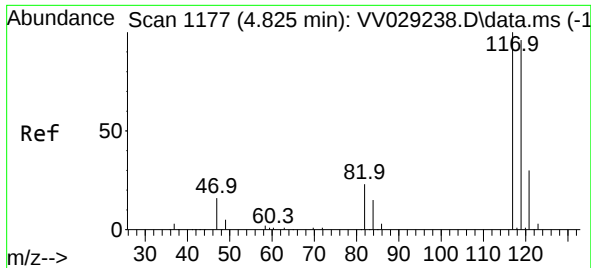
Ion Ratio Lower Upper

97 100

99 0.0 52.7 79.1#

61 21.8 33.8 50.6#

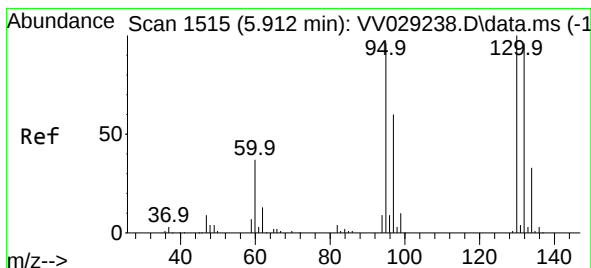
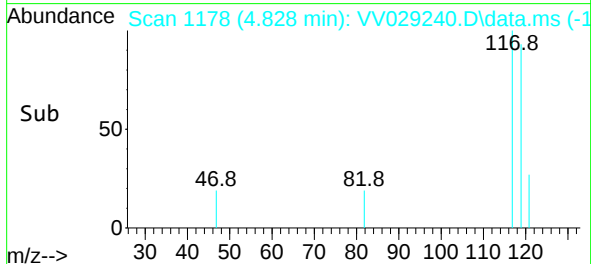
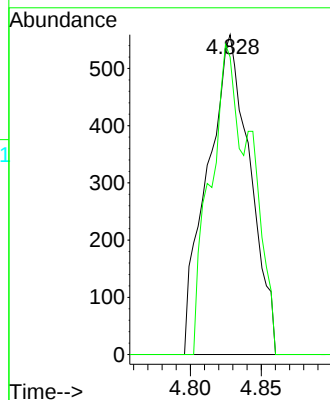
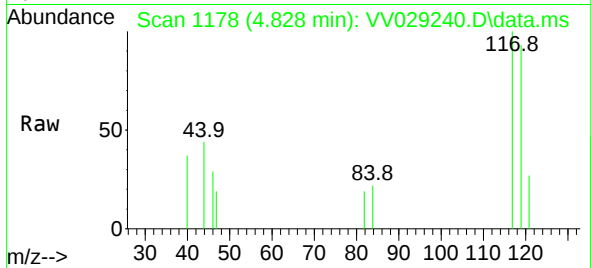




#31
Carbon tetrachloride
Concen: 0.042 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

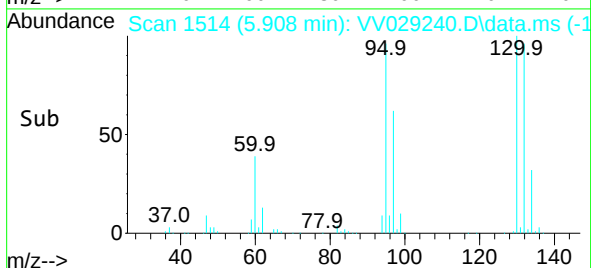
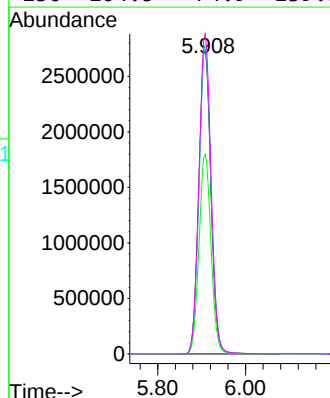
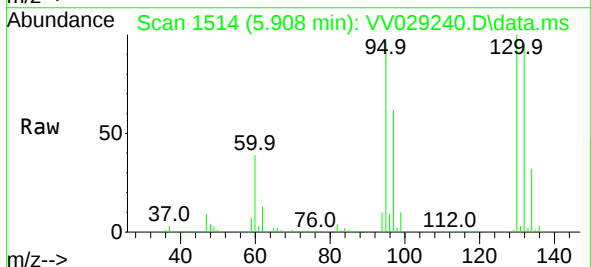
Instrument :
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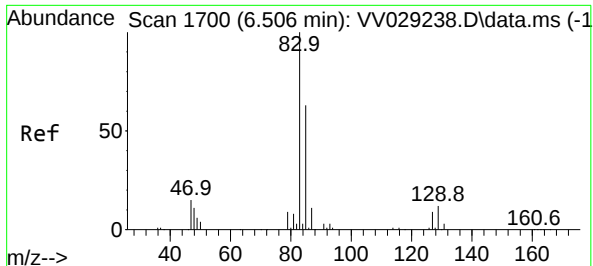
Tgt Ion:117 Resp: 1168
Ion Ratio Lower Upper
117 100
119 66.7 77.0 115.6#



#34
Trichloroethene
Concen: 243.898 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 95 Resp: 5271644
Ion Ratio Lower Upper
95 100
97 65.1 45.6 84.8
132 100.7 69.1 128.3
130 104.5 74.9 139.1

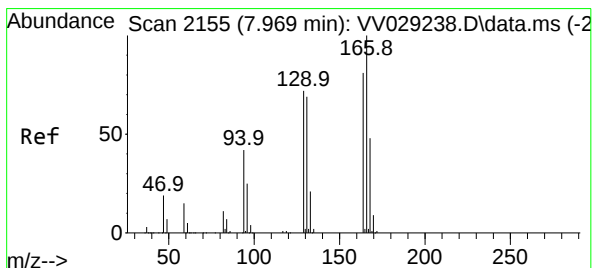
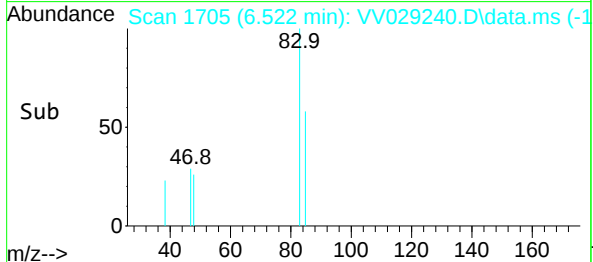
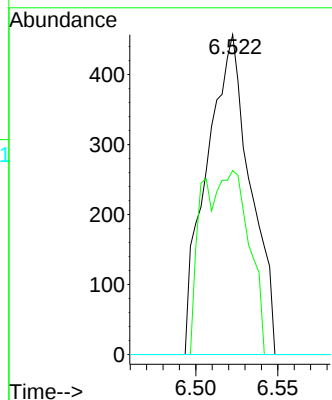
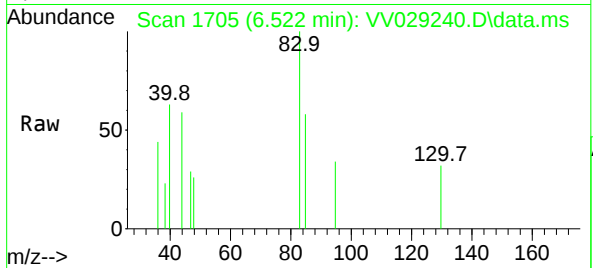




#38
Bromodichloromethane
Concen: 0.034 ug/L
RT: 6.522 min Scan# 1705
Delta R.T. 0.016 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

Instrument :
MSVOA_V
ClientSampleId :
BH1M4

Tgt Ion: 83 Resp: 845
Ion Ratio Lower Upper
83 100
85 57.5 46.1 85.5
127 0.0 6.7 10.1#



#47
Tetrachloroethene
Concen: 8.581 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.000 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

Tgt Ion:164 Resp: 148510
Ion Ratio Lower Upper
164 100
129 91.4 63.9 118.7
131 87.4 61.8 114.8
166 127.1 90.2 167.4

