

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111822\
 Data File : VW029111.D
 Acq On : 18 Nov 2022 12:23
 Operator : SY/MD
 Sample : N5648-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H46C6

Quant Time: Nov 18 23:33:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 04:35:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	280920	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	256404	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	116658	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	93053	5.433	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.600%
7) Chloroethane-d5	1.568	69	73937	4.911	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.200%
11) 1,1-Dichloroethene-d2	2.108	63	123383	3.953	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.000%
20) 2-Butanone-d5	3.886	46	214311	74.755	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	149.500%#
24) Chloroform-d	4.343	84	174339	4.958	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.031	65	83831	5.299	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.000%
32) Benzene-d6	5.047	84	365237	4.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.066	67	114649	5.365	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.200%
41) Toluene-d8	7.310	98	330203	4.793	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
43) trans-1,3-Dichloroprop...	7.622	79	31794	4.561	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.088	63	152147	51.139	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.280%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	81271	5.485	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.800%
66) 1,2-Dichlorobenzene-d4	11.616	152	117879	5.648	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.311	62	268917	12.130	ug/L	94
6) Bromomethane	1.526	94	931	0.070	ug/L #	58
8) Chloroethane	1.413	64	327570	25.145	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	1549	0.092	ug/L #	24
12) 1,1-Dichloroethene	2.118	96	7126	0.419	ug/L #	1
15) Methyl Acetate	2.497	43	4438	0.992	ug/L #	44
17) Methyl tert-butyl Ether	2.764	73	582036	15.964	ug/L	98
18) trans-1,2-Dichloroethene	2.761	96	55505	2.814	ug/L	99
19) 1,1-Dichloroethane	3.188	63	33770	1.047	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	2163003	107.871	ug/L	97
25) Chloroform	4.371	83	5322	0.157	ug/L	89
33) Benzene	5.101	78	28227	0.360	ug/L	100
34) Trichloroethene	5.908	95	2012530	100.330	ug/L	98
35) Methylcyclohexane	6.066	83	27620	0.783	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	12483	0.691	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2141	0.085	ug/L #	47
47) Tetrachloroethene	7.973	164	14330	0.892	ug/L	96
49) Dibromochloromethane	7.969	129	13252	0.927	ug/L #	10
61) 1,2,3-Trichloropropane	11.239	75	13791	1.730	ug/L #	64

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Response via : Initial Calibration

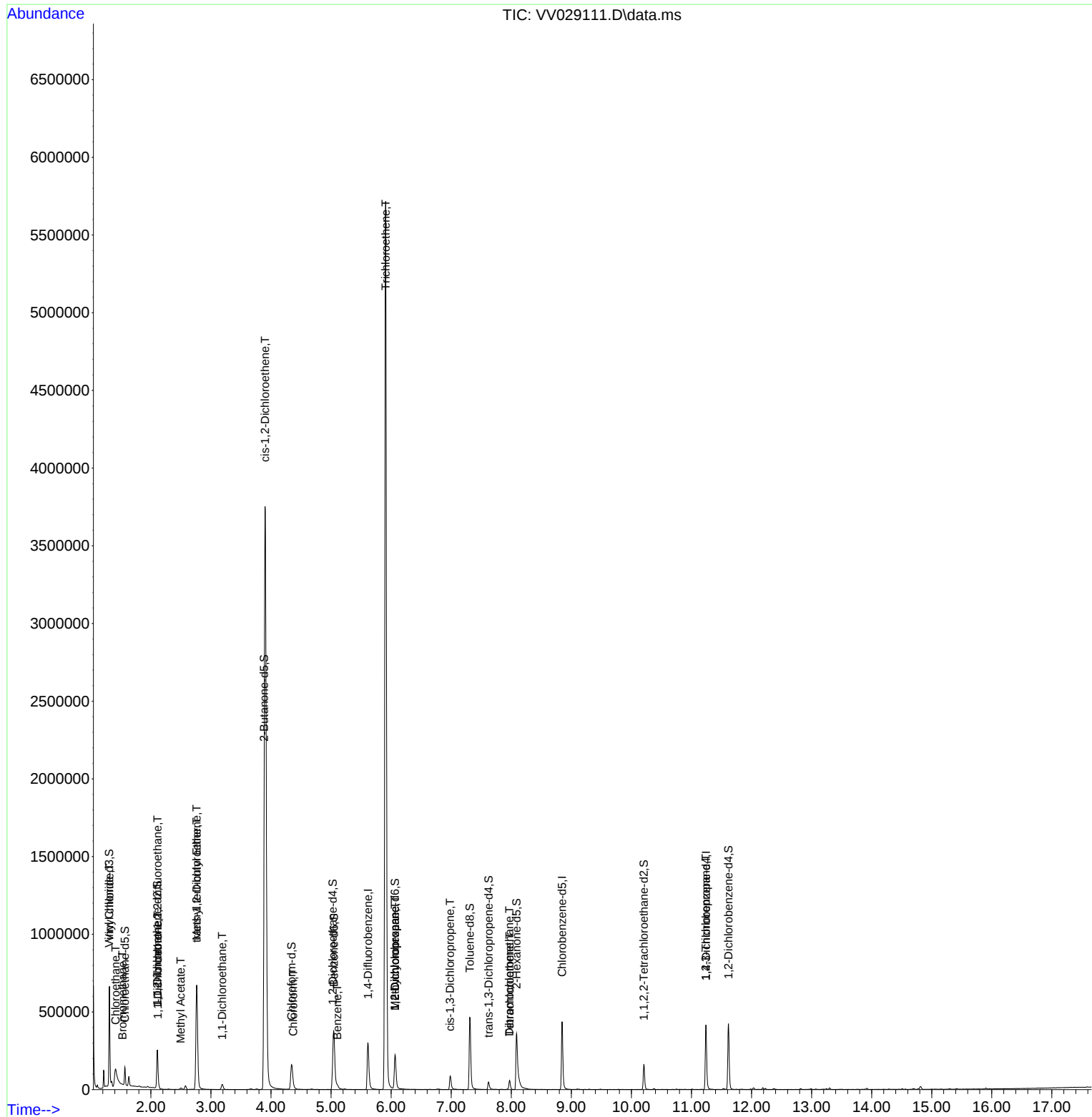
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

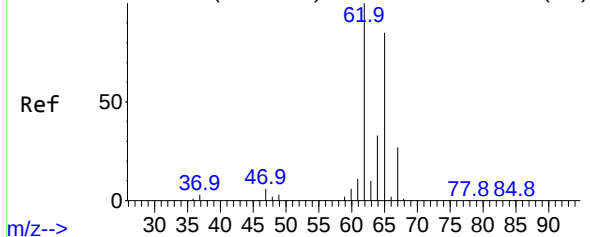
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111822\
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Abundance Scan 84 (1.310 min): VV029106.D\data.ms (-76)



#5

Vinyl chloride

Concen: 12.130 ug/L

RT: 1.311 min Scan# 84

Delta R.T. -0.000 min

Lab File: VV029111.D

Acq: 18 Nov 2022 12:23

Instrument :

MSVOA_V

ClientSampleId :

H46C6

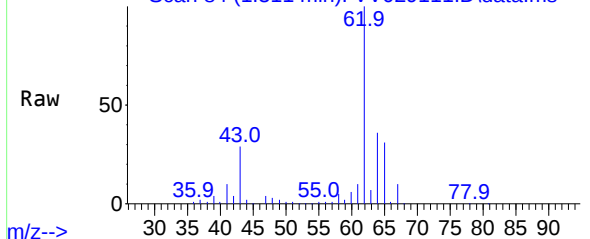
Tgt Ion: 62 Resp: 268917

Ion Ratio Lower Upper

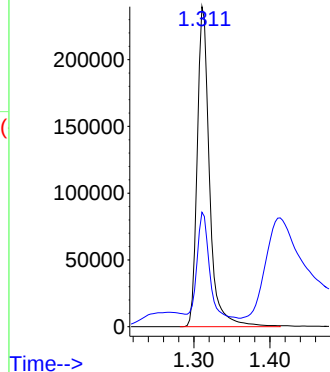
62 100

64 35.8 22.8 42.4

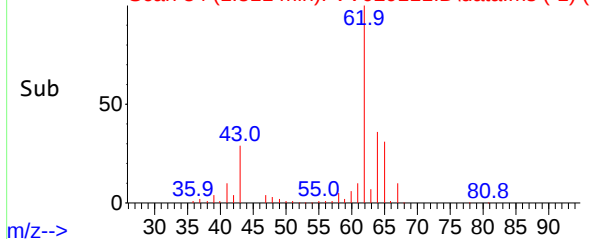
Abundance Scan 84 (1.311 min): VV029111.D\data.ms



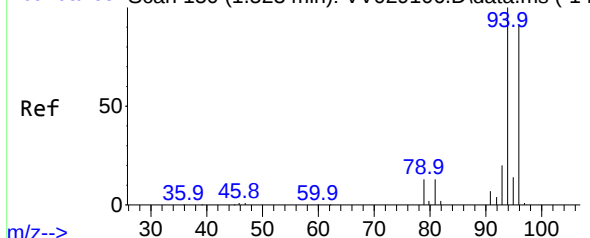
Abundance



Abundance Scan 84 (1.311 min): VV029111.D\data.ms (-1)



Abundance Scan 150 (1.523 min): VV029106.D\data.ms (-14)



#6

Bromomethane

Concen: 0.070 ug/L

RT: 1.526 min Scan# 151

Delta R.T. 0.003 min

Lab File: VV029111.D

Acq: 18 Nov 2022 12:23

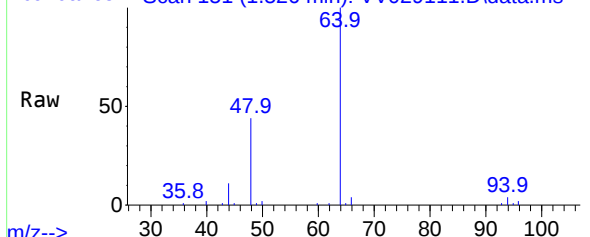
Tgt Ion: 94 Resp: 931

Ion Ratio Lower Upper

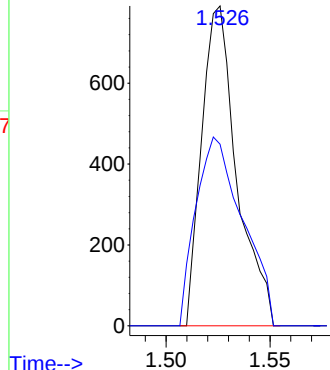
94 100

96 56.8 68.5 127.3#

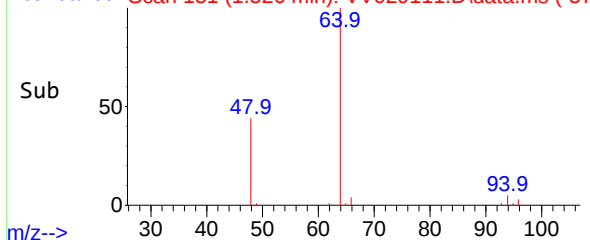
Abundance Scan 151 (1.526 min): VV029111.D\data.ms

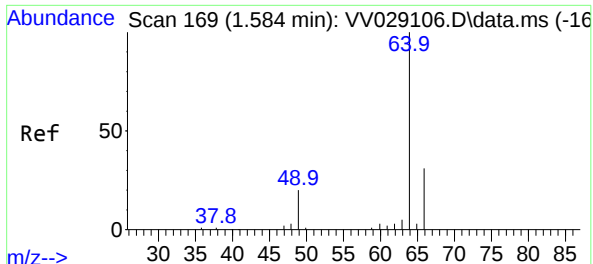


Abundance



Abundance Scan 151 (1.526 min): VV029111.D\data.ms (-57)

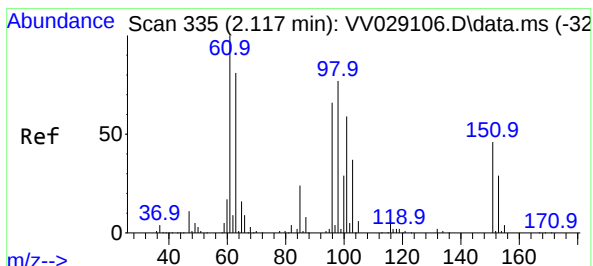
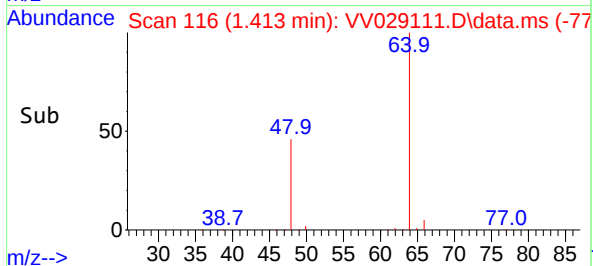
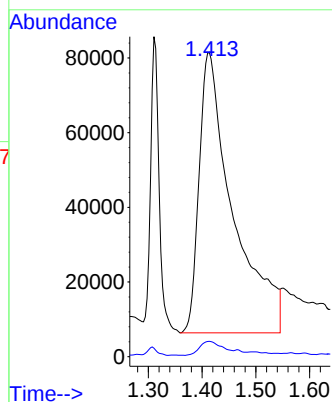
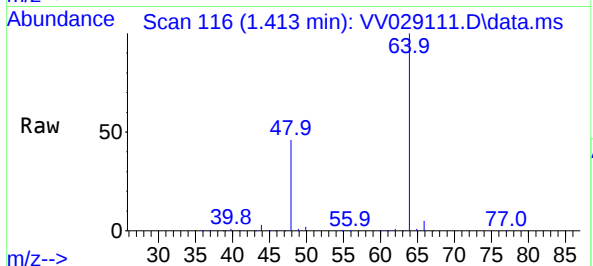




#8
Chloroethane
Concen: 25.145 ug/L
RT: 1.413 min Scan# 116
Delta R.T. -0.174 min
Lab File: VV029111.D
Acq: 18 Nov 2022 12:23

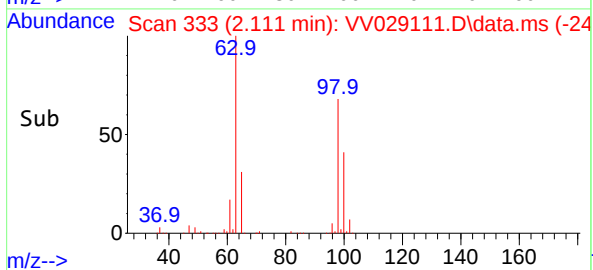
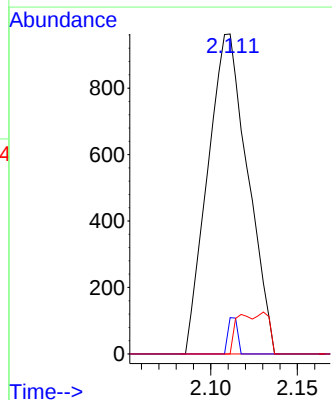
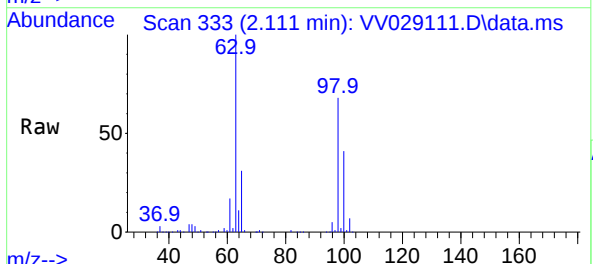
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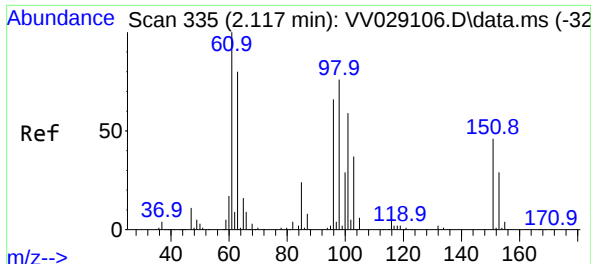
Tgt Ion: 64 Resp: 327570
Ion Ratio Lower Upper
64 100
66 5.0 22.0 40.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.092 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV029111.D
Acq: 18 Nov 2022 12:23

Tgt Ion:101 Resp: 1549
Ion Ratio Lower Upper
101 100
85 2.7 32.9 49.3#
151 5.6 62.5 93.7#

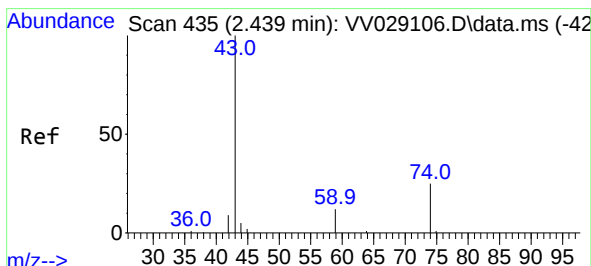
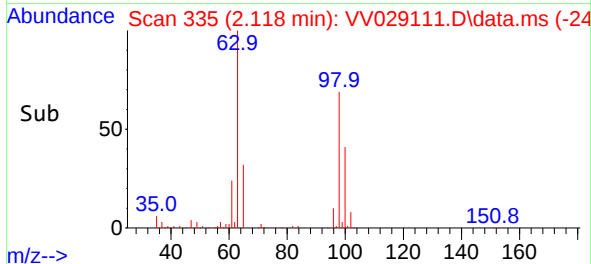
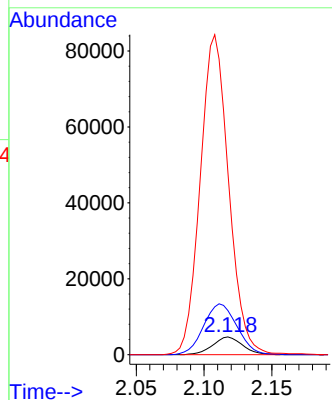
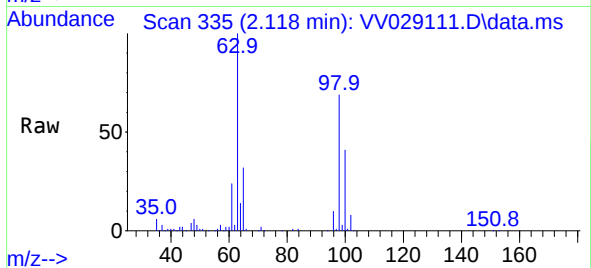




#12
1,1-Dichloroethene
Concen: 0.419 ug/L
RT: 2.118 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV029111.D
Acq: 18 Nov 2022 12:23

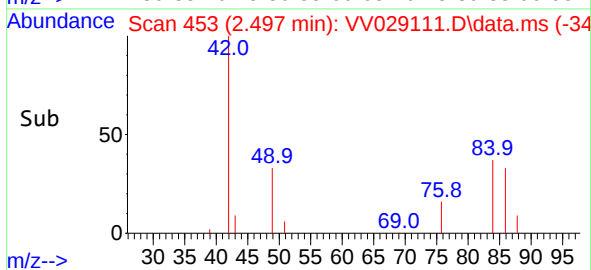
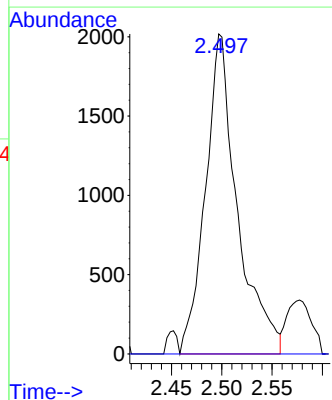
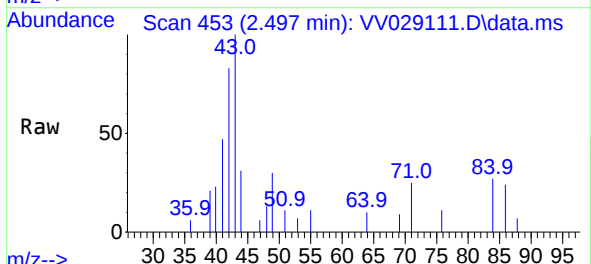
Instrument :
MSVOA_V
ClientSampleId :
H46C6

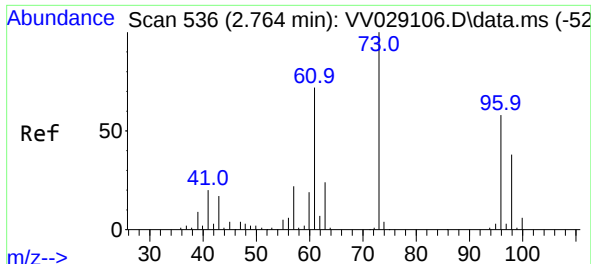
Tgt Ion: 96 Resp: 7126
Ion Ratio Lower Upper
96 100
61 249.0 104.2 193.4#
63 1031.4 75.9 140.9#



#15
Methyl Acetate
Concen: 0.992 ug/L
RT: 2.497 min Scan# 453
Delta R.T. 0.058 min
Lab File: VV029111.D
Acq: 18 Nov 2022 12:23

Tgt Ion: 43 Resp: 4438
Ion Ratio Lower Upper
43 100
74 0.0 24.6 37.0#

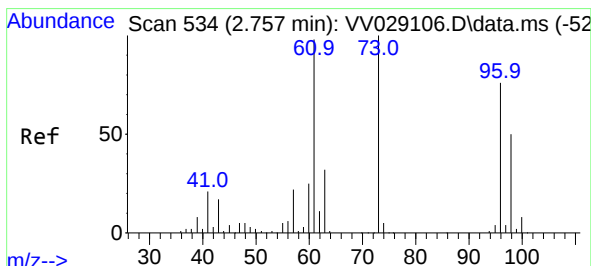
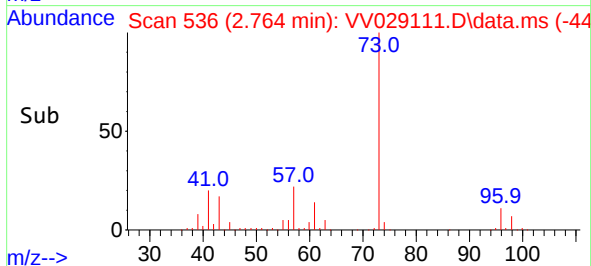
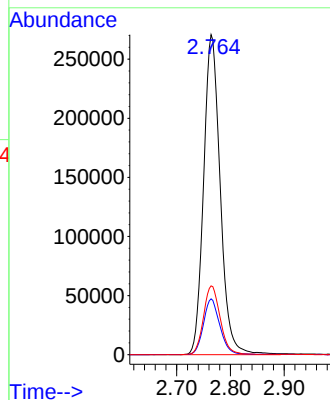
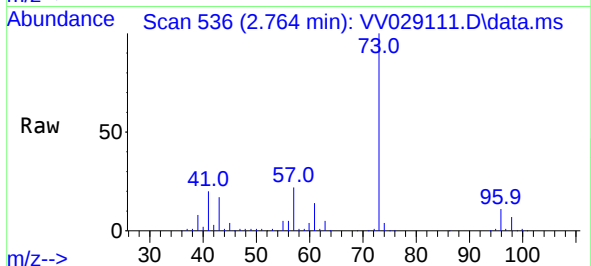




#17
Methyl tert-butyl Ether
Concen: 15.964 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV029111.D
Acq: 18 Nov 2022 12:23

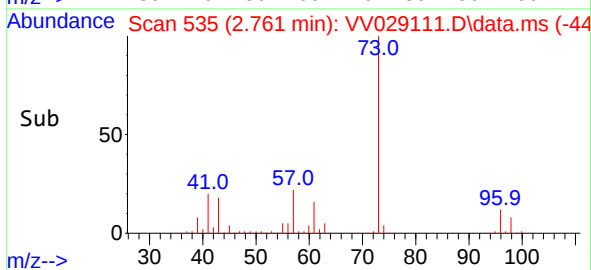
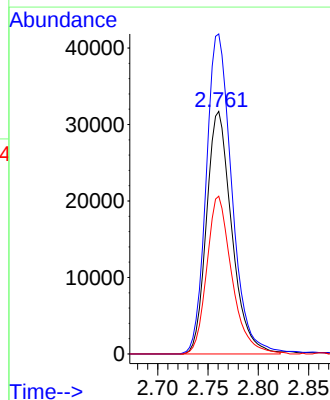
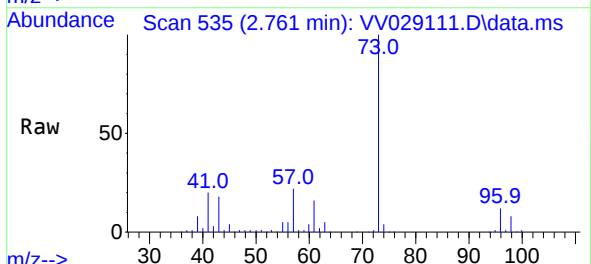
Instrument :
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ClientSampleId :
H46C6

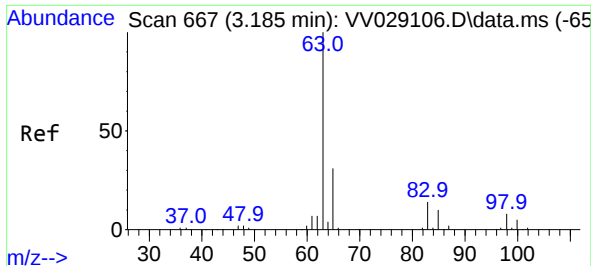
Tgt Ion: 73 Resp: 582036
Ion Ratio Lower Upper
73 100
43 17.1 13.0 19.4
57 21.7 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 2.814 ug/L
RT: 2.761 min Scan# 535
Delta R.T. -0.000 min
Lab File: VV029111.D
Acq: 18 Nov 2022 12:23

Tgt Ion: 96 Resp: 55505
Ion Ratio Lower Upper
96 100
61 131.9 91.8 170.6
98 65.0 46.4 86.2





#19

1,1-Dichloroethane

Concen: 1.047 ug/L

RT: 3.188 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV029111.D

Acq: 18 Nov 2022 12:23

Instrument :

MSVOA_V

ClientSampleId :

H46C6

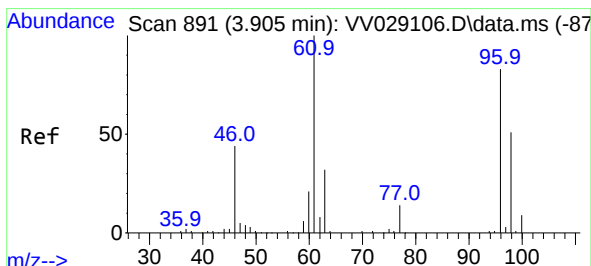
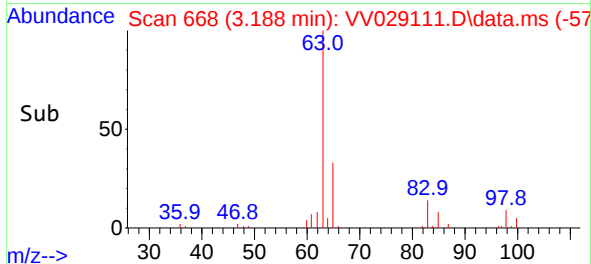
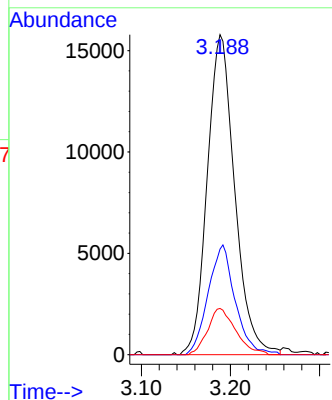
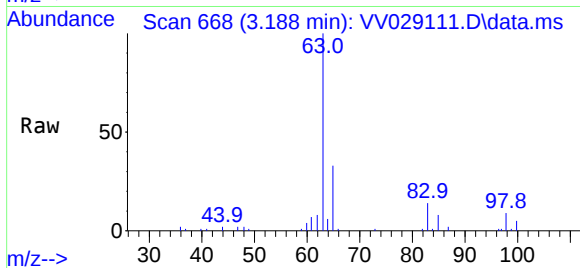
Tgt Ion: 63 Resp: 33770

Ion Ratio Lower Upper

63 100

65 33.0 23.0 42.6

83 14.5 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 107.871 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.010 min

Lab File: VV029111.D

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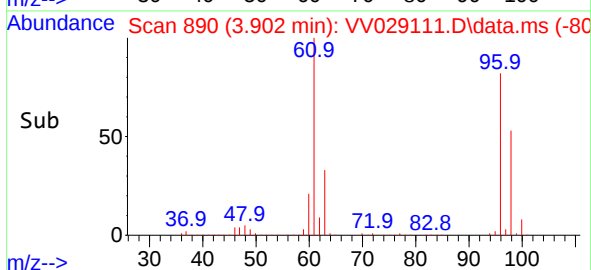
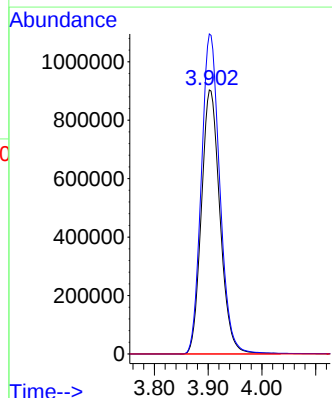
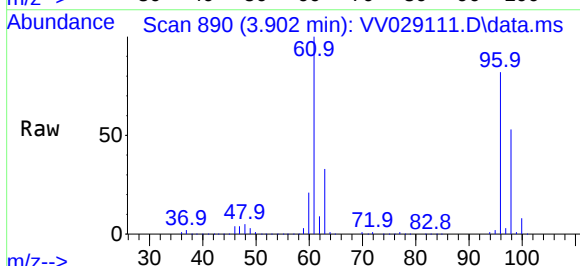
Tgt Ion: 96 Resp: 2163003

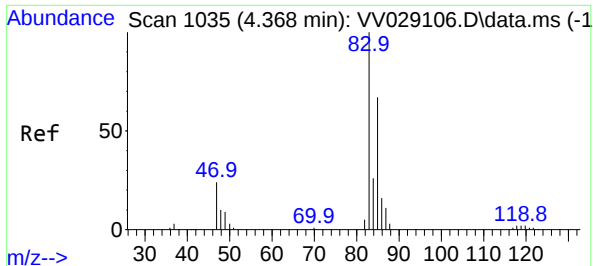
Ion Ratio Lower Upper

96 100

61 121.2 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.157 ug/L

RT: 4.371 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VV029111.D

Acq: 18 Nov 2022 12:23

Instrument :

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ClientSampleId :

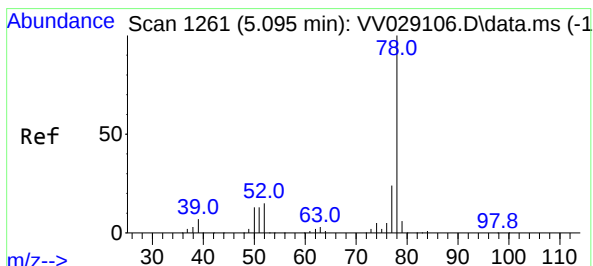
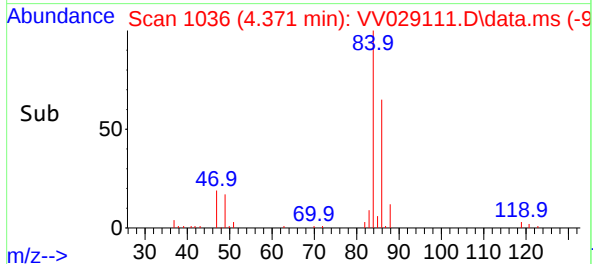
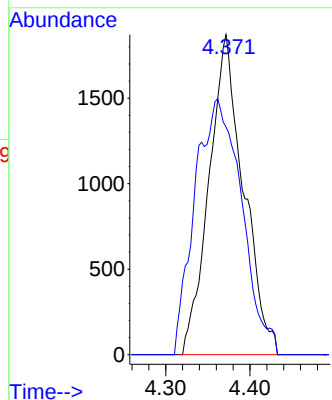
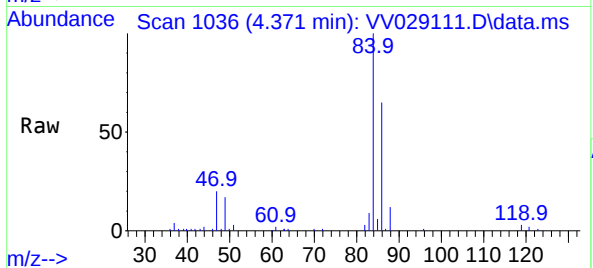
H46C6

Tgt Ion: 83 Resp: 5322

Ion Ratio Lower Upper

83 100

85 71.1 43.7 81.1



#33

Benzene

Concen: 0.360 ug/L

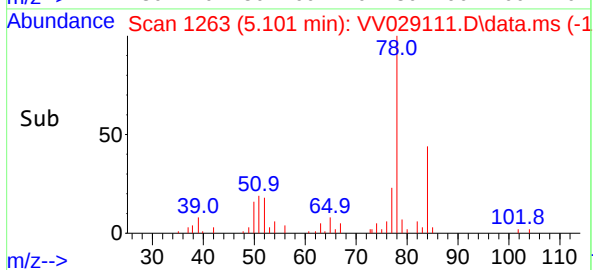
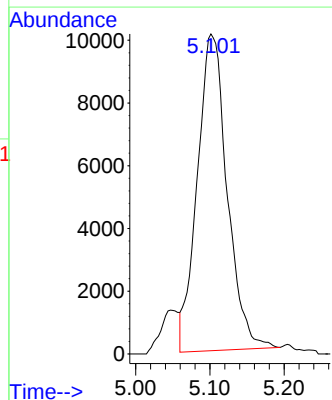
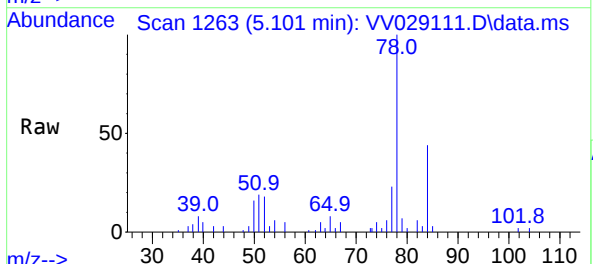
RT: 5.101 min Scan# 1263

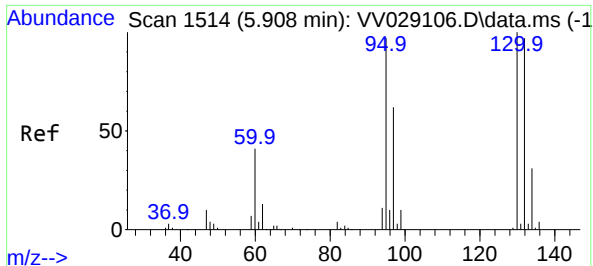
Delta R.T. 0.003 min

Lab File: VV029111.D

Acq: 18 Nov 2022 12:23

Tgt Ion: 78 Resp: 28227

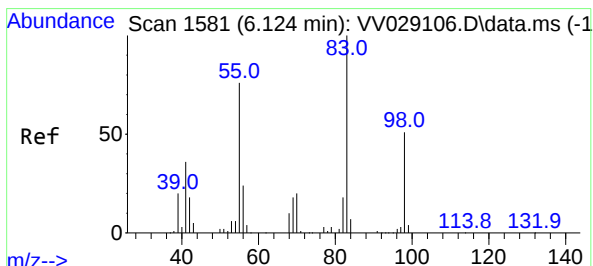
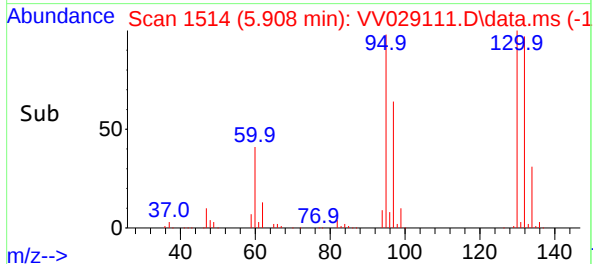
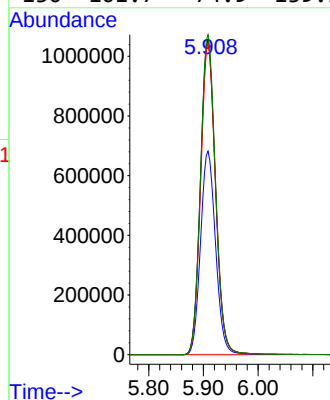
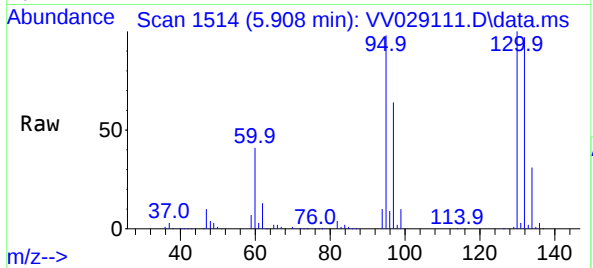




#34
Trichloroethene
Concen: 100.330 ug/L
RT: 5.908 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV029111.D
Acq: 18 Nov 2022 12:23

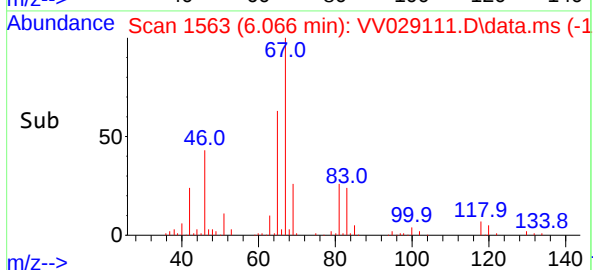
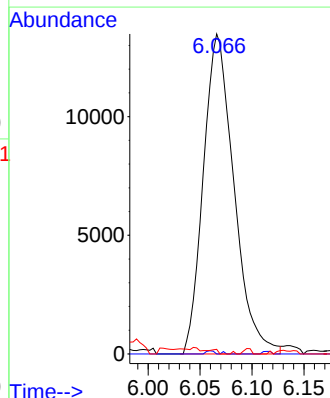
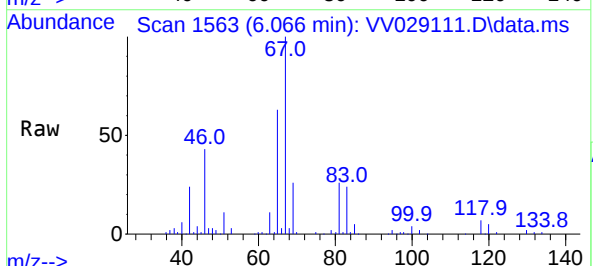
Instrument :
MSVOA_V
ClientSampleId :
H46C6

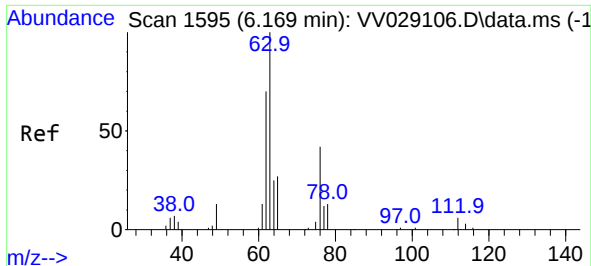
Tgt Ion: 95 Resp: 2012530
Ion Ratio Lower Upper
95 100
97 64.7 45.6 84.8
132 99.1 69.1 128.3
130 101.7 74.9 139.1



#35
Methylcyclohexane
Concen: 0.783 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.064 min
Lab File: VV029111.D
Acq: 18 Nov 2022 12:23

Tgt Ion: 83 Resp: 27620
Ion Ratio Lower Upper
83 100
55 0.1 55.8 83.6#
98 0.0 38.2 57.2#

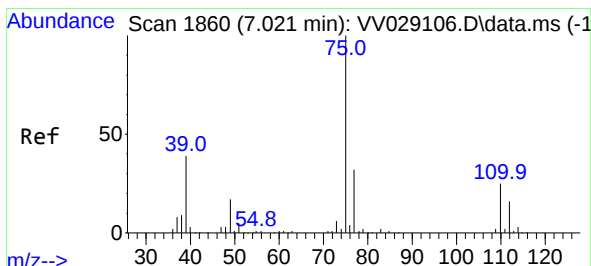
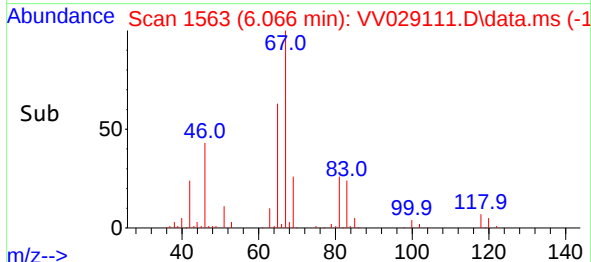
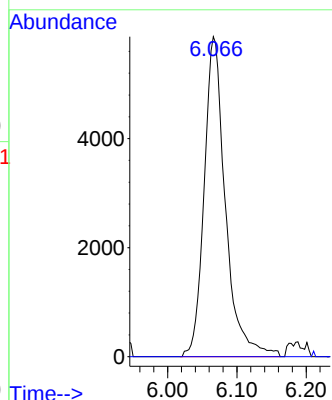
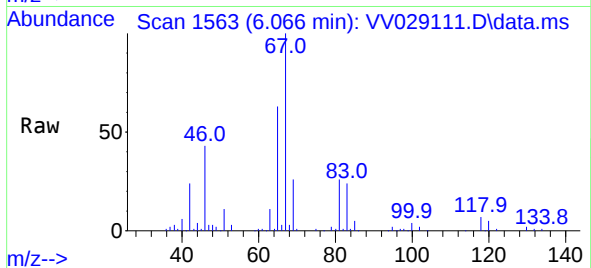




#37
1,2-Dichloropropane
Concen: 0.691 ug/L
RT: 6.066 min Scan# 11
Delta R.T. -0.106 min
Lab File: VV029111.D
Acq: 18 Nov 2022 12:23

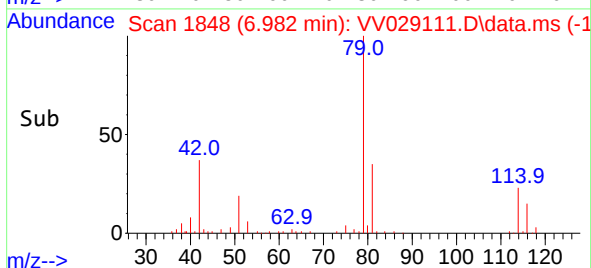
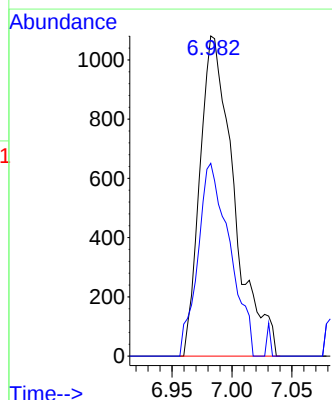
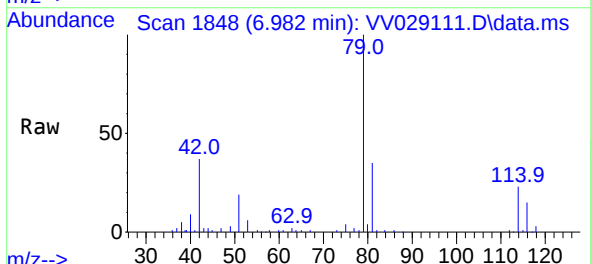
Instrument :
MSVOA_V
ClientSampleId :
H46C6

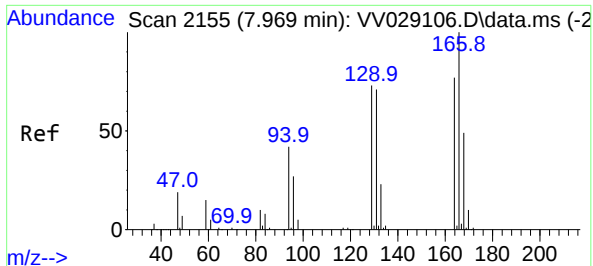
Tgt Ion: 63 Resp: 12483
Ion Ratio Lower Upper
63 100
112 0.2 4.0 6.0#



#39
cis-1,3-Dichloropropene
Concen: 0.085 ug/L
RT: 6.982 min Scan# 1848
Delta R.T. -0.045 min
Lab File: VV029111.D
Acq: 18 Nov 2022 12:23

Tgt Ion: 75 Resp: 2141
Ion Ratio Lower Upper
75 100
77 60.2 21.8 40.6#

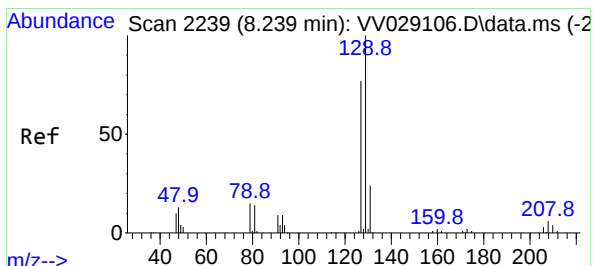
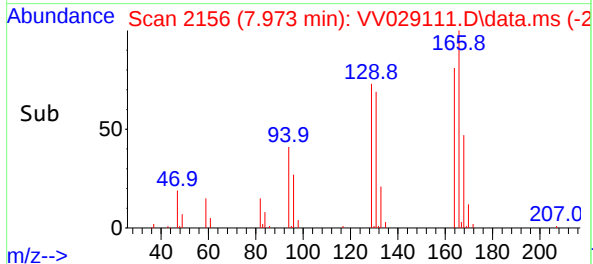
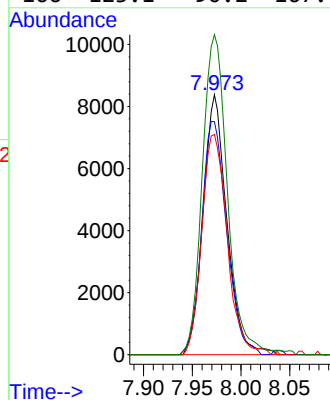
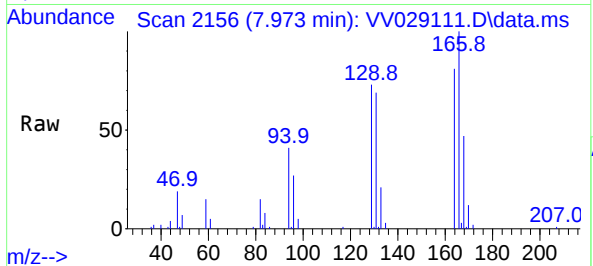




#47
Tetrachloroethene
Concen: 0.892 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VV029111.D
Acq: 18 Nov 2022 12:23

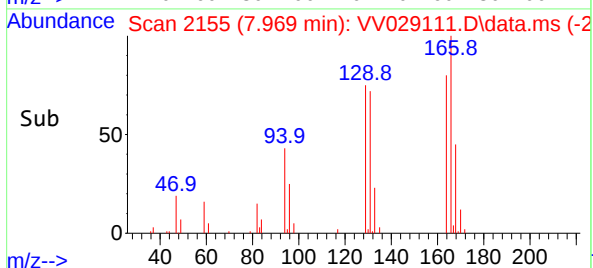
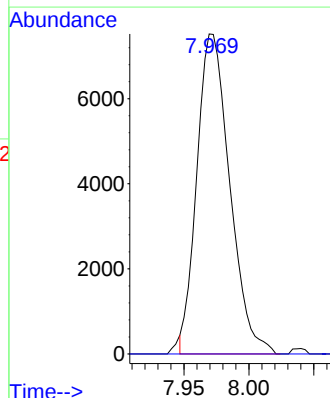
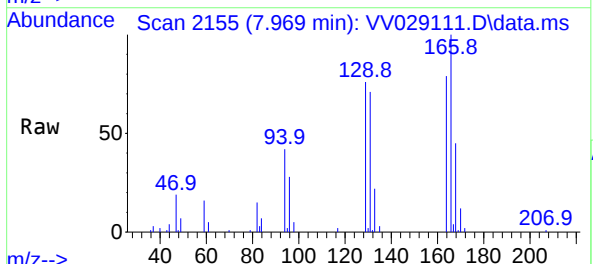
Instrument :
MSVOA_V
ClientSampleId :
H46C6

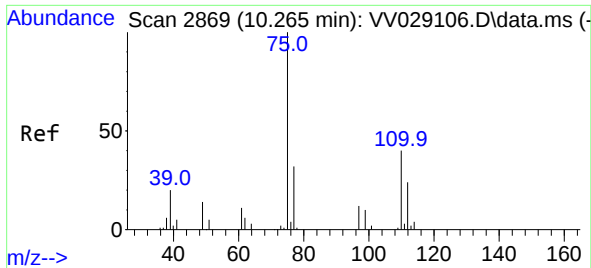
Tgt Ion:164 Resp: 14330
Ion Ratio Lower Upper
164 100
129 89.6 63.9 118.7
131 84.7 61.8 114.8
166 123.1 90.2 167.4



#49
Dibromochloromethane
Concen: 0.927 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.270 min
Lab File: VV029111.D
Acq: 18 Nov 2022 12:23

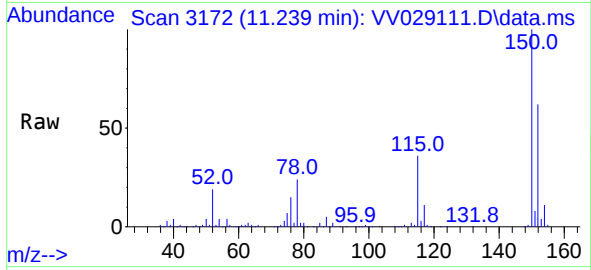
Tgt Ion:129 Resp: 13252
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.1#





#61
 1,2,3-Trichloropropane
 Concen: 1.730 ug/L
 RT: 11.239 min Scan# 31
 Delta R.T. 0.971 min
 Lab File: VV029111.D
 Acq: 18 Nov 2022 12:23

Instrument :
 MSVOA_V
 ClientSampleId :
 H46C6



Tgt Ion: 75 Resp: 13791
 Ion Ratio Lower Upper
 75 100
 77 30.3 26.2 39.2
 110 2.9 32.6 48.8#

