

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102122\
 Data File : VW028668.D
 Acq On : 21 Oct 2022 17:32
 Operator : SY/MD
 Sample : N5173-06DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXT1DL

Quant Time: Oct 21 23:04:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 21 22:58:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	164072	5.000	ug/L	0.02
28) Chlorobenzene-d5	8.847	117	147801	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	67184	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	80199	4.937	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.800%
7) Chloroethane-d5	1.564	69	68573	5.371	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.400%
11) 1,1-Dichloroethene-d2	2.101	63	115824	4.103	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.000%
20) 2-Butanone-d5	3.905	46	75879	24.819	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	49.640%
24) Chloroform-d	4.346	84	117887	4.893	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.031	65	57943	4.440	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
32) Benzene-d6	5.047	84	242953	3.778	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.600%
36) 1,2-Dichloropropane-d6	6.066	67	81503	4.042	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.800%
41) Toluene-d8	7.313	98	199743	4.295	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	7.622	79	18142	3.706	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.200%
46) 2-Hexanone-d5	8.091	63	105590	51.951	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.900%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	48239	5.065	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	58429	4.838	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	690	0.087	ug/L	98
3) Chloromethane	1.236	50	2019	0.127	ug/L #	82
9) Trichlorofluoromethane	1.748	101	1350	0.072	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	1555	0.138	ug/L #	61
12) 1,1-Dichloroethene	2.108	96	1688	0.159	ug/L #	1
14) Carbon disulfide	2.291	76	1586	0.063	ug/L #	79
16) Methylene chloride	2.500	84	6969	0.457	ug/L	88
17) Methyl tert-butyl Ether	2.773	73	867	0.030	ug/L #	65
18) trans-1,2-Dichloroethene	2.770	96	416	0.036	ug/L #	68
22) cis-1,2-Dichloroethene	3.908	96	13841	1.043	ug/L #	97
33) Benzene	5.104	78	3760	0.054	ug/L	100
34) Trichloroethene	5.912	95	119435	7.464	ug/L	95
35) Methylcyclohexane	6.066	83	16640	0.662	ug/L #	15
37) 1,2-Dichloropropane	6.069	63	8712	0.469	ug/L #	88
44) trans-1,3-Dichloropropene	7.628	75	1069	0.079	ug/L #	65
47) Tetrachloroethene	7.973	164	75871	8.780	ug/L	98
49) Dibromochloromethane	7.969	129	72879	8.989	ug/L #	13
51) Chlorobenzene	8.879	112	2883	0.086	ug/L	94
53) m,p-Xylene	9.143	106	1736	0.080	ug/L	82

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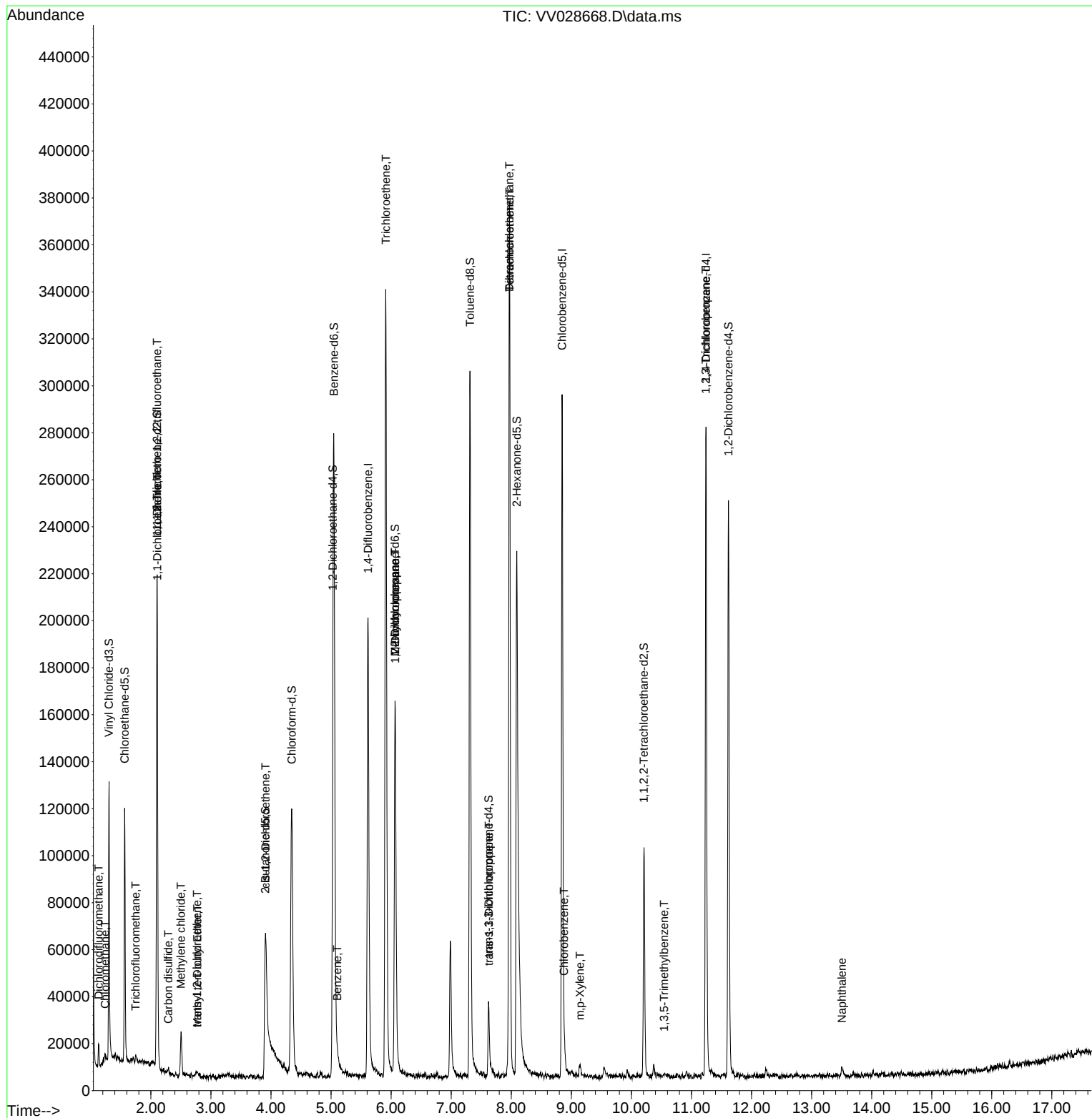
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.239	75	10293	1.414	ug/L #	69
62) 1,3,5-Trimethylbenzene	10.545	105	551	0.034	ug/L	100
71) Naphthalene	13.506	128	2316	0.110	ug/L #	90

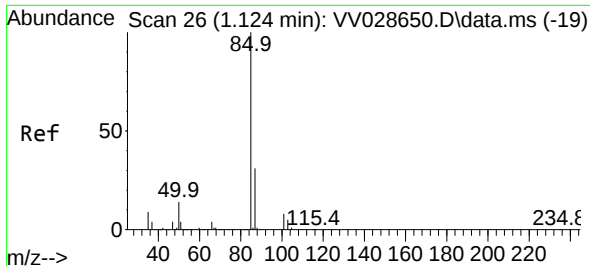
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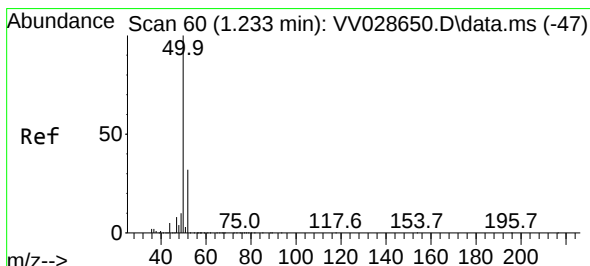
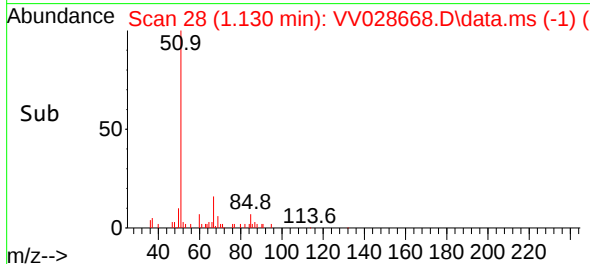
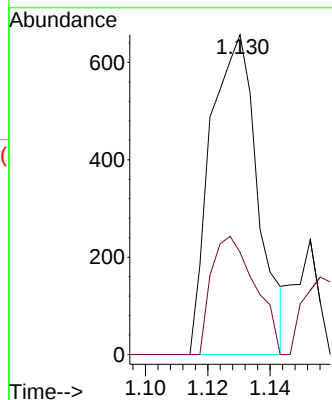
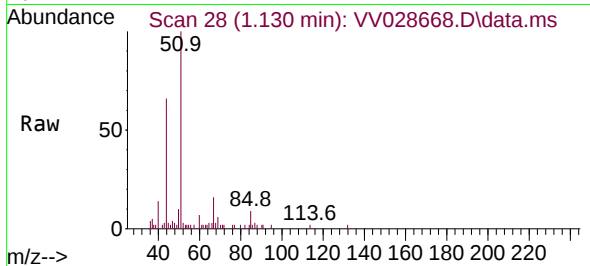




#2
Dichlorodifluoromethane
Concen: 0.087 ug/L
RT: 1.130 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV028668.D
Acq: 21 Oct 2022 17:32

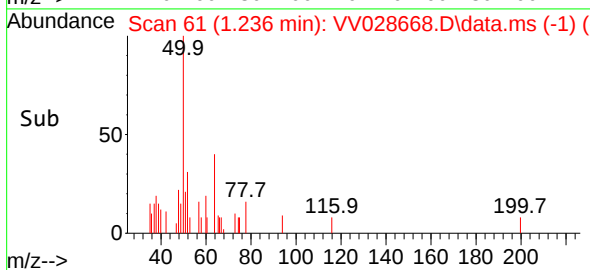
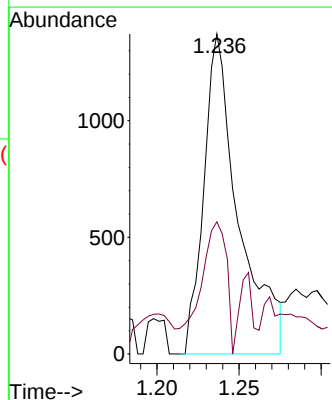
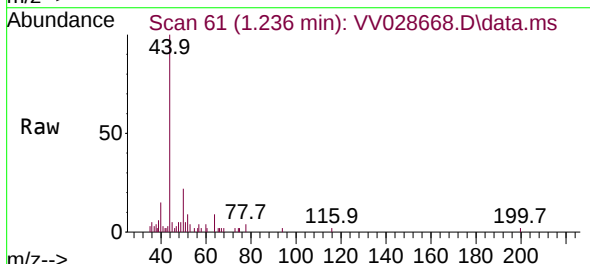
Instrument :
MSVOA_V
ClientSampleId :
BFXT1DL

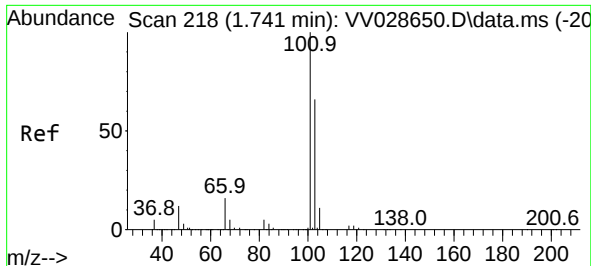
Tgt Ion: 85 Resp: 690
Ion Ratio Lower Upper
85 100
87 34.3 26.6 40.0



#3
Chloromethane
Concen: 0.127 ug/L
RT: 1.236 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV028668.D
Acq: 21 Oct 2022 17:32

Tgt Ion: 50 Resp: 2019
Ion Ratio Lower Upper
50 100
52 41.3 21.8 40.6#

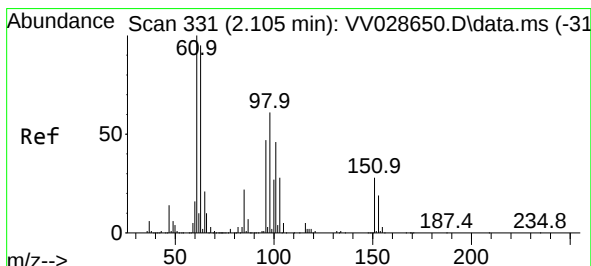
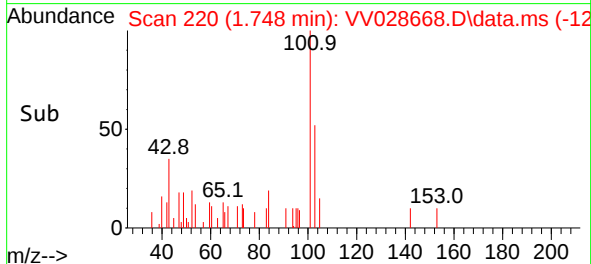
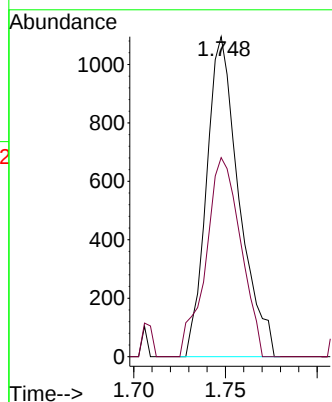
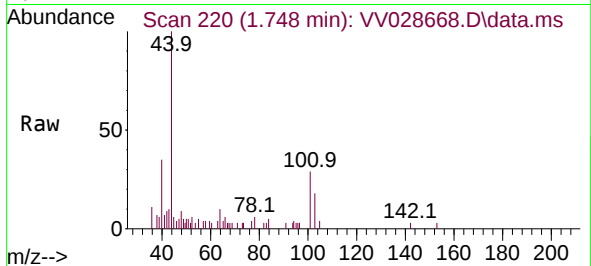




#9
 Trichlorofluoromethane
 Concen: 0.072 ug/L
 RT: 1.748 min Scan# 218
 Delta R.T. 0.006 min
 Lab File: VV028668.D
 Acq: 21 Oct 2022 17:32

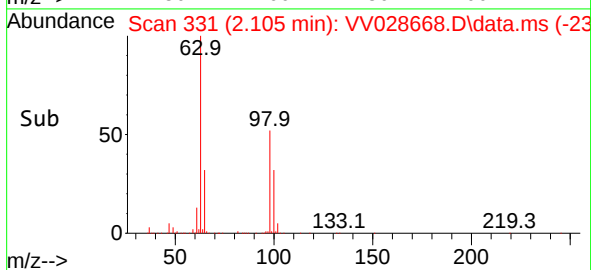
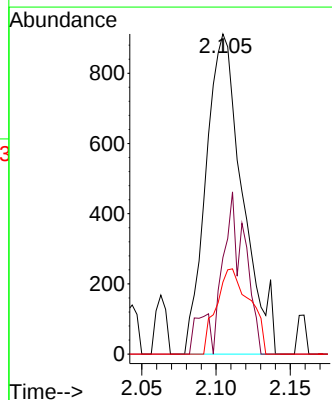
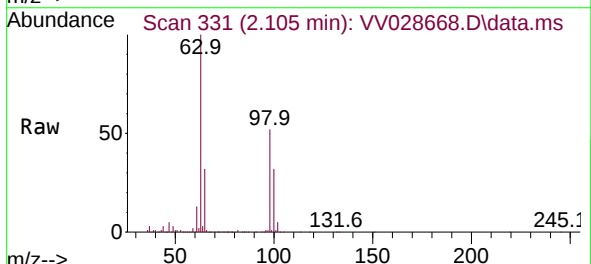
Instrument :
 MSVOA_V
 ClientSampleId :
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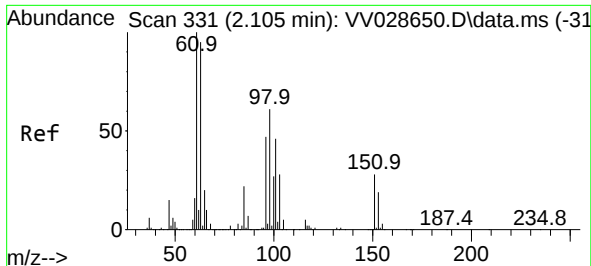
Tgt Ion:101 Resp: 1350
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.0 76.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.138 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. 0.000 min
 Lab File: VV028668.D
 Acq: 21 Oct 2022 17:32

Tgt Ion:101 Resp: 1555
 Ion Ratio Lower Upper
 101 100
 85 30.0 37.0 55.6#
 151 24.4 50.2 75.2#





#12

1,1-Dichloroethene

Concen: 0.159 ug/L

RT: 2.108 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV028668.D

Acq: 21 Oct 2022 17:32

Instrument :

MSVOA_V

ClientSampleId :

BFX1DL

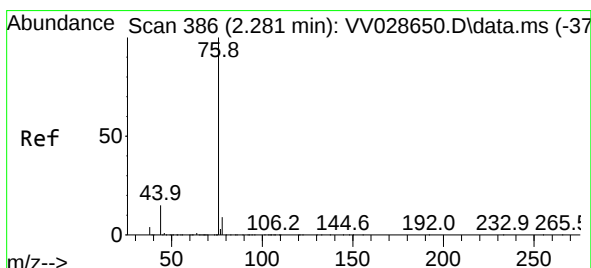
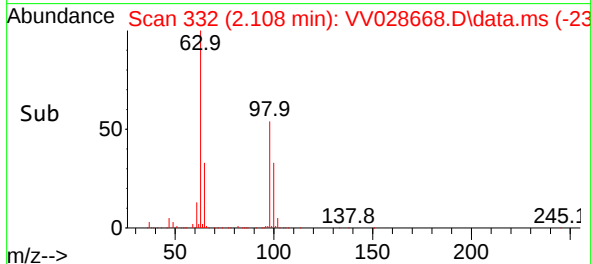
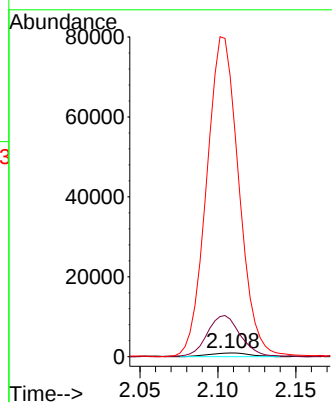
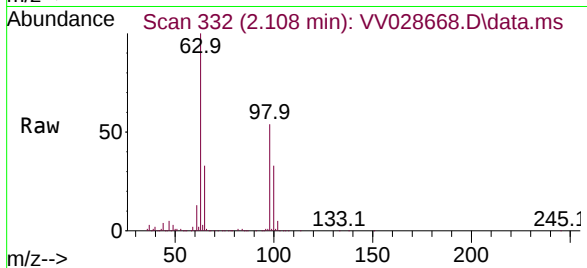
Tgt Ion: 96 Resp: 1688

Ion Ratio Lower Upper

96 100

61 1023.4 148.1 275.1#

63 7645.2 133.3 247.7#



#14

Carbon disulfide

Concen: 0.063 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.010 min

Lab File: VV028668.D

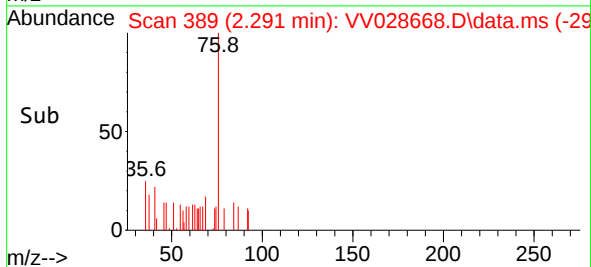
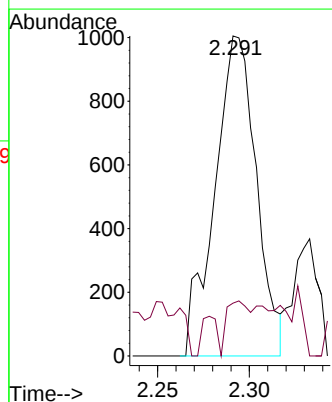
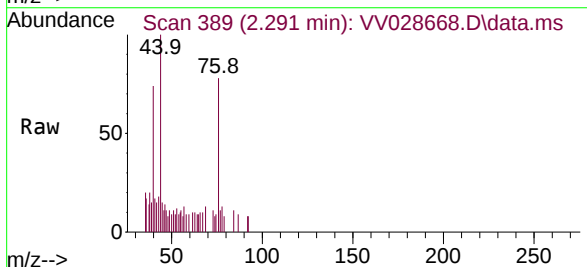
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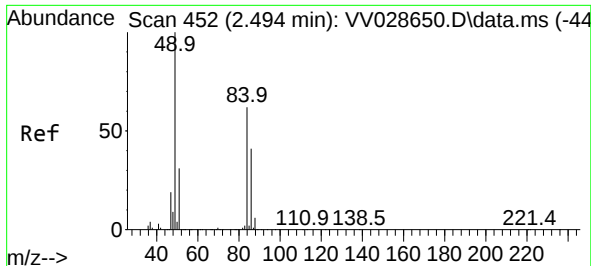
Tgt Ion: 76 Resp: 1586

Ion Ratio Lower Upper

76 100

78 16.5 7.1 10.7#

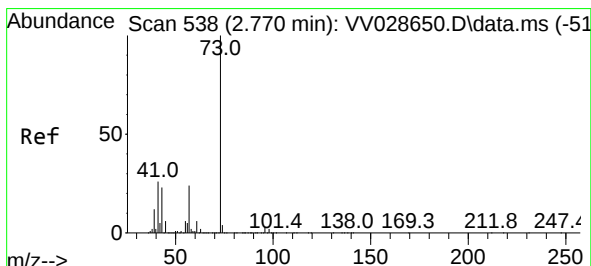
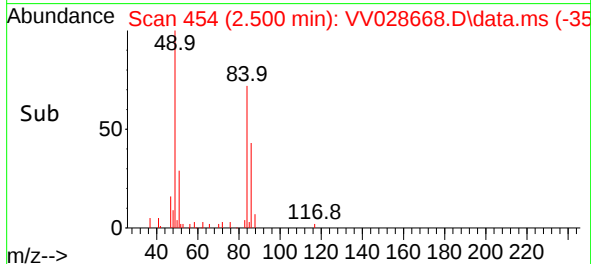
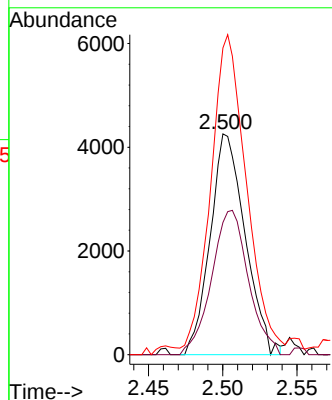
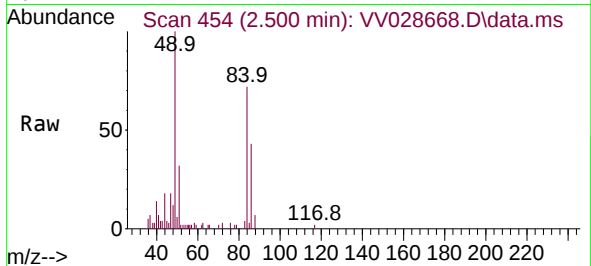




#16
Methylene chloride
Concen: 0.457 ug/L
RT: 2.500 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV028668.D
Acq: 21 Oct 2022 17:32

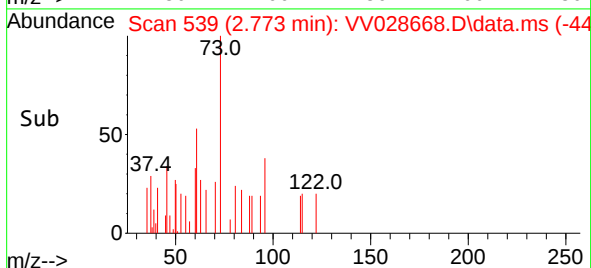
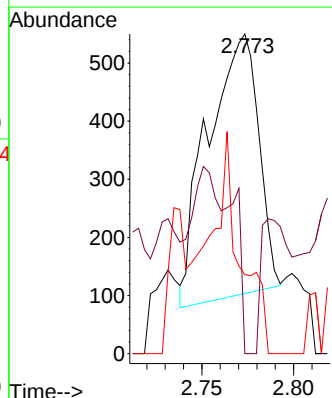
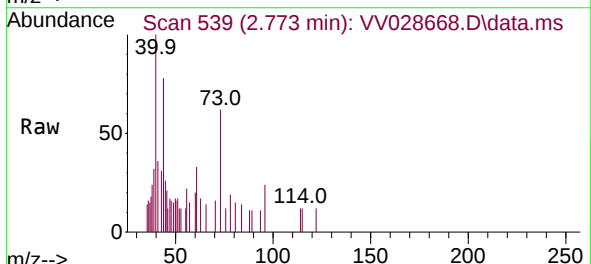
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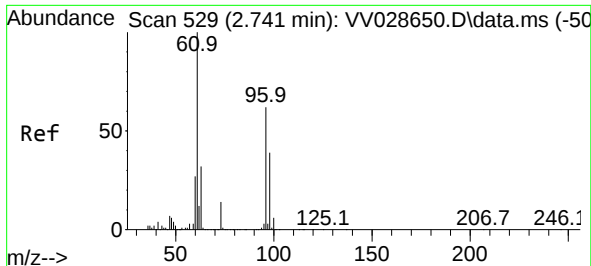
Tgt Ion: 84 Resp: 6969
Ion Ratio Lower Upper
84 100
86 59.9 44.4 82.4
49 138.9 110.8 205.8



#17
Methyl tert-butyl Ether
Concen: 0.030 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.003 min
Lab File: VV028668.D
Acq: 21 Oct 2022 17:32

Tgt Ion: 73 Resp: 867
Ion Ratio Lower Upper
73 100
43 31.6 18.0 27.0#
57 49.5 20.0 30.0#

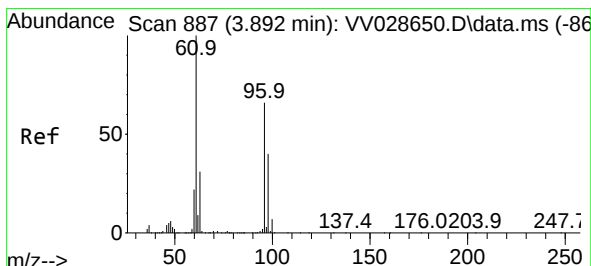
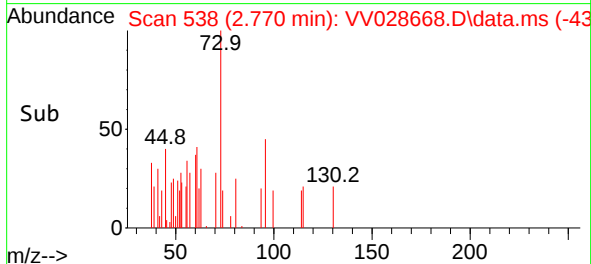
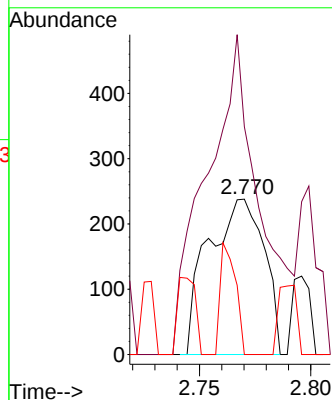
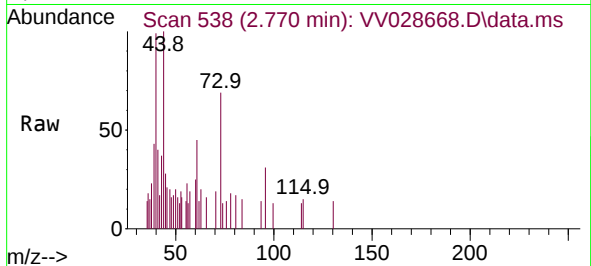




#18
trans-1,2-Dichloroethene
Concen: 0.036 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.029 min
Lab File: VV028668.D
Acq: 21 Oct 2022 17:32

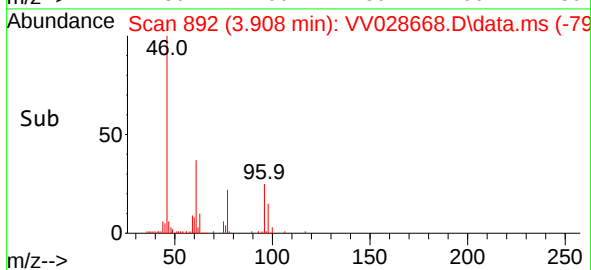
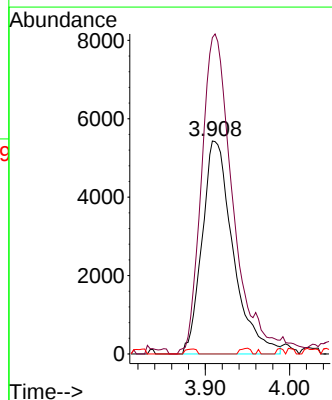
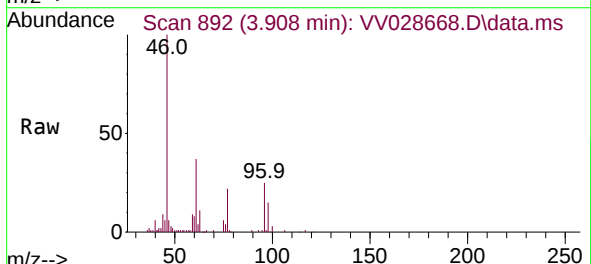
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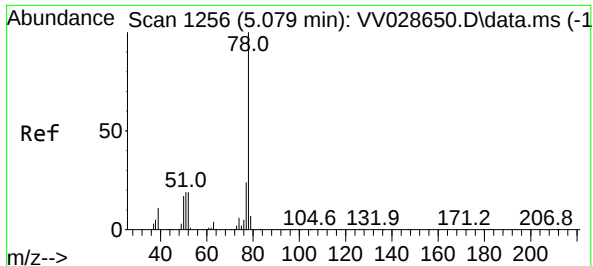
Tgt Ion: 96 Resp: 416
Ion Ratio Lower Upper
96 100
61 146.6 114.3 212.3
98 0.0 45.0 83.6#



#22
cis-1,2-Dichloroethene
Concen: 1.043 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.016 min
Lab File: VV028668.D
Acq: 21 Oct 2022 17:32

Tgt Ion: 96 Resp: 13841
Ion Ratio Lower Upper
96 100
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68 0.0 0.5 0.9#

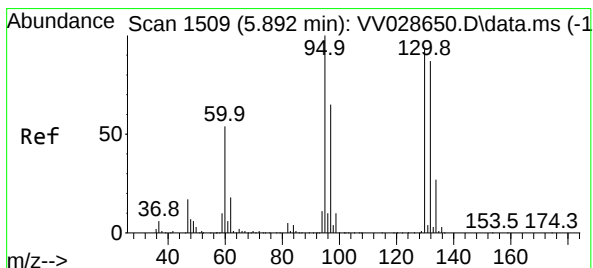
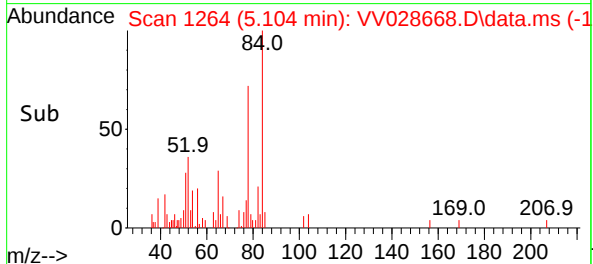
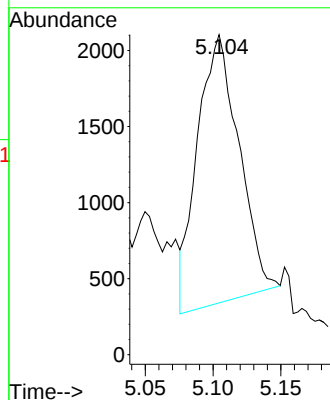
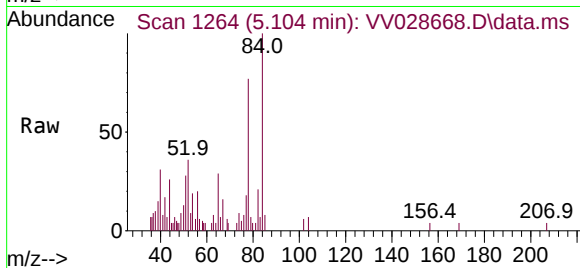




#33
Benzene
Concen: 0.054 ug/L
RT: 5.104 min Scan# 1515
Delta R.T. 0.026 min
Lab File: VV028668.D
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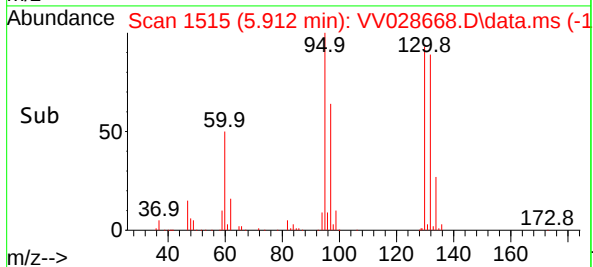
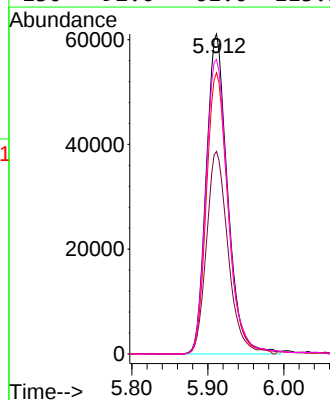
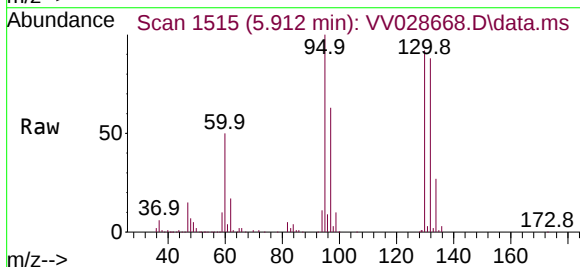
Tgt Ion: 78 Resp: 3760

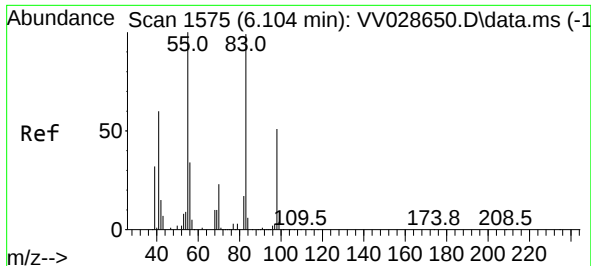


#34
Trichloroethene
Concen: 7.464 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.019 min
Lab File: VV028668.D
Acq: 21 Oct 2022 17:32

Tgt Ion: 95 Resp: 119435

Ion	Ratio	Lower	Upper
95	100		
97	63.3	43.5	80.9
132	87.9	56.5	104.9
130	92.0	61.0	113.2

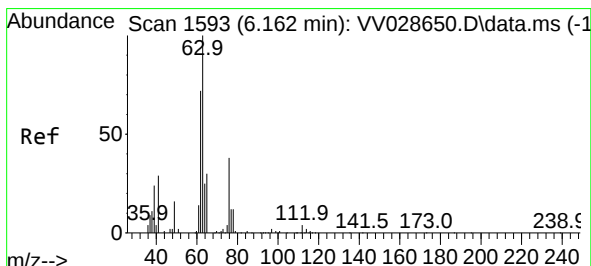
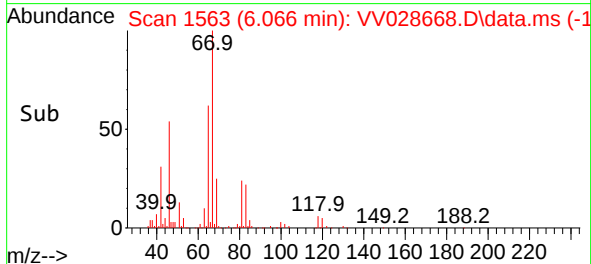
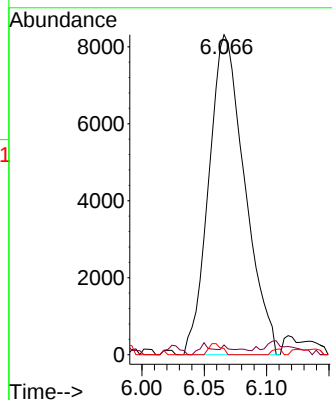
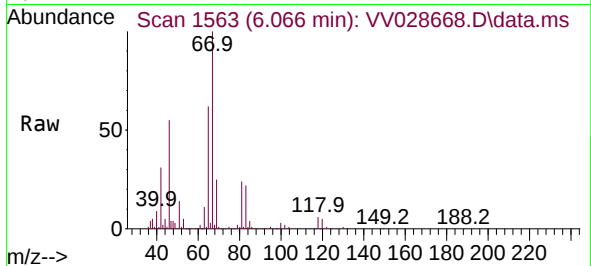




#35
Methylcyclohexane
Concen: 0.662 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.039 min
Lab File: VV028668.D
Acq: 21 Oct 2022 17:32

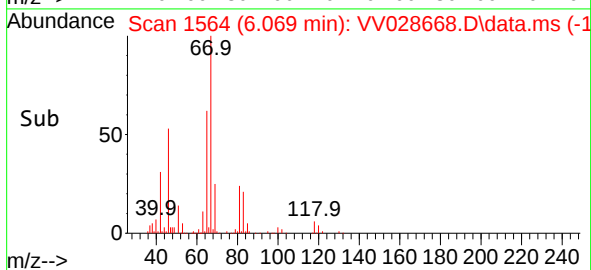
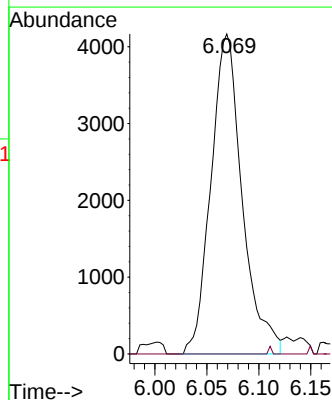
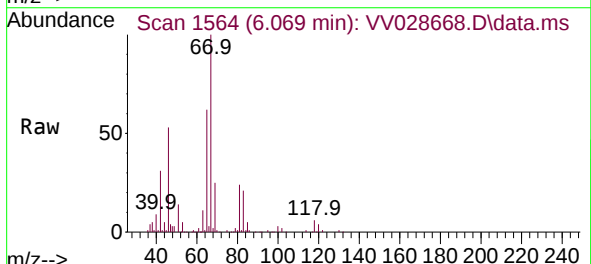
Instrument :
MSVOA_V
ClientSampleId :
BFXT1DL

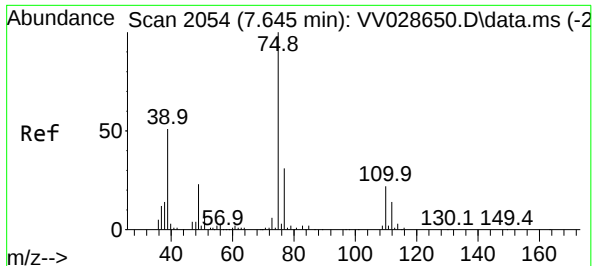
Tgt Ion: 83 Resp: 16640
Ion Ratio Lower Upper
83 100
55 1.4 70.0 105.0#
98 0.0 35.6 53.4#



#37
1,2-Dichloropropane
Concen: 0.469 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.093 min
Lab File: VV028668.D
Acq: 21 Oct 2022 17:32

Tgt Ion: 63 Resp: 8712
Ion Ratio Lower Upper
63 100
112 0.2 3.4 5.2#

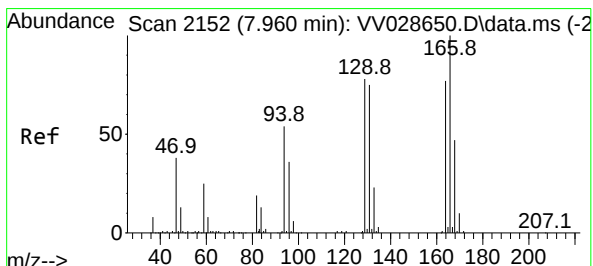
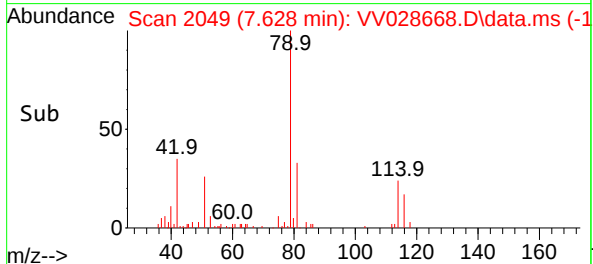
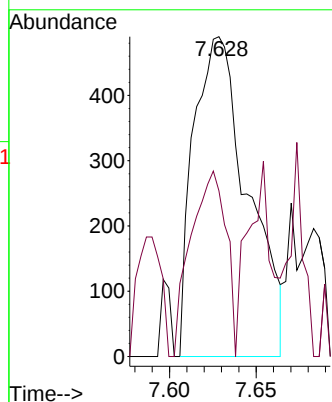
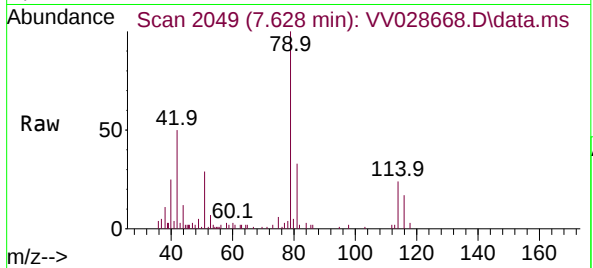




#44
trans-1,3-Dichloropropene
Concen: 0.079 ug/L
RT: 7.628 min Scan# 2049
Delta R.T. -0.016 min
Lab File: VV028668.D
Acq: 21 Oct 2022 17:32

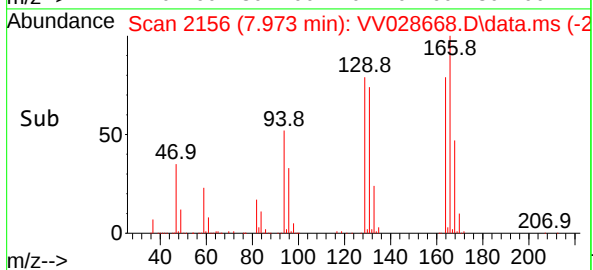
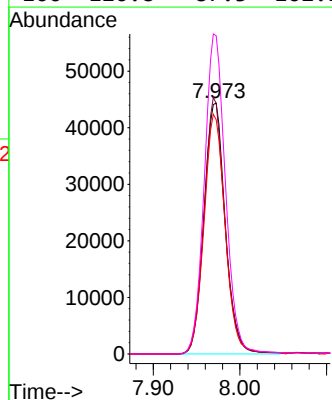
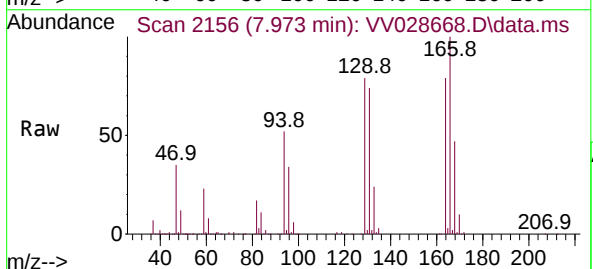
Instrument :
MSVOA_V
ClientSampleId :
BFXT1DL

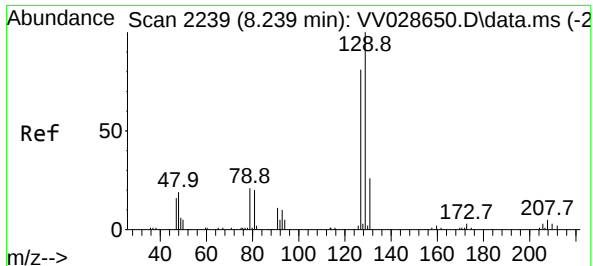
Tgt Ion: 75 Resp: 1069
Ion Ratio Lower Upper
75 100
77 51.8 22.6 42.0#



#47
Tetrachloroethene
Concen: 8.780 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.013 min
Lab File: VV028668.D
Acq: 21 Oct 2022 17:32

Tgt Ion:164 Resp: 75871
Ion Ratio Lower Upper
164 100
129 99.8 69.2 128.6
131 93.3 64.2 119.2
166 126.8 87.3 162.1





#49

Dibromochloromethane

Concen: 8.989 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.270 min

Lab File: VV028668.D

Acq: 21 Oct 2022 17:32

Instrument :

MSVOA_V

ClientSampleId :

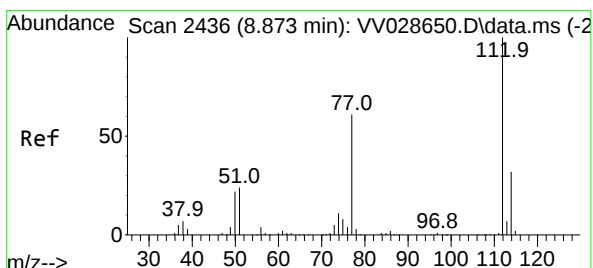
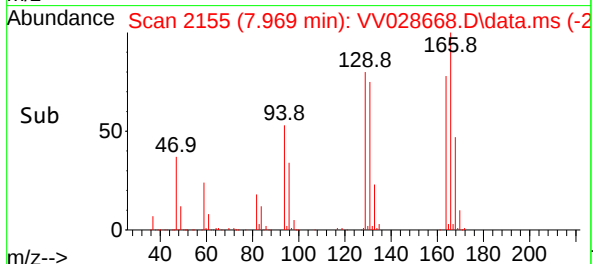
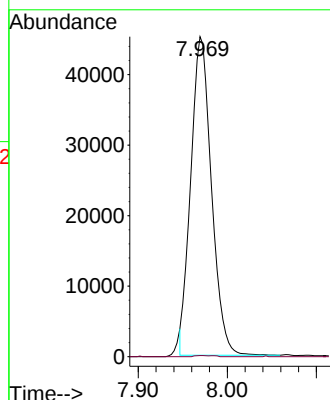
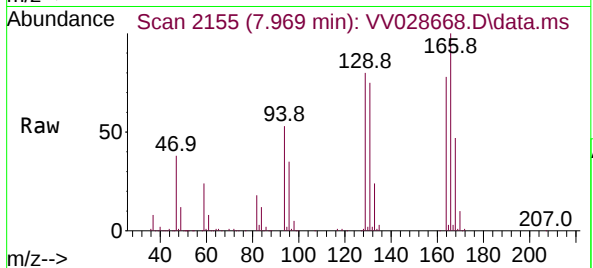
BFXT1DL

Tgt Ion:129 Resp: 72879

Ion Ratio Lower Upper

129 100

127 0.4 51.6 95.8#



#51

Chlorobenzene

Concen: 0.086 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.006 min

Lab File: VV028668.D

Acq: 21 Oct 2022 17:32

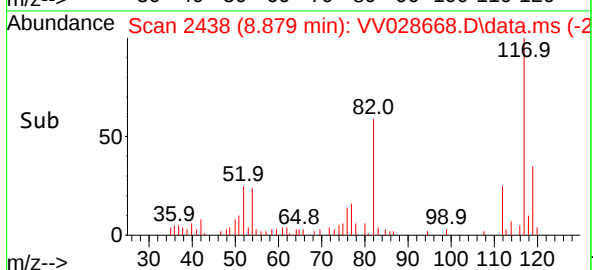
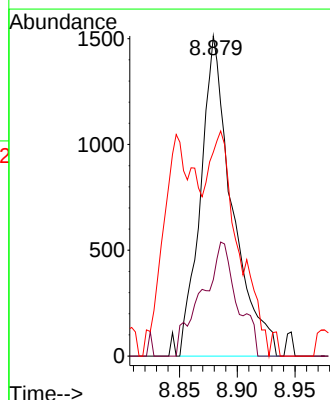
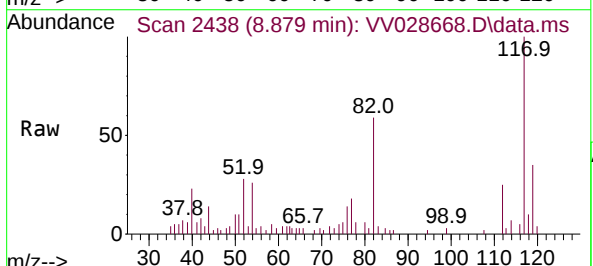
Tgt Ion:112 Resp: 2883

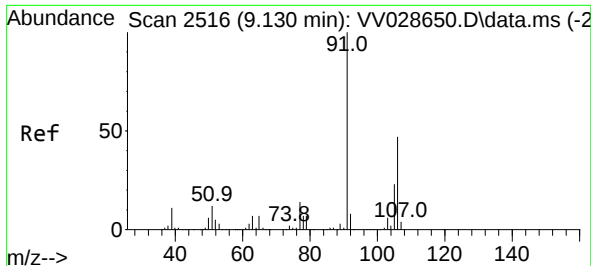
Ion Ratio Lower Upper

112 100

114 23.9 22.0 41.0

77 63.7 50.0 75.0





#53

m,p-Xylene

Concen: 0.080 ug/L

RT: 9.143 min Scan# 21

Delta R.T. 0.013 min

Lab File: VV028668.D

Acq: 21 Oct 2022 17:32

Instrument :

MSVOA_V

ClientSampleId :

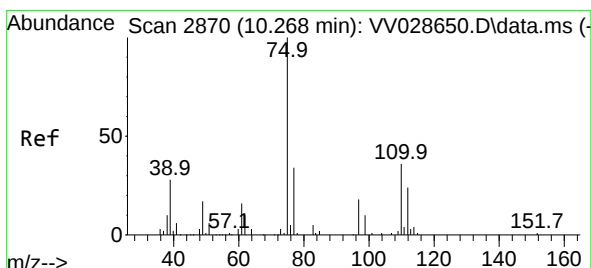
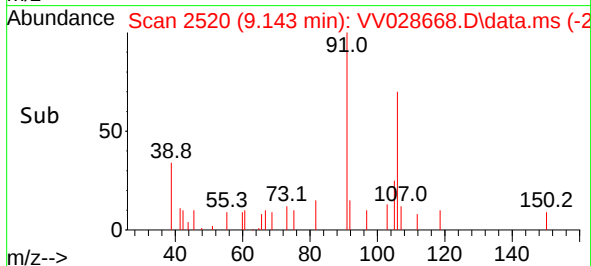
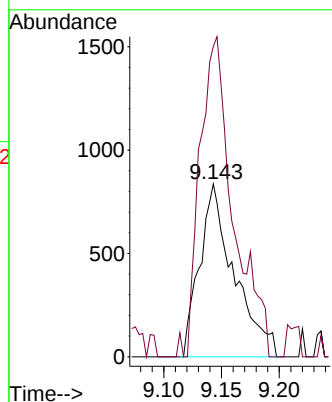
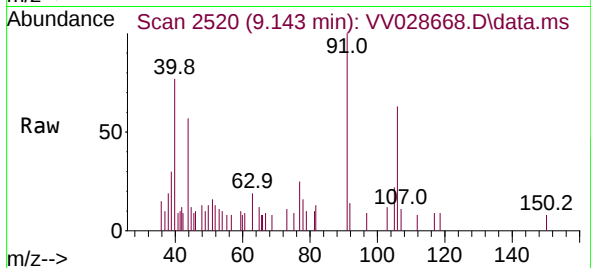
BFXT1DL

Tgt Ion:106 Resp: 1736

Ion Ratio Lower Upper

106 100

91 179.5 145.5 270.1



#61

1,2,3-Trichloropropane

Concen: 1.414 ug/L

RT: 11.239 min Scan# 3172

Delta R.T. 0.971 min

Lab File: VV028668.D

Acq: 21 Oct 2022 17:32

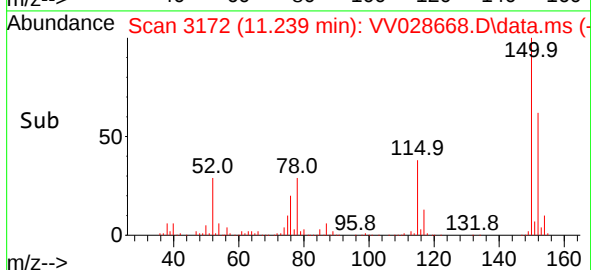
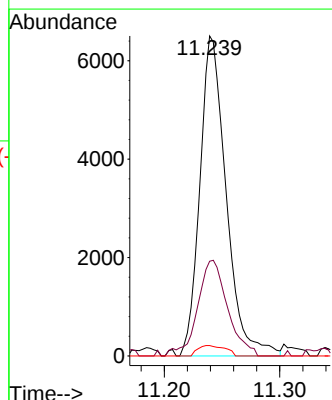
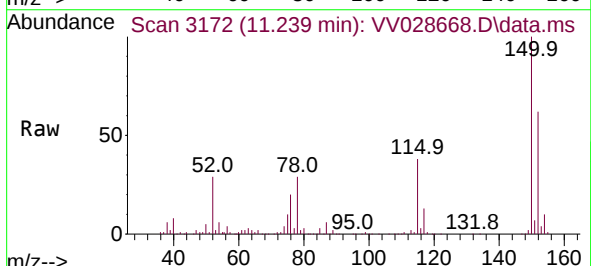
Tgt Ion: 75 Resp: 10293

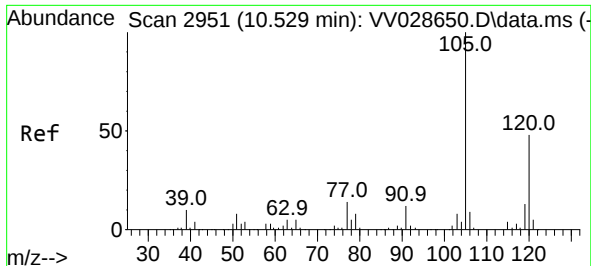
Ion Ratio Lower Upper

75 100

77 34.0 25.2 37.8

110 3.4 27.9 41.9#





#62

1,3,5-Trimethylbenzene

Concen: 0.034 ug/L

RT: 10.545 min Scan# 2951

Delta R.T. 0.016 min

Lab File: VV028668.D

Acq: 21 Oct 2022 17:32

Instrument :

MSVOA_V

ClientSampleId :

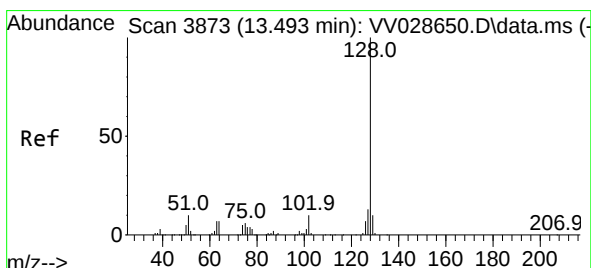
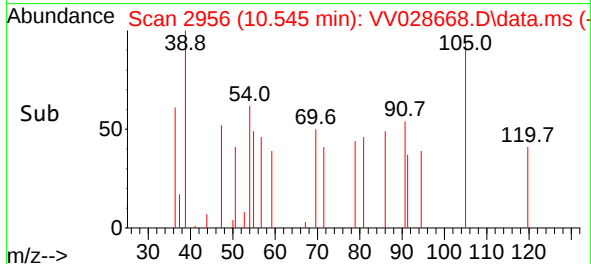
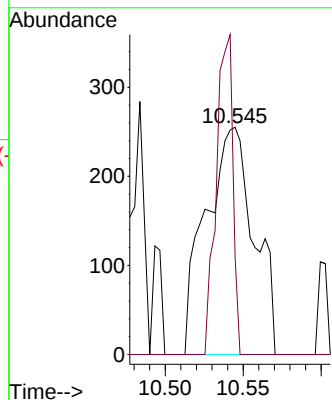
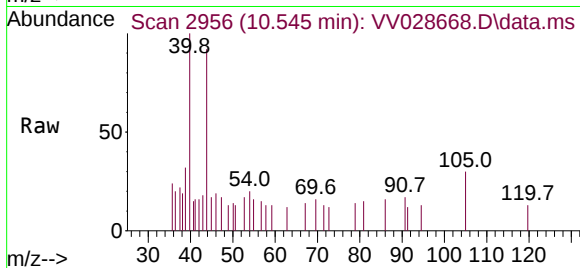
BFX1DL

Tgt Ion:105 Resp: 551

Ion Ratio Lower Upper

105 100

120 48.1 38.3 57.5



#71

Naphthalene

Concen: 0.110 ug/L

RT: 13.506 min Scan# 3877

Delta R.T. 0.013 min

Lab File: VV028668.D

Acq: 21 Oct 2022 17:32

Tgt Ion:128 Resp: 2316

Ion Ratio Lower Upper

128 100

129 8.7 8.9 13.3#

127 18.0 10.2 15.4#

