

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111622\
 Data File : VW029044.D
 Acq On : 17 Nov 2022 02:38
 Operator : SY/MD
 Sample : N5592-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AA2

Quant Time: Nov 17 05:37:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 17 04:20:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	275816	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	252855	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	120353	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	73915	4.396	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.568	69	57395	3.883	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	2.105	63	99294	3.240	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.800%
20) 2-Butanone-d5	3.892	46	146863	52.176	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.360%
24) Chloroform-d	4.343	84	159909	4.632	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.027	65	73950	4.761	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	5.047	84	338682	4.487	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.063	67	96800	4.593	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.310	98	313619	4.616	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	7.622	79	31798	4.626	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.088	63	130864	44.603	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.200%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	69984	4.790	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	11.616	152	116428	5.407	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	4238	0.184	ug/L	95
3) Chloromethane	1.243	50	998	0.052	ug/L	100
6) Bromomethane	1.529	94	524	0.040	ug/L	92
8) Chloroethane	1.407	64	213112	16.662	ug/L #	52
9) Trichlorofluoromethane	1.931	101	2058	0.070	ug/L	89
12) 1,1-Dichloroethene	2.111	96	2218	0.133	ug/L #	1
22) cis-1,2-Dichloroethene	3.915	96	1418	0.072	ug/L	74
25) Chloroform	4.371	83	45510	1.371	ug/L	98
27) 1,2-Dichloroethane	5.050	62	1781	0.104	ug/L #	70
33) Benzene	5.101	78	4162	0.054	ug/L	100
34) Trichloroethene	5.915	95	42367	2.142	ug/L	97
35) Methylcyclohexane	6.063	83	24597	0.708	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	10316	0.579	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2166	0.087	ug/L #	69
47) Tetrachloroethene	7.973	164	36065	2.277	ug/L	97
49) Dibromochloromethane	7.969	129	30903	2.191	ug/L #	10
57) 1,1,2,2-Tetrachloroethane	10.239	83	1220	0.090	ug/L #	49
61) 1,2,3-Trichloropropane	11.243	75	15790	1.920	ug/L #	62
62) 1,3,5-Trimethylbenzene	11.082	105	27010	0.408	ug/L #	33

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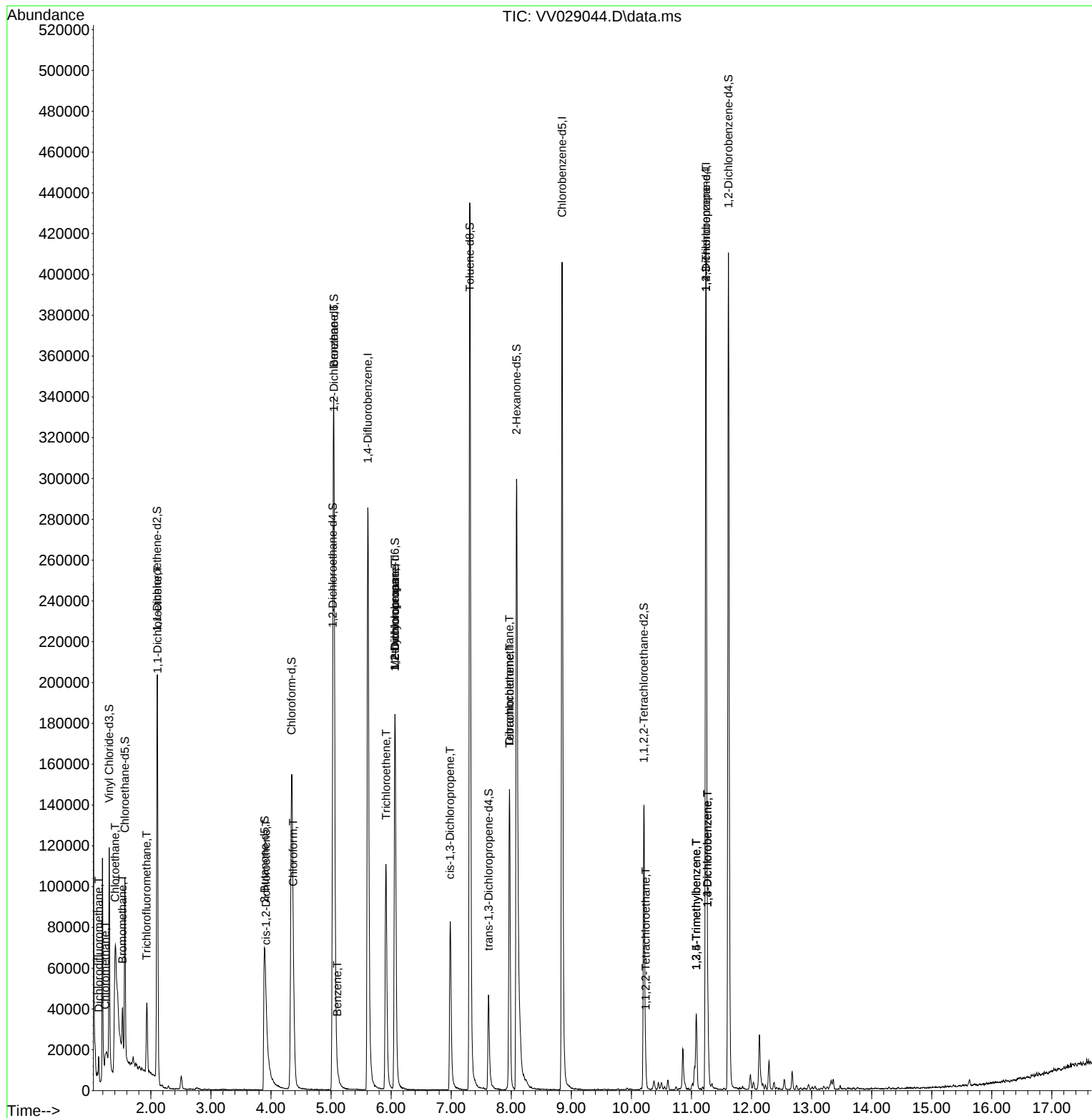
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.082	105	27010	0.407	ug/L #	30
64) 1,3-Dichlorobenzene	11.268	146	13671	0.372	ug/L	96
65) 1,4-Dichlorobenzene	11.268	146	13671	0.370	ug/L	97

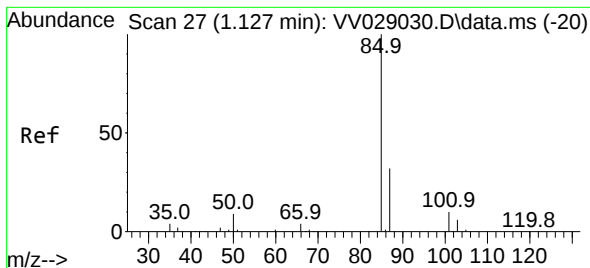
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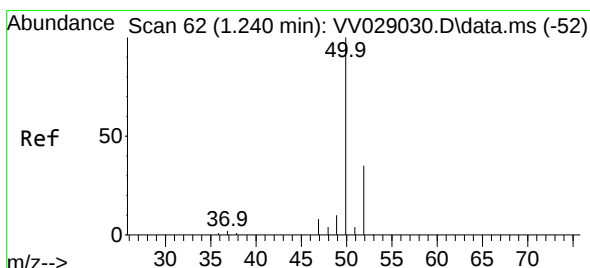
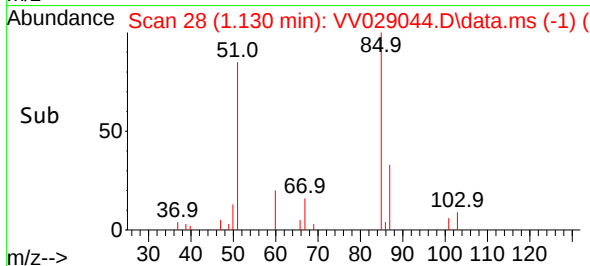
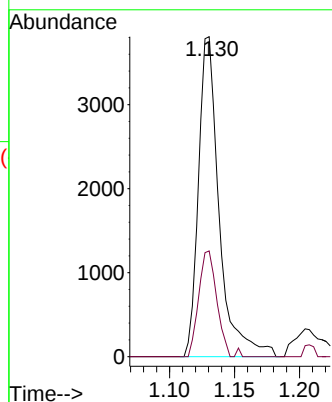
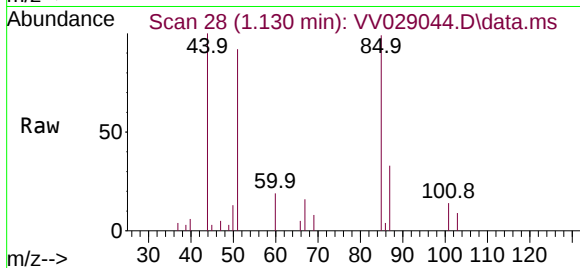




#2
 Dichlorodifluoromethane
 Concen: 0.184 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV029044.D
 Acq: 17 Nov 2022 02:38

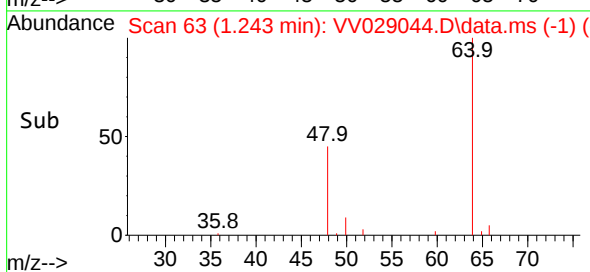
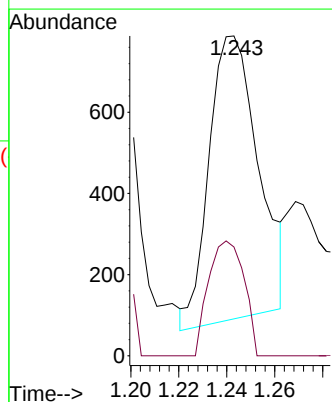
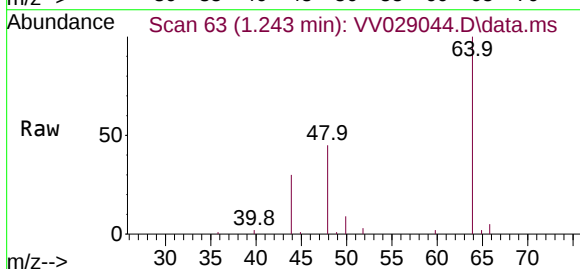
Instrument :
 MSVOA_V
 ClientSampleId :
 H0AA2

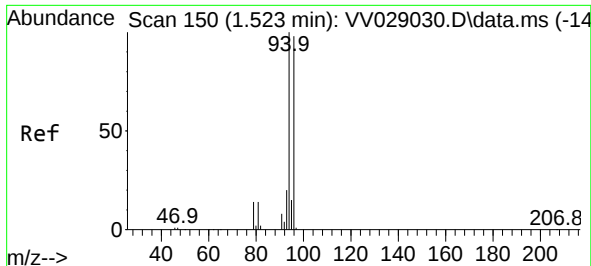
Tgt Ion: 85 Resp: 4238
 Ion Ratio Lower Upper
 85 100
 87 28.5 25.0 37.4



#3
 Chloromethane
 Concen: 0.052 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV029044.D
 Acq: 17 Nov 2022 02:38

Tgt Ion: 50 Resp: 998
 Ion Ratio Lower Upper
 50 100
 52 34.0 23.7 43.9

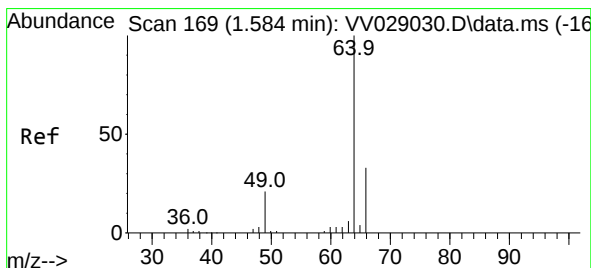
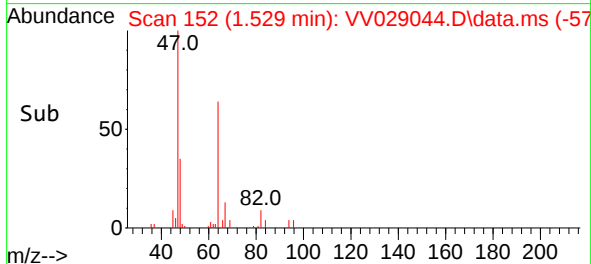
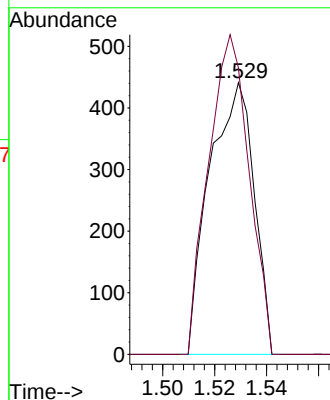
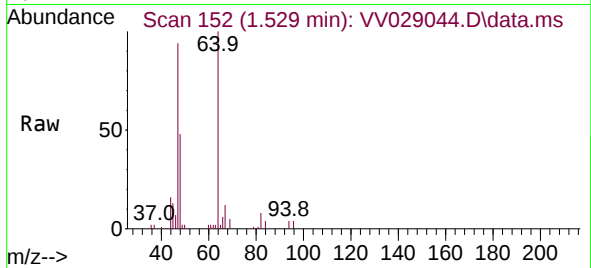




#6
Bromomethane
Concen: 0.040 ug/L
RT: 1.529 min Scan# 114
Delta R.T. 0.007 min
Lab File: VV029044.D
Acq: 17 Nov 2022 02:38

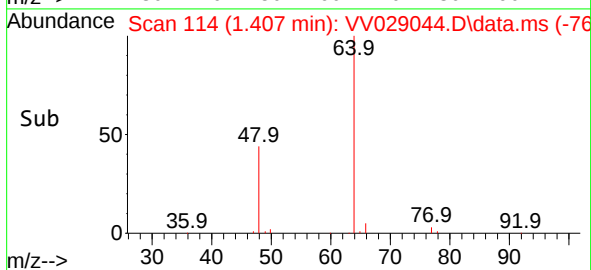
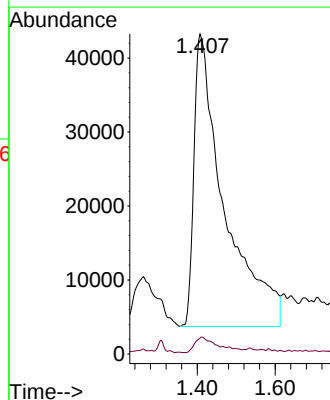
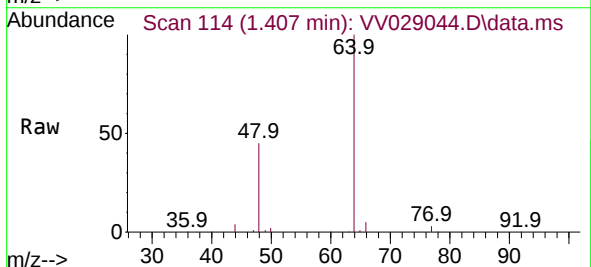
Instrument :
MSVOA_V
ClientSampleId :
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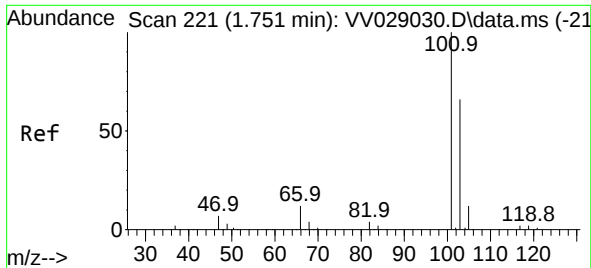
Tgt Ion: 94 Resp: 524
Ion Ratio Lower Upper
94 100
96 105.4 68.5 127.3



#8
Chloroethane
Concen: 16.662 ug/L
RT: 1.407 min Scan# 114
Delta R.T. -0.177 min
Lab File: VV029044.D
Acq: 17 Nov 2022 02:38

Tgt Ion: 64 Resp: 213112
Ion Ratio Lower Upper
64 100
66 5.0 22.0 40.8#

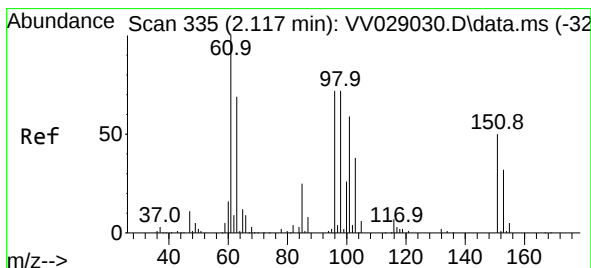
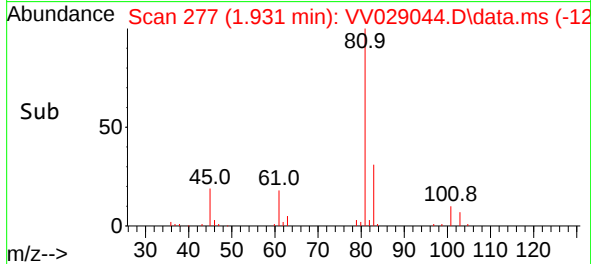
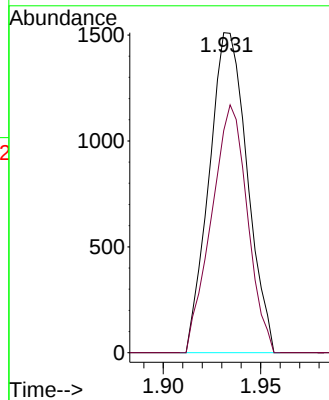
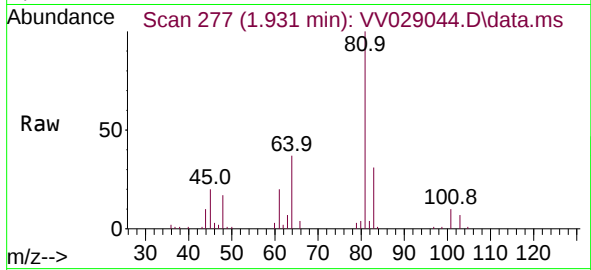




#9
 Trichlorofluoromethane
 Concen: 0.070 ug/L
 RT: 1.931 min Scan# 21
 Delta R.T. 0.180 min
 Lab File: VV029044.D
 Acq: 17 Nov 2022 02:38

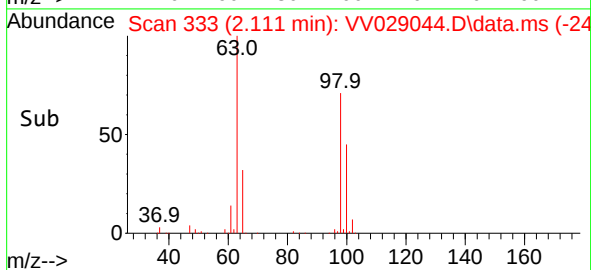
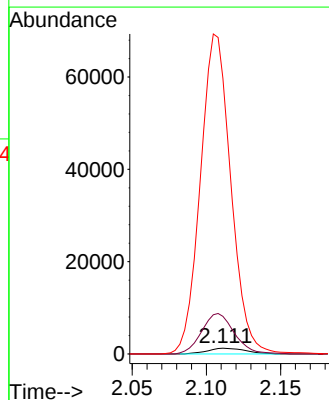
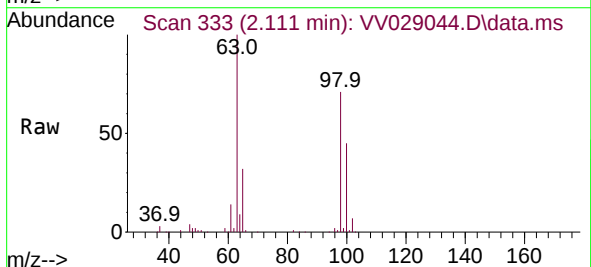
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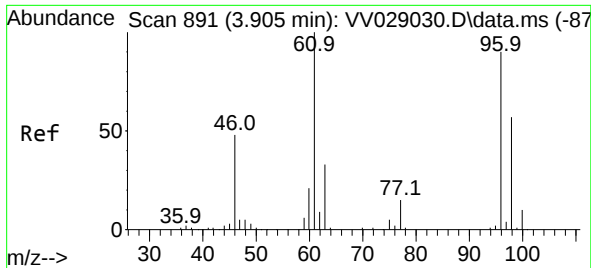
Tgt Ion:101 Resp: 2058
 Ion Ratio Lower Upper
 101 100
 103 73.0 51.3 76.9



#12
 1,1-Dichloroethene
 Concen: 0.133 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.006 min
 Lab File: VV029044.D
 Acq: 17 Nov 2022 02:38

Tgt Ion: 96 Resp: 2218
 Ion Ratio Lower Upper
 96 100
 61 649.8 104.2 193.4#
 63 4768.1 75.9 140.9#

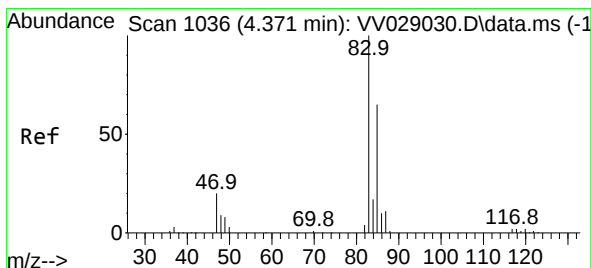
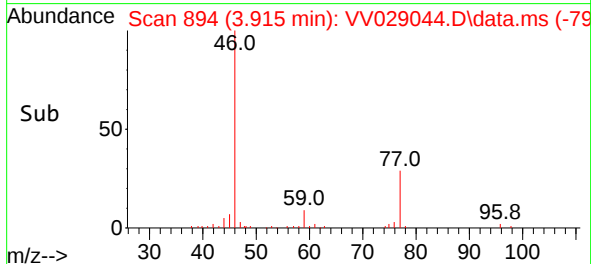
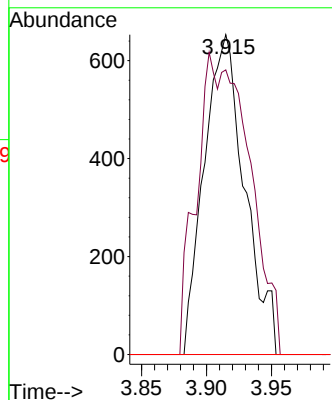
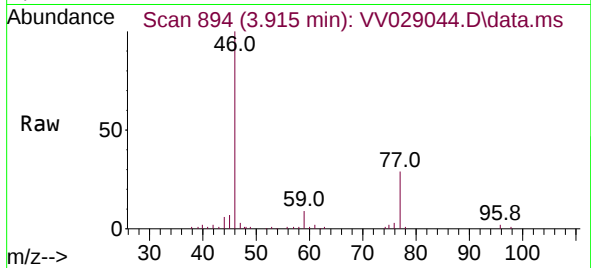




#22
 cis-1,2-Dichloroethene
 Concen: 0.072 ug/L
 RT: 3.915 min Scan# 891
 Delta R.T. 0.010 min
 Lab File: VV029044.D
 Acq: 17 Nov 2022 02:38

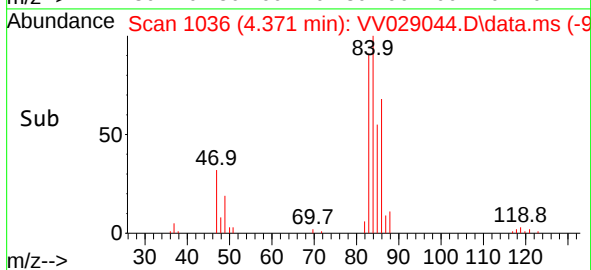
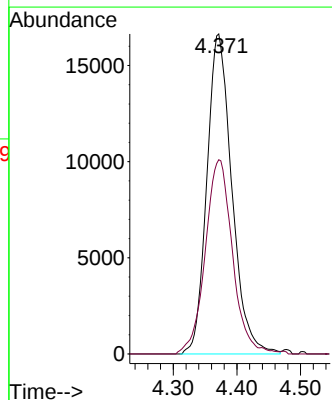
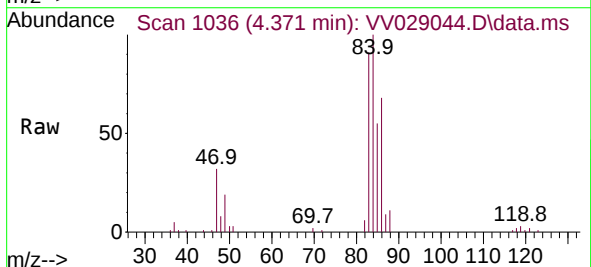
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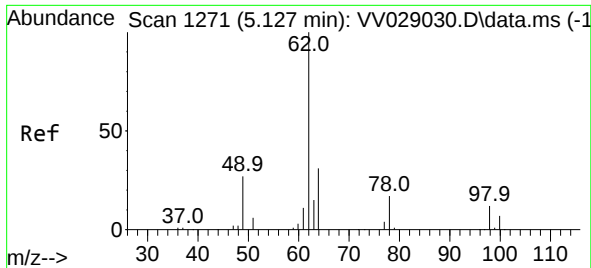
Tgt Ion: 96 Resp: 1418
 Ion Ratio Lower Upper
 96 100
 61 89.0 82.3 152.9
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.371 ug/L
 RT: 4.371 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VV029044.D
 Acq: 17 Nov 2022 02:38

Tgt Ion: 83 Resp: 45510
 Ion Ratio Lower Upper
 83 100
 85 60.7 43.7 81.1

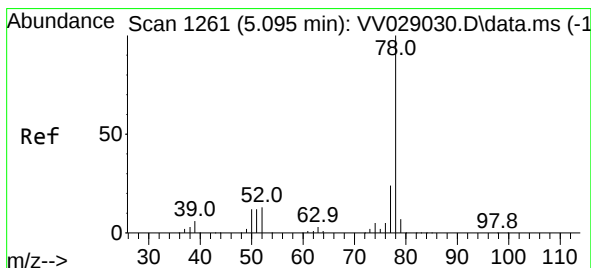
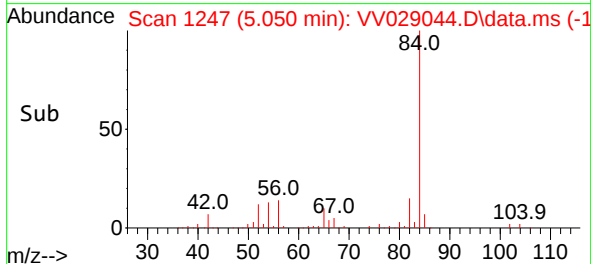
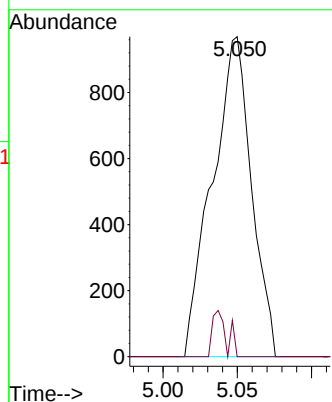
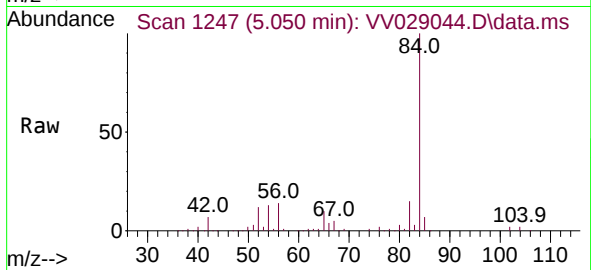




#27
1,2-Dichloroethane
Concen: 0.104 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.077 min
Lab File: VV029044.D
Acq: 17 Nov 2022 02:38

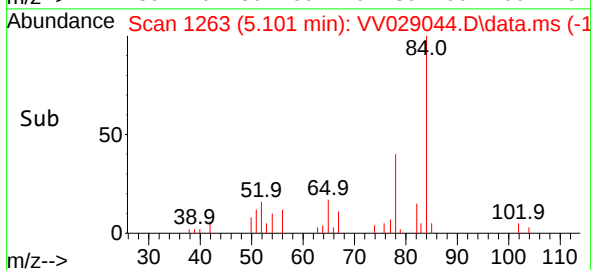
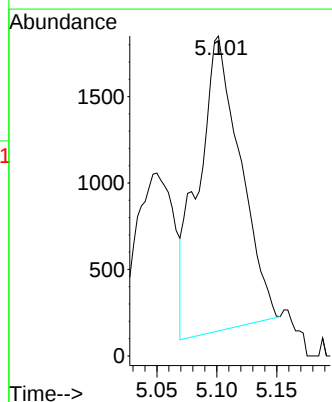
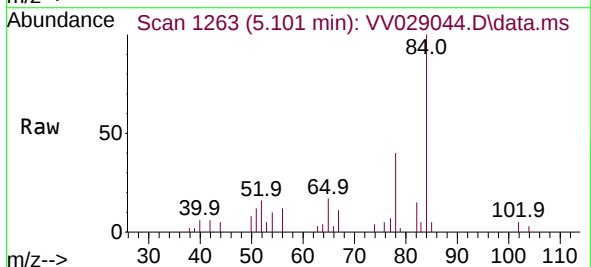
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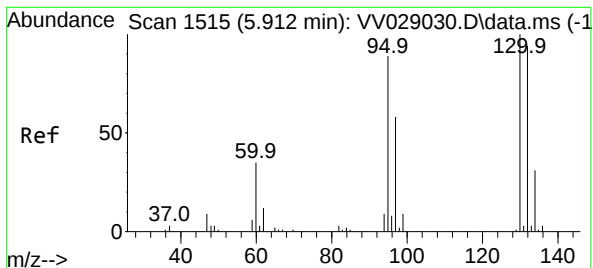
Tgt Ion: 62 Resp: 1781
Ion Ratio Lower Upper
62 100
98 0.0 9.0 13.6#



#33
Benzene
Concen: 0.054 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.007 min
Lab File: VV029044.D
Acq: 17 Nov 2022 02:38

Tgt Ion: 78 Resp: 4162





#34

Trichloroethene

Concen: 2.142 ug/L

RT: 5.915 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VV029044.D

Acq: 17 Nov 2022 02:38

Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 42367

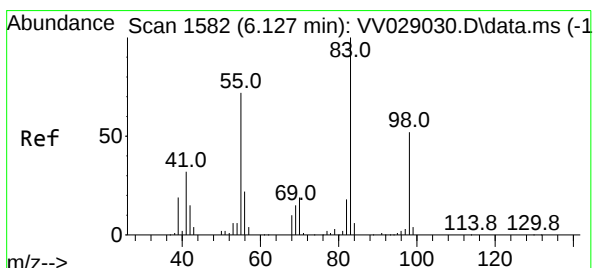
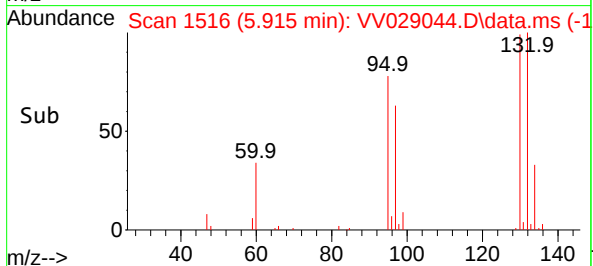
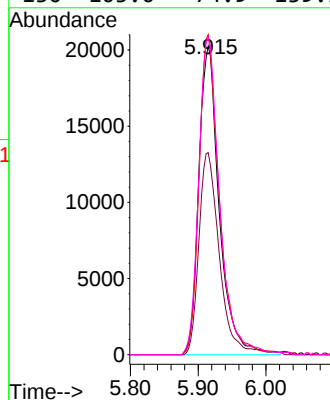
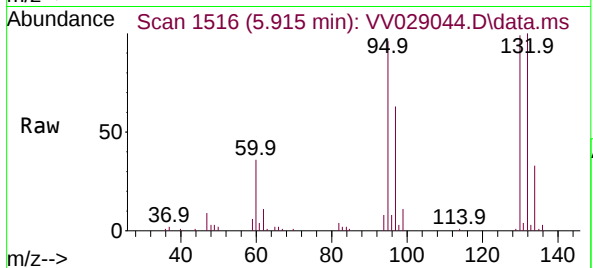
Ion Ratio Lower Upper

95 100

97 65.5 45.6 84.8

132 103.8 69.1 128.3

130 103.0 74.9 139.1



#35

Methylcyclohexane

Concen: 0.708 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.064 min

Lab File: VV029044.D

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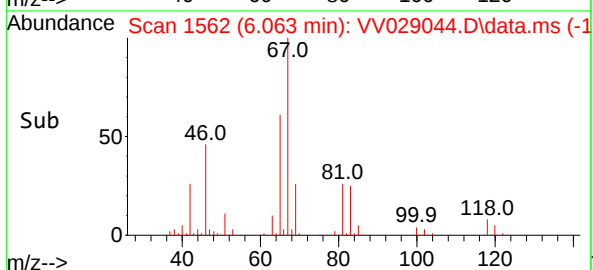
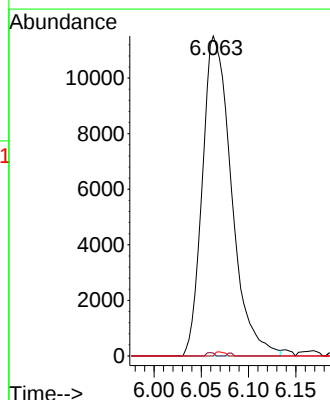
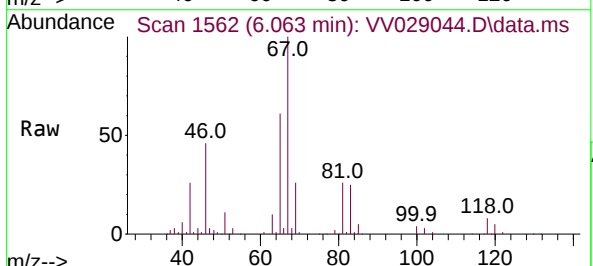
Tgt Ion: 83 Resp: 24597

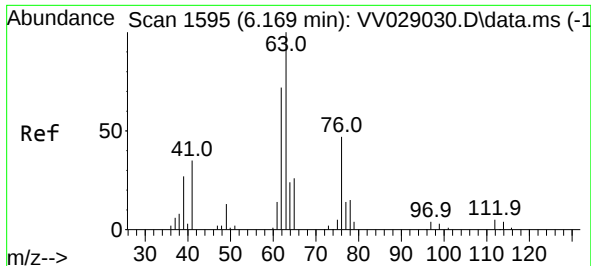
Ion Ratio Lower Upper

83 100

55 0.3 55.8 83.6#

98 0.4 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.579 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV029044.D

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ClientSampleId :

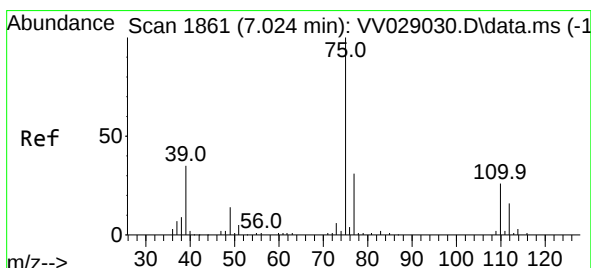
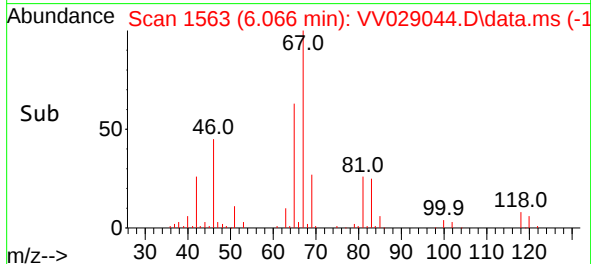
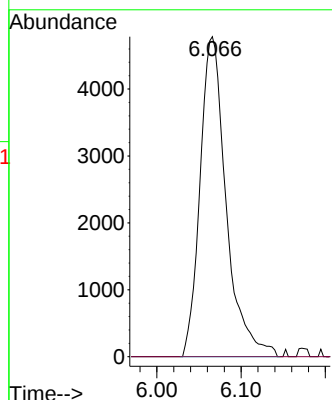
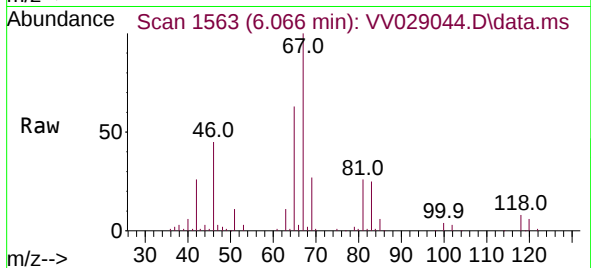
H0AA2

Tgt Ion: 63 Resp: 10316

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.042 min

Lab File: VV029044.D

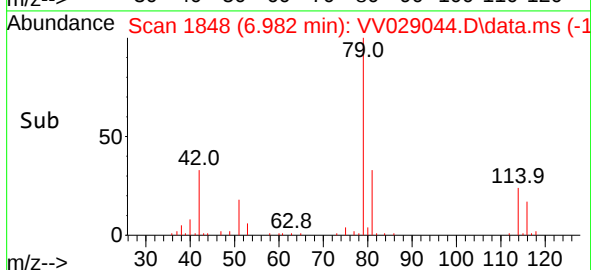
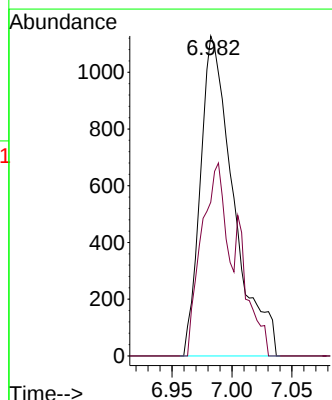
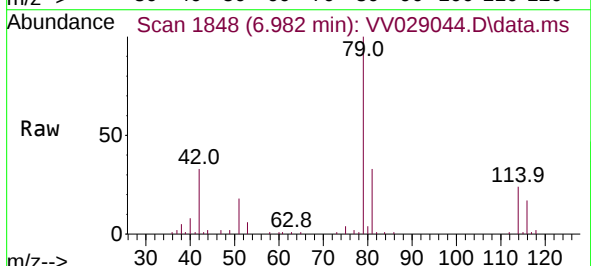
Acq: 17 Nov 2022 02:38

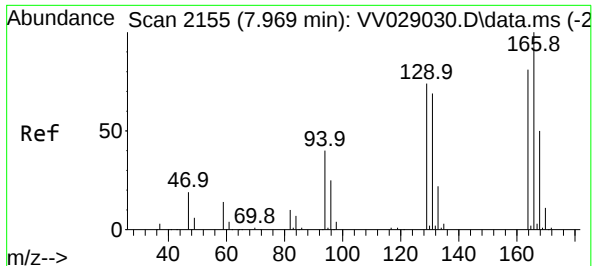
Tgt Ion: 75 Resp: 2166

Ion Ratio Lower Upper

75 100

77 48.0 21.8 40.6#

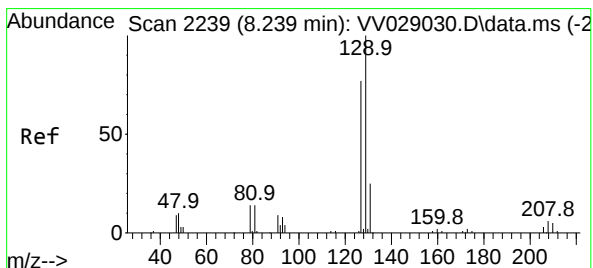
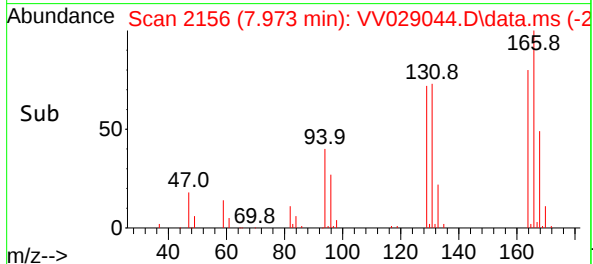
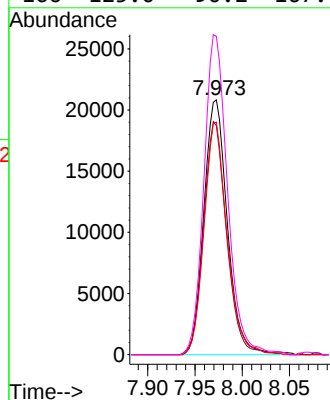
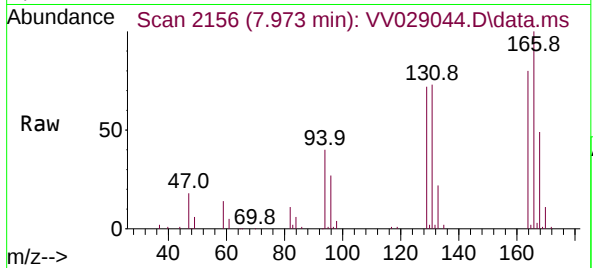




#47
Tetrachloroethene
Concen: 2.277 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VV029044.D
Acq: 17 Nov 2022 02:38

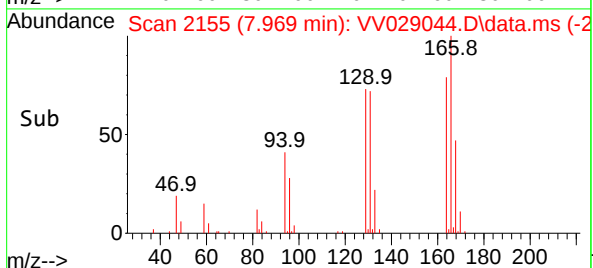
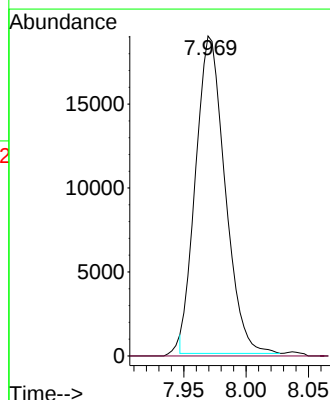
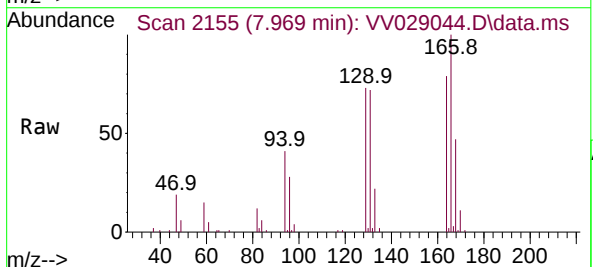
Instrument :
MSVOA_V
ClientSampleId :
H0AA2

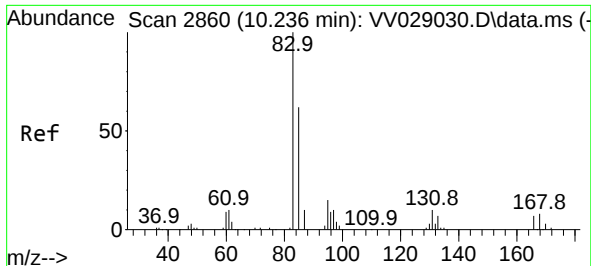
Tgt Ion:164 Resp: 36065
Ion Ratio Lower Upper
164 100
129 89.9 63.9 118.7
131 91.2 61.8 114.8
166 125.0 90.2 167.4



#49
Dibromochloromethane
Concen: 2.191 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.270 min
Lab File: VV029044.D
Acq: 17 Nov 2022 02:38

Tgt Ion:129 Resp: 30903
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.1#





#57

1,1,2,2-Tetrachloroethane

Concen: 0.090 ug/L

RT: 10.239 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV029044.D

Acq: 17 Nov 2022 02:38

Instrument :

MSVOA_V

ClientSampleId :

H0AA2

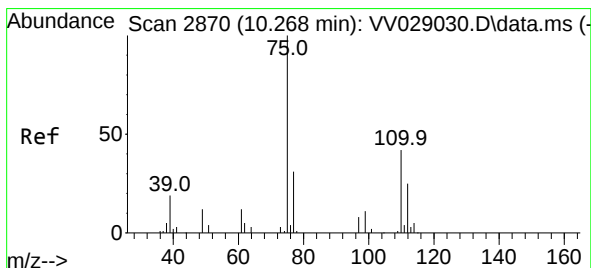
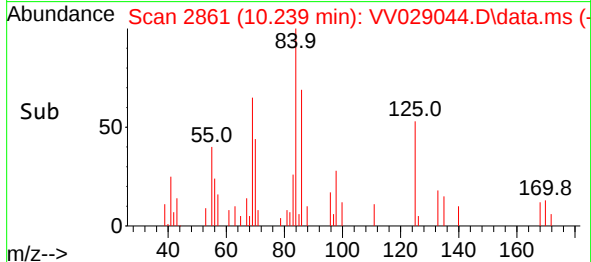
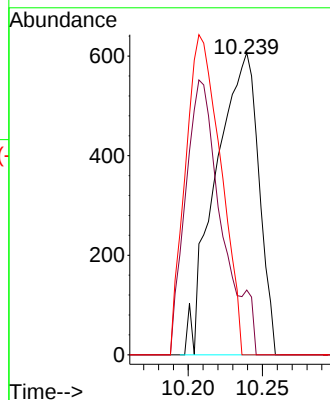
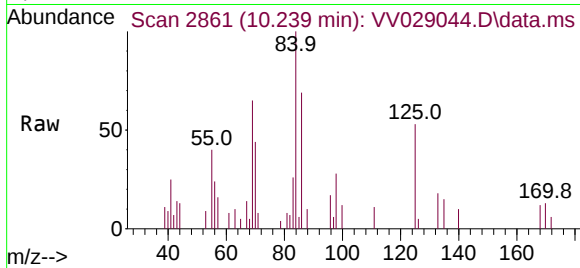
Tgt Ion: 83 Resp: 1220

Ion Ratio Lower Upper

83 100

85 21.4 45.2 84.0#

131 0.0 7.5 11.3#



#61

1,2,3-Trichloropropane

Concen: 1.920 ug/L

RT: 11.243 min Scan# 3173

Delta R.T. 0.974 min

Lab File: VV029044.D

Acq: 17 Nov 2022 02:38

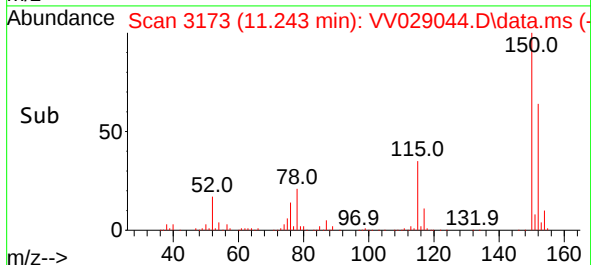
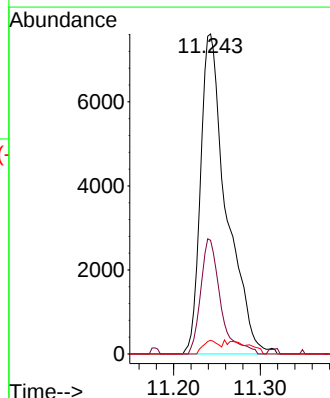
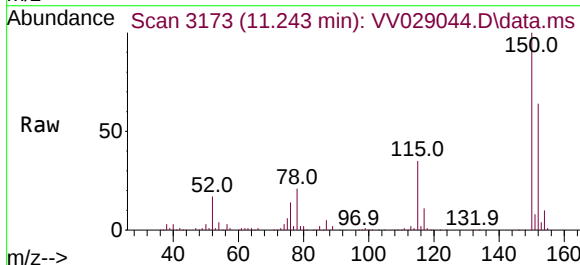
Tgt Ion: 75 Resp: 15790

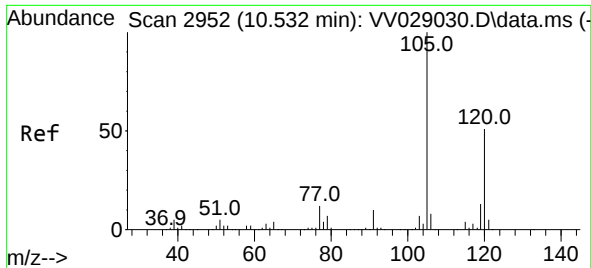
Ion Ratio Lower Upper

75 100

77 27.5 26.2 39.2

110 2.6 32.6 48.8#

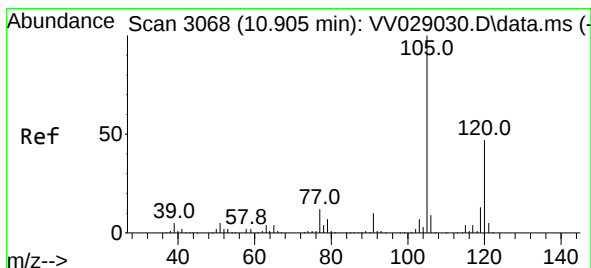
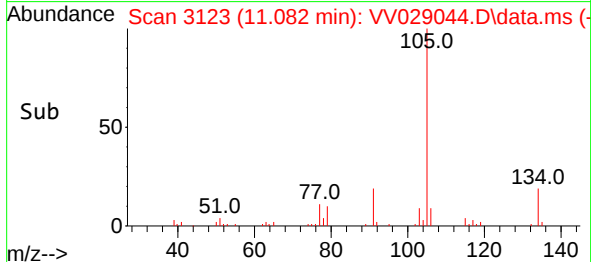
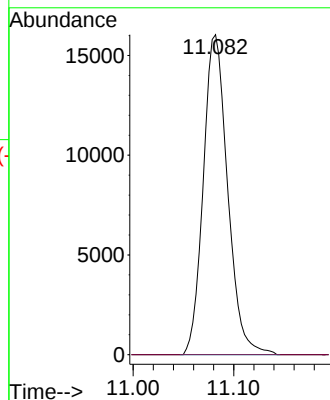
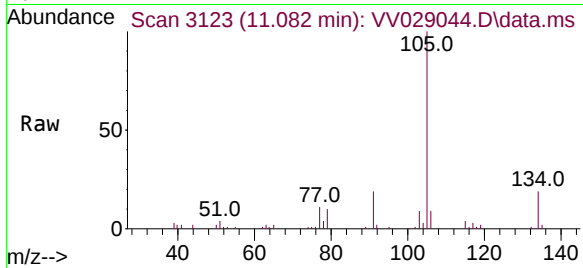




#62
1,3,5-Trimethylbenzene
Concen: 0.408 ug/L
RT: 11.082 min Scan# 3123
Delta R.T. 0.550 min
Lab File: VV029044.D
Acq: 17 Nov 2022 02:38

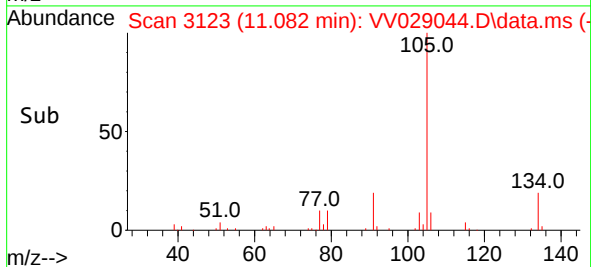
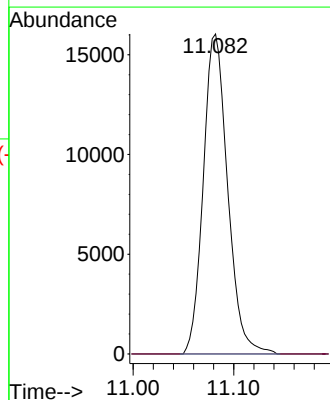
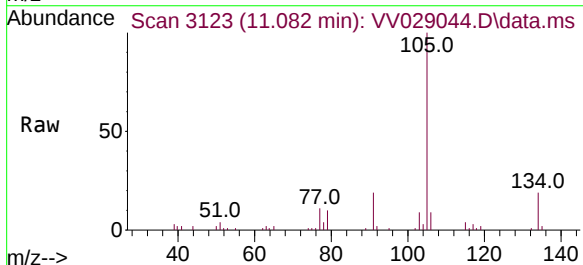
Instrument :
MSVOA_V
ClientSampleId :
H0AA2

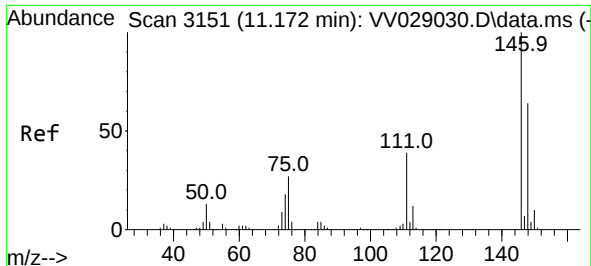
Tgt Ion:105 Resp: 27010
Ion Ratio Lower Upper
105 100
120 3.5 39.9 59.9#



#63
1,2,4-Trimethylbenzene
Concen: 0.407 ug/L
RT: 11.082 min Scan# 3123
Delta R.T. 0.177 min
Lab File: VV029044.D
Acq: 17 Nov 2022 02:38

Tgt Ion:105 Resp: 27010
Ion Ratio Lower Upper
105 100
120 0.5 37.8 56.8#

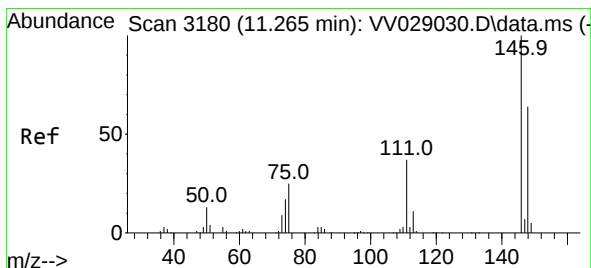
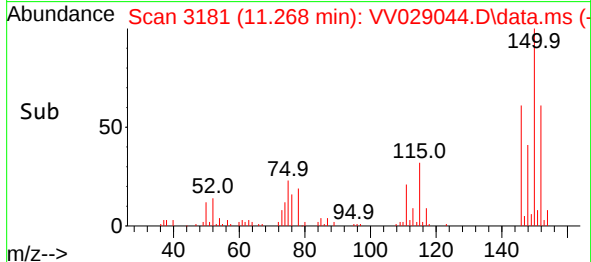
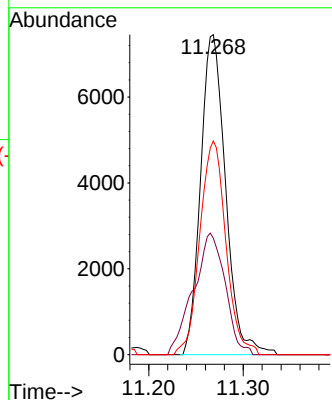
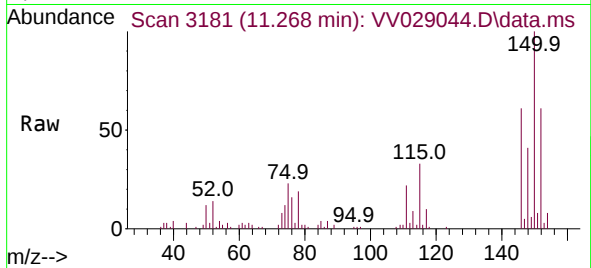




#64
1,3-Dichlorobenzene
Concen: 0.372 ug/L
RT: 11.268 min Scan# 3151
Delta R.T. 0.097 min
Lab File: VV029044.D
Acq: 17 Nov 2022 02:38

Instrument :
MSVOA_V
ClientSampleId :
H0AA2

Tgt Ion:146 Resp: 13671
Ion Ratio Lower Upper
146 100
111 36.4 26.9 50.1
148 66.8 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 0.370 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VV029044.D
Acq: 17 Nov 2022 02:38

Tgt Ion:146 Resp: 13671
Ion Ratio Lower Upper
146 100
111 36.4 26.5 49.3
148 66.8 44.5 82.7

