

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102021\
 Data File : VW022945.D
 Acq On : 20 Oct 2021 20:52
 Operator : SY/MD
 Sample : M4137-07DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA8DL

Quant Time: Oct 21 02:50:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 21 02:43:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	121114	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	122046	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56961	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	29308	3.517	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.400%
7) Chloroethane-d5	1.568	69	28098	3.752	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.000%
11) 1,1-Dichloroethene-d2	2.108	63	40315	2.466	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.400%#
20) 2-Butanone-d5	3.899	46	99991	45.765	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.520%
24) Chloroform-d	4.352	84	80574	4.692	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.034	65	42885	5.146	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
32) Benzene-d6	5.053	84	175065	4.818	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.072	67	57526	5.346	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.320	98	144134	4.589	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	7.629	79	16058	4.499	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.092	63	80392	55.890	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.780%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40122	5.504	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	59014	5.588	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.311	62	1578	0.172	ug/L #	38
6) Bromomethane	1.520	94	279	0.049	ug/L	71
12) 1,1-Dichloroethene	2.111	96	538	0.074	ug/L #	1
16) Methylene chloride	2.510	84	10264	1.019	ug/L	96
17) Methyl tert-butyl Ether	2.773	73	2777	0.157	ug/L #	91
18) trans-1,2-Dichloroethene	2.767	96	479	0.060	ug/L	93
19) 1,1-Dichloroethane	3.198	63	996	0.070	ug/L #	84
22) cis-1,2-Dichloroethene	3.915	96	68749	8.229	ug/L	98
25) Chloroform	4.384	83	13520	0.814	ug/L	98
34) Trichloroethene	5.921	95	9673	1.082	ug/L	96
35) Methylcyclohexane	6.072	83	14014	1.119	ug/L #	16
37) 1,2-Dichloropropane	6.072	63	6214	0.786	ug/L #	85
39) cis-1,3-Dichloropropene	6.995	75	1207	0.115	ug/L #	42
42) Toluene	7.394	91	14683	0.440	ug/L	98
45) 1,1,2-Trichloroethane	7.976	97	470	0.080	ug/L #	1
47) Tetrachloroethene	7.979	164	50291	6.957	ug/L	97
48) 2-Hexanone	8.088	43	9778	3.148	ug/L #	65
49) Dibromochloromethane	7.976	129	44640	6.500	ug/L #	7
61) 1,2,3-Trichloropropane	11.188	75	407	0.103	ug/L #	37

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QLast Update : Thu Oct 21 02:43:59 2021
Response via : Initial Calibration

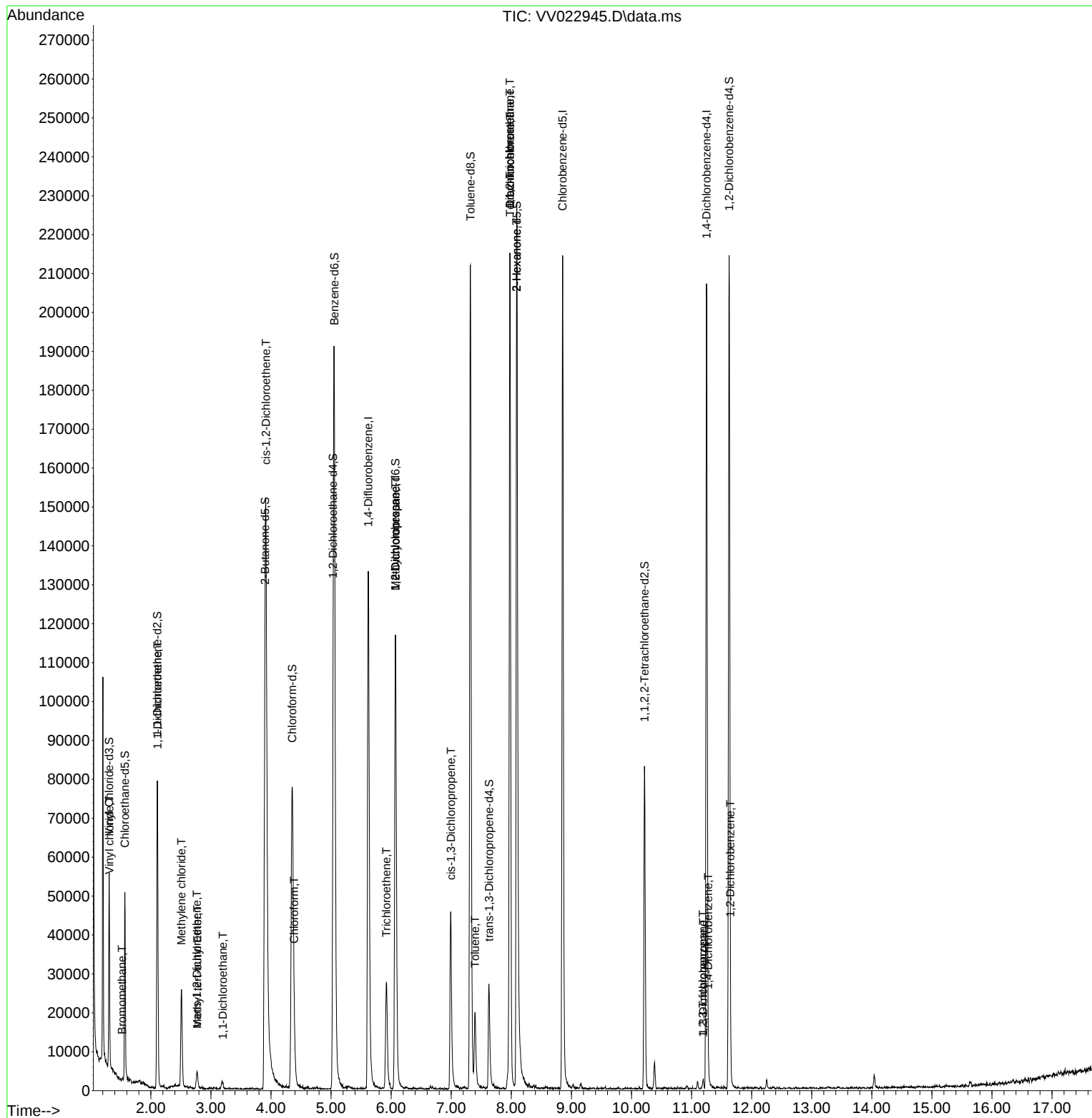
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.194	146	1119	0.074	ug/L	88
65) 1,4-Dichlorobenzene	11.278	146	1072	0.070	ug/L	91
67) 1,2-Dichlorobenzene	11.648	146	1017	0.071	ug/L	96

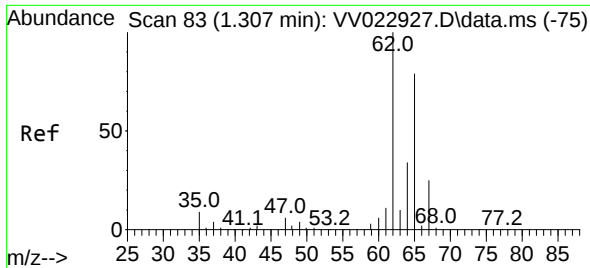
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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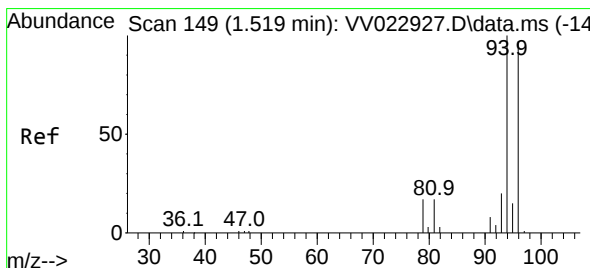
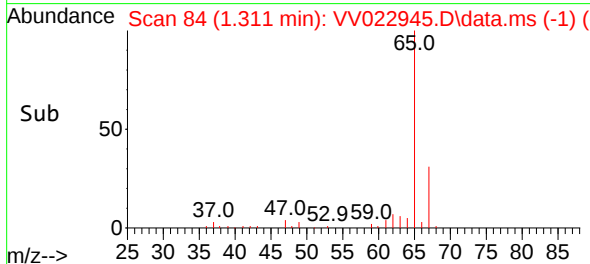
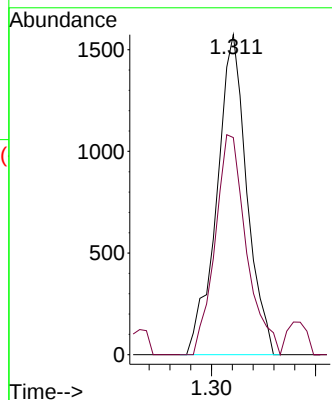
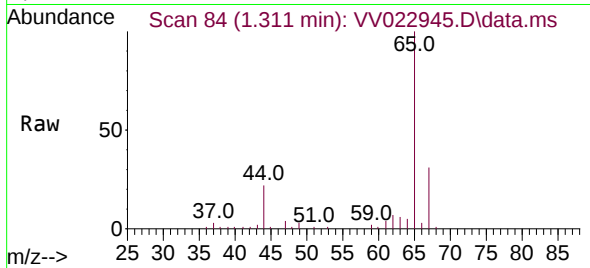




#5
 Vinyl chloride
 Concen: 0.172 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV022945.D
 Acq: 20 Oct 2021 20:52

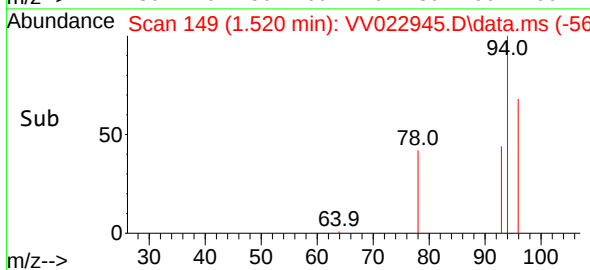
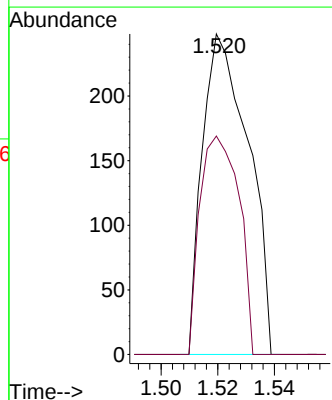
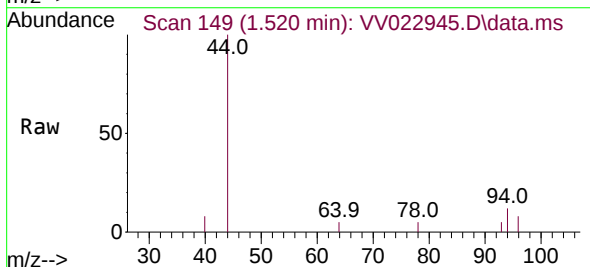
Instrument :
 MSVOA_V
 ClientSampleID :
 BFGA8DL

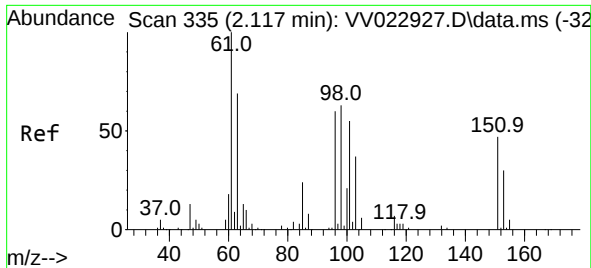
Tgt Ion: 62 Resp: 1578
 Ion Ratio Lower Upper
 62 100
 64 67.9 23.0 42.8#



#6
 Bromomethane
 Concen: 0.049 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV022945.D
 Acq: 20 Oct 2021 20:52

Tgt Ion: 94 Resp: 279
 Ion Ratio Lower Upper
 94 100
 96 68.1 67.2 124.8

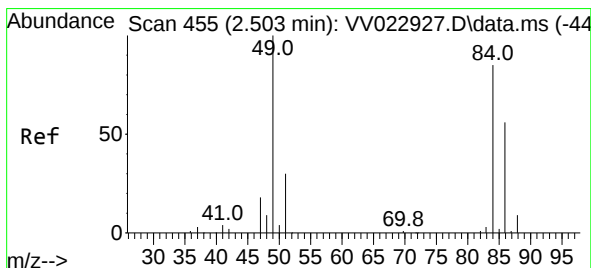
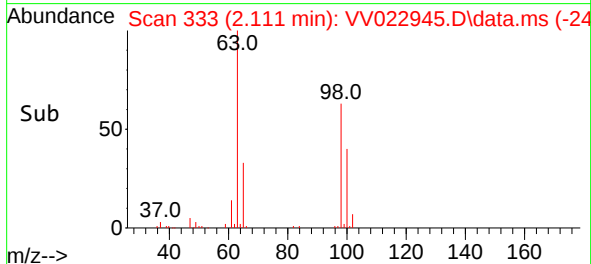
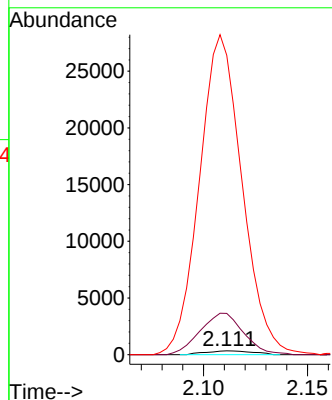
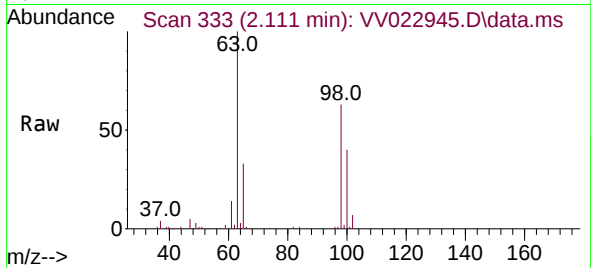




#12
1,1-Dichloroethene
Concen: 0.074 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

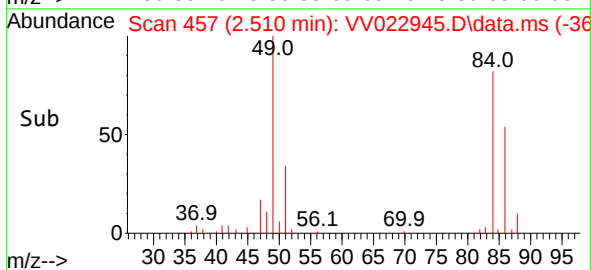
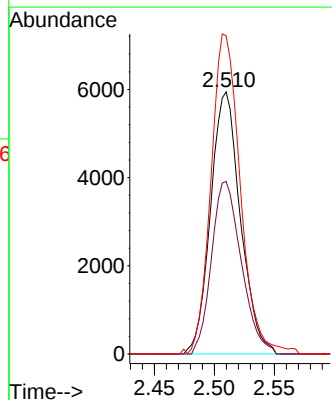
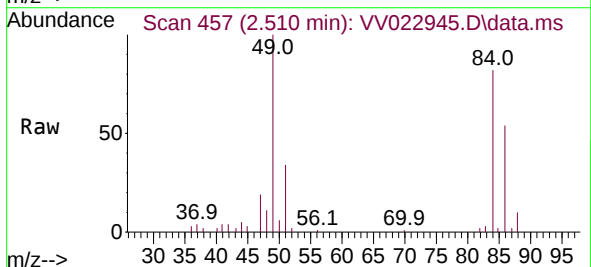
Instrument :
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ClientSampleId :
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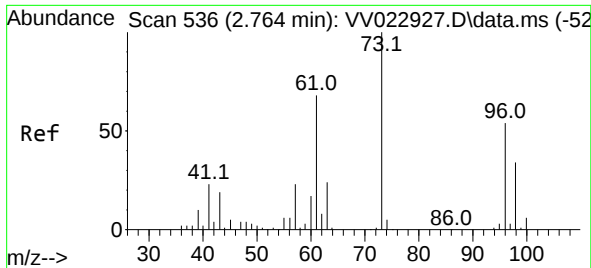
Tgt Ion: 96 Resp: 538
Ion Ratio Lower Upper
96 100
61 1072.9 127.3 236.5#
63 7767.1 106.2 197.2#



#16
Methylene chloride
Concen: 1.019 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.006 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Tgt Ion: 84 Resp: 10264
Ion Ratio Lower Upper
84 100
86 65.8 45.8 85.2
49 121.4 90.3 167.7

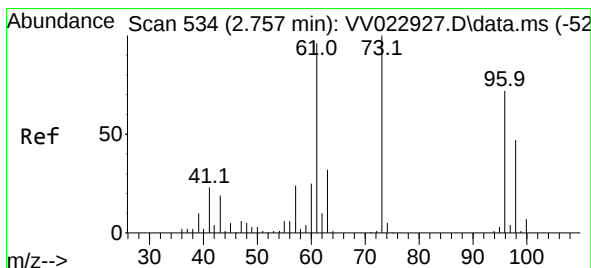
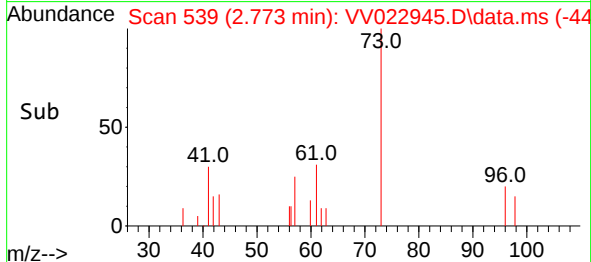
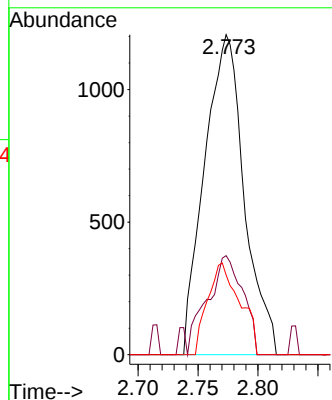
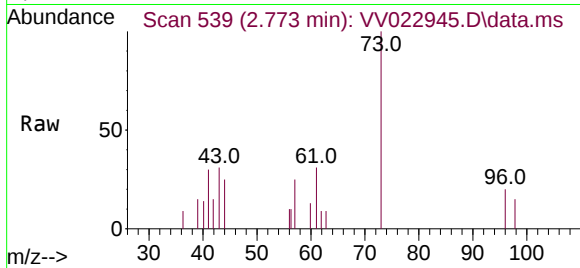




#17
Methyl tert-butyl Ether
Concen: 0.157 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.010 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

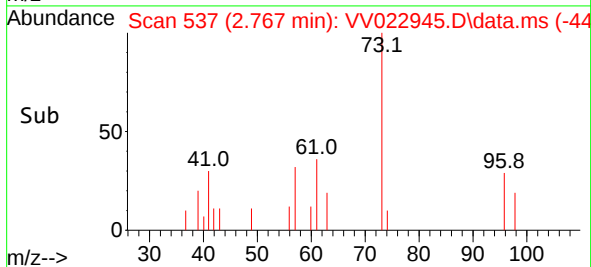
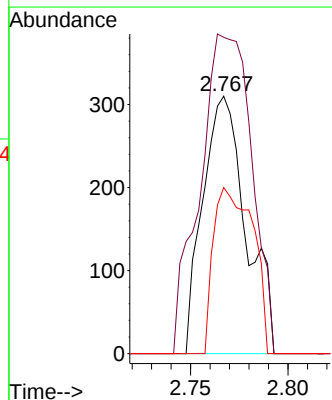
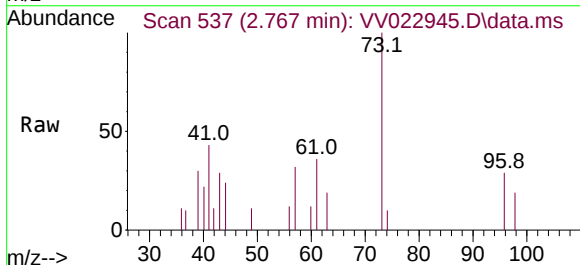
Instrument :
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ClientSampleId :
BFGA8DL

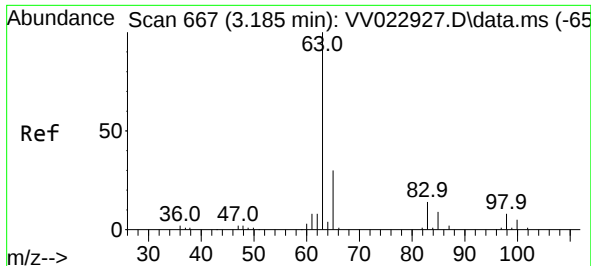
Tgt Ion: 73 Resp: 2777
Ion Ratio Lower Upper
73 100
43 27.8 17.1 25.7#
57 23.3 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 0.060 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.010 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Tgt Ion: 96 Resp: 479
Ion Ratio Lower Upper
96 100
61 122.9 94.5 175.5
98 64.5 44.2 82.0





#19

1,1-Dichloroethane

Concen: 0.070 ug/L

RT: 3.198 min Scan# 671

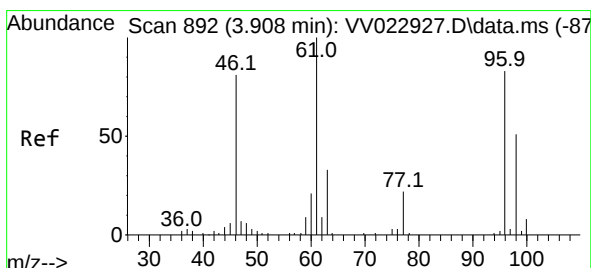
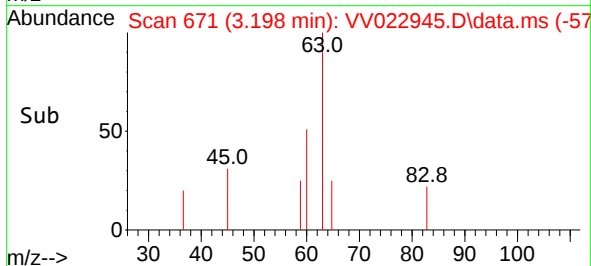
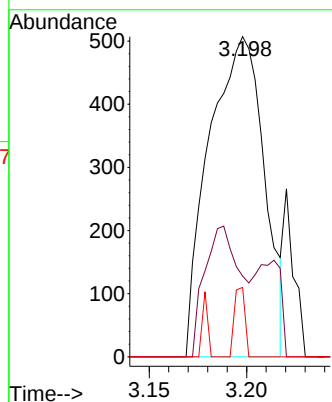
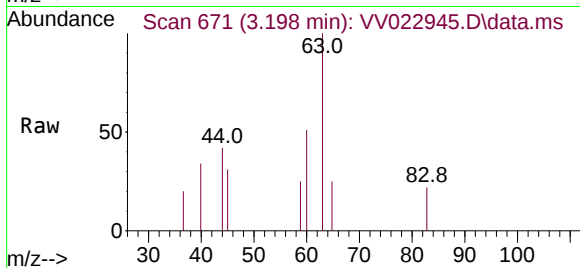
Delta R.T. 0.013 min

Lab File: VV022945.D

Acq: 20 Oct 2021 20:52

Tgt Ion: 63	Resp: 996
Ion Ratio	Lower Upper
63 100	
65 25.2	23.5 43.7
83 21.7	10.1 18.7#

Instrument :
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ClientSampleID :
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#22

cis-1,2-Dichloroethene

Concen: 8.229 ug/L

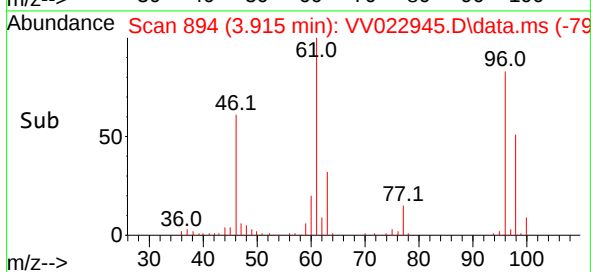
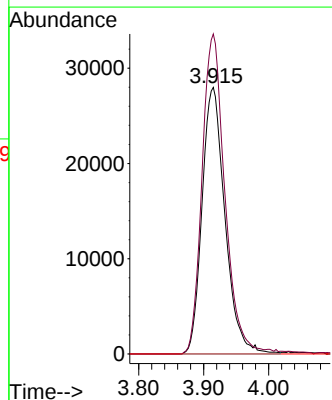
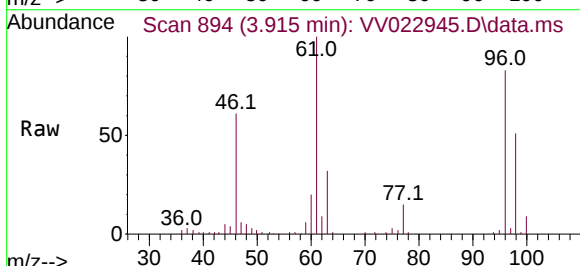
RT: 3.915 min Scan# 894

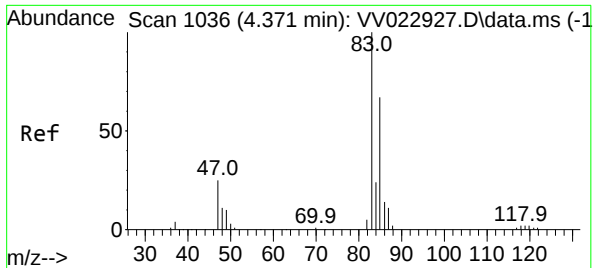
Delta R.T. 0.006 min

Lab File: VV022945.D

Acq: 20 Oct 2021 20:52

Tgt Ion: 96	Resp: 68749
Ion Ratio	Lower Upper
96 100	
61 120.1	86.0 159.6
68 0.0	0.0 0.0

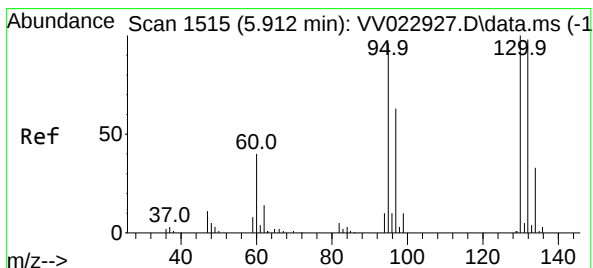
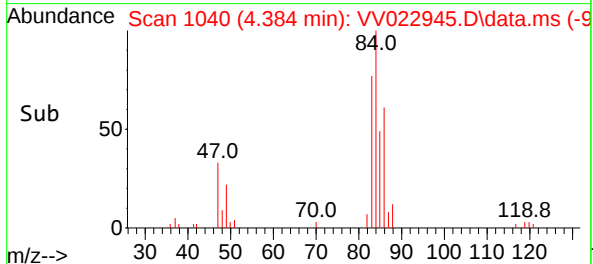
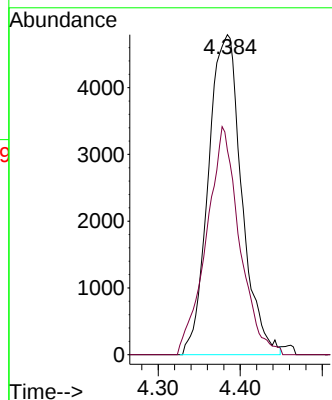
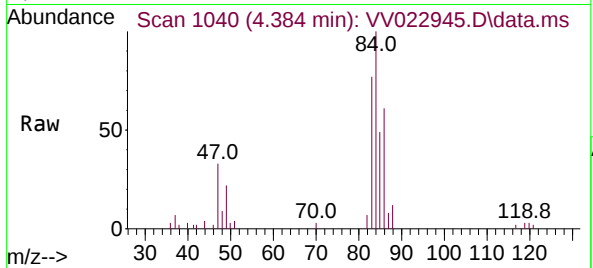




#25
Chloroform
Concen: 0.814 ug/L
RT: 4.384 min Scan# 1040
Delta R.T. 0.013 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

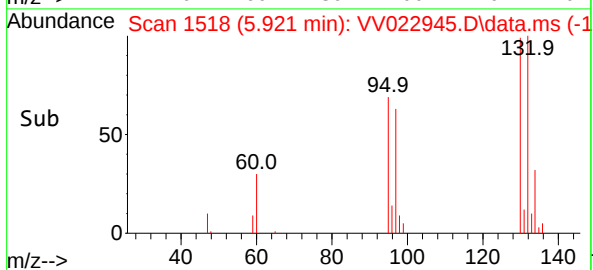
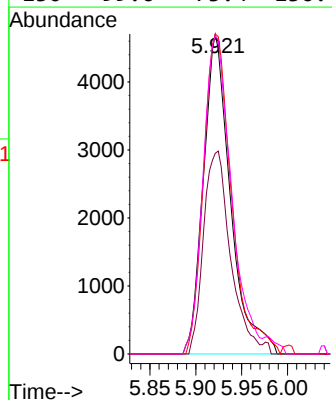
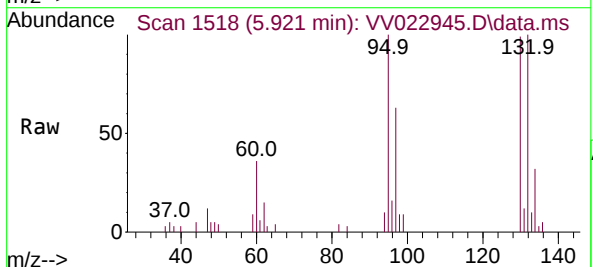
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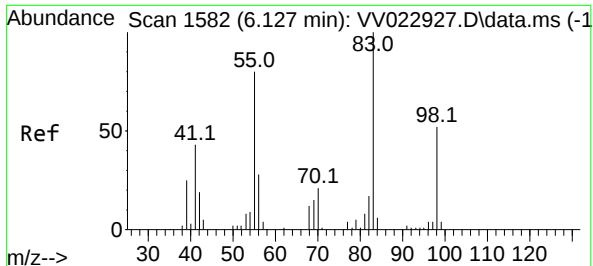
Tgt Ion: 83 Resp: 13520
Ion Ratio Lower Upper
83 100
85 63.9 45.7 84.9



#34
Trichloroethene
Concen: 1.082 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.010 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Tgt Ion: 95 Resp: 9673
Ion Ratio Lower Upper
95 100
97 62.8 45.8 85.2
132 100.1 72.2 134.0
130 99.6 73.4 136.4

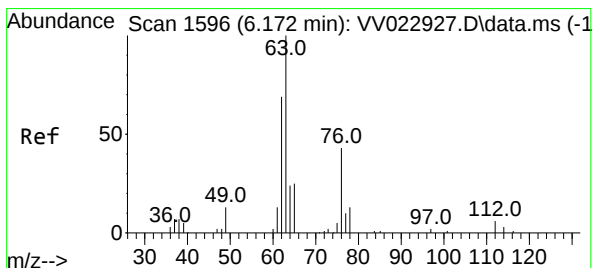
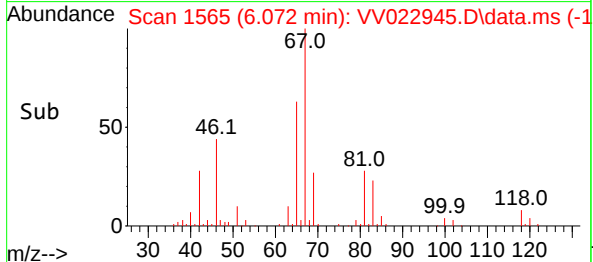
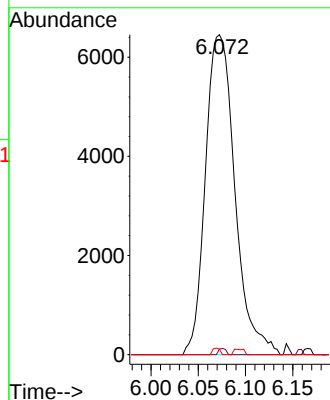
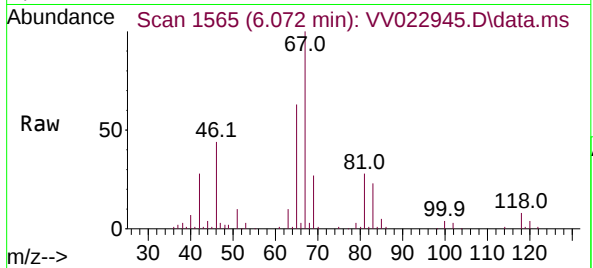




#35
Methylcyclohexane
Concen: 1.119 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

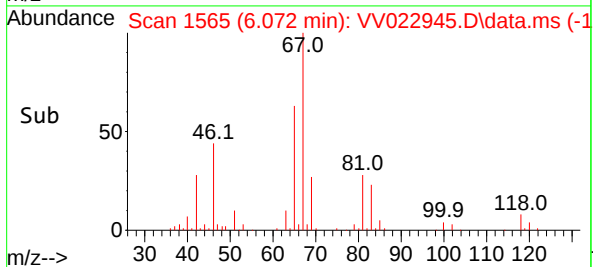
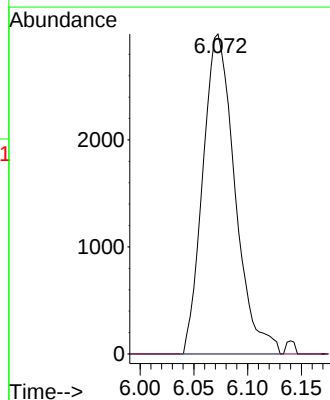
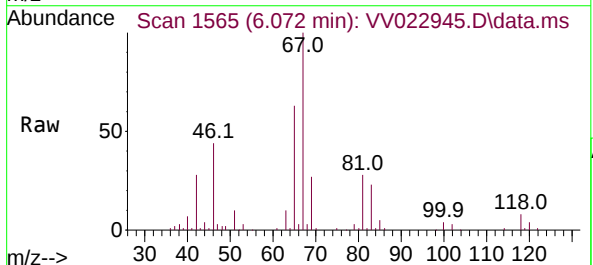
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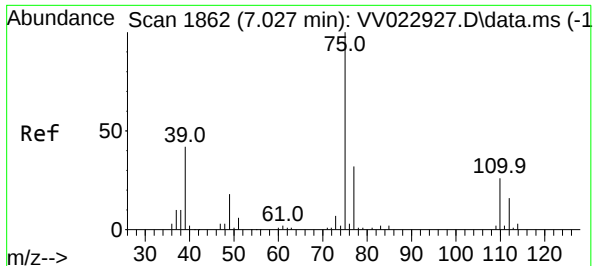
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.5	63.8	95.6#
98	0.5	42.1	63.1#



#37
1,2-Dichloropropane
Concen: 0.786 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.100 min
Lab File: VV022945.D
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Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.3	4.4	6.6#

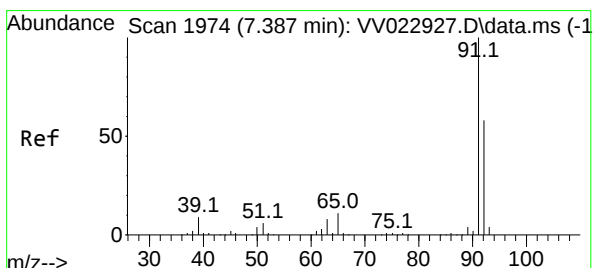
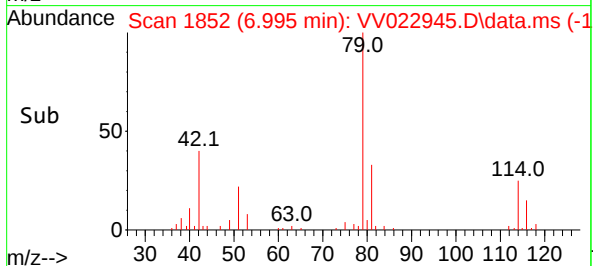
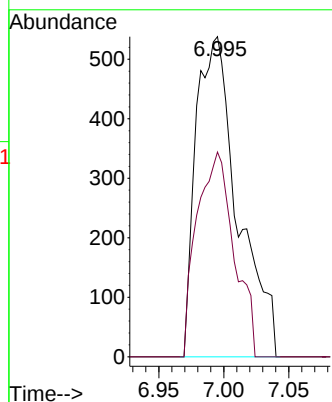
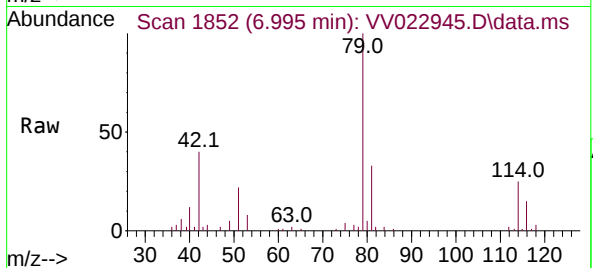




#39
 cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 6.995 min Scan# 1852
 Delta R.T. -0.032 min
 Lab File: VV022945.D
 Acq: 20 Oct 2021 20:52

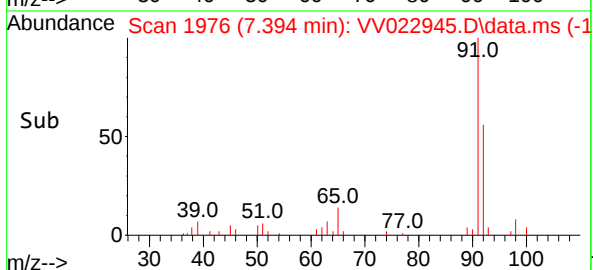
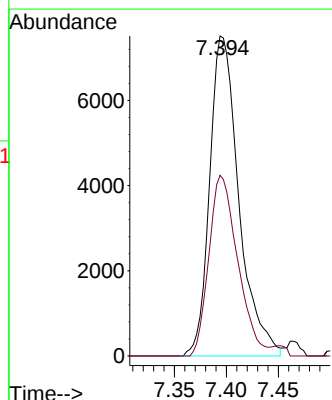
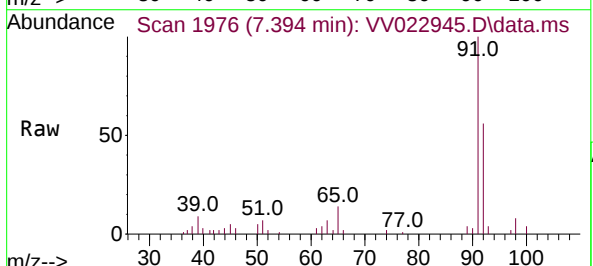
Instrument :
 MSVOA_V
 ClientSampleID :
 BFGA8DL

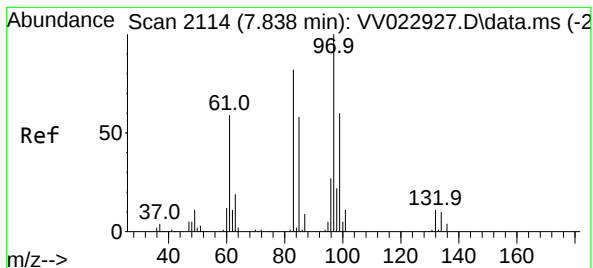
Tgt Ion: 75 Resp: 1207
 Ion Ratio Lower Upper
 75 100
 77 63.9 22.3 41.3#



#42
 Toluene
 Concen: 0.440 ug/L
 RT: 7.394 min Scan# 1976
 Delta R.T. 0.006 min
 Lab File: VV022945.D
 Acq: 20 Oct 2021 20:52

Tgt Ion: 91 Resp: 14683
 Ion Ratio Lower Upper
 91 100
 92 56.5 40.7 75.7





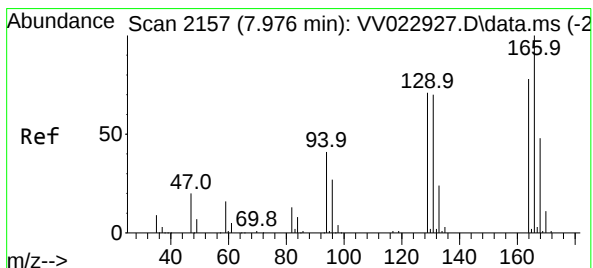
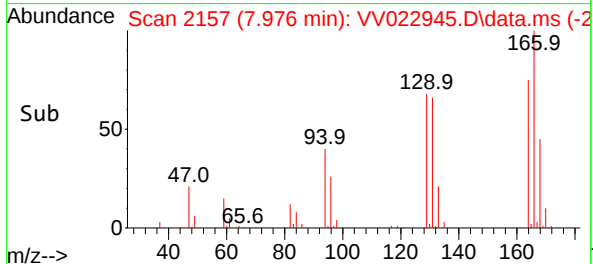
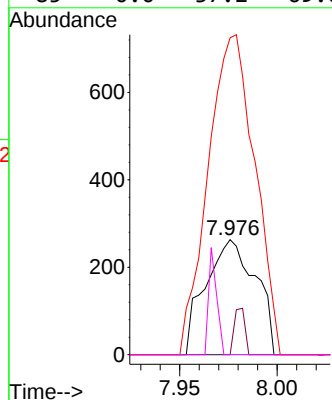
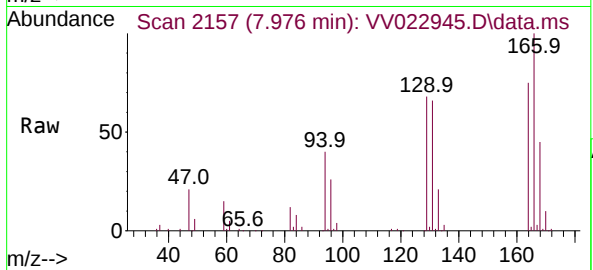
#45

1,1,2-Trichloroethane
Concen: 0.080 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.138 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Instrument :
MSVOA_V
ClientSampled :
BFGA8DL

Tgt Ion: 97 Resp: 470

Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.5	82.7#
83	275.7	56.6	105.0#
85	0.0	37.2	69.0#

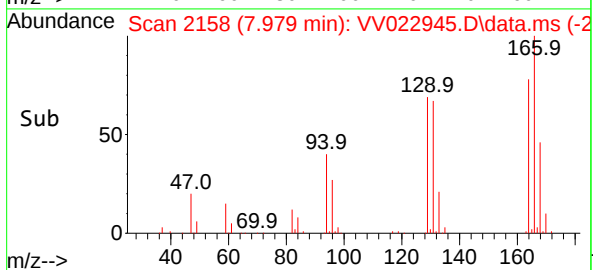
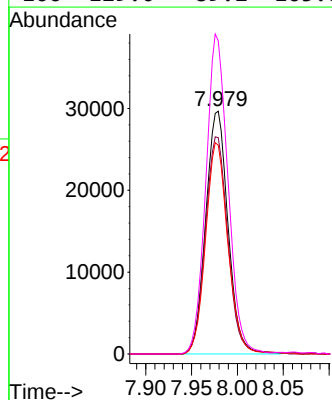
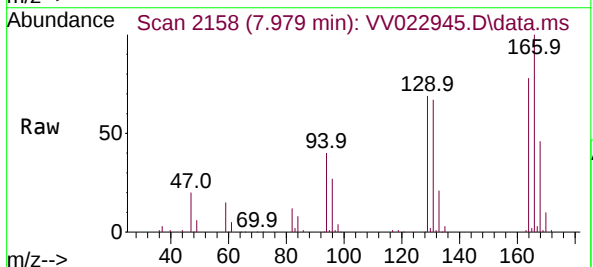


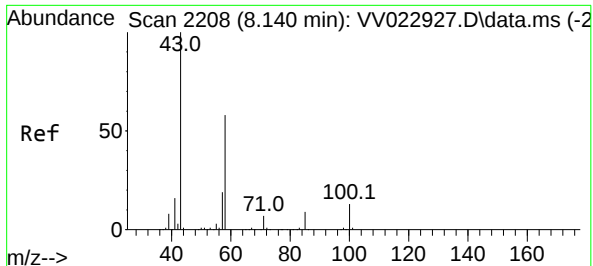
#47

Tetrachloroethene
Concen: 6.957 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Tgt Ion: 164 Resp: 50291

Ion	Ratio	Lower	Upper
164	100		
129	89.1	65.0	120.6
131	86.1	62.2	115.4
166	129.0	89.2	165.8





#48

2-Hexanone

Concen: 3.148 ug/L

RT: 8.088 min Scan# 2192

Delta R.T. -0.051 min

Lab File: VV022945.D

Acq: 20 Oct 2021 20:52

Tgt Ion: 43 Resp: 9778

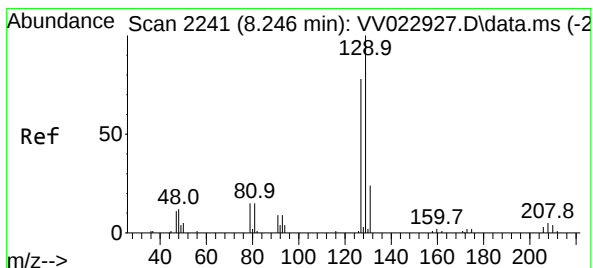
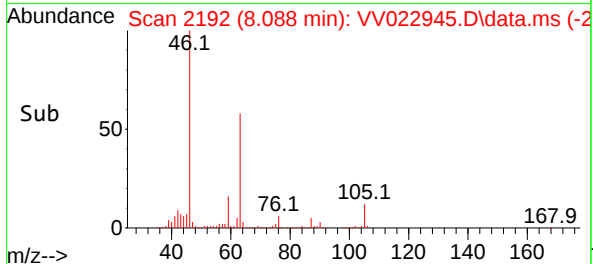
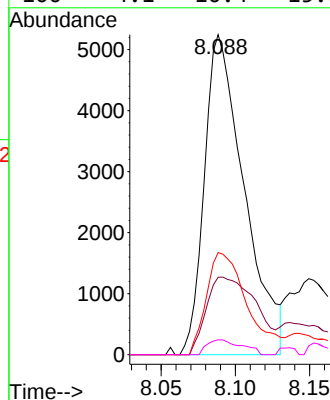
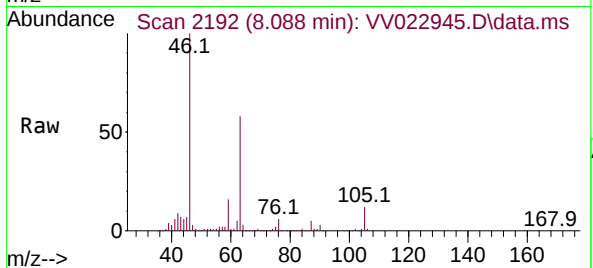
Ion Ratio Lower Upper

43 100

58 30.4 47.4 71.0#

57 33.1 15.3 22.9#

100 4.1 10.4 15.6#



#49

Dibromochloromethane

Concen: 6.500 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV022945.D

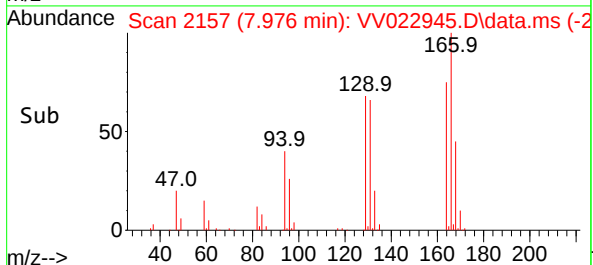
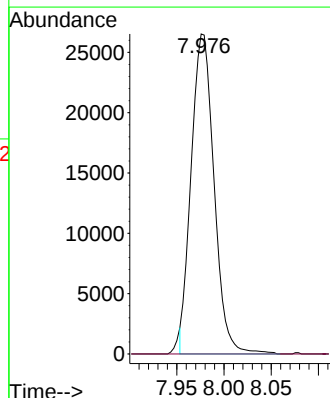
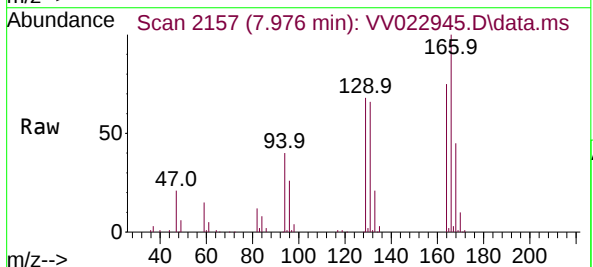
Acq: 20 Oct 2021 20:52

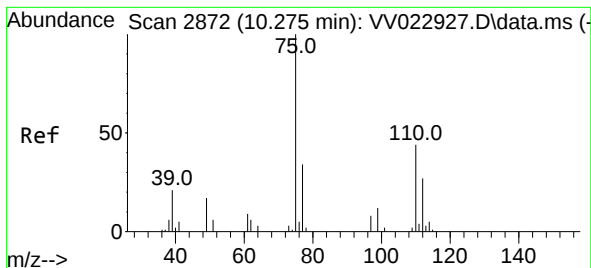
Tgt Ion: 129 Resp: 44640

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#

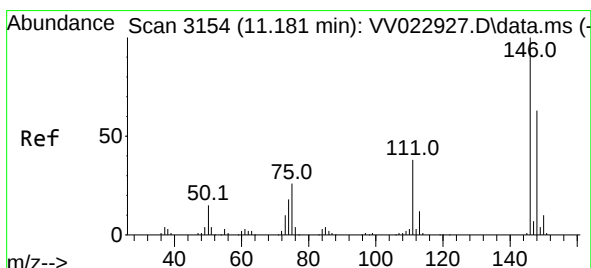
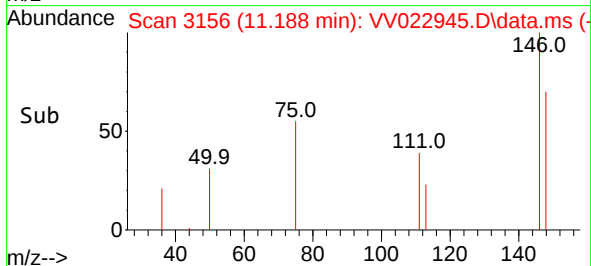
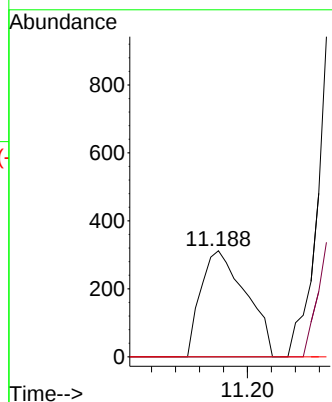
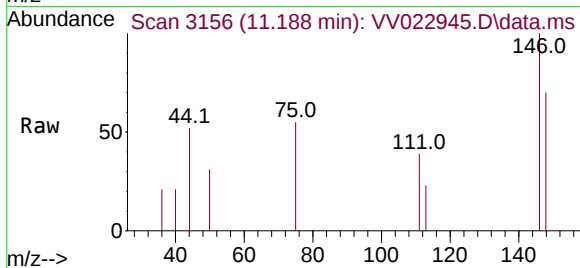




#61
1,2,3-Trichloropropane
Concen: 0.103 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.913 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

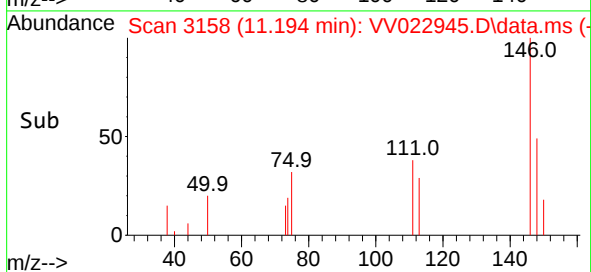
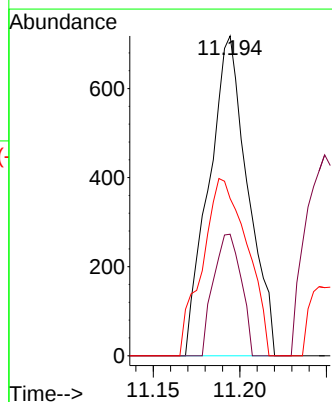
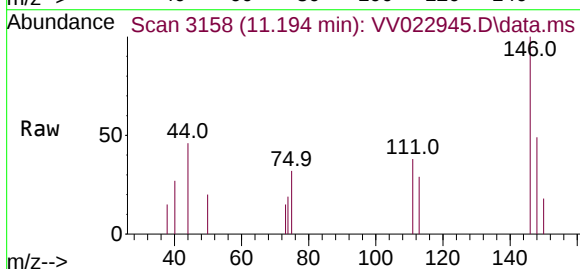
Instrument :
MSVOA_V
ClientSampleId :
BFGA8DL

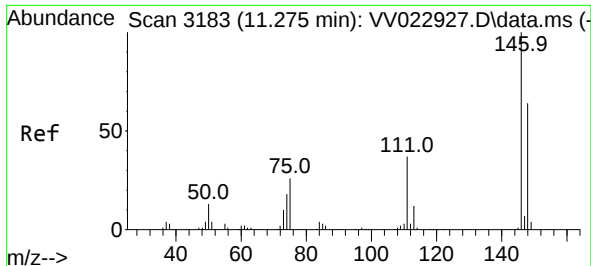
Tgt Ion: 75 Resp: 407
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
110 0.0 34.2 51.4#



#64
1,3-Dichlorobenzene
Concen: 0.074 ug/L
RT: 11.194 min Scan# 3158
Delta R.T. 0.013 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Tgt Ion: 146 Resp: 1119
Ion Ratio Lower Upper
146 100
111 38.0 26.7 49.5
148 49.2 45.1 83.9

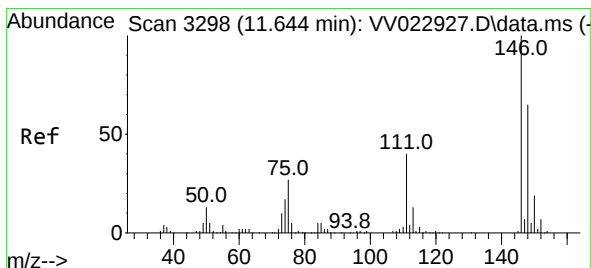
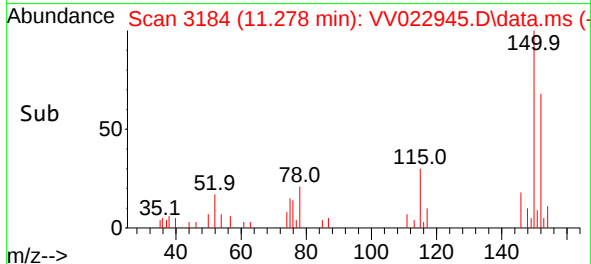
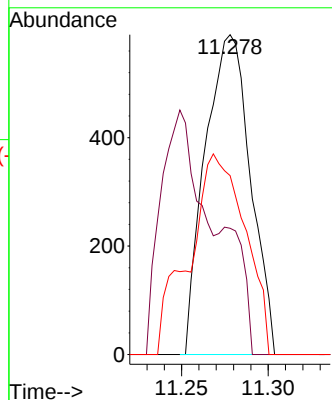
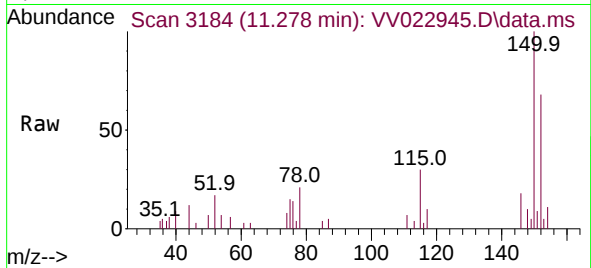




#65
1,4-Dichlorobenzene
Concen: 0.070 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Instrument :
MSVOA_V
ClientSampleId :
BFGA8DL

Tgt Ion:146 Resp: 1072
Ion Ratio Lower Upper
146 100
111 39.5 25.6 47.4
148 55.9 44.9 83.5



#67
1,2-Dichlorobenzene
Concen: 0.071 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. 0.003 min
Lab File: VV022945.D
Acq: 20 Oct 2021 20:52

Tgt Ion:146 Resp: 1017
Ion Ratio Lower Upper
146 100
111 43.2 32.3 48.5
148 67.7 52.1 78.1

