

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111821\
 Data File : VW023599.D
 Acq On : 18 Nov 2021 13:12
 Operator : SY/MD
 Sample : M4642-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 19 02:12:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 19 02:11:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	118556	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	123518	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	58793	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	39117	5.267	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.400%
7) Chloroethane-d5	1.568	69	30583	5.052	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.000%
11) 1,1-Dichloroethene-d2	2.108	63	66754	4.801	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.000%
20) 2-Butanone-d5	3.902	46	35906	28.061	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	56.120%
24) Chloroform-d	4.352	84	69552	4.394	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.037	65	33490	4.705	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
32) Benzene-d6	5.050	84	134836	4.255	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.069	67	39168	4.198	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.000%
41) Toluene-d8	7.317	98	124424	4.190	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	7.625	79	14936	4.222	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.092	63	55042	42.290	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.580%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	28024	4.177	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	47341	4.836	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
8) Chloroethane	1.584	64	31821	5.617	ug/L	98
9) Trichlorofluoromethane	1.751	101	104658	7.096	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	849	0.114	ug/L #	20
12) 1,1-Dichloroethene	2.118	96	26604	3.763	ug/L	95
16) Methylene chloride	2.510	84	5763	0.559	ug/L	92
27) 1,2-Dichloroethane	5.047	62	604	0.073	ug/L #	72
34) Trichloroethene	5.915	95	71841	7.825	ug/L	96
37) 1,2-Dichloropropane	6.172	63	93903	11.651	ug/L	99
39) cis-1,3-Dichloropropene	6.995	75	1320	0.114	ug/L #	80
40) 4-Methyl-2-pentanone	7.230	43	40711	10.891	ug/L	99
45) 1,1,2-Trichloroethane	7.844	97	11617	2.006	ug/L	100
47) Tetrachloroethene	7.976	164	98058	12.324	ug/L	98
48) 2-Hexanone	8.146	43	66372	25.340	ug/L	99
49) Dibromochloromethane	7.976	129	85725	11.683	ug/L #	10
55) Styrene	9.561	104	125069	5.092	ug/L	97
60) Isopropylbenzene	9.561	105	10784	0.320	ug/L #	1
61) 1,2,3-Trichloropropane	10.426	75	3400	0.871	ug/L #	38
62) 1,3,5-Trimethylbenzene	9.561	105	10784	0.385	ug/L #	28
64) 1,3-Dichlorobenzene	11.272	146	73676	4.274	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 19 02:11:08 2021
Response via : Initial Calibration

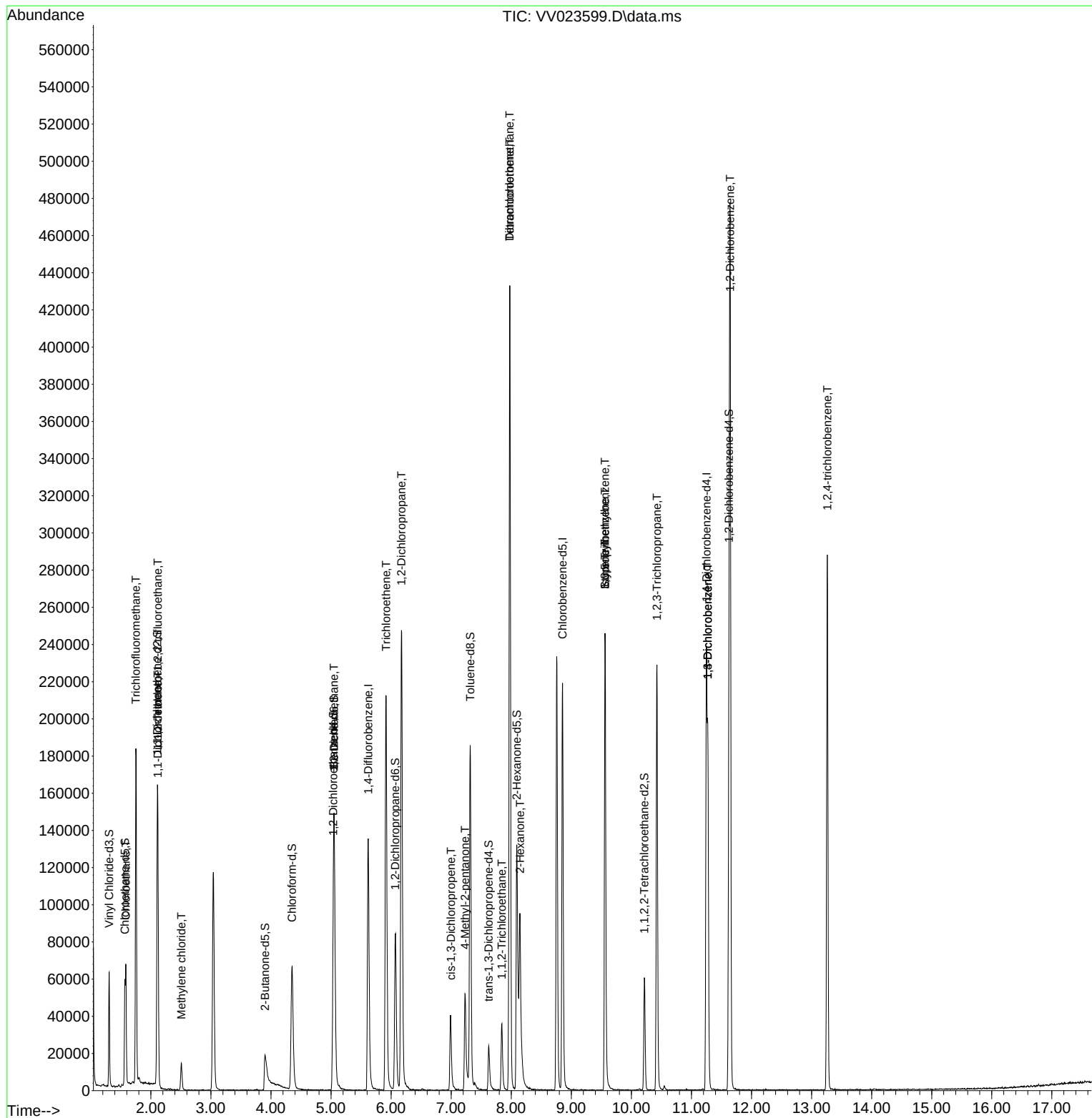
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.272	146	73676	4.185	ug/L	99
67) 1,2-Dichlorobenzene	11.644	146	176871	11.466	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	87572	8.102	ug/L	99

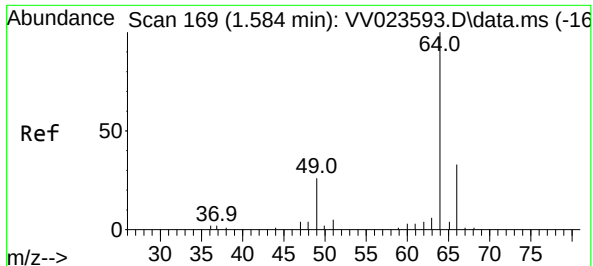
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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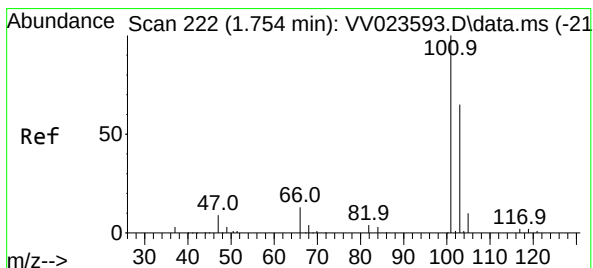
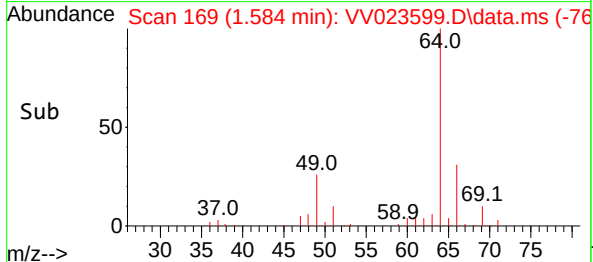
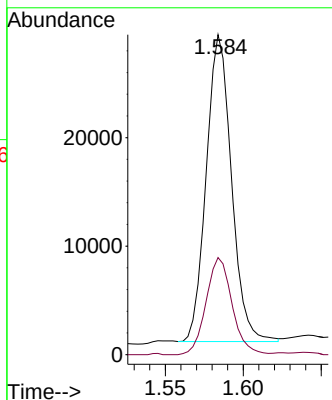
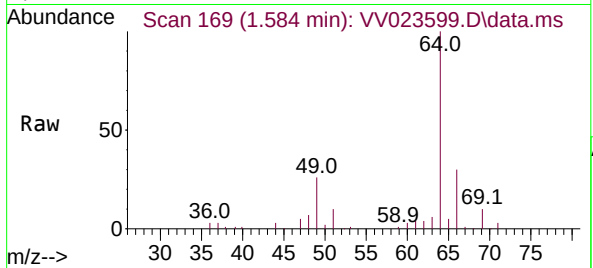




#8
Chloroethane
Concen: 5.617 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

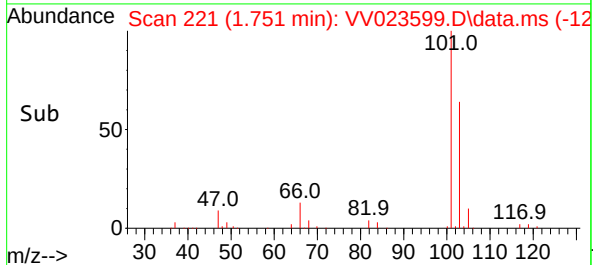
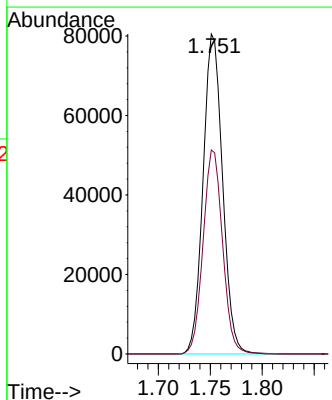
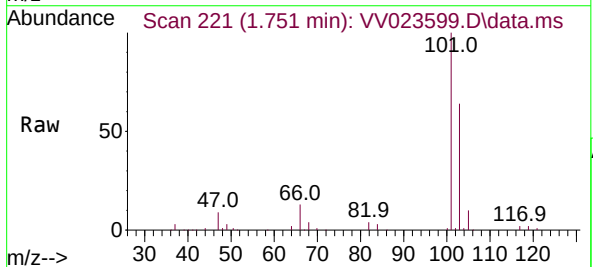
Instrument :
MSVOA_V
ClientSampleId :

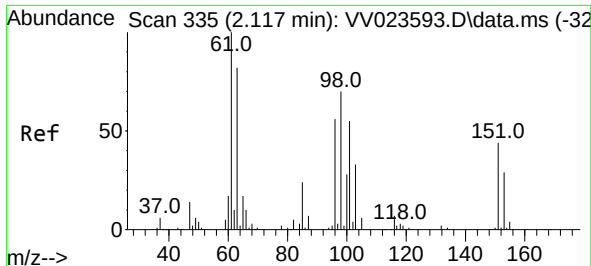
Tgt Ion: 64 Resp: 31821
Ion Ratio Lower Upper
64 100
66 30.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 7.096 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.003 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

Tgt Ion:101 Resp: 104658
Ion Ratio Lower Upper
101 100
103 63.6 52.6 79.0

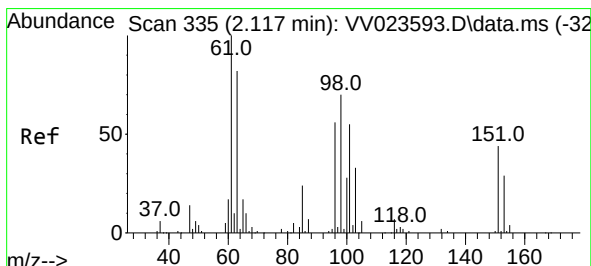
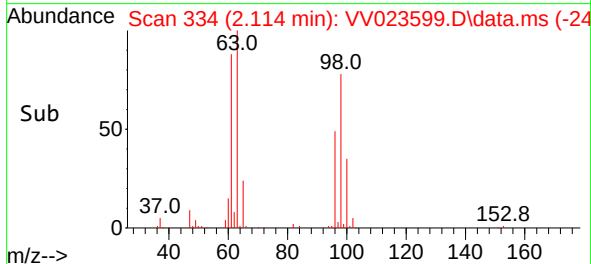
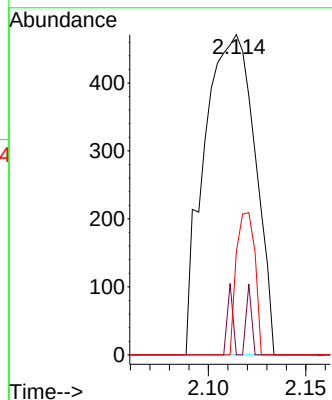
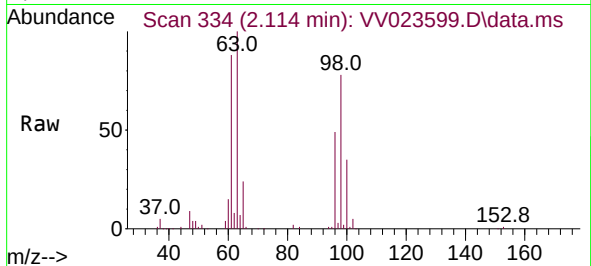




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.114 ug/L
 RT: 2.114 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV023599.D
 Acq: 18 Nov 2021 13:12

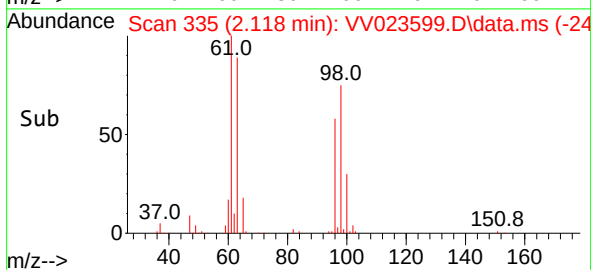
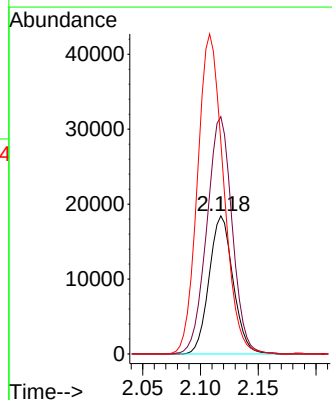
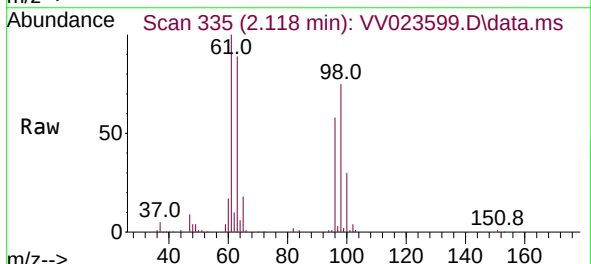
Instrument :
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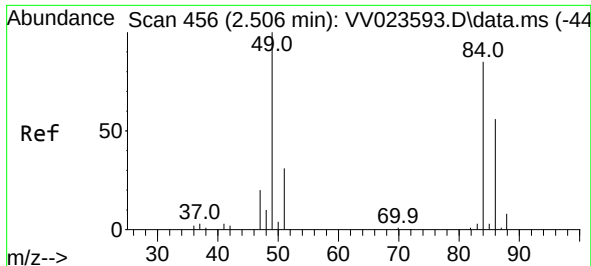
Tgt Ion:101 Resp: 849
 Ion Ratio Lower Upper
 101 100
 85 2.4 35.3 52.9#
 151 0.0 62.2 93.2#



#12
 1,1-Dichloroethene
 Concen: 3.763 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV023599.D
 Acq: 18 Nov 2021 13:12

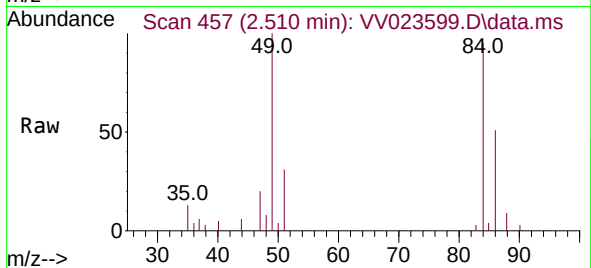
Tgt Ion: 96 Resp: 26604
 Ion Ratio Lower Upper
 96 100
 61 171.8 121.5 225.7
 63 153.5 99.6 185.0



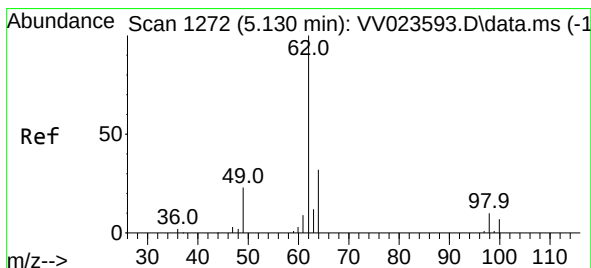
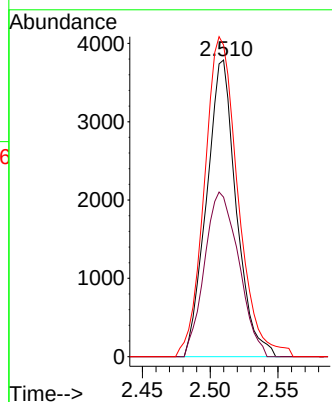
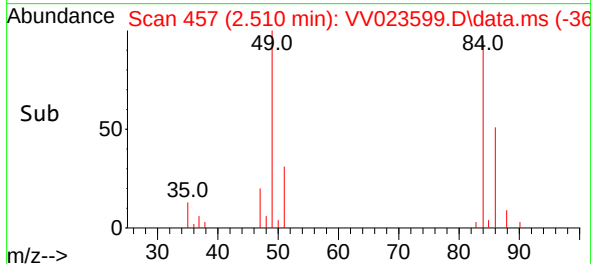


#16
Methylene chloride
Concen: 0.559 ug/L
RT: 2.510 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

Instrument :
MSVOA_V
ClientSampleId :

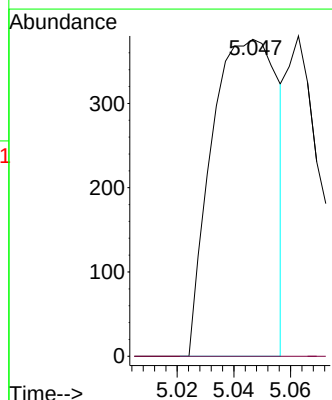
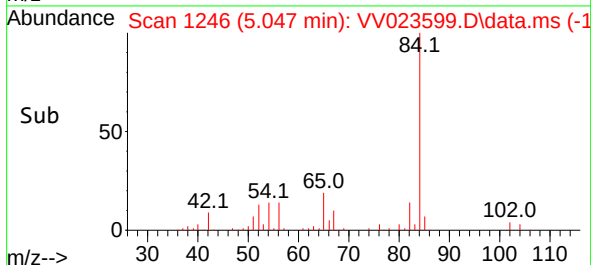
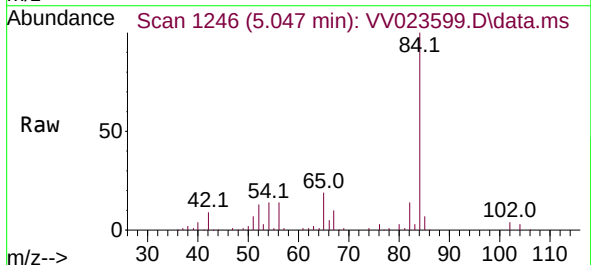


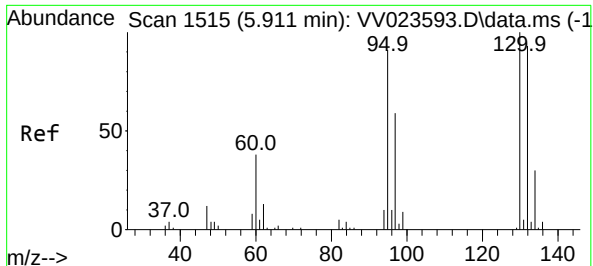
Tgt Ion: 84 Resp: 5763
Ion Ratio Lower Upper
84 100
86 53.8 42.3 78.5
49 105.1 79.7 148.1



#27
1,2-Dichloroethane
Concen: 0.073 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. -0.083 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

Tgt Ion: 62 Resp: 604
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#

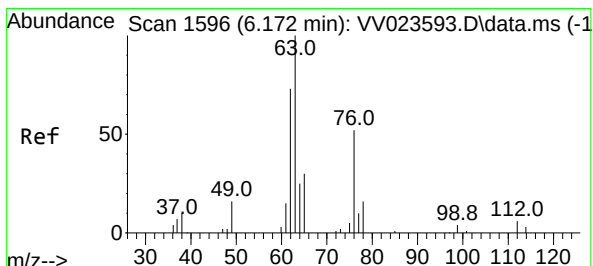
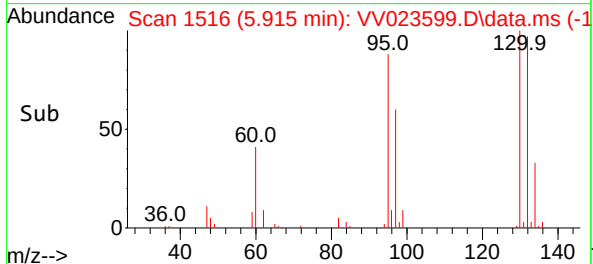
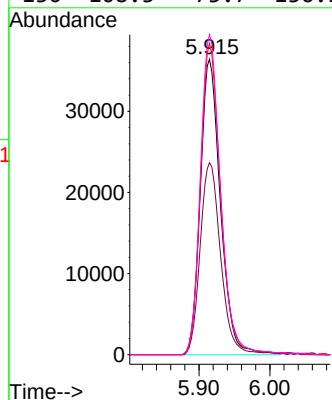
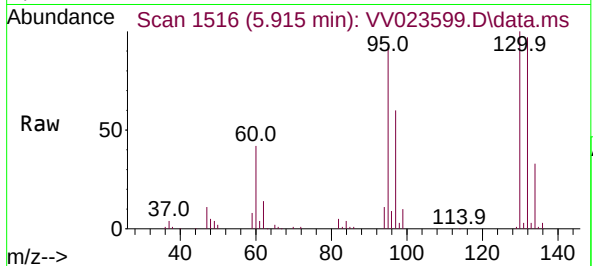




#34
Trichloroethene
Concen: 7.825 ug/L
RT: 5.915 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

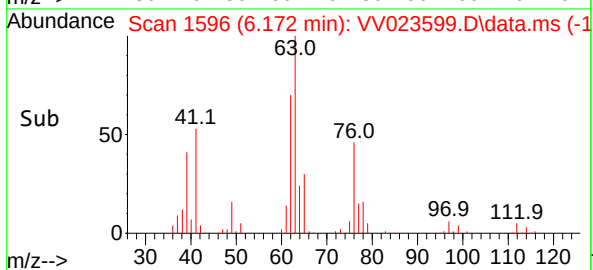
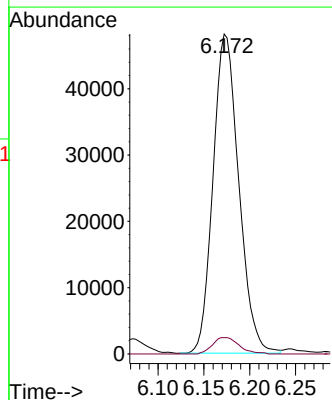
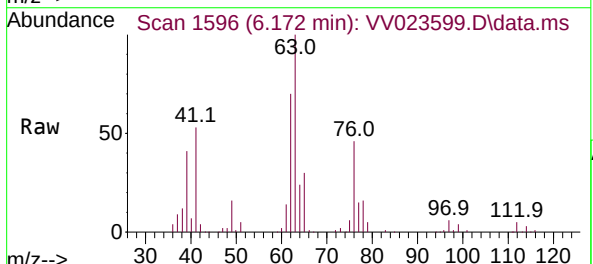
Instrument :
MSVOA_V
ClientSampleId :

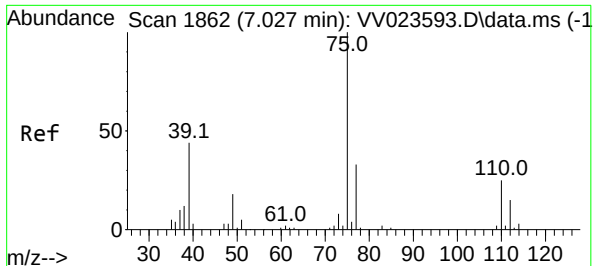
Tgt Ion: 95 Resp: 71841
Ion Ratio Lower Upper
95 100
97 65.0 45.0 83.6
132 105.4 69.7 129.4
130 108.3 73.7 136.9



#37
1,2-Dichloropropane
Concen: 11.651 ug/L
RT: 6.172 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

Tgt Ion: 63 Resp: 93903
Ion Ratio Lower Upper
63 100
112 5.3 4.6 6.8





#39

cis-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.032 min

Lab File: VV023599.D

Acq: 18 Nov 2021 13:12

Instrument :

MSVOA_V

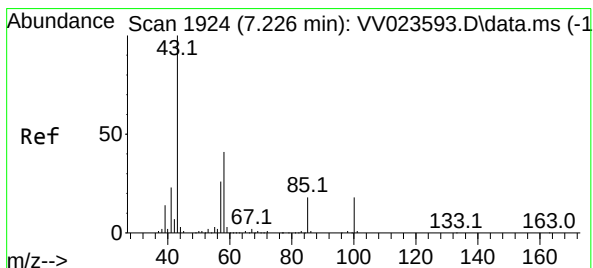
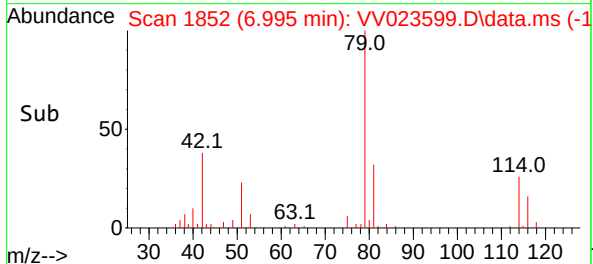
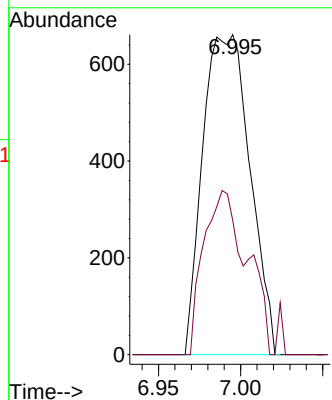
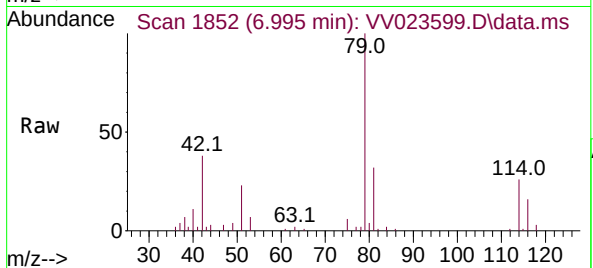
ClientSampleId :

Tgt Ion: 75 Resp: 1320

Ion Ratio Lower Upper

75 100

77 42.1 21.6 40.2#



#40

4-Methyl-2-pentanone

Concen: 10.891 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.003 min

Lab File: VV023599.D

Acq: 18 Nov 2021 13:12

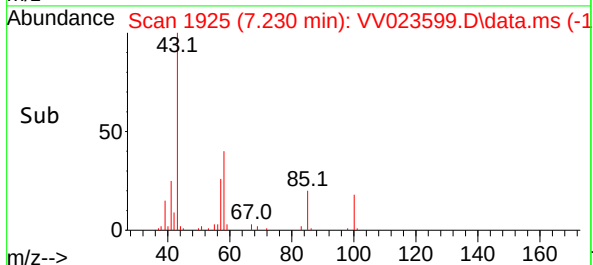
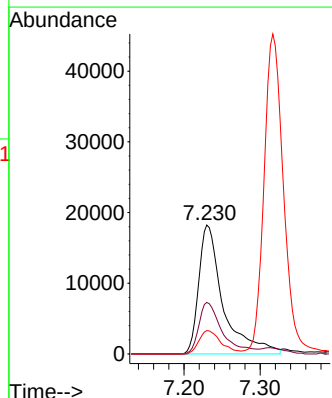
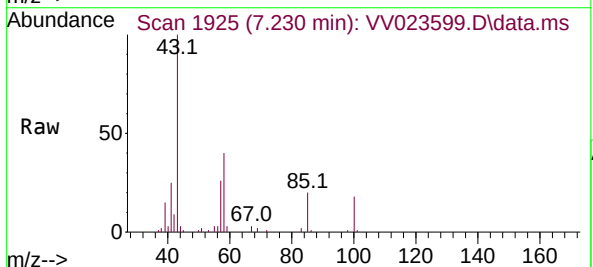
Tgt Ion: 43 Resp: 40711

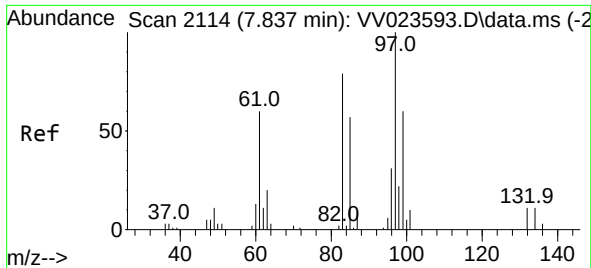
Ion Ratio Lower Upper

43 100

58 38.6 31.1 46.7

100 16.5 12.6 19.0

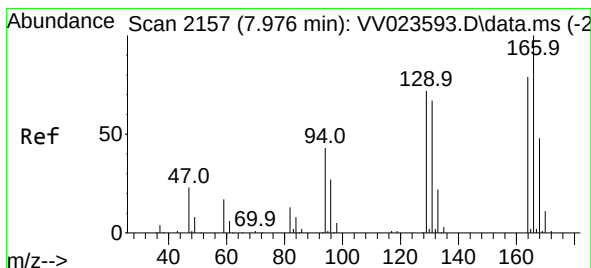
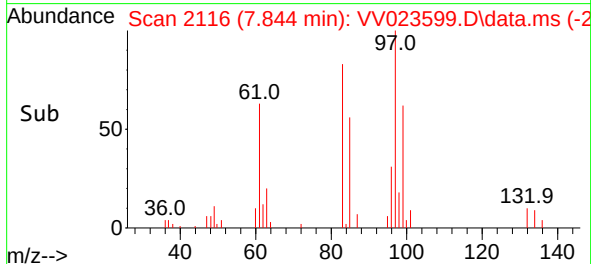
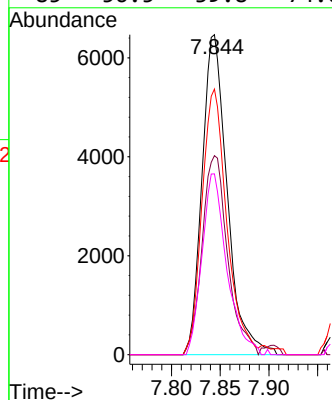
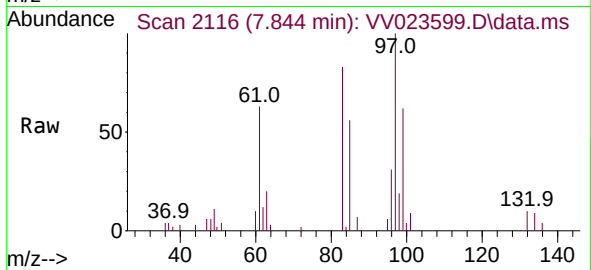




#45
1,1,2-Trichloroethane
Concen: 2.006 ug/L
RT: 7.844 min Scan# 2114
Delta R.T. 0.007 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

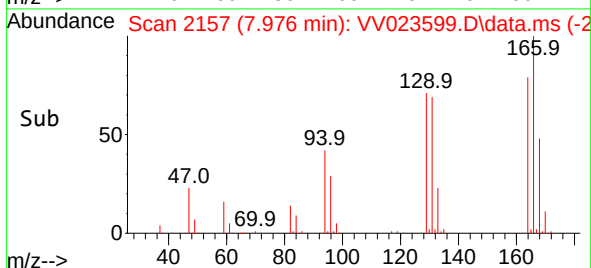
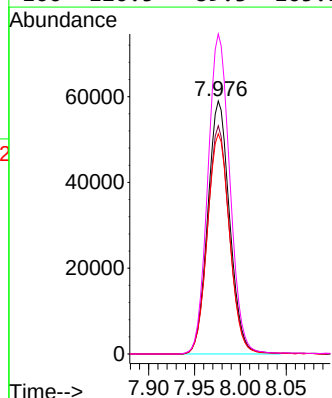
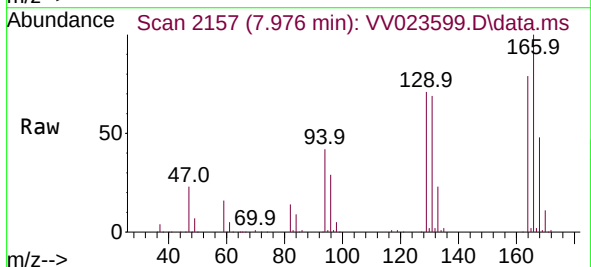
Instrument :
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ClientSampleId :

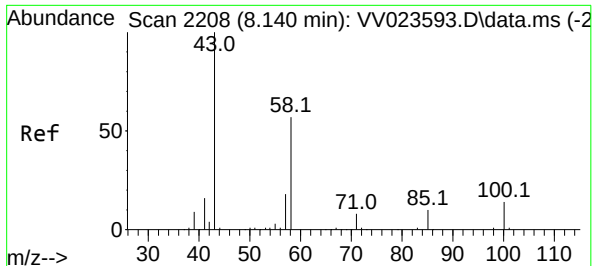
Tgt Ion:	97	Resp:	11617
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.6	81.0
83	83.0	58.4	108.4
85	56.5	39.8	74.0



#47
Tetrachloroethene
Concen: 12.324 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV023599.D
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Tgt Ion:	164	Resp:	98058
Ion	Ratio	Lower	Upper
164	100		
129	90.2	64.0	119.0
131	87.0	63.4	117.8
166	126.5	89.3	165.9

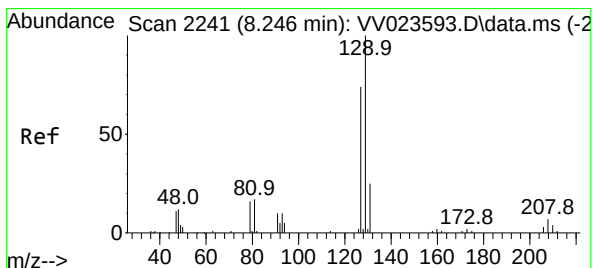
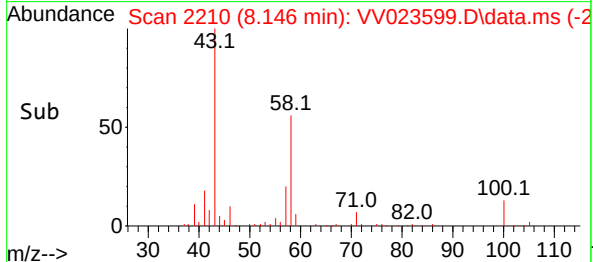
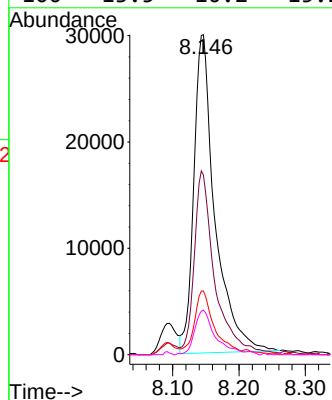
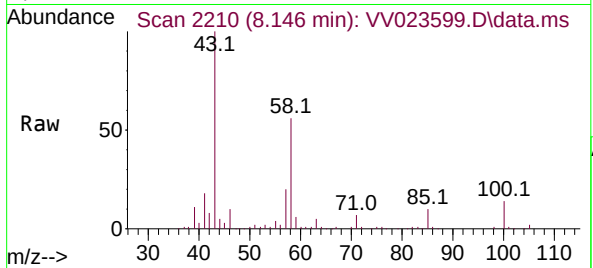




#48
2-Hexanone
Concen: 25.340 ug/L
RT: 8.146 min Scan# 2157
Delta R.T. 0.007 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

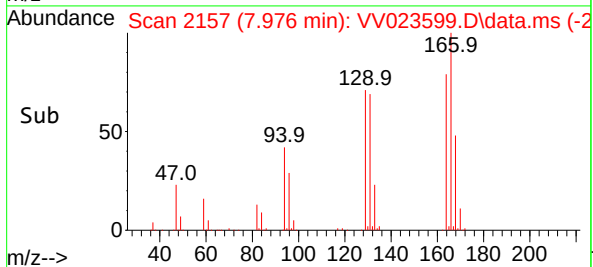
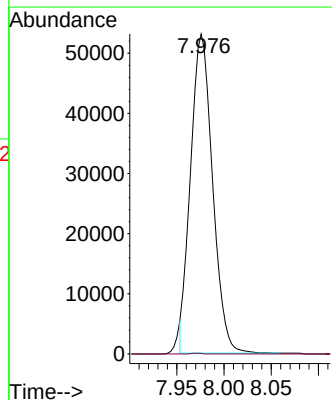
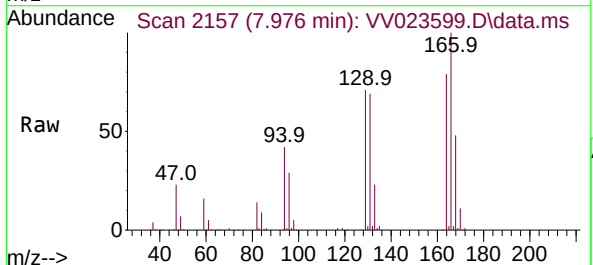
Instrument :
MSVOA_V
ClientSampleId :

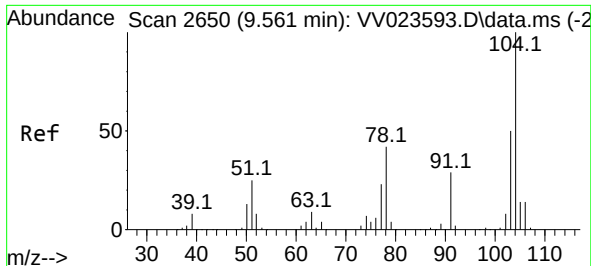
Tgt Ion: 43 Resp: 66372
Ion Ratio Lower Upper
43 100
58 54.9 43.7 65.5
57 18.6 14.1 21.1
100 13.5 10.2 15.2



#49
Dibromochloromethane
Concen: 11.683 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

Tgt Ion: 129 Resp: 85725
Ion Ratio Lower Upper
129 100
127 0.2 54.7 101.7#

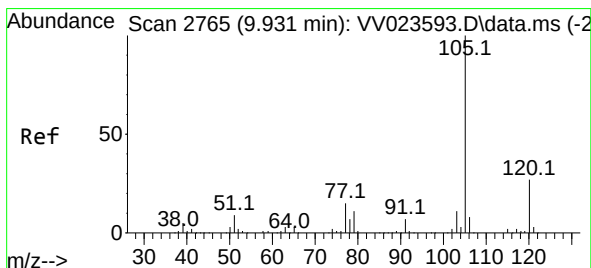
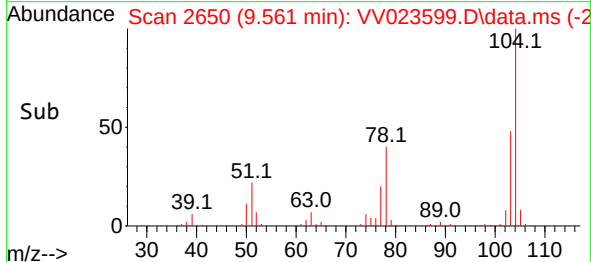
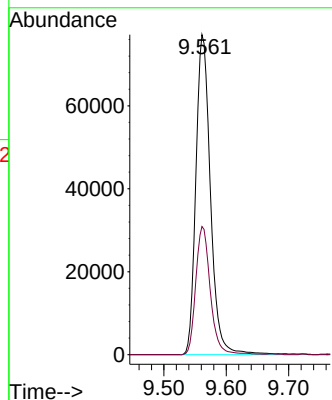
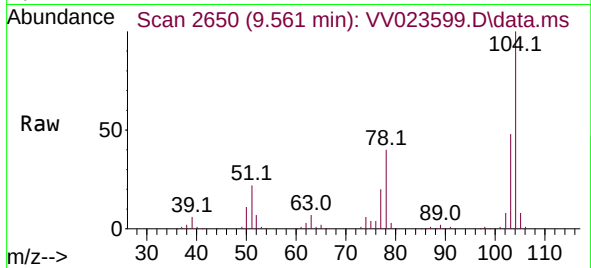




#55
Styrene
Concen: 5.092 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.000 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

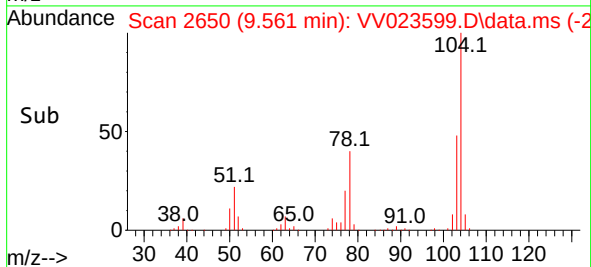
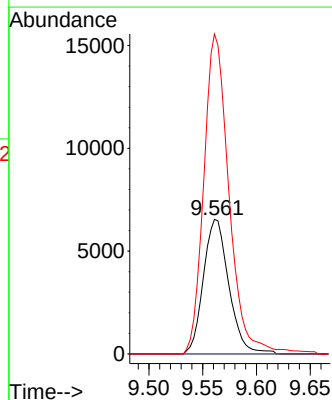
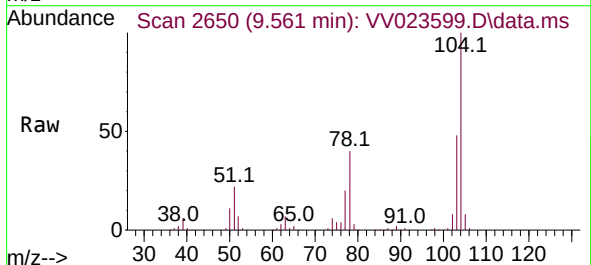
Instrument :
MSVOA_V
ClientSampleId :

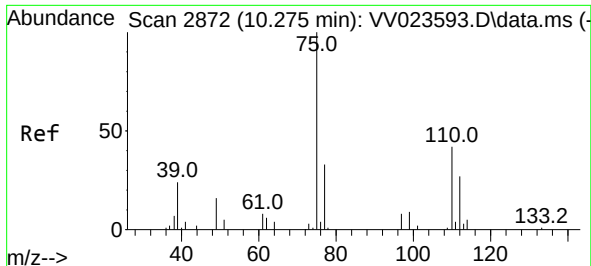
Tgt Ion:104 Resp: 125069
Ion Ratio Lower Upper
104 100
78 40.1 29.3 54.3



#60
Isopropylbenzene
Concen: 0.320 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. -0.370 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

Tgt Ion:105 Resp: 10784
Ion Ratio Lower Upper
105 100
120 0.0 21.7 32.5#
77 236.4 12.6 19.0#

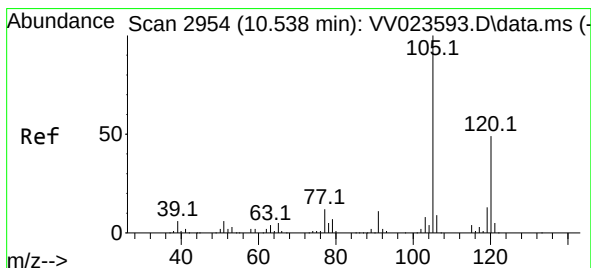
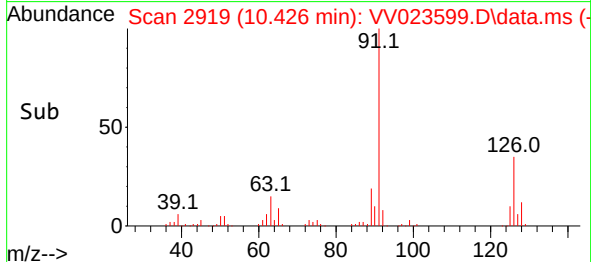
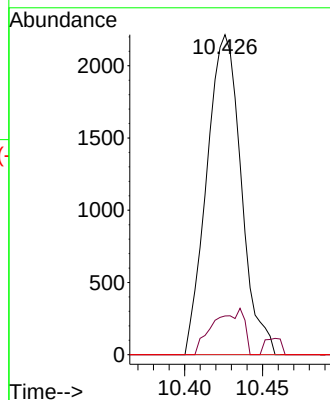
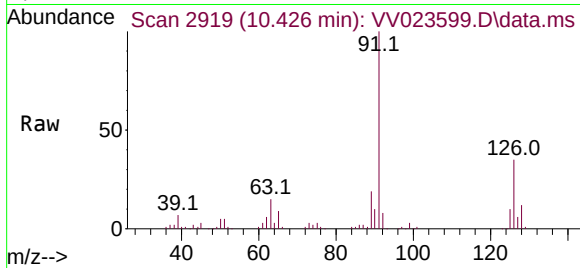




#61
 1,2,3-Trichloropropane
 Concen: 0.871 ug/L
 RT: 10.426 min Scan# 24
 Delta R.T. 0.151 min
 Lab File: VV023599.D
 Acq: 18 Nov 2021 13:12

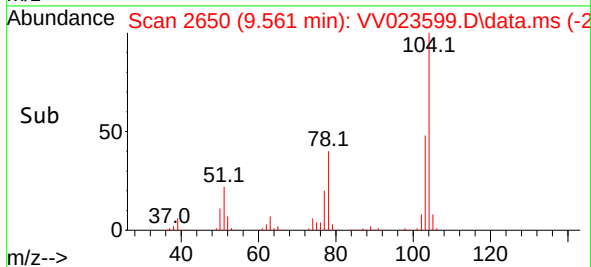
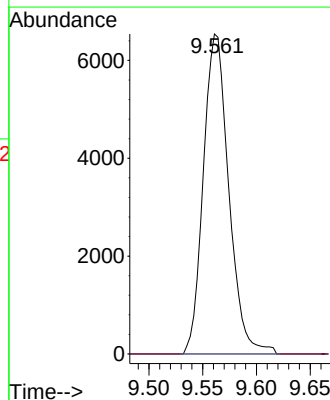
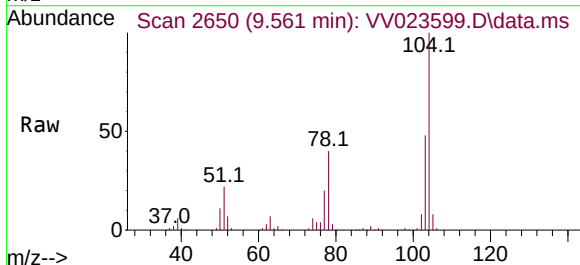
Instrument :
 MSVOA_V
 ClientSampleId :

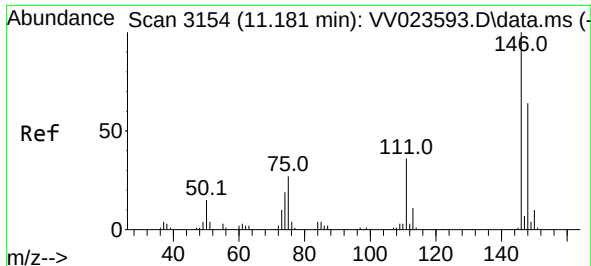
Tgt Ion: 75 Resp: 3400
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.6 39.8#
 110 0.0 31.8 47.6#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.385 ug/L
 RT: 9.561 min Scan# 2650
 Delta R.T. -0.977 min
 Lab File: VV023599.D
 Acq: 18 Nov 2021 13:12

Tgt Ion: 105 Resp: 10784
 Ion Ratio Lower Upper
 105 100
 120 0.0 39.7 59.5#

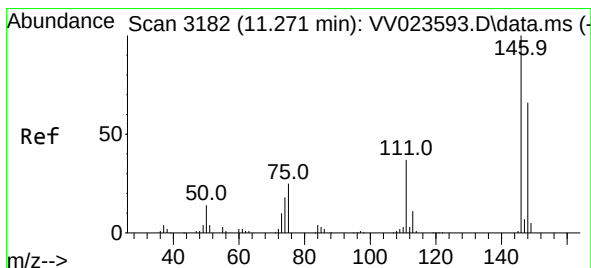
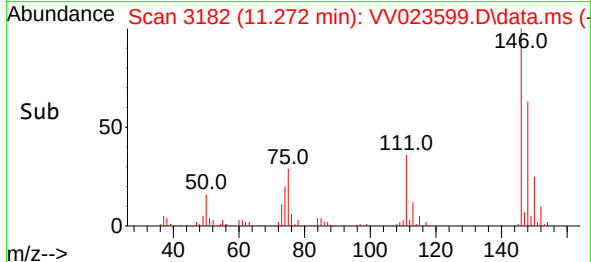
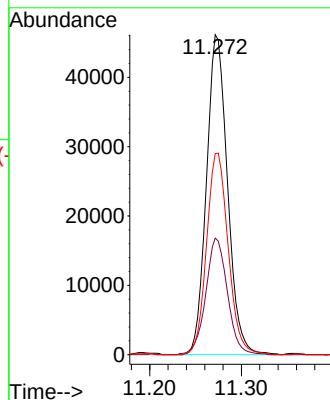
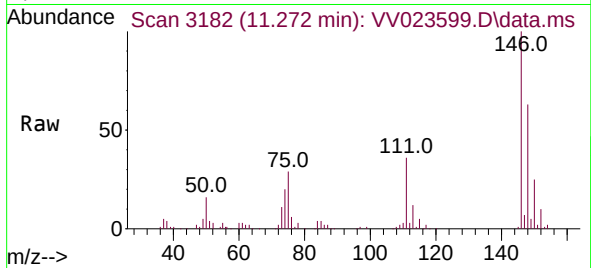




#64
1,3-Dichlorobenzene
Concen: 4.274 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.090 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

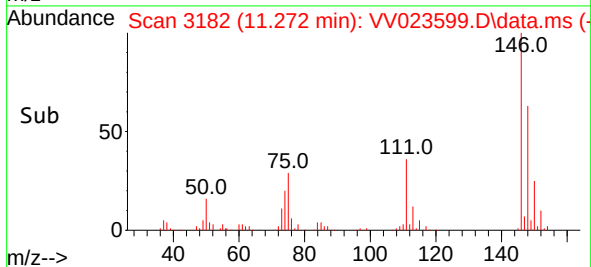
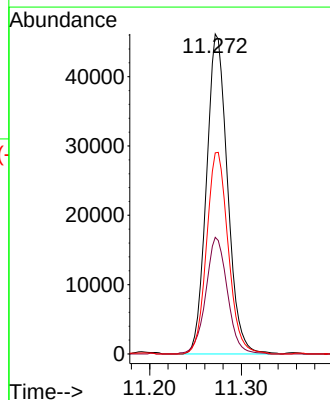
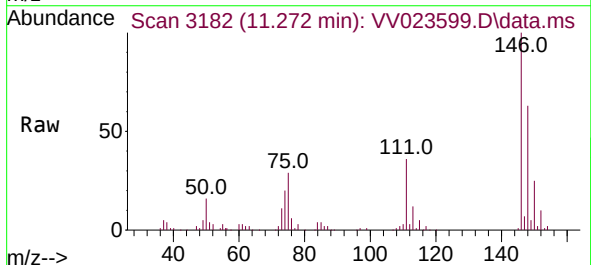
Instrument :
MSVOA_V
ClientSampleId :

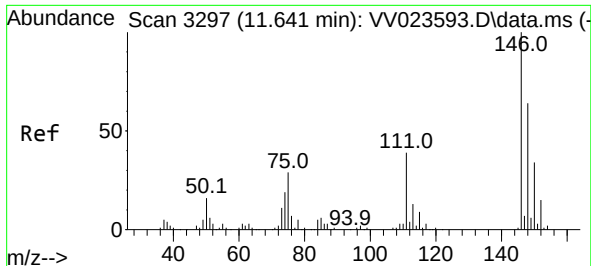
Tgt Ion:146 Resp: 73676
Ion Ratio Lower Upper
146 100
111 36.5 26.7 49.7
148 62.8 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 4.185 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV023599.D
Acq: 18 Nov 2021 13:12

Tgt Ion:146 Resp: 73676
Ion Ratio Lower Upper
146 100
111 36.5 26.2 48.8
148 62.8 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 11.466 ug/L

RT: 11.644 min Scan# 3297

Delta R.T. 0.003 min

Lab File: VV023599.D

Acq: 18 Nov 2021 13:12

Instrument :

MSVOA_V

ClientSampleId :

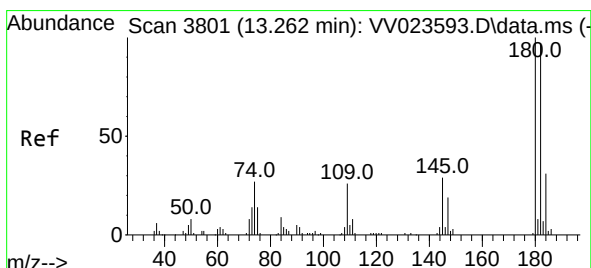
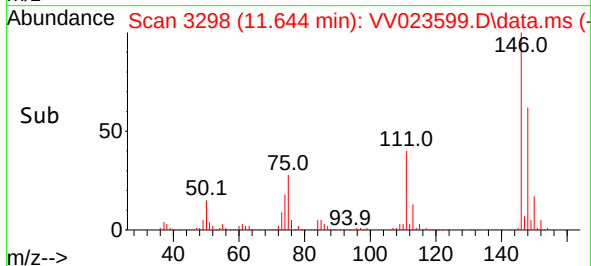
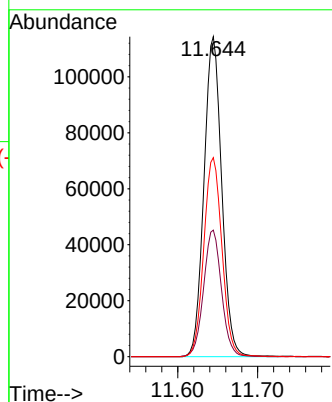
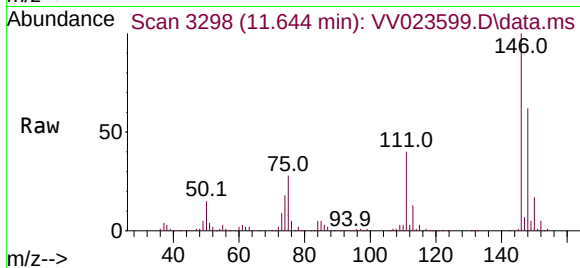
Tgt Ion:146 Resp: 176871

Ion Ratio Lower Upper

146 100

111 39.5 31.6 47.4

148 62.2 51.0 76.6



#70

1,2,4-trichlorobenzene

Concen: 8.102 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.000 min

Lab File: VV023599.D

Acq: 18 Nov 2021 13:12

Tgt Ion:180 Resp: 87572

Ion Ratio Lower Upper

180 100

182 97.6 76.9 115.3

145 29.9 24.4 36.6

