

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111821\
 Data File : VW023605.D
 Acq On : 18 Nov 2021 15:36
 Operator : SY/MD
 Sample : M4627-19DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 19 02:14:02 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	117686	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	115070	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	53670	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	39510	5.359	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.200%
7) Chloroethane-d5	1.568	69	31316	5.212	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.200%
11) 1,1-Dichloroethene-d2	2.108	63	52301	3.789	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.800%
20) 2-Butanone-d5	3.892	46	48469	38.160	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.320%
24) Chloroform-d	4.352	84	70944	4.515	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.034	65	33195	4.698	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.053	84	133868	4.534	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.069	67	39255	4.517	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.317	98	114885	4.152	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	7.625	79	13650	4.142	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.091	63	51347	42.347	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.700%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	27407	4.385	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	45070	5.043	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	34246	3.514	ug/L	93
8) Chloroethane	1.503	64	18427	3.277	ug/L #	52
12) 1,1-Dichloroethene	2.111	96	597	0.085	ug/L #	1
13) Acetone	2.179	43	1369	1.764	ug/L	99
16) Methylene chloride	2.510	84	8766	0.856	ug/L	99
17) Methyl tert-butyl Ether	2.770	73	35570	2.302	ug/L	97
18) trans-1,2-Dichloroethene	2.767	96	4485	0.520	ug/L	95
19) 1,1-Dichloroethane	3.195	63	3800	0.261	ug/L	94
22) cis-1,2-Dichloroethene	3.912	96	105110	12.660	ug/L #	92
27) 1,2-Dichloroethane	5.047	62	568	0.069	ug/L #	72
33) Benzene	5.108	78	5330	0.166	ug/L	100
34) Trichloroethene	5.921	95	3359	0.393	ug/L	93
35) Methylcyclohexane	6.072	83	10352	0.767	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	4570	0.609	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	1066	0.099	ug/L #	79
42) Toluene	7.400	91	2523	0.073	ug/L	97
48) 2-Hexanone	8.140	43	2378	0.975	ug/L #	47
60) Isopropylbenzene	10.451	105	3618	0.117	ug/L #	94
61) 1,2,3-Trichloropropane	11.246	75	6033	1.692	ug/L #	64

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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Nov 19 02:14:02 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

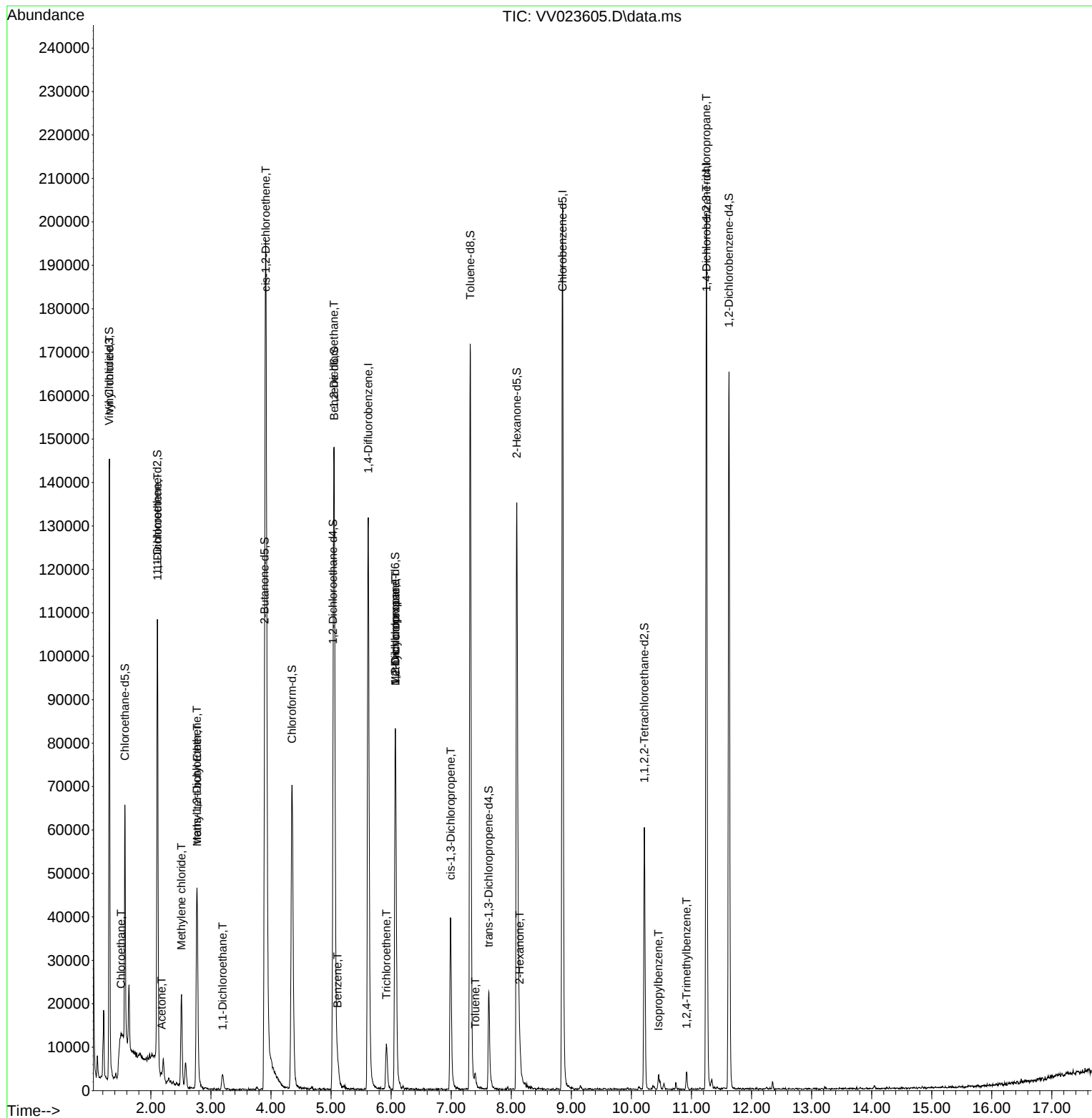
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.918	105	2356	0.093	ug/L	97

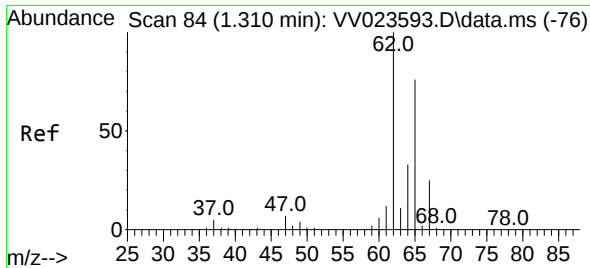
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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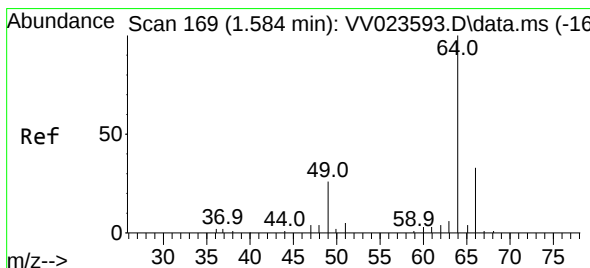
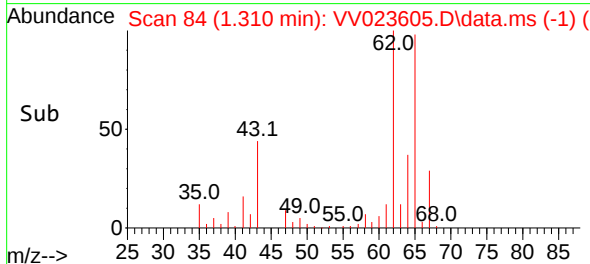
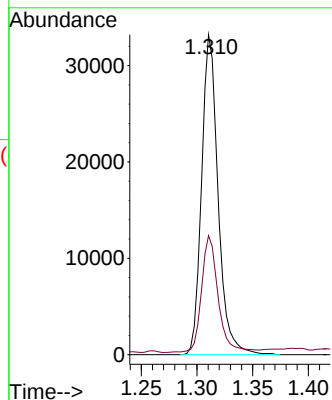
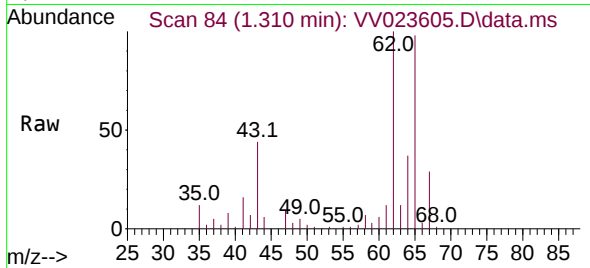




#5
 Vinyl chloride
 Concen: 3.514 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023605.D
 Acq: 18 Nov 2021 15:36

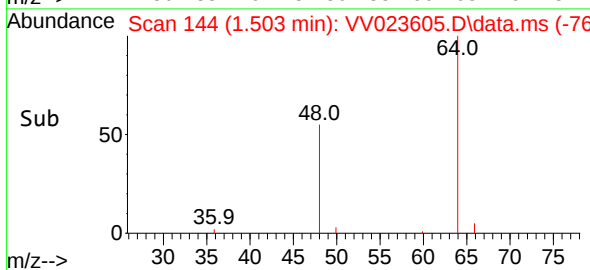
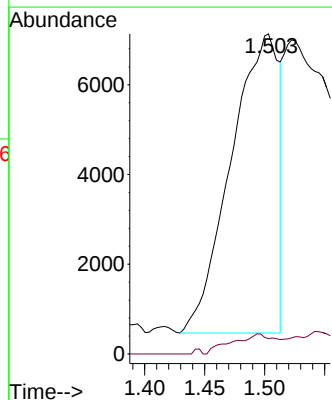
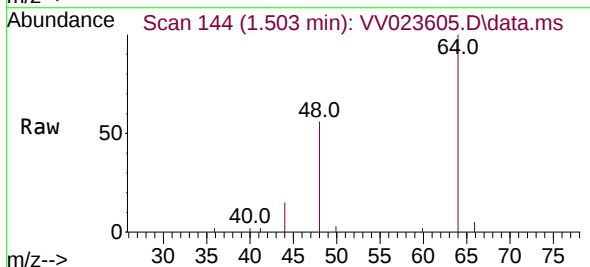
Instrument :
 MSVOA_V
 ClientSampleId :

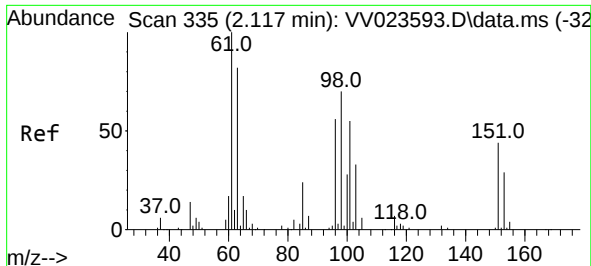
Tgt Ion: 62 Resp: 34246
 Ion Ratio Lower Upper
 62 100
 64 37.2 23.1 42.9



#8
 Chloroethane
 Concen: 3.277 ug/L
 RT: 1.503 min Scan# 144
 Delta R.T. -0.080 min
 Lab File: VV023605.D
 Acq: 18 Nov 2021 15:36

Tgt Ion: 64 Resp: 18427
 Ion Ratio Lower Upper
 64 100
 66 4.8 22.1 41.1#





#12

1,1-Dichloroethene

Concen: 0.085 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV023605.D

Acq: 18 Nov 2021 15:36

Instrument :

MSVOA_V

ClientSampleId :

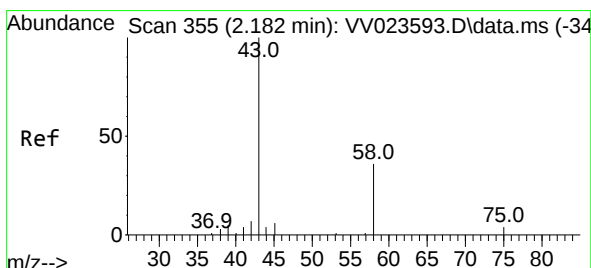
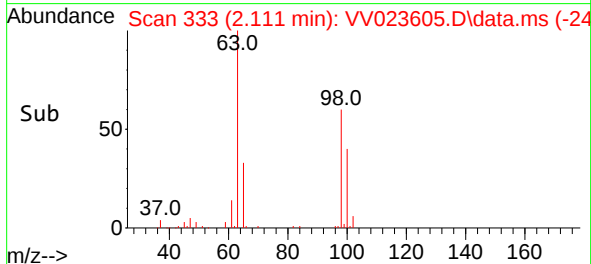
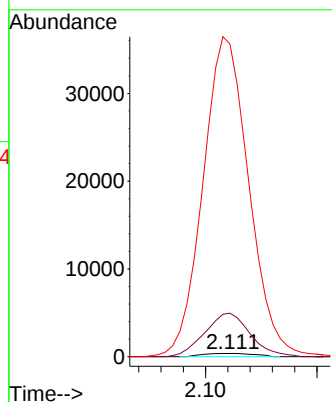
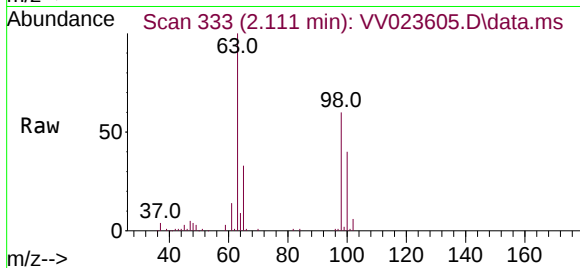
Tgt Ion: 96 Resp: 597

Ion Ratio Lower Upper

96 100

61 1324.3 121.5 225.7#

63 9499.7 99.6 185.0#



#13

Acetone

Concen: 1.764 ug/L

RT: 2.179 min Scan# 354

Delta R.T. -0.003 min

Lab File: VV023605.D

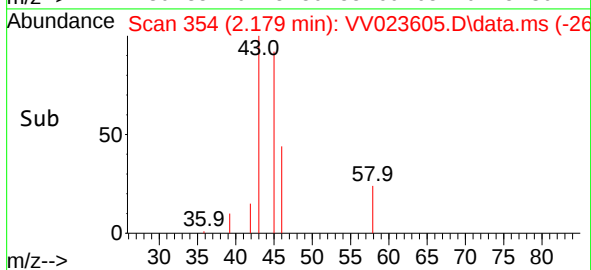
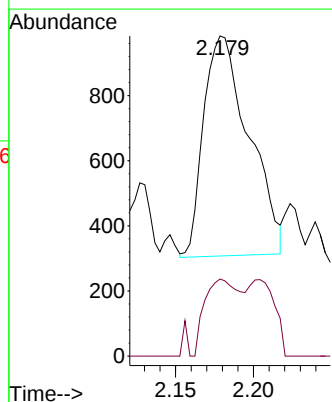
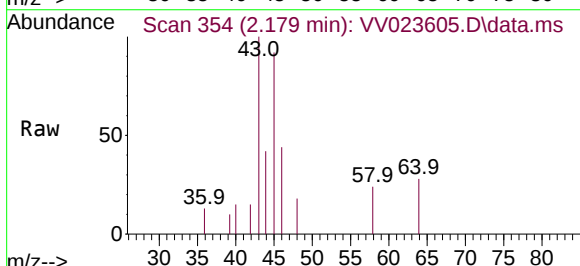
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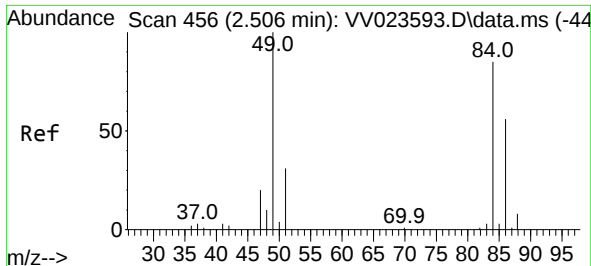
Tgt Ion: 43 Resp: 1369

Ion Ratio Lower Upper

43 100

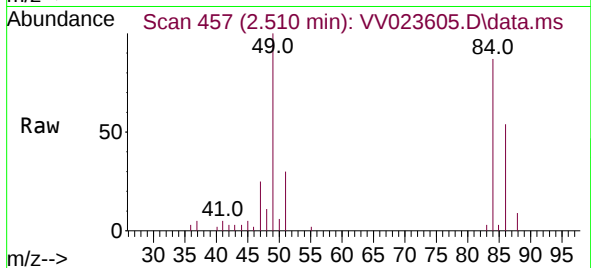
58 28.3 0.0 55.4





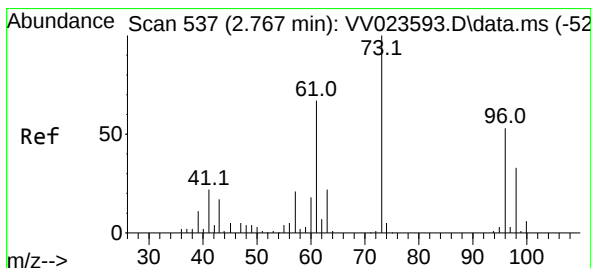
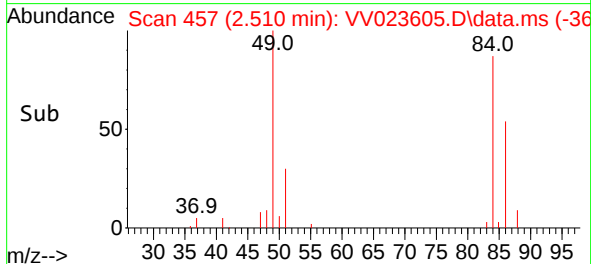
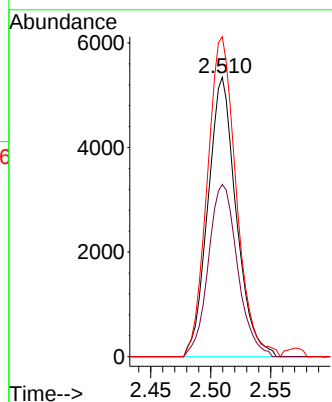
#16
Methylene chloride
Concen: 0.856 ug/L
RT: 2.510 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV023605.D
Acq: 18 Nov 2021 15:36

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 8766

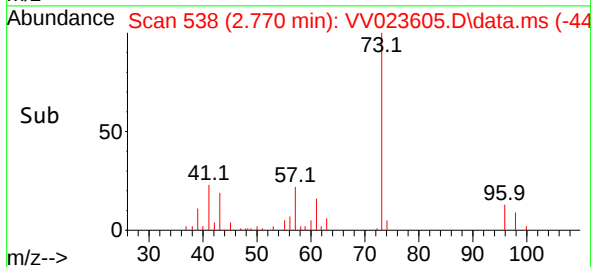
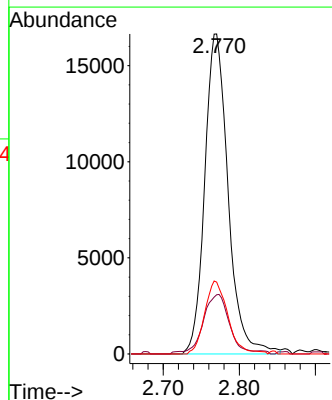
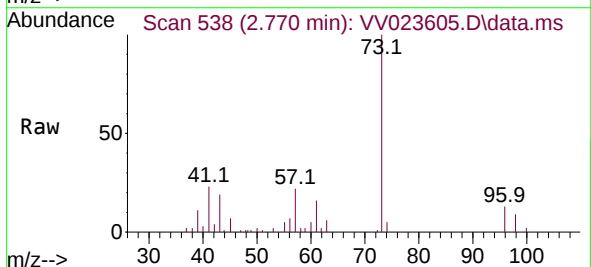
Ion	Ratio	Lower	Upper
84	100		
86	61.6	42.3	78.5
49	114.6	79.7	148.1

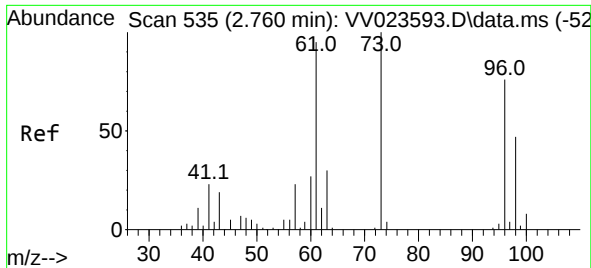


#17
Methyl tert-butyl Ether
Concen: 2.302 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV023605.D
Acq: 18 Nov 2021 15:36

Tgt Ion: 73 Resp: 35570

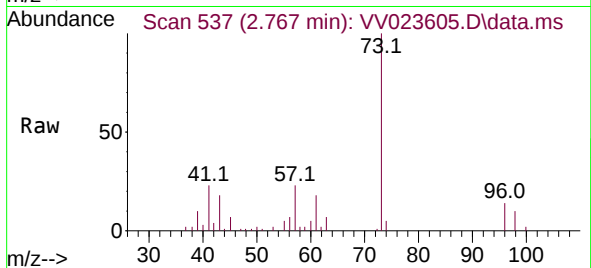
Ion	Ratio	Lower	Upper
73	100		
43	20.6	17.4	26.0
57	22.6	16.5	24.7





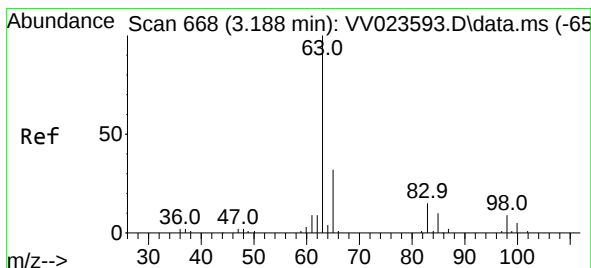
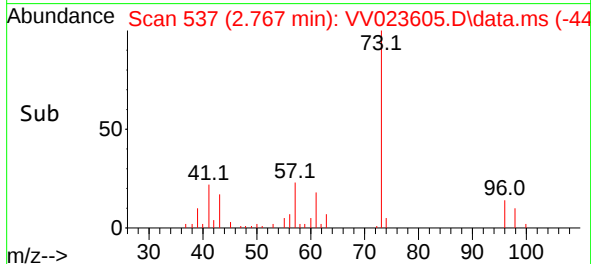
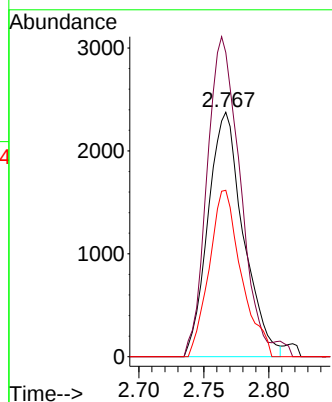
#18
trans-1,2-Dichloroethene
Concen: 0.520 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV023605.D
Acq: 18 Nov 2021 15:36

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 4485

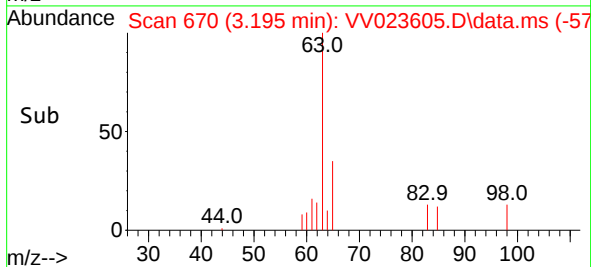
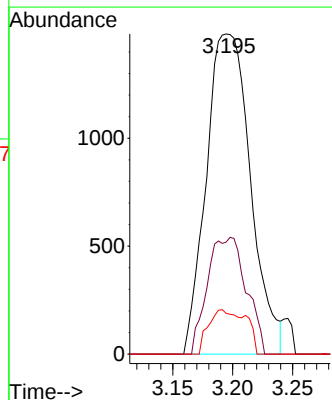
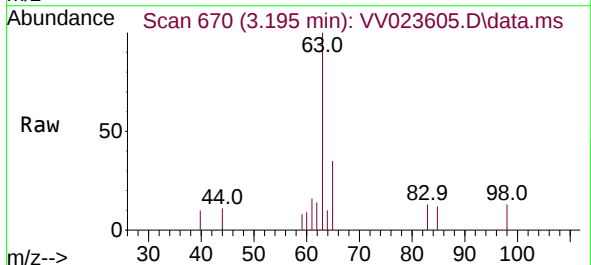
Ion	Ratio	Lower	Upper
96	100		
61	124.4	93.2	173.2
98	68.1	47.0	87.2

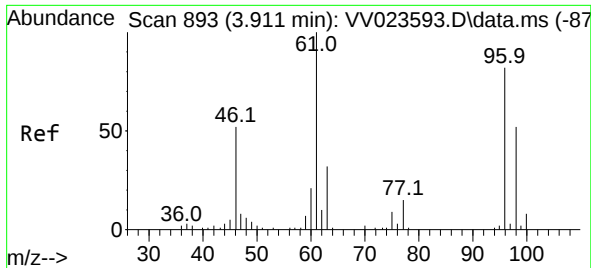


#19
1,1-Dichloroethane
Concen: 0.261 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.007 min
Lab File: VV023605.D
Acq: 18 Nov 2021 15:36

Tgt Ion: 63 Resp: 3800

Ion	Ratio	Lower	Upper
63	100		
65	35.0	22.6	42.0
83	12.7	11.1	20.7

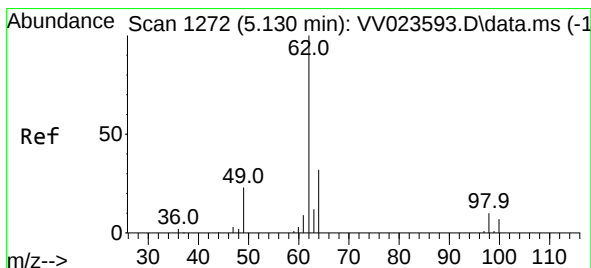
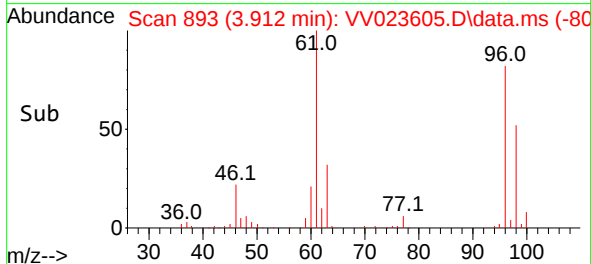
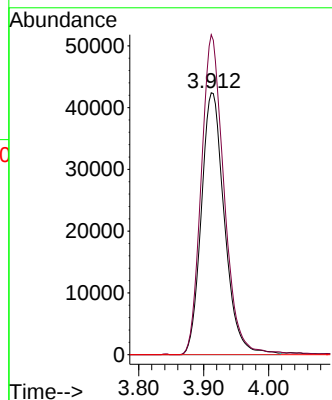
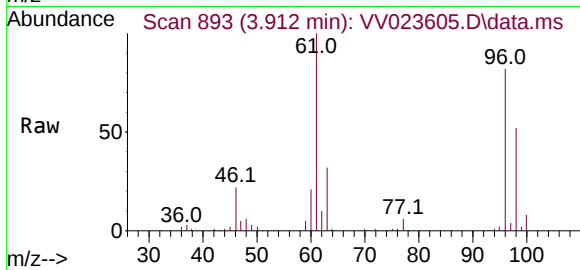




#22
 cis-1,2-Dichloroethene
 Concen: 12.660 ug/L
 RT: 3.912 min Scan# 893
 Delta R.T. 0.000 min
 Lab File: VV023605.D
 Acq: 18 Nov 2021 15:36

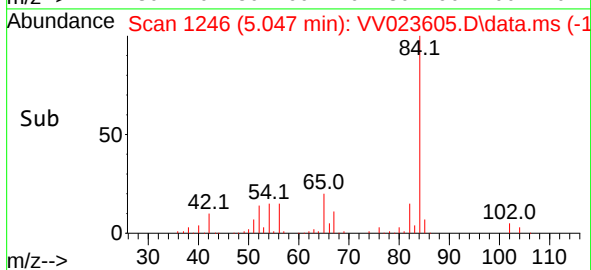
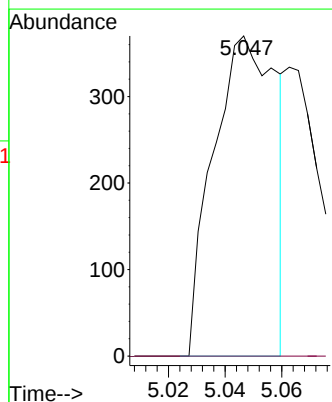
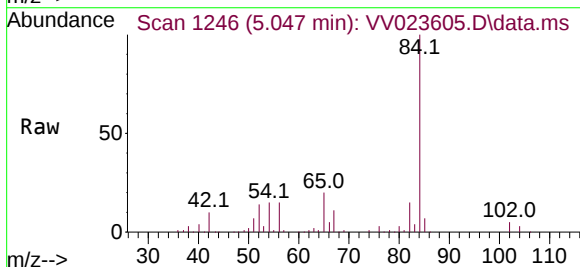
Instrument :
 MSVOA_V
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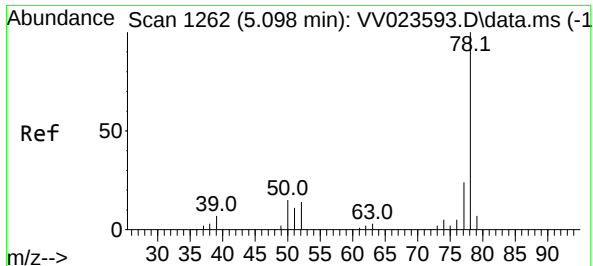
Tgt Ion: 96 Resp: 105110
 Ion Ratio Lower Upper
 96 100
 61 122.1 92.3 171.3
 68 0.0 0.4 0.8#



#27
 1,2-Dichloroethane
 Concen: 0.069 ug/L
 RT: 5.047 min Scan# 1246
 Delta R.T. -0.084 min
 Lab File: VV023605.D
 Acq: 18 Nov 2021 15:36

Tgt Ion: 62 Resp: 568
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#

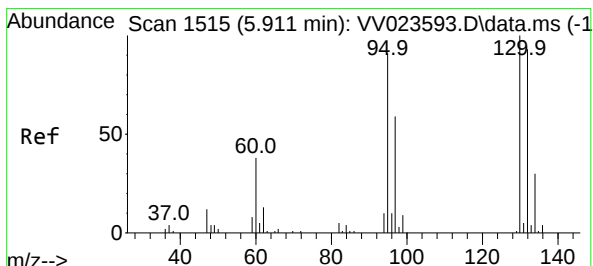
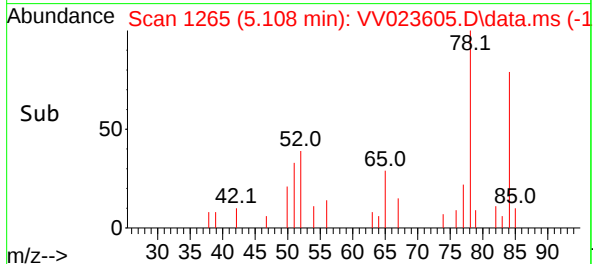
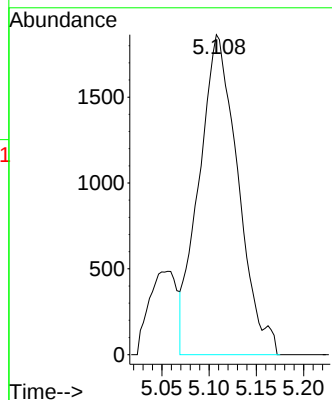
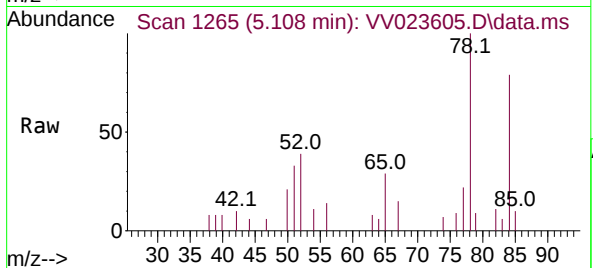




#33
Benzene
Concen: 0.166 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV023605.D
Acq: 18 Nov 2021 15:36

Instrument :
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ClientSampleId :

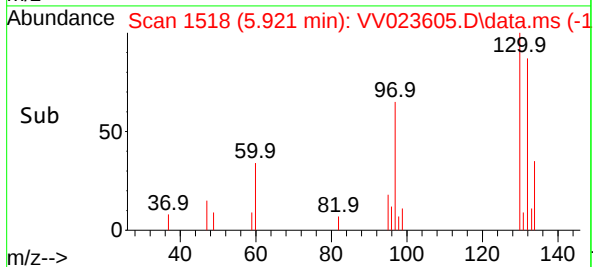
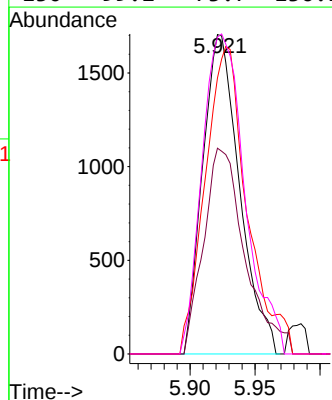
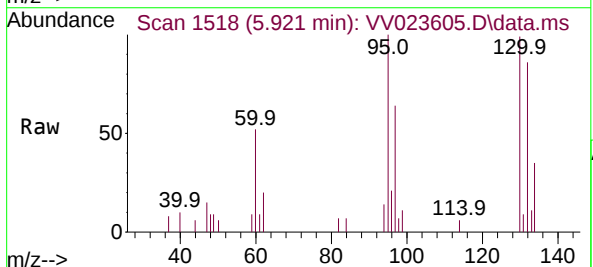
Tgt Ion: 78 Resp: 5330

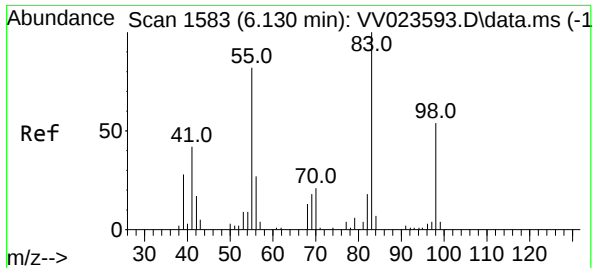


#34
Trichloroethene
Concen: 0.393 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.010 min
Lab File: VV023605.D
Acq: 18 Nov 2021 15:36

Tgt Ion: 95 Resp: 3359

Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.0	83.6
132	86.4	69.7	129.4
130	99.2	73.7	136.9

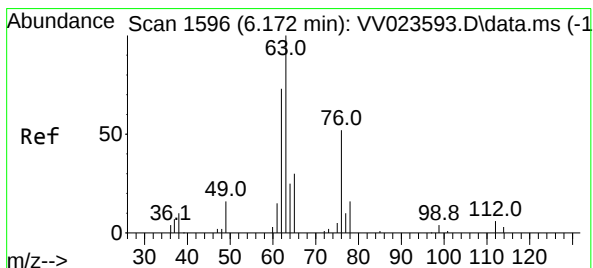
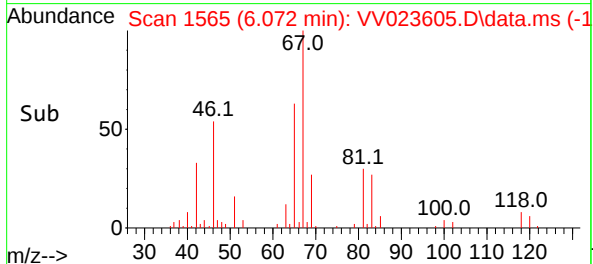
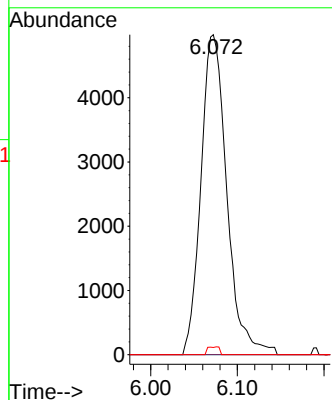
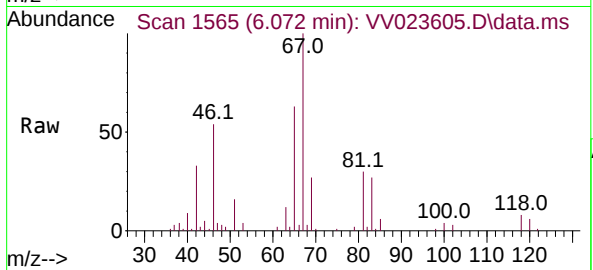




#35
Methylcyclohexane
Concen: 0.767 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV023605.D
Acq: 18 Nov 2021 15:36

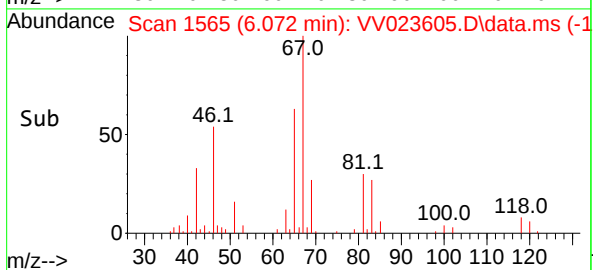
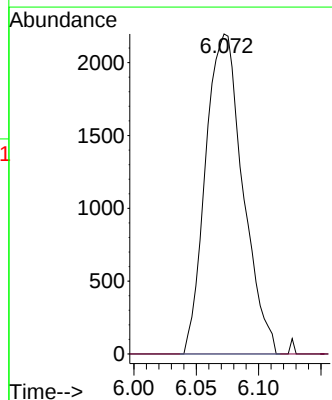
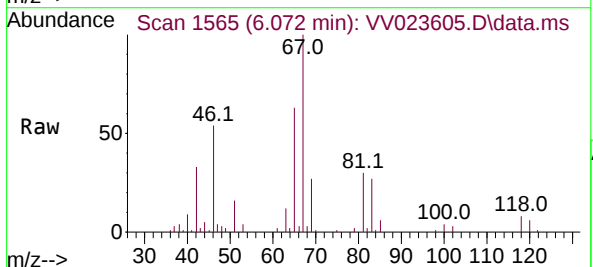
Instrument :
MSVOA_V
ClientSampleId :

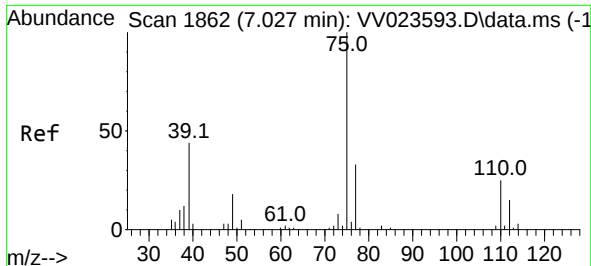
Tgt Ion: 83 Resp: 10352
Ion Ratio Lower Upper
83 100
55 0.0 62.8 94.2#
98 1.1 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.609 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.100 min
Lab File: VV023605.D
Acq: 18 Nov 2021 15:36

Tgt Ion: 63 Resp: 4570
Ion Ratio Lower Upper
63 100
112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV023605.D

Acq: 18 Nov 2021 15:36

Instrument :

MSVOA_V

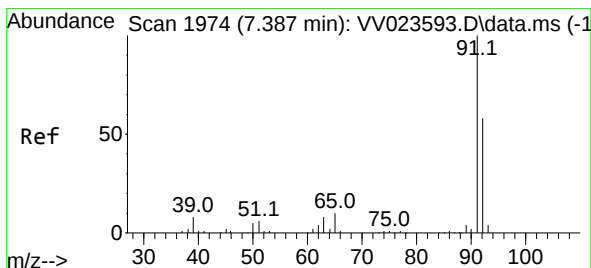
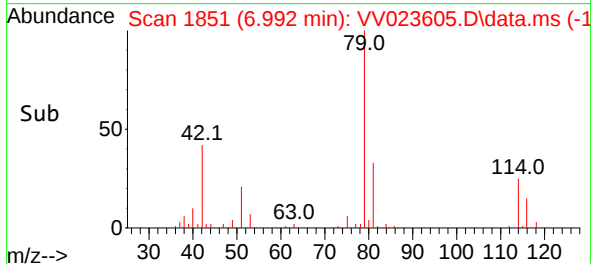
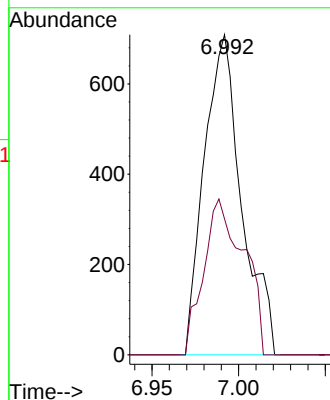
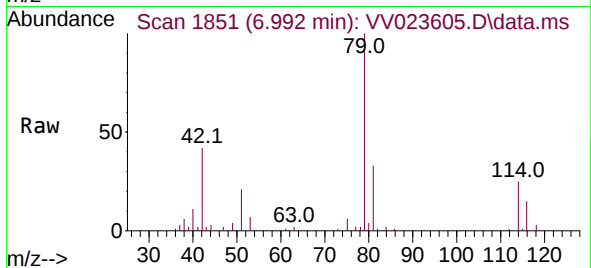
ClientSampleId :

Tgt Ion: 75 Resp: 1066

Ion Ratio Lower Upper

75 100

77 42.5 21.6 40.2#



#42

Toluene

Concen: 0.073 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.013 min

Lab File: VV023605.D

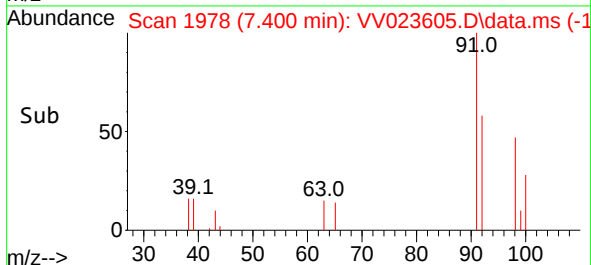
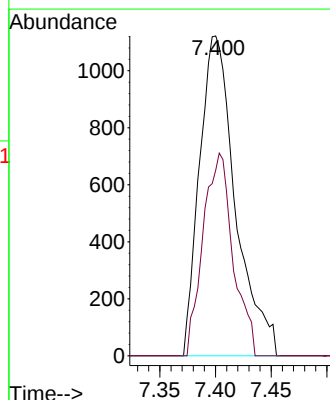
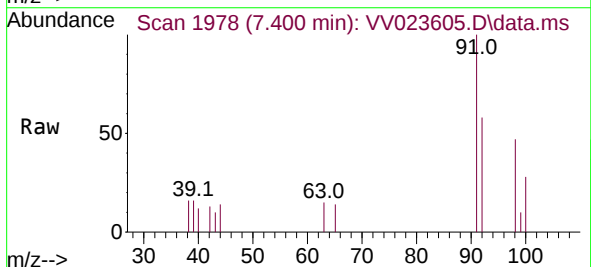
Acq: 18 Nov 2021 15:36

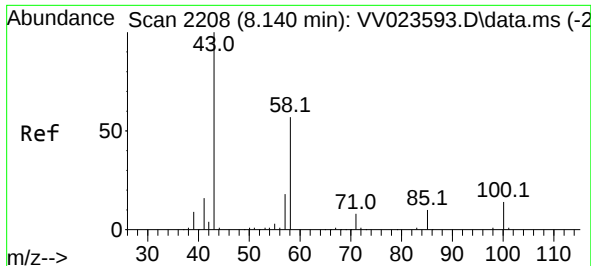
Tgt Ion: 91 Resp: 2523

Ion Ratio Lower Upper

91 100

92 58.0 39.3 72.9

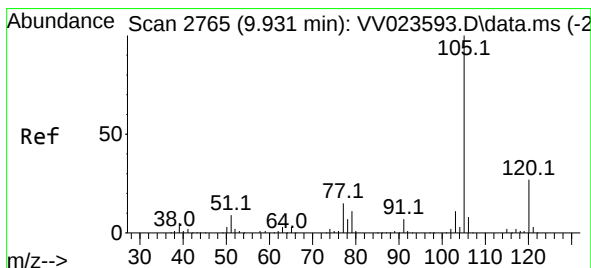
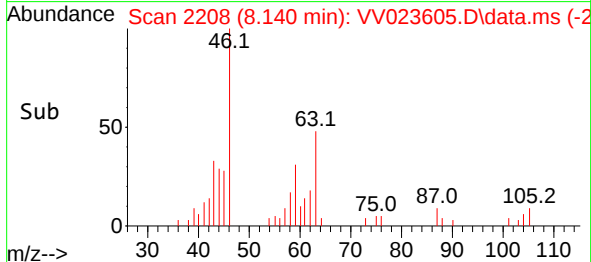
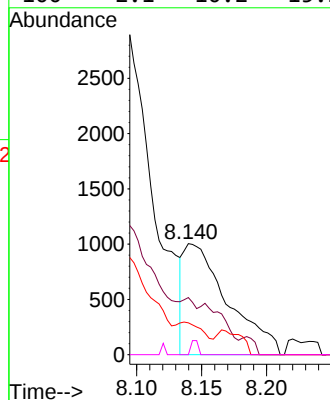
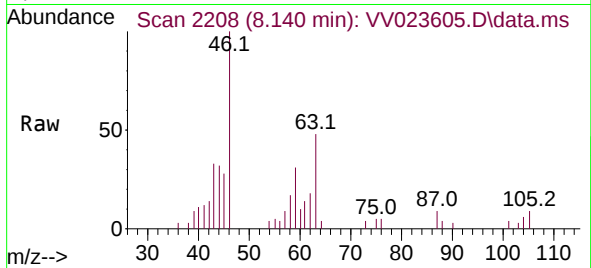




#48
2-Hexanone
Concen: 0.975 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023605.D
Acq: 18 Nov 2021 15:36

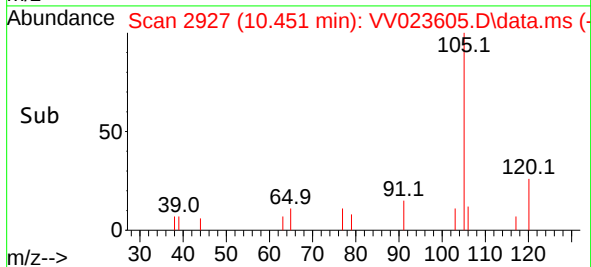
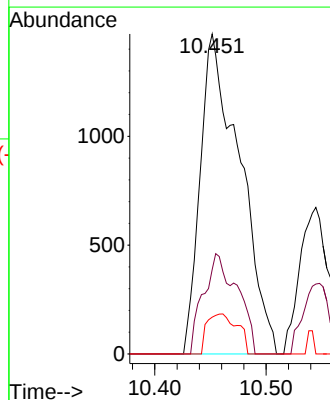
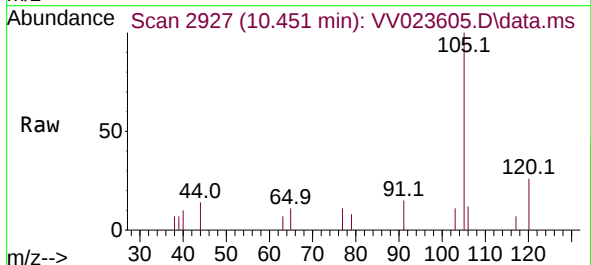
Instrument :
MSVOA_V
ClientSampleId :

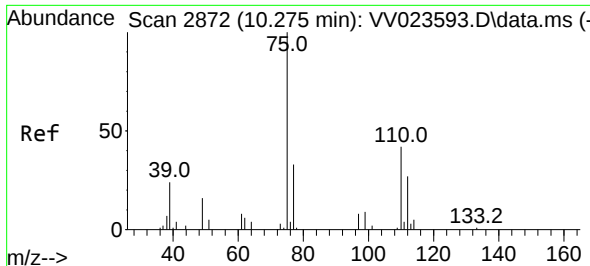
Tgt Ion:	43	Resp:	2378
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.7	65.5#
57	17.1	14.1	21.1
100	2.1	10.2	15.2#



#60
Isopropylbenzene
Concen: 0.117 ug/L
RT: 10.451 min Scan# 2927
Delta R.T. 0.521 min
Lab File: VV023605.D
Acq: 18 Nov 2021 15:36

Tgt Ion:	105	Resp:	3618
Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.7	32.5
77	9.7	12.6	19.0#





#61

1,2,3-Trichloropropane

Concen: 1.692 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.971 min

Lab File: VV023605.D

Acq: 18 Nov 2021 15:36

Instrument :

MSVOA_V

ClientSampleId :

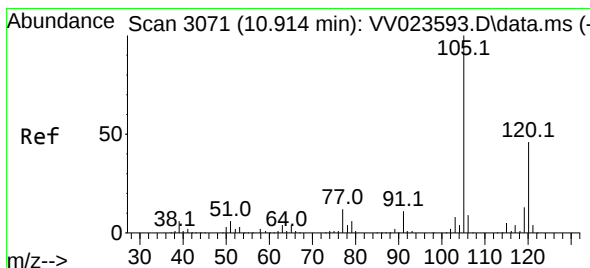
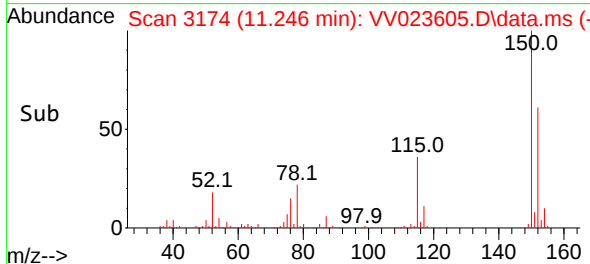
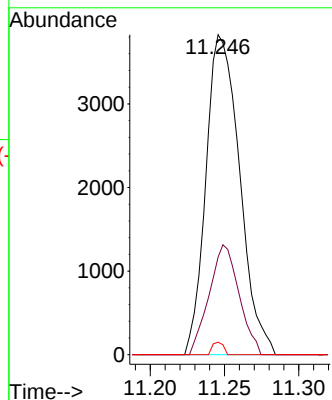
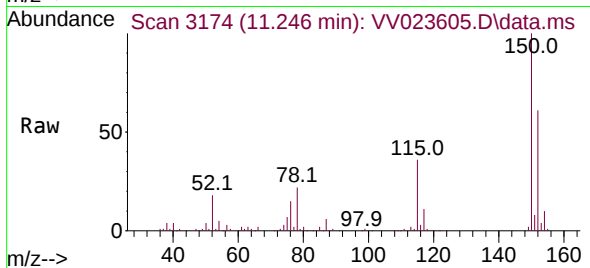
Tgt Ion: 75 Resp: 6033

Ion Ratio Lower Upper

75 100

77 30.5 26.6 39.8

110 1.3 31.8 47.6#



#63

1,2,4-Trimethylbenzene

Concen: 0.093 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.003 min

Lab File: VV023605.D

Acq: 18 Nov 2021 15:36

Tgt Ion: 105 Resp: 2356

Ion Ratio Lower Upper

105 100

120 45.0 37.4 56.2

