

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111821\
 Data File : VW023595.D
 Acq On : 18 Nov 2021 11:34
 Operator : SY/MD
 Sample : M4627-19
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 19 02:11:55 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	5.622	114	120025	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	109758	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	52132	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	38399	5.107	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.200%
7) Chloroethane-d5	1.565	69	28595	4.666	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.400%
11) 1,1-Dichloroethene-d2	2.102	63	51574	3.664	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.200%
20) 2-Butanone-d5	3.979	46	61521	47.492	ug/L	0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.980%
24) Chloroform-d	4.349	84	66827	4.170	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
26) 1,2-Dichloroethane-d4	5.040	65	35639	4.946	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.047	84	151490	5.379	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.600%
36) 1,2-Dichloropropane-d6	6.082	67	40685	4.908	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.320	98	118822	4.503	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	7.629	79	13263	4.219	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.108	63	40808	35.284	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.560%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	23951	4.017	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	43588	5.021	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	154188	15.515	ug/L	99
8) Chloroethane	1.584	64	2371	0.413	ug/L	91
12) 1,1-Dichloroethene	2.108	96	1199	0.168	ug/L #	1
13) Acetone	2.259	43	3965	5.009	ug/L	64
14) Carbon disulfide	2.285	76	4622	0.171	ug/L #	91
17) Methyl tert-butyl Ether	2.780	73	176403	11.196	ug/L	99
18) trans-1,2-Dichloroethene	2.751	96	18963	2.155	ug/L	97
19) 1,1-Dichloroethane	3.182	63	16502	1.111	ug/L	99
21) 2-Butanone	4.053	43	1470	1.149	ug/L	83
22) cis-1,2-Dichloroethene	3.905	96	475676	56.175	ug/L #	95
30) Cyclohexane	4.654	56	1746	0.146	ug/L #	24
33) Benzene	5.098	78	27051	0.882	ug/L	100
34) Trichloroethene	5.918	95	18786	2.303	ug/L	99
35) Methylcyclohexane	6.082	83	10827	0.841	ug/L #	18
37) 1,2-Dichloropropane	6.079	63	4824	0.674	ug/L #	83
39) cis-1,3-Dichloropropene	6.995	75	1248	0.121	ug/L #	54
42) Toluene	7.397	91	6257	0.191	ug/L	95
48) 2-Hexanone	8.162	43	3695	1.588	ug/L #	94
52) Ethylbenzene	9.021	91	2231	0.064	ug/L	88

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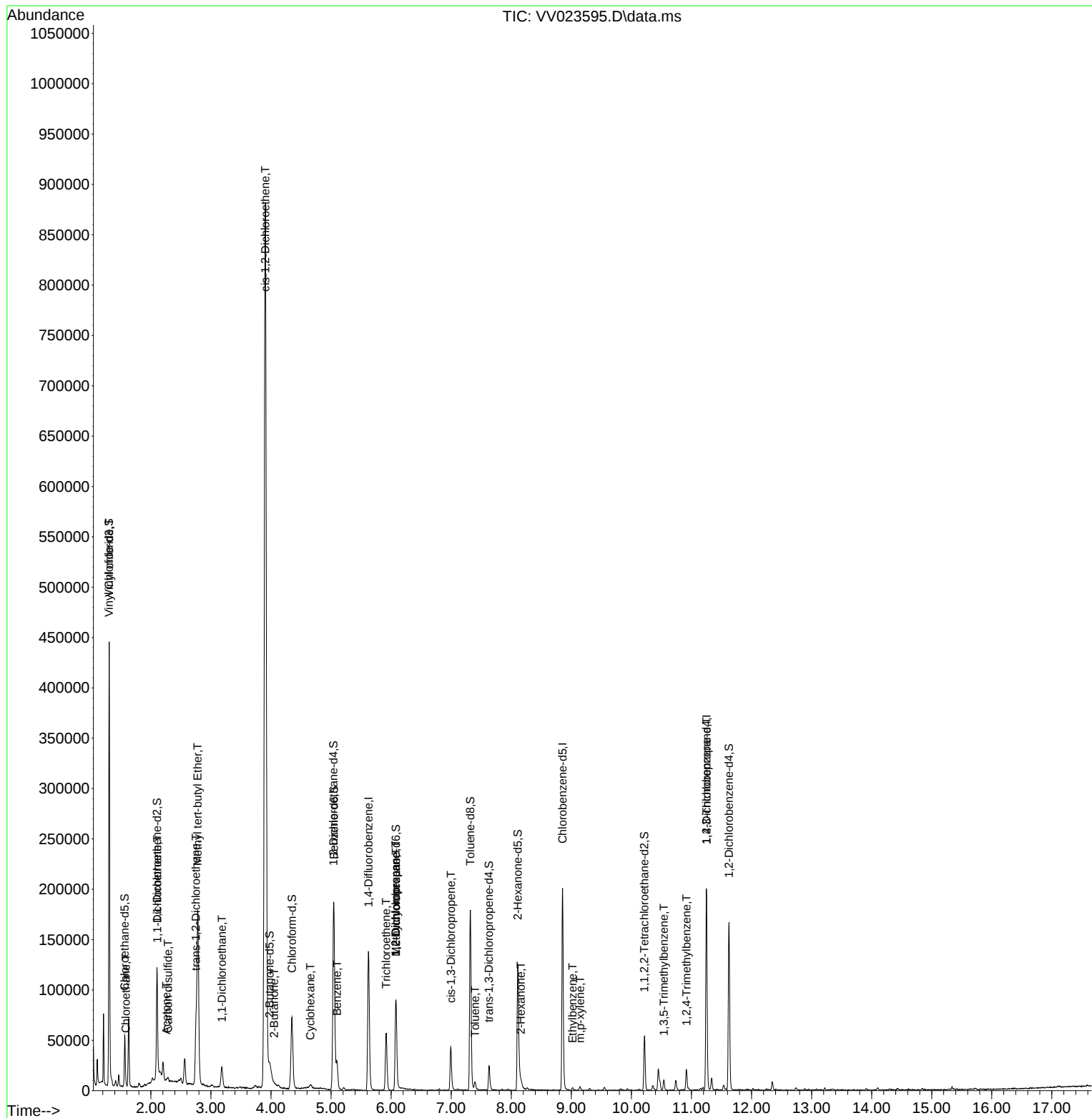
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.146	106	1152	0.085	ug/L	77
61) 1,2,3-Trichloropropane	11.249	75	5655	1.633	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.542	105	5518	0.222	ug/L	97
63) 1,2,4-Trimethylbenzene	10.918	105	11006	0.446	ug/L	100

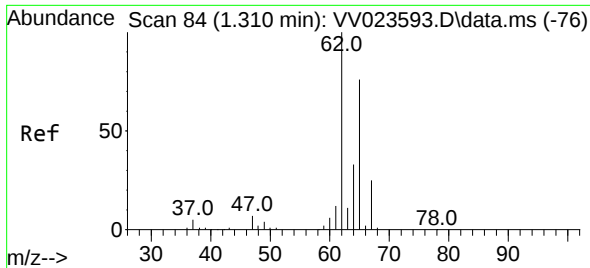
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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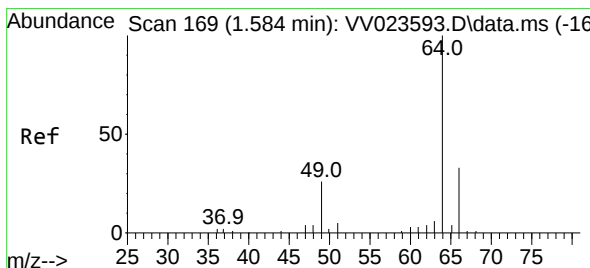
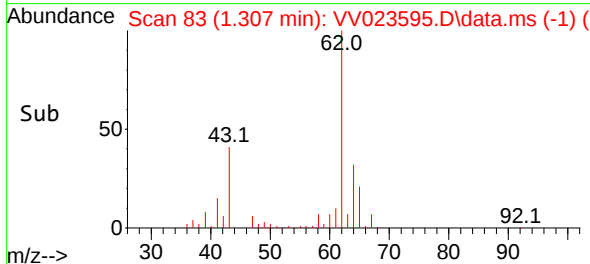
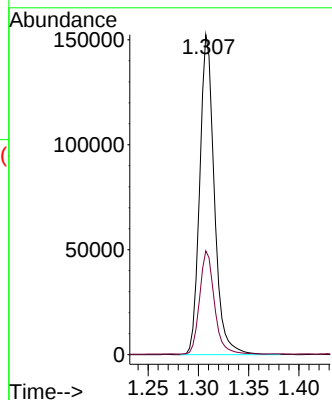
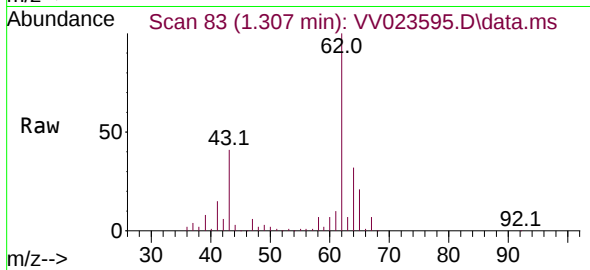




#5
 Vinyl chloride
 Concen: 15.515 ug/L
 RT: 1.307 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV023595.D
 Acq: 18 Nov 2021 11:34

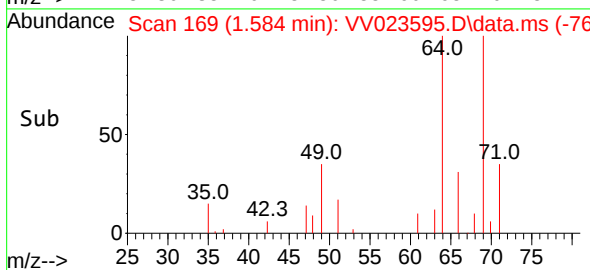
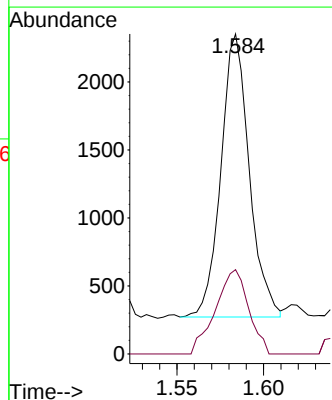
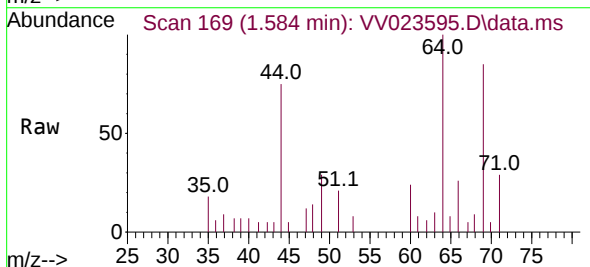
Instrument :
 MSVOA_V
 ClientSampleId :

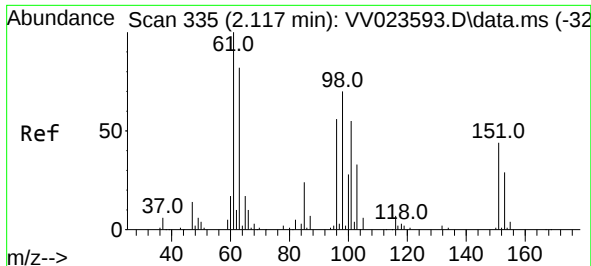
Tgt Ion: 62 Resp: 154188
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.1 42.9



#8
 Chloroethane
 Concen: 0.413 ug/L
 RT: 1.584 min Scan# 169
 Delta R.T. 0.000 min
 Lab File: VV023595.D
 Acq: 18 Nov 2021 11:34

Tgt Ion: 64 Resp: 2371
 Ion Ratio Lower Upper
 64 100
 66 26.3 22.1 41.1





#12

1,1-Dichloroethene

Concen: 0.168 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.009 min

Lab File: VV023595.D

Acq: 18 Nov 2021 11:34

Instrument :

MSVOA_V

ClientSampleId :

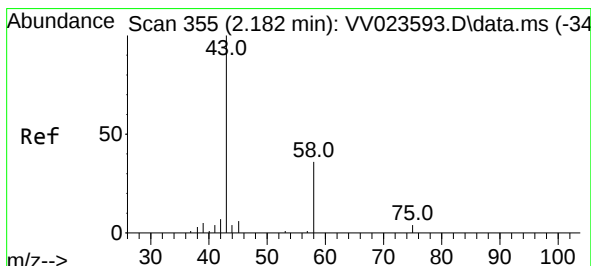
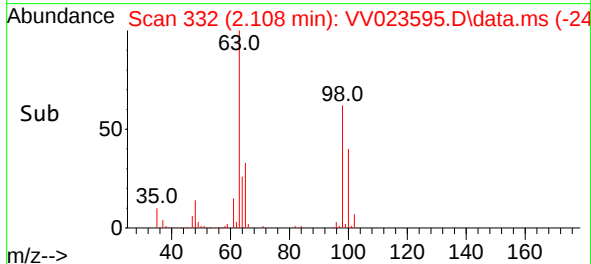
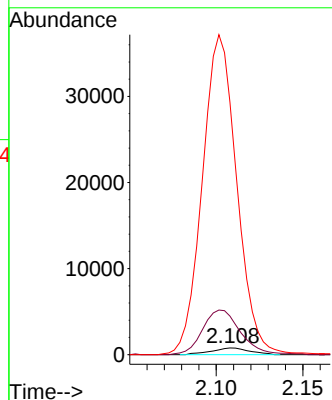
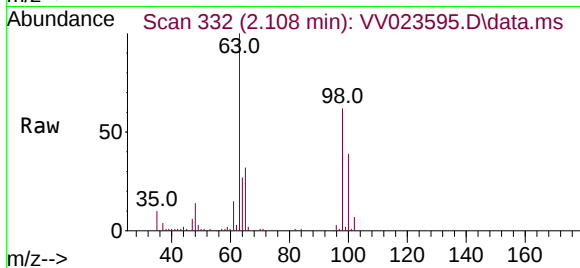
Tgt Ion: 96 Resp: 1199

Ion Ratio Lower Upper

96 100

61 571.4 121.5 225.7#

63 3737.8 99.6 185.0#



#13

Acetone

Concen: 5.009 ug/L

RT: 2.259 min Scan# 379

Delta R.T. 0.077 min

Lab File: VV023595.D

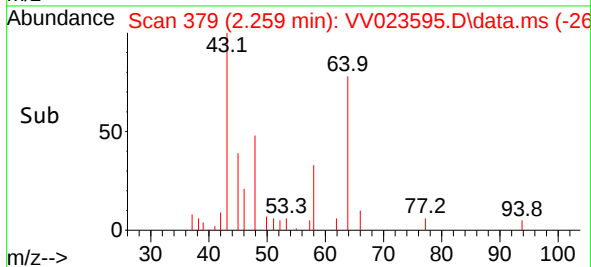
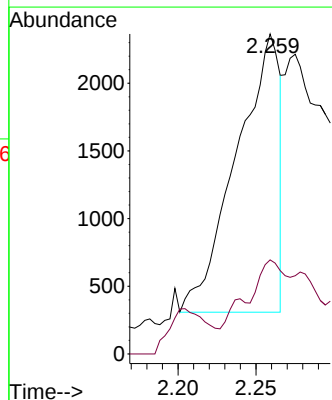
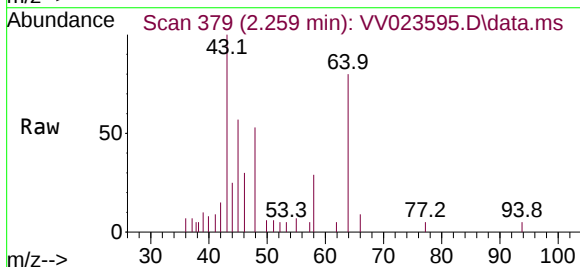
Acq: 18 Nov 2021 11:34

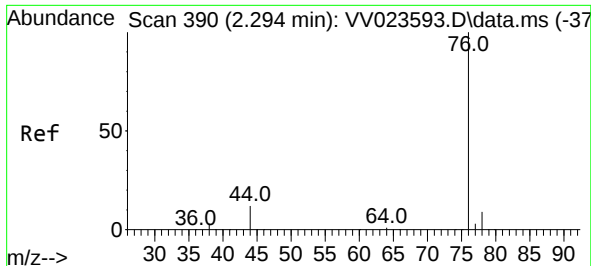
Tgt Ion: 43 Resp: 3965

Ion Ratio Lower Upper

43 100

58 8.8 0.0 55.4

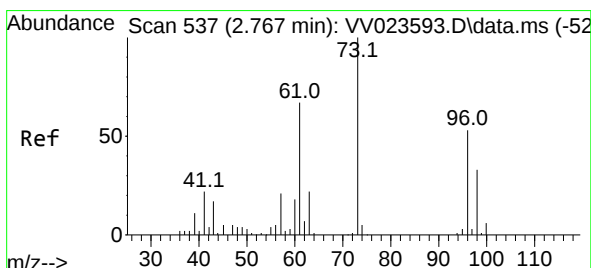
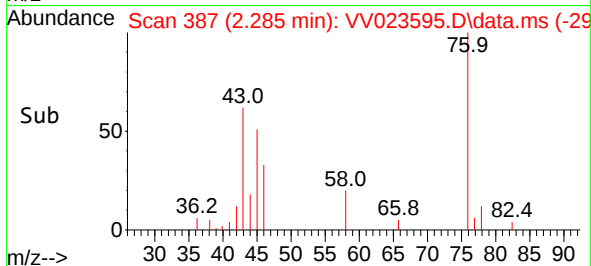
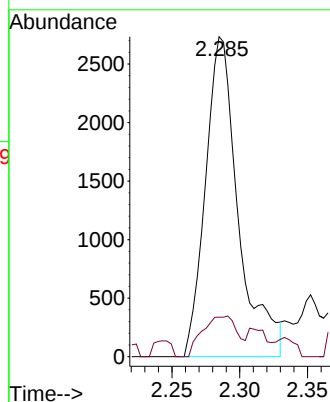
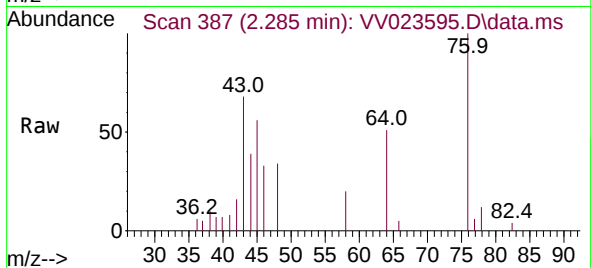




#14
Carbon disulfide
Concen: 0.171 ug/L
RT: 2.285 min Scan# 31
Delta R.T. -0.009 min
Lab File: VV023595.D
Acq: 18 Nov 2021 11:34

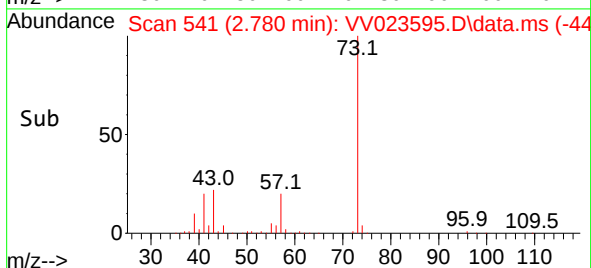
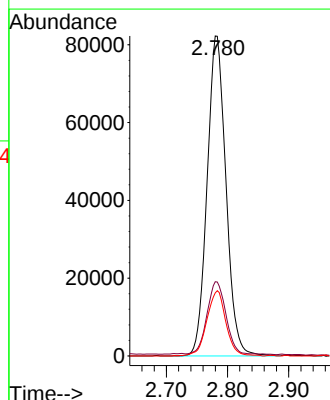
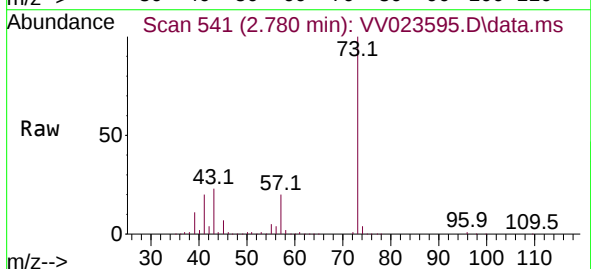
Instrument :
MSVOA_V
ClientSampleId :

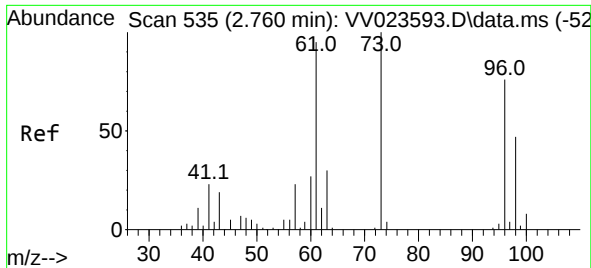
Tgt Ion: 76 Resp: 4622
Ion Ratio Lower Upper
76 100
78 12.4 7.2 10.8#



#17
Methyl tert-butyl Ether
Concen: 11.196 ug/L
RT: 2.780 min Scan# 541
Delta R.T. 0.013 min
Lab File: VV023595.D
Acq: 18 Nov 2021 11:34

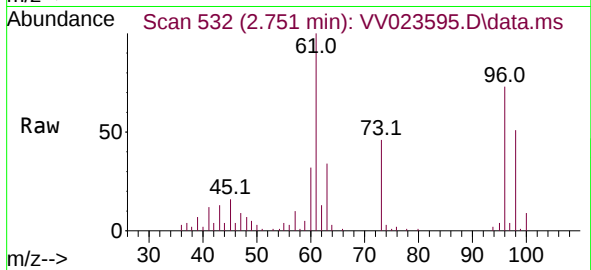
Tgt Ion: 73 Resp: 176403
Ion Ratio Lower Upper
73 100
43 22.4 17.4 26.0
57 20.6 16.5 24.7





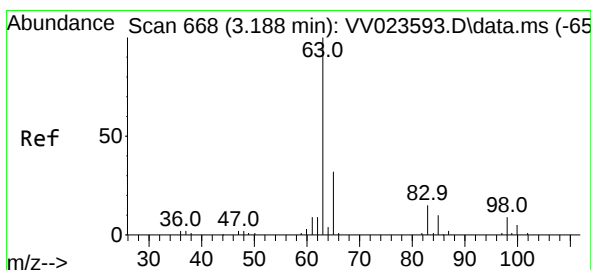
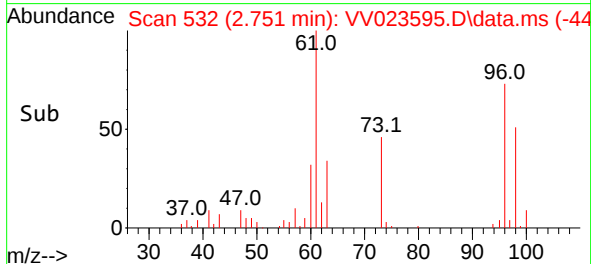
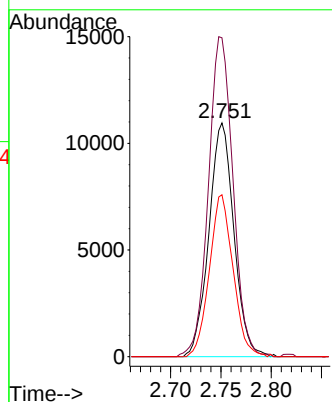
#18
 trans-1,2-Dichloroethene
 Concen: 2.155 ug/L
 RT: 2.751 min Scan# 51
 Delta R.T. -0.009 min
 Lab File: VV023595.D
 Acq: 18 Nov 2021 11:34

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 18963

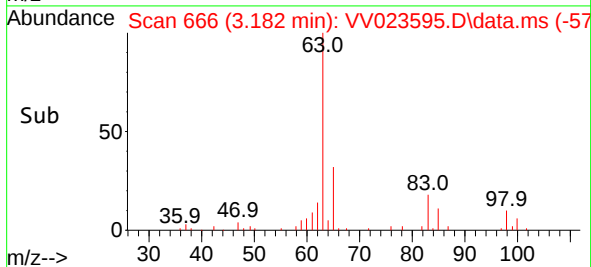
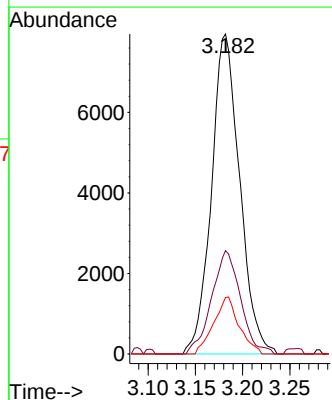
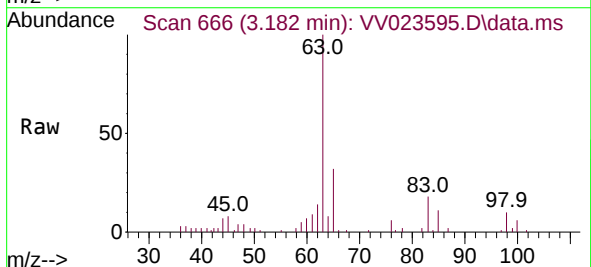
Ion	Ratio	Lower	Upper
96	100		
61	136.4	93.2	173.2
98	69.3	47.0	87.2

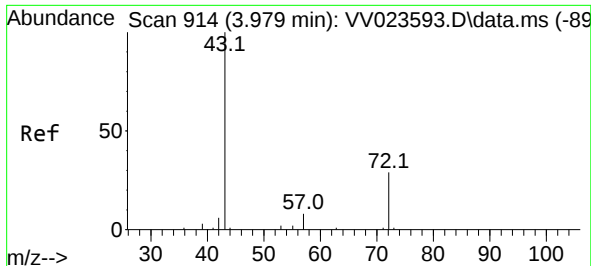


#19
 1,1-Dichloroethane
 Concen: 1.111 ug/L
 RT: 3.182 min Scan# 666
 Delta R.T. -0.006 min
 Lab File: VV023595.D
 Acq: 18 Nov 2021 11:34

Tgt Ion: 63 Resp: 16502

Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.6	42.0
83	17.7	11.1	20.7





#21

2-Butanone

Concen: 1.149 ug/L

RT: 4.053 min Scan# 91

Delta R.T. 0.074 min

Lab File: VV023595.D

Acq: 18 Nov 2021 11:34

Instrument :

MSVOA_V

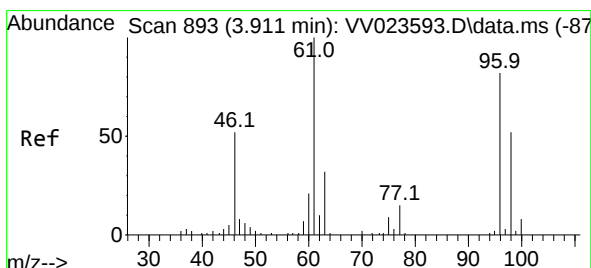
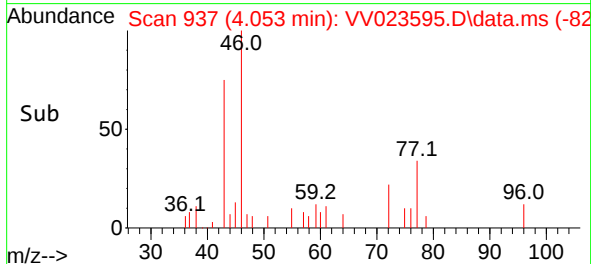
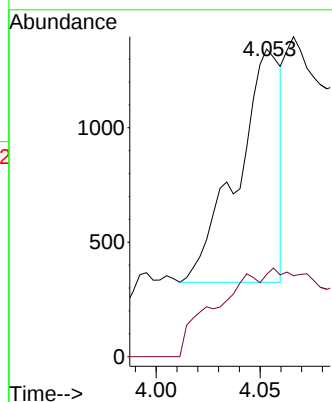
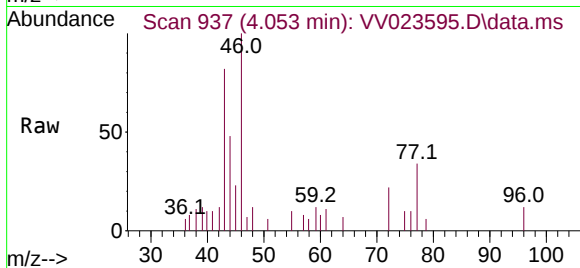
ClientSampleId :

Tgt Ion: 43 Resp: 1470

Ion Ratio Lower Upper

43 100

72 15.5 11.9 35.9



#22

cis-1,2-Dichloroethene

Concen: 56.175 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.006 min

Lab File: VV023595.D

Acq: 18 Nov 2021 11:34

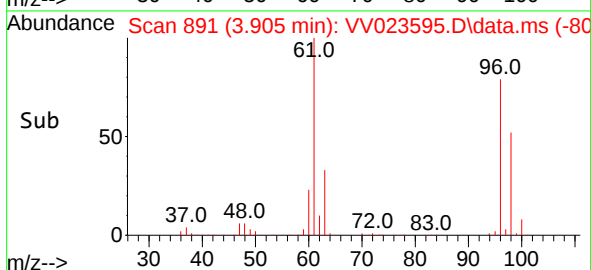
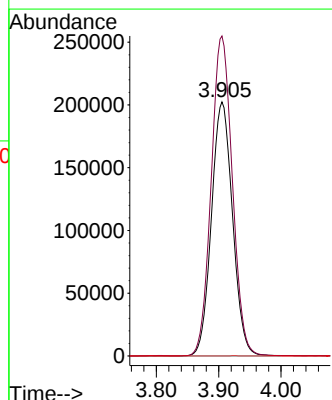
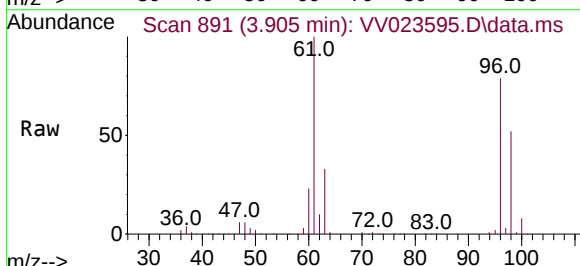
Tgt Ion: 96 Resp: 475676

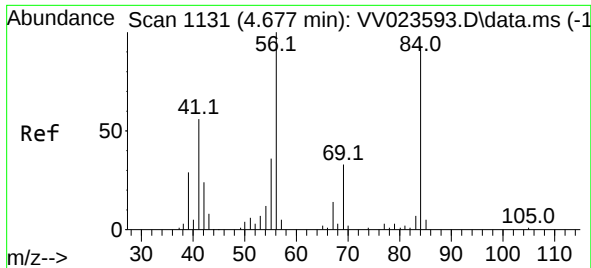
Ion Ratio Lower Upper

96 100

61 126.0 92.3 171.3

68 0.0 0.4 0.8#

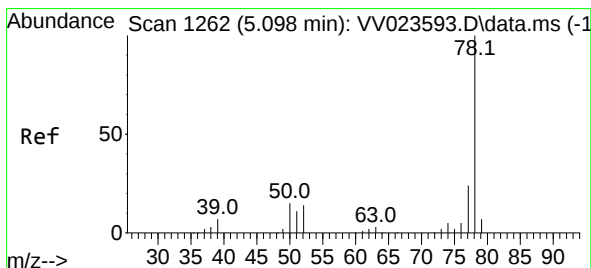
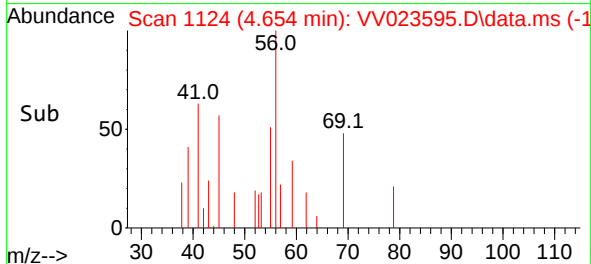
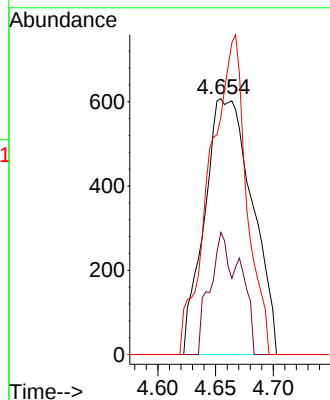
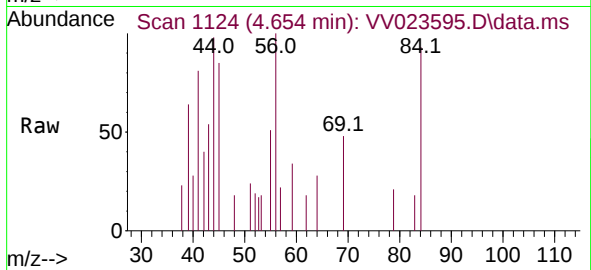




#30
Cyclohexane
Concen: 0.146 ug/L
RT: 4.654 min Scan# 1131
Delta R.T. -0.022 min
Lab File: VV023595.D
Acq: 18 Nov 2021 11:34

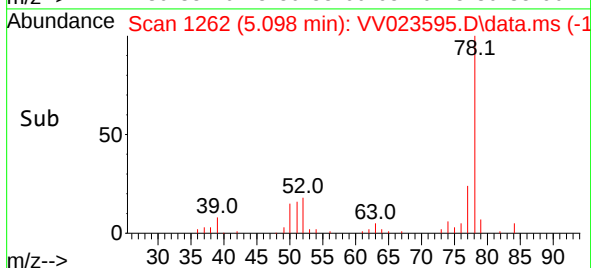
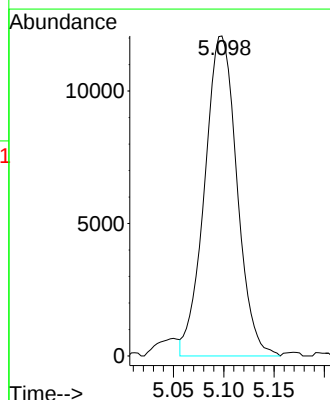
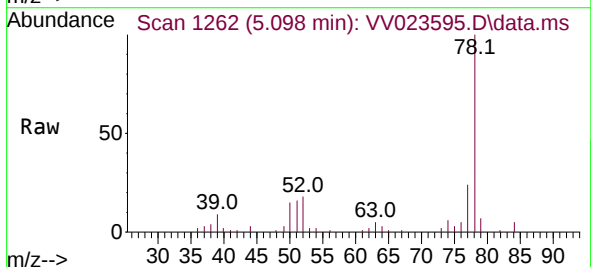
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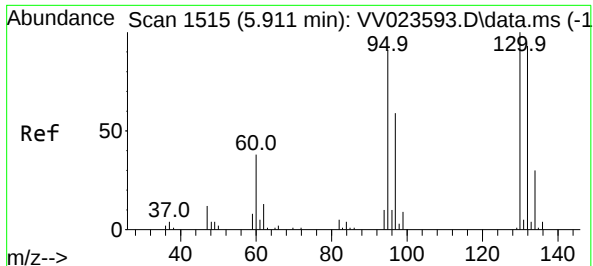
Tgt Ion: 56 Resp: 1746
Ion Ratio Lower Upper
56 100
69 19.9 23.5 35.3#
84 0.0 71.6 107.4#



#33
Benzene
Concen: 0.882 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VV023595.D
Acq: 18 Nov 2021 11:34

Tgt Ion: 78 Resp: 27051

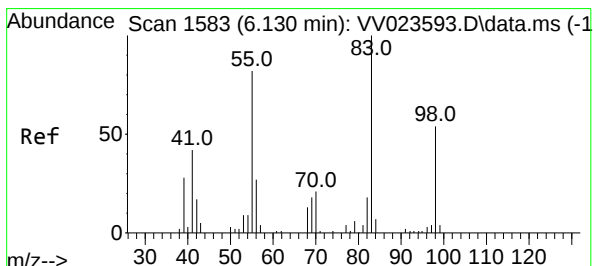
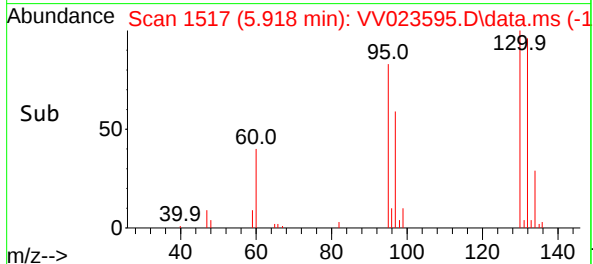
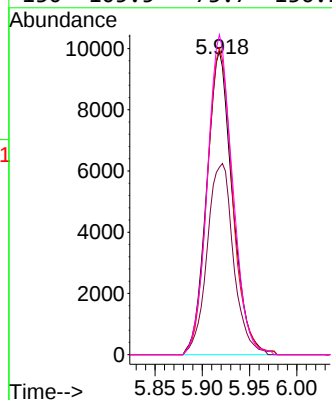
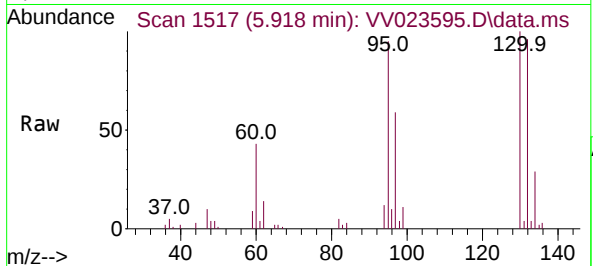




#34
Trichloroethene
Concen: 2.303 ug/L
RT: 5.918 min Scan# 1515
Delta R.T. 0.007 min
Lab File: VV023595.D
Acq: 18 Nov 2021 11:34

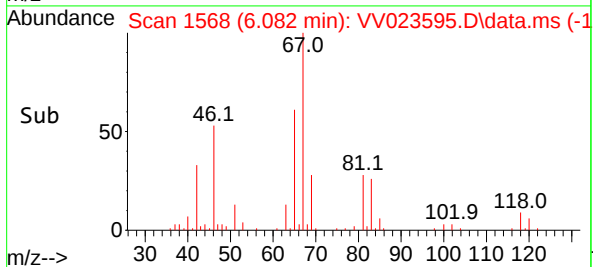
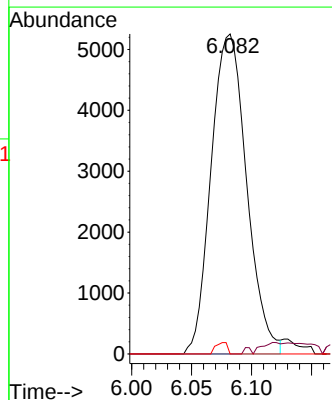
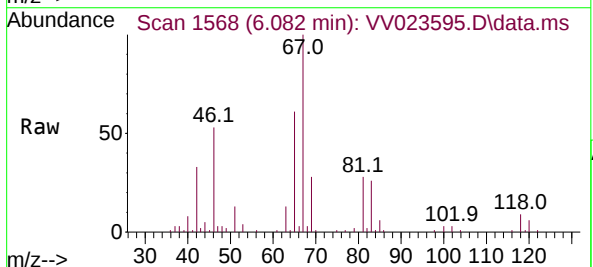
Instrument :
MSVOA_V
ClientSampleId :

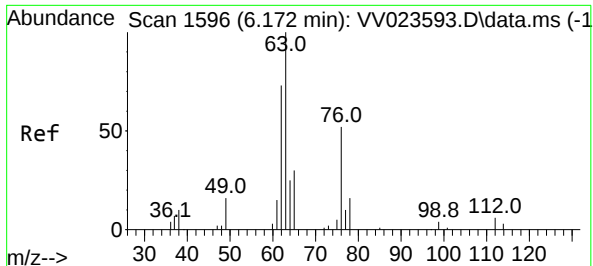
Tgt Ion: 95 Resp: 18786
Ion Ratio Lower Upper
95 100
97 61.7 45.0 83.6
132 101.0 69.7 129.4
130 105.5 73.7 136.9



#35
Methylcyclohexane
Concen: 0.841 ug/L
RT: 6.082 min Scan# 1568
Delta R.T. -0.048 min
Lab File: VV023595.D
Acq: 18 Nov 2021 11:34

Tgt Ion: 83 Resp: 10827
Ion Ratio Lower Upper
83 100
55 0.4 62.8 94.2#
98 1.2 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.674 ug/L

RT: 6.079 min Scan# 11

Delta R.T. -0.093 min

Lab File: VV023595.D

Acq: 18 Nov 2021 11:34

Instrument :

MSVOA_V

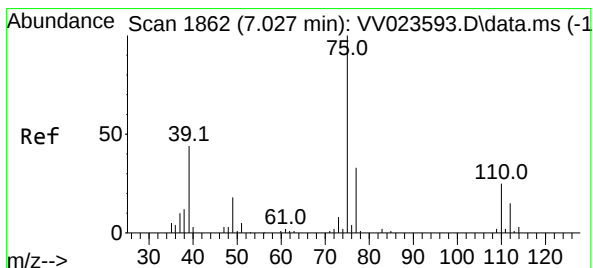
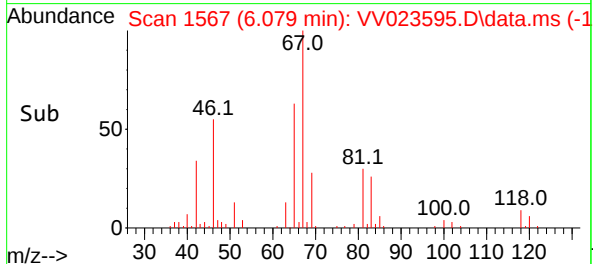
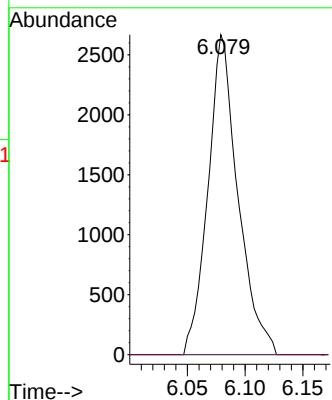
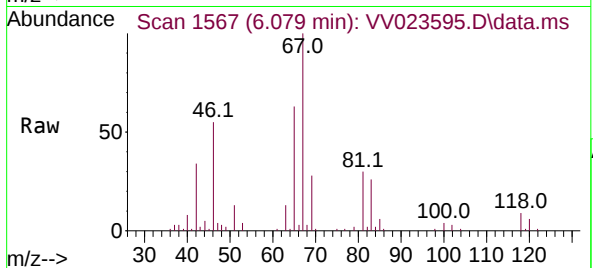
ClientSampleId :

Tgt Ion: 63 Resp: 4824

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.121 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.032 min

Lab File: VV023595.D

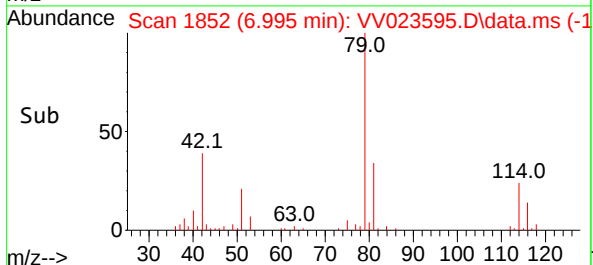
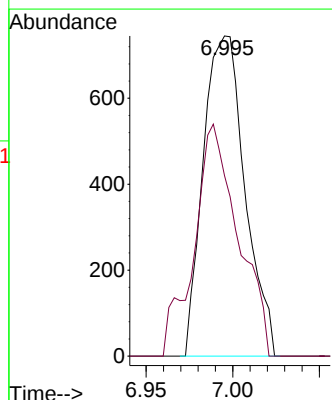
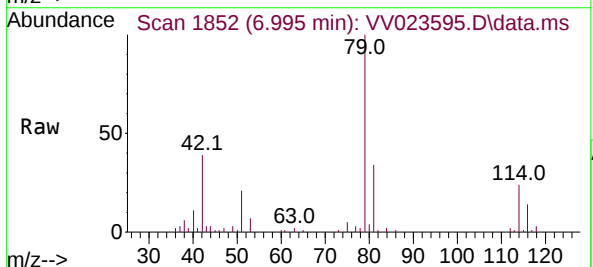
Acq: 18 Nov 2021 11:34

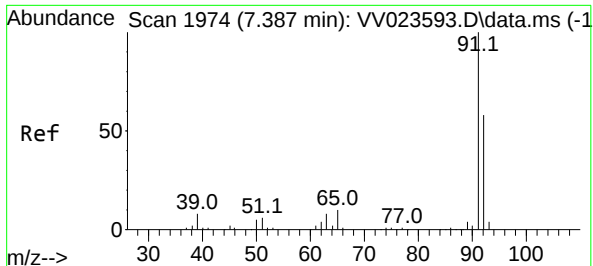
Tgt Ion: 75 Resp: 1248

Ion Ratio Lower Upper

75 100

77 56.4 21.6 40.2#

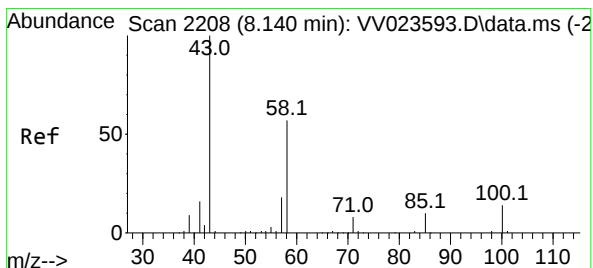
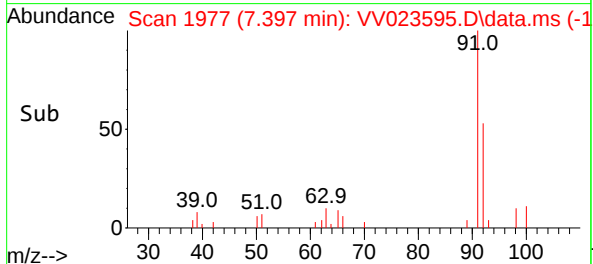
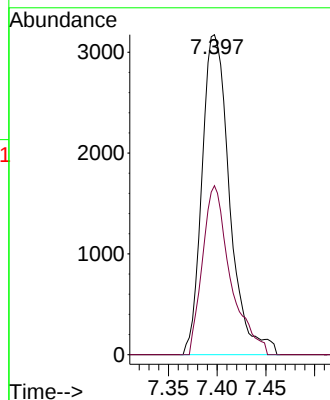
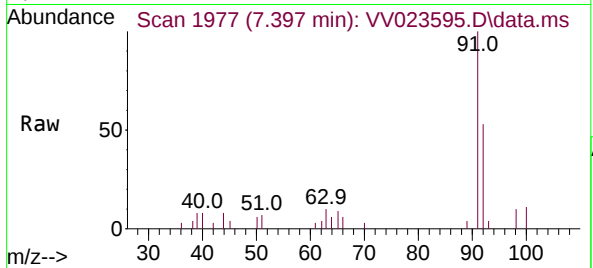




#42
Toluene
Concen: 0.191 ug/L
RT: 7.397 min Scan# 1974
Delta R.T. 0.010 min
Lab File: VV023595.D
Acq: 18 Nov 2021 11:34

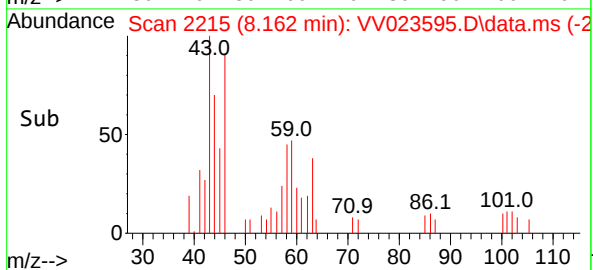
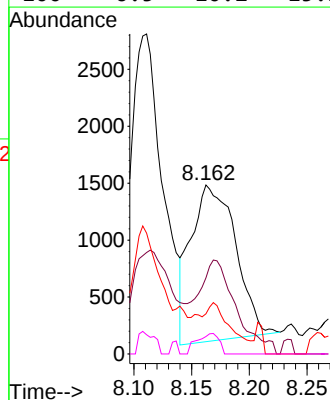
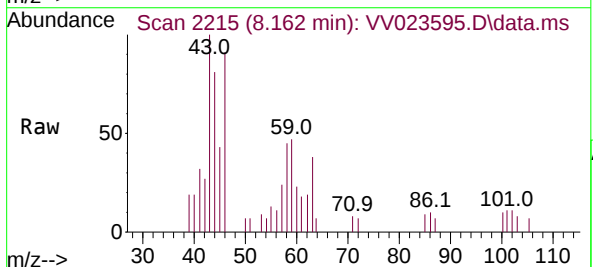
Instrument :
MSVOA_V
ClientSampleId :

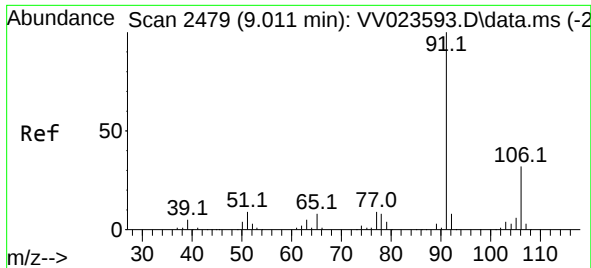
Tgt Ion: 91 Resp: 6257
Ion Ratio Lower Upper
91 100
92 52.8 39.3 72.9



#48
2-Hexanone
Concen: 1.588 ug/L
RT: 8.162 min Scan# 2215
Delta R.T. 0.023 min
Lab File: VV023595.D
Acq: 18 Nov 2021 11:34

Tgt Ion: 43 Resp: 3695
Ion Ratio Lower Upper
43 100
58 51.2 43.7 65.5
57 18.2 14.1 21.1
100 6.5 10.2 15.2#





#52

Ethylbenzene

Concen: 0.064 ug/L

RT: 9.021 min Scan# 2479

Delta R.T. 0.010 min

Lab File: VV023595.D

Acq: 18 Nov 2021 11:34

Instrument :

MSVOA_V

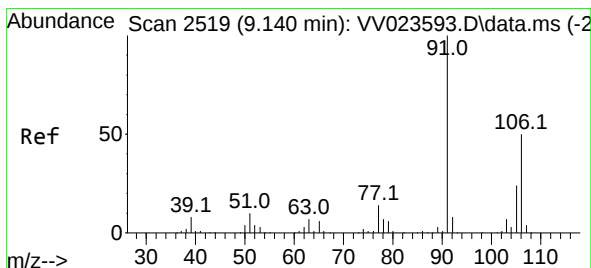
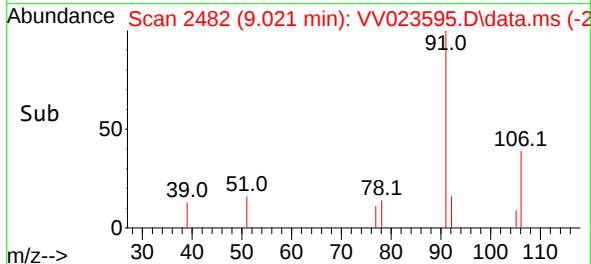
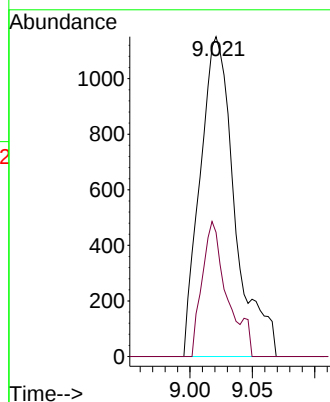
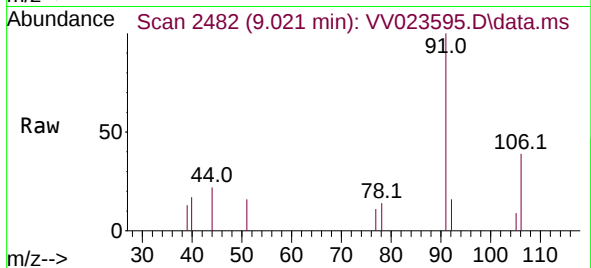
ClientSampleId :

Tgt Ion: 91 Resp: 2231

Ion Ratio Lower Upper

91 100

106 38.8 22.5 41.9



#53

m,p-xylene

Concen: 0.085 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.007 min

Lab File: VV023595.D

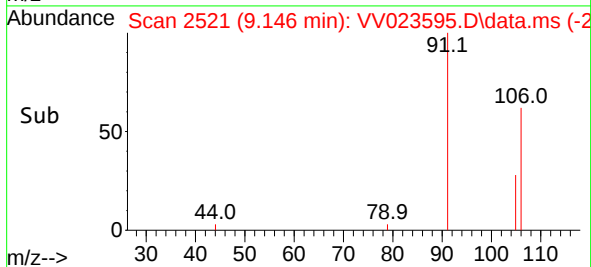
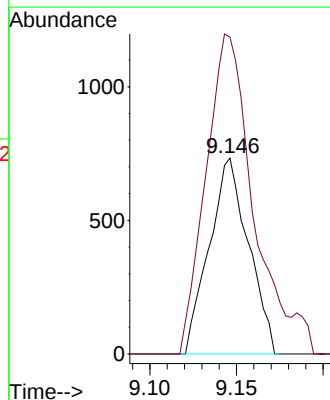
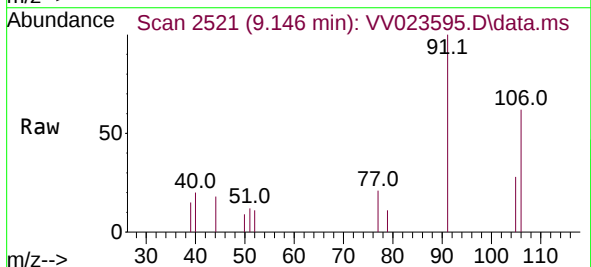
Acq: 18 Nov 2021 11:34

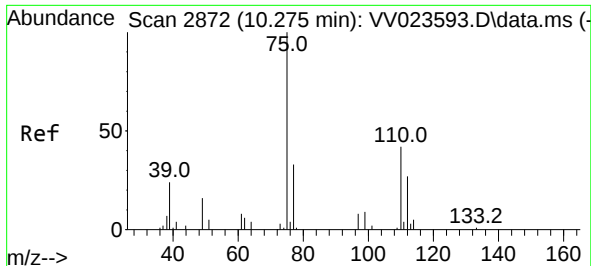
Tgt Ion: 106 Resp: 1152

Ion Ratio Lower Upper

106 100

91 161.8 137.2 254.8

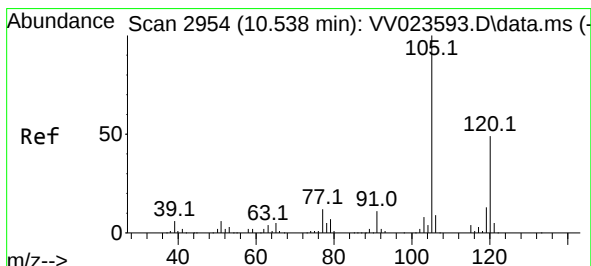
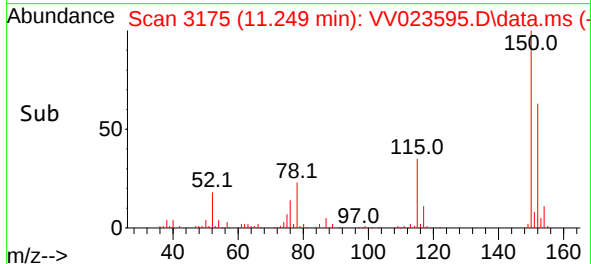
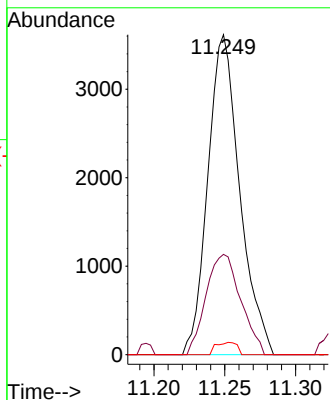
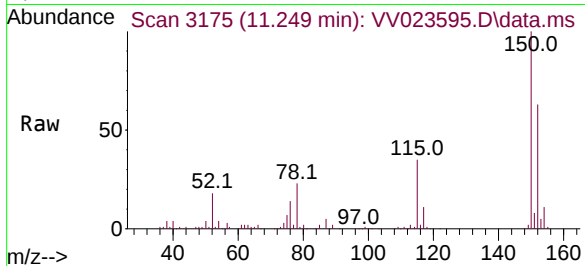




#61
 1,2,3-Trichloropropane
 Concen: 1.633 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.975 min
 Lab File: VV023595.D
 Acq: 18 Nov 2021 11:34

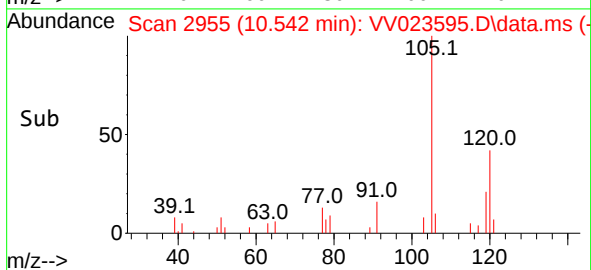
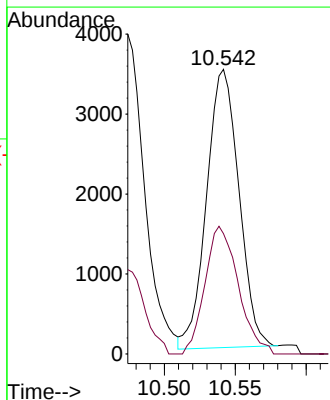
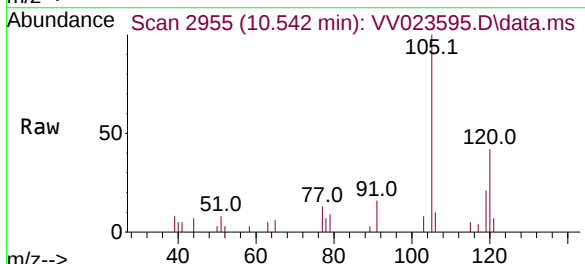
Instrument :
 MSVOA_V
 ClientSampleId :

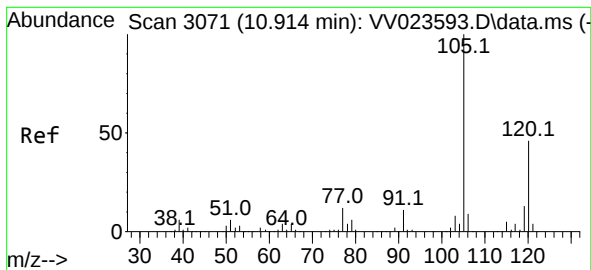
Tgt Ion: 75 Resp: 5655
 Ion Ratio Lower Upper
 75 100
 77 34.1 26.6 39.8
 110 2.5 31.8 47.6#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.222 ug/L
 RT: 10.542 min Scan# 2955
 Delta R.T. 0.003 min
 Lab File: VV023595.D
 Acq: 18 Nov 2021 11:34

Tgt Ion: 105 Resp: 5518
 Ion Ratio Lower Upper
 105 100
 120 47.3 39.7 59.5





#63
 1,2,4-Trimethylbenzene
 Concen: 0.446 ug/L
 RT: 10.918 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VV023595.D
 Acq: 18 Nov 2021 11:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:105 Resp: 11006
 Ion Ratio Lower Upper
 105 100
 120 46.5 37.4 56.2

