

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092222\
 Data File : VW028086.D
 Acq On : 23 Sep 2022 02:22
 Operator : SY/MD
 Sample : N4621-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 23 04:54:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 23 04:38:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.590	114	249927	5.000	ug/L	-0.02
28) Chlorobenzene-d5	8.857	117	167115	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	81759	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	92498	3.570	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.400%
7) Chloroethane-d5	1.555	69	74120	3.598	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.000%
11) 1,1-Dichloroethene-d2	2.092	63	122031	2.715	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.400%#
20) 2-Butanone-d5	3.934	46	170449	38.965	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.940%
24) Chloroform-d	4.343	84	152195	3.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.600%
26) 1,2-Dichloroethane-d4	5.031	65	81886	4.162	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
32) Benzene-d6	5.037	84	333602	6.088	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.800%
36) 1,2-Dichloropropane-d6	6.040	67	93714	5.486	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.800%
41) Toluene-d8	7.323	98	232426	4.686	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
43) trans-1,3-Dichloroprop...	7.632	79	28600	4.635	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.114	63	117578	45.654	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.300%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	58357	4.998	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	96365	6.009	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	1846	0.099	ug/L #	88
3) Chloromethane	1.230	50	1326	0.054	ug/L	83
5) Vinyl chloride	1.298	62	979	0.051	ug/L #	1
13) Acetone	2.220	43	12918	3.834	ug/L	70
14) Carbon disulfide	2.278	76	2394	0.072	ug/L #	55
15) Methyl Acetate	2.220	43	12918	1.975	ug/L #	56
17) Methyl tert-butyl Ether	2.777	73	1298	0.035	ug/L #	80
30) Cyclohexane	4.648	56	1042	0.070	ug/L #	14
33) Benzene	5.088	78	4087	0.088	ug/L	100
35) Methylcyclohexane	6.040	83	24037	1.517	ug/L #	16
39) cis-1,3-Dichloropropene	6.995	75	2037	0.126	ug/L #	65
44) trans-1,3-Dichloropropene	7.625	75	1202	0.086	ug/L #	69
51) Chlorobenzene	8.889	112	5314	0.164	ug/L	93
52) Ethylbenzene	9.021	91	1869	0.036	ug/L	97
53) m,p-Xylene	9.146	106	6094	0.311	ug/L	87
54) o-Xylene	9.548	106	3837	0.198	ug/L	96
60) Isopropylbenzene	9.934	105	3303	0.069	ug/L #	84
61) 1,2,3-Trichloropropane	11.246	75	8853	1.291	ug/L #	69
62) 1,3,5-Trimethylbenzene	10.915	105	11078	0.820	ug/L	92

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 23 04:38:54 2022
Response via : Initial Calibration

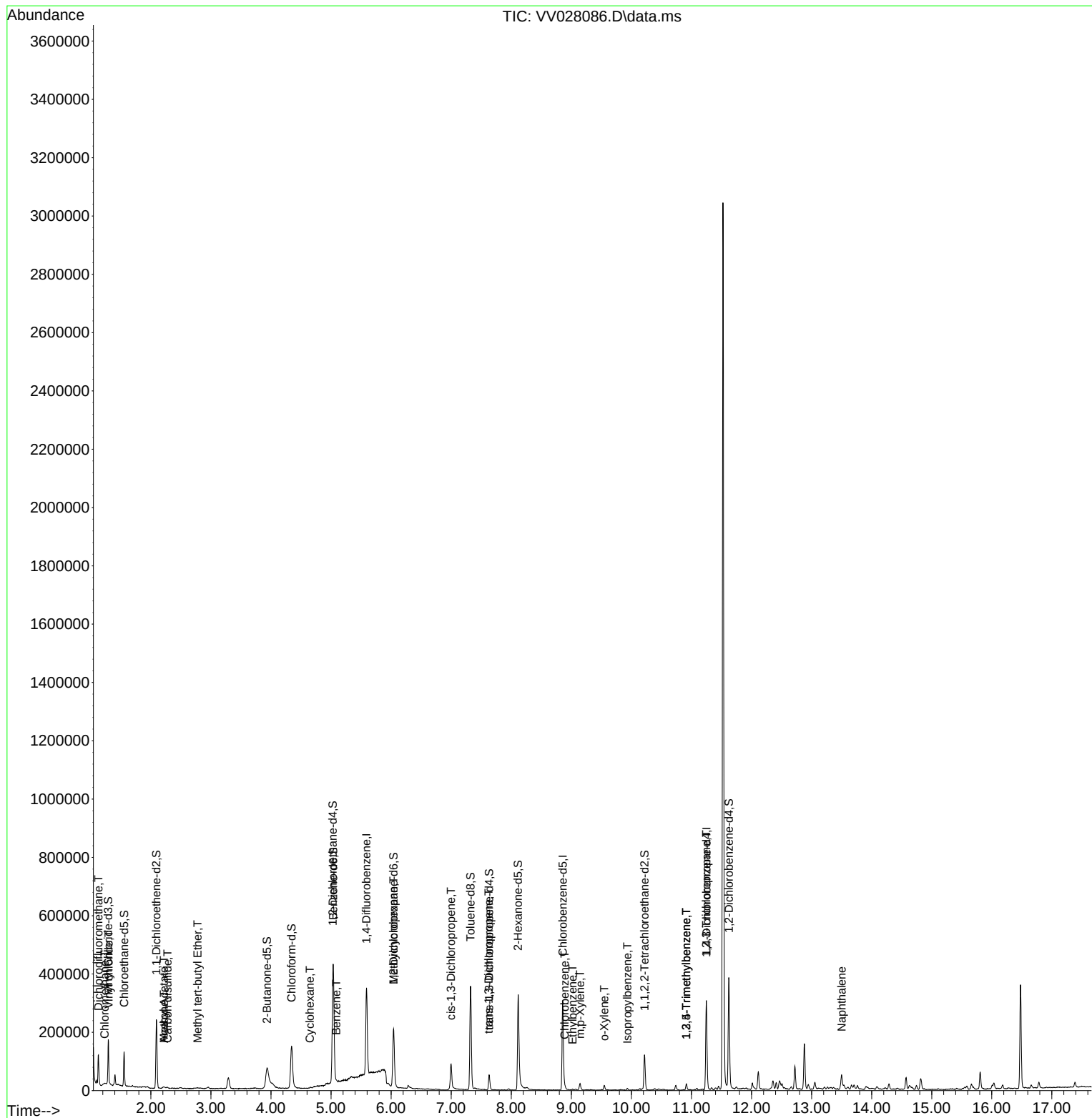
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.915	105	11078	0.293	ug/L	97
71) Naphthalene	13.503	128	28890	1.167	ug/L #	96

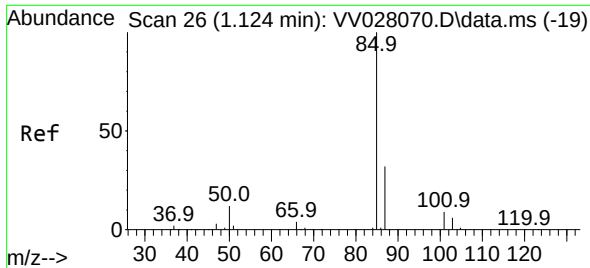
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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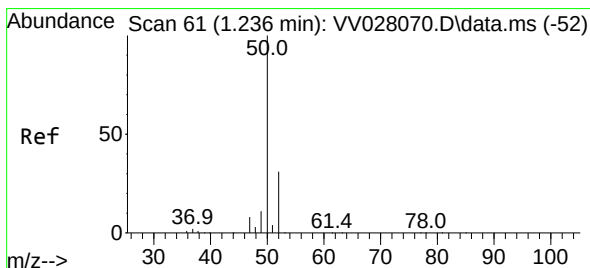
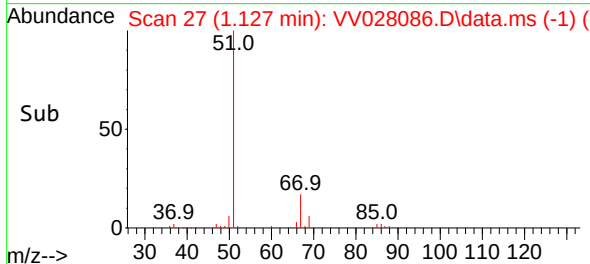
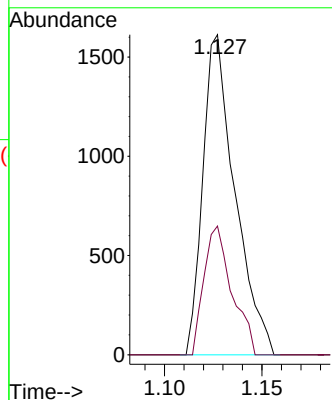
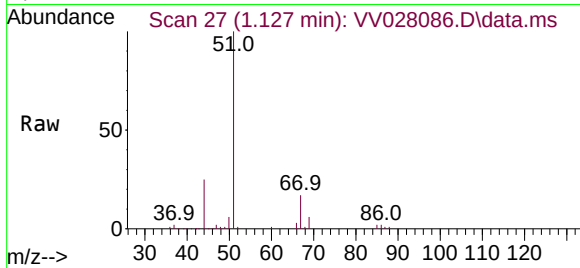




#2
 Dichlorodifluoromethane
 Concen: 0.099 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV028086.D
 Acq: 23 Sep 2022 02:22

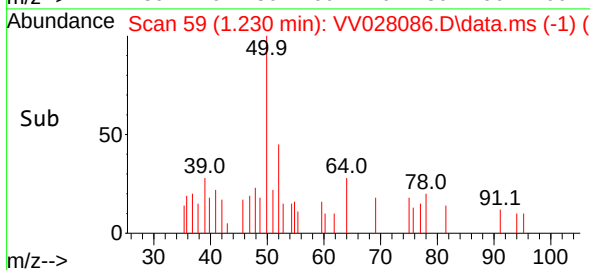
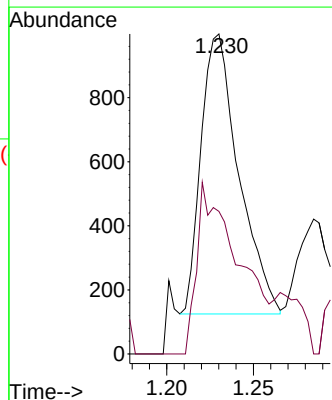
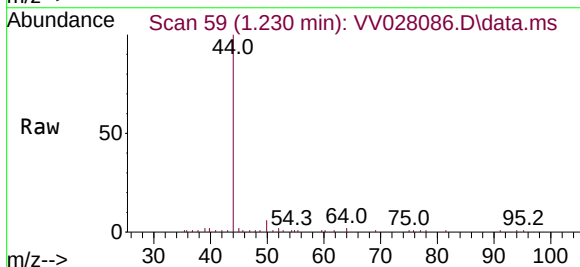
Instrument :
 MSVOA_V
 ClientSampleId :

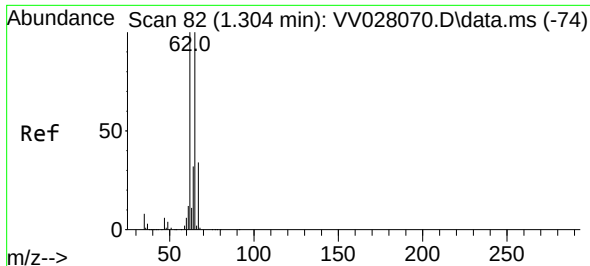
Tgt Ion: 85 Resp: 1846
 Ion Ratio Lower Upper
 85 100
 87 35.0 22.8 34.2#



#3
 Chloromethane
 Concen: 0.054 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. -0.006 min
 Lab File: VV028086.D
 Acq: 23 Sep 2022 02:22

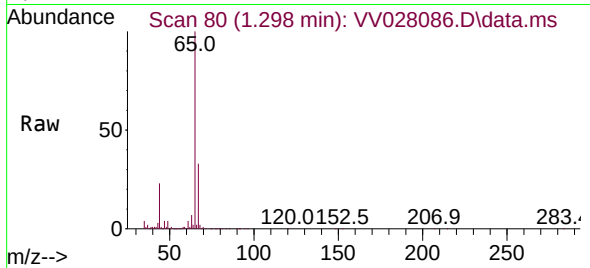
Tgt Ion: 50 Resp: 1326
 Ion Ratio Lower Upper
 50 100
 52 44.5 24.4 45.2



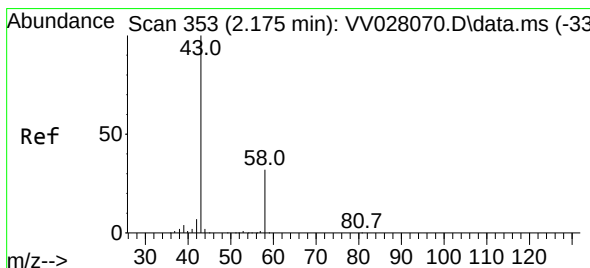
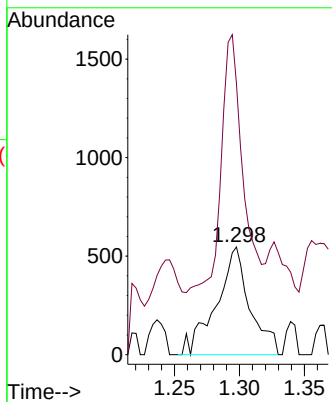
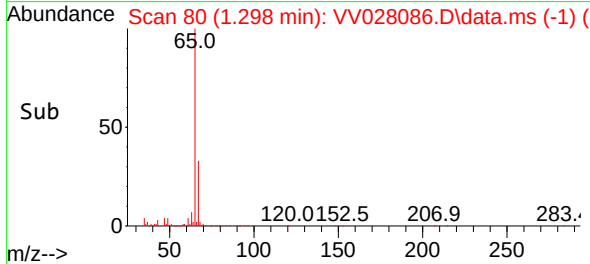


#5
 Vinyl chloride
 Concen: 0.051 ug/L
 RT: 1.298 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VV028086.D
 Acq: 23 Sep 2022 02:22

Instrument :
 MSVOA_V
 ClientSampleId :

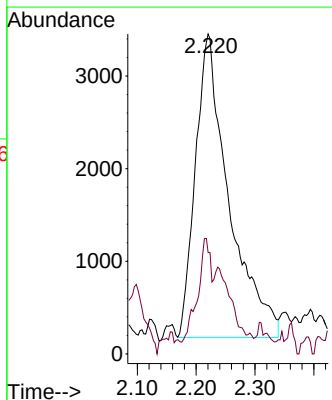
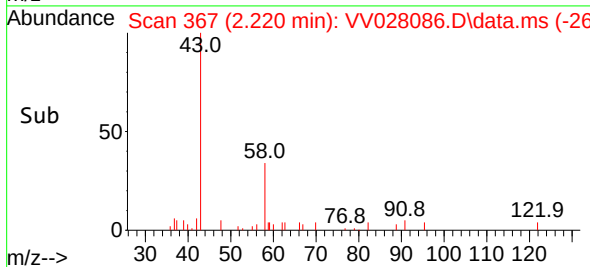
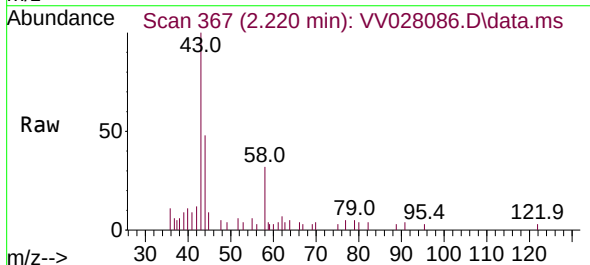


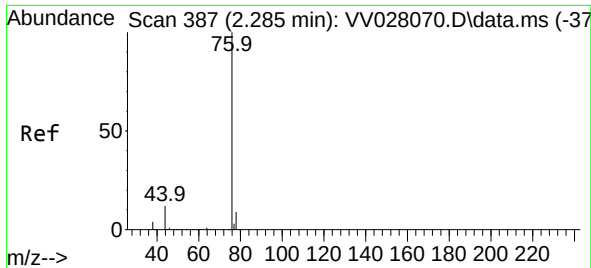
Tgt Ion: 62 Resp: 979
 Ion Ratio Lower Upper
 62 100
 64 252.0 23.0 42.8#



#13
 Acetone
 Concen: 3.834 ug/L
 RT: 2.220 min Scan# 367
 Delta R.T. 0.045 min
 Lab File: VV028086.D
 Acq: 23 Sep 2022 02:22

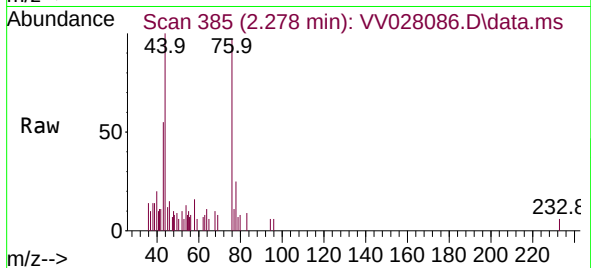
Tgt Ion: 43 Resp: 12918
 Ion Ratio Lower Upper
 43 100
 58 15.8 0.0 65.6



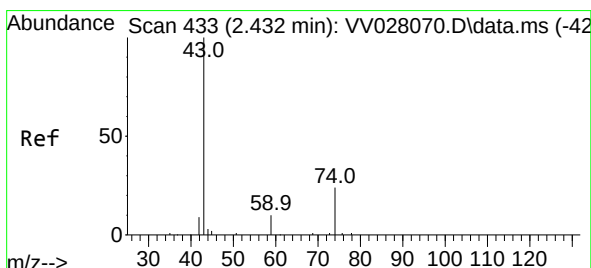
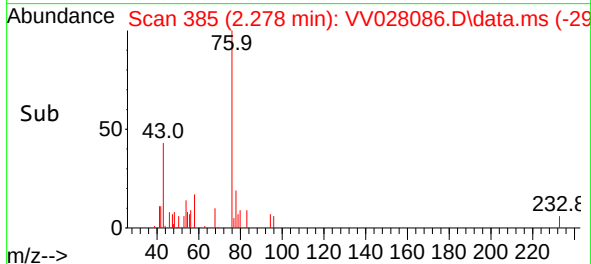
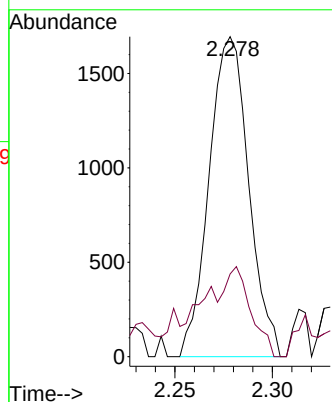


#14
Carbon disulfide
Concen: 0.072 ug/L
RT: 2.278 min Scan# 31
Delta R.T. -0.006 min
Lab File: VV028086.D
Acq: 23 Sep 2022 02:22

Instrument :
MSVOA_V
ClientSampleId :

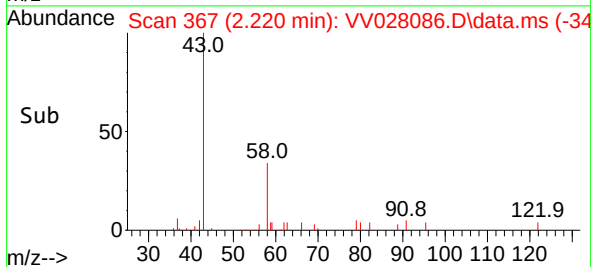
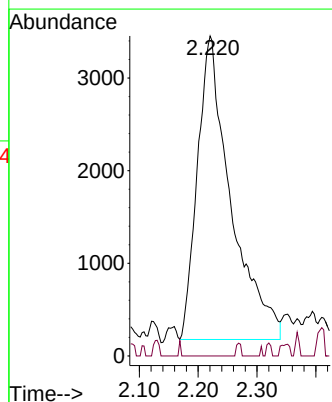
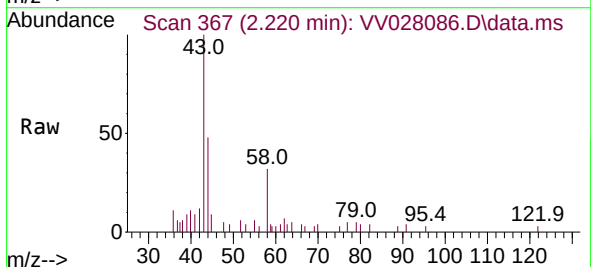


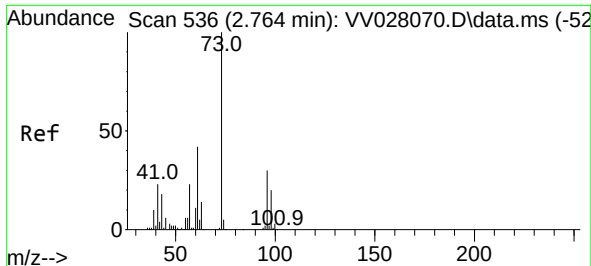
Tgt Ion: 76 Resp: 2394
Ion Ratio Lower Upper
76 100
78 25.8 7.6 11.4#



#15
Methyl Acetate
Concen: 1.975 ug/L
RT: 2.220 min Scan# 367
Delta R.T. -0.212 min
Lab File: VV028086.D
Acq: 23 Sep 2022 02:22

Tgt Ion: 43 Resp: 12918
Ion Ratio Lower Upper
43 100
74 0.6 16.9 25.3#





#17

Methyl tert-butyl Ether

Concen: 0.035 ug/L

RT: 2.777 min Scan# 54

Delta R.T. 0.013 min

Lab File: VV028086.D

Acq: 23 Sep 2022 02:22

Instrument :

MSVOA_V

ClientSampleId :

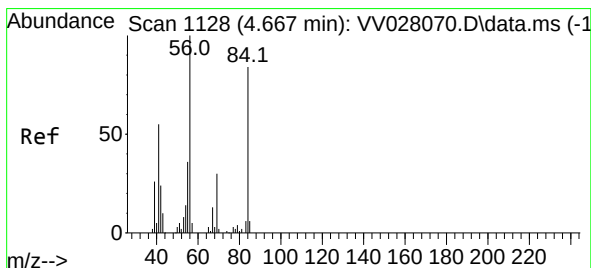
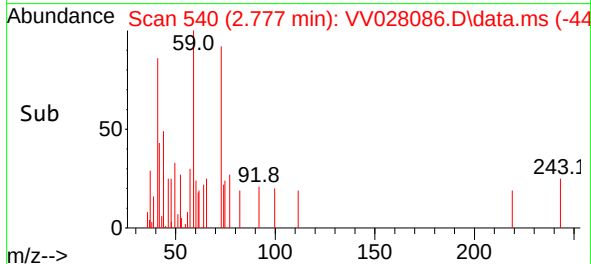
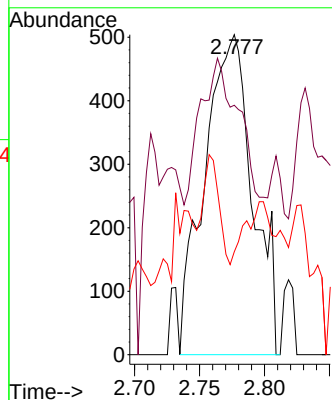
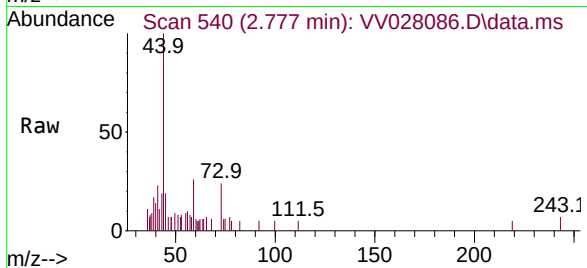
Tgt Ion: 73 Resp: 1298

Ion Ratio Lower Upper

73 100

43 36.9 15.7 23.5#

57 20.2 17.8 26.8



#30

Cyclohexane

Concen: 0.070 ug/L

RT: 4.648 min Scan# 1122

Delta R.T. -0.019 min

Lab File: VV028086.D

Acq: 23 Sep 2022 02:22

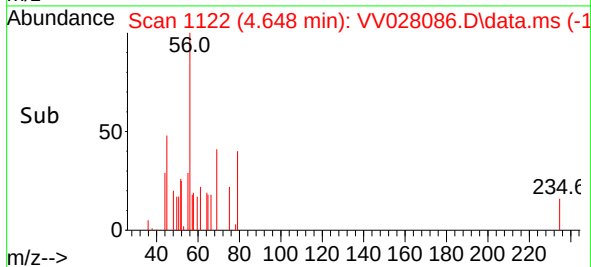
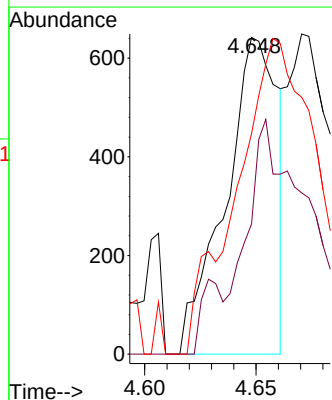
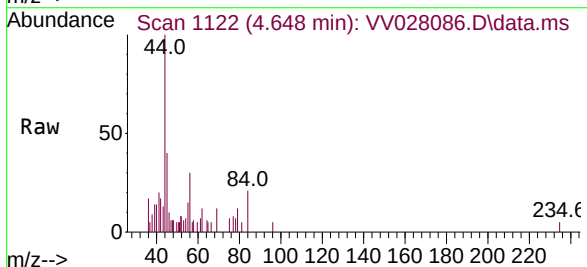
Tgt Ion: 56 Resp: 1042

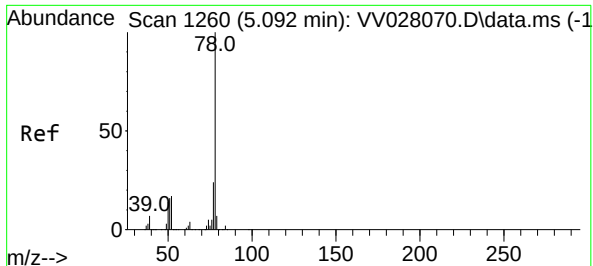
Ion Ratio Lower Upper

56 100

69 75.6 23.7 35.5#

84 162.4 67.3 100.9#

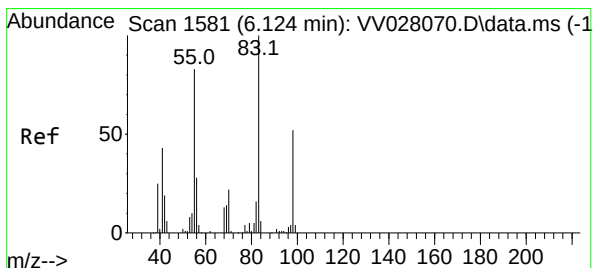
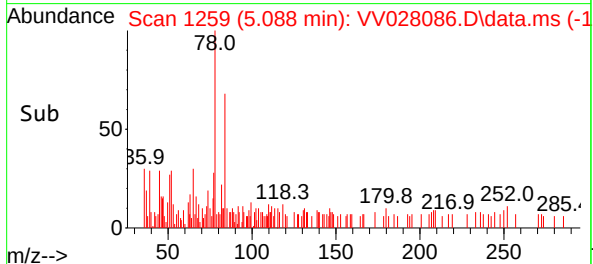
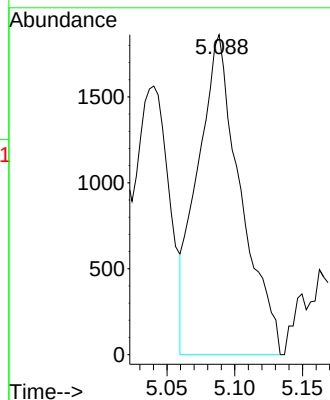
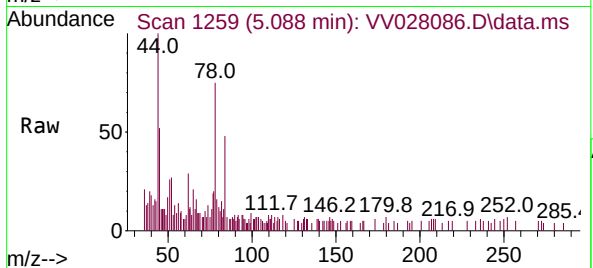




#33
Benzene
Concen: 0.088 ug/L
RT: 5.088 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV028086.D
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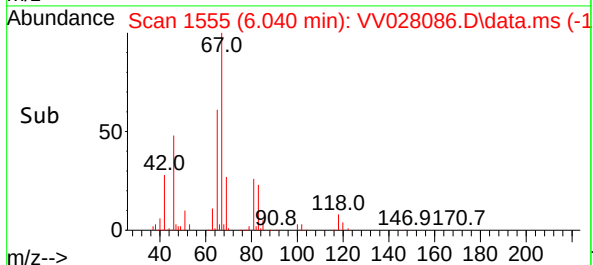
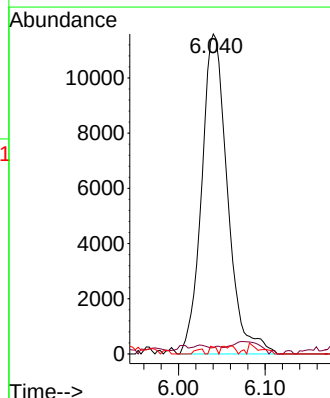
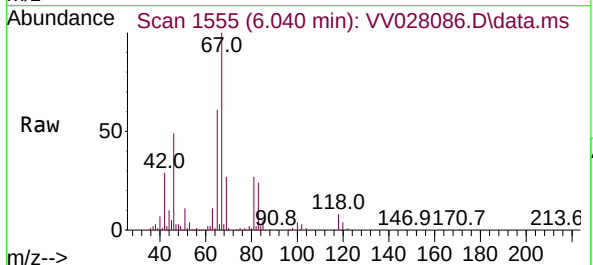
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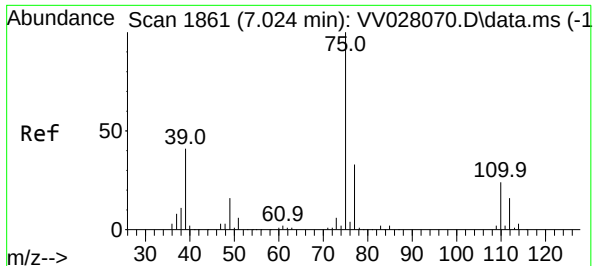
Tgt Ion: 78 Resp: 4087



#35
Methylcyclohexane
Concen: 1.517 ug/L
RT: 6.040 min Scan# 1555
Delta R.T. -0.083 min
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Tgt Ion: 83 Resp: 24037
Ion Ratio Lower Upper
83 100
55 0.0 64.7 97.1#
98 0.6 39.5 59.3#





#39

cis-1,3-Dichloropropene

Concen: 0.126 ug/L

RT: 6.995 min Scan# 11

Delta R.T. -0.029 min

Lab File: VV028086.D

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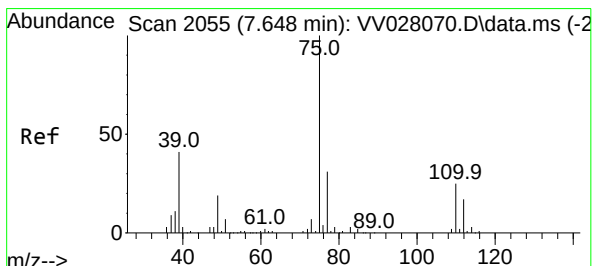
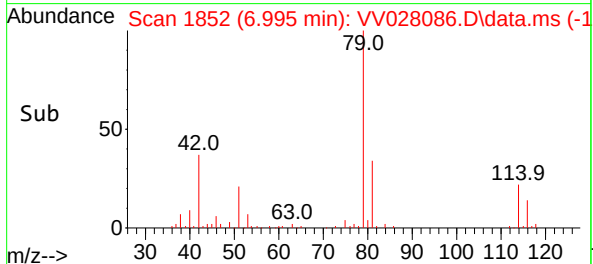
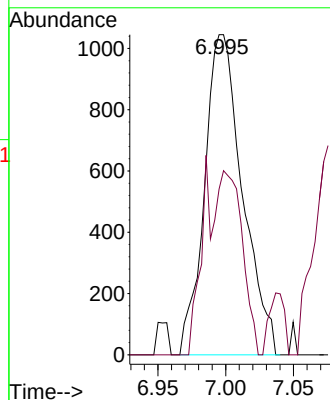
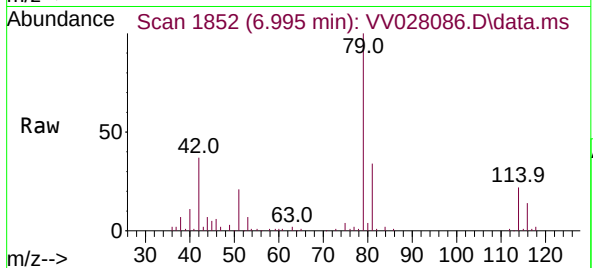
ClientSampleId :

Tgt Ion: 75 Resp: 2037

Ion Ratio Lower Upper

75 100

77 51.8 22.4 41.6#



#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.625 min Scan# 2048

Delta R.T. -0.022 min

Lab File: VV028086.D

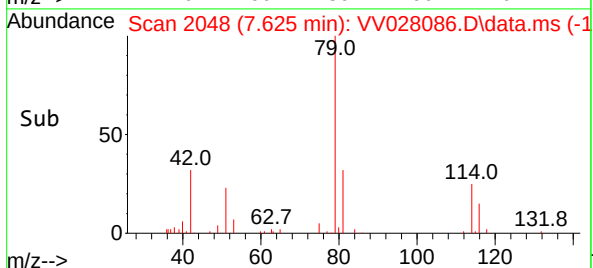
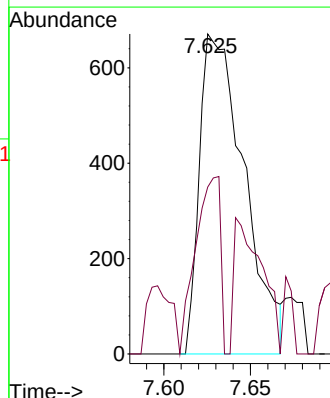
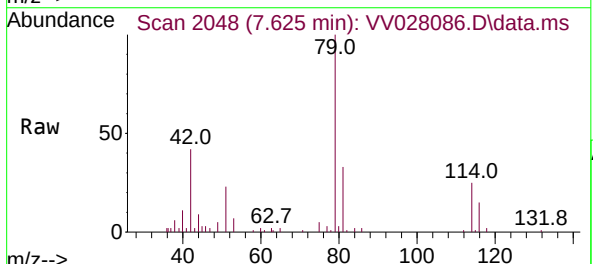
Acq: 23 Sep 2022 02:22

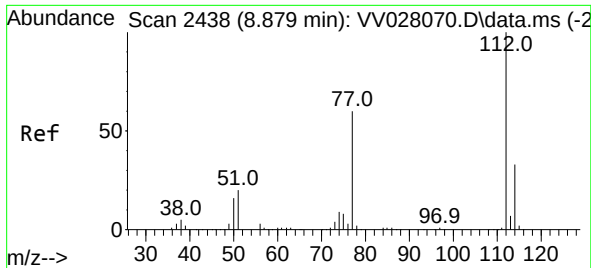
Tgt Ion: 75 Resp: 1202

Ion Ratio Lower Upper

75 100

77 52.2 23.9 44.3#

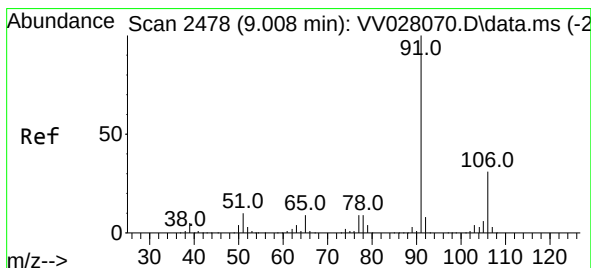
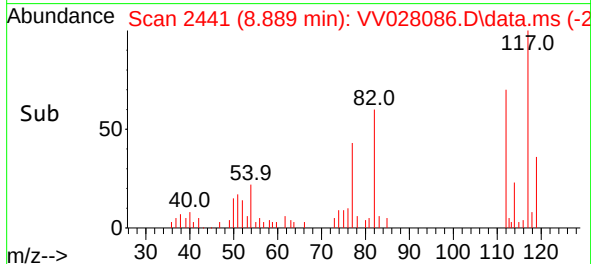
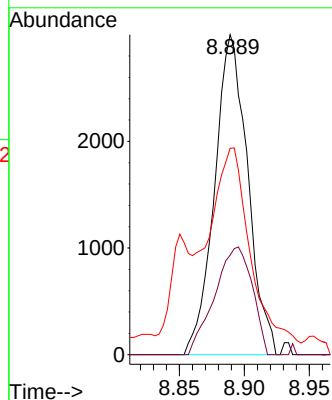
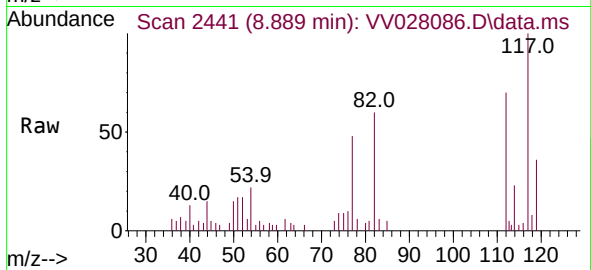




#51
Chlorobenzene
Concen: 0.164 ug/L
RT: 8.889 min Scan# 2438
Delta R.T. 0.010 min
Lab File: VV028086.D
Acq: 23 Sep 2022 02:22

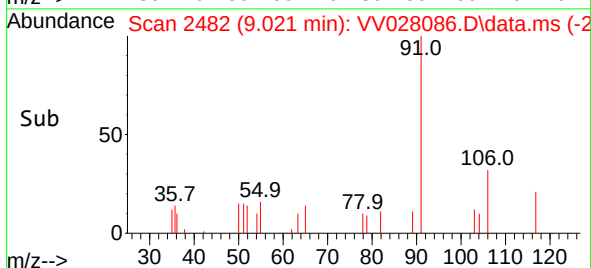
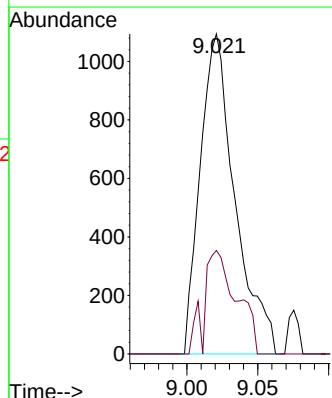
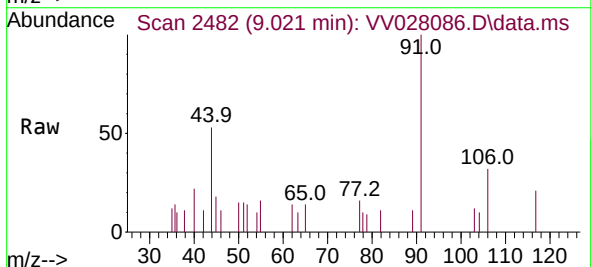
Instrument :
MSVOA_V
ClientSampleId :

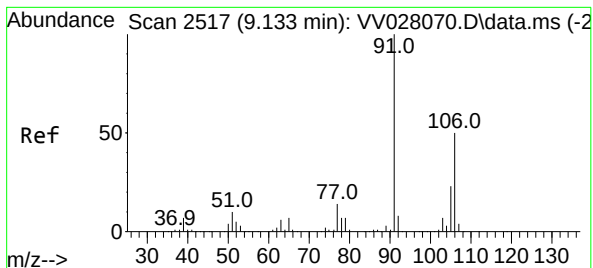
Tgt Ion:112	Resp:	5314
Ion	Ratio	Lower Upper
112	100	
114	31.1	22.5 41.7
77	64.5	46.1 69.1



#52
Ethylbenzene
Concen: 0.036 ug/L
RT: 9.021 min Scan# 2482
Delta R.T. 0.013 min
Lab File: VV028086.D
Acq: 23 Sep 2022 02:22

Tgt Ion: 91	Resp:	1869
Ion	Ratio	Lower Upper
91	100	
106	32.4	21.5 39.9





#53

m,p-Xylene

Concen: 0.311 ug/L

RT: 9.146 min Scan# 2

Delta R.T. 0.013 min

Lab File: VV028086.D

Acq: 23 Sep 2022 02:22

Instrument :

MSVOA_V

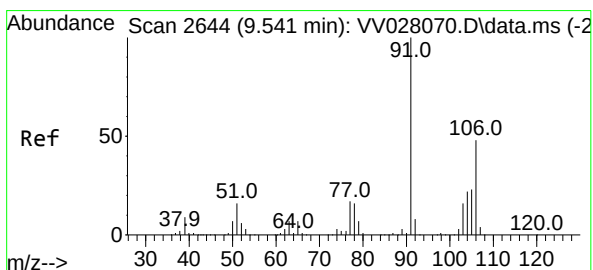
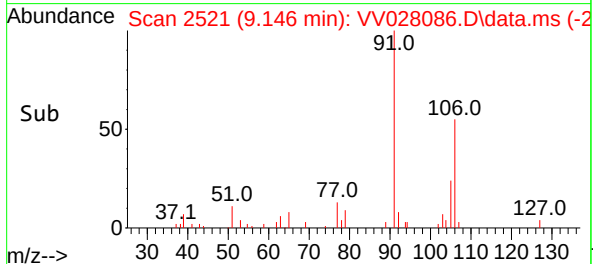
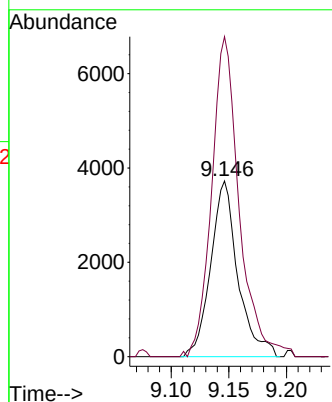
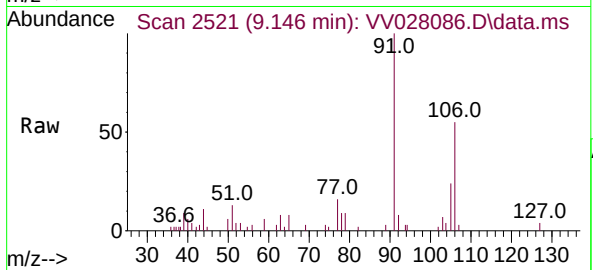
ClientSampleId :

Tgt Ion:106 Resp: 6094

Ion Ratio Lower Upper

106 100

91 182.1 141.9 263.5



#54

o-Xylene

Concen: 0.198 ug/L

RT: 9.548 min Scan# 2646

Delta R.T. 0.007 min

Lab File: VV028086.D

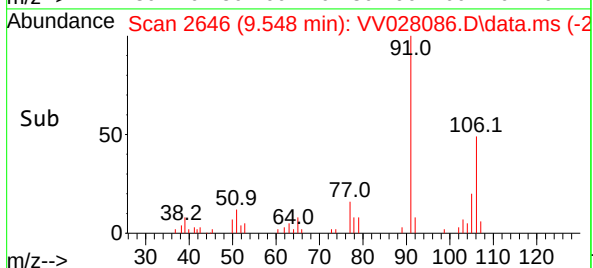
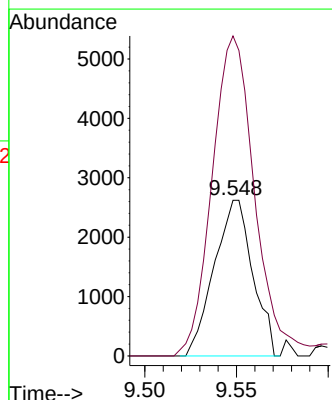
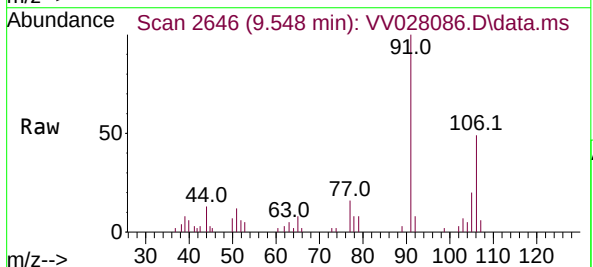
Acq: 23 Sep 2022 02:22

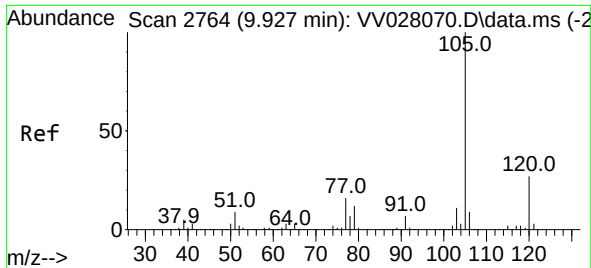
Tgt Ion:106 Resp: 3837

Ion Ratio Lower Upper

106 100

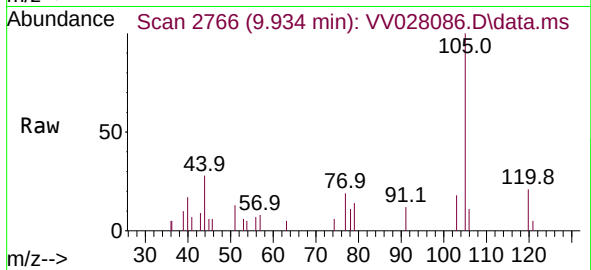
91 205.6 148.1 275.0



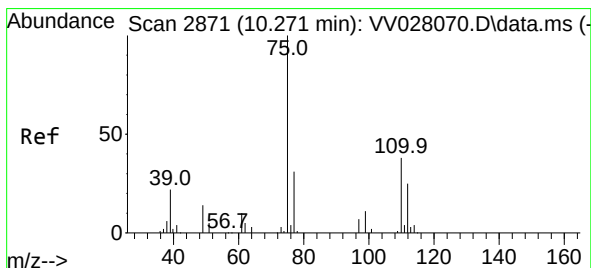
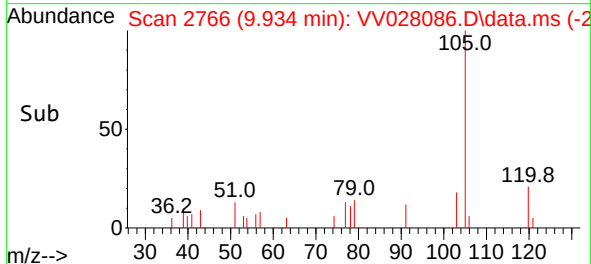
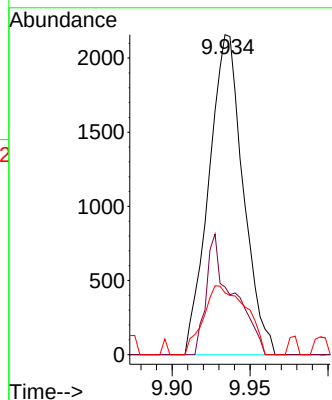


#60
Isopropylbenzene
Concen: 0.069 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV028086.D
Acq: 23 Sep 2022 02:22

Instrument :
MSVOA_V
ClientSampleId :

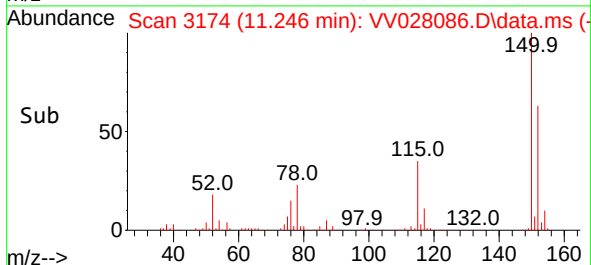
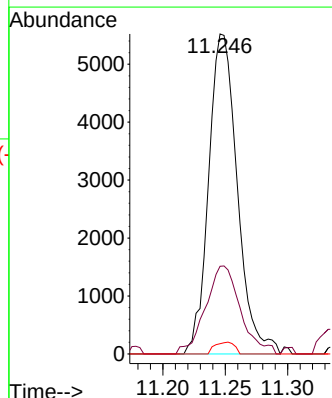
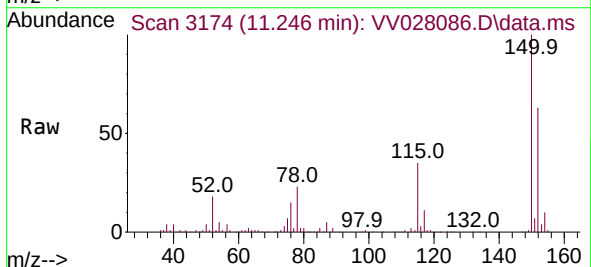


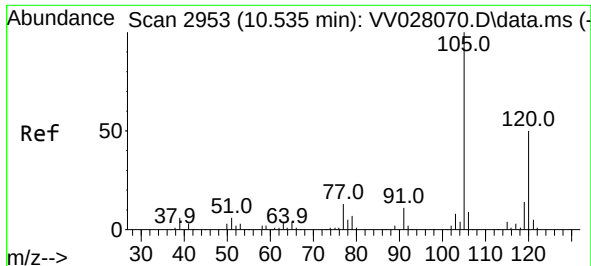
Tgt Ion:105 Resp: 3303
Ion Ratio Lower Upper
105 100
120 29.2 21.4 32.0
77 0.0 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 1.291 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV028086.D
Acq: 23 Sep 2022 02:22

Tgt Ion: 75 Resp: 8853
Ion Ratio Lower Upper
75 100
77 33.4 26.7 40.1
110 2.5 30.1 45.1#





#62

1,3,5-Trimethylbenzene

Concen: 0.820 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.380 min

Lab File: VV028086.D

Acq: 23 Sep 2022 02:22

Instrument :

MSVOA_V

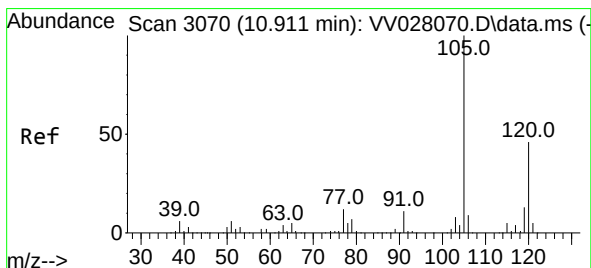
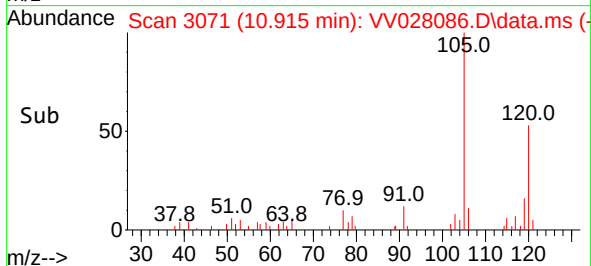
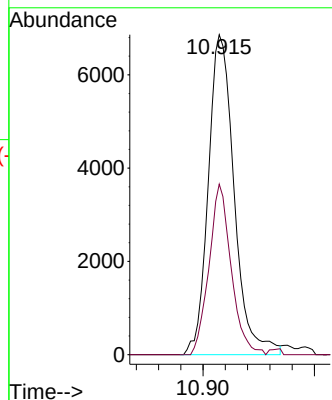
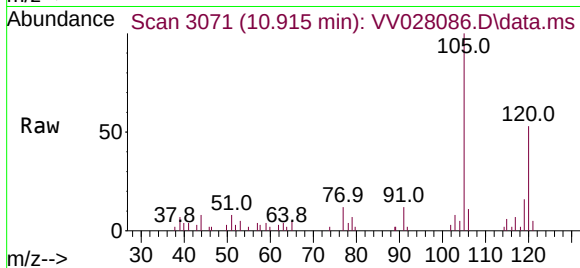
ClientSampleId :

Tgt Ion:105 Resp: 11078

Ion Ratio Lower Upper

105 100

120 45.5 40.6 61.0



#63

1,2,4-Trimethylbenzene

Concen: 0.293 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV028086.D

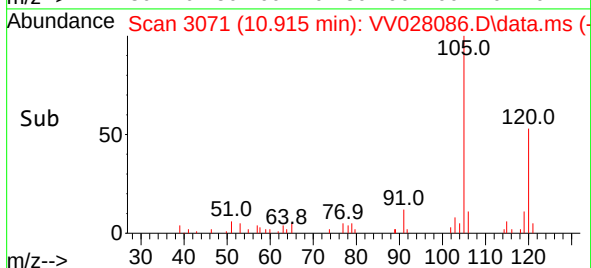
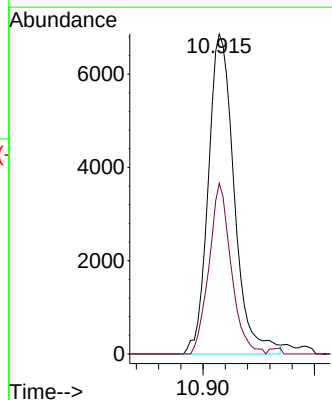
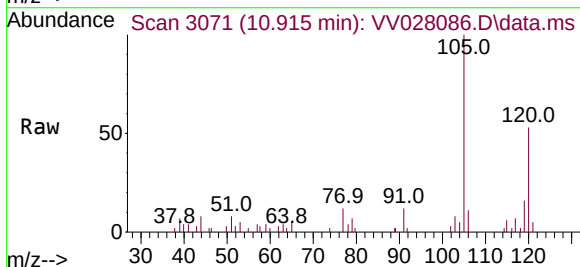
Acq: 23 Sep 2022 02:22

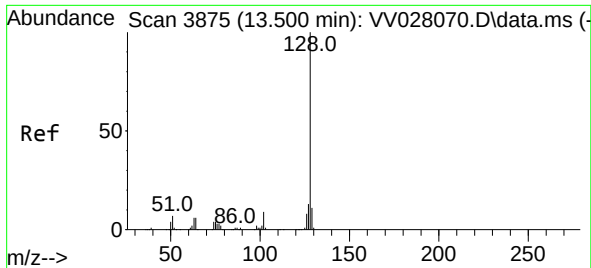
Tgt Ion:105 Resp: 11078

Ion Ratio Lower Upper

105 100

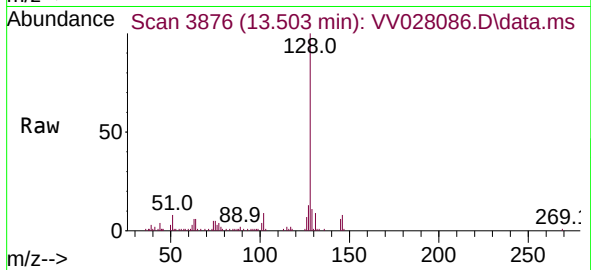
120 45.5 37.8 56.8





#71
Naphthalene
Concen: 1.167 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.003 min
Lab File: VV028086.D
Acq: 23 Sep 2022 02:22

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	28890
Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.2	12.2#
127	13.8	10.4	15.6

