

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111721\
 Data File : VW023583.D
 Acq On : 17 Nov 2021 20:35
 Operator : SY/MD
 Sample : M4627-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4667

Quant Time: Nov 18 00:24:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 00:20:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	101351	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	97751	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	51499	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	38909	6.128	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.600%
7) Chloroethane-d5	1.564	69	29851	5.769	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.400%
11) 1,1-Dichloroethene-d2	2.108	63	50270	4.229	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.600%
20) 2-Butanone-d5	3.883	46	78575	71.833	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	143.660%#
24) Chloroform-d	4.349	84	63039	4.659	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.034	65	33075	5.436	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.800%
32) Benzene-d6	5.050	84	124073	4.947	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.069	67	38732	5.246	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.000%
41) Toluene-d8	7.317	98	109879	4.675	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	7.625	79	14950	5.340	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.800%
46) 2-Hexanone-d5	8.088	63	65970	64.046	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.100%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31646	5.960	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	44940	5.241	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.339	85	1473	0.149	ug/L	98
3) Chloromethane	1.246	50	469	0.056	ug/L #	40
5) Vinyl chloride	1.310	62	4030	0.480	ug/L #	1
8) Chloroethane	1.436	64	134280	27.728	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	666	0.105	ug/L #	1
13) Acetone	2.172	43	4205	6.291	ug/L	100
14) Carbon disulfide	2.298	76	5315	0.233	ug/L #	90
15) Methyl Acetate	2.433	43	2009	1.062	ug/L #	47
17) Methyl tert-butyl Ether	2.777	73	2006	0.151	ug/L #	1
18) trans-1,2-Dichloroethene	2.761	96	8085	1.088	ug/L	94
19) 1,1-Dichloroethane	3.195	63	5808	0.463	ug/L	95
22) cis-1,2-Dichloroethene	3.912	96	1093	0.153	ug/L #	88
30) Cyclohexane	4.674	56	1176	0.111	ug/L #	91
33) Benzene	5.101	78	68472	2.506	ug/L	100
34) Trichloroethene	5.924	95	656	0.090	ug/L	90
37) 1,2-Dichloropropane	6.069	63	4552	0.714	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	1162	0.127	ug/L #	49
42) Toluene	7.387	91	231302	7.915	ug/L	98
48) 2-Hexanone	8.088	43	7958	3.839	ug/L #	71

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 ALS Vial : 20 Sample Multiplier: 1

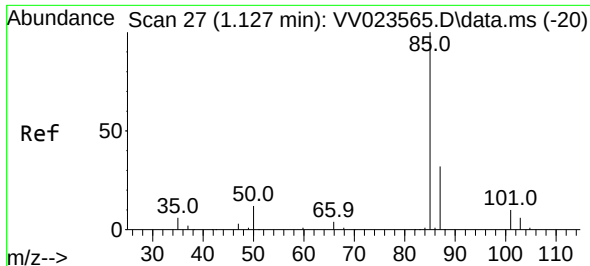
Instrument :
 MSVOA_V
 ClientSampleId :
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Quant Time: Nov 18 00:24:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

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

51) Chlorobenzene	8.886	112	4134	0.213	ug/L	96
52) Ethylbenzene	9.014	91	71012	2.304	ug/L	100
53) m,p-xylene	9.140	106	51513	4.259	ug/L	95
54) o-xylene	9.545	106	24444	2.154	ug/L	95
55) Styrene	9.542	104	1853	0.095	ug/L #	1
60) Isopropylbenzene	9.934	105	6049	0.205	ug/L #	93
61) 1,2,3-Trichloropropane	10.018	75	482	0.141	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	3833	0.156	ug/L	100
63) 1,2,4-Trimethylbenzene	10.918	105	10832	0.444	ug/L	98
71) Naphthalene	13.513	128	3783	0.271	ug/L	98

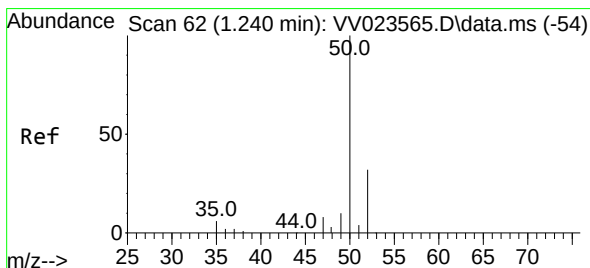
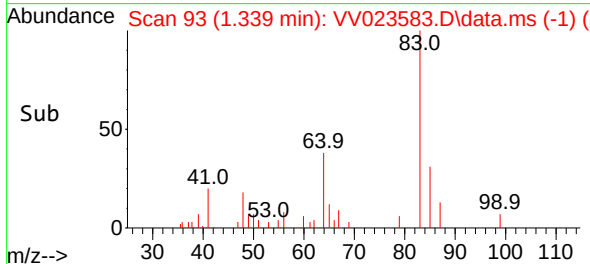
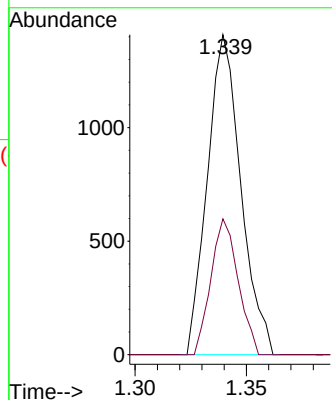
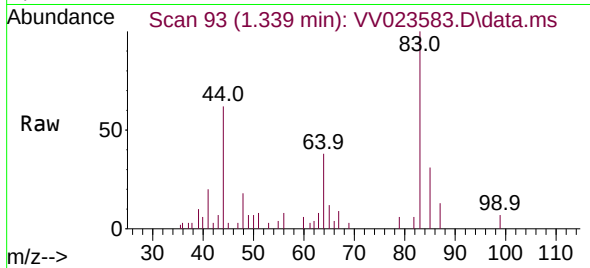
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.149 ug/L
 RT: 1.339 min Scan# 91
 Delta R.T. 0.212 min
 Lab File: VV023583.D
 Acq: 17 Nov 2021 20:35

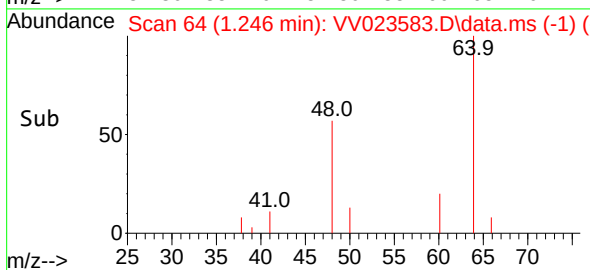
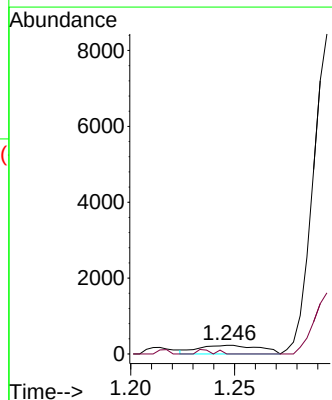
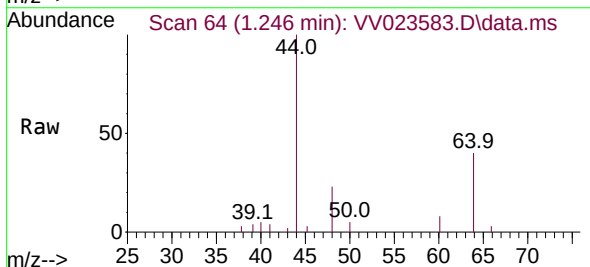
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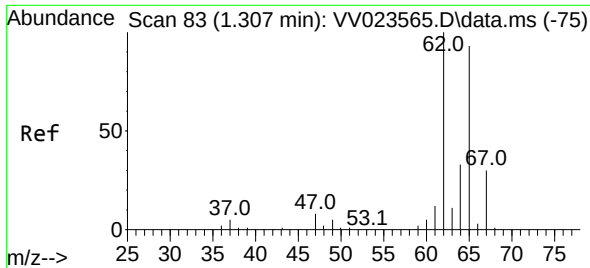
Tgt Ion: 85 Resp: 1473
 Ion Ratio Lower Upper
 85 100
 87 34.5 26.6 39.8



#3
 Chloromethane
 Concen: 0.056 ug/L
 RT: 1.246 min Scan# 64
 Delta R.T. 0.007 min
 Lab File: VV023583.D
 Acq: 17 Nov 2021 20:35

Tgt Ion: 50 Resp: 469
 Ion Ratio Lower Upper
 50 100
 52 0.0 24.3 45.1#

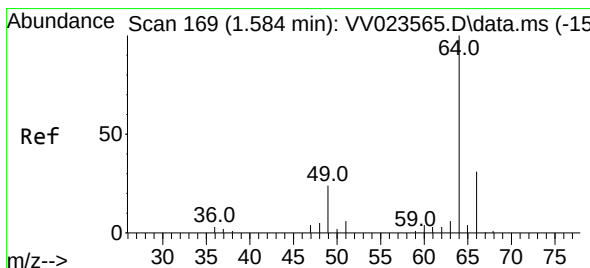
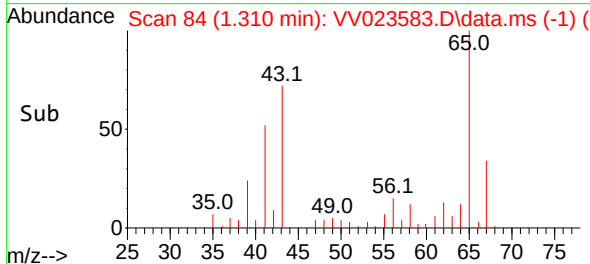
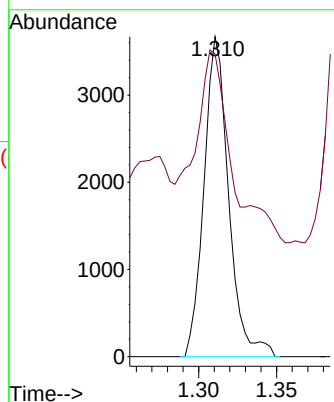
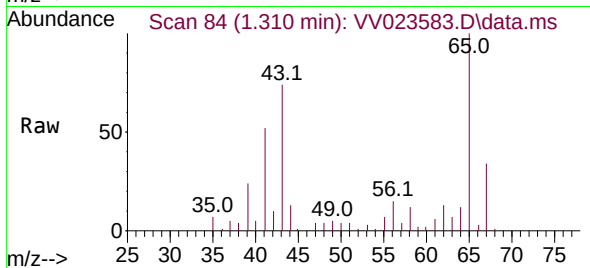




#5
 Vinyl chloride
 Concen: 0.480 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023583.D
 Acq: 17 Nov 2021 20:35

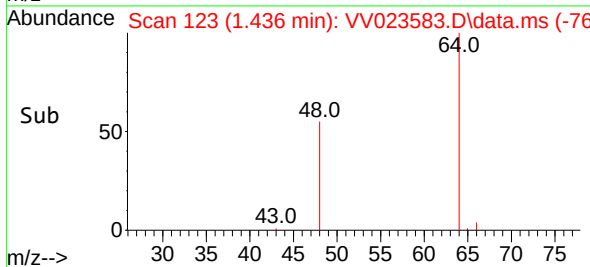
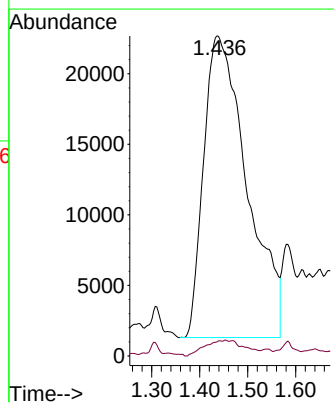
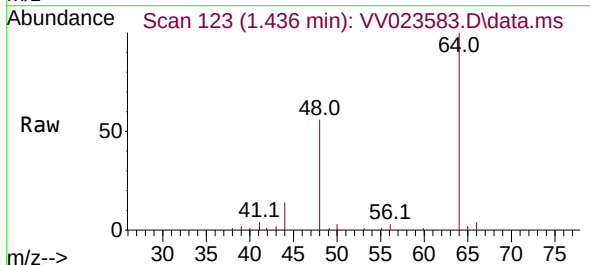
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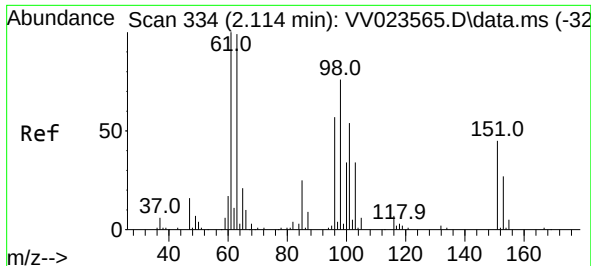
Tgt Ion: 62 Resp: 4030
 Ion Ratio Lower Upper
 62 100
 64 94.6 23.1 42.9#



#8
 Chloroethane
 Concen: 27.728 ug/L
 RT: 1.436 min Scan# 123
 Delta R.T. -0.148 min
 Lab File: VV023583.D
 Acq: 17 Nov 2021 20:35

Tgt Ion: 64 Resp: 134280
 Ion Ratio Lower Upper
 64 100
 66 4.4 22.1 41.1#

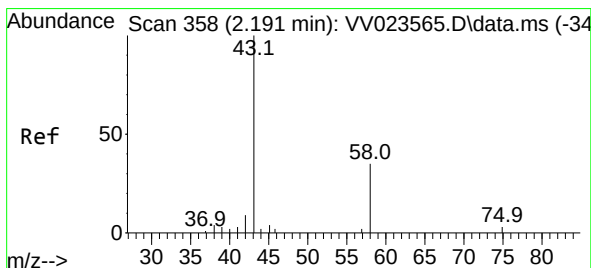
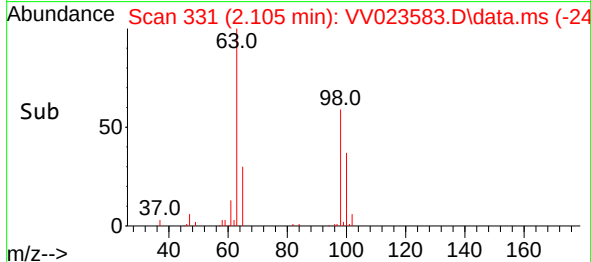
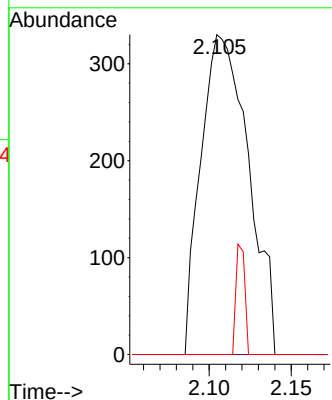
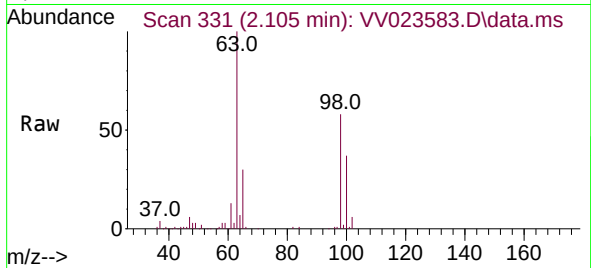




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.105 ug/L
RT: 2.105 min Scan# 31
Delta R.T. -0.010 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

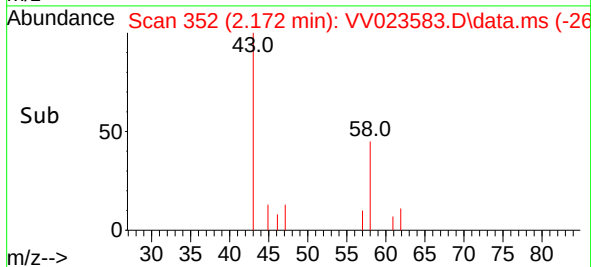
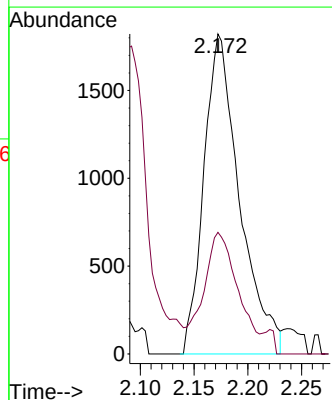
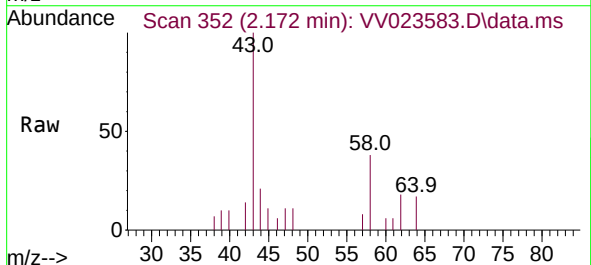
Instrument :
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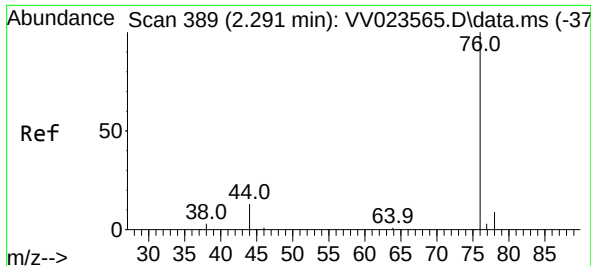
Tgt Ion:101 Resp: 666
Ion Ratio Lower Upper
101 100
85 243.8 35.3 52.9#
151 6.3 62.2 93.2#



#13
Acetone
Concen: 6.291 ug/L
RT: 2.172 min Scan# 352
Delta R.T. -0.019 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

Tgt Ion: 43 Resp: 4205
Ion Ratio Lower Upper
43 100
58 27.5 0.0 55.4

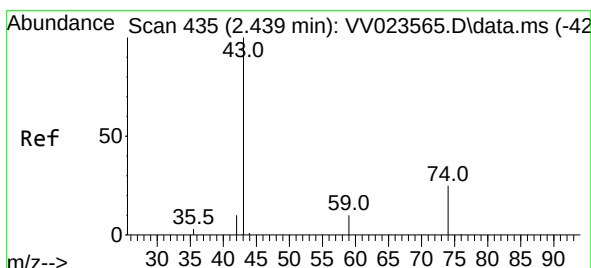
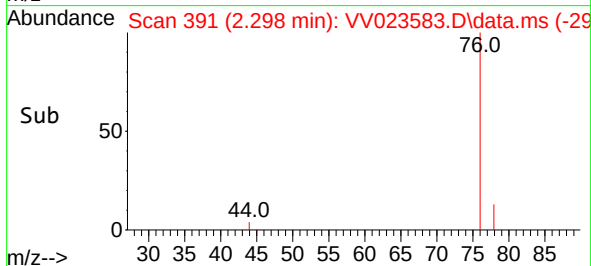
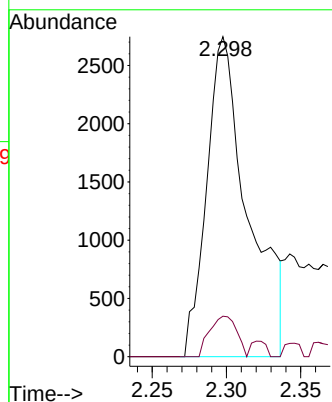
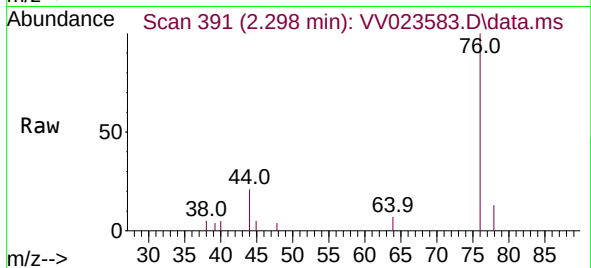




#14
Carbon disulfide
Concen: 0.233 ug/L
RT: 2.298 min Scan# 389
Delta R.T. 0.007 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

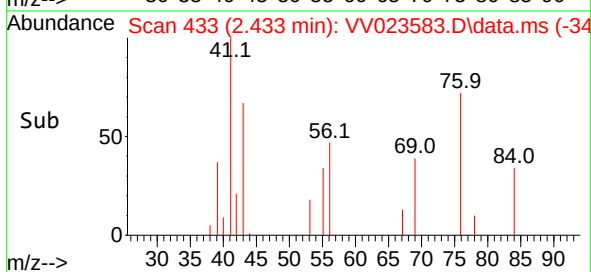
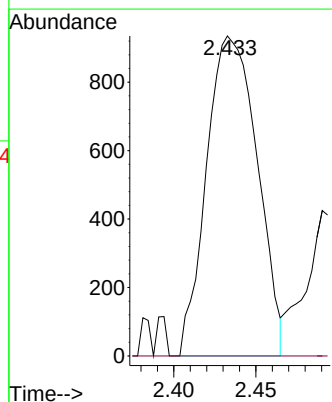
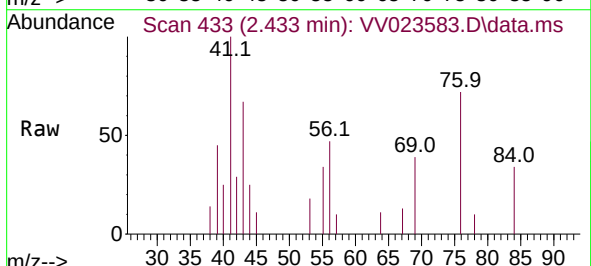
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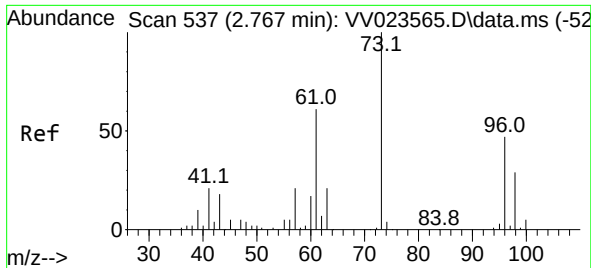
Tgt Ion: 76 Resp: 5315
Ion Ratio Lower Upper
76 100
78 12.7 7.2 10.8#



#15
Methyl Acetate
Concen: 1.062 ug/L
RT: 2.433 min Scan# 433
Delta R.T. -0.006 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

Tgt Ion: 43 Resp: 2009
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#

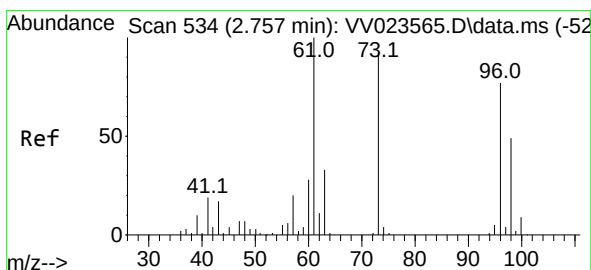
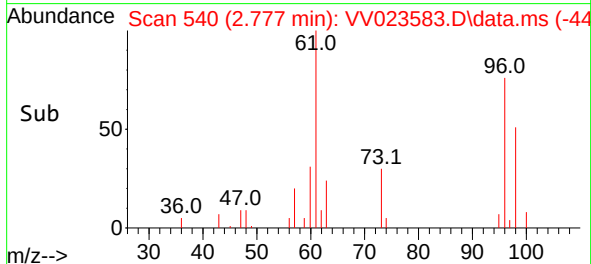
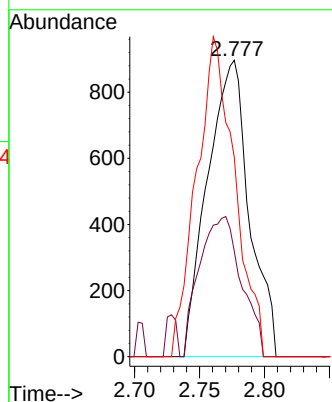
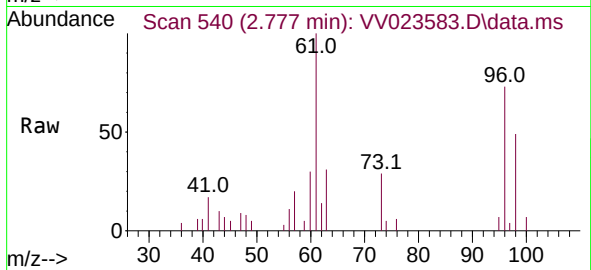




#17
Methyl tert-butyl Ether
Concen: 0.151 ug/L
RT: 2.777 min Scan# 54
Delta R.T. 0.010 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

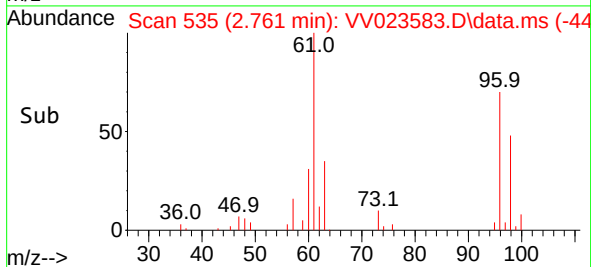
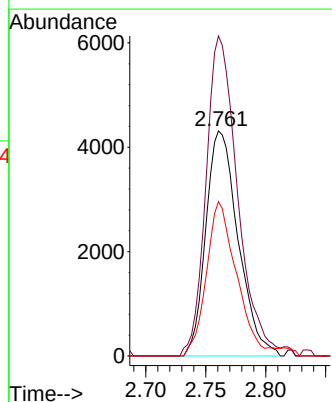
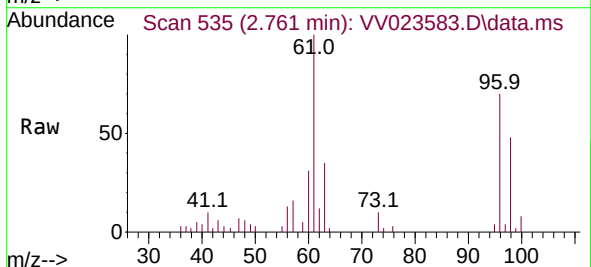
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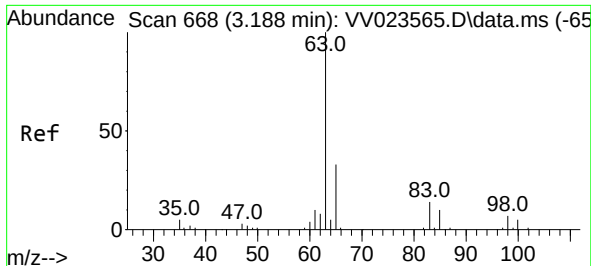
Tgt Ion: 73 Resp: 2006
Ion Ratio Lower Upper
73 100
43 47.7 17.4 26.0#
57 98.8 16.5 24.7#



#18
trans-1,2-Dichloroethene
Concen: 1.088 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

Tgt Ion: 96 Resp: 8085
Ion Ratio Lower Upper
96 100
61 142.2 93.2 173.2
98 68.5 47.0 87.2





#19

1,1-Dichloroethane

Concen: 0.463 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.007 min

Lab File: VV023583.D

Acq: 17 Nov 2021 20:35

Instrument :

MSVOA_V

ClientSampleId :

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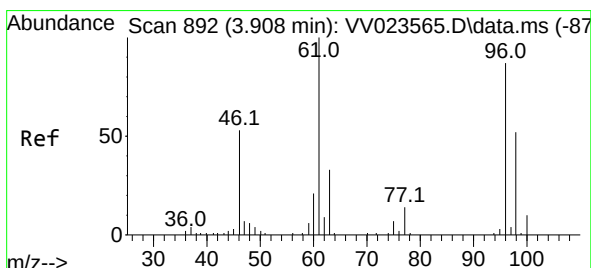
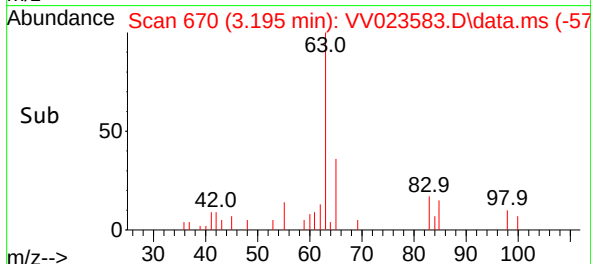
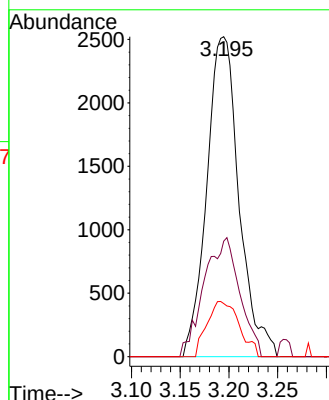
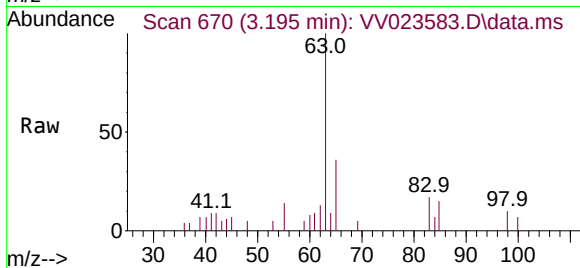
Tgt Ion: 63 Resp: 5808

Ion Ratio Lower Upper

63 100

65 36.1 22.6 42.0

83 16.6 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 0.153 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV023583.D

Acq: 17 Nov 2021 20:35

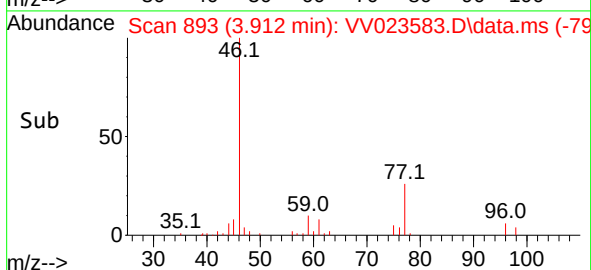
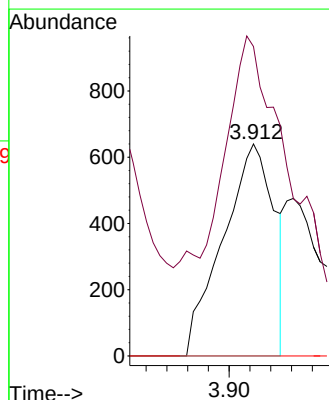
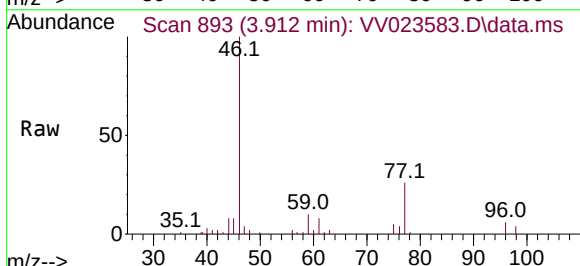
Tgt Ion: 96 Resp: 1093

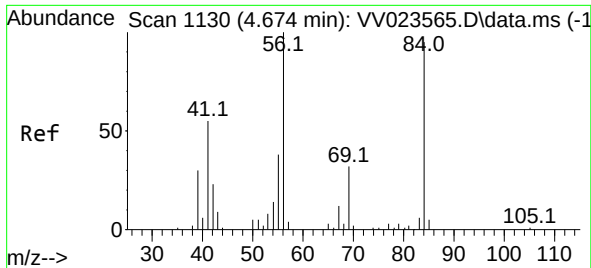
Ion Ratio Lower Upper

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61 145.9 92.3 171.3

68 0.0 0.4 0.8#

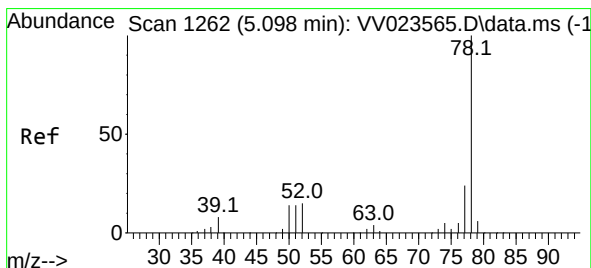
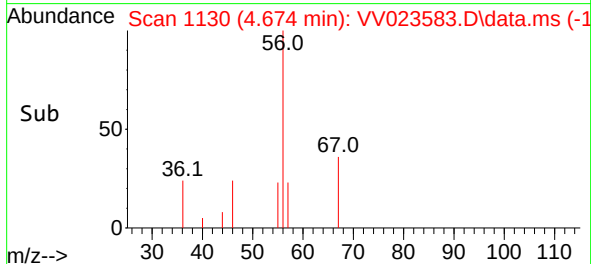
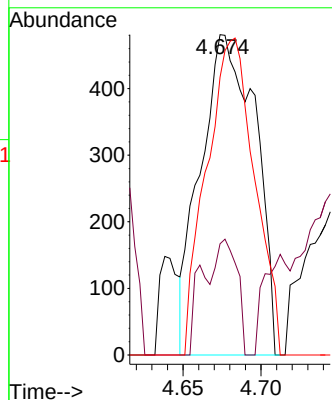
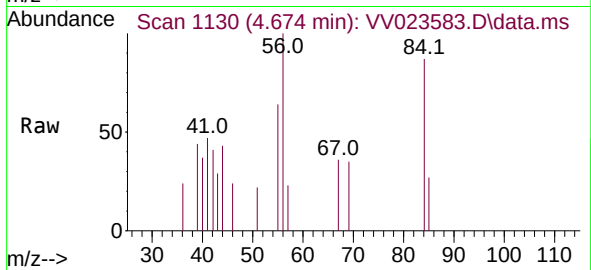




#30
Cyclohexane
Concen: 0.111 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

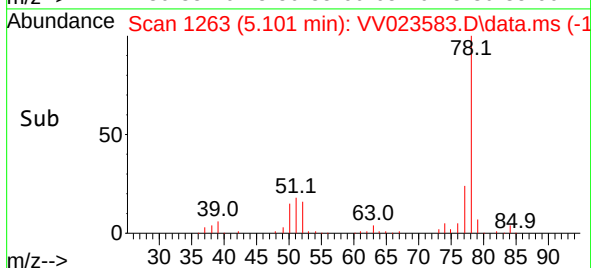
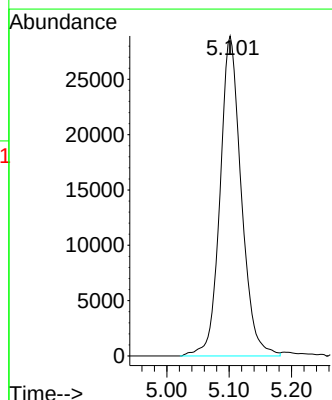
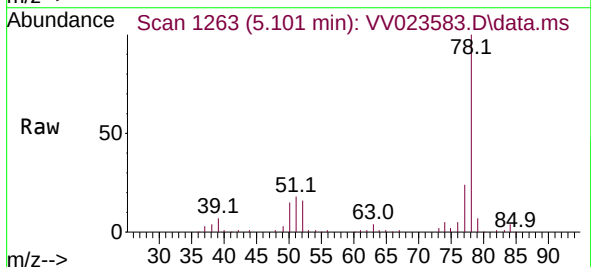
Instrument :
MSVOA_V
ClientSampleId :
H4667

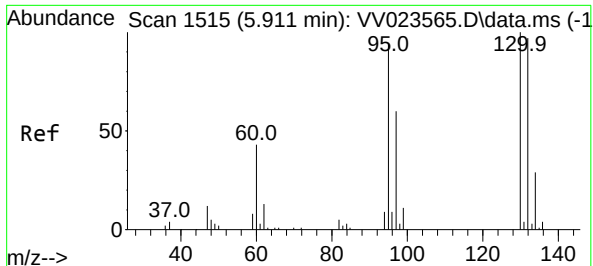
Tgt Ion: 56 Resp: 1176
Ion Ratio Lower Upper
56 100
69 14.5 23.5 35.3#
84 86.6 71.6 107.4



#33
Benzene
Concen: 2.506 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

Tgt Ion: 78 Resp: 68472

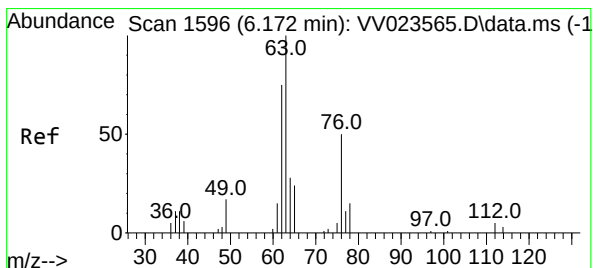
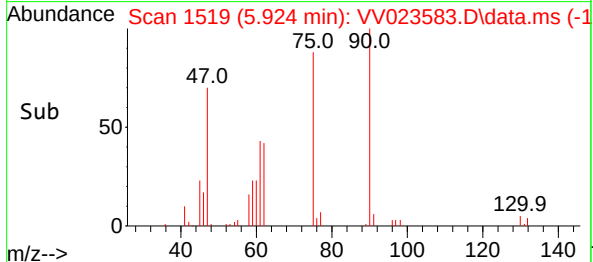
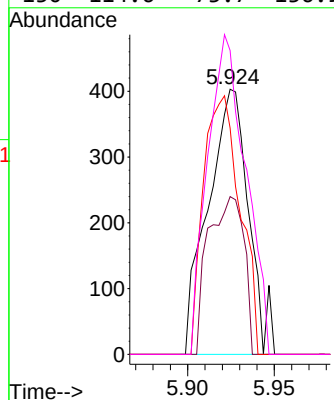
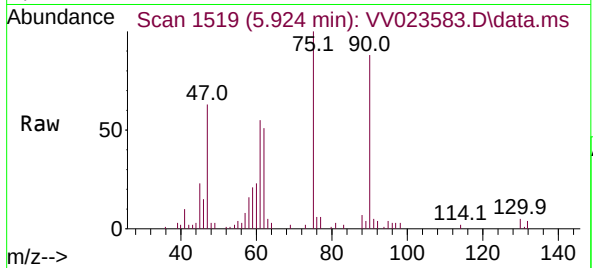




#34
 Trichloroethene
 Concen: 0.090 ug/L
 RT: 5.924 min Scan# 11
 Delta R.T. 0.013 min
 Lab File: VV023583.D
 Acq: 17 Nov 2021 20:35

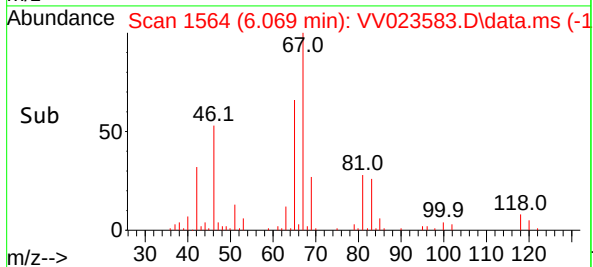
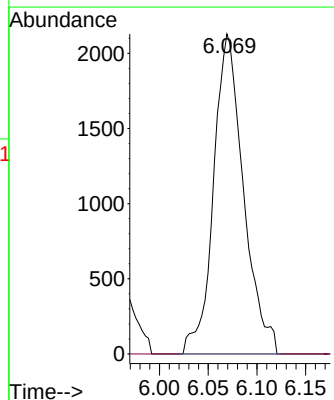
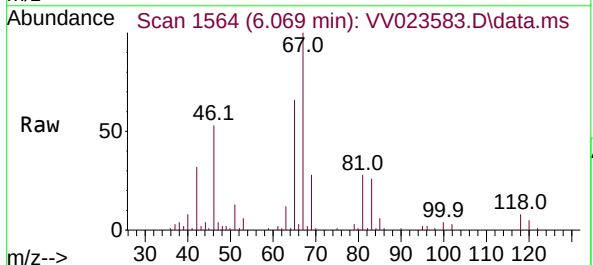
Instrument :
 MSVOA_V
 ClientSampleId :
 H4667

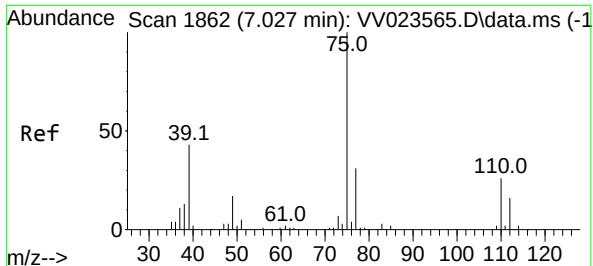
Tgt Ion: 95	Resp: 656
Ion Ratio	Lower Upper
95	100
97	59.6 45.0 83.6
132	85.4 69.7 129.4
130	114.6 73.7 136.9



#37
 1,2-Dichloropropane
 Concen: 0.714 ug/L
 RT: 6.069 min Scan# 1564
 Delta R.T. -0.103 min
 Lab File: VV023583.D
 Acq: 17 Nov 2021 20:35

Tgt Ion: 63	Resp: 4552
Ion Ratio	Lower Upper
63	100
112	1.1 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.127 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV023583.D

Acq: 17 Nov 2021 20:35

Instrument :

MSVOA_V

ClientSampleId :

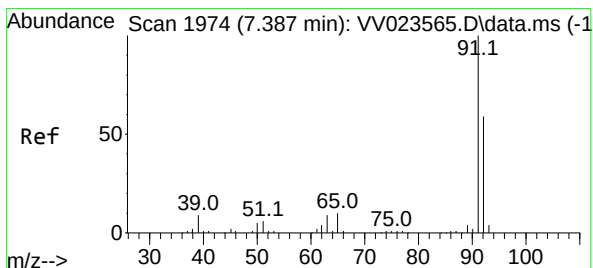
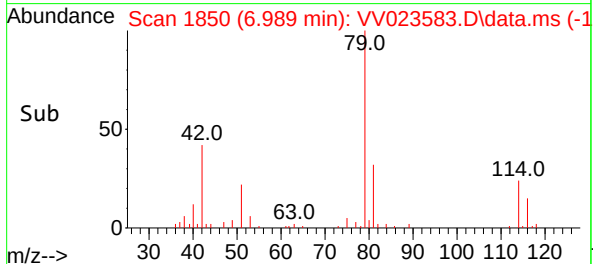
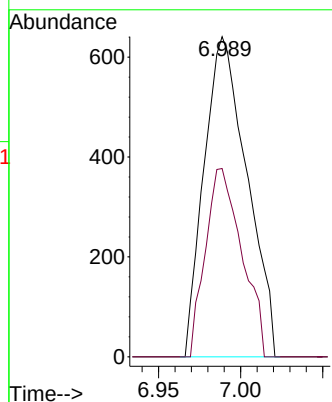
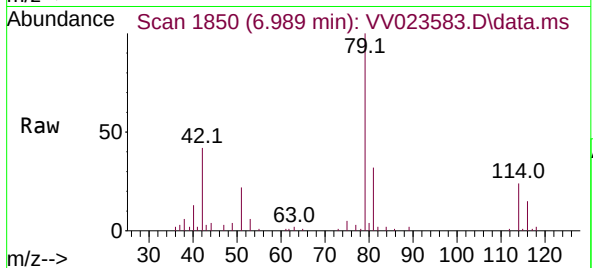
H4667

Tgt Ion: 75 Resp: 1162

Ion Ratio Lower Upper

75 100

77 58.8 21.6 40.2#



#42

Toluene

Concen: 7.915 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV023583.D

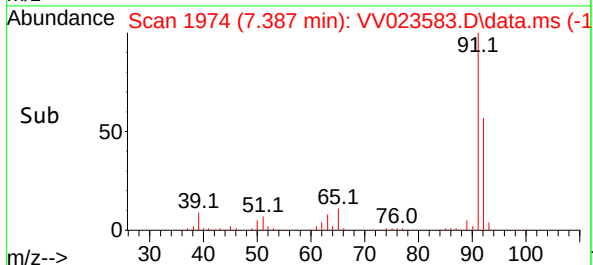
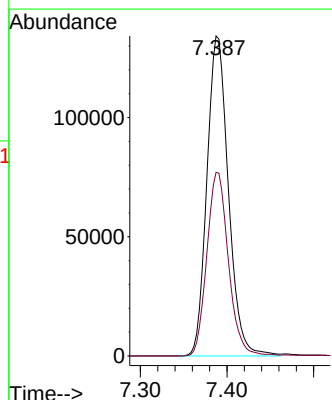
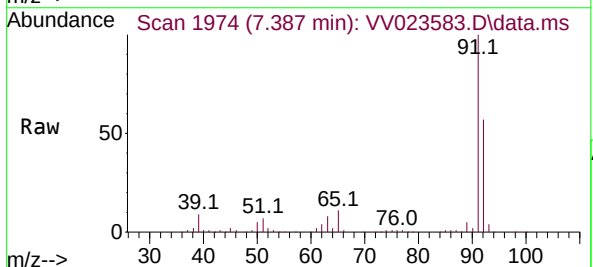
Acq: 17 Nov 2021 20:35

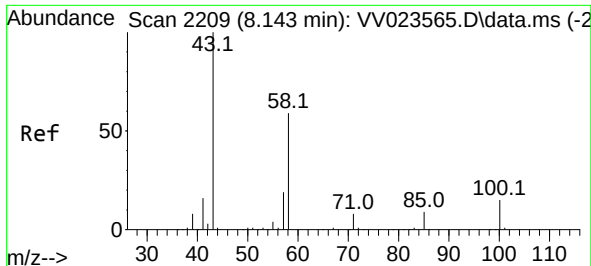
Tgt Ion: 91 Resp: 231302

Ion Ratio Lower Upper

91 100

92 57.4 39.3 72.9

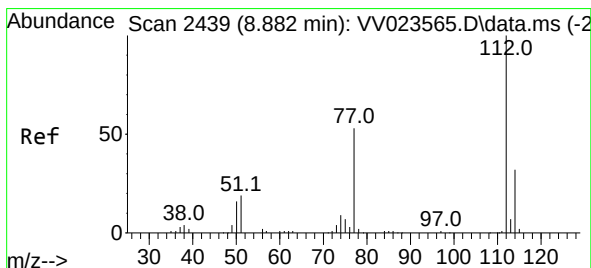
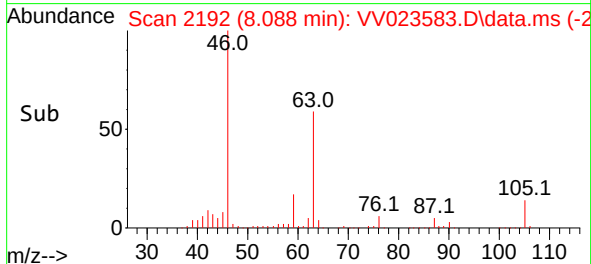
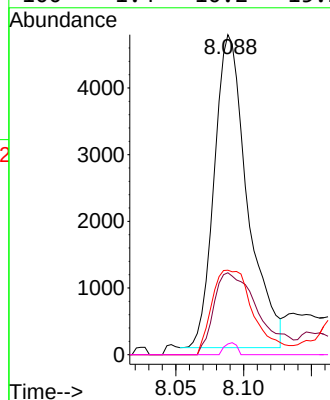
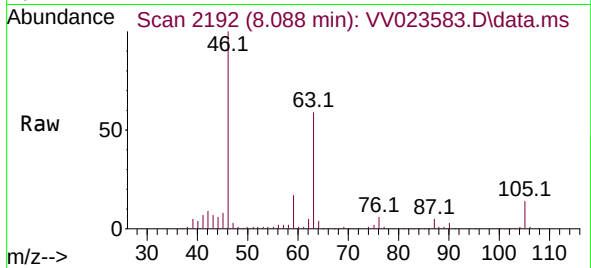




#48
2-Hexanone
Concen: 3.839 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. -0.055 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

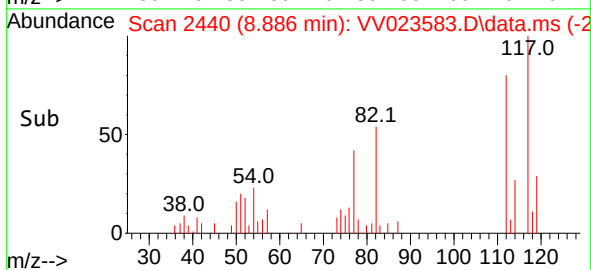
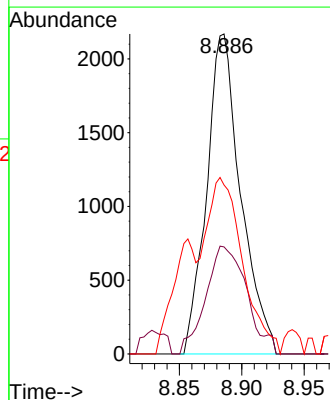
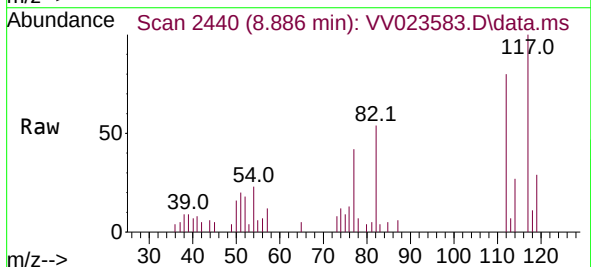
Instrument :
MSVOA_V
ClientSampleId :
H4667

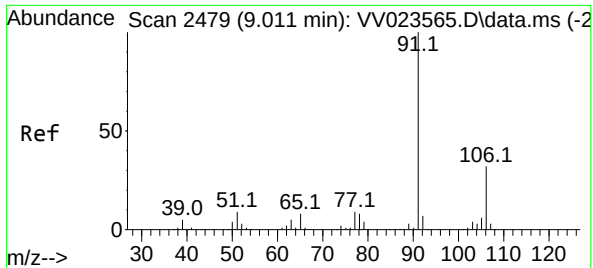
Tgt Ion: 43	Resp: 7958
Ion Ratio	Lower Upper
43 100	
58 35.7	43.7 65.5#
57 34.4	14.1 21.1#
100 1.4	10.2 15.2#



#51
Chlorobenzene
Concen: 0.213 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.003 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

Tgt Ion:112	Resp: 4134		
Ion Ratio	Lower	Upper	
112 100			
114 33.5	22.0	40.8	
77 52.8	44.4	66.6	





#52

Ethylbenzene

Concen: 2.304 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV023583.D

Acq: 17 Nov 2021 20:35

Instrument :

MSVOA_V

ClientSampleId :

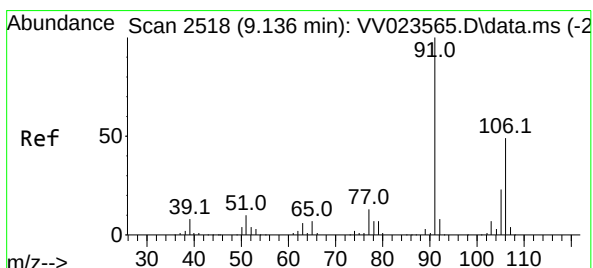
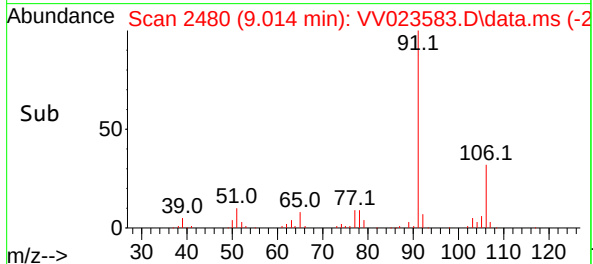
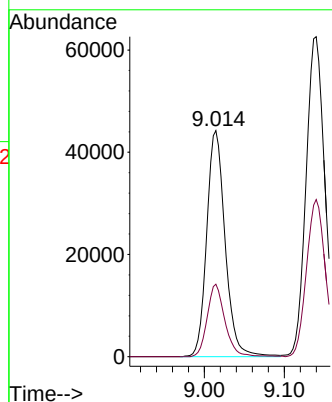
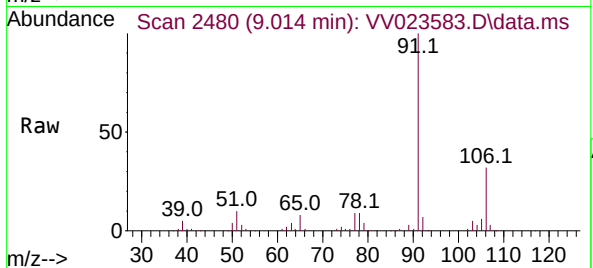
H4667

Tgt Ion: 91 Resp: 71012

Ion Ratio Lower Upper

91 100

106 32.0 22.5 41.9



#53

m,p-xylene

Concen: 4.259 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV023583.D

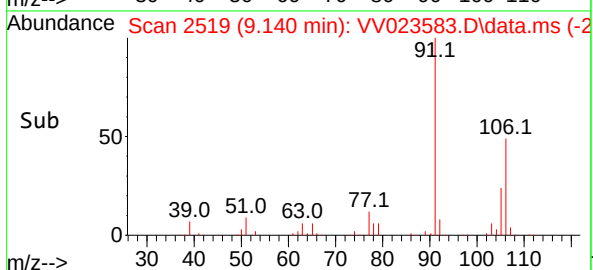
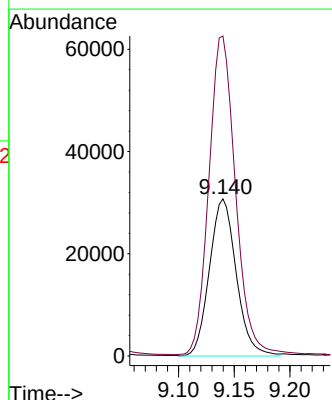
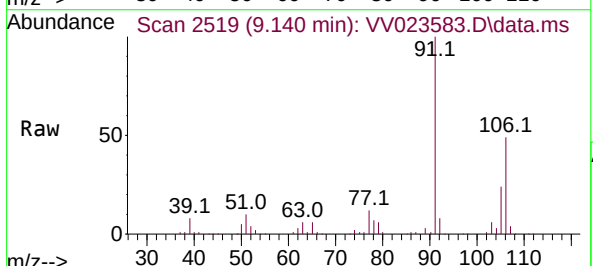
Acq: 17 Nov 2021 20:35

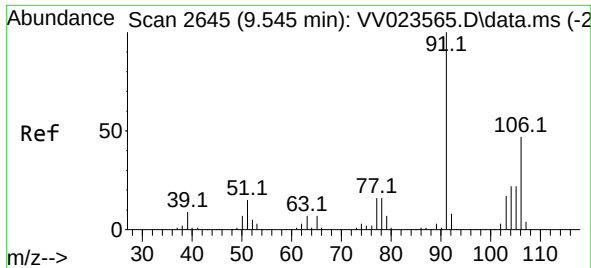
Tgt Ion: 106 Resp: 51513

Ion Ratio Lower Upper

106 100

91 203.6 137.2 254.8

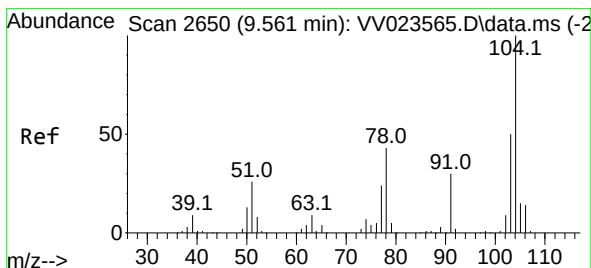
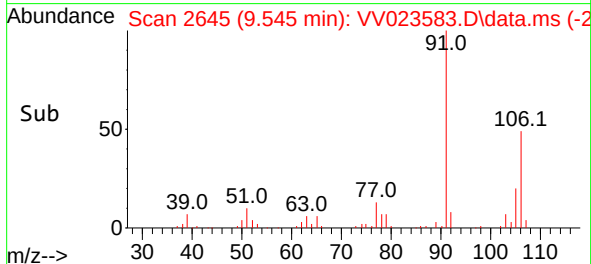
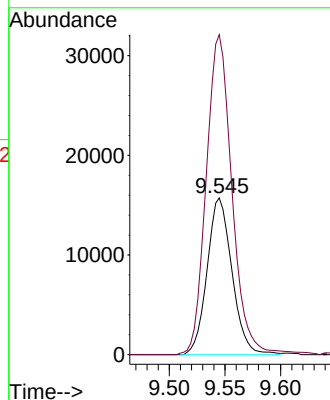
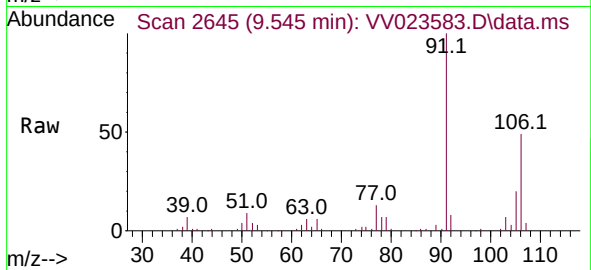




#54
o-xylene
Concen: 2.154 ug/L
RT: 9.545 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

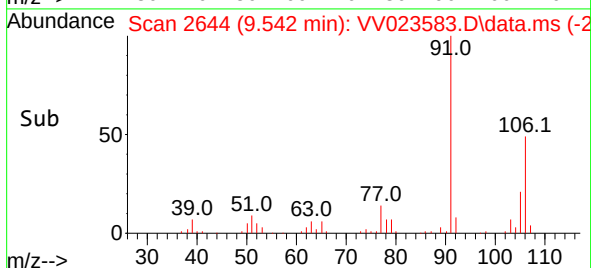
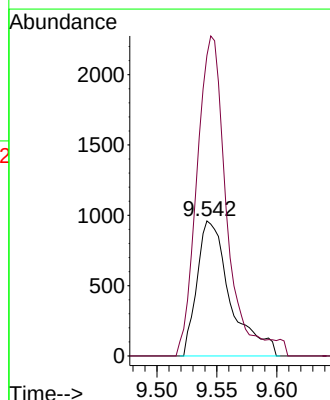
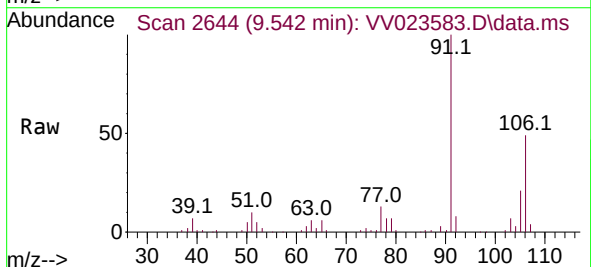
Instrument :
MSVOA_V
ClientSampleId :
H4667

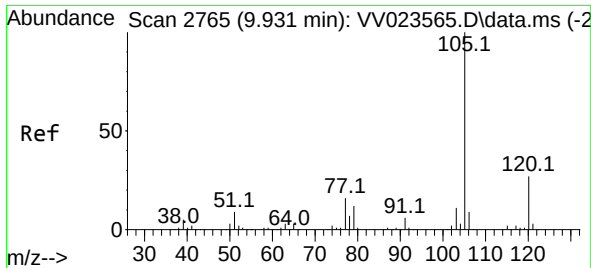
Tgt Ion:106 Resp: 24444
Ion Ratio Lower Upper
106 100
91 204.1 148.3 275.5



#55
Styrene
Concen: 0.095 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.019 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

Tgt Ion:104 Resp: 1853
Ion Ratio Lower Upper
104 100
78 222.5 29.3 54.3#

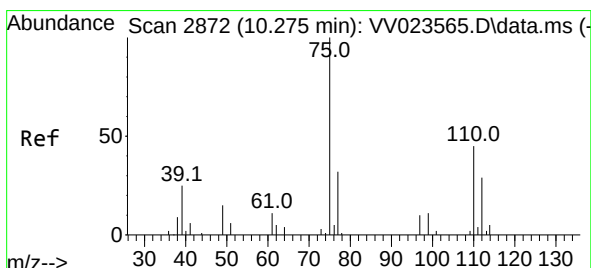
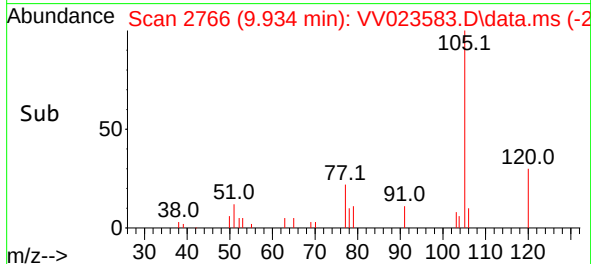
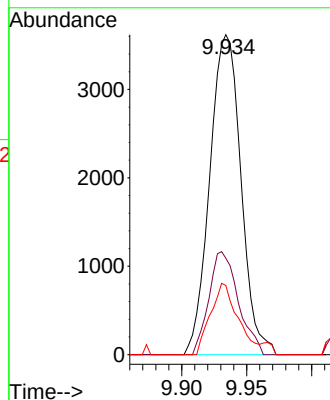
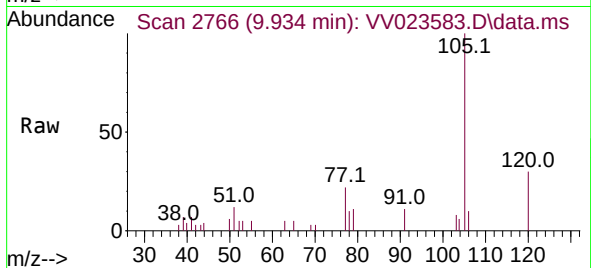




#60
Isopropylbenzene
Concen: 0.205 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

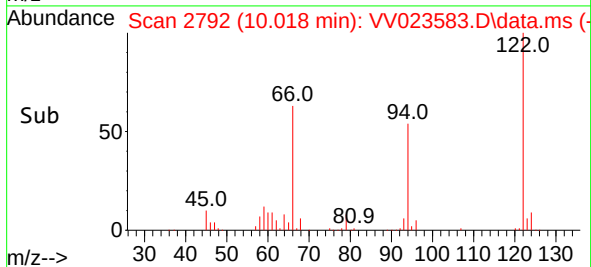
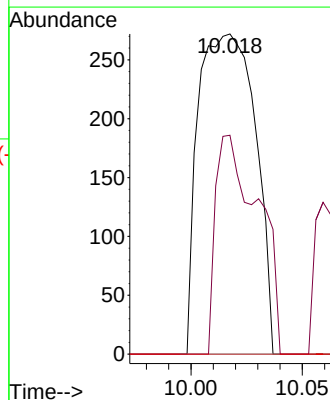
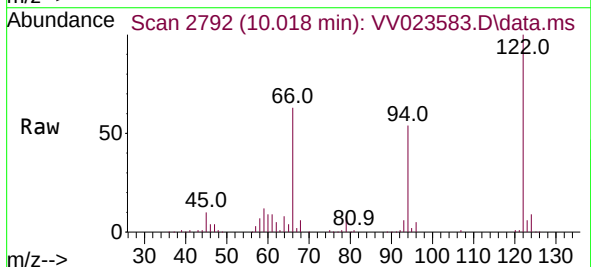
Instrument :
MSVOA_V
ClientSampleId :
H4667

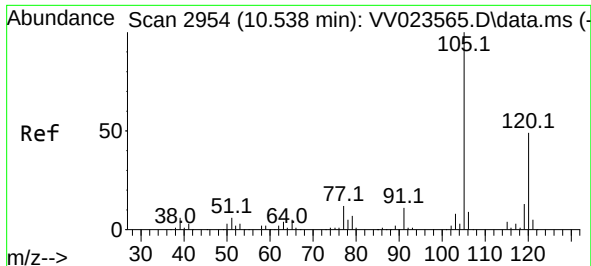
Tgt Ion:105 Resp: 6049
Ion Ratio Lower Upper
105 100
120 30.4 21.7 32.5
77 19.6 12.6 19.0#



#61
1,2,3-Trichloropropane
Concen: 0.141 ug/L
RT: 10.018 min Scan# 2792
Delta R.T. -0.257 min
Lab File: VV023583.D
Acq: 17 Nov 2021 20:35

Tgt Ion: 75 Resp: 482
Ion Ratio Lower Upper
75 100
77 246.3 26.6 39.8#
110 0.0 31.8 47.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.156 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV023583.D

Acq: 17 Nov 2021 20:35

Instrument :

MSVOA_V

ClientSampleId :

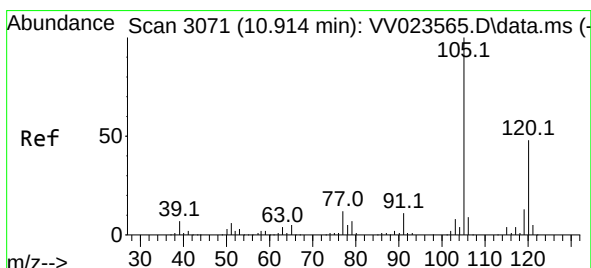
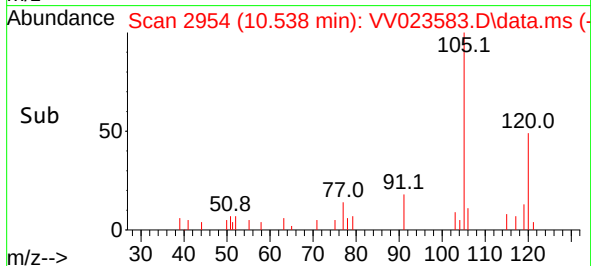
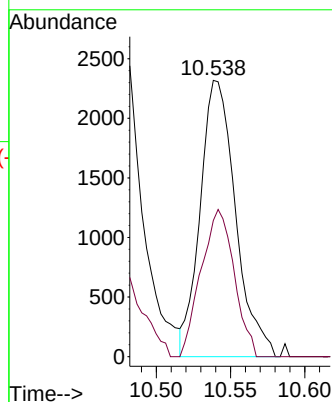
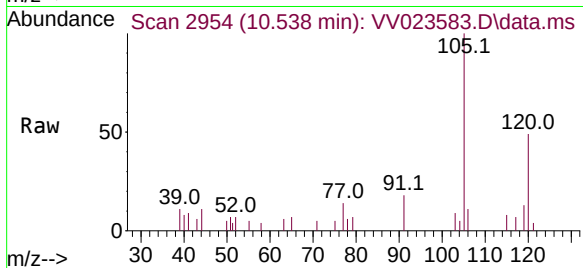
H4667

Tgt Ion:105 Resp: 3833

Ion Ratio Lower Upper

105 100

120 49.9 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 0.444 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.003 min

Lab File: VV023583.D

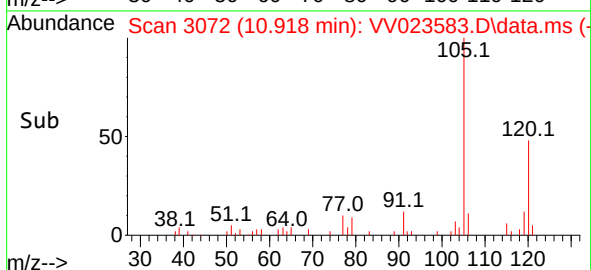
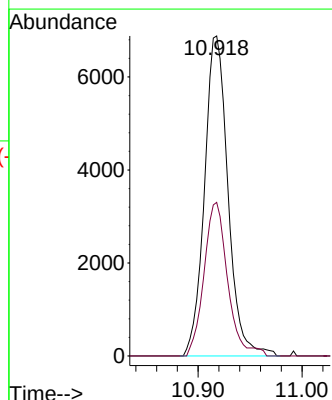
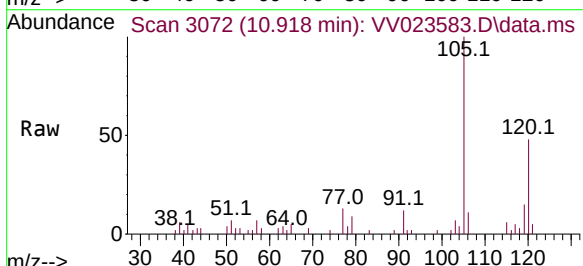
Acq: 17 Nov 2021 20:35

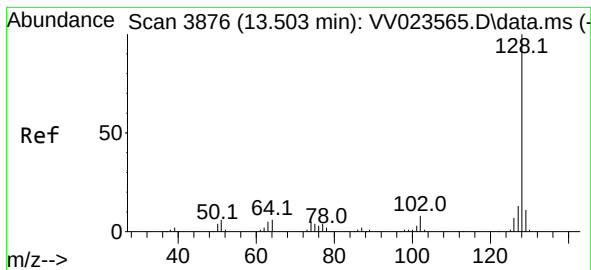
Tgt Ion:105 Resp: 10832

Ion Ratio Lower Upper

105 100

120 48.2 37.4 56.2





#71

Naphthalene

Concen: 0.271 ug/L

RT: 13.513 min Scan# 3879

Delta R.T. 0.010 min

Lab File: VV023583.D

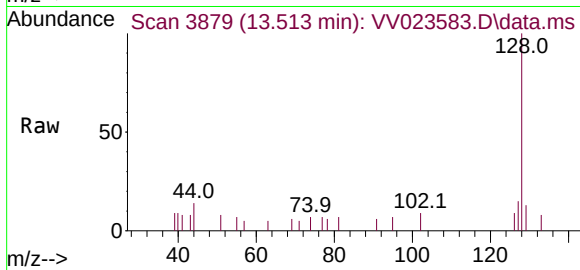
Acq: 17 Nov 2021 20:35

Instrument :

MSVOA_V

ClientSampleId :

H4667



Tgt Ion:128 Resp: 3783

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

127 12.1 10.5 15.7

