

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102621\
 Data File : VW023033.D
 Acq On : 26 Oct 2021 12:53
 Operator : SY/MD
 Sample : M4278-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 27 01:32:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 27 01:29:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	108385	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	110364	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56905	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	51844	5.474	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 109.400%		
7) Chloroethane-d5	1.568	69	29949	5.112	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 102.200%		
11) 1,1-Dichloroethene-d2	2.108	63	47041	3.443	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 68.800%		
20) 2-Butanone-d5	3.889	46	66793	43.964	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	= 87.920%		
24) Chloroform-d	4.352	84	69492	4.513	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 90.200%		
26) 1,2-Dichloroethane-d4	5.034	65	35595	4.904	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 98.000%		
32) Benzene-d6	5.053	84	139414	4.327	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 86.600%		
36) 1,2-Dichloropropane-d6	6.072	67	39402	3.972	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 79.400%		
41) Toluene-d8	7.317	98	126680	4.377	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 87.600%		
43) trans-1,3-Dichloroprop...	7.625	79	15977	4.597	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 92.000%		
46) 2-Hexanone-d5	8.092	63	52453	40.766	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 81.540%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	27869	4.069	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 81.400%		
66) 1,2-Dichlorobenzene-d4	11.625	152	55827	5.498	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 110.000%		
Target Compounds						Qvalue
3) Chloromethane	1.243	50	446	0.060	ug/L	88
5) Vinyl chloride	1.314	62	343	0.045	ug/L #	1
8) Chloroethane	1.307	64	772	0.192	ug/L #	1
12) 1,1-Dichloroethene	2.105	96	446	0.080	ug/L #	1
13) Acetone	2.179	43	11032	14.800	ug/L	98
15) Methyl Acetate	2.179	43	11032	3.891	ug/L #	47
33) Benzene	5.105	78	21288	0.717	ug/L	100
35) Methylcyclohexane	6.076	83	10534	0.986	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	4673	0.624	ug/L #	83
42) Toluene	7.391	91	207711	6.901	ug/L	100
48) 2-Hexanone	8.153	43	6885	2.632	ug/L #	86
52) Ethylbenzene	9.014	91	24586	0.823	ug/L	97
53) m,p-xylene	9.140	106	36013	3.006	ug/L	99
54) o-xylene	9.548	106	12858	1.140	ug/L	87
61) 1,2,3-Trichloropropane	9.542	75	317	0.079	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.545	105	3423	0.148	ug/L	97
63) 1,2,4-Trimethylbenzene	10.918	105	16751	0.726	ug/L	99
71) Naphthalene	13.509	128	6002	0.457	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102621\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 27 01:29:33 2021
Response via : Initial Calibration

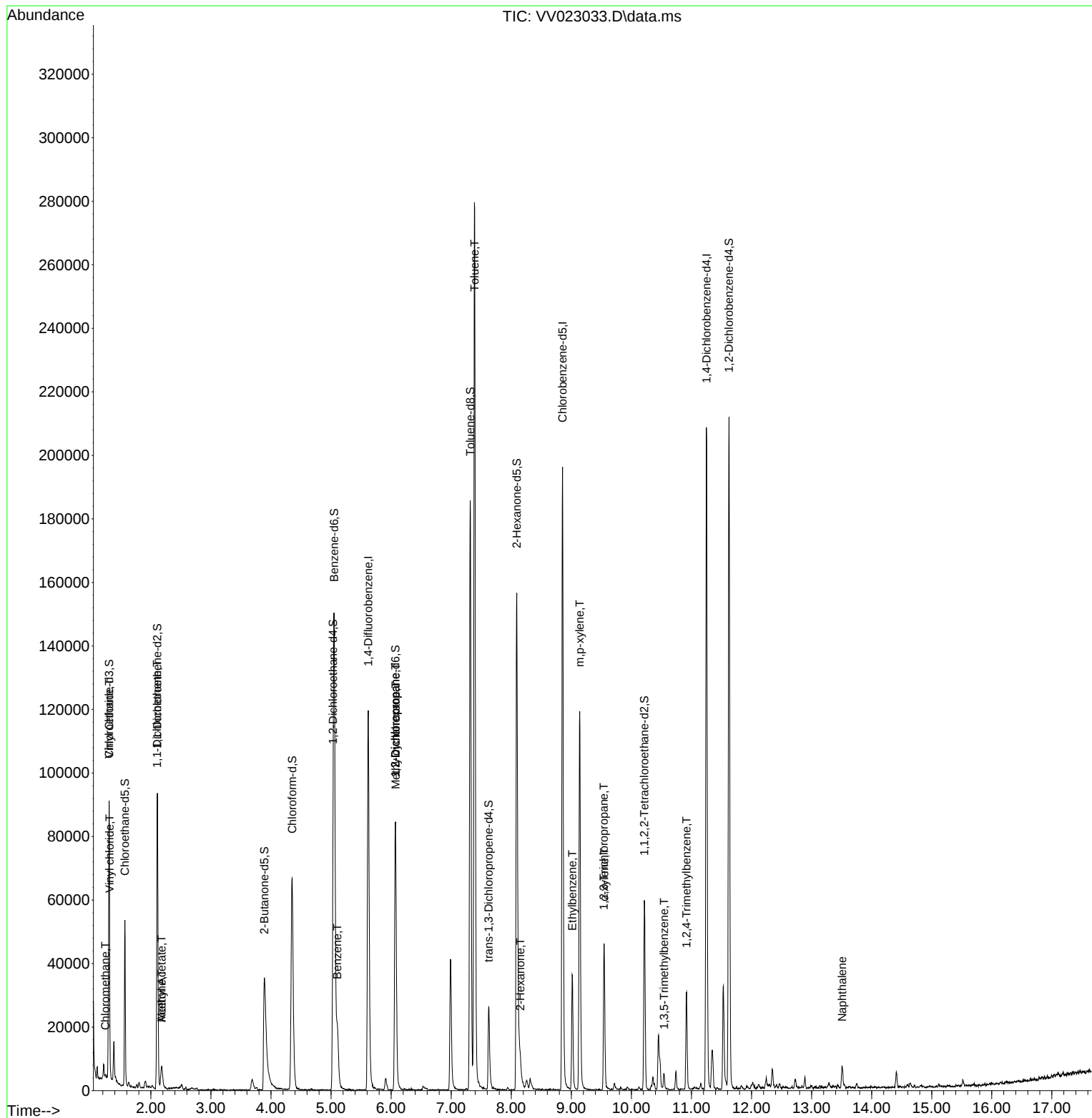
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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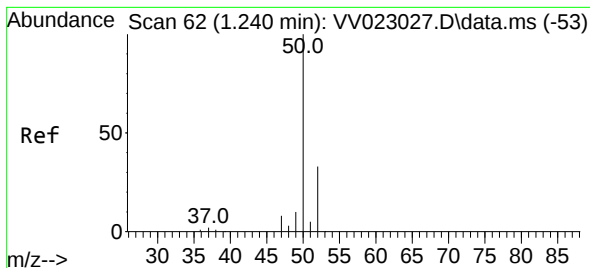
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.060 ug/L

RT: 1.243 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV023033.D

Acq: 26 Oct 2021 12:53

Instrument :

MSVOA_V

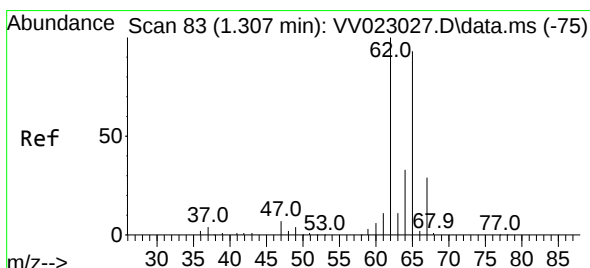
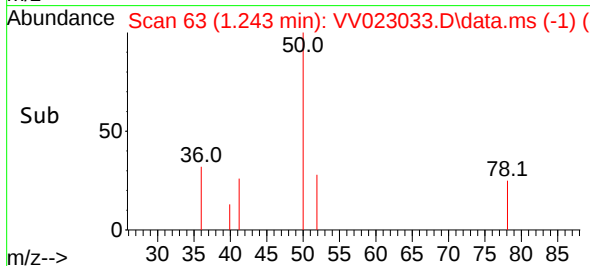
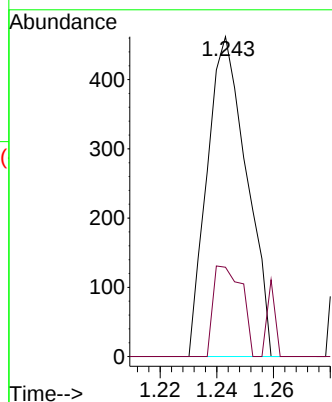
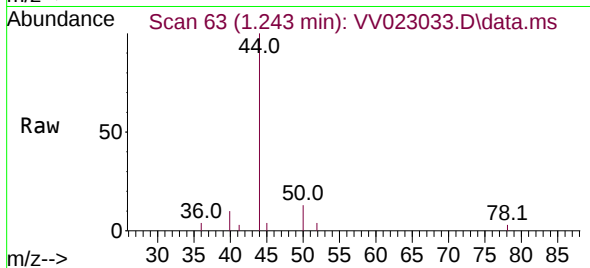
ClientSampleId :

Tgt Ion: 50 Resp: 446

Ion Ratio Lower Upper

50 100

52 27.9 24.3 45.1



#5

Vinyl chloride

Concen: 0.045 ug/L

RT: 1.314 min Scan# 85

Delta R.T. 0.006 min

Lab File: VV023033.D

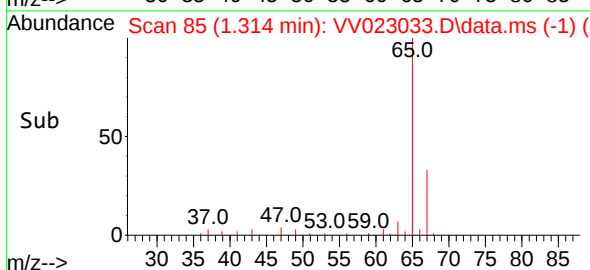
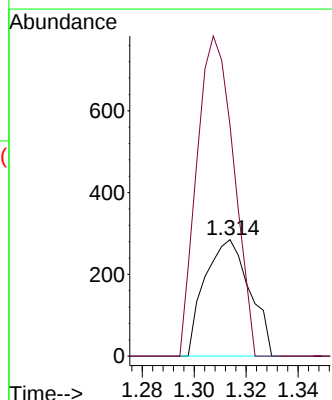
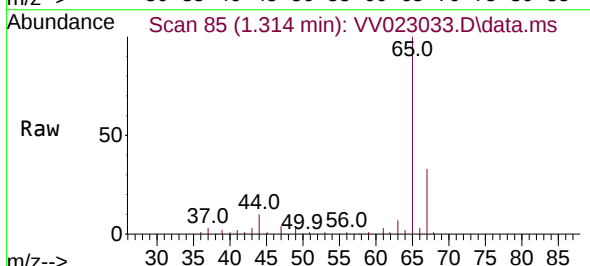
Acq: 26 Oct 2021 12:53

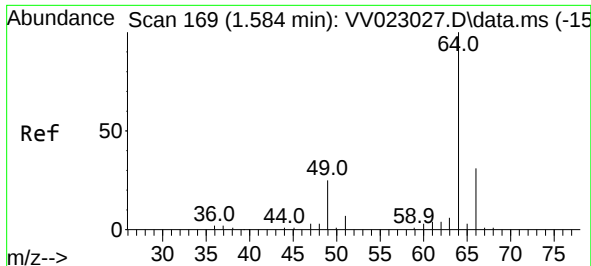
Tgt Ion: 62 Resp: 343

Ion Ratio Lower Upper

62 100

64 198.6 23.1 42.9#





#8

Chloroethane

Concen: 0.192 ug/L

RT: 1.307 min Scan# 81

Delta R.T. -0.276 min

Lab File: VV023033.D

Acq: 26 Oct 2021 12:53

Instrument :

MSVOA_V

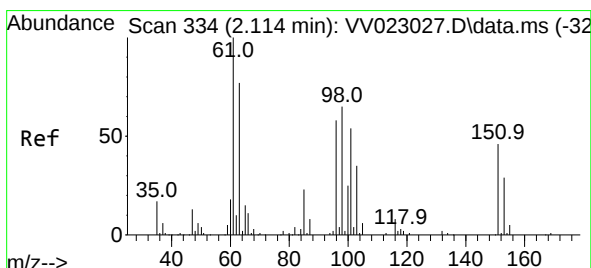
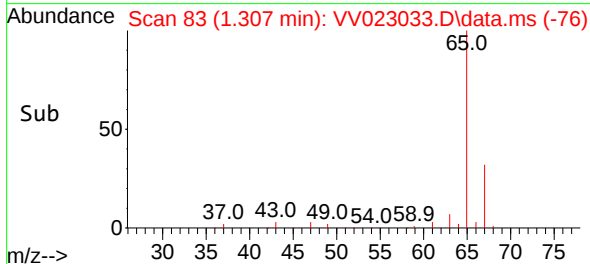
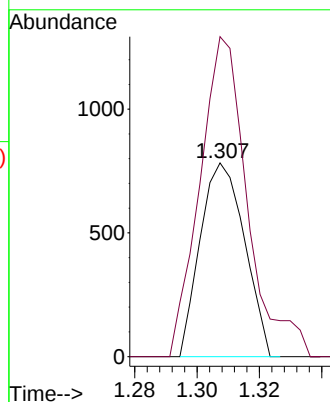
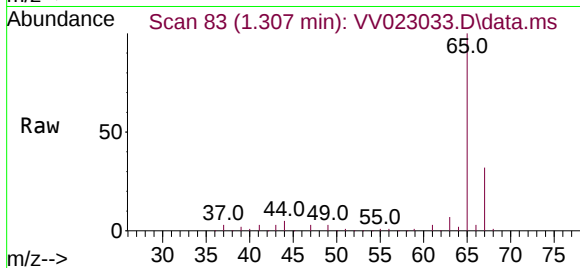
ClientSampleId :

Tgt Ion: 64 Resp: 772

Ion Ratio Lower Upper

64 100

66 165.1 22.1 41.1#



#12

1,1-Dichloroethene

Concen: 0.080 ug/L

RT: 2.105 min Scan# 331

Delta R.T. -0.010 min

Lab File: VV023033.D

Acq: 26 Oct 2021 12:53

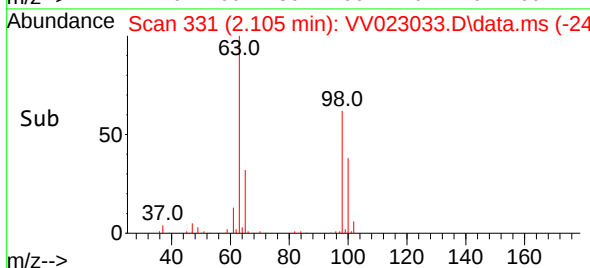
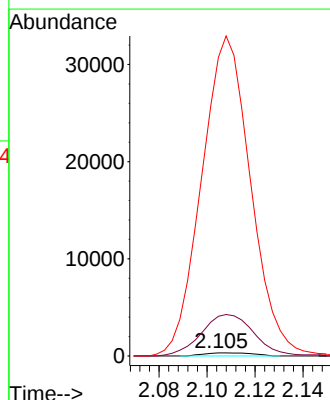
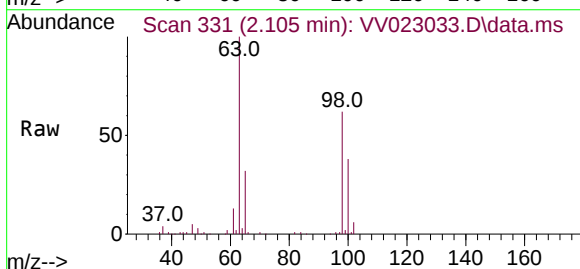
Tgt Ion: 96 Resp: 446

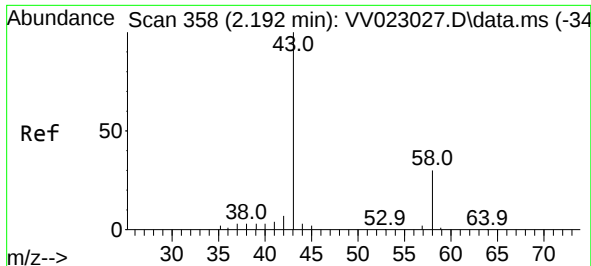
Ion Ratio Lower Upper

96 100

61 1291.8 121.5 225.7#

63 9731.6 99.6 185.0#





#13

Acetone

Concen: 14.800 ug/L

RT: 2.179 min Scan# 354

Delta R.T. -0.013 min

Lab File: VV023033.D

Acq: 26 Oct 2021 12:53

Instrument :

MSVOA_V

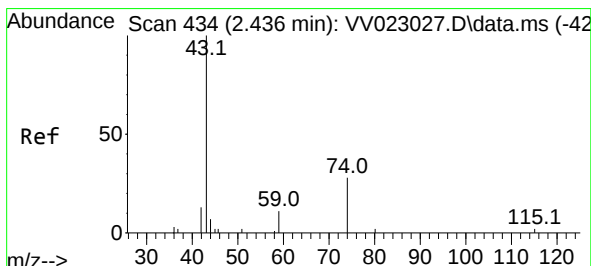
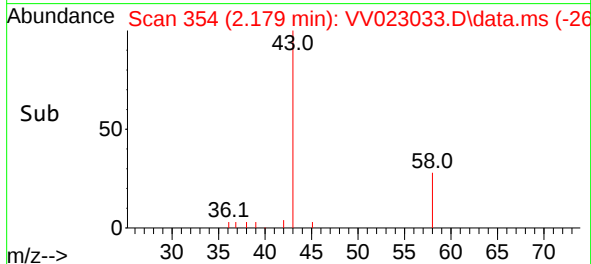
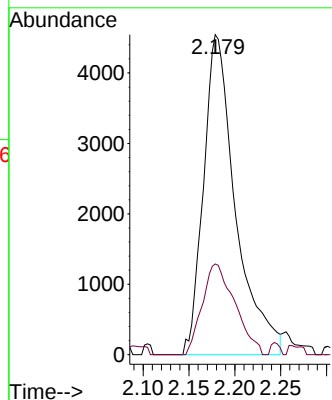
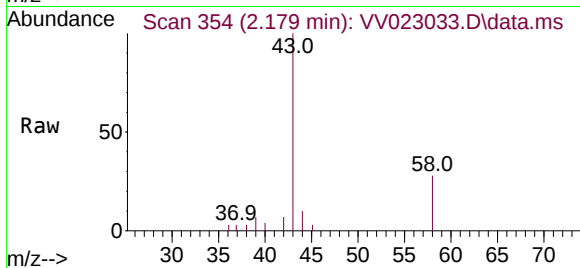
ClientSampleId :

Tgt Ion: 43 Resp: 11032

Ion Ratio Lower Upper

43 100

58 28.9 0.0 55.4



#15

Methyl Acetate

Concen: 3.891 ug/L

RT: 2.179 min Scan# 354

Delta R.T. -0.257 min

Lab File: VV023033.D

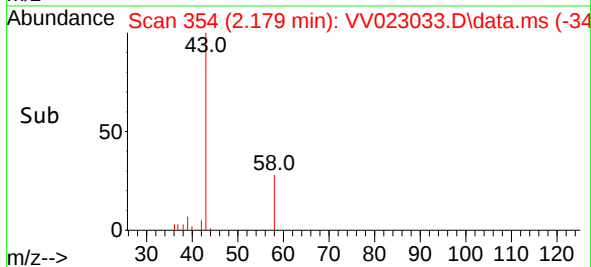
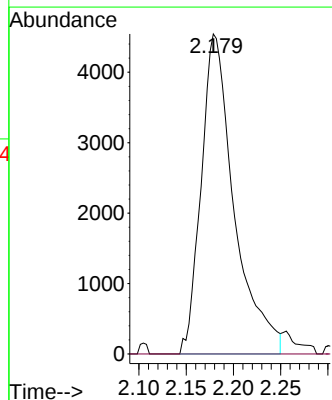
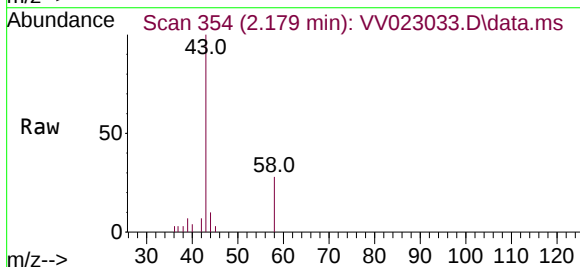
Acq: 26 Oct 2021 12:53

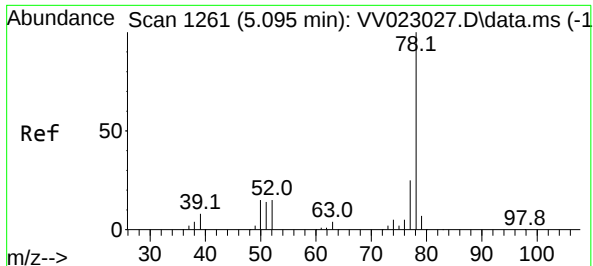
Tgt Ion: 43 Resp: 11032

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.2#

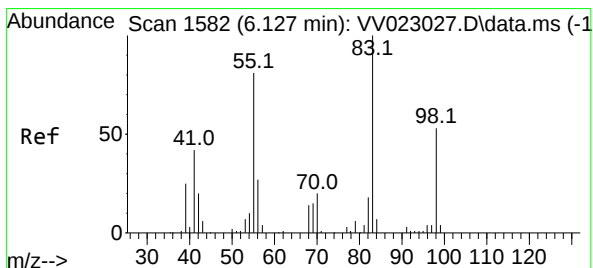
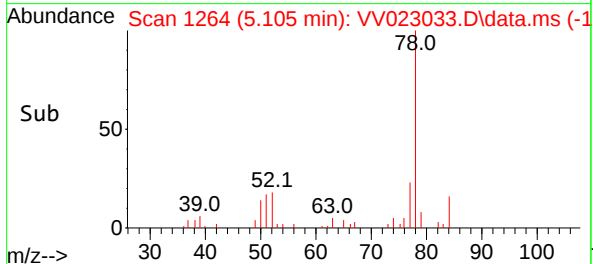
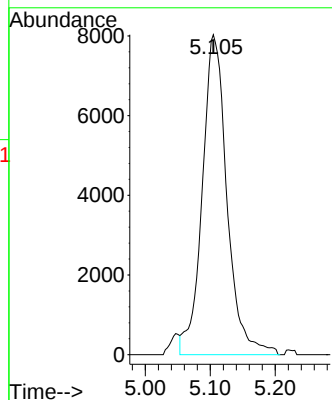
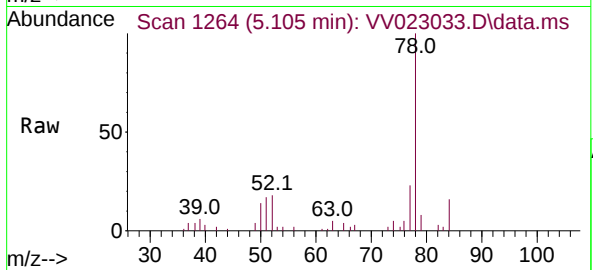




#33
Benzene
Concen: 0.717 ug/L
RT: 5.105 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV023033.D
Acq: 26 Oct 2021 12:53

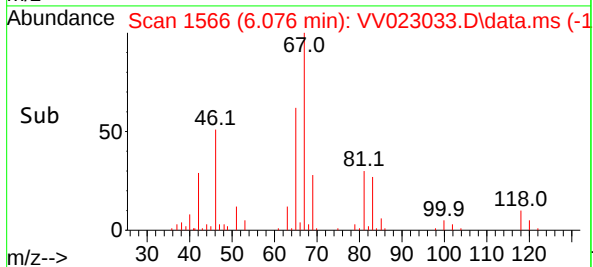
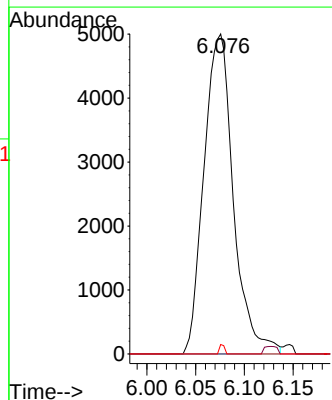
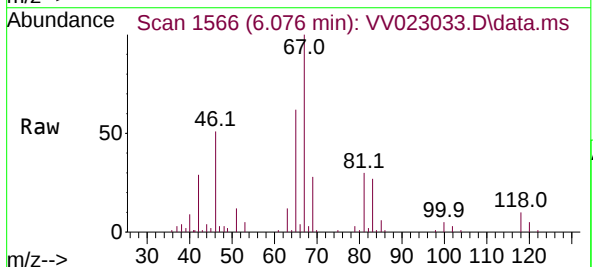
Instrument :
MSVOA_V
ClientSampleId :

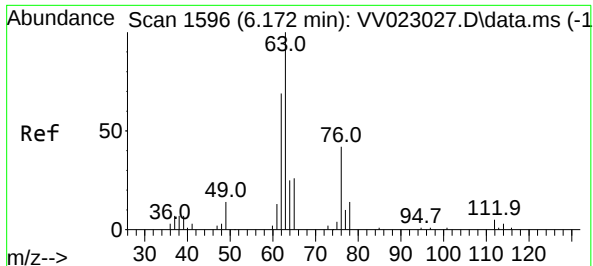
Tgt Ion: 78 Resp: 21288



#35
Methylcyclohexane
Concen: 0.986 ug/L
RT: 6.076 min Scan# 1566
Delta R.T. -0.051 min
Lab File: VV023033.D
Acq: 26 Oct 2021 12:53

Tgt Ion: 83 Resp: 10534
Ion Ratio Lower Upper
83 100
55 1.0 62.8 94.2#
98 0.5 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.624 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023033.D

Acq: 26 Oct 2021 12:53

Instrument :

MSVOA_V

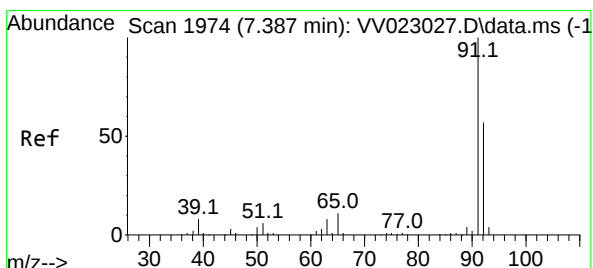
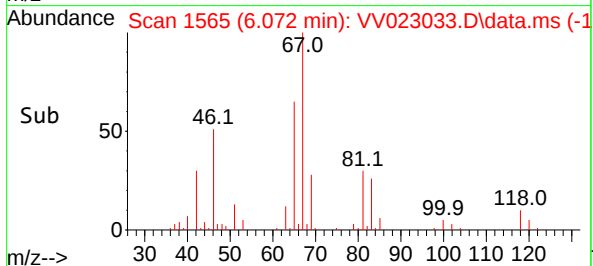
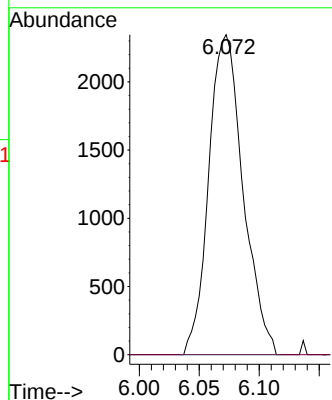
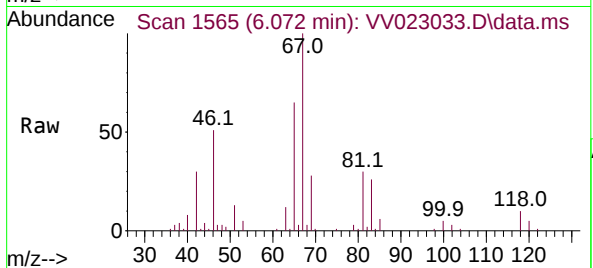
ClientSampleId :

Tgt Ion: 63 Resp: 4673

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#42

Toluene

Concen: 6.901 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV023033.D

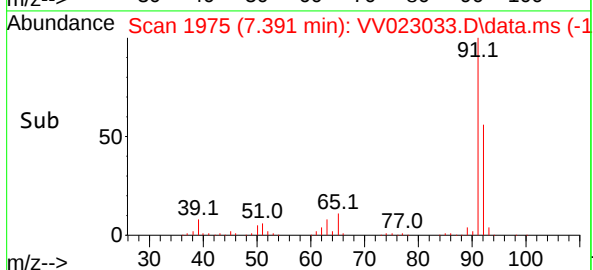
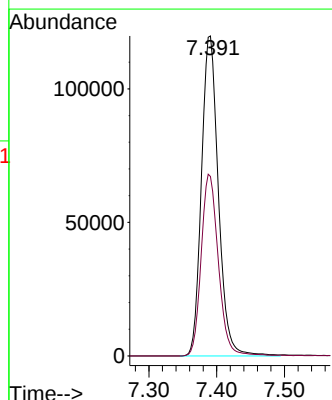
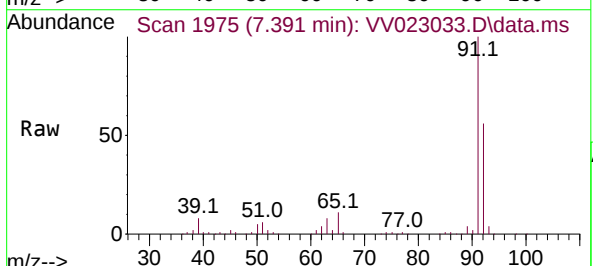
Acq: 26 Oct 2021 12:53

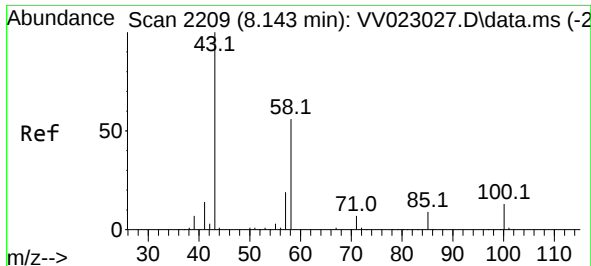
Tgt Ion: 91 Resp: 207711

Ion Ratio Lower Upper

91 100

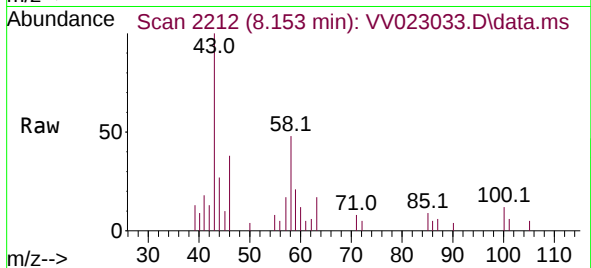
92 56.1 39.3 72.9



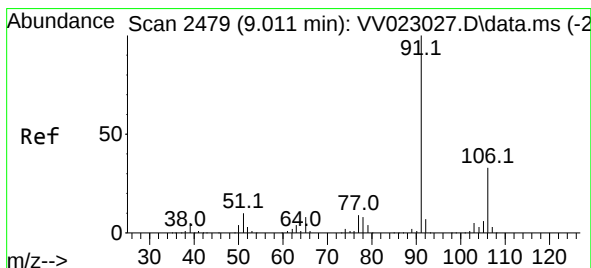
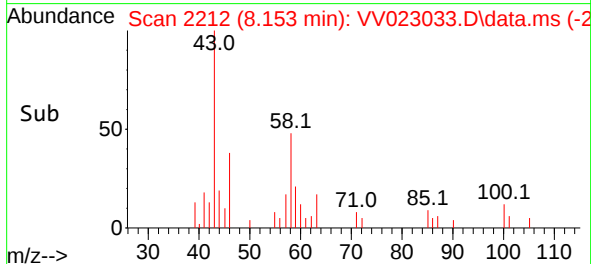
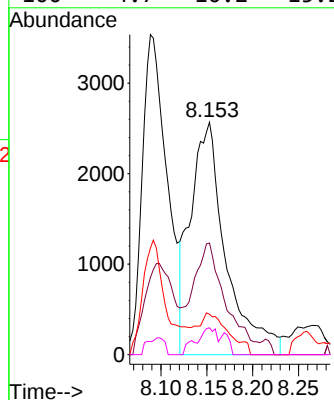


#48
2-Hexanone
Concen: 2.632 ug/L
RT: 8.153 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV023033.D
Acq: 26 Oct 2021 12:53

Instrument :
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ClientSampleId :

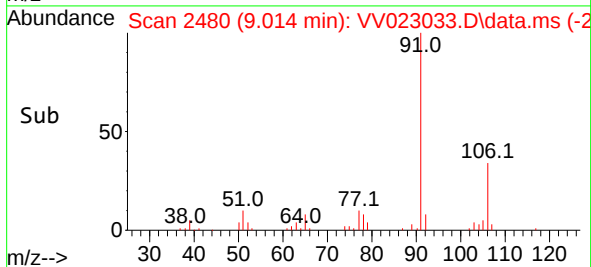
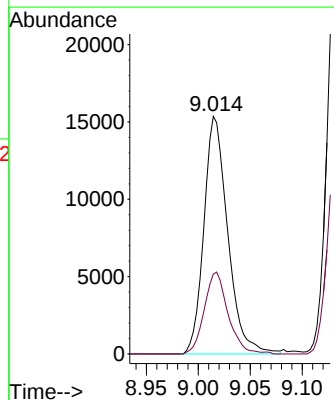
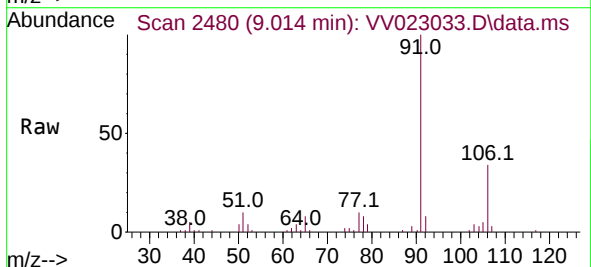


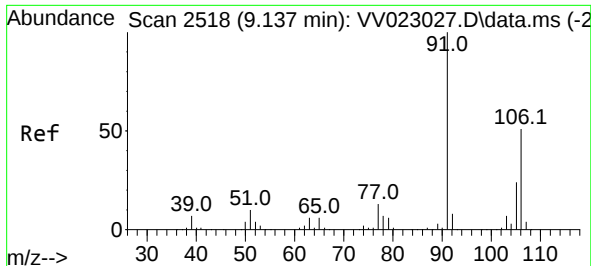
Tgt Ion: 43 Resp: 6885
Ion Ratio Lower Upper
43 100
58 44.3 43.7 65.5
57 13.6 14.1 21.1#
100 4.7 10.2 15.2#



#52
Ethylbenzene
Concen: 0.823 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV023033.D
Acq: 26 Oct 2021 12:53

Tgt Ion: 91 Resp: 24586
Ion Ratio Lower Upper
91 100
106 33.6 22.5 41.9

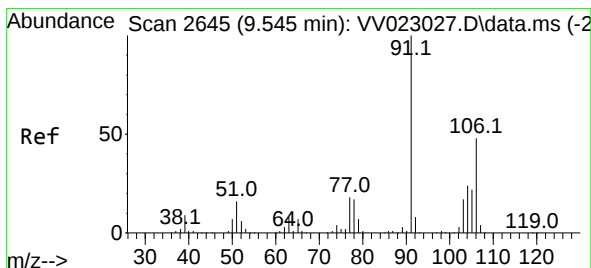
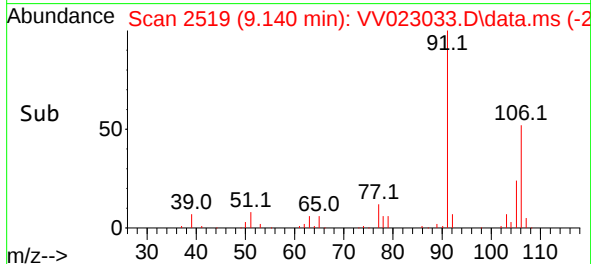
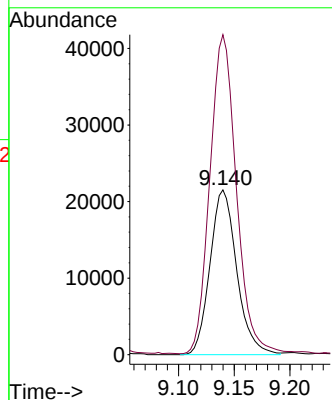
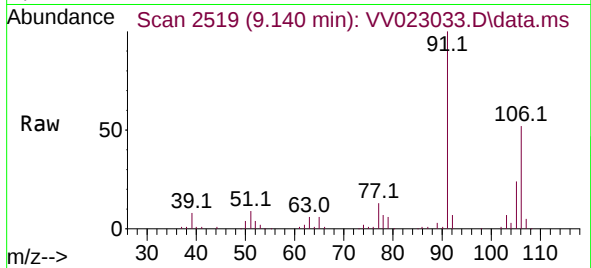




#53
m,p-xylene
Concen: 3.006 ug/L
RT: 9.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023033.D
Acq: 26 Oct 2021 12:53

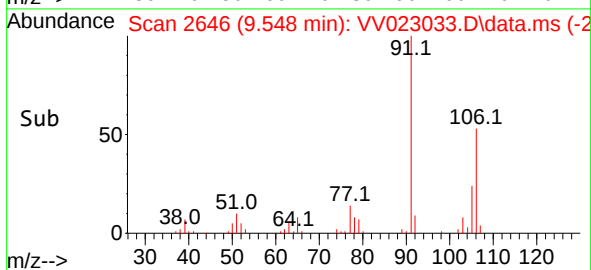
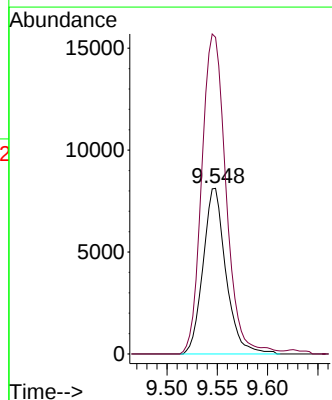
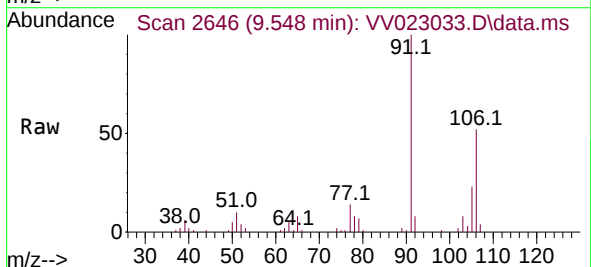
Instrument :
MSVOA_V
ClientSampleId :

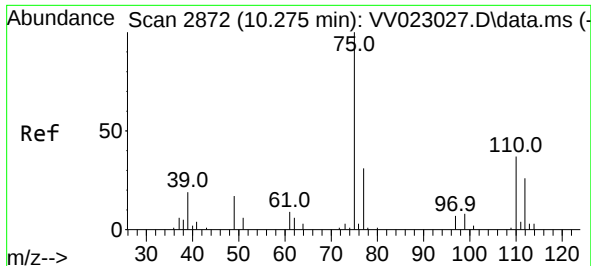
Tgt Ion:106 Resp: 36013
Ion Ratio Lower Upper
106 100
91 194.2 137.2 254.8



#54
o-xylene
Concen: 1.140 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.003 min
Lab File: VV023033.D
Acq: 26 Oct 2021 12:53

Tgt Ion:106 Resp: 12858
Ion Ratio Lower Upper
106 100
91 191.2 148.3 275.5





#61

1,2,3-Trichloropropane

Concen: 0.079 ug/L

RT: 9.542 min Scan# 2

Delta R.T. -0.733 min

Lab File: VV023033.D

Acq: 26 Oct 2021 12:53

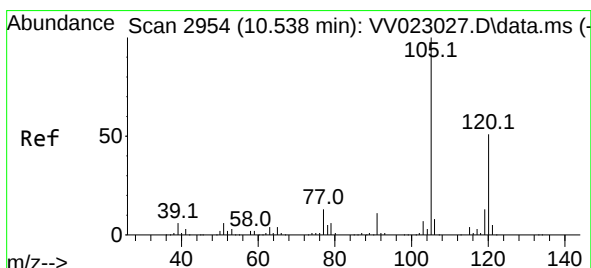
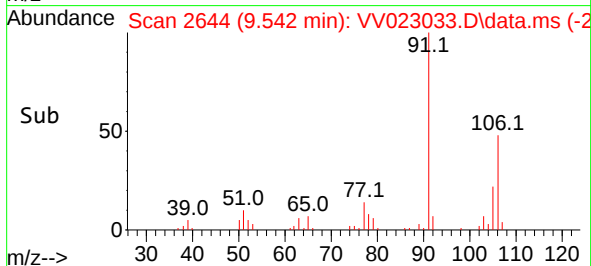
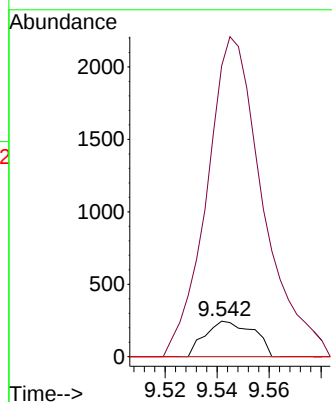
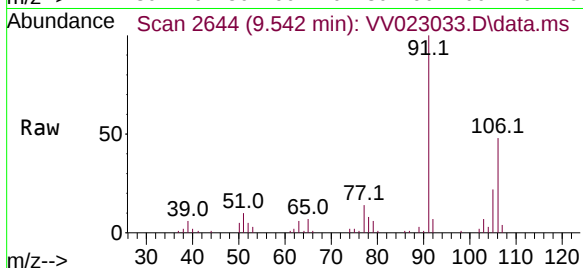
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 75 Resp: 317

Ion	Ratio	Lower	Upper
75	100		
77	1042.9	26.6	39.8#
110	0.0	31.8	47.6#



#62

1,3,5-Trimethylbenzene

Concen: 0.148 ug/L

RT: 10.545 min Scan# 2956

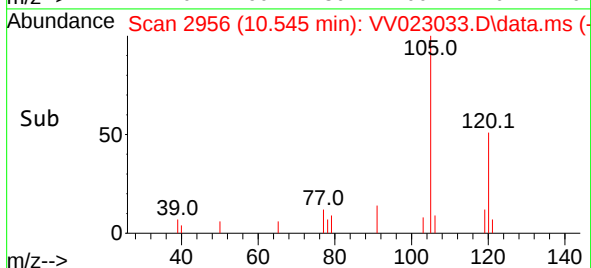
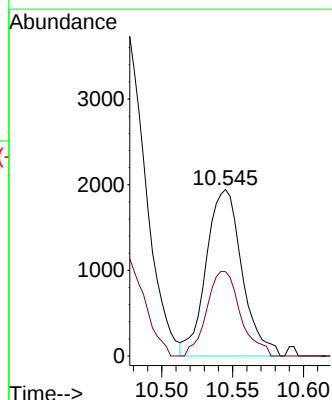
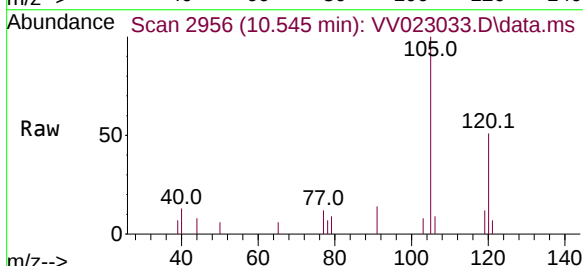
Delta R.T. 0.006 min

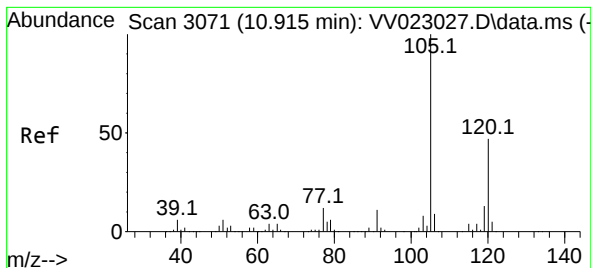
Lab File: VV023033.D

Acq: 26 Oct 2021 12:53

Tgt Ion: 105 Resp: 3423

Ion	Ratio	Lower	Upper
105	100		
120	47.6	39.7	59.5





#63

1,2,4-Trimethylbenzene

Concen: 0.726 ug/L

RT: 10.918 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV023033.D

Acq: 26 Oct 2021 12:53

Instrument :

MSVOA_V

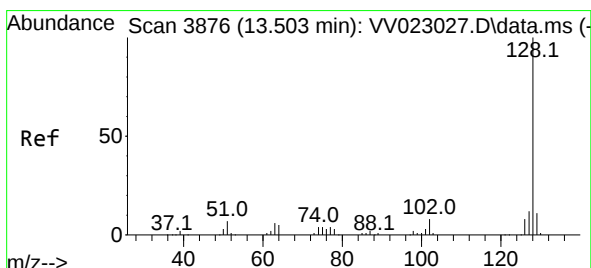
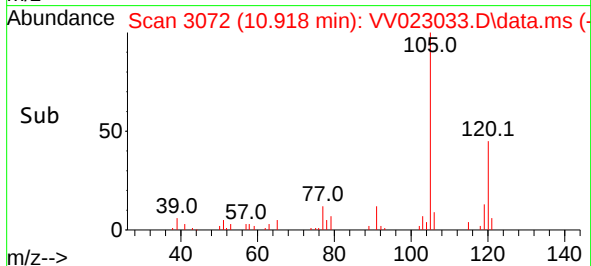
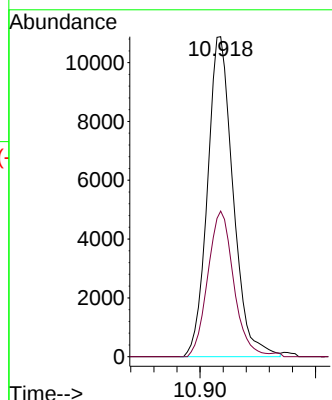
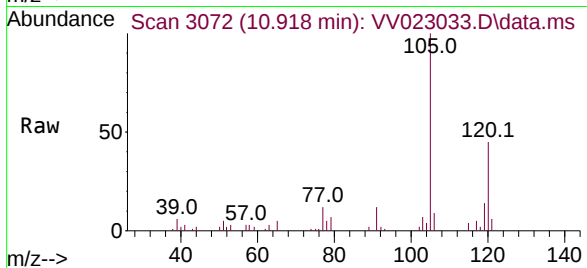
ClientSampleId :

Tgt Ion:105 Resp: 16751

Ion Ratio Lower Upper

105 100

120 45.9 37.4 56.2



#71

Naphthalene

Concen: 0.457 ug/L

RT: 13.509 min Scan# 3878

Delta R.T. 0.006 min

Lab File: VV023033.D

Acq: 26 Oct 2021 12:53

Tgt Ion:128 Resp: 6002

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 14.8 10.5 15.7

