

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
 Data File : VL032252.D
 Acq On : 13 Jul 2018 19:25
 Operator : SY/AP
 Sample : J3753-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

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Quant Time: Jul 14 04:18:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 2018
 QLast Update : Fri Jul 13 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1643789	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3699292	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4150591	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3235849	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1,2-Trichlorotrifluoroet	4.62	101	28294	0.196	ppbv	95
13) Ethanol	3.71	45	1501698	60.418	ppbv	96
15) Acetone	3.96	43	850304	4.458	ppbv	99
17) tert-Butyl alcohol	4.44	59	101812	1.143	ppbv #	94
18) 1,1-Dichloroethene	4.42	96	10245m	0.152	ppbv	
19) Isopropyl Alcohol	4.10	45	751504m	6.000	ppbv	
20) Methylene Chloride	4.48	84	42246m	0.654	ppbv	
22) trans-1,2-Dichloroethene	5.04	96	8565m	0.134	ppbv	
24) 1,1-Dichloroethane	5.17	63	237690	1.067	ppbv	99
26) Hexane	5.86	57	39110	0.227	ppbv #	63
32) 1,1,1-Trichloroethane	6.70	97	2578512	9.996	ppbv	99
34) 2-Butanone	5.41	43	144889	0.575	ppbv	98
44) 2,2,4-Trimethylpentane	8.08	57	116184	0.184	ppbv #	87
53) Toluene	10.04	91	183433	0.422	ppbv	98
58) Ethyl Benzene	12.96	91	48994m	0.081	ppbv	
59) m/p-Xylene	13.22	91	159250m	0.320	ppbv	
60) o-Xylene	13.95	91	60079m	0.122	ppbv	
69) p-Isopropyltoluene	17.91	119	111094	0.169	ppbv	95
75) 1,3-Dichlorobenzene	17.26	146	133947	0.429	ppbv #	73

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

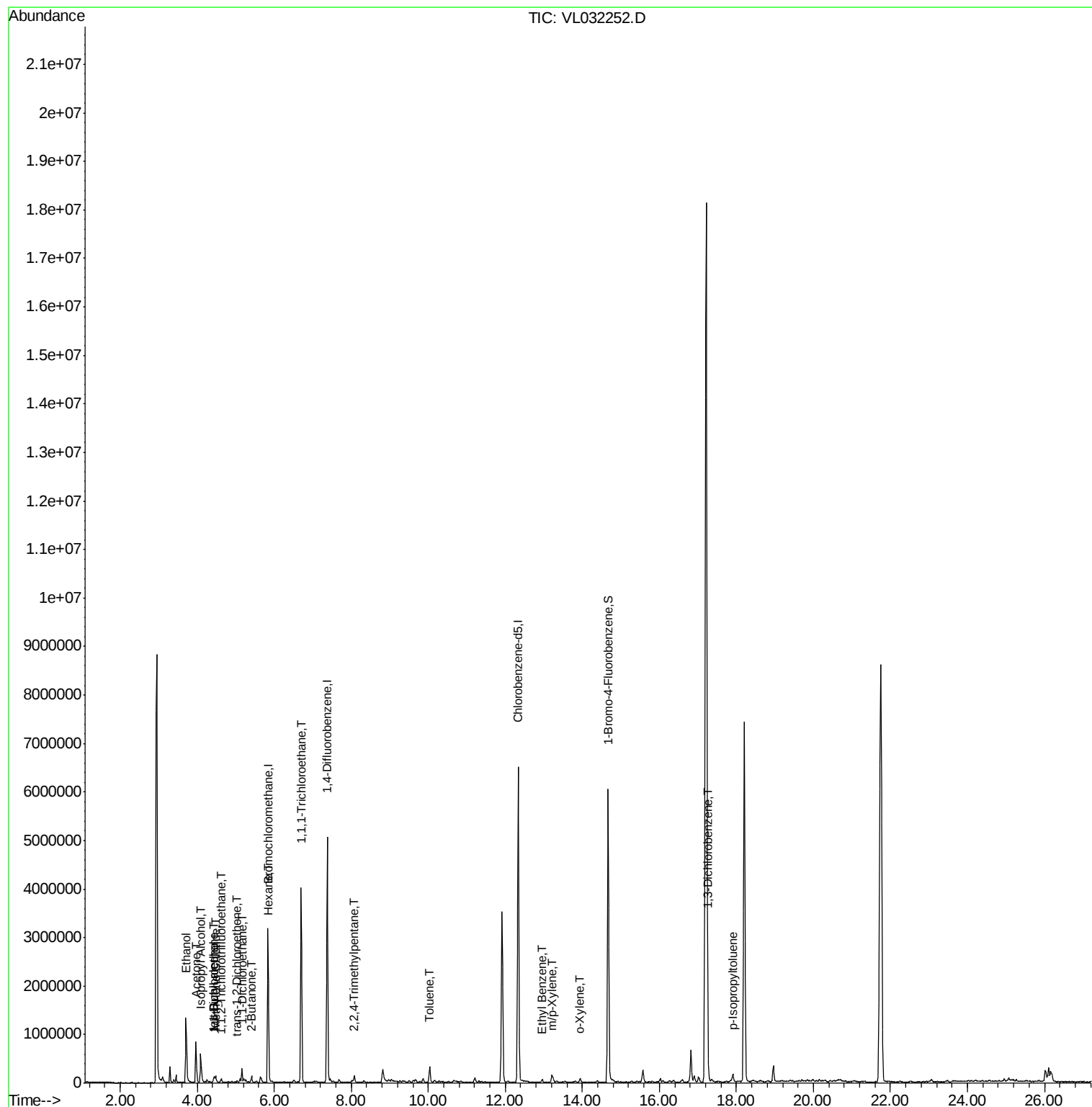
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
Data File : VL032252.D
Acq On : 13 Jul 2018 19:25
Operator : SY/AP
Sample : J3753-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

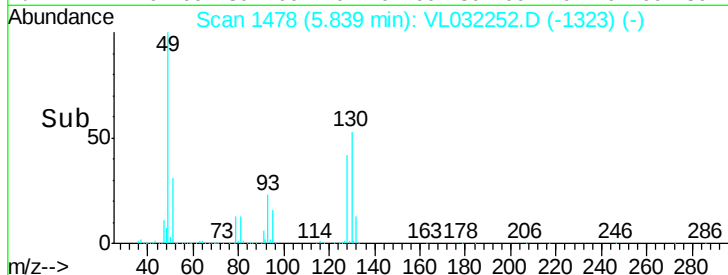
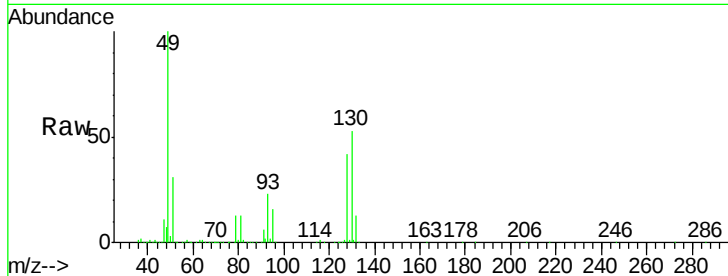
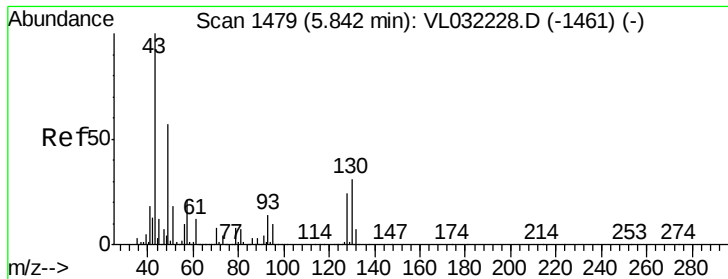
Instrument :
MSVOA_L
ClientSampleId :
MIDDL

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Quant Time: Jul 14 04:18:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul
QLast Update : Fri Jul 13 04:25:14 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VL032252.D

Acq: 13 Jul 2018 19:25

Tgt Ion: 49 Resp: 1643789

Ion Ratio Lower Upper

49 100

128 41.7 20.9 62.8

130 52.8 27.0 81.0

Instrument :

MSVOA_L

ClientSampleId :

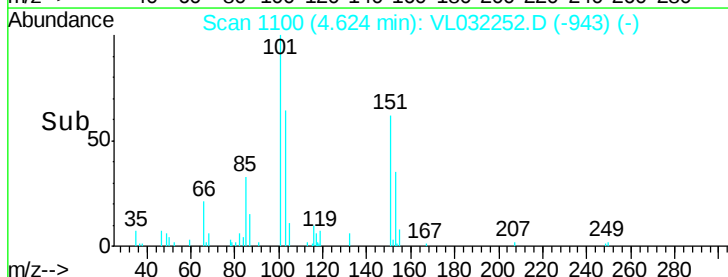
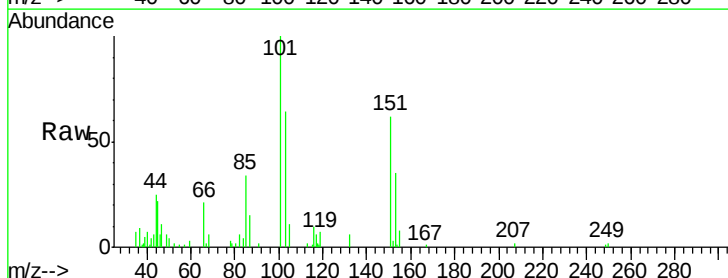
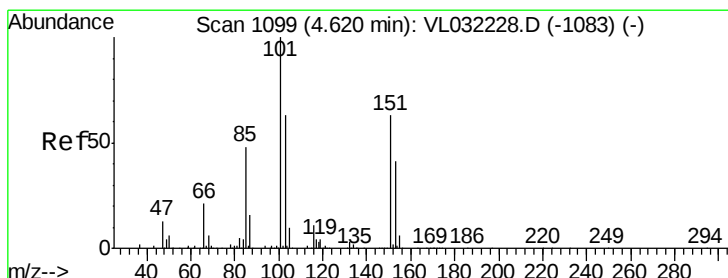
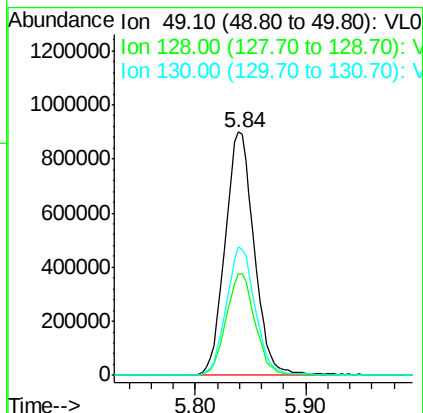
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#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.196 ppbv

RT: 4.62 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VL032252.D

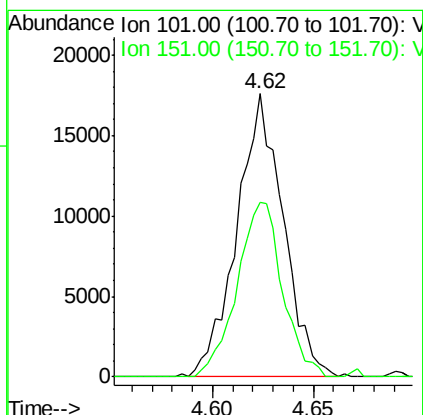
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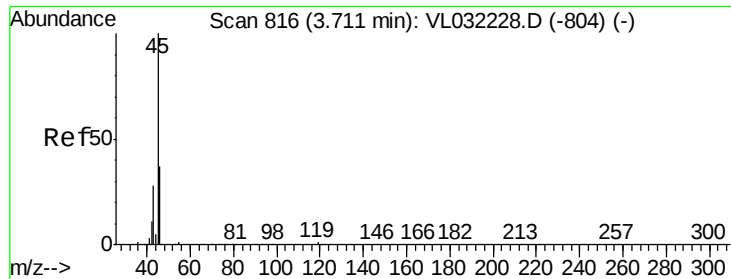
Tgt Ion: 101 Resp: 28294

Ion Ratio Lower Upper

101 100

151 61.0 52.2 78.2





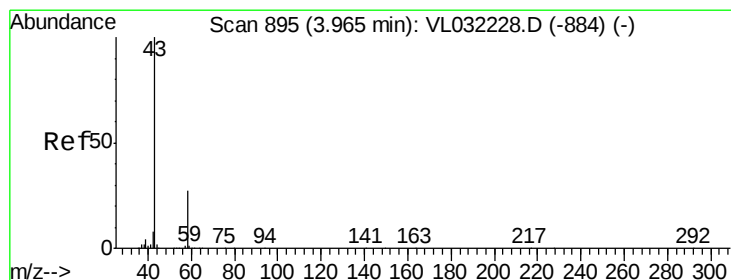
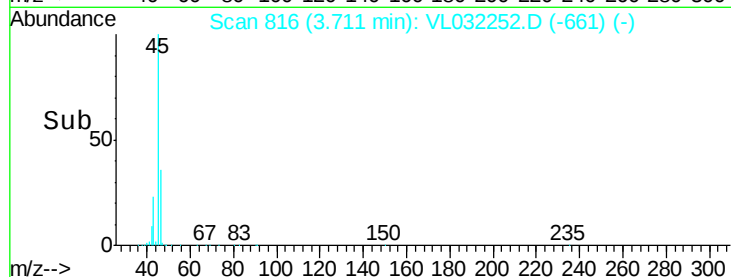
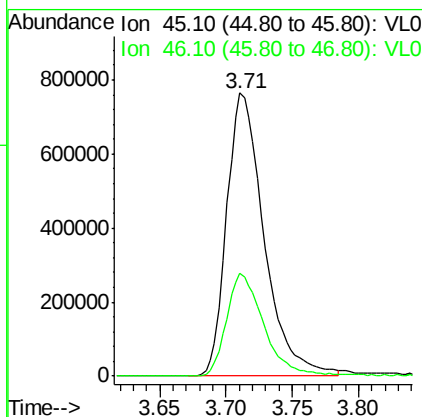
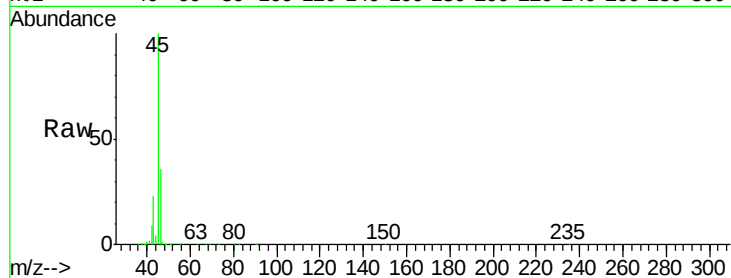
#13
Ethanol
Concen: 60.418 ppbv
RT: 3.71 min Scan# 816
Delta R.T. -0.00 min
Lab File: VL032252.D
Acq: 13 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

Tgt Ion: 45 Resp: 1501698
Ion Ratio Lower Upper
45 100
46 36.5 15.5 61.9

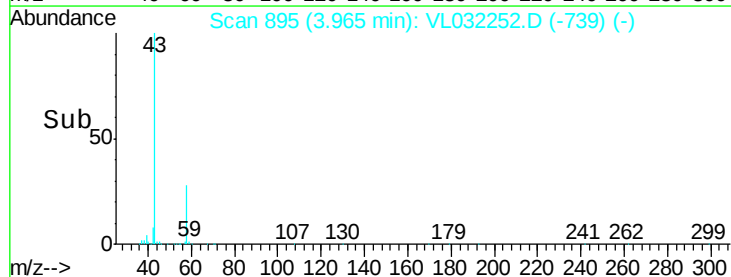
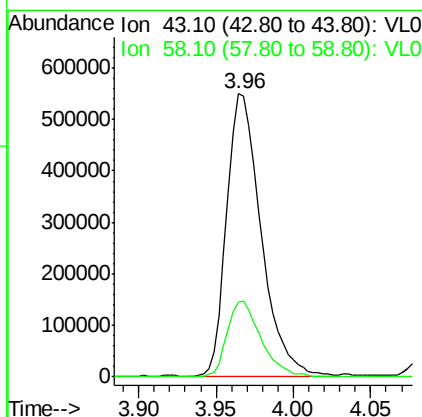
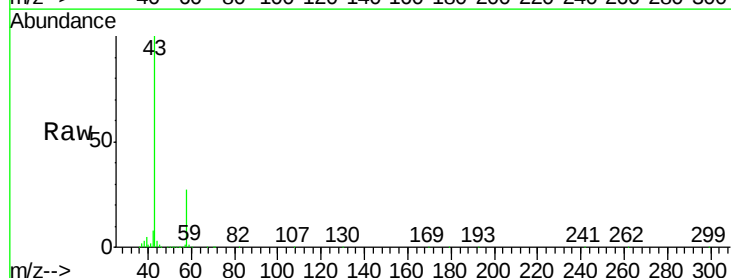
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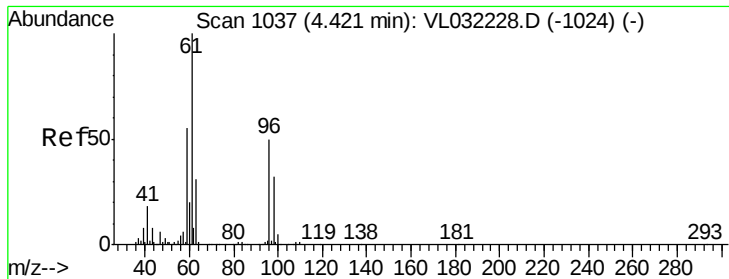
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#15
Acetone
Concen: 4.458 ppbv
RT: 3.96 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL032252.D
Acq: 13 Jul 2018 19:25

Tgt Ion: 43 Resp: 850304
Ion Ratio Lower Upper
43 100
58 26.6 21.5 32.3





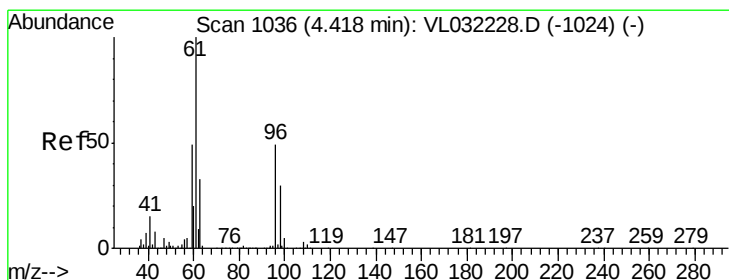
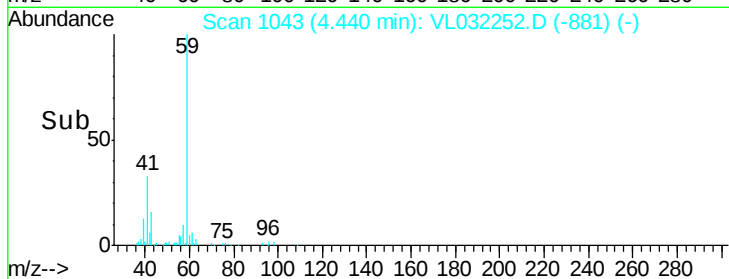
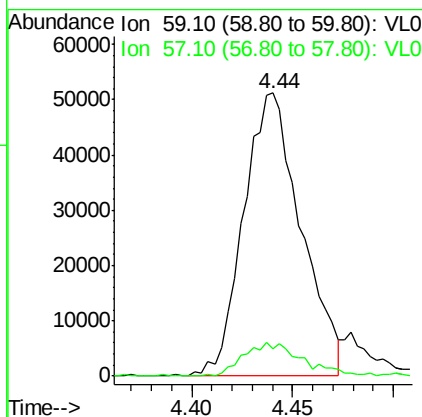
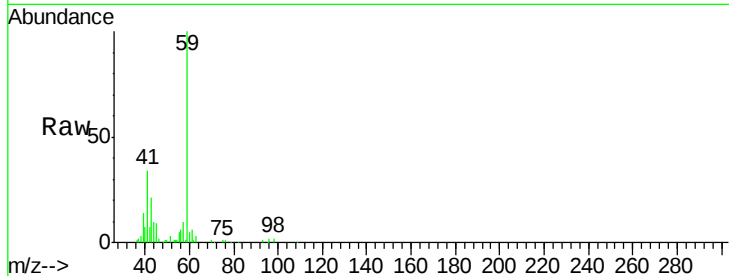
#17
 tert-Butyl alcohol
 Concen: 1.143 ppbv
 RT: 4.44 min Scan# 1043
 Delta R.T. 0.02 min
 Lab File: VL032252.D
 Acq: 13 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampled :
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Tgt Ion: 59 Resp: 101812
 Ion Ratio Lower Upper
 59 100
 57 12.8 8.4 12.6#

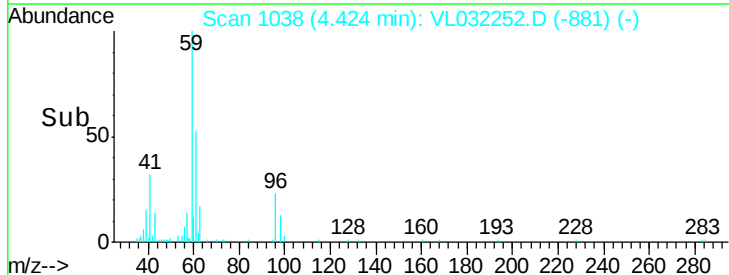
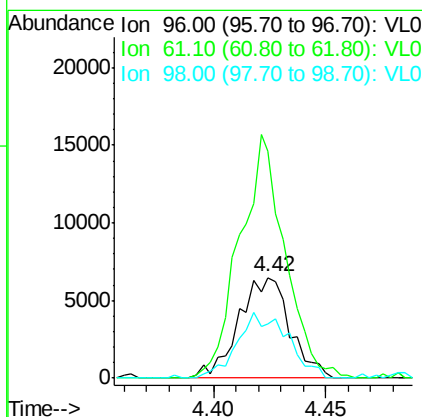
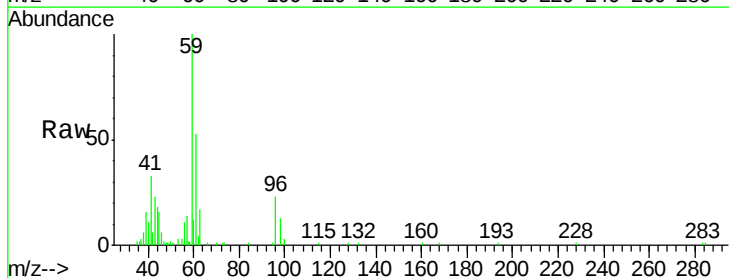
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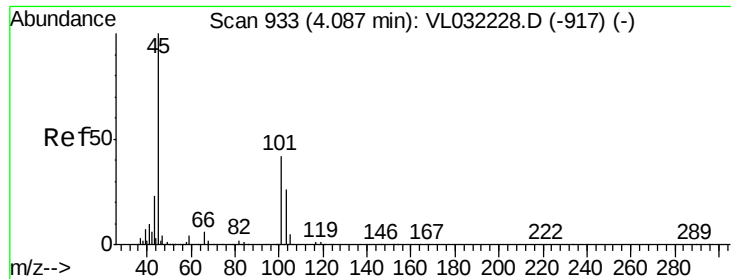
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#18
 1,1-Dichloroethene
 Concen: 0.152 ppbv m
 RT: 4.42 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VL032252.D
 Acq: 13 Jul 2018 19:25

Tgt Ion: 96 Resp: 10245
 Ion Ratio Lower Upper
 96 100
 61 226.1 163.0 244.4
 98 54.2 48.5 72.7





#19

Isopropyl Alcohol

Concen: 6.000 ppbv m

RT: 4.10 min Scan# 936

Delta R.T. 0.01 min

Lab File: VL032252.D

Acq: 13 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

Tgt Ion: 45 Resp: 751504

Ion Ratio Lower Upper

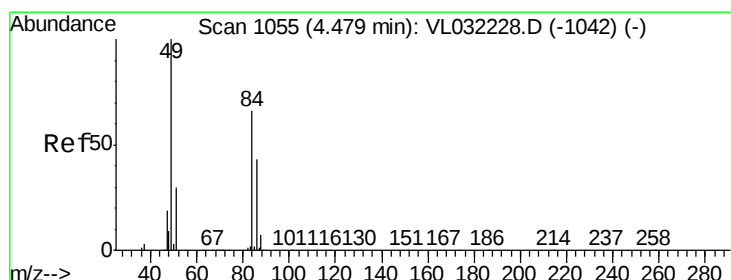
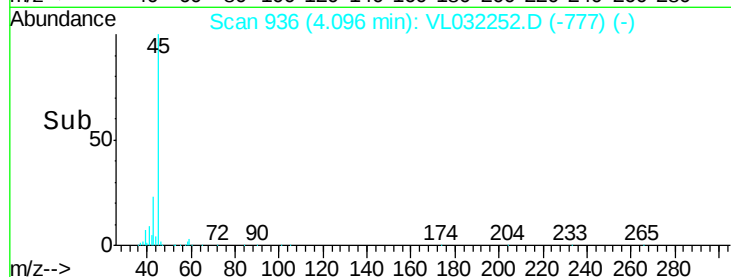
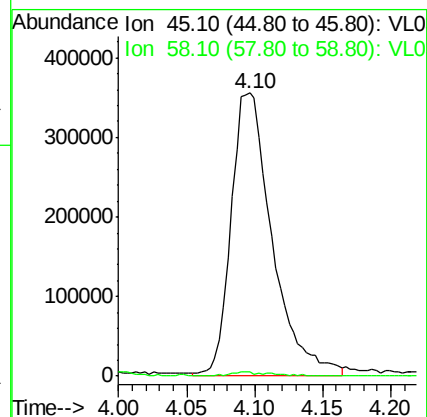
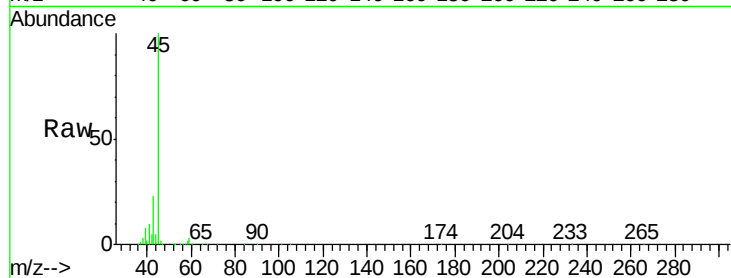
45 100

58 1.6 1.3 1.9

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#20

Methylene Chloride

Concen: 0.654 ppbv m

RT: 4.48 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VL032252.D

Acq: 13 Jul 2018 19:25

Tgt Ion: 84 Resp: 42246

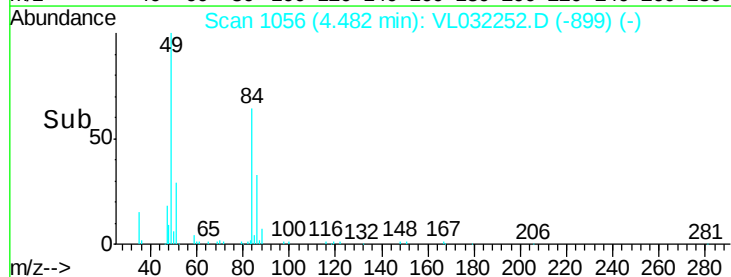
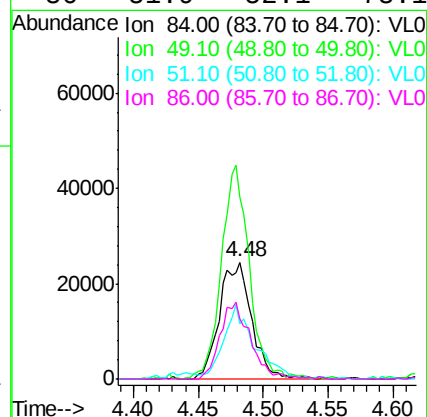
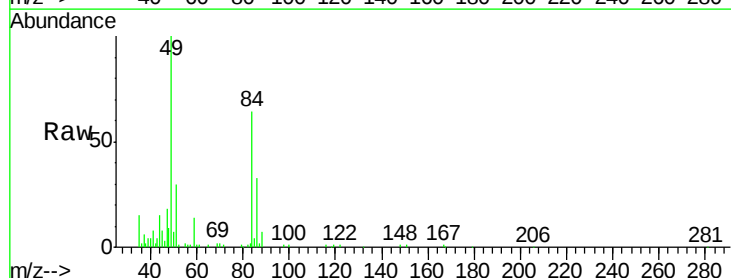
Ion Ratio Lower Upper

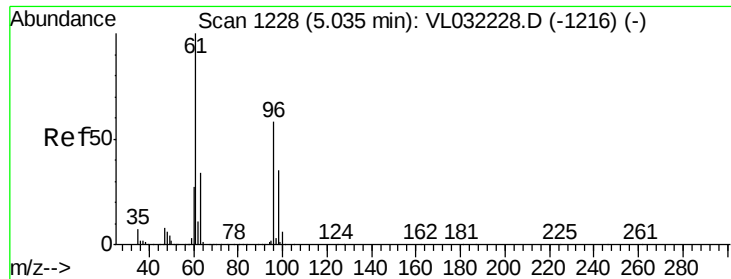
84 100

49 156.1 121.8 182.6

51 46.9 36.3 54.5

86 51.9 52.1 78.1#





#22

trans-1,2-Dichloroethene

Concen: 0.134 ppbv m

RT: 5.04 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VL032252.D

Acq: 13 Jul 2018 19:25

Instrument :

MSVOA_L

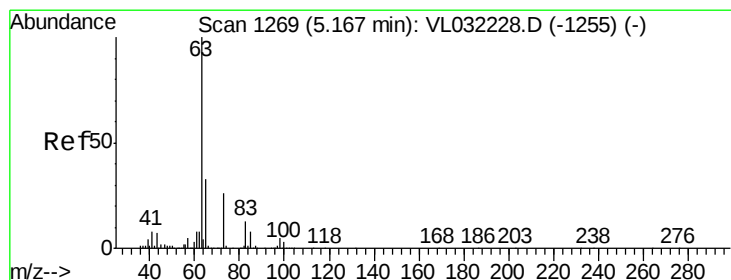
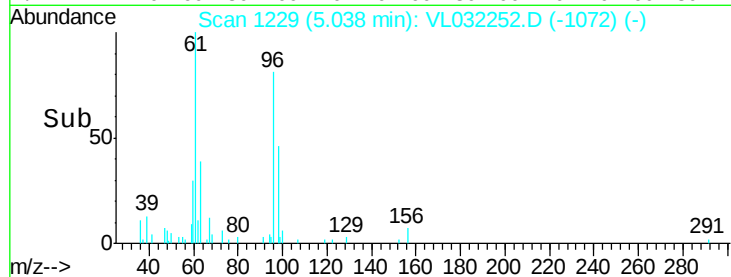
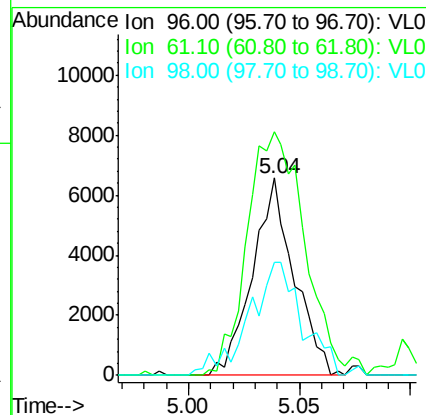
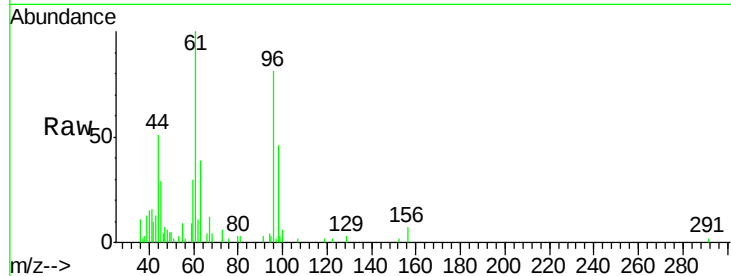
ClientSampled :

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Tgt Ion:	96	Resp:	8565
Ion Ratio	Lower	Upper	
96	100		
61	123.5	139.1	208.7#
98	57.2	48.4	72.6

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#24

1,1-Dichloroethane

Concen: 1.067 ppbv

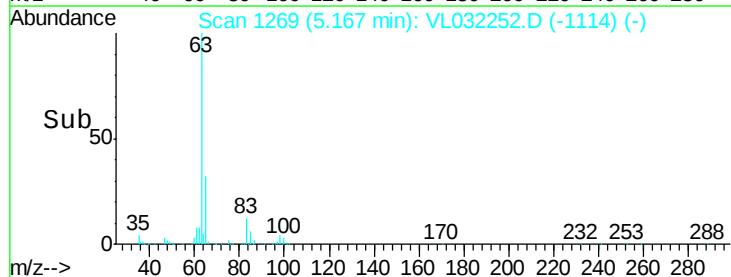
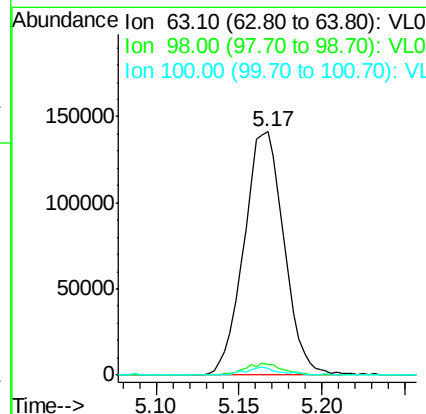
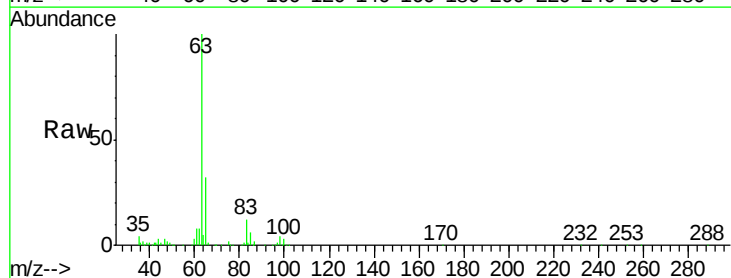
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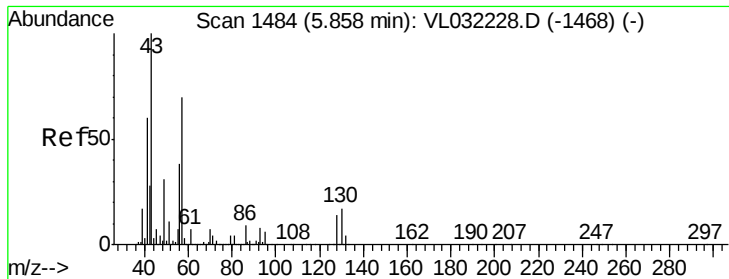
Delta R.T. -0.00 min

Lab File: VL032252.D

Acq: 13 Jul 2018 19:25

Tgt Ion:	63	Resp:	237690
Ion Ratio	Lower	Upper	
63	100		
98	4.3	2.4	7.1
100	3.1	1.5	4.4





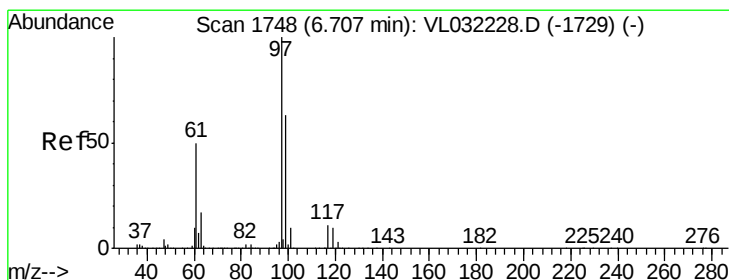
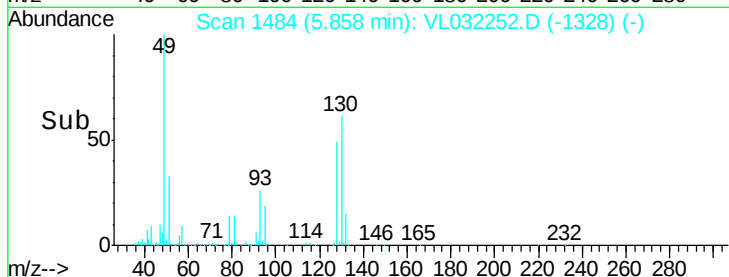
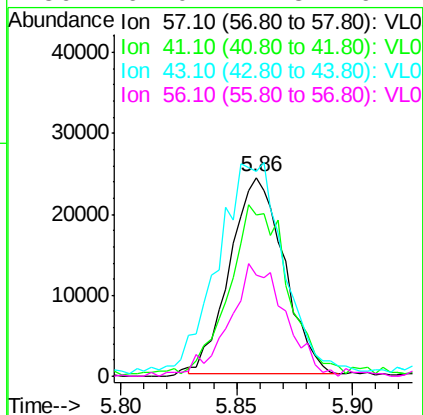
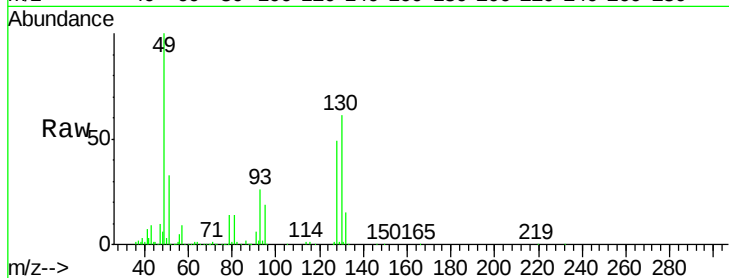
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Hexane
Concen: 0.227 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VL032252.D
Acq: 13 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.9	68.7	103.1
43	133.5	176.2	264.2#
56	61.0	42.8	64.2

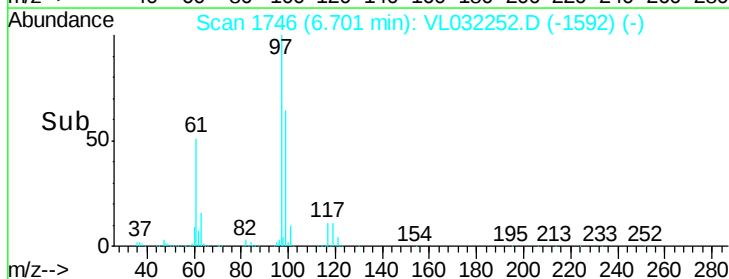
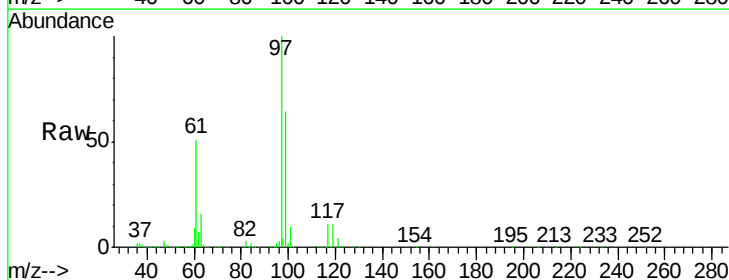
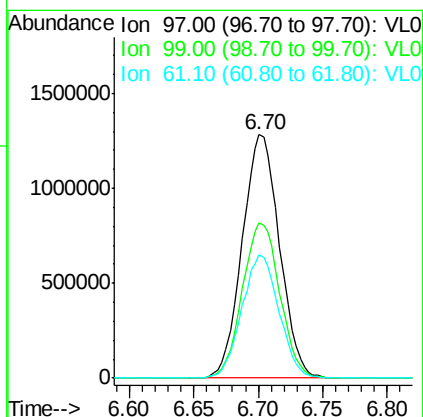
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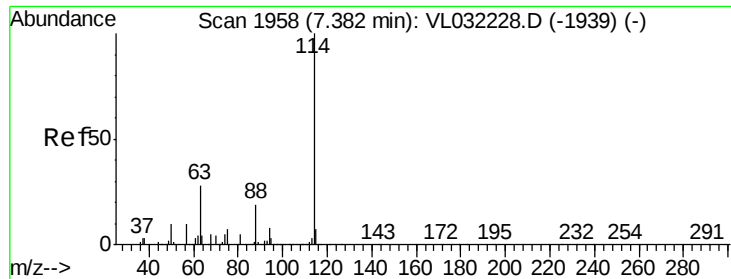
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#32
1,1,1-Trichloroethane
Concen: 9.996 ppbv
RT: 6.70 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VL032252.D
Acq: 13 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.2	76.8
61	50.6	41.3	61.9





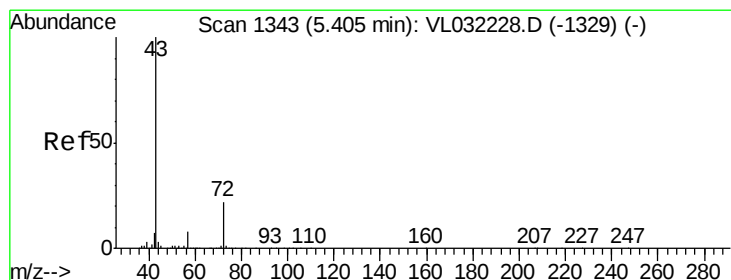
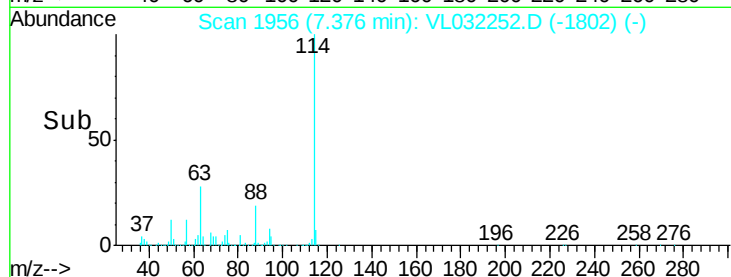
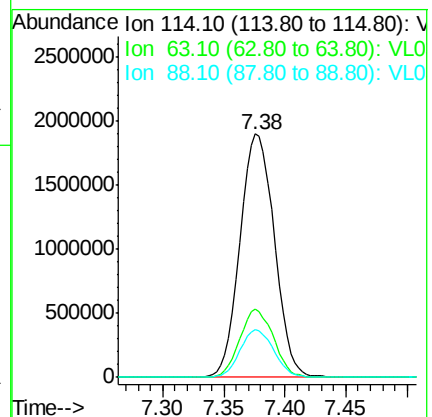
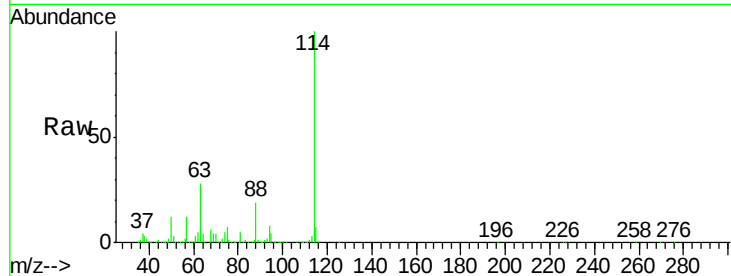
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 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: VL032252.D
 Acq: 13 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.5	33.7
88	19.2	15.4	23.0

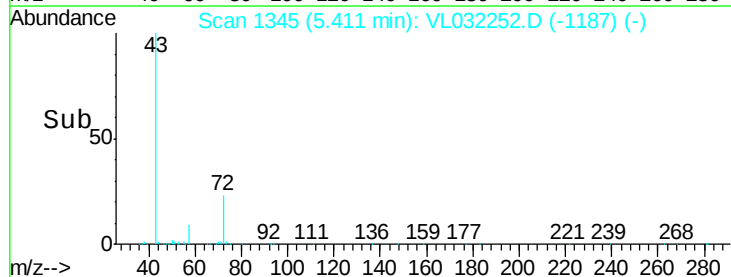
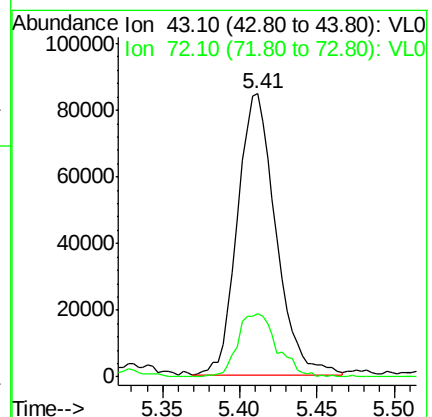
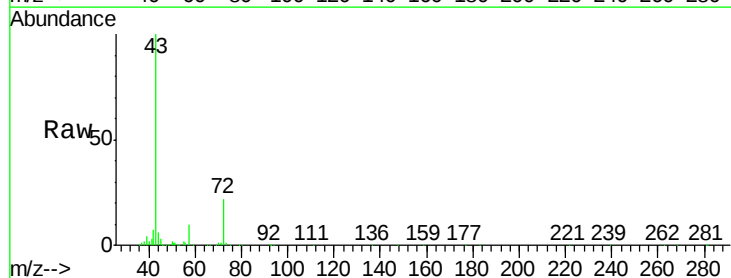
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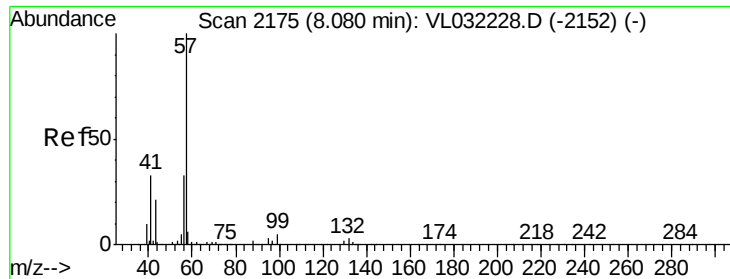
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#34
 2-Butanone
 Concen: 0.575 ppbv
 RT: 5.41 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: VL032252.D
 Acq: 13 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.1	27.1





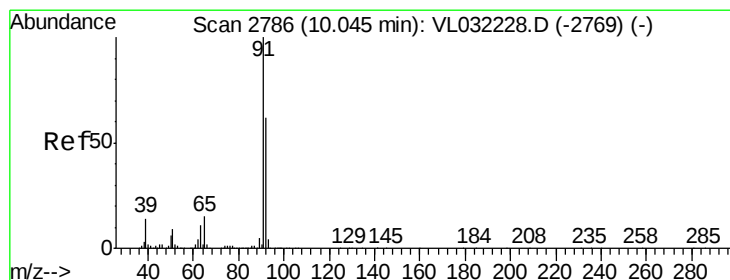
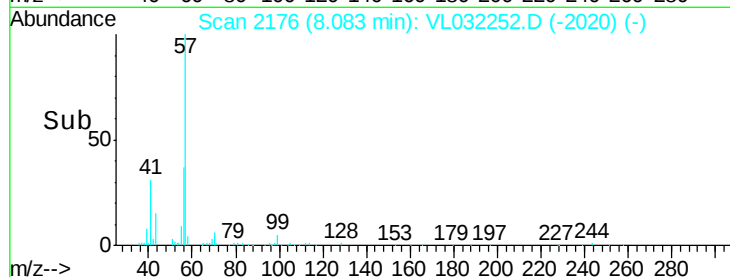
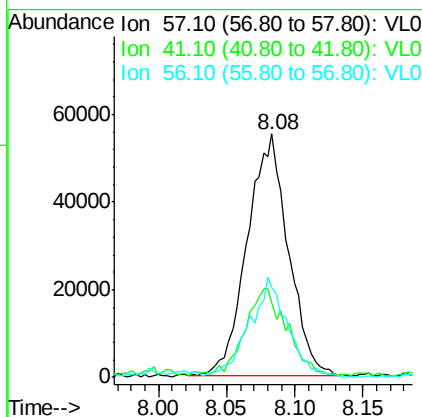
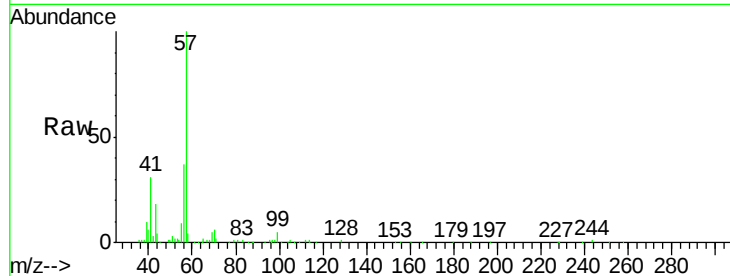
#44
 2,2,4-Trimethylpentane
 Concen: 0.184 ppbv
 RT: 8.08 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VL032252.D
 Acq: 13 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Tgt Ion	Ratio	Lower	Upper
57	100		
41	37.1	24.7	37.1
56	40.0	25.4	38.0#

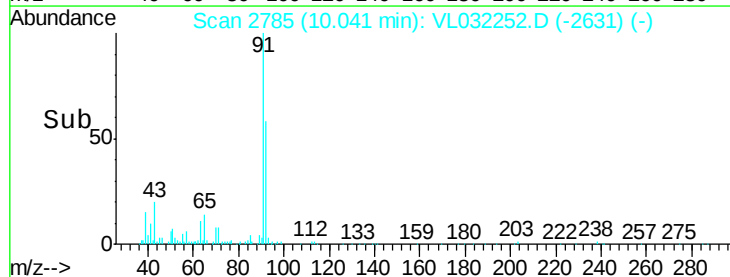
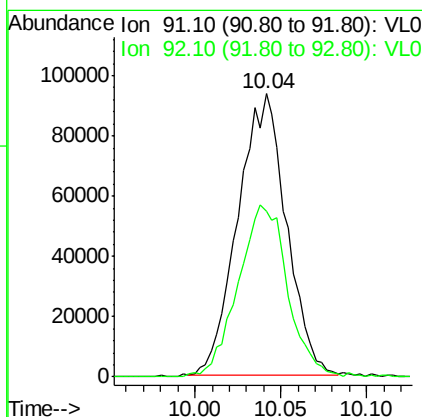
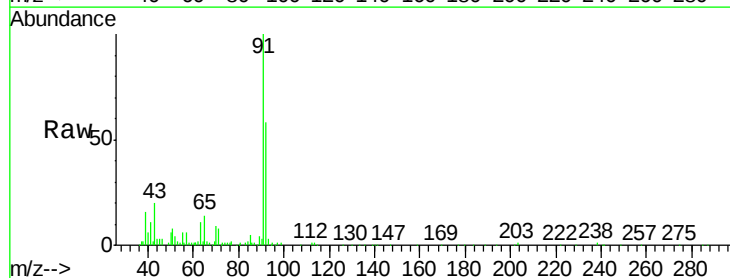
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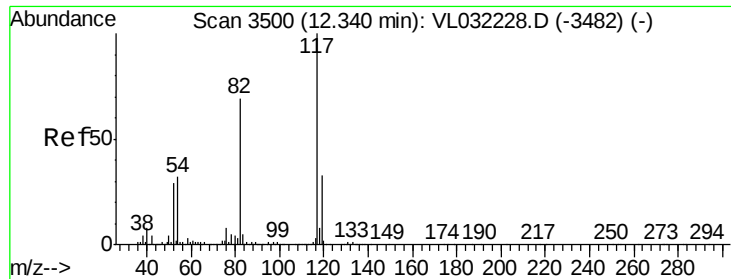
apatel
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#53
 Toluene
 Concen: 0.422 ppbv
 RT: 10.04 min Scan# 2785
 Delta R.T. -0.00 min
 Lab File: VL032252.D
 Acq: 13 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.4	49.0	73.4





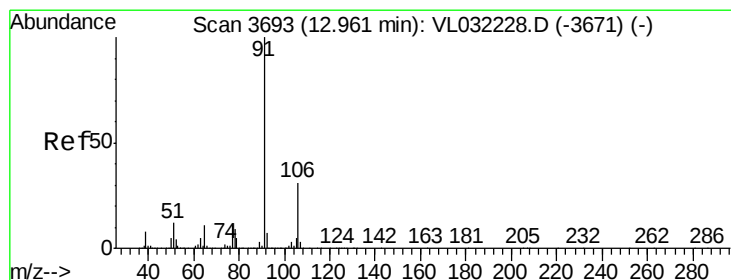
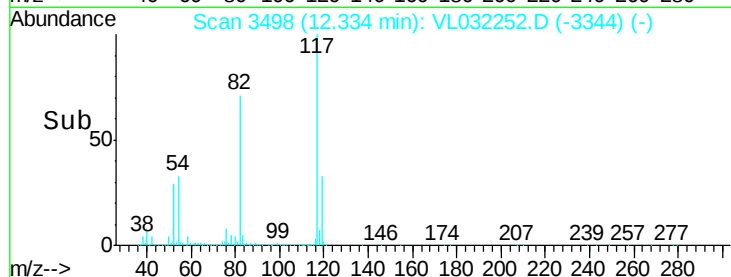
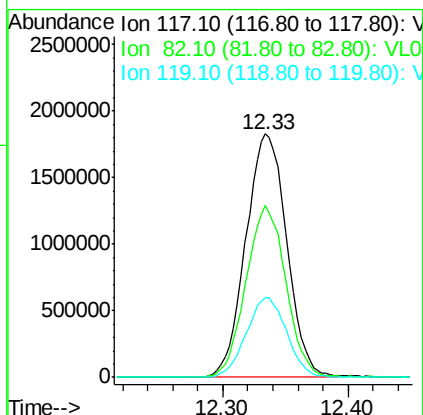
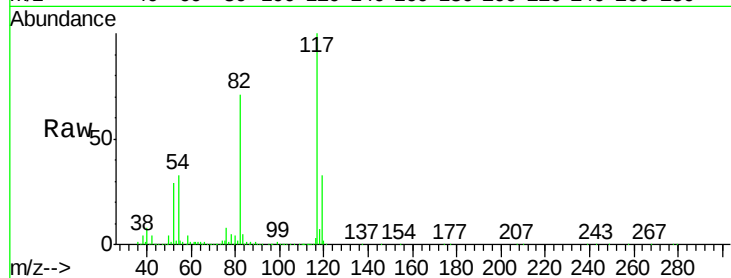
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.01 min
Lab File: VL032252.D
Acq: 13 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.3	53.2	79.8
119	32.6	43.9	65.9#

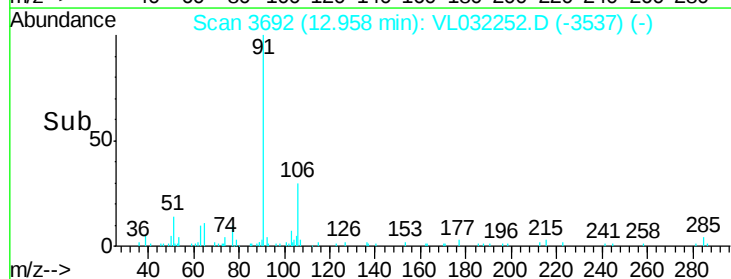
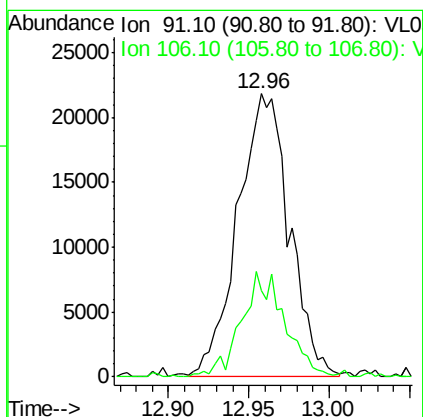
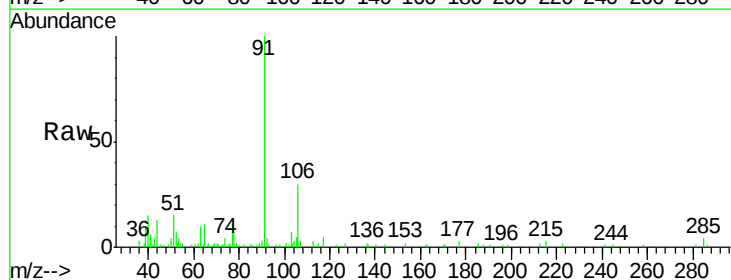
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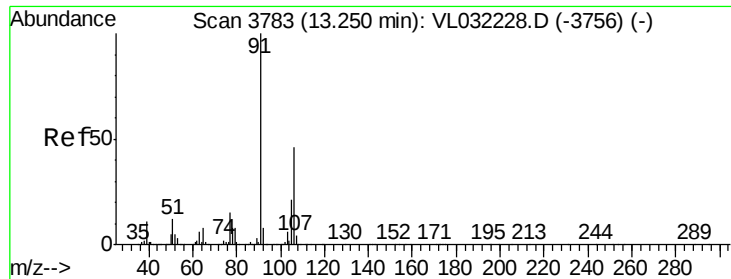
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#58
Ethyl Benzene
Concen: 0.081 ppbv m
RT: 12.96 min Scan# 3692
Delta R.T. -0.00 min
Lab File: VL032252.D
Acq: 13 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7





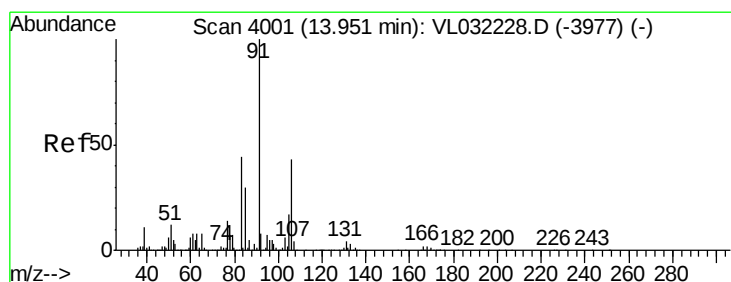
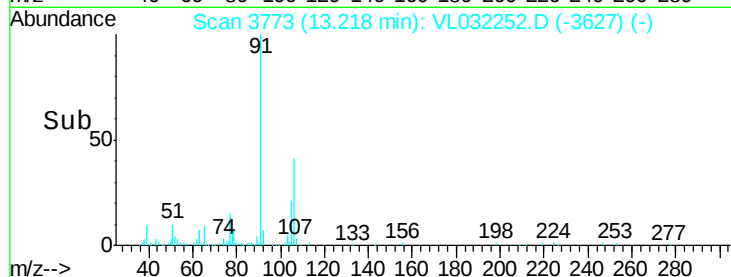
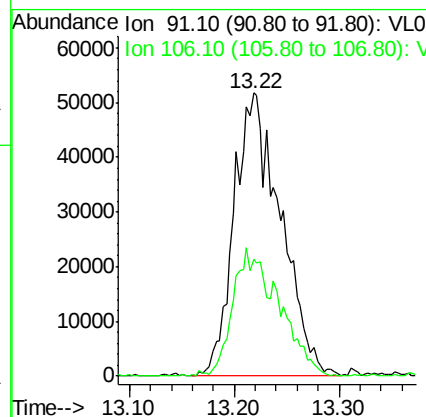
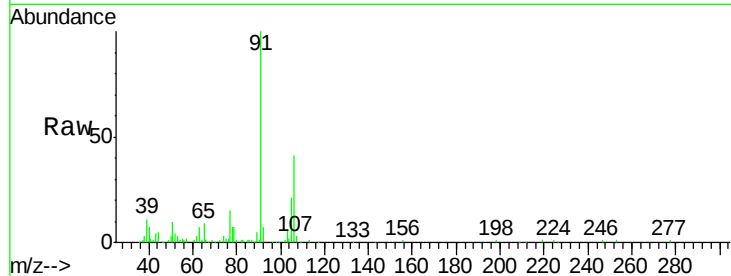
#59
m/p-Xylene
Concen: 0.320 ppbv m
RT: 13.22 min Scan# 3773
Delta R.T. -0.03 min
Lab File: VL032252.D
Acq: 13 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampled :
MIDDLE

Tgt Ion: 91 Resp: 159250
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#

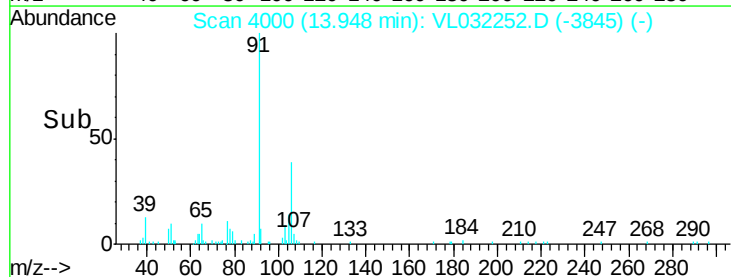
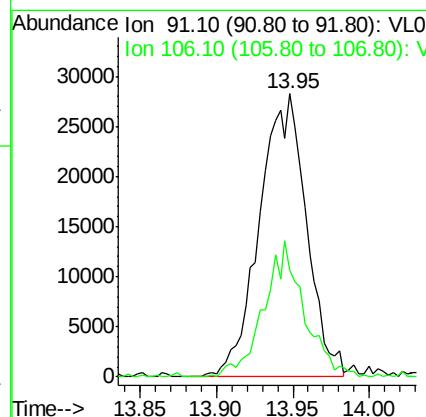
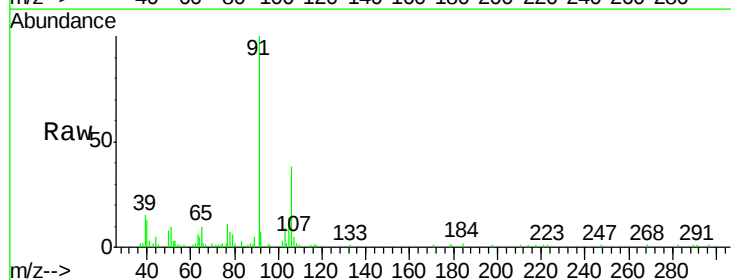
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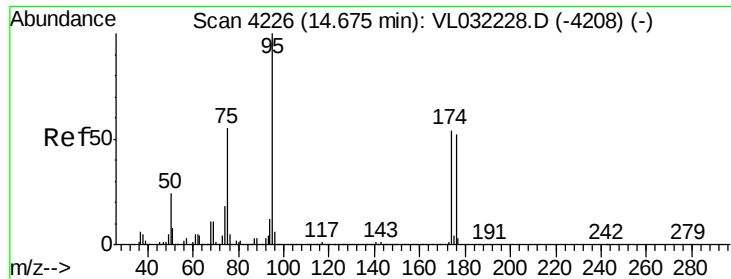
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#60
o-Xylene
Concen: 0.122 ppbv m
RT: 13.95 min Scan# 4000
Delta R.T. -0.00 min
Lab File: VL032252.D
Acq: 13 Jul 2018 19:25

Tgt Ion: 91 Resp: 60079
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.071 ppbv

RT: 14.67 min Scan# 4226

Delta R.T. -0.00 min

Lab File: VL032252.D

Acq: 13 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampled :

MIDDLE

Tgt Ion: 95 Resp: 3235849

Ion Ratio Lower Upper

95 100

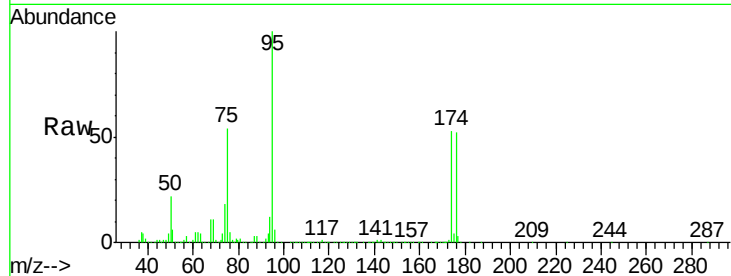
174 55.7 44.6 67.0

175 4.1 3.3 4.9

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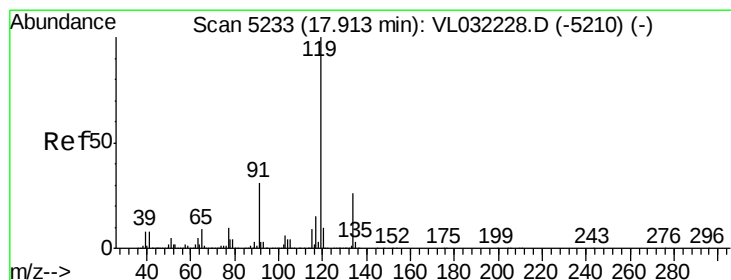
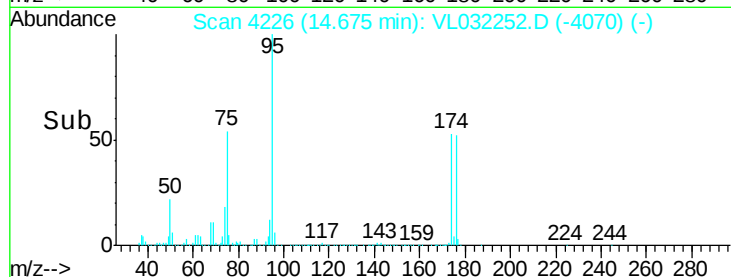
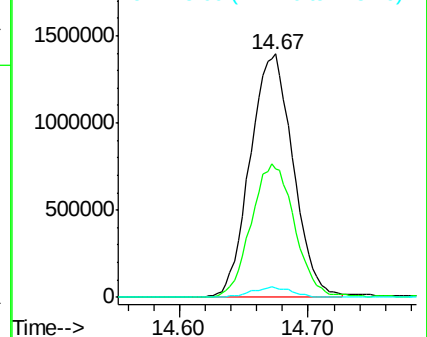
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Abundance Ion 95.10 (94.80 to 95.80): VL032228.D (-4208) (-)

Ion 174.00 (173.70 to 174.70): VL032228.D (-4208) (-)

Ion 175.00 (174.70 to 175.70): VL032228.D (-4208) (-)



#69

p-Isopropyltoluene

Concen: 0.169 ppbv

RT: 17.91 min Scan# 5232

Delta R.T. -0.00 min

Lab File: VL032252.D

Acq: 13 Jul 2018 19:25

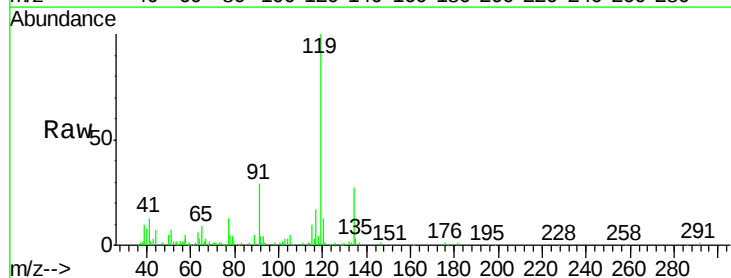
Tgt Ion: 119 Resp: 111094

Ion Ratio Lower Upper

119 100

134 25.2 20.1 30.1

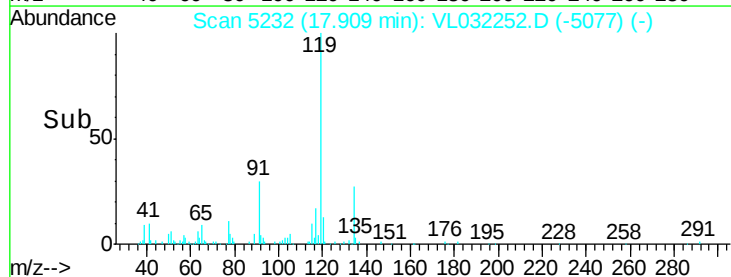
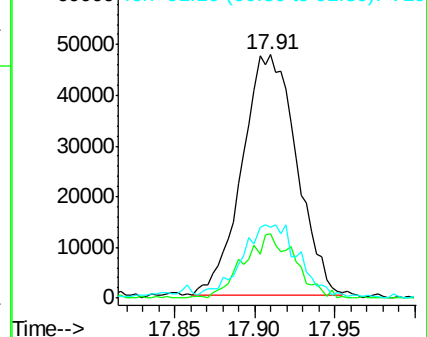
91 35.5 24.2 36.2

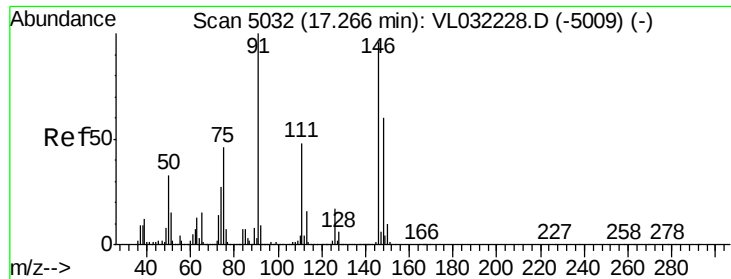


Abundance Ion 119.10 (118.80 to 119.80): VL032228.D (-5210) (-)

Ion 134.20 (133.90 to 134.90): VL032228.D (-5210) (-)

Ion 91.10 (90.80 to 91.80): VL032228.D (-5210) (-)





#75

1,3-Dichlorobenzene

Concen: 0.429 ppbv

RT: 17.26 min Scan# 5031

Delta R.T. -0.00 min

Lab File: VL032252.D

Acq: 13 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

Tgt Ion:	146	Resp:	133947
Ion Ratio	Lower	Upper	
146	100		
111	51.0	24.9	74.7
148	100.3	31.9	95.5#

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