

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035452.D
 Acq On : 18 Aug 2020 21:48
 Operator : SY/AP
 Sample : L3725-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-04

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:24 AM

Quant Time: Aug 19 11:15:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 18 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1152614	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	5381964	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5488377	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	4049917	10.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	55392	0.259 ppbv	95
3) Chlorodifluoromethane	2.99	51	38231	0.265 ppbv	100
4) Chloromethane	3.14	50	19305	0.256 ppbv	92
5) Vinyl Chloride	3.26	62	4838m	0.054 ppbv	
9) Propene	3.01	41	1743709	30.018 ppbv	99
10) Heptane	8.14	43	292389	1.920 ppbv #	82
11) Trichlorofluoromethane	3.96	101	108785	0.325 ppbv	99
13) Ethanol	3.62	45	2715163	127.578 ppbv	99
15) Acetone	3.85	43	10511405	79.232 ppbv #	38
17) tert-Butyl alcohol	4.31	59	1203234	7.017 ppbv	99
20) Methylene Chloride	4.36	84	618796	5.781 ppbv #	63
26) Hexane	5.70	57	676458	4.643 ppbv #	33
27) Carbon Disulfide	4.56	76	1016206	4.826 ppbv #	85
28) Methyl tert-Butyl Ether	5.05	73	30897	0.116 ppbv #	1
29) Chloroform	5.78	83	247290	0.845 ppbv	100
30) Cyclohexane	7.15	84	208848	1.292 ppbv #	62
34) 2-Butanone	5.25	43	6890187	38.318 ppbv #	54
35) Carbon Tetrachloride	7.03	117	11717m	0.041 ppbv	
36) Benzene	6.91	78	1025924	2.597 ppbv #	88
41) Tetrahydrofuran	6.06	42	2588820	26.100 ppbv #	53
43) Methyl Methacrylate	8.03	69	298491	1.932 ppbv #	64
44) 2,2,4-Trimethylpentane	7.89	57	353717	0.686 ppbv #	87
50) 4-Methyl-2-Pentanone	8.76	43	4800023	18.609 ppbv #	76
51) 2-Hexanone	10.16	43	778923	3.583 ppbv #	77
52) Tetrachloroethene	11.25	164	50639	0.210 ppbv #	85
53) Toluene	9.83	91	4600899	9.043 ppbv	97
58) Ethyl Benzene	12.74	91	1421662	2.146 ppbv	93
59) m/p-Xylene	13.00	91	3989795	7.124 ppbv #	82
60) o-Xylene	13.72	91	1580522	2.904 ppbv	88
61) Styrene	13.56	104	304133	0.691 ppbv #	87
62) Isopropylbenzene	14.70	105	227216	0.255 ppbv	96
64) n-propylbenzene	15.59	120	218874m	0.796 ppbv	
65) tert-Butylbenzene	16.80	119	494281	0.570 ppbv #	89
67) sec-Butylbenzene	17.33	105	182084	0.160 ppbv	95
69) p-Isopropyltoluene	17.69	119	313796	0.310 ppbv	93
70) n-Butylbenzene	18.61	91	549131	0.574 ppbv #	31
72) 4-Ethyltoluene	15.87	105	1179764	1.652 ppbv #	91
73) 1,3,5-Trimethylbenzene	16.03	105	1151521	1.732 ppbv	90
74) 1,2,4-Trimethylbenzene	16.80	105	3887158	5.382 ppbv #	70
79) Naphthalene	22.26	128	1257597	1.237 ppbv	98
80) Naphthalene,2-methyl-	25.01	142	426796	1.015 ppbv	96

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QLast Update : Mon Aug 17 19:28:30 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

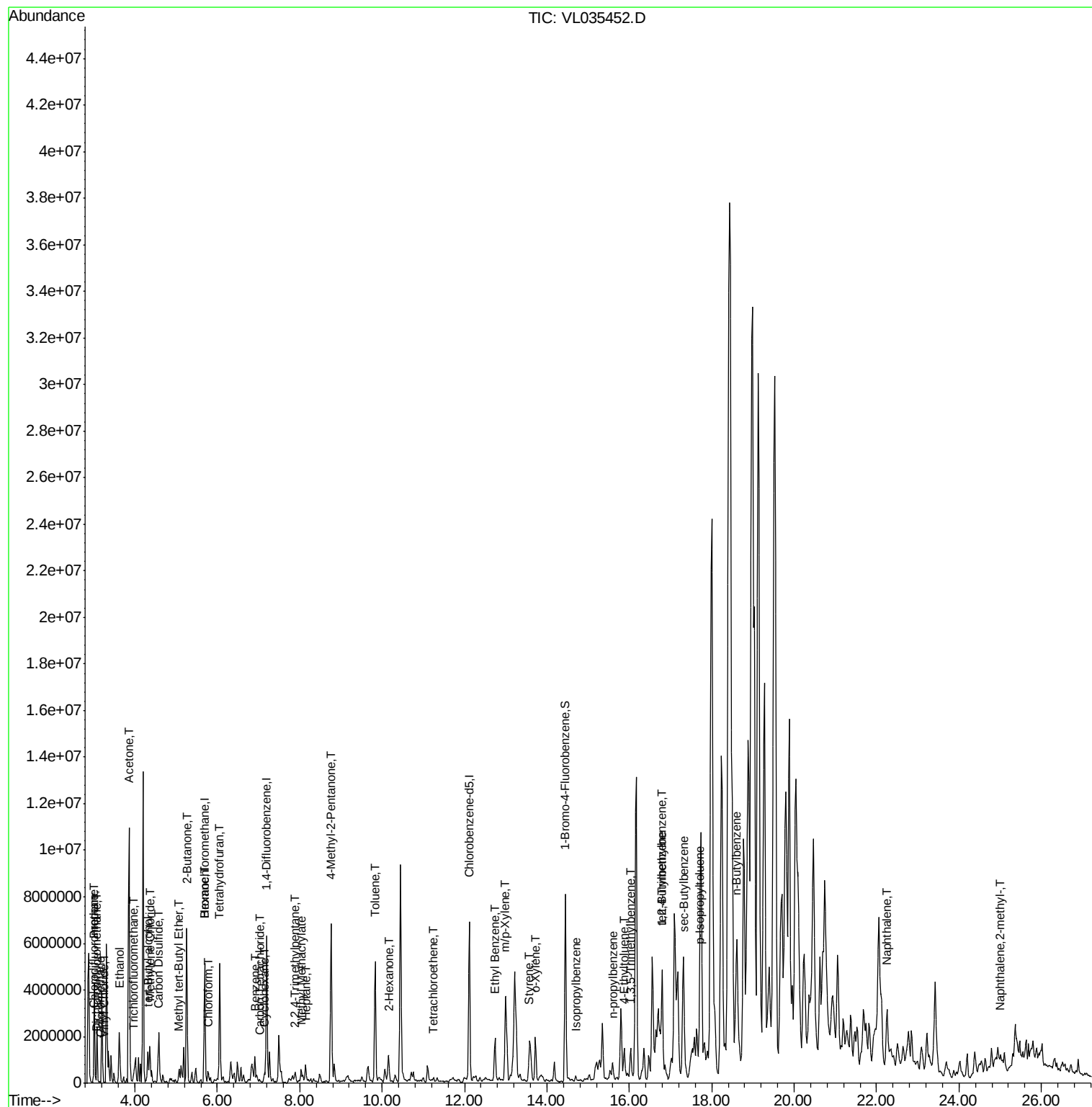
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081820\
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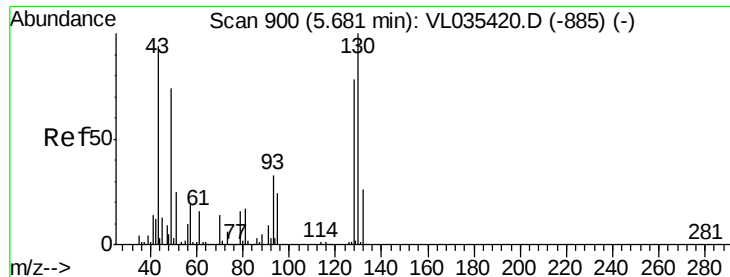
Instrument :
MSVOA_L
ClientSampled :
SS-04

Manual Integrations
APPROVED

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8/20/2020 11:07:24 AM

Quant Time: Aug 19 11:15:27 2020
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.01 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Instrument :

MSVOA_L

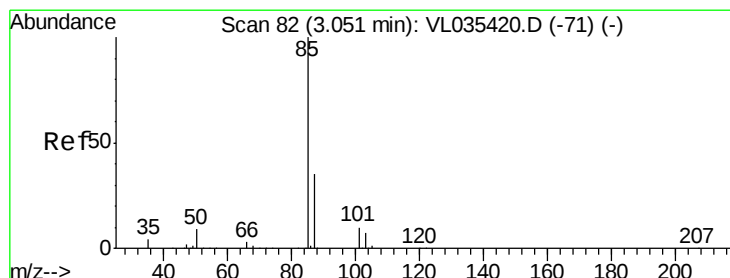
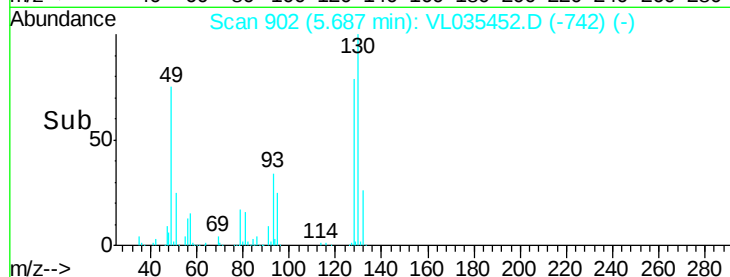
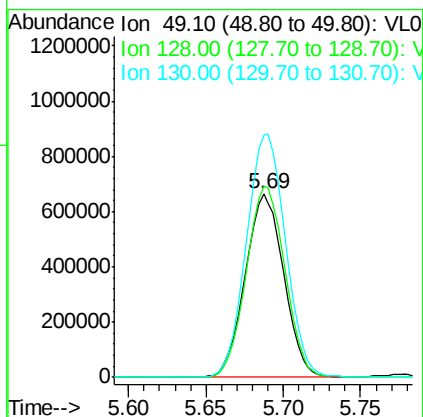
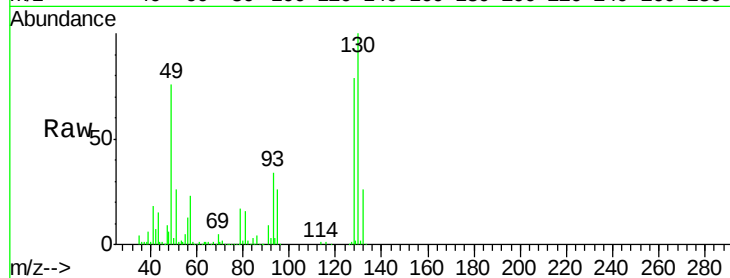
ClientSampleId :

SS-04

Tot Ion	Ratio	Lower	Upper
49	100		
128	105.1	20.9	62.7#
130	135.1	26.7	80.1#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.259 ppbv

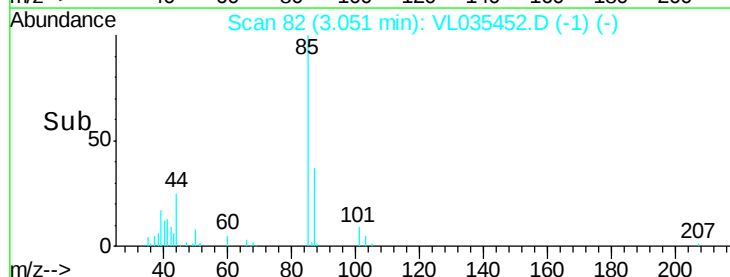
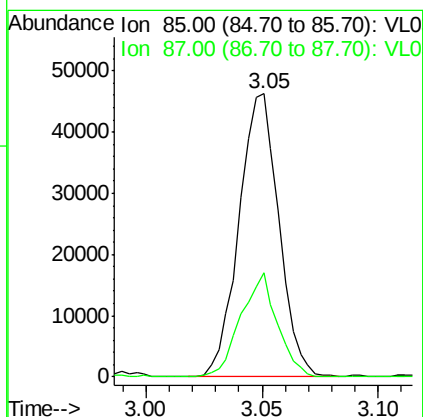
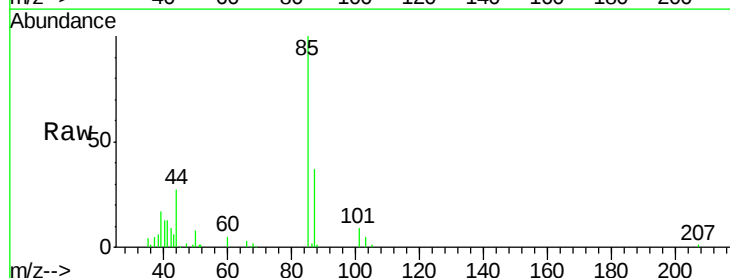
RT: 3.05 min Scan# 82

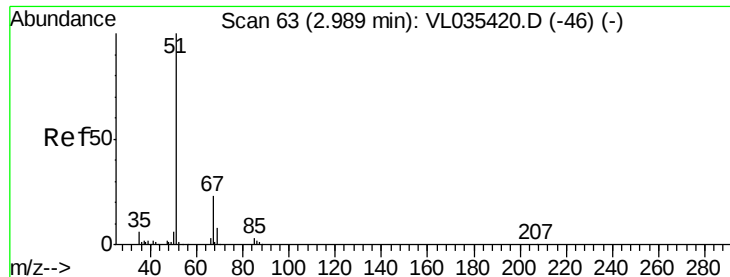
Delta R.T. 0.01 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Tgt Ion	Ratio	Lower	Upper
85	100		
87	36.8	27.1	40.7





#3

Chlorodifluoromethane

Concen: 0.265 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

SS-04

Tot Ion: 51 Resp: 38231

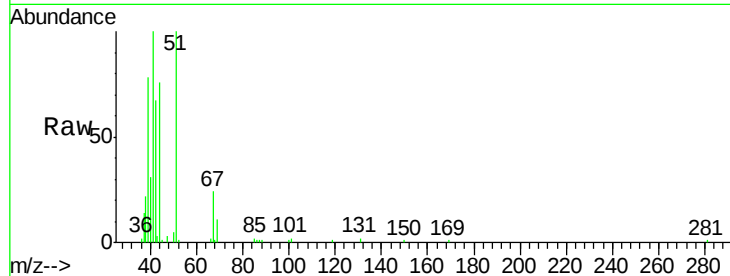
Ion Ratio Lower Upper

51 100

67 18.8 15.0 22.6

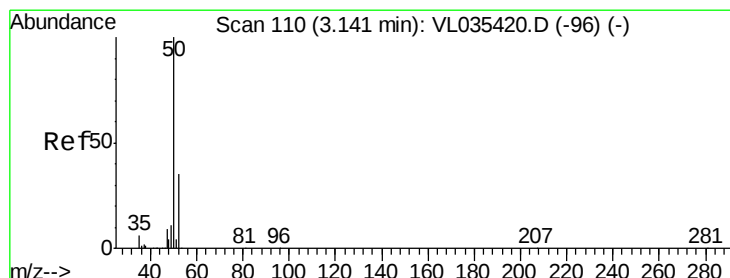
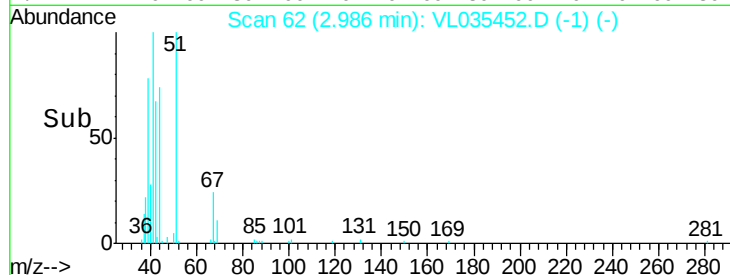
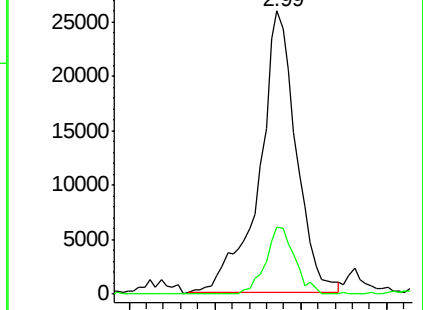
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.256 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL035452.D

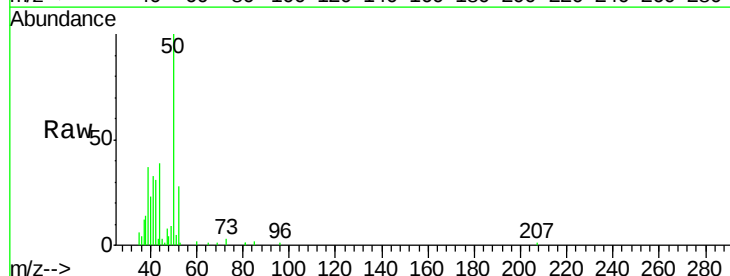
Acq: 18 Aug 2020 21:48

Tgt Ion: 50 Resp: 19305

Ion Ratio Lower Upper

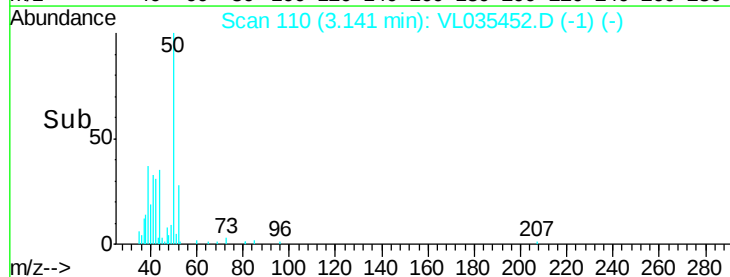
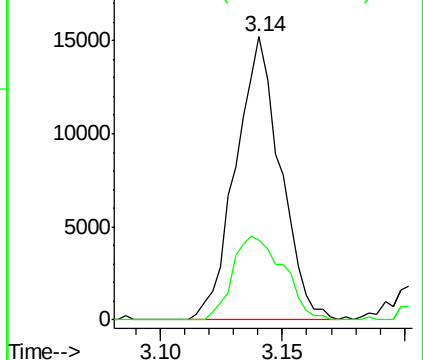
50 100

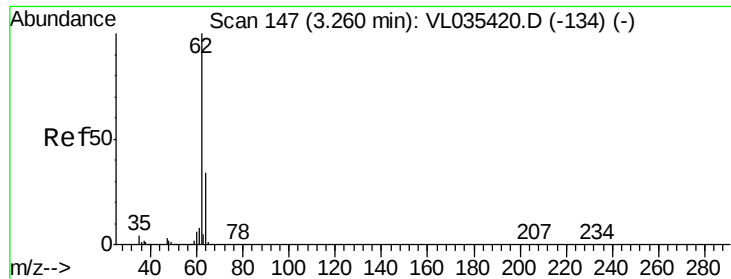
52 28.1 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.054 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

SS-04

Tot Ion: 62 Resp: 4838

Ion Ratio Lower Upper

62 100

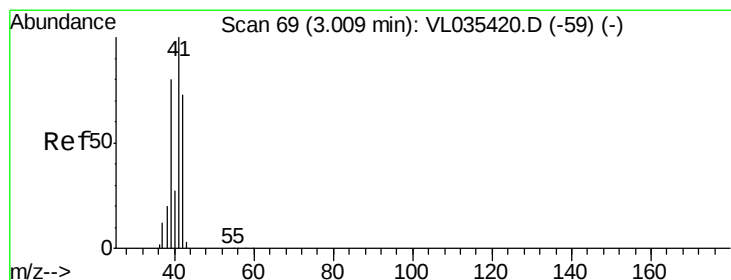
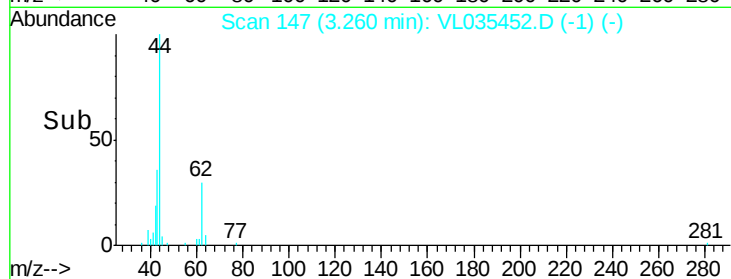
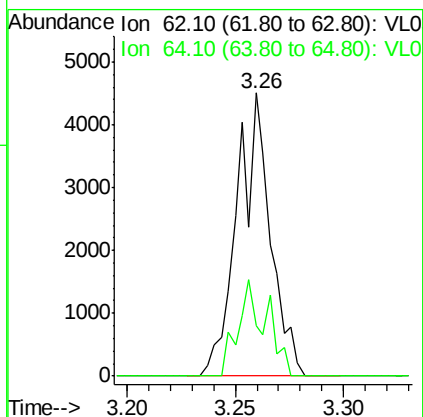
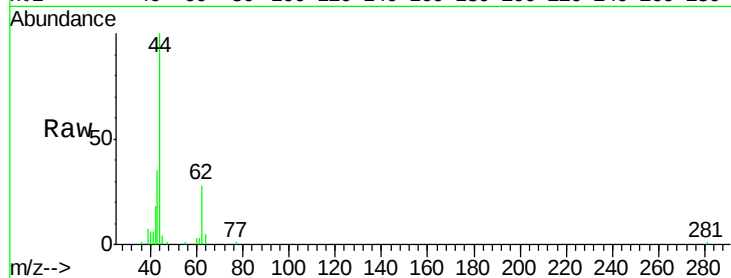
64 17.9 25.0 37.4#

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#9

Propene

Concen: 30.018 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035452.D

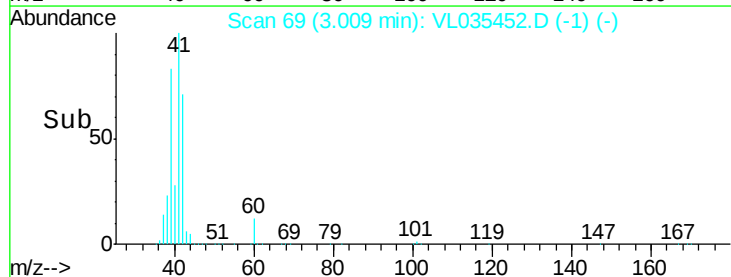
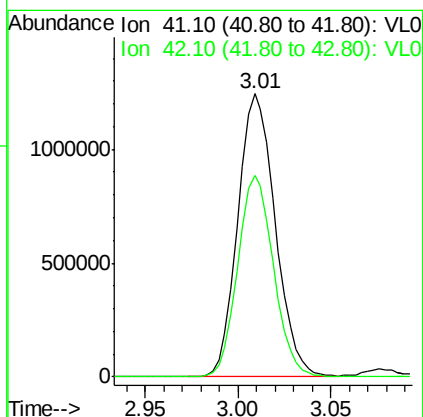
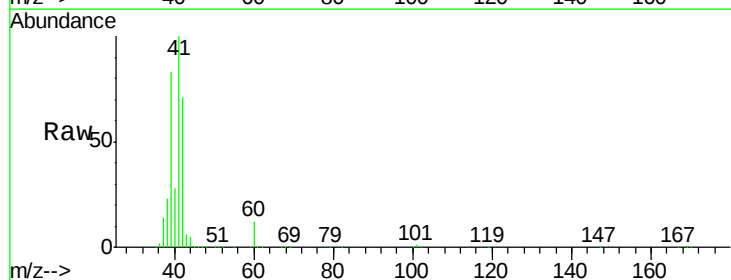
Acq: 18 Aug 2020 21:48

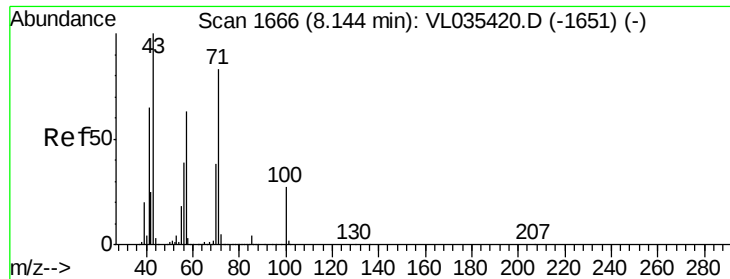
Tgt Ion: 41 Resp: 1743709

Ion Ratio Lower Upper

41 100

42 68.4 55.5 83.3





#10

Heptane

Concen: 1.920 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

SS-04

Tot Ion: 43 Resp: 292389

Ion Ratio Lower Upper

43 100

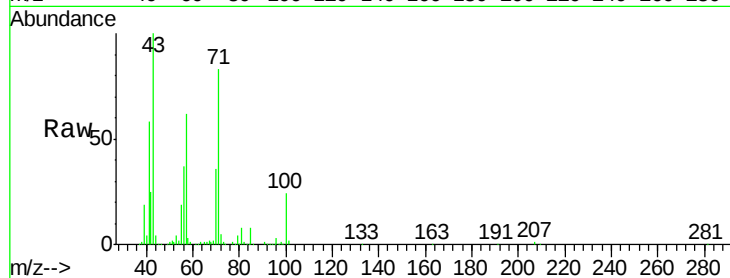
57 62.0 39.8 59.6#

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

150000

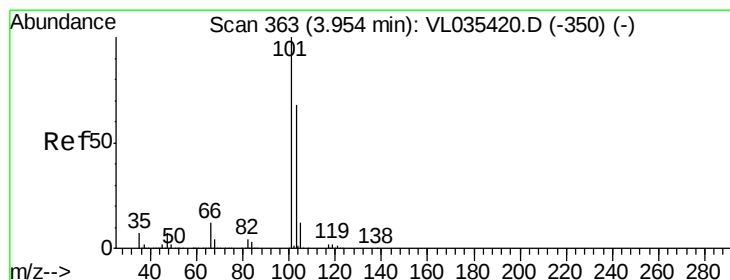
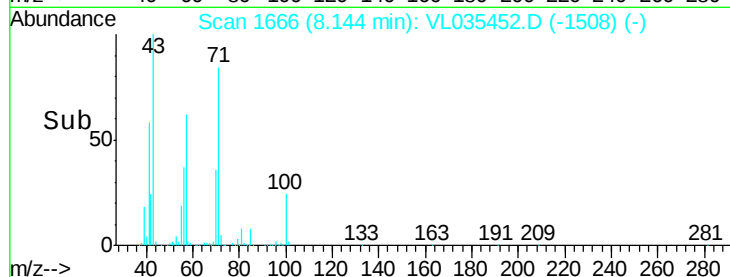
100000

50000

0

8.10 8.15 8.20

Time-->



#11

Trichlorofluoromethane

Concen: 0.325 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL035452.D

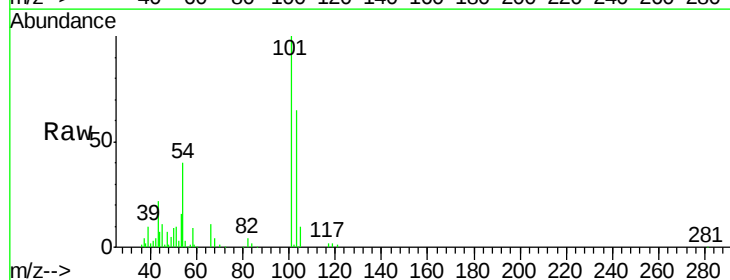
Acq: 18 Aug 2020 21:48

Tgt Ion: 101 Resp: 108785

Ion Ratio Lower Upper

101 100

103 64.7 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

80000

60000

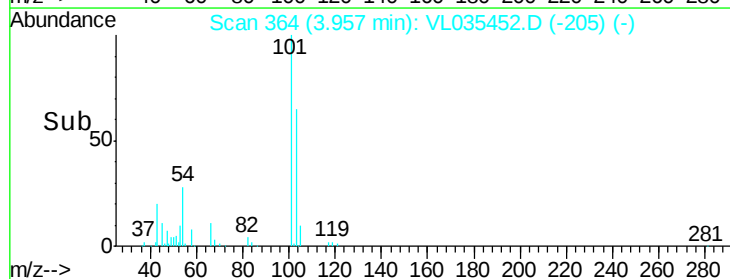
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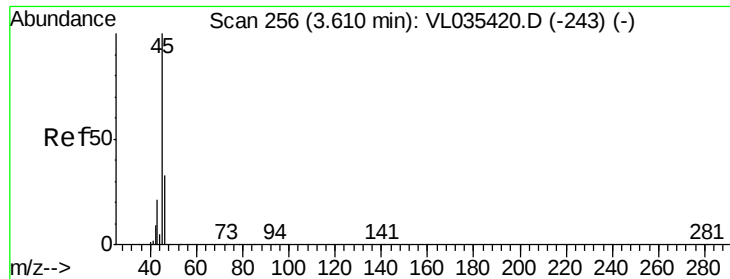
20000

0

3.90 3.95 4.00

Time-->





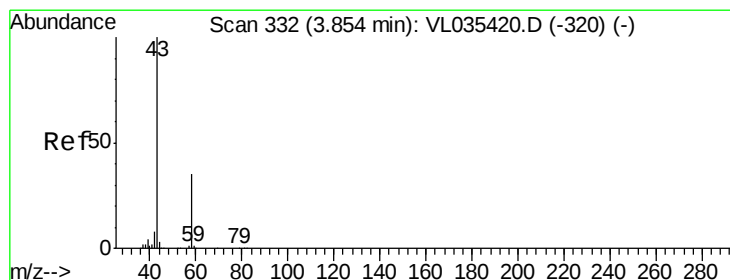
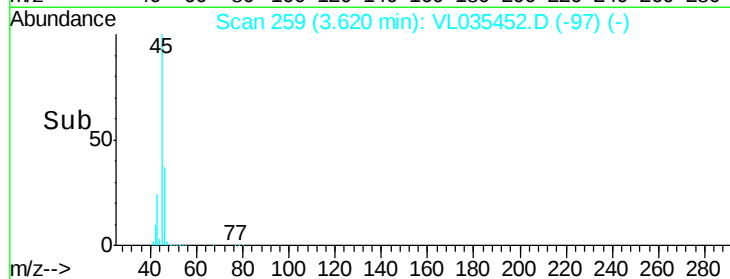
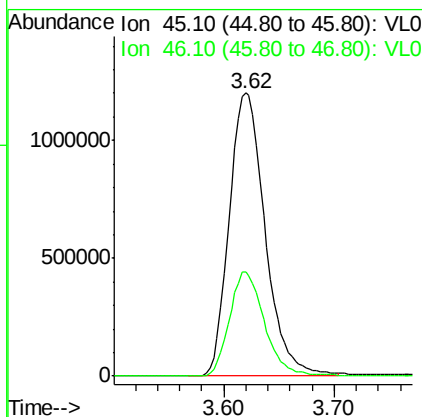
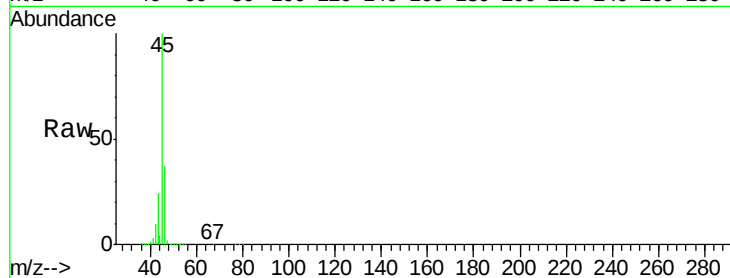
#13
Ethanol
Concen: 127.578 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Instrument :
MSVOA_L
ClientSampled :
SS-04

Tot Ion: 45 Resp: 2715163
Ion Ratio Lower Upper
45 100
46 36.1 14.2 56.6

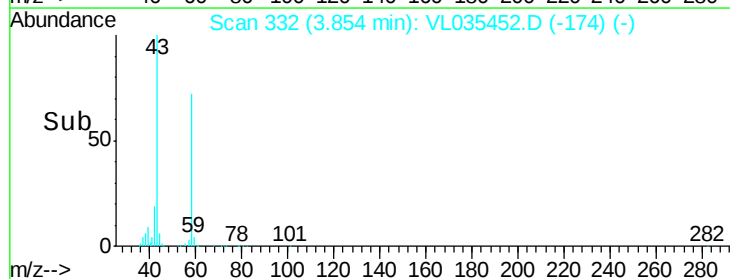
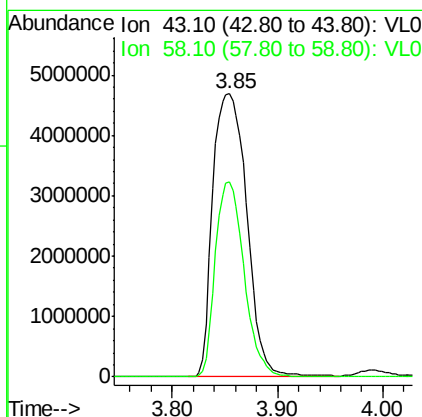
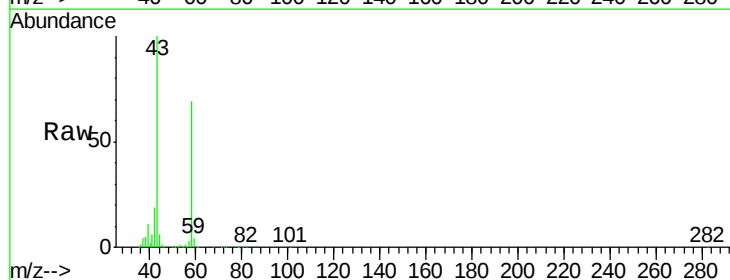
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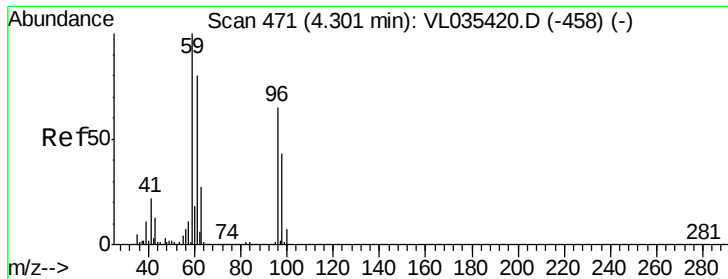
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#15
Acetone
Concen: 79.232 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Tgt Ion: 43 Resp: 10511405
Ion Ratio Lower Upper
43 100
58 58.3 21.0 31.6#





#17

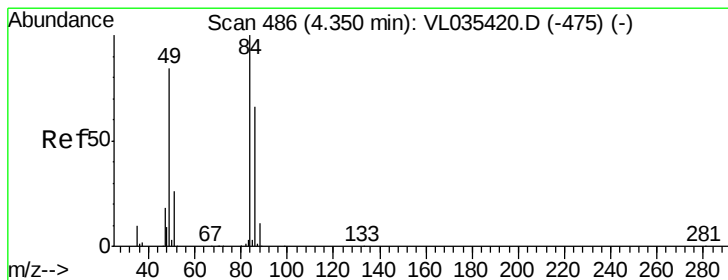
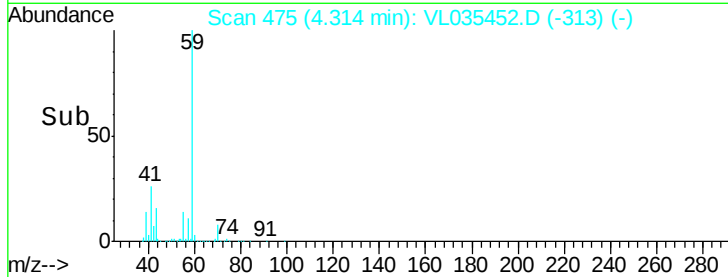
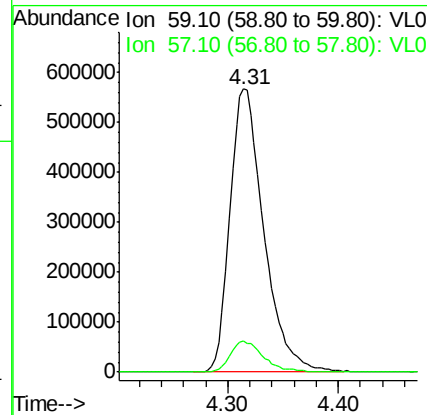
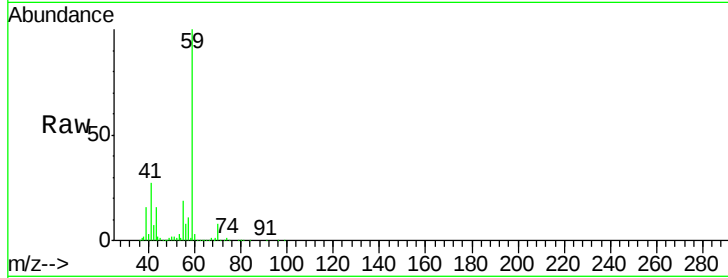
tert-Butyl alcohol
Concen: 7.017 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.02 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Instrument :
MSVOA_L
ClientSampleId :
SS-04

Tot Ion: 59 Resp: 1203234
Ion Ratio Lower Upper
59 100
57 10.8 8.9 13.3

Manual Integrations
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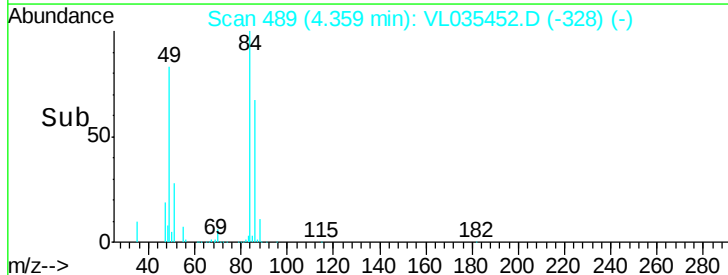
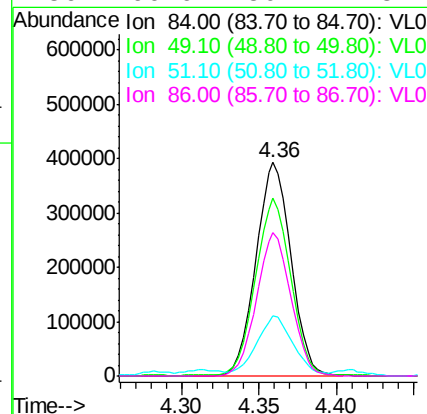
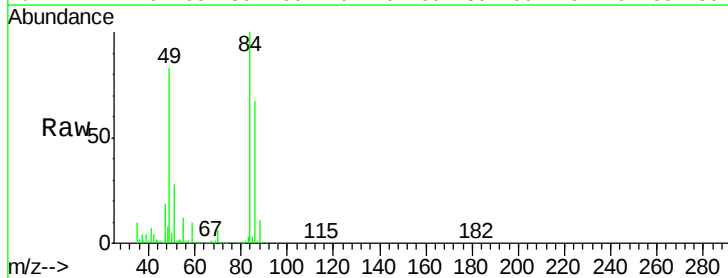
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8/20/2020 11:07:24 AM

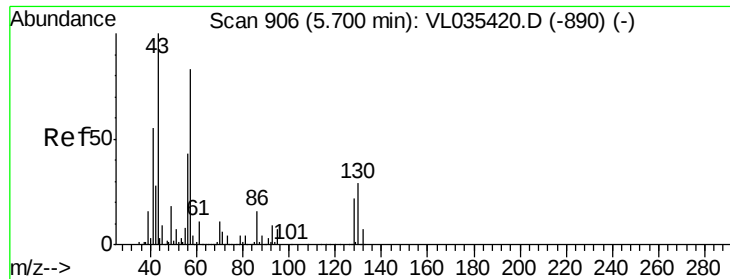


#20

Methylene Chloride
Concen: 5.781 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.02 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Tgt Ion: 84 Resp: 618796
Ion Ratio Lower Upper
84 100
49 82.8 118.6 177.8#
51 25.6 36.4 54.6#
86 66.9 50.2 75.4





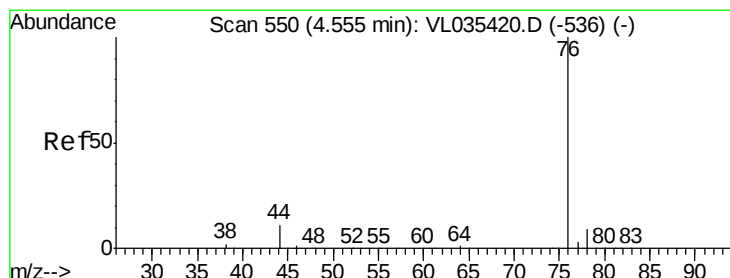
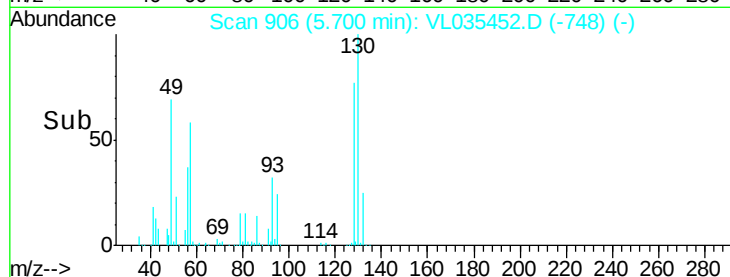
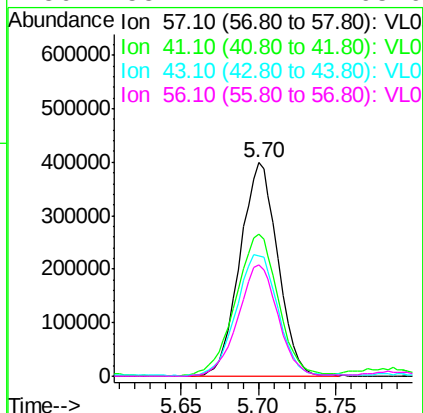
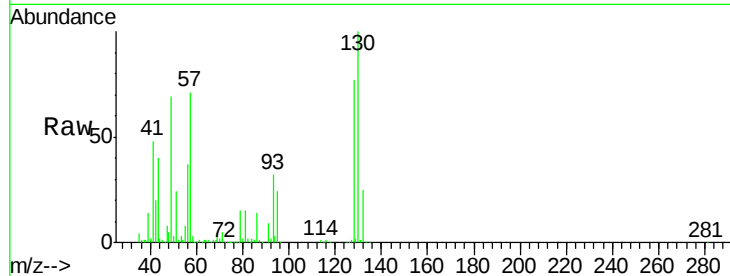
#26
Hexane
Concen: 4.643 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Instrument :
MSVOA_L
ClientSampleId :
SS-04

Tot Ion	Ratio	Lower	Upper
57	100		
41	74.9	75.5	113.3#
43	62.3	181.7	272.5#
56	55.7	42.4	63.6

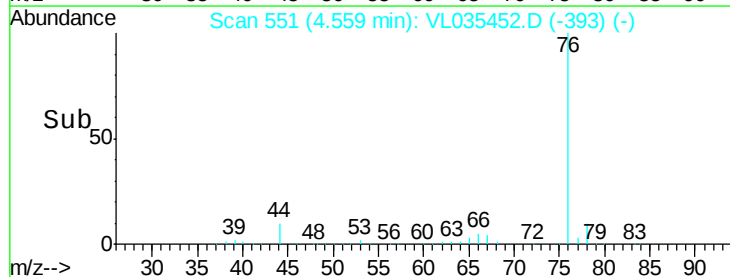
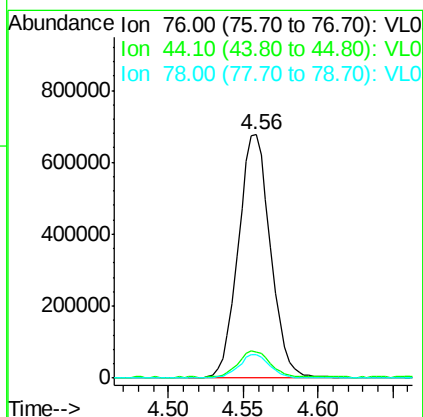
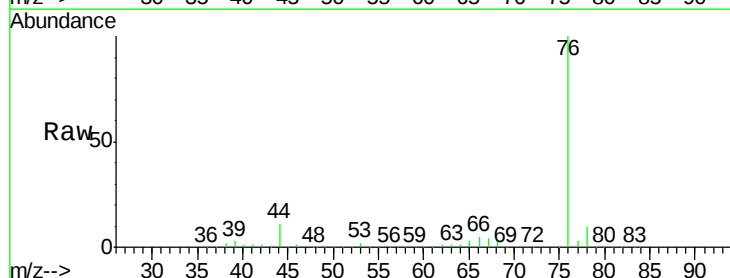
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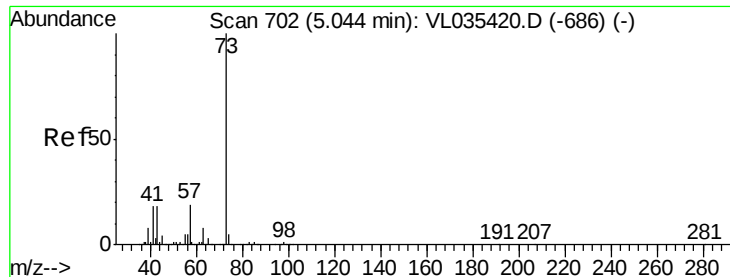
MMDadoda
8/20/2020 11:07:24 AM



#27
Carbon Disulfide
Concen: 4.826 ppbv
RT: 4.56 min Scan# 551
Delta R.T. 0.01 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Tgt Ion	Ratio	Lower	Upper
76	100		
44	11.0	16.8	25.2#
78	9.5	7.3	10.9





#28

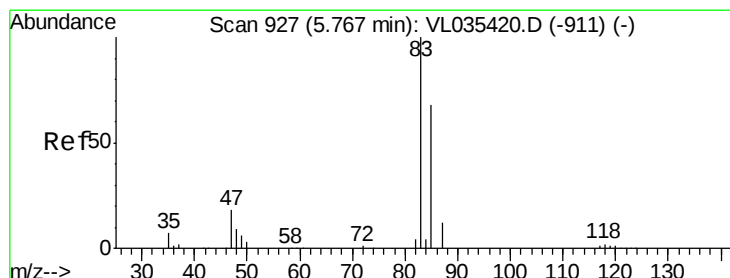
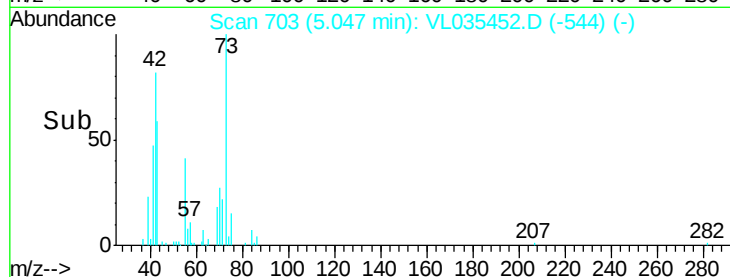
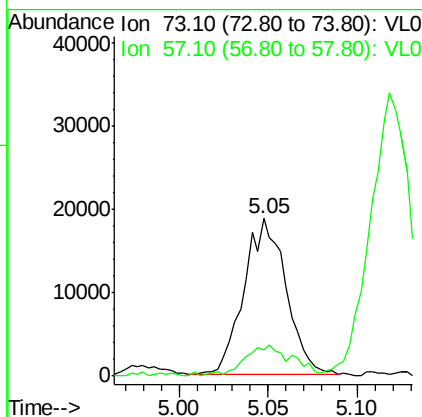
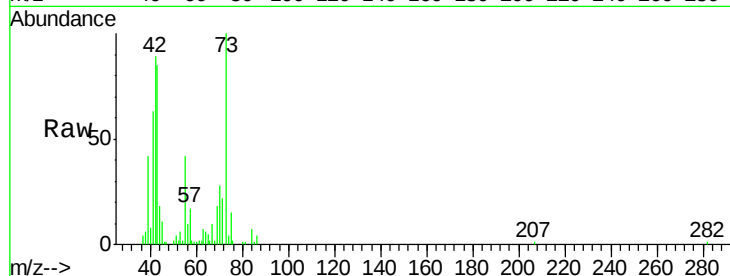
Methvl tert-Butvl Ether
 Concen: 0.116 ppbv
 RT: 5.05 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VL035452.D
 Acq: 18 Aug 2020 21:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-04

Tot Ion	Ratio	Lower	Upper
73	100		
57	171.9	18.3	27.5#

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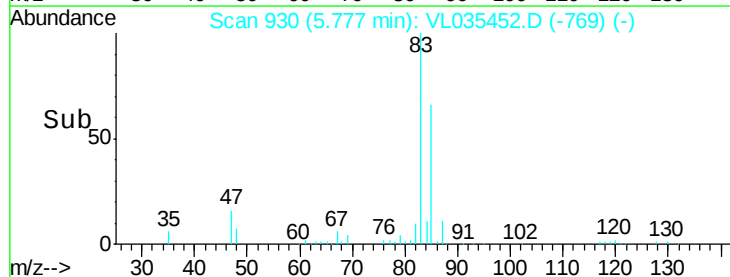
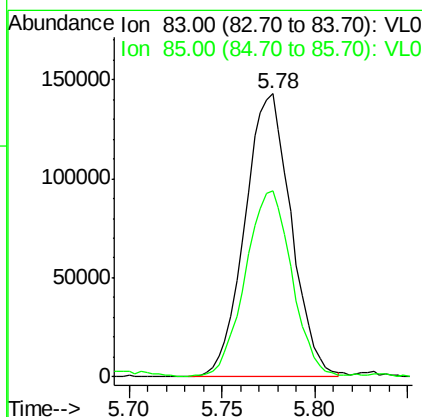
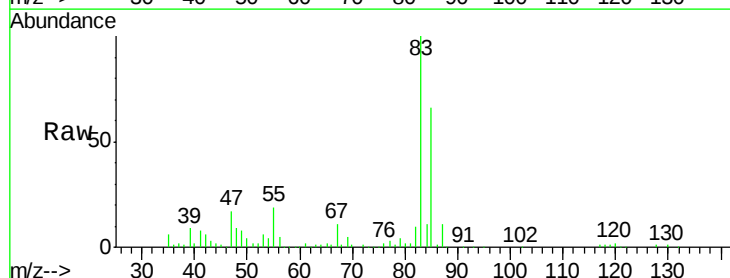
MMDadoda
 8/20/2020 11:07:24 AM

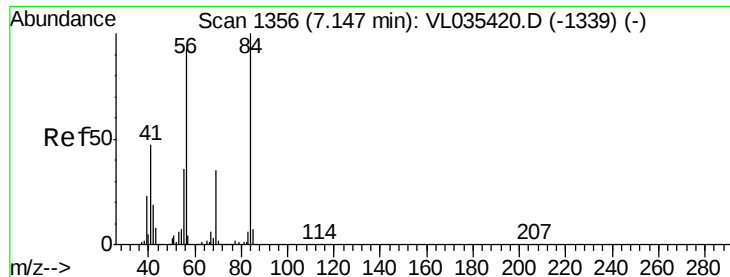


#29

Chloroform
 Concen: 0.845 ppbv
 RT: 5.78 min Scan# 930
 Delta R.T. 0.02 min
 Lab File: VL035452.D
 Acq: 18 Aug 2020 21:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.7	79.1





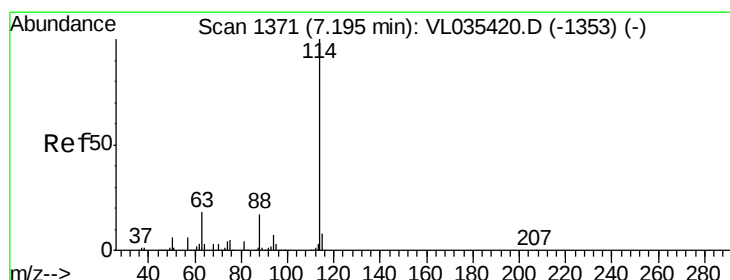
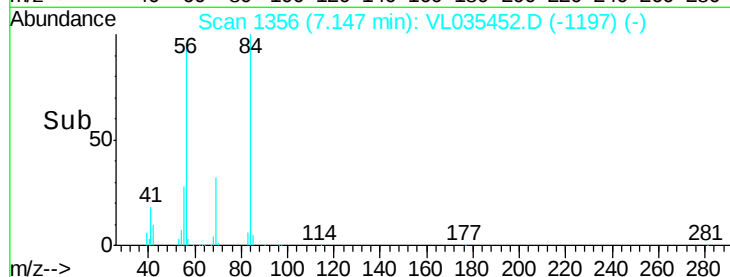
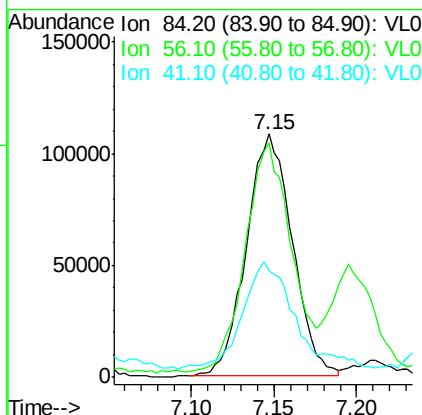
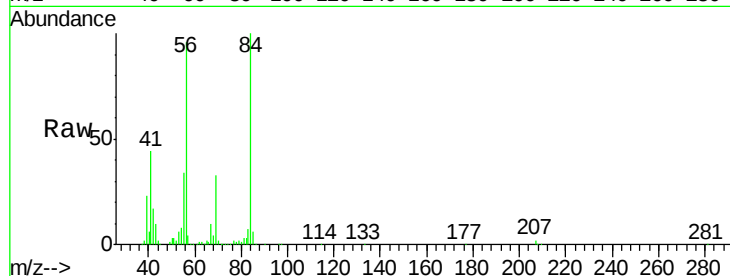
#30
Cvclohexane
Concen: 1.292 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Instrument :
MSVOA_L
ClientSampled :
SS-04

Tot Ion	Ratio	Lower	Upper
84	100		
56	93.1	114.9	172.3#
41	58.4	72.3	108.5#

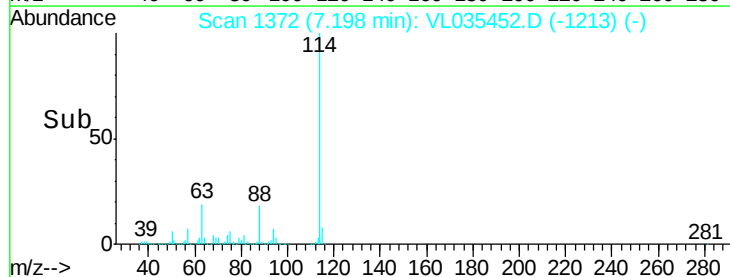
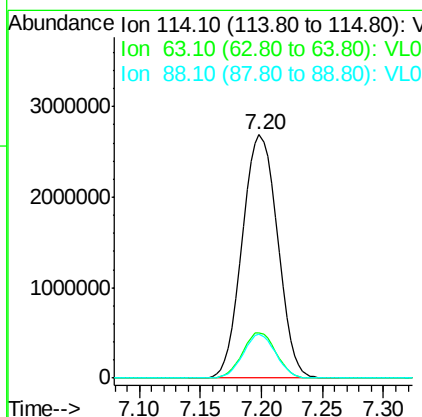
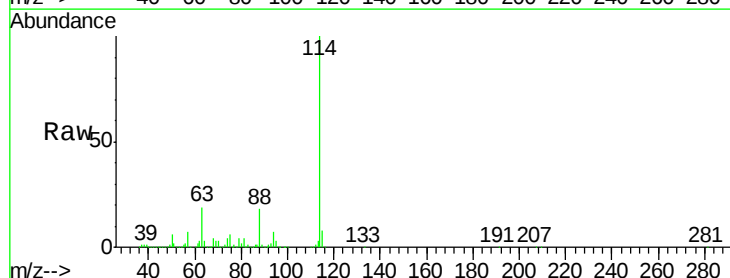
Manual Integrations
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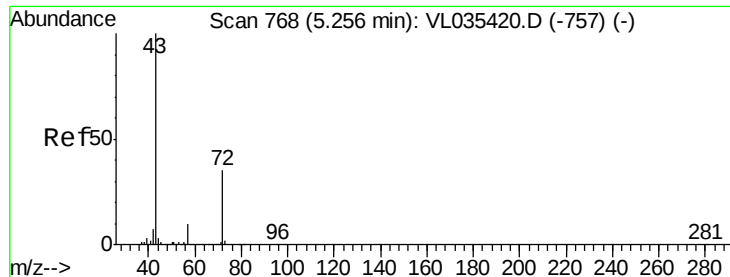
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. 0.01 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	23.1	34.7#
88	16.7	15.9	23.9





#34

2-Butanone

Concen: 38.318 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Instrument :

MSVOA_L

ClientSampled :

SS-04

Tot Ion: 43 Resp: 6890187

Ion Ratio Lower Upper

43 100

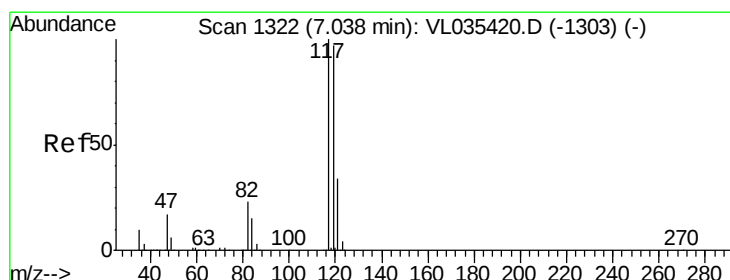
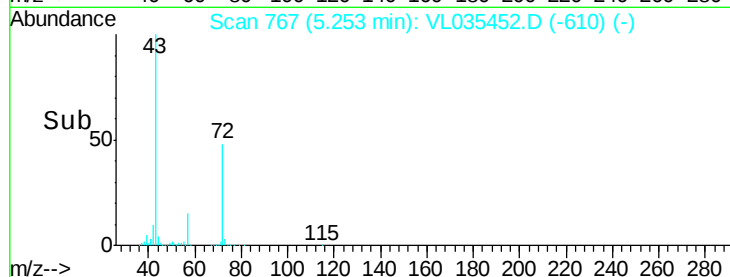
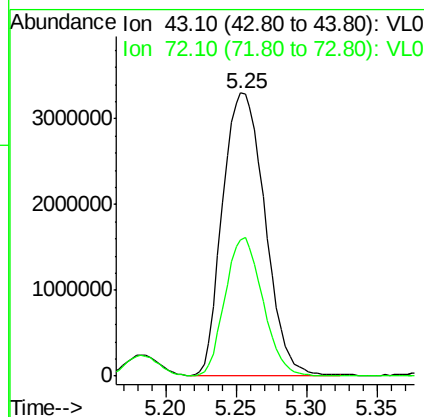
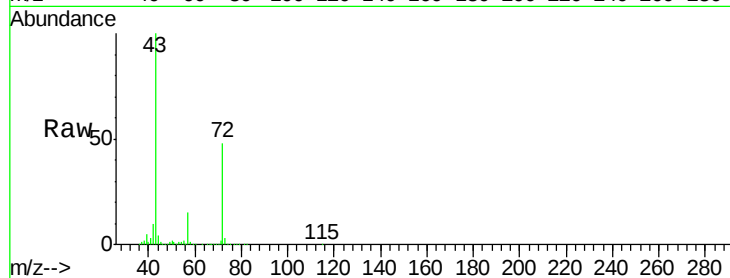
72 44.0 17.6 26.4#

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#35

Carbon Tetrachloride

Concen: 0.041 ppbv m

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

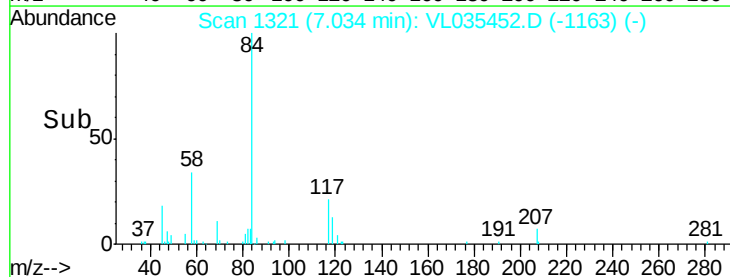
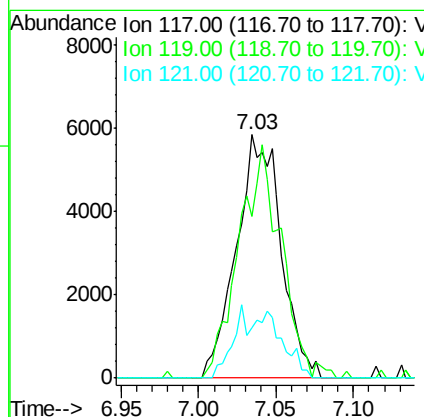
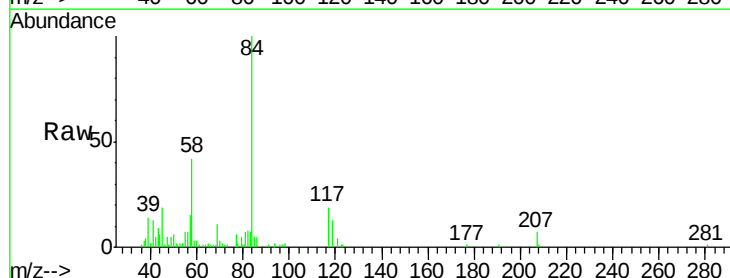
Tgt Ion: 117 Resp: 11717

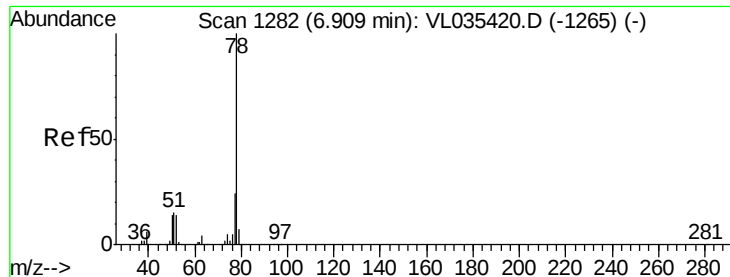
Ion Ratio Lower Upper

117 100

119 66.4 76.1 114.1#

121 20.7 25.5 38.3#





#36

Benzene

Concen: 2.597 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Instrument :

MSVOA_L

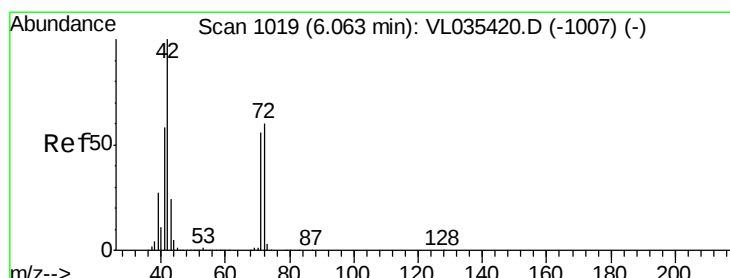
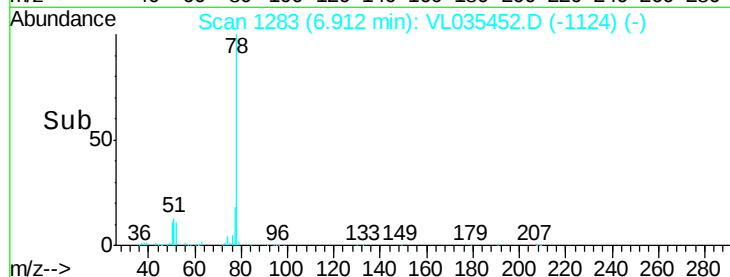
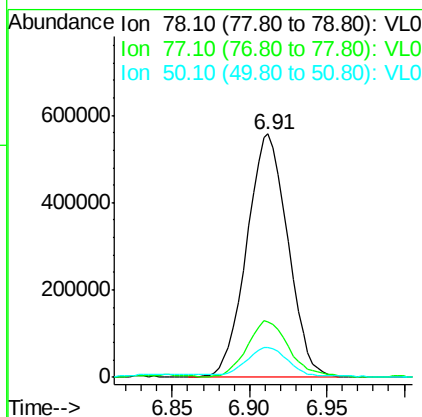
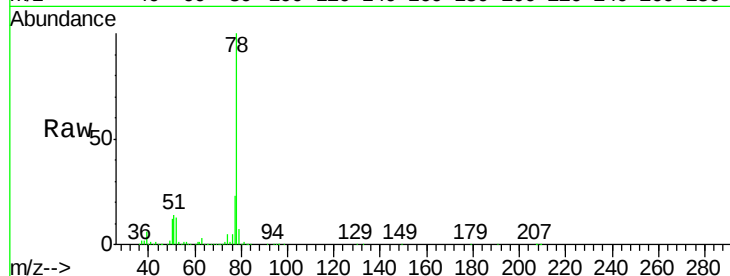
ClientSampled :

SS-04

Tot Ion:	78	Resp:	1025924
Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.6	29.4
50	11.4	16.3	24.5#

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#41

Tetrahydrofuran

Concen: 26.100 ppbv

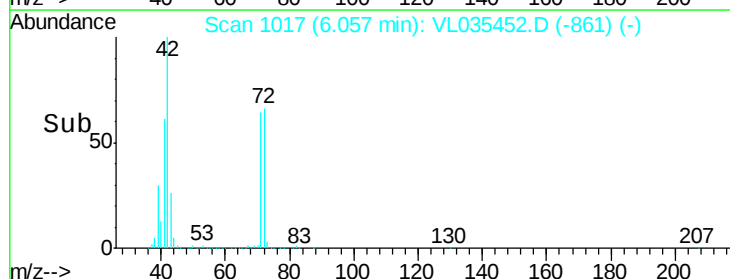
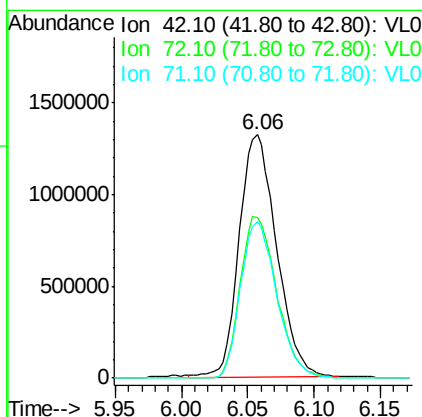
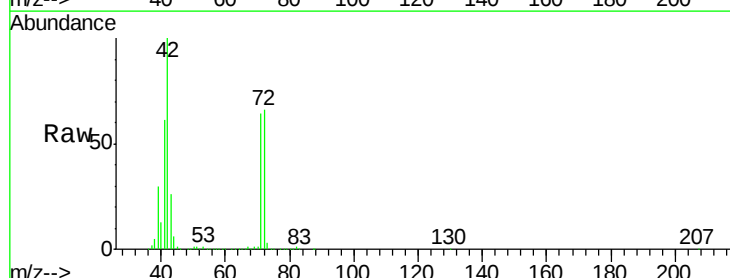
RT: 6.06 min Scan# 1017

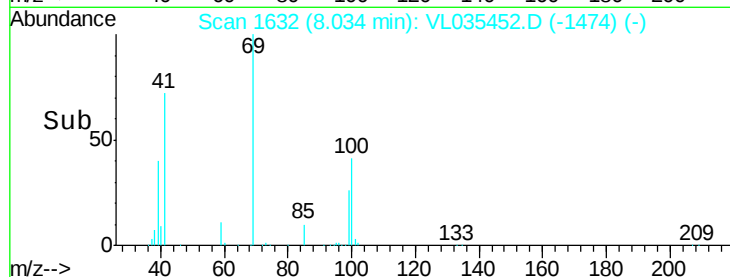
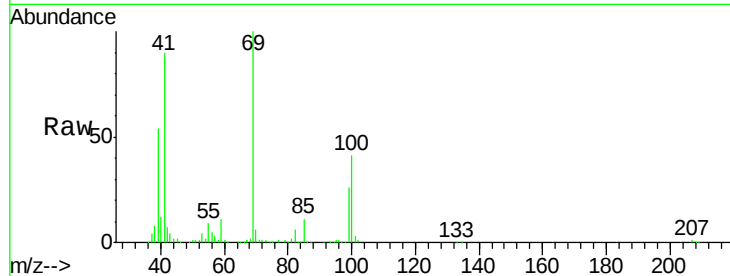
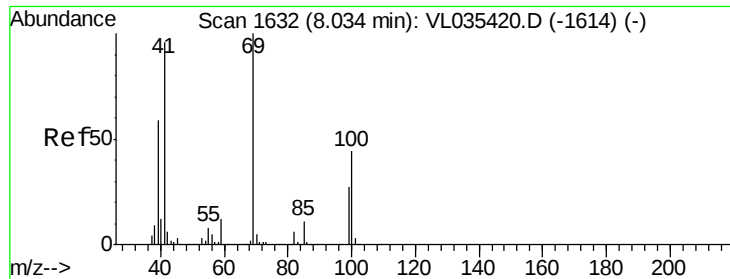
Delta R.T. 0.00 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Tgt Ion:	42	Resp:	2588820
Ion	Ratio	Lower	Upper
42	100		
72	65.8	29.4	44.2#
71	62.8	28.9	43.3#





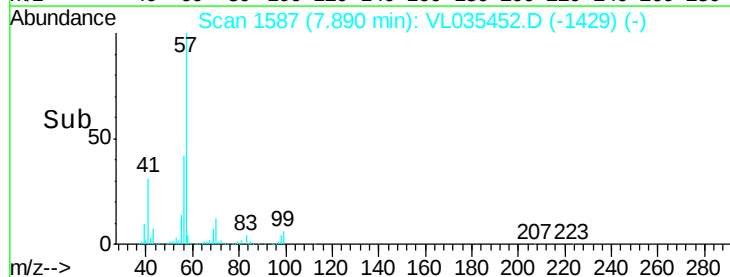
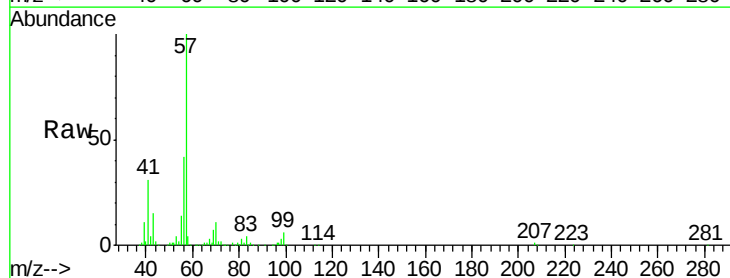
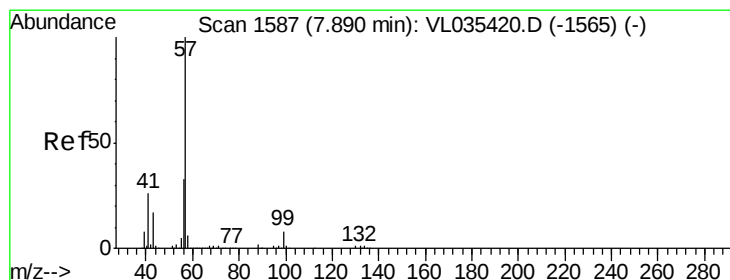
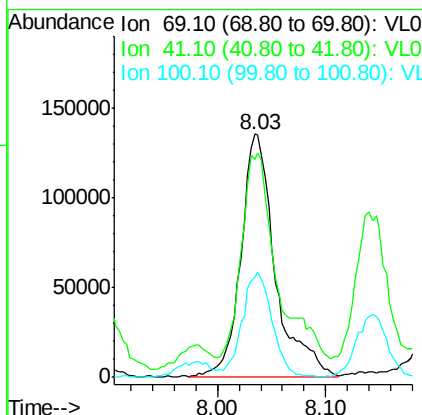
#43
Methvl Methacrylate
Concen: 1.932 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Tot Ion	Ratio	Resp	Lower	Upper
69	100	298491		
41	102.8	123.4	185.0#	
100	37.9	24.2	36.4#	

Instrument :
MSVOA_L
ClientSampleId :
SS-04

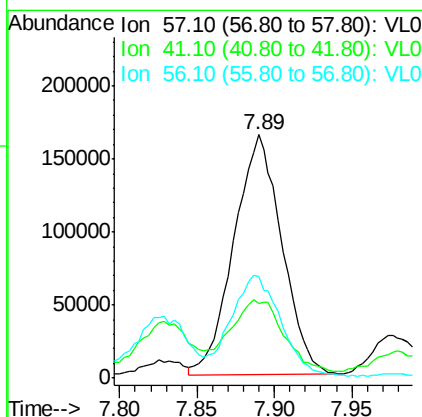
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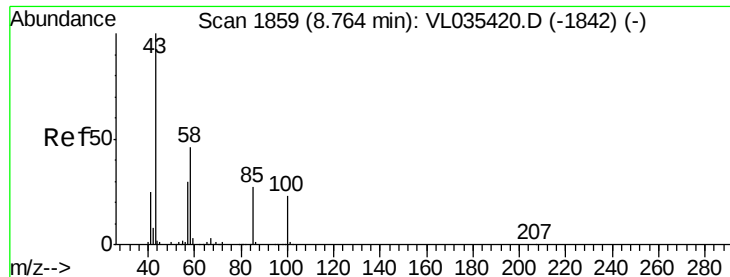
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.686 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	353717		
41	36.2	27.2	40.8	
56	44.2	25.4	38.0#	





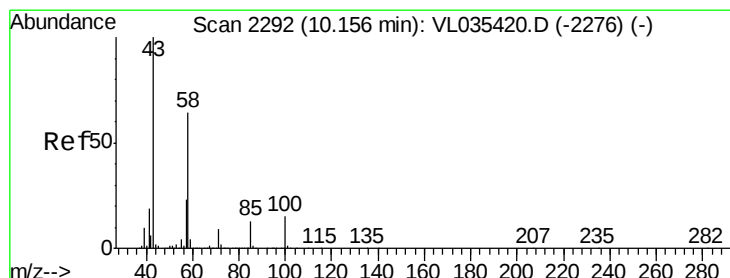
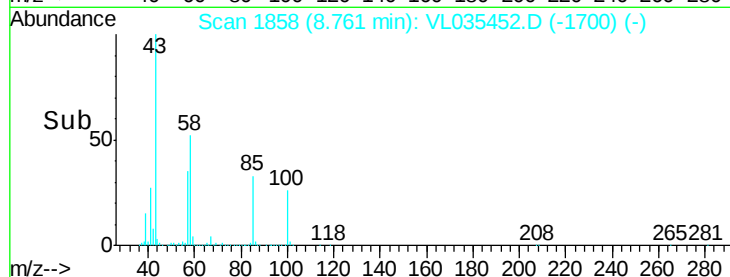
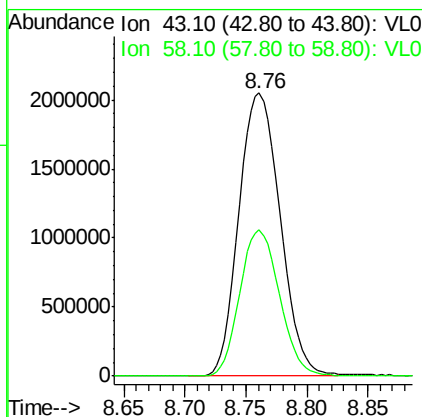
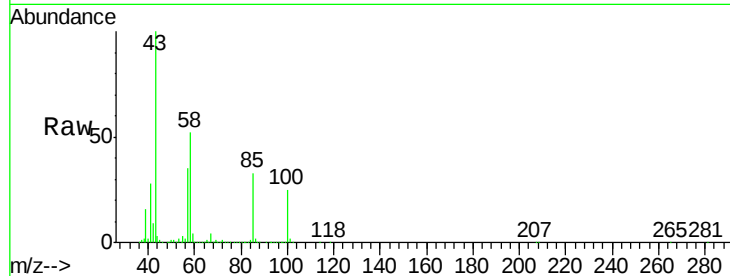
#50
4-Methyl-2-Pentanone
Concen: 18.609 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.01 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Instrument :
MSVOA_L
ClientSampled :
SS-04

Tot Ion: 43 Resp: 4800023
Ion Ratio Lower Upper
43 100
58 50.1 28.7 43.1#

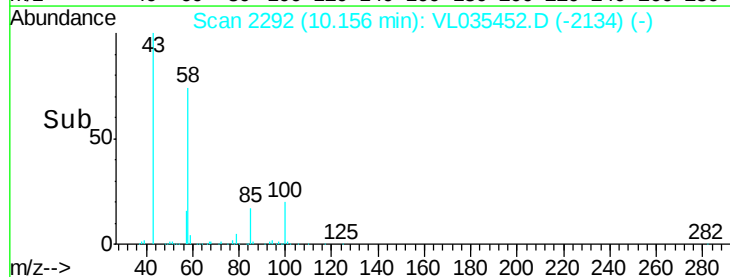
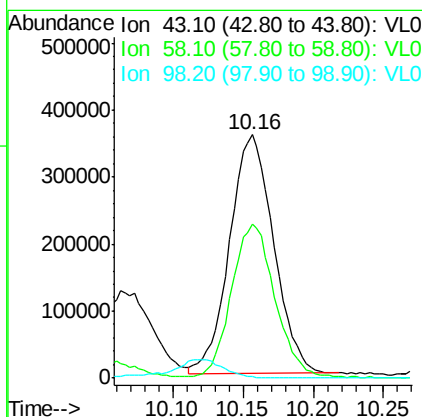
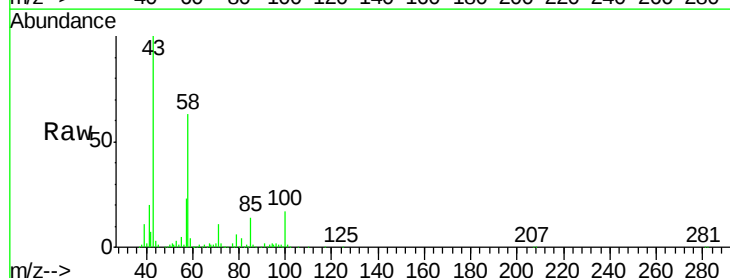
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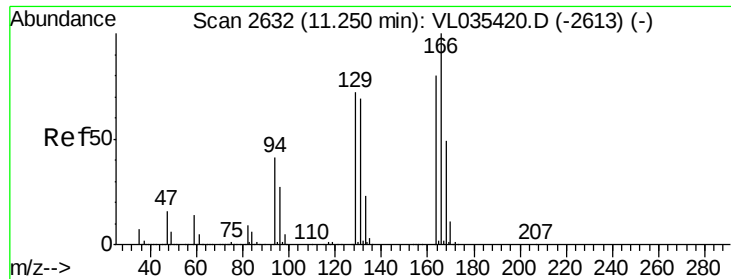
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#51
2-Hexanone
Concen: 3.583 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Tgt Ion: 43 Resp: 778923
Ion Ratio Lower Upper
43 100
58 64.0 38.6 58.0#
98 9.5 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.210 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.01 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Instrument :

MSVOA_L

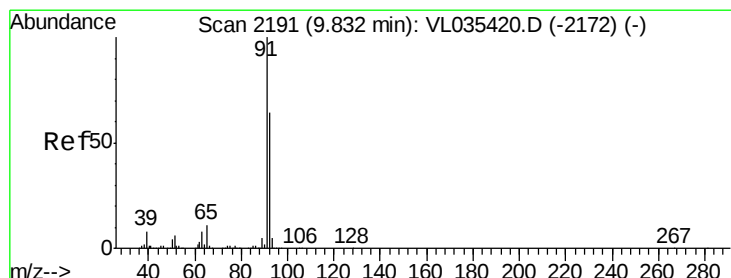
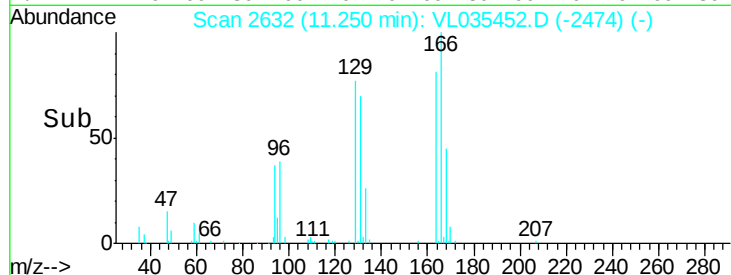
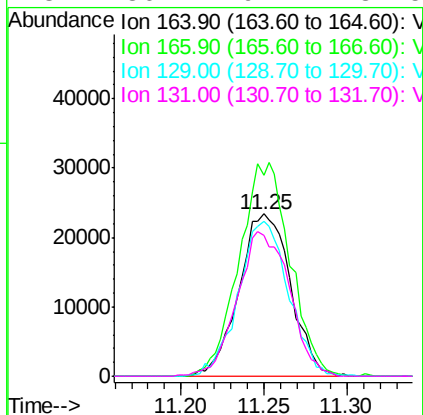
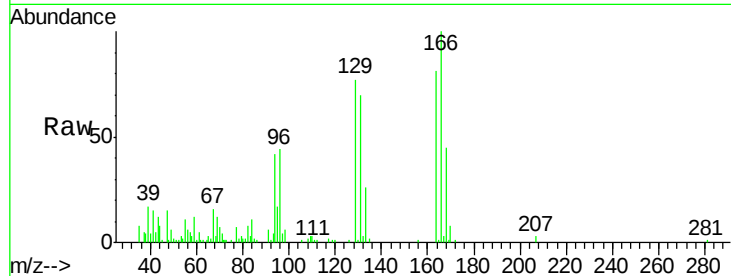
ClientSampleId :

SS-04

Tot Ion:	164	Resp:	50639
Ion	Ratio	Lower	Upper
164	100		
166	123.8	103.4	155.0
129	94.7	90.2	135.4
131	86.7	91.7	137.5#

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#53

Toluene

Concen: 9.043 ppbv

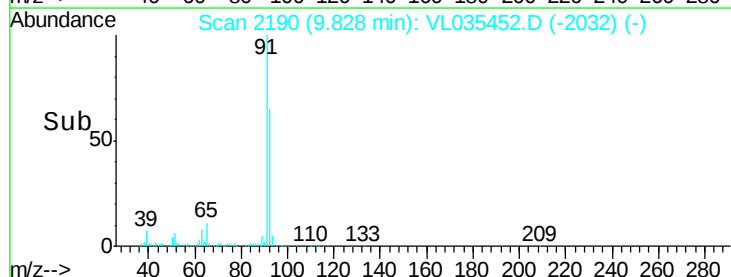
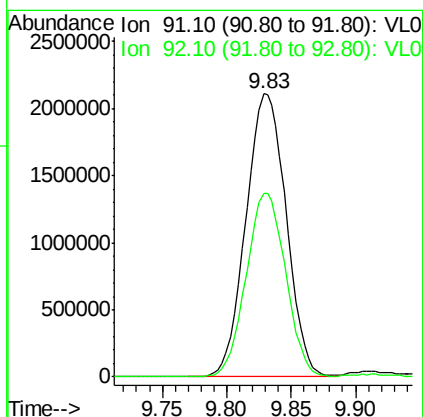
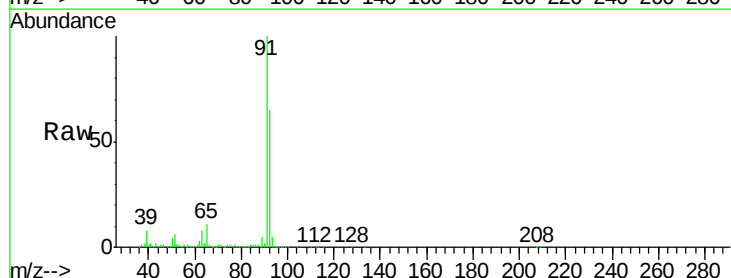
RT: 9.83 min Scan# 2190

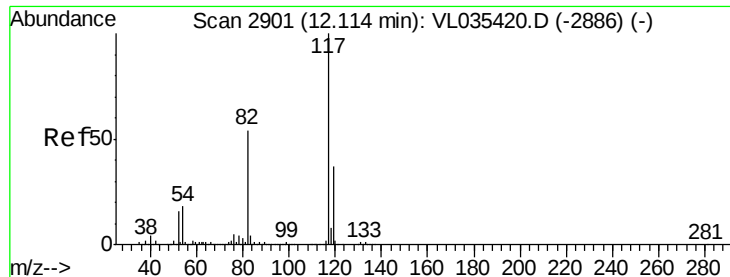
Delta R.T. 0.01 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Tgt Ion:	91	Resp:	4600899
Ion	Ratio	Lower	Upper
91	100		
92	63.4	49.1	73.7





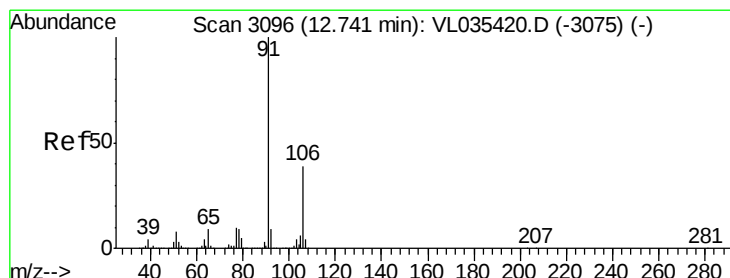
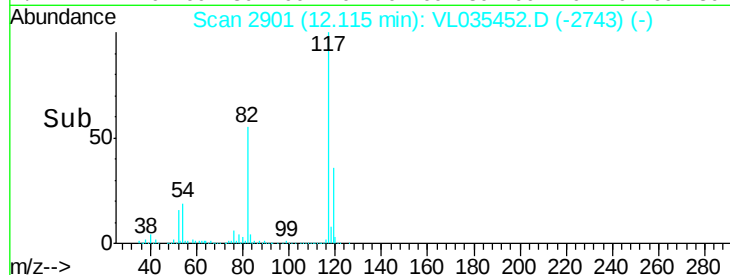
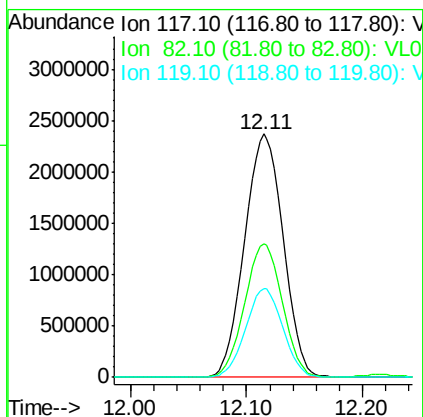
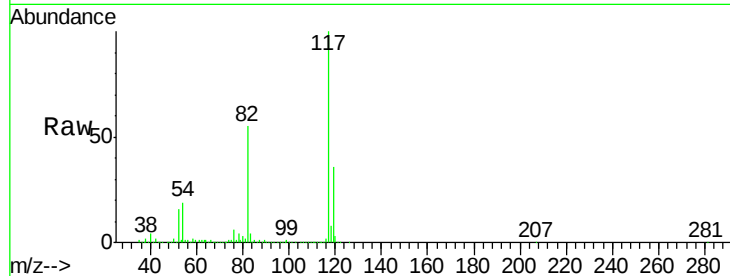
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.01 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Instrument :
MSVOA_L
ClientSampleId :
SS-04

Tot Ion:117 Resp: 5488377
Ion Ratio Lower Upper
117 100
82 53.5 57.4 86.0#
119 35.3 28.4 42.6

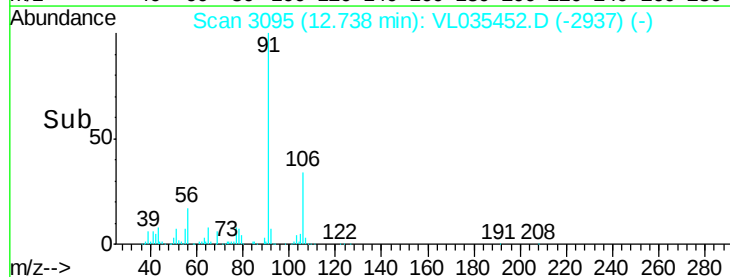
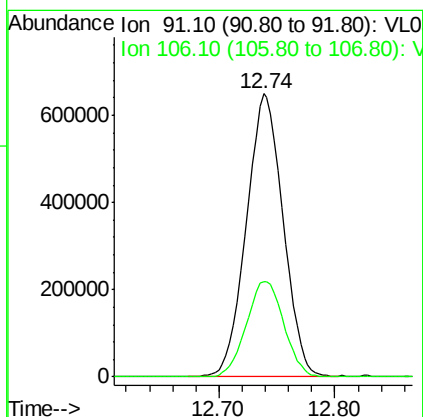
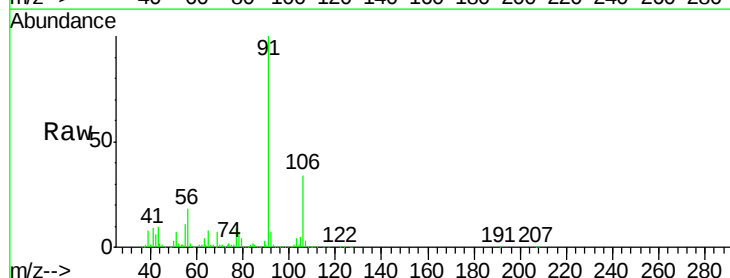
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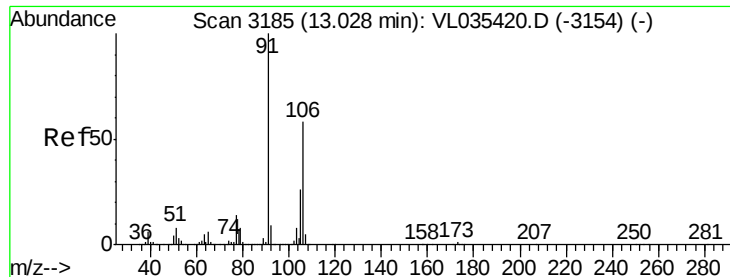
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#58
Ethyl Benzene
Concen: 2.146 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.01 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Tgt Ion: 91 Resp: 1421662
Ion Ratio Lower Upper
91 100
106 33.9 24.1 36.1





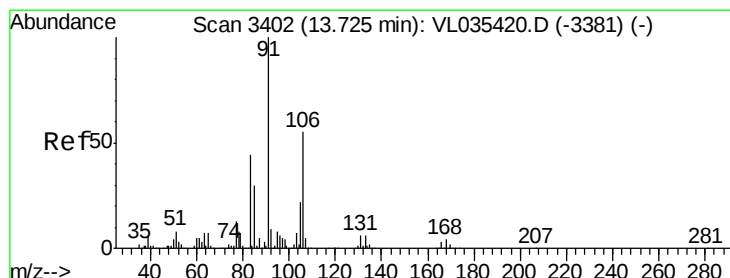
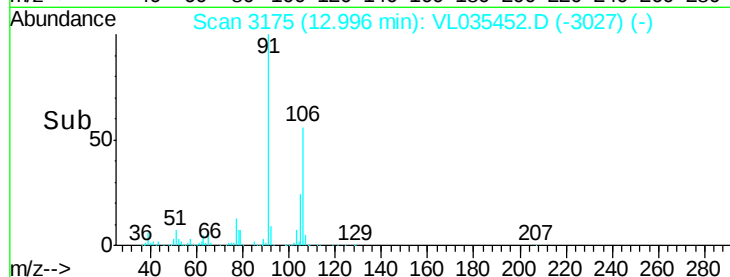
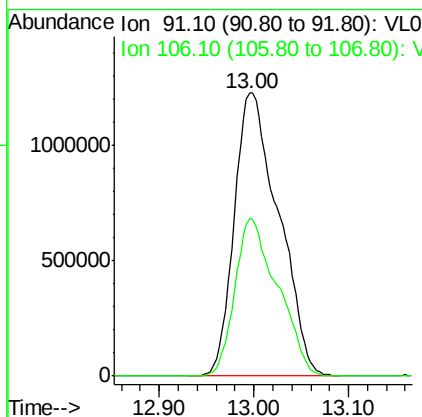
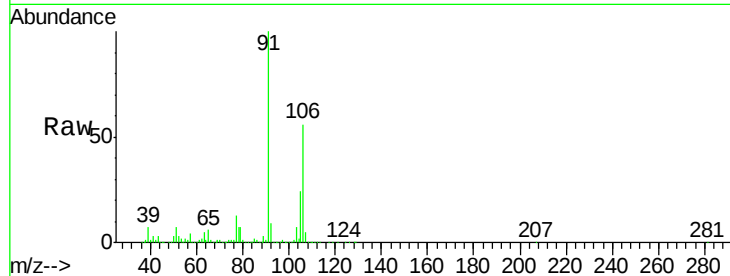
#59
m/p-Xylene
Concen: 7.124 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.03 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Instrument :
MSVOA_L
ClientSampled :
SS-04

Tot Ion: 91 Resp: 3989795
Ion Ratio Lower Upper
91 100
106 53.9 34.0 51.0#

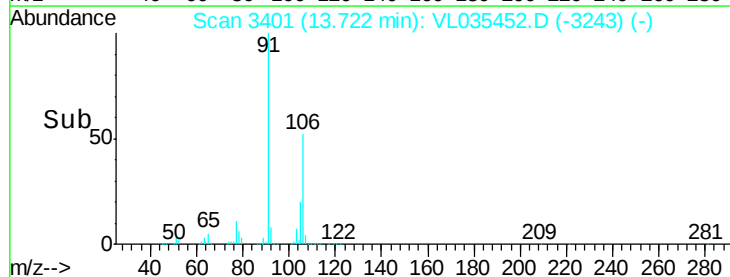
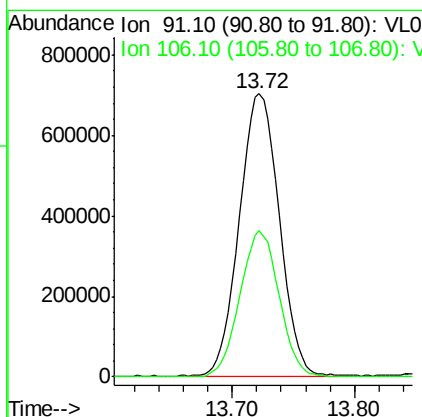
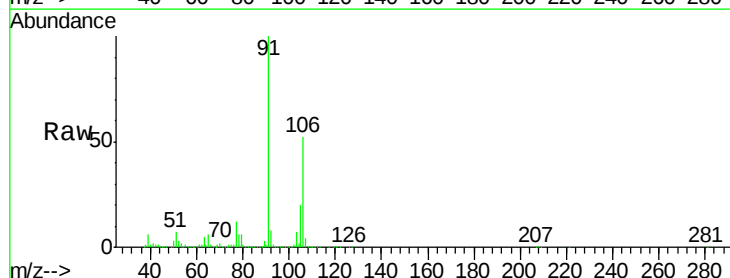
Manual Integrations
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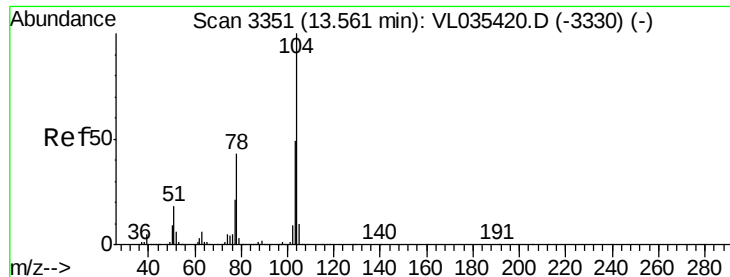
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#60
o-Xylene
Concen: 2.904 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.01 min
Lab File: VL035452.D
Acq: 18 Aug 2020 21:48

Tgt Ion: 91 Resp: 1580522
Ion Ratio Lower Upper
91 100
106 51.2 21.8 65.3





#61

Stvrene

Concen: 0.691 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Instrument :

MSVOA_L

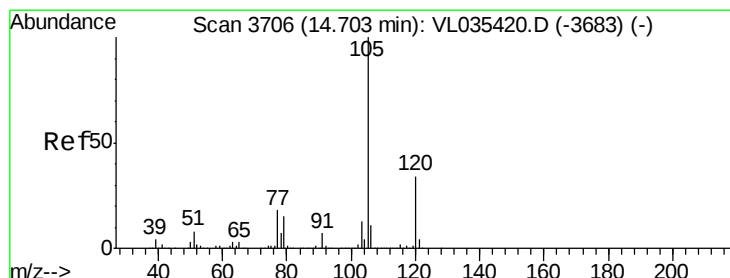
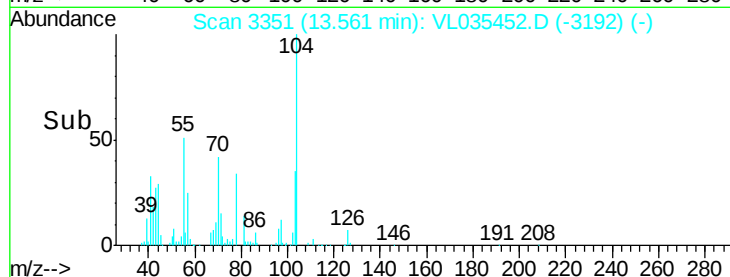
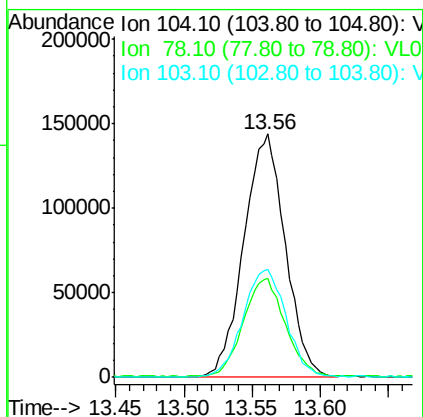
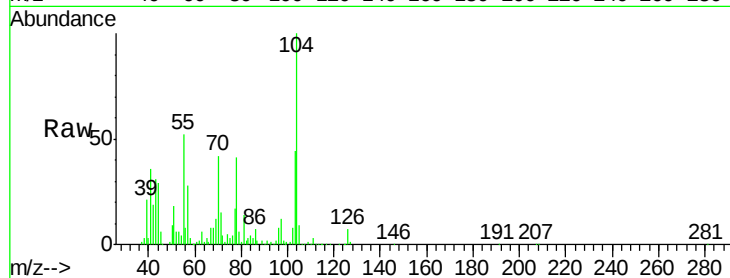
ClientSampled :

SS-04

Tot Ion:	104	Resp:	304133
Ion Ratio	Lower	Upper	
104	100		
78	40.7	45.4	68.2#
103	46.1	37.8	56.8

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#62

Isopropylbenzene

Concen: 0.255 ppbv

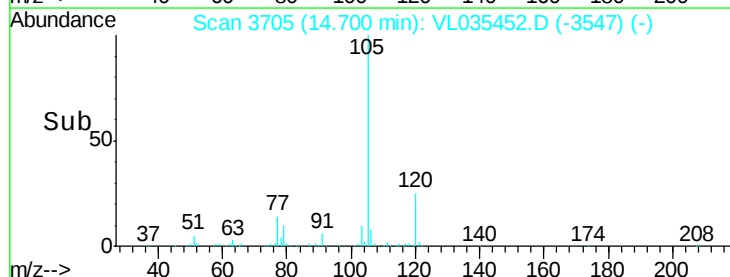
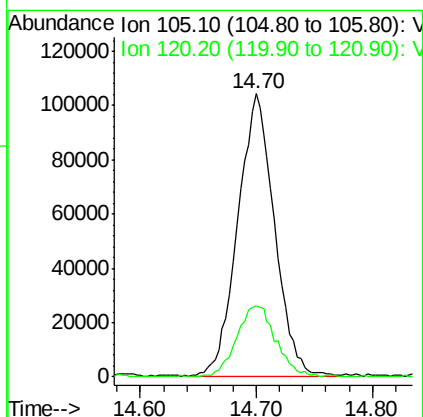
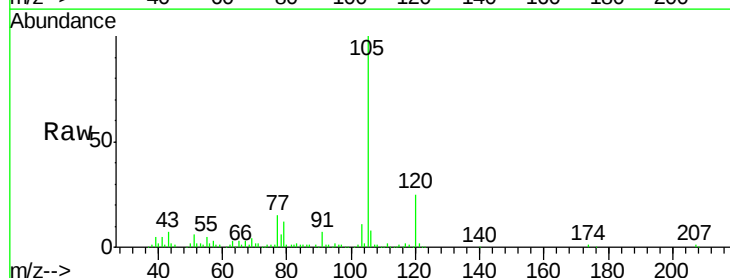
RT: 14.70 min Scan# 3705

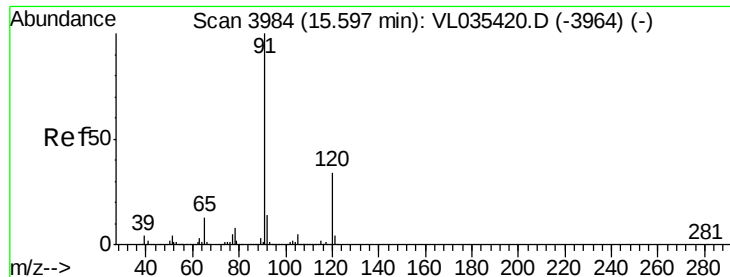
Delta R.T. 0.01 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Tgt Ion:	105	Resp:	227216
Ion Ratio	Lower	Upper	
105	100		
120	27.4	20.3	30.5





#64

n-propylbenzene

Concen: 0.796 ppbv m

RT: 15.59 min Scan# 3982

Delta R.T. 0.00 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

SS-04

Tot Ion:120 Resp: 218874

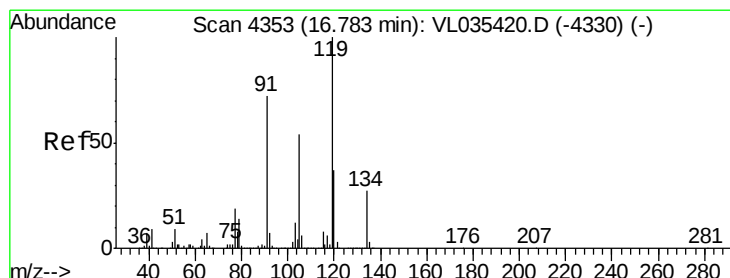
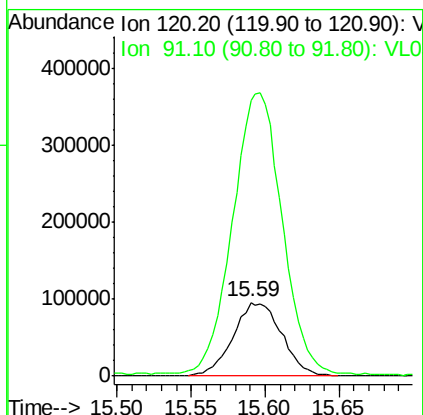
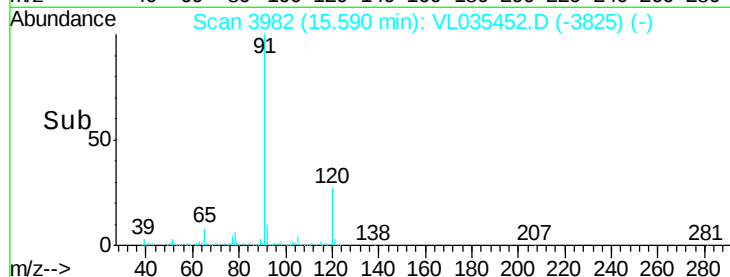
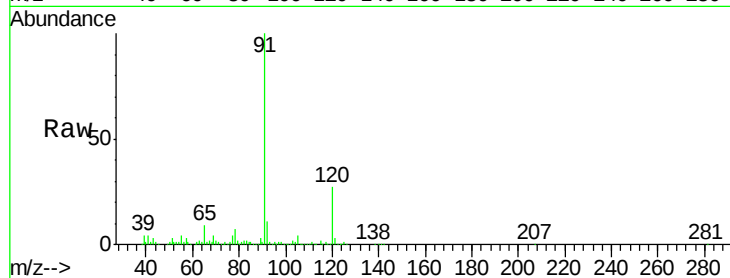
Ion Ratio Lower Upper

120 100

91 392.6 385.5 578.3

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#65

tert-Butylbenzene

Concen: 0.570 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.03 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

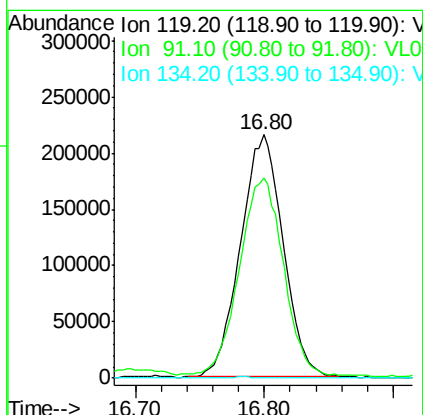
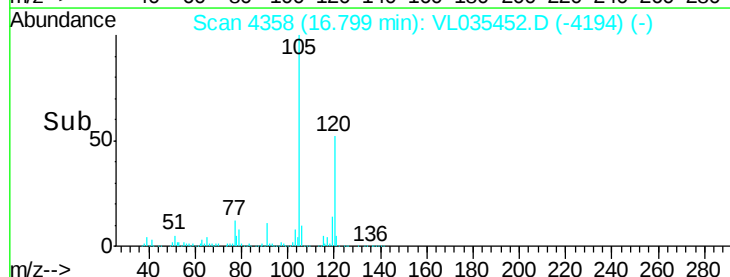
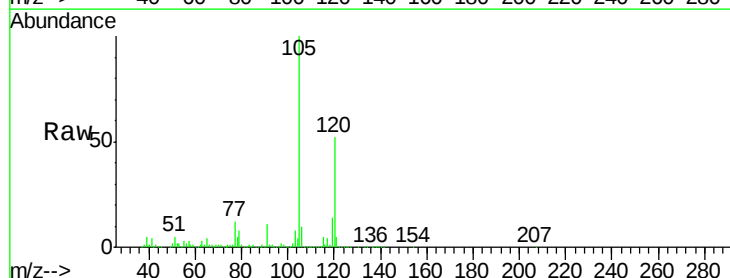
Tgt Ion:119 Resp: 494281

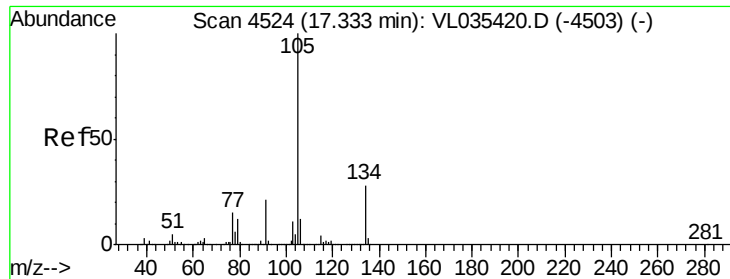
Ion Ratio Lower Upper

119 100

91 86.1 72.0 108.0

134 0.6 15.7 23.5#





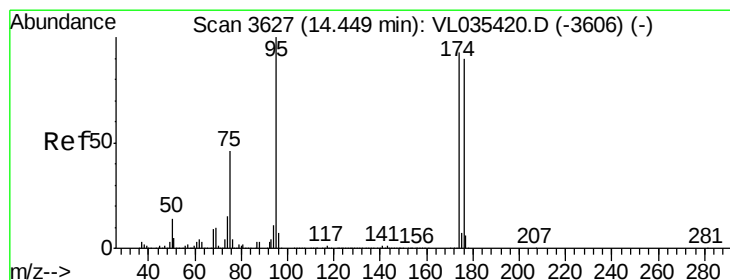
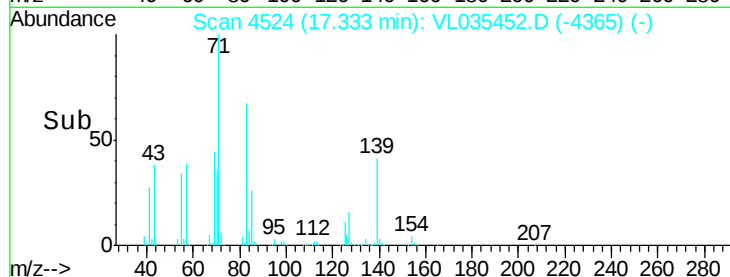
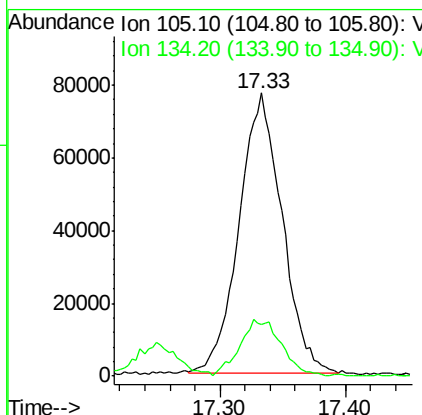
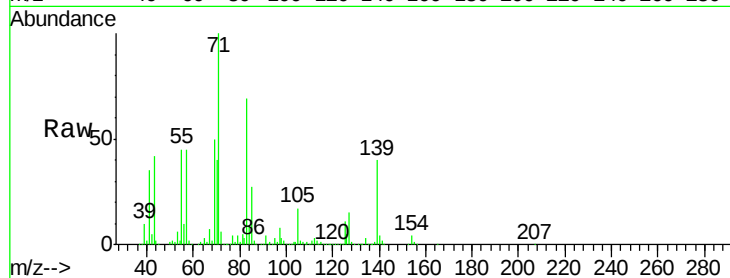
#67
 sec-Butylbenzene
 Concen: 0.160 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.01 min
 Lab File: VL035452.D
 Acq: 18 Aug 2020 21:48

Instrument :
 MSVOA_L
 ClientSampled :
 SS-04

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	14.1	21.1

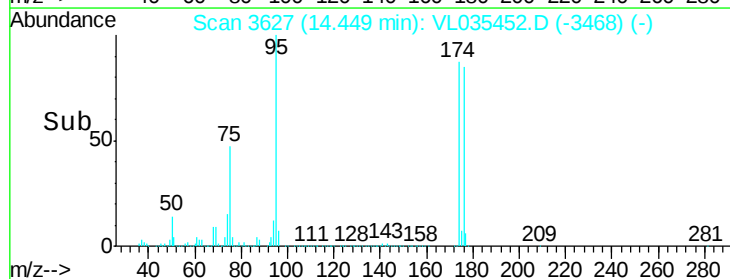
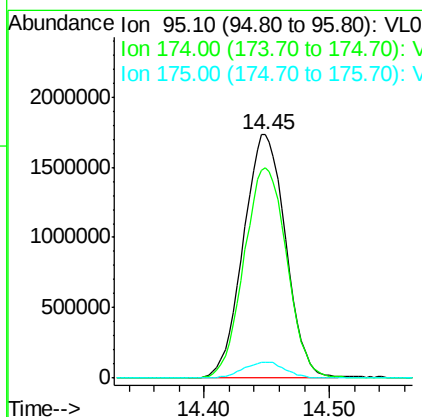
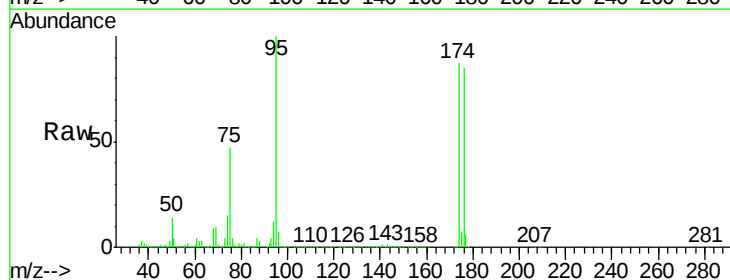
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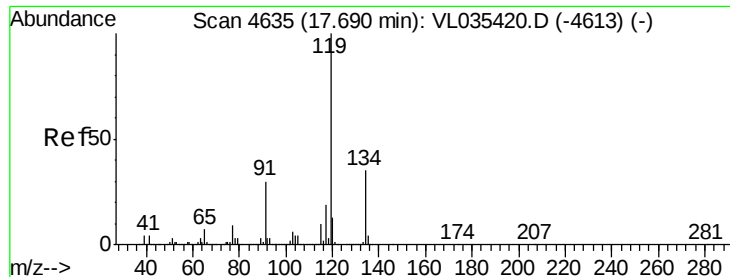
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.540 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.01 min
 Lab File: VL035452.D
 Acq: 18 Aug 2020 21:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.3	44.0	66.0#
175	6.5	3.2	4.8#





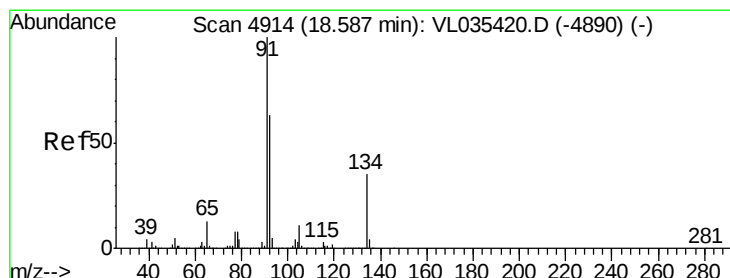
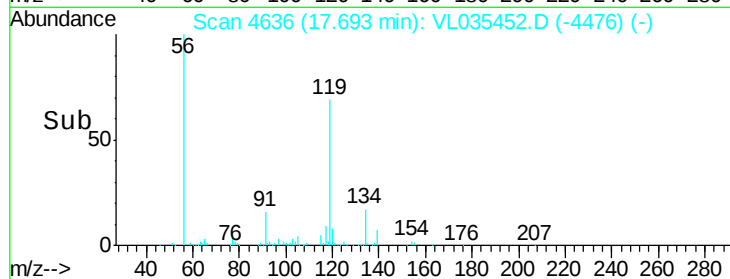
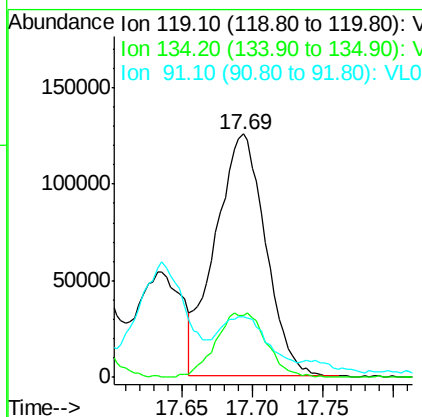
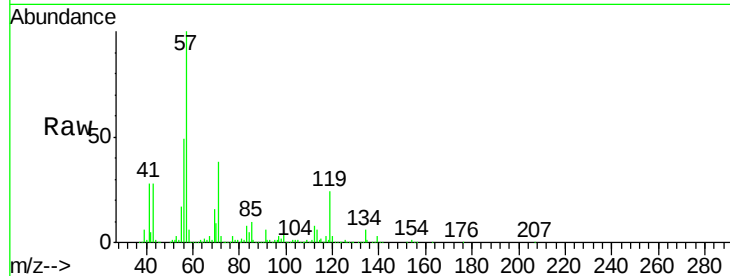
#69
 p-Isopropyltoluene
 Concen: 0.310 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. 0.01 min
 Lab File: VL035452.D
 Acq: 18 Aug 2020 21:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-04

Tot Ion:	119	Resp:	313796
Ion Ratio	Lower	Upper	
119	100		
134	26.7	20.6	30.8
91	26.9	26.6	39.8

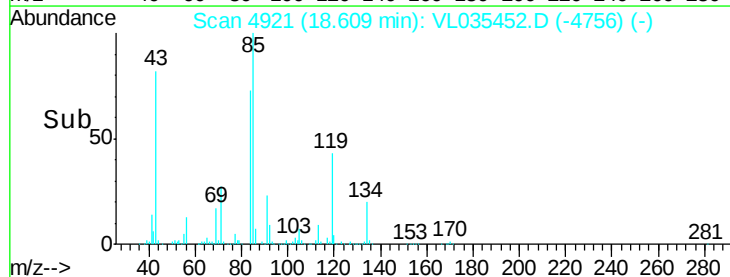
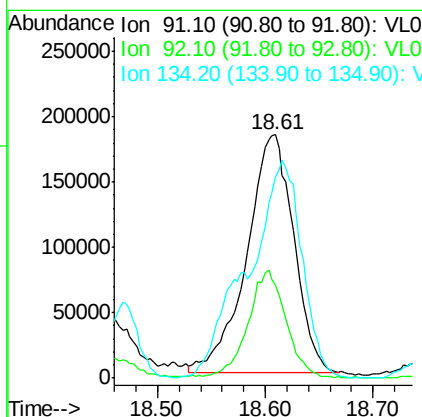
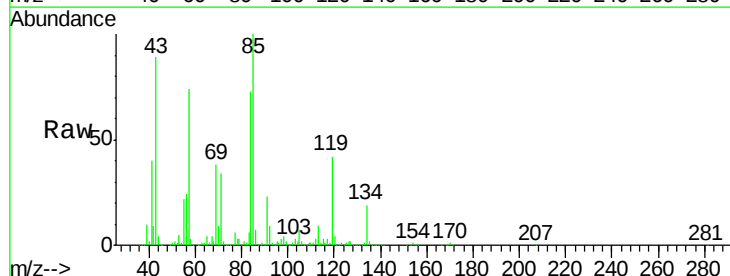
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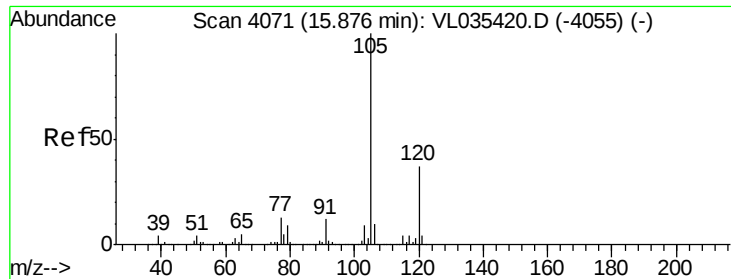
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#70
 n-Butylbenzene
 Concen: 0.574 ppbv
 RT: 18.61 min Scan# 4921
 Delta R.T. 0.03 min
 Lab File: VL035452.D
 Acq: 18 Aug 2020 21:48

Tgt Ion:	91	Resp:	549131
Ion Ratio	Lower	Upper	
91	100		
92	37.0	44.8	67.2#
134	106.5	17.3	25.9#





#72

4-Ethyltoluene

Concen: 1.652 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.01 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Instrument :

MSVOA_L

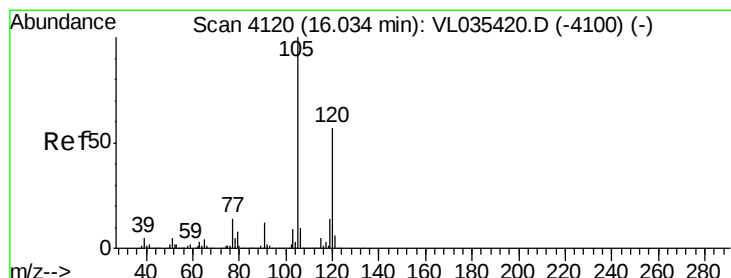
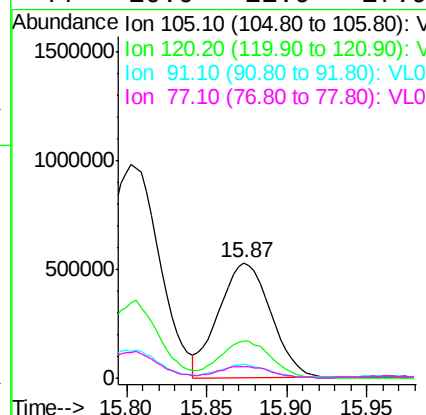
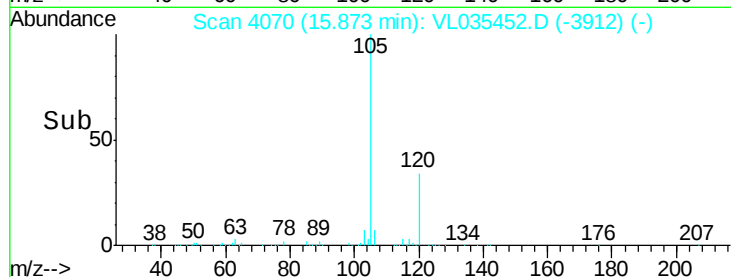
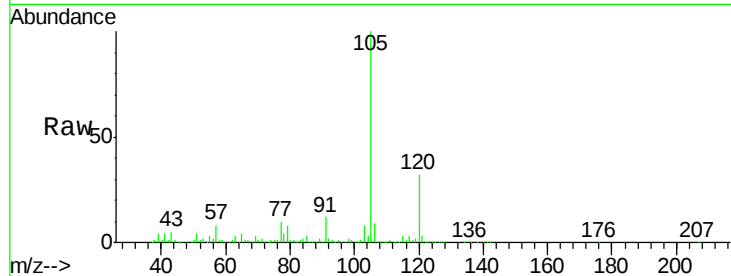
ClientSampled :

SS-04

Tot Ion	Ratio	Lower	Upper
105	100		
120	33.3	22.7	34.1
91	11.0	10.8	16.2
77	10.9	11.9	17.9#

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#73

1,3,5-Trimethylbenzene

Concen: 1.732 ppbv

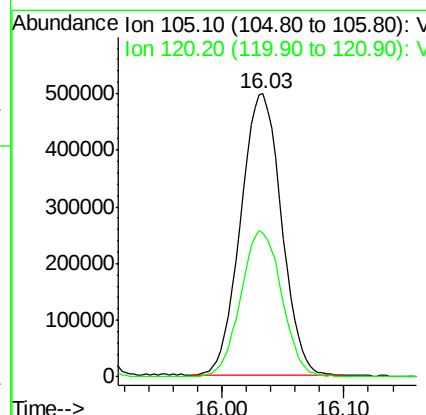
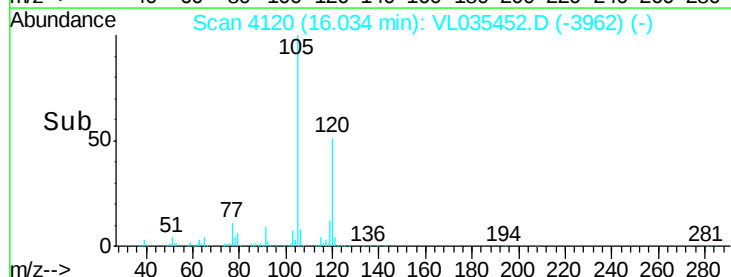
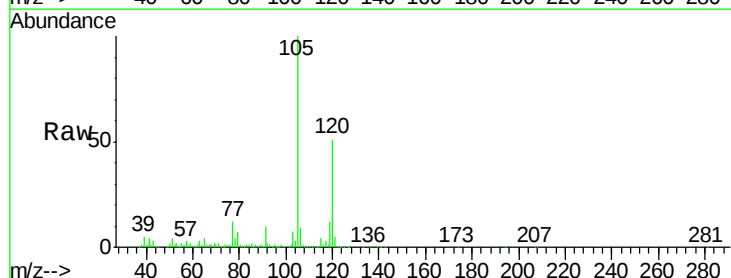
RT: 16.03 min Scan# 4120

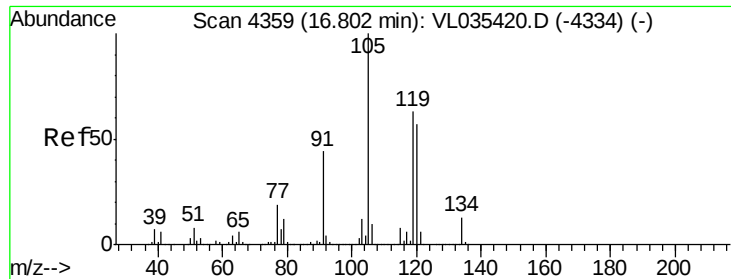
Delta R.T. 0.01 min

Lab File: VL035452.D

Acq: 18 Aug 2020 21:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.8	35.6	53.4





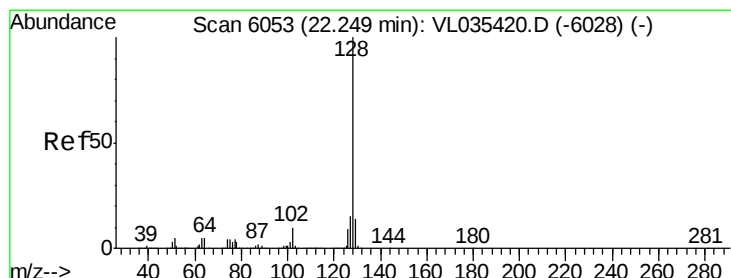
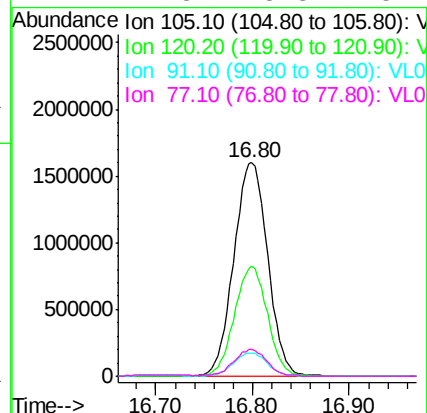
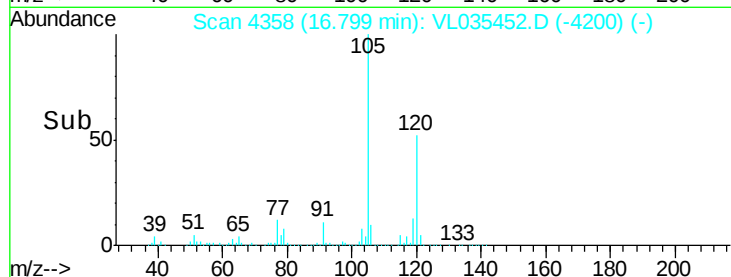
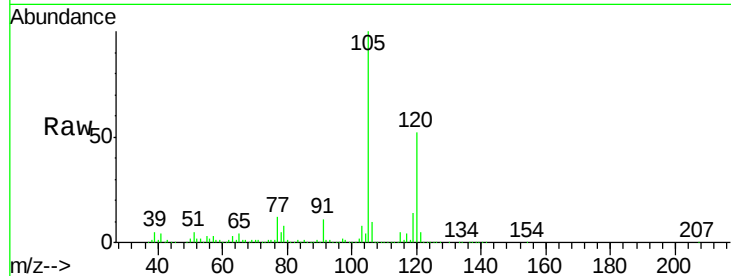
#74
 1,2,4-Trimethylbenzene
 Concen: 5.382 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. 0.01 min
 Lab File: VL035452.D
 Acq: 18 Aug 2020 21:48

Instrument :
 MSVOA_L
 ClientSampled :
 SS-04

Tot Ion	Ratio	Lower	Upper
105	100		
120	51.6	37.8	56.8
91	11.0	40.0	60.0#
77	12.3	18.8	28.2#

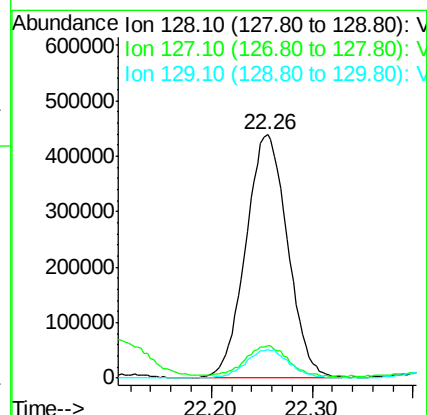
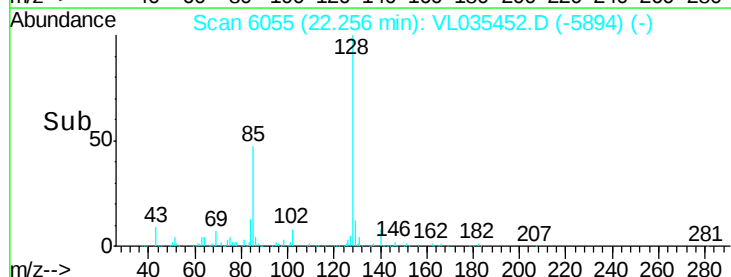
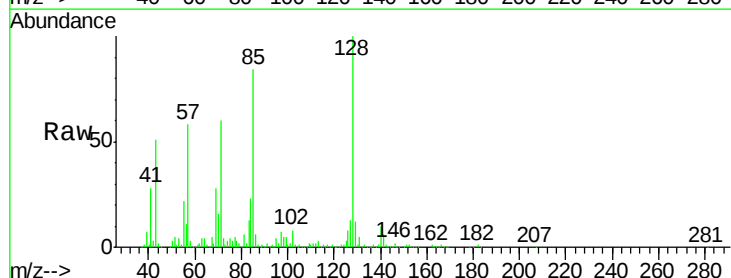
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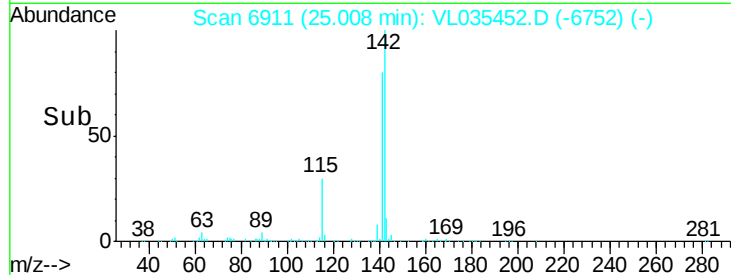
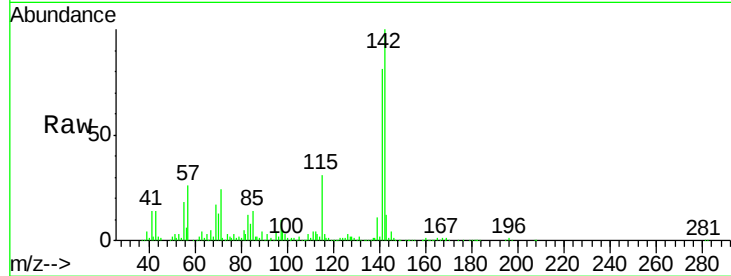
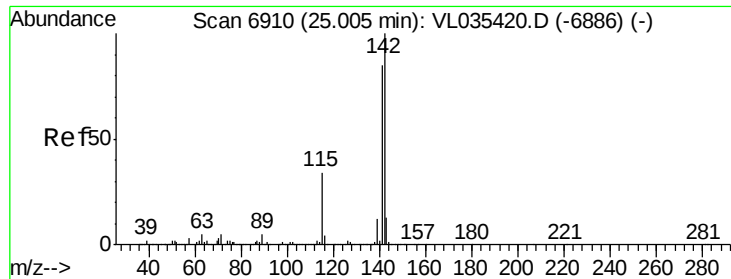
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#79
 Naphthalene
 Concen: 1.237 ppbv
 RT: 22.26 min Scan# 6055
 Delta R.T. 0.02 min
 Lab File: VL035452.D
 Acq: 18 Aug 2020 21:48

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.4	17.0
129	11.9	9.5	14.3





#80
 Naphthalene,2-methyl-
 Concen: 1.015 ppbv
 RT: 25.01 min Scan# 6911
 Delta R.T. 0.01 min
 Lab File: VL035452.D
 Acq: 18 Aug 2020 21:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-04

Tot Ion	Ratio	Resp Lower	Upper
142	100		
141	84.8	67.1	100.7
115	38.3	36.1	54.1

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