

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035460.D
 Acq On : 19 Aug 2020 8:23
 Operator : SY/AP
 Sample : L3725-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:41 AM

Quant Time: Aug 19 11:33:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 19 11:33:31 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	5.68	49	1122928	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5219429	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5228747	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	3850270	10.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	53951	0.259	ppbv	97
3) Chlorodifluoromethane	2.99	51	1717842	12.201	ppbv #	90
4) Chloromethane	3.14	50	62715	0.855	ppbv	97
9) Propene	3.01	41	136893m	2.419	ppbv	
10) Heptane	8.14	43	128205	0.864	ppbv #	82
11) Trichlorofluoromethane	3.95	101	188139	0.576	ppbv	98
13) Ethanol	3.61	45	315991	15.240	ppbv	99
15) Acetone	3.85	43	3366585	26.047	ppbv #	78
17) tert-Butyl alcohol	4.30	59	349592	2.093	ppbv	100
19) Isopropyl Alcohol	3.98	45	151350	1.699	ppbv #	97
20) Methylene Chloride	4.35	84	354146	3.396	ppbv #	61
26) Hexane	5.70	57	346431	2.441	ppbv #	31
27) Carbon Disulfide	4.56	76	183383	0.894	ppbv #	88
29) Chloroform	5.76	83	5658485	19.842	ppbv	89
30) Cyclohexane	7.14	84	87530	0.556	ppbv #	54
34) 2-Butanone	5.25	43	1007215	5.776	ppbv #	70
35) Carbon Tetrachloride	7.03	117	135707	0.489	ppbv	93
36) Benzene	6.90	78	286003	0.747	ppbv #	87
38) Trichloroethene	7.85	130	6720	0.032	ppbv #	63
40) 1,4-Dioxane	7.86	88	71712m	1.043	ppbv	
41) Tetrahydrofuran	6.06	42	361422	3.757	ppbv #	53
44) 2,2,4-Trimethylpentane	7.89	57	181038	0.362	ppbv #	89
50) 4-Methyl-2-Pentanone	8.76	43	472134	1.887	ppbv #	80
51) 2-Hexanone	10.16	43	108473m	0.514	ppbv	
52) Tetrachloroethene	11.25	164	442425	1.893	ppbv #	86
53) Toluene	9.83	91	2772680	5.619	ppbv	99
57) Chlorobenzene	12.17	112	118667	0.272	ppbv #	69
58) Ethyl Benzene	12.73	91	976043	1.546	ppbv	94
59) m/p-Xylene	12.99	91	2327410	4.362	ppbv #	83
60) o-Xylene	13.72	91	1269433	2.448	ppbv	88
61) Styrene	13.55	104	107867	0.257	ppbv #	89
62) Isopropylbenzene	14.69	105	1067940	1.257	ppbv	94
64) n-propylbenzene	15.59	120	724310	2.765	ppbv #	63
65) tert-Butylbenzene	16.80	119	623703	0.755	ppbv #	90
67) sec-Butylbenzene	17.33	105	198421	0.183	ppbv	93
69) p-Isopropyltoluene	17.69	119	2240066	2.323	ppbv #	89
70) n-Butylbenzene	18.59	91	428553	0.470	ppbv #	32
72) 4-Ethyltoluene	15.87	105	3303403	4.854	ppbv #	92
73) 1,3,5-Trimethylbenzene	16.03	105	2283784	3.607	ppbv	89
74) 1,2,4-Trimethylbenzene	16.79	105	4824277	7.012	ppbv #	70
76) 1,4-Dichlorobenzene	17.17	146	180088	0.344	ppbv	96

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Quant Time: Aug 19 11:33:31 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)
79) Naphthalene	22.25	128	1019248	1.052	ppbv	97
80) Naphthalene,2-methyl-	25.00	142	359455	0.898	ppbv	96

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

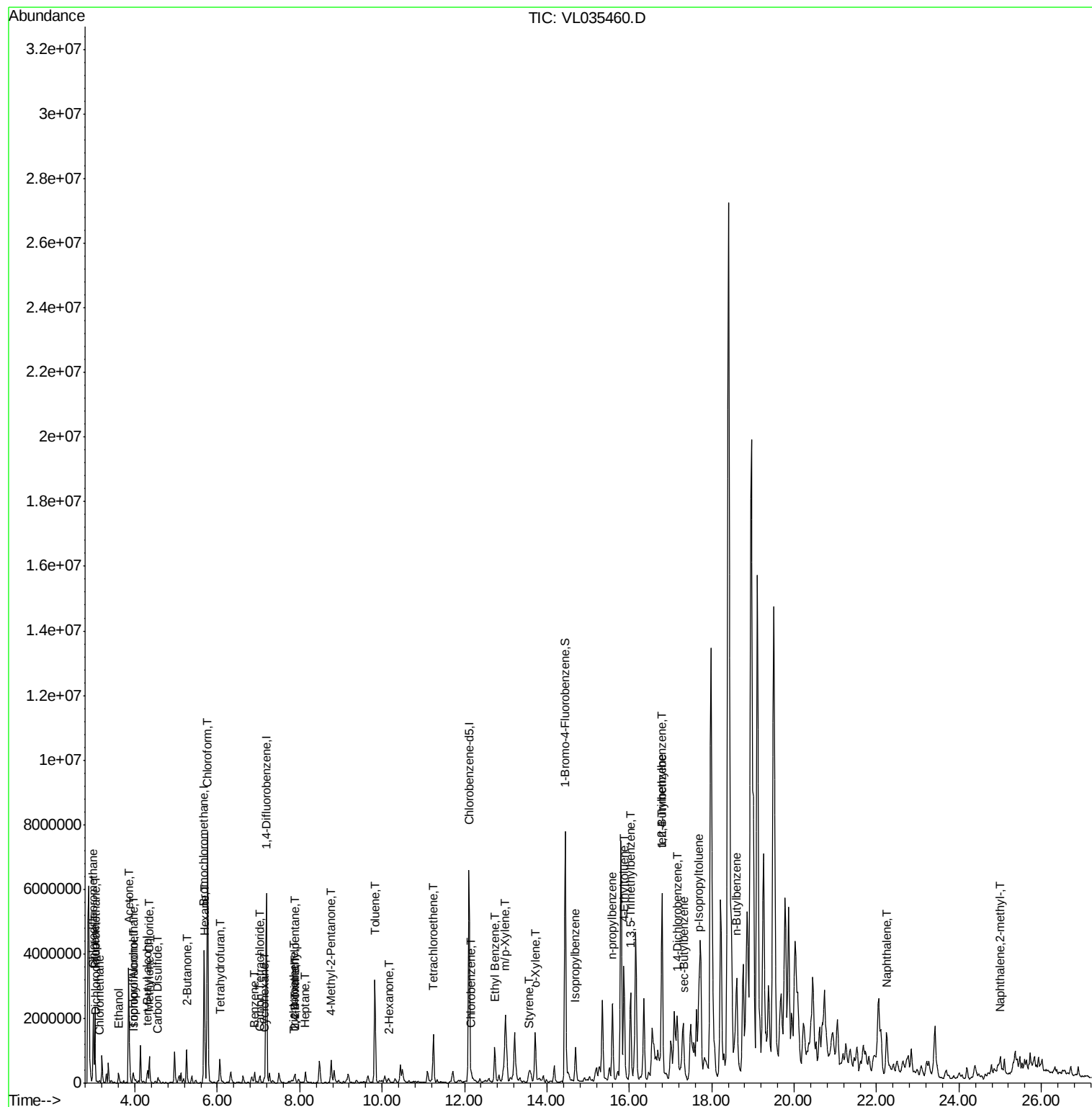
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081820\
Data File : VL035460.D
Acq On : 19 Aug 2020 8:23
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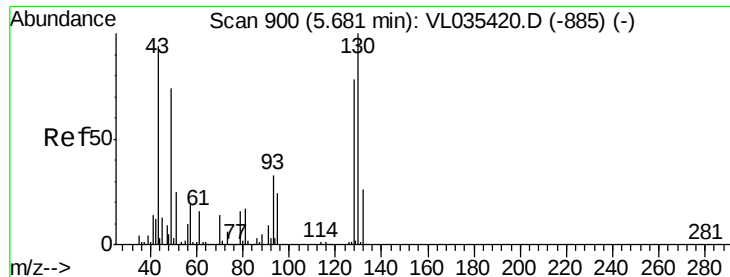
Instrument :
MSVOA_L
ClientSampled :
SS-02

Manual Integrations
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8/20/2020 11:07:41 AM

Quant Time: Aug 19 11:33:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
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: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

ClientSampled :

SS-02

Tot Ion: 49 Resp: 1122928

Ion Ratio Lower Upper

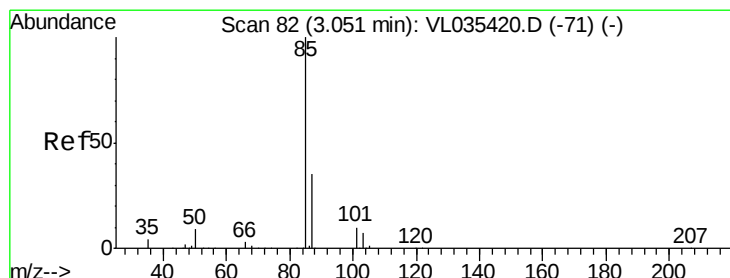
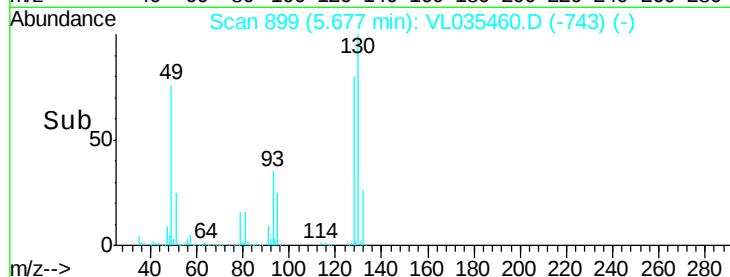
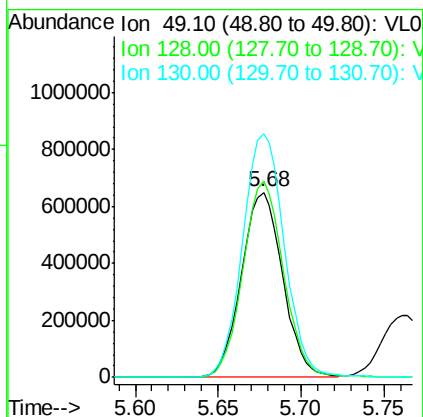
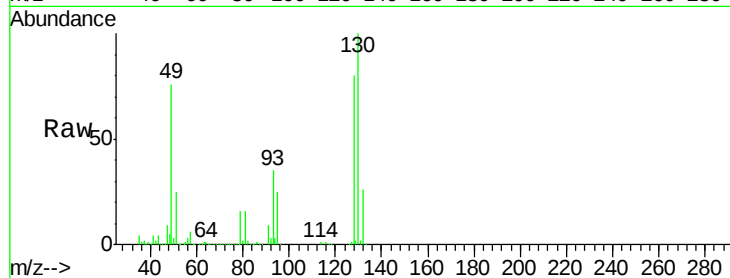
49 100

128 105.2 20.9 62.7#

130 134.6 26.7 80.1#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.259 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035460.D

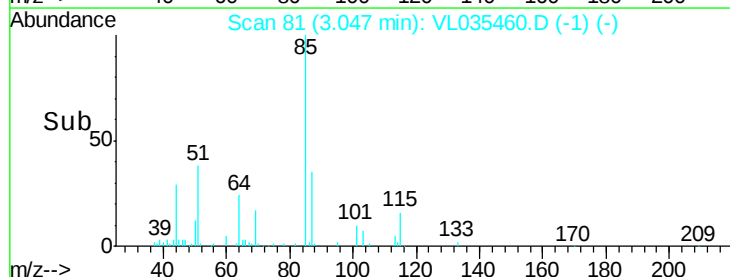
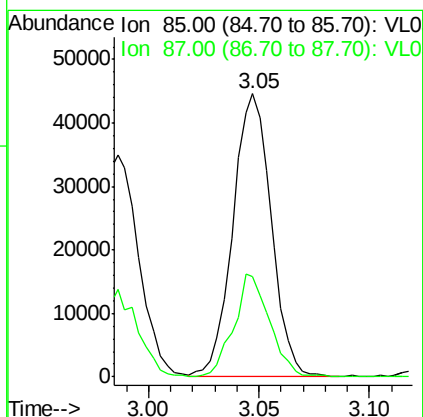
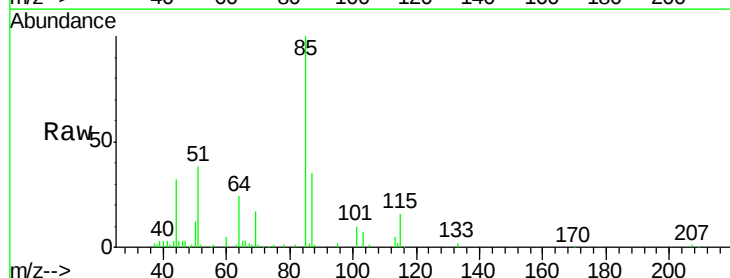
Acq: 19 Aug 2020 8:23

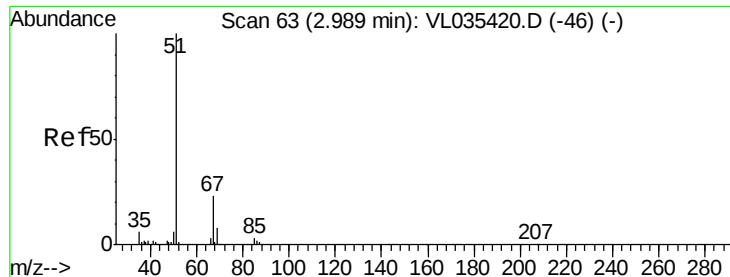
Tgt Ion: 85 Resp: 53951

Ion Ratio Lower Upper

85 100

87 35.5 27.1 40.7





#3

Chlorodifluoromethane

Concen: 12.201 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

SS-02

Tot Ion: 51 Resp: 1717842

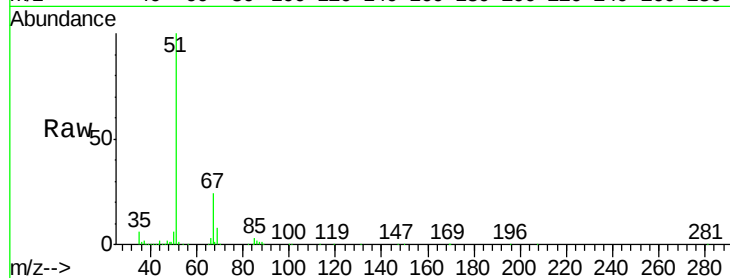
Ion Ratio Lower Upper

51 100

67 23.2 15.0 22.6#

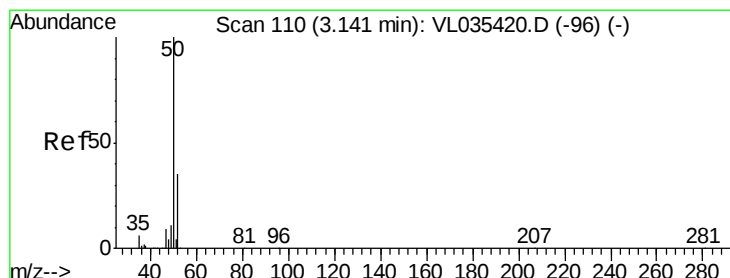
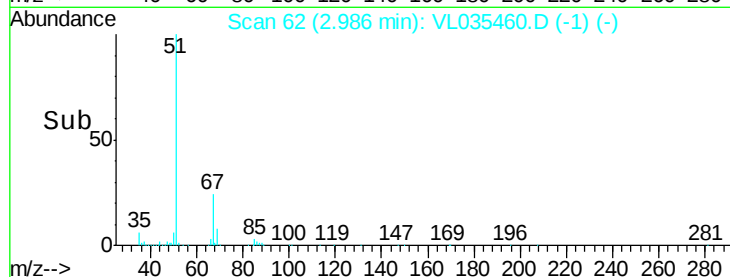
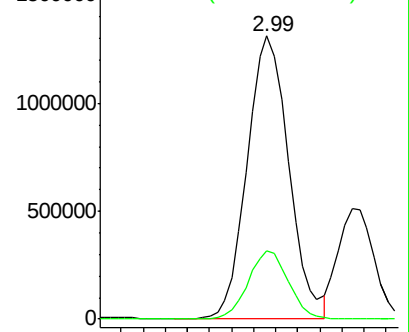
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.855 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035460.D

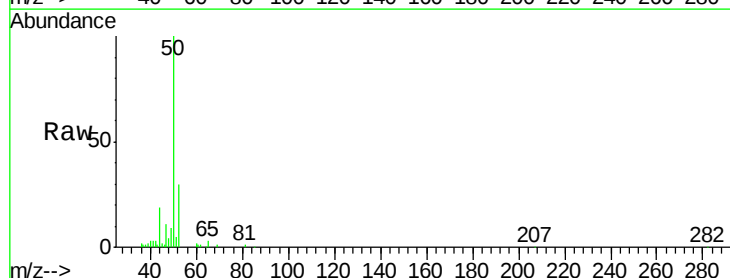
Acq: 19 Aug 2020 8:23

Tgt Ion: 50 Resp: 62715

Ion Ratio Lower Upper

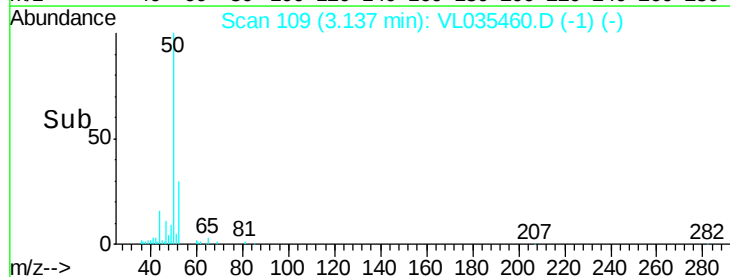
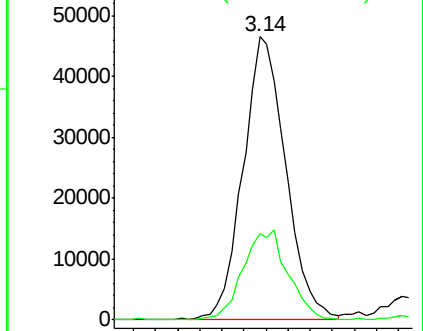
50 100

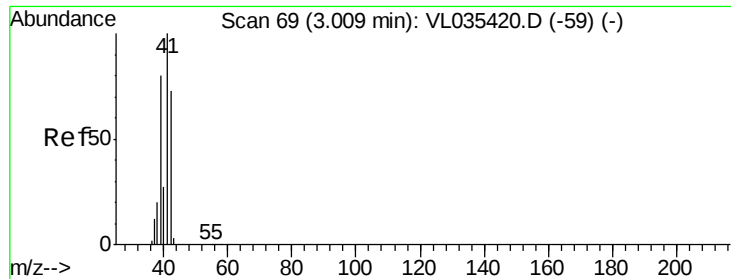
52 30.5 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 2.419 ppbv m

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

ClientSampled :

SS-02

Tot Ion: 41 Resp: 136893

Ion Ratio Lower Upper

41 100

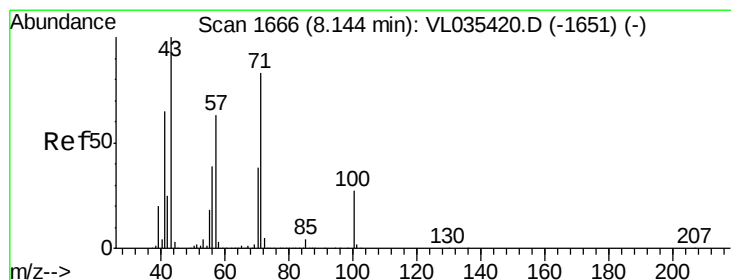
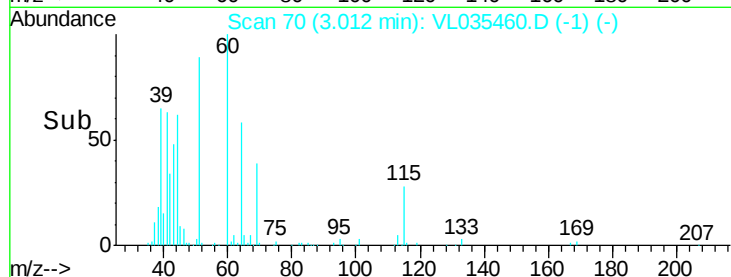
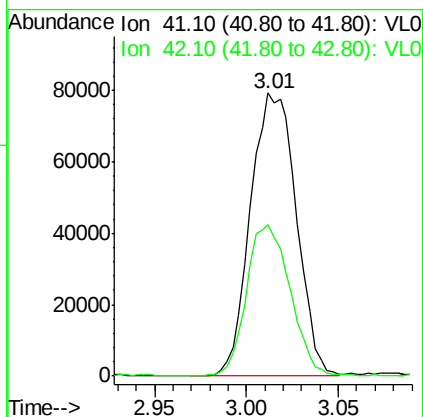
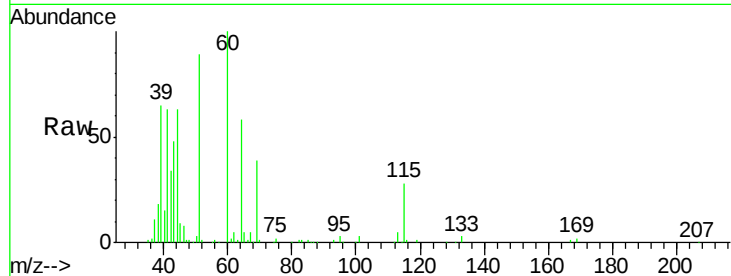
42 103.4 55.5 83.3#

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#10

Heptane

Concen: 0.864 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VL035460.D

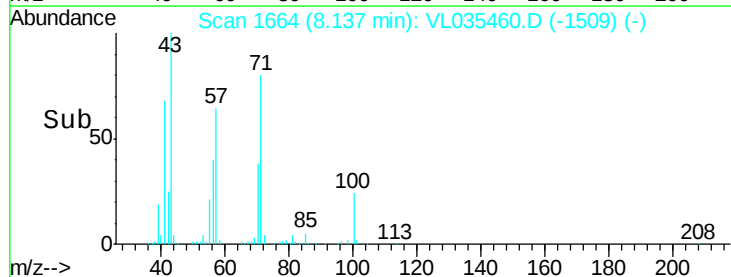
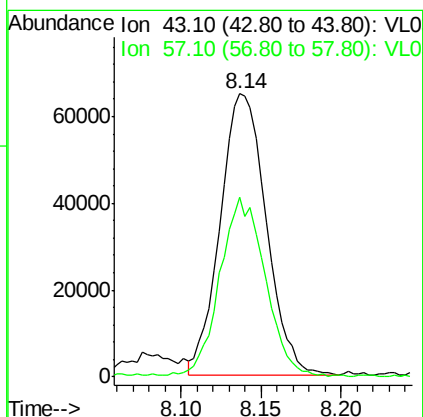
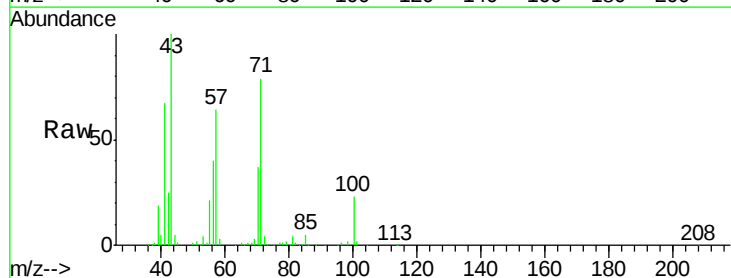
Acq: 19 Aug 2020 8:23

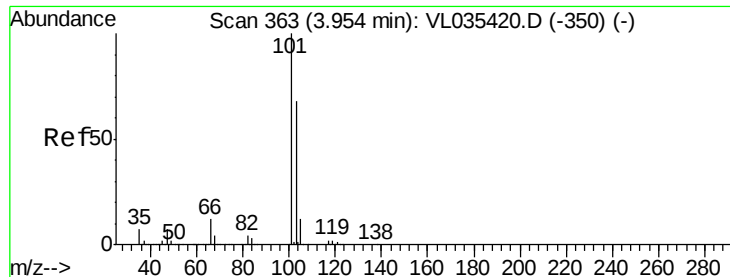
Tgt Ion: 43 Resp: 128205

Ion Ratio Lower Upper

43 100

57 62.3 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 0.576 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

SS-02

Tot Ion: 101 Resp: 188139

Ion Ratio Lower Upper

101 100

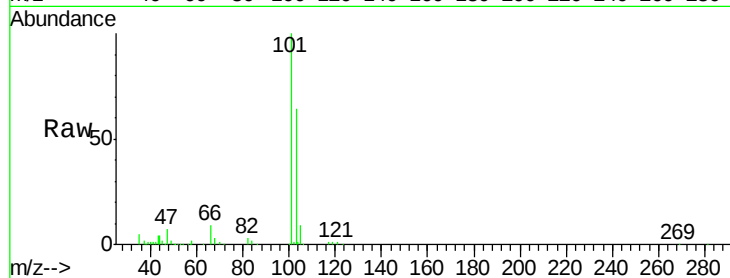
103 63.8 52.6 78.8

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

150000

100000

50000

0

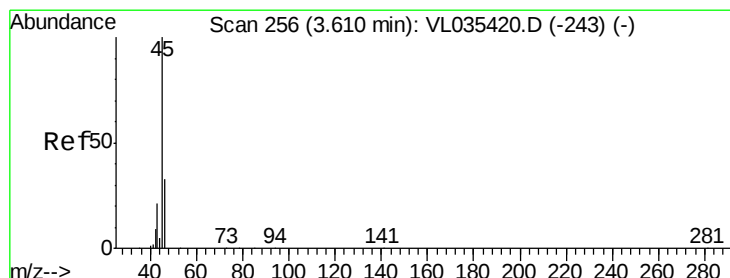
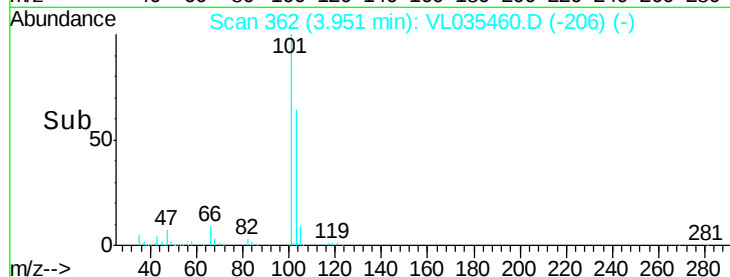
3.95

3.90

3.95

4.00

Time-->



#13

Ethanol

Concen: 15.240 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL035460.D

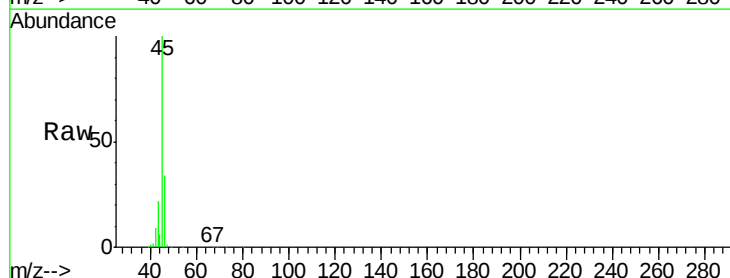
Acq: 19 Aug 2020 8:23

Tgt Ion: 45 Resp: 315991

Ion Ratio Lower Upper

45 100

46 35.1 14.2 56.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

200000

150000

100000

50000

0

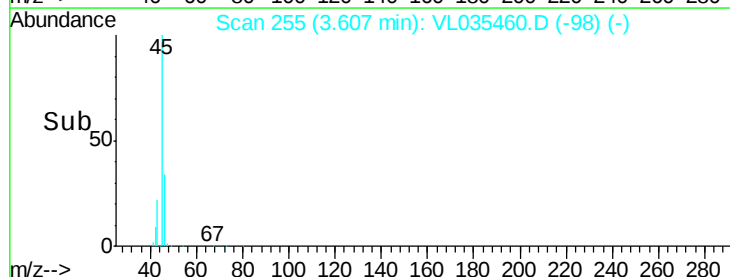
3.61

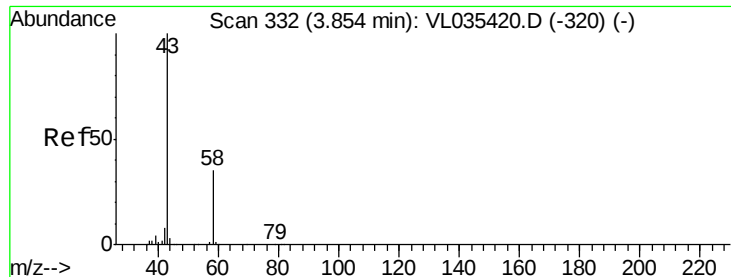
3.55

3.60

3.65

Time-->





#15

Acetone

Concen: 26.047 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

SS-02

Tot Ion: 43 Resp: 3366585

Ion Ratio Lower Upper

43 100

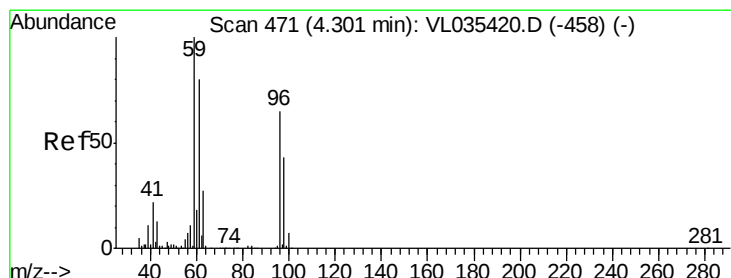
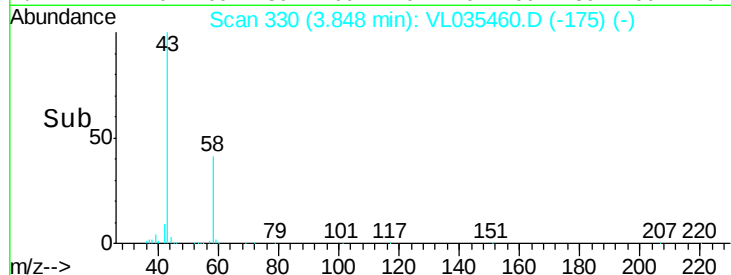
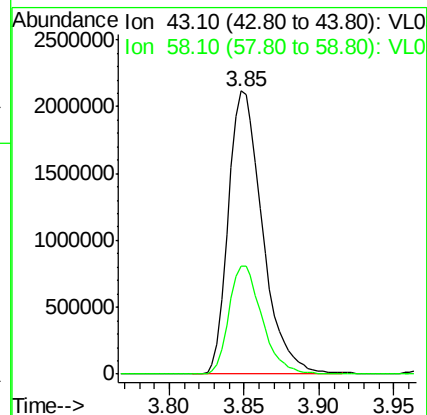
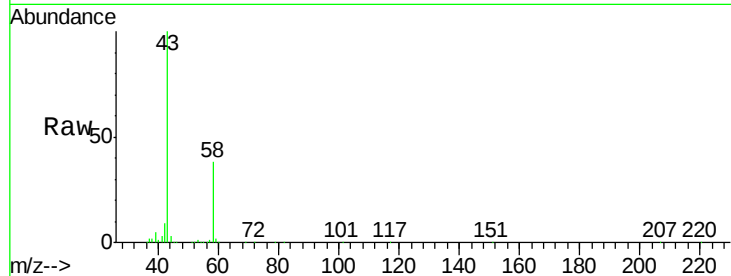
58 37.3 21.0 31.6#

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#17

tert-Butyl alcohol

Concen: 2.093 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL035460.D

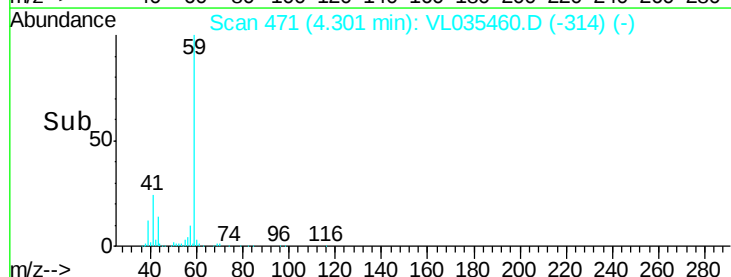
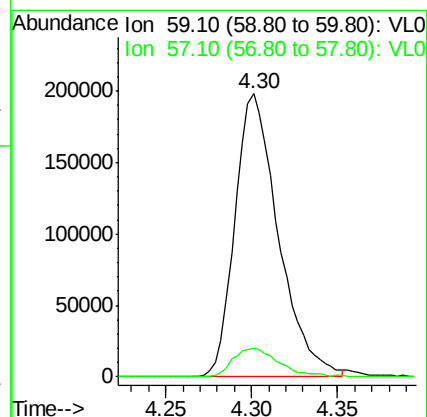
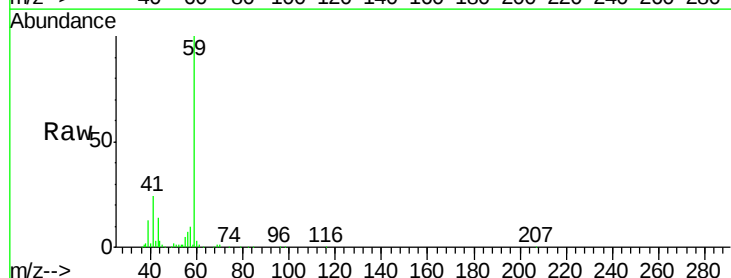
Acq: 19 Aug 2020 8:23

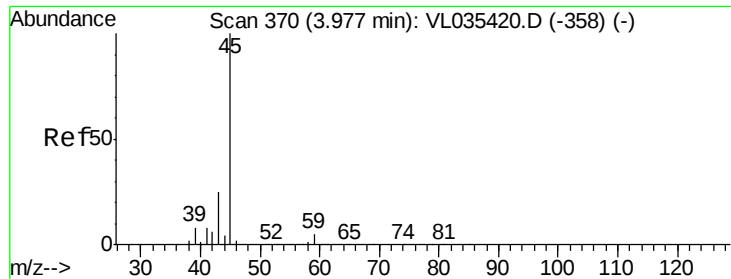
Tgt Ion: 59 Resp: 349592

Ion Ratio Lower Upper

59 100

57 11.0 8.9 13.3





#19

Isopropyl Alcohol

Concen: 1.699 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

SS-02

Tot Ion: 45 Resp: 151350

Ion Ratio Lower Upper

45 100

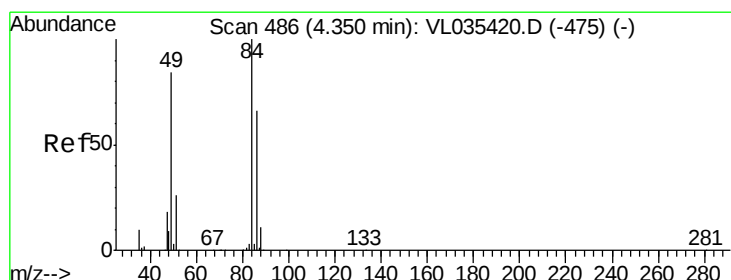
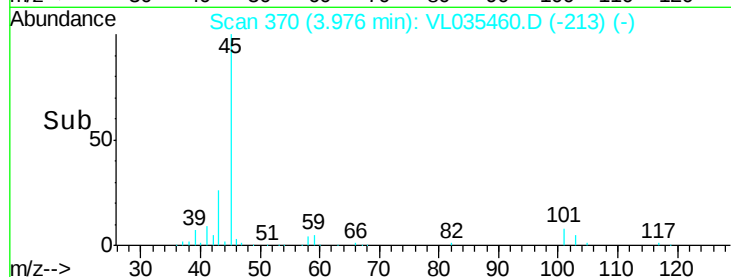
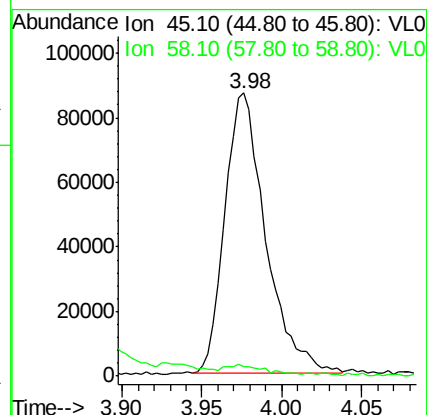
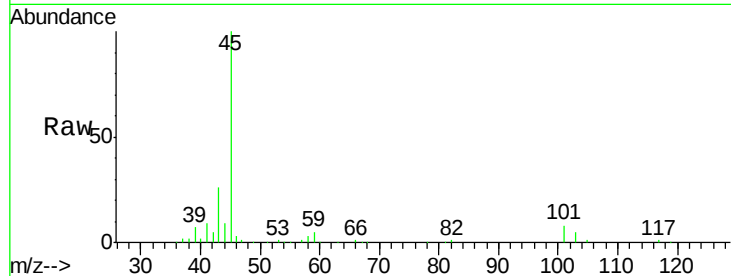
58 0.0 1.0 1.6#

Manual Integrations

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#20

Methylene Chloride

Concen: 3.396 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Tgt Ion: 84 Resp: 354146

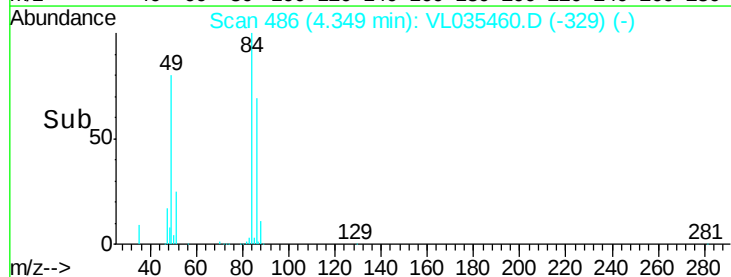
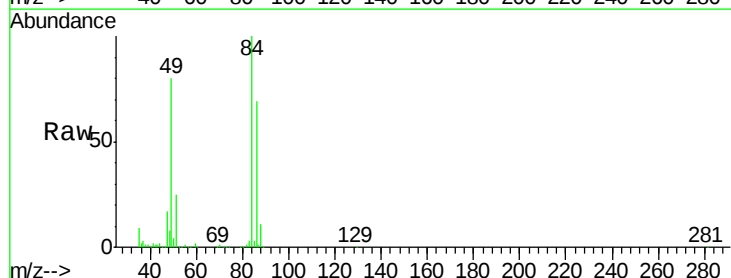
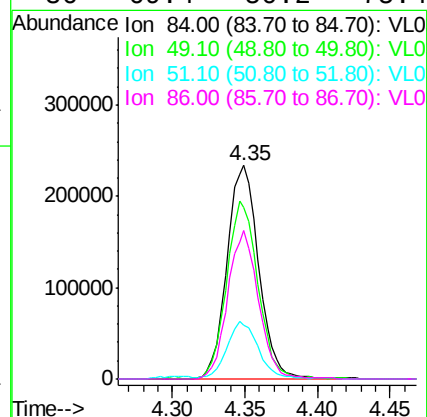
Ion Ratio Lower Upper

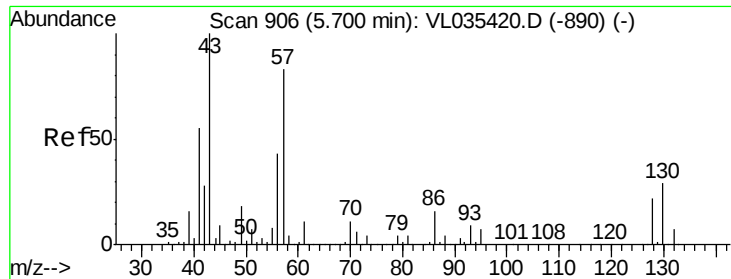
84 100

49 79.9 118.6 177.8#

51 25.2 36.4 54.6#

86 69.4 50.2 75.4





#26

Hexane

Concen: 2.441 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

ClientSampled :

SS-02

Tot Ion: 57 Resp: 346431
Ion Ratio Lower Upper

57 100

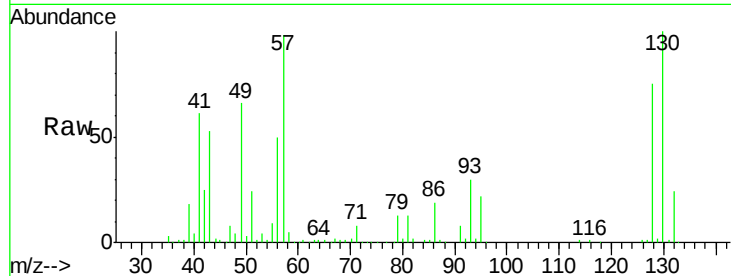
41 66.4 75.5 113.3#

43 59.4 181.7 272.5#

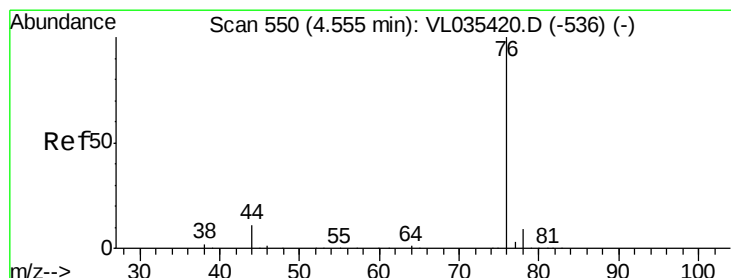
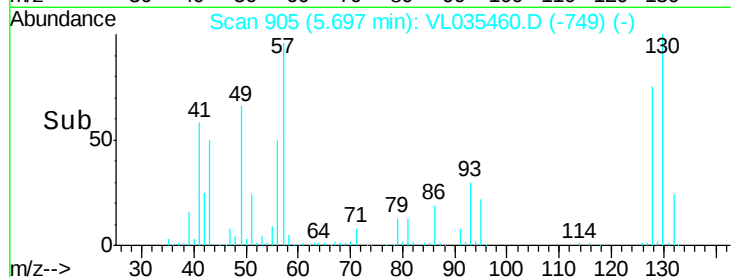
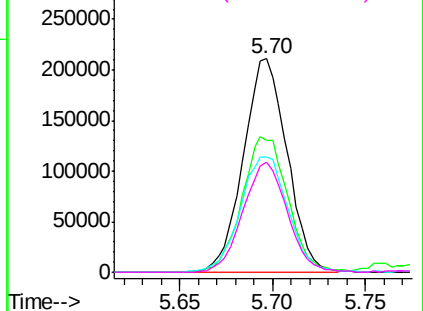
56 52.2 42.4 63.6

Manual Integrations
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Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.894 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035460.D

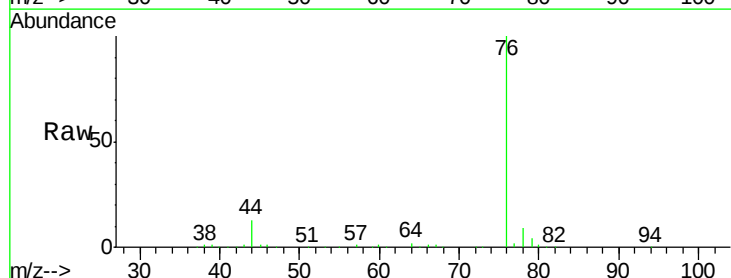
Acq: 19 Aug 2020 8:23

Tgt Ion: 76 Resp: 183383
Ion Ratio Lower Upper

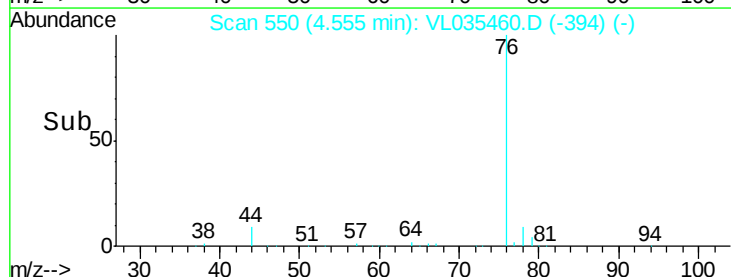
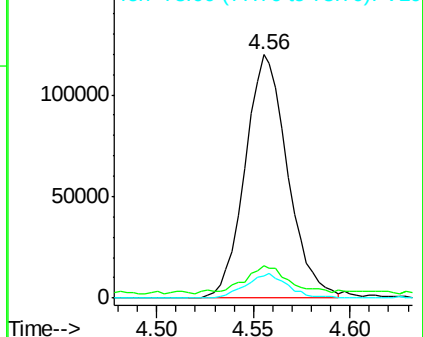
76 100

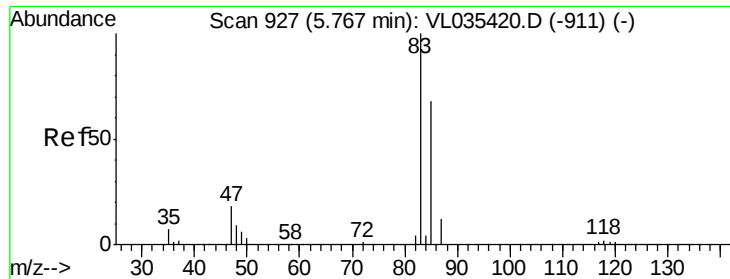
44 13.4 16.8 25.2#

78 10.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





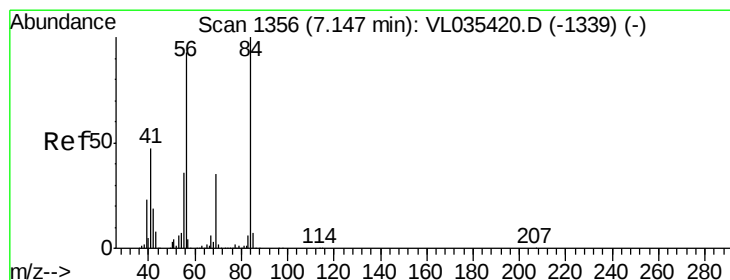
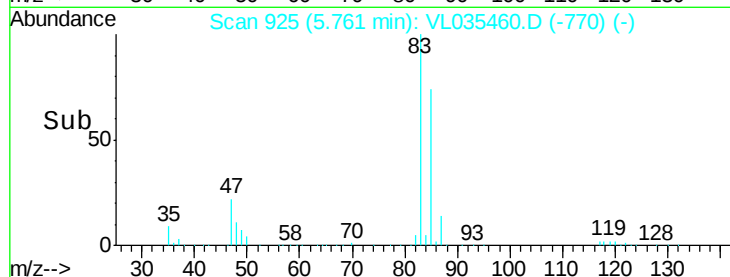
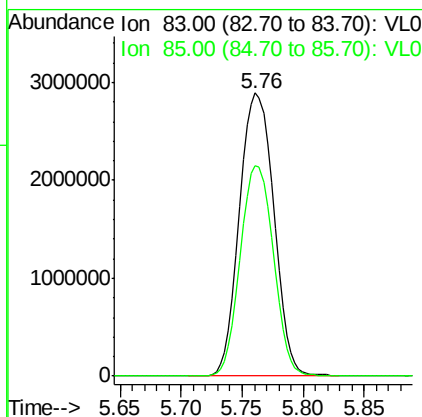
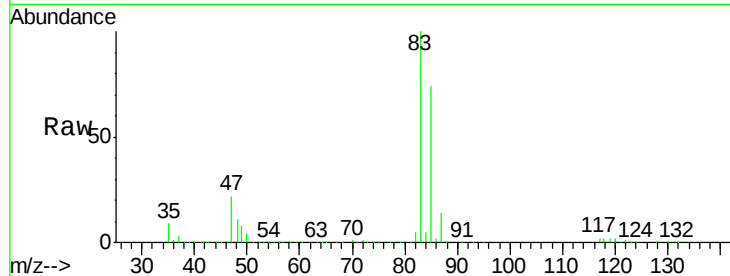
#29
Chloroform
Concen: 19.842 ppbv
RT: 5.76 min Scan# 925
Delta R.T. -0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
SS-02

Tot Ion: 83 Resp: 5658485
Ion Ratio Lower Upper
83 100
85 74.4 52.7 79.1

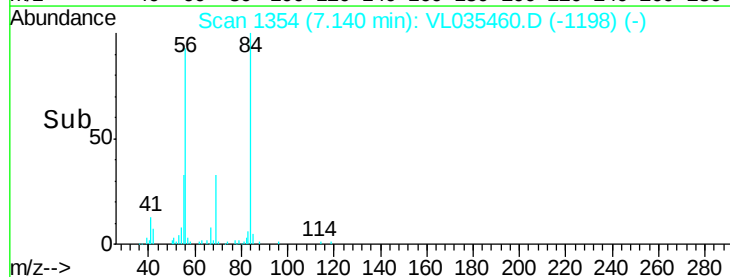
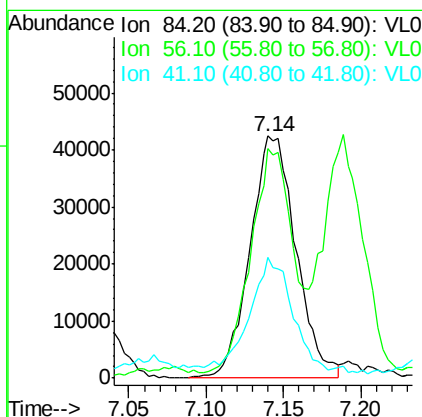
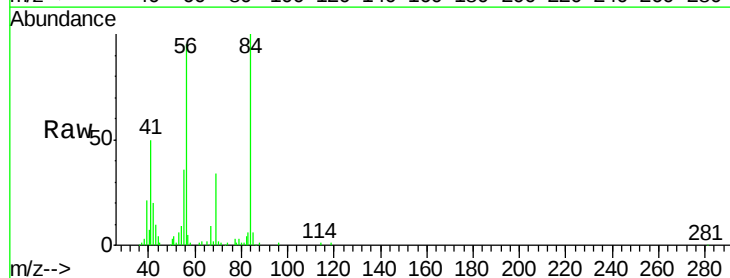
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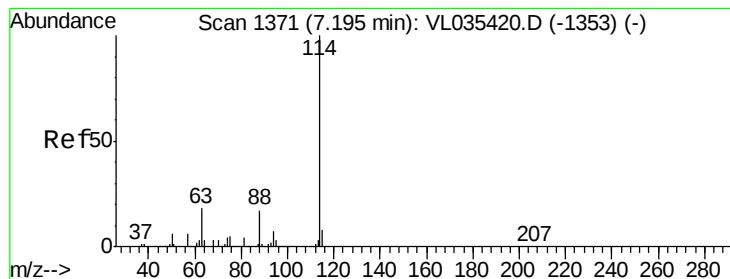
MMDadoda
8/20/2020 11:07:41 AM



#30
Cyclohexane
Concen: 0.556 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Tgt Ion: 84 Resp: 87530
Ion Ratio Lower Upper
84 100
56 85.4 114.9 172.3#
41 49.2 72.3 108.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

ClientSampled :

SS-02

Tot Ion: 114 Resp: 5219429

Ion Ratio Lower Upper

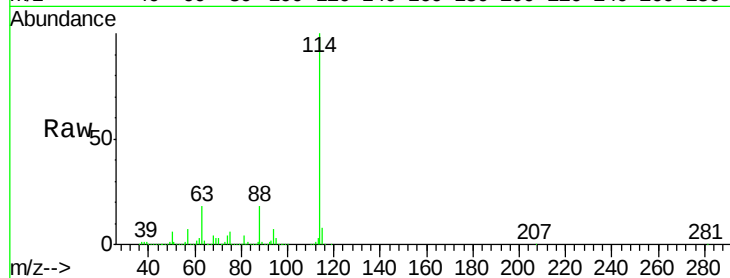
114 100

63 17.6 23.1 34.7#

88 16.6 15.9 23.9

Manual Integrations
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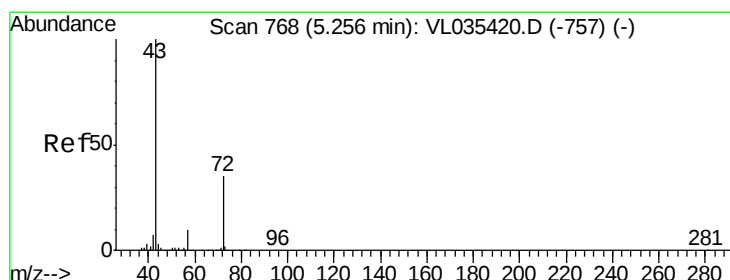
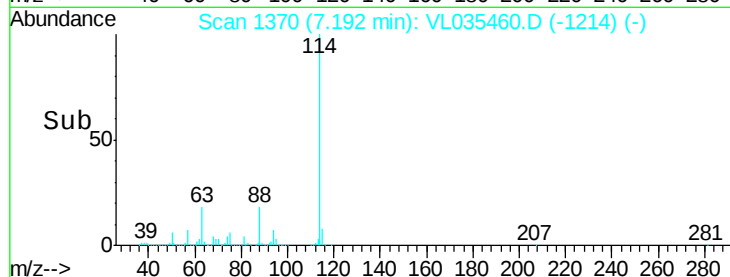
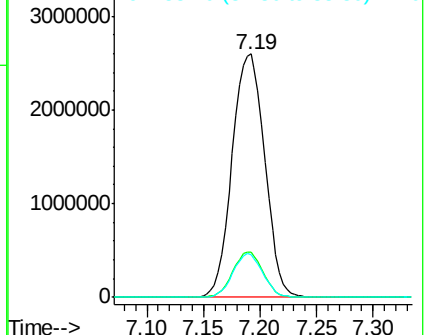
MMDadoda
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 5.776 ppbv

RT: 5.25 min Scan# 766

Delta R.T. -0.00 min

Lab File: VL035460.D

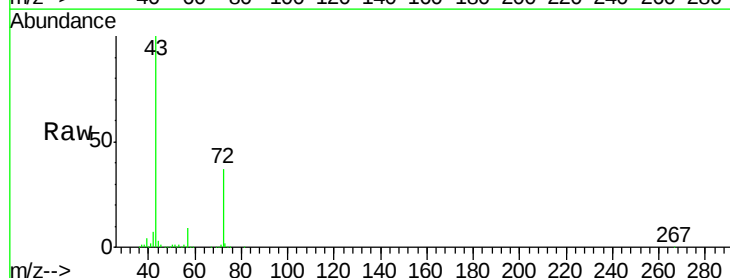
Acq: 19 Aug 2020 8:23

Tgt Ion: 43 Resp: 1007215

Ion Ratio Lower Upper

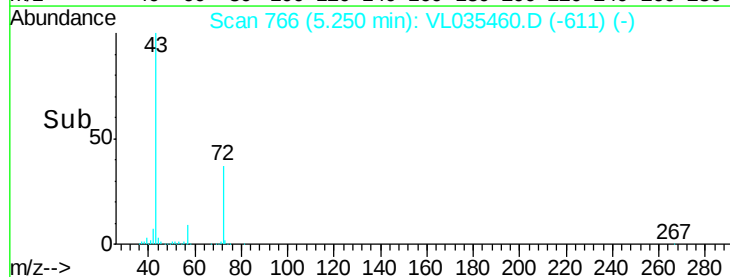
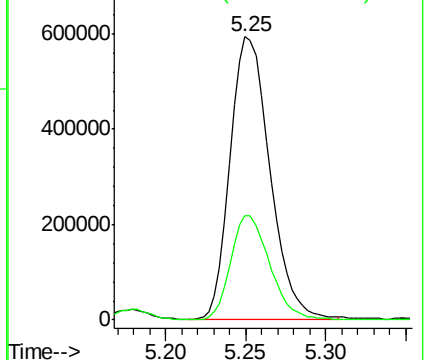
43 100

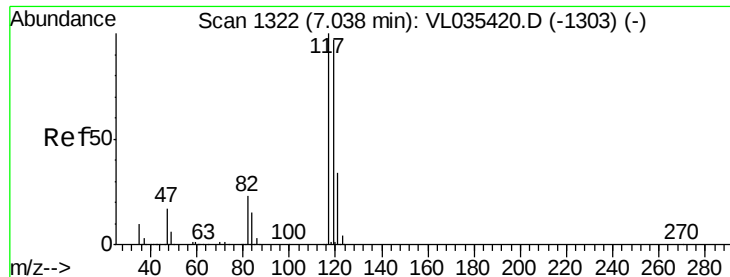
72 36.2 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





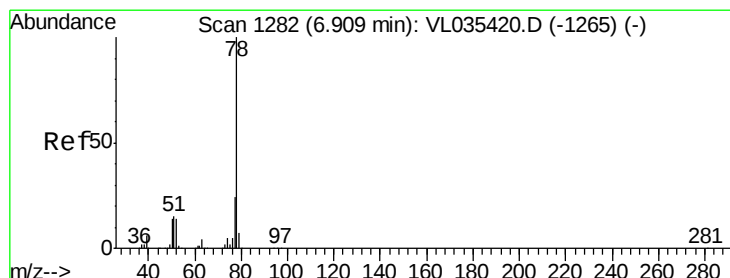
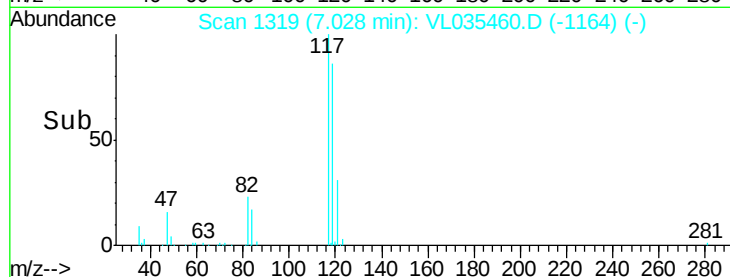
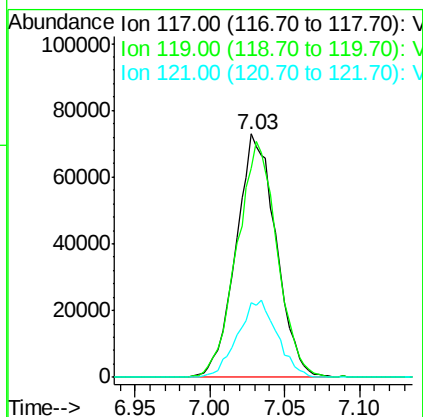
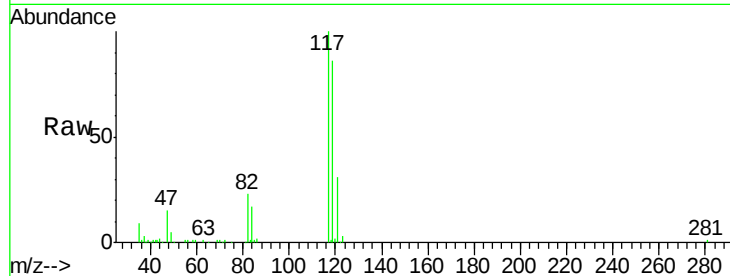
#35
Carbon Tetrachloride
Concen: 0.489 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. -0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
SS-02

Tot Ion	Ratio	Lower	Upper
117	100		
119	86.1	76.1	114.1
121	30.8	25.5	38.3

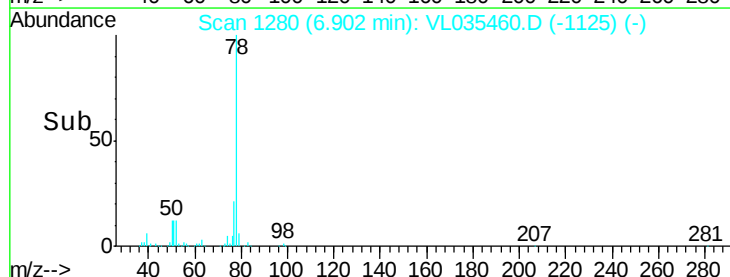
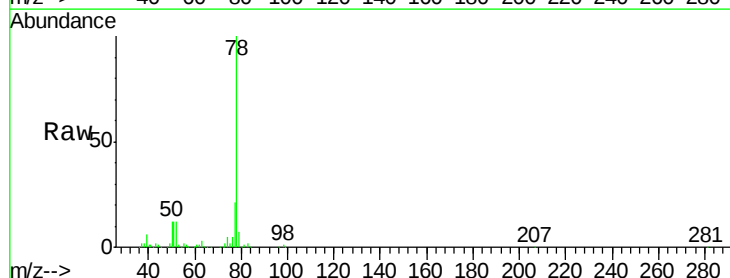
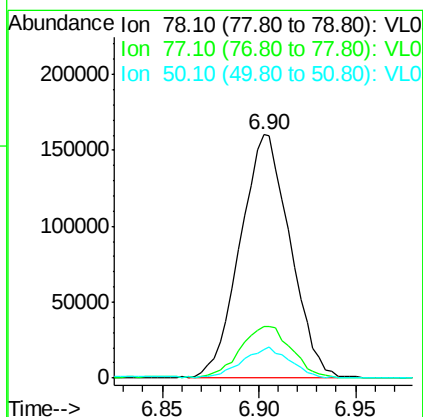
Manual Integrations
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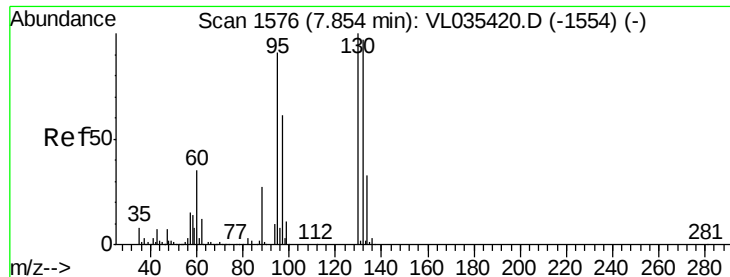
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#36
Benzene
Concen: 0.747 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.7	19.6	29.4
50	11.5	16.3	24.5#





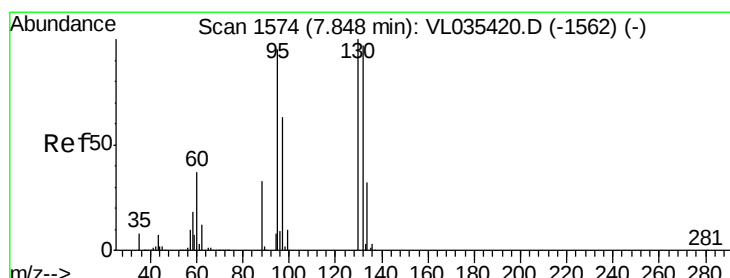
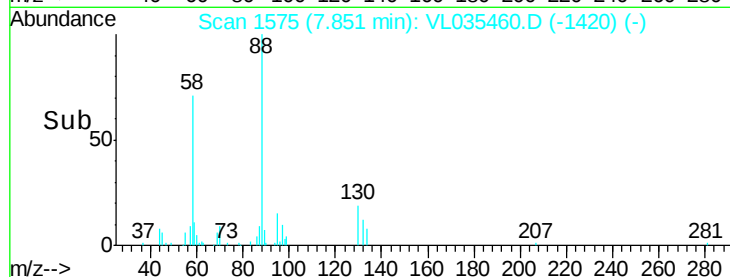
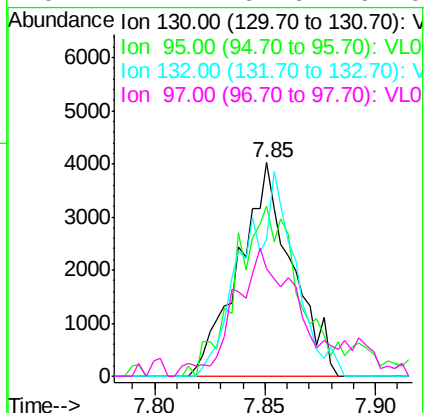
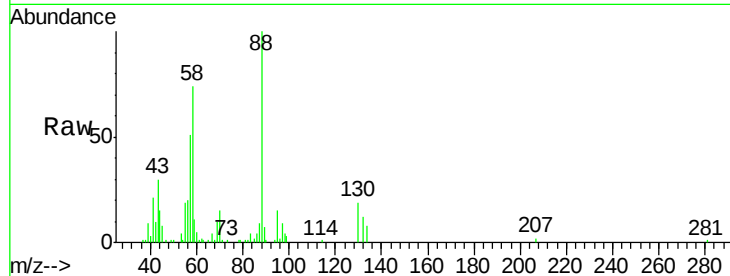
#38
 Trichloroethene
 Concen: 0.032 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL035460.D
 Acq: 19 Aug 2020 8:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-02

Tot Ion:	130	Resp:	6720
Ion Ratio	Lower	Upper	
130	100		
95	74.9	95.8	143.8#
132	64.0	74.3	111.5#
97	44.4	62.6	94.0#

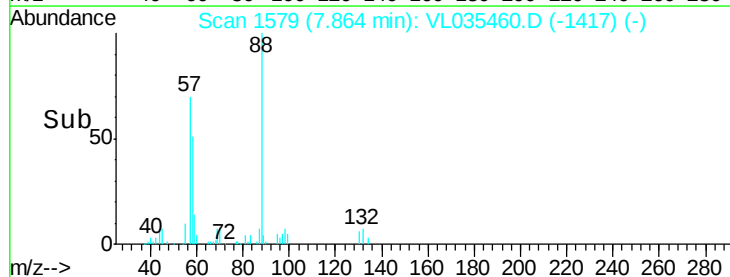
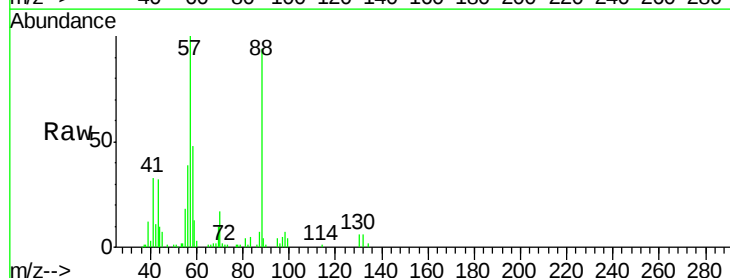
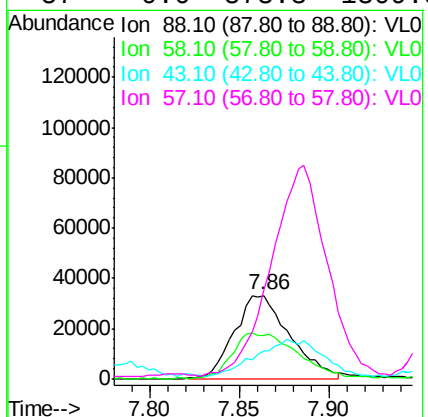
Manual Integrations
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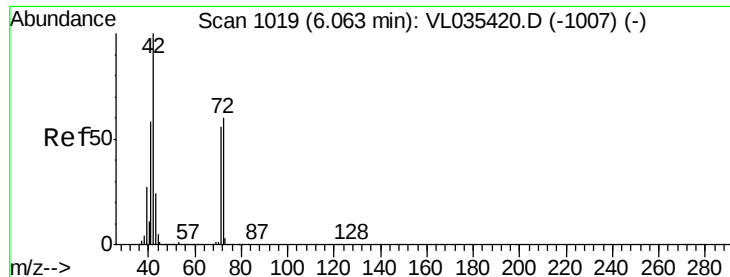
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#40
 1,4-Dioxane
 Concen: 1.043 ppbv m
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VL035460.D
 Acq: 19 Aug 2020 8:23

Tgt Ion:	88	Resp:	71712
Ion Ratio	Lower	Upper	
88	100		
58	0.0	106.6	160.0#
43	0.0	209.7	314.5#
57	0.0	873.3	1309.9#





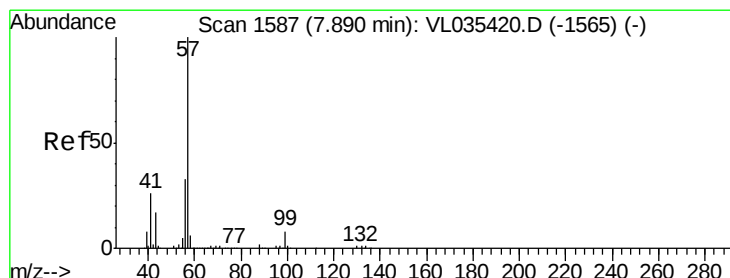
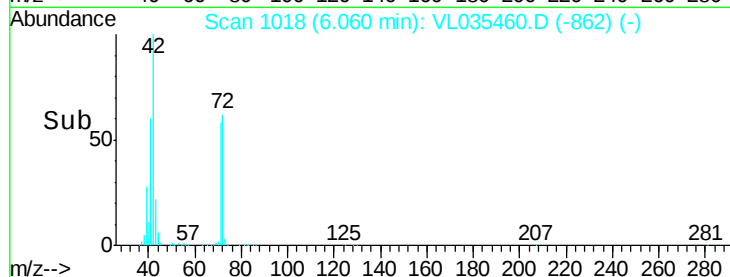
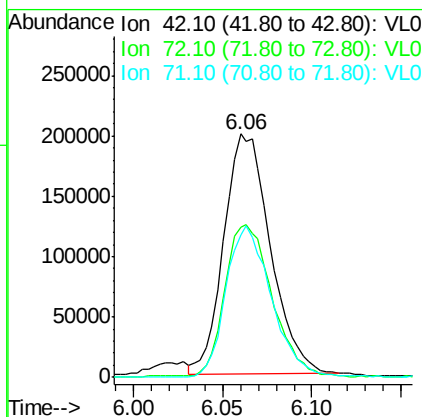
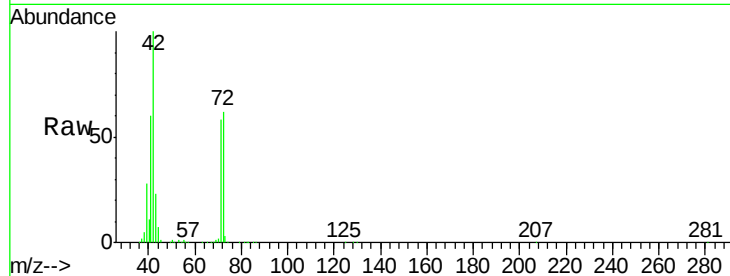
#41
Tetrahydrofuran
Concen: 3.757 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Instrument :
MSVOA_L
ClientSampled :
SS-02

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	66.0	29.4	44.2#	
71	62.3	28.9	43.3#	

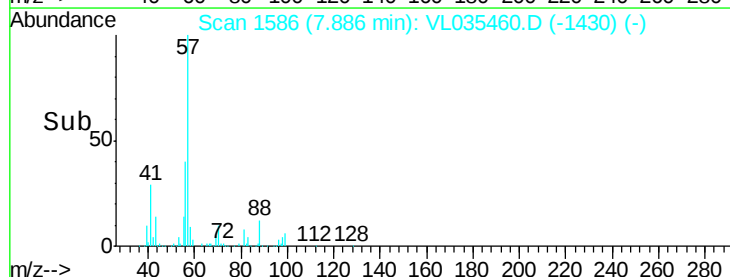
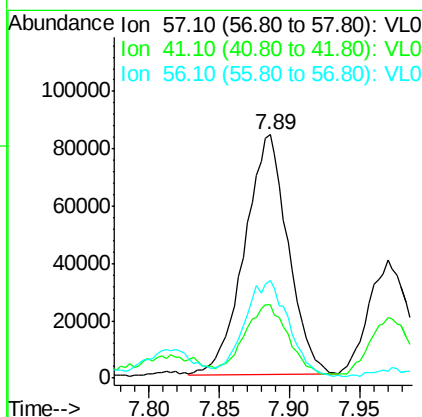
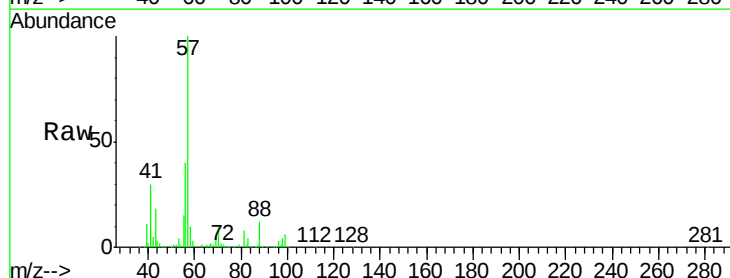
Manual Integrations
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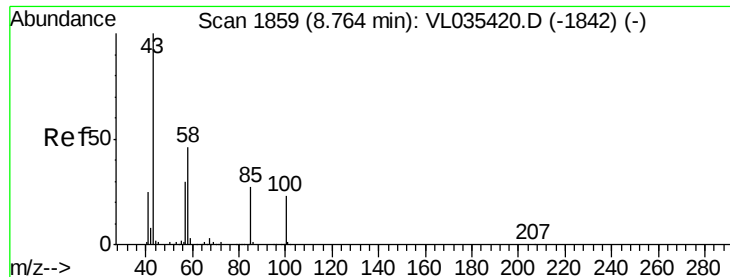
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#44
2,2,4-Trimethylpentane
Concen: 0.362 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Tgt Ion	Ratio	Resp	Lower	Upper
57	100			
41	32.3	27.2	40.8	
56	43.1	25.4	38.0#	





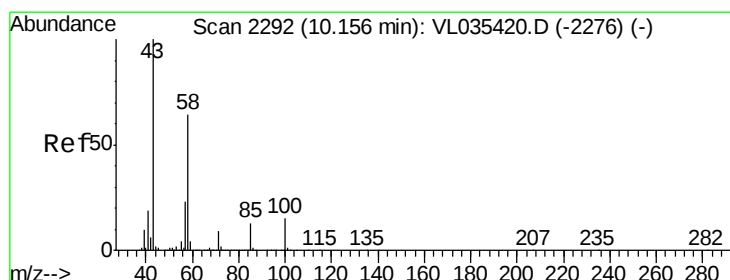
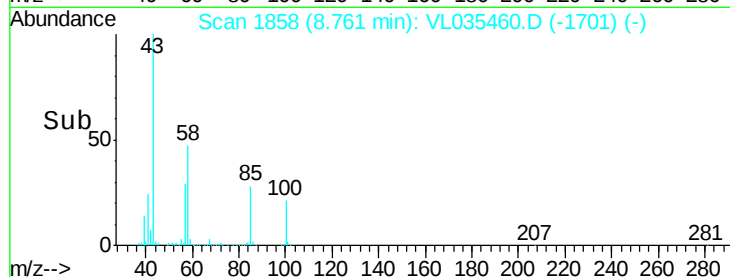
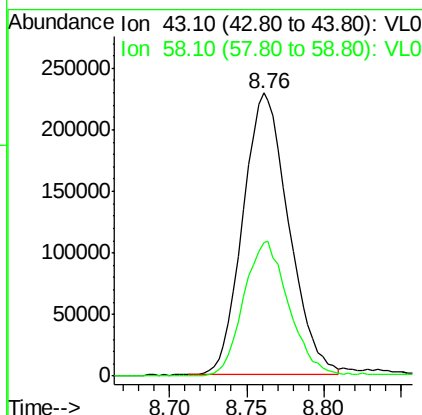
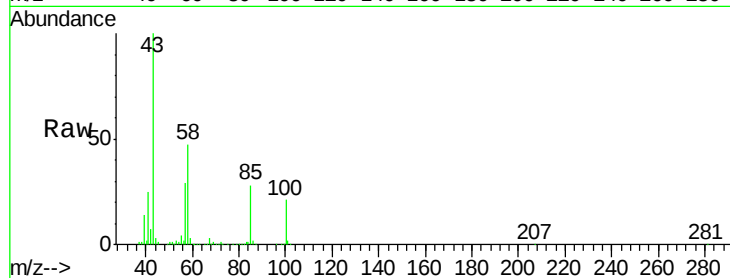
#50
 4-Methyl-2-Pentanone
 Concen: 1.887 ppbv
 RT: 8.76 min Scan# 1858
 Delta R.T. 0.01 min
 Lab File: VL035460.D
 Acq: 19 Aug 2020 8:23

Instrument :
 MSVOA_L
 ClientSampled :
 SS-02

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.5	28.7	43.1#

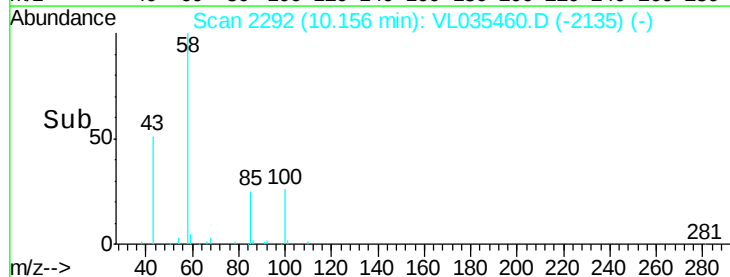
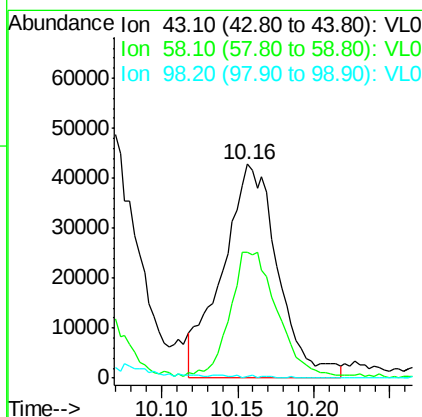
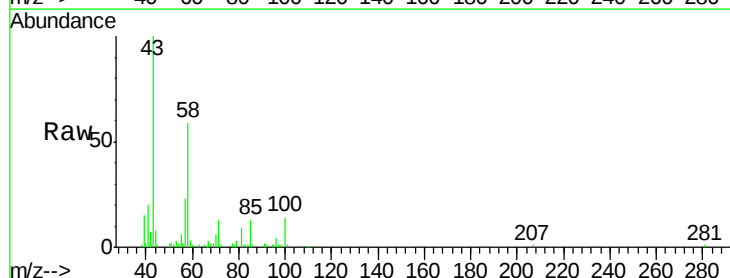
Manual Integrations
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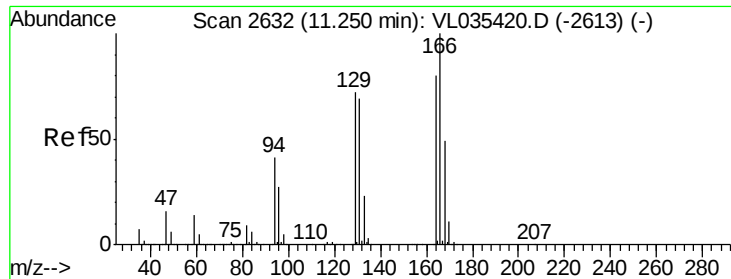
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#51
 2-Hexanone
 Concen: 0.514 ppbv m
 RT: 10.16 min Scan# 2292
 Delta R.T. 0.01 min
 Lab File: VL035460.D
 Acq: 19 Aug 2020 8:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.6	58.0#
98	0.0	0.2	0.2#





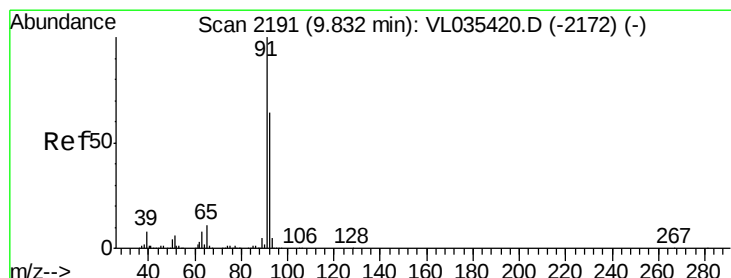
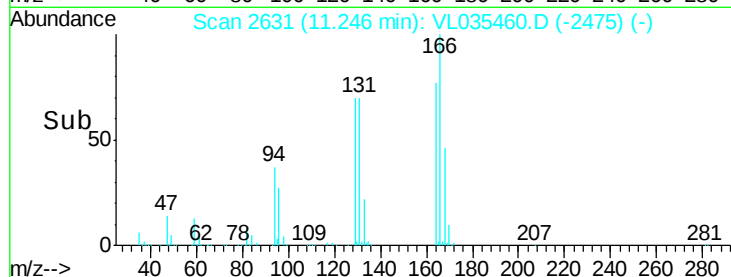
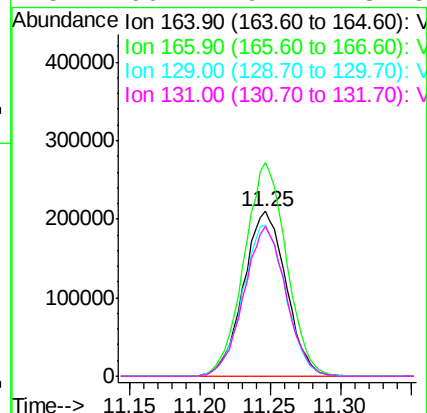
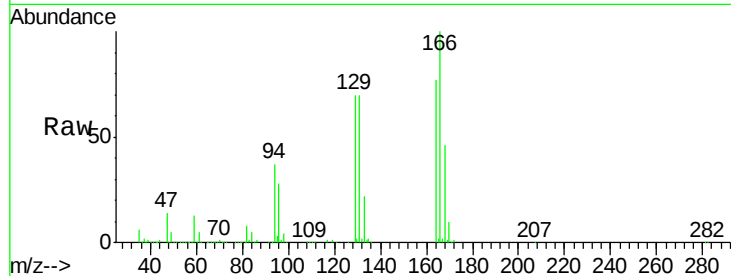
#52
Tetrachloroethene
Concen: 1.893 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Instrument :
MSVOA_L
ClientSampled :
SS-02

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.4	155.0
129	91.2	90.2	135.4
131	90.7	91.7	137.5#

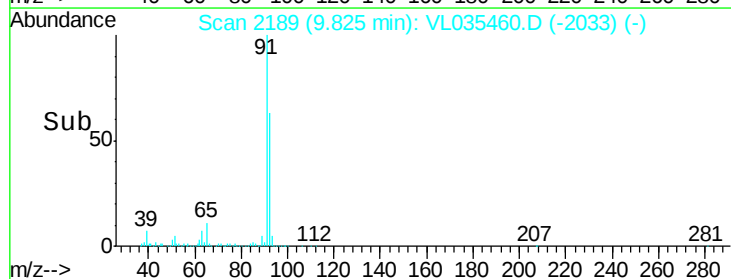
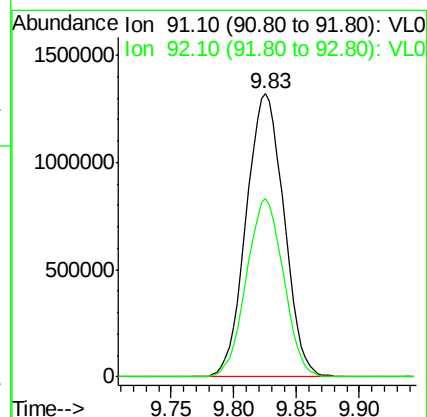
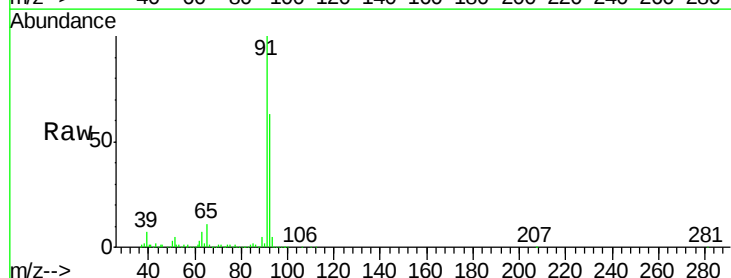
Manual Integrations
APPROVED

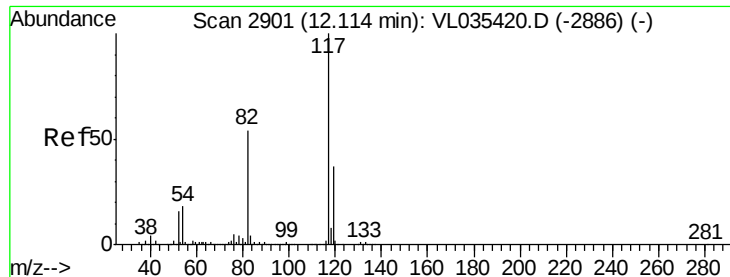
MMDadoda
8/20/2020 11:07:41 AM



#53
Toluene
Concen: 5.619 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. 0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.0	49.1	73.7





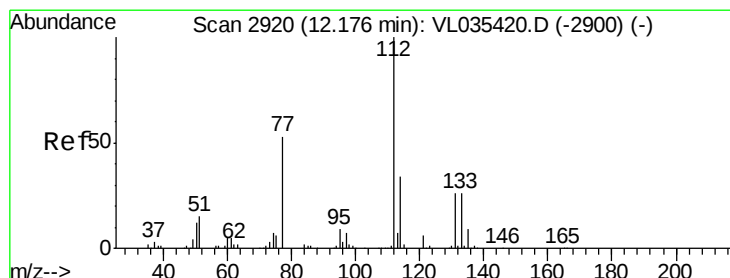
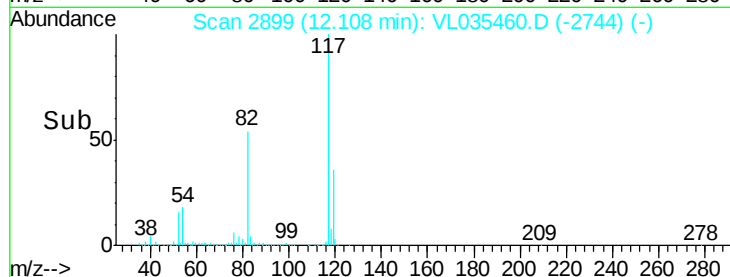
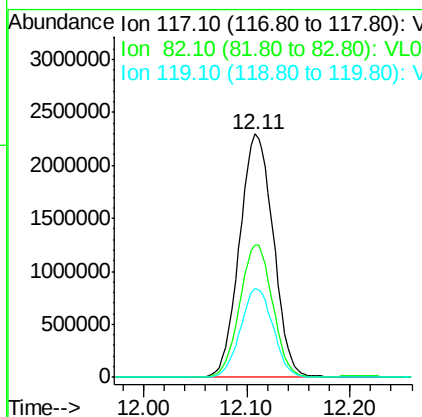
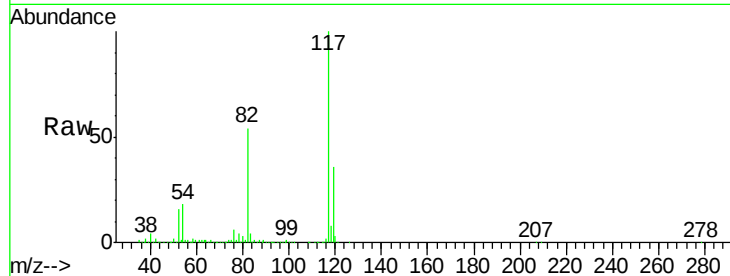
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
SS-02

Tot Ion:117 Resp: 5228747
Ion Ratio Lower Upper
117 100
82 53.0 57.4 86.0#
119 35.4 28.4 42.6

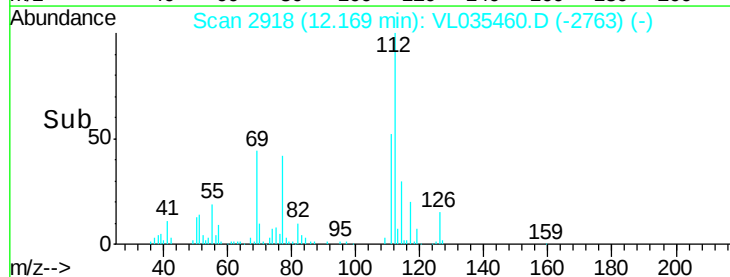
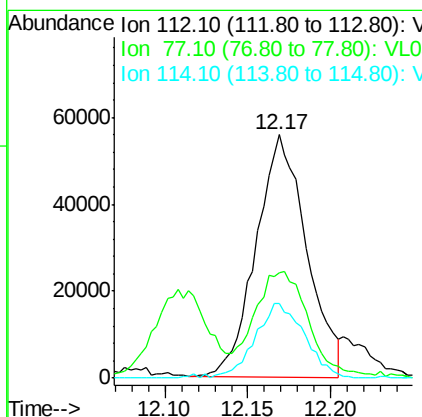
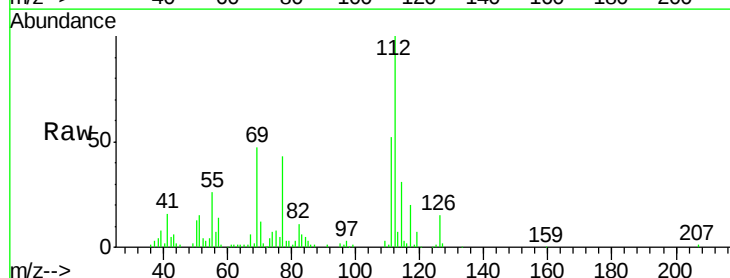
Manual Integrations
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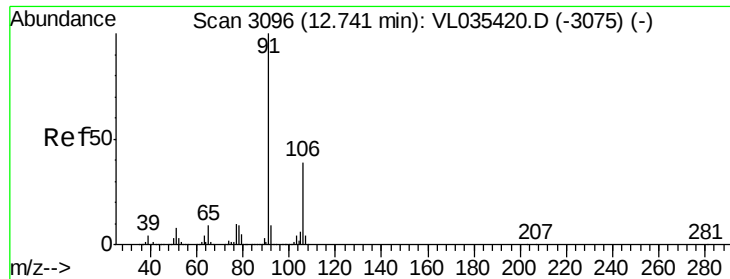
MMDadoda
8/20/2020 11:07:41 AM



#57
Chlorobenzene
Concen: 0.272 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Tgt Ion:112 Resp: 118667
Ion Ratio Lower Upper
112 100
77 38.8 60.6 91.0#
114 30.3 28.5 34.9





#58

Ethyl Benzene

Concen: 1.546 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

ClientSampled :

SS-02

Tot Ion: 91 Resp: 976043

Ion Ratio Lower Upper

91 100

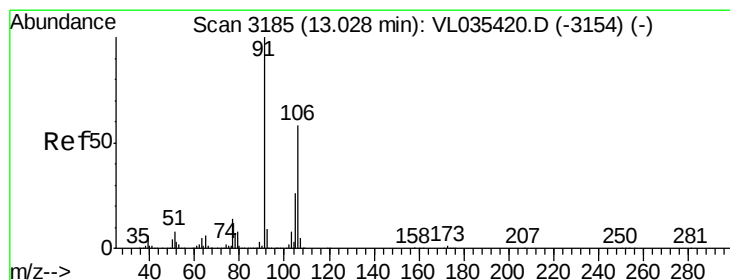
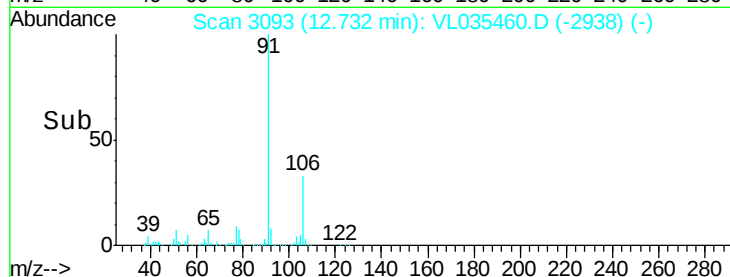
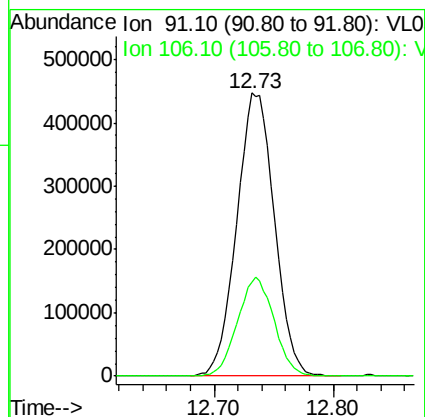
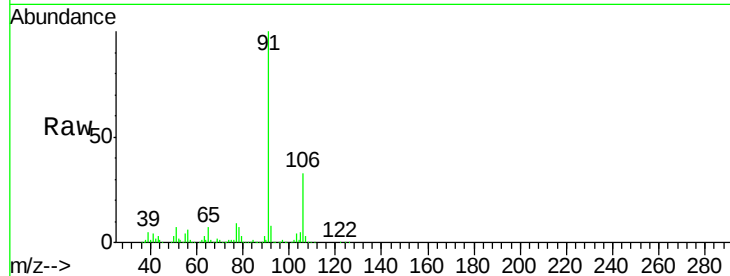
106 33.3 24.1 36.1

Manual Integrations

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#59

m/p-Xylene

Concen: 4.362 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. -0.03 min

Lab File: VL035460.D

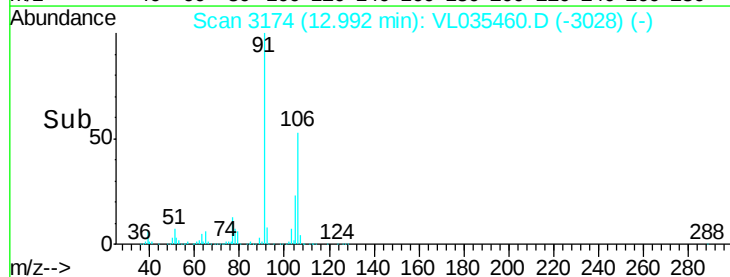
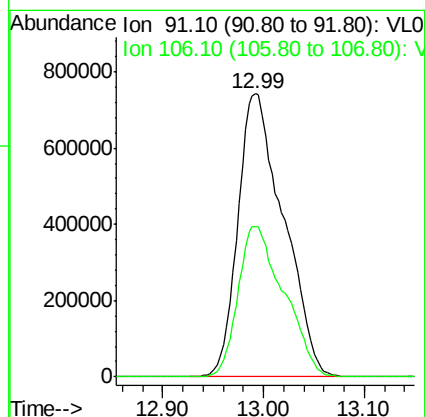
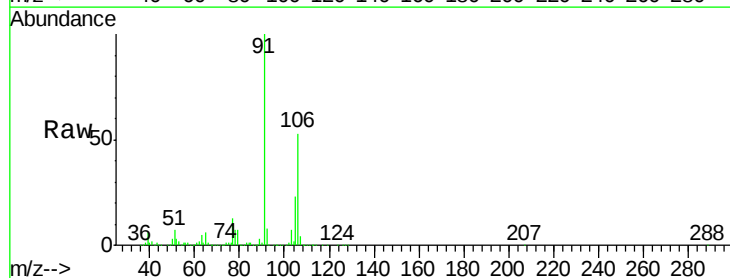
Acq: 19 Aug 2020 8:23

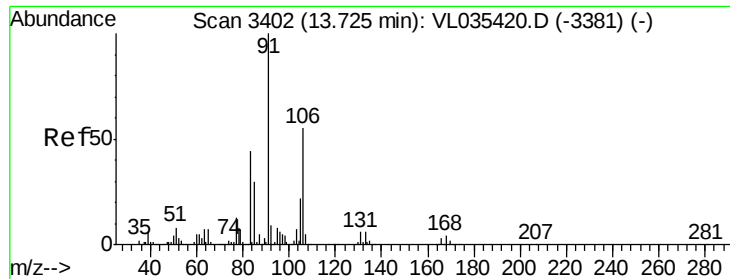
Tgt Ion: 91 Resp: 2327410

Ion Ratio Lower Upper

91 100

106 53.6 34.0 51.0#





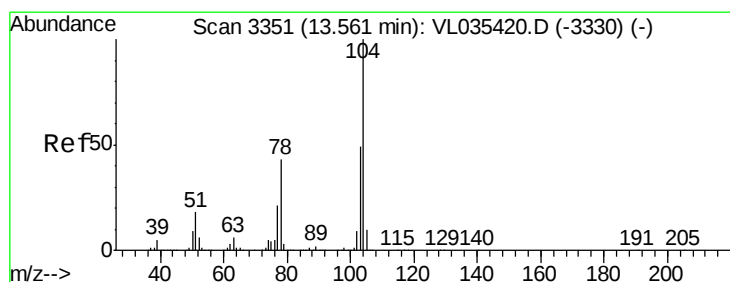
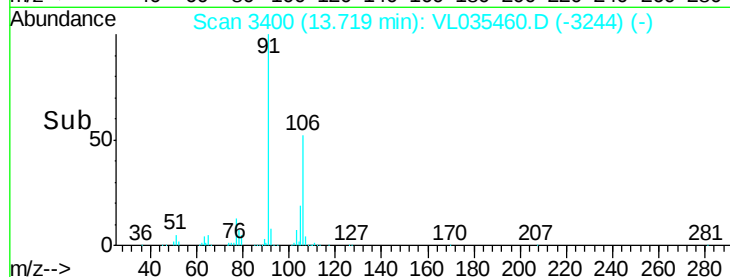
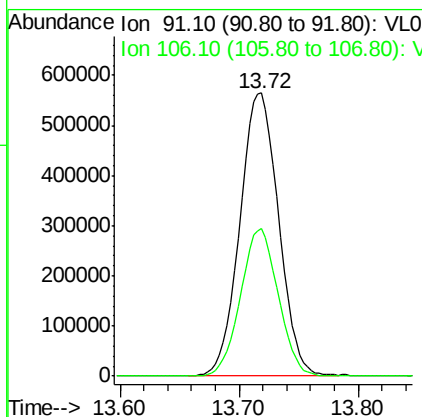
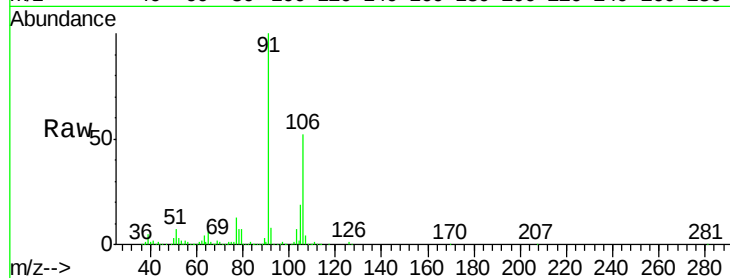
#60
o-Xylene
Concen: 2.448 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Instrument :
MSVOA_L
ClientSampled :
SS-02

Tot Ion: 91 Resp: 1269433
Ion Ratio Lower Upper
91 100
106 50.9 21.8 65.3

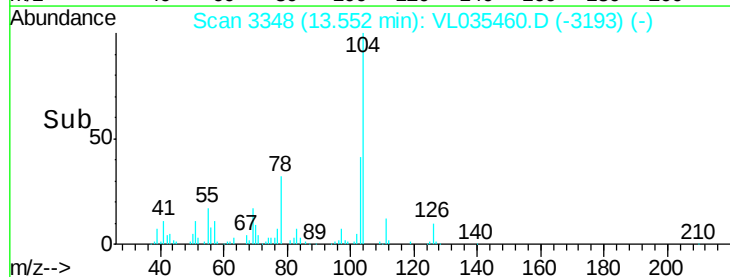
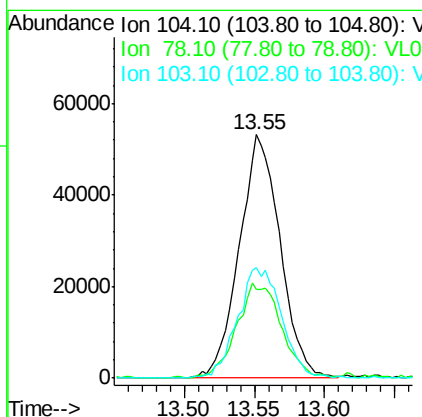
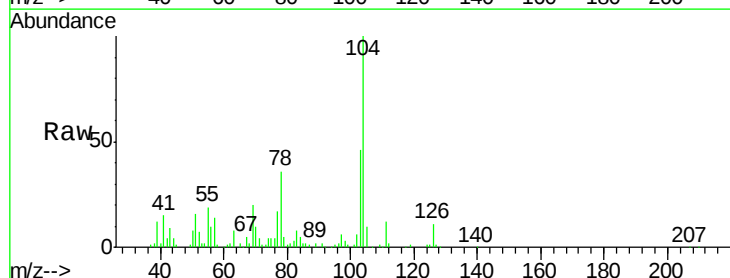
Manual Integrations
APPROVED

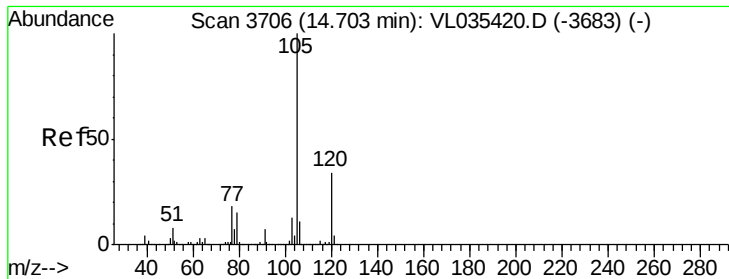
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#61
Styrene
Concen: 0.257 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Tgt Ion: 104 Resp: 107867
Ion Ratio Lower Upper
104 100
78 43.1 45.4 68.2#
103 48.9 37.8 56.8





#62

Isopropylbenzene

Concen: 1.257 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

SS-02

Tot Ion:105 Resp: 1067940

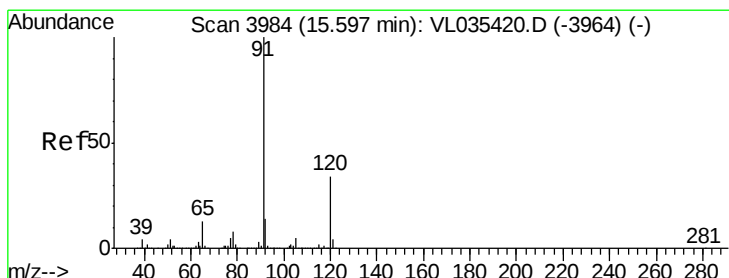
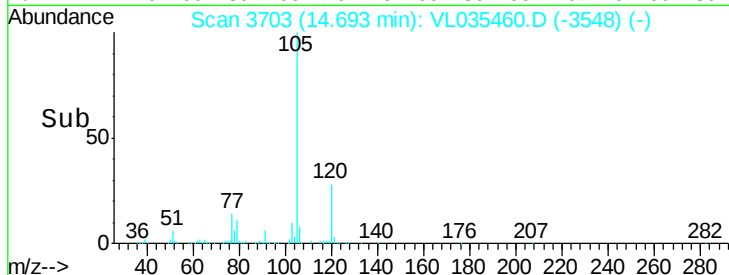
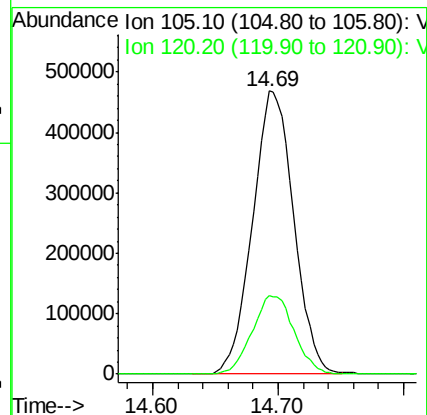
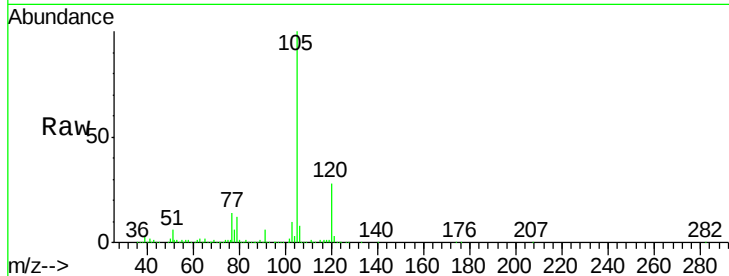
Ion Ratio Lower Upper

105 100

120 28.4 20.3 30.5

Manual Integrations
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#64

n-propylbenzene

Concen: 2.765 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. 0.00 min

Lab File: VL035460.D

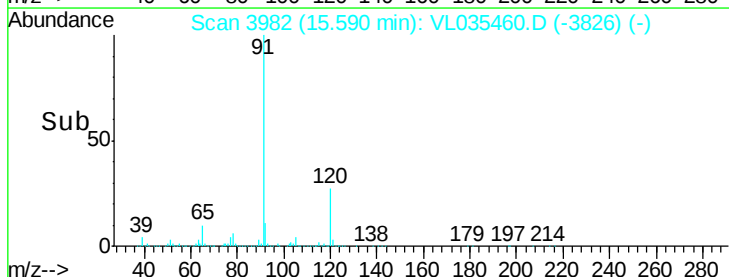
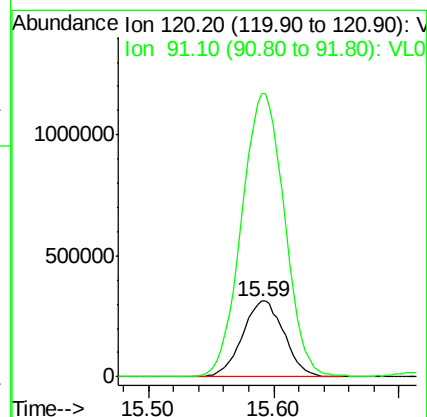
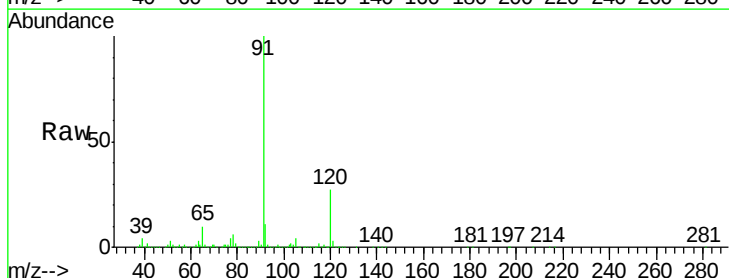
Acq: 19 Aug 2020 8:23

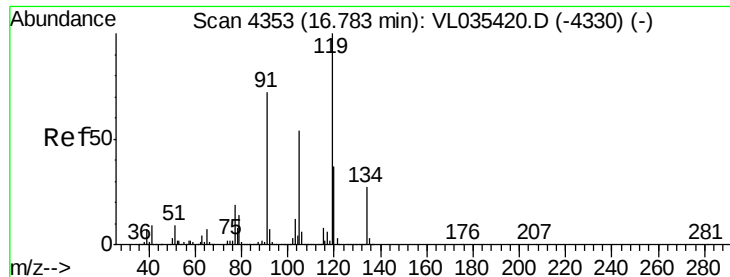
Tgt Ion:120 Resp: 724310

Ion Ratio Lower Upper

120 100

91 383.1 385.5 578.3#





#65

tert-Butylbenzene

Concen: 0.755 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.02 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

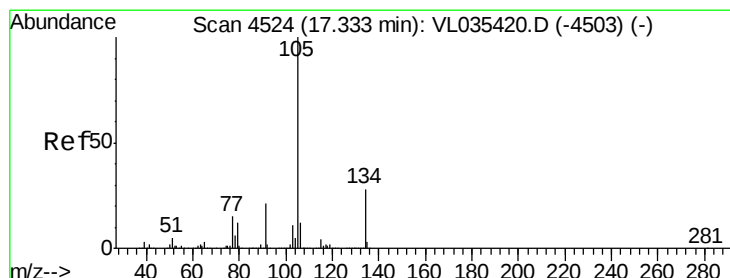
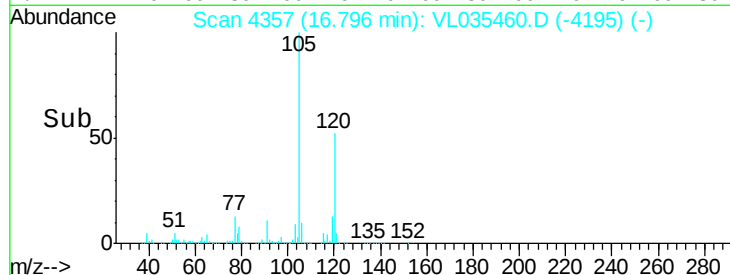
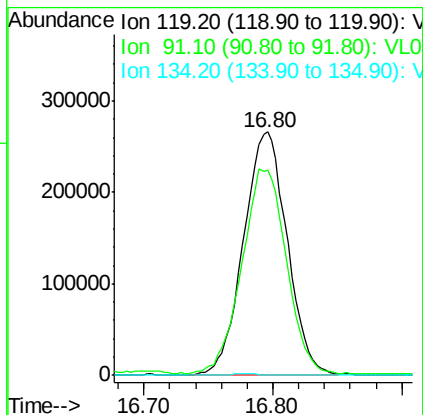
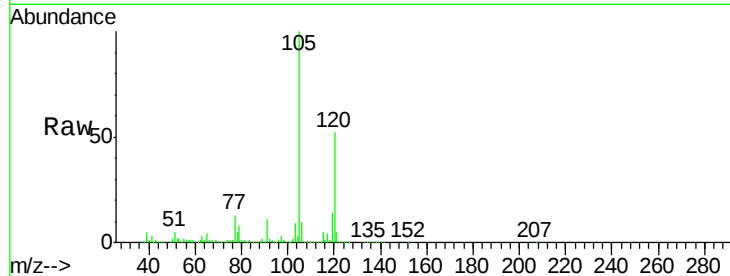
ClientSampleId :

SS-02

Tot Ion	Ratio	Lower	Upper
119	100		
91	86.7	72.0	108.0
134	0.7	15.7	23.5

Manual Integrations
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#67

sec-Butylbenzene

Concen: 0.183 ppbv

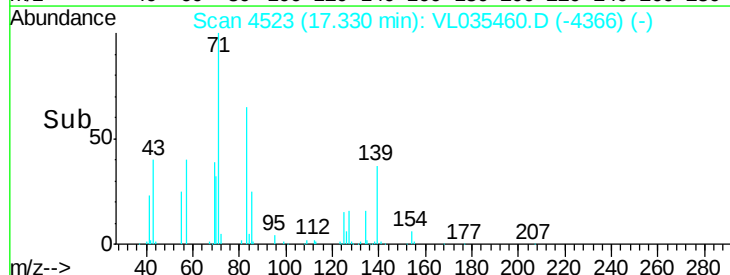
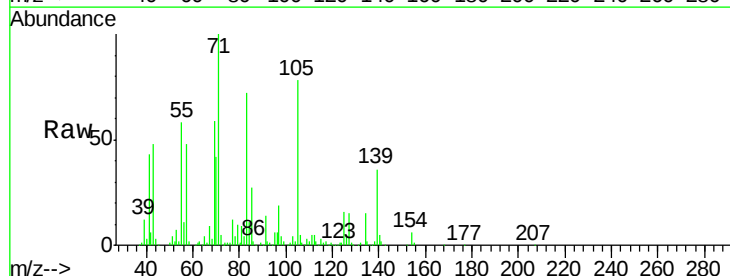
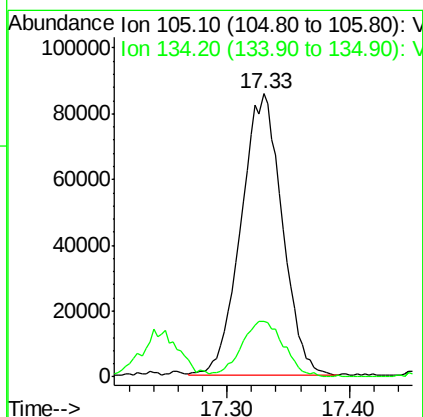
RT: 17.33 min Scan# 4523

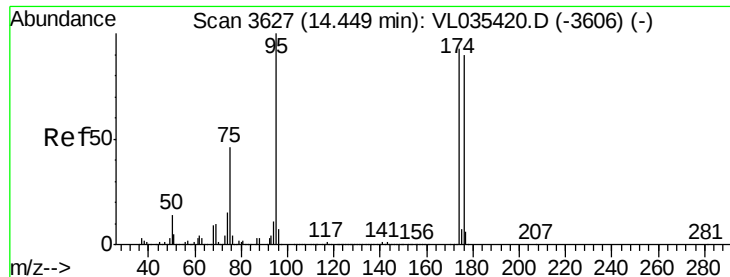
Delta R.T. 0.01 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	14.1	21.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.518 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

SS-02

Tot Ion: 95 Resp: 3850270

Ion Ratio Lower Upper

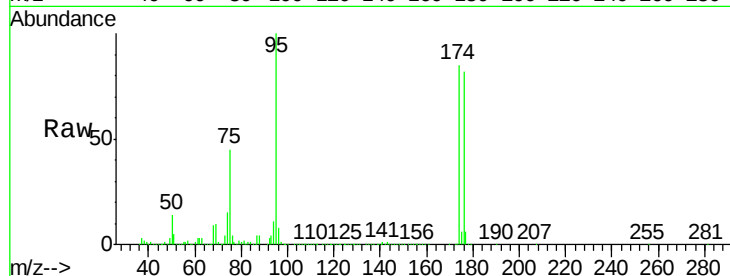
95 100

174 87.4 44.0 66.0#

175 6.4 3.2 4.8#

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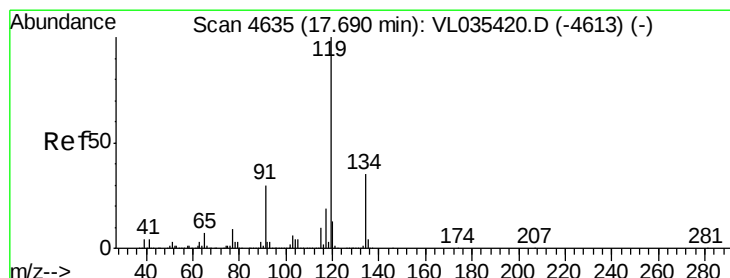
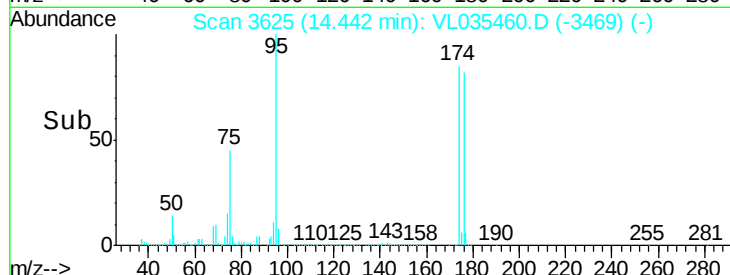
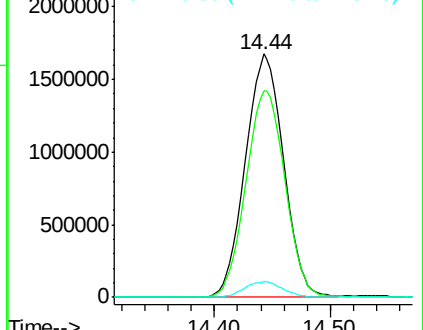
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Abundance Ion 95.10 (94.80 to 95.80): VL035420.D (-3606) (-)

Ion 174.00 (173.70 to 174.70): VL035420.D (-3606) (-)

Ion 175.00 (174.70 to 175.70): VL035420.D (-3606) (-)



#69

p-Isopropyltoluene

Concen: 2.323 ppbv

RT: 17.69 min Scan# 4634

Delta R.T. 0.01 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

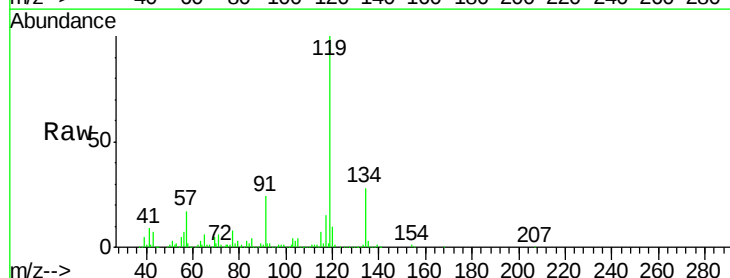
Tgt Ion: 119 Resp: 2240066

Ion Ratio Lower Upper

119 100

134 27.3 20.6 30.8

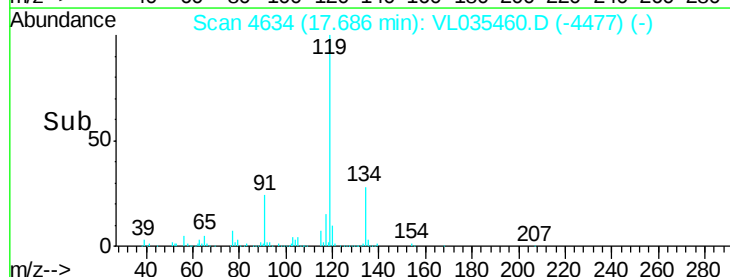
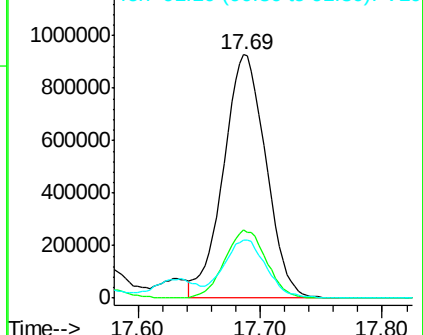
91 24.0 26.6 39.8#

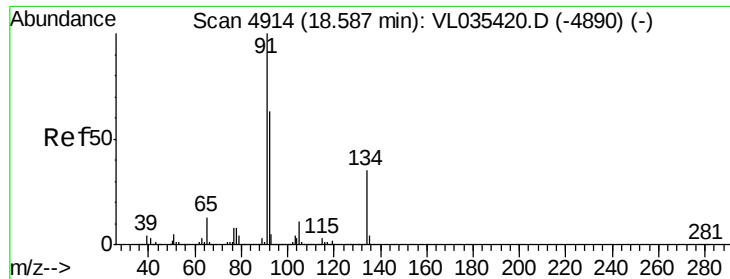


Abundance Ion 119.10 (118.80 to 119.80): VL035420.D (-4613) (-)

Ion 134.20 (133.90 to 134.90): VL035420.D (-4613) (-)

Ion 91.10 (90.80 to 91.80): VL035420.D (-4613) (-)





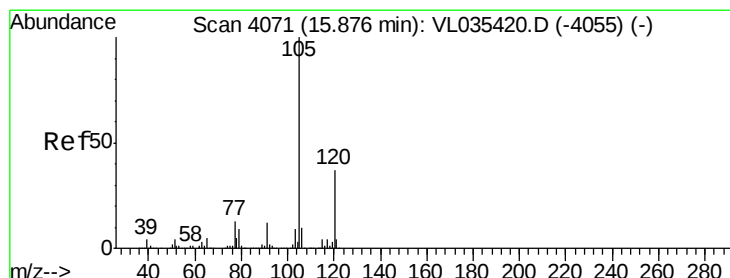
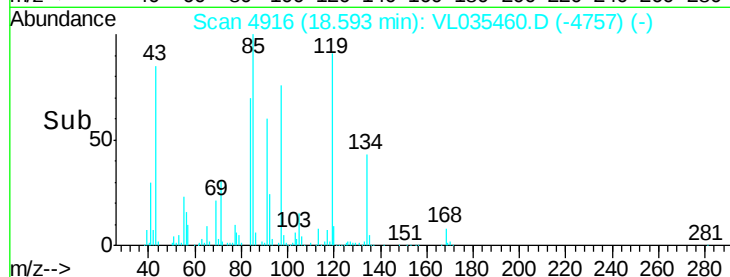
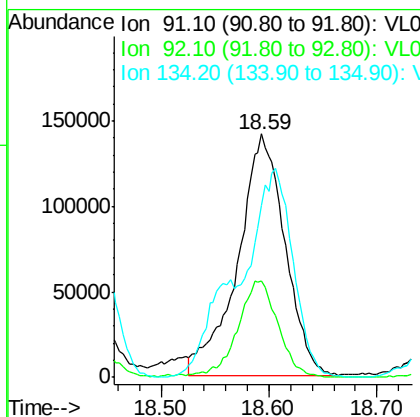
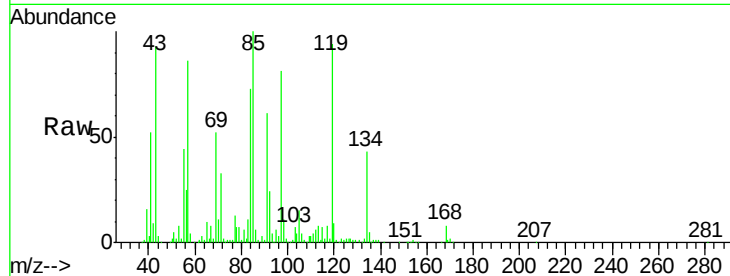
#70
n-Butylbenzene
Concen: 0.470 ppbv
RT: 18.59 min Scan# 4916
Delta R.T. 0.01 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Instrument :
MSVOA_L
Client Sampled :
SS-02

Tot Ion	Ratio	Lower	Upper
91	100		
92	34.0	44.8	67.2#
134	100.0	17.3	25.9#

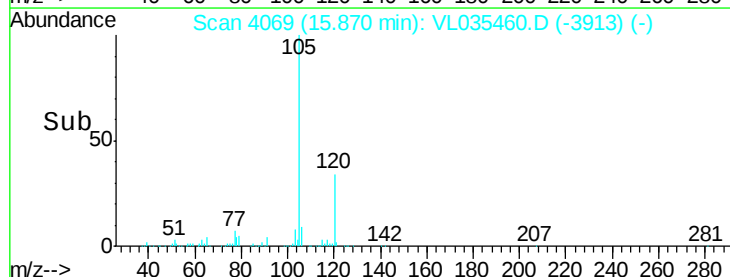
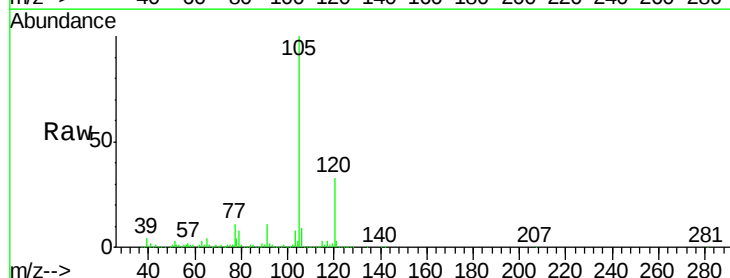
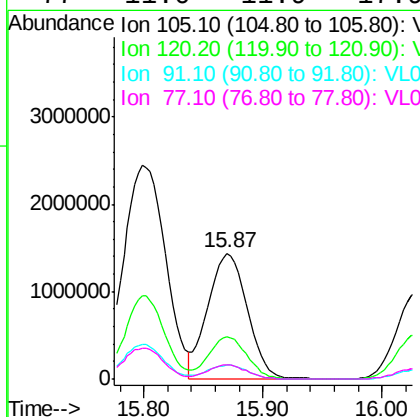
Manual Integrations
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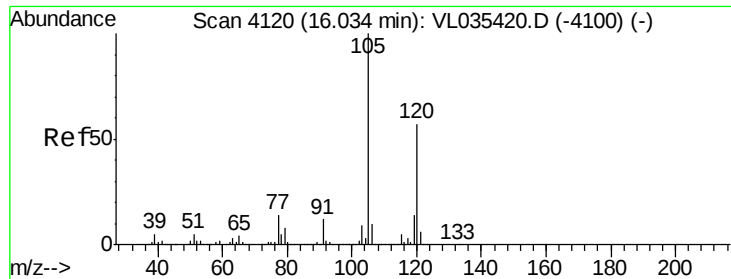
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#72
4-Ethyltoluene
Concen: 4.854 ppbv
RT: 15.87 min Scan# 4069
Delta R.T. 0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	32.9	22.7	34.1
91	11.3	10.8	16.2
77	11.0	11.9	17.9#





#73

1,3,5-Trimethylbenzene

Concen: 3.607 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA_L

ClientSampled :

SS-02

Tot Ion:105 Resp: 2283784

Ion Ratio Lower Upper

105 100

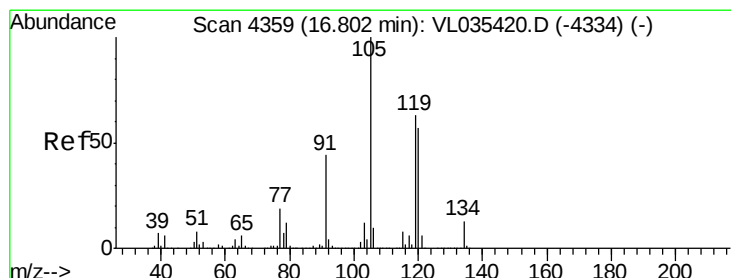
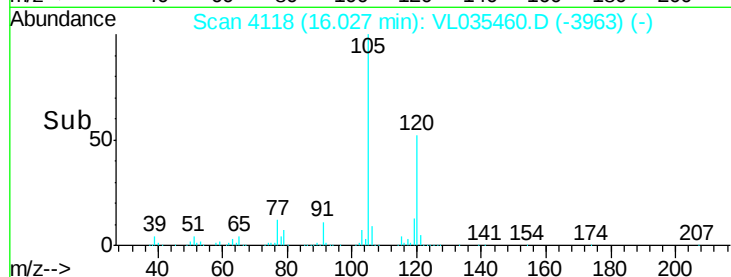
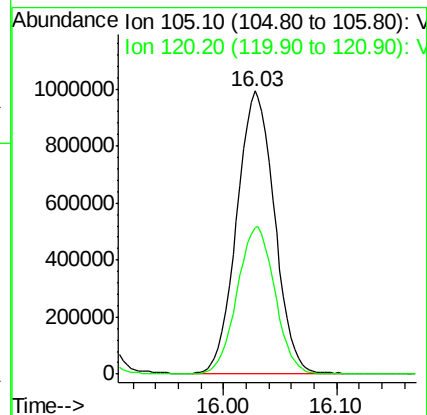
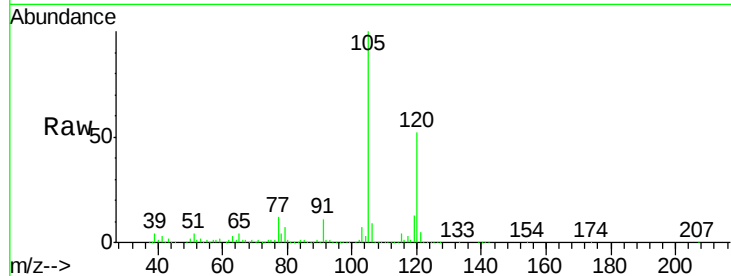
120 51.5 35.6 53.4

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 7.012 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Tgt Ion:105 Resp: 4824277

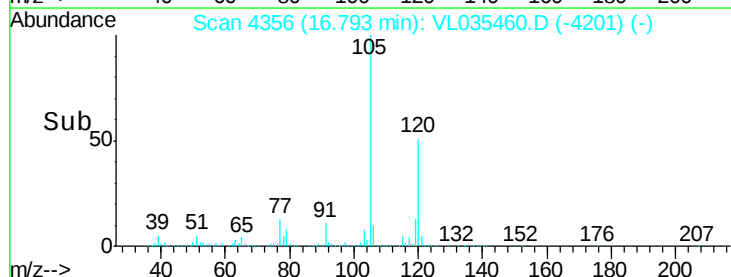
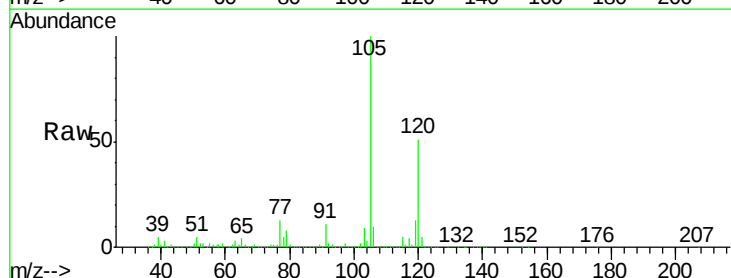
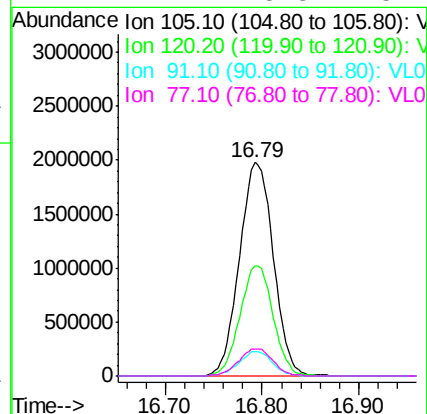
Ion Ratio Lower Upper

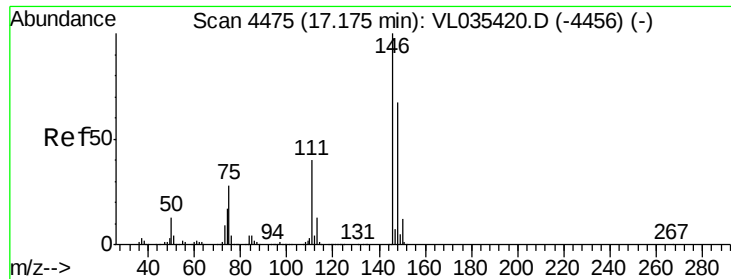
105 100

120 51.5 37.8 56.8

91 11.2 40.0 60.0#

77 12.7 18.8 28.2#





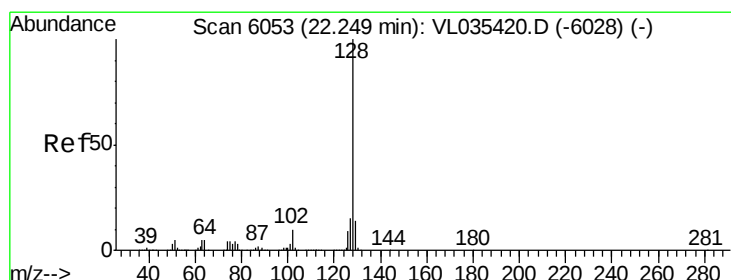
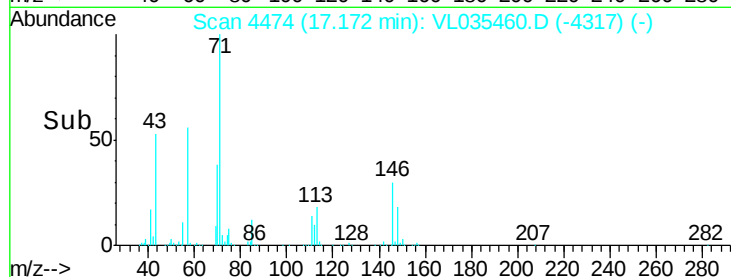
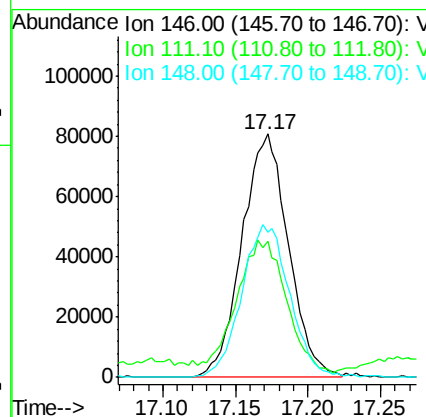
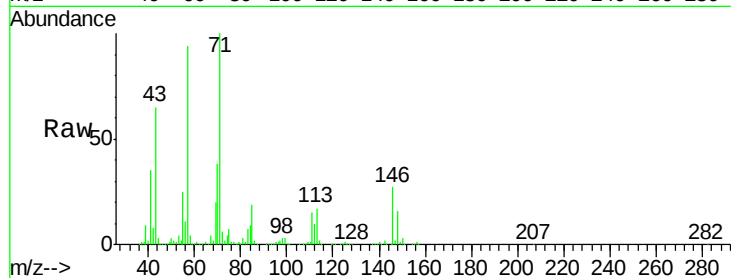
#76
 1,4-Dichlorobenzene
 Concen: 0.344 ppbv
 RT: 17.17 min Scan# 4474
 Delta R.T. 0.01 min
 Lab File: VL035460.D
 Acq: 19 Aug 2020 8:23

Instrument :
 MSVOA_L
 ClientSampled :
 SS-02

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.8	24.8	74.4
148	64.9	32.1	96.3

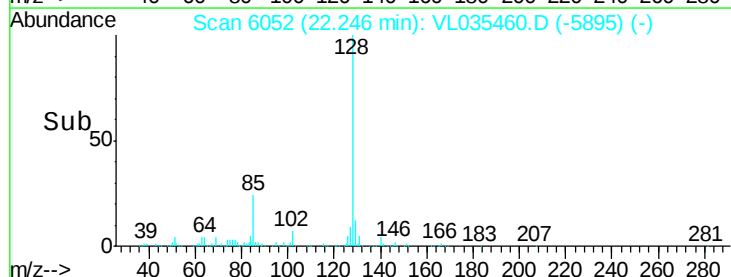
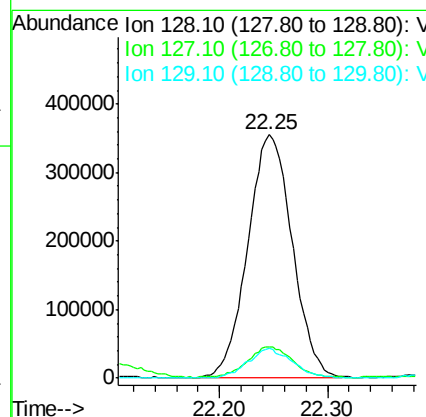
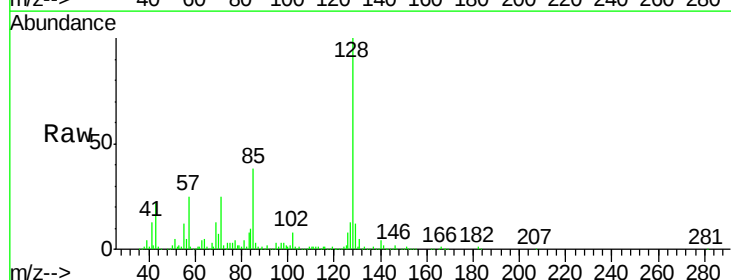
Manual Integrations
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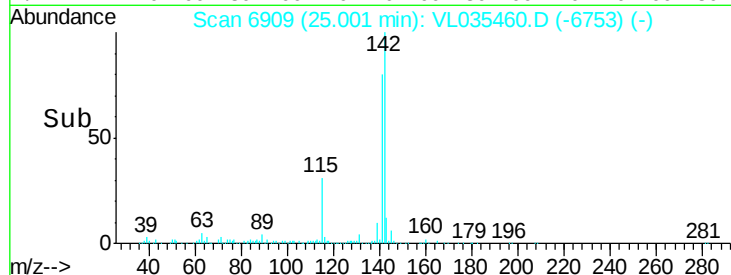
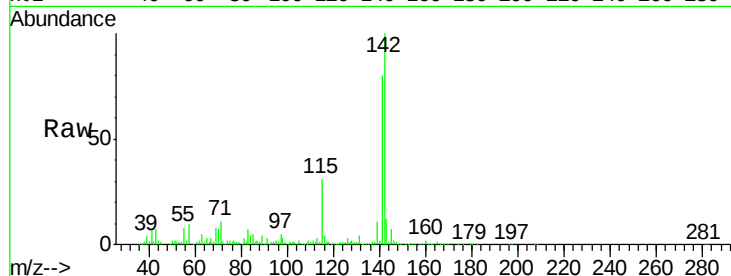
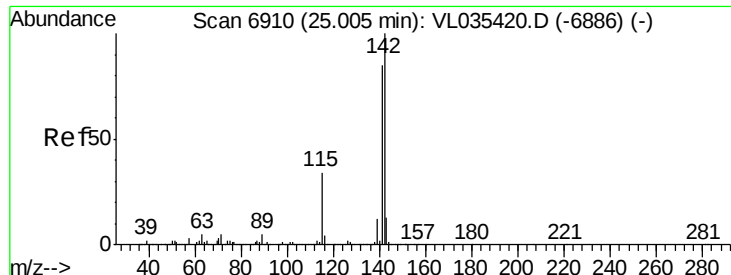
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#79
 Naphthalene
 Concen: 1.052 ppbv
 RT: 22.25 min Scan# 6052
 Delta R.T. 0.01 min
 Lab File: VL035460.D
 Acq: 19 Aug 2020 8:23

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	11.4	17.0
129	12.0	9.5	14.3





#80
Naphthalene,2-methyl-
Concen: 0.898 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.00 min
Lab File: VL035460.D
Acq: 19 Aug 2020 8:23

Tot Ion:	142	Resp:	359455
Ion Ratio	Lower	Upper	
142	100		
141	82.7	67.1	100.7
115	38.7	36.1	54.1

Instrument :
MSVOA_L
ClientSampleId :
SS-02

Manual Integrations
APPROVED

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8/20/2020 11:07:41 AM

