

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035578.D
 Acq On : 9 Sep 2020 8:34
 Operator : SY/AP
 Sample : L3898-11
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:45:53 AM

Quant Time: Sep 10 01:04:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1151680	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4778738	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	4785074	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	3612722	10.63	ppbv	-0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	43049	0.216	ppbv	98
3) Chlorodifluoromethane	2.97	51	30316m	0.238	ppbv	
4) Chloromethane	3.12	50	28700	0.421	ppbv	94
9) Propene	2.99	41	332756	6.776	ppbv	93
10) Heptane	8.11	43	339392	2.573	ppbv	100
11) Trichlorofluoromethane	3.93	101	90552	0.311	ppbv	97
13) Ethanol	3.60	45	3230345	265.324	ppbv	99
15) Acetone	3.83	43	3452162m	27.178	ppbv	
17) tert-Butyl alcohol	4.29	59	102849	0.665	ppbv #	72
19) Isopropyl Alcohol	3.96	45	648158	8.554	ppbv #	1
20) Methylene Chloride	4.33	84	197395	2.087	ppbv	96
26) Hexane	5.67	57	520790	4.096	ppbv #	53
27) Carbon Disulfide	4.54	76	102148	0.560	ppbv #	84
29) Chloroform	5.74	83	108253	0.418	ppbv	95
30) Cyclohexane	7.12	84	141923	1.042	ppbv	95
34) 2-Butanone	5.22	43	4368896	30.806	ppbv	94
35) Carbon Tetrachloride	7.01	117	13653	0.057	ppbv	92
36) Benzene	6.88	78	512719	1.657	ppbv	96
37) 1,2-Dichloroethane	6.29	62	43951	0.298	ppbv #	92
38) Trichloroethene	7.83	130	21605	0.120	ppbv	97
41) Tetrahydrofuran	6.04	42	16281	0.216	ppbv #	76
43) Methyl Methacrylate	8.01	69	129643	1.084	ppbv	93
44) 2,2,4-Trimethylpentane	7.86	57	902527	2.217	ppbv #	86
50) 4-Methyl-2-Pentanone	8.74	43	115276	0.561	ppbv	98
52) Tetrachloroethene	11.22	164	236377	1.308	ppbv	98
53) Toluene	9.80	91	3071415	7.896	ppbv	100
58) Ethyl Benzene	12.71	91	1030880	2.089	ppbv	96
59) m/p-Xylene	12.96	91	2750806	6.672	ppbv	97
60) o-Xylene	13.69	91	1093578	2.633	ppbv	97
61) Styrene	13.52	104	111569	0.351	ppbv	99
62) Isopropylbenzene	14.67	105	109710	0.164	ppbv	95
64) n-propylbenzene	15.56	120	110009	0.540	ppbv	69
70) n-Butylbenzene	18.55	91	157497m	0.226	ppbv	
72) 4-Ethyltoluene	15.84	105	555037	1.051	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	509074	1.043	ppbv	95
74) 1,2,4-Trimethylbenzene	16.76	105	1677343	3.128	ppbv #	72
76) 1,4-Dichlorobenzene	17.14	146	47508	0.121	ppbv #	79
79) Naphthalene	22.21	128	1712890	2.879	ppbv	95
80) Naphthalene,2-methyl-	24.99	142	46841	0.231	ppbv	98

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Manual Integrations
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MMDadoda
9/10/2020 10:45:53 AM

Quant Time: Sep 10 01:04:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration

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

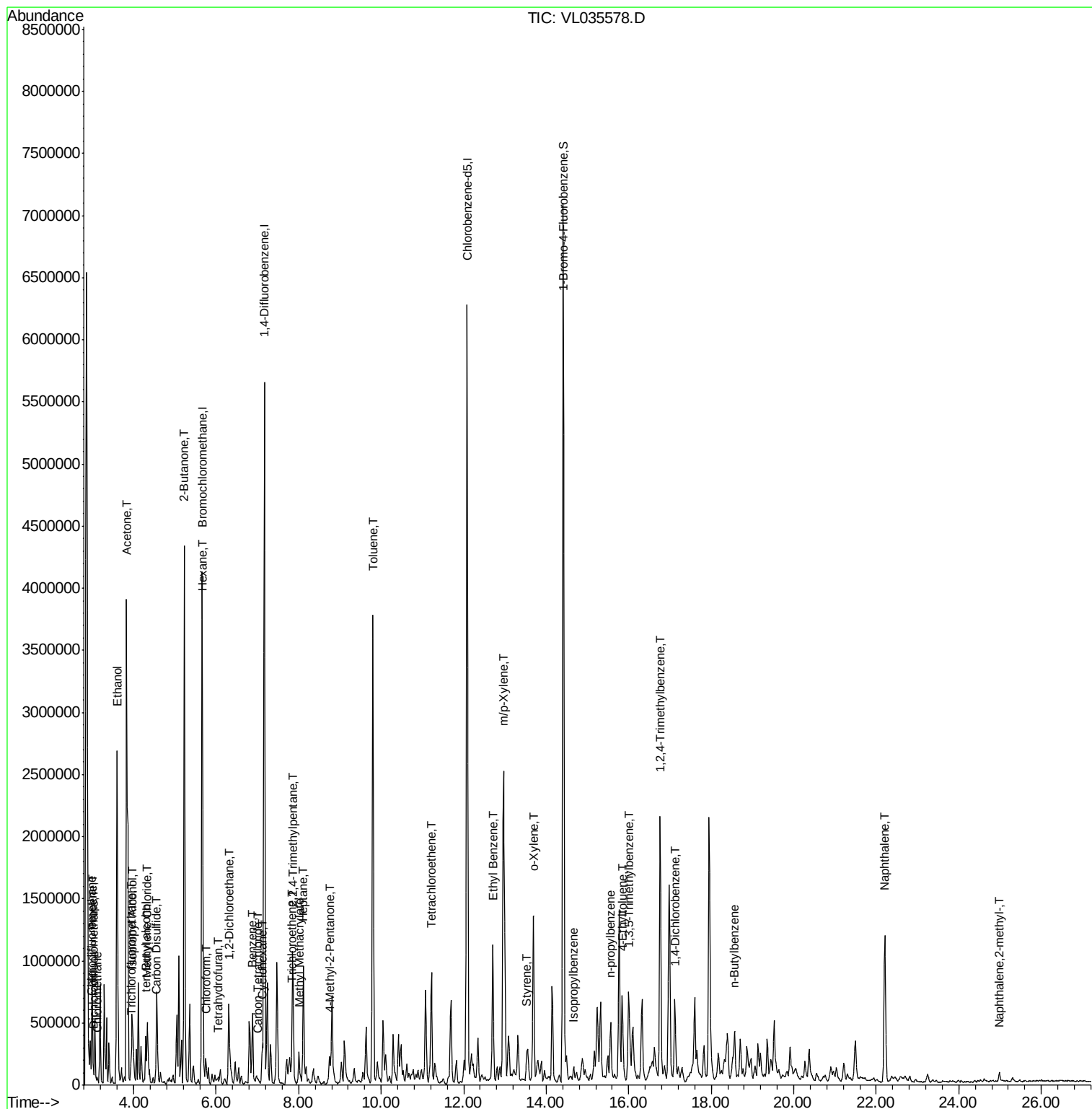
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Data File : VL035578.D
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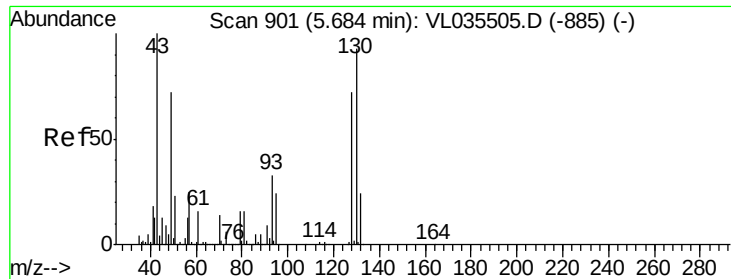
Instrument :
MSVOA_L
ClientSampleId :
SS-2

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9/10/2020 10:45:53 AM

Quant Time: Sep 10 01:04:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampled :

SS-2

Tot Ion: 49 Resp: 1151680

Ion Ratio Lower Upper

49 100

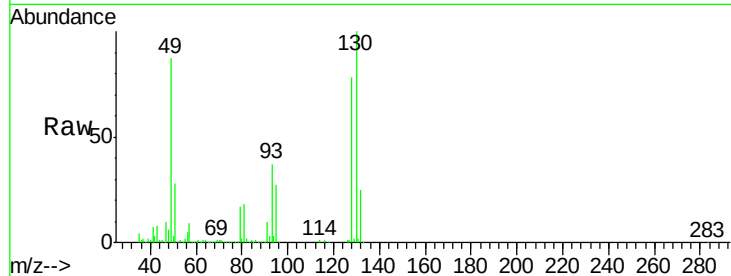
128 91.4 50.0 150.1

130 116.8 64.4 193.2

Manual Integrations
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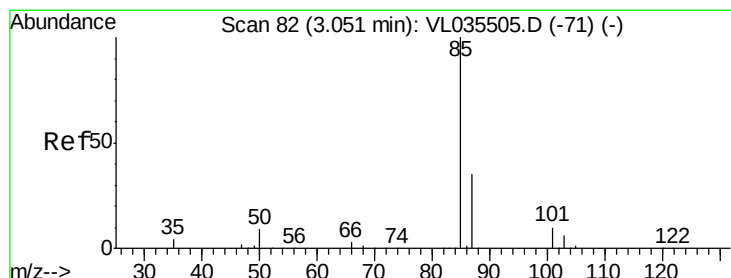
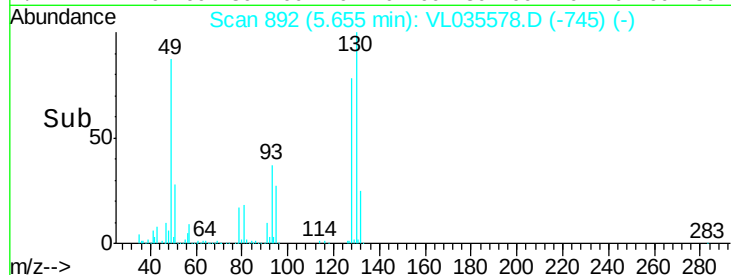
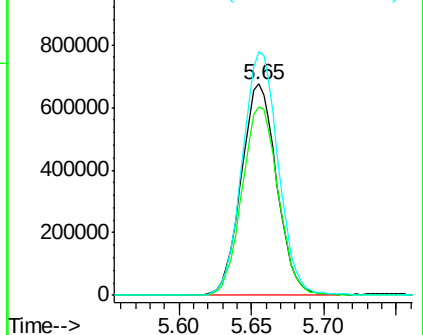
9/10/2020 10:45:53 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.216 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL035578.D

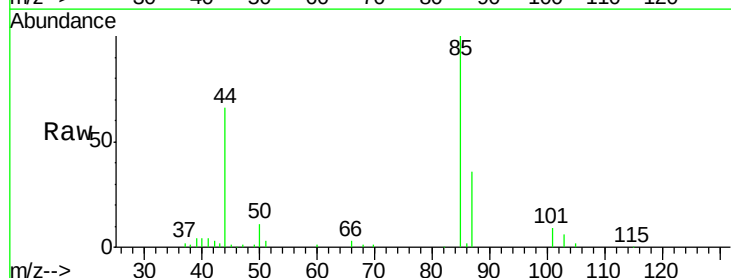
Acq: 9 Sep 2020 8:34

Tgt Ion: 85 Resp: 43049

Ion Ratio Lower Upper

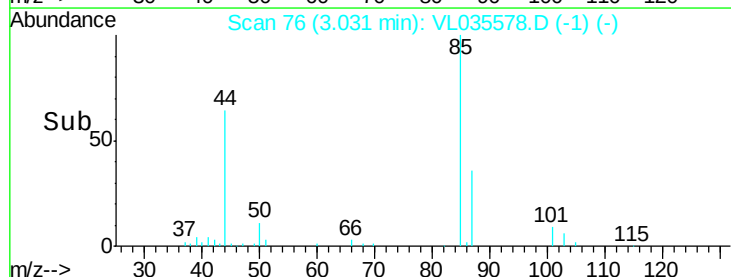
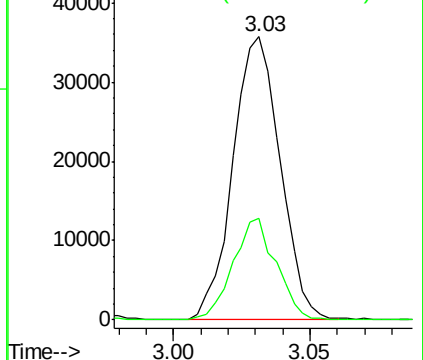
85 100

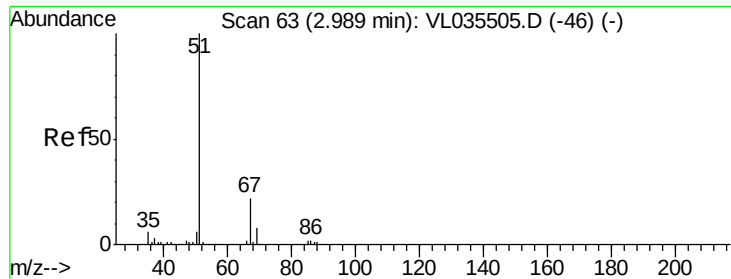
87 36.0 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





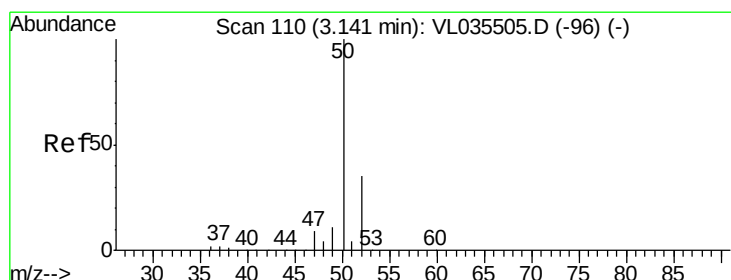
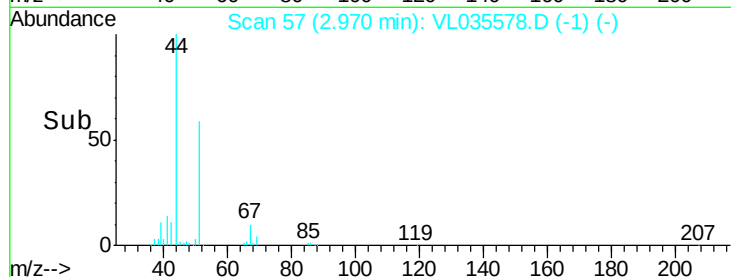
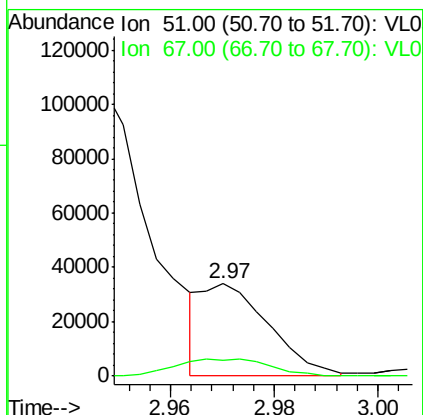
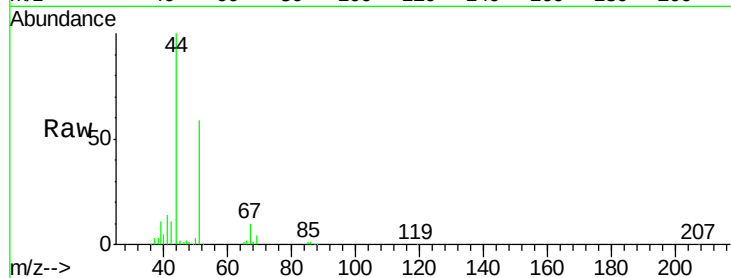
#3
Chlorodifluoromethane
Concen: 0.238 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Instrument :
MSVOA_L
ClientSampleId :
SS-2

Tot Ion: 51 Resp: 30316
Ion Ratio Lower Upper
51 100
67 27.4 17.8 26.8#

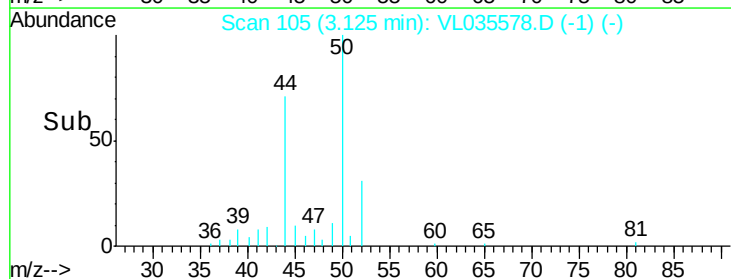
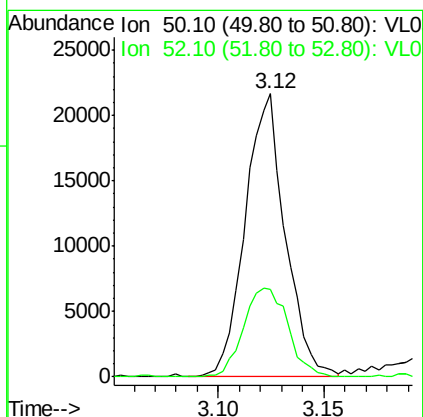
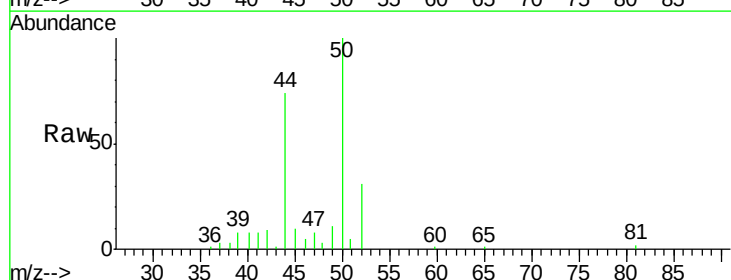
Manual Integrations
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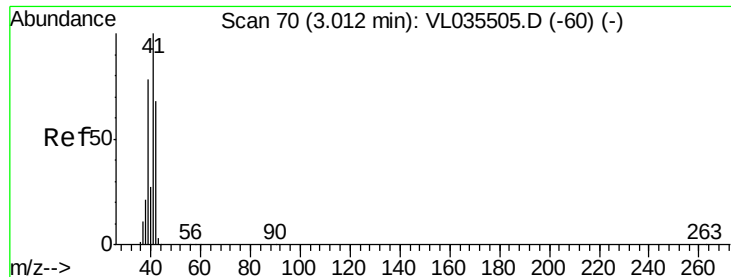
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#4
Chloromethane
Concen: 0.421 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.02 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion: 50 Resp: 28700
Ion Ratio Lower Upper
50 100
52 31.1 27.7 41.5





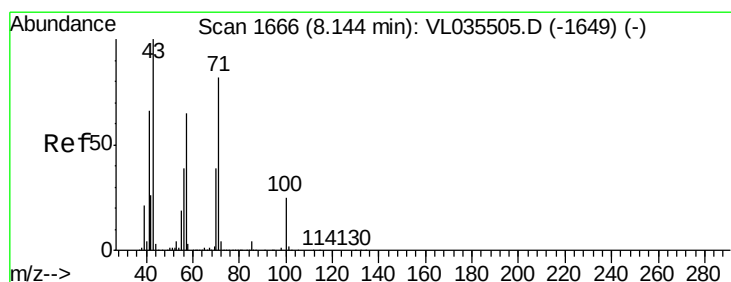
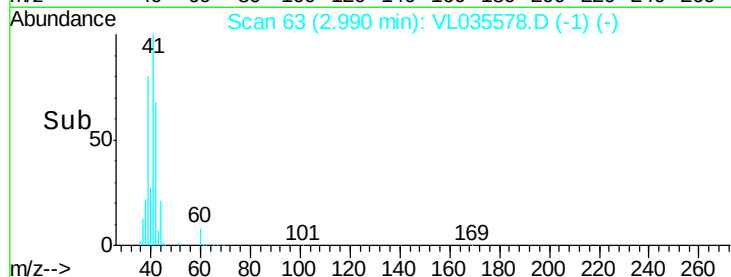
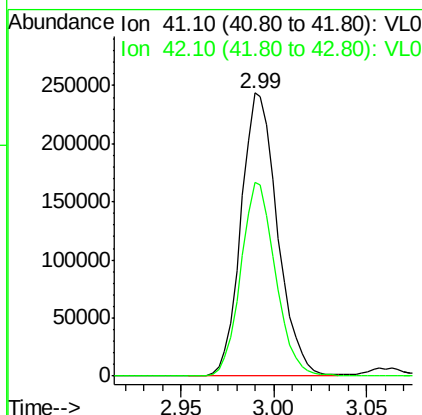
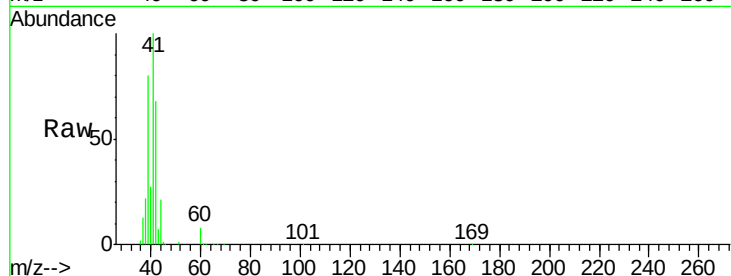
#9
 Propene
 Concen: 6.776 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. -0.02 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2

Tot Ion: 41 Resp: 332756
 Ion Ratio Lower Upper
 41 100
 42 65.0 56.3 84.5

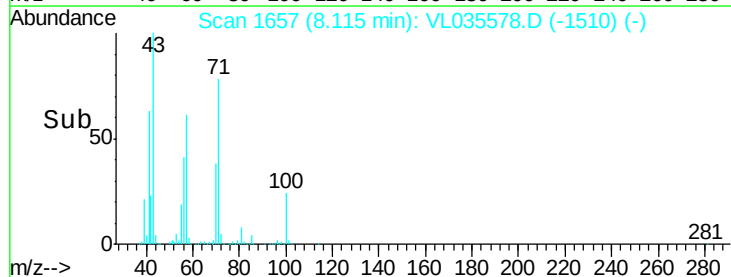
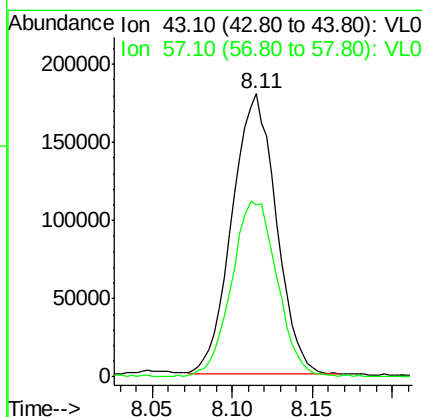
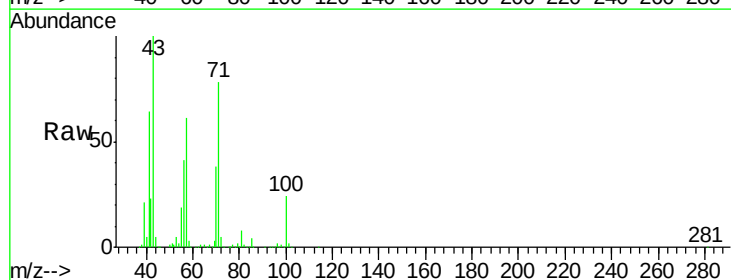
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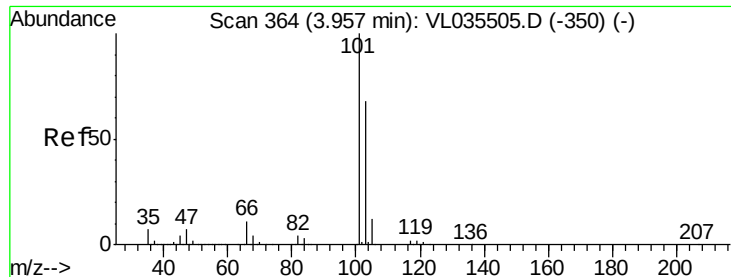
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#10
 Heptane
 Concen: 2.573 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. -0.03 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Tgt Ion: 43 Resp: 339392
 Ion Ratio Lower Upper
 43 100
 57 64.3 51.4 77.0





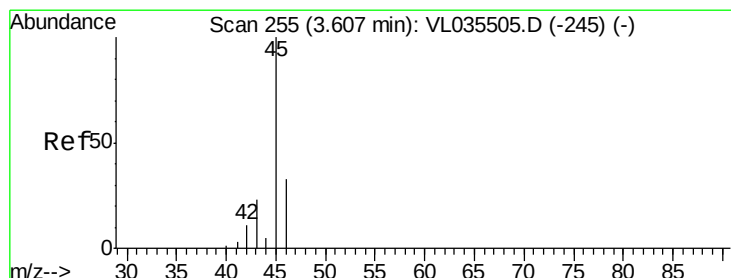
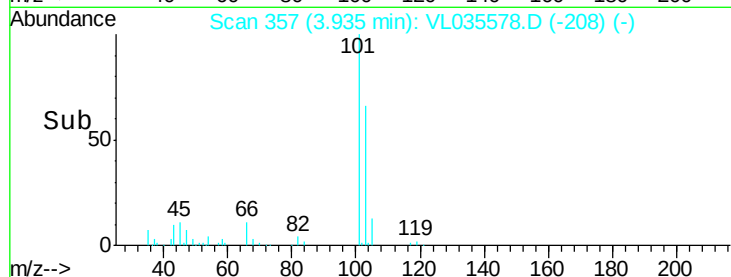
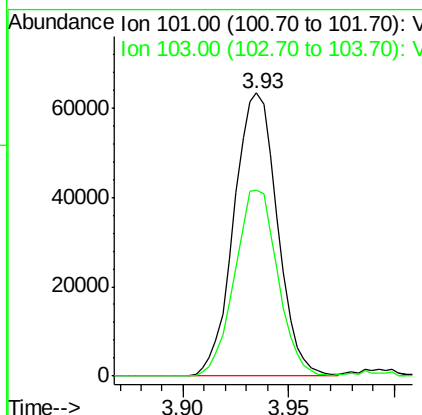
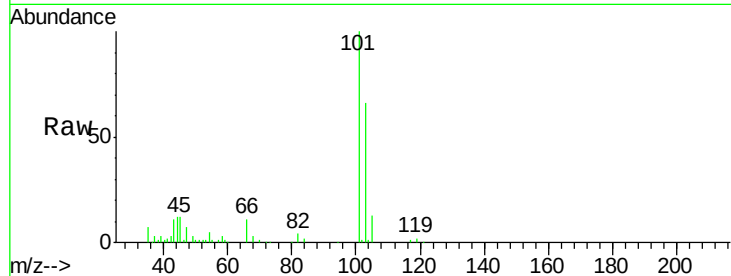
#11
 Trichlorofluoromethane
 Concen: 0.311 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.02 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2

Tot Ion	Ratio	Resp	Lower	Upper
101	100	90552		
103	65.6	54.5	81.7	

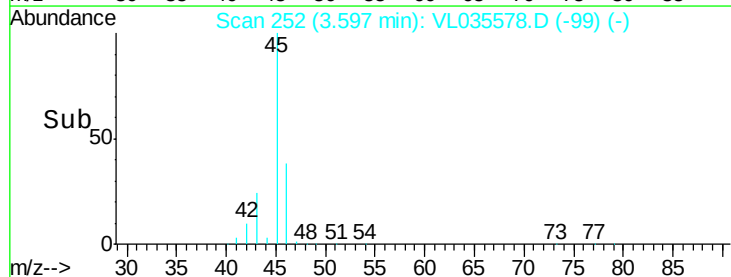
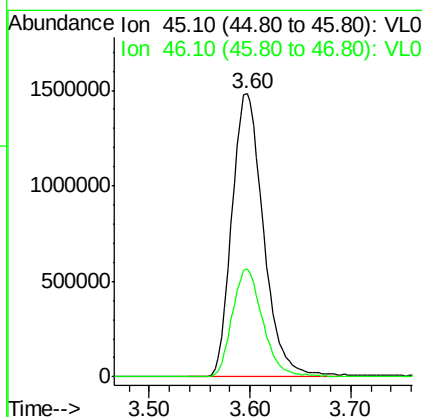
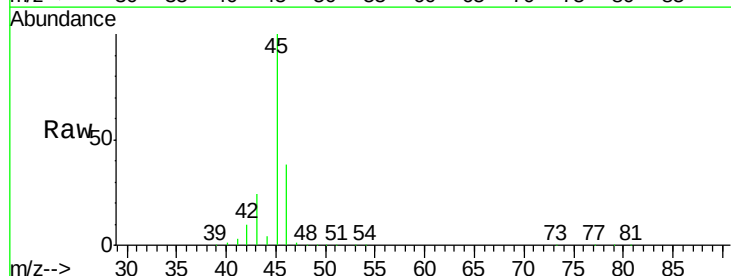
Manual Integrations
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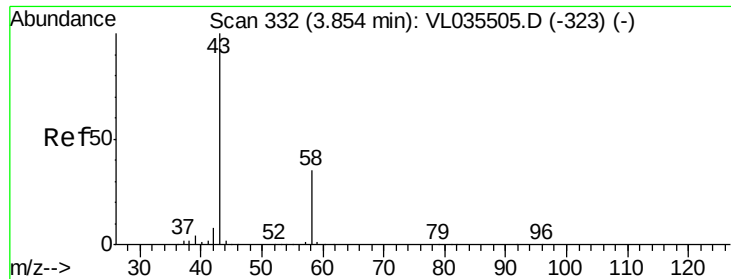
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#13
 Ethanol
 Concen: 265.324 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	3230345		
46	37.2	15.2	60.6	





#15

Acetone

Concen: 27.178 ppbv m

RT: 3.83 min Scan# 324

Delta R.T. -0.03 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampled :

SS-2

Tot Ion: 43 Resp: 3452162

Ion Ratio Lower Upper

43 100

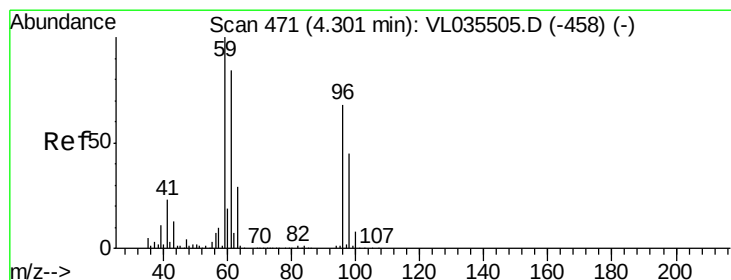
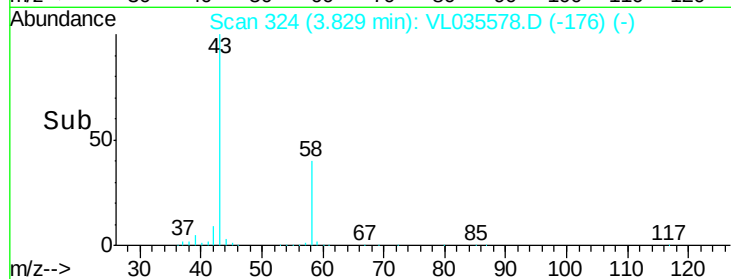
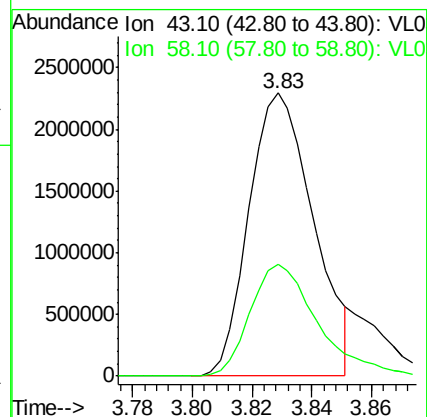
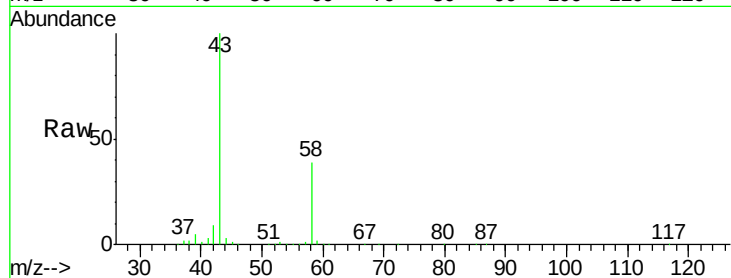
58 41.2 28.4 42.6

Manual Integrations

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#17

tert-Butyl alcohol

Concen: 0.665 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.01 min

Lab File: VL035578.D

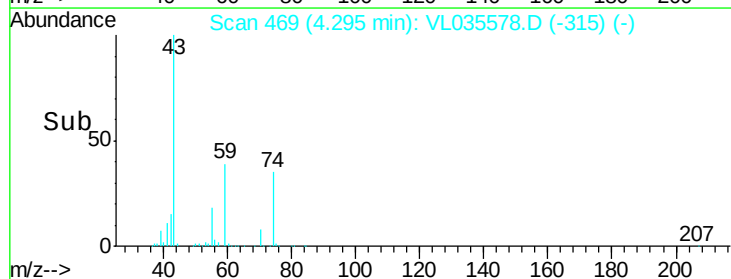
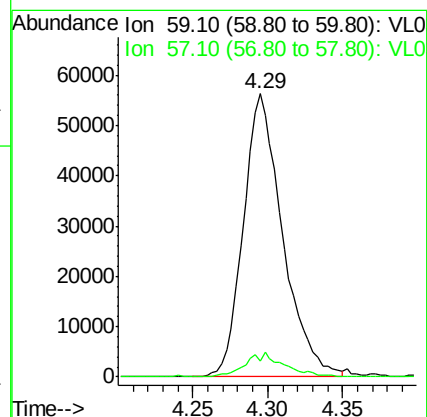
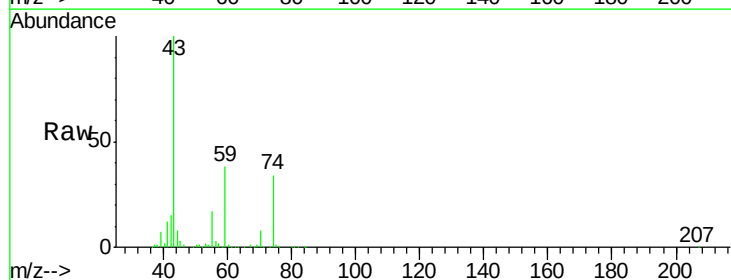
Acq: 9 Sep 2020 8:34

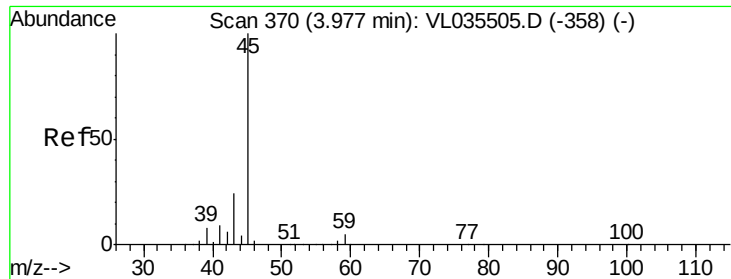
Tgt Ion: 59 Resp: 102849

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 8.554 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampled :

SS-2

Tot Ion: 45 Resp: 648158

Ion Ratio Lower Upper

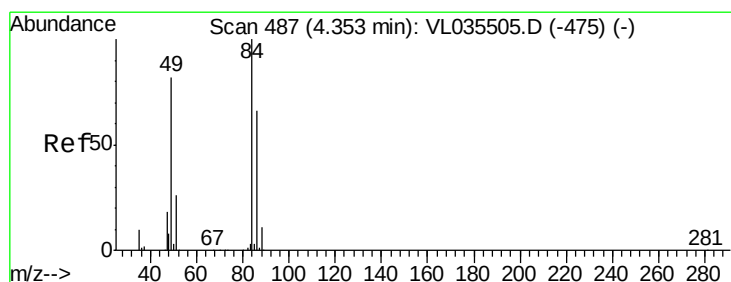
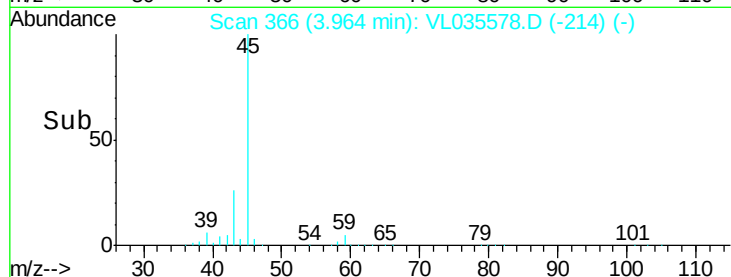
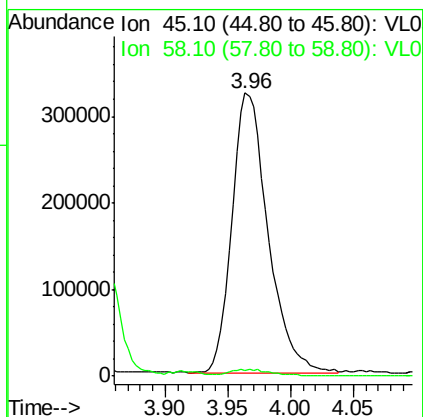
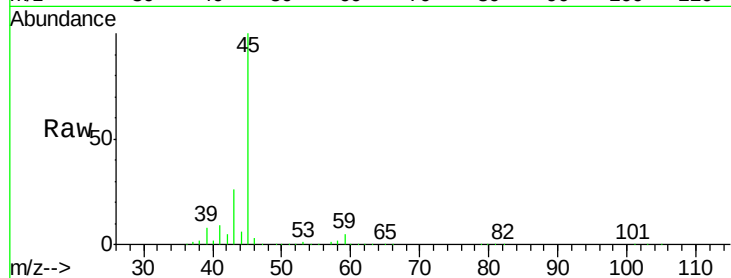
45 100

58 219.8 2.0 3.0#

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#20

Methylene Chloride

Concen: 2.087 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Tgt Ion: 84 Resp: 197395

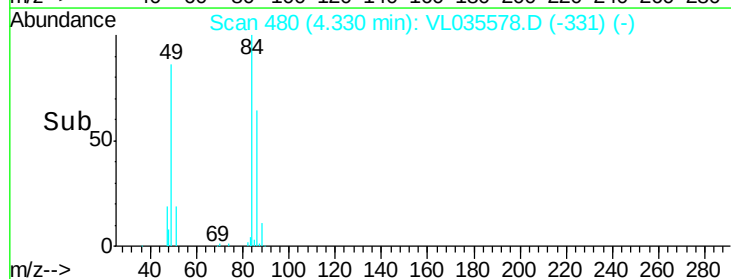
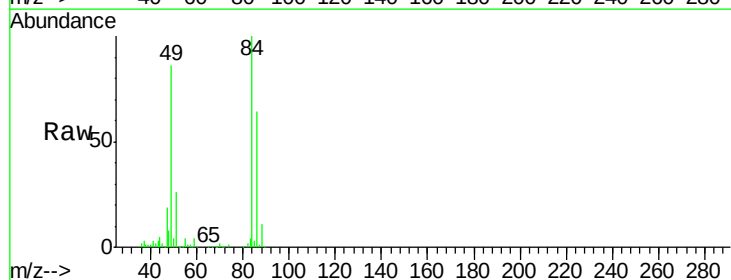
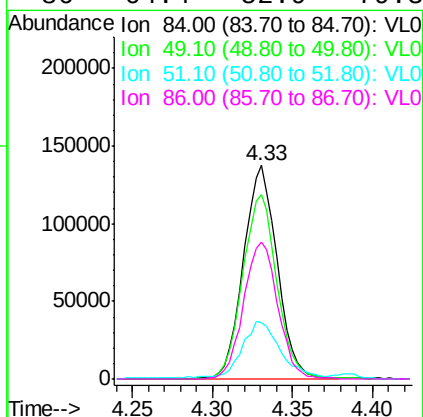
Ion Ratio Lower Upper

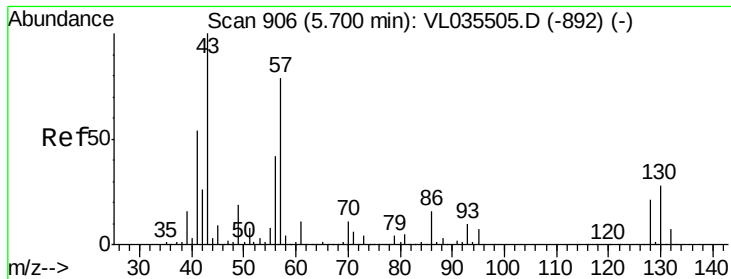
84 100

49 86.2 65.4 98.0

51 25.2 21.5 32.3

86 64.4 52.9 79.3





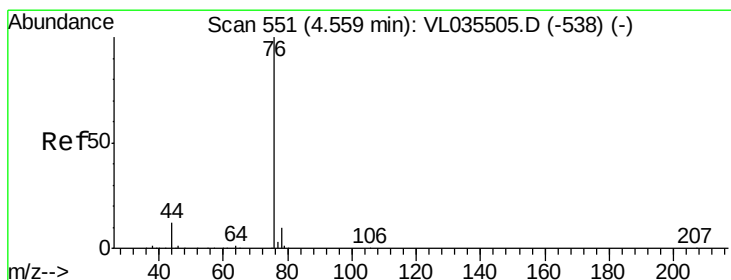
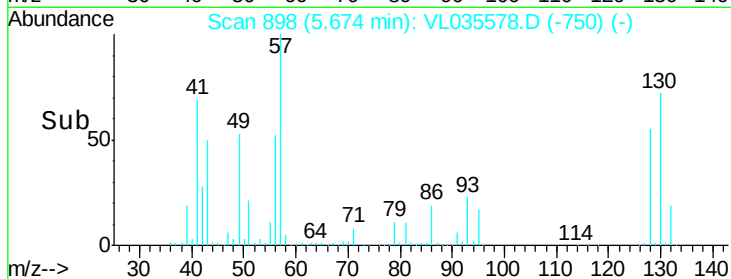
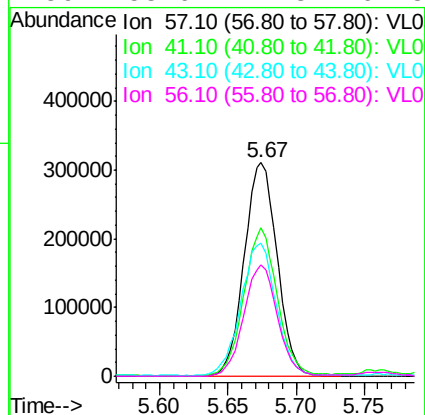
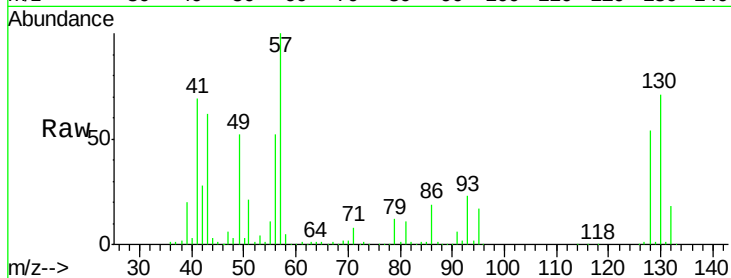
#26
Hexane
Concen: 4.096 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Instrument :
MSVOA_L
ClientSampled :
SS-2

Tot Ion	Ratio	Lower	Upper
57	100		
41	70.5	55.9	83.9
43	66.2	141.8	212.8#
56	53.6	41.8	62.8

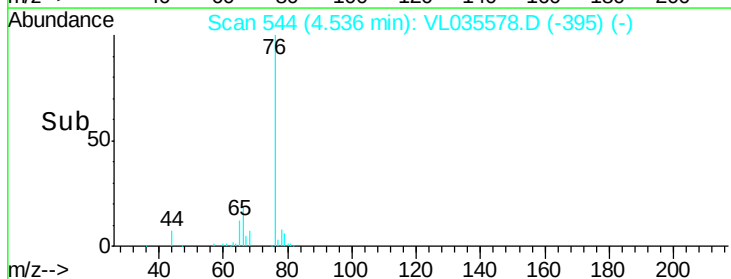
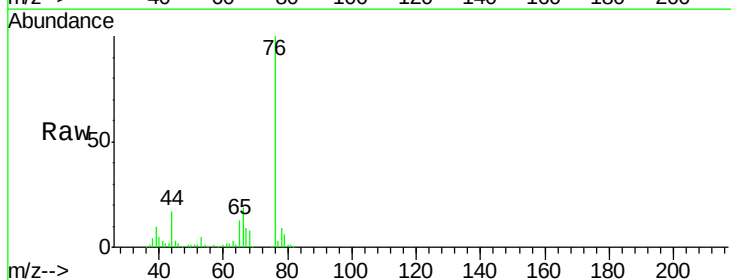
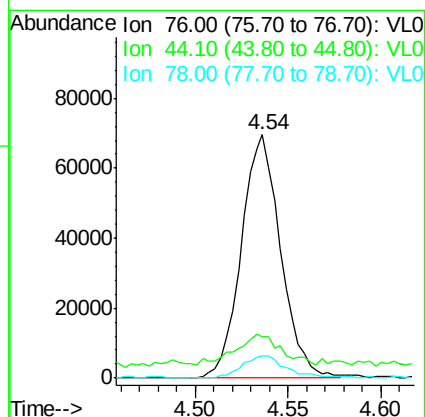
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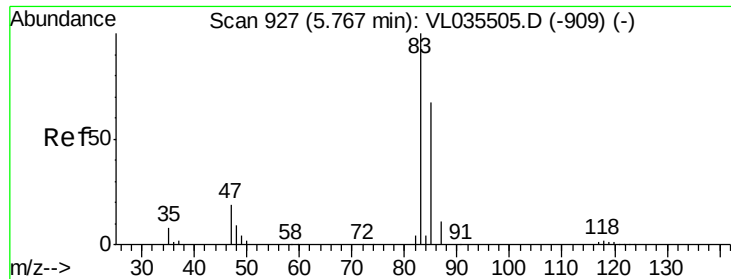
MMDadoda
9/10/2020 10:45:53 AM



#27
Carbon Disulfide
Concen: 0.560 ppbv
RT: 4.54 min Scan# 544
Delta R.T. -0.02 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion	Ratio	Lower	Upper
76	100		
44	21.9	9.3	13.9#
78	10.7	7.8	11.6





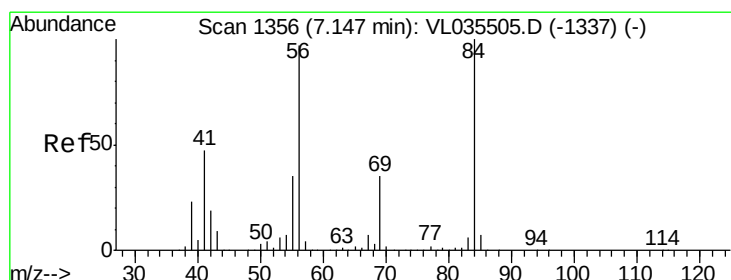
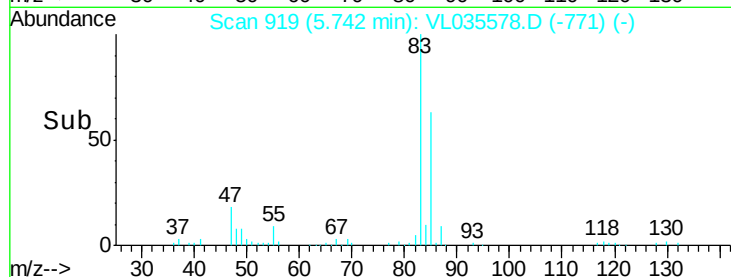
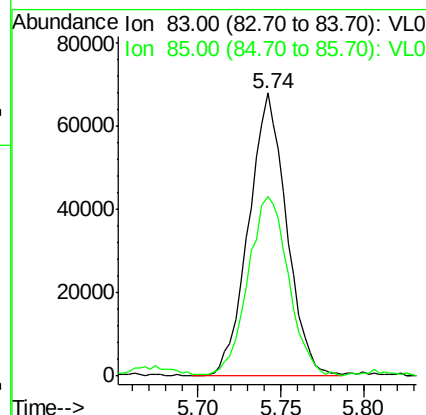
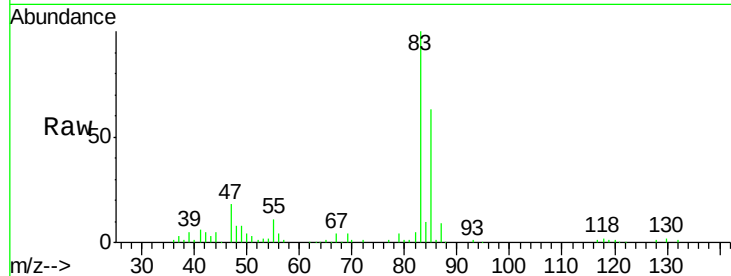
#29
Chloroform
Concen: 0.418 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.03 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Instrument :
MSVOA_L
ClientSampled :
SS-2

Tot Ion	83	Resp	108253
Ion Ratio	100	Lower	Upper
85	63.1	53.9	80.9

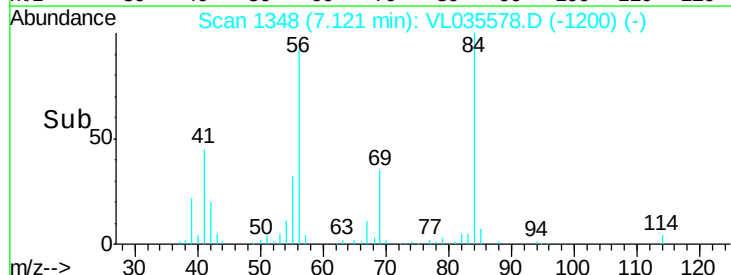
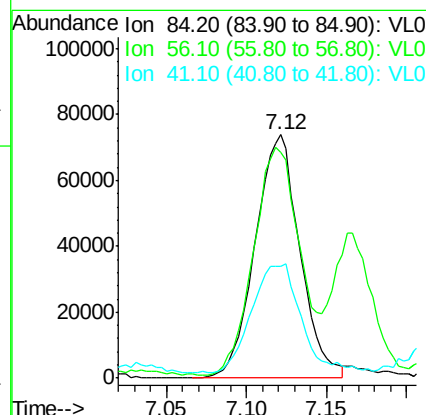
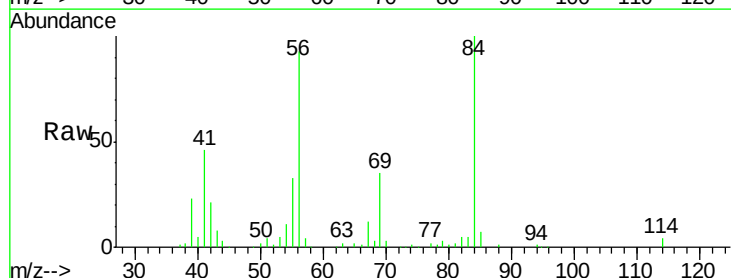
Manual Integrations
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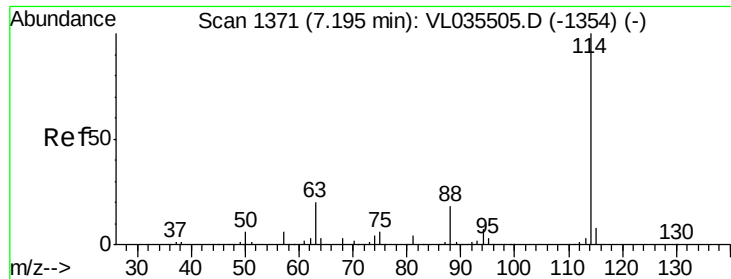
MMDadoda
9/10/2020 10:45:53 AM



#30
Cyclohexane
Concen: 1.042 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.03 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion	84	Resp	141923
Ion Ratio	100	Lower	Upper
56	94.6	80.1	120.1
41	49.6	38.1	57.1





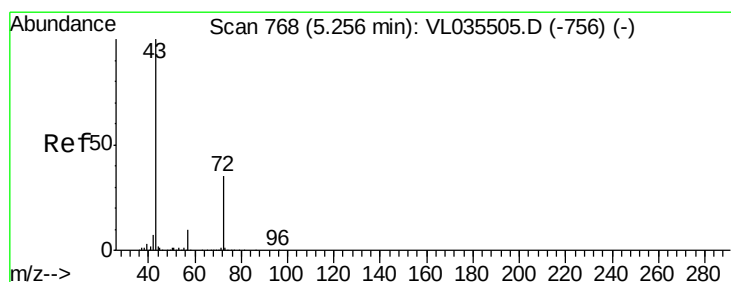
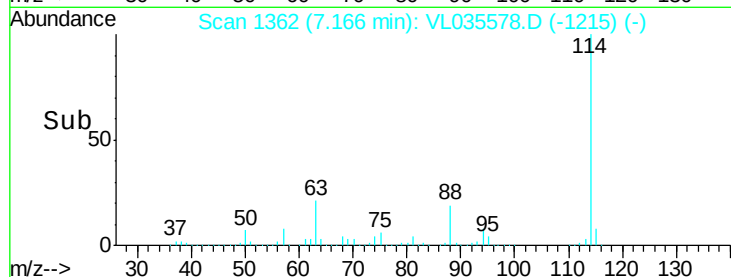
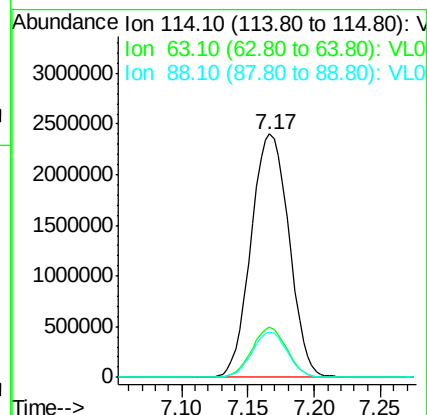
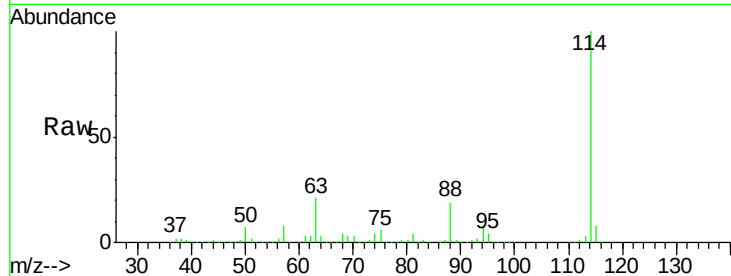
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.03 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Instrument :
 MSVOA_L
 ClientSampled :
 SS-2

Tot Ion:114 Resp: 4778738
 Ion Ratio Lower Upper
 114 100
 63 19.1 14.7 22.1
 88 17.3 13.4 20.2

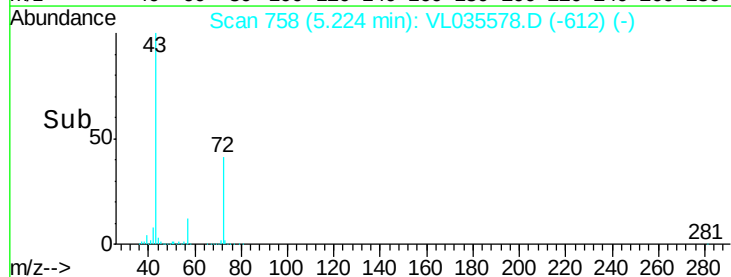
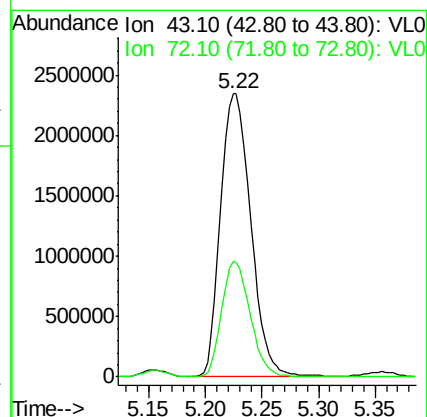
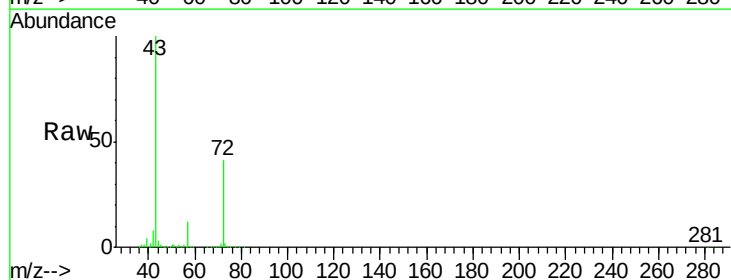
Manual Integrations
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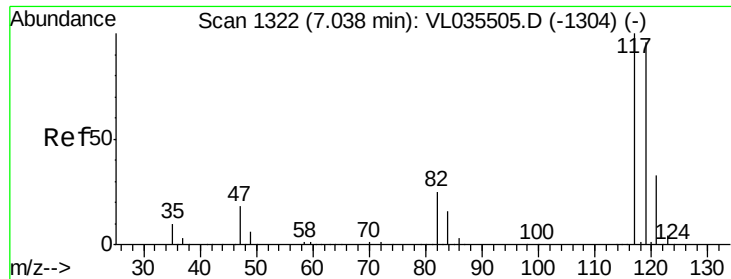
MMDadoda
 9/10/2020 10:45:53 AM



#34
 2-Butanone
 Concen: 30.806 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Tgt Ion: 43 Resp: 4368896
 Ion Ratio Lower Upper
 43 100
 72 38.3 27.7 41.5





#35

Carbon Tetrachloride

Concen: 0.057 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.03 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

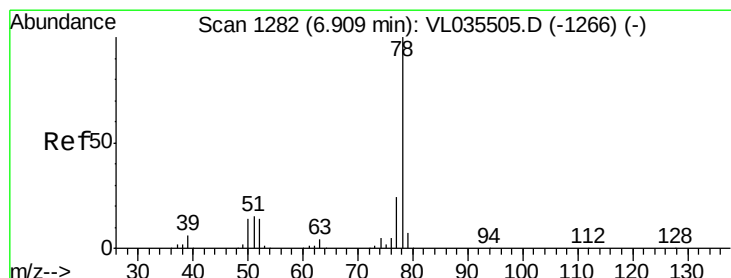
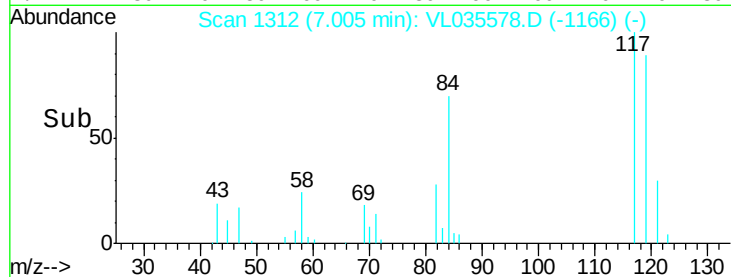
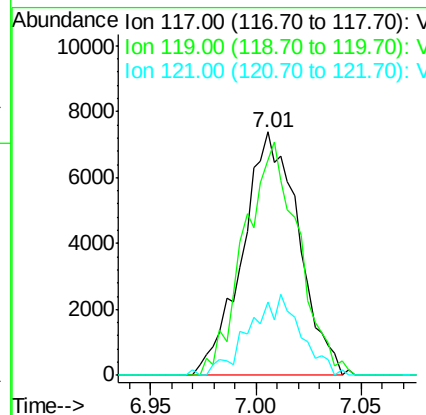
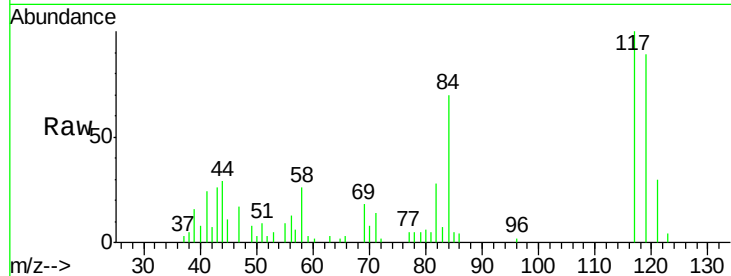
ClientSampled :

SS-2

Tot Ion:	117	Resp:	13653
Ion Ratio	Lower	Upper	
117	100		
119	88.5	77.2	115.8
121	28.1	26.1	39.1

Manual Integrations
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MMDadoda
9/10/2020 10:45:53 AM



#36

Benzene

Concen: 1.657 ppbv

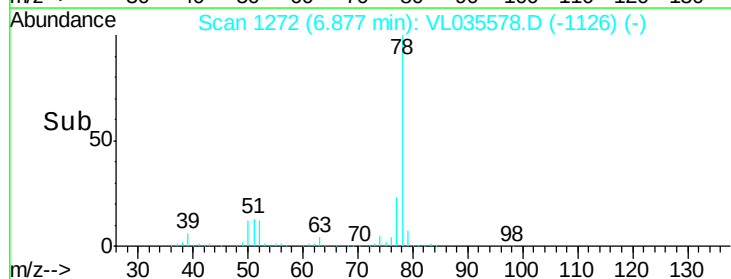
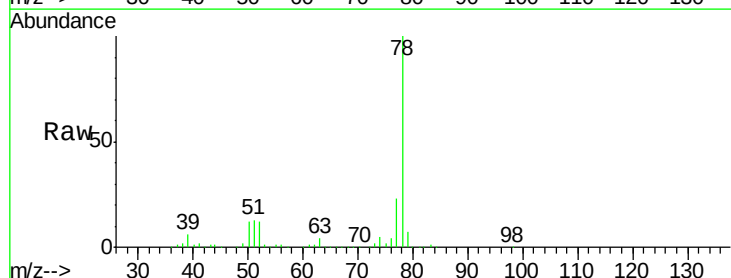
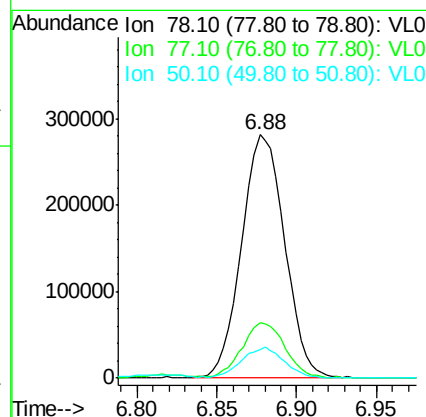
RT: 6.88 min Scan# 1272

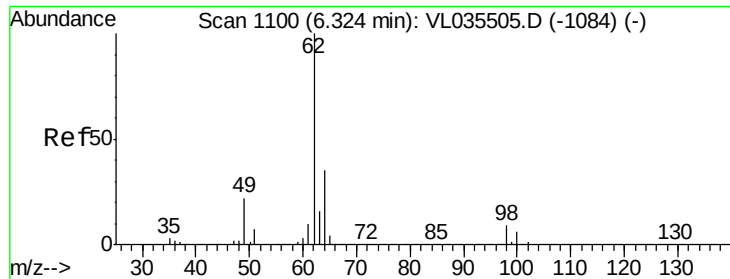
Delta R.T. -0.03 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Tgt Ion:	78	Resp:	512719
Ion Ratio	Lower	Upper	
78	100		
77	22.7	19.3	28.9
50	11.6	11.0	16.6





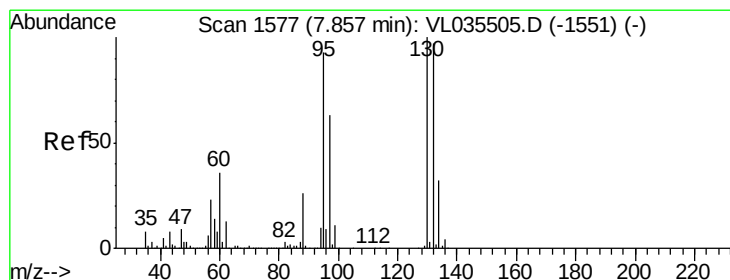
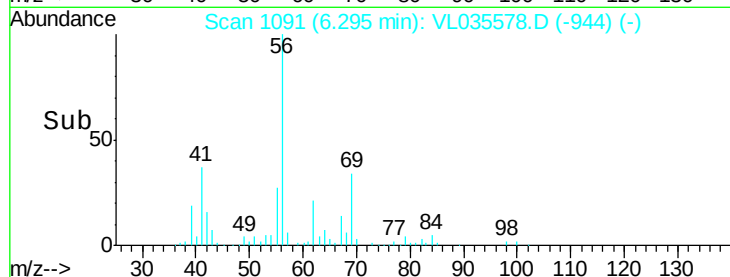
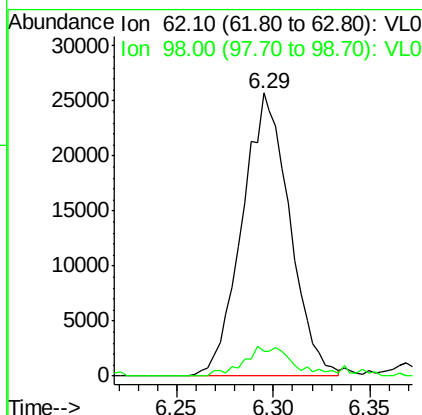
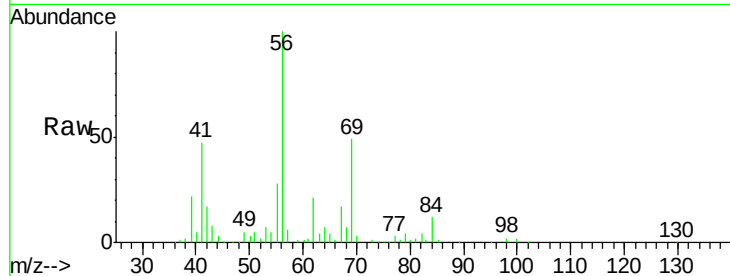
#37
 1,2-Dichloroethane
 Concen: 0.298 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.03 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Instrument :
 MSVOA_L
 ClientSampled :
 SS-2

Tot Ion	Ratio	Resp	Lower	Upper
62	100	43951		
98	12.0	7.4	11.0#	

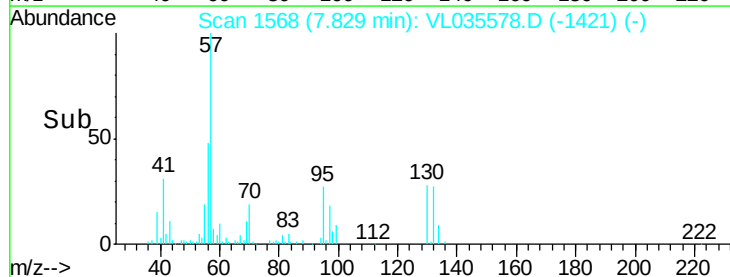
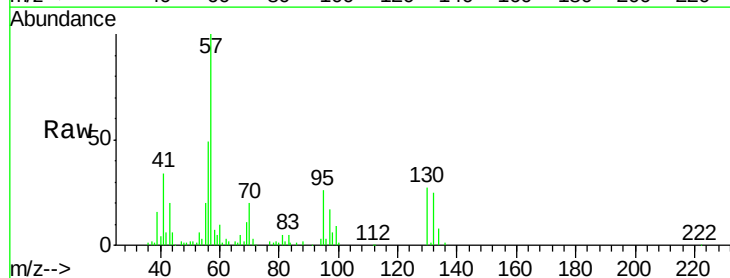
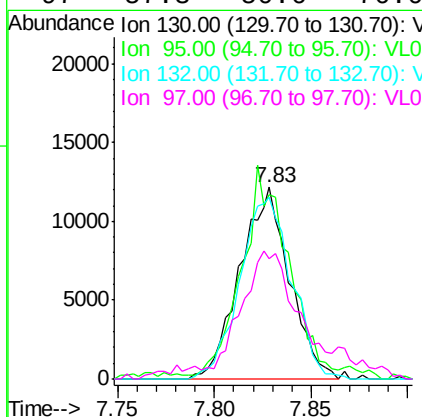
Manual Integrations
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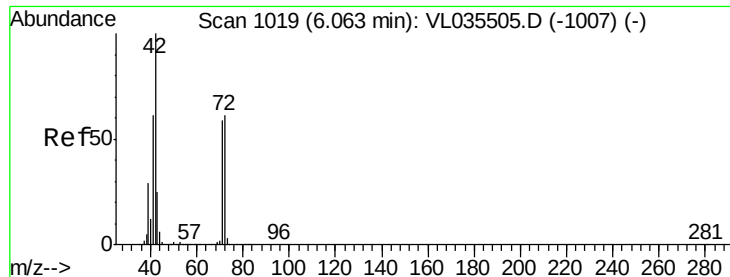
MMDadoda
 9/10/2020 10:45:53 AM



#38
 Trichloroethene
 Concen: 0.120 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.03 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	21605		
95	94.4	74.6	112.0	
132	94.8	77.6	116.4	
97	57.3	50.6	76.0	





#41

Tetrahydrofuran

Concen: 0.216 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

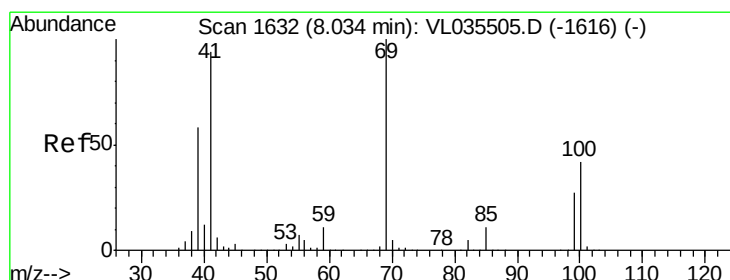
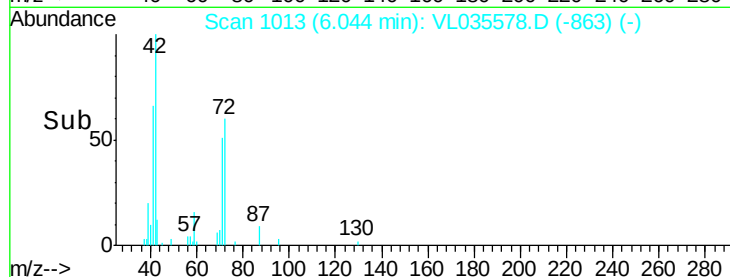
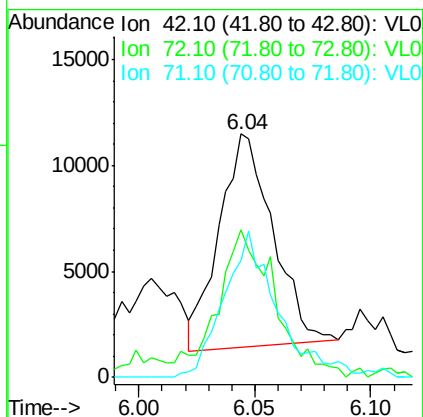
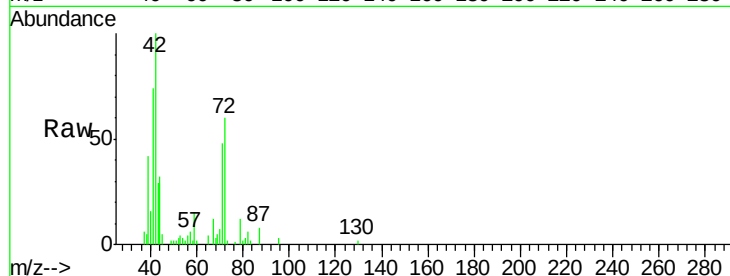
ClientSampled :

SS-2

Tot Ion:	42	Resp:	16281
Ion Ratio	Lower	Upper	
42	100		
72	85.9	48.6	73.0#
71	68.9	46.1	69.1

Manual Integrations
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MMDadoda
9/10/2020 10:45:53 AM



#43

Methyl Methacrylate

Concen: 1.084 ppbv

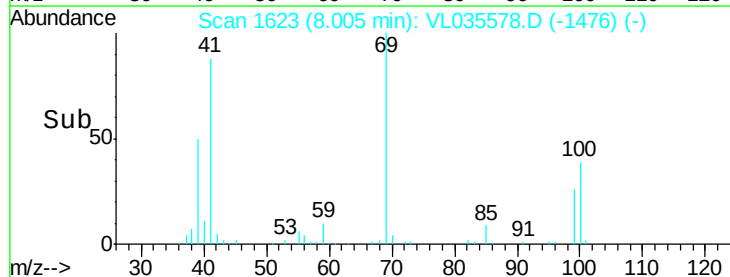
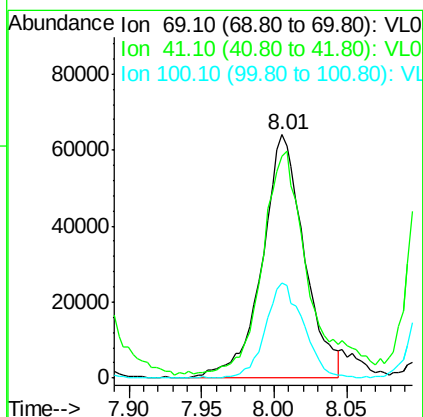
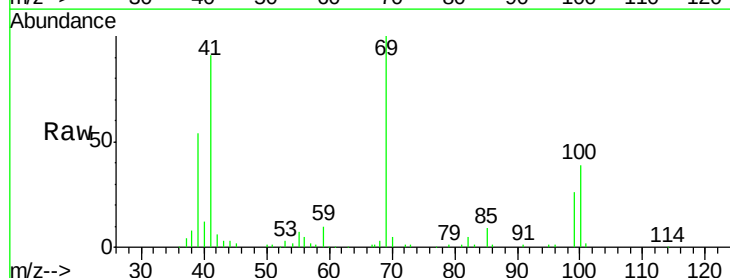
RT: 8.01 min Scan# 1623

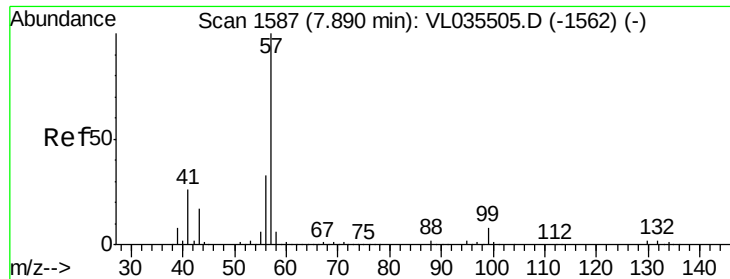
Delta R.T. -0.03 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Tgt Ion:	69	Resp:	129643
Ion Ratio	Lower	Upper	
69	100		
41	101.0	76.6	114.8
100	35.6	33.8	50.6





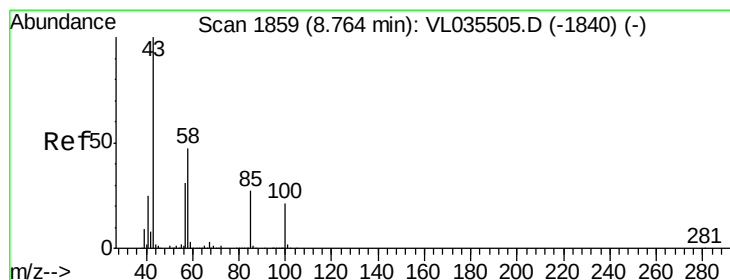
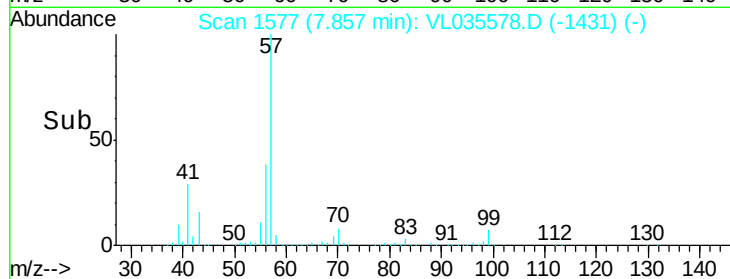
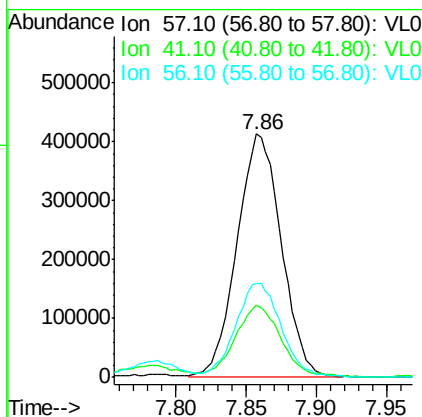
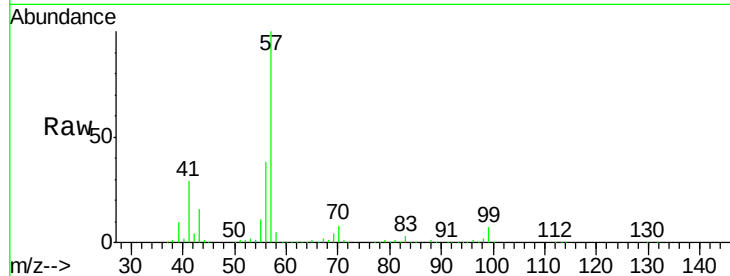
#44
 2,2,4-Trimethylpentane
 Concen: 2.217 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.03 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Instrument :
 MSVOA_L
 ClientSampled :
 SS-2

Tot Ion	Ratio	Lower	Upper
57	100		
41	31.0	20.5	30.7#
56	40.5	25.3	37.9#

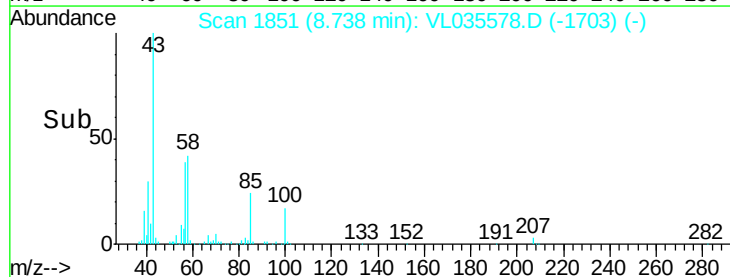
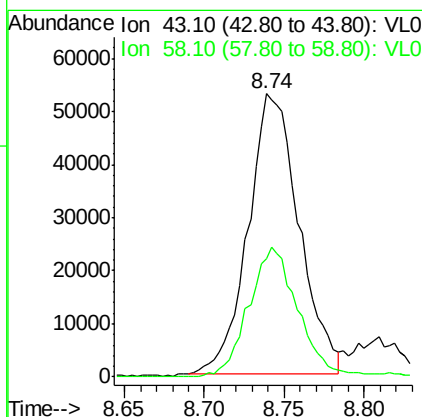
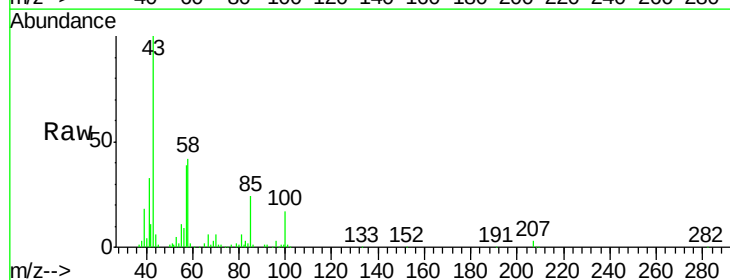
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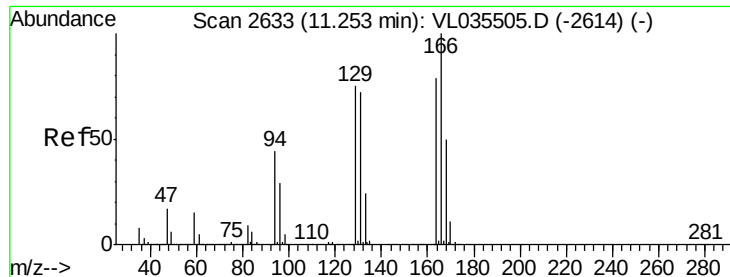
MMDadoda
 9/10/2020 10:45:53 AM



#50
 4-Methyl-2-Pentanone
 Concen: 0.561 ppbv
 RT: 8.74 min Scan# 1851
 Delta R.T. -0.03 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.6	37.4	56.0





#52

Tetrachloroethene

Concen: 1.308 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

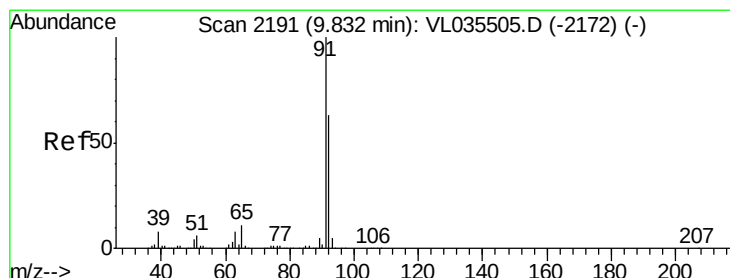
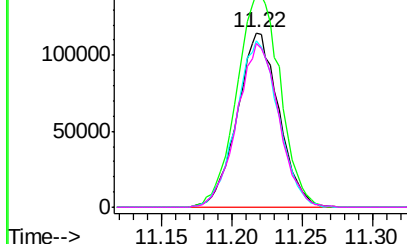
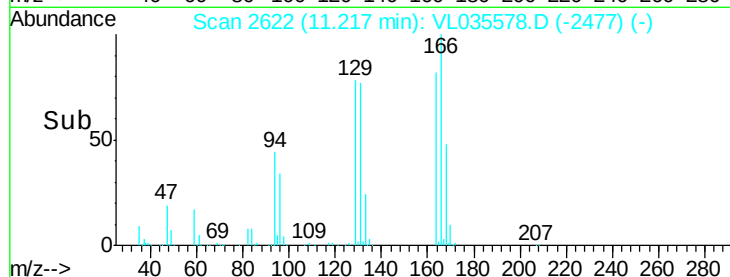
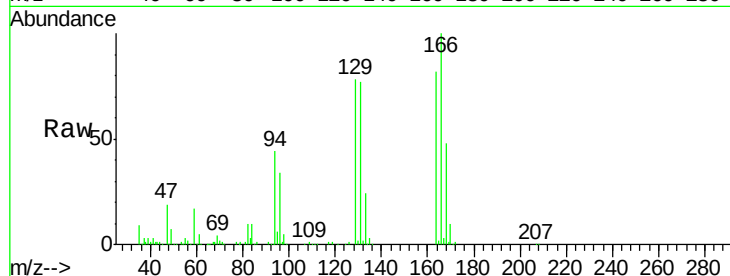
ClientSampled :

SS-2

Tot Ion:	164	Resp:	236377
Ion Ratio	Lower	Upper	
164	100		
166	122.1	100.9	151.3
129	94.7	75.3	112.9
131	94.0	73.0	109.4

Manual Integrations
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MMDadoda
9/10/2020 10:45:53 AM



#53

Toluene

Concen: 7.896 ppbv

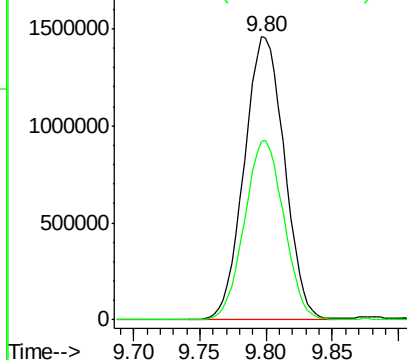
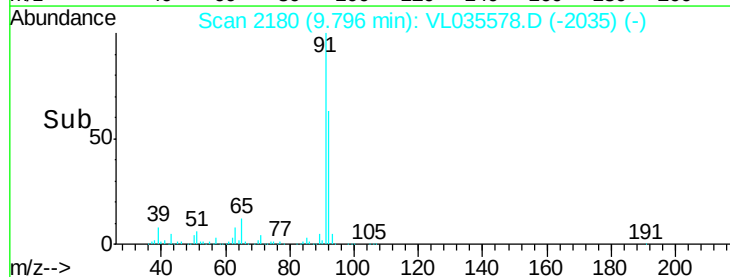
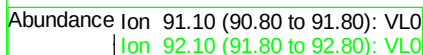
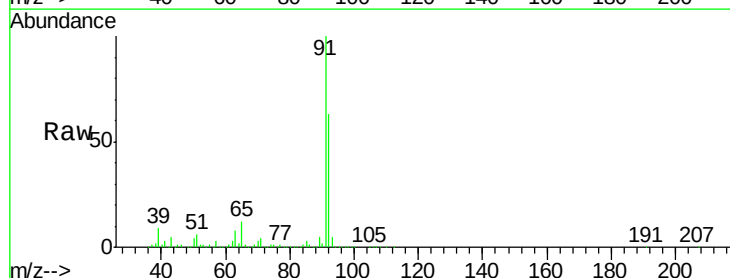
RT: 9.80 min Scan# 2180

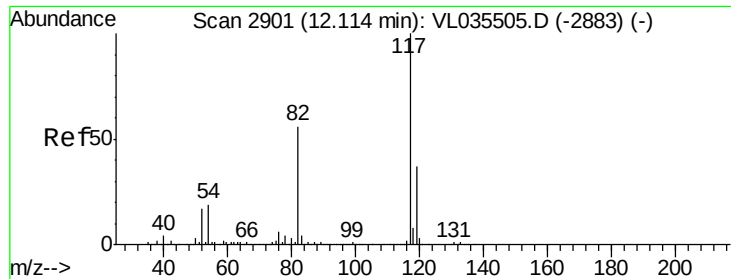
Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Tgt Ion:	91	Resp:	3071415
Ion Ratio	Lower	Upper	
91	100		
92	62.2	49.8	74.8





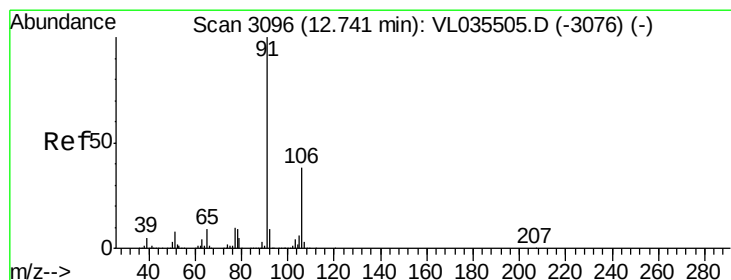
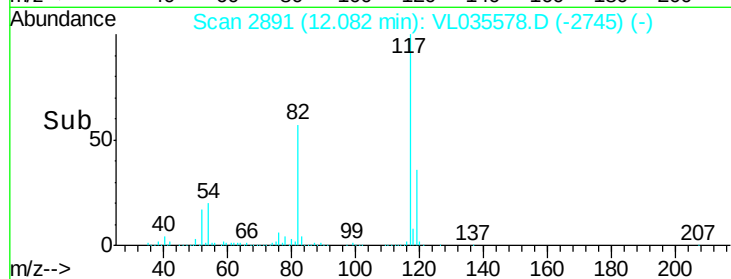
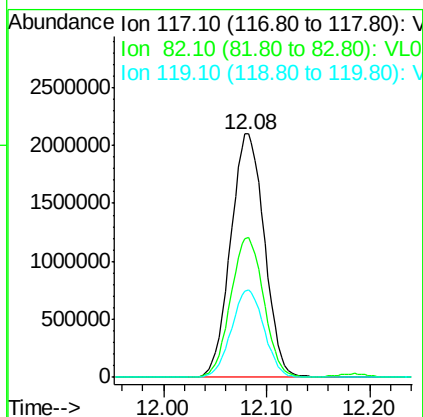
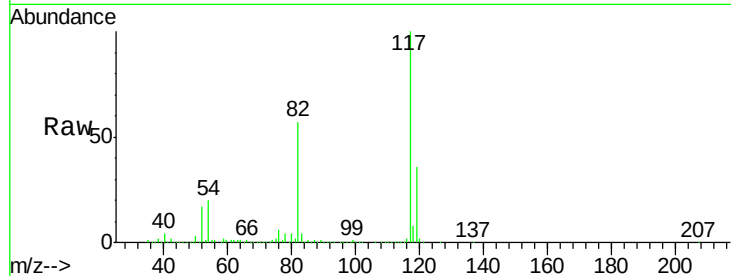
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.03 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Instrument :
MSVOA_L
ClientSampled :
SS-2

Tot Ion:117 Resp: 4785074
Ion Ratio Lower Upper
117 100
82 56.4 41.6 62.4
119 34.9 29.3 43.9

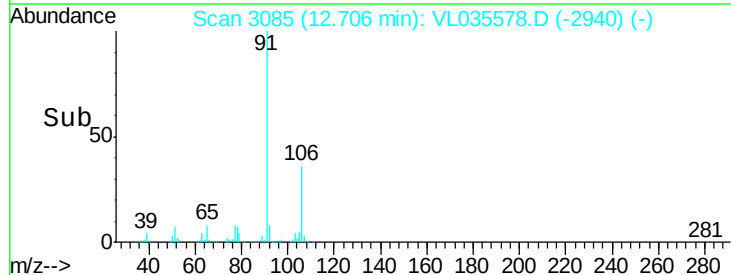
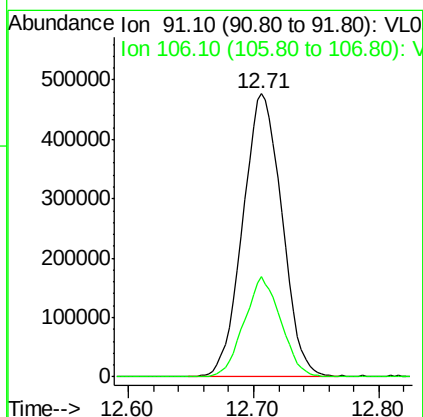
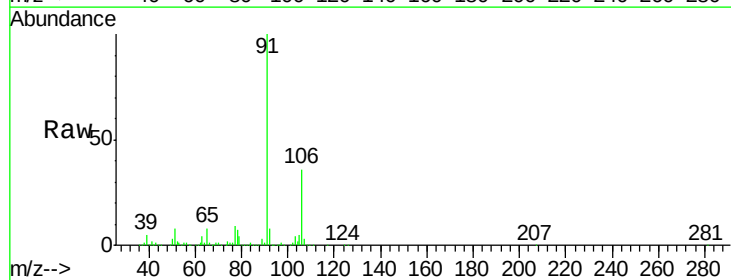
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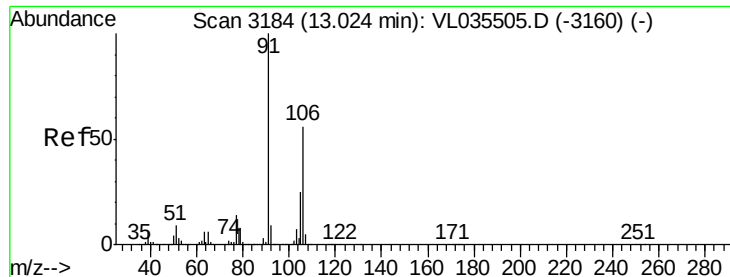
MMDadoda
9/10/2020 10:45:53 AM



#58
Ethyl Benzene
Concen: 2.089 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. -0.04 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion: 91 Resp: 1030880
Ion Ratio Lower Upper
91 100
106 35.7 30.3 45.5





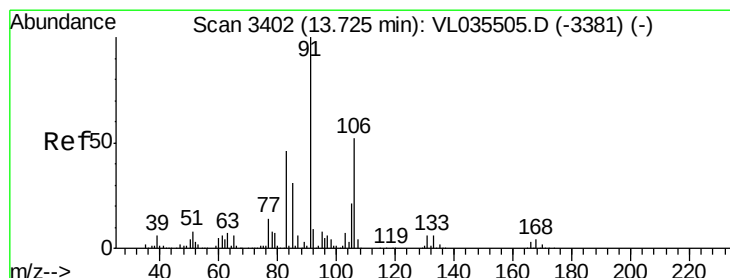
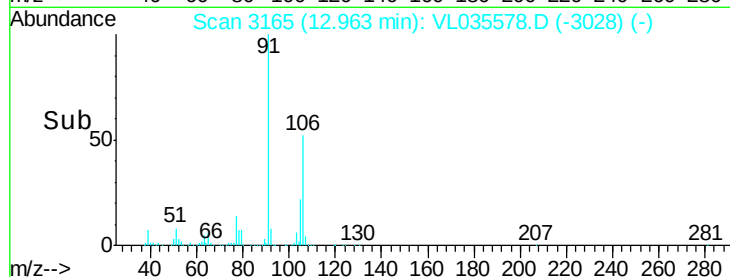
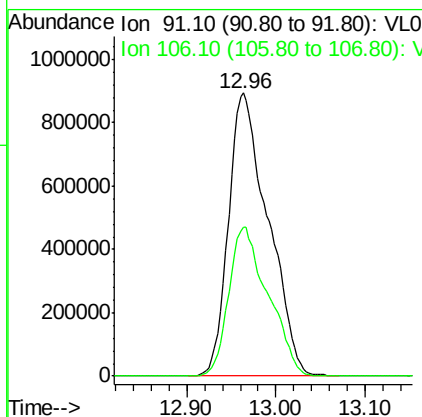
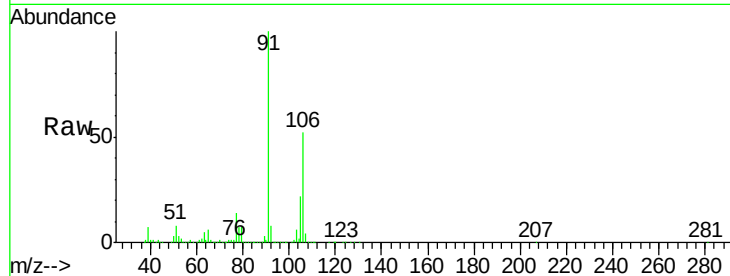
#59
m/p-Xylene
Concen: 6.672 ppbv
RT: 12.96 min Scan# 3165
Delta R.T. -0.06 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Instrument :
MSVOA_L
ClientSampled :
SS-2

Tot Ion: 91 Resp: 2750806
Ion Ratio Lower Upper
91 100
106 52.5 43.4 65.2

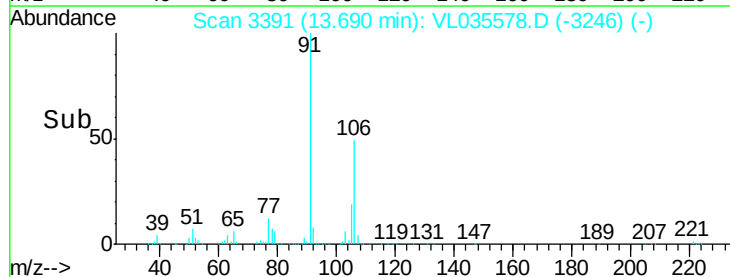
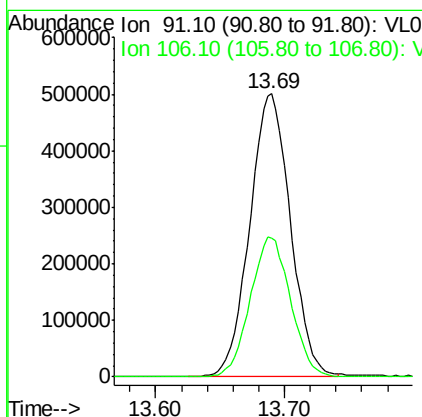
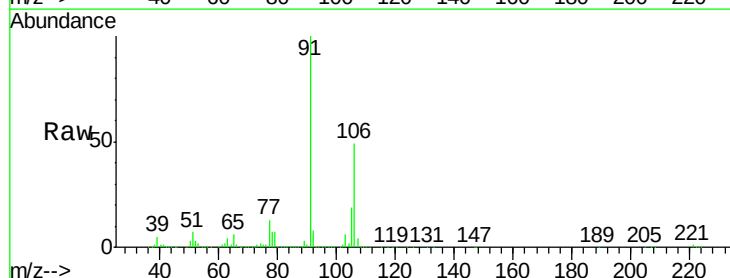
Manual Integrations
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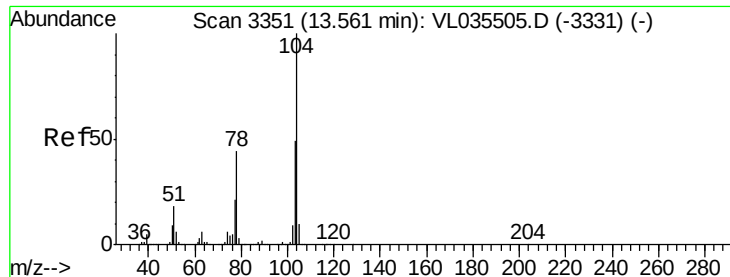
MMDadoda
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#60
o-Xylene
Concen: 2.633 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.04 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion: 91 Resp: 1093578
Ion Ratio Lower Upper
91 100
106 49.6 25.8 77.4





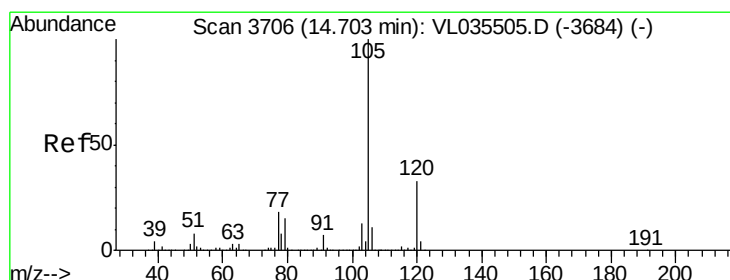
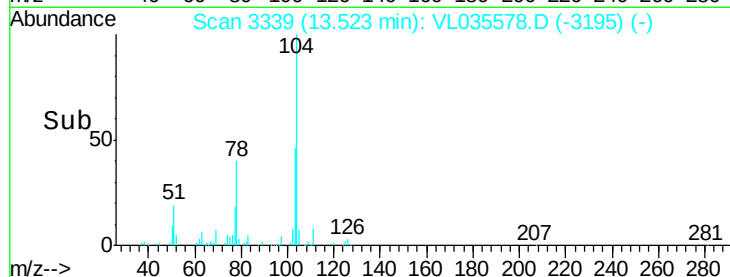
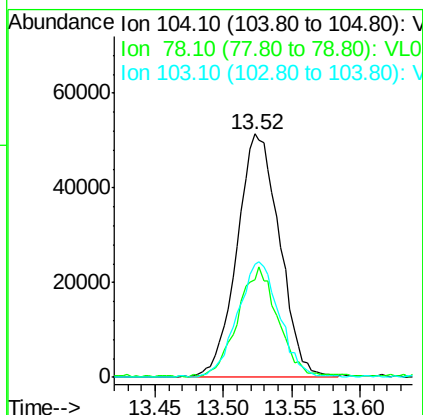
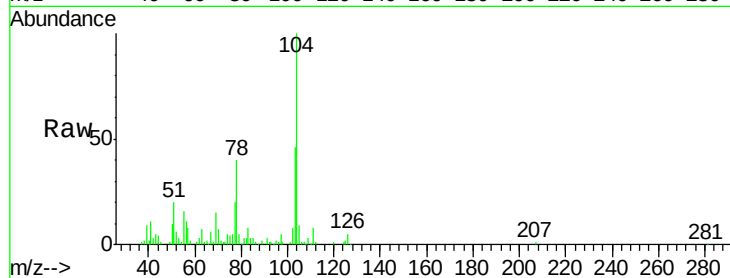
#61
Stvrene
Concen: 0.351 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. -0.04 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Instrument :
MSVOA_L
ClientSampled :
SS-2

Tot Ion	Ratio	Lower	Upper
104	100		
78	42.7	34.8	52.2
103	46.8	38.2	57.4

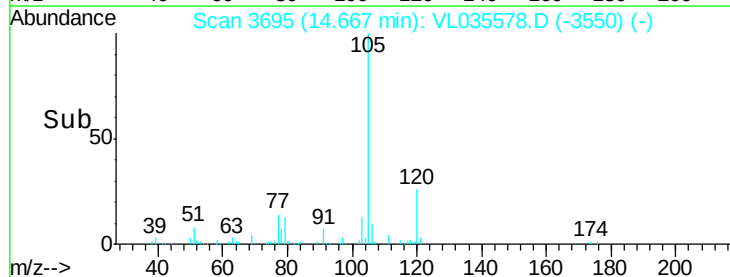
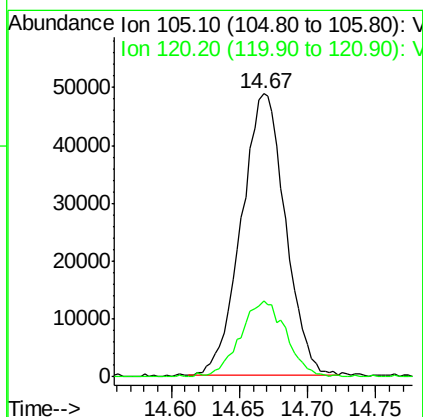
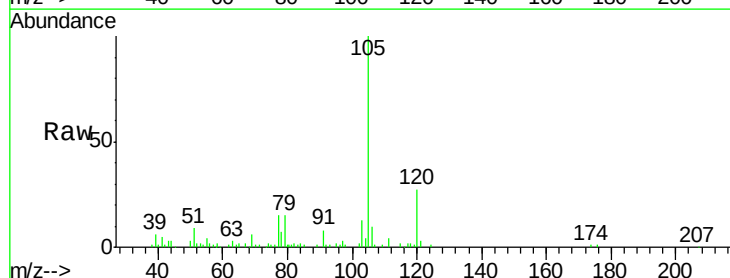
Manual Integrations
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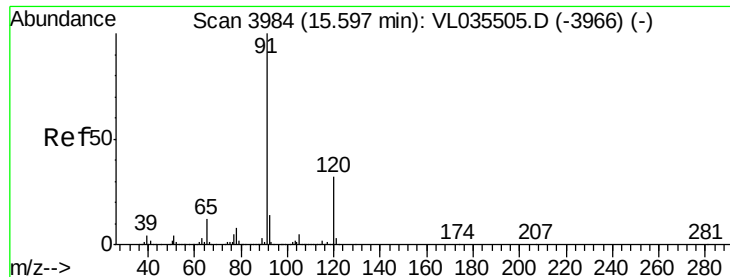
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#62
Isopropylbenzene
Concen: 0.164 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.04 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.2	25.0	37.4





#64

n-propylbenzene

Concen: 0.540 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampled :

SS-2

Tot Ion:120 Resp: 110009

Ion Ratio Lower Upper

120 100

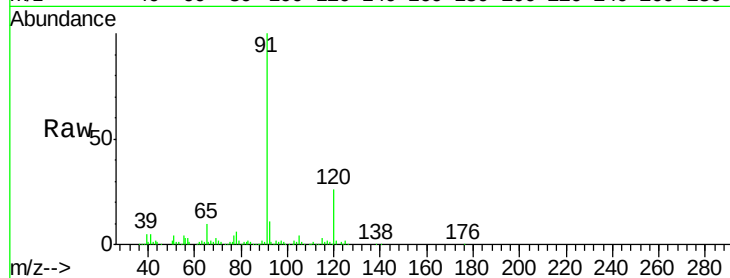
91 415.6 279.4 419.0

Manual Integrations

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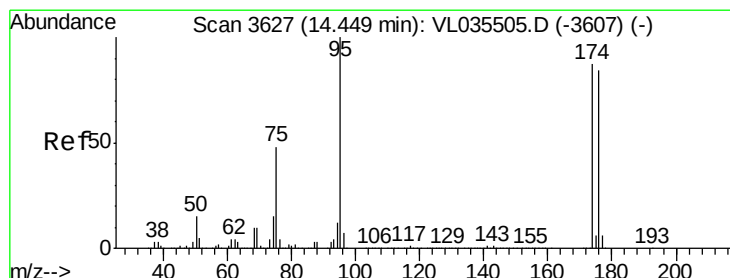
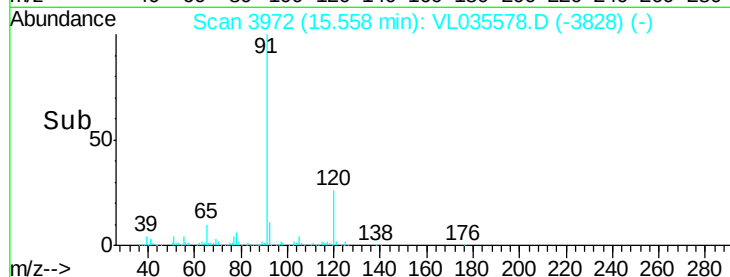
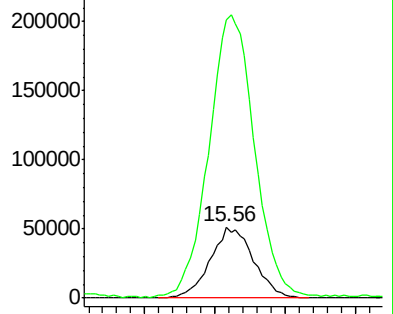
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Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.632 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

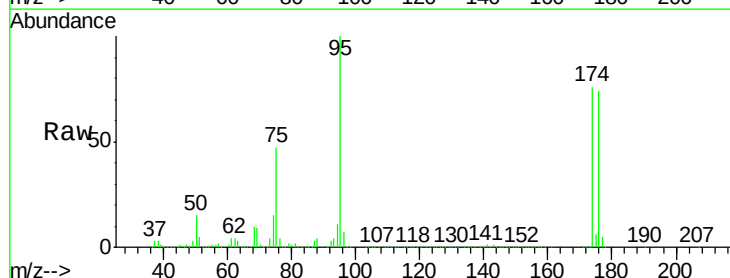
Tgt Ion: 95 Resp: 3612722

Ion Ratio Lower Upper

95 100

174 77.4 69.6 104.4

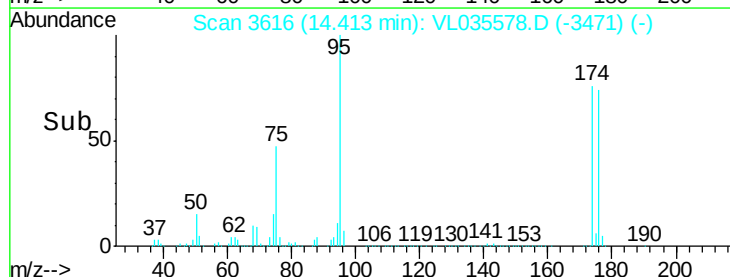
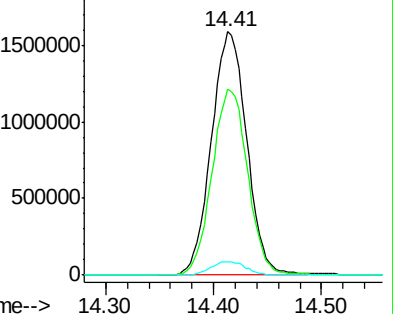
175 5.6 5.1 7.7

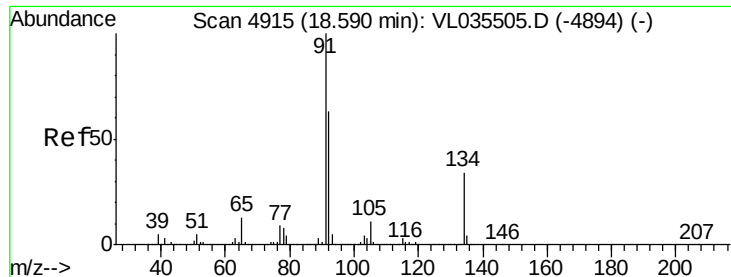


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





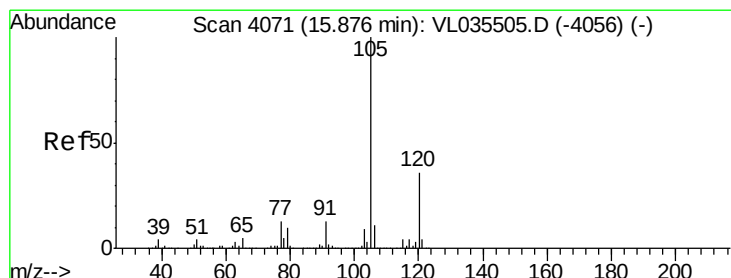
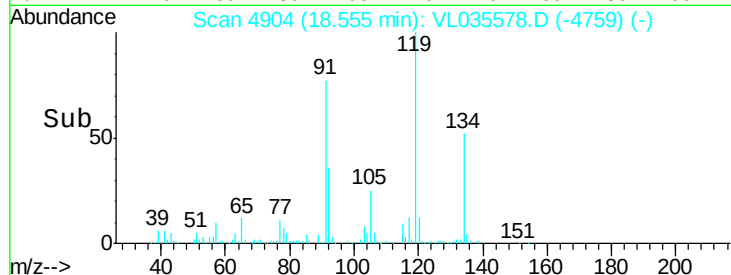
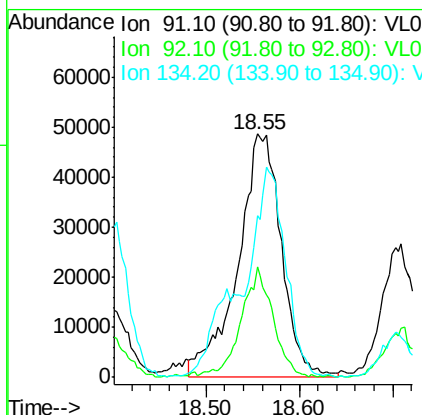
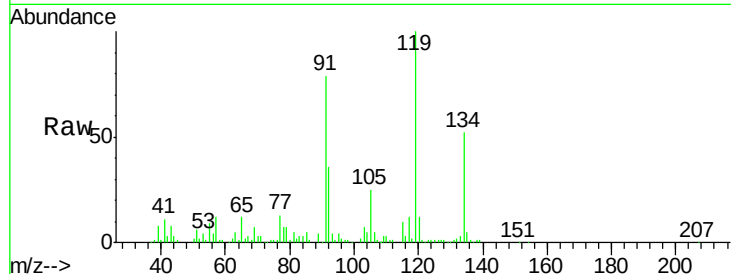
#70
n-Butylbenzene
Concen: 0.226 ppbv m
RT: 18.55 min Scan# 4904
Delta R.T. -0.04 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Instrument :
MSVOA_L
ClientSampled :
SS-2

Tot Ion	Ratio	Resp	Lower	Upper
91	100	157497		
92	34.2	47.3	70.9#	
134	0.0	24.6	37.0#	

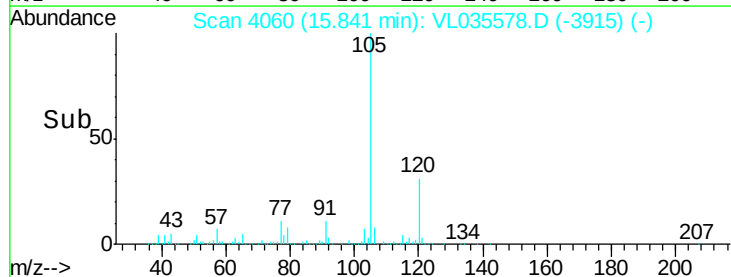
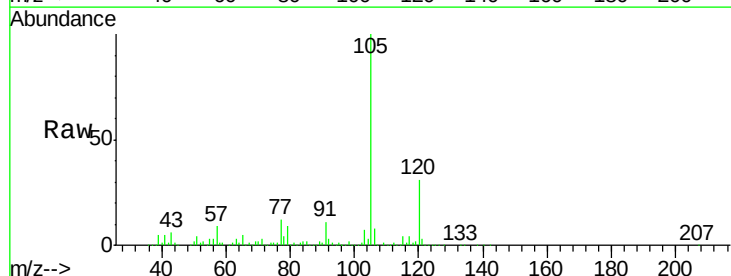
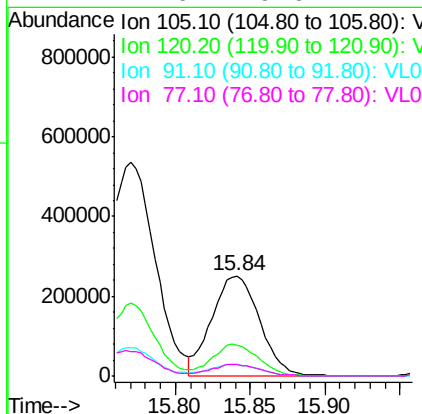
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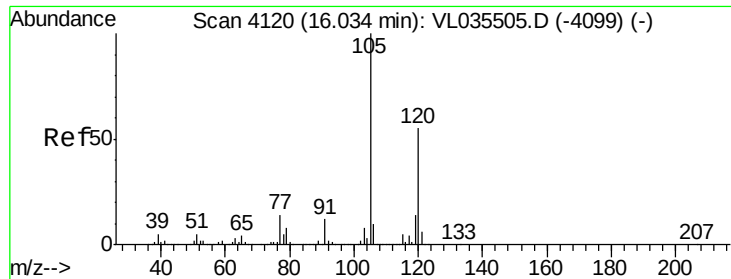
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#72
4-Ethyltoluene
Concen: 1.051 ppbv
RT: 15.84 min Scan# 4060
Delta R.T. -0.04 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	555037		
120	31.2	27.4	41.2	
91	12.1	9.7	14.5	
77	11.6	9.6	14.4	





#73

1,3,5-Trimethylbenzene

Concen: 1.043 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampled :

SS-2

Tot Ion:105 Resp: 509074

Ion Ratio Lower Upper

105 100

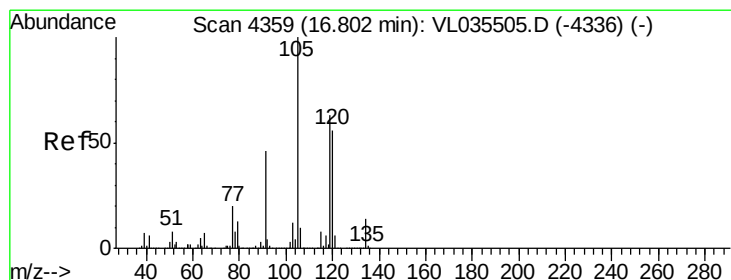
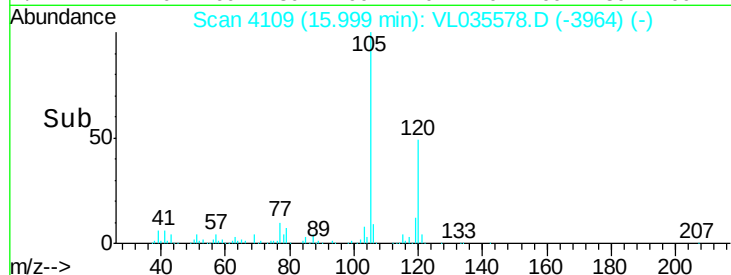
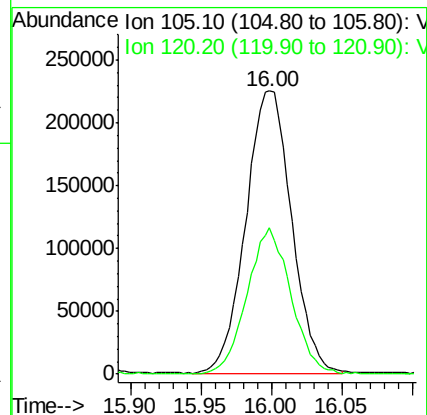
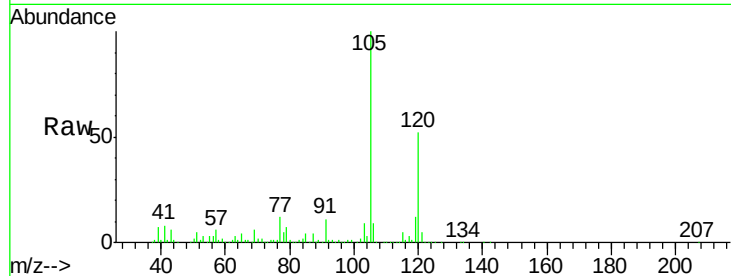
120 51.4 44.2 66.2

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#74

1,2,4-Trimethylbenzene

Concen: 3.128 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Tgt Ion:105 Resp: 1677343

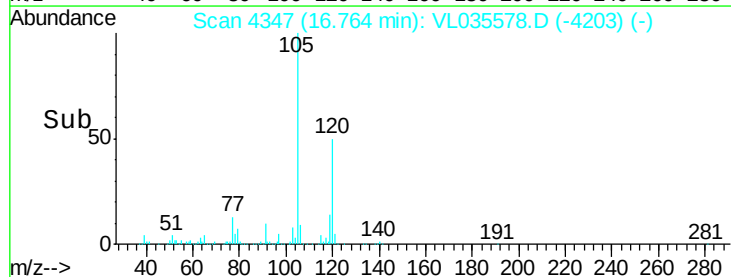
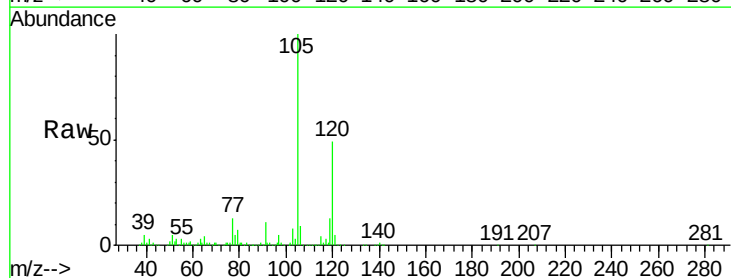
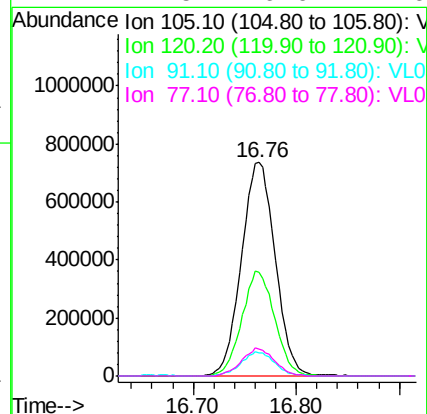
Ion Ratio Lower Upper

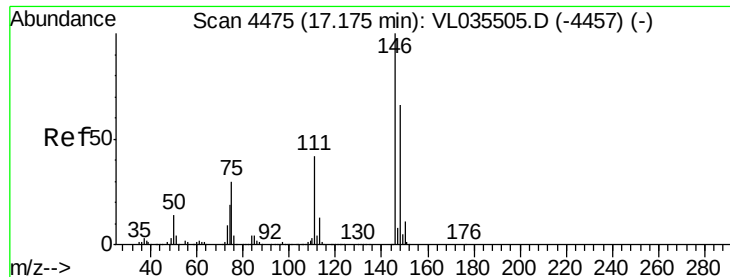
105 100

120 48.6 44.4 66.6

91 10.4 37.1 55.7#

77 12.5 16.0 24.0#





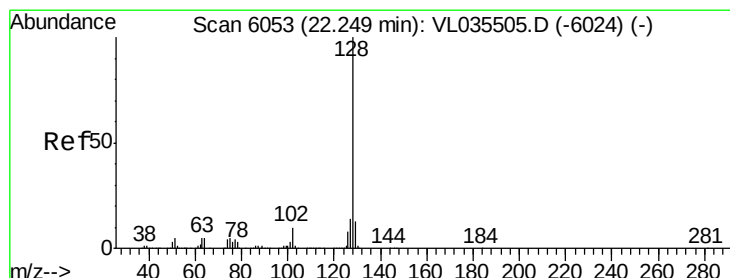
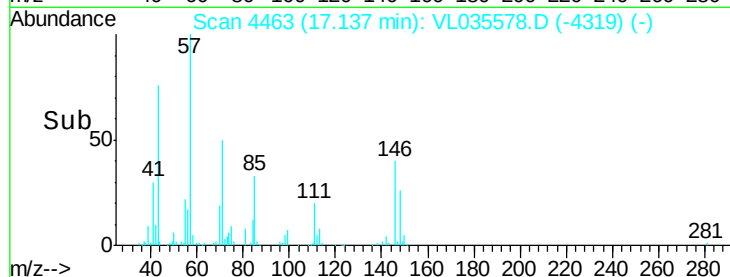
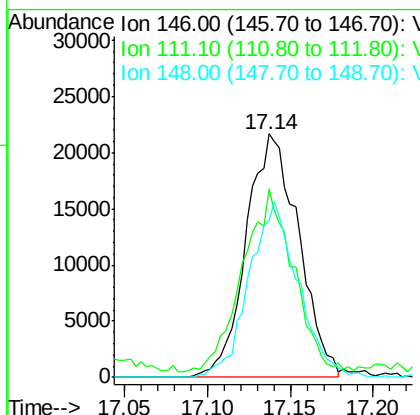
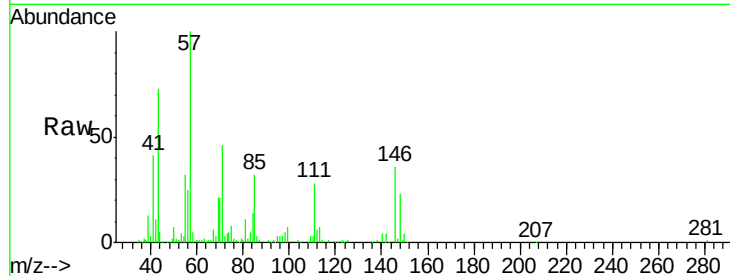
#76
 1,4-Dichlorobenzene
 Concen: 0.121 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.04 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Instrument :
 MSVOA_L
 ClientSampled :
 SS-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		47508		
111	72.8	20.0	60.0#		
148	68.0	33.2	99.6		

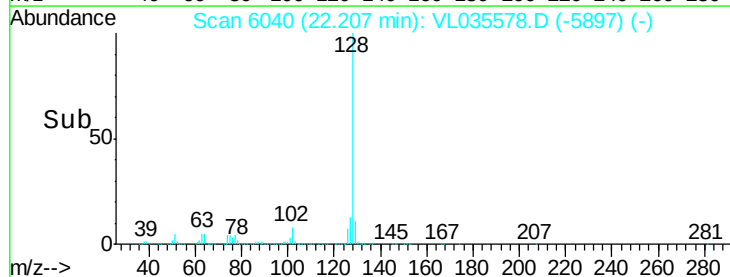
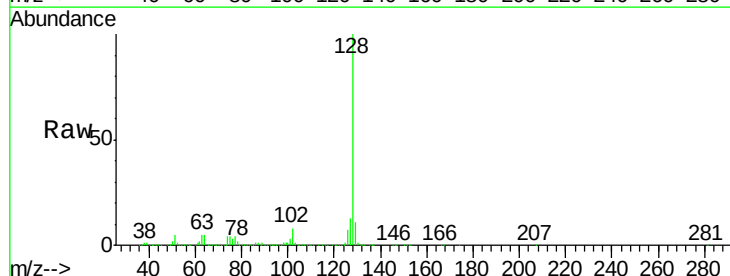
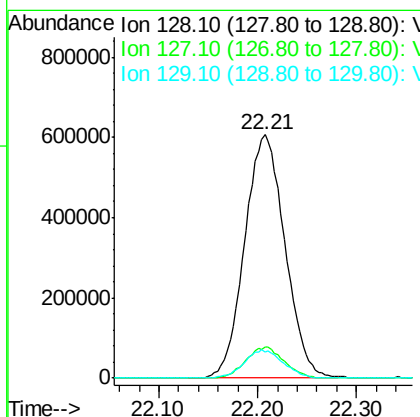
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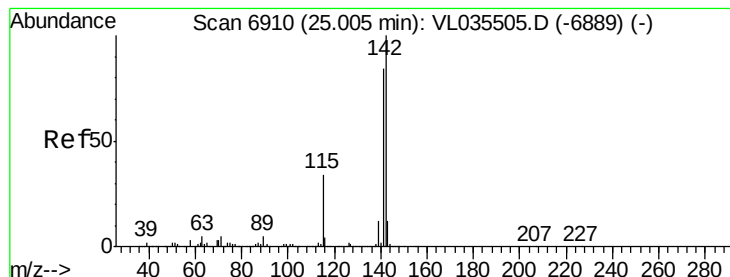
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#79
 Naphthalene
 Concen: 2.879 ppbv
 RT: 22.21 min Scan# 6040
 Delta R.T. -0.04 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		1712890		
127	12.7	11.4	17.2		
129	10.9	10.5	15.7		





#80

Naphthalene, 2-methyl-

Concen: 0.231 ppbv

RT: 24.99 min Scan# 6904

Delta R.T. -0.02 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampleId :

SS-2

Tot Ion:	142	Resp:	46841
Ion Ratio	Lower	Upper	
142	100		
141	84.6	67.6	101.4
115	35.5	25.8	38.8

Manual Integrations
APPROVED

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9/10/2020 10:45:53 AM

