

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035544.D
 Acq On : 3 Sep 2020 23:51
 Operator : SY/AP
 Sample : L3898-06
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 5:13:00 PM

Quant Time: Sep 05 15:18:49 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	5.69	49	1011059	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4396351	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4421560	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3255744	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	75416	0.430	ppbv	97
3) Chlorodifluoromethane	3.00	51	144510m	1.292	ppbv	
4) Chloromethane	3.15	50	33188	0.554	ppbv	90
9) Propene	3.03	41	164456	3.815	ppbv #	68
10) Heptane	8.15	43	36136	0.312	ppbv	99
11) Trichlorofluoromethane	3.96	101	2071398	8.107	ppbv	99
13) Ethanol	3.63	45	1154097	107.975	ppbv	97
15) Acetone	3.86	43	7789839	69.858	ppbv #	79
19) Isopropyl Alcohol	3.99	45	1144186	17.200	ppbv #	93
20) Methylene Chloride	4.36	84	2374317	28.588	ppbv	96
26) Hexane	5.71	57	1073768	9.620	ppbv #	50
29) Chloroform	5.78	83	127730	0.562	ppbv	95
30) Cyclohexane	7.15	84	39079	0.327	ppbv	94
32) 1,1,1-Trichloroethane	6.54	97	7639	0.035	ppbv	92
34) 2-Butanone	5.27	43	133023	1.020	ppbv	98
35) Carbon Tetrachloride	7.05	117	15358m	0.070	ppbv	
36) Benzene	6.92	78	129971	0.457	ppbv	96
37) 1,2-Dichloroethane	6.34	62	18646m	0.137	ppbv	
44) 2,2,4-Trimethylpentane	7.90	57	182348	0.487	ppbv #	89
50) 4-Methyl-2-Pentanone	8.79	43	36057	0.191	ppbv	93
52) Tetrachloroethene	11.25	164	16444m	0.099	ppbv	
53) Toluene	9.84	91	1117972	3.124	ppbv	98
58) Ethyl Benzene	12.75	91	111806	0.245	ppbv	93
59) m/p-Xylene	13.01	91	353108m	0.927	ppbv	
60) o-Xylene	13.73	91	134477	0.350	ppbv	95
64) n-propylbenzene	15.61	120	18065m	0.096	ppbv	
65) tert-Butylbenzene	16.80	119	72341	0.126	ppbv #	77
69) p-Isopropyltoluene	17.70	119	76414	0.114	ppbv	91
70) n-Butylbenzene	18.61	91	101439	0.157	ppbv #	7
72) 4-Ethyltoluene	15.88	105	104870	0.215	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.04	105	197235	0.437	ppbv	91
74) 1,2,4-Trimethylbenzene	16.81	105	594384	1.200	ppbv #	72
76) 1,4-Dichlorobenzene	17.18	146	131653	0.364	ppbv	95
79) Naphthalene	22.26	128	991103	1.803	ppbv	94

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

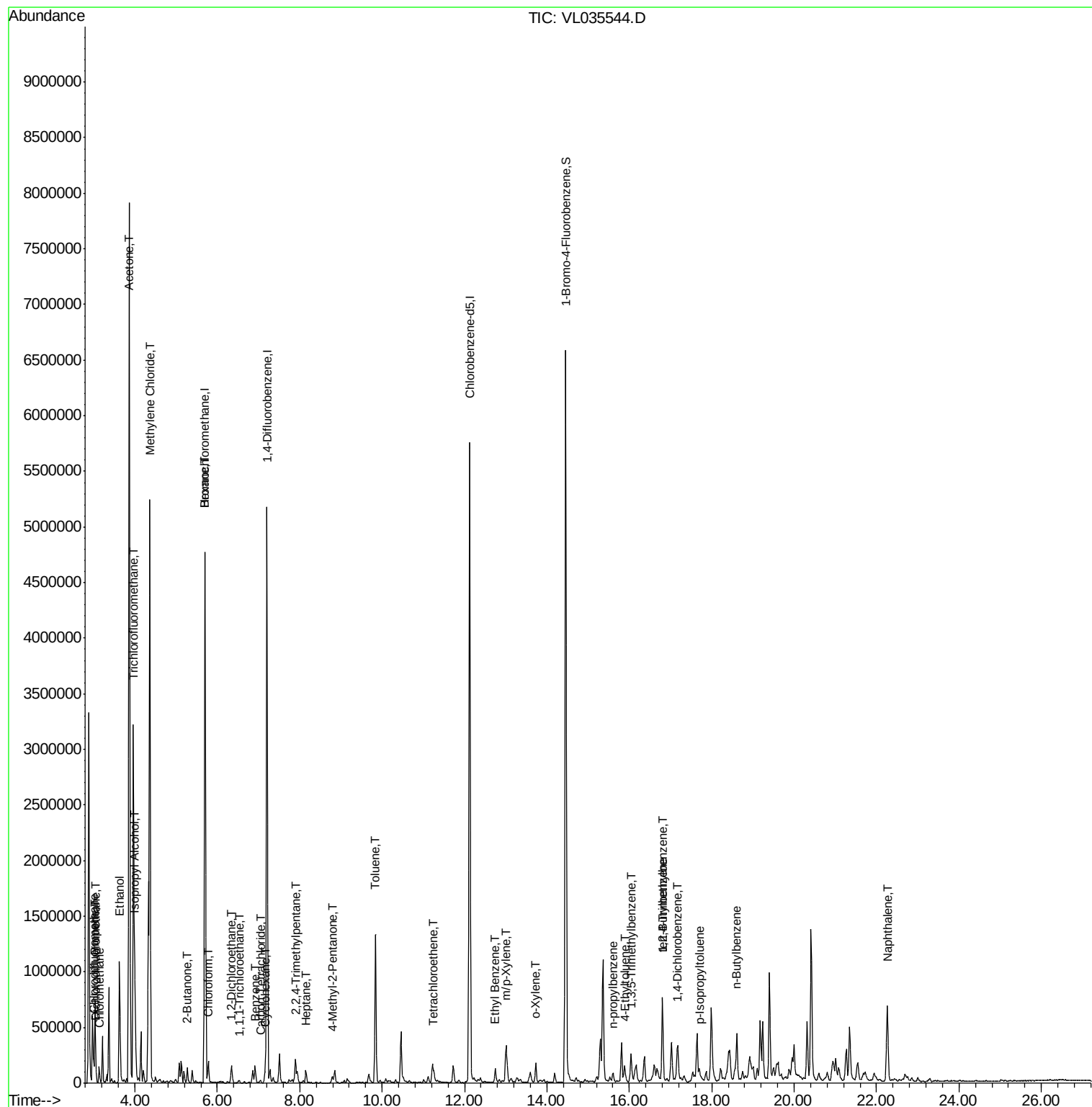
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090320\
Data File : VL035544.D
Acq On : 3 Sep 2020 23:51
Operator : SY/AP
Sample : L3898-06
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

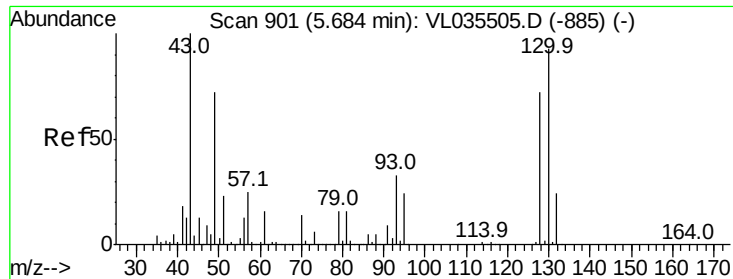
Instrument :
MSVOA_L
ClientSampleId :
IA-6

Manual Integrations
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9/8/2020 5:13:00 PM

Quant Time: Sep 05 15:18:49 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: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampled :

IA-6

Tot Ion: 49 Resp: 1011059

Ion Ratio Lower Upper

49 100

128 97.6 50.0 150.1

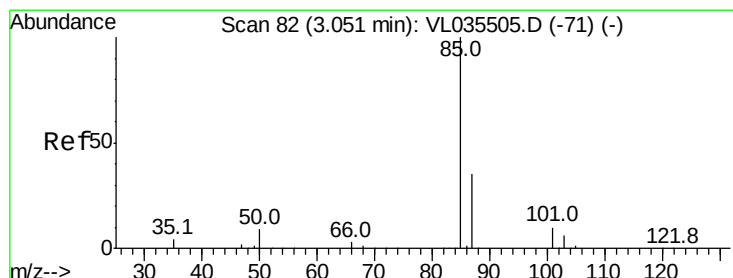
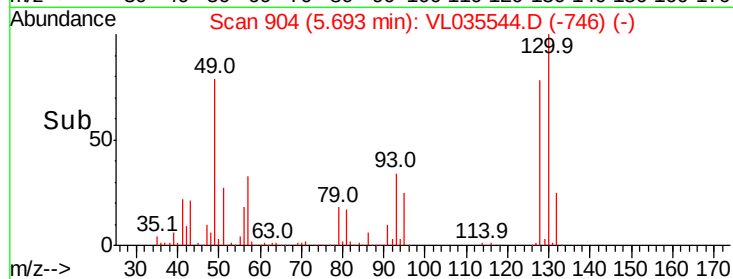
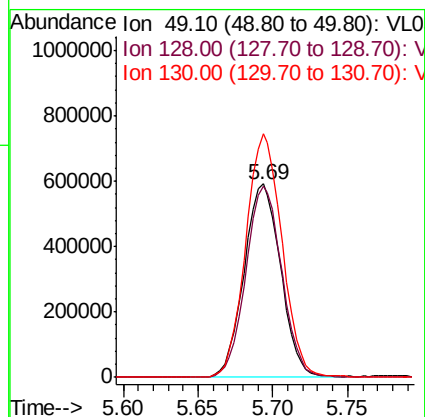
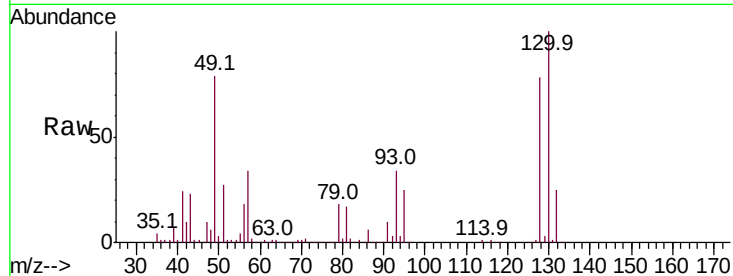
130 124.8 64.4 193.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 0.430 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL035544.D

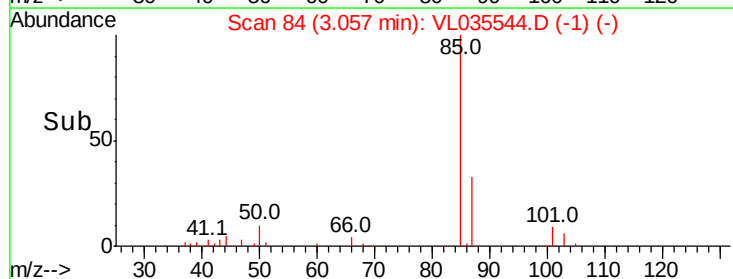
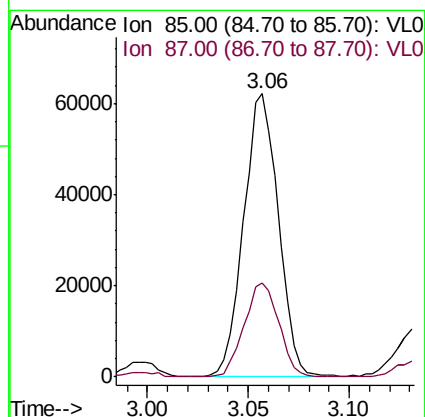
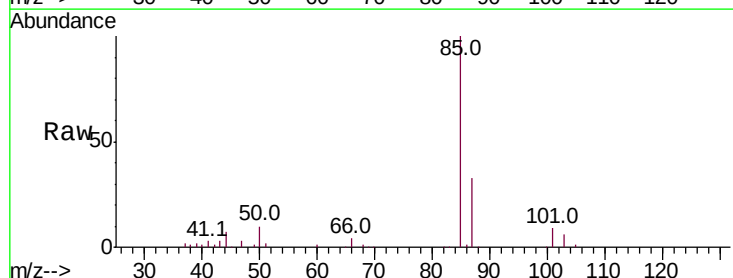
Acq: 3 Sep 2020 23:51

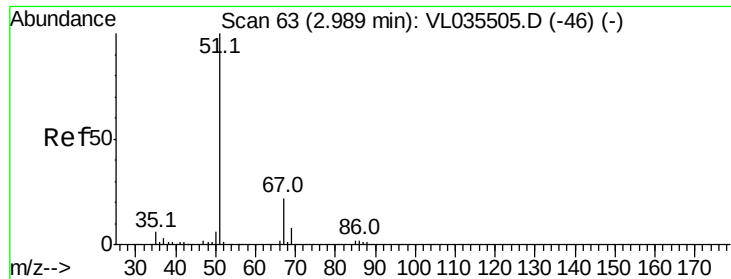
Tgt Ion: 85 Resp: 75416

Ion Ratio Lower Upper

85 100

87 33.2 28.0 42.0





#3

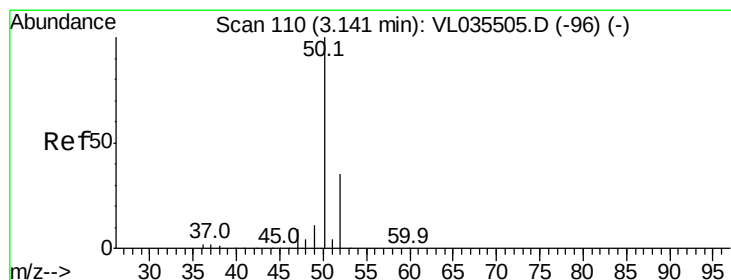
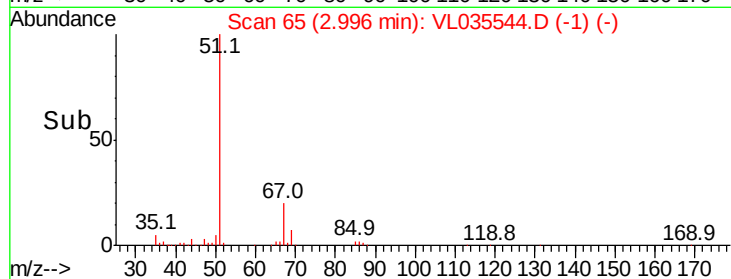
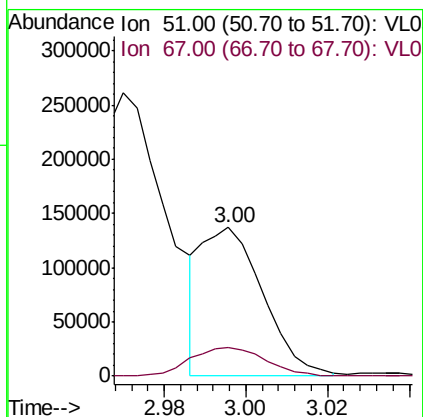
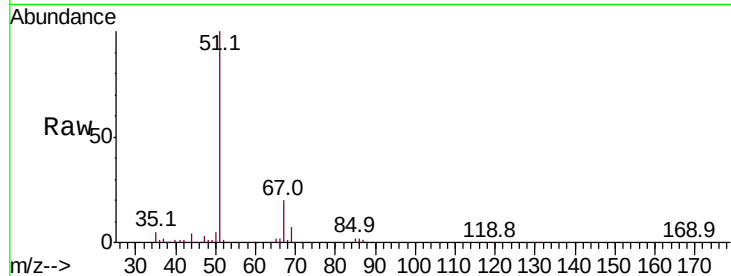
Chlorodifluoromethane
Concen: 1.292 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Instrument :
MSVOA_L
ClientSampled :
IA-6

Tot Ion	51	Resp	144510
Ion Ratio	100	Lower	Upper
51	100		
67	23.9	17.8	26.8

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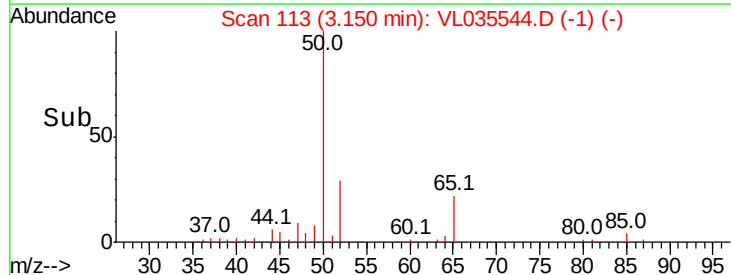
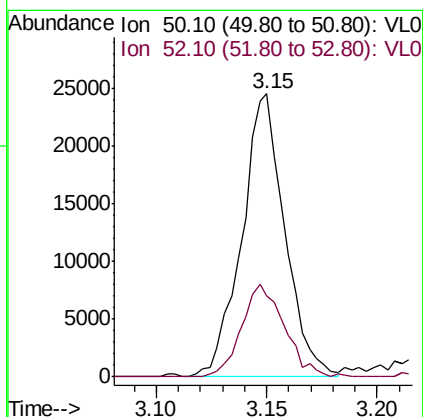
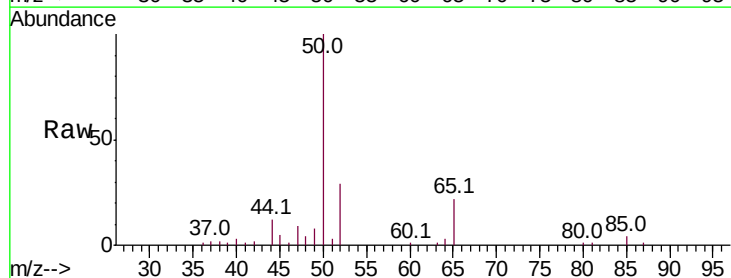
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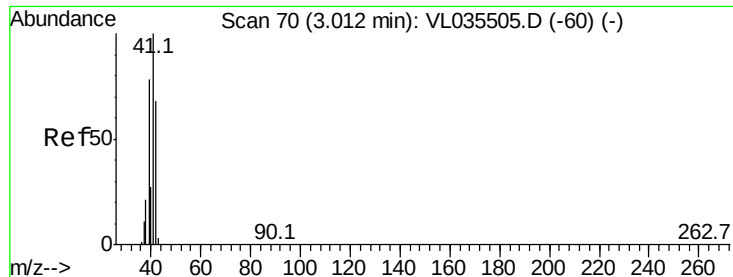


#4

Chloromethane
Concen: 0.554 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion	50	Resp	33188
Ion Ratio	100	Lower	Upper
50	100		
52	28.8	27.7	41.5





#9

Propene

Concen: 3.815 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampled :

IA-6

Tot Ion: 41 Resp: 164456

Ion Ratio Lower Upper

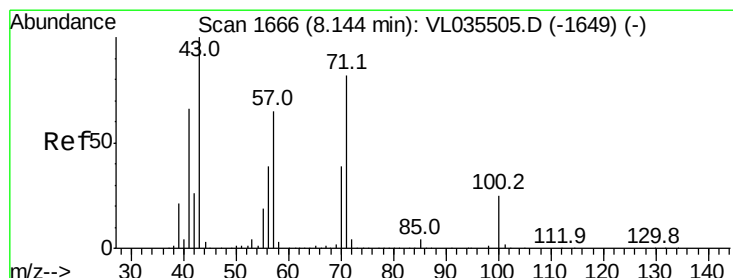
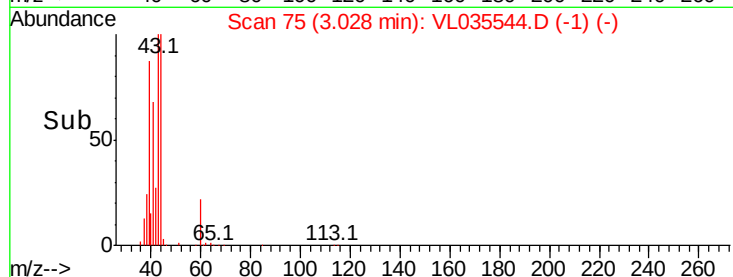
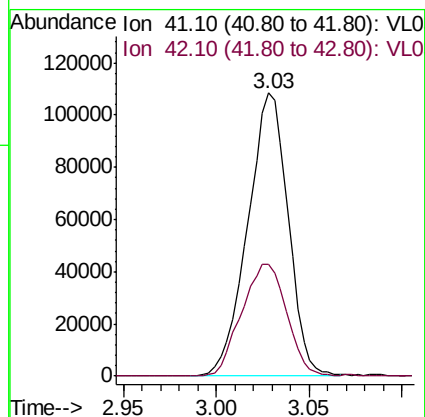
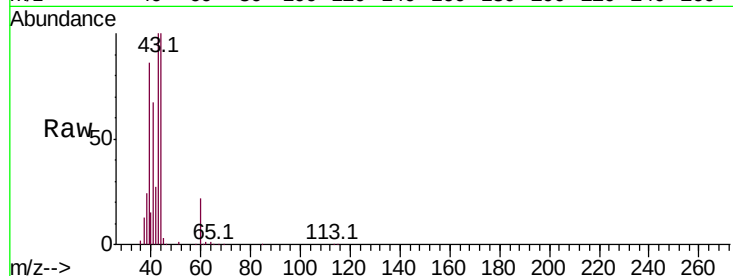
41 100

42 44.4 56.3 84.5#

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#10

Heptane

Concen: 0.312 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VL035544.D

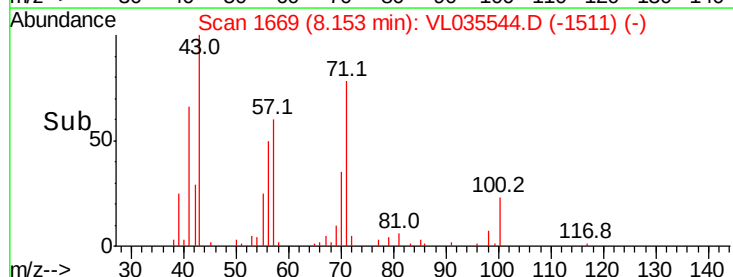
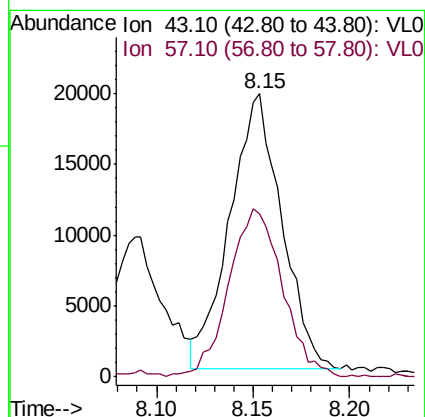
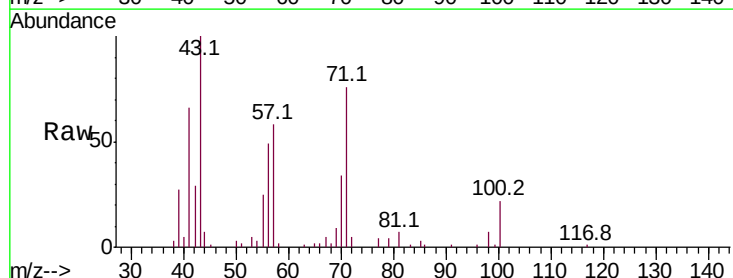
Acq: 3 Sep 2020 23:51

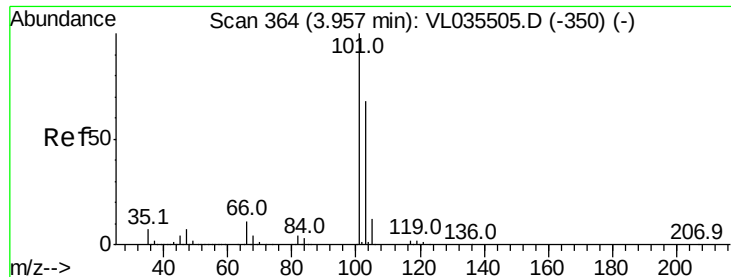
Tgt Ion: 43 Resp: 36136

Ion Ratio Lower Upper

43 100

57 63.6 51.4 77.0





#11

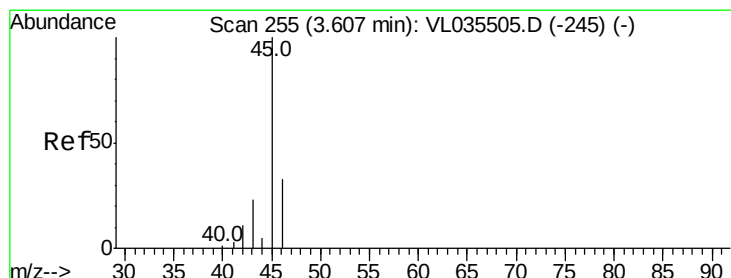
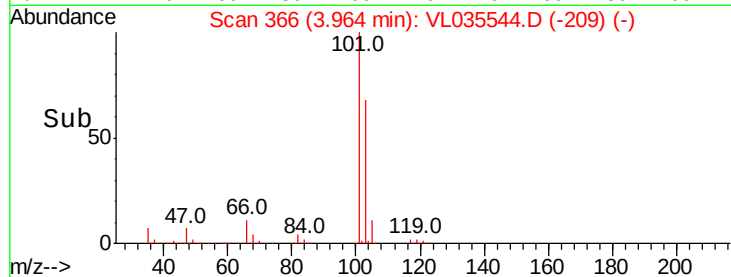
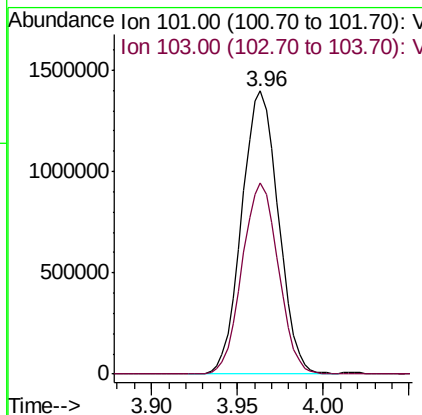
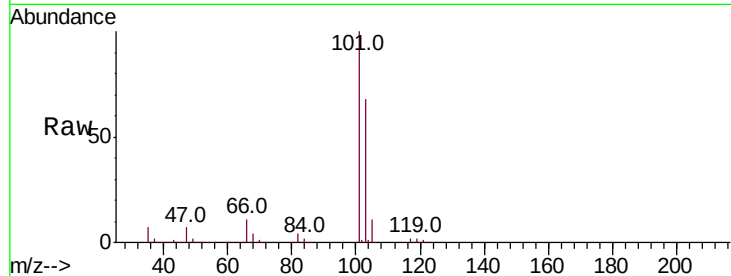
Trichlorofluoromethane
 Concen: 8.107 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VL035544.D
 Acq: 3 Sep 2020 23:51

Instrument :
 MSVOA_L
 ClientSampled :
 IA-6

Tot Ion:101 Resp: 2071398
 Ion Ratio Lower Upper
 101 100
 103 67.6 54.5 81.7

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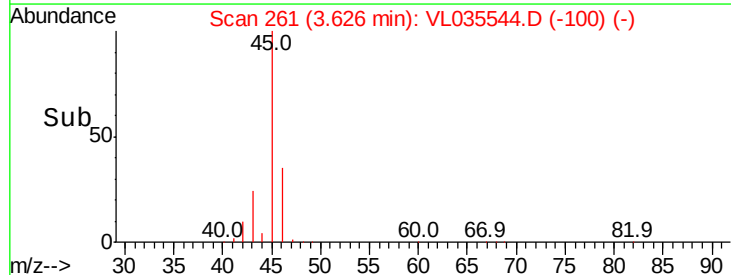
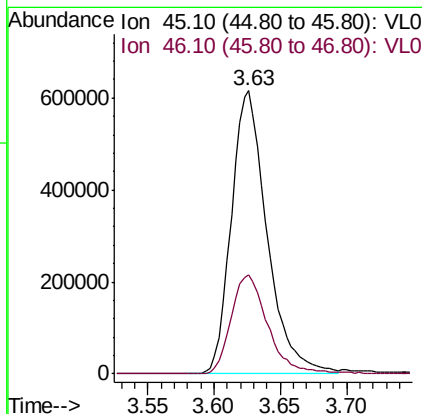
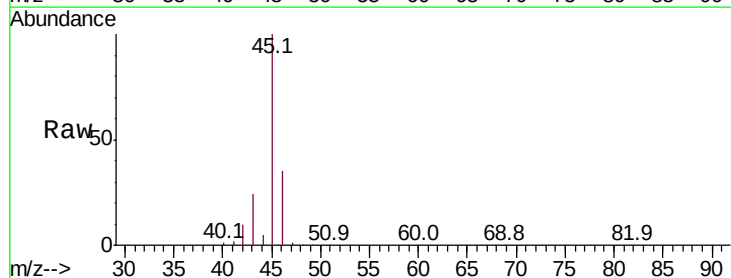
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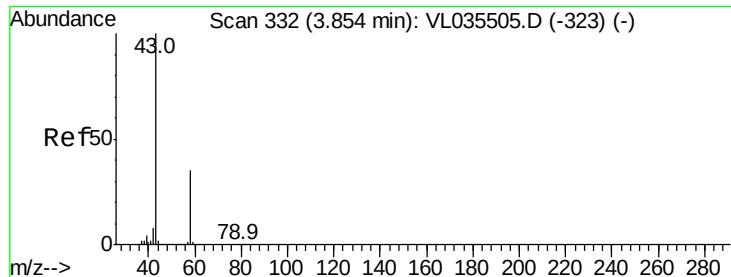


#13

Ethanol
 Concen: 107.975 ppbv
 RT: 3.63 min Scan# 261
 Delta R.T. 0.02 min
 Lab File: VL035544.D
 Acq: 3 Sep 2020 23:51

Tgt Ion: 45 Resp: 1154097
 Ion Ratio Lower Upper
 45 100
 46 36.2 15.2 60.6





#15

Acetone

Concen: 69.858 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampled :

IA-6

Tot Ion: 43 Resp: 7789839

Ion Ratio Lower Upper

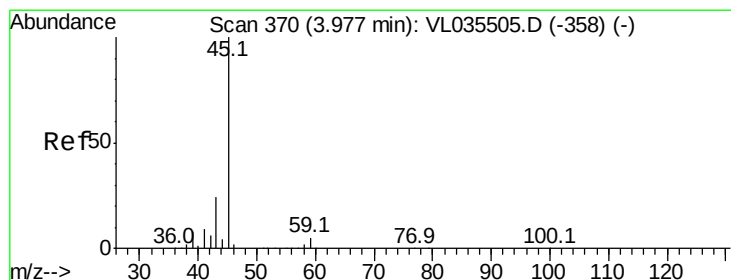
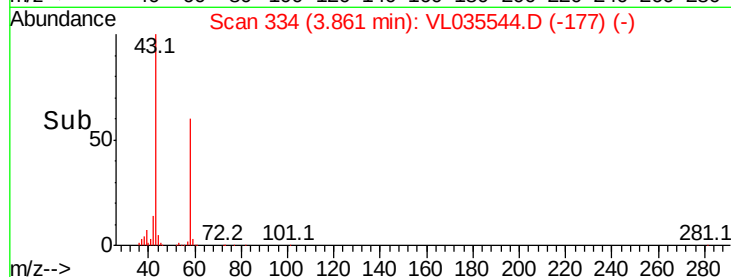
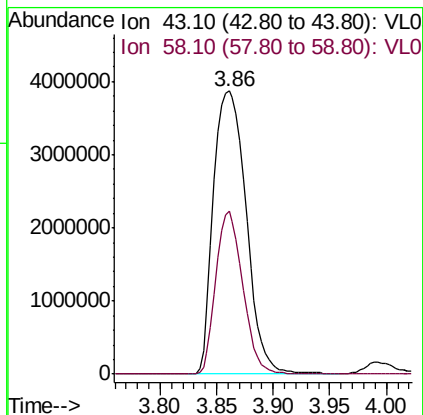
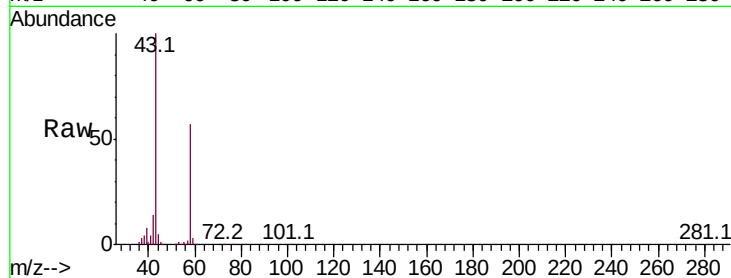
43 100

58 47.5 28.4 42.6#

Manual Integrations
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#19

Isopropyl Alcohol

Concen: 17.200 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.02 min

Lab File: VL035544.D

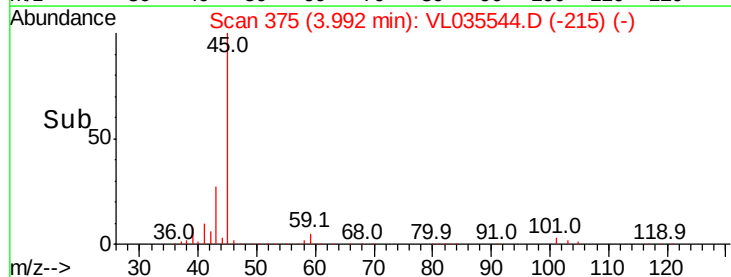
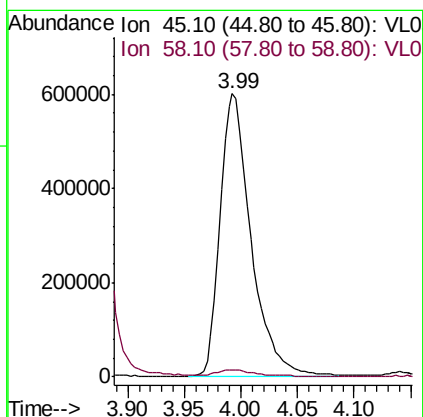
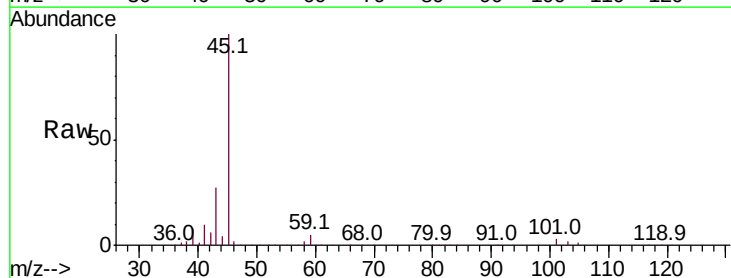
Acq: 3 Sep 2020 23:51

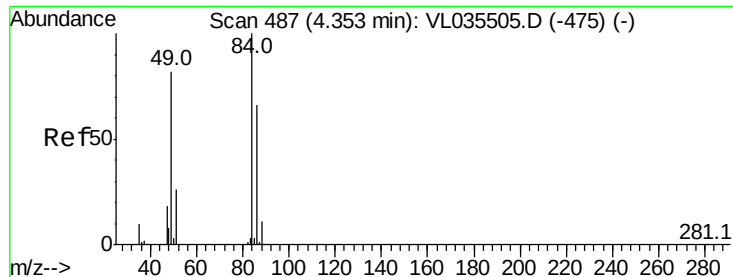
Tgt Ion: 45 Resp: 1144186

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#





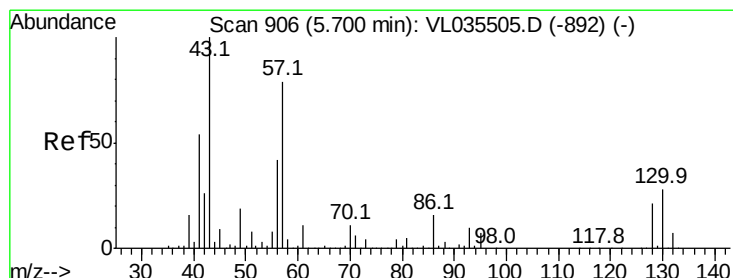
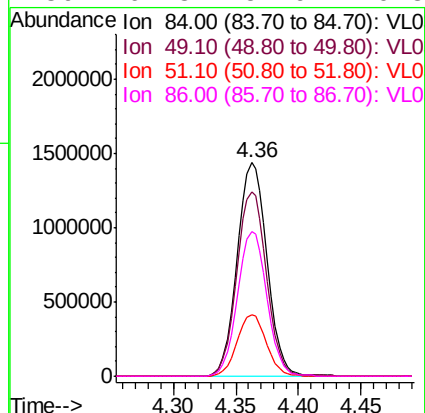
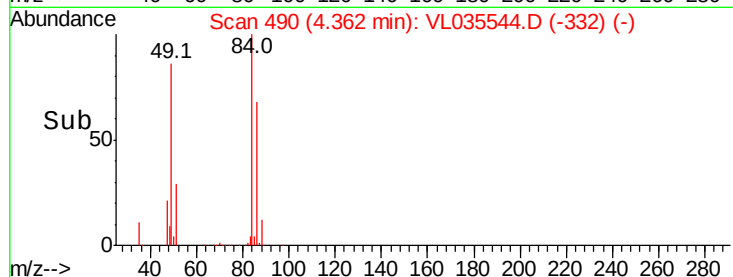
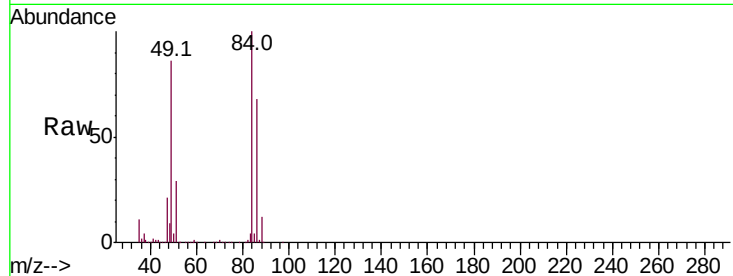
#20
Methvlene Chloride
Concen: 28.588 ppbv
RT: 4.36 min Scan# 490
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Instrument :
MSVOA_L
ClientSampled :
IA-6

Tot Ion	84	Resp	2374317
Ion	Ratio	Lower	Upper
84	100		
49	86.1	65.4	98.0
51	29.0	21.5	32.3
86	67.8	52.9	79.3

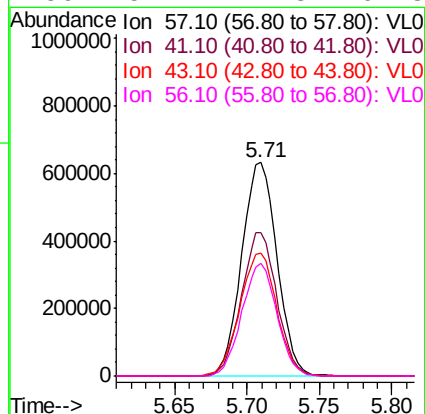
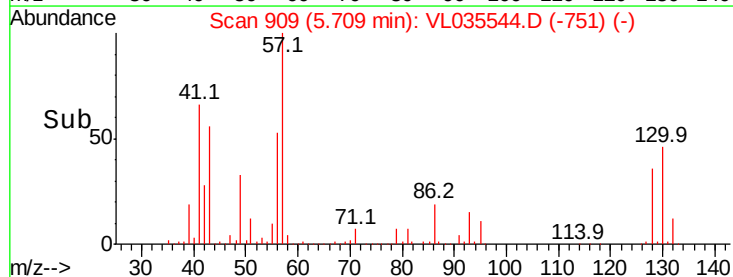
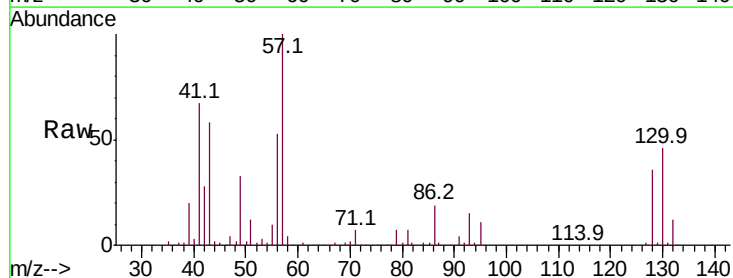
Manual Integrations
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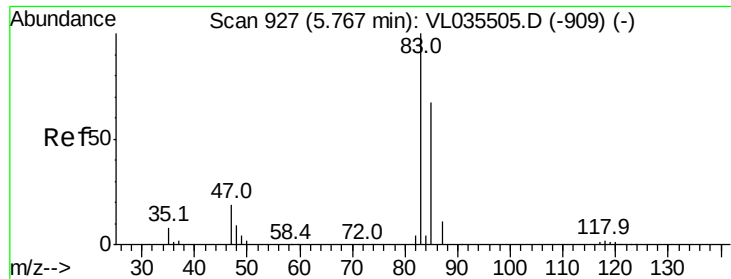
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#26
Hexane
Concen: 9.620 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion	57	Resp	1073768
Ion	Ratio	Lower	Upper
57	100		
41	67.3	55.9	83.9
43	60.1	141.8	212.8#
56	52.2	41.8	62.8





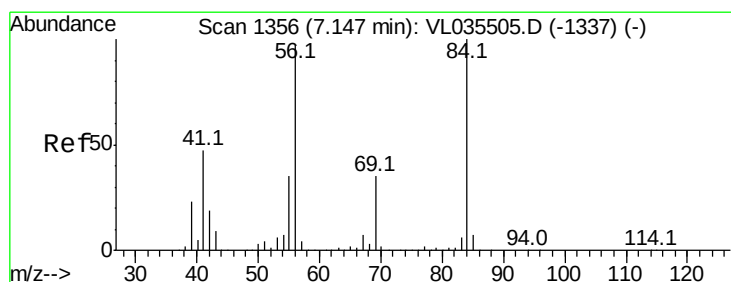
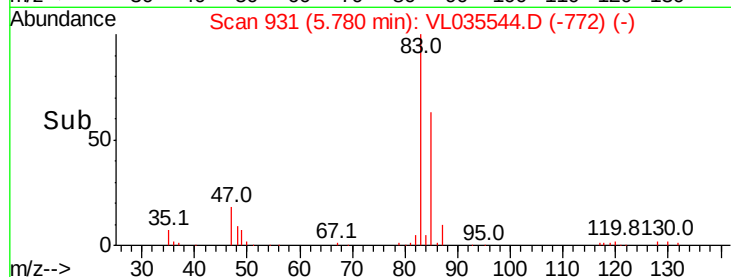
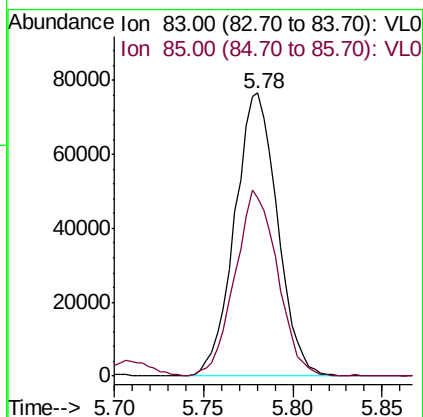
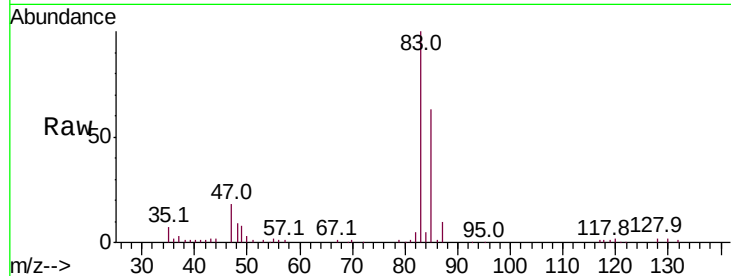
#29
Chloroform
Concen: 0.562 ppbv
RT: 5.78 min Scan# 931
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Instrument :
MSVOA_L
ClientSampled :
IA-6

Tot Ion: 83 Resp: 127730
Ion Ratio Lower Upper
83 100
85 63.2 53.9 80.9

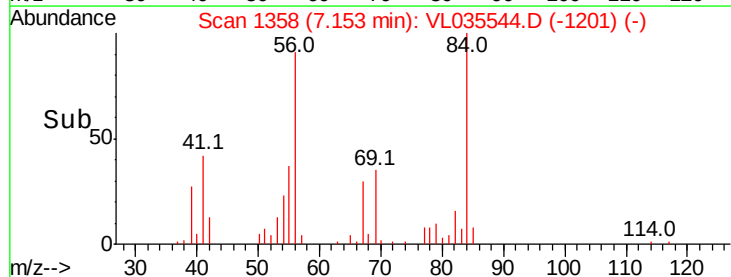
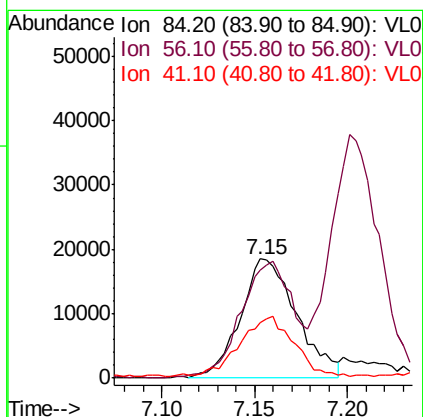
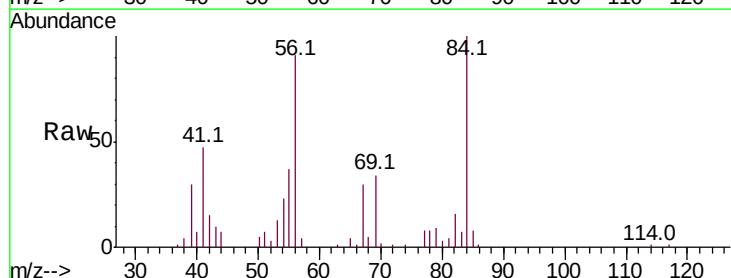
Manual Integrations
APPROVED

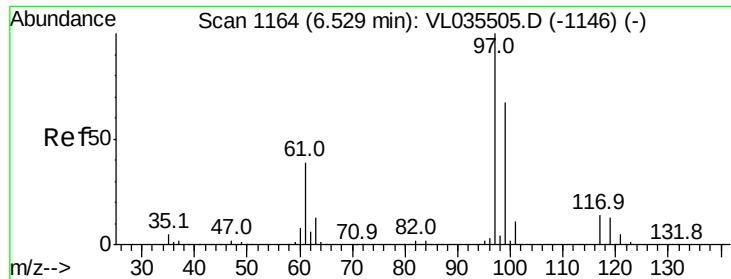
MMDadoda
9/8/2020 5:13:00 PM



#30
Cyclohexane
Concen: 0.327 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion: 84 Resp: 39079
Ion Ratio Lower Upper
84 100
56 92.6 80.1 120.1
41 46.7 38.1 57.1





#32

1,1,1-Trichloroethane

Concen: 0.035 ppbv

RT: 6.54 min Scan# 1167

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

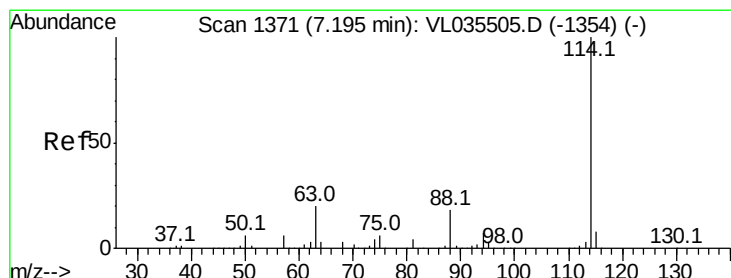
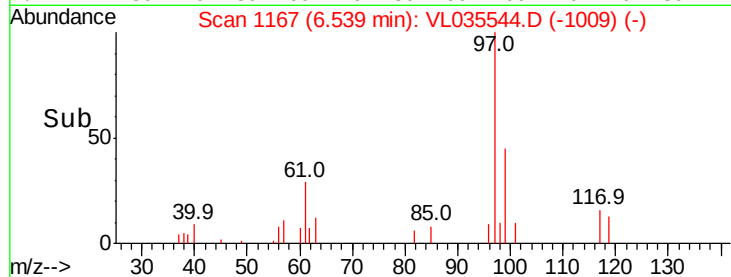
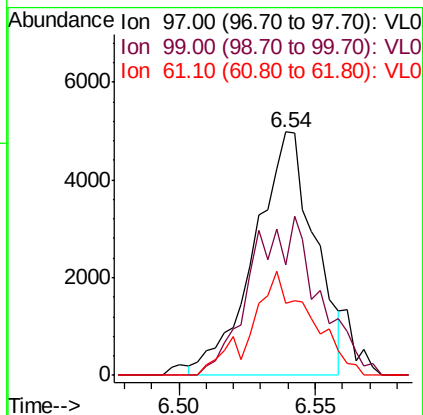
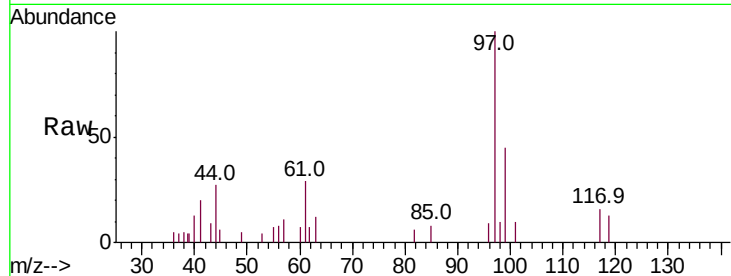
ClientSampled :

IA-6

Tot Ion:	97	Resp:	7639
Ion	Ratio	Lower	Upper
97	100		
99	73.7	53.3	79.9
61	42.2	30.6	46.0

Manual Integrations
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9/8/2020 5:13:00 PM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

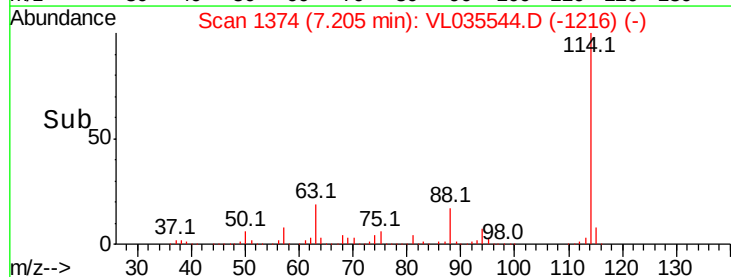
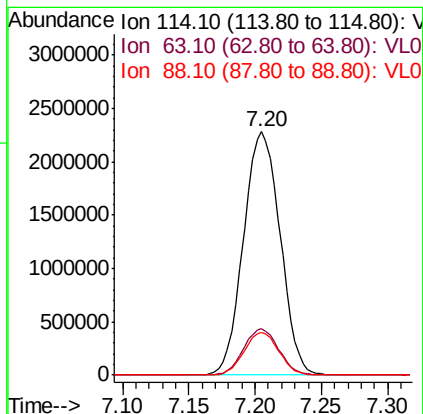
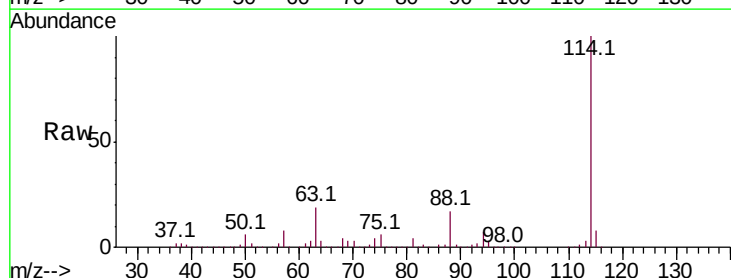
RT: 7.20 min Scan# 1374

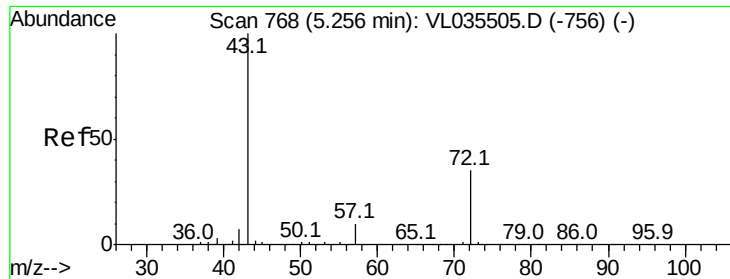
Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Tgt Ion:	114	Resp:	4396351
Ion	Ratio	Lower	Upper
114	100		
63	18.4	14.7	22.1
88	16.9	13.4	20.2





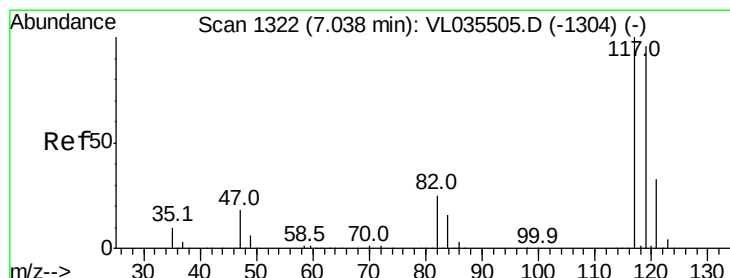
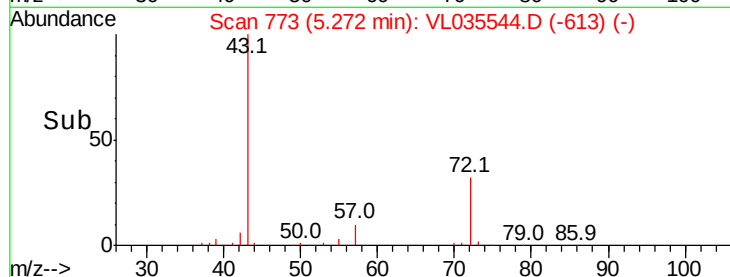
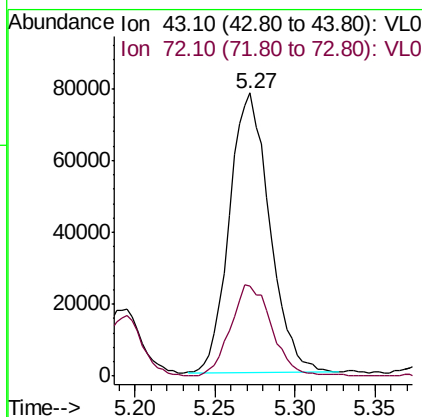
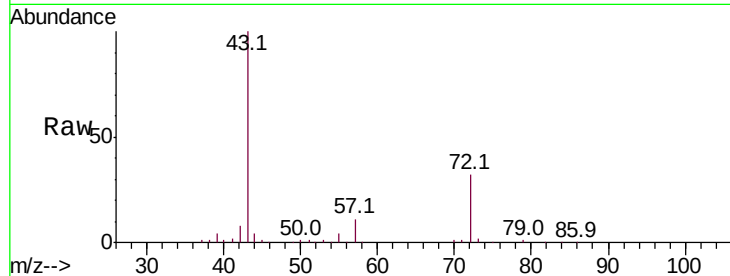
#34
2-Butanone
Concen: 1.020 ppbv
RT: 5.27 min Scan# 773
Delta R.T. 0.02 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Instrument :
MSVOA_L
ClientSampled :
IA-6

Tot Ion: 43 Resp: 133023
Ion Ratio Lower Upper
43 100
72 33.4 27.7 41.5

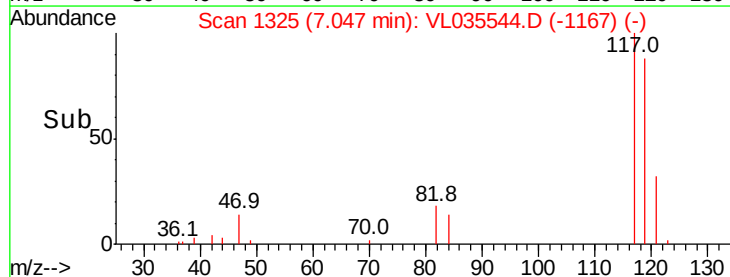
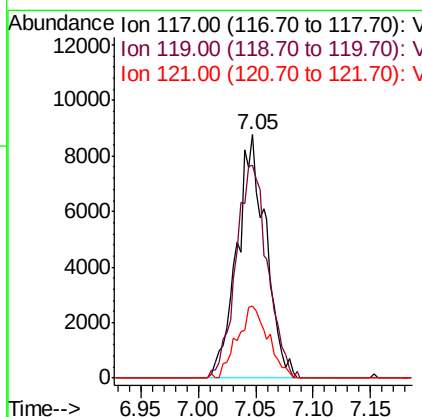
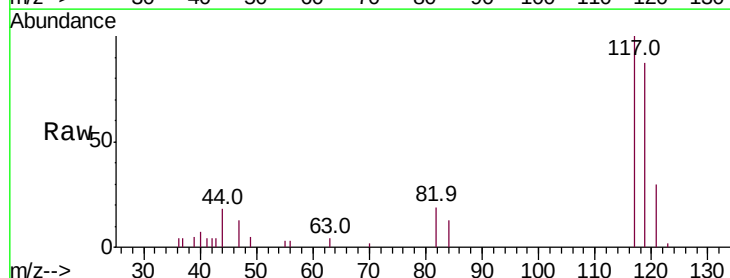
Manual Integrations
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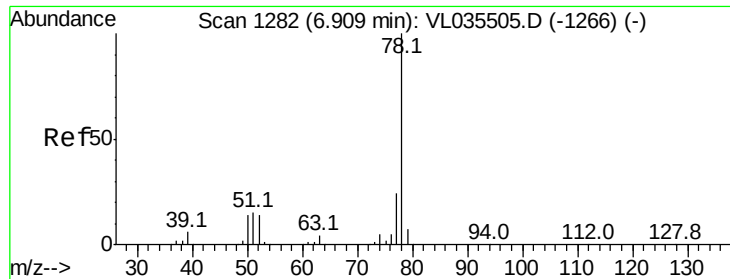
MMDadoda
9/8/2020 5:13:00 PM



#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 7.05 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion: 117 Resp: 15358
Ion Ratio Lower Upper
117 100
119 87.4 77.2 115.8
121 29.5 26.1 39.1





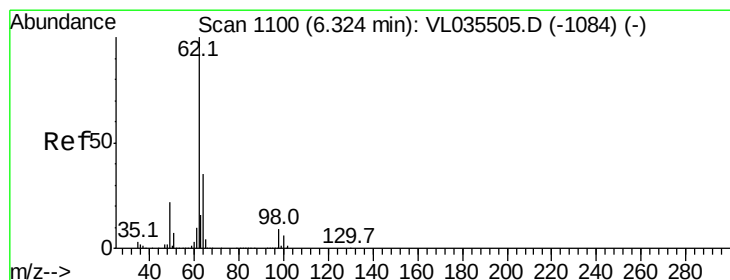
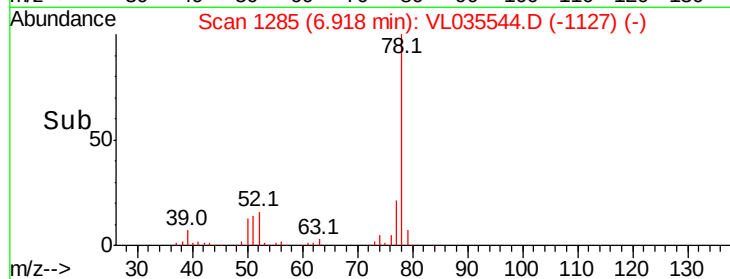
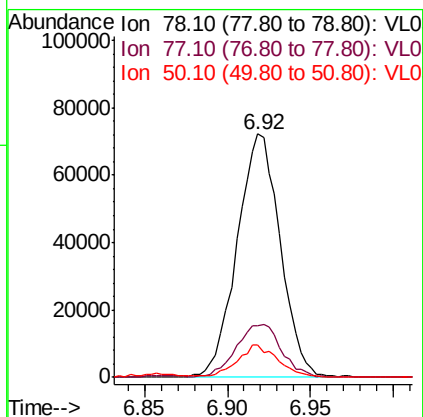
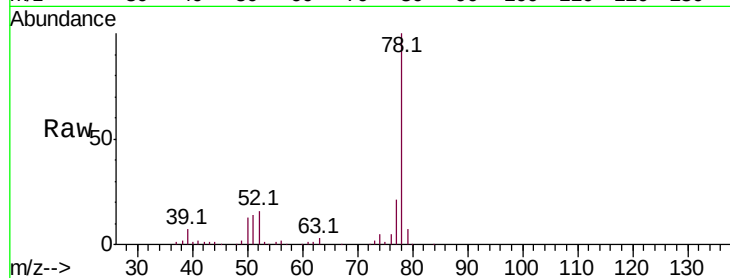
#36
Benzene
Concen: 0.457 ppbv
RT: 6.92 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Instrument :
MSVOA_L
ClientSampled :
IA-6

Tot Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.3	28.9
50	13.2	11.0	16.6

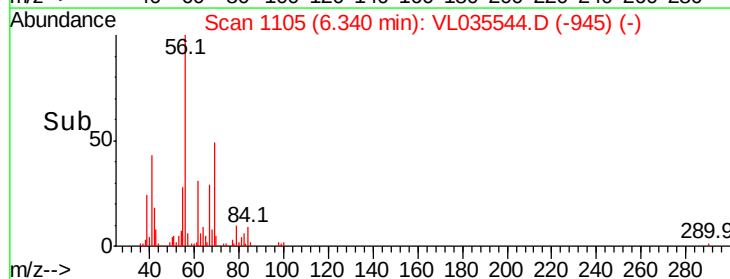
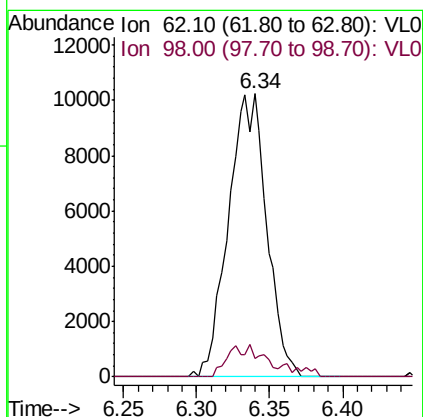
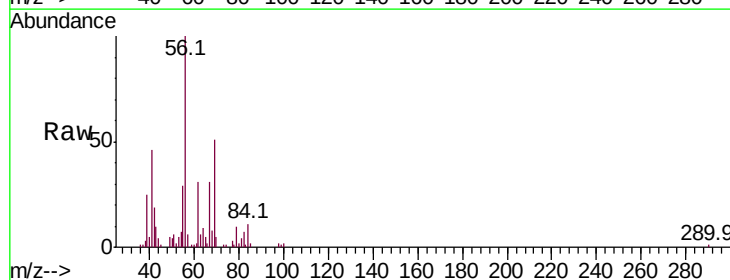
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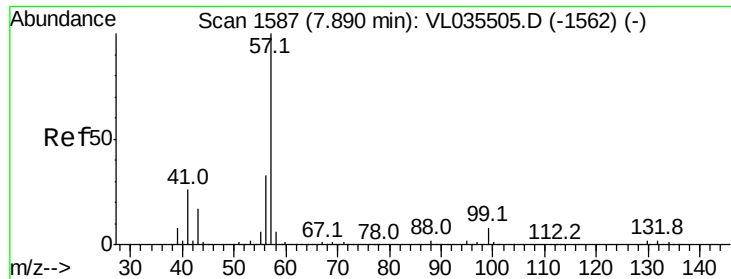
MMDadoda
9/8/2020 5:13:00 PM



#37
1,2-Dichloroethane
Concen: 0.137 ppbv m
RT: 6.34 min Scan# 1105
Delta R.T. 0.02 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.7	7.4	11.0#





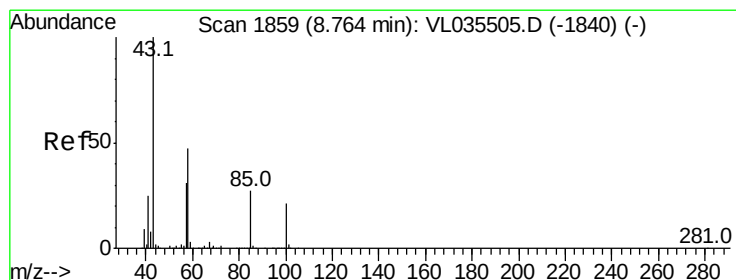
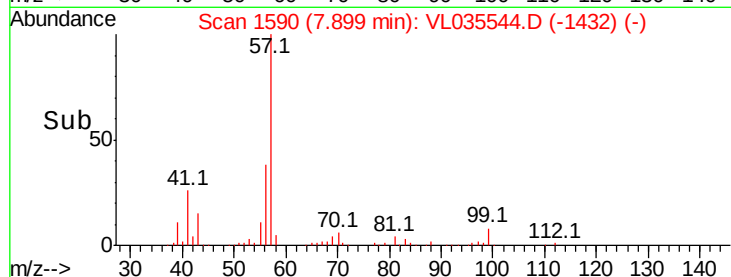
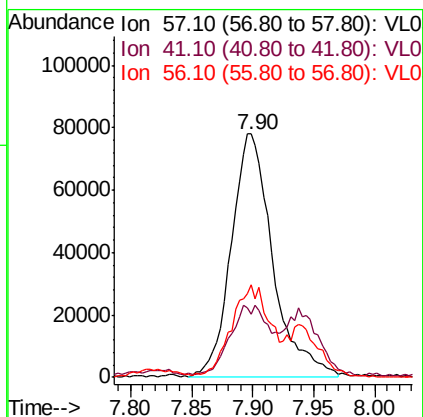
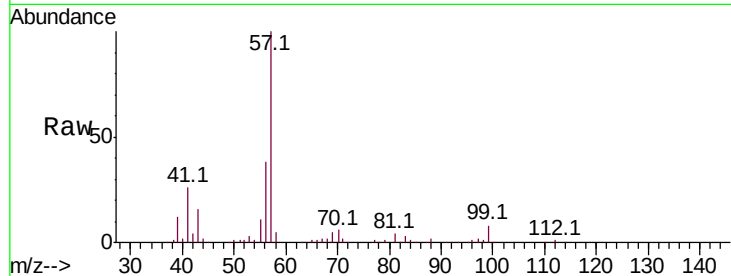
#44
 2,2,4-Trimethylpentane
 Concen: 0.487 ppbv
 RT: 7.90 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VL035544.D
 Acq: 3 Sep 2020 23:51

Instrument :
 MSVOA_L
 ClientSampled :
 IA-6

Tot Ion	Ratio	Lower	Upper
57	100		
41	29.5	20.5	30.7
56	38.8	25.3	37.9

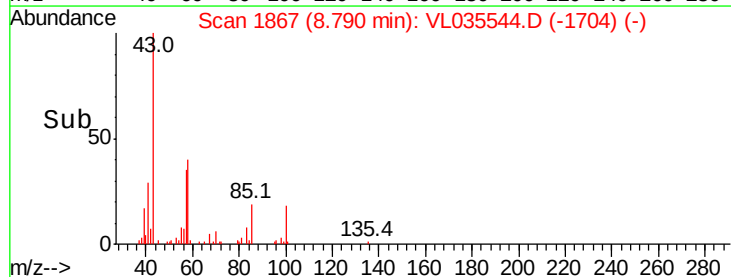
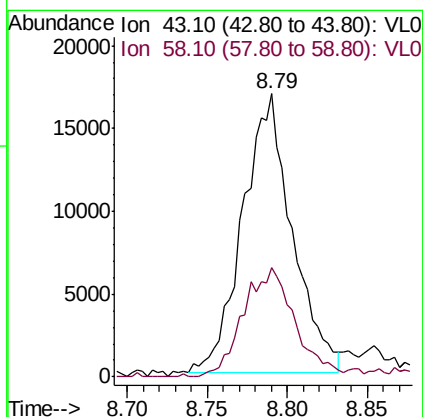
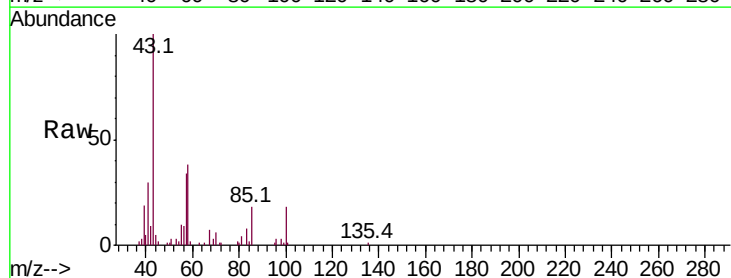
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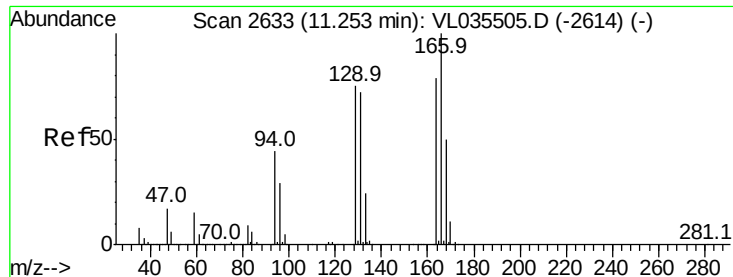
MMDadoda
 9/8/2020 5:13:00 PM



#50
 4-Methyl-2-Pentanone
 Concen: 0.191 ppbv
 RT: 8.79 min Scan# 1867
 Delta R.T. 0.03 min
 Lab File: VL035544.D
 Acq: 3 Sep 2020 23:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.0	37.4	56.0





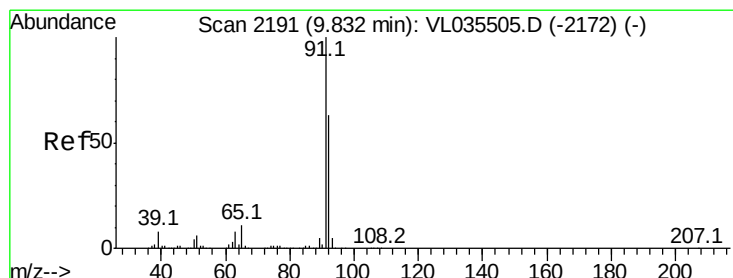
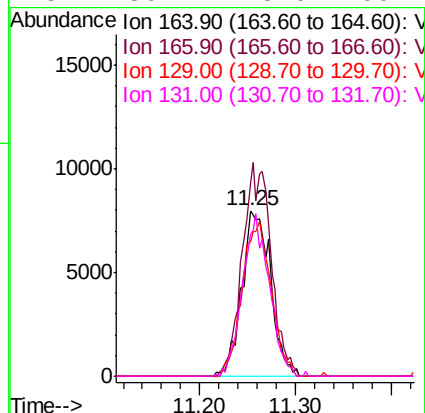
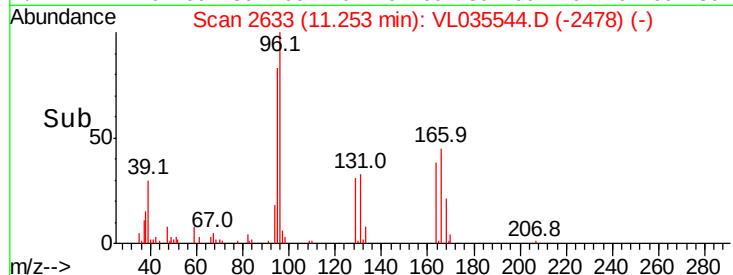
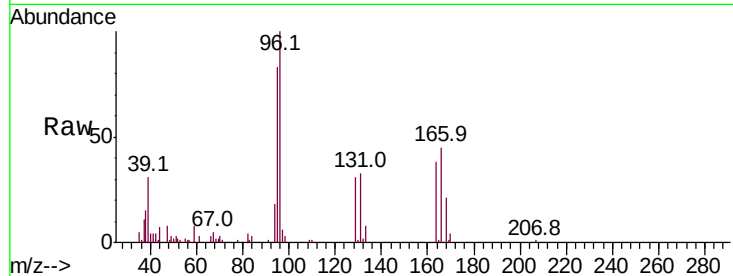
#52
Tetrachloroethene
Concen: 0.099 ppbv m
RT: 11.25 min Scan# 2633
Delta R.T. -0.00 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Instrument :
MSVOA_L
ClientSampled :
IA-6

Tot Ion	Ratio	Lower	Upper
164	100		
166	117.0	100.9	151.3
129	81.3	75.3	112.9
131	86.1	73.0	109.4

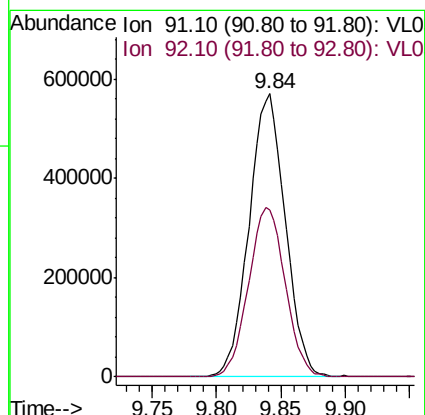
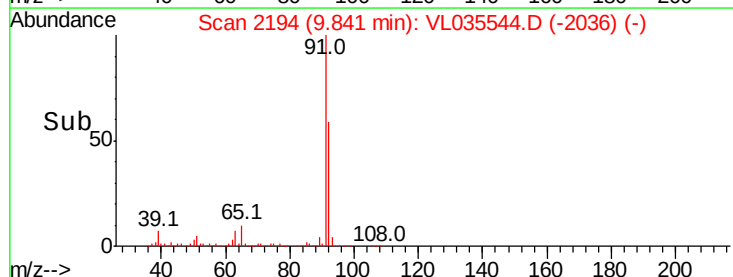
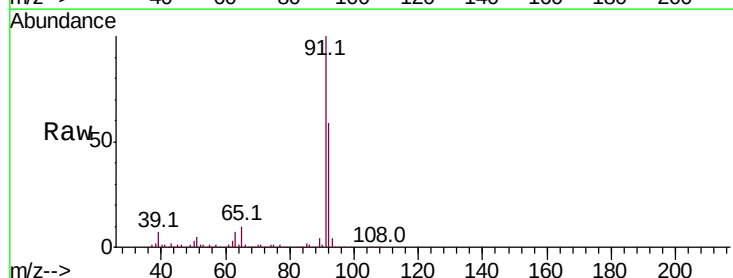
Manual Integrations
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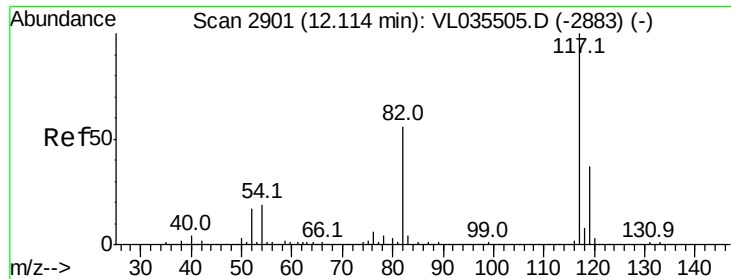
MMDadoda
9/8/2020 5:13:00 PM



#53
Toluene
Concen: 3.124 ppbv
RT: 9.84 min Scan# 2194
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.9	49.8	74.8





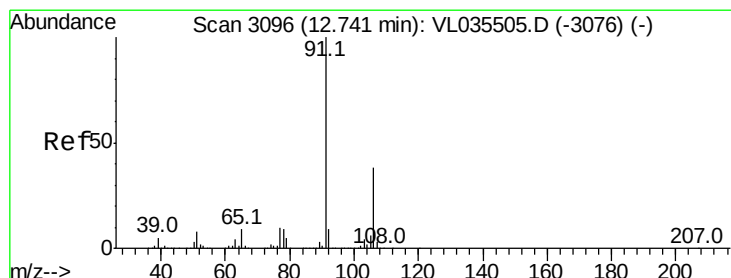
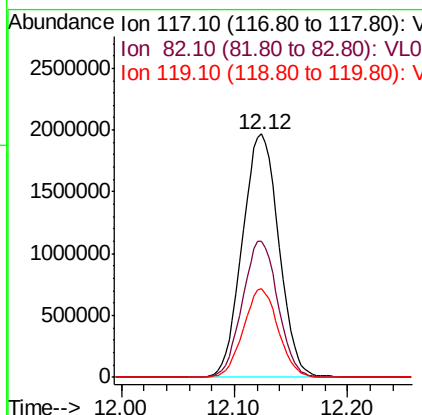
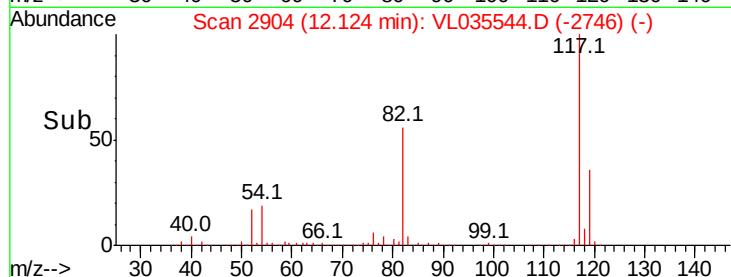
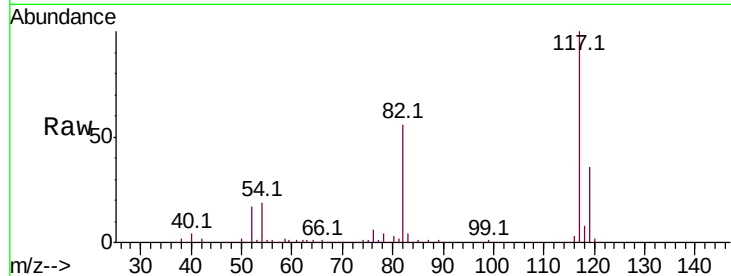
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Instrument :
MSVOA_L
ClientSampled :
IA-6

Tot Ion:117 Resp: 4421560
Ion Ratio Lower Upper
117 100
82 54.7 41.6 62.4
119 34.9 29.3 43.9

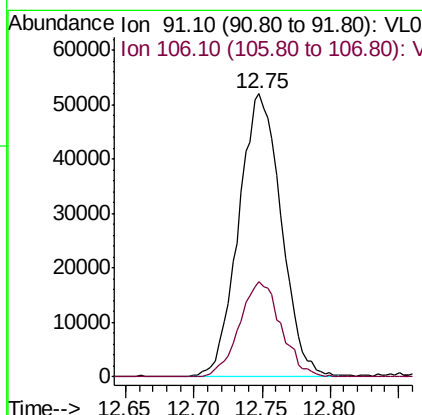
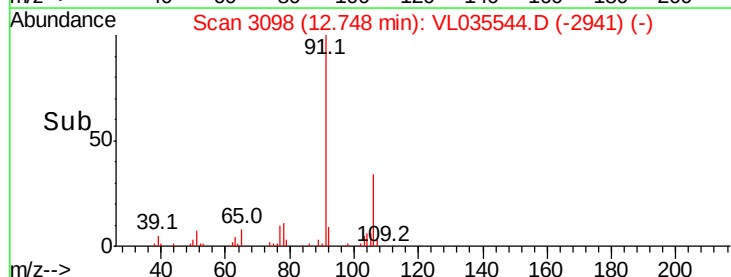
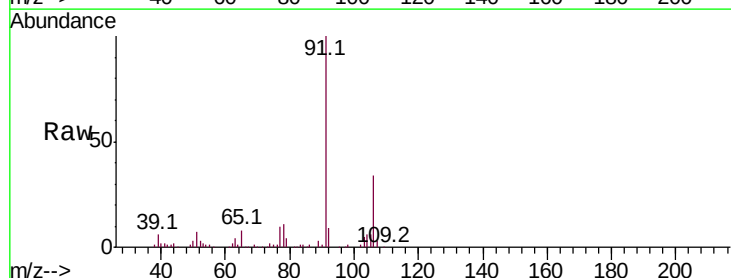
Manual Integrations
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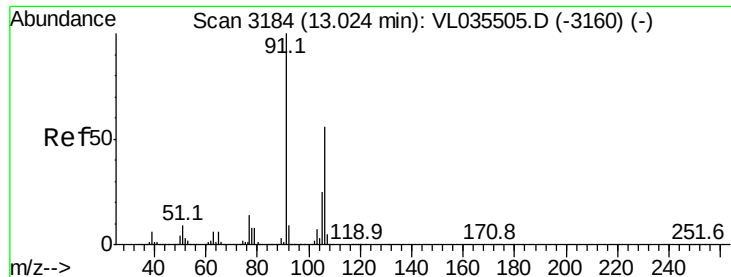
MMDadoda
9/8/2020 5:13:00 PM



#58
Ethyl Benzene
Concen: 0.245 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion: 91 Resp: 111806
Ion Ratio Lower Upper
91 100
106 33.7 30.3 45.5





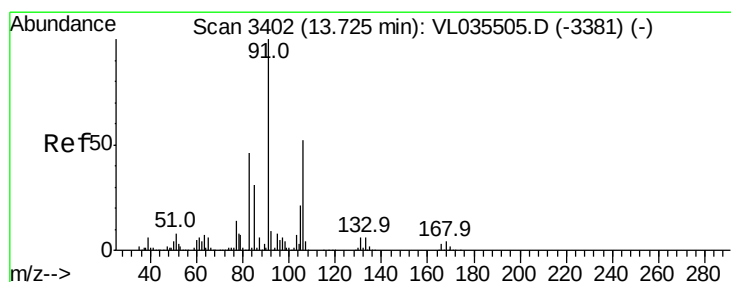
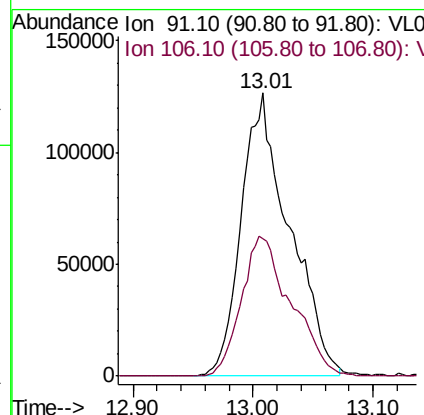
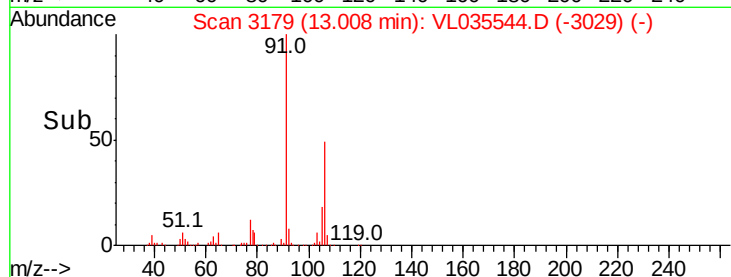
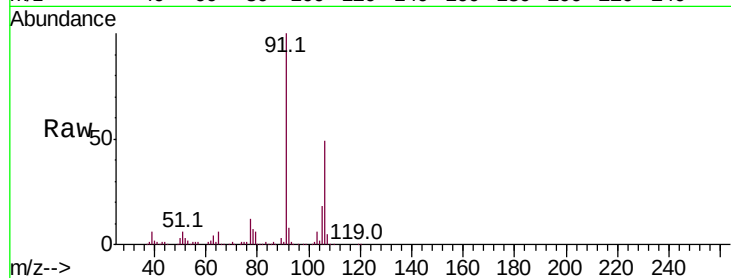
#59
m/p-Xylene
Concen: 0.927 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. -0.02 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Instrument :
MSVOA_L
ClientSampled :
IA-6

Tot Ion	Ratio	Lower	Upper
91	100		
106	0.0	43.4	65.2#

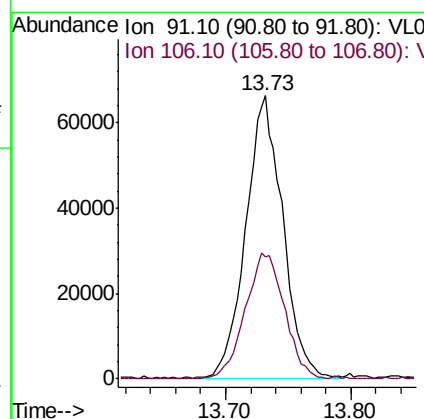
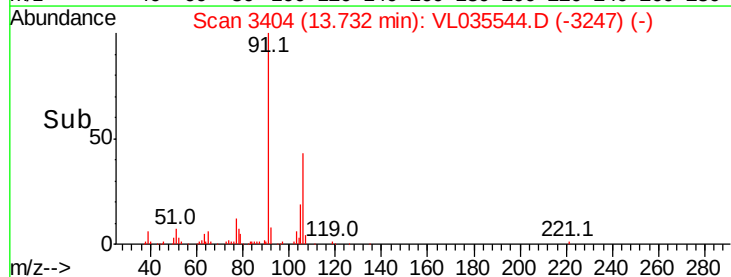
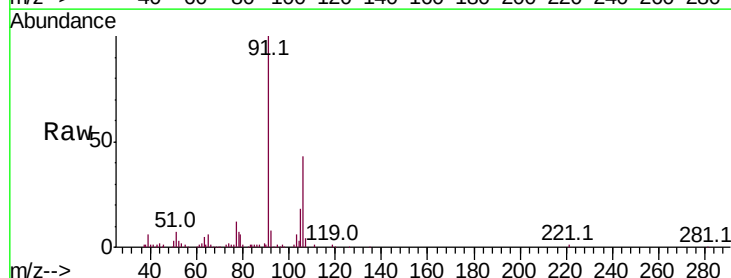
Manual Integrations
APPROVED

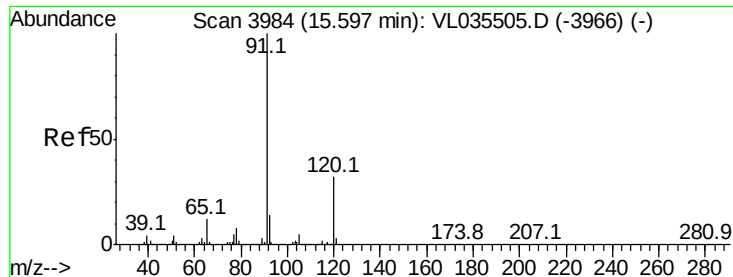
MMDadoda
9/8/2020 5:13:00 PM



#60
o-Xylene
Concen: 0.350 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	48.2	25.8	77.4





#64

n-propylbenzene

Concen: 0.096 ppbv m

RT: 15.61 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampled :

IA-6

Tot Ion:120 Resp: 18065

Ion Ratio Lower Upper

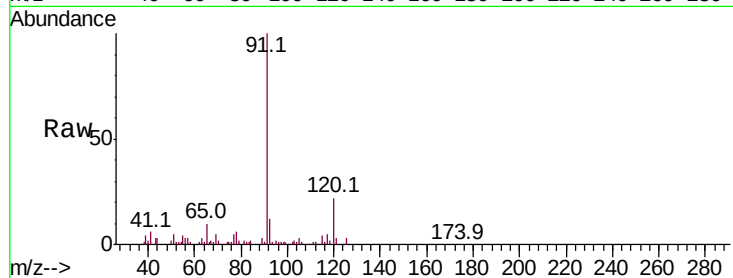
120 100

91 441.9 279.4 419.0#

Manual Integrations
APPROVED

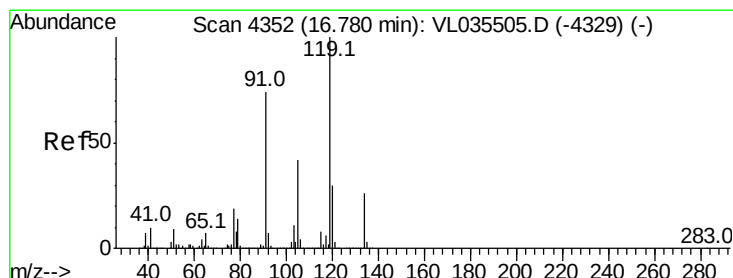
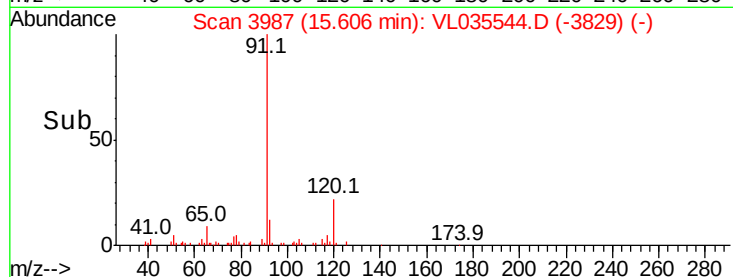
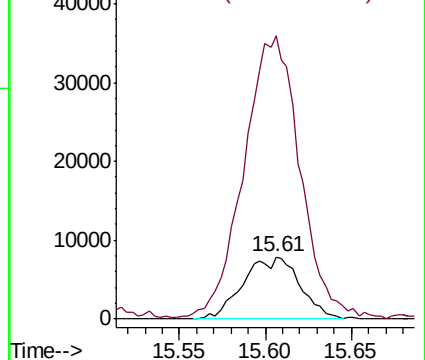
MMDadoda

9/8/2020 5:13:00 PM



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.126 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.02 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

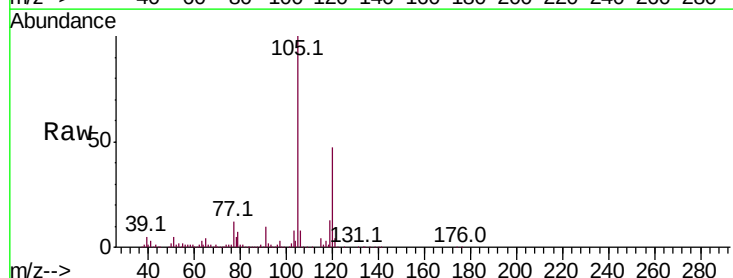
Tgt Ion:119 Resp: 72341

Ion Ratio Lower Upper

119 100

91 87.4 58.6 87.8

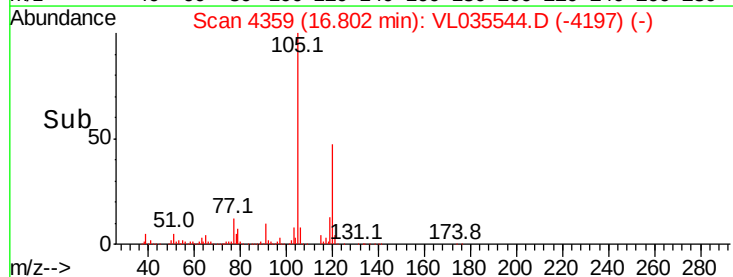
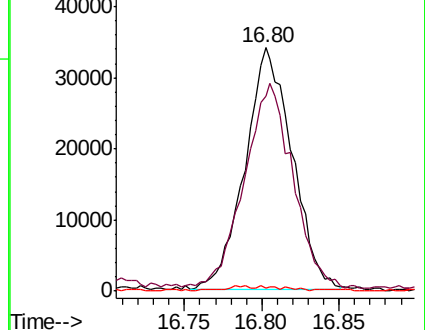
134 3.0 18.9 28.3#

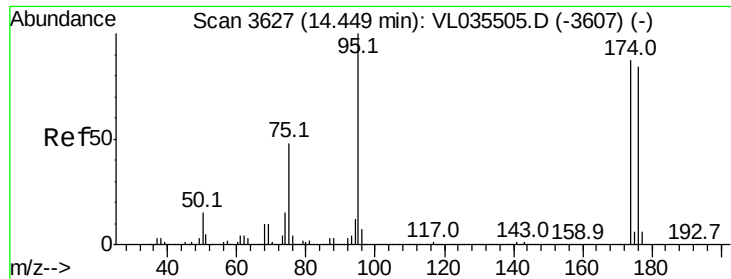


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





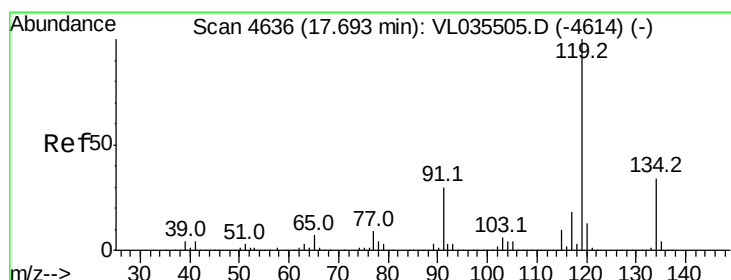
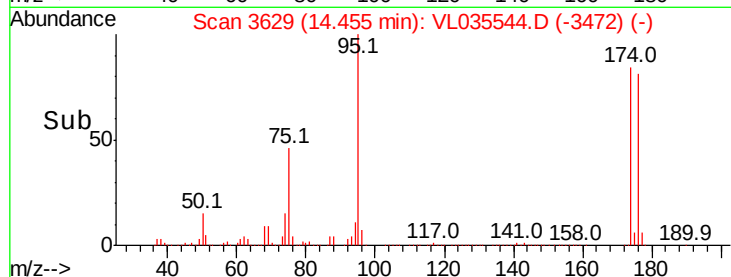
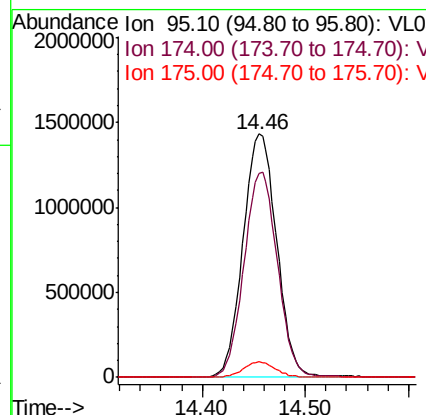
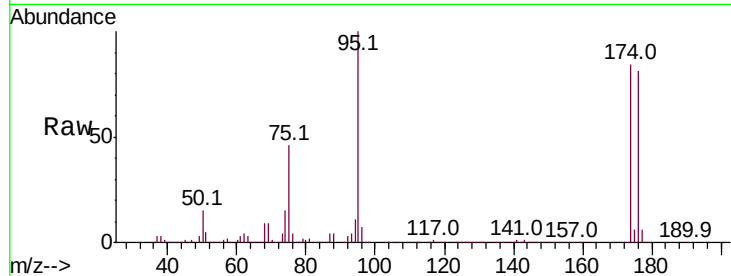
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.369 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: VL035544.D
 Acq: 3 Sep 2020 23:51

Instrument :
 MSVOA_L
 ClientSampled :
 IA-6

Tot Ion: 95 Resp: 3255744
 Ion Ratio Lower Upper
 95 100
 174 84.4 69.6 104.4
 175 6.1 5.1 7.7

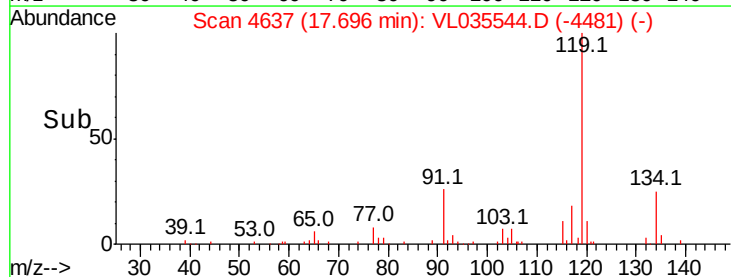
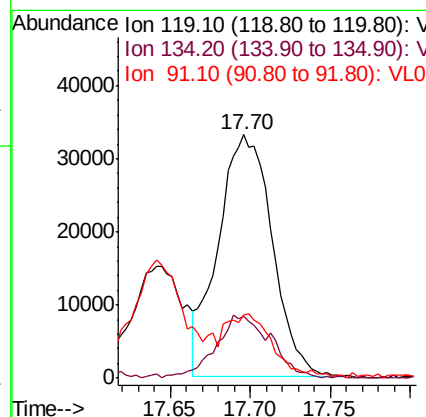
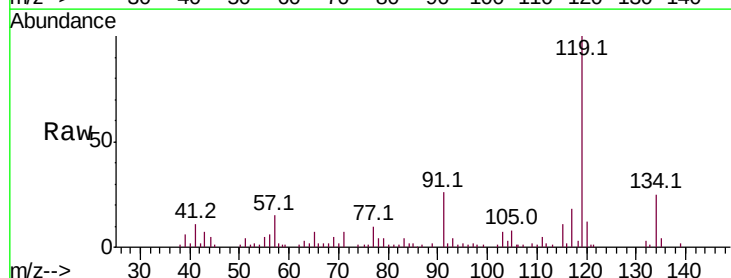
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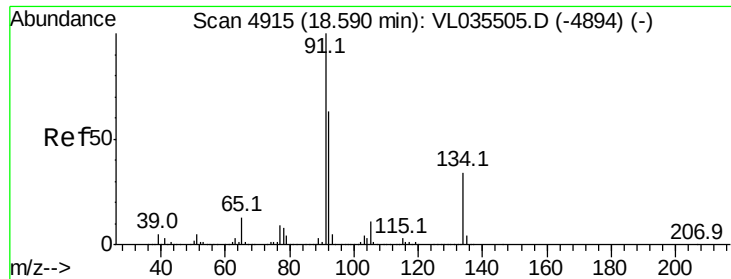
MMDadoda
 9/8/2020 5:13:00 PM



#69
 p-Isopropyltoluene
 Concen: 0.114 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.00 min
 Lab File: VL035544.D
 Acq: 3 Sep 2020 23:51

Tgt Ion: 119 Resp: 76414
 Ion Ratio Lower Upper
 119 100
 134 26.9 25.0 37.4
 91 22.5 22.3 33.5





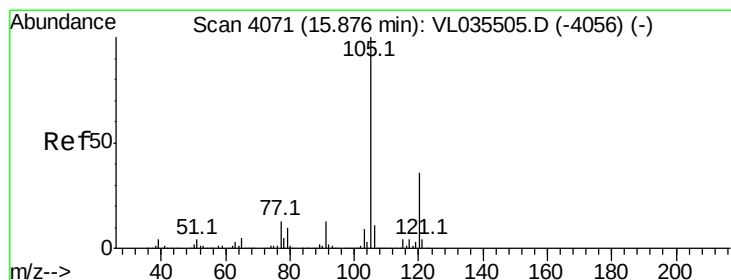
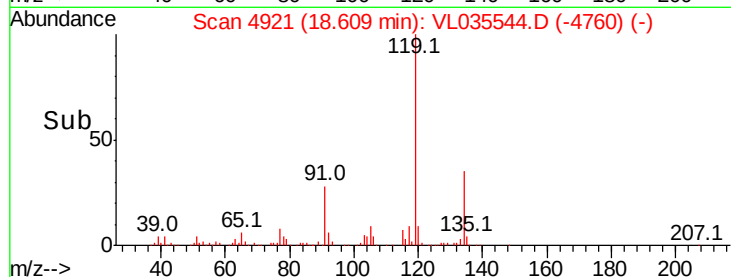
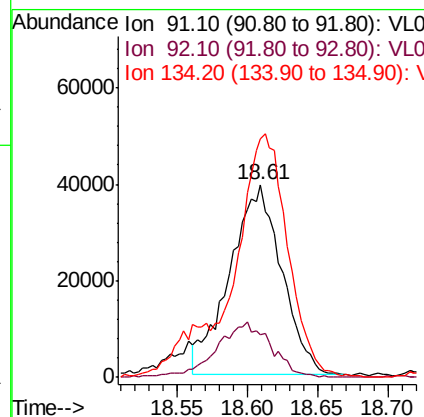
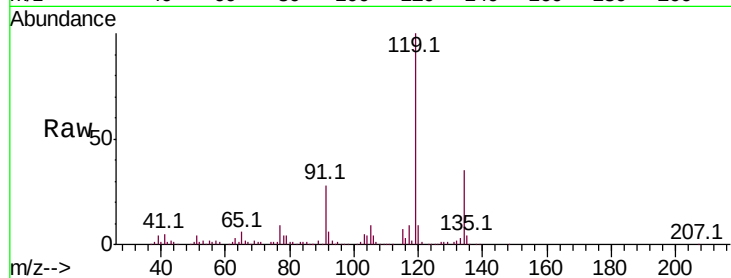
#70
n-Butylbenzene
Concen: 0.157 ppbv
RT: 18.61 min Scan# 4921
Delta R.T. 0.02 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Instrument :
MSVOA_L
ClientSampled :
IA-6

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	30.7		47.3	70.9#
134	139.0		24.6	37.0#

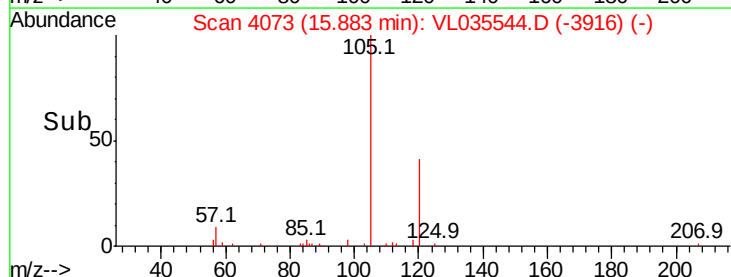
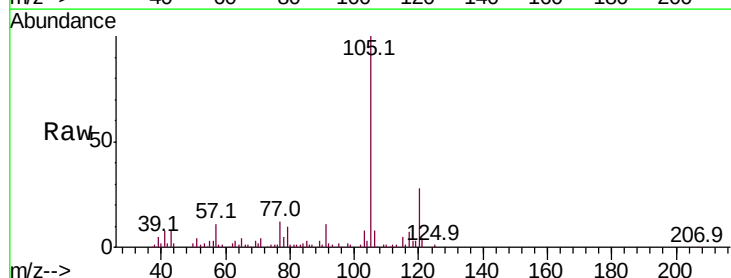
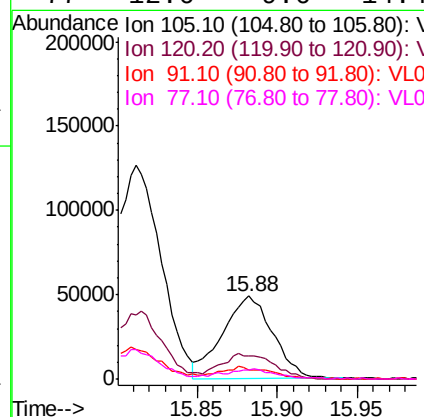
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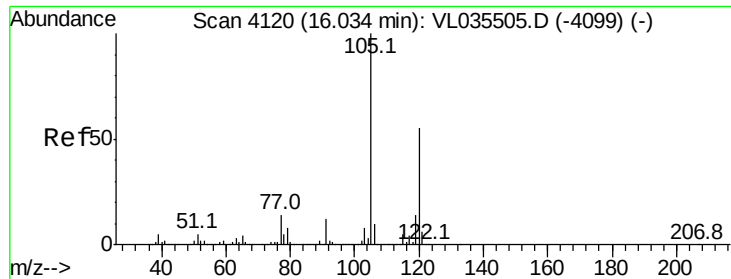
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9/8/2020 5:13:00 PM



#72
4-Ethyltoluene
Concen: 0.215 ppbv
RT: 15.88 min Scan# 4073
Delta R.T. 0.01 min
Lab File: VL035544.D
Acq: 3 Sep 2020 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	32.6		27.4	41.2
91	14.9		9.7	14.5#
77	12.6		9.6	14.4





#73

1,3,5-Trimethylbenzene

Concen: 0.437 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

ClientSampled :

IA-6

Tot Ion:105 Resp: 197235

Ion Ratio Lower Upper

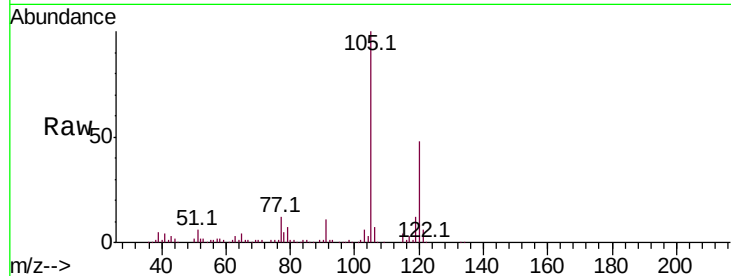
105 100

120 48.3 44.2 66.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.04

100000

80000

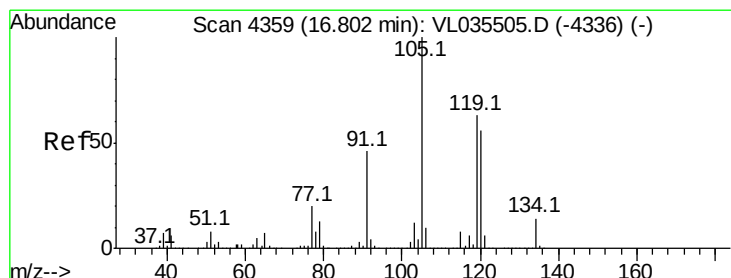
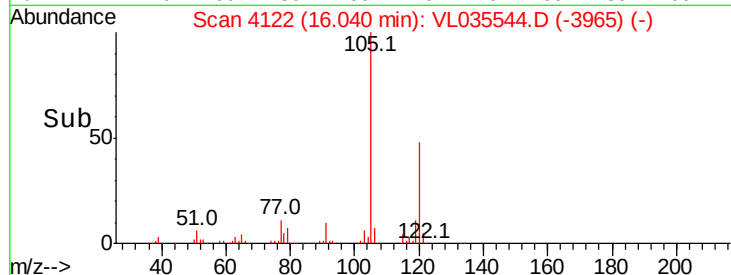
60000

40000

20000

0

Time--> 15.95 16.00 16.05 16.10



#74

1,2,4-Trimethylbenzene

Concen: 1.200 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Tgt Ion:105 Resp: 594384

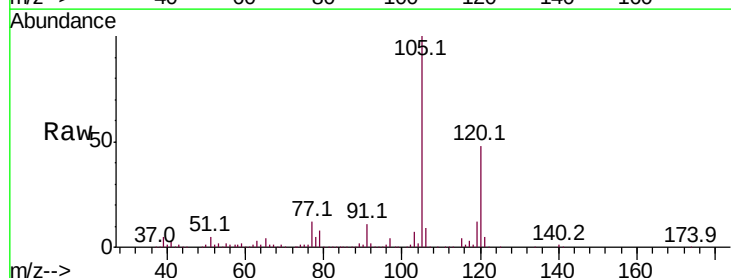
Ion Ratio Lower Upper

105 100

120 47.7 44.4 66.6

91 10.5 37.1 55.7#

77 11.9 16.0 24.0#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

400000

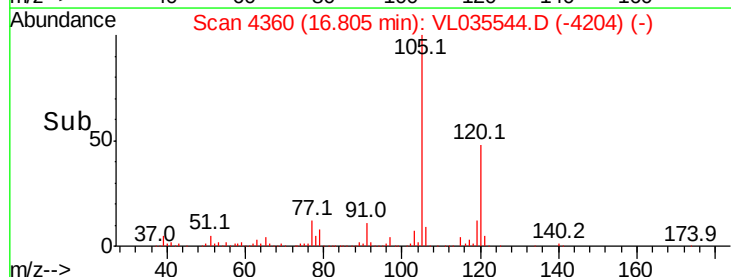
300000

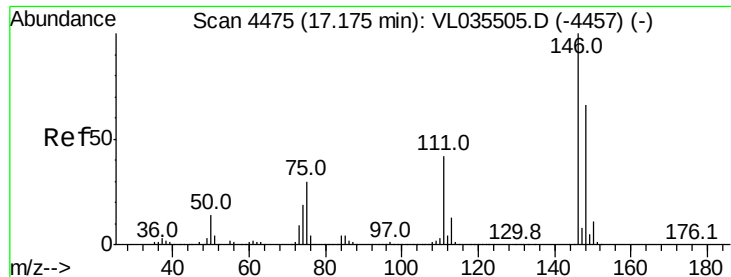
200000

100000

0

Time--> 16.70 16.75 16.80 16.85





#76

1,4-Dichlorobenzene

Concen: 0.364 ppbv

RT: 17.18 min Scan# 4478

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Instrument :

MSVOA_L

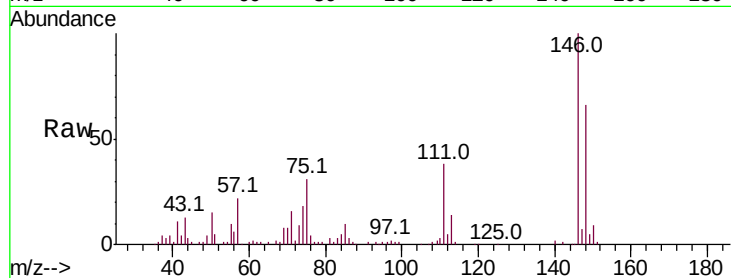
ClientSampled :

IA-6

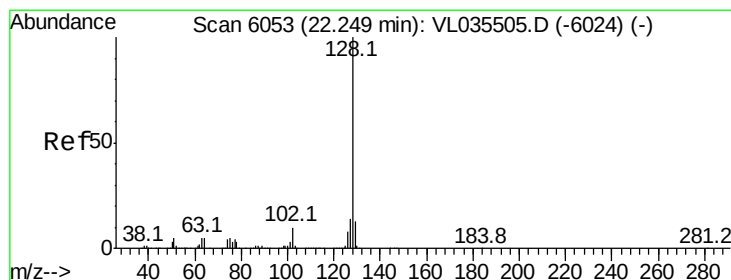
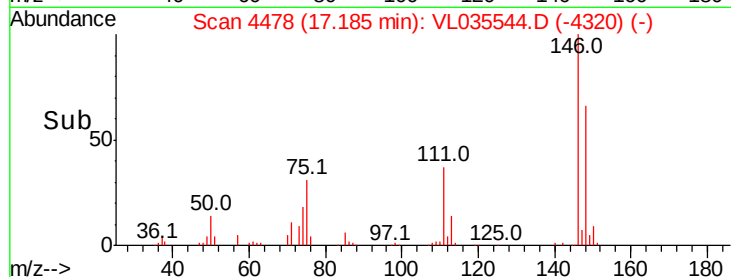
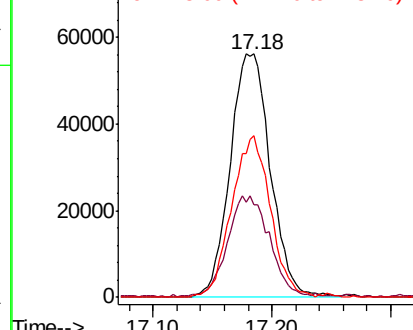
Tot Ion:	146	Resp:	131653
Ion Ratio	Lower	Upper	
146	100		
111	45.0	20.0	60.0
148	64.4	33.2	99.6

Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#79

Naphthalene

Concen: 1.803 ppbv

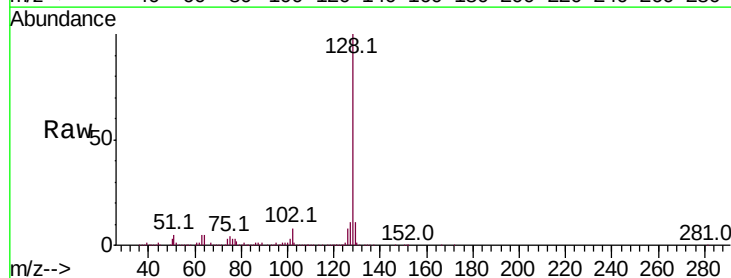
RT: 22.26 min Scan# 6057

Delta R.T. 0.01 min

Lab File: VL035544.D

Acq: 3 Sep 2020 23:51

Tgt Ion:	128	Resp:	991103
Ion Ratio	Lower	Upper	
128	100		
127	11.5	11.4	17.2
129	11.5	10.5	15.7



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

