

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035558.D
 Acq On : 8 Sep 2020 16:07
 Operator : SY/AP
 Sample : L3936-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 01-OFF

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:45:21 AM

Quant Time: Sep 09 02:59:01 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	5.66	49	990479	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4232362	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4239176	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3203857	10.64	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	52643	0.307	ppbv	98
3) Chlorodifluoromethane	2.98	51	64206m	0.586	ppbv	
4) Chloromethane	3.13	50	36971	0.630	ppbv	97
5) Vinyl Chloride	3.25	62	3657	0.051	ppbv #	87
9) Propene	3.01	41	641970	15.201	ppbv #	71
10) Heptane	8.12	43	105737	0.932	ppbv	96
11) Trichlorofluoromethane	3.94	101	79746	0.319	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	23738	0.126	ppbv	97
13) Ethanol	3.63	45	15680396	1497.513	ppbv	92
15) Acetone	3.84	43	2294991	21.009	ppbv	99
17) tert-Butyl alcohol	4.34	59	138515	1.042	ppbv	100
19) Isopropyl Alcohol	4.02	45	775948	11.907	ppbv #	1
20) Methylene Chloride	4.34	84	552227	6.787	ppbv	97
26) Hexane	5.68	57	222206	2.032	ppbv #	80
27) Carbon Disulfide	4.54	76	41267	0.263	ppbv #	90
29) Chloroform	5.75	83	79569	0.357	ppbv	97
30) Cyclohexane	7.13	84	29227	0.250	ppbv #	27
32) 1,1,1-Trichloroethane	6.51	97	9470m	0.044	ppbv	
34) 2-Butanone	5.24	43	204446	1.628	ppbv	97
35) Carbon Tetrachloride	7.02	117	23501m	0.110	ppbv	
36) Benzene	6.89	78	154138	0.563	ppbv	94
38) Trichloroethene	7.84	130	11348	0.071	ppbv #	79
41) Tetrahydrofuran	6.05	42	37604m	0.565	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	286395	0.794	ppbv #	87
50) 4-Methyl-2-Pentanone	8.75	43	133054	0.732	ppbv #	85
52) Tetrachloroethene	11.23	164	34247m	0.214	ppbv	
53) Toluene	9.81	91	6472649	18.787	ppbv	95
58) Ethyl Benzene	12.72	91	420116	0.961	ppbv	89
59) m/p-Xylene	12.98	91	1348999	3.693	ppbv	97
60) o-Xylene	13.70	91	454396	1.235	ppbv	96
61) Styrene	13.54	104	123487	0.439	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	18224m	0.064	ppbv	
64) n-propylbenzene	15.57	120	38921	0.216	ppbv #	65
65) tert-Butylbenzene	16.77	119	108317m	0.197	ppbv	
69) p-Isopropyltoluene	17.67	119	77533	0.121	ppbv	95
70) n-Butylbenzene	18.57	91	67771m	0.110	ppbv	
72) 4-Ethyltoluene	15.85	105	197137	0.421	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.01	105	189669	0.438	ppbv	90
74) 1,2,4-Trimethylbenzene	16.78	105	646139	1.360	ppbv #	72
76) 1,4-Dichlorobenzene	17.15	146	59314m	0.171	ppbv	
78) Hexachloro-1,3-Butadiene	23.40	225	21712m	0.100	ppbv	

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Quant Time: Sep 09 02:59:01 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 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)
79) Naphthalene	22.23	128	102691	0.195	ppbv #	90
80) Naphthalene,2-methyl-	24.99	142	20056	0.111	ppbv #	94

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

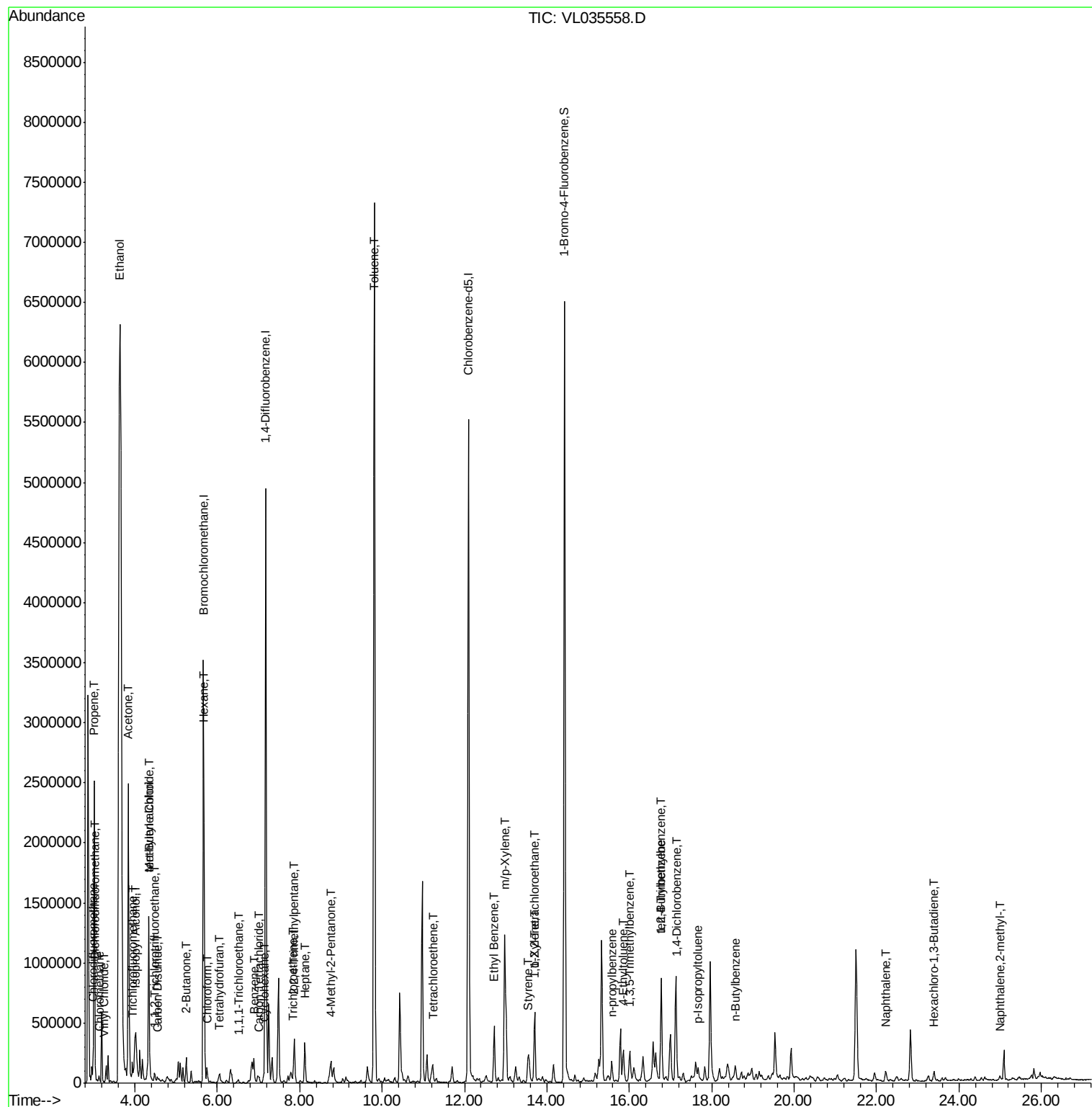
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090820\
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Acq On : 8 Sep 2020 16:07
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QLast Update : Thu Aug 27 06:46:28 2020
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Instrument :

MSVOA_L

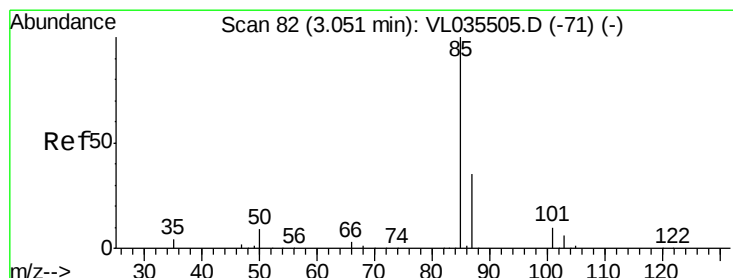
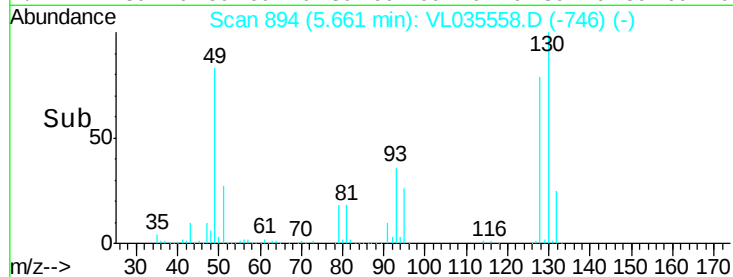
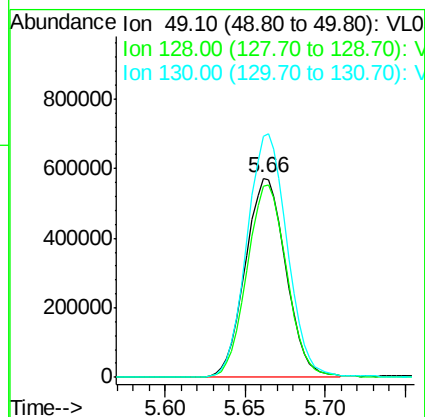
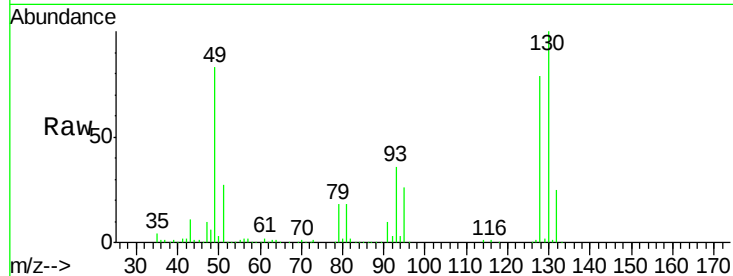
ClientSampleId :

01-OFF

Tot Ion: 49 Resp: 990479
 Ion Ratio Lower Upper
 49 100
 128 95.6 50.0 150.1
 130 122.7 64.4 193.2

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#2

Dichlorodifluoromethane

Concen: 0.307 ppbv

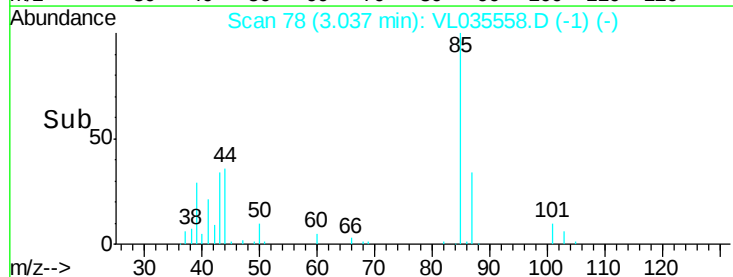
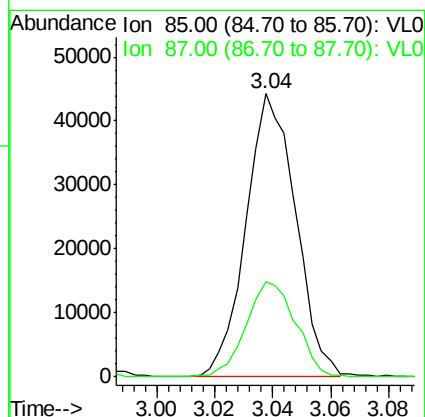
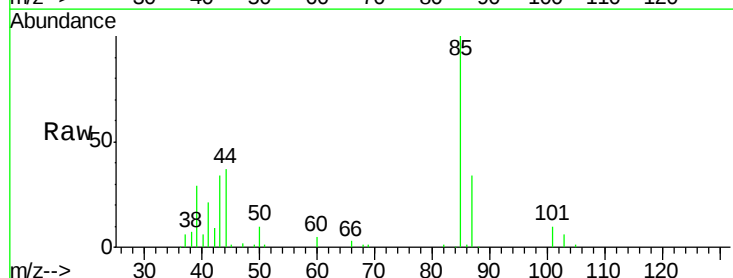
RT: 3.04 min Scan# 78

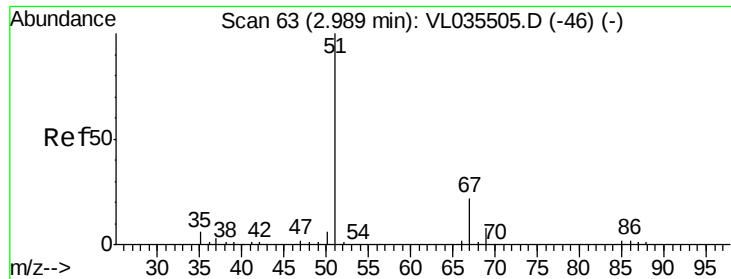
Delta R.T. -0.01 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Tgt Ion: 85 Resp: 52643
 Ion Ratio Lower Upper
 85 100
 87 33.7 28.0 42.0





#3

Chlorodifluoromethane

Concen: 0.586 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

01-OFF

Tot Ion: 51 Resp: 64206

Ion Ratio Lower Upper

51 100

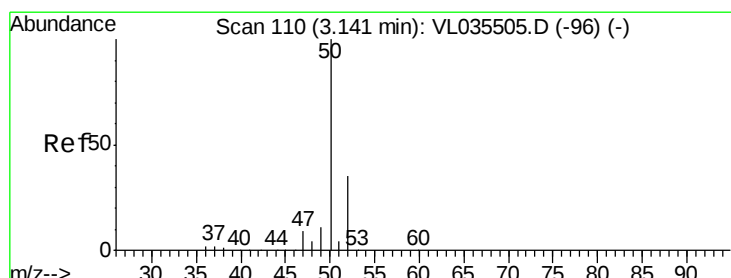
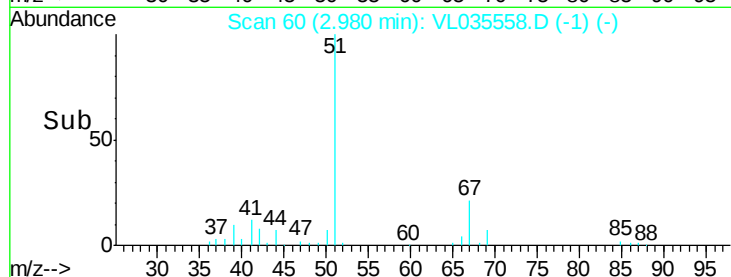
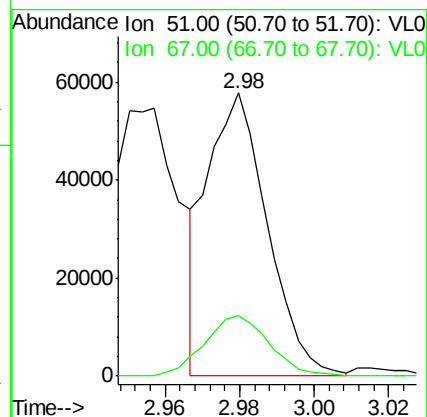
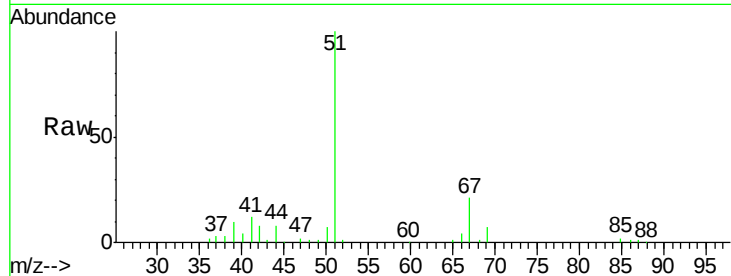
67 23.3 17.8 26.8

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#4

Chloromethane

Concen: 0.630 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL035558.D

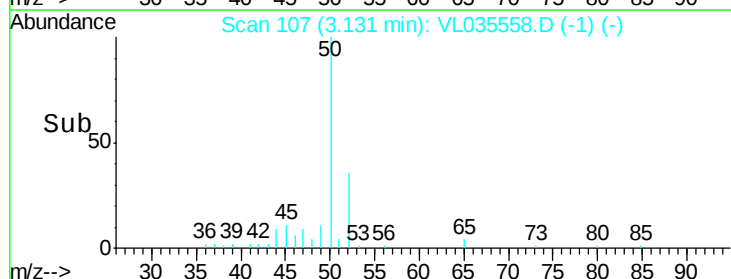
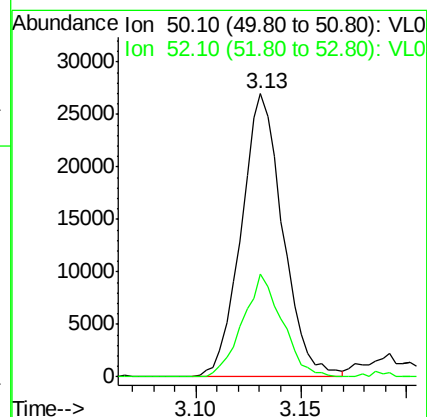
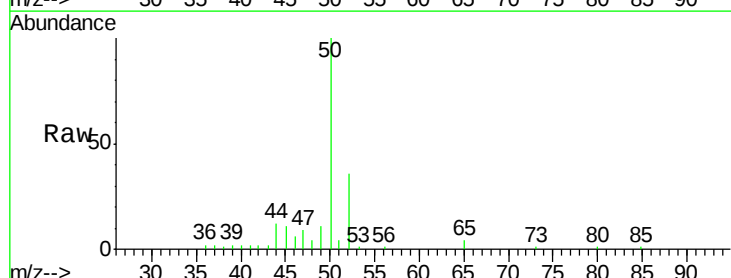
Acq: 8 Sep 2020 16:07

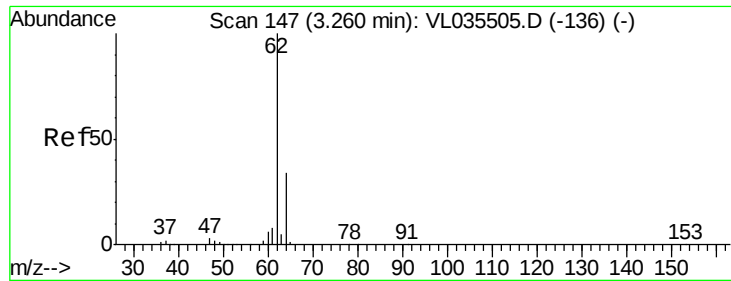
Tgt Ion: 50 Resp: 36971

Ion Ratio Lower Upper

50 100

52 36.5 27.7 41.5





#5

Vinyl Chloride

Concen: 0.051 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

01-OFF

Tot Ion: 62 Resp: 3657

Ion Ratio Lower Upper

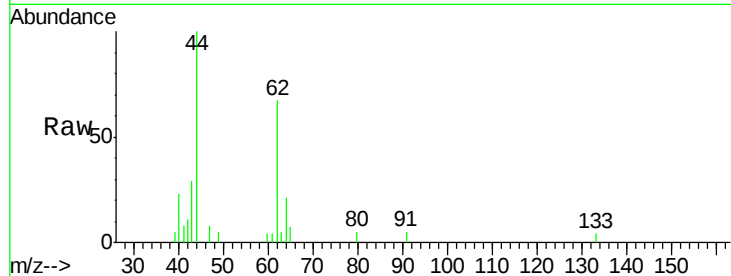
62 100

64 41.8 27.4 41.2#

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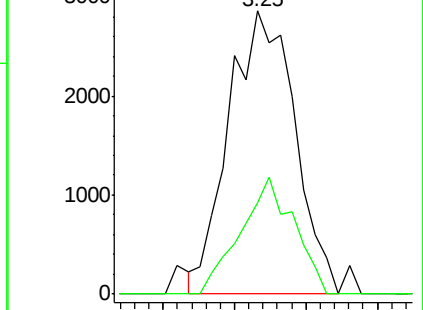
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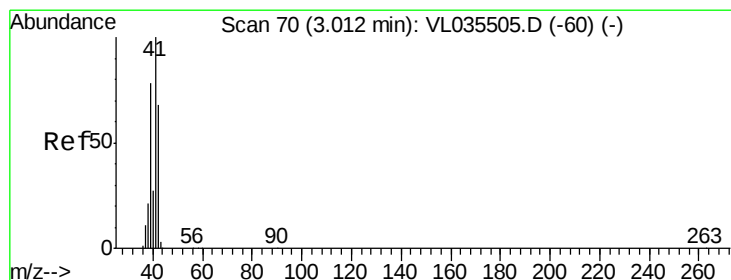
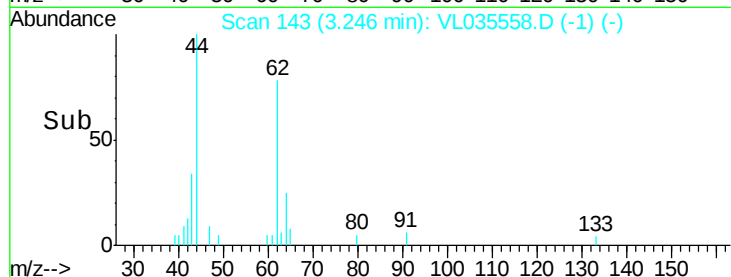


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#9

Propene

Concen: 15.201 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL035558.D

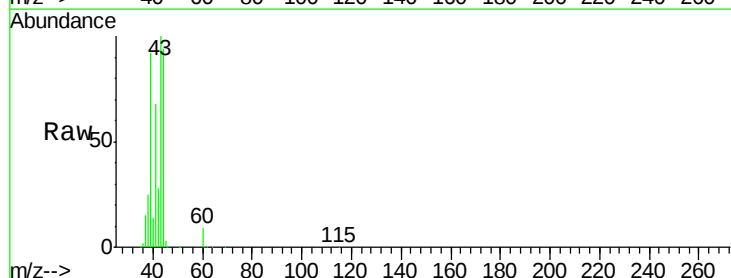
Acq: 8 Sep 2020 16:07

Tgt Ion: 41 Resp: 641970

Ion Ratio Lower Upper

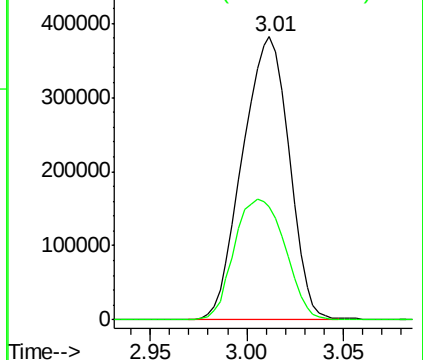
41 100

42 46.9 56.3 84.5#

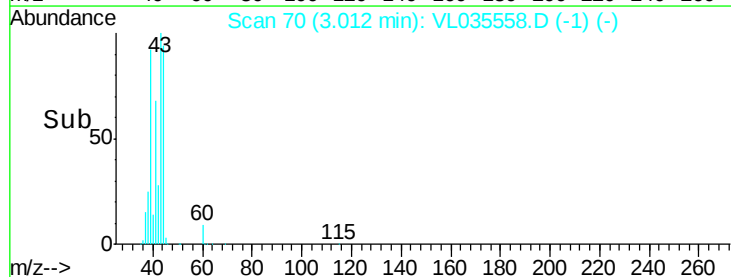


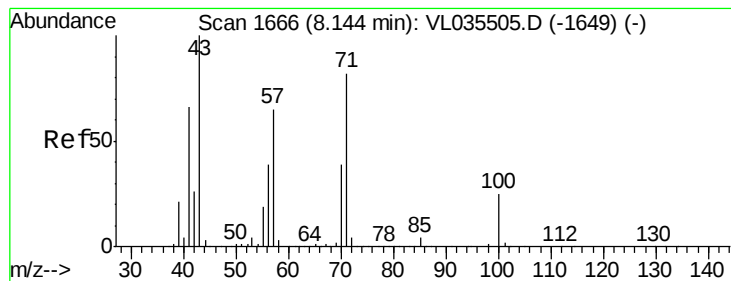
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



Time-->





#10

Heptane

Concen: 0.932 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.02 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Instrument :

MSVOA_L

ClientSampled :

01-OFF

Tot Ion: 43 Resp: 105737

Ion Ratio Lower Upper

43 100

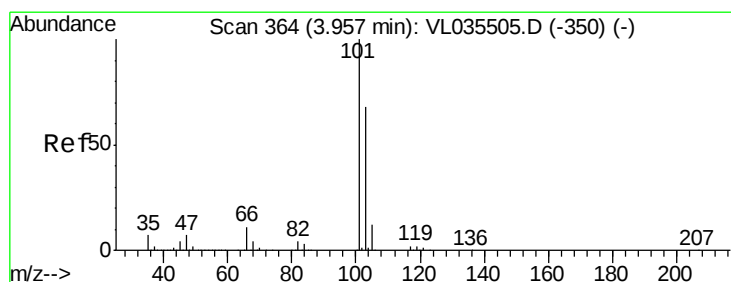
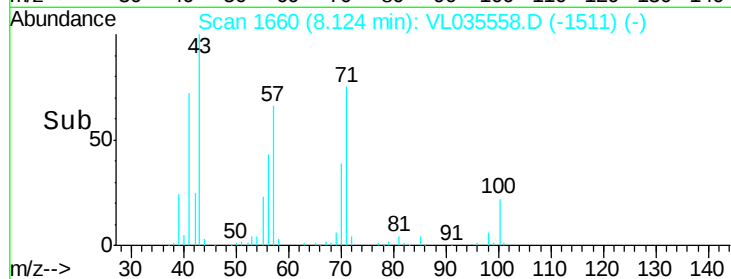
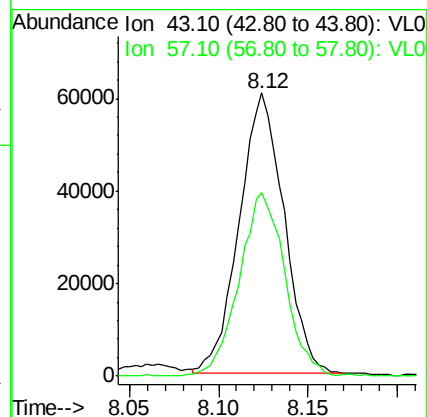
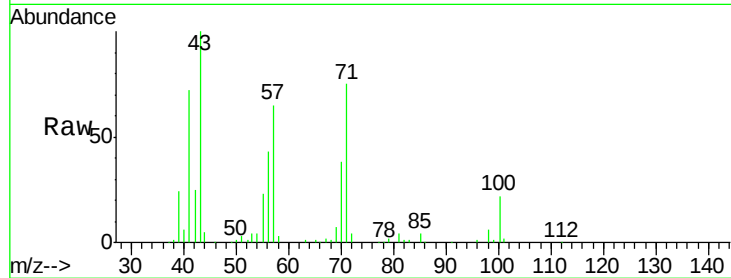
57 67.3 51.4 77.0

Manual Integrations

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#11

Trichlorofluoromethane

Concen: 0.319 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.02 min

Lab File: VL035558.D

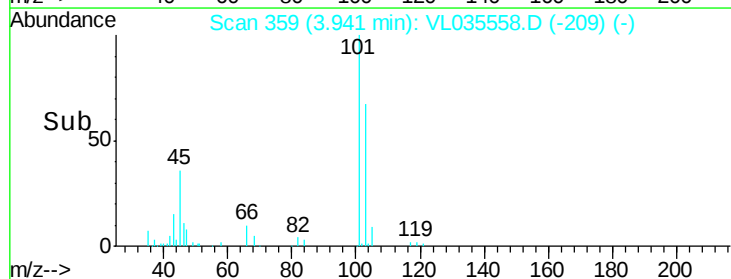
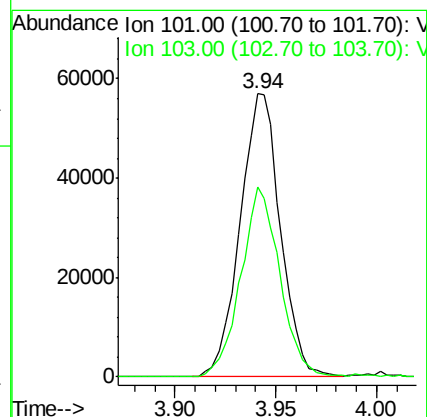
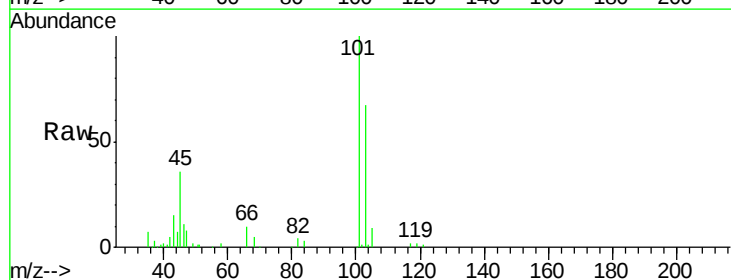
Acq: 8 Sep 2020 16:07

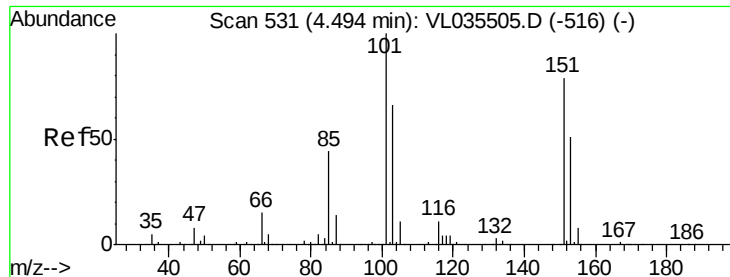
Tgt Ion: 101 Resp: 79746

Ion Ratio Lower Upper

101 100

103 67.1 54.5 81.7





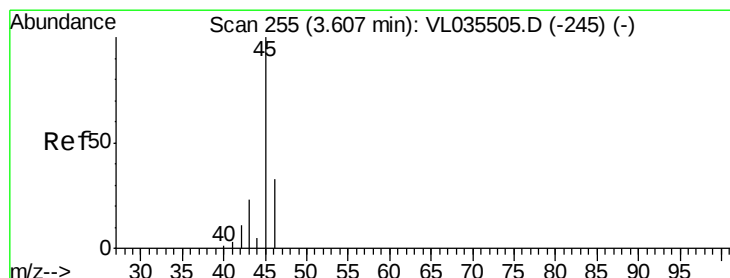
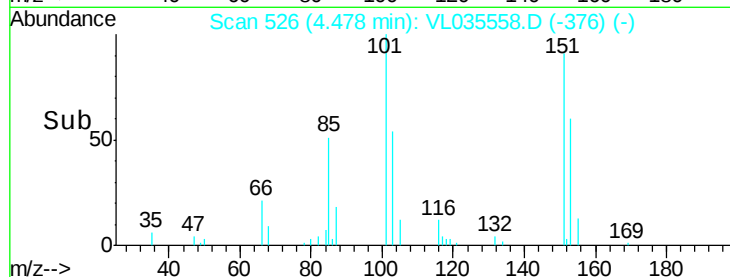
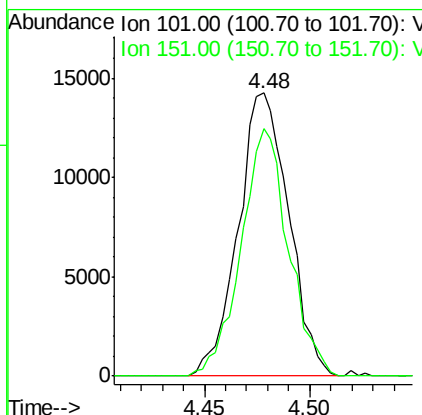
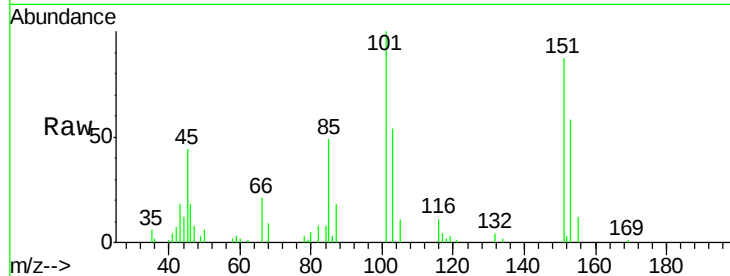
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.126 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.02 min
 Lab File: VL035558.D
 Acq: 8 Sep 2020 16:07

Instrument :
 MSVOA_L
 ClientSampleId :
 01-OFF

Tot Ion:101 Resp: 23738
 Ion Ratio Lower Upper
 101 100
 151 81.9 63.5 95.3

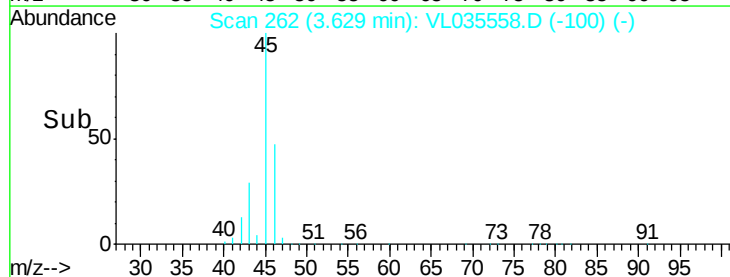
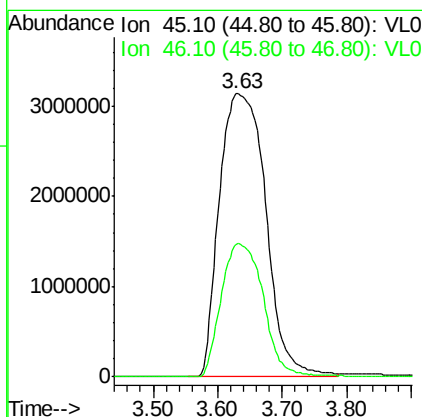
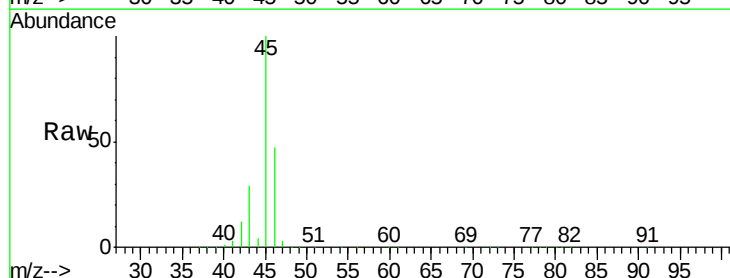
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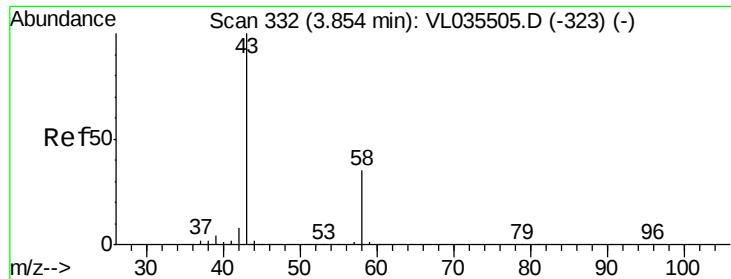
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#13
 Ethanol
 Concen: 1497.513 ppbv
 RT: 3.63 min Scan# 262
 Delta R.T. 0.02 min
 Lab File: VL035558.D
 Acq: 8 Sep 2020 16:07

Tgt Ion: 45 Resp:15680396
 Ion Ratio Lower Upper
 45 100
 46 42.9 15.2 60.6





#15

Acetone

Concen: 21.009 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

01-OFF

Tot Ion: 43 Resp: 2294991

Ion Ratio Lower Upper

43 100

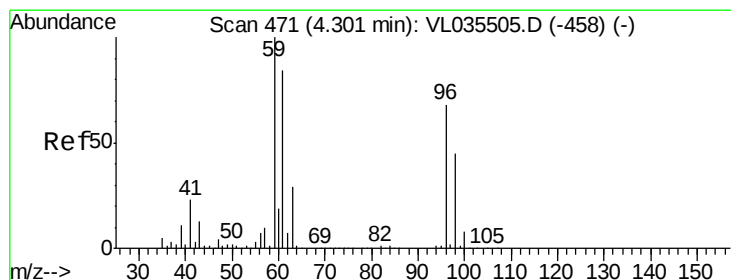
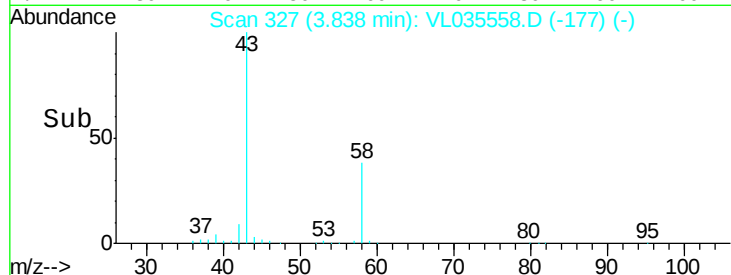
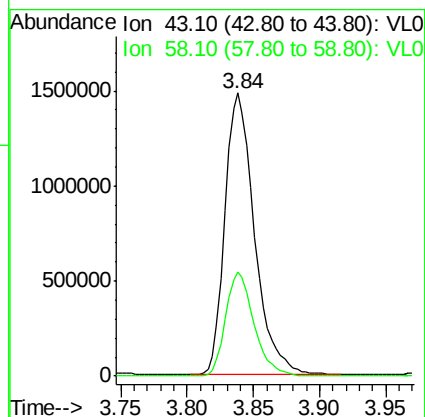
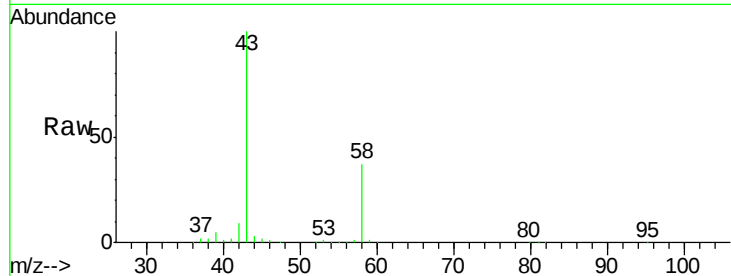
58 35.9 28.4 42.6

Manual Integrations

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#17

tert-Butyl alcohol

Concen: 1.042 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.04 min

Lab File: VL035558.D

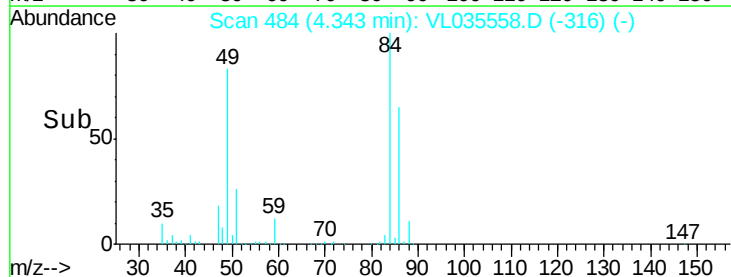
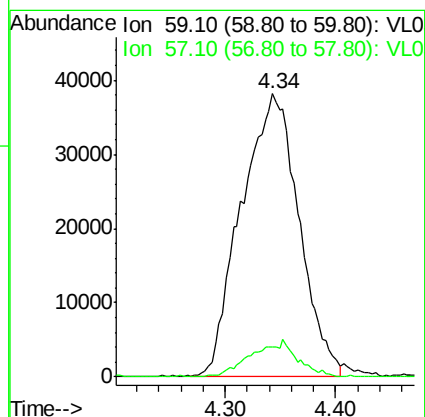
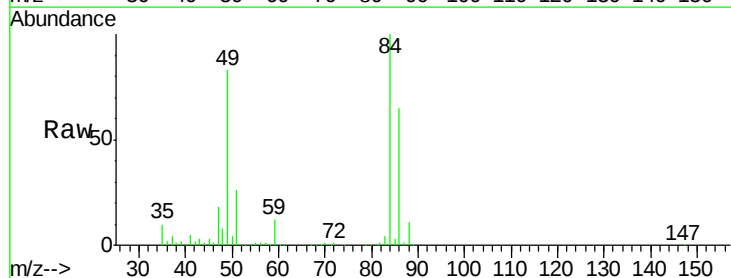
Acq: 8 Sep 2020 16:07

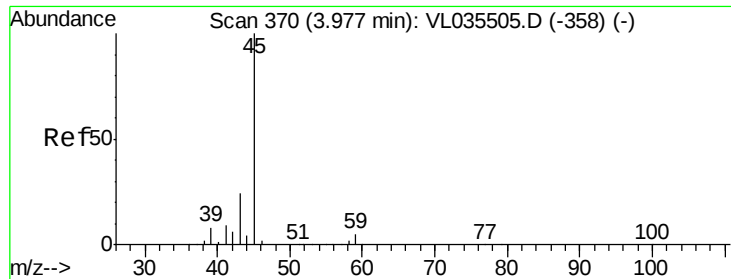
Tgt Ion: 59 Resp: 138515

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6





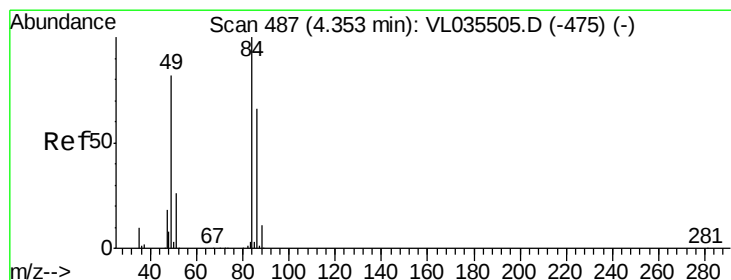
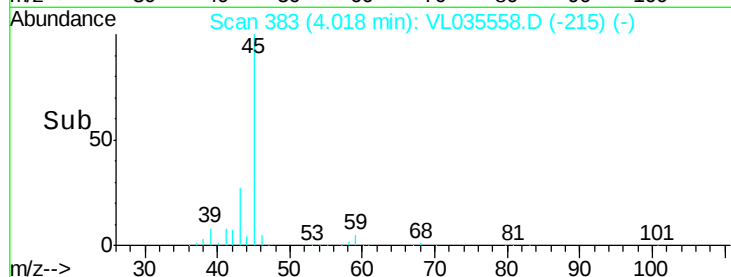
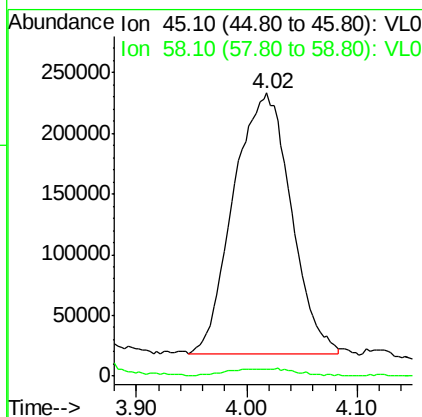
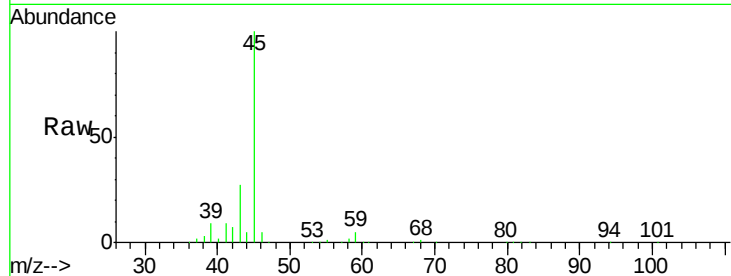
#19
Isopropyl Alcohol
Concen: 11.907 ppbv
RT: 4.02 min Scan# 383
Delta R.T. 0.04 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Instrument :
MSVOA_L
ClientSampled :
01-OFF

Tot Ion: 45 Resp: 775948
Ion Ratio Lower Upper
45 100
58 106.2 2.0 3.0#

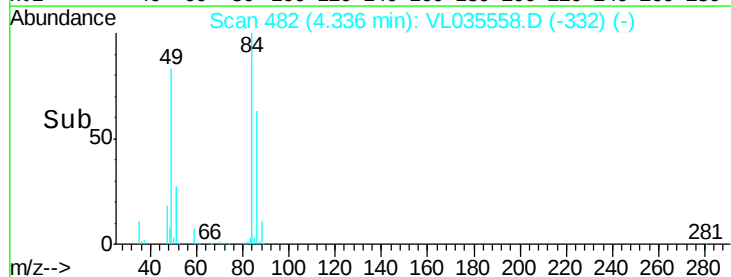
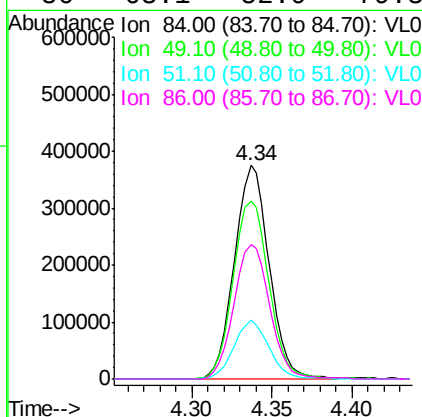
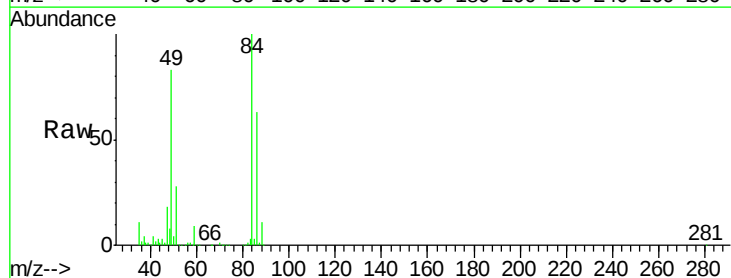
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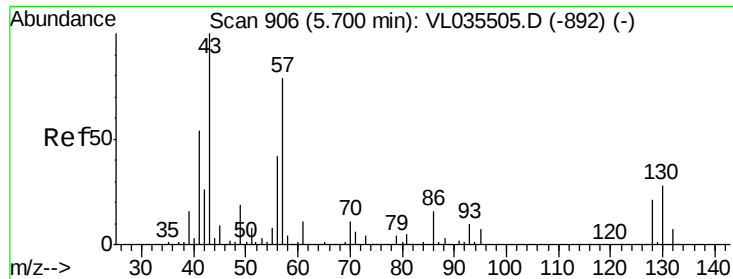
MMDadoda
9/10/2020 10:45:21 AM



#20
Methylene Chloride
Concen: 6.787 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.02 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Tgt Ion: 84 Resp: 552227
Ion Ratio Lower Upper
84 100
49 83.4 65.4 98.0
51 27.6 21.5 32.3
86 63.1 52.9 79.3





#26

Hexane

Concen: 2.032 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.02 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

01-OFF

Tot Ion: 57 Resp: 222206
Ion Ratio Lower Upper

57 100

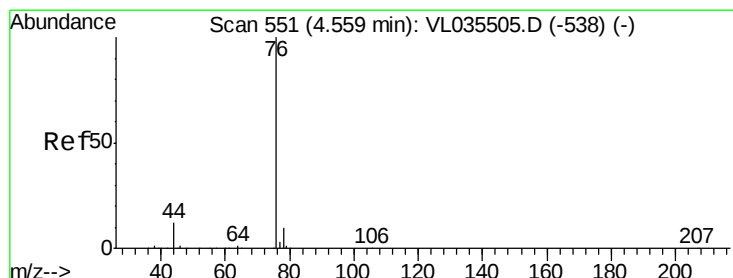
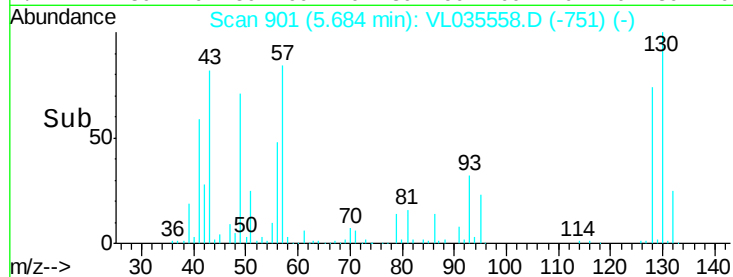
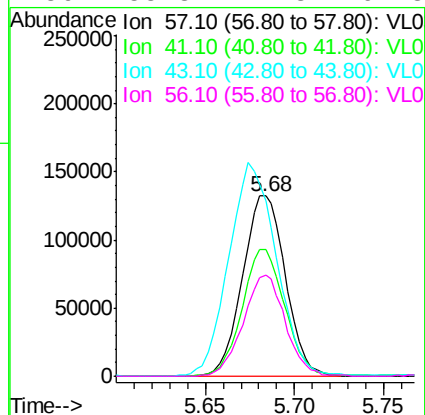
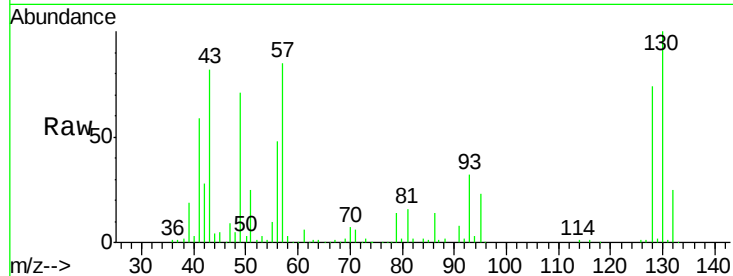
41 70.5 55.9 83.9

43 132.1 141.8 212.8#

56 55.3 41.8 62.8

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#27

Carbon Disulfide

Concen: 0.263 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.02 min

Lab File: VL035558.D

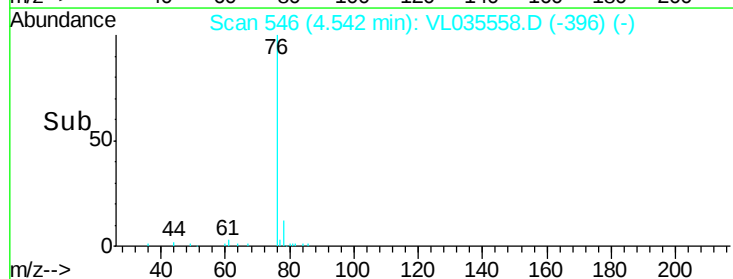
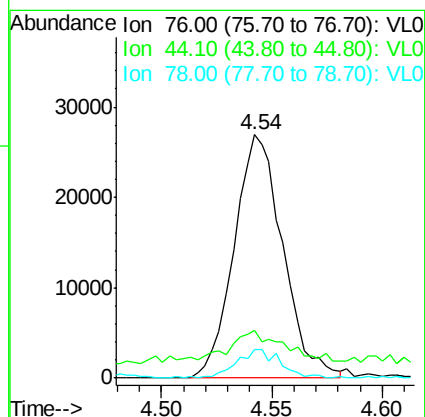
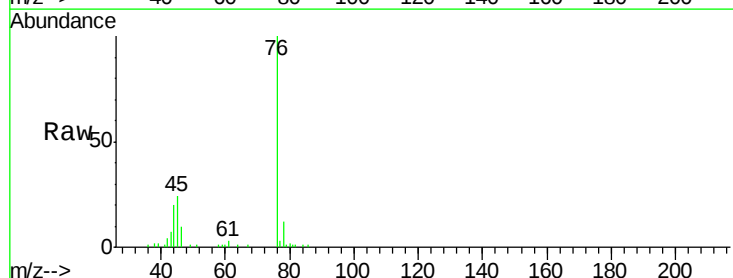
Acq: 8 Sep 2020 16:07

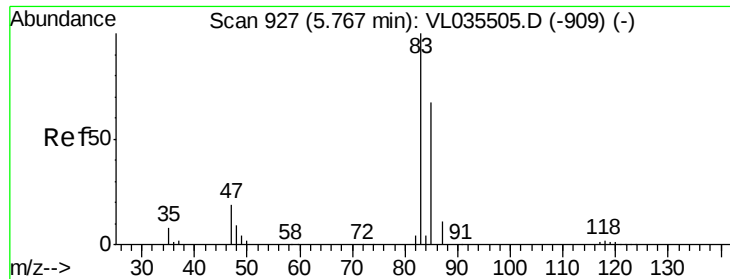
Tgt Ion: 76 Resp: 41267
Ion Ratio Lower Upper

76 100

44 17.6 9.3 13.9#

78 10.8 7.8 11.6





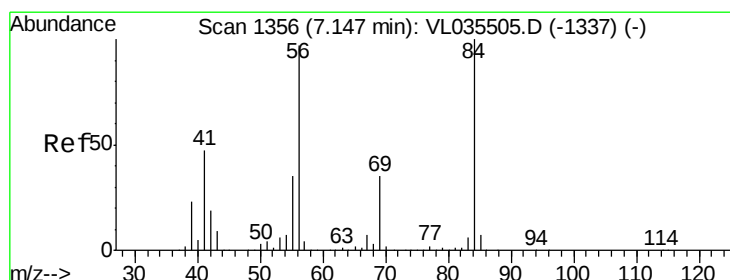
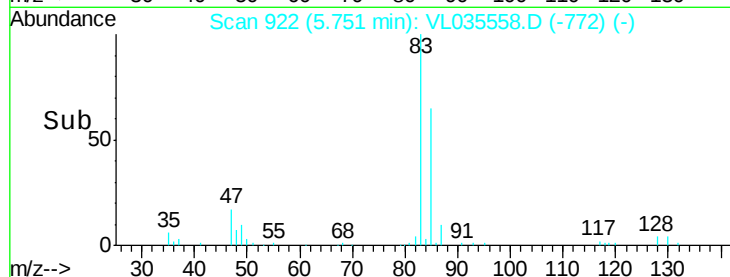
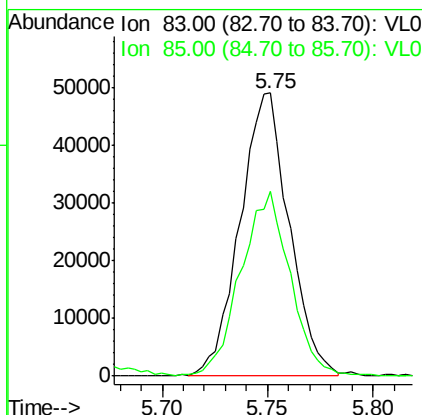
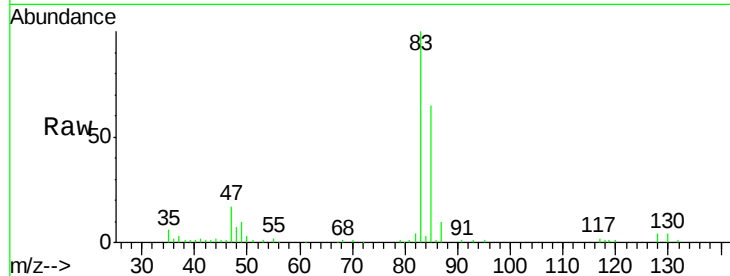
#29
Chloroform
Concen: 0.357 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.02 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Instrument :
MSVOA_L
ClientSampled :
01-OFF

Tot Ion	83	Resp	79569
Ion Ratio	100	Lower	Upper
85	64.9	53.9	80.9

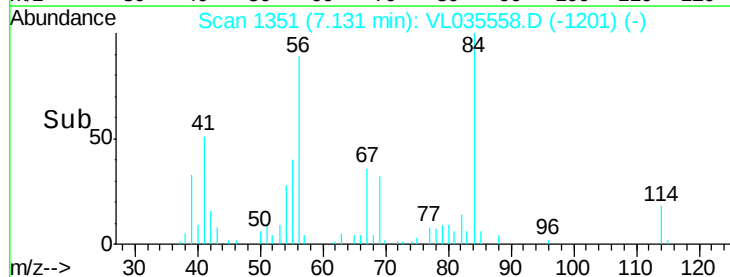
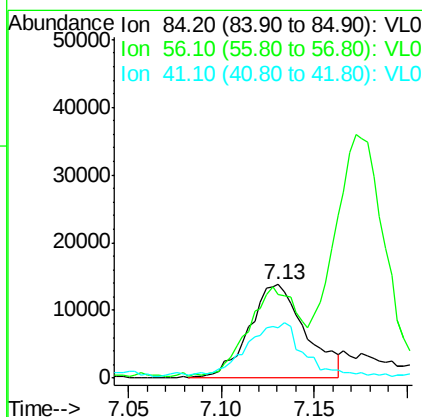
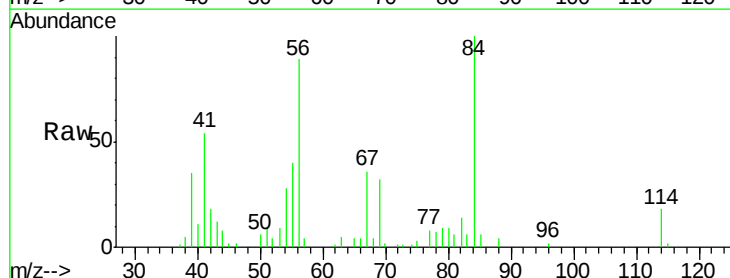
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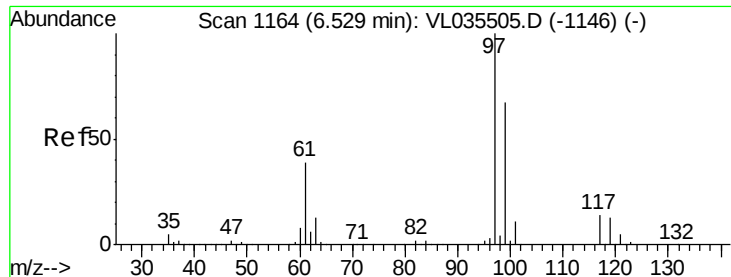
MMDadoda
9/10/2020 10:45:21 AM



#30
Cyclohexane
Concen: 0.250 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Tgt Ion	84	Resp	29227
Ion Ratio	100	Lower	Upper
56	0.0	80.1	120.1#
41	59.0	38.1	57.1#





#32

1,1,1-Trichloroethane

Concen: 0.044 ppbv m

RT: 6.51 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Instrument :

MSVOA_L

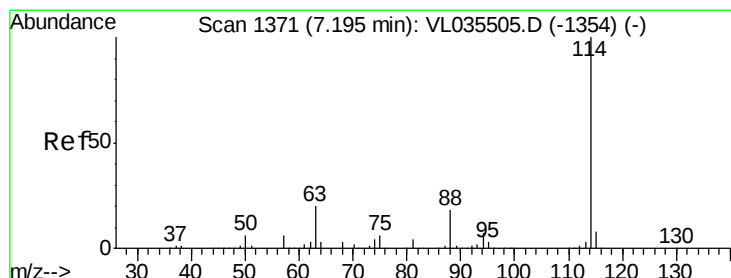
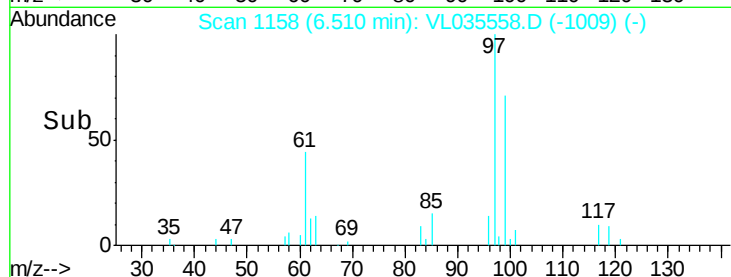
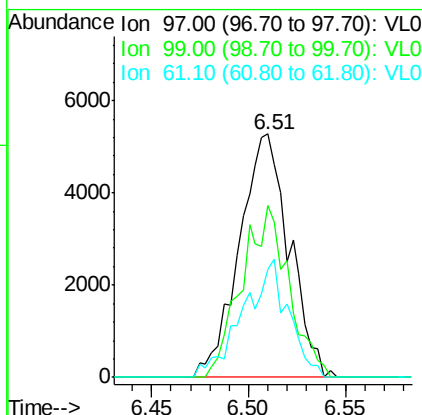
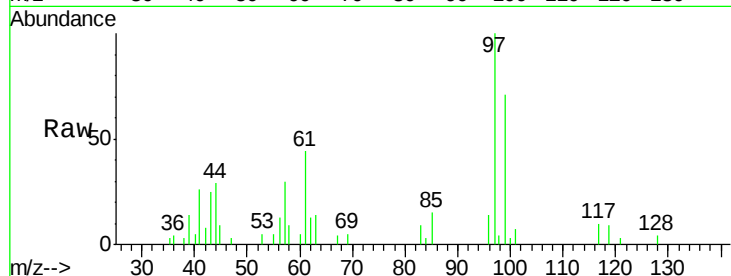
ClientSampled :

01-OFF

Tot Ion:	97	Resp:	9470
Ion	Ratio	Lower	Upper
97	100		
99	66.2	53.3	79.9
61	44.1	30.6	46.0

Manual Integrations
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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

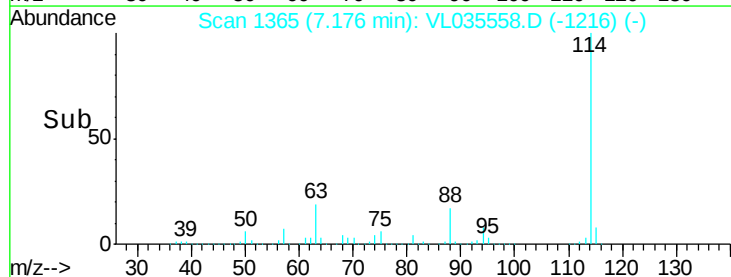
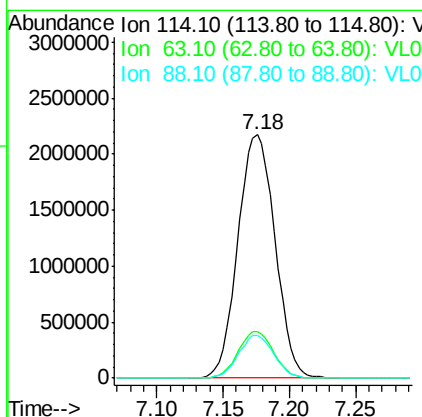
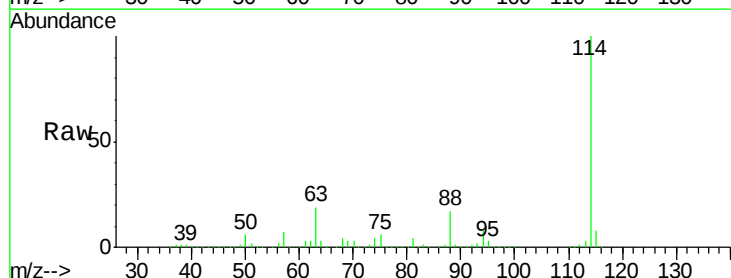
RT: 7.18 min Scan# 1365

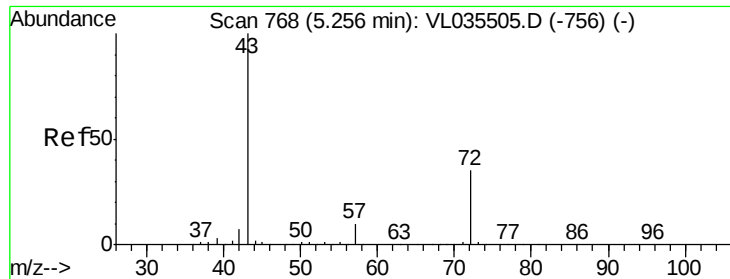
Delta R.T. -0.02 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Tgt Ion:	114	Resp:	4232362
Ion	Ratio	Lower	Upper
114	100		
63	18.5	14.7	22.1
88	16.7	13.4	20.2





#34

2-Butanone

Concen: 1.628 ppbv

RT: 5.24 min Scan# 764

Delta R.T. -0.01 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Instrument :

MSVOA_L

ClientSampled :

01-OFF

Tot Ion: 43 Resp: 204446

Ion Ratio Lower Upper

43 100

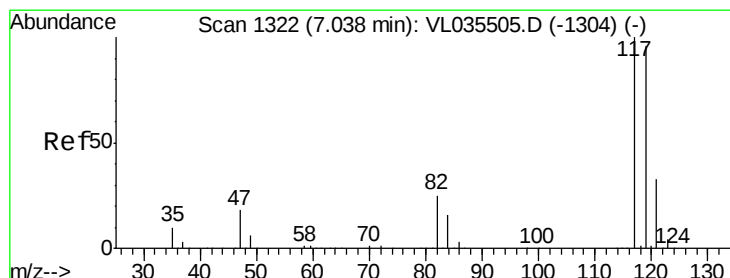
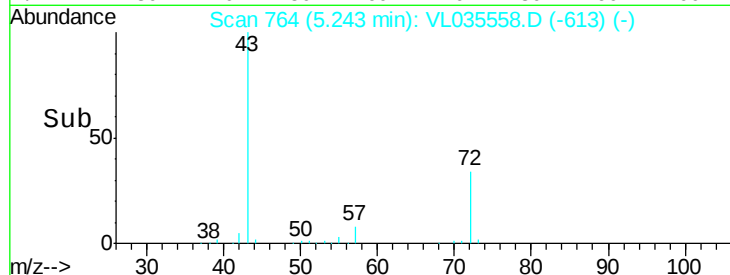
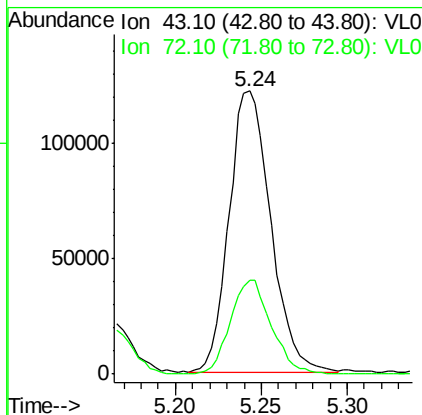
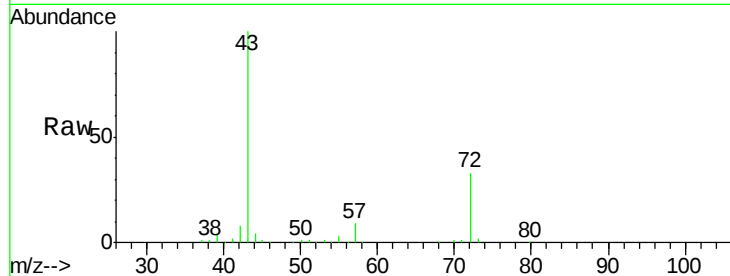
72 33.1 27.7 41.5

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#35

Carbon Tetrachloride

Concen: 0.110 ppbv m

RT: 7.02 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

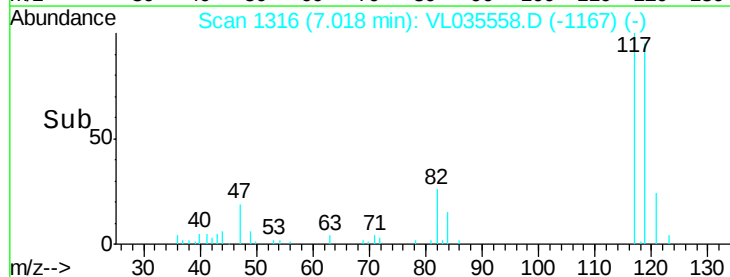
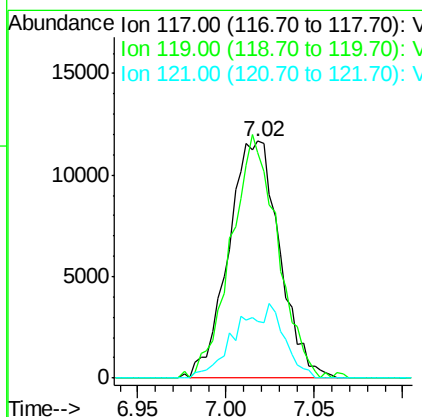
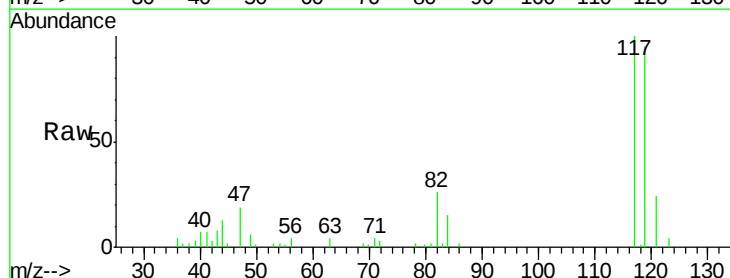
Tgt Ion: 117 Resp: 23501

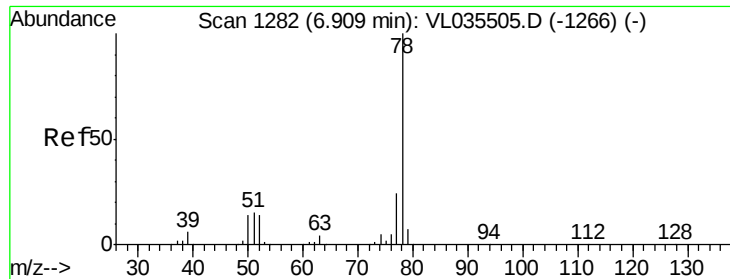
Ion Ratio Lower Upper

117 100

119 95.2 77.2 115.8

121 24.2 26.1 39.1#





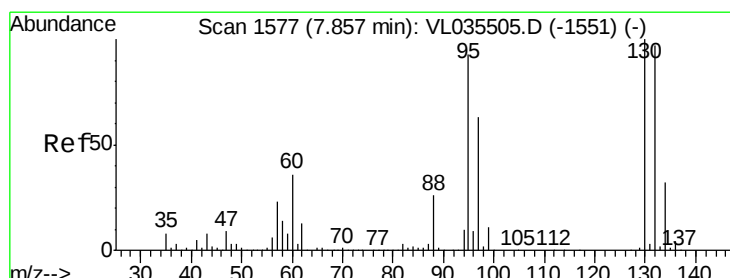
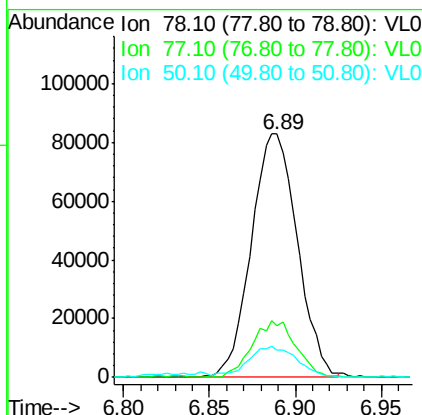
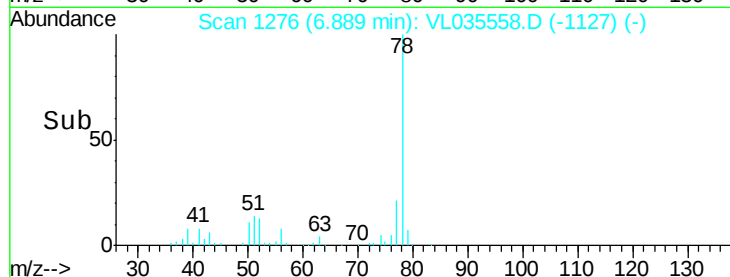
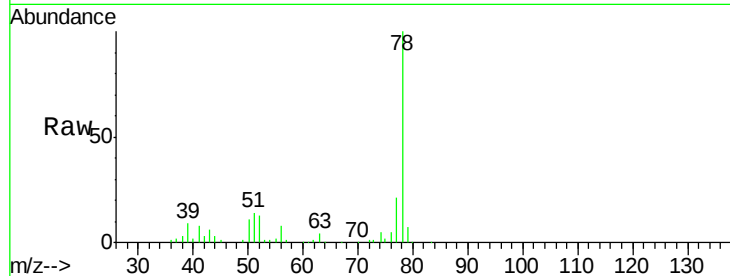
#36
Benzene
Concen: 0.563 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.02 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Instrument :
MSVOA_L
ClientSampled :
01-OFF

Tot Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.3	28.9
50	11.4	11.0	16.6

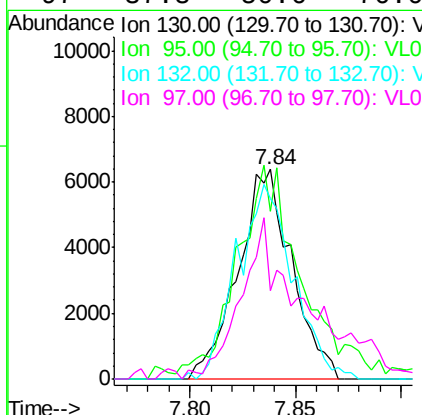
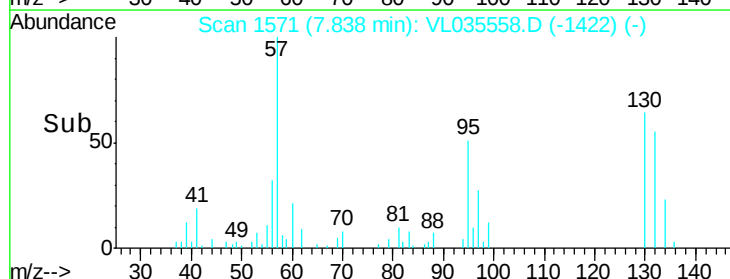
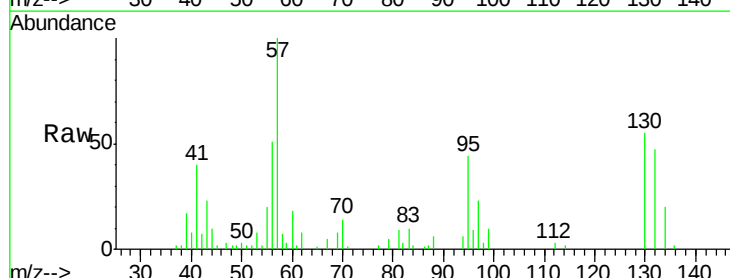
Manual Integrations
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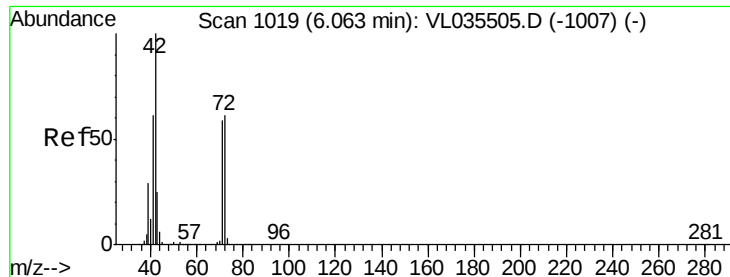
MMDadoda
9/10/2020 10:45:21 AM



#38
Trichloroethene
Concen: 0.071 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.02 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	73.3	74.6	112.0#
132	83.5	77.6	116.4
97	37.8	50.6	76.0#





#41

Tetrahydrofuran

Concen: 0.565 ppbv m

RT: 6.05 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Instrument :

MSVOA_L

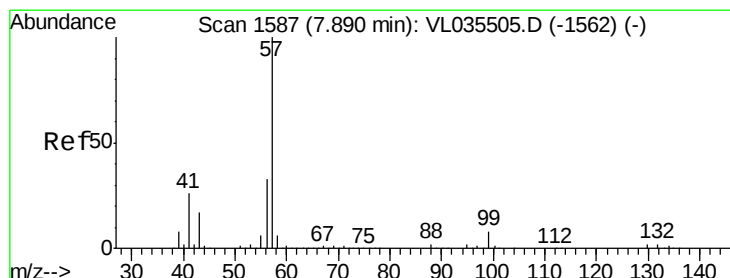
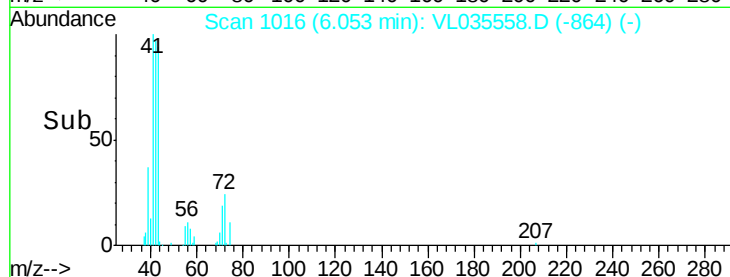
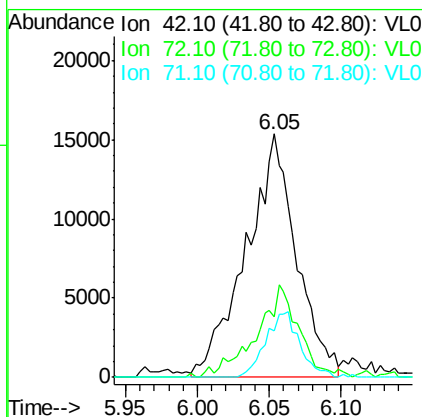
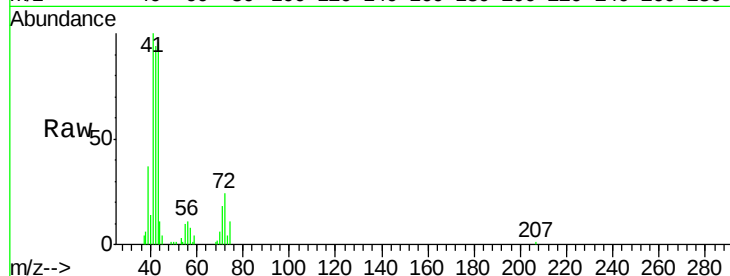
ClientSampleId :

01-OFF

Tot Ion:	42	Resp:	37604
Ion	Ratio	Lower	Upper
42	100		
72	32.1	48.6	73.0#
71	18.3	46.1	69.1#

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#44

2,2,4-Trimethylpentane

Concen: 0.794 ppbv

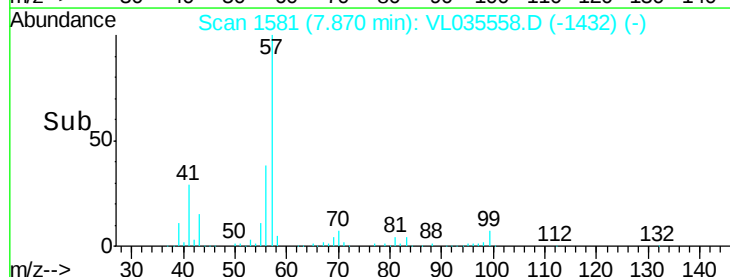
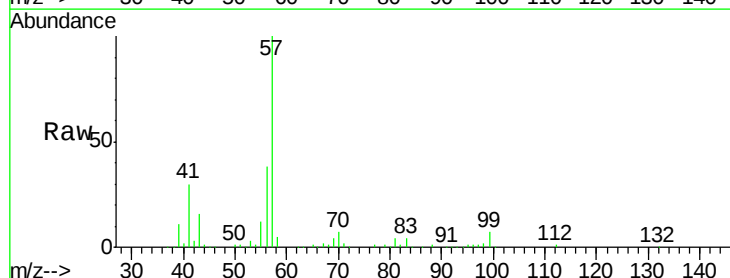
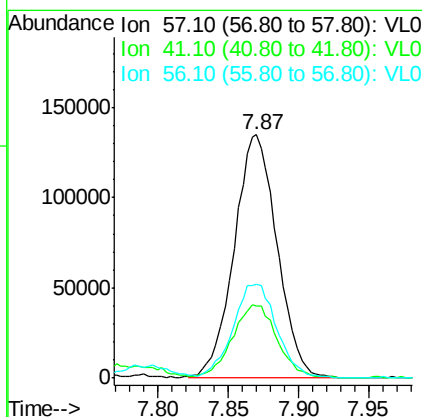
RT: 7.87 min Scan# 1581

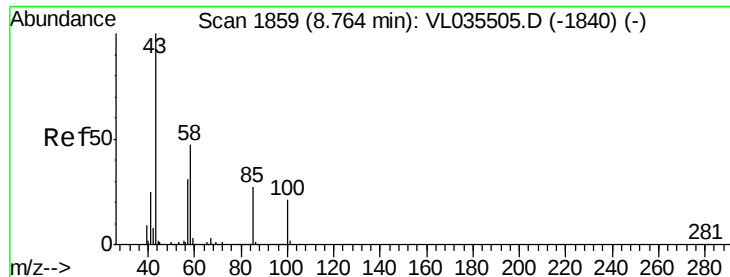
Delta R.T. -0.02 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Tgt Ion:	57	Resp:	286395
Ion	Ratio	Lower	Upper
57	100		
41	31.0	20.5	30.7#
56	40.1	25.3	37.9#





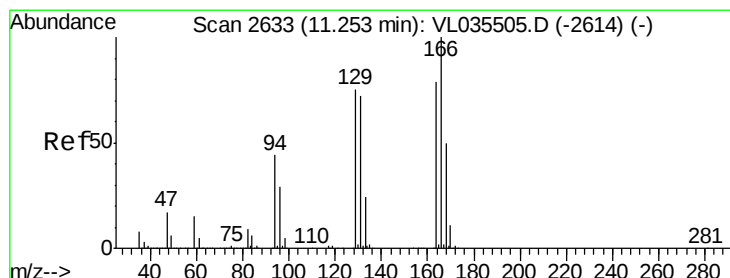
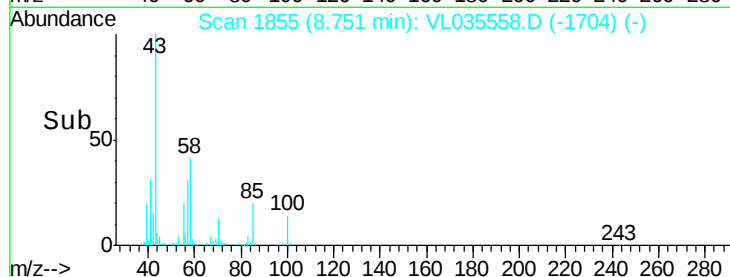
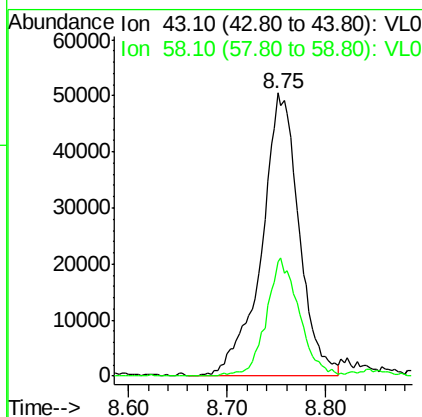
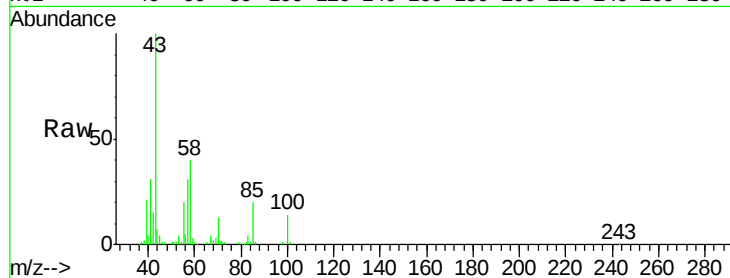
#50
4-Methyl-2-Pentanone
Concen: 0.732 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. -0.01 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Instrument :
MSVOA_L
ClientSampled :
01-OFF

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.4	37.4	56.0#

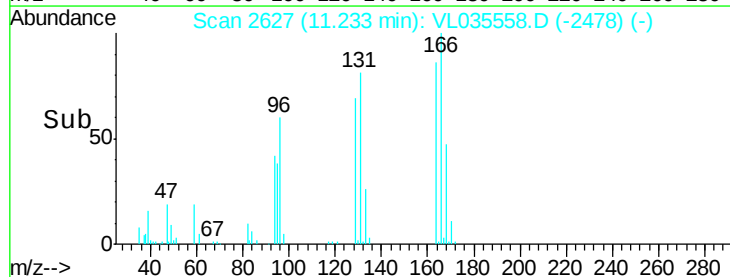
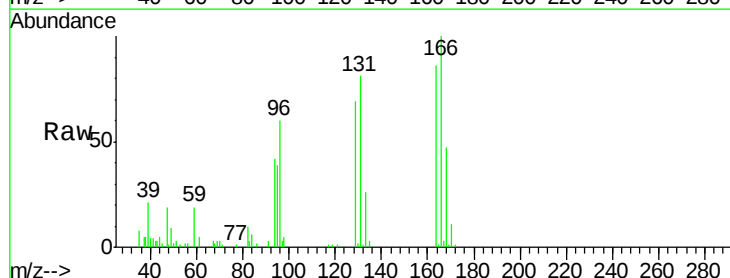
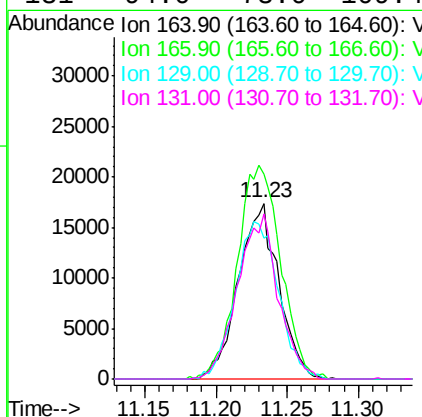
Manual Integrations
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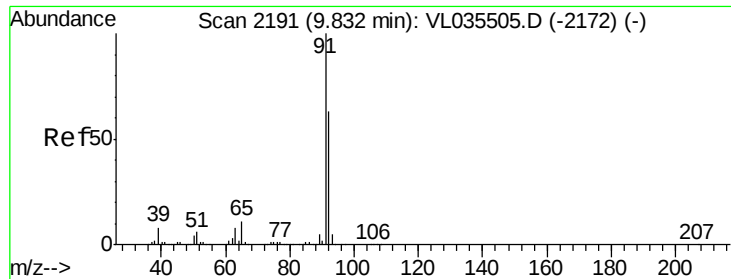
MMDadoda
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#52
Tetrachloroethene
Concen: 0.214 ppbv m
RT: 11.23 min Scan# 2627
Delta R.T. -0.02 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.2	100.9	151.3
129	80.1	75.3	112.9
131	94.0	73.0	109.4





#53

Toluene

Concen: 18.787 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

01-OFF

Tot Ion: 91 Resp: 6472649

Ion Ratio Lower Upper

91 100

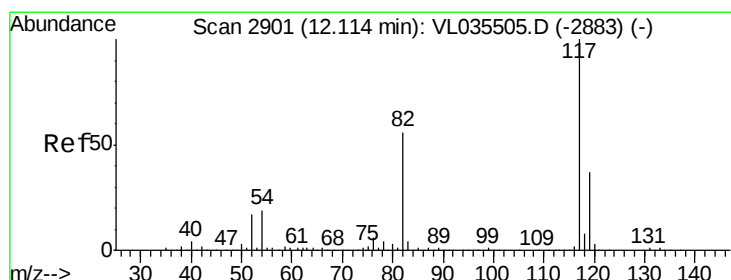
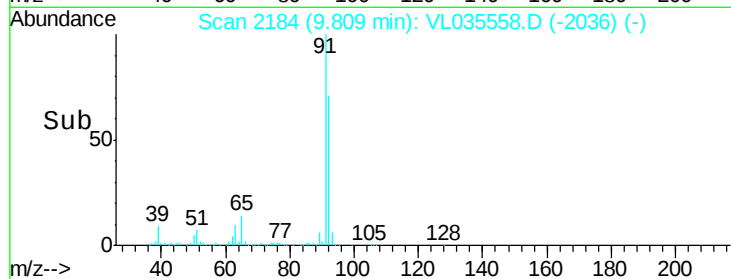
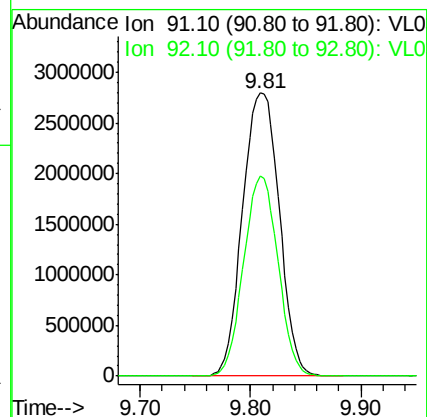
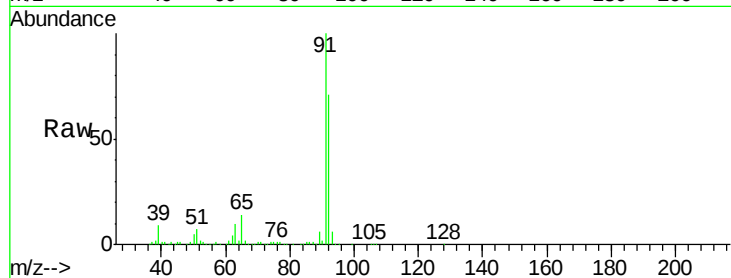
92 66.1 49.8 74.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2895

Delta R.T. -0.02 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

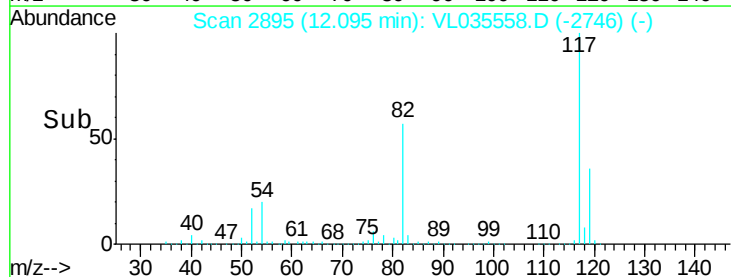
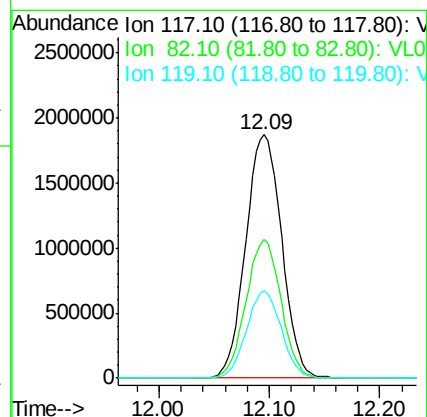
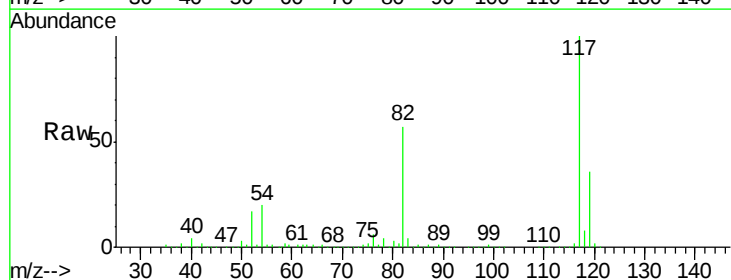
Tgt Ion: 117 Resp: 4239176

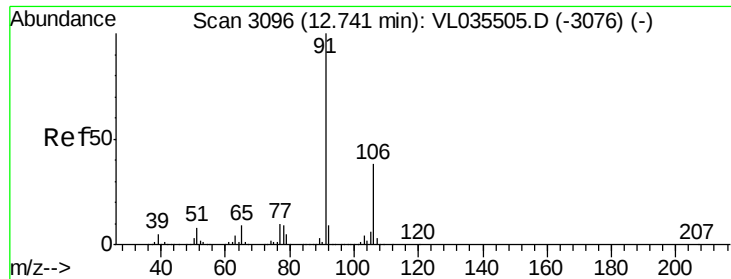
Ion Ratio Lower Upper

117 100

82 55.1 41.6 62.4

119 34.7 29.3 43.9





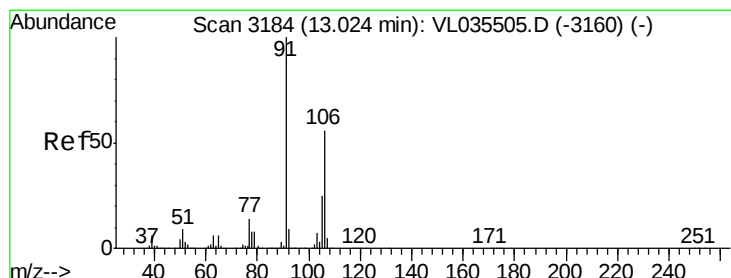
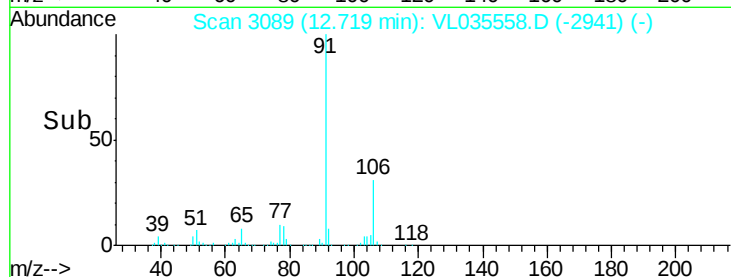
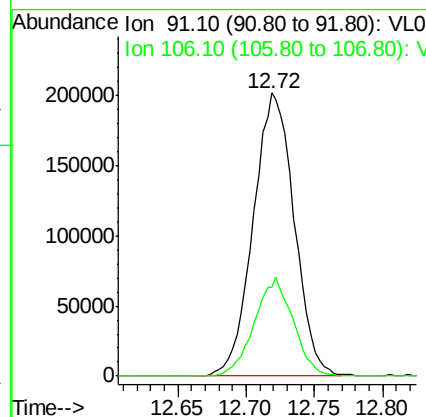
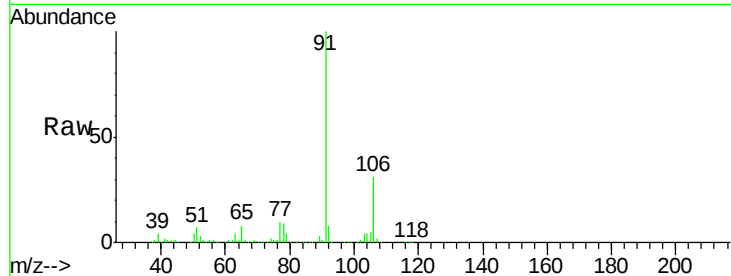
#58
Ethyl Benzene
Concen: 0.961 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.02 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Instrument :
MSVOA_L
ClientSampled :
01-OFF

Tot Ion: 91 Resp: 420116
Ion Ratio Lower Upper
91 100
106 31.5 30.3 45.5

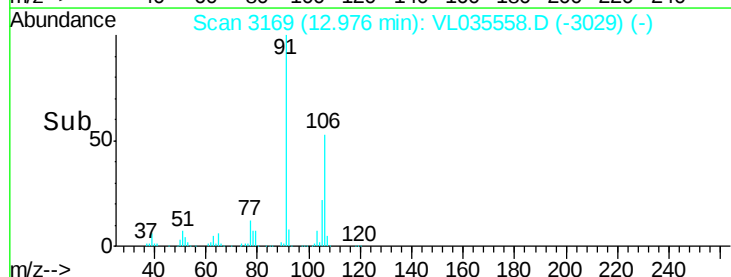
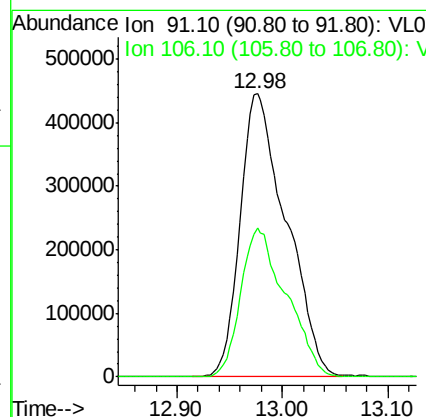
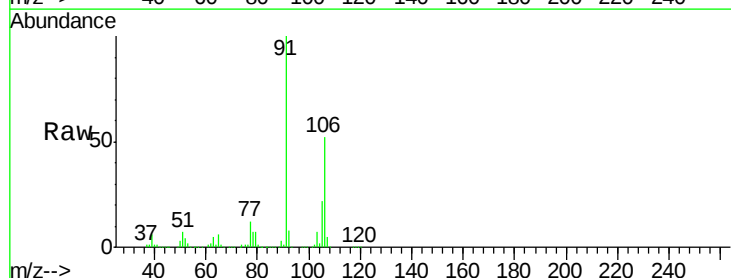
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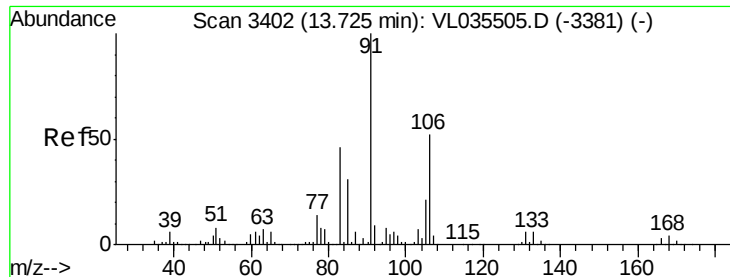
MMDadoda
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#59
m/p-Xylene
Concen: 3.693 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.05 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Tgt Ion: 91 Resp: 1348999
Ion Ratio Lower Upper
91 100
106 51.8 43.4 65.2





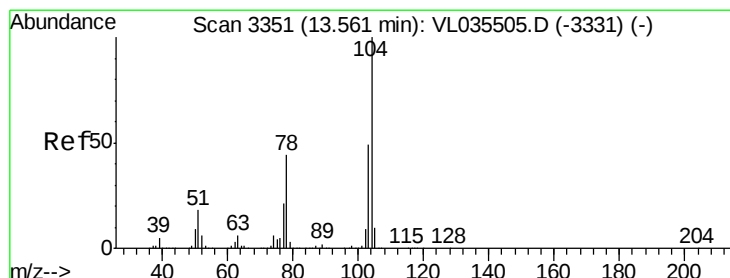
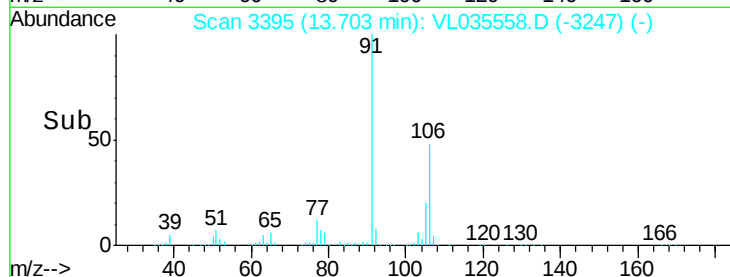
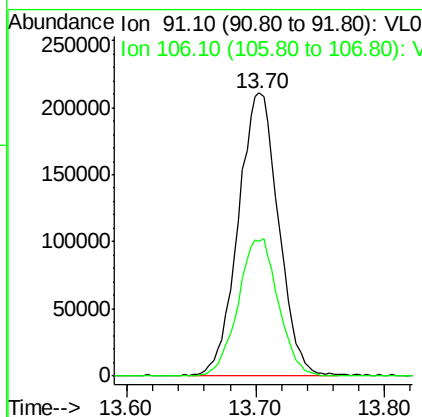
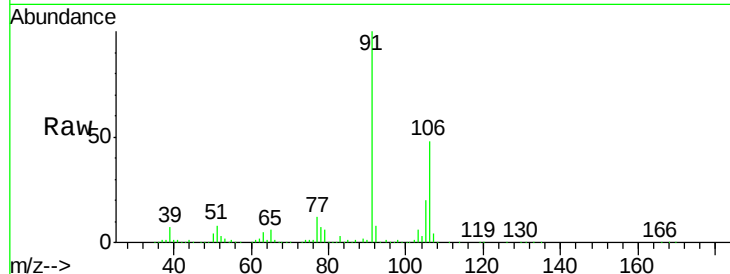
#60
o-Xylene
Concen: 1.235 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Instrument :
MSVOA_L
ClientSampled :
01-OFF

Tot Ion: 91 Resp: 454396
Ion Ratio Lower Upper
91 100
106 49.0 25.8 77.4

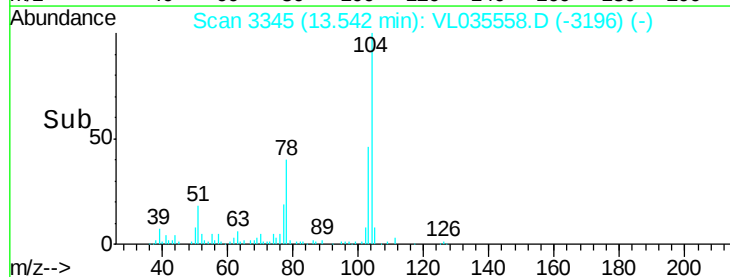
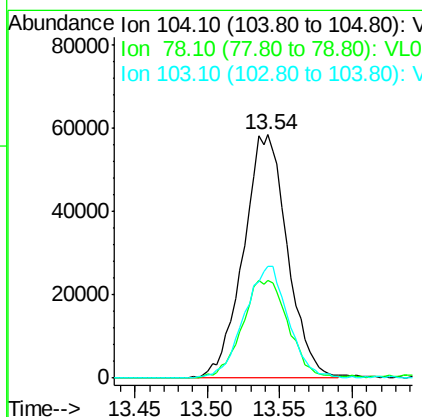
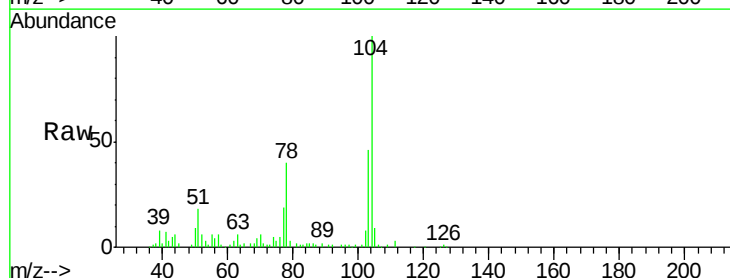
Manual Integrations
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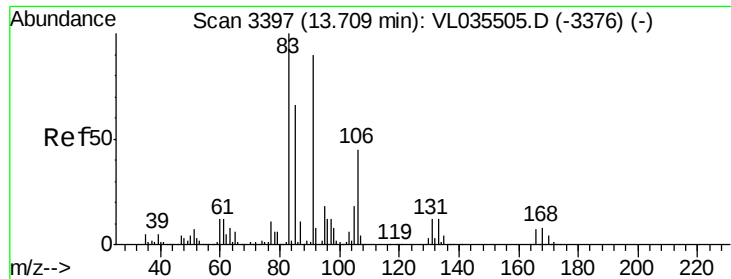
MMDadoda
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#61
Styrene
Concen: 0.439 ppbv
RT: 13.54 min Scan# 3345
Delta R.T. -0.02 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Tgt Ion: 104 Resp: 123487
Ion Ratio Lower Upper
104 100
78 42.6 34.8 52.2
103 46.3 38.2 57.4





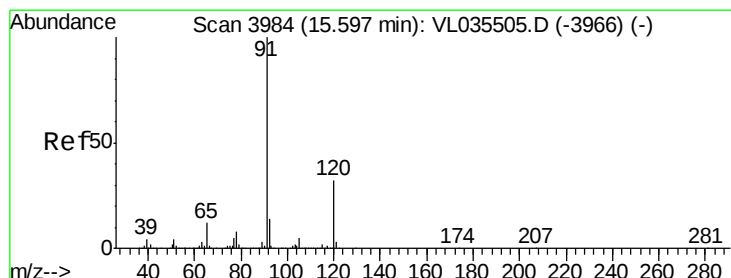
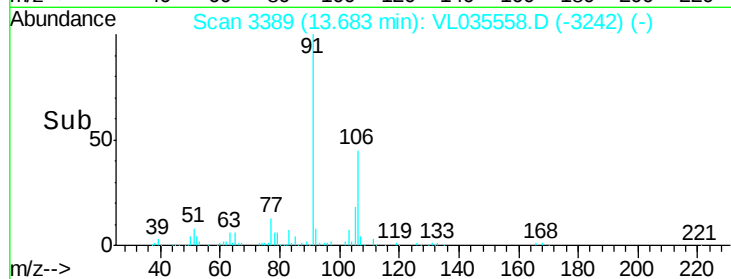
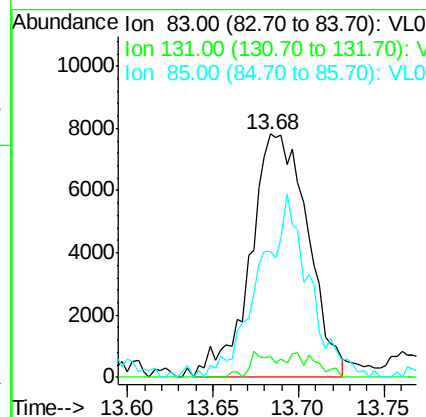
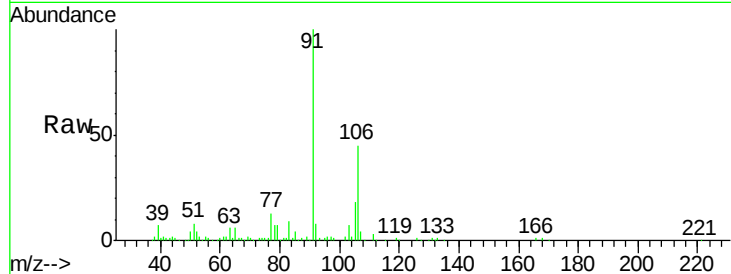
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.064 ppbv m
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.03 min
 Lab File: VL035558.D
 Acq: 8 Sep 2020 16:07

Instrument :
 MSVOA_L
 ClientSampled :
 01-OFF

Tot Ion	83	Resp	18224
Ion Ratio	100	Lower	Upper
83	100		
131	9.8	6.0	18.0
85	66.6	33.4	100.2

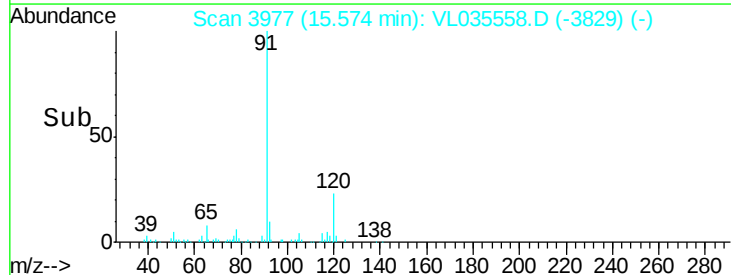
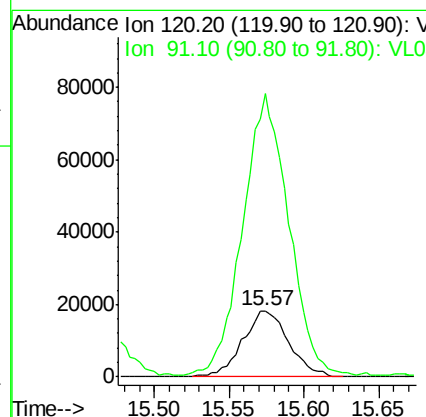
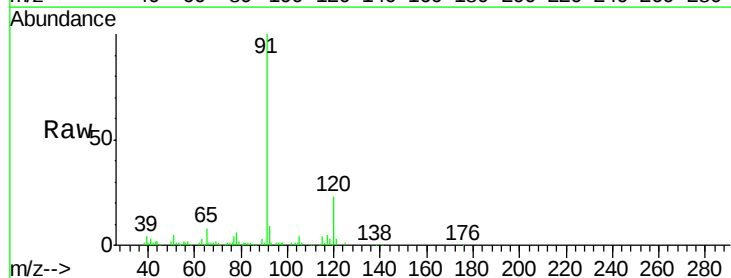
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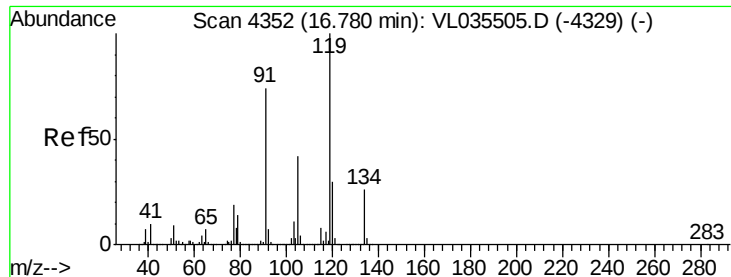
MMDadoda
 9/10/2020 10:45:21 AM



#64
 n-propylbenzene
 Concen: 0.216 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. -0.02 min
 Lab File: VL035558.D
 Acq: 8 Sep 2020 16:07

Tgt Ion	120	Resp	38921
Ion Ratio	100	Lower	Upper
120	100		
91	425.2	279.4	419.0#





#65

tert-Butylbenzene

Concen: 0.197 ppbv m

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Instrument :

MSVOA_L

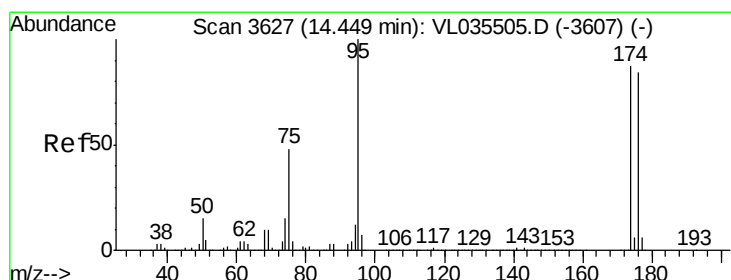
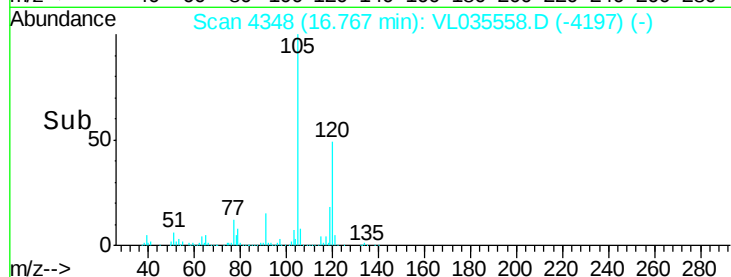
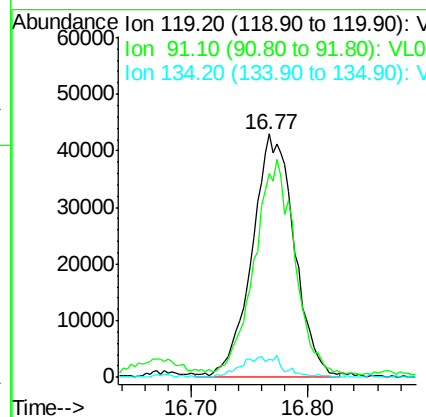
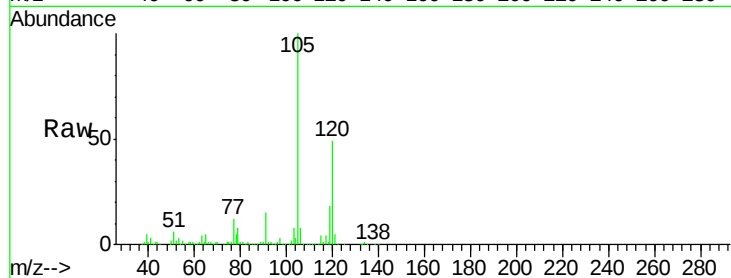
ClientSampled :

01-OFF

Tot Ion:	119	Resp:	108317
Ion Ratio	Lower	Upper	
119	100		
91	0.0	58.6	87.8#
134	0.0	18.9	28.3#

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.642 ppbv

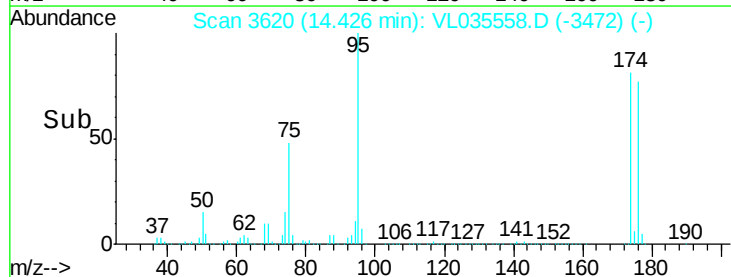
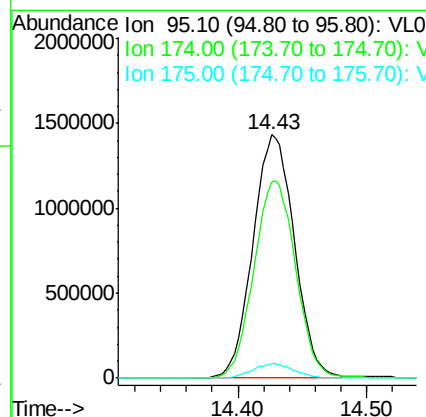
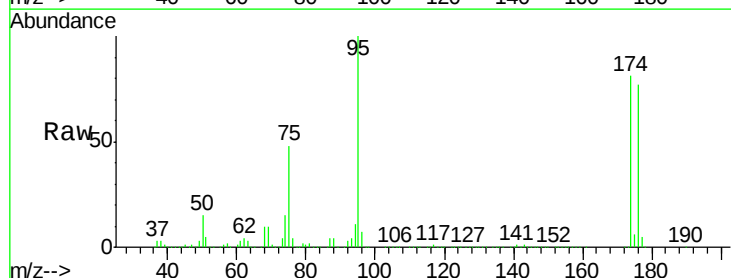
RT: 14.43 min Scan# 3620

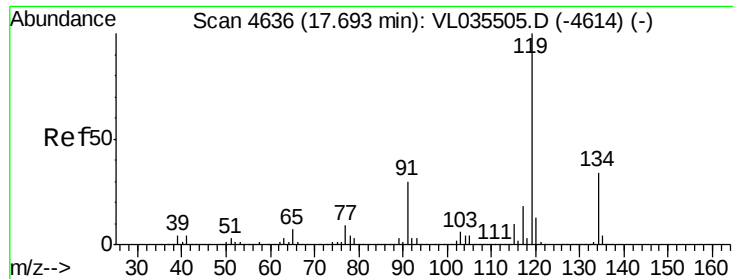
Delta R.T. -0.02 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Tgt Ion:	95	Resp:	3203857
Ion Ratio	Lower	Upper	
95	100		
174	82.4	69.6	104.4
175	5.9	5.1	7.7





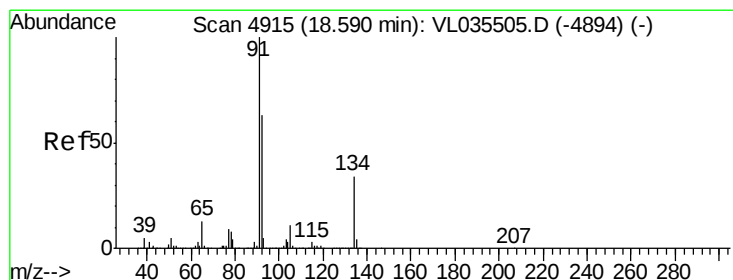
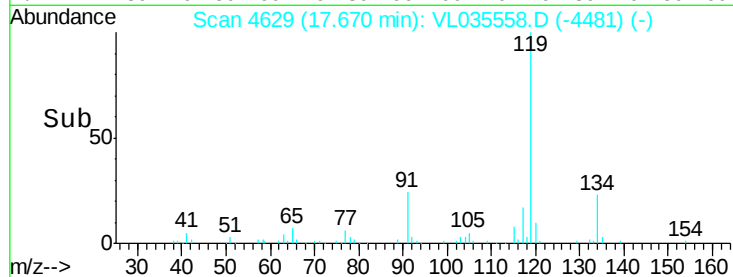
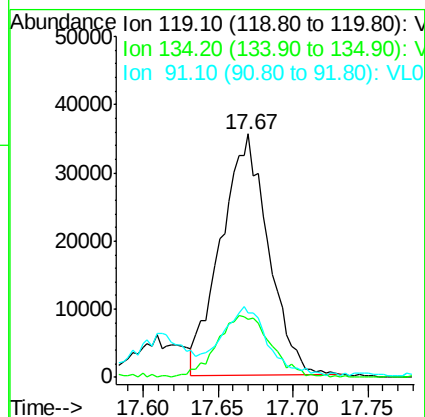
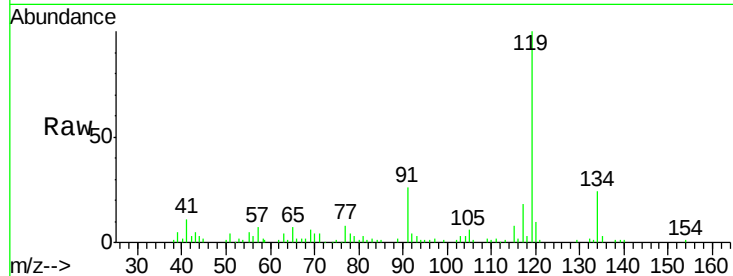
#69
 p-Isopropyltoluene
 Concen: 0.121 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. -0.02 min
 Lab File: VL035558.D
 Acq: 8 Sep 2020 16:07

Instrument :
 MSVOA_L
 ClientSampleId :
 01-OFF

Tot Ion:	119	Resp:	77533
Ion Ratio	Lower	Upper	
119	100		
134	29.2	25.0	37.4
91	31.8	22.3	33.5

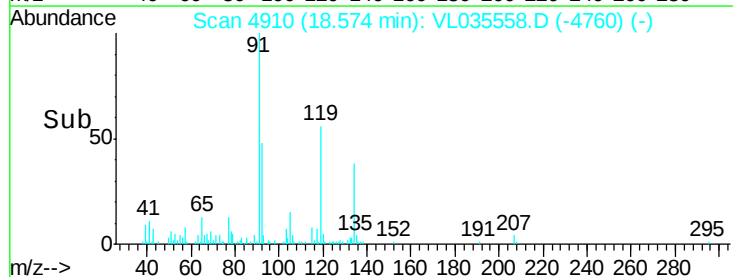
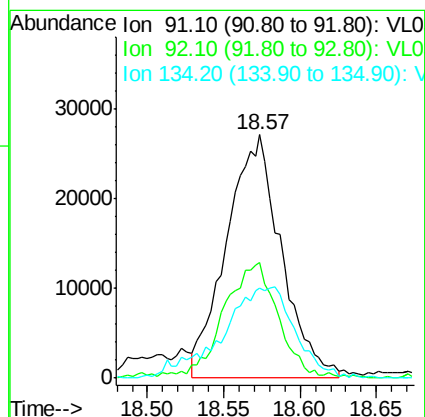
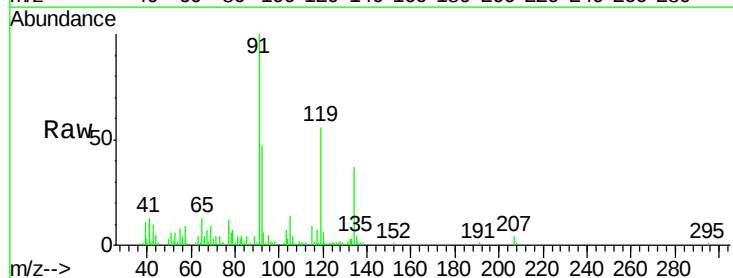
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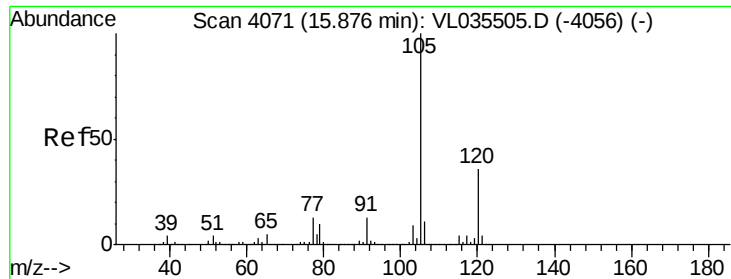
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#70
 n-Butylbenzene
 Concen: 0.110 ppbv m
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.02 min
 Lab File: VL035558.D
 Acq: 8 Sep 2020 16:07

Tgt Ion:	91	Resp:	67771
Ion Ratio	Lower	Upper	
91	100		
92	48.3	47.3	70.9
134	49.8	24.6	37.0#





#72

4-Ethyltoluene

Concen: 0.421 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. -0.02 min

Lab File: VL035558.D

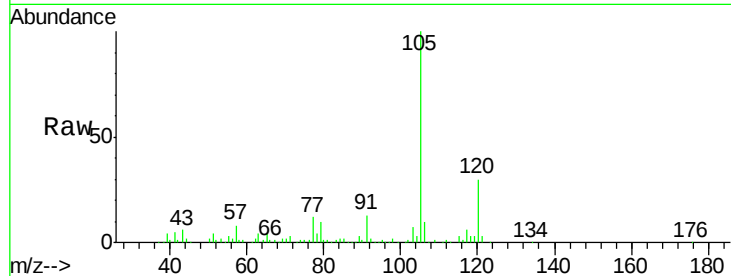
Acq: 8 Sep 2020 16:07

Instrument :

MSVOA_L

ClientSampleId :

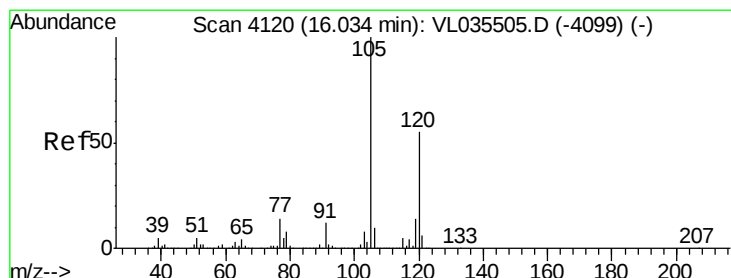
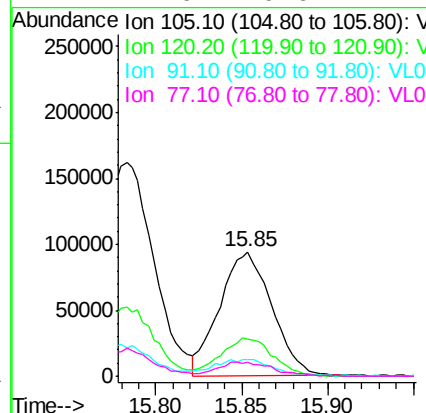
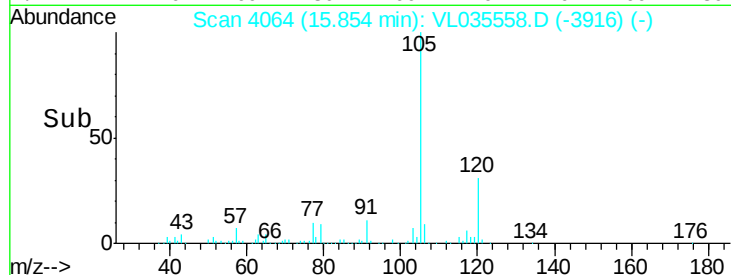
01-OFF



Tot Ion	105	Resp	197137
Ion Ratio	Lower	Upper	
105	100		
120	32.5	27.4	41.2
91	14.9	9.7	14.5
77	11.6	9.6	14.4

Manual Integrations
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#73

1,3,5-Trimethylbenzene

Concen: 0.438 ppbv

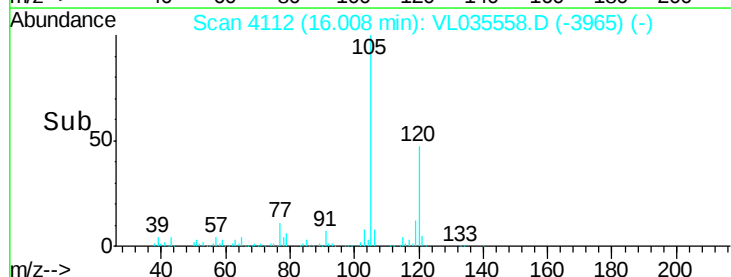
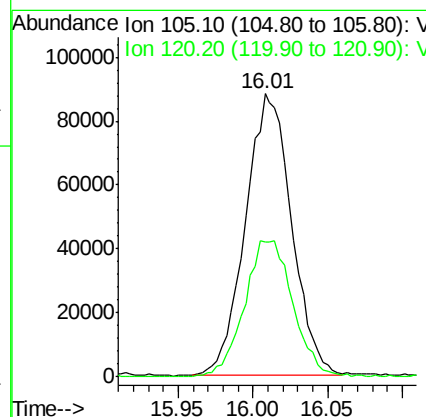
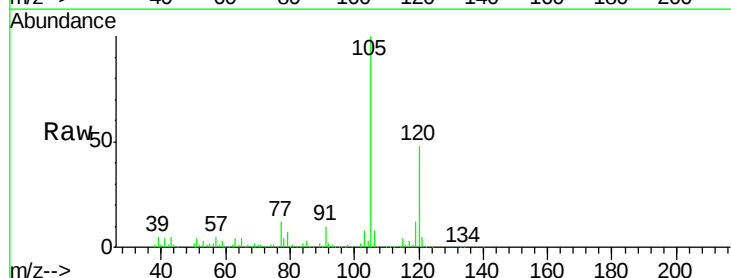
RT: 16.01 min Scan# 4112

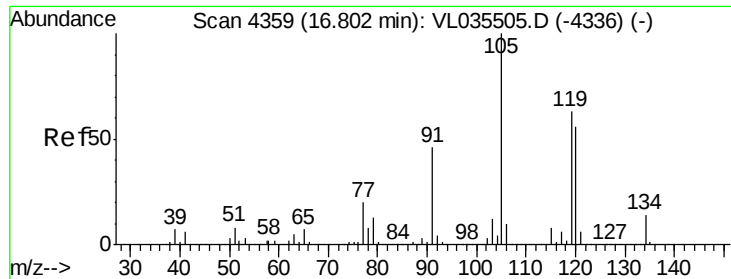
Delta R.T. -0.03 min

Lab File: VL035558.D

Acq: 8 Sep 2020 16:07

Tgt Ion	105	Resp	189669
Ion Ratio	Lower	Upper	
105	100		
120	47.8	44.2	66.2





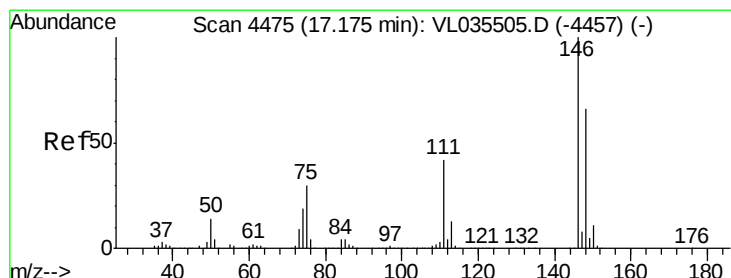
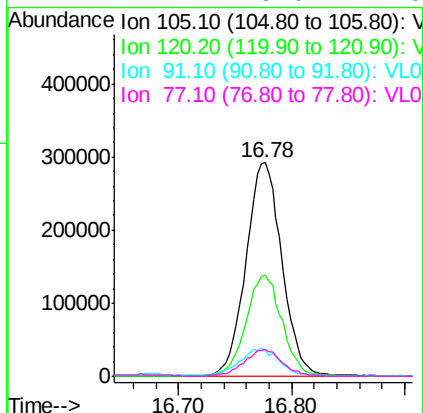
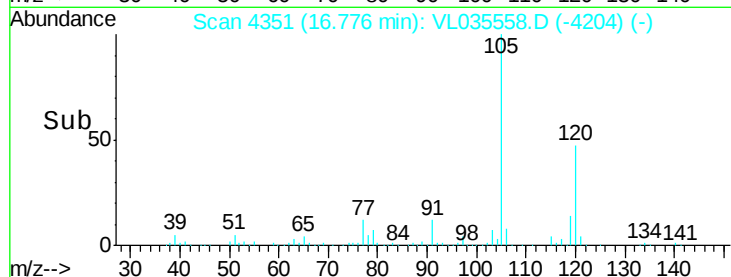
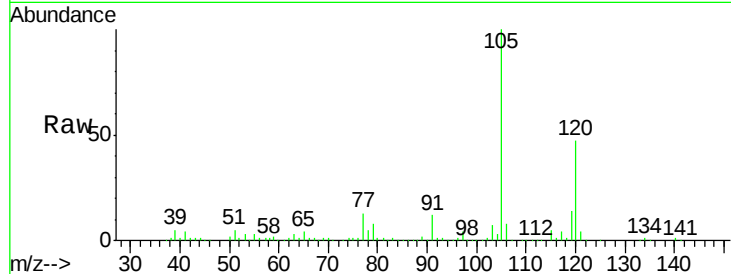
#74
 1,2,4-Trimethylbenzene
 Concen: 1.360 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.03 min
 Lab File: VL035558.D
 Acq: 8 Sep 2020 16:07

Instrument :
 MSVOA_L
 ClientSampled :
 01-OFF

Tot Ion	Ratio	Resp	Lower	Upper
105	100	646139		
120	47.2		44.4	66.6
91	11.9		37.1	55.7#
77	12.4		16.0	24.0#

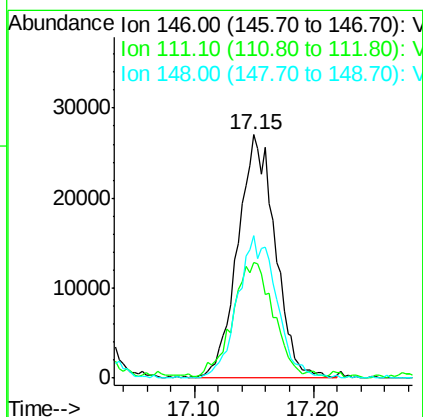
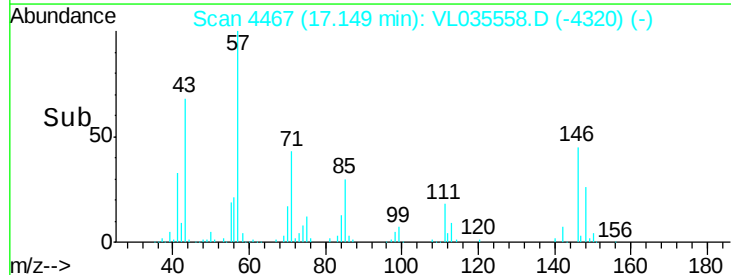
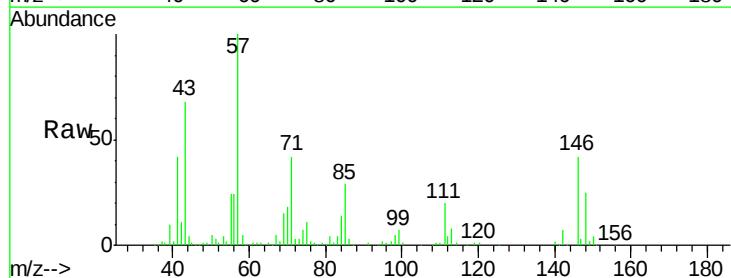
Manual Integrations
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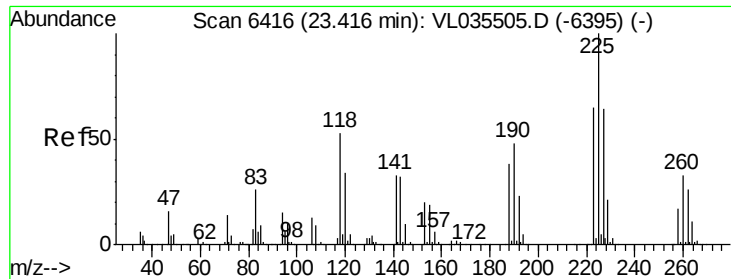
MMDadoda
 9/10/2020 10:45:21 AM



#76
 1,4-Dichlorobenzene
 Concen: 0.171 ppbv m
 RT: 17.15 min Scan# 4467
 Delta R.T. -0.03 min
 Lab File: VL035558.D
 Acq: 8 Sep 2020 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	59314		
111	54.3		20.0	60.0
148	60.6		33.2	99.6





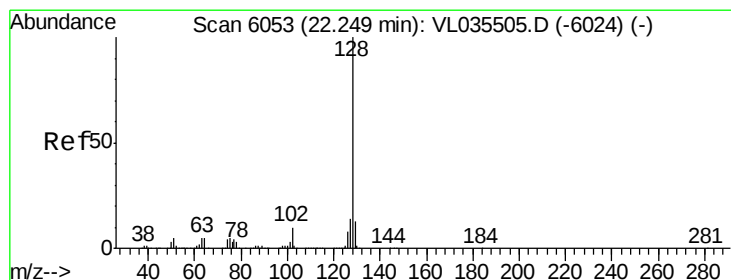
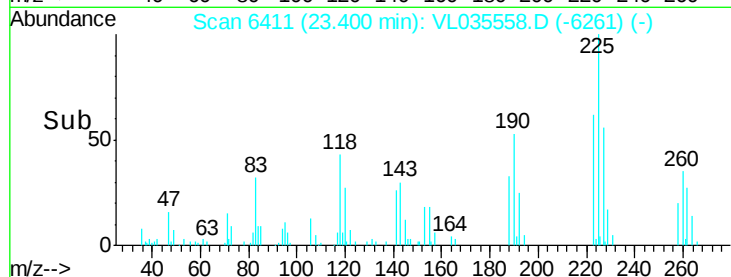
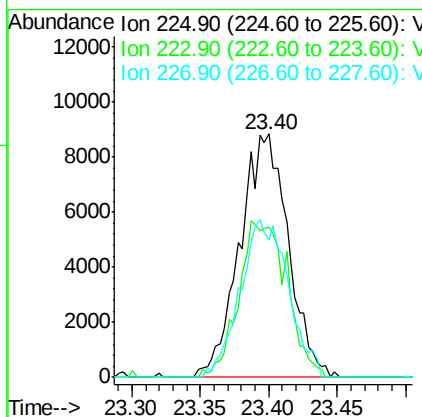
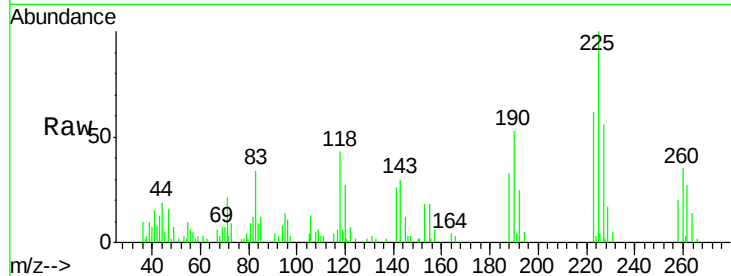
#78
Hexachloro-1,3-Butadiene
Concen: 0.100 ppbv m
RT: 23.40 min Scan# 6411
Delta R.T. -0.02 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Instrument :
MSVOA_L
ClientSampled :
01-OFF

Tot Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.7	77.5
227	0.0	51.5	77.3#

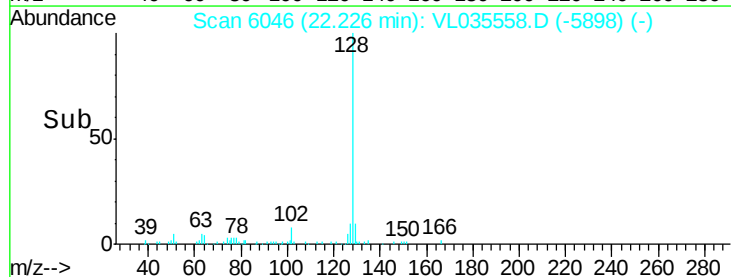
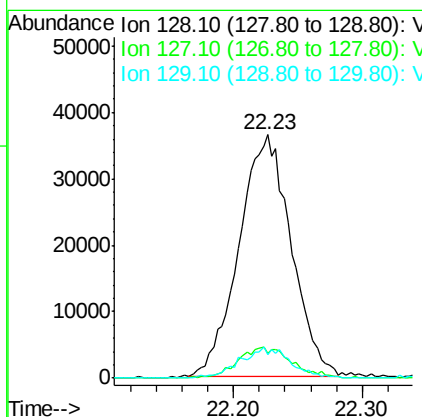
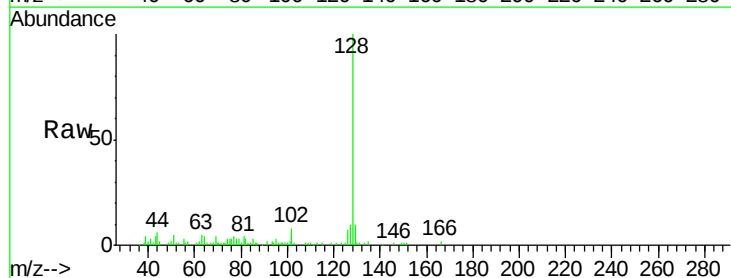
Manual Integrations
APPROVED

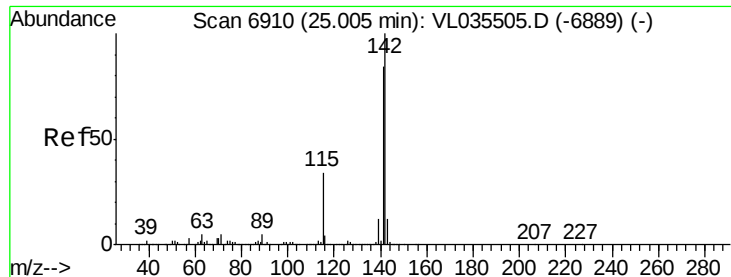
MMDadoda
9/10/2020 10:45:21 AM



#79
Naphthalene
Concen: 0.195 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. -0.02 min
Lab File: VL035558.D
Acq: 8 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.0	11.4	17.2#
129	9.6	10.5	15.7#





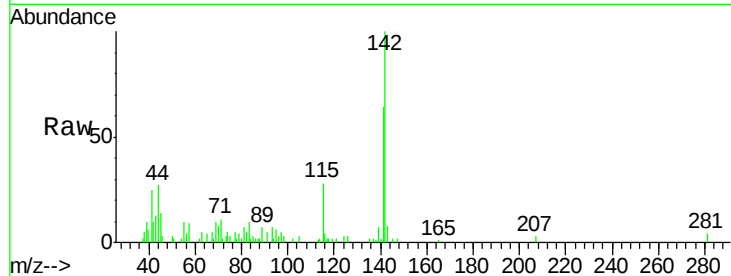
#80
 Naphthalene, 2-methyl-
 Concen: 0.111 ppbv
 RT: 24.99 min Scan# 6905
 Delta R.T. -0.02 min
 Lab File: VL035558.D
 Acq: 8 Sep 2020 16:07

Instrument :
 MSVOA_L
 ClientSampleId :
 01-OFF

Tot Ion	Ratio	Resp Lower	Upper
142	100		
141	87.2	67.6	101.4
115	40.7	25.8	38.8#

Manual Integrations
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 9/10/2020 10:45:21 AM



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V

