

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035446.D
 Acq On : 18 Aug 2020 17:12
 Operator : SY/AP
 Sample : VL0818ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:06 AM

Quant Time: Aug 19 03:01:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 19 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1064801	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4872559	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.12	117	5240862m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3601458	9.82	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1733517	8.784	ppbv 99
3) Chlorodifluoromethane	2.99	51	1257786	9.421	ppbv # 91
4) Chloromethane	3.14	50	669916	9.631	ppbv 96
5) Vinyl Chloride	3.26	62	796855	9.586	ppbv 95
6) Bromomethane	3.48	94	705387	9.703	ppbv 99
7) Chloroethane	3.56	64	289497	9.454	ppbv 97
8) Dichlorotetrafluoroethane	3.19	85	2310553	9.143	ppbv # 58
9) Propene	3.01	41	498422	9.288	ppbv 100
10) Heptane	8.15	43	1361406	9.676	ppbv # 79
11) Trichlorofluoromethane	3.96	101	2902319	9.372	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2174275	9.422	ppbv # 77
13) Ethanol	3.61	45	122369	6.224	ppbv 99
14) Bromoethene	3.75	108	983776	9.647	ppbv # 95
15) Acetone	3.86	43	1026395	8.375	ppbv # 83
16) 1,3-Butadiene	3.33	39	482659	9.711	ppbv # 66
17) tert-Butyl alcohol	4.30	59	1534943	9.690	ppbv 98
18) 1,1-Dichloroethene	4.30	96	989356	9.710	ppbv # 60
19) Isopropyl Alcohol	3.98	45	792422	9.381	ppbv # 97
20) Methylene Chloride	4.35	84	776010	7.848	ppbv # 65
21) Allyl Chloride	4.42	41	627659	10.078	ppbv # 82
22) trans-1,2-Dichloroethene	4.90	96	1061163	9.759	ppbv # 62
23) Vinyl Acetate	5.09	43	1714592	9.786	ppbv # 94
24) 1,1-Dichloroethane	5.02	63	1670464	9.554	ppbv # 93
25) Ethyl Acetate	5.69	43	2182980	9.153	ppbv # 93
26) Hexane	5.70	57	1237775	9.197	ppbv # 76
27) Carbon Disulfide	4.56	76	2044943	10.512	ppbv # 86
28) Methyl tert-Butyl Ether	5.05	73	2320852	9.440	ppbv 92
29) Chloroform	5.77	83	2579635	9.540	ppbv 99
30) Cyclohexane	7.15	84	1477345	9.894	ppbv # 61
31) cis-1,2-Dichloroethene	5.56	61	1379410	9.745	ppbv # 63
32) 1,1,1-Trichloroethane	6.53	97	2641569	10.424	ppbv # 90
34) 2-Butanone	5.26	43	1537895	9.447	ppbv # 74
35) Carbon Tetrachloride	7.04	117	2848991	10.994	ppbv 98
36) Benzene	6.92	78	3331803	9.317	ppbv # 93
37) 1,2-Dichloroethane	6.33	62	1587496	9.713	ppbv # 90
38) Trichloroethene	7.86	130	1879161	9.446	ppbv # 83
39) 1,2-Dichloropropane	7.64	63	1119775	9.501	ppbv # 85
40) 1,4-Dioxane	7.85	88	603125	9.394	ppbv # 24
41) Tetrahydrofuran	6.07	42	893030	9.945	ppbv # 63
42) Bromodichloromethane	7.82	83	2763674	10.105	ppbv # 98
43) Methyl Methacrylate	8.04	69	1394726	9.973	ppbv # 59

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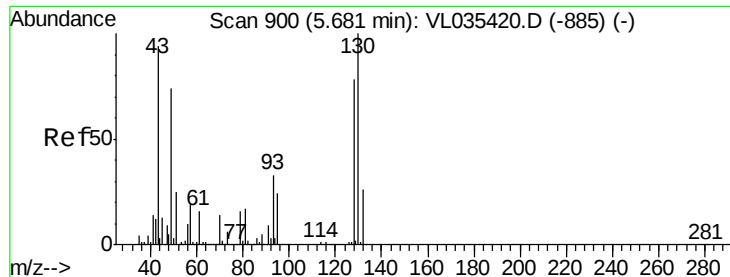
MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 18 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.90	57	4268804	9.141	ppbv #	93
45) t-1,3-Dichloropropene	9.31	75	1594645	11.070	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1911600	10.652	ppbv #	75
47) 1,1,2-Trichloroethane	9.51	97	1685071	9.572	ppbv	93
48) Dibromochloromethane	10.34	129	3113799	10.544	ppbv	99
49) Bromoform	13.08	173	3122813	10.976	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2270860	9.724	ppbv #	81
51) 2-Hexanone	10.16	43	1950993	9.912	ppbv #	79
52) Tetrachloroethene	11.26	164	2048694	9.392	ppbv #	83
53) Toluene	9.83	91	4339247	9.421	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2732510	9.557	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2411277	9.699	ppbv	98
57) Chlorobenzene	12.18	112	3837575	8.772	ppbv #	81
58) Ethyl Benzene	12.75	91	5708026	9.022	ppbv #	84
59) m/p-Xylene	13.03	91	9298446m	17.387	ppbv	
60) o-Xylene	13.73	91	4698569	9.040	ppbv	86
61) Styrene	13.57	104	3991549	9.504	ppbv #	90
62) Isopropylbenzene	14.71	105	7352973	8.632	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.72	83	3295798	8.827	ppbv	97
64) n-propylbenzene	15.60	120	2475335	9.427	ppbv #	45
65) tert-Butylbenzene	16.79	119	7223502	8.726	ppbv #	82
66) Benzyl Chloride	17.03	91	2431540	12.211	ppbv #	89
67) sec-Butylbenzene	17.34	105	9160866	8.408	ppbv #	82
69) p-Isopropyltoluene	17.70	119	8349542	8.637	ppbv #	89
70) n-Butylbenzene	18.59	91	7930756	8.685	ppbv #	90
71) 2-Chlorotoluene	15.49	91	5613371	9.082	ppbv	77
72) 4-Ethyltoluene	15.88	105	6214489	9.110	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.04	105	5829971	9.185	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.81	105	6050571	8.774	ppbv #	92
75) 1,3-Dichlorobenzene	17.04	146	4687131	8.800	ppbv	92
76) 1,4-Dichlorobenzene	17.18	146	4730328	9.012	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	4676653	8.964	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3584572	8.690	ppbv	98
79) Naphthalene	22.25	128	8560374	8.814	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	4012518	9.998	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.98	180	5260955	8.987	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 49 Resp: 1064801

Ion Ratio Lower Upper

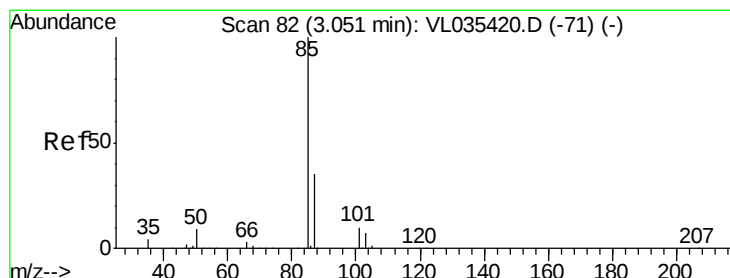
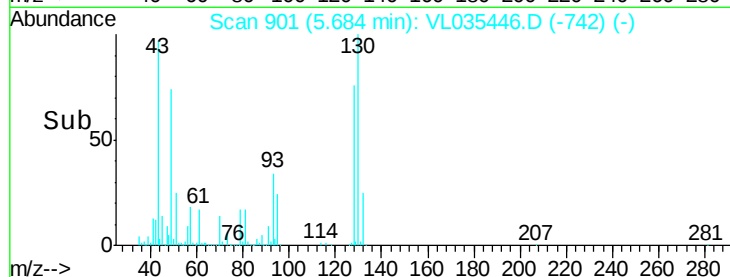
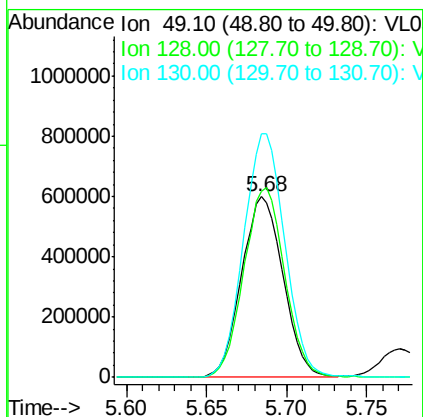
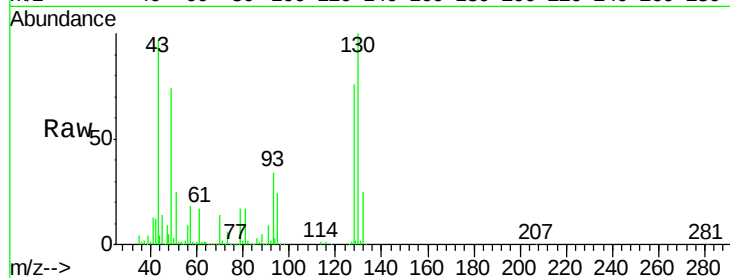
49 100

128 103.9 20.9 62.7#

130 135.2 26.7 80.1#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 8.784 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035446.D

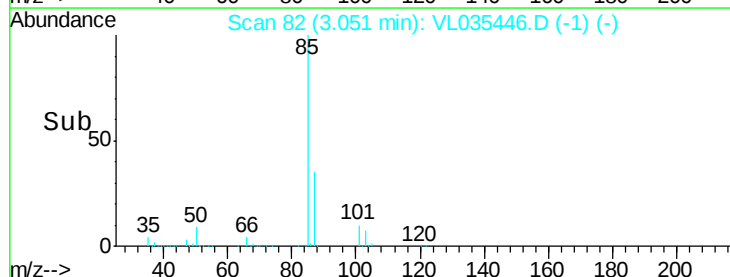
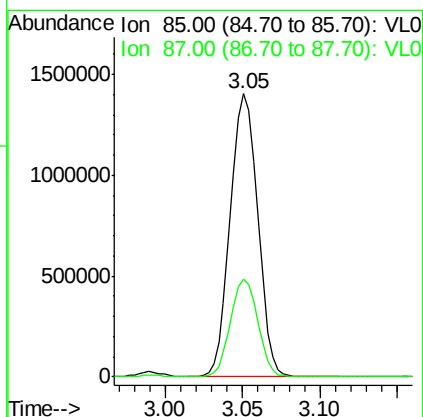
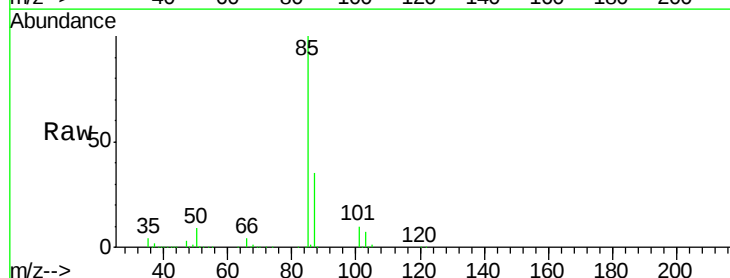
Acq: 18 Aug 2020 17:12

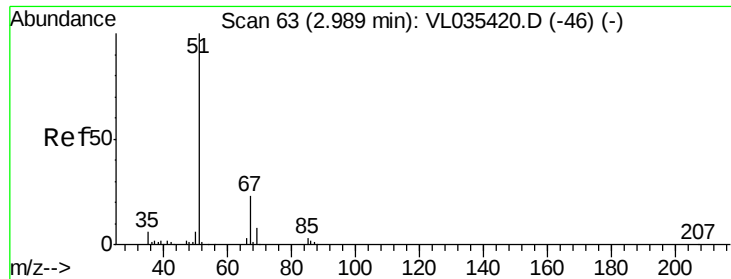
Tgt Ion: 85 Resp: 1733517

Ion Ratio Lower Upper

85 100

87 34.7 27.1 40.7





#3

Chlorodifluoromethane

Concen: 9.421 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 51 Resp: 1257786

Ion Ratio Lower Upper

51 100

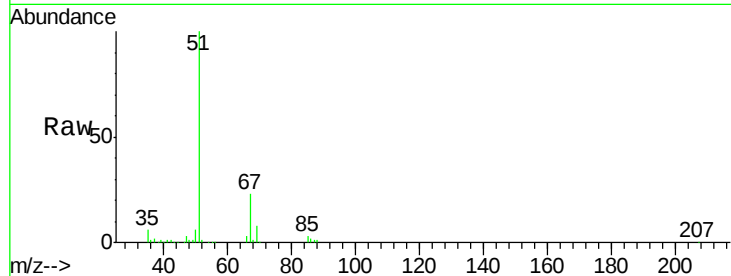
67 22.7 15.0 22.6#

Manual Integrations

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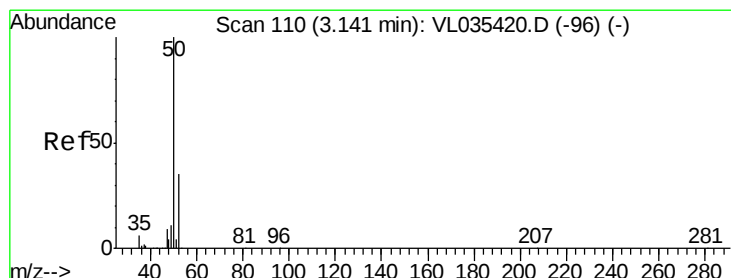
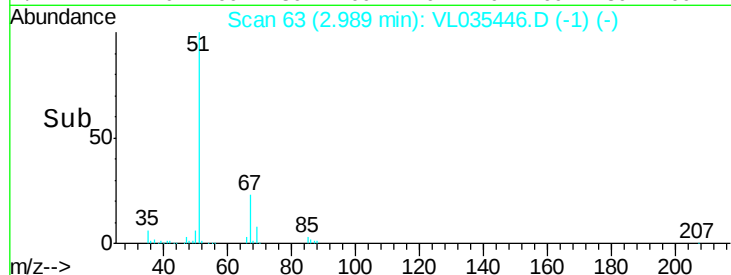
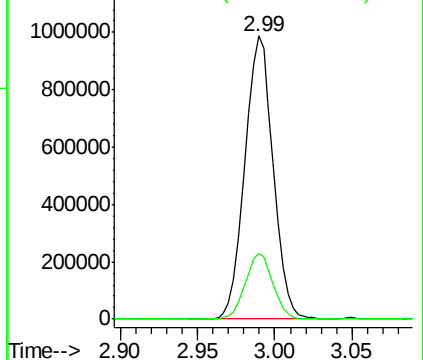
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.631 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL035446.D

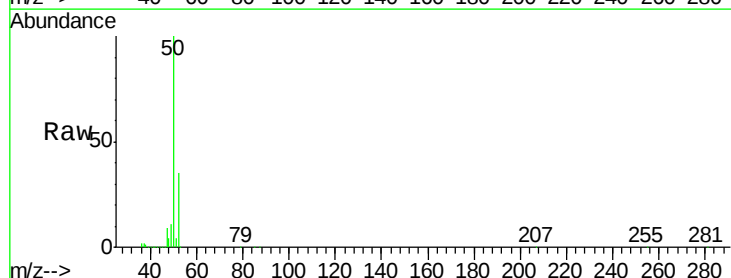
Acq: 18 Aug 2020 17:12

Tgt Ion: 50 Resp: 669916

Ion Ratio Lower Upper

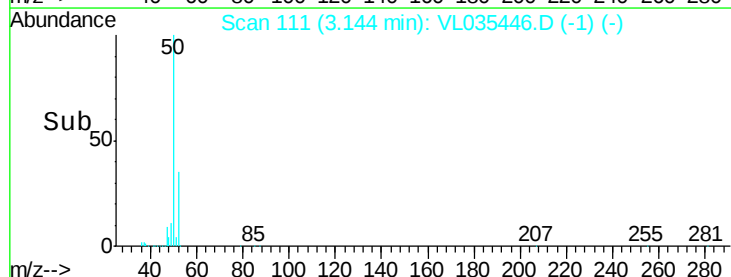
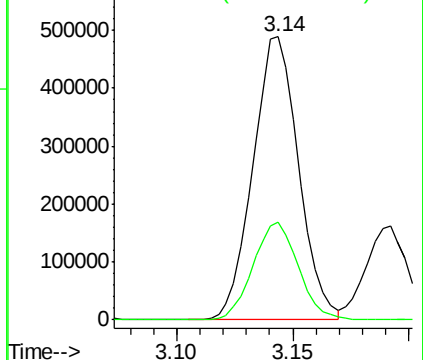
50 100

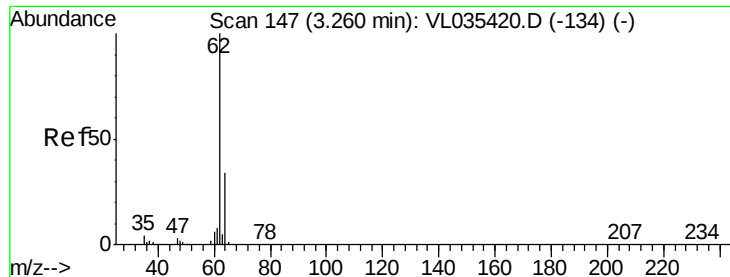
52 34.6 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.586 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 62 Resp: 796855

Ion Ratio Lower Upper

62 100

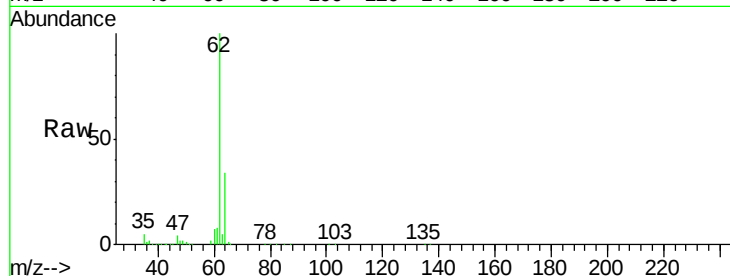
64 34.1 25.0 37.4

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

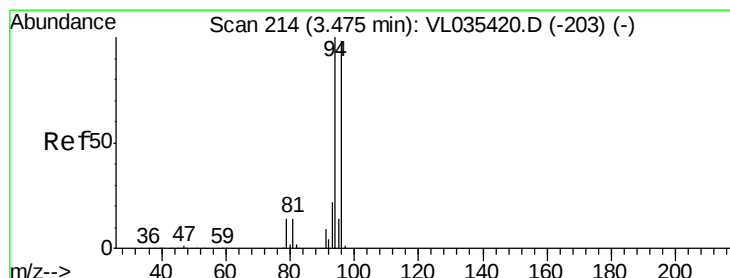
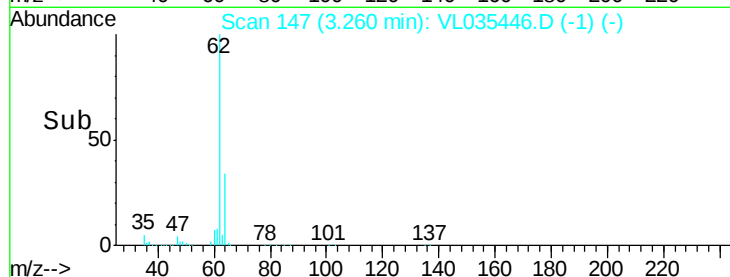
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.703 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL035446.D

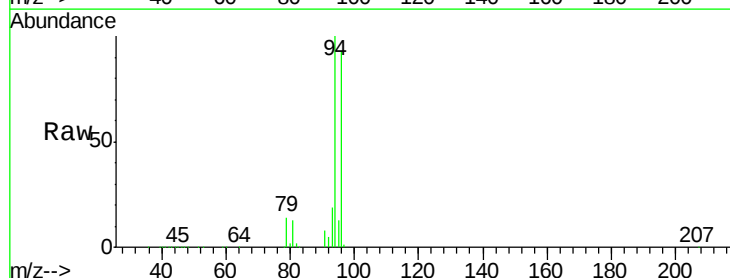
Acq: 18 Aug 2020 17:12

Tgt Ion: 94 Resp: 705387

Ion Ratio Lower Upper

94 100

96 92.6 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

600000

500000

400000

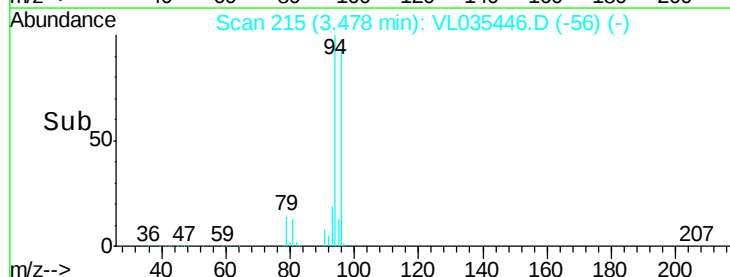
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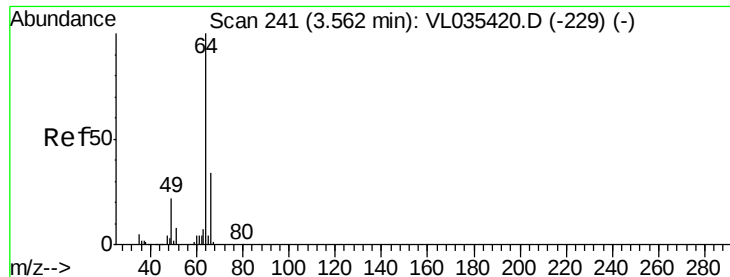
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.454 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 64 Resp: 289497

Ion Ratio Lower Upper

64 100

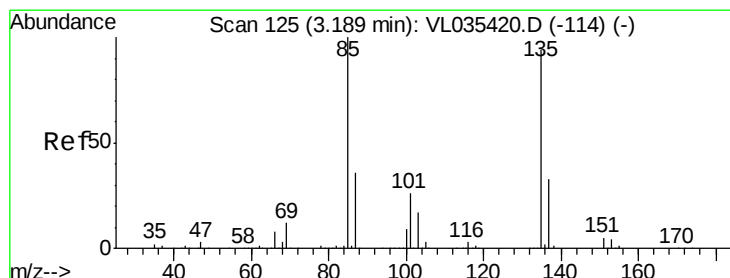
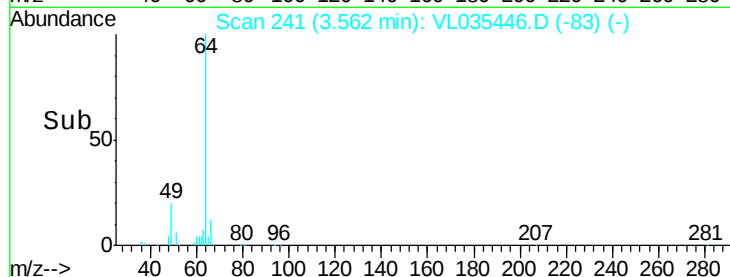
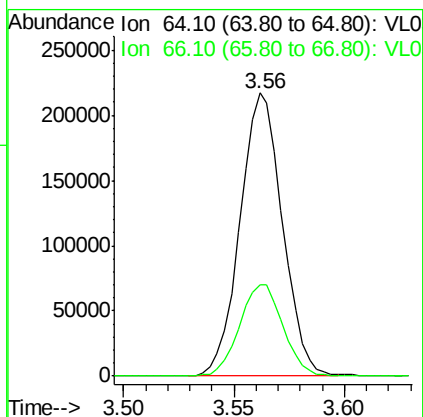
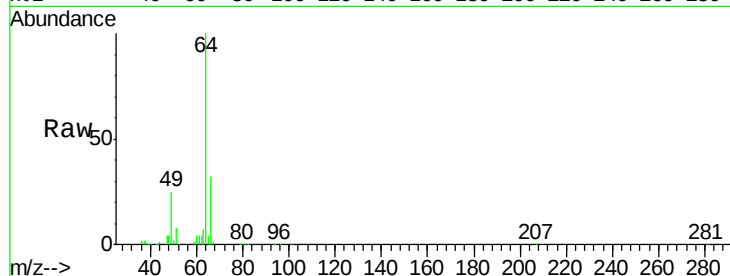
66 32.3 24.5 36.7

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.143 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL035446.D

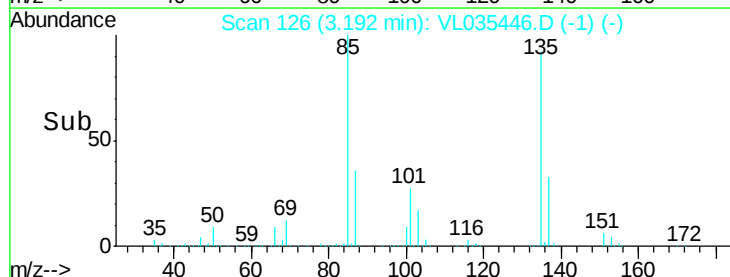
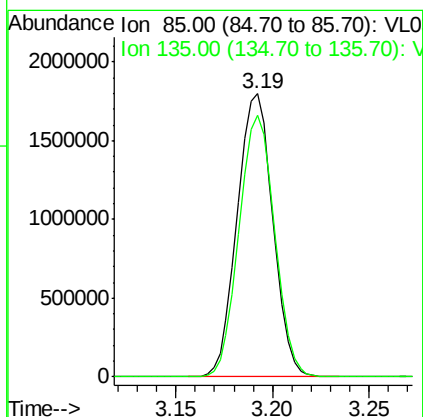
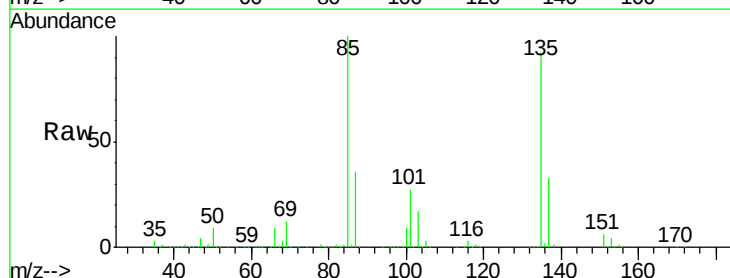
Acq: 18 Aug 2020 17:12

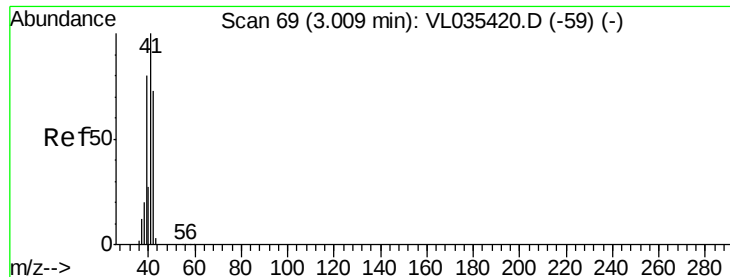
Tgt Ion: 85 Resp: 2310553

Ion Ratio Lower Upper

85 100

135 92.5 48.6 72.8#





#9

Propene

Concen: 9.288 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

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ClientSampleId :

VL0818ABS01

Tot Ion: 41 Resp: 498422

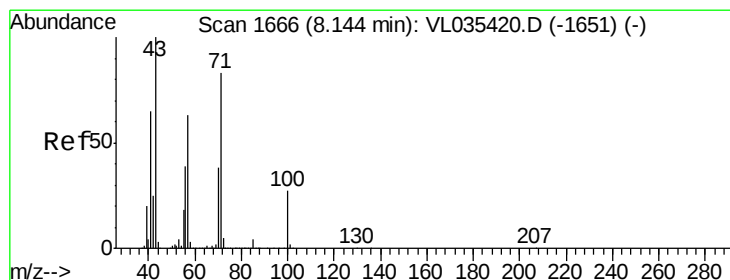
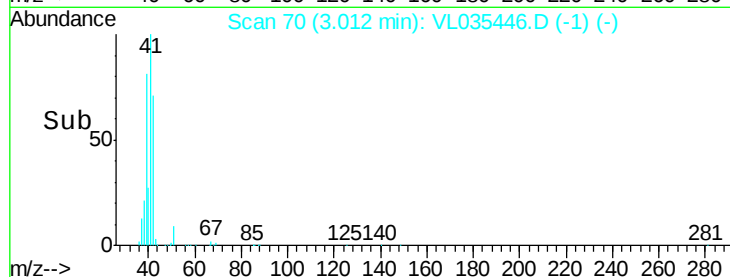
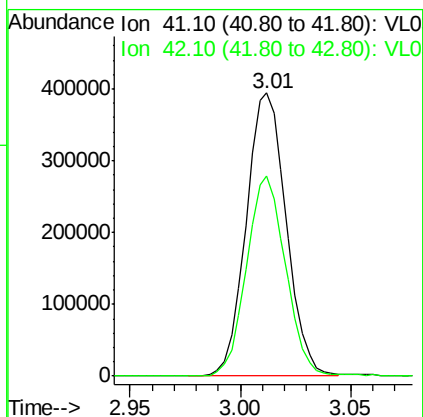
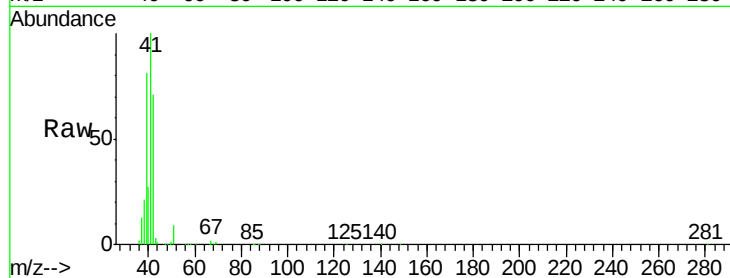
Ion Ratio Lower Upper

41 100

42 69.5 55.5 83.3

Manual Integrations
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#10

Heptane

Concen: 9.676 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL035446.D

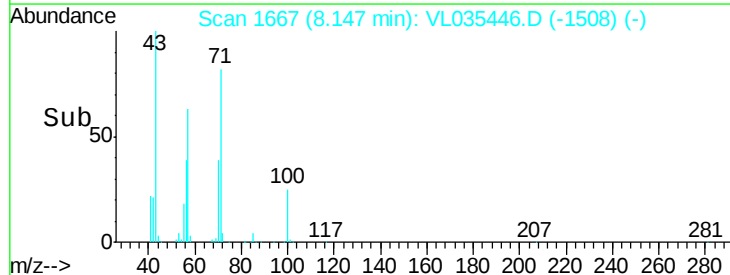
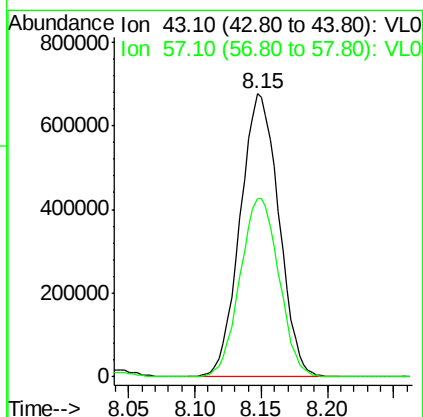
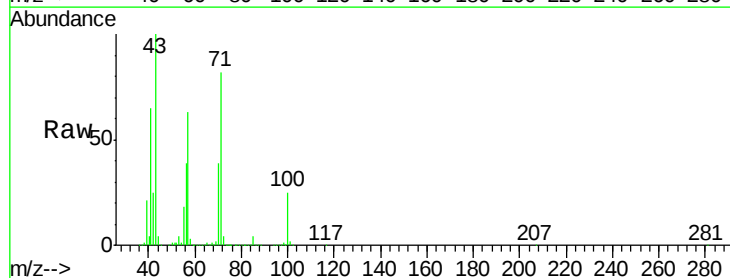
Acq: 18 Aug 2020 17:12

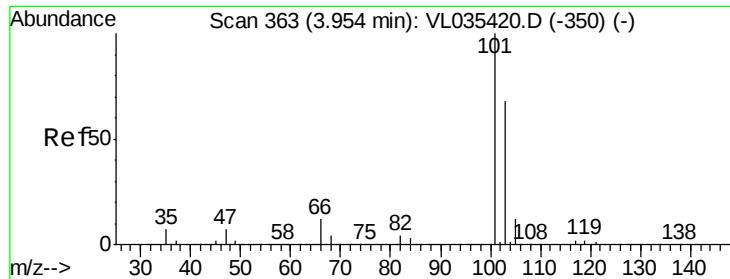
Tgt Ion: 43 Resp: 1361406

Ion Ratio Lower Upper

43 100

57 64.1 39.8 59.6#





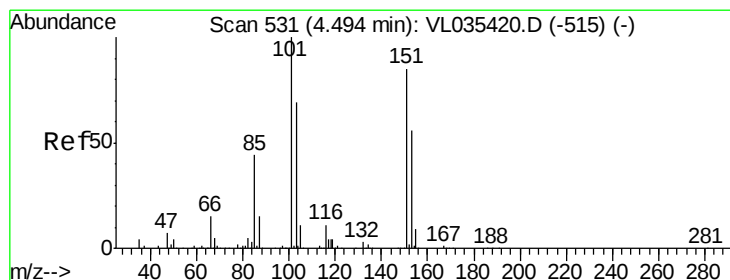
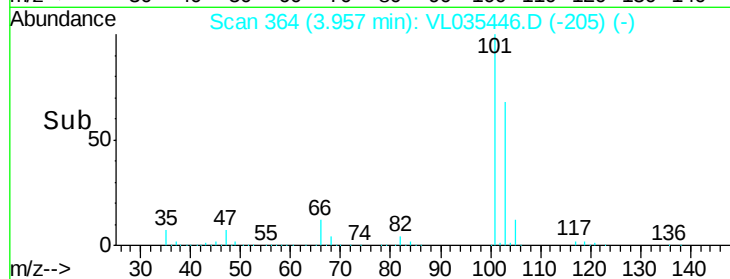
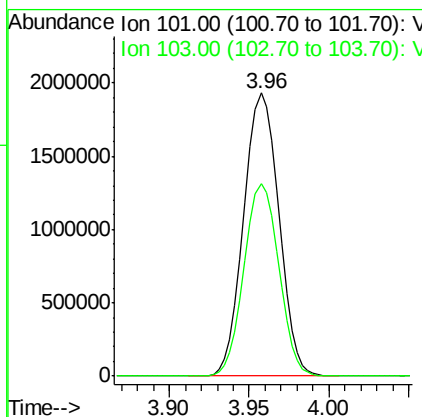
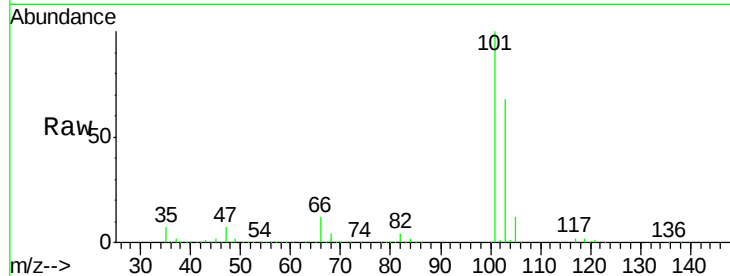
#11
 Trichlorofluoromethane
 Concen: 9.372 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion:101 Resp: 2902319
 Ion Ratio Lower Upper
 101 100
 103 68.2 52.6 78.8

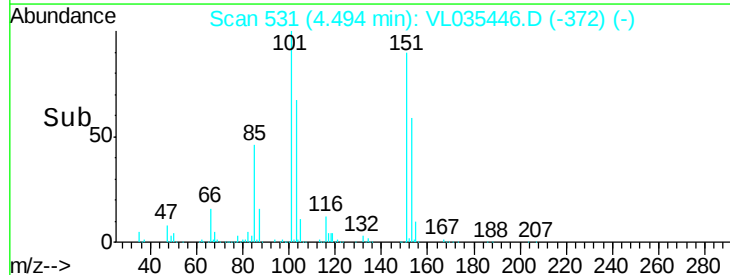
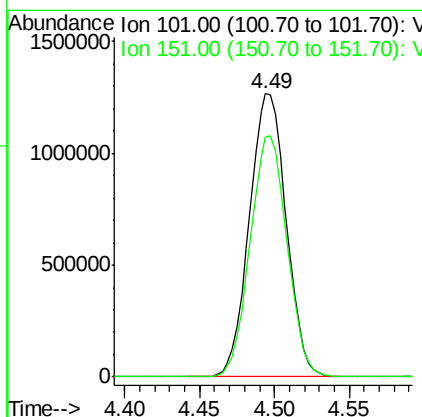
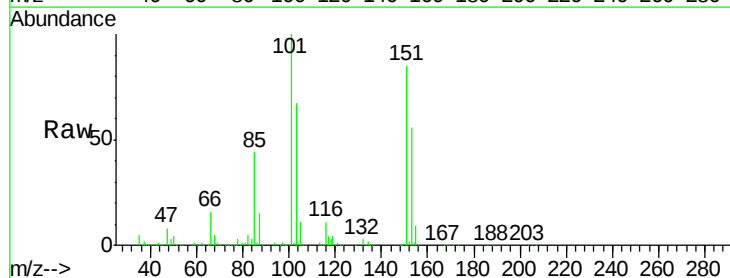
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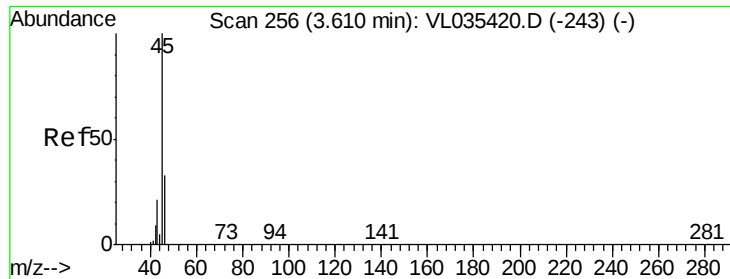
MMDadoda
 8/20/2020 11:07:06 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.422 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion:101 Resp: 2174275
 Ion Ratio Lower Upper
 101 100
 151 85.5 53.6 80.4#





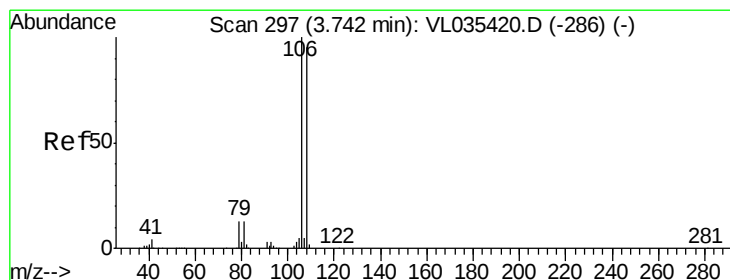
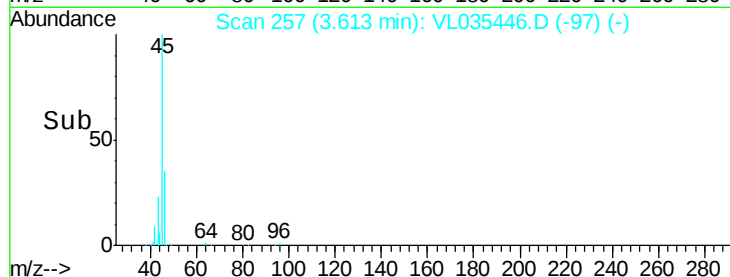
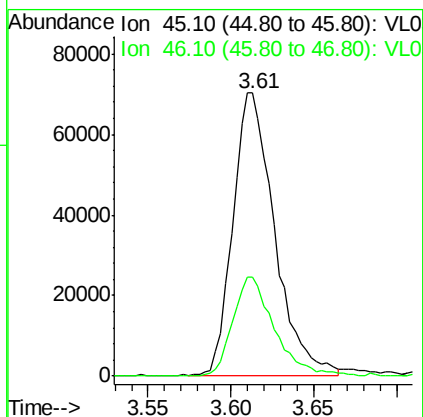
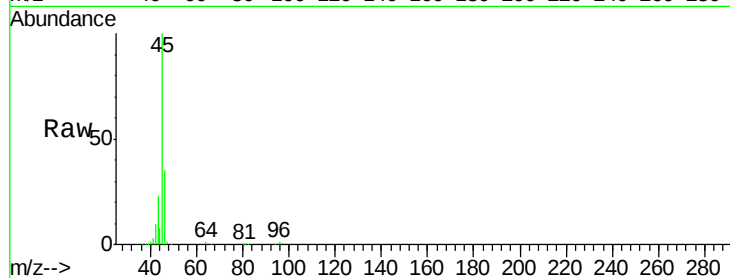
#13
Ethanol
Concen: 6.224 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.7	14.2	56.6

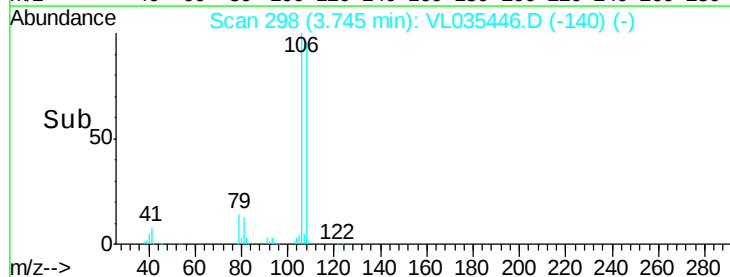
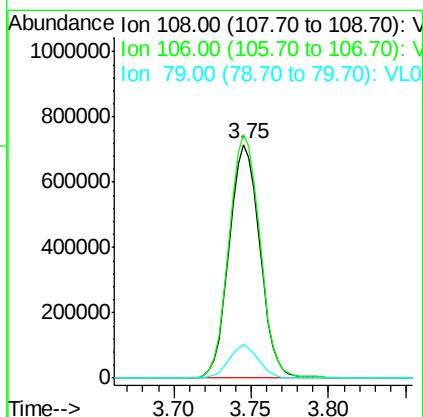
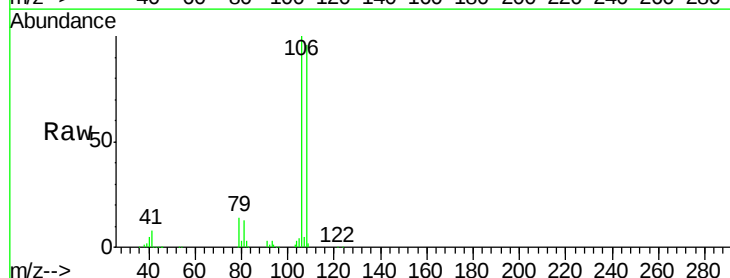
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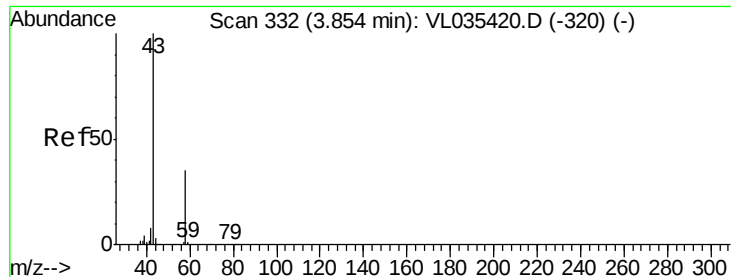
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#14
Bromoethene
Concen: 9.647 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
108	100		
106	105.4	86.7	130.1
79	13.9	16.8	25.2#





#15

Acetone

Concen: 8.375 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 43 Resp: 1026395

Ion Ratio Lower Upper

43 100

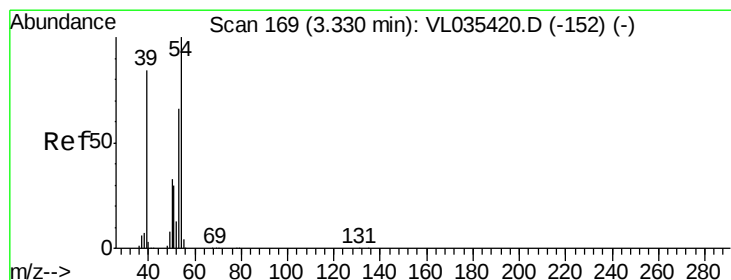
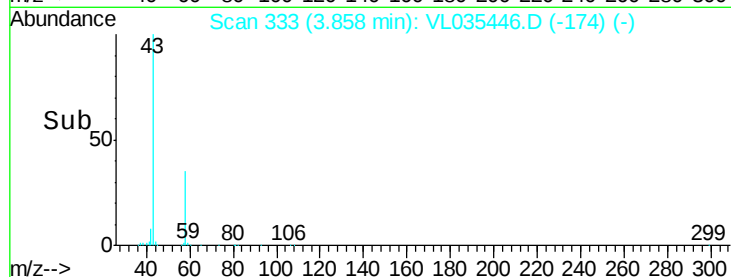
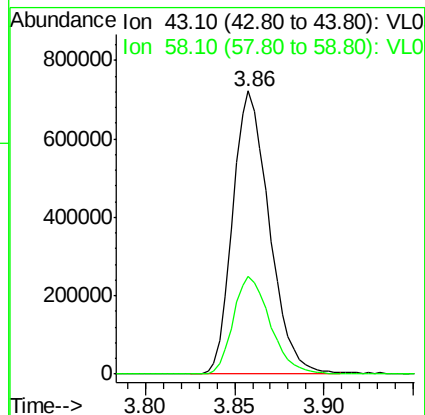
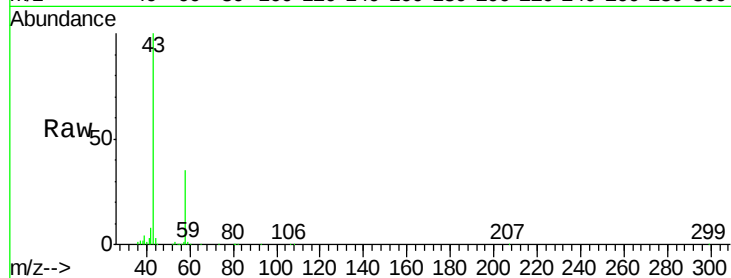
58 35.2 21.0 31.6#

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#16

1,3-Butadiene

Concen: 9.711 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL035446.D

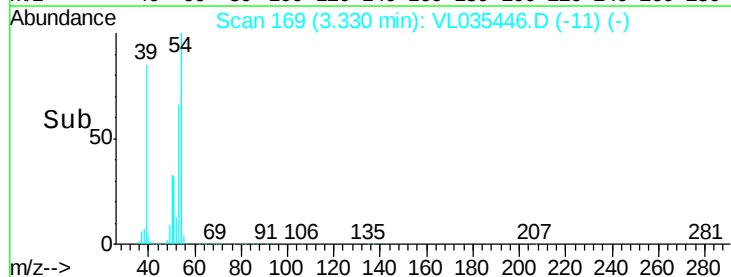
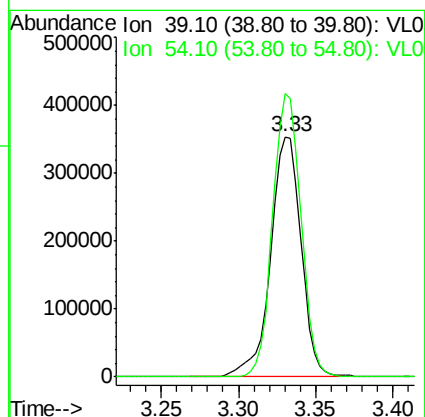
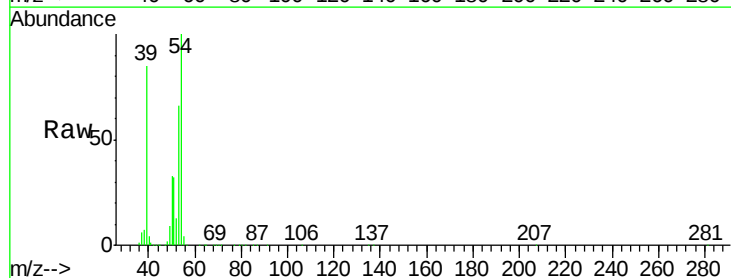
Acq: 18 Aug 2020 17:12

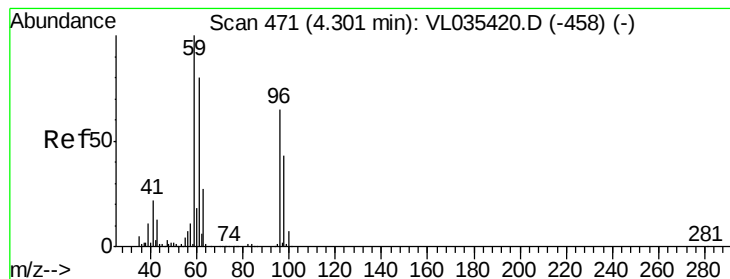
Tgt Ion: 39 Resp: 482659

Ion Ratio Lower Upper

39 100

54 110.5 64.4 96.6#





#17

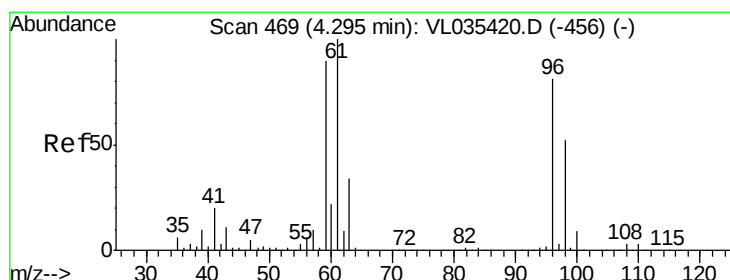
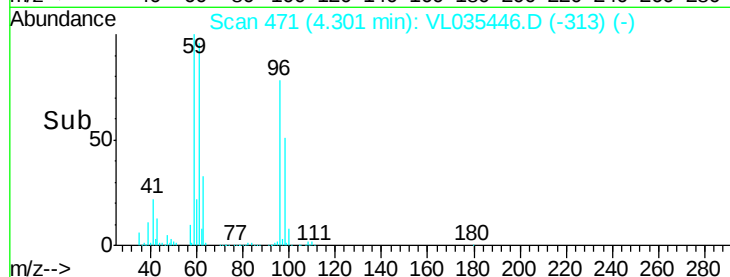
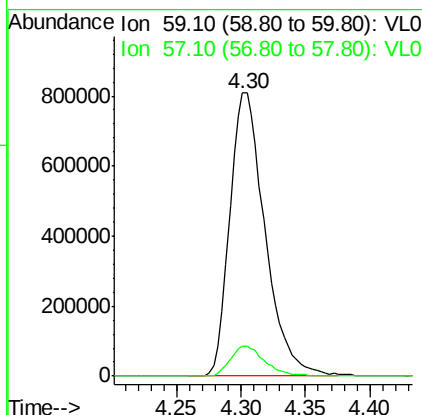
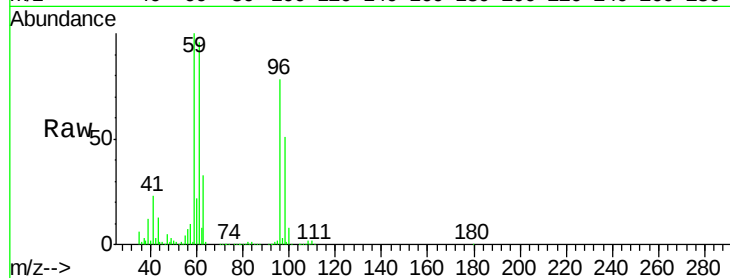
tert-Butyl alcohol
 Concen: 9.690 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0818ABS01

Tot Ion: 59 Resp: 1534943
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.9 13.3

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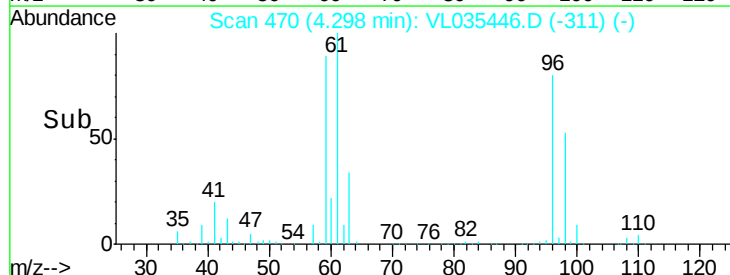
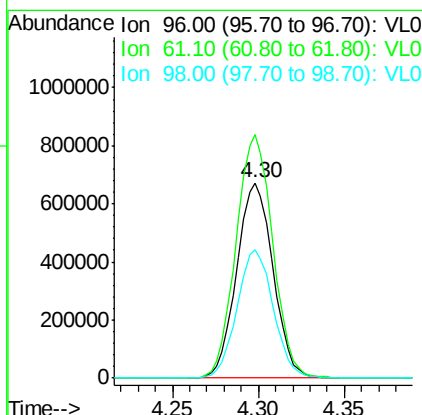
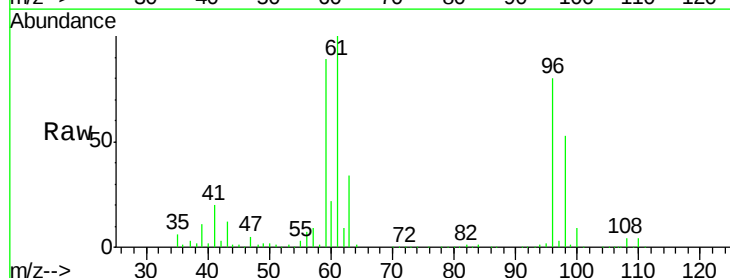
MMDadoda
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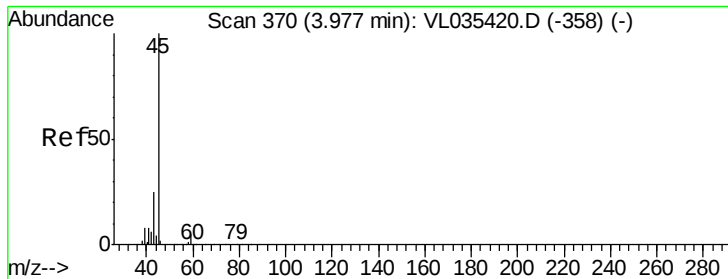


#18

1,1-Dichloroethene
 Concen: 9.710 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion: 96 Resp: 989356
 Ion Ratio Lower Upper
 96 100
 61 124.6 161.8 242.6#
 98 65.8 49.3 73.9





#19

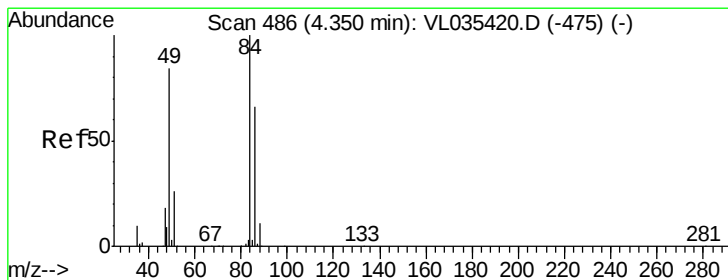
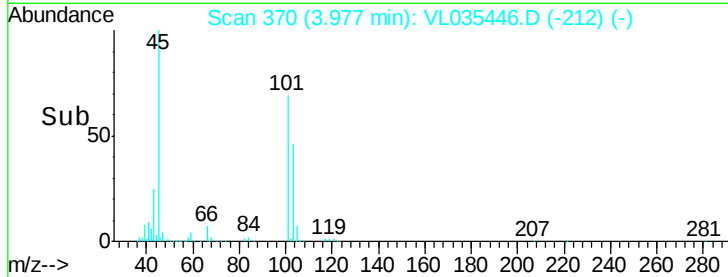
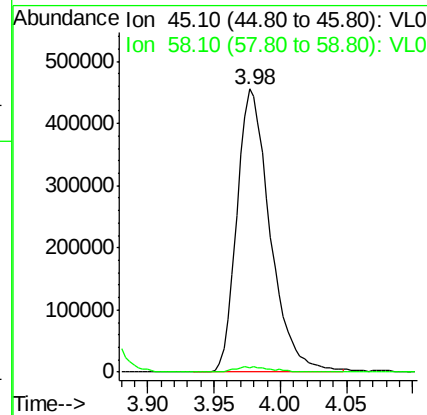
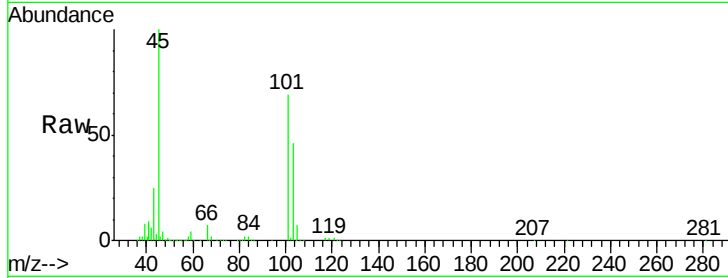
Isopropyl Alcohol
 Concen: 9.381 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.4	1.0	1.6#

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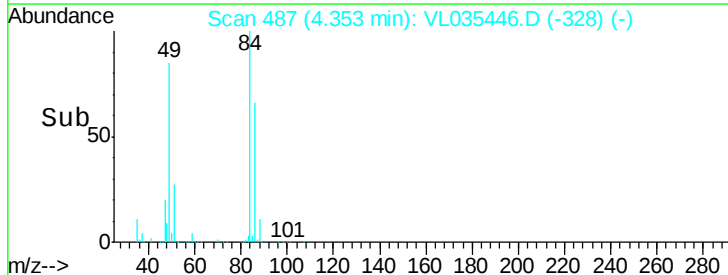
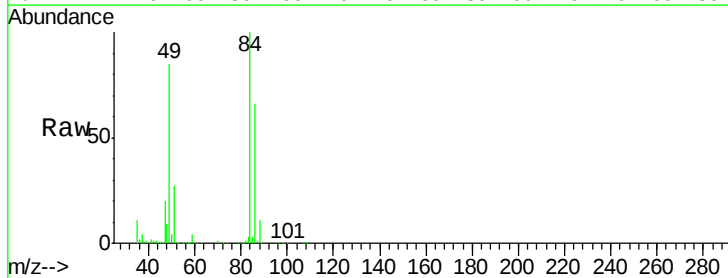
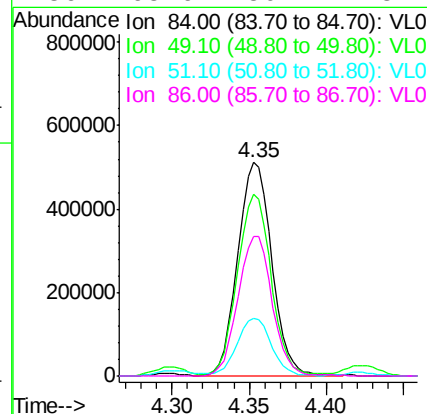
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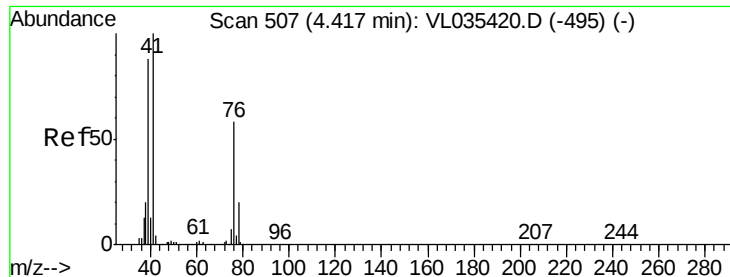


#20

Methylene Chloride
 Concen: 7.848 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	84.3	118.6	177.8#
51	26.2	36.4	54.6#
86	65.6	50.2	75.4





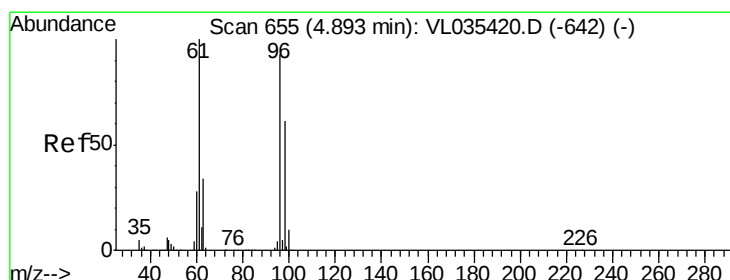
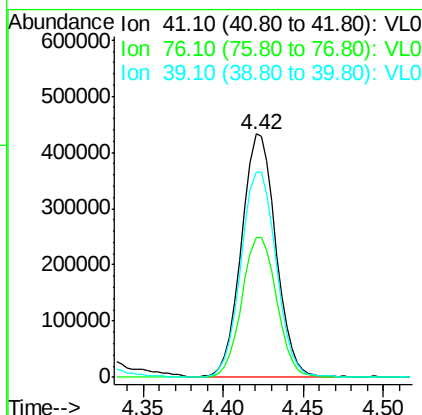
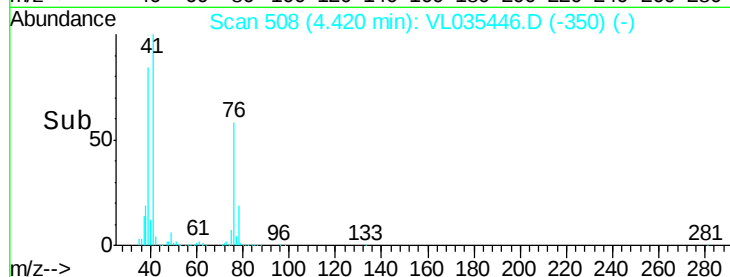
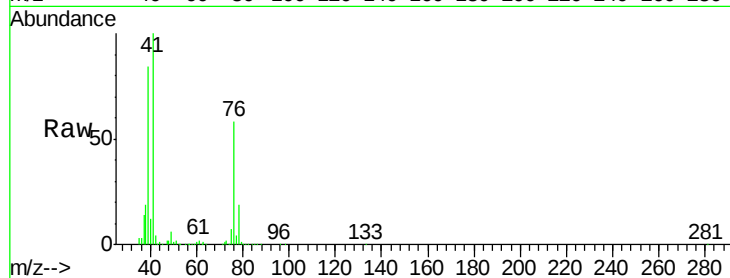
#21
 Allvl Chloride
 Concen: 10.078 ppbv
 RT: 4.42 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	59.0	22.8	34.2#
39	87.0	66.2	99.2

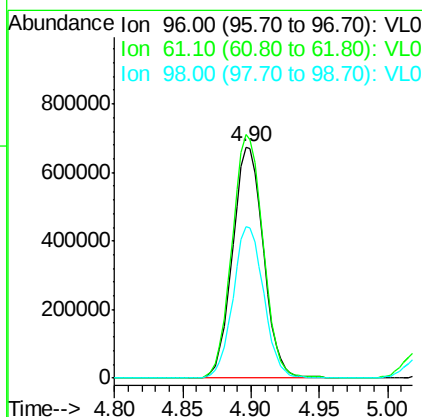
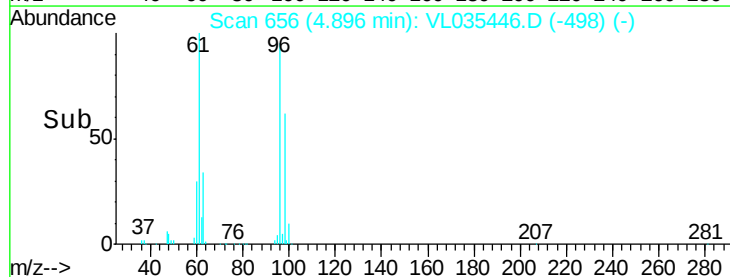
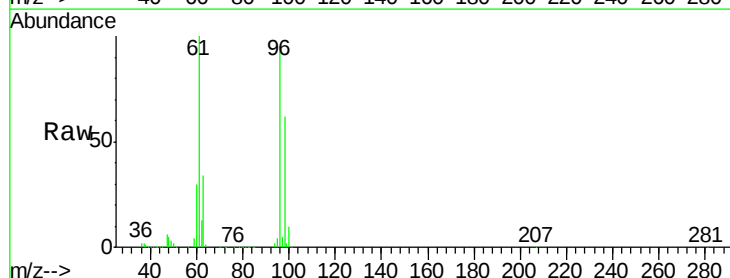
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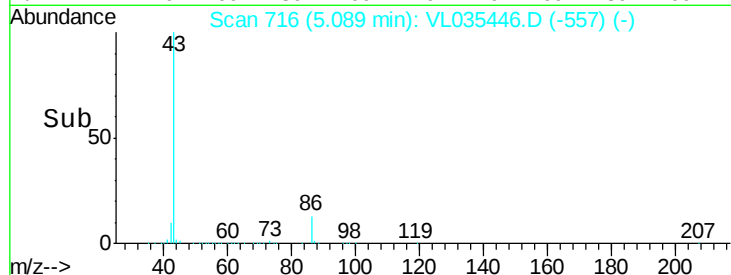
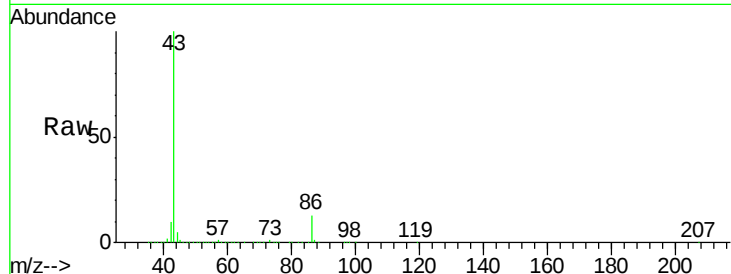
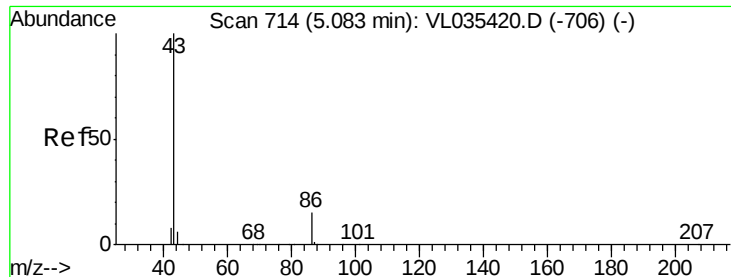
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#22
 trans-1,2-Dichloroethene
 Concen: 9.759 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	105.2	142.2	213.2#
98	65.3	51.8	77.8





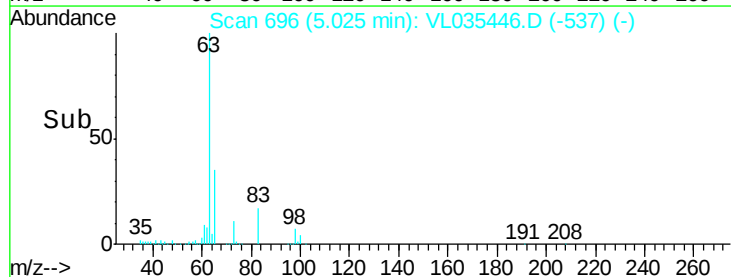
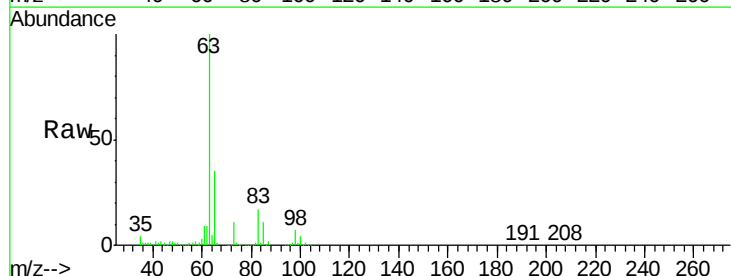
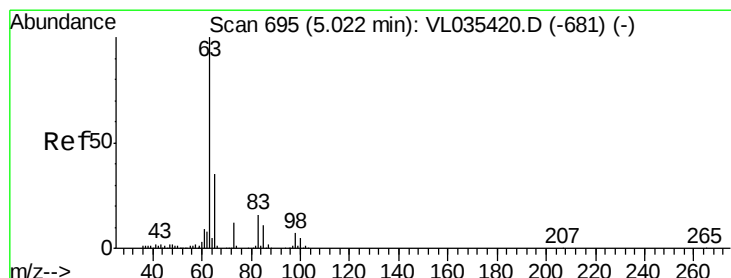
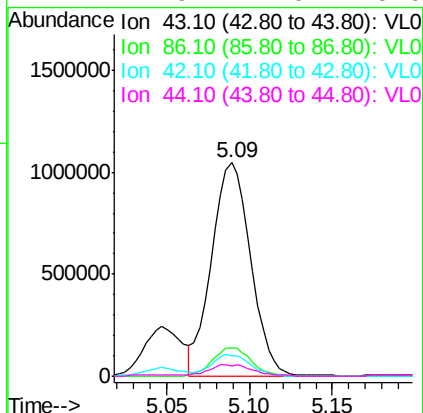
#23
 Vinyl Acetate
 Concen: 9.786 ppbv
 RT: 5.09 min Scan# 716
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tot Ion: 43 Resp: 1714592
 Ion Ratio Lower Upper
 43 100
 86 13.1 6.5 9.7#
 42 9.8 8.3 12.5
 44 4.9 4.0 6.0

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

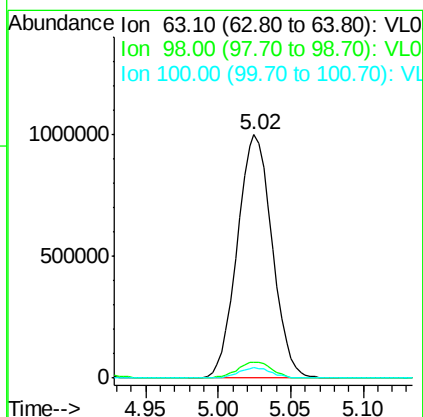
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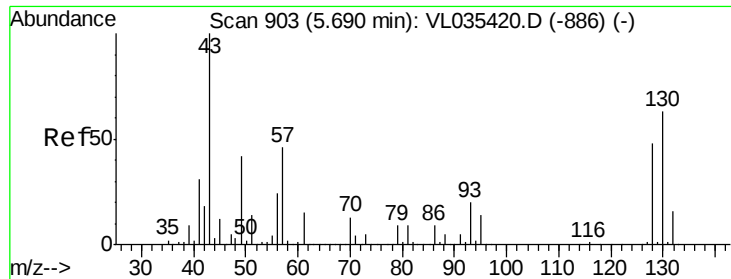
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#24
 1,1-Dichloroethane
 Concen: 9.554 ppbv
 RT: 5.02 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion: 63 Resp: 1670464
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.1 6.5#
 100 4.3 1.3 3.8#





#25
Ethyl Acetate
Concen: 9.153 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

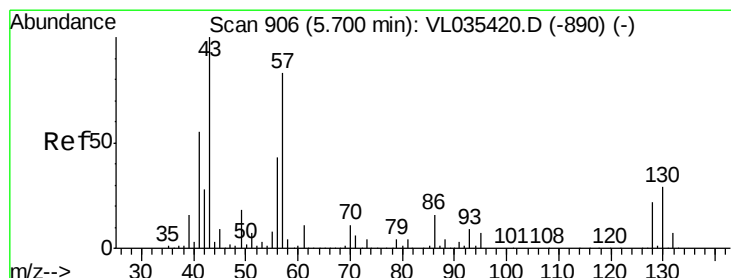
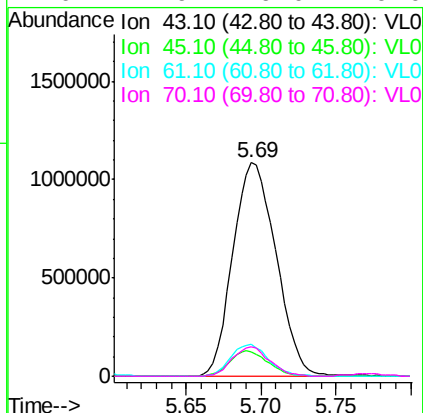
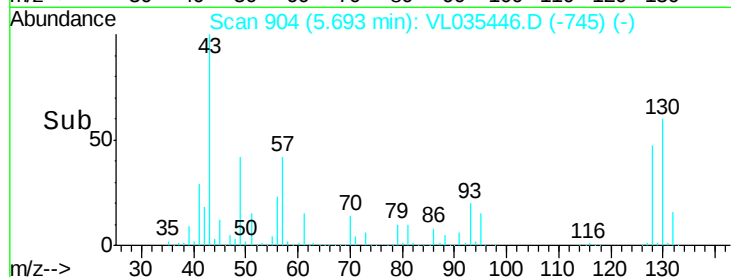
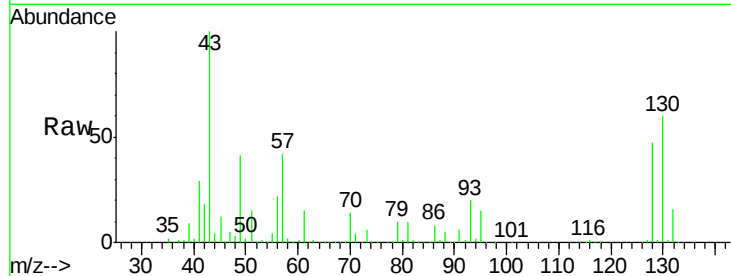
Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion: 43 Resp: 2182980

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.3	12.5
61	13.2	7.6	11.4#
70	11.9	6.0	9.0#

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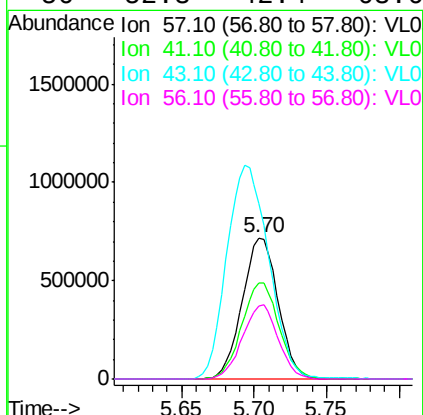
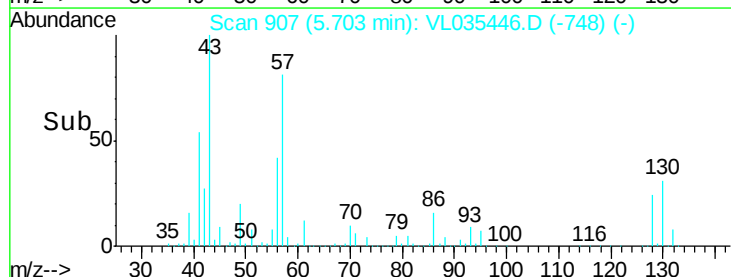
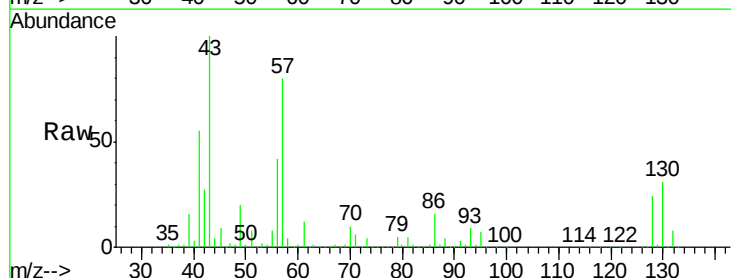
MMDadoda
8/20/2020 11:07:06 AM

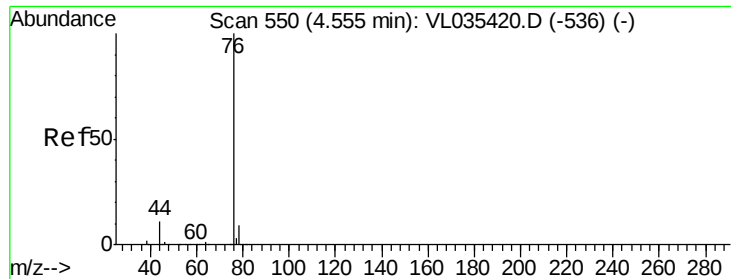


#26
Hexane
Concen: 9.197 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion: 57 Resp: 1237775

Ion	Ratio	Lower	Upper
57	100		
41	71.6	75.5	113.3#
43	177.5	181.7	272.5#
56	52.3	42.4	63.6





#27

Carbon Disulfide

Concen: 10.512 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 76 Resp: 2044943

Ion Ratio Lower Upper

76 100

44 11.6 16.8 25.2#

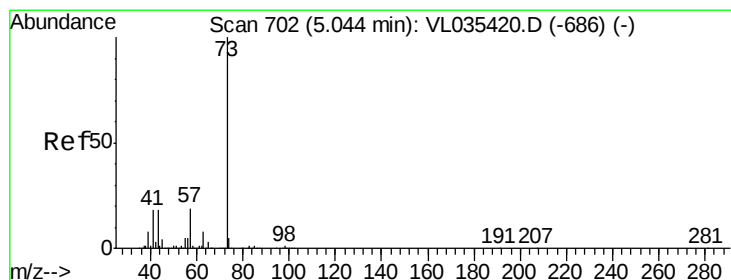
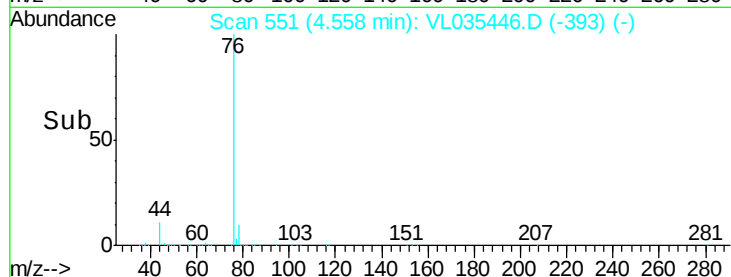
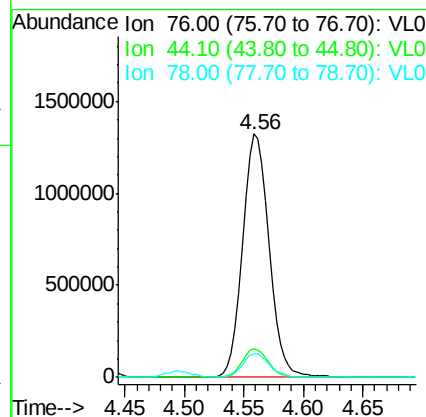
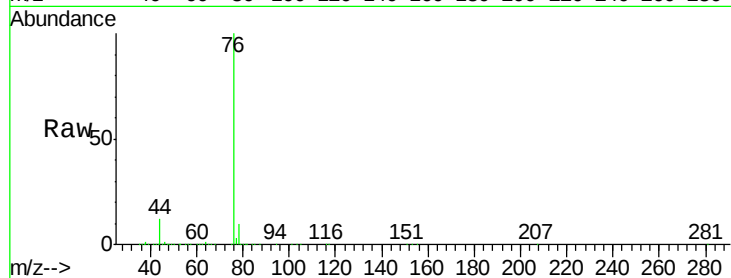
78 9.6 7.3 10.9

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#28

Methyl tert-Butyl Ether

Concen: 9.440 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.01 min

Lab File: VL035446.D

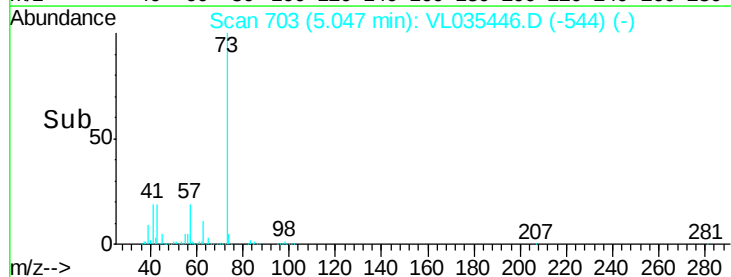
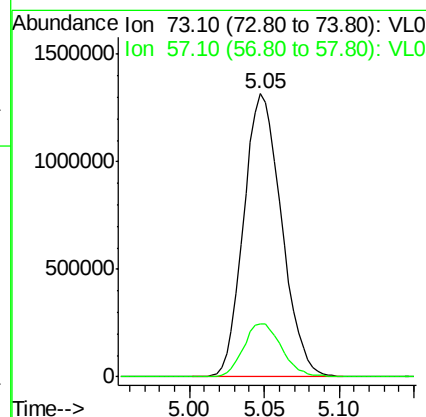
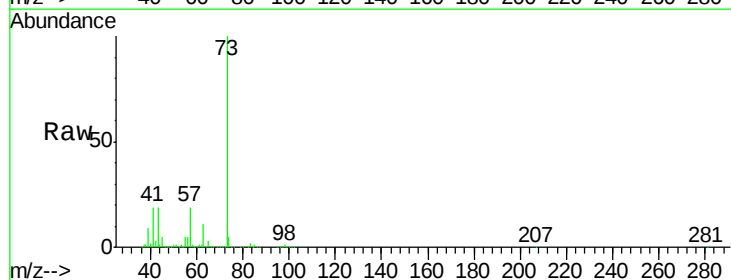
Acq: 18 Aug 2020 17:12

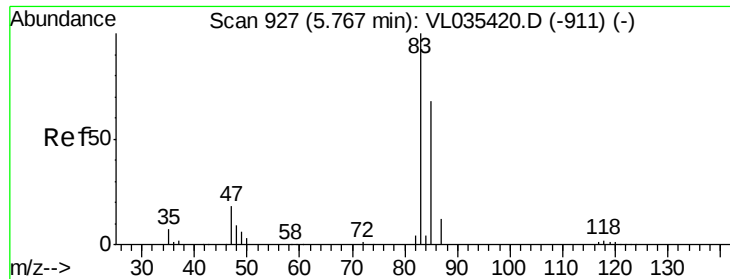
Tgt Ion: 73 Resp: 2320852

Ion Ratio Lower Upper

73 100

57 19.0 18.3 27.5





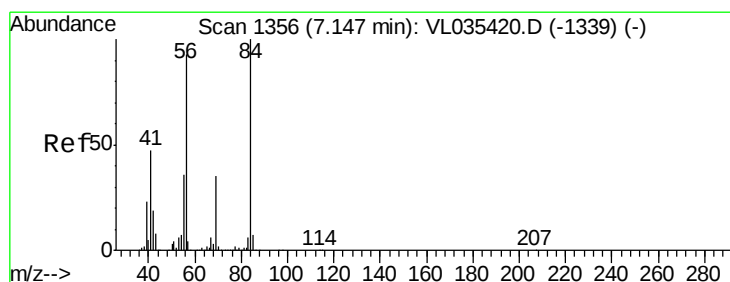
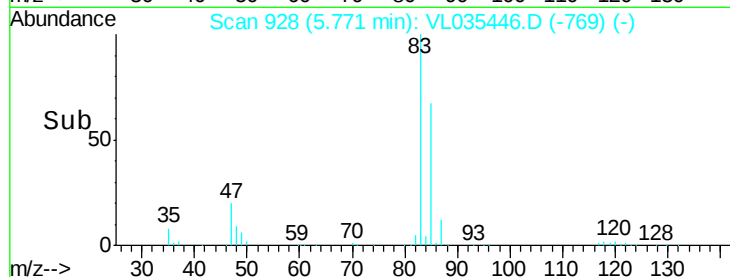
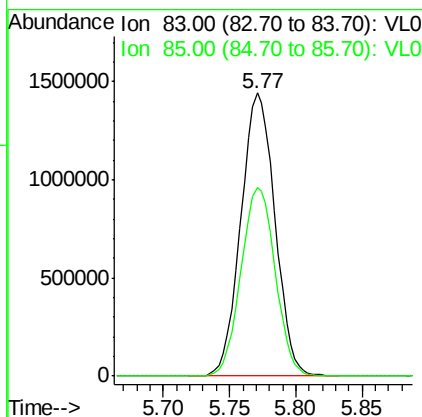
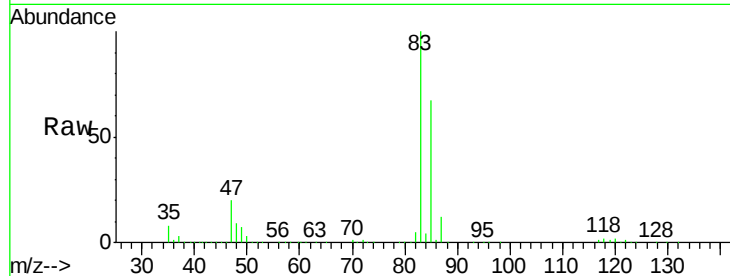
#29
Chloroform
Concen: 9.540 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion: 83 Resp: 2579635
Ion Ratio Lower Upper
83 100
85 66.6 52.7 79.1

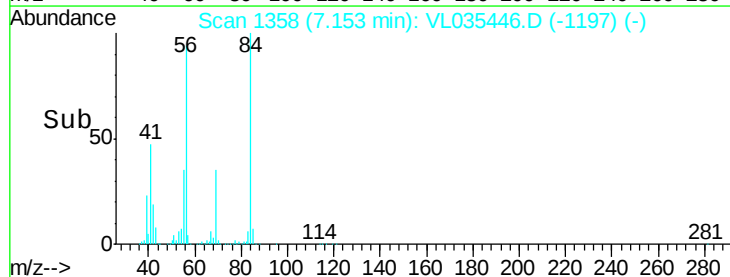
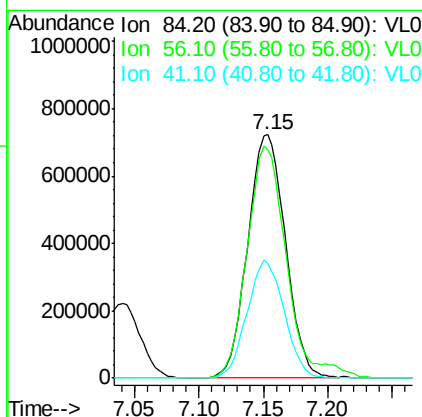
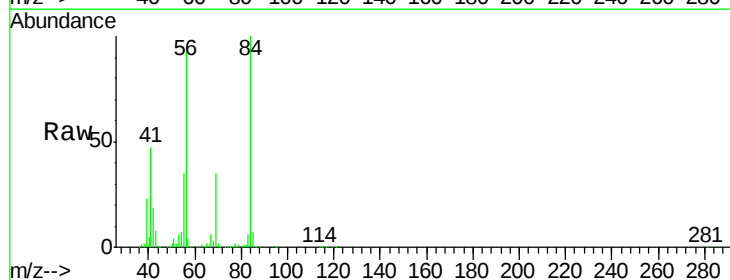
Manual Integrations
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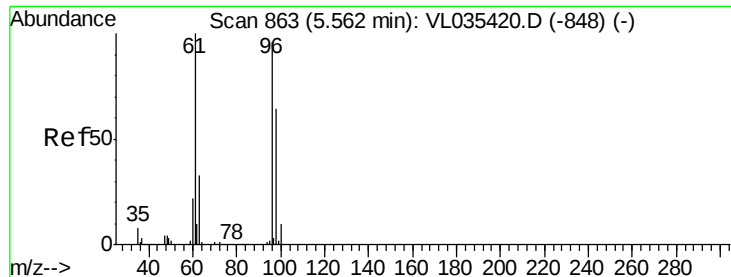
MMDadoda
8/20/2020 11:07:06 AM



#30
Cyclohexane
Concen: 9.894 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.02 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion: 84 Resp: 1477345
Ion Ratio Lower Upper
84 100
56 99.7 114.9 172.3#
41 47.5 72.3 108.5#





#31

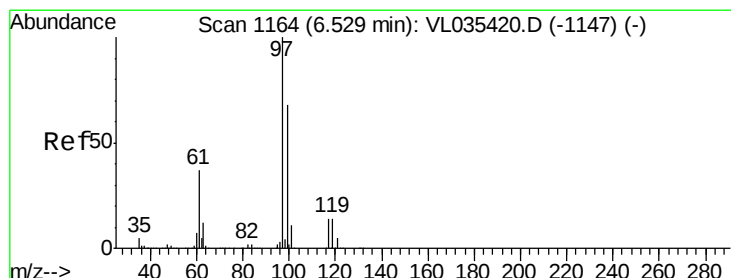
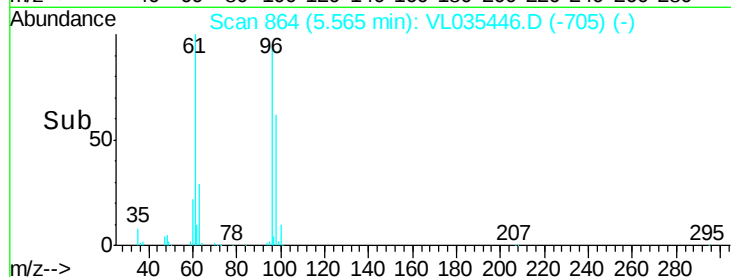
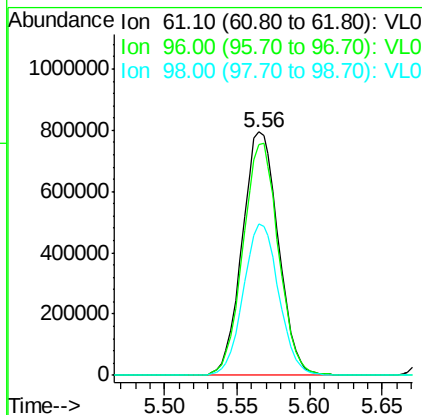
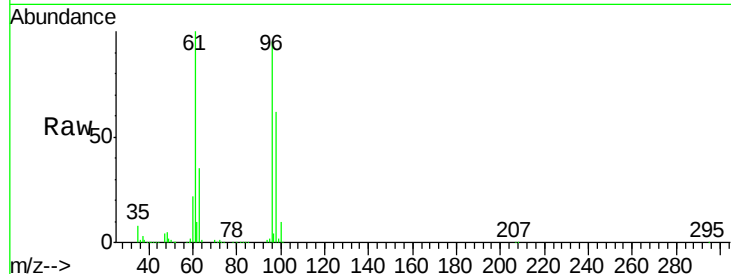
cis-1,2-Dichloroethene
 Concen: 9.745 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	94.9	51.4	77.0#
98	62.1	32.9	49.3#

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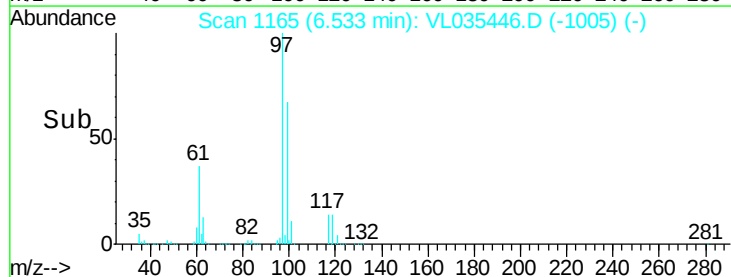
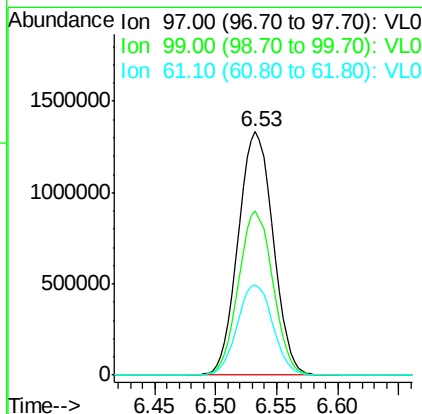
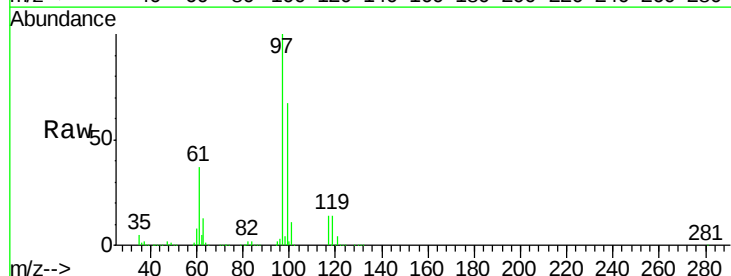
MMDadoda
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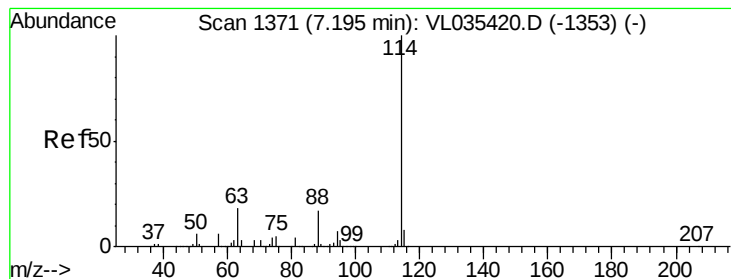


#32

1,1,1-Trichloroethane
 Concen: 10.424 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.4	77.0
61	37.6	41.0	61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1373

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion:114 Resp: 4872559

Ion Ratio Lower Upper

114 100

63 17.9 23.1 34.7#

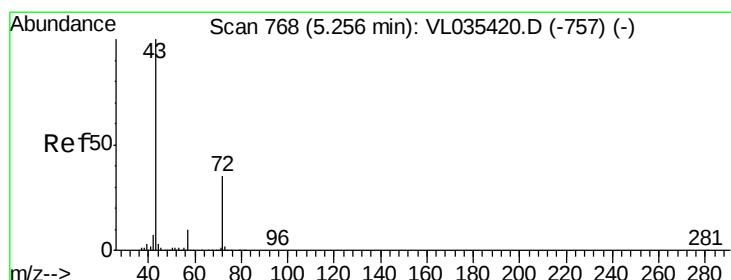
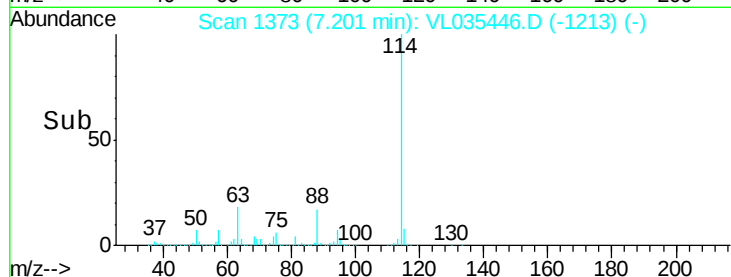
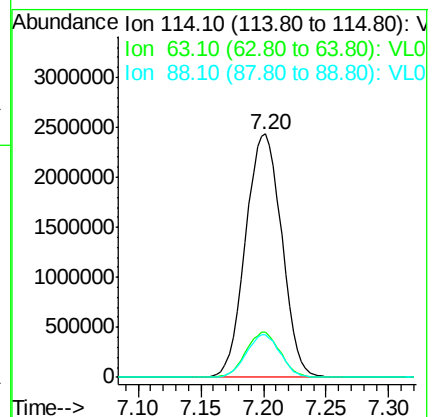
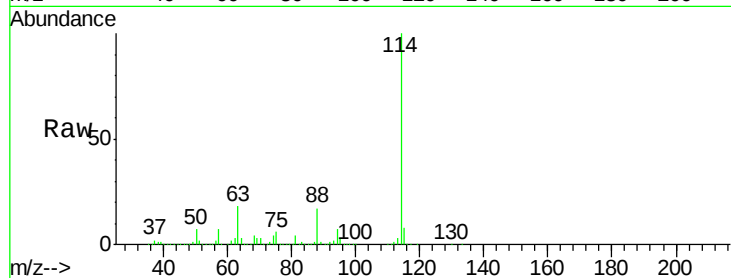
88 16.5 15.9 23.9

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#34

2-Butanone

Concen: 9.447 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL035446.D

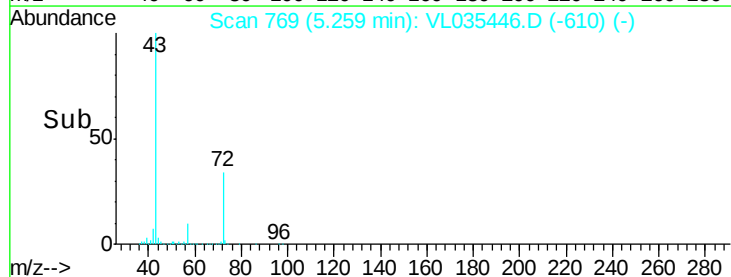
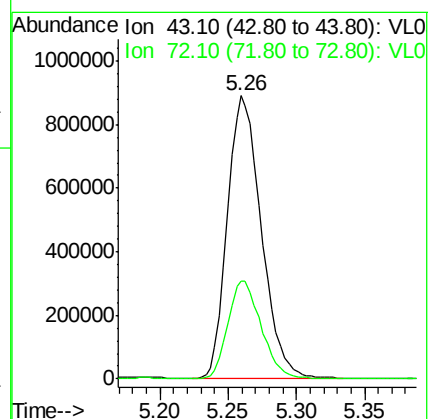
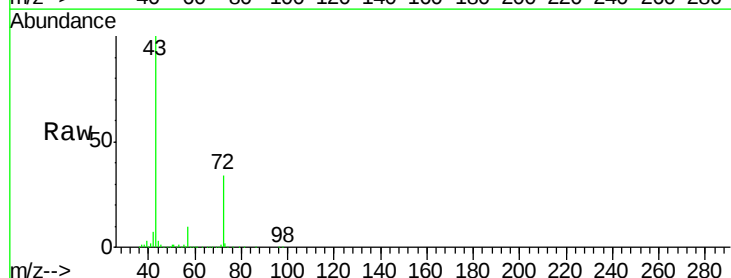
Acq: 18 Aug 2020 17:12

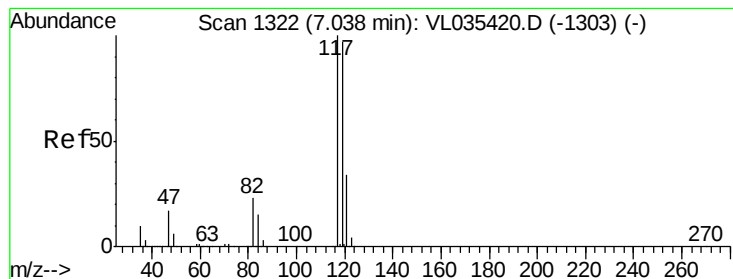
Tgt Ion: 43 Resp: 1537895

Ion Ratio Lower Upper

43 100

72 34.3 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 10.994 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion:117 Resp: 2848991

Ion Ratio Lower Upper

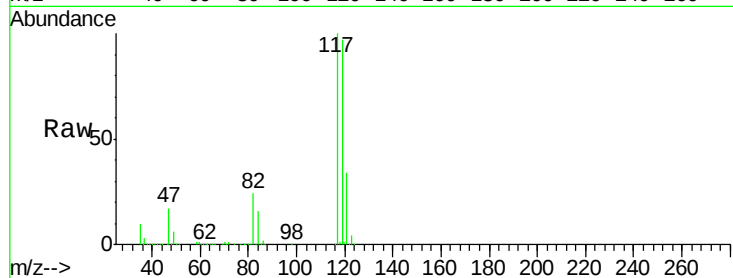
117 100

119 96.6 76.1 114.1

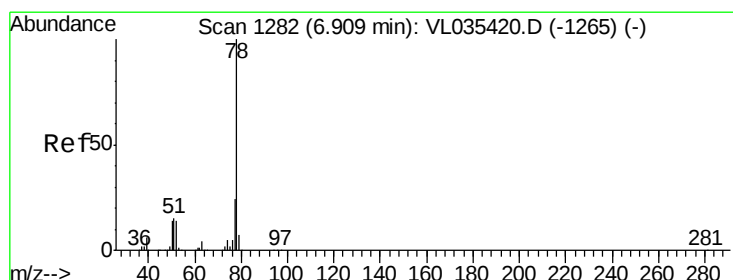
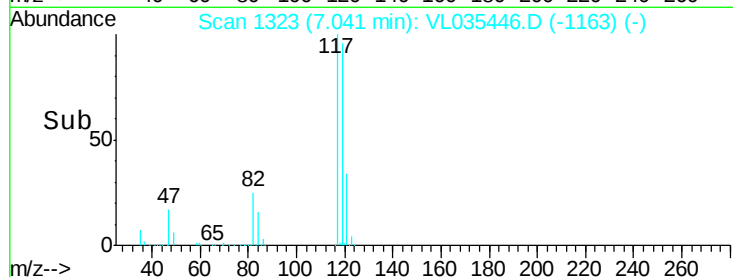
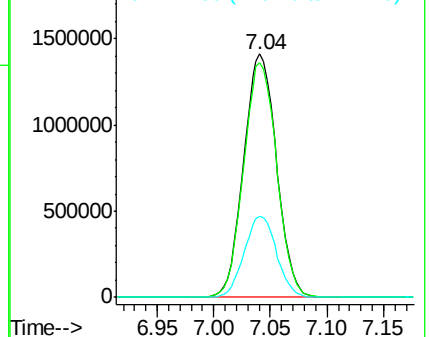
121 33.6 25.5 38.3

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.317 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

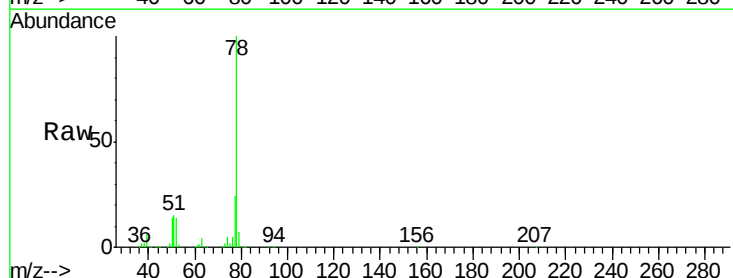
Tgt Ion: 78 Resp: 3331803

Ion Ratio Lower Upper

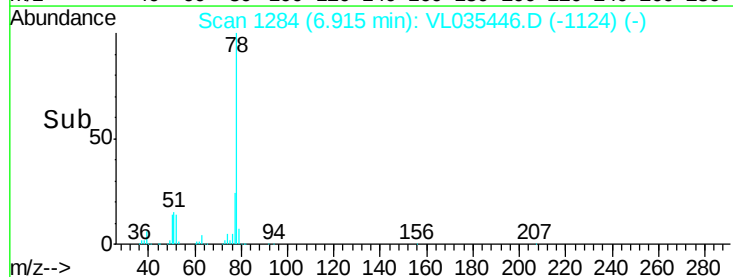
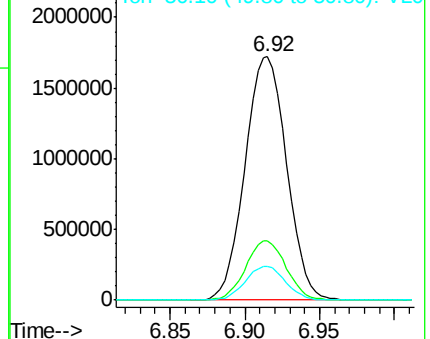
78 100

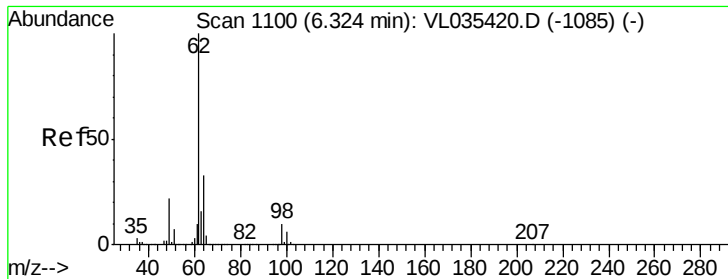
77 24.1 19.6 29.4

50 13.7 16.3 24.5#



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





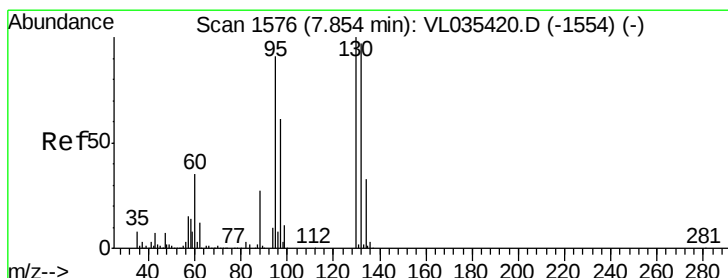
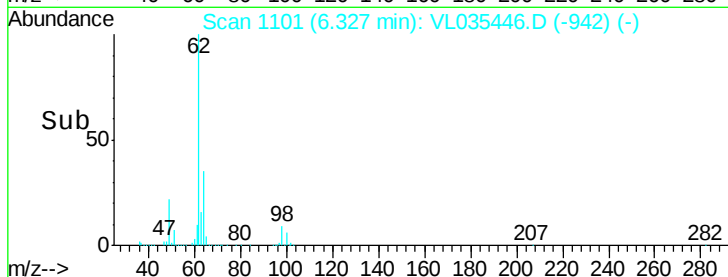
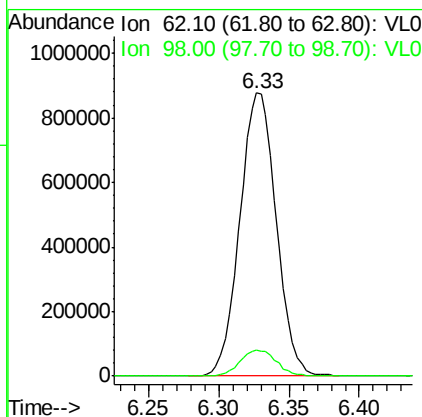
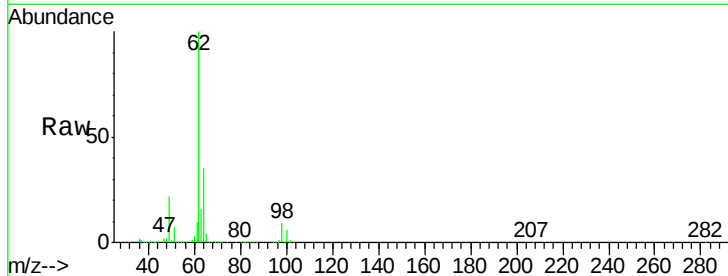
#37
 1,2-Dichloroethane
 Concen: 9.713 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion: 62 Resp: 1587496
 Ion Ratio Lower Upper
 62 100
 98 9.3 4.6 7.0#

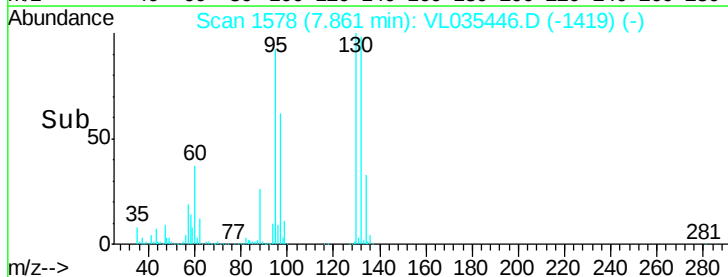
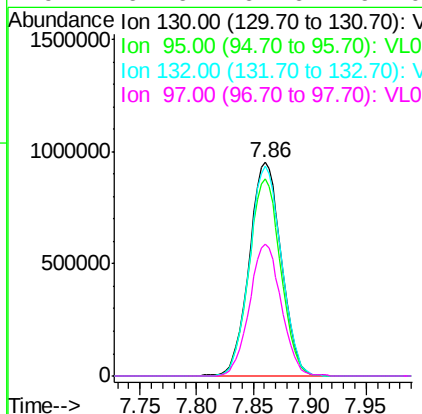
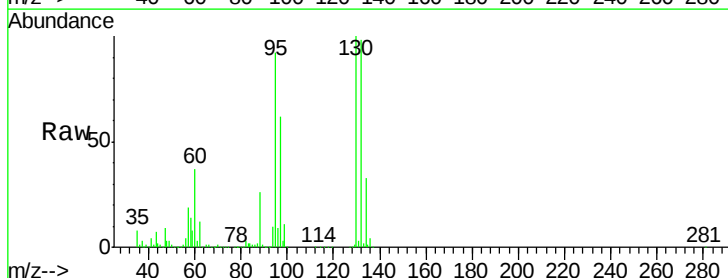
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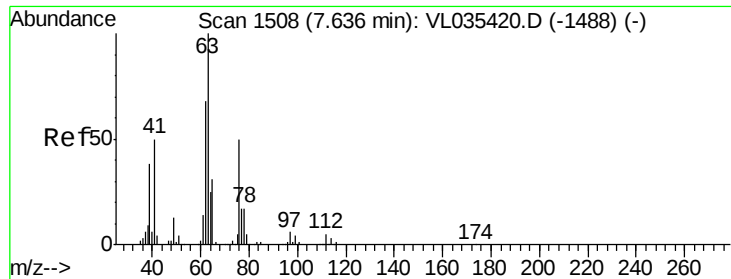
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#38
 Trichloroethene
 Concen: 9.446 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion:130 Resp: 1879161
 Ion Ratio Lower Upper
 130 100
 95 92.3 95.8 143.8#
 132 98.1 74.3 111.5
 97 61.6 62.6 94.0#





#39

1,2-Dichloropropane

Concen: 9.501 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 63 Resp: 1119775

Ion Ratio Lower Upper

63 100

41 51.8 61.1 91.7#

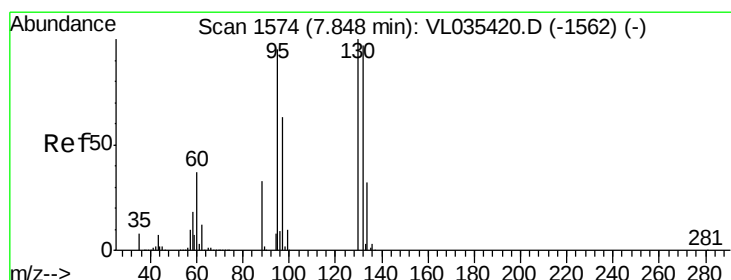
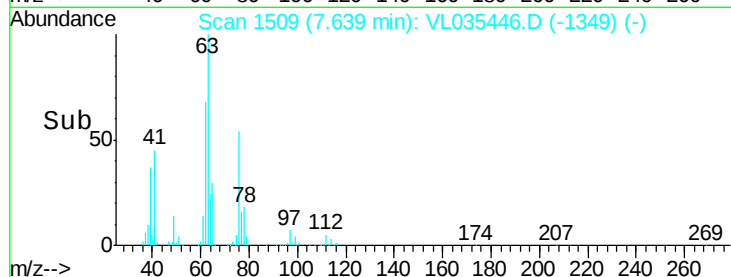
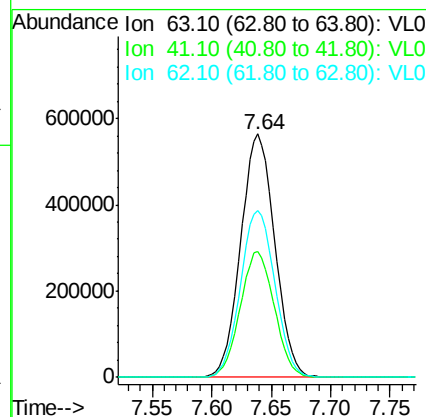
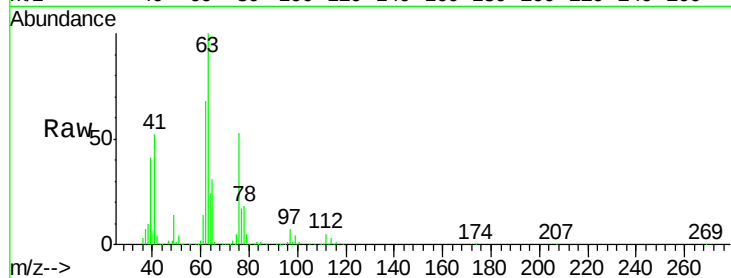
62 68.3 55.3 82.9

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#40

1,4-Dioxane

Concen: 9.394 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion: 88 Resp: 603125

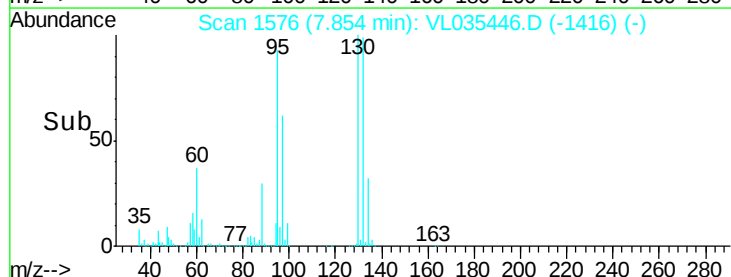
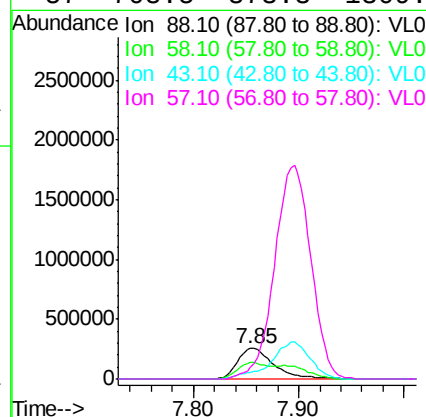
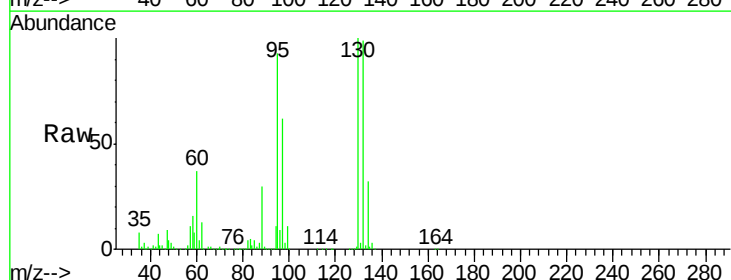
Ion Ratio Lower Upper

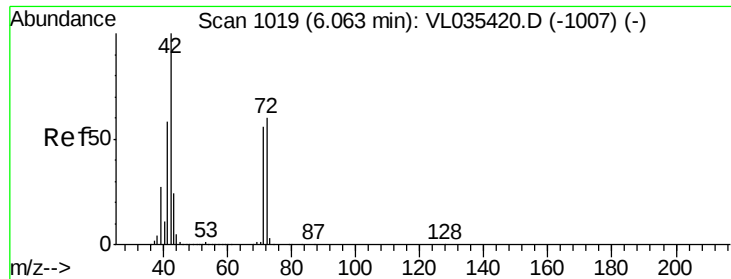
88 100

58 86.3 106.6 160.0#

43 131.9 209.7 314.5#

57 708.5 873.3 1309.9#





#41

Tetrahydrofuran

Concen: 9.945 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

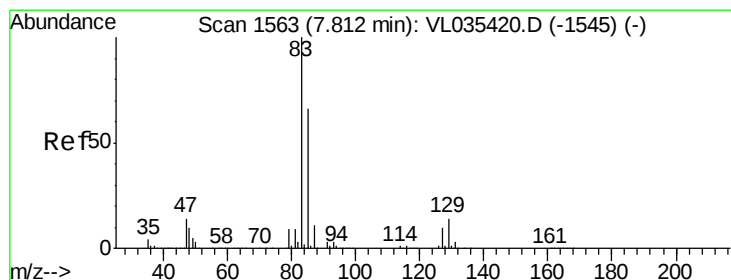
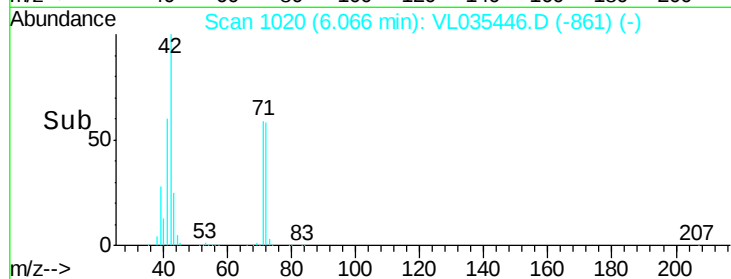
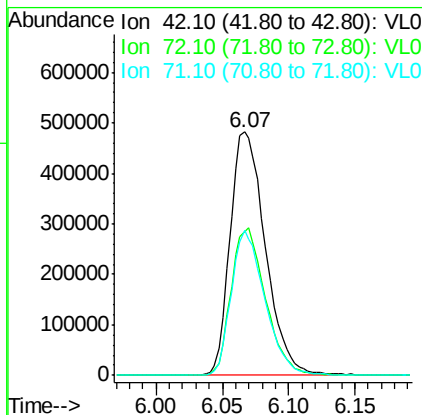
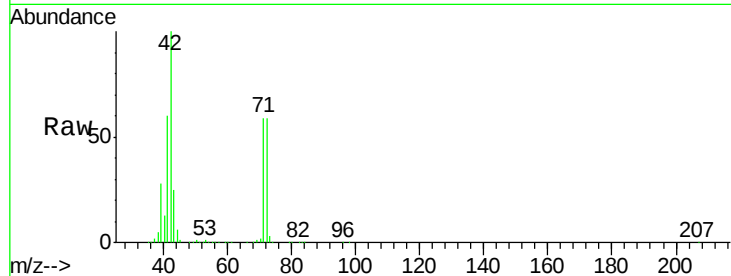
ClientSampleId :

VL0818ABS01

Tot Ion:	42	Resp:	893030
Ion Ratio		Lower	Upper
42	100		
72	59.3	29.4	44.2#
71	56.9	28.9	43.3#

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#42

Bromodichloromethane

Concen: 10.105 ppbv

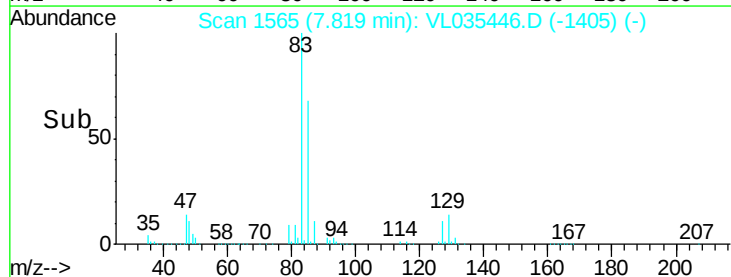
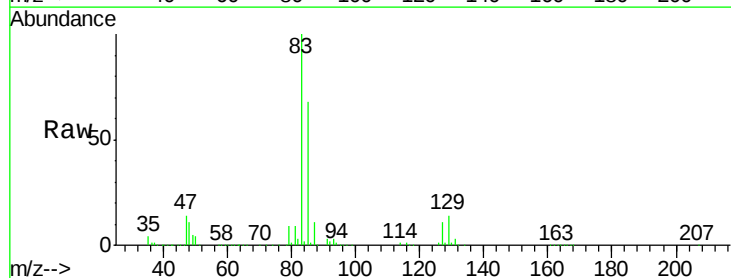
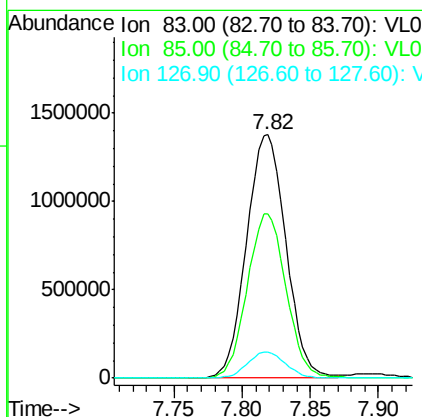
RT: 7.82 min Scan# 1565

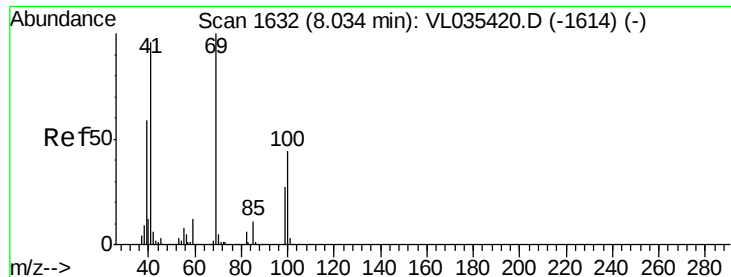
Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion:	83	Resp:	2763674
Ion Ratio		Lower	Upper
83	100		
85	67.5	54.8	82.2
127	10.8	6.1	9.1#





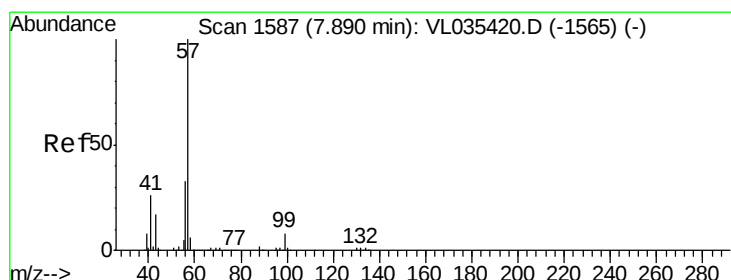
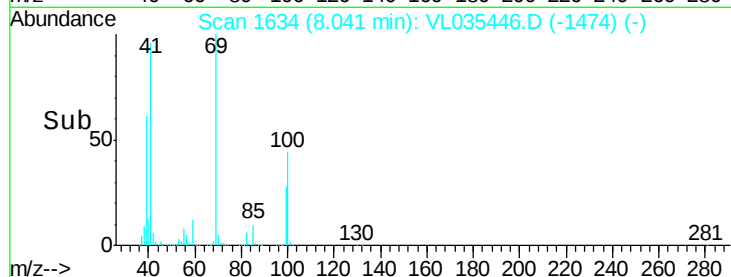
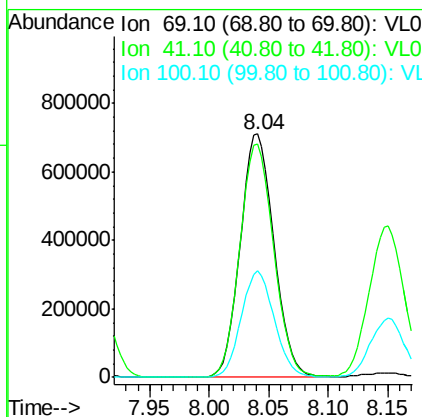
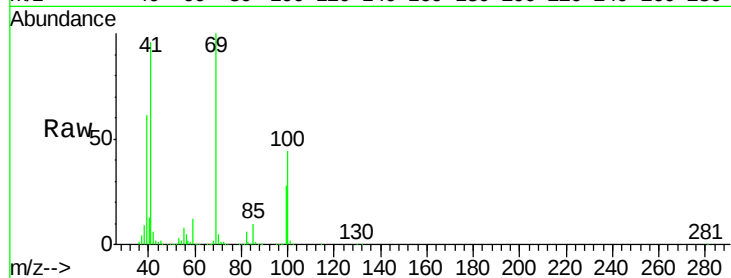
#43
Methvl Methacrylate
Concen: 9.973 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion: 69 Resp: 1394726
Ion Ratio Lower Upper
69 100
41 96.6 123.4 185.0#
100 42.8 24.2 36.4#

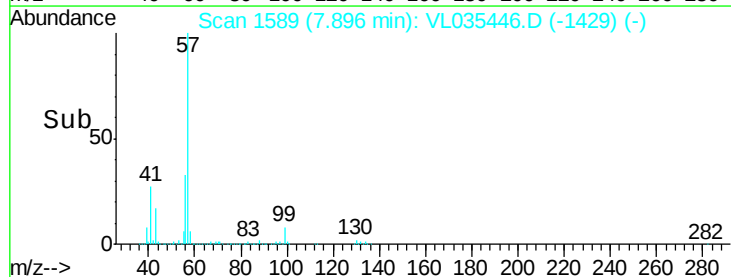
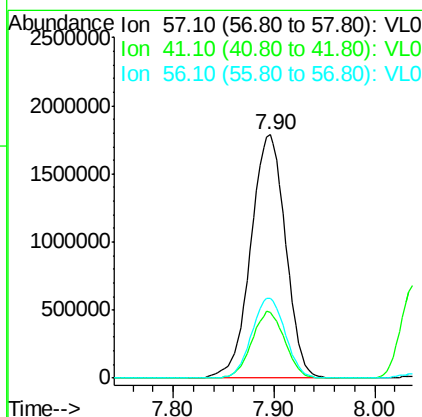
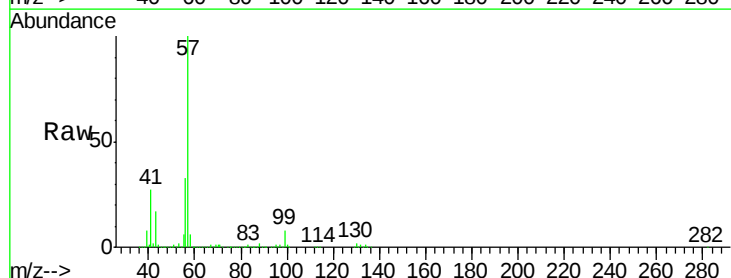
Manual Integrations
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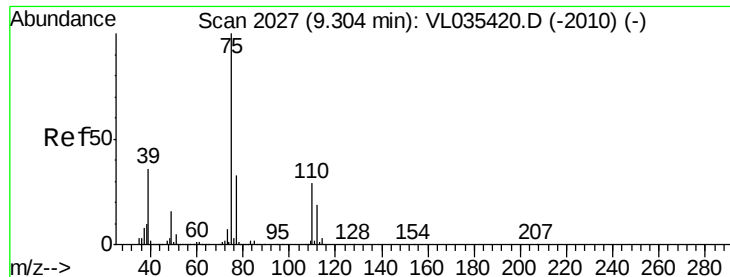
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#44
2,2,4-Trimethylpentane
Concen: 9.141 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion: 57 Resp: 4268804
Ion Ratio Lower Upper
57 100
41 25.9 27.2 40.8#
56 31.7 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 11.070 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 75 Resp: 1594645

Ion Ratio Lower Upper

75 100

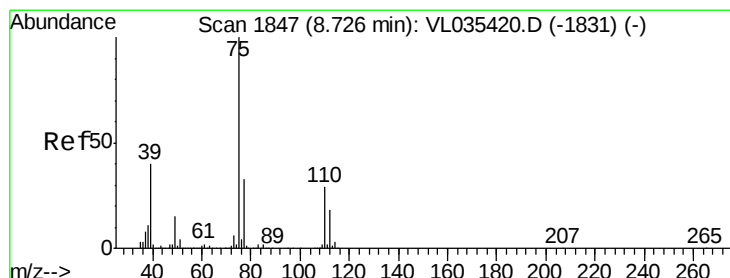
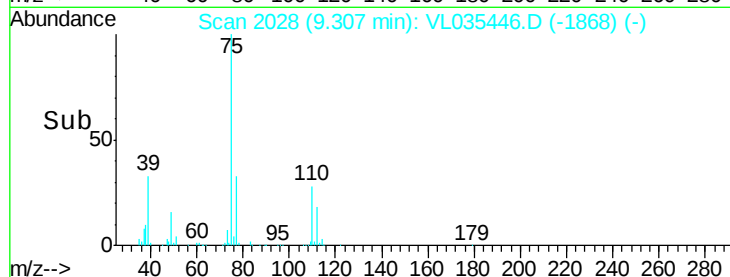
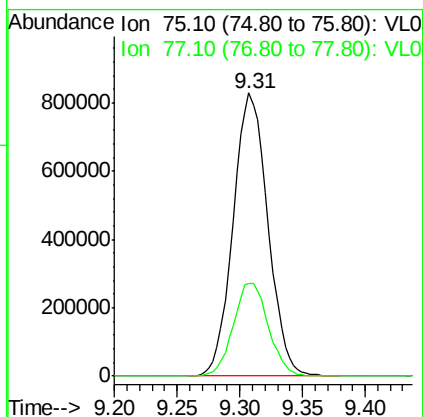
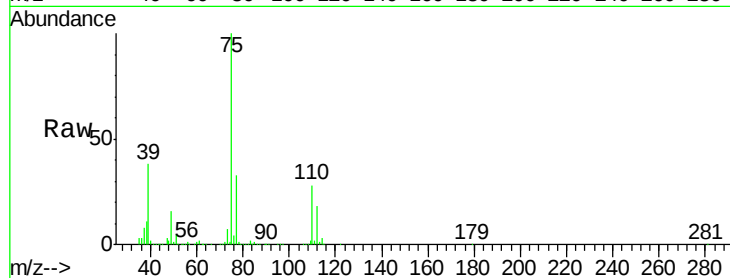
77 32.8 25.0 37.6

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#46

cis-1,3-Dichloropropene

Concen: 10.652 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

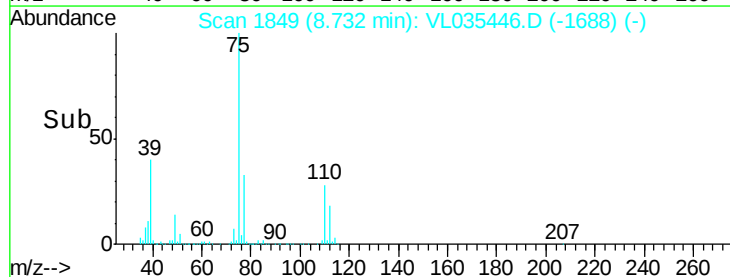
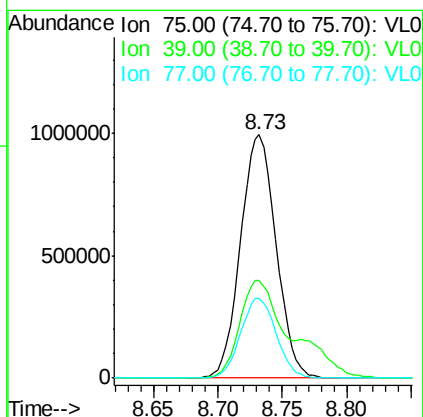
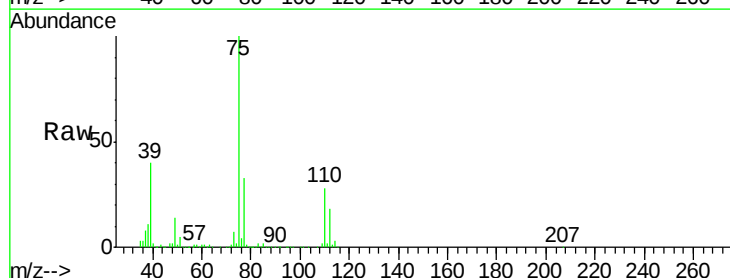
Tgt Ion: 75 Resp: 1911600

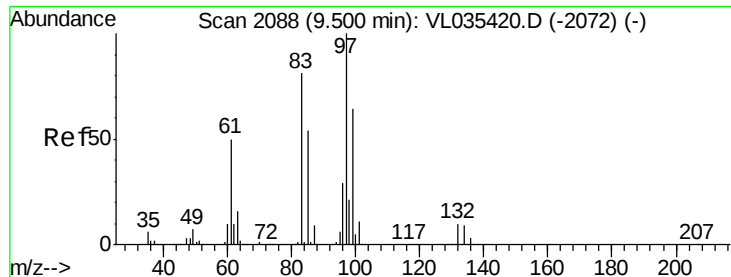
Ion Ratio Lower Upper

75 100

39 39.9 55.8 83.6#

77 32.6 25.6 38.4





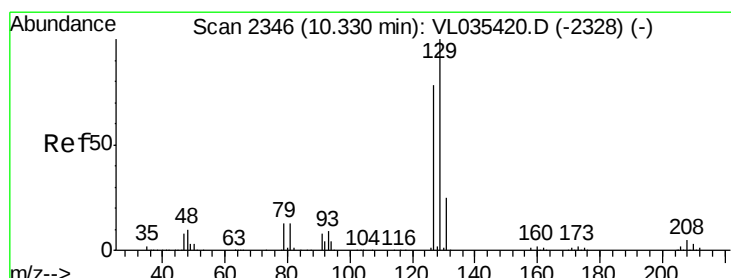
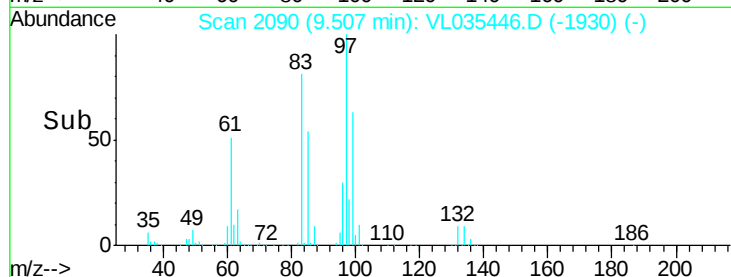
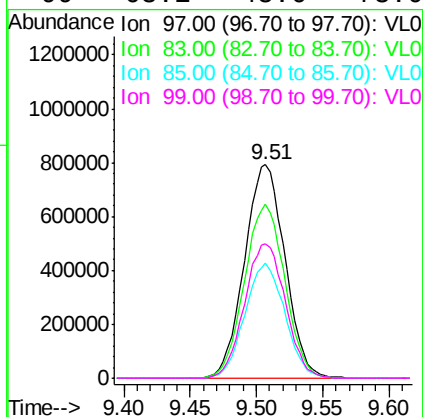
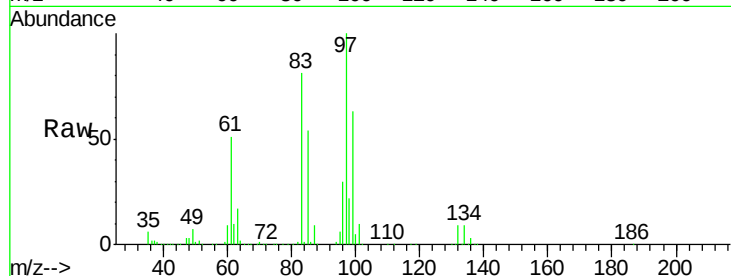
#47
 1,1,2-Trichloroethane
 Concen: 9.572 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	81.3	72.1	108.1	
85	54.2	46.8	70.2	
99	63.1	48.6	73.0	

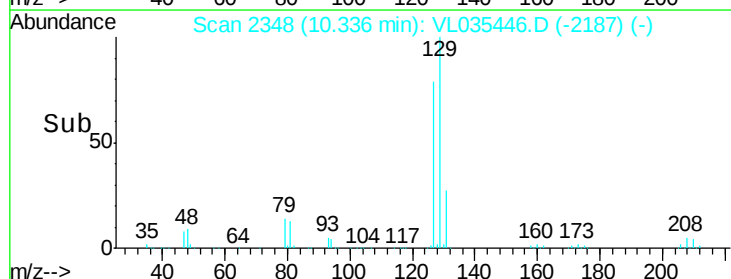
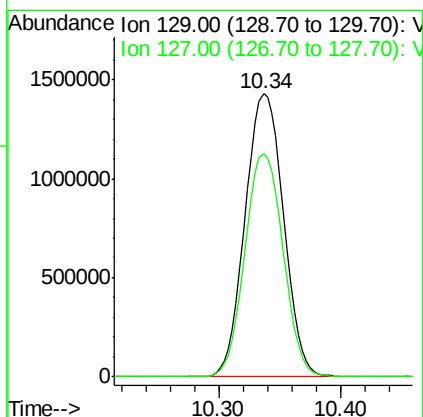
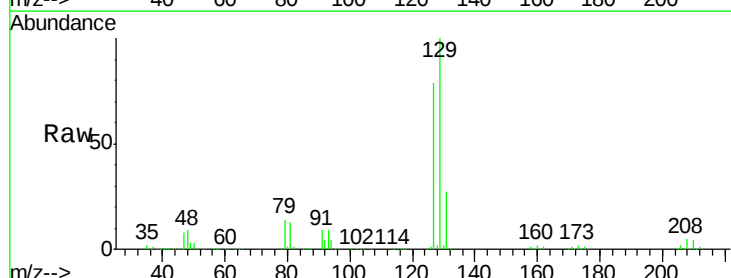
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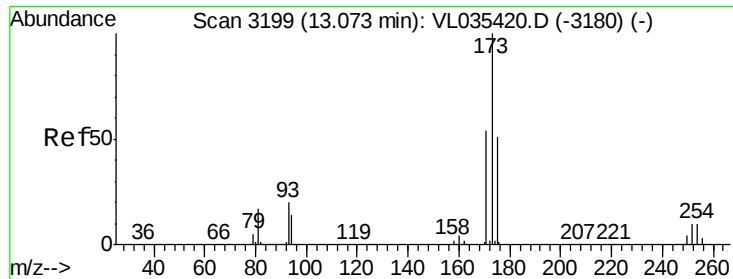
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#48
 Dibromochloromethane
 Concen: 10.544 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.02 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.4	39.5	118.5	





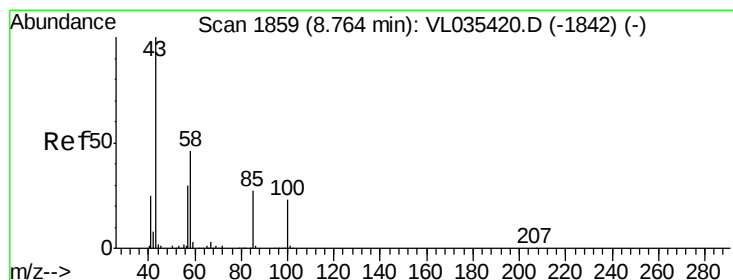
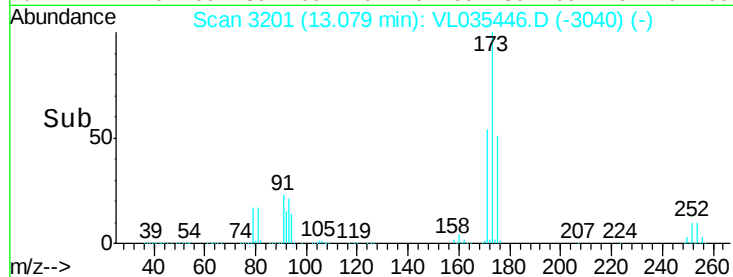
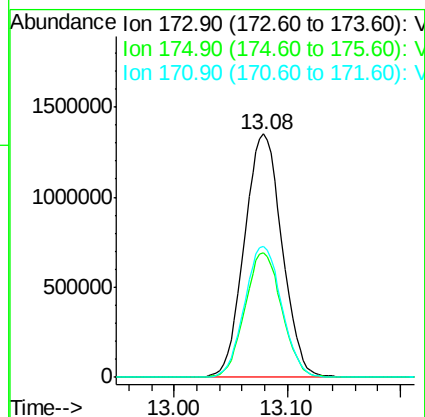
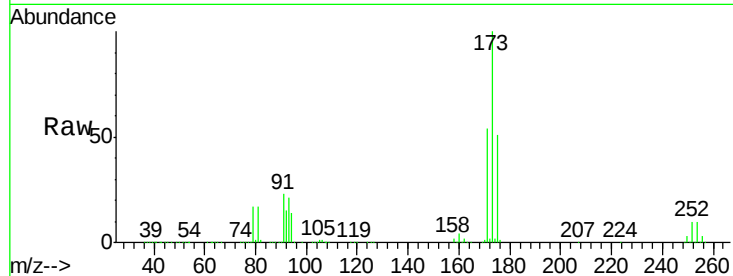
#49
Bromoform
Concen: 10.976 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. 0.02 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion:173 Resp: 3122813
Ion Ratio Lower Upper
173 100
175 50.4 39.8 59.8
171 53.4 42.4 63.6

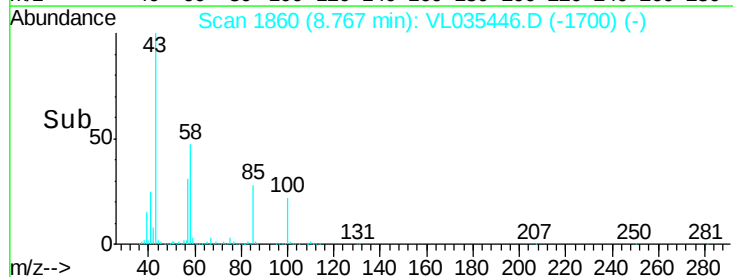
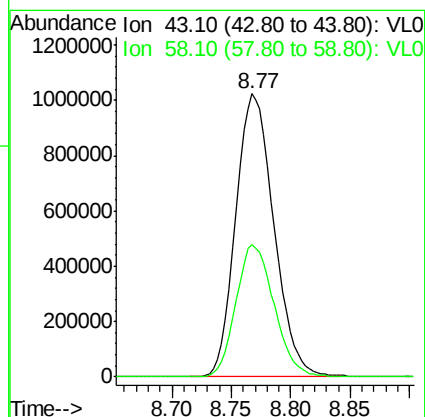
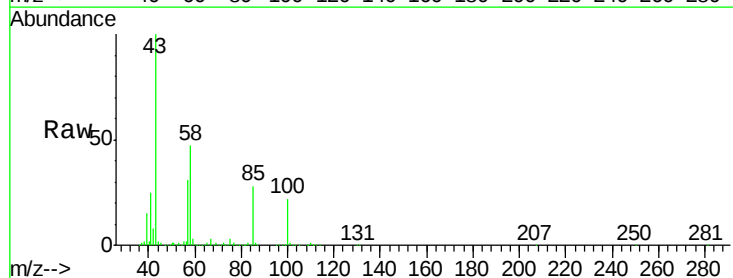
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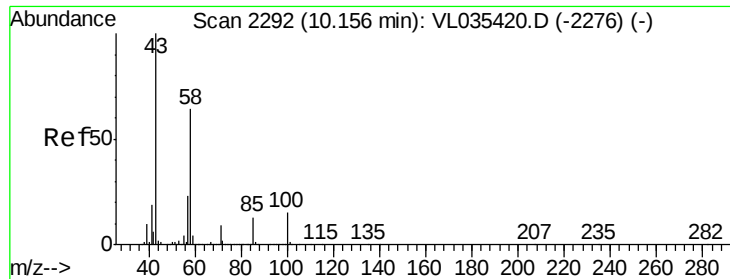
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#50
4-Methyl-2-Pentanone
Concen: 9.724 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion: 43 Resp: 2270860
Ion Ratio Lower Upper
43 100
58 46.9 28.7 43.1#





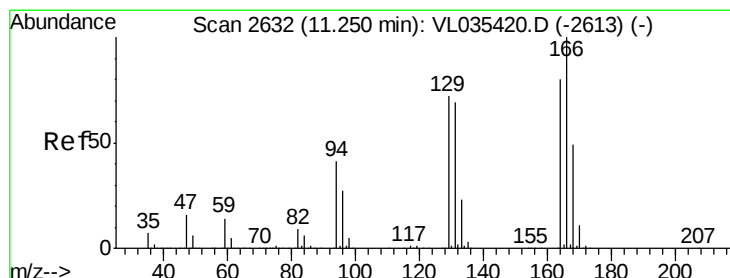
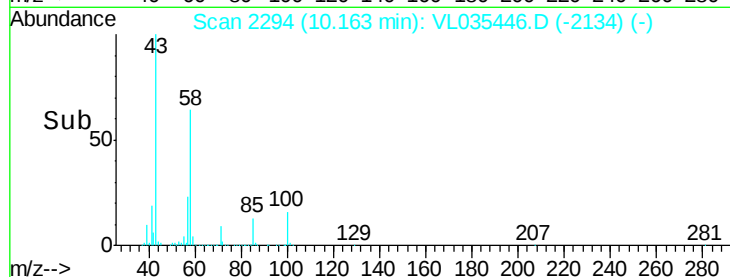
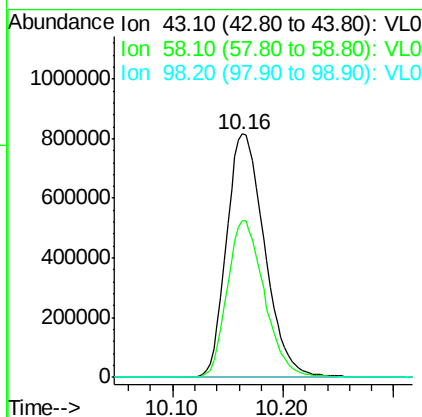
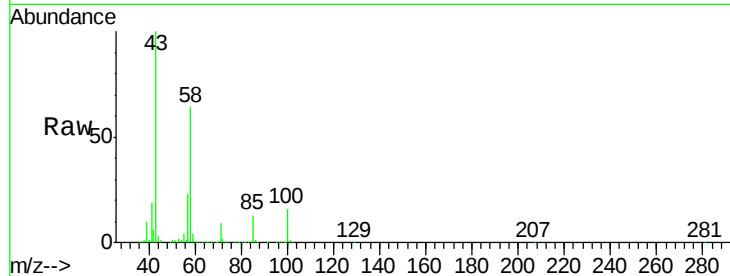
#51
2-Hexanone
Concen: 9.912 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion: 43 Resp: 1950993
Ion Ratio Lower Upper
43 100
58 62.9 38.6 58.0#
98 0.4 0.2 0.2#

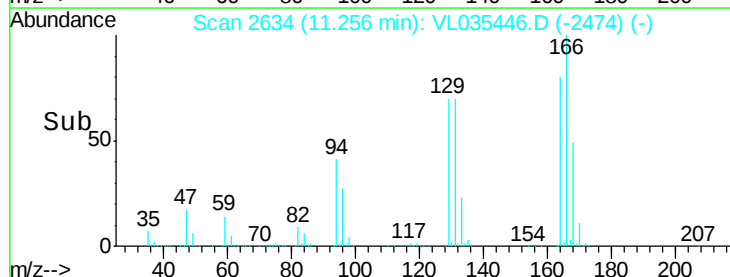
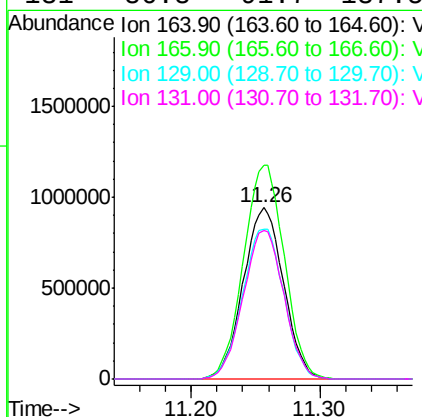
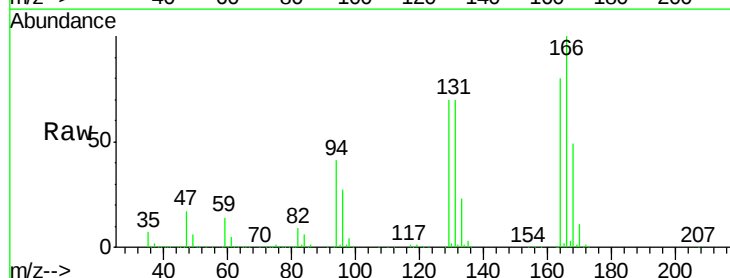
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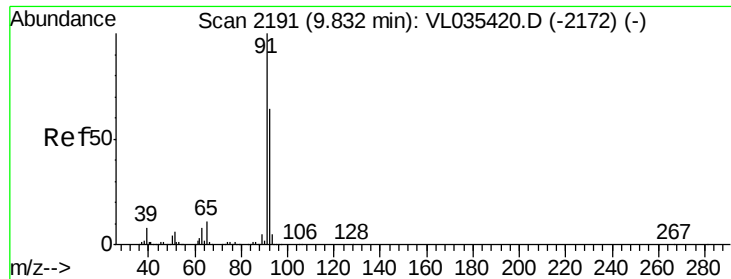
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#52
Tetrachloroethene
Concen: 9.392 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion: 164 Resp: 2048694
Ion Ratio Lower Upper
164 100
166 124.7 103.4 155.0
129 87.8 90.2 135.4#
131 86.8 91.7 137.5#





#53

Toluene

Concen: 9.421 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 91 Resp: 4339247

Ion Ratio Lower Upper

91 100

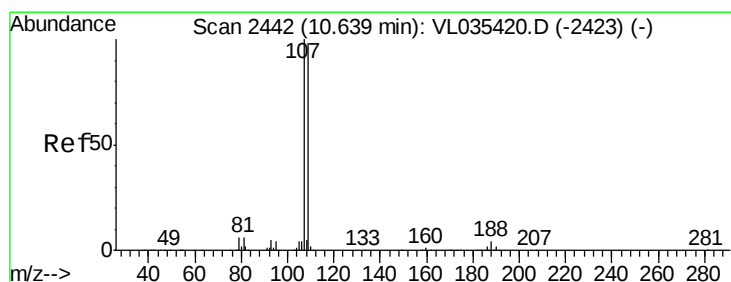
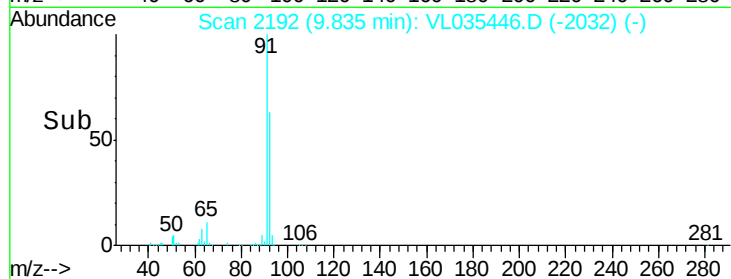
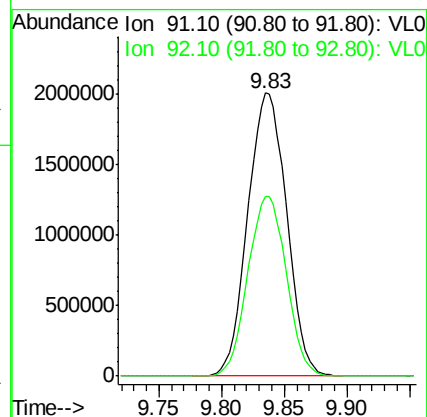
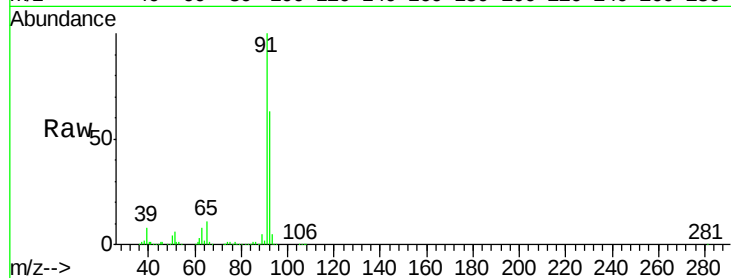
92 62.8 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 9.557 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VL035446.D

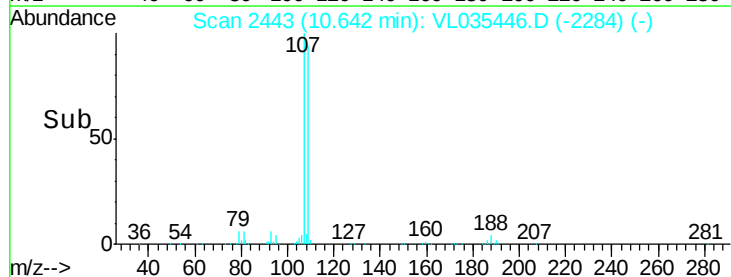
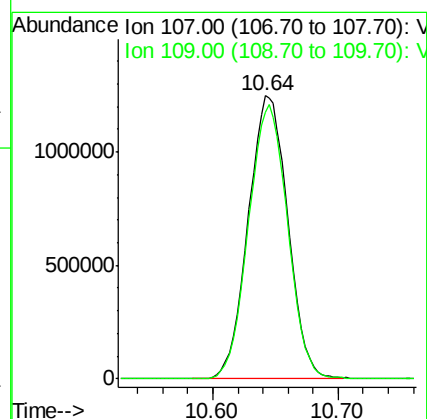
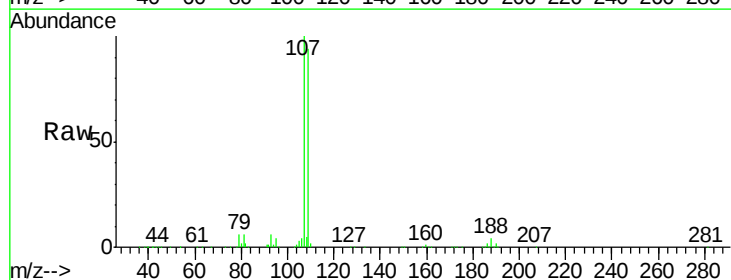
Acq: 18 Aug 2020 17:12

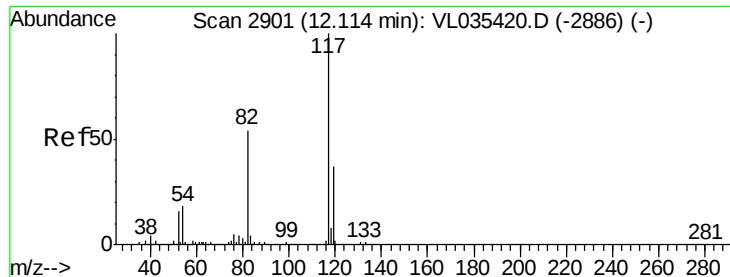
Tgt Ion: 107 Resp: 2732510

Ion Ratio Lower Upper

107 100

109 94.0 75.1 112.7





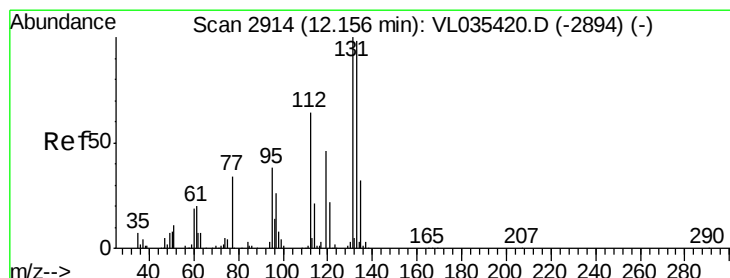
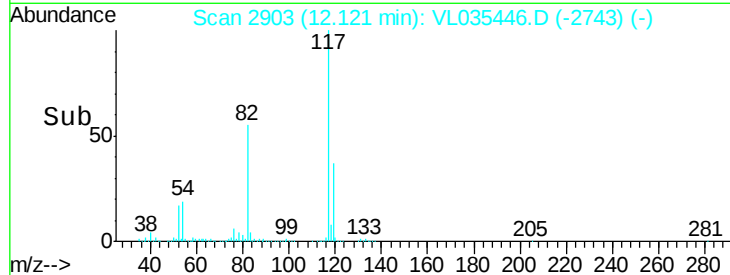
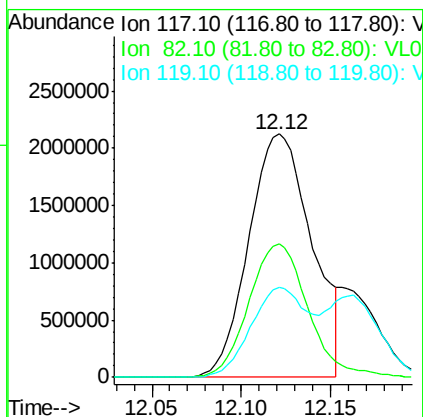
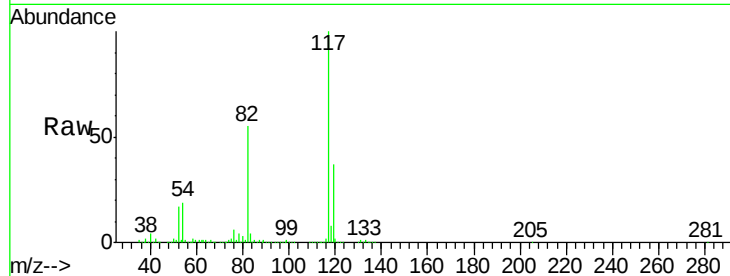
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion:117 Resp: 5240862
Ion Ratio Lower Upper
117 100
82 51.6 57.4 86.0#
119 32.2 28.4 42.6

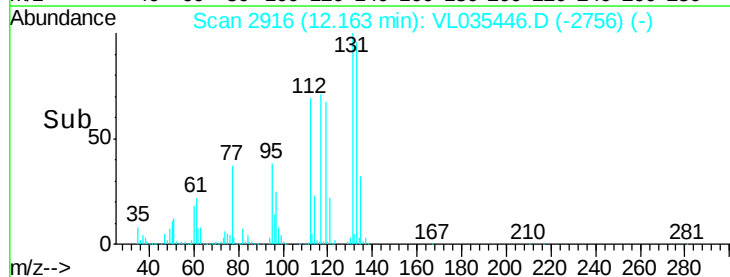
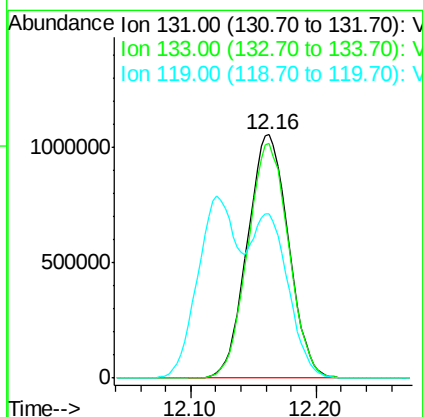
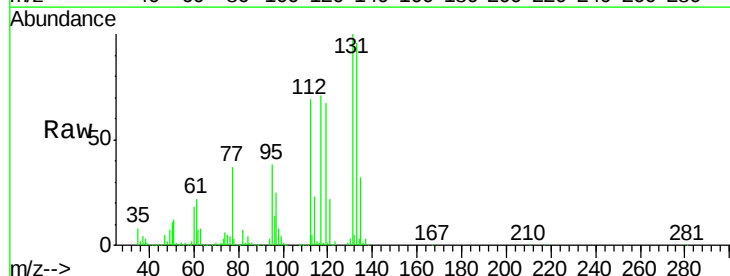
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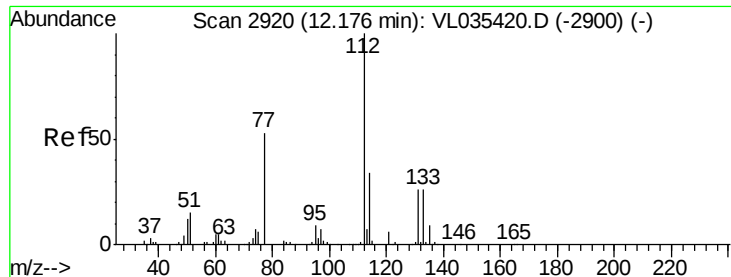
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.699 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion:131 Resp: 2411277
Ion Ratio Lower Upper
131 100
133 96.2 76.1 114.1
119 60.6 50.7 76.1





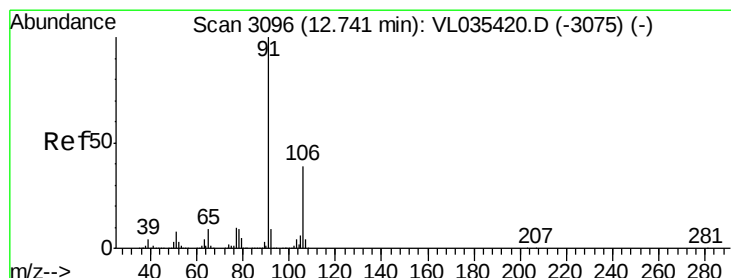
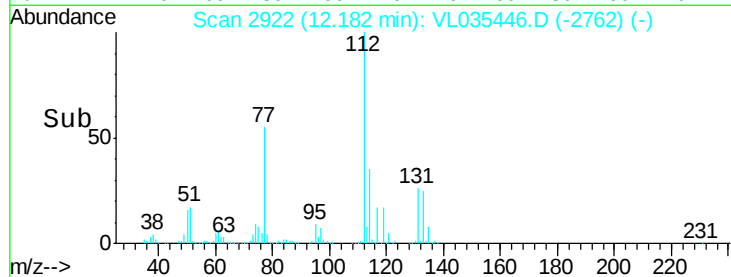
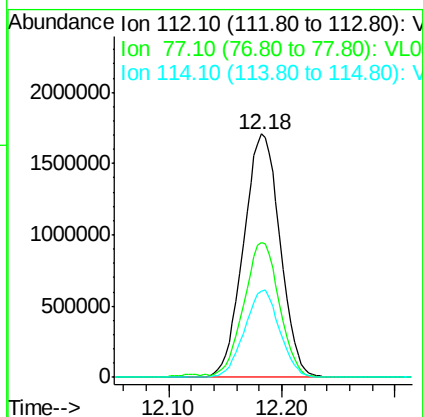
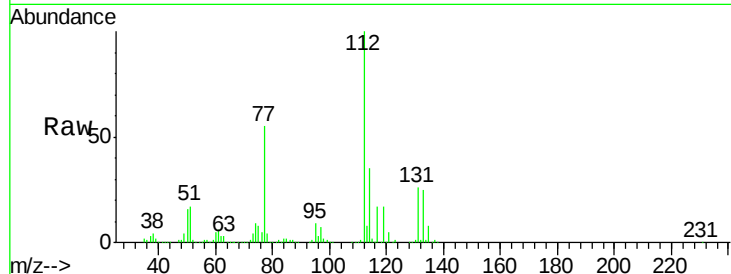
#57
Chlorobenzene
Concen: 8.772 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	55.3	60.6	91.0#
114	35.2	28.5	34.9#

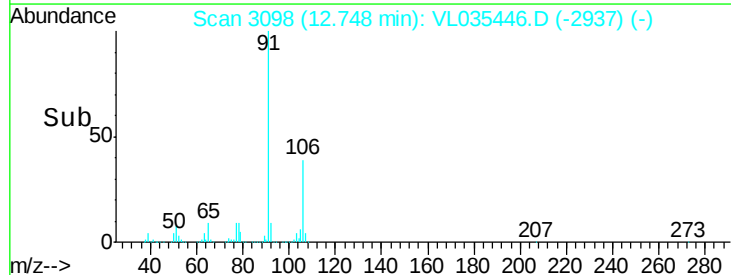
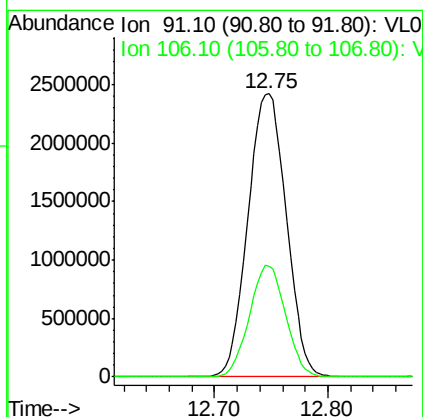
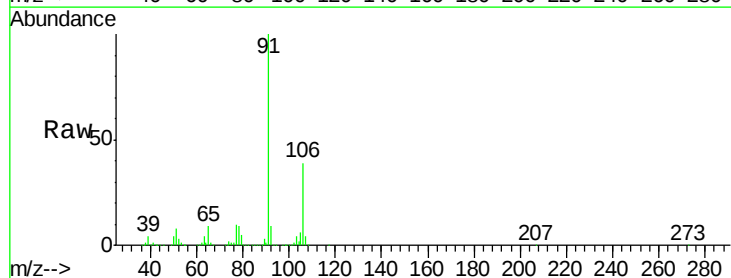
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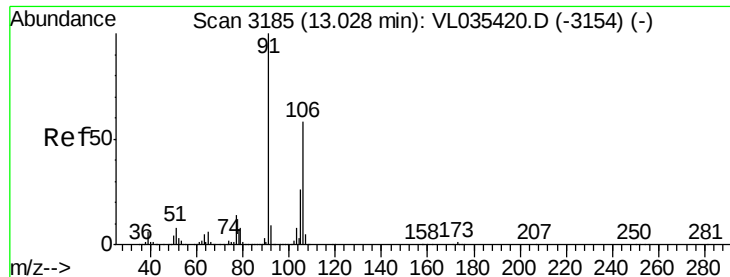
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#58
Ethyl Benzene
Concen: 9.022 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.02 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
91	100		
106	39.0	24.1	36.1#





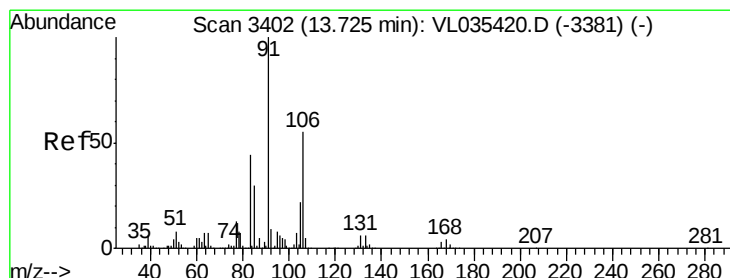
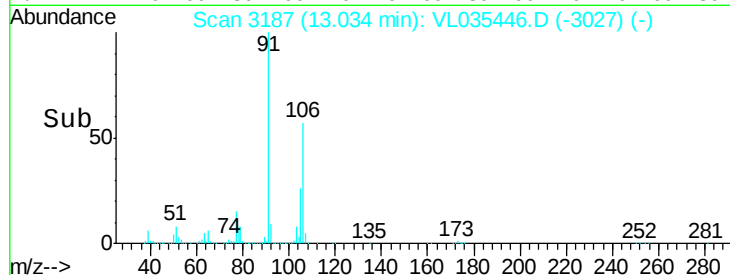
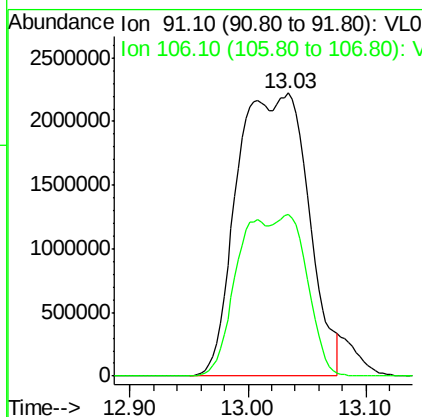
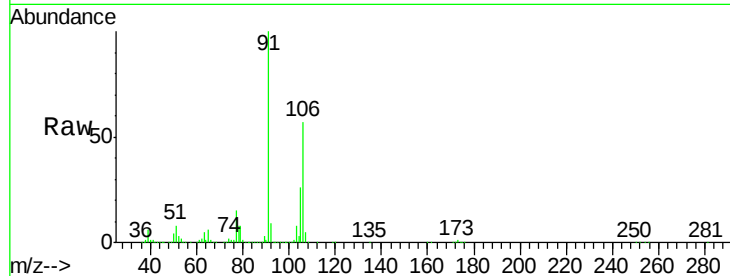
#59
m/p-Xylene
Concen: 17.387 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion: 91 Resp: 9298446
Ion Ratio Lower Upper
91 100
106 54.6 34.0 51.0#

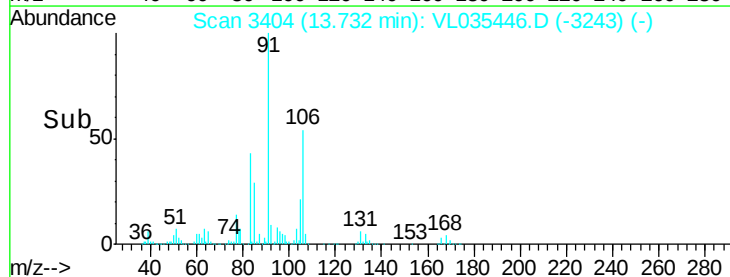
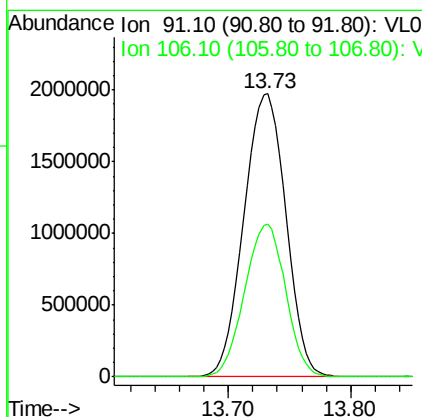
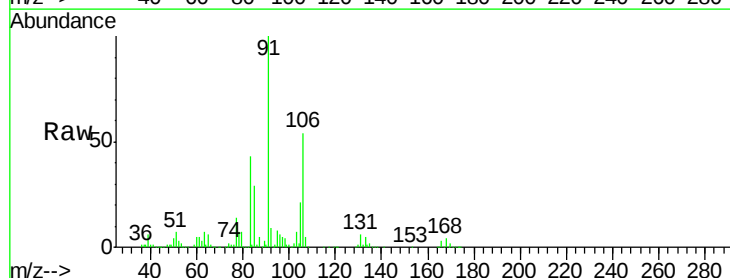
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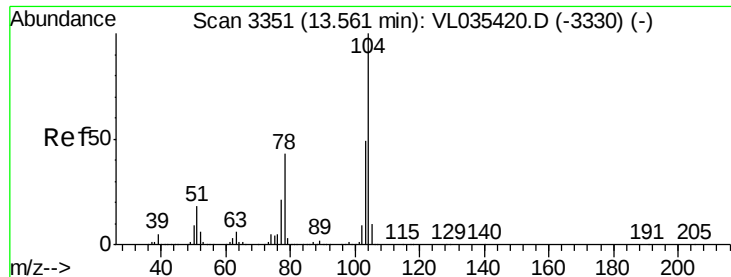
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#60
o-Xylene
Concen: 9.040 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.02 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion: 91 Resp: 4698569
Ion Ratio Lower Upper
91 100
106 52.8 21.8 65.3





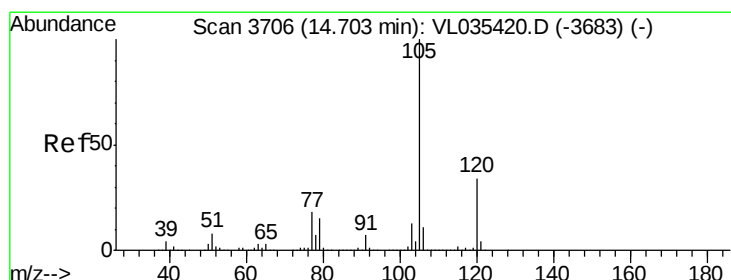
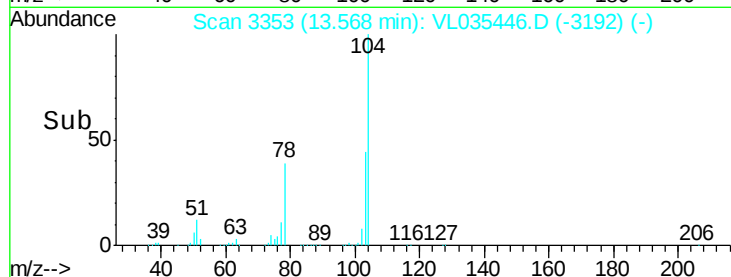
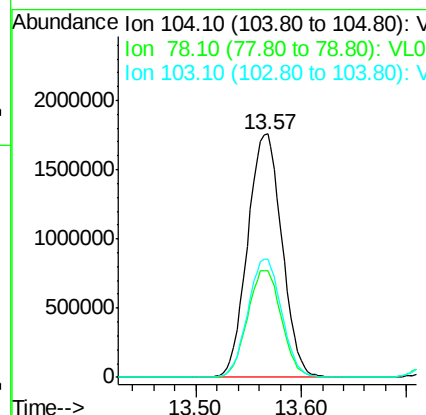
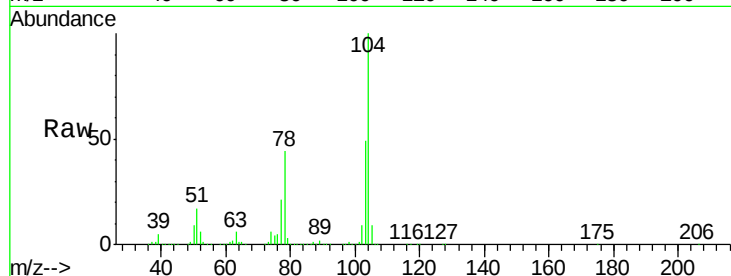
#61
Stvrene
Concen: 9.504 ppbv
RT: 13.57 min Scan# 3353
Delta R.T. 0.02 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Instrument :
MSVOA_L
ClientSampleId :
VL0818ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	43.5	45.4	68.2#
103	47.8	37.8	56.8

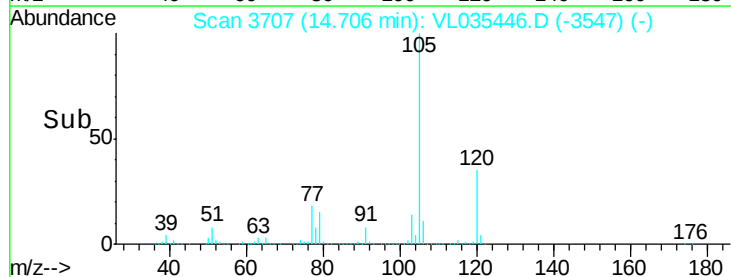
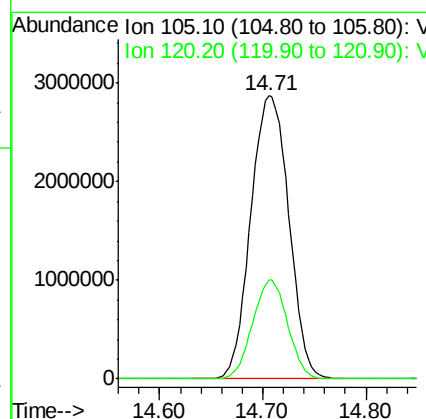
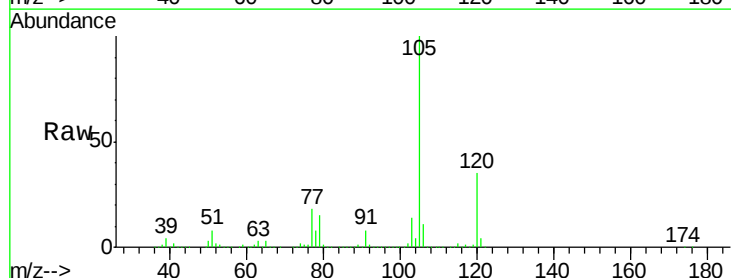
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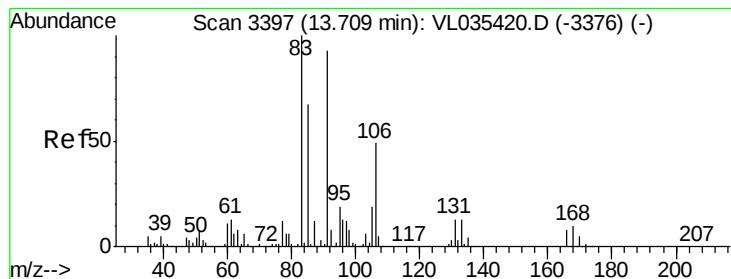
MMDadoda
8/20/2020 11:07:06 AM



#62
Isopropylbenzene
Concen: 8.632 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	32.2	20.3	30.5#





#63

1,1,2,2-Tetrachloroethane

Concen: 8.827 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 83 Resp: 3295798

Ion Ratio Lower Upper

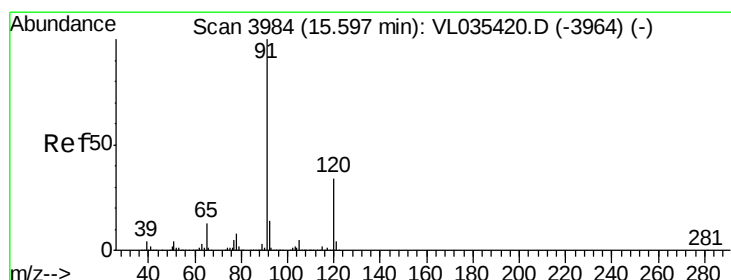
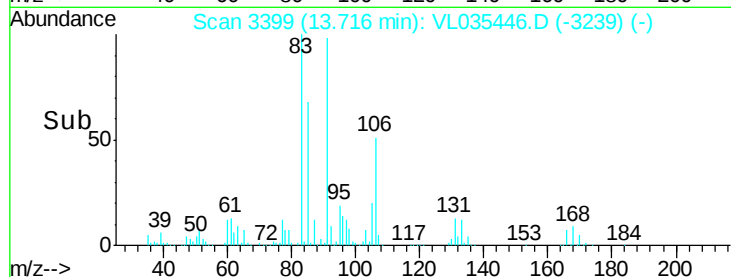
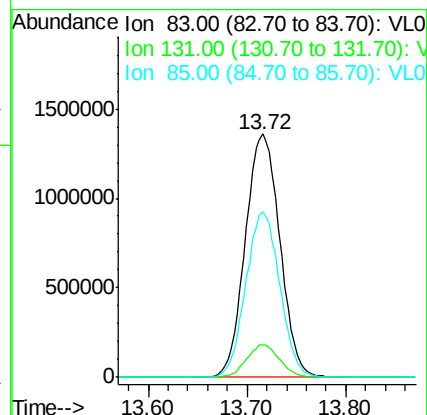
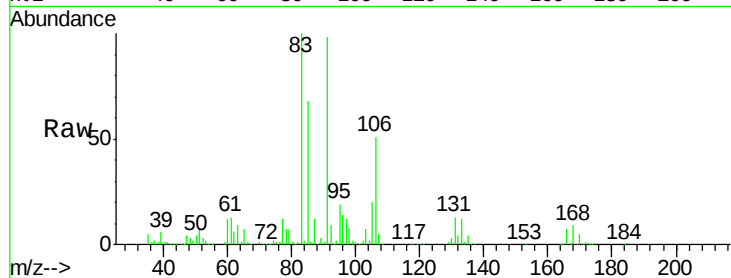
83 100

131 12.8 4.5 13.4

85 67.0 32.7 98.1

Manual Integrations
APPROVED

MMDadoda
8/20/2020 11:07:06 AM



#64

n-propylbenzene

Concen: 9.427 ppbv

RT: 15.60 min Scan# 3986

Delta R.T. 0.02 min

Lab File: VL035446.D

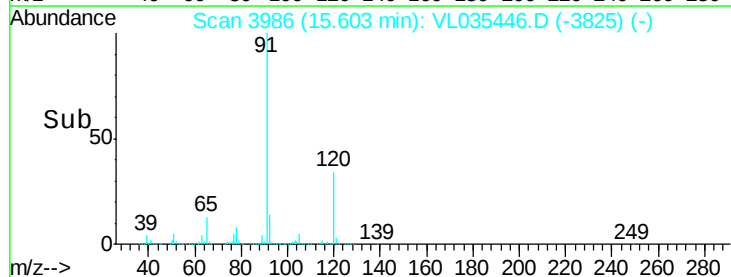
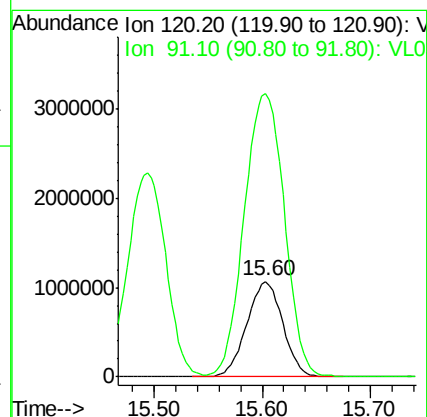
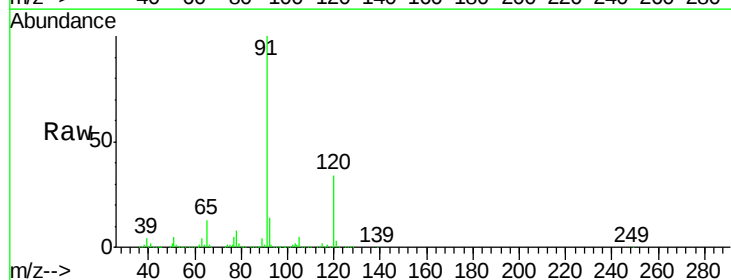
Acq: 18 Aug 2020 17:12

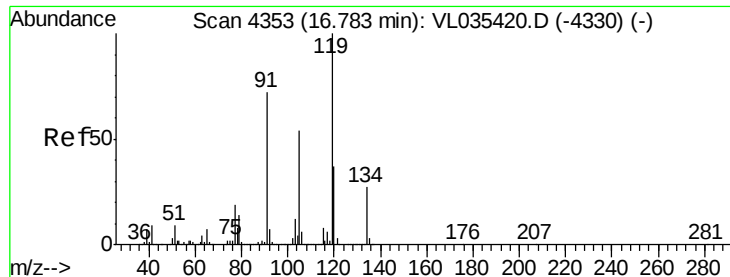
Tgt Ion: 120 Resp: 2475335

Ion Ratio Lower Upper

120 100

91 332.8 385.5 578.3#





#65

tert-Butylbenzene

Concen: 8.726 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion:119 Resp: 7223502

Ion Ratio Lower Upper

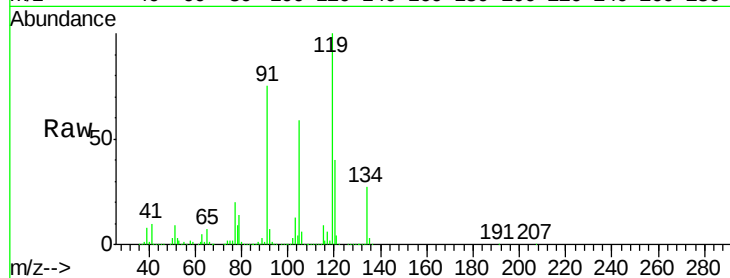
119 100

91 71.9 72.0 108.0#

134 24.4 15.7 23.5#

Manual Integrations
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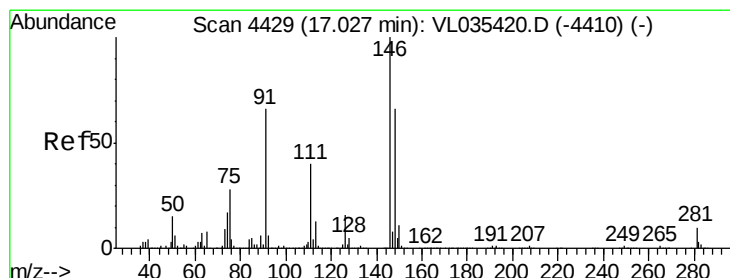
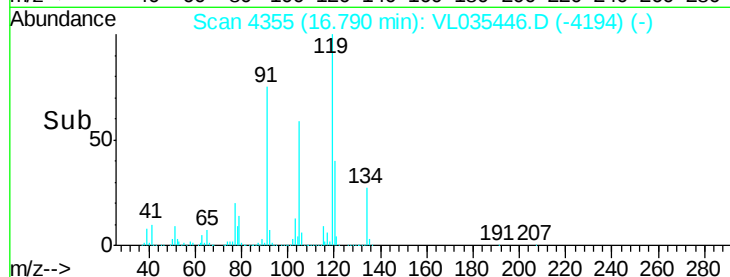
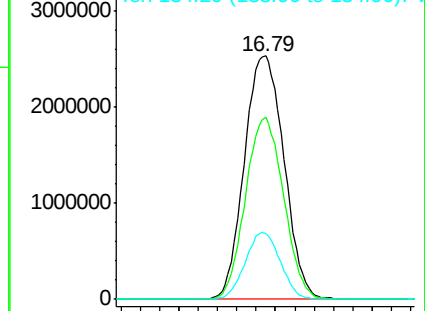
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.211 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

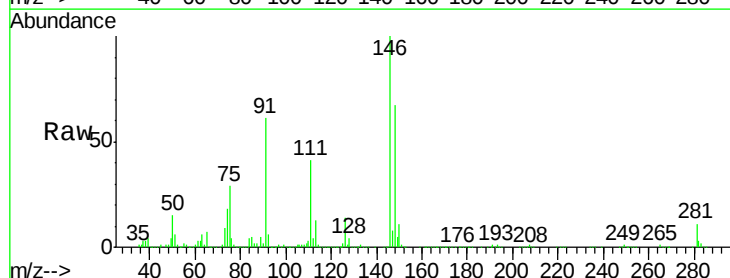
Tgt Ion: 91 Resp: 2431540

Ion Ratio Lower Upper

91 100

126 22.1 13.3 19.9#

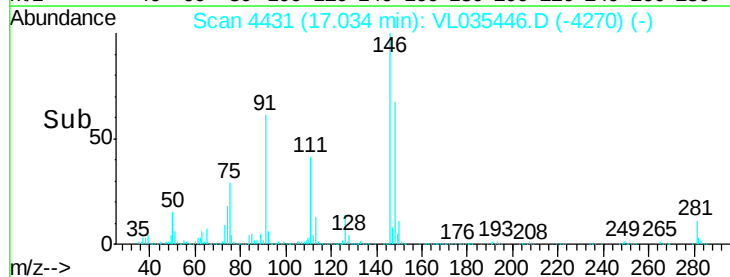
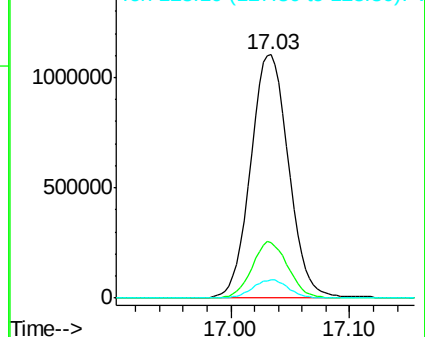
128 7.2 4.1 6.1#

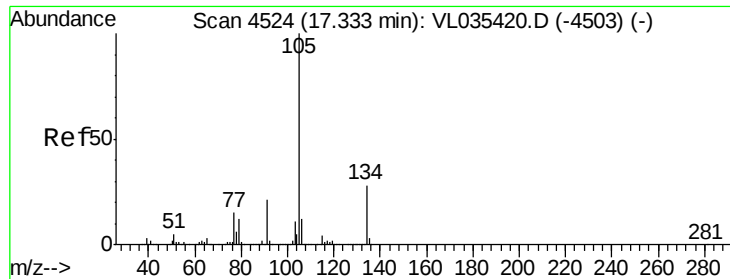


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.408 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion:105 Resp: 9160866

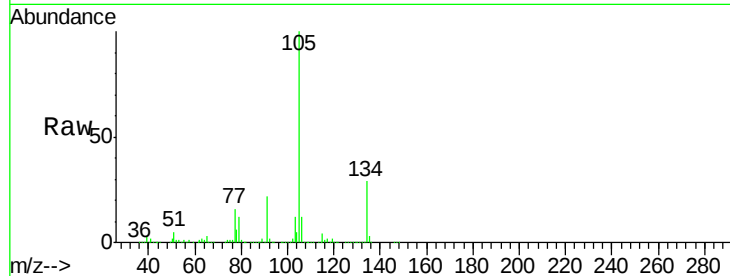
Ion Ratio Lower Upper

105 100

134 25.4 14.1 21.1#

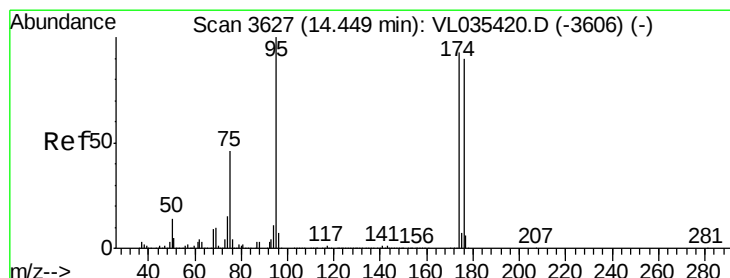
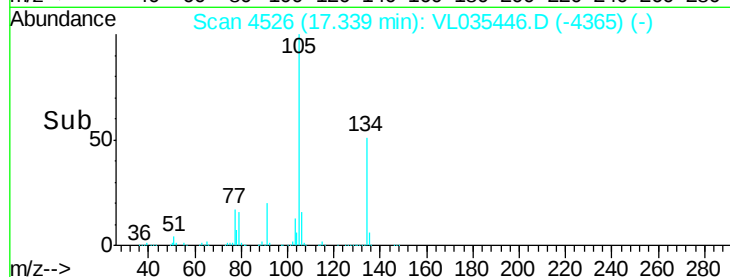
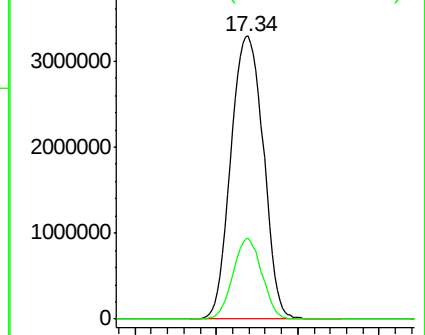
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.816 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

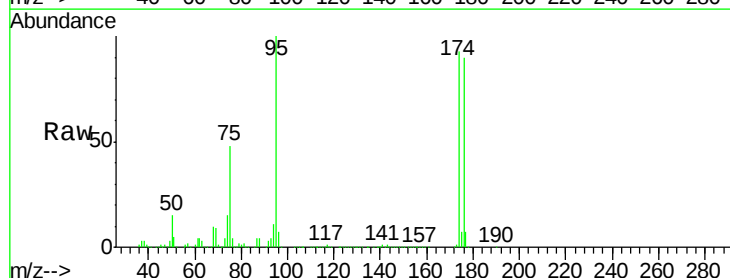
Tgt Ion: 95 Resp: 3601458

Ion Ratio Lower Upper

95 100

174 93.9 44.0 66.0#

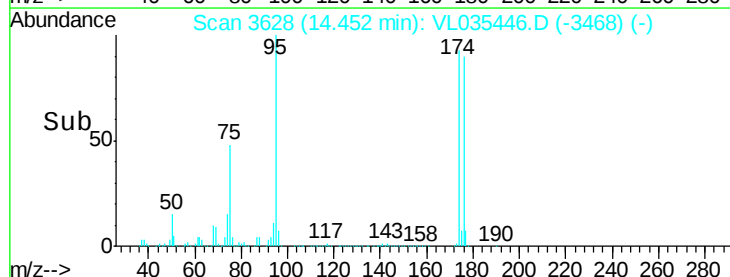
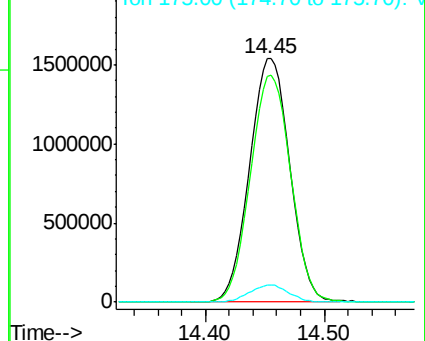
175 6.9 3.2 4.8#

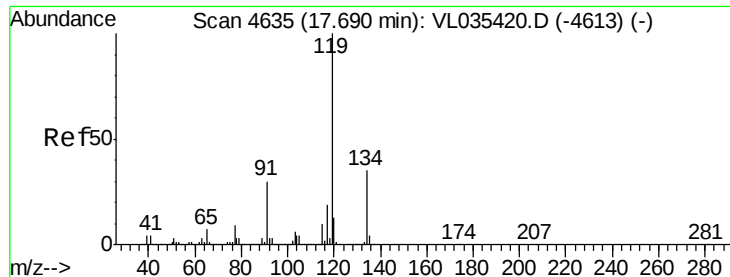


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





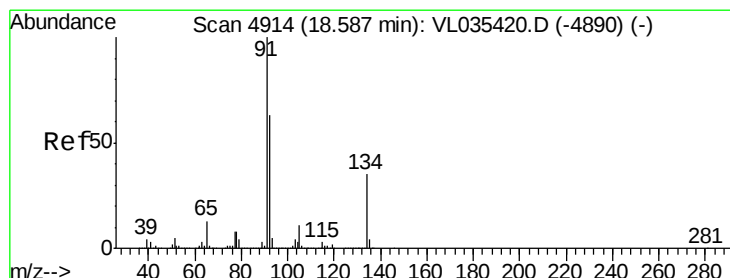
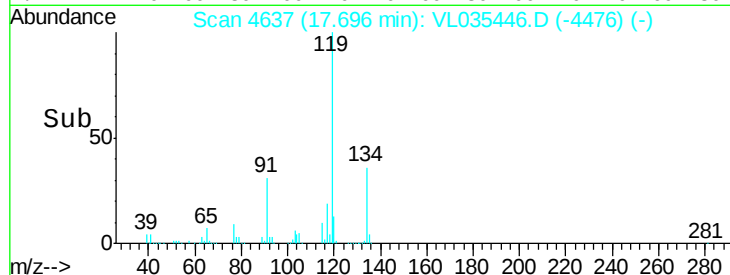
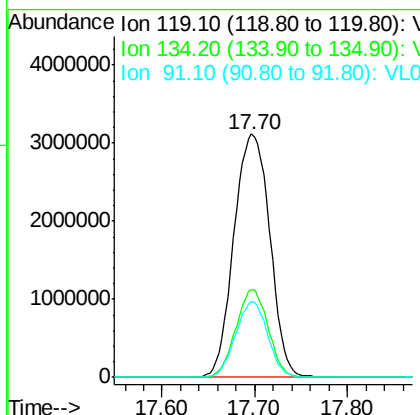
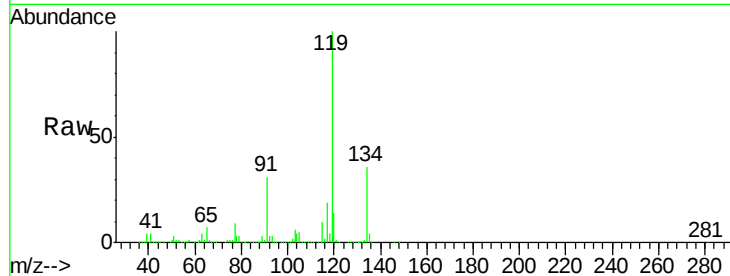
#69
 p-Isopropyltoluene
 Concen: 8.637 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.02 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	32.6	20.6	30.8#
91	28.0	26.6	39.8

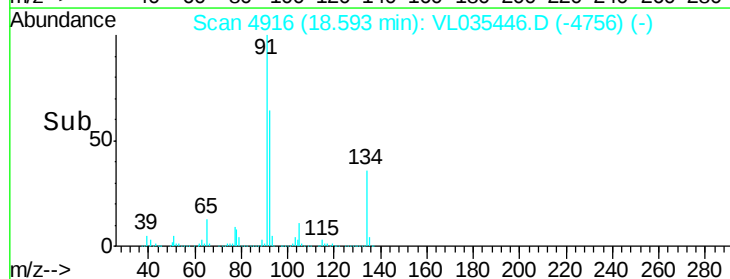
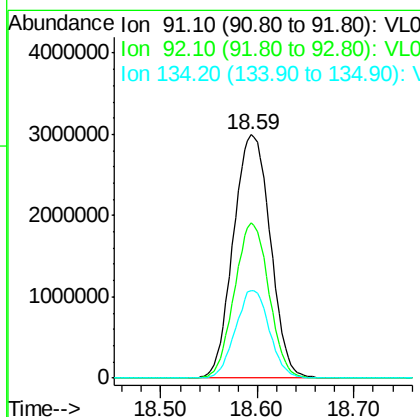
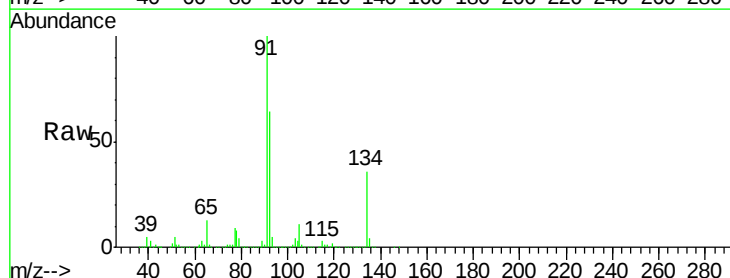
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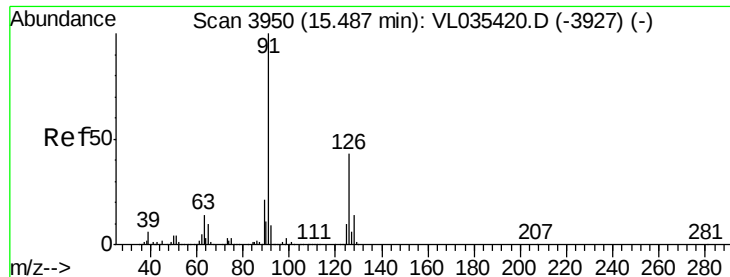
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#70
 n-Butylbenzene
 Concen: 8.685 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.7	44.8	67.2
134	33.2	17.3	25.9#





#71

2-Chlorotoluene

Concen: 9.082 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion: 91 Resp: 5613371

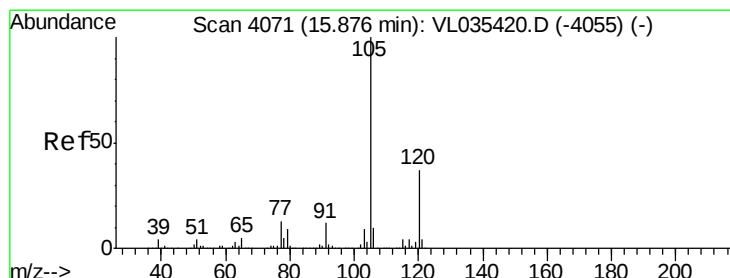
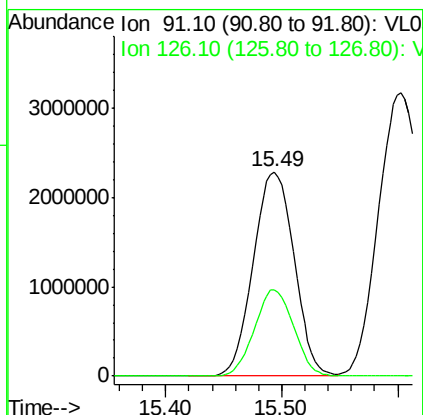
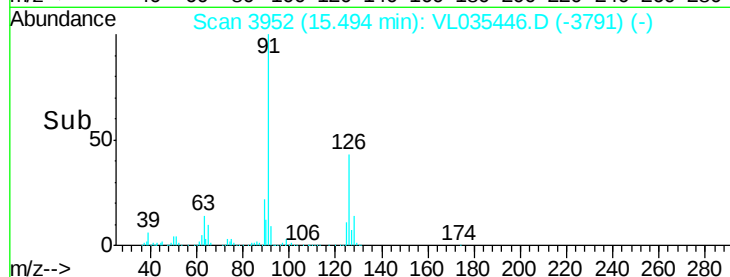
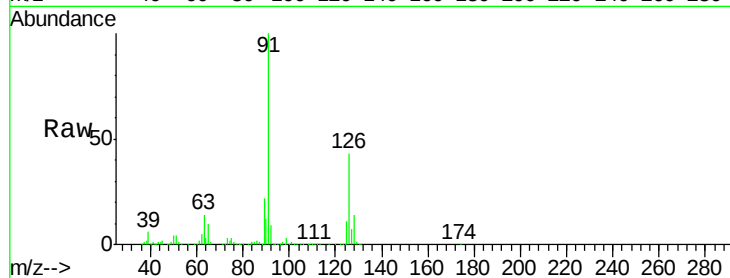
Ion Ratio Lower Upper

91 100

126 40.7 11.4 45.6

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#72

4-Ethyltoluene

Concen: 9.110 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion: 105 Resp: 6214489

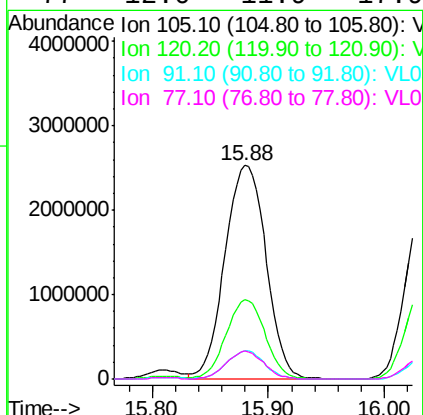
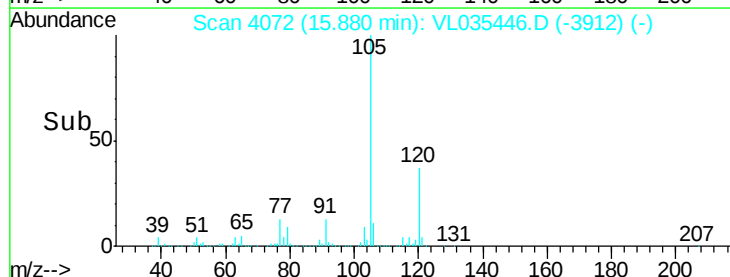
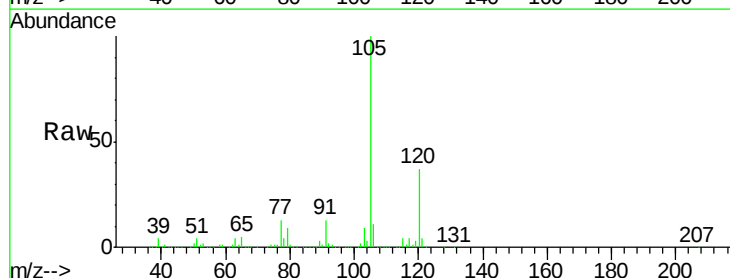
Ion Ratio Lower Upper

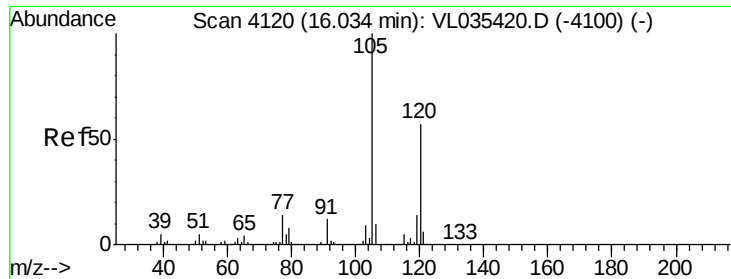
105 100

120 35.5 22.7 34.1#

91 12.2 10.8 16.2

77 12.0 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 9.185 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion:105 Resp: 5829971

Ion Ratio Lower Upper

105 100

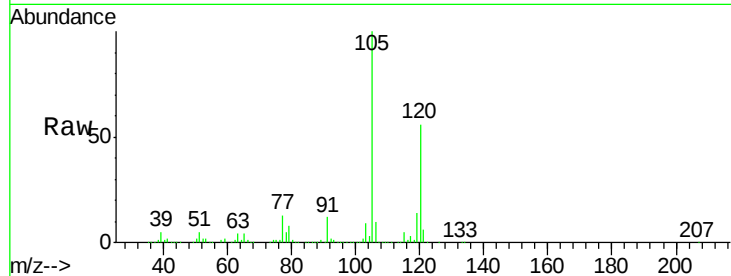
120 56.0 35.6 53.4#

Manual Integrations

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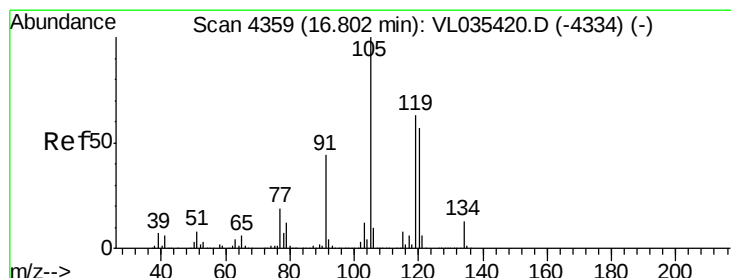
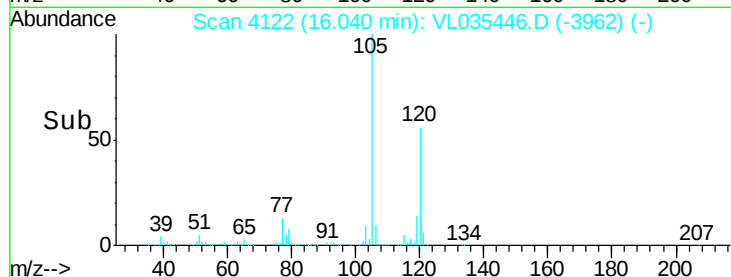
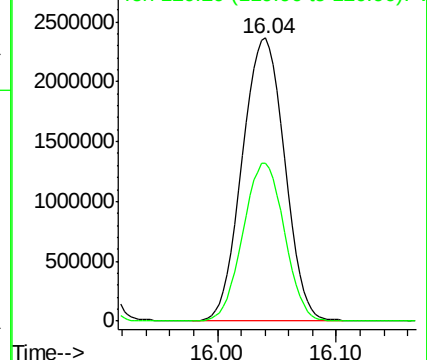
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.774 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion:105 Resp: 6050571

Ion Ratio Lower Upper

105 100

120 58.0 37.8 56.8#

91 50.6 40.0 60.0

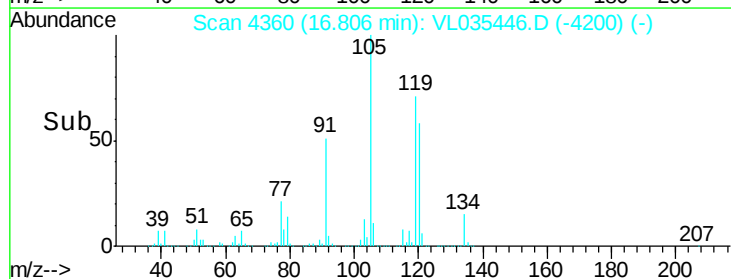
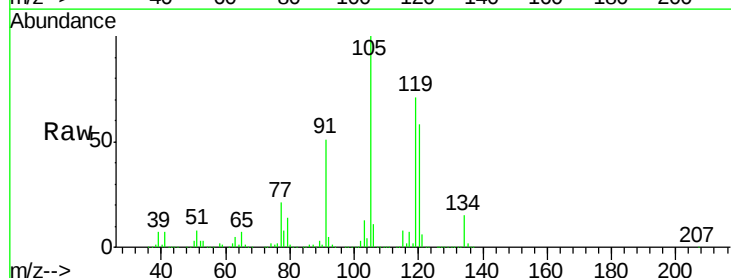
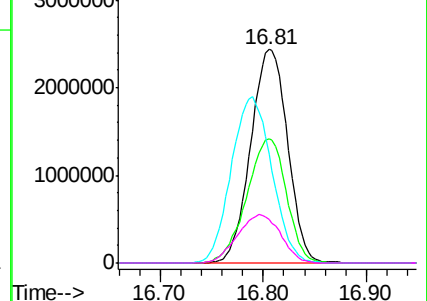
77 20.6 18.8 28.2

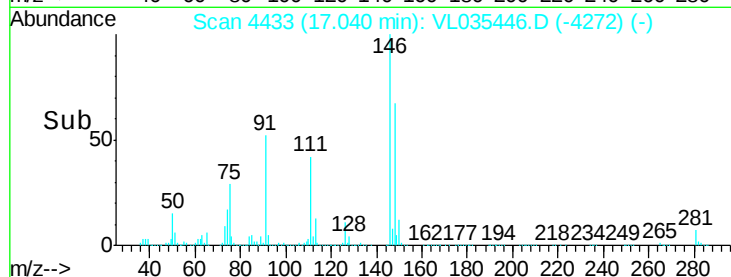
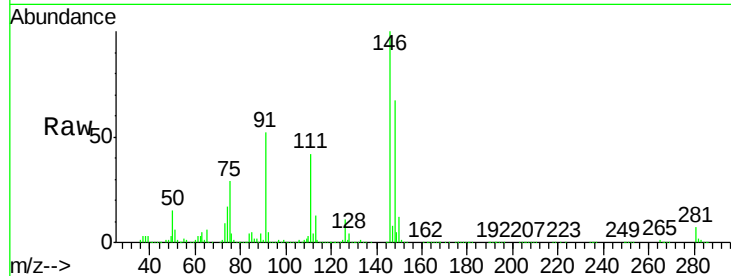
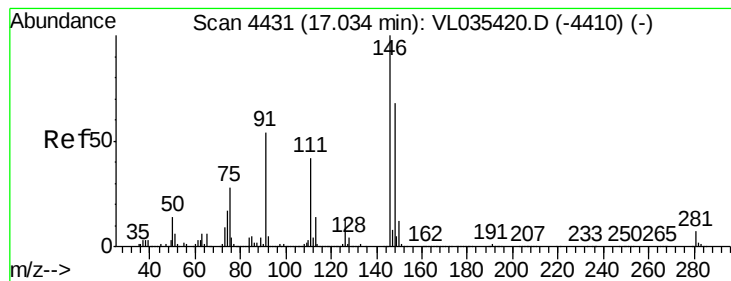
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 8.800 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tot Ion:	146	Resp:	4687131
Ion	Ratio	Lower	Upper
146	100		
111	40.4	25.6	76.8
148	66.7	32.3	96.9

Instrument :

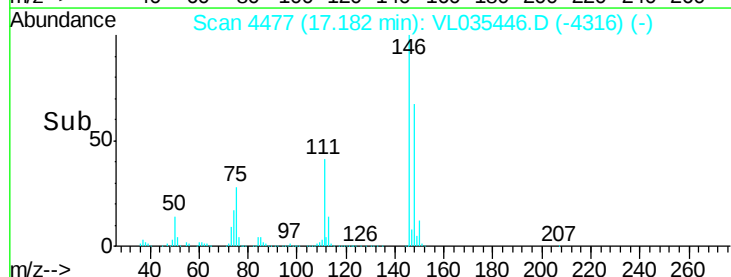
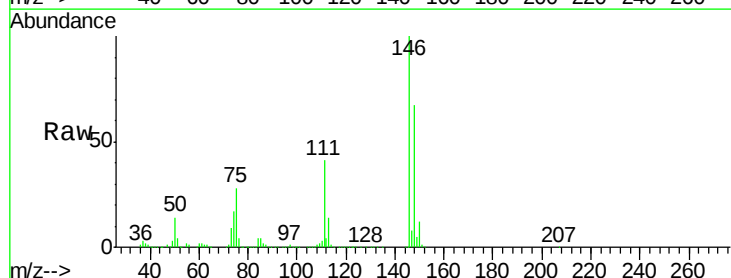
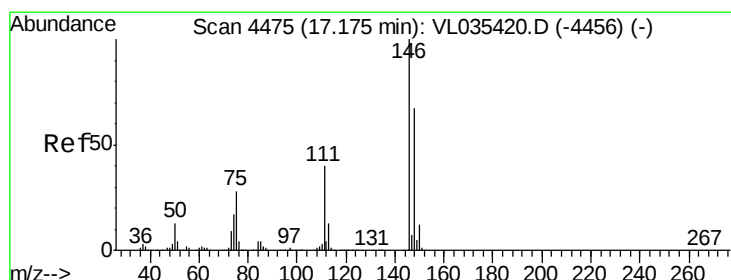
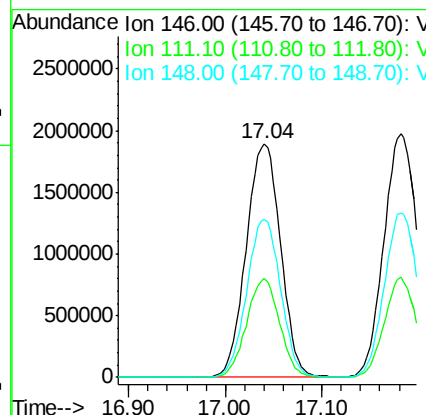
MSVOA_L

ClientSampled :

VL0818ABS01

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#76

1,4-Dichlorobenzene

Concen: 9.012 ppbv

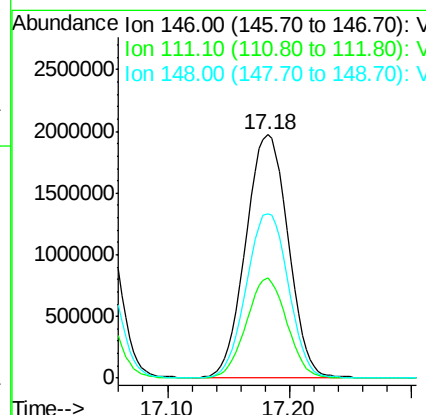
RT: 17.18 min Scan# 4477

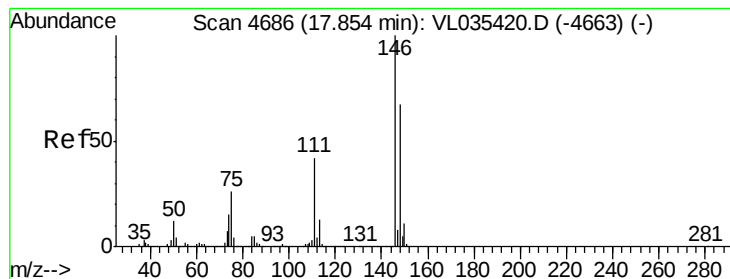
Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion:	146	Resp:	4730328
Ion	Ratio	Lower	Upper
146	100		
111	39.5	24.8	74.4
148	67.5	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 8.964 ppbv

RT: 17.86 min Scan# 4689

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion:146 Resp: 4676653

Ion Ratio Lower Upper

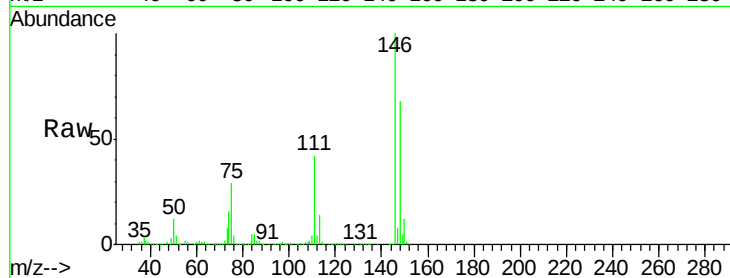
146 100

111 41.6 26.3 78.9

148 66.7 32.0 96.0

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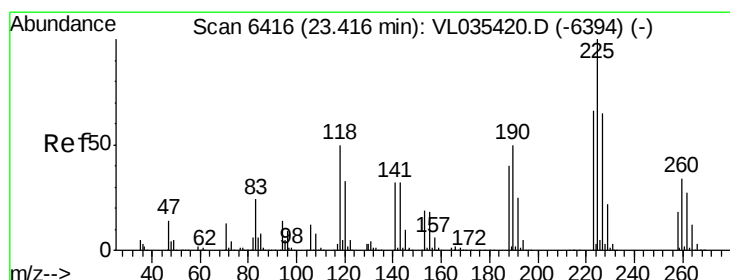
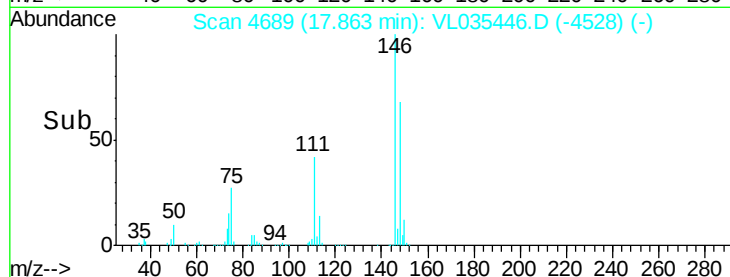
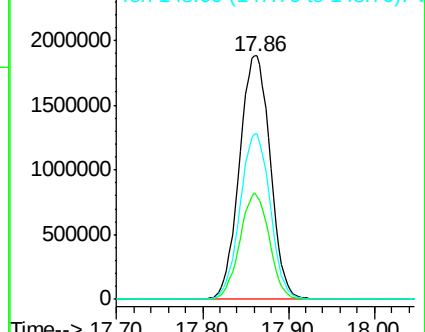


Abundance

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



#78

Hexachloro-1,3-Butadiene

Concen: 8.690 ppbv

RT: 23.42 min Scan# 6418

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

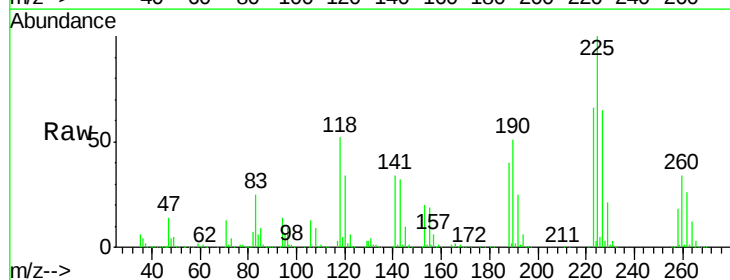
Tgt Ion:225 Resp: 3584572

Ion Ratio Lower Upper

225 100

223 64.8 50.3 75.5

227 64.8 51.0 76.6

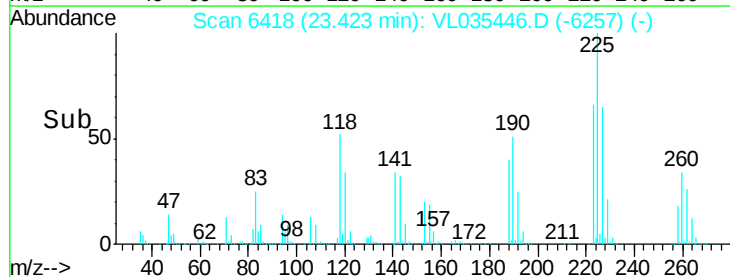
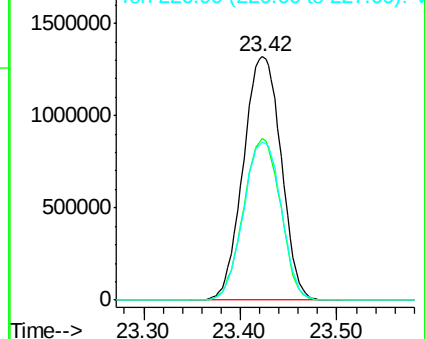


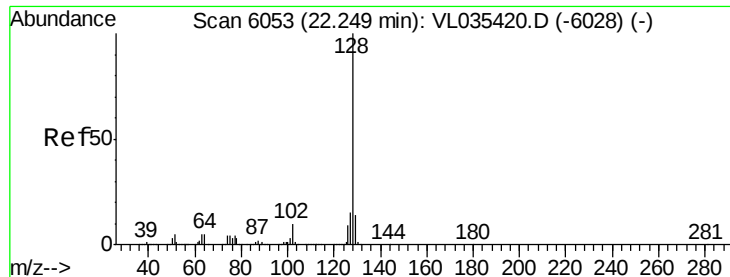
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.814 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

VL0818ABS01

Tot Ion:128 Resp: 8560374

Ion Ratio Lower Upper

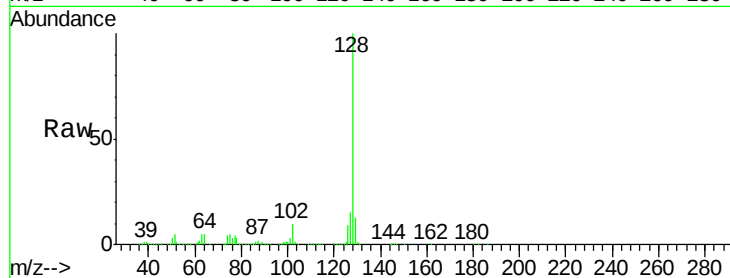
128 100

127 15.2 11.4 17.0

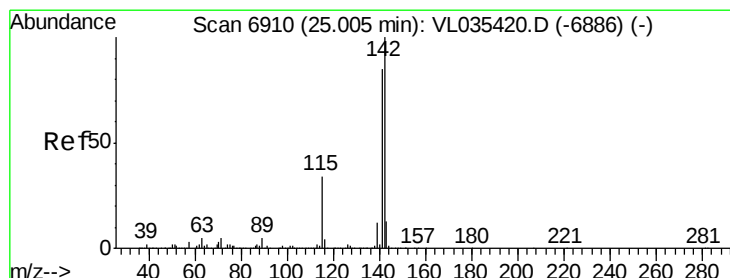
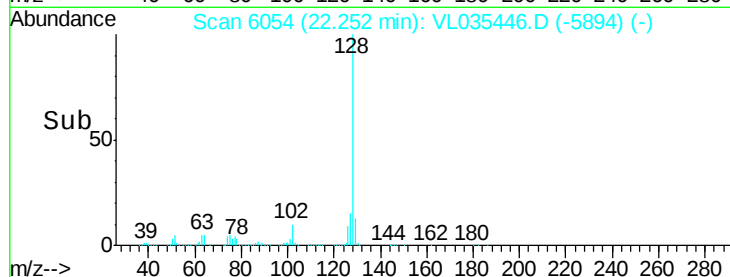
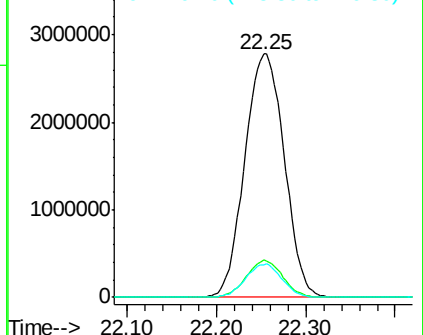
129 13.5 9.5 14.3

Manual Integrations
APPROVED

MMDadoda
8/20/2020 11:07:06 AM



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



#80

Naphthalene, 2-methyl-

Concen: 9.998 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

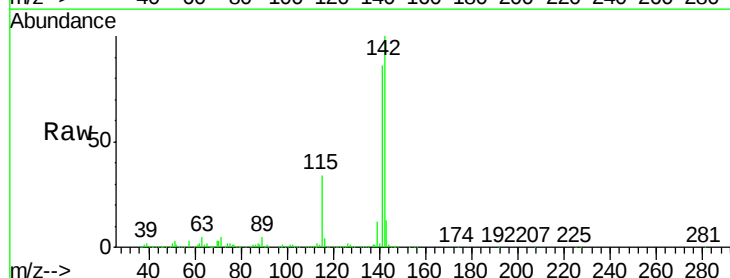
Tgt Ion:142 Resp: 4012518

Ion Ratio Lower Upper

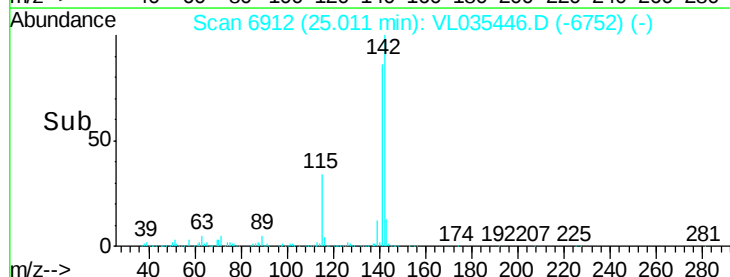
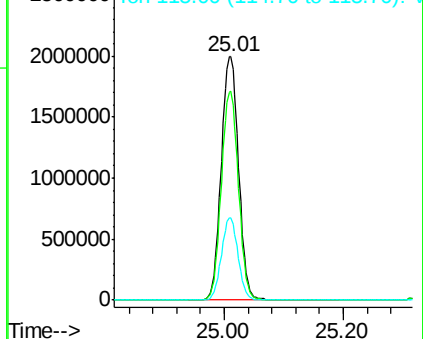
142 100

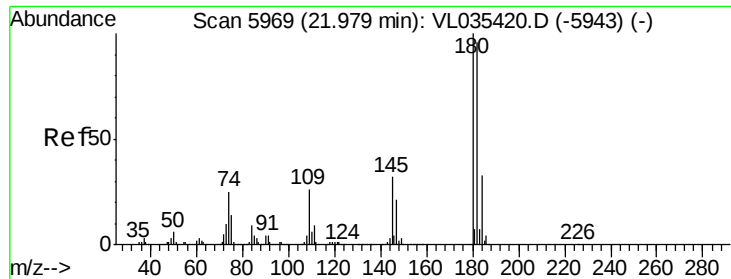
141 84.7 67.1 100.7

115 32.5 36.1 54.1#



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





#81
 1,2,4-Trichlorobenzene
 Concen: 8.987 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. 0.02 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	115.0
184	32.5	24.8	37.2

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:06 AM

