

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035684.D
 Acq On : 21 Sep 2020 13:19
 Operator : SY/AP
 Sample : VL0921ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:05:56 PM

Quant Time: Sep 22 01:42:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 22 01:42:55 2020
 QLast Update : Tue Sep 22 01:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	993284	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	3966598	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.06	117	3945054m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2899250	10.35	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1273417	7.398	ppbv	100
3) Chlorodifluoromethane	2.96	51	1103488	10.045	ppbv	100
4) Chloromethane	3.11	50	590397	10.031	ppbv	97
5) Vinyl Chloride	3.22	62	699180	9.636	ppbv	99
6) Bromomethane	3.44	94	617606	10.133	ppbv	98
7) Chloroethane	3.53	64	267003	10.408	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	1943762	9.324	ppbv	92
9) Propene	2.98	41	419027	9.894	ppbv	99
10) Heptane	8.09	43	1232760	10.837	ppbv	99
11) Trichlorofluoromethane	3.92	101	2440078	9.720	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1825626	9.636	ppbv	92
13) Ethanol	3.57	45	93819	8.935	ppbv	97
14) Bromoethene	3.71	108	810673	9.940	ppbv	99
15) Acetone	3.82	43	973161	8.883	ppbv	98
16) 1,3-Butadiene	3.29	39	439196	10.770	ppbv	99
17) tert-Butyl alcohol	4.26	59	1316462	9.872	ppbv	100
18) 1,1-Dichloroethene	4.26	96	850117	10.189	ppbv	96
19) Isopropyl Alcohol	3.93	45	623516	9.541	ppbv #	98
20) Methylene Chloride	4.31	84	724368	8.878	ppbv	97
21) Allyl Chloride	4.38	41	589217	11.480	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	888608	10.004	ppbv	94
23) Vinyl Acetate	5.04	43	1512036	10.754	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1479967	10.228	ppbv	98
25) Ethyl Acetate	5.65	43	2038620	10.533	ppbv	99
26) Hexane	5.65	57	1140449	10.400	ppbv	98
27) Carbon Disulfide	4.52	76	1869178	11.878	ppbv	100
28) Methyl tert-Butyl Ether	5.00	73	1967210	10.293	ppbv	99
29) Chloroform	5.72	83	2287729	10.239	ppbv	99
30) Cyclohexane	7.10	84	1235157	10.514	ppbv	96
31) cis-1,2-Dichloroethene	5.52	61	1193971	10.613	ppbv	95
32) 1,1,1-Trichloroethane	6.48	97	2240099	10.335	ppbv	98
34) 2-Butanone	5.21	43	1376552	11.694	ppbv	97
35) Carbon Tetrachloride	6.99	117	2333920	11.707	ppbv	97
36) Benzene	6.86	78	2839977	11.061	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1410626	11.523	ppbv	98
38) Trichloroethene	7.81	130	1460459	9.792	ppbv	95
39) 1,2-Dichloropropane	7.58	63	964545	11.120	ppbv	97
40) 1,4-Dioxane	7.80	88	465946	10.754	ppbv	69
41) Tetrahydrofuran	6.02	42	772921	12.382	ppbv	98
42) Bromodichloromethane	7.76	83	2394595	12.096	ppbv	99
43) Methyl Methacrylate	7.98	69	1213215	12.220	ppbv	96

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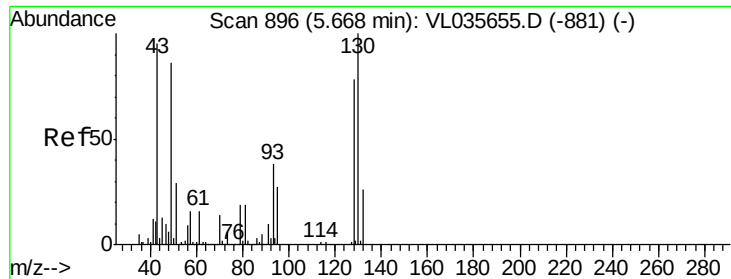
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 22 2020
 QLast Update : Tue Sep 22 01:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3831360	11.341	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1390779	13.828	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	1625023	13.013	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1407869	11.000	ppbv	97
48) Dibromochloromethane	10.28	129	2389460	11.862	ppbv	100
49) Bromoform	13.01	173	2148206	11.768	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2057180	12.069	ppbv	98
51) 2-Hexanone	10.10	43	1731312	12.382	ppbv #	98
52) Tetrachloroethene	11.19	164	1373951	9.160	ppbv	97
53) Toluene	9.78	91	3611600	11.185	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2231761	11.036	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1861660	11.597	ppbv	98
57) Chlorobenzene	12.12	112	3076315	10.595	ppbv	97
58) Ethyl Benzene	12.69	91	4737805	11.646	ppbv	98
59) m/p-Xylene	12.97	91	8177497m	24.056	ppbv	
60) o-Xylene	13.67	91	3968579	11.592	ppbv	97
61) Styrene	13.50	104	3137581	11.982	ppbv	98
62) Isopropylbenzene	14.65	105	6017349	10.941	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	2886933	10.876	ppbv	99
64) n-propylbenzene	15.54	120	1860525	11.086	ppbv	87
65) tert-Butylbenzene	16.73	119	5593786	10.942	ppbv	96
66) Benzyl Chloride	16.97	91	2231095	17.560	ppbv	97
67) sec-Butylbenzene	17.28	105	7536619	11.065	ppbv	96
69) p-Isopropyltoluene	17.64	119	6440006	10.779	ppbv	97
70) n-Butylbenzene	18.54	91	6460570	11.226	ppbv	97
71) 2-Chlorotoluene	15.43	91	4631414	11.564	ppbv	95
72) 4-Ethyltoluene	15.82	105	4975818	11.432	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	4634336	11.512	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	4837791	10.943	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	3247650	9.917	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	3287656	10.180	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	3189614	10.053	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	1913251	9.445	ppbv	100
79) Naphthalene	22.18	128	5420300	11.049	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1972288	11.780	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2800593	9.533	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.04 min

Lab File: VL035684.D

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MSVOA_L

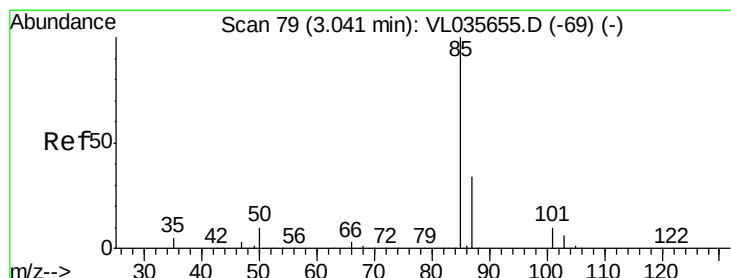
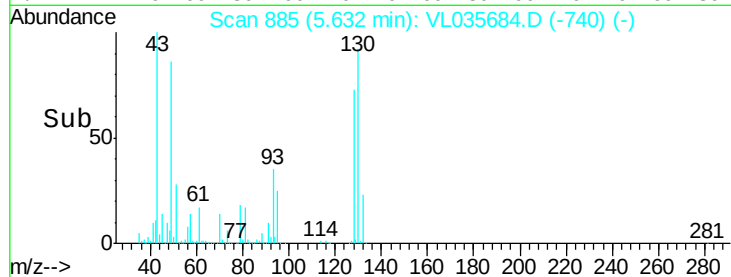
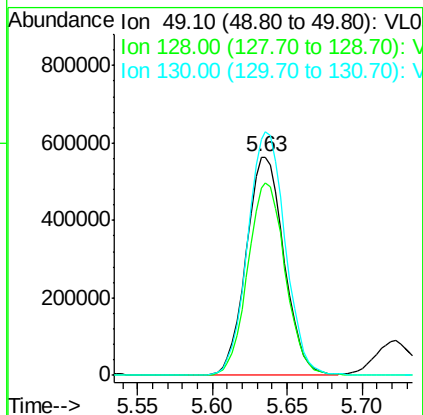
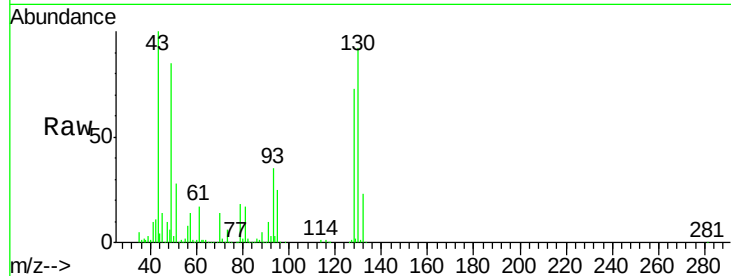
ClientSampleId :

VL0921ABS01

Tot Ion:	49	Resp:	993284
Ion	Ratio	Lower	Upper
49	100		
128	87.5	50.0	150.1
130	111.5	64.4	193.2

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#2

Dichlorodifluoromethane

Concen: 7.398 ppbv

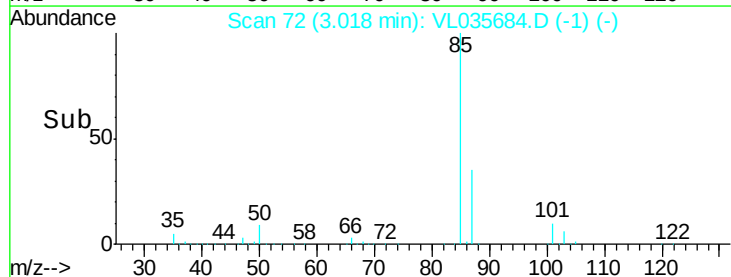
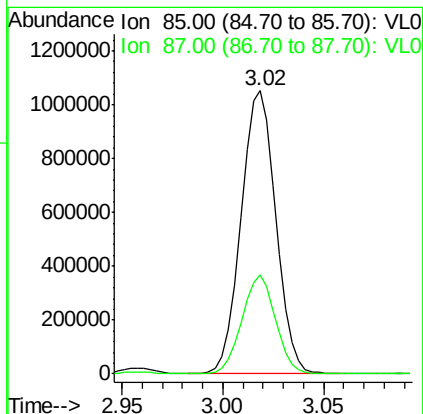
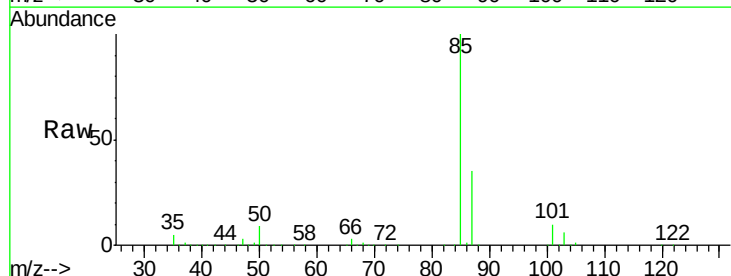
RT: 3.02 min Scan# 72

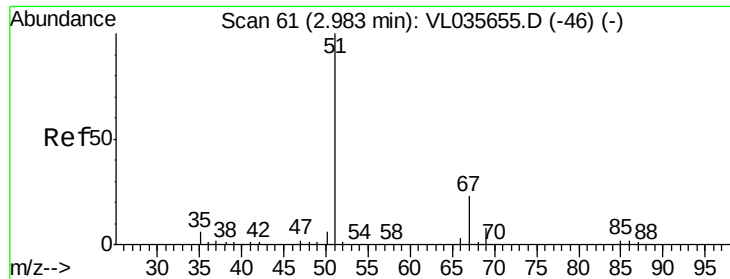
Delta R.T. -0.02 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Tgt Ion:	85	Resp:	1273417
Ion	Ratio	Lower	Upper
85	100		
87	35.2	28.0	42.0





#3

Chlorodifluoromethane

Concen: 10.045 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Tot Ion: 51 Resp: 1103488

Ion Ratio Lower Upper

51 100

67 22.5 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

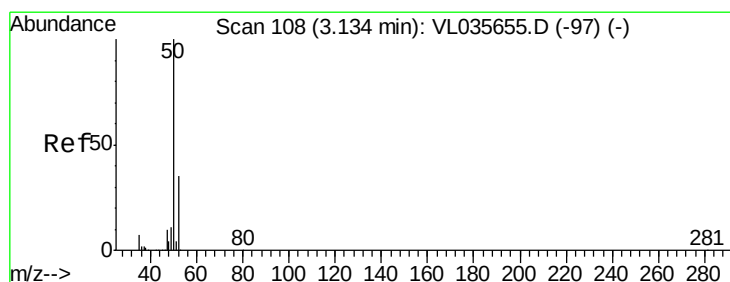
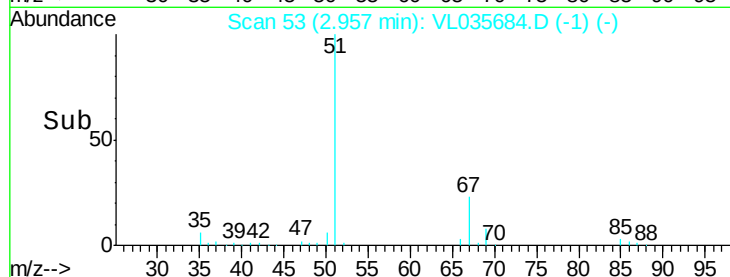
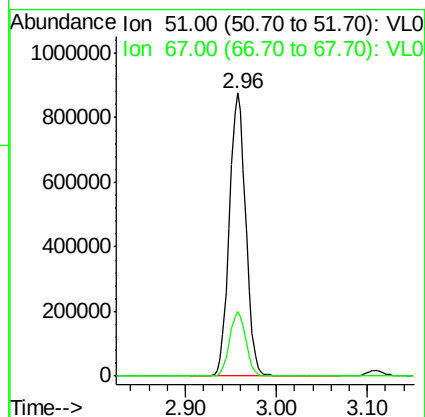
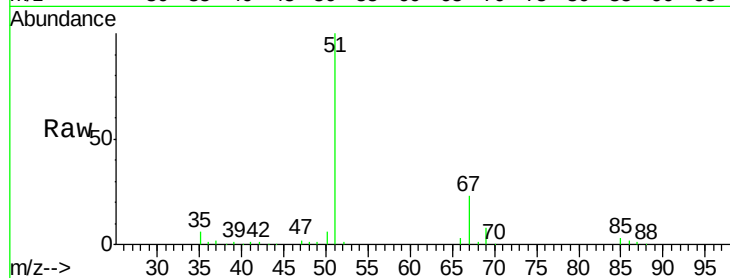
VL0921ABS01

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#4

Chloromethane

Concen: 10.031 ppbv

RT: 3.11 min Scan# 100

Delta R.T. -0.03 min

Lab File: VL035684.D

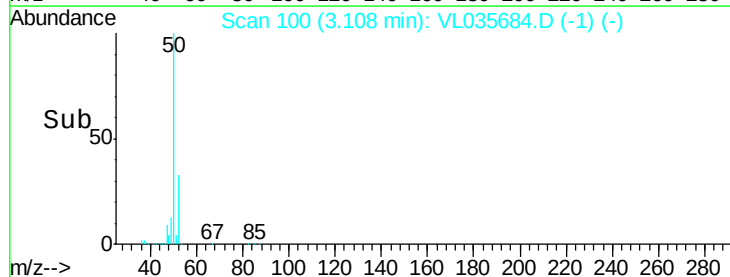
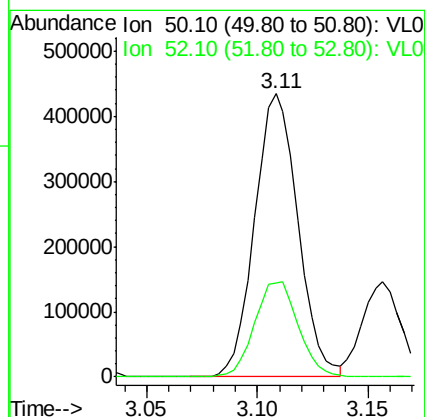
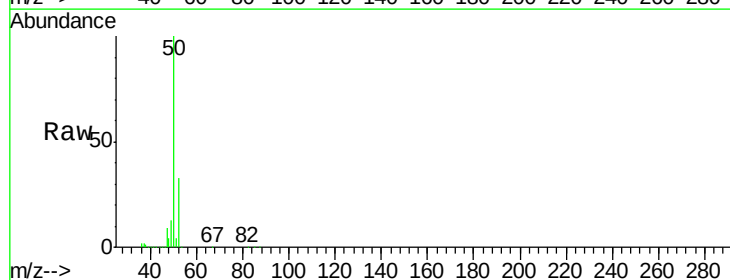
Acq: 21 Sep 2020 13:19

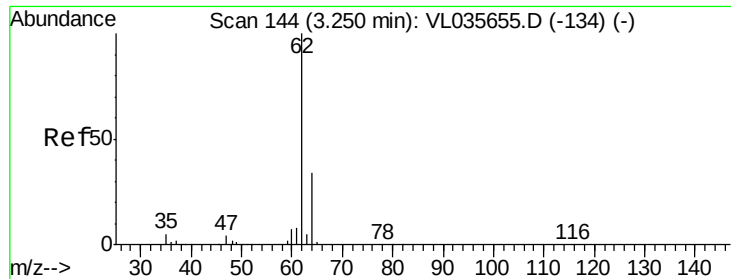
Tgt Ion: 50 Resp: 590397

Ion Ratio Lower Upper

50 100

52 33.0 27.7 41.5





#5

Vinyl Chloride

Concen: 9.636 ppbv

RT: 3.22 min Scan# 136

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

Tot Ion: 62 Resp: 699180

Ion Ratio Lower Upper

62 100

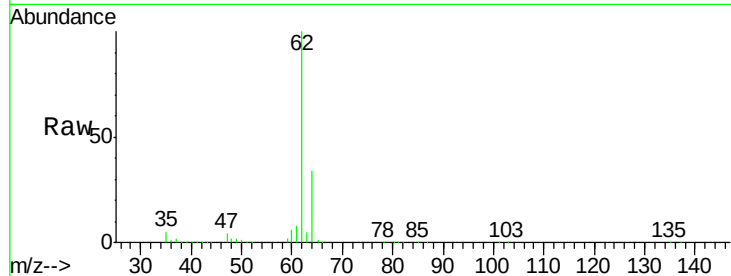
64 34.0 27.4 41.2

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

3.22

600000

500000

400000

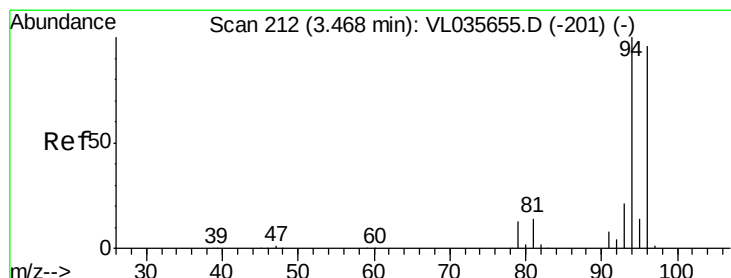
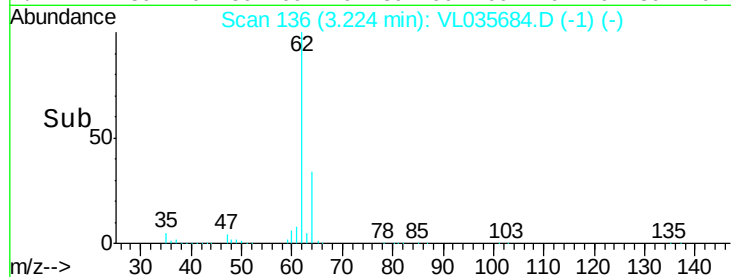
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.133 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.03 min

Lab File: VL035684.D

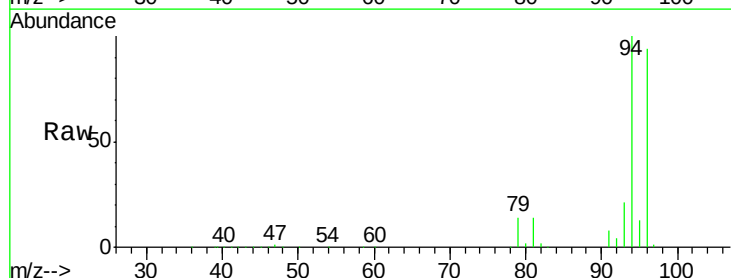
Acq: 21 Sep 2020 13:19

Tgt Ion: 94 Resp: 617606

Ion Ratio Lower Upper

94 100

96 94.3 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

500000

400000

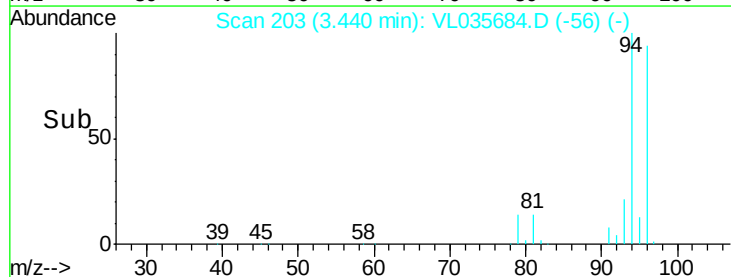
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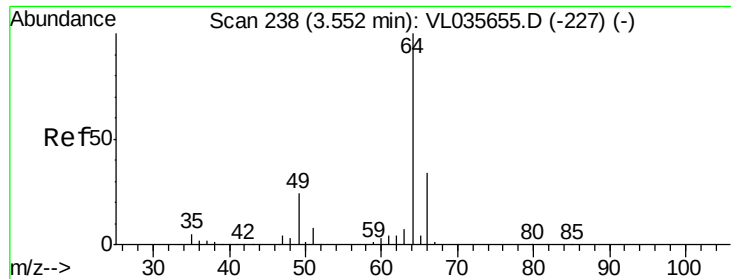
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.408 ppbv

RT: 3.53 min Scan# 230

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

Tot Ion: 64 Resp: 267003

Ion Ratio Lower Upper

64 100

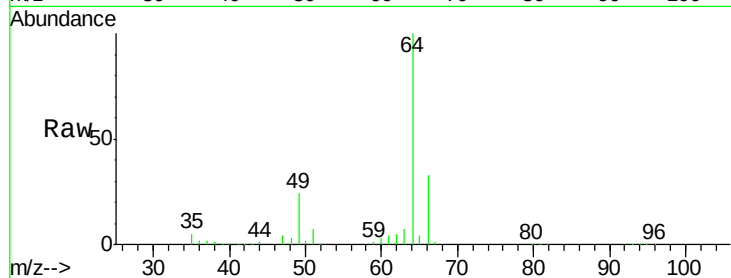
66 32.8 27.7 41.5

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

200000

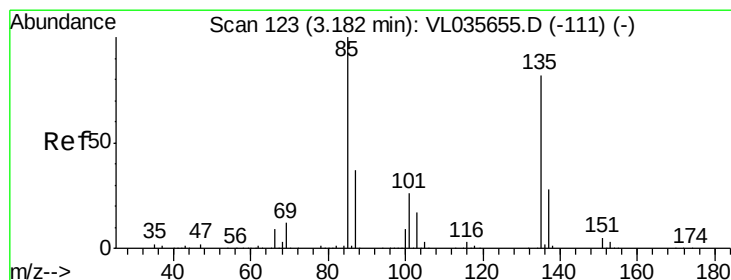
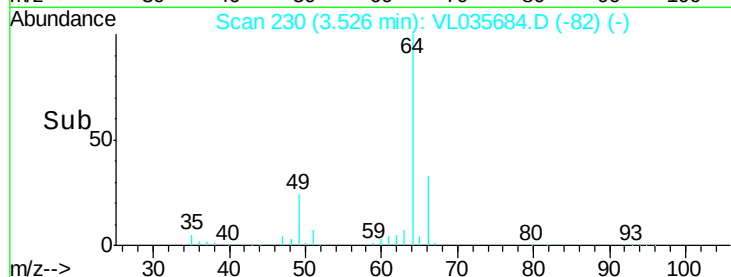
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.324 ppbv

RT: 3.16 min Scan# 115

Delta R.T. -0.03 min

Lab File: VL035684.D

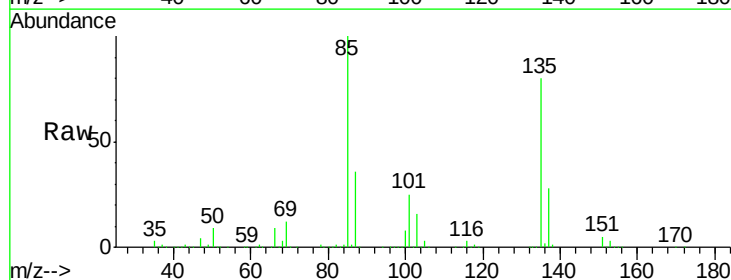
Acq: 21 Sep 2020 13:19

Tgt Ion: 85 Resp: 1943762

Ion Ratio Lower Upper

85 100

135 80.4 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.16

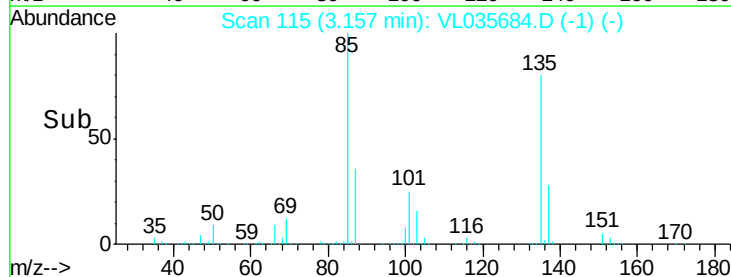
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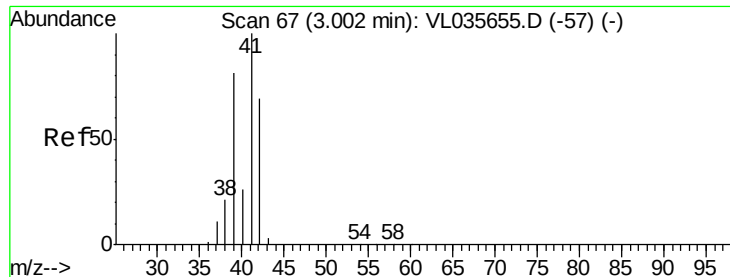
1000000

500000

0

Time-->





#9

Propene

Concen: 9.894 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.02 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

Tot Ion: 41 Resp: 419027

Ion Ratio Lower Upper

41 100

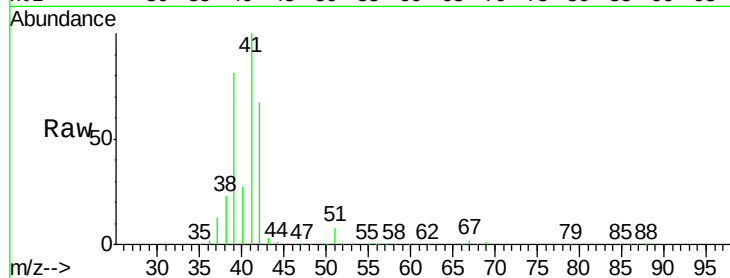
42 69.7 56.3 84.5

Manual Integrations

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.98

400000

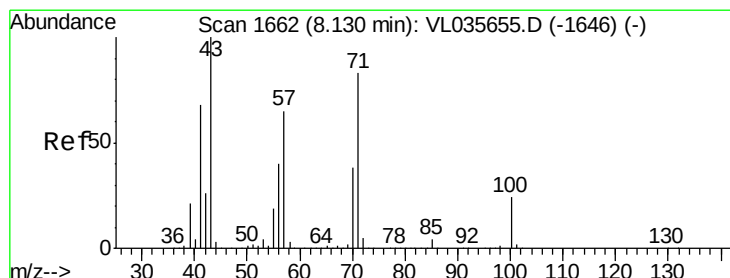
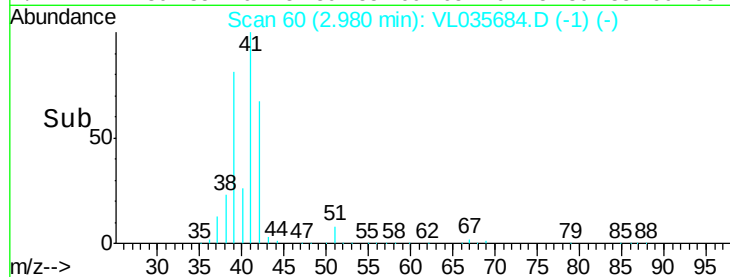
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.837 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.04 min

Lab File: VL035684.D

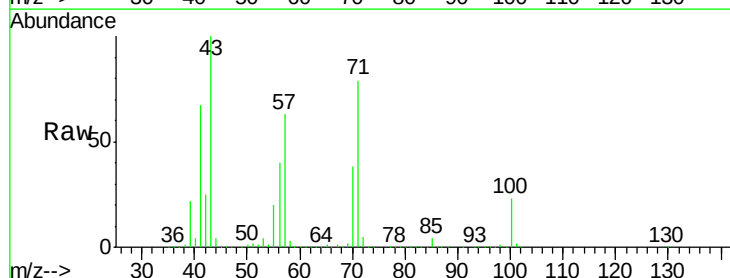
Acq: 21 Sep 2020 13:19

Tgt Ion: 43 Resp: 1232760

Ion Ratio Lower Upper

43 100

57 63.4 51.4 77.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.09

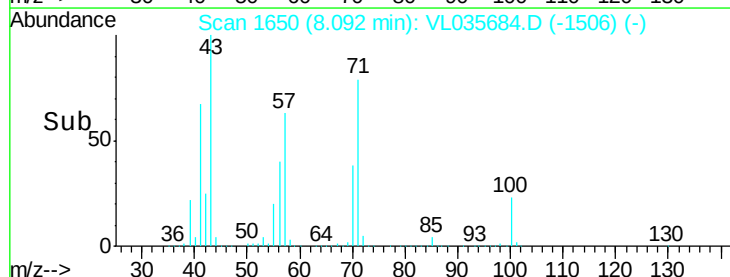
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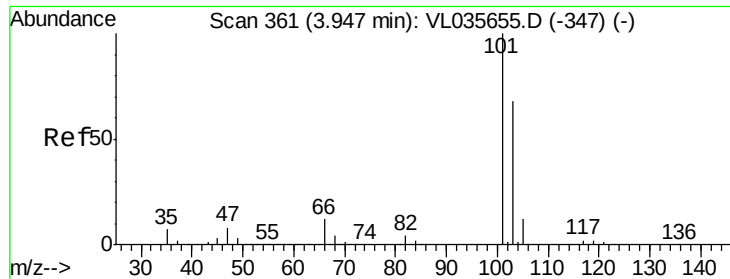
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200000

0

Time-->





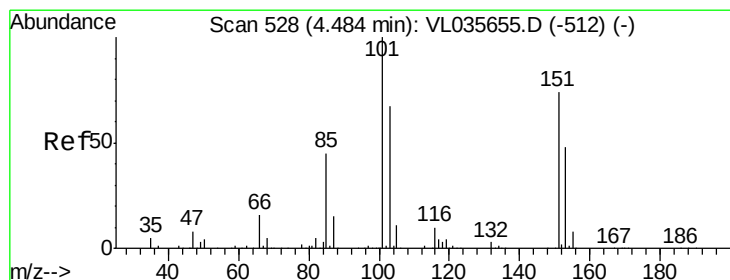
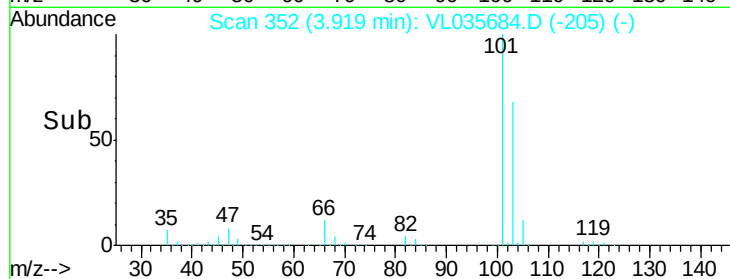
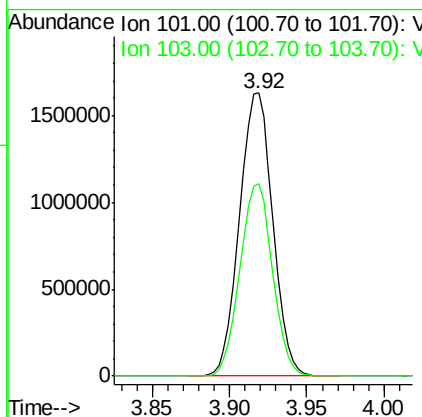
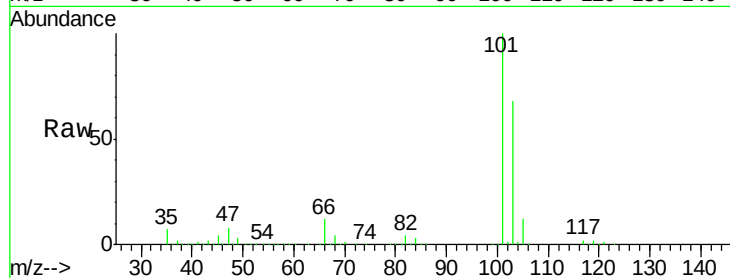
#11
 Trichlorofluoromethane
 Concen: 9.720 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. -0.03 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion:101 Resp: 2440078
 Ion Ratio Lower Upper
 101 100
 103 67.8 54.5 81.7

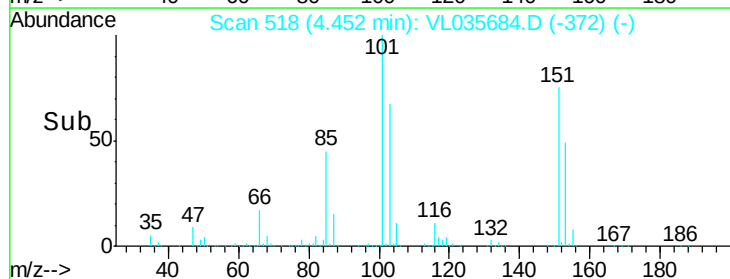
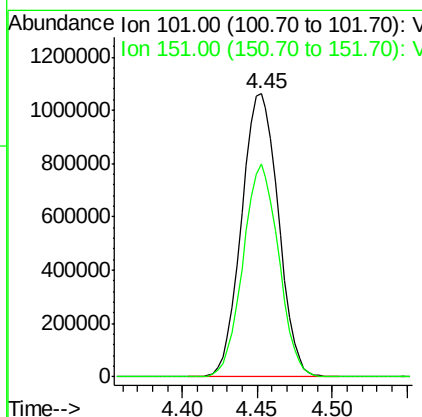
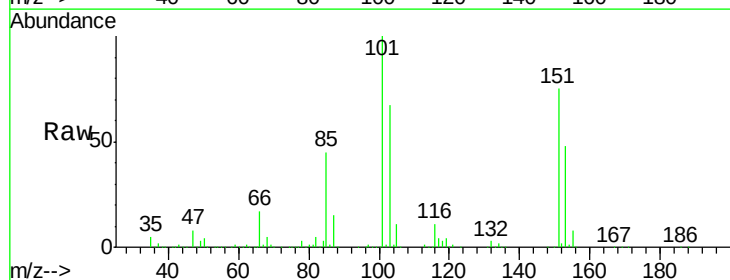
Manual Integrations
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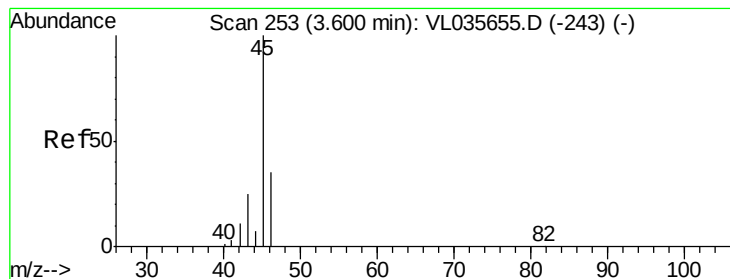
MMDadoda
 9/22/2020 2:05:56 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.636 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. -0.03 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion:101 Resp: 1825626
 Ion Ratio Lower Upper
 101 100
 151 72.8 63.5 95.3





#13

Ethanol

Concen: 8.935 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

Tot Ion: 45 Resp: 93819

Ion Ratio Lower Upper

45 100

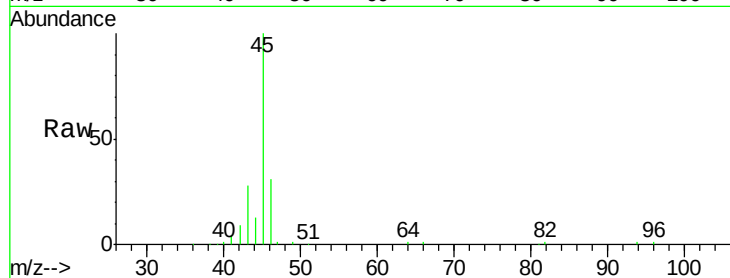
46 36.1 15.2 60.6

Manual Integrations

APPROVED

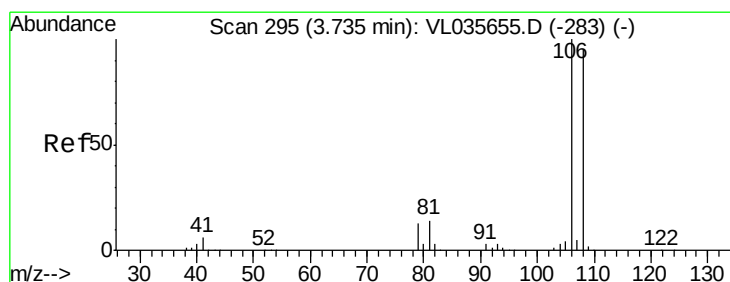
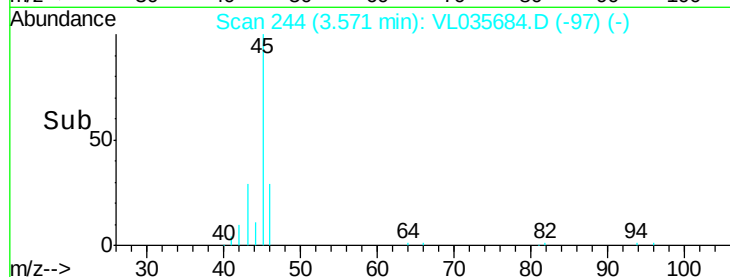
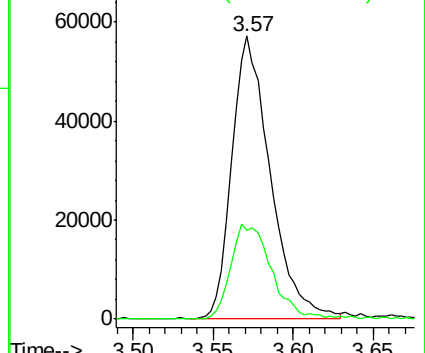
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.940 ppbv

RT: 3.71 min Scan# 286

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

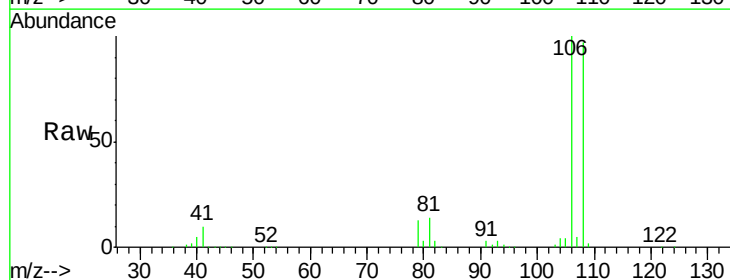
Tgt Ion: 108 Resp: 810673

Ion Ratio Lower Upper

108 100

106 105.5 84.9 127.3

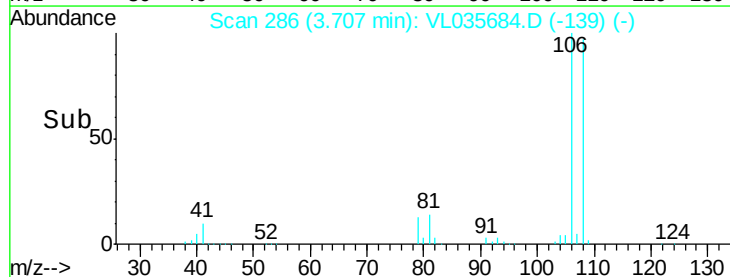
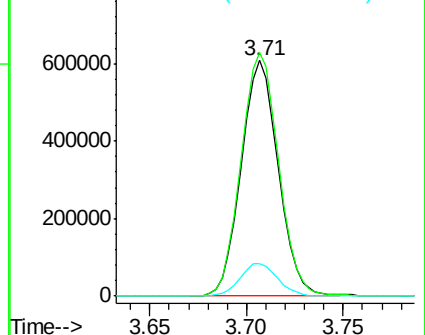
79 14.5 10.8 16.2

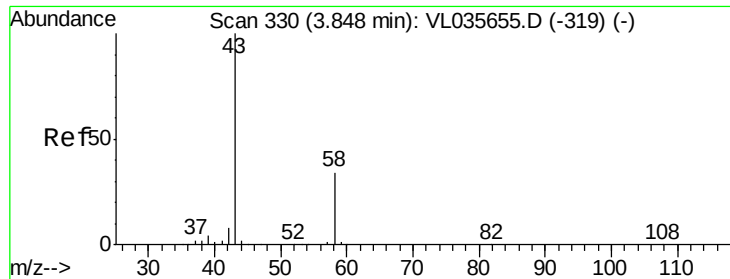


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.883 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

Tot Ion: 43 Resp: 973161

Ion Ratio Lower Upper

43 100

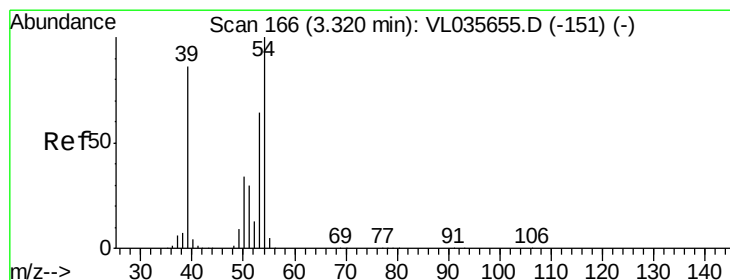
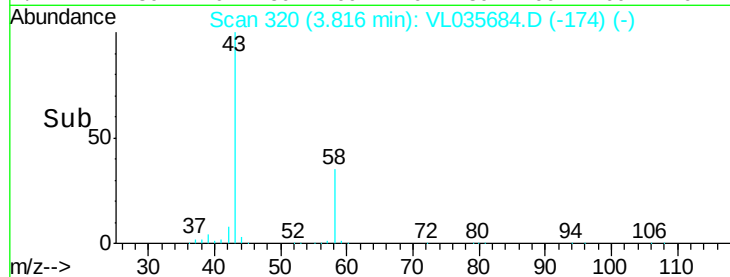
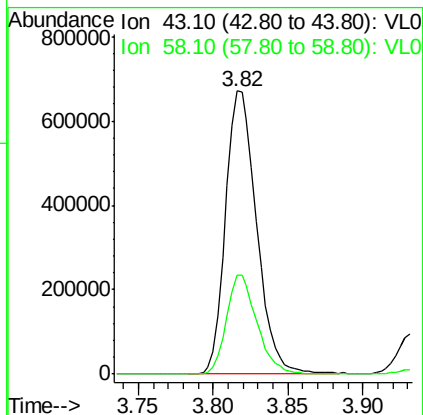
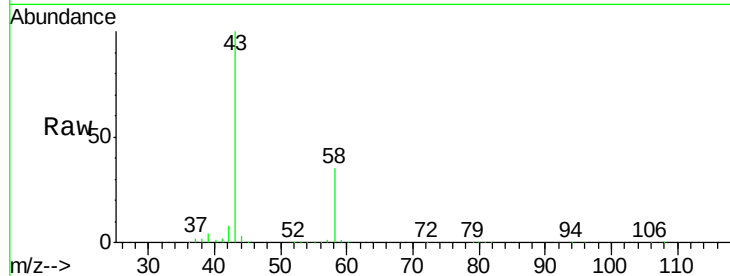
58 34.4 28.4 42.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.770 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.03 min

Lab File: VL035684.D

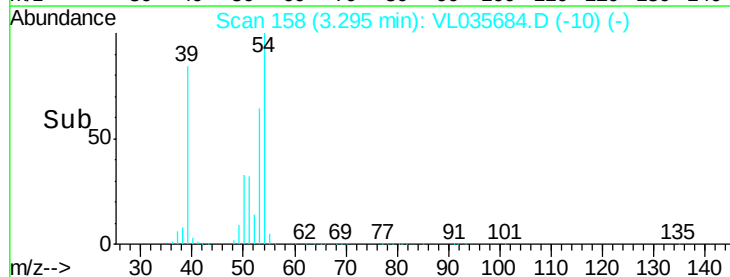
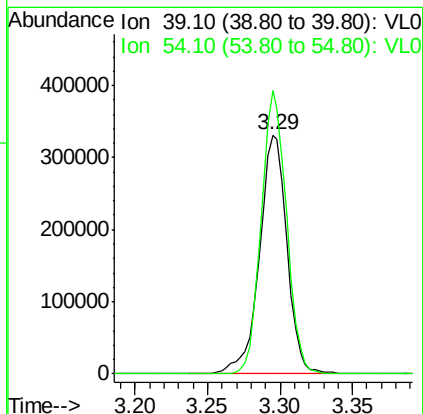
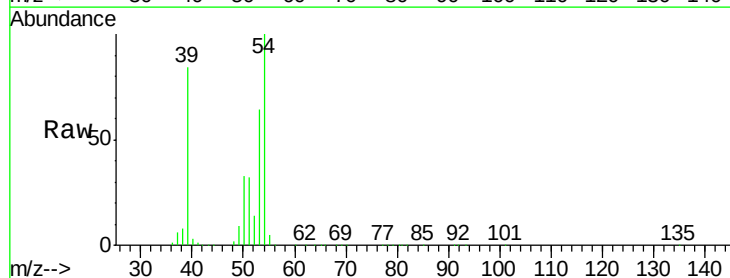
Acq: 21 Sep 2020 13:19

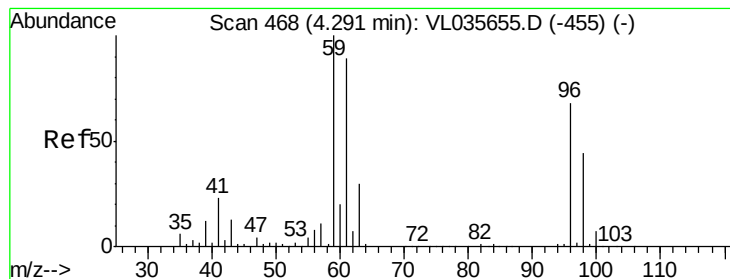
Tgt Ion: 39 Resp: 439196

Ion Ratio Lower Upper

39 100

54 109.3 88.4 132.6





#17

tert-Butyl alcohol

Concen: 9.872 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

Tot Ion: 59 Resp: 1316462

Ion Ratio Lower Upper

59 100

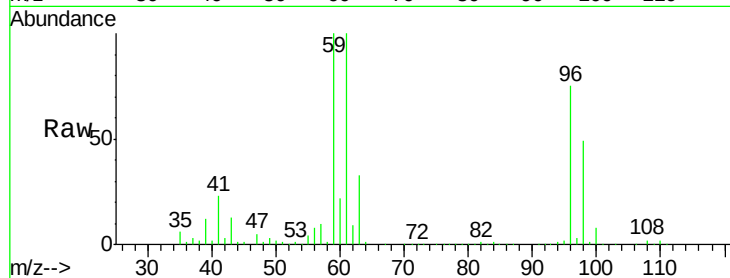
57 10.5 8.4 12.6

Manual Integrations

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.26

800000

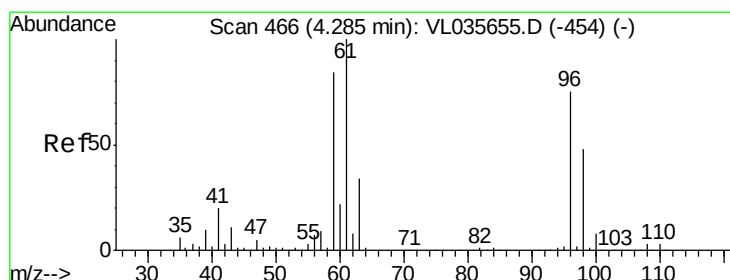
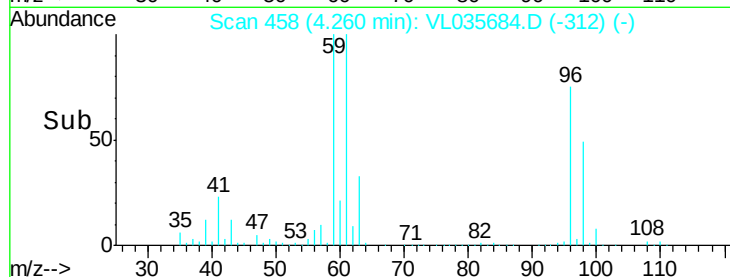
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.189 ppbv

RT: 4.26 min Scan# 457

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

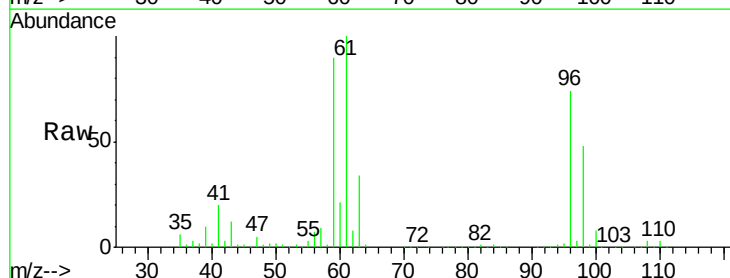
Tgt Ion: 96 Resp: 850117

Ion Ratio Lower Upper

96 100

61 134.3 103.0 154.6

98 63.8 52.8 79.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

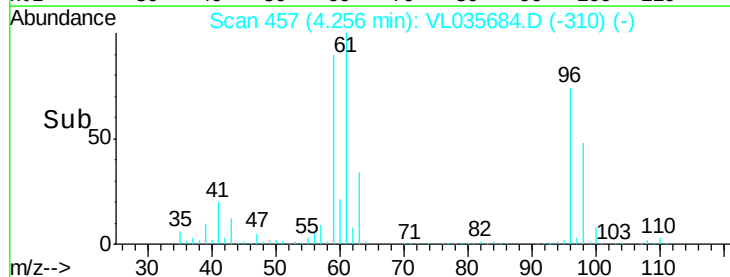
600000

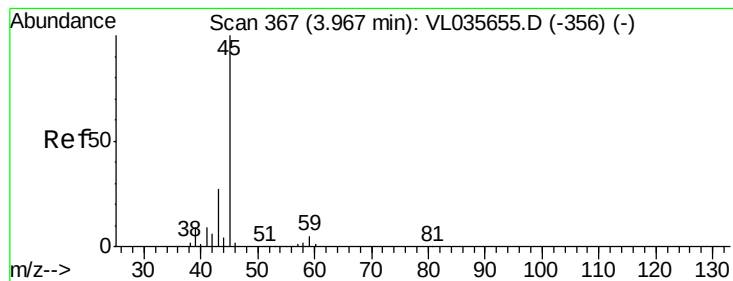
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.541 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

Tot Ion: 45 Resp: 623516

Ion Ratio Lower Upper

45 100

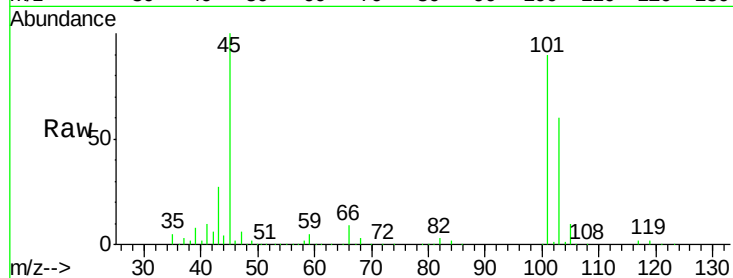
58 3.3 2.0 3.0#

Manual Integrations

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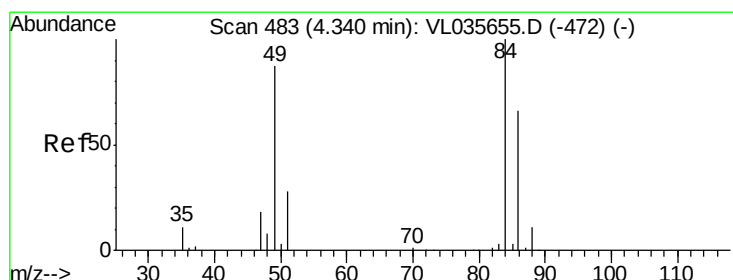
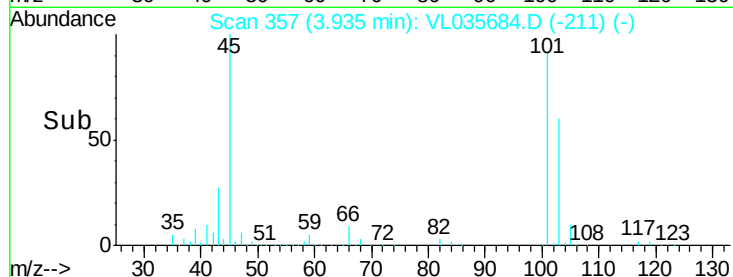
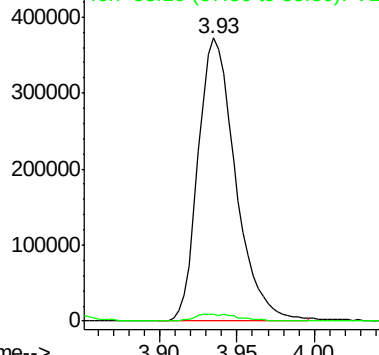
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.878 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.03 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Tgt Ion: 84 Resp: 724368

Ion Ratio Lower Upper

84 100

49 86.7 65.4 98.0

51 27.2 21.5 32.3

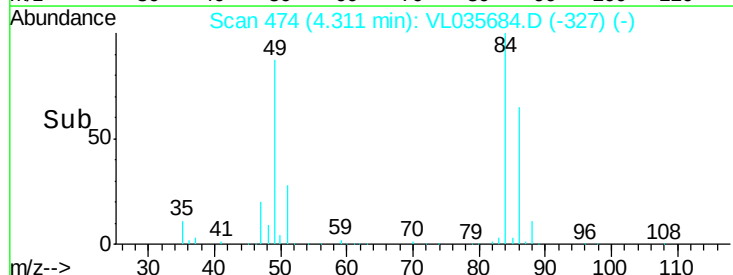
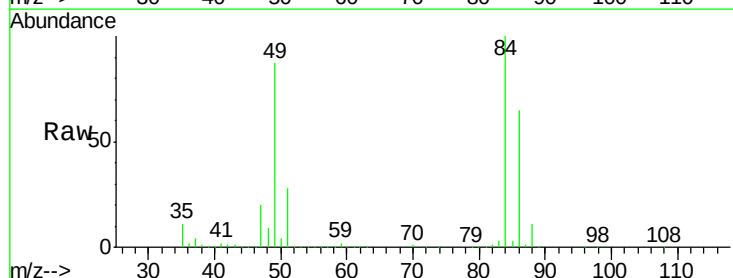
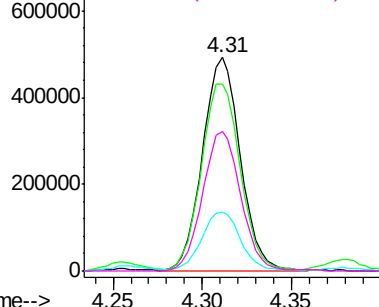
86 65.2 52.9 79.3

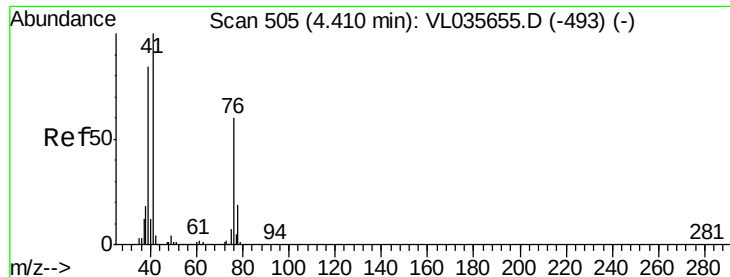
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





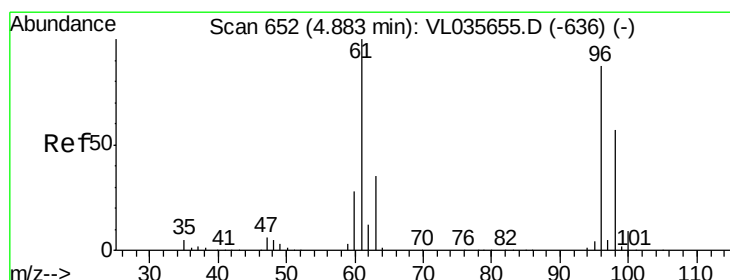
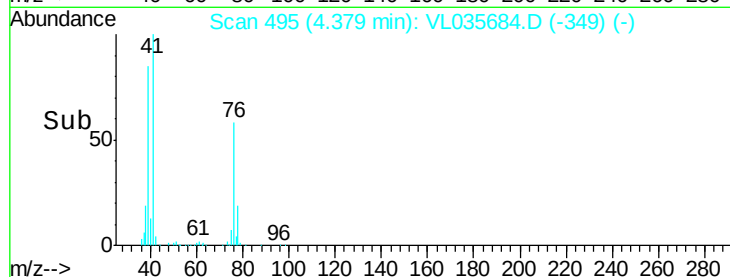
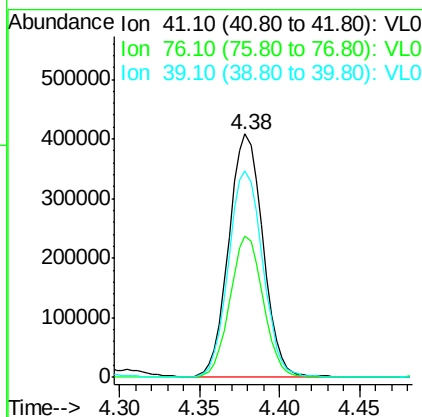
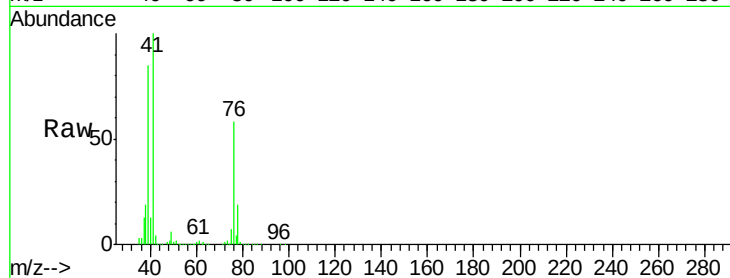
#21
Allvl Chloride
Concen: 11.480 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.03 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Instrument :
MSVOA_L
ClientSampled :
VL0921ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	56.5	46.2	69.2
39	85.5	67.8	101.6

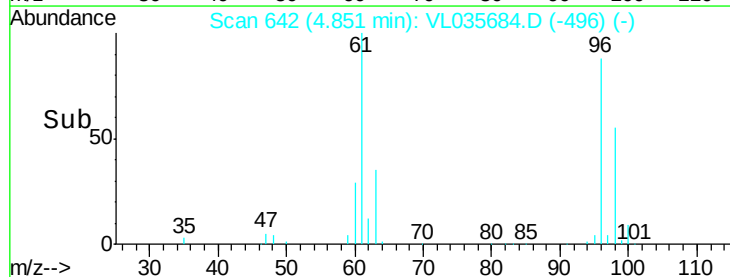
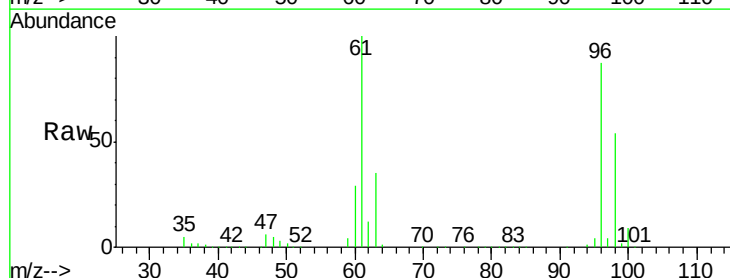
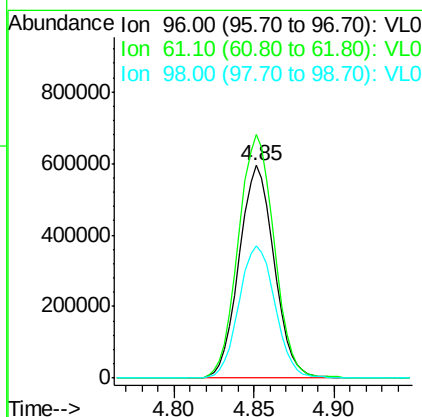
Manual Integrations
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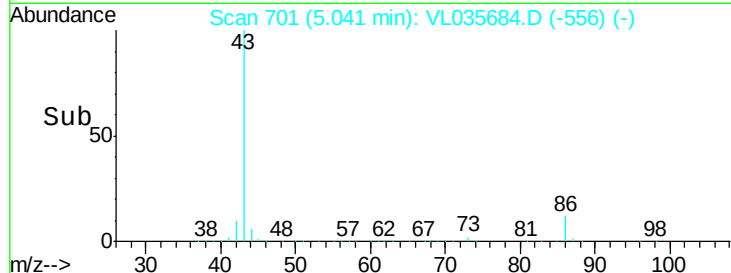
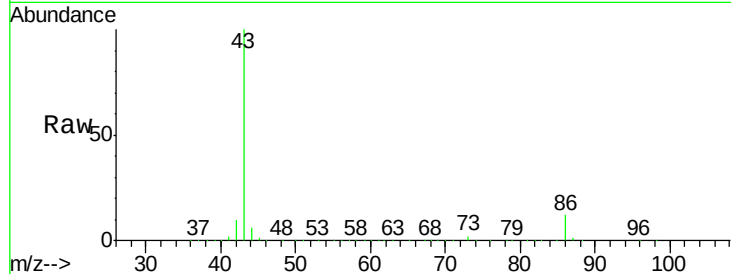
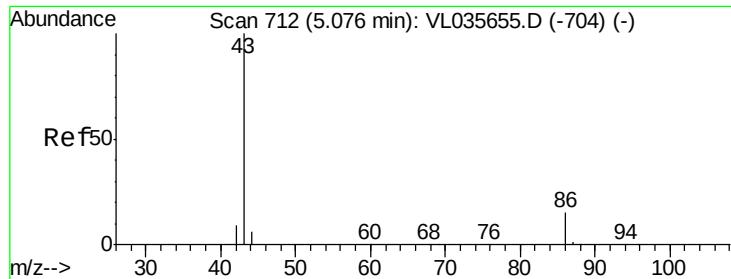
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.004 ppbv
RT: 4.85 min Scan# 642
Delta R.T. -0.03 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	114.5	86.0	129.0
98	62.3	52.3	78.5

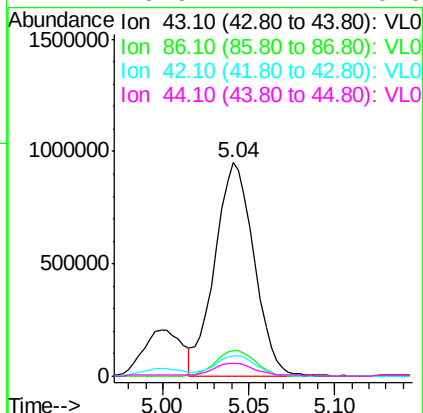




#23
 Vinyl Acetate
 Concen: 10.754 ppbv
 RT: 5.04 min Scan# 701
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tot Ion: 43 Resp: 1512036

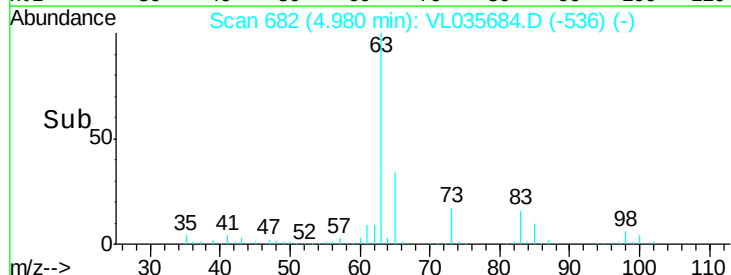
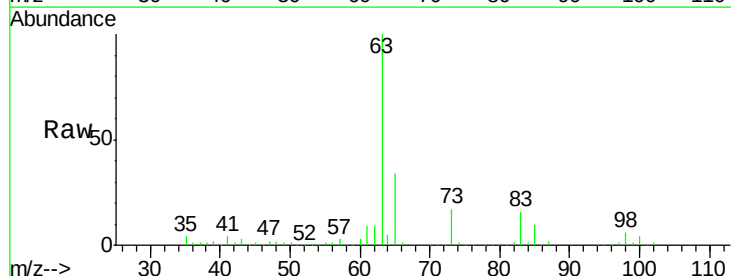
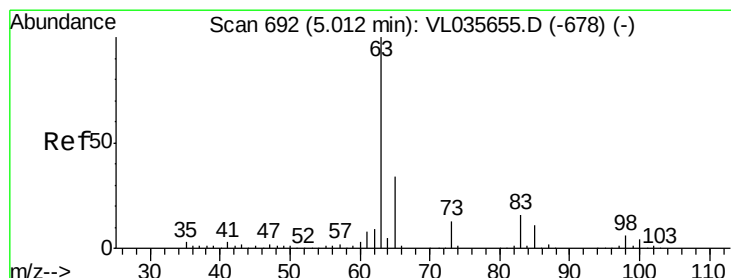
Ion	Ratio	Lower	Upper
43	100		
86	12.2	10.6	16.0
42	9.8	7.5	11.3
44	5.9	4.4	6.6



Instrument :
 MSVOA_L
 ClientSampled :
 VL0921ABS01

Manual Integrations
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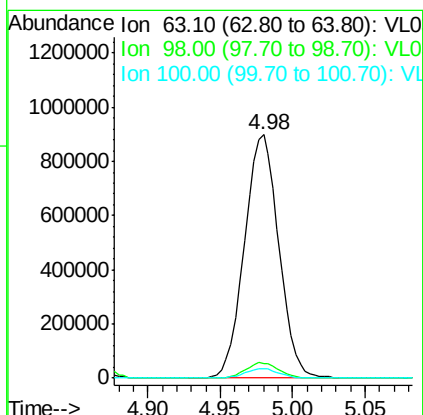
MMDadoda
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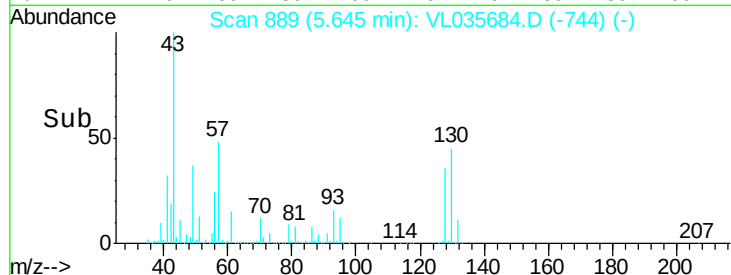
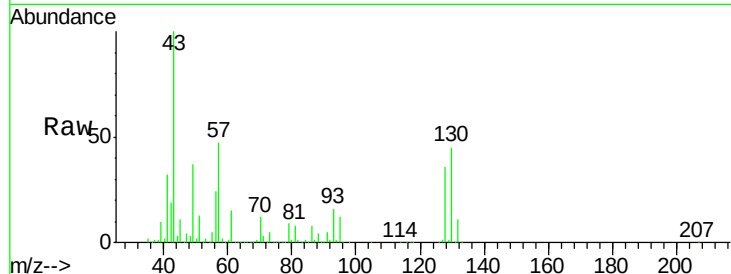
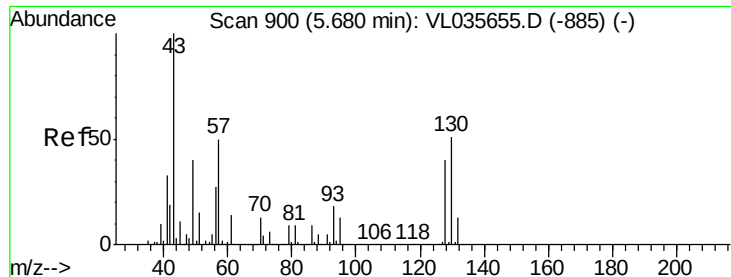


#24
 1,1-Dichloroethane
 Concen: 10.228 ppbv
 RT: 4.98 min Scan# 682
 Delta R.T. -0.03 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion: 63 Resp: 1479967

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.4	10.1
100	3.9	2.1	6.5





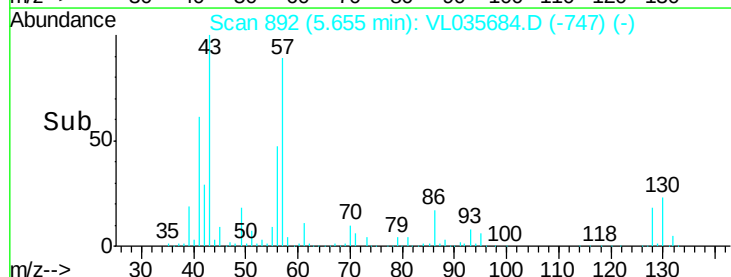
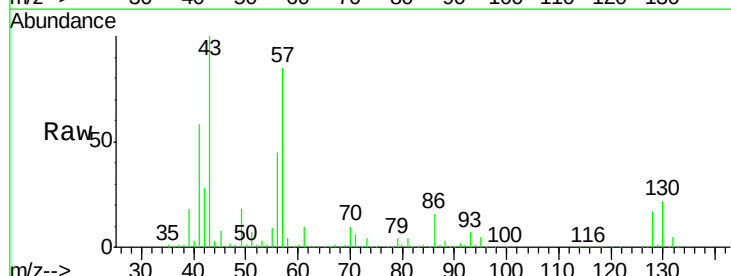
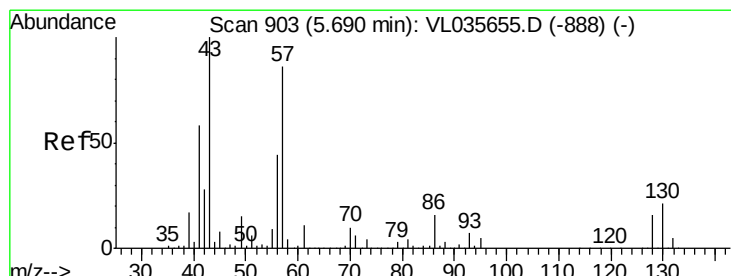
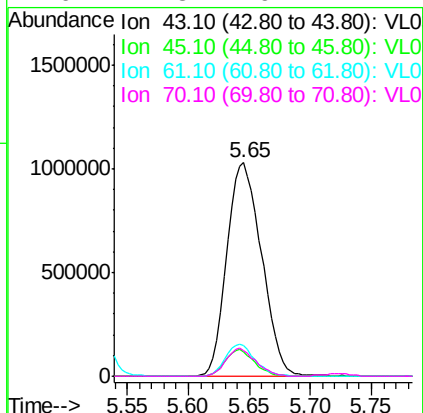
#25
Ethyl Acetate
Concen: 10.533 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.8	8.4	12.6	
61	13.2	10.6	16.0	
70	11.3	9.4	14.2	

Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

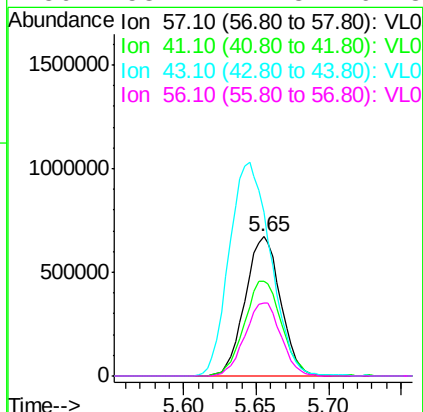
Manual Integrations
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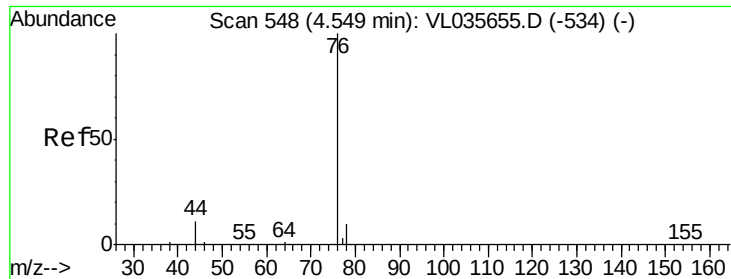
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#26
Hexane
Concen: 10.400 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	72.1	55.9	83.9	
43	179.2	141.8	212.8	
56	53.4	41.8	62.8	





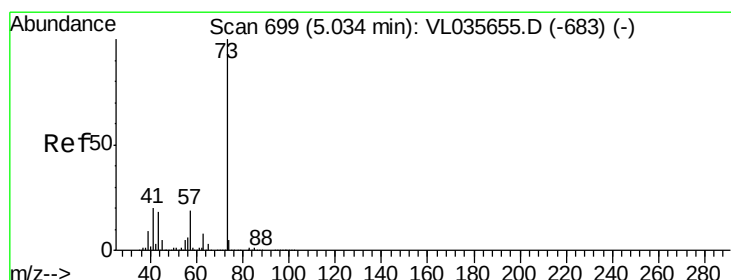
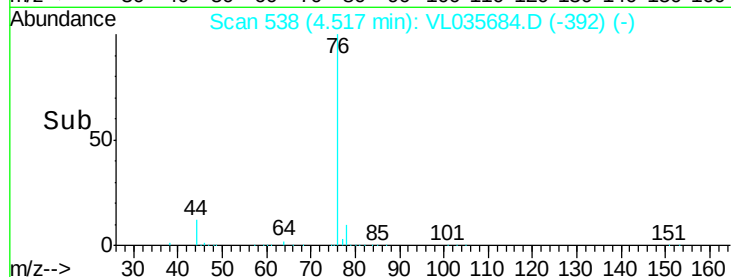
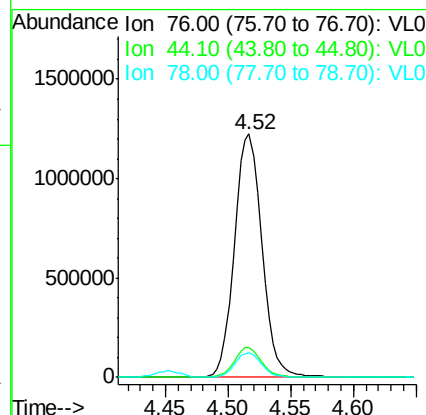
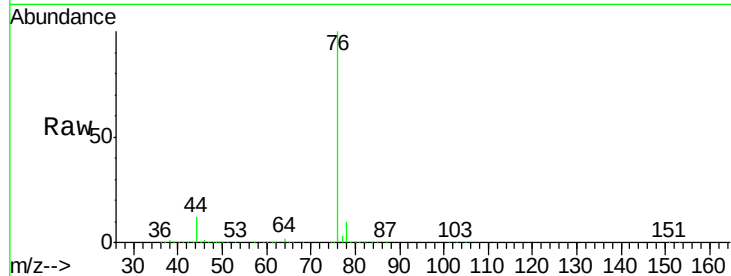
#27
Carbon Disulfide
Concen: 11.878 ppbv
RT: 4.52 min Scan# 538
Delta R.T. -0.03 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

Tot Ion: 76 Resp: 1869178
Ion Ratio Lower Upper
76 100
44 11.9 9.3 13.9
78 9.7 7.8 11.6

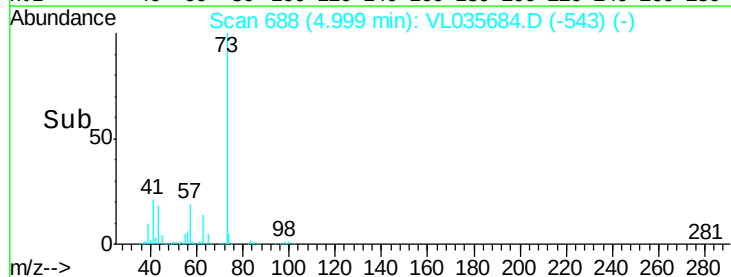
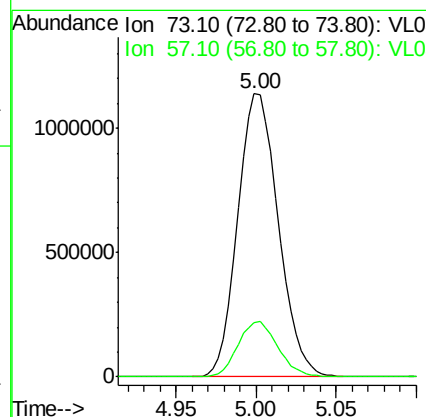
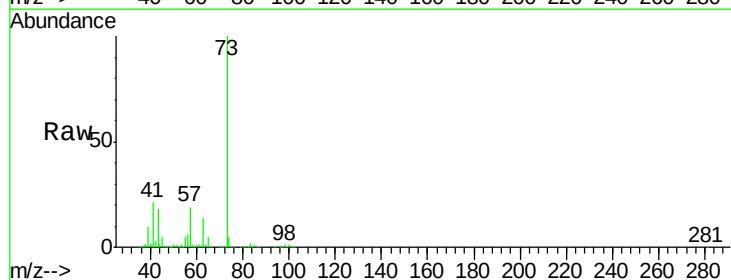
Manual Integrations
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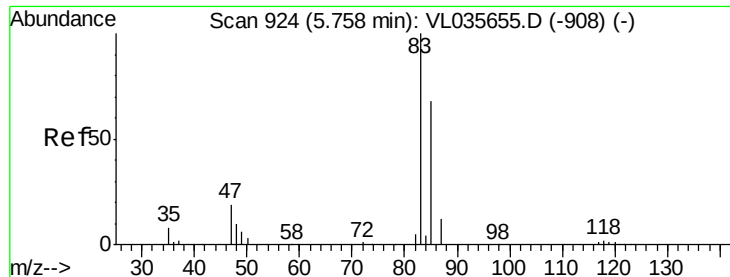
MMDadoda
9/22/2020 2:05:56 PM



#28
Methyl tert-Butyl Ether
Concen: 10.293 ppbv
RT: 5.00 min Scan# 688
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion: 73 Resp: 1967210
Ion Ratio Lower Upper
73 100
57 19.4 15.2 22.8





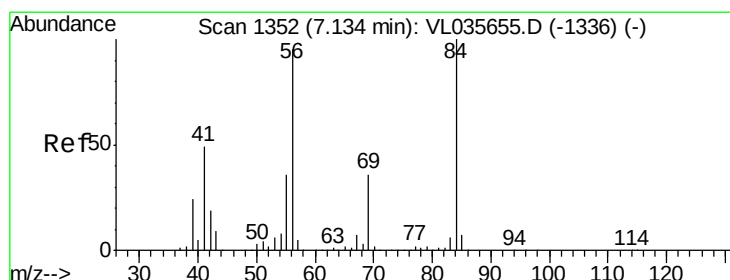
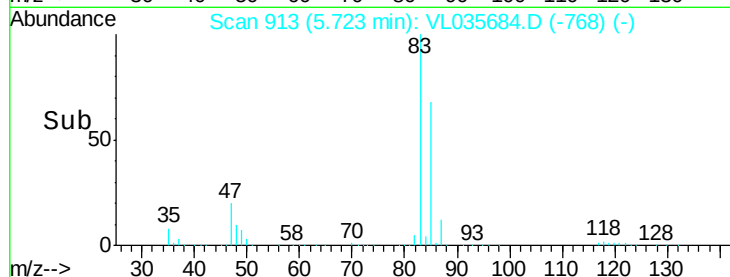
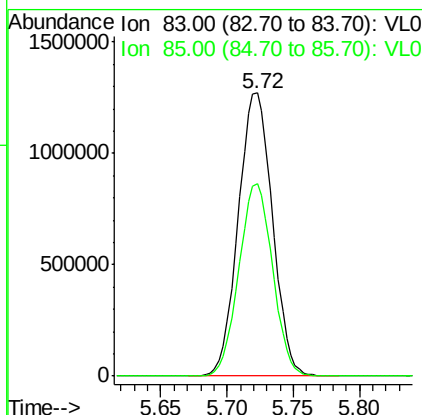
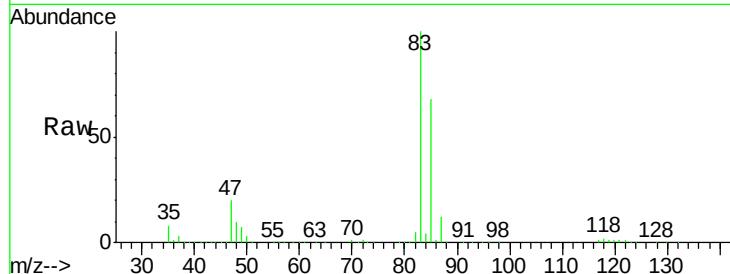
#29
Chloroform
Concen: 10.239 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

Tot Ion: 83 Resp: 2287729
Ion Ratio Lower Upper
83 100
85 68.0 53.9 80.9

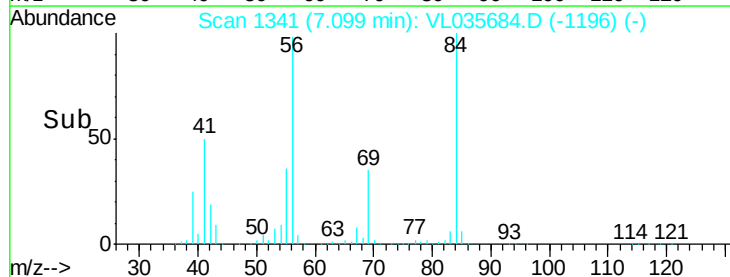
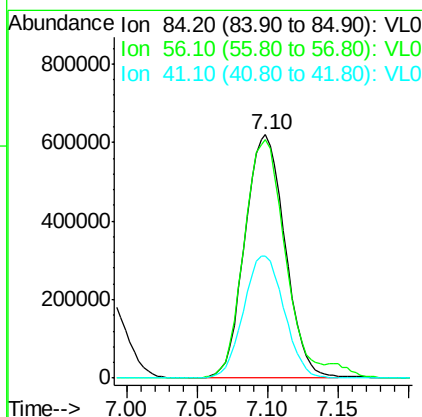
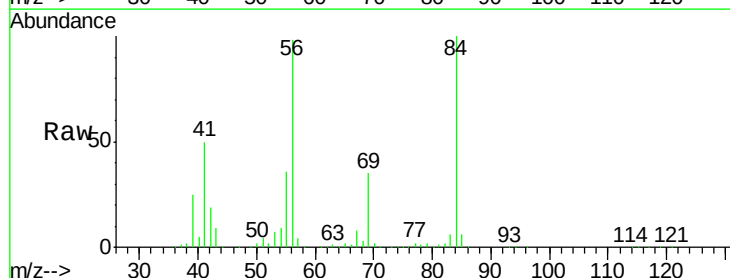
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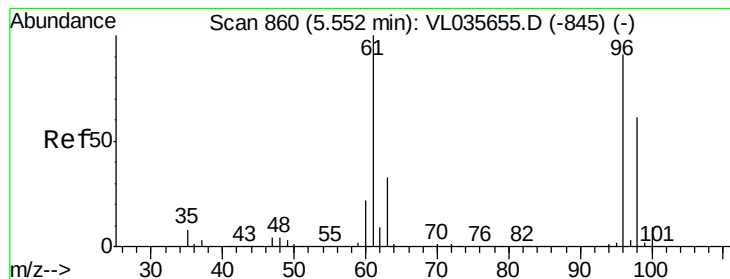
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#30
Cyclohexane
Concen: 10.514 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion: 84 Resp: 1235157
Ion Ratio Lower Upper
84 100
56 103.4 80.1 120.1
41 50.9 38.1 57.1





#31

cis-1,2-Dichloroethene

Concen: 10.613 ppbv

RT: 5.52 min Scan# 849

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleID :

VL0921ABS01

Tot Ion: 61 Resp: 1193971

Ion Ratio Lower Upper

61 100

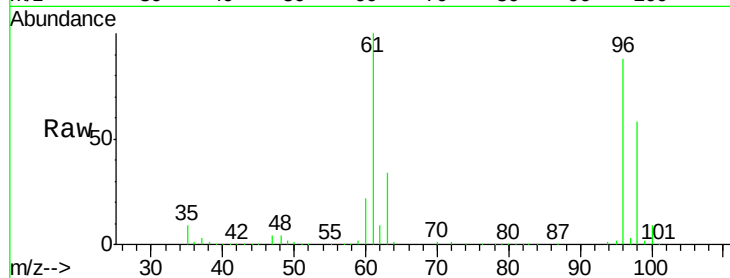
96 88.2 74.4 111.6

98 57.6 49.2 73.8

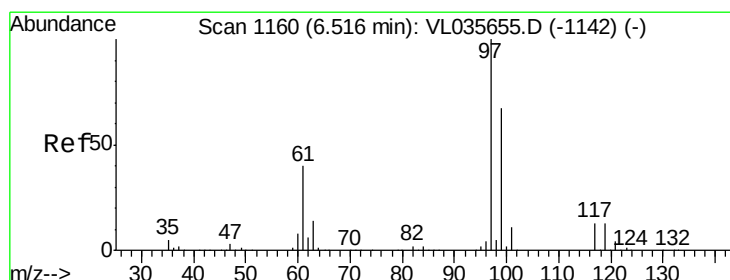
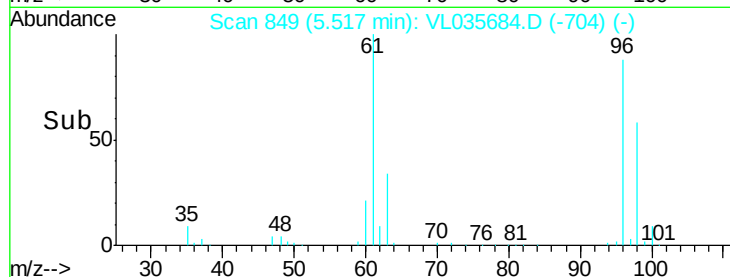
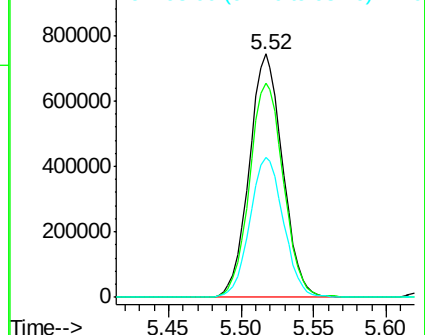
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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.335 ppbv

RT: 6.48 min Scan# 1149

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

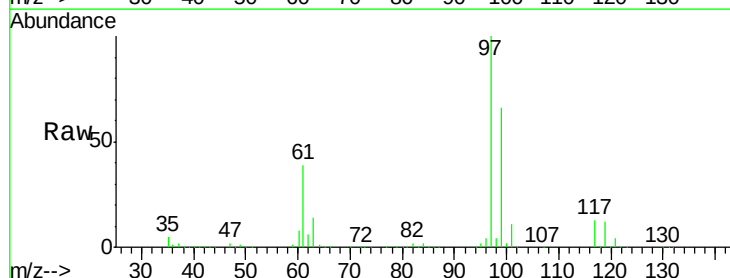
Tgt Ion: 97 Resp: 2240099

Ion Ratio Lower Upper

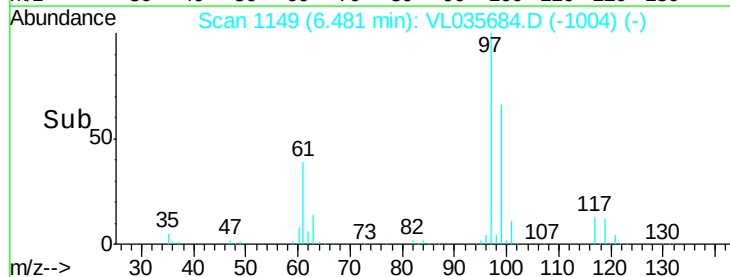
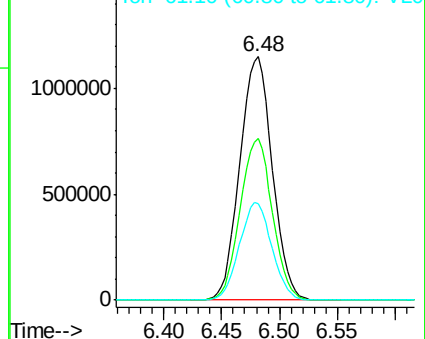
97 100

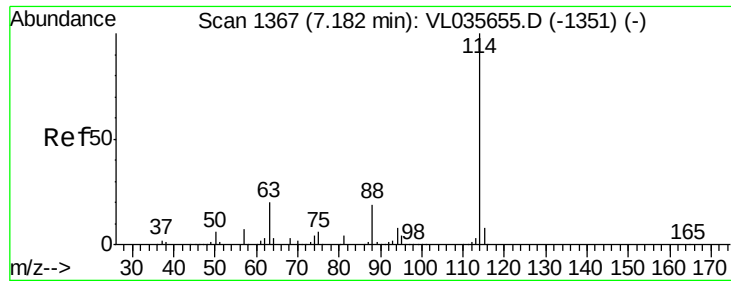
99 65.8 53.3 79.9

61 40.0 30.6 46.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





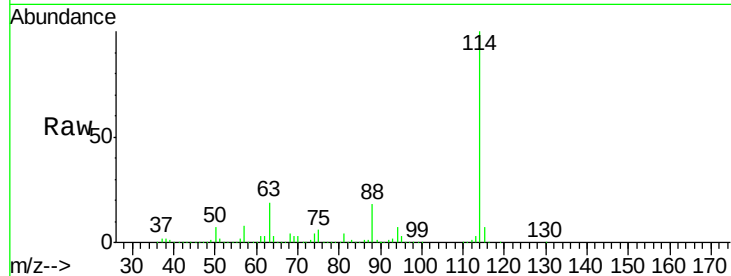
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

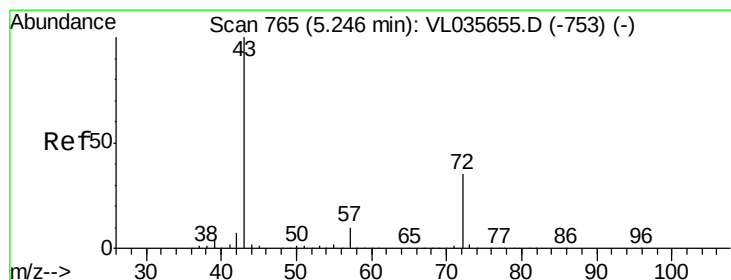
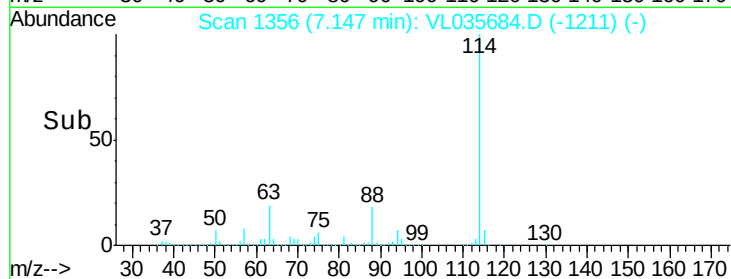
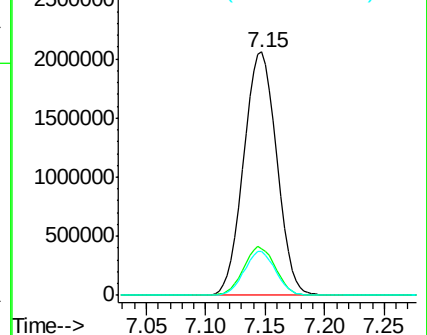
Tot Ion:114 Resp: 3966598
 Ion Ratio Lower Upper
 114 100
 63 19.5 14.7 22.1
 88 17.1 13.4 20.2

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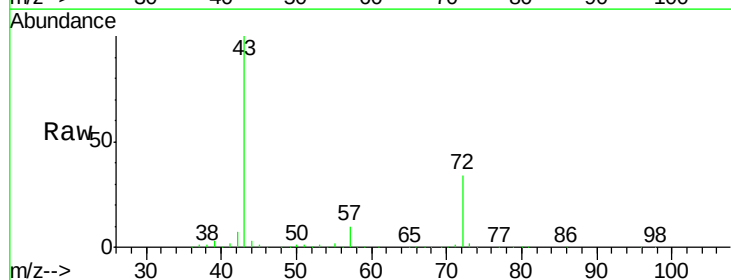


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

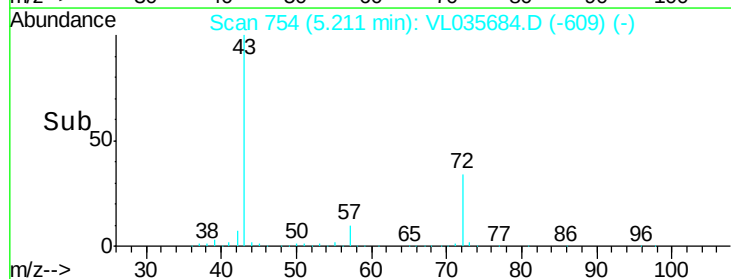
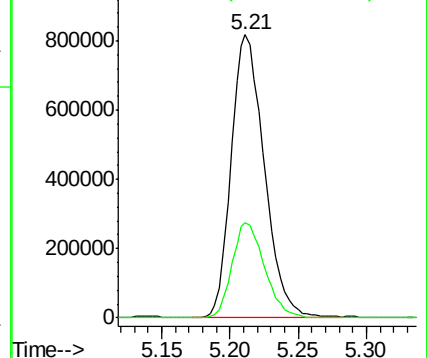


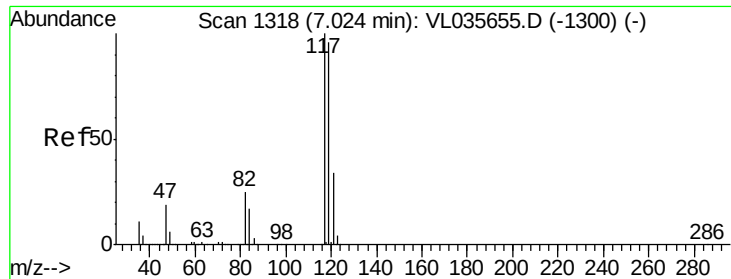
#34
 2-Butanone
 Concen: 11.694 ppbv
 RT: 5.21 min Scan# 754
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion: 43 Resp: 1376552
 Ion Ratio Lower Upper
 43 100
 72 33.1 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





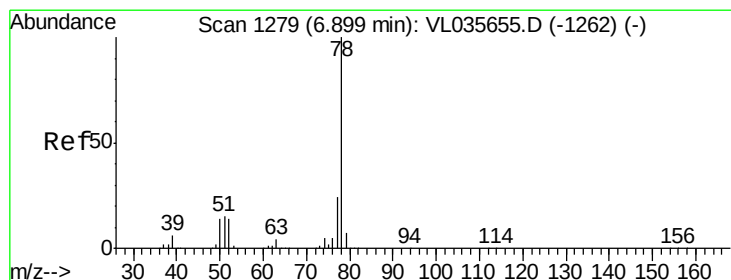
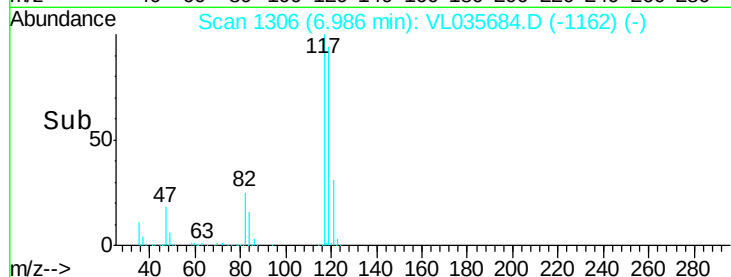
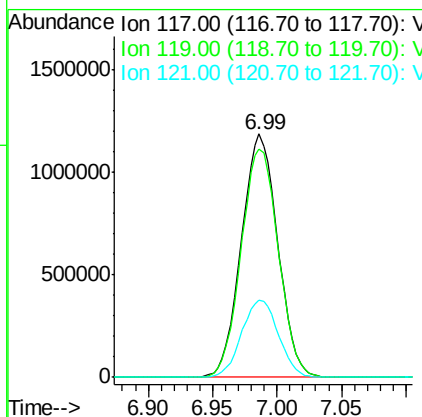
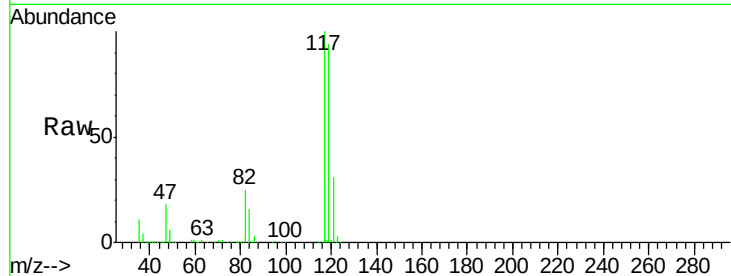
#35
Carbon Tetrachloride
Concen: 11.707 ppbv
RT: 6.99 min Scan# 1306
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.2	115.8
121	31.5	26.1	39.1

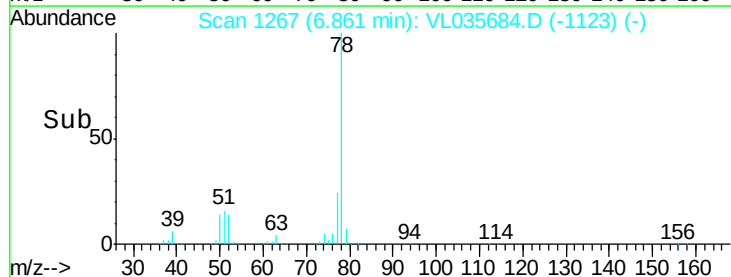
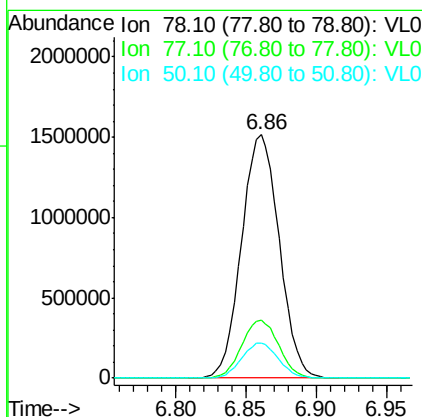
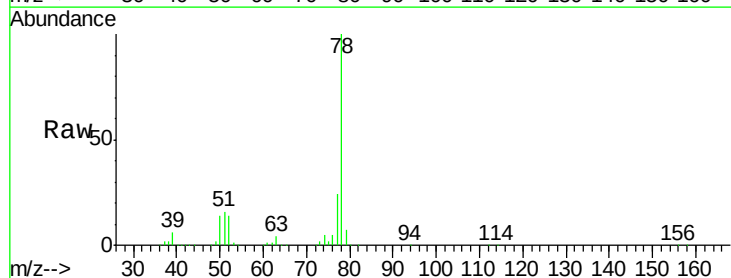
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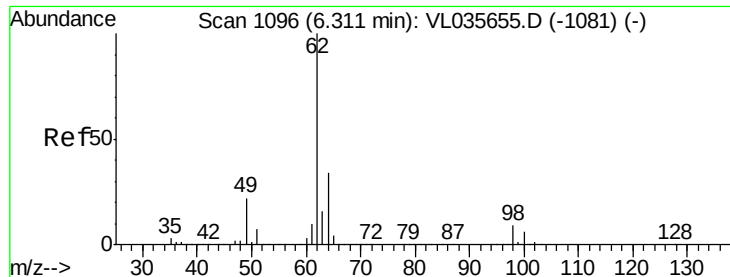
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#36
Benzene
Concen: 11.061 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9
50	14.4	11.0	16.6





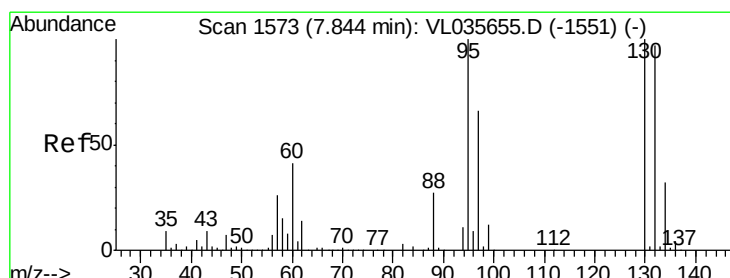
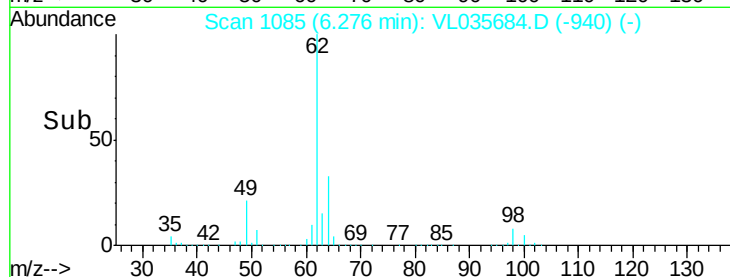
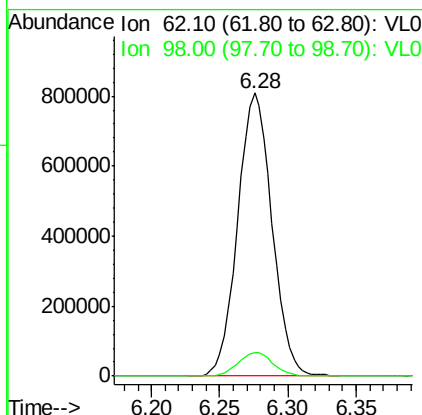
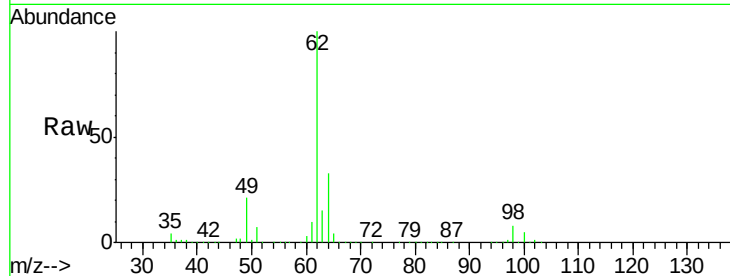
#37
 1,2-Dichloroethane
 Concen: 11.523 ppbv
 RT: 6.28 min Scan# 1085
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion: 62 Resp: 1410626
 Ion Ratio Lower Upper
 62 100
 98 8.5 7.4 11.0

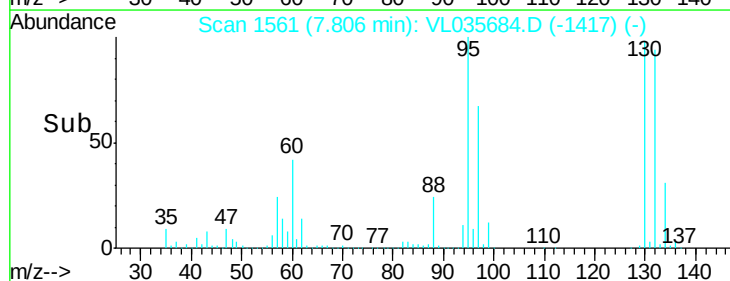
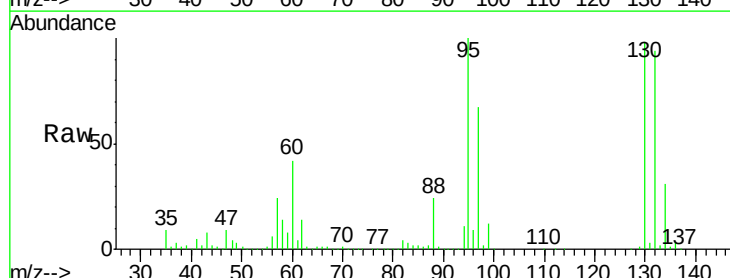
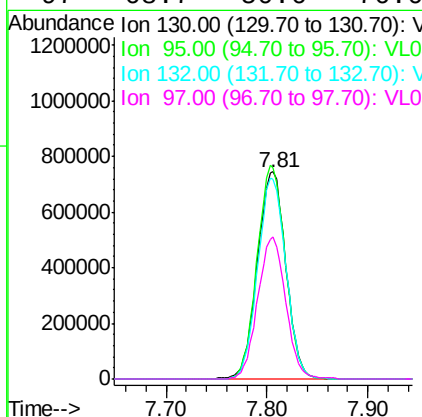
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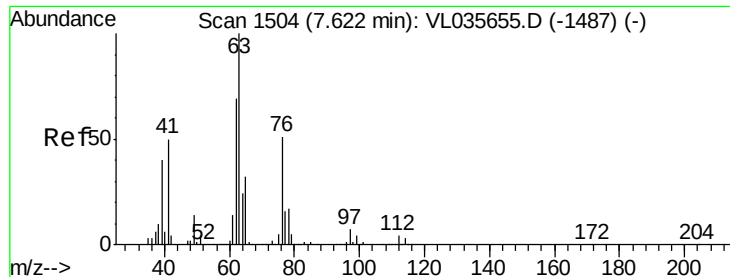
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#38
 Trichloroethene
 Concen: 9.792 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion:130 Resp: 1460459
 Ion Ratio Lower Upper
 130 100
 95 102.0 74.6 112.0
 132 96.1 77.6 116.4
 97 68.7 50.6 76.0





#39

1,2-Dichloropropane

Concen: 11.120 ppbv

RT: 7.58 min Scan# 1492

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

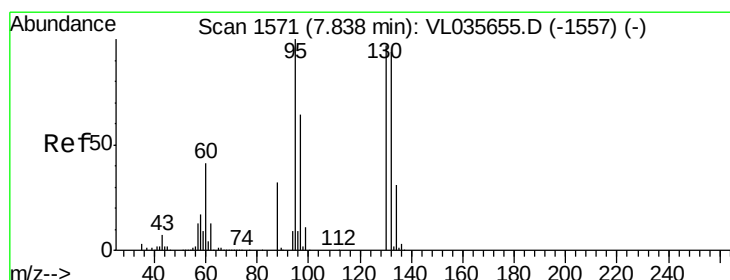
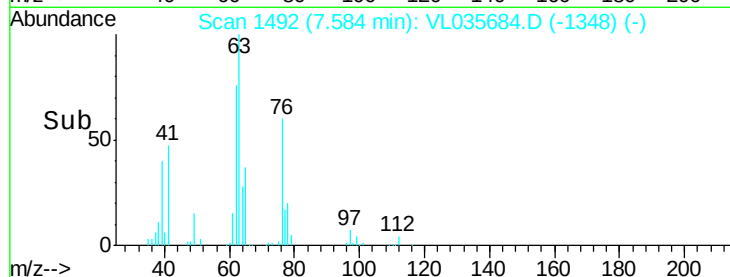
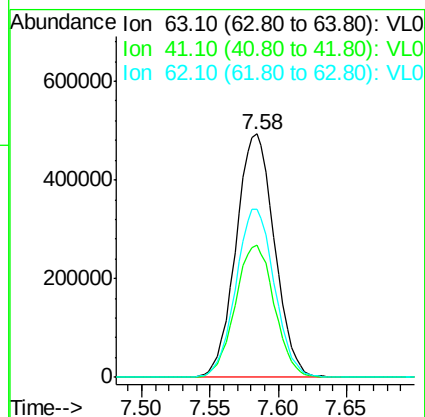
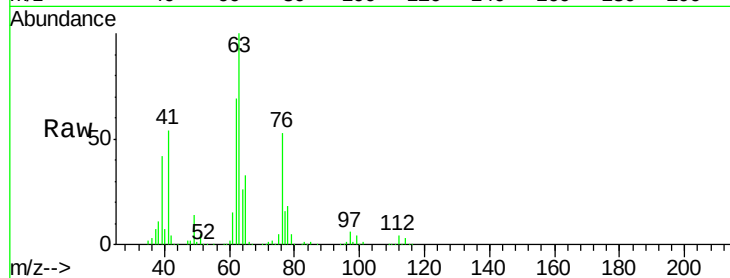
ClientSampleId :

VL0921ABS01

Tot Ion:	63	Resp:	964545
Ion Ratio	Lower	Upper	
63	100		
41	54.3	40.0	60.0
62	69.2	55.4	83.0

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#40

1,4-Dioxane

Concen: 10.754 ppbv

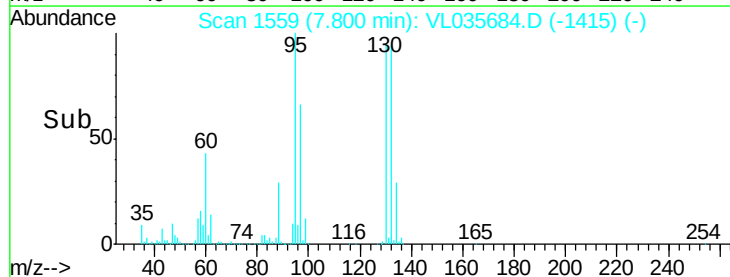
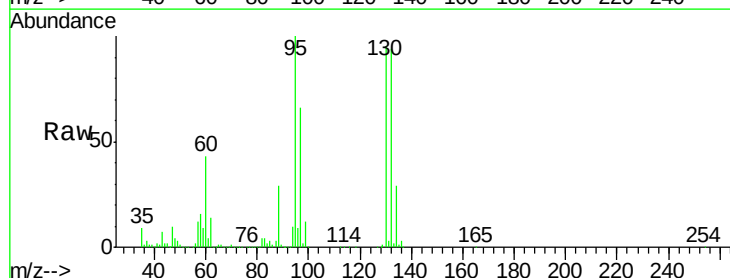
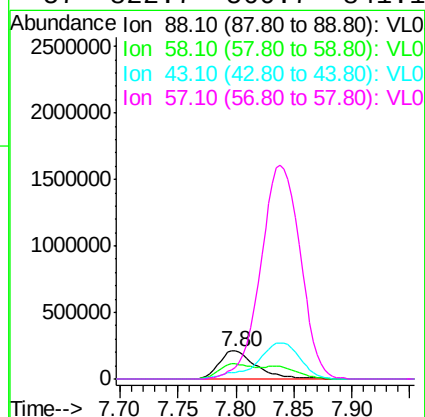
RT: 7.80 min Scan# 1559

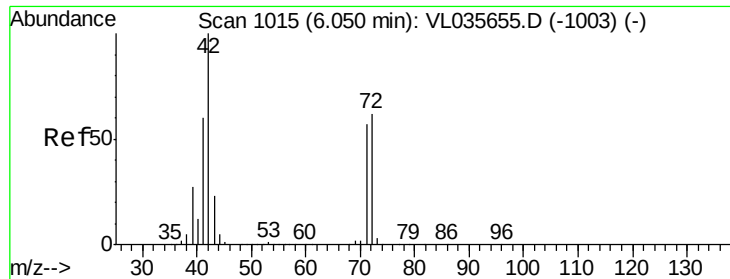
Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Tgt Ion:	88	Resp:	465946
Ion Ratio	Lower	Upper	
88	100		
58	94.4	68.7	103.1
43	154.0	104.3	156.5
57	822.7	560.7	841.1





#41

Tetrahydrofuran

Concen: 12.382 ppbv

RT: 6.02 min Scan# 1004

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

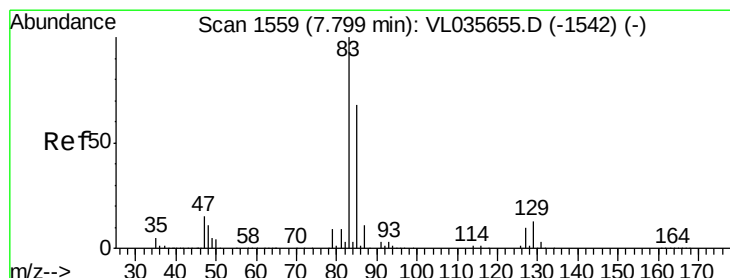
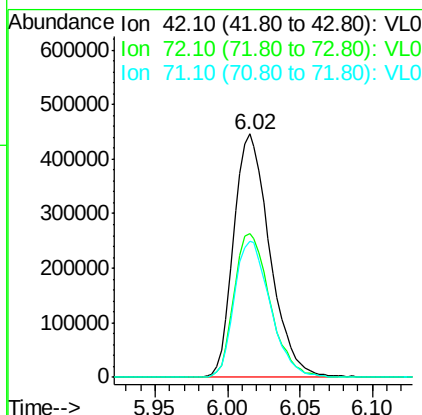
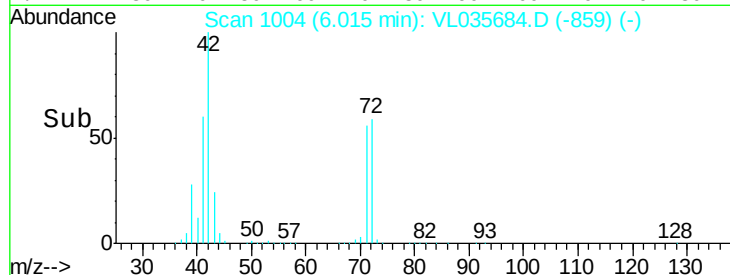
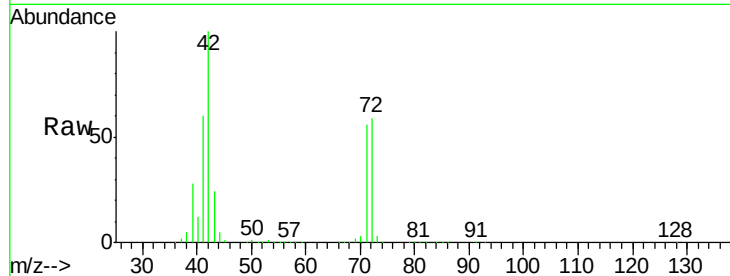
ClientSampleId :

VL0921ABS01

Tot Ion:	42	Resp:	772921
Ion	Ratio	Lower	Upper
42	100		
72	59.1	48.6	73.0
71	56.1	46.1	69.1

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#42

Bromodichloromethane

Concen: 12.096 ppbv

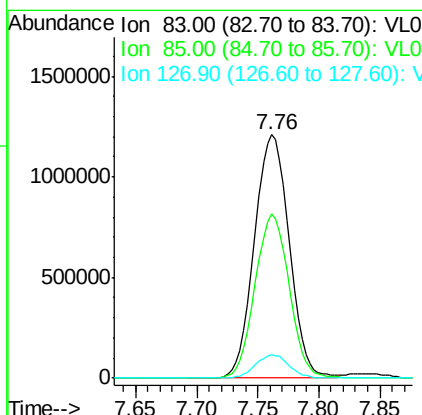
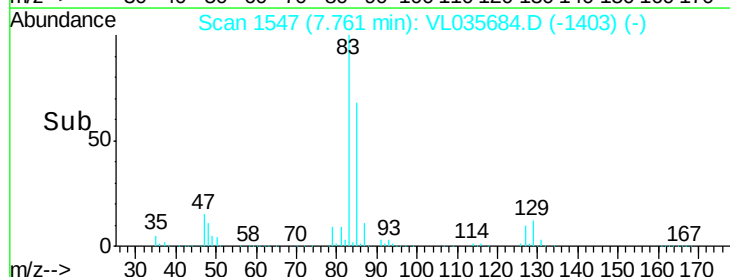
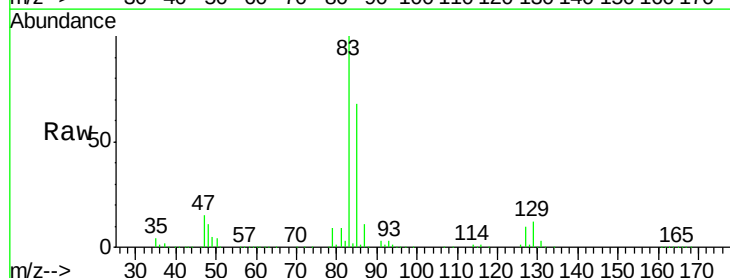
RT: 7.76 min Scan# 1547

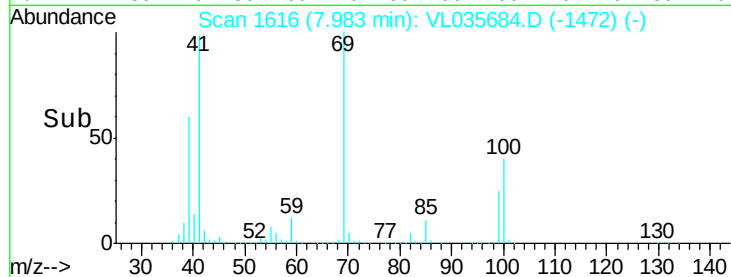
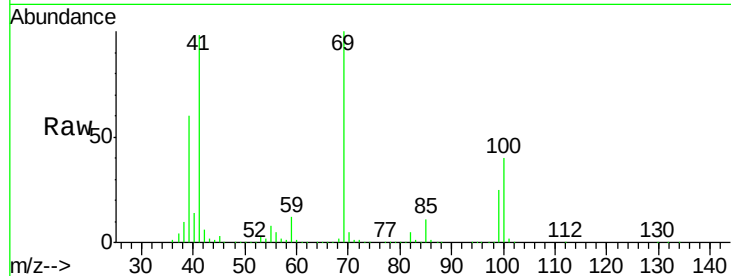
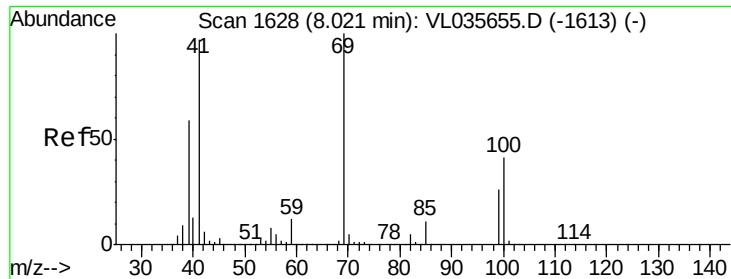
Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Tgt Ion:	83	Resp:	2394595
Ion	Ratio	Lower	Upper
83	100		
85	67.7	53.7	80.5
127	9.6	8.1	12.1





#43

Methyl Methacrylate

Concen: 12.220 ppbv

RT: 7.98 min Scan# 1616

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Tot Ion: 69 Resp: 1213215

Ion Ratio Lower Upper

69 100

41 98.7 76.6 114.8

100 39.3 33.8 50.6

Instrument :

MSVOA_L

ClientSampleId :

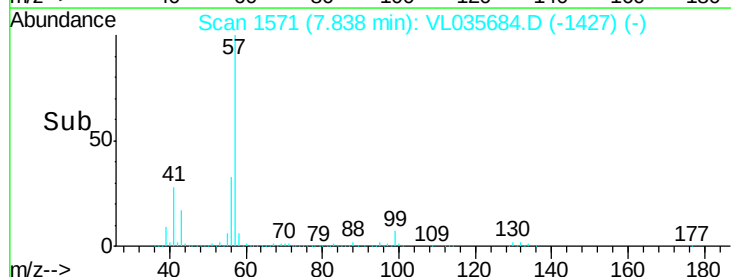
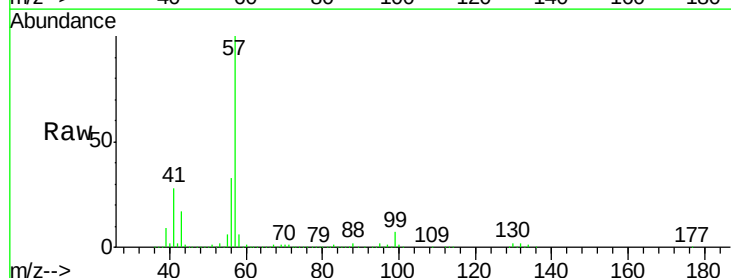
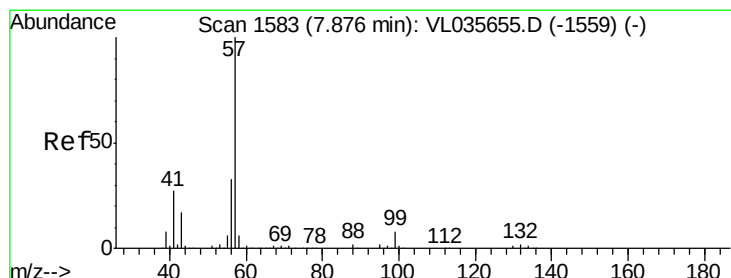
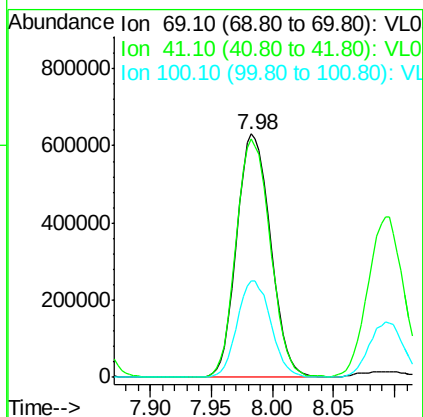
VL0921ABS01

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#44

2,2,4-Trimethylpentane

Concen: 11.341 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

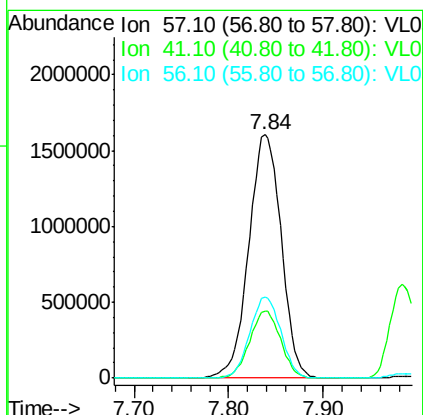
Tgt Ion: 57 Resp: 3831360

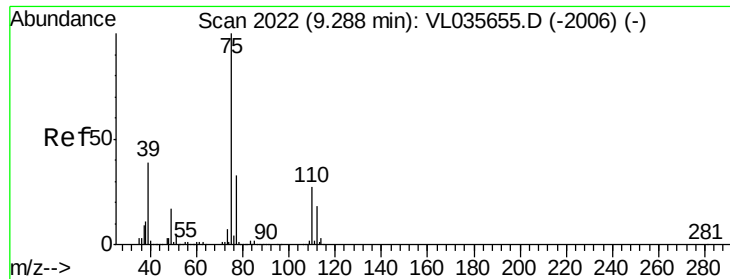
Ion Ratio Lower Upper

57 100

41 26.4 20.5 30.7

56 31.9 25.3 37.9





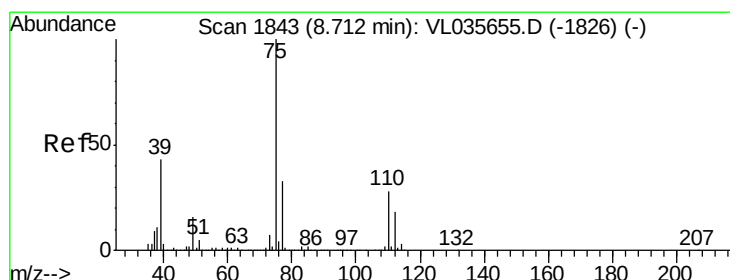
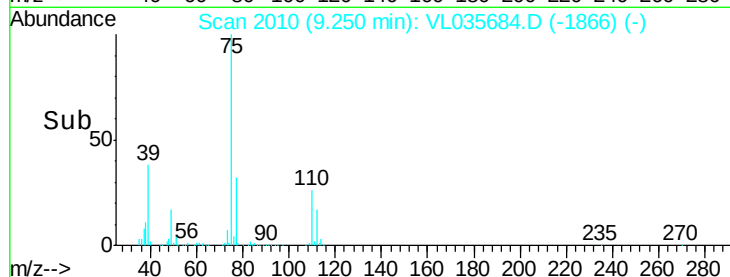
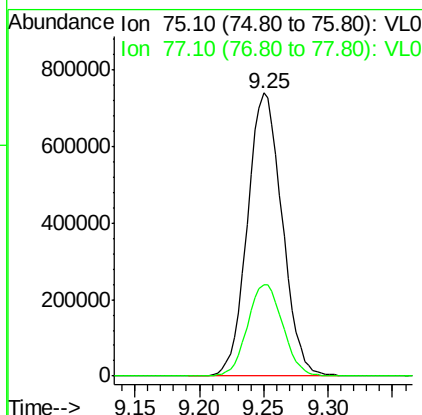
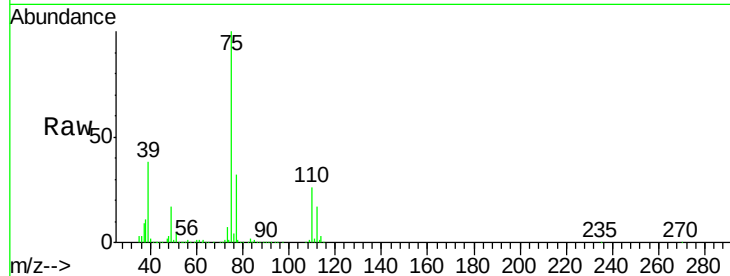
#45
 t-1,3-Dichloropropene
 Concen: 13.828 ppbv
 RT: 9.25 min Scan# 2010
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion: 75 Resp: 1390779
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.5 39.7

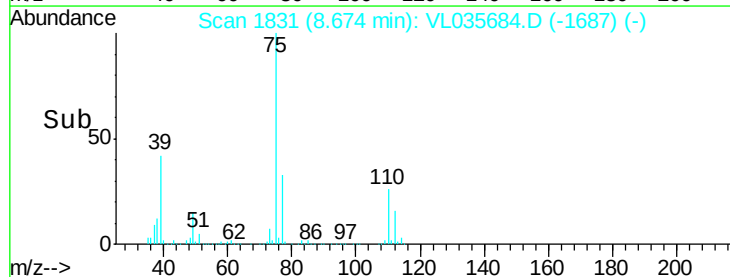
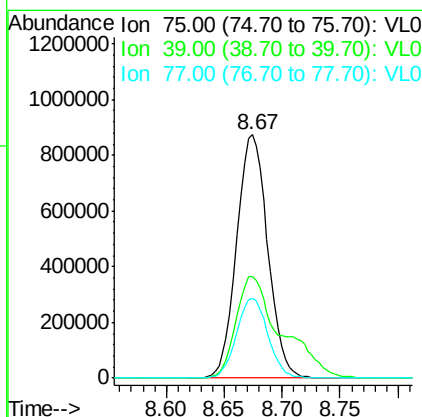
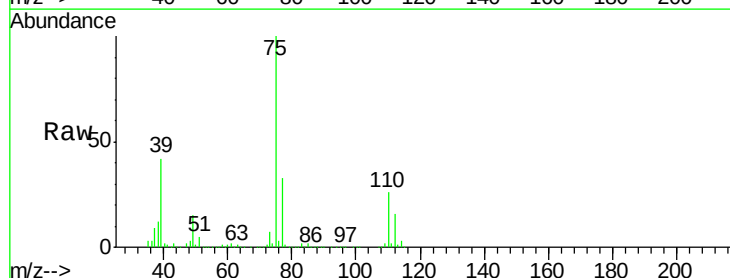
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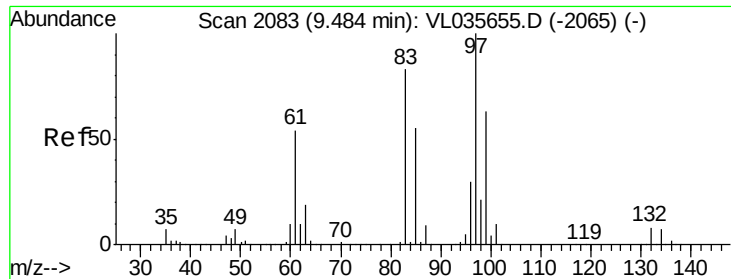
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 13.013 ppbv
 RT: 8.67 min Scan# 1831
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion: 75 Resp: 1625023
 Ion Ratio Lower Upper
 75 100
 39 41.8 33.7 50.5
 77 33.0 27.8 41.6





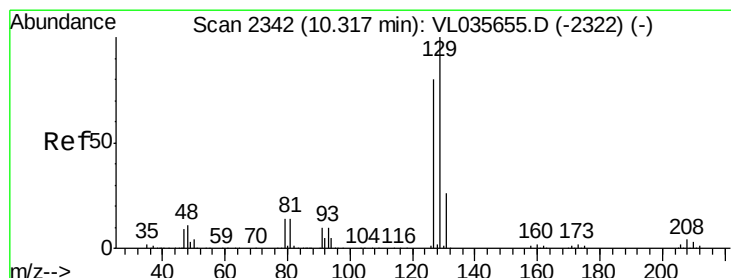
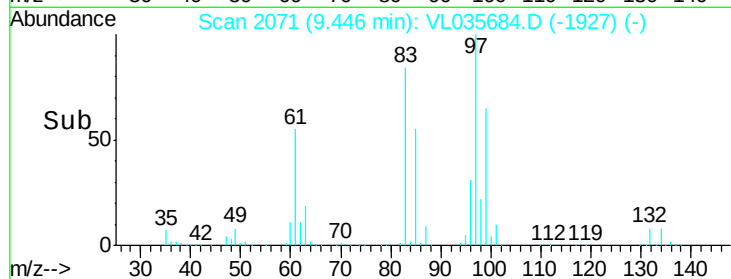
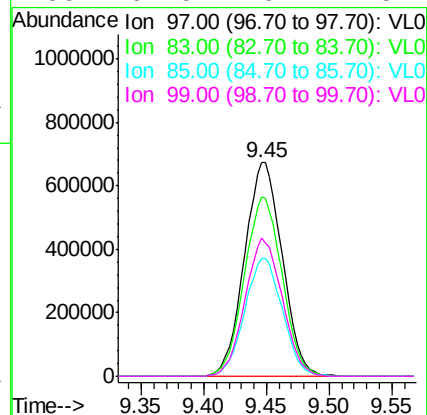
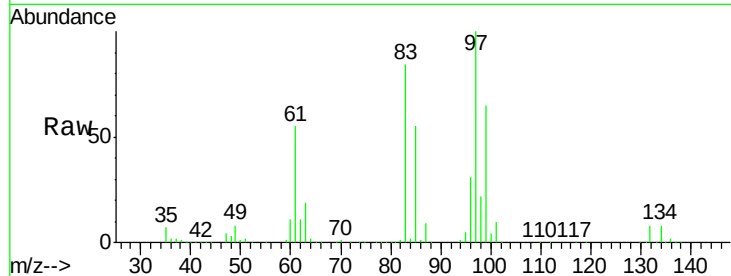
#47
 1,1,2-Trichloroethane
 Concen: 11.000 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.0	65.4	98.2	
85	55.4	43.7	65.5	
99	64.5	49.1	73.7	

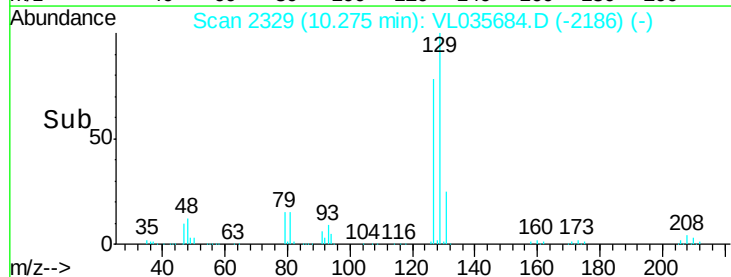
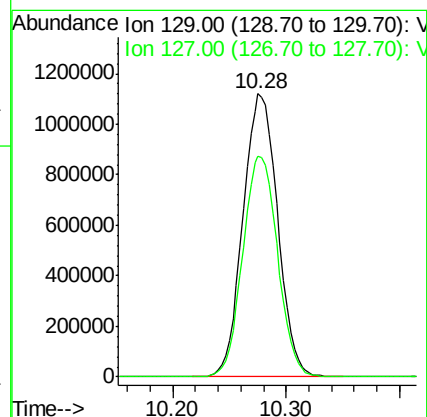
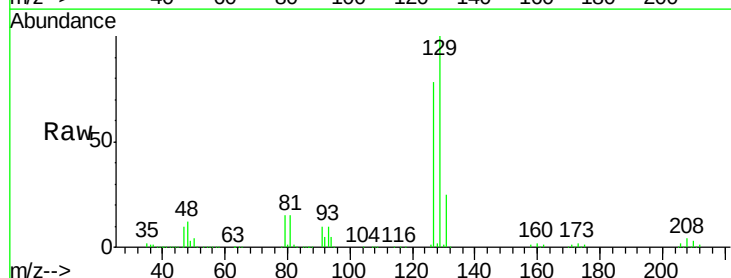
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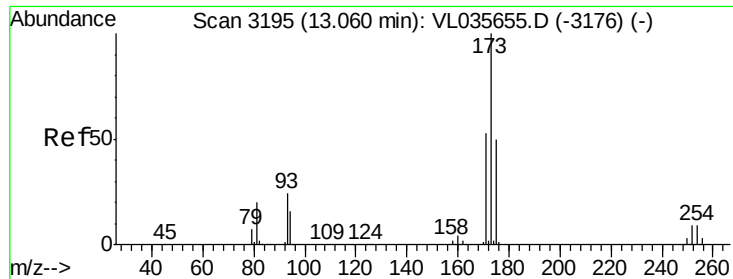
MMDadoda
 9/22/2020 2:05:56 PM



#48
 Dibromochloromethane
 Concen: 11.862 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.5	39.3	117.8	





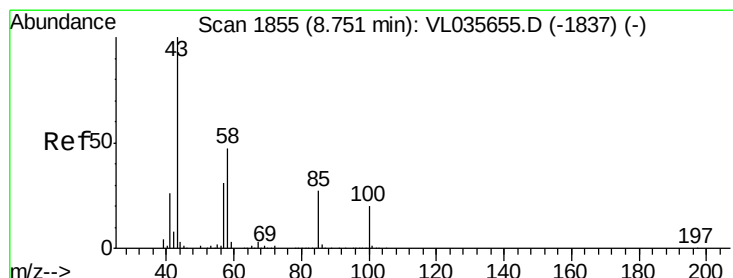
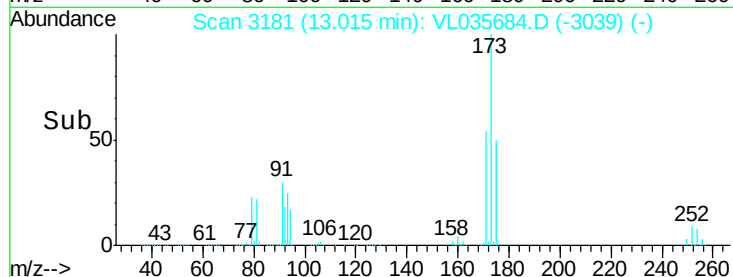
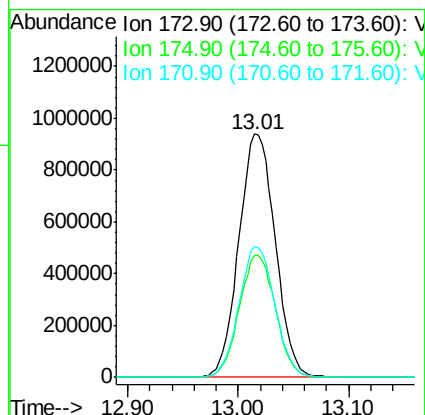
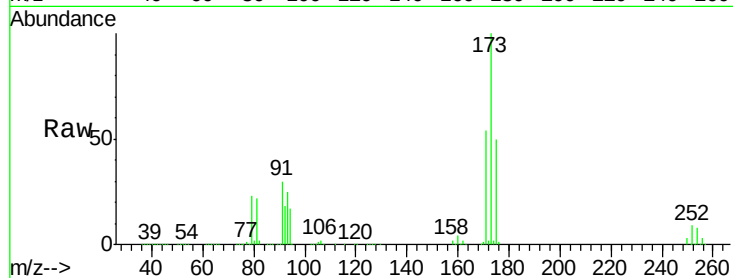
#49
Bromoform
Concen: 11.768 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

Tot Ion:173 Resp: 2148206
Ion Ratio Lower Upper
173 100
175 49.9 39.8 59.8
171 53.2 42.4 63.6

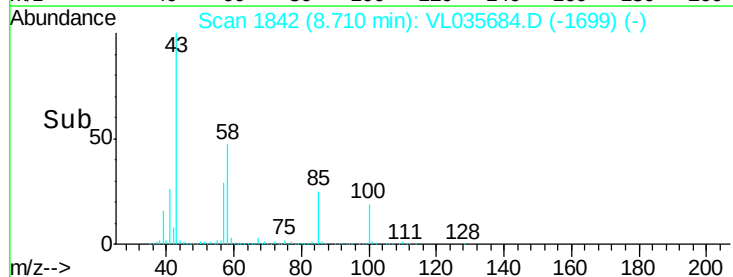
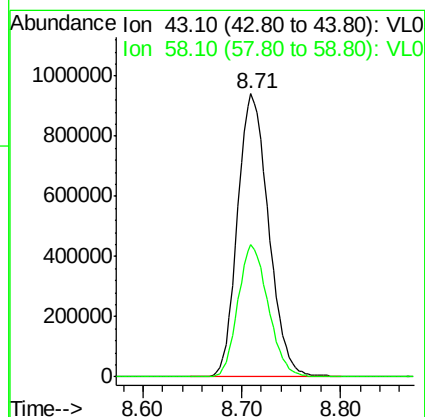
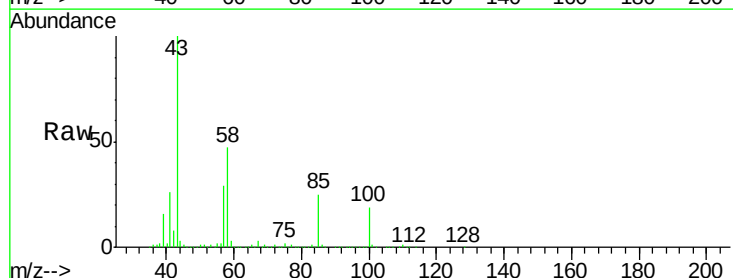
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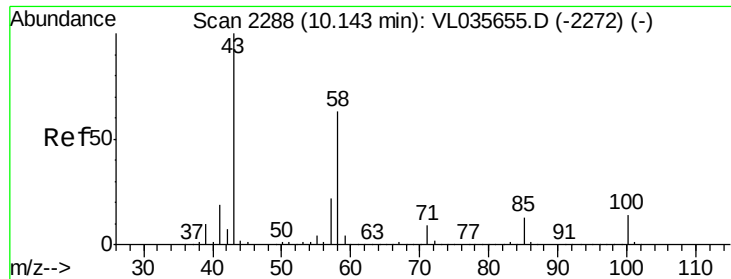
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#50
4-Methyl-2-Pentanone
Concen: 12.069 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion: 43 Resp: 2057180
Ion Ratio Lower Upper
43 100
58 45.6 37.4 56.0





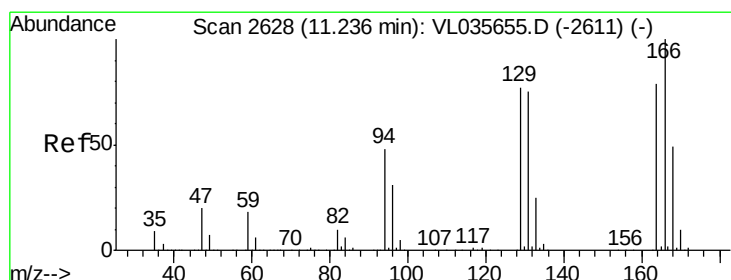
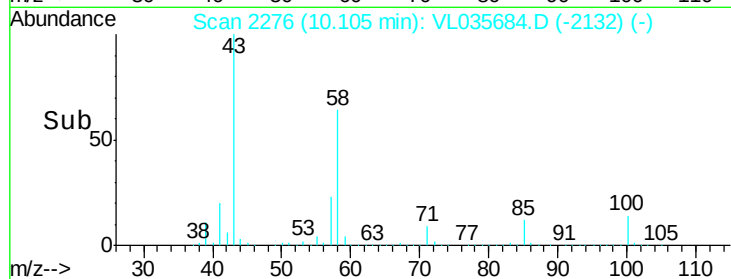
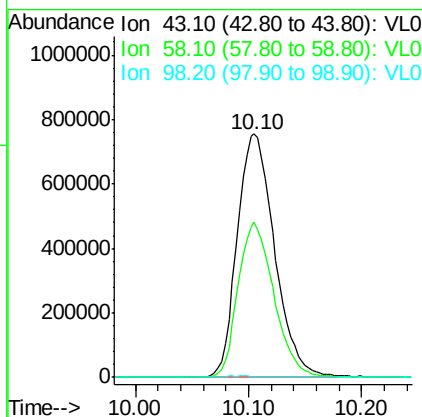
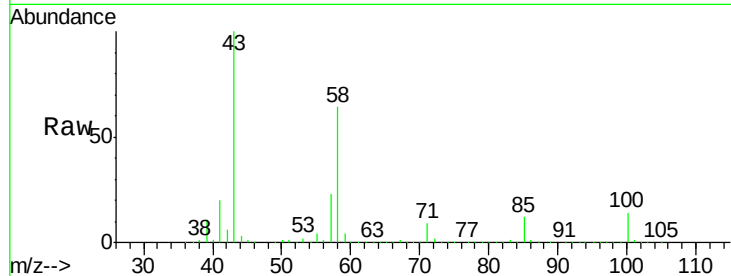
#51
2-Hexanone
Concen: 12.382 ppbv
RT: 10.10 min Scan# 2276
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

Tot Ion: 43 Resp: 1731312
Ion Ratio Lower Upper
43 100
58 61.4 50.2 75.4
98 0.8 0.4 0.6#

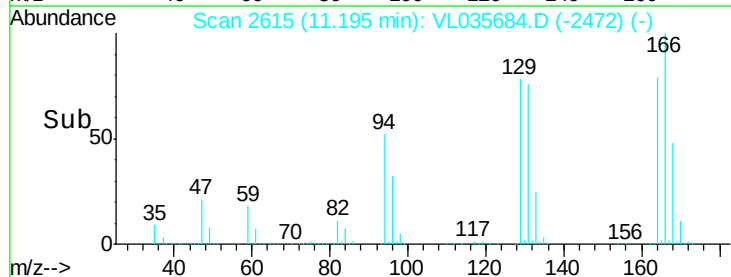
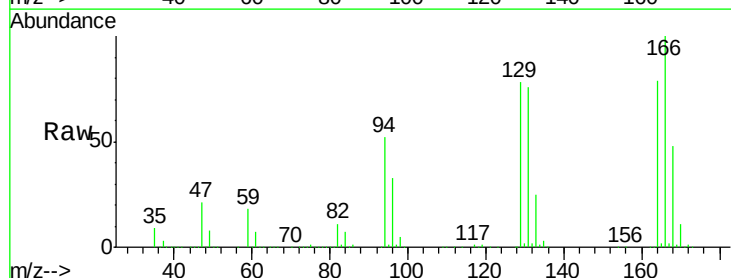
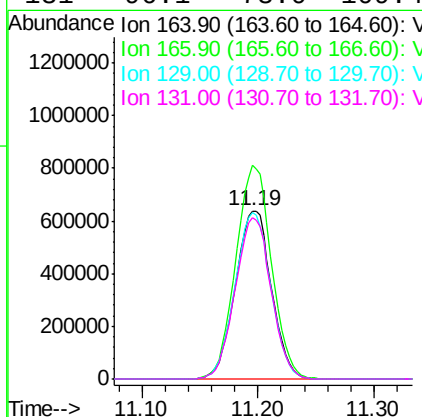
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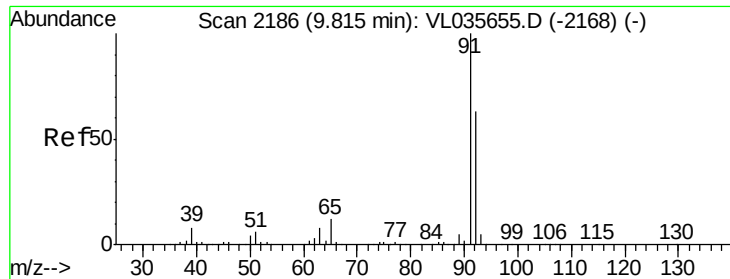
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#52
Tetrachloroethene
Concen: 9.160 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion: 164 Resp: 1373951
Ion Ratio Lower Upper
164 100
166 127.2 100.9 151.3
129 99.0 75.3 112.9
131 96.1 73.0 109.4





#53

Toluene

Concen: 11.185 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

Tot Ion: 91 Resp: 3611600

Ion Ratio Lower Upper

91 100

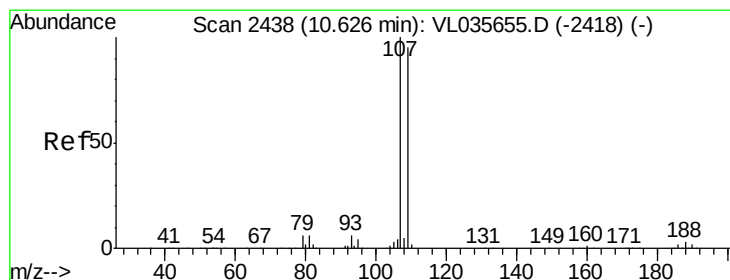
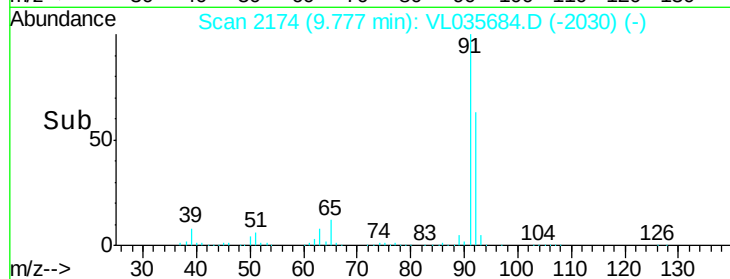
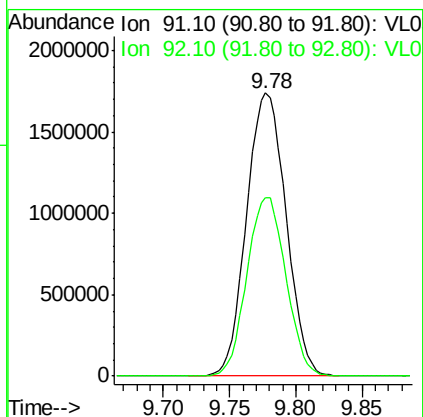
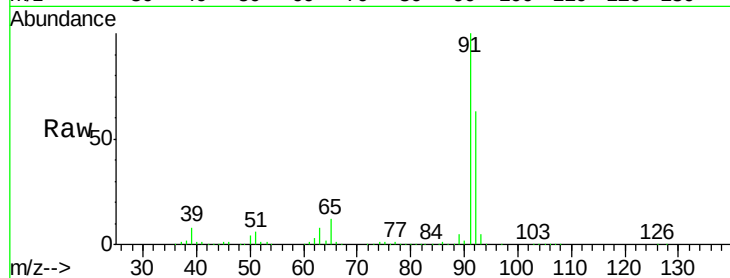
92 62.4 49.8 74.8

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#54

1,2-Dibromoethane

Concen: 11.036 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.04 min

Lab File: VL035684.D

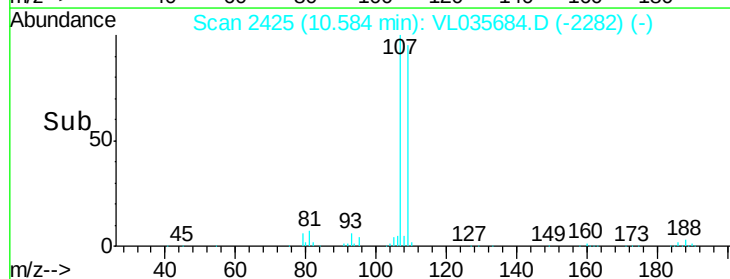
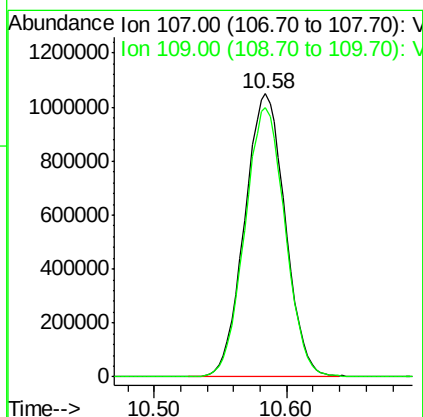
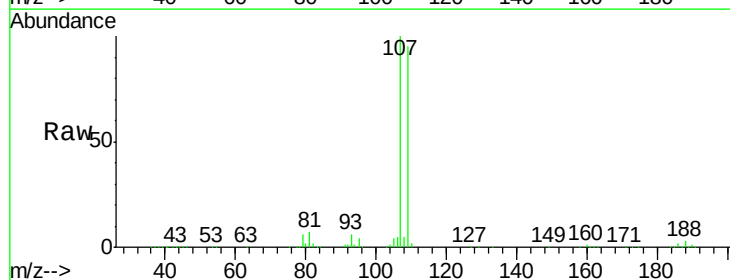
Acq: 21 Sep 2020 13:19

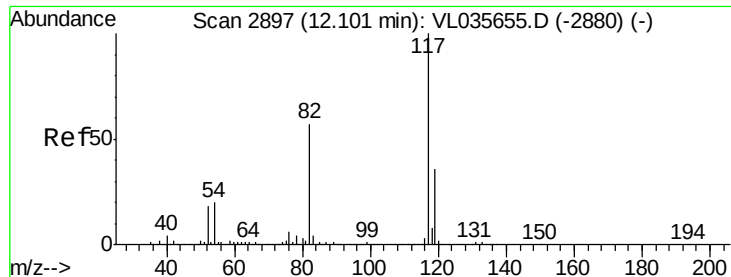
Tgt Ion: 107 Resp: 2231761

Ion Ratio Lower Upper

107 100

109 95.2 77.8 116.8





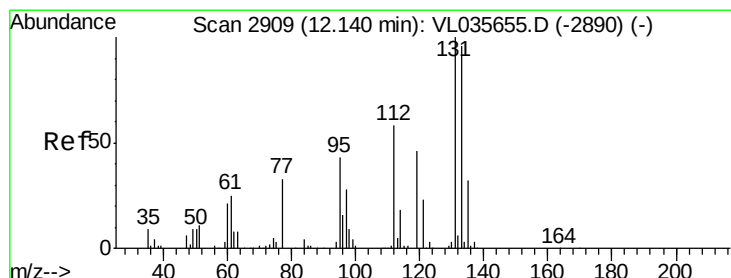
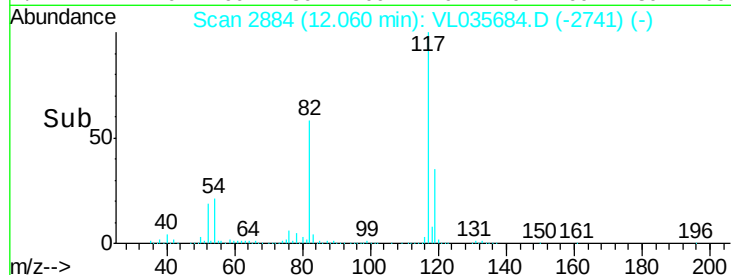
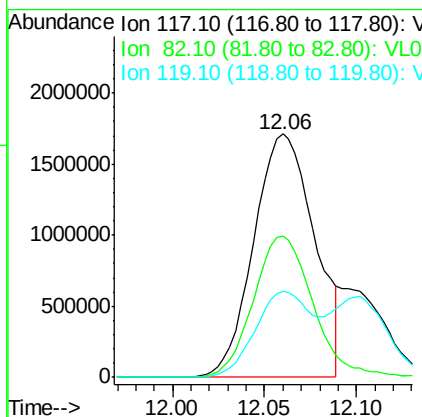
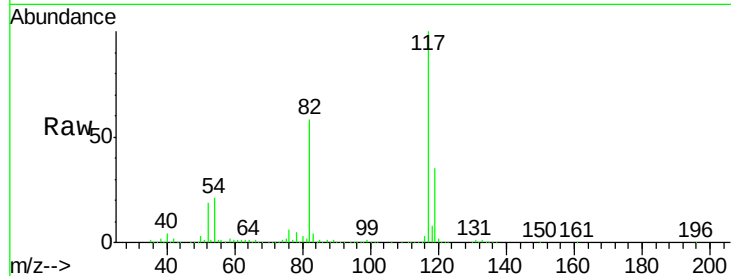
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2884
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

Tot Ion:117 Resp: 3945054
Ion Ratio Lower Upper
117 100
82 57.0 41.6 62.4
119 30.2 29.3 43.9

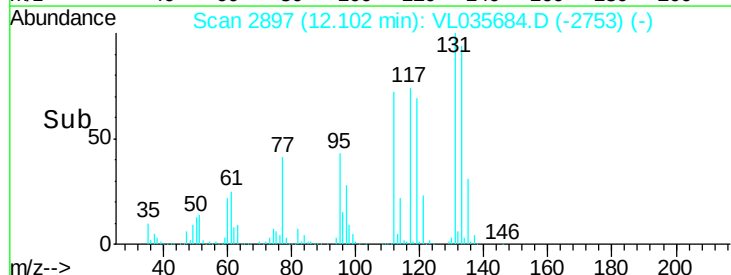
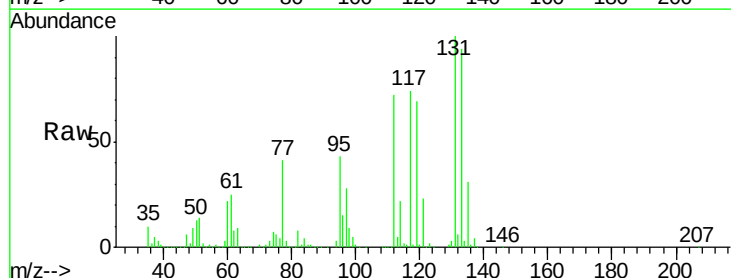
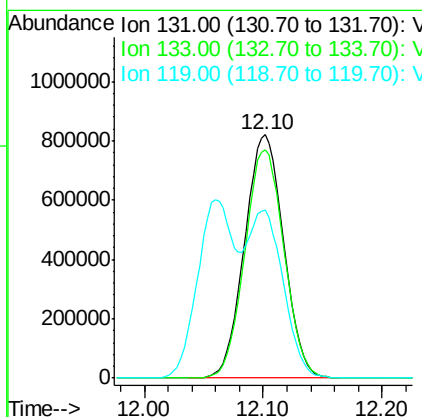
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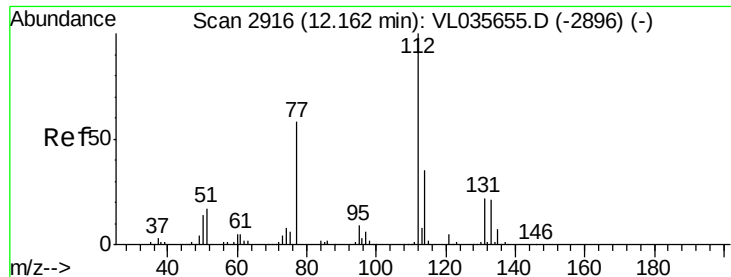
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#56
1,1,1,2-Tetrachloroethane
Concen: 11.597 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion:131 Resp: 1861660
Ion Ratio Lower Upper
131 100
133 94.6 76.6 115.0
119 62.4 51.6 77.4





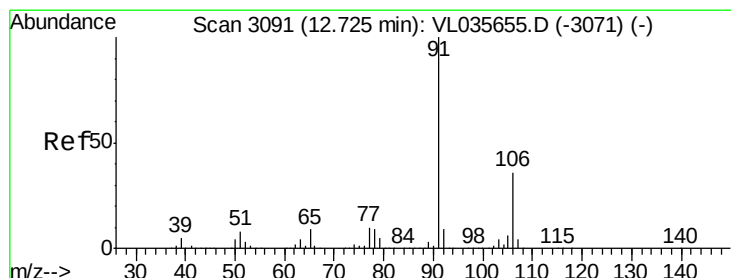
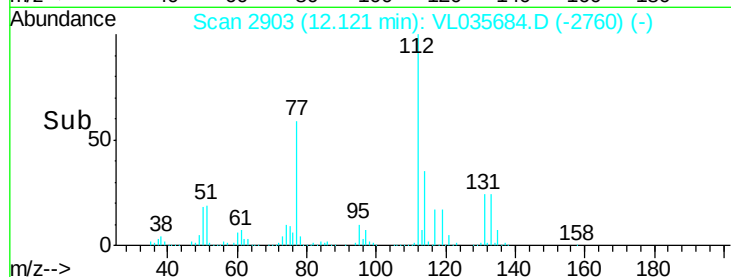
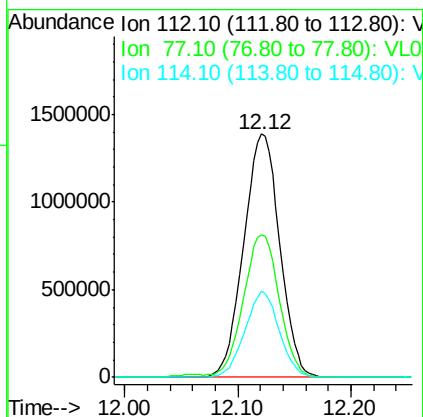
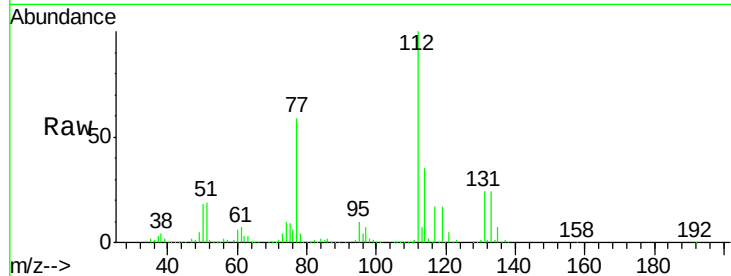
#57
Chlorobenzene
Concen: 10.595 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	58.6	44.2	66.4
114	35.1	31.6	38.6

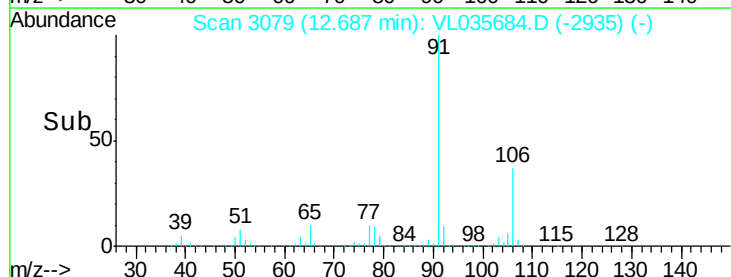
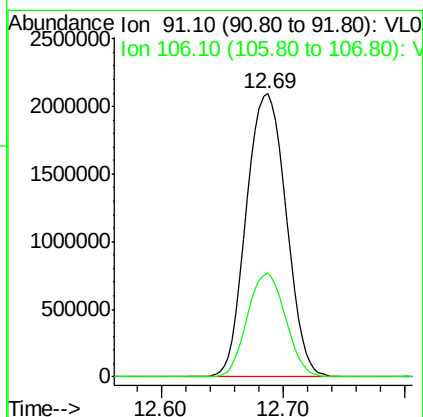
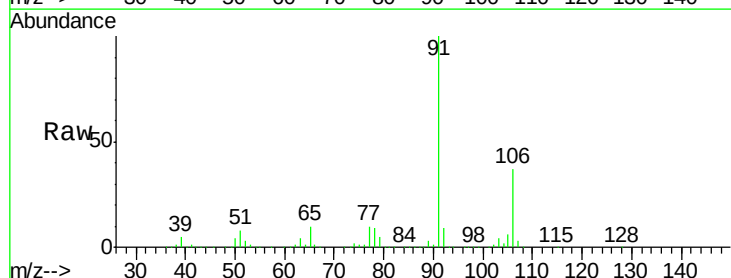
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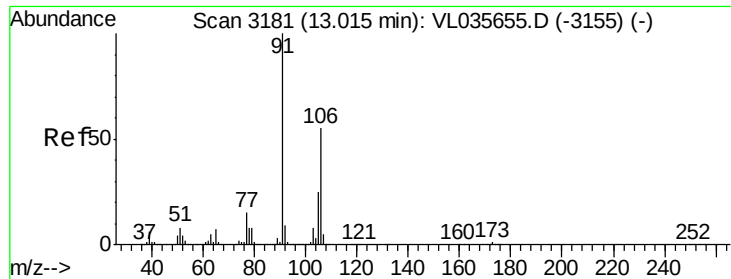
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#58
Ethyl Benzene
Concen: 11.646 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.8	30.3	45.5





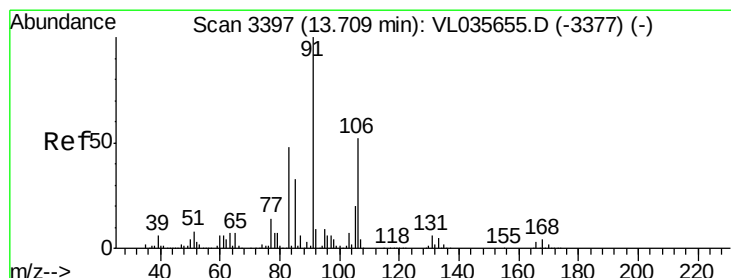
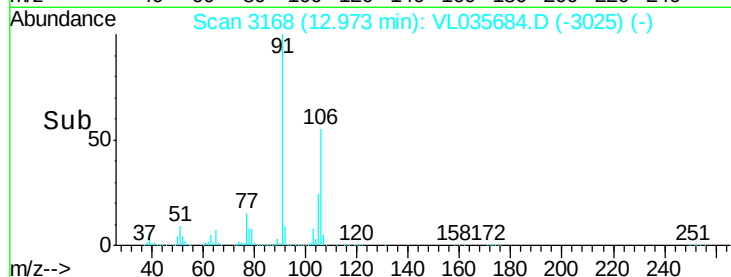
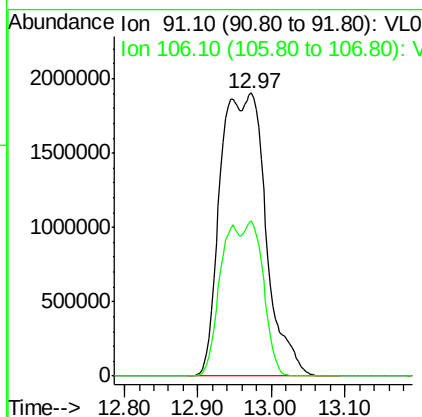
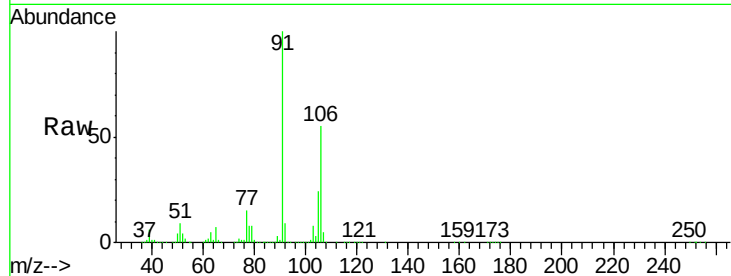
#59
m/p-Xylene
Concen: 24.056 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

Tot Ion: 91 Resp: 8177497
Ion Ratio Lower Upper
91 100
106 49.8 43.4 65.2

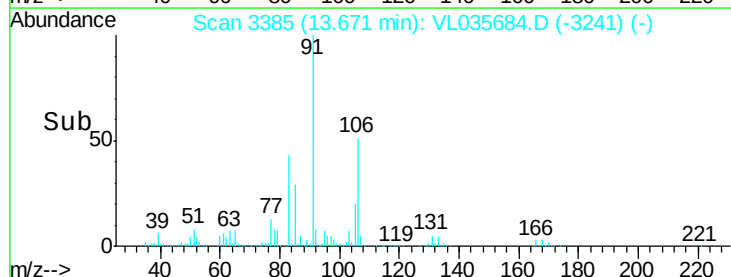
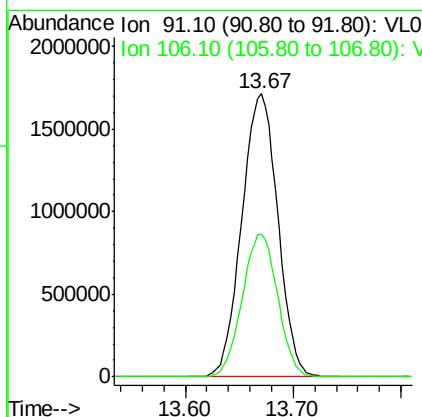
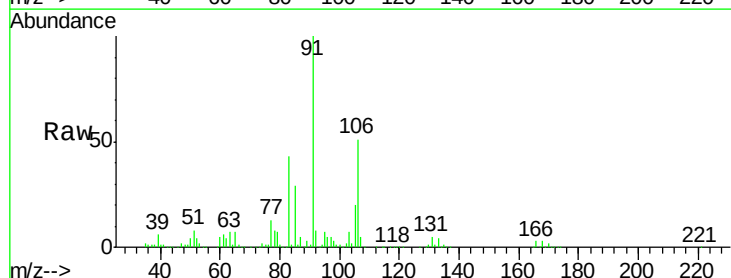
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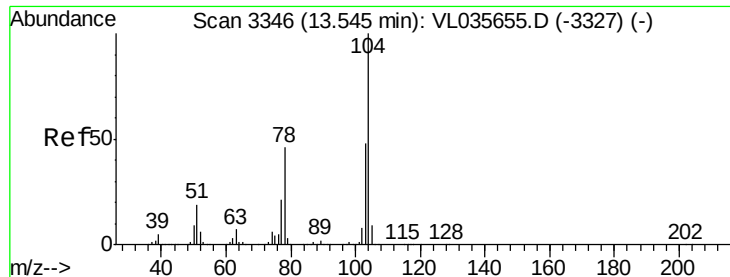
MMDadoda
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#60
o-Xylene
Concen: 11.592 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion: 91 Resp: 3968579
Ion Ratio Lower Upper
91 100
106 49.8 25.8 77.4





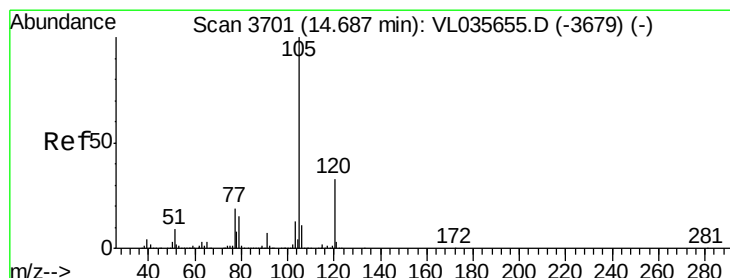
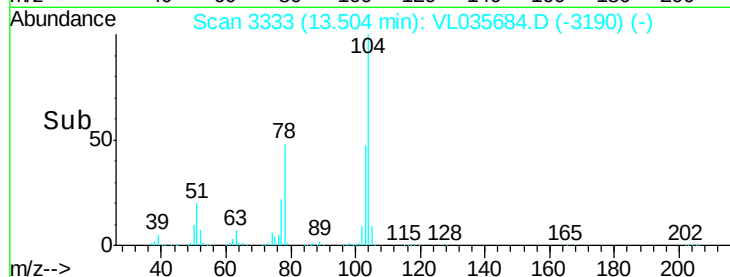
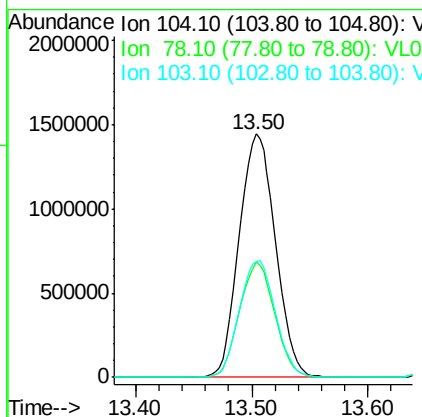
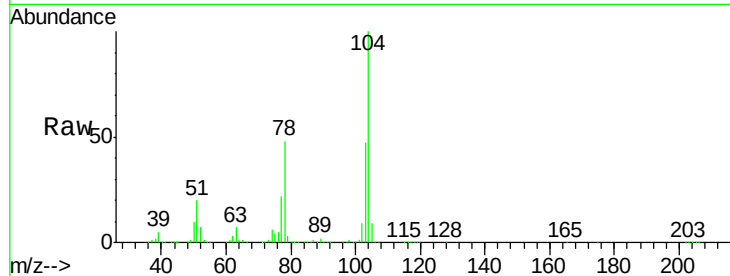
#61
Stvrene
Concen: 11.982 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.0	34.8	52.2
103	47.9	38.2	57.4

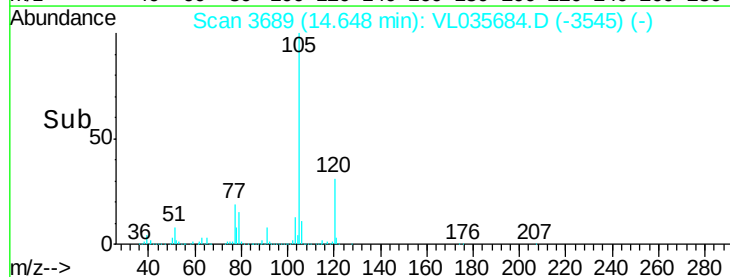
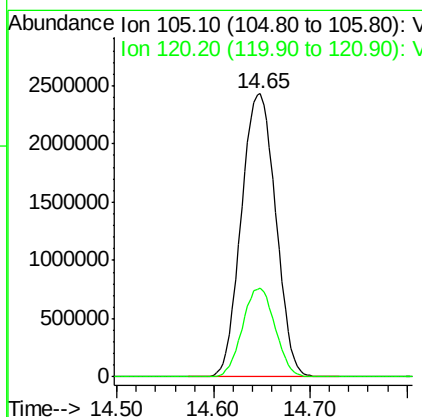
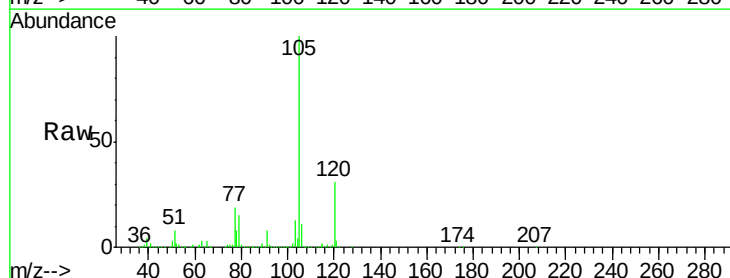
Manual Integrations
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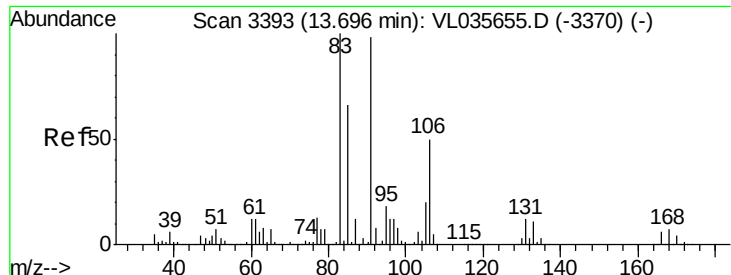
MMDadoda
9/22/2020 2:05:56 PM



#62
Isopropylbenzene
Concen: 10.941 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.7	25.0	37.4





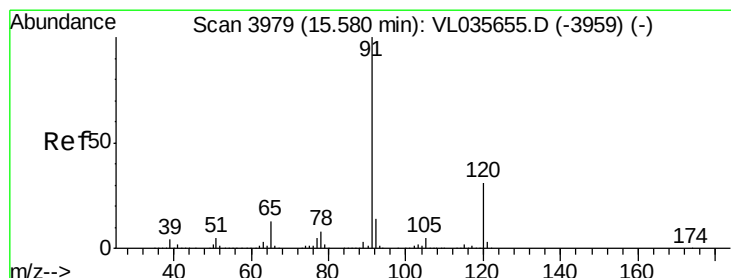
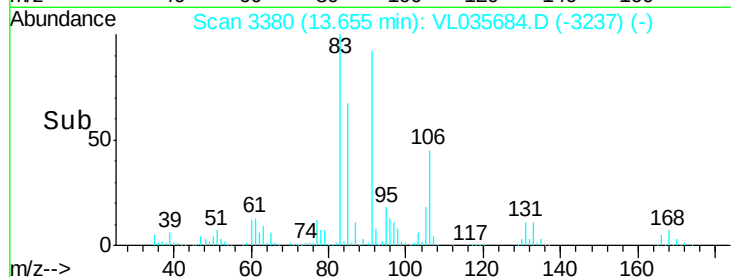
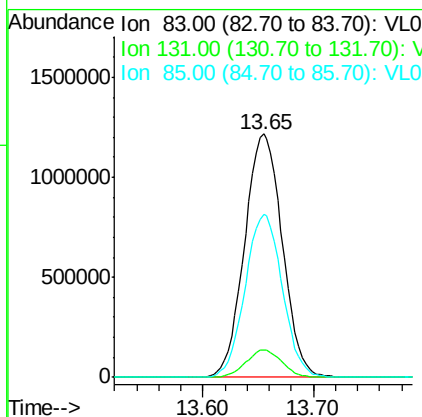
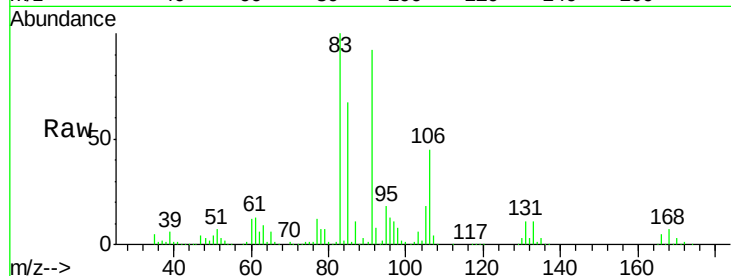
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.876 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion: 83 Resp: 2886933
 Ion Ratio Lower Upper
 83 100
 131 10.9 6.0 18.0
 85 66.5 33.4 100.2

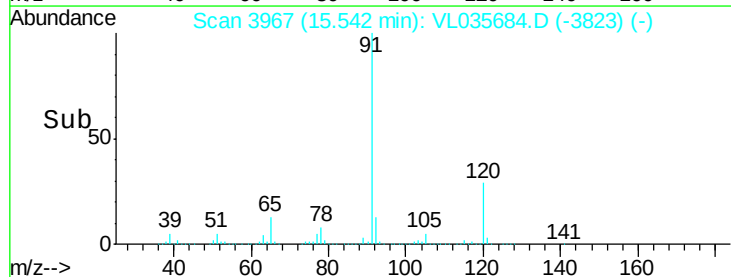
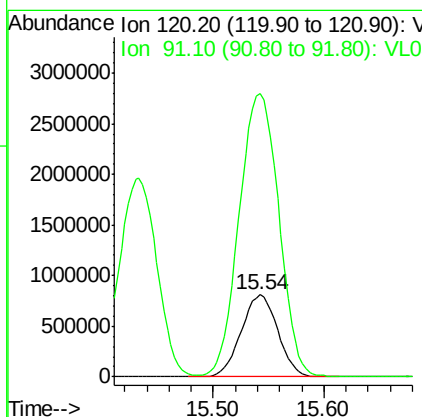
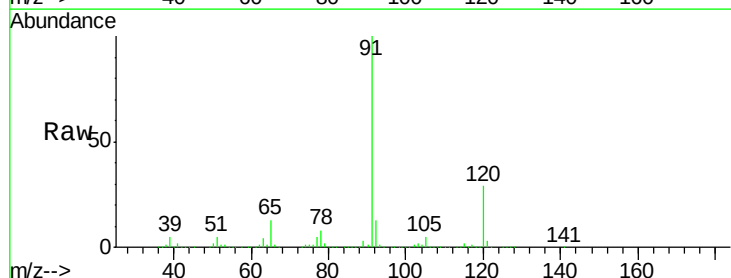
Manual Integrations
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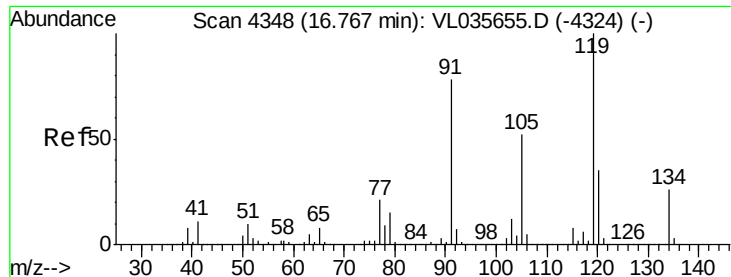
MMDadoda
 9/22/2020 2:05:56 PM



#64
 n-propylbenzene
 Concen: 11.086 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion:120 Resp: 1860525
 Ion Ratio Lower Upper
 120 100
 91 376.6 279.4 419.0





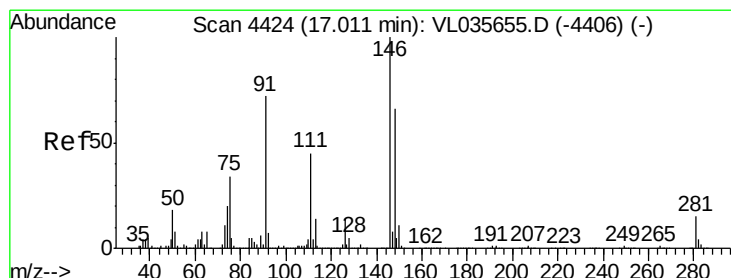
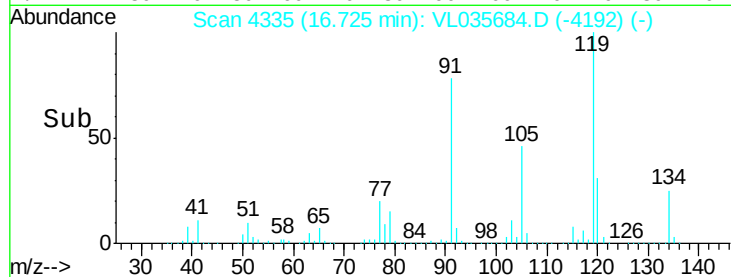
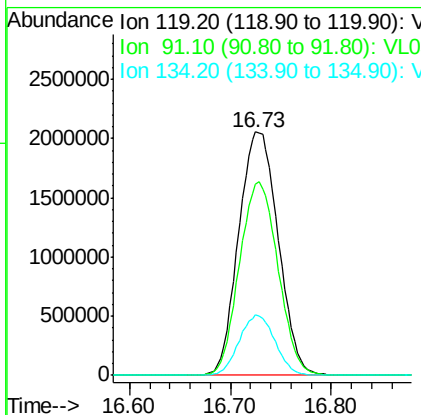
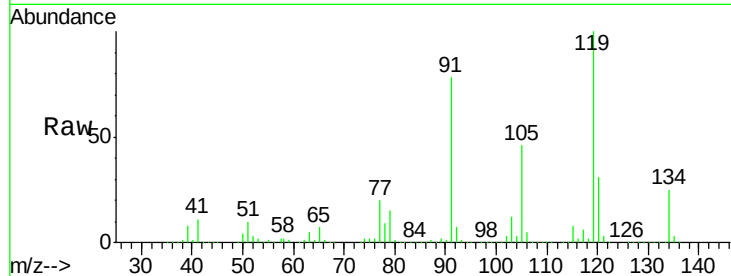
#65
 tert-Butylbenzene
 Concen: 10.942 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion:119 Resp: 5593786
 Ion Ratio Lower Upper
 119 100
 91 77.5 58.6 87.8
 134 22.5 18.9 28.3

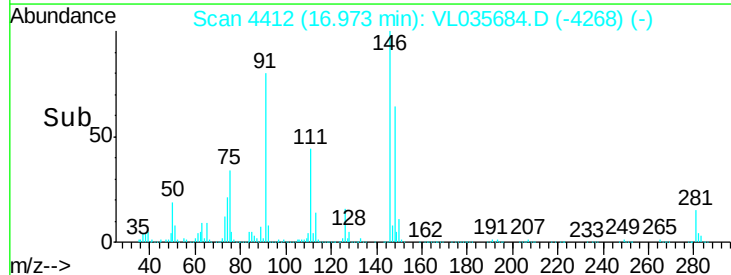
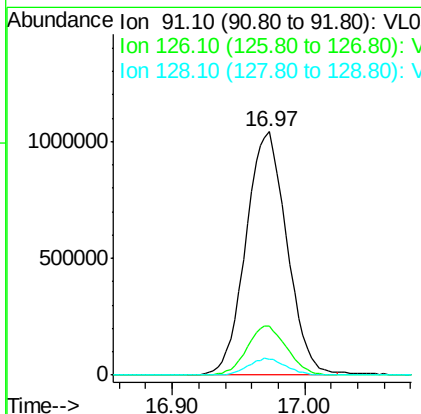
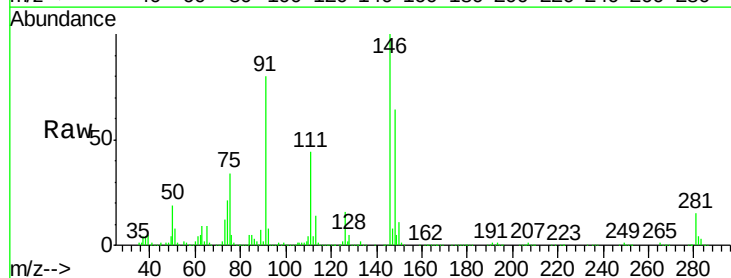
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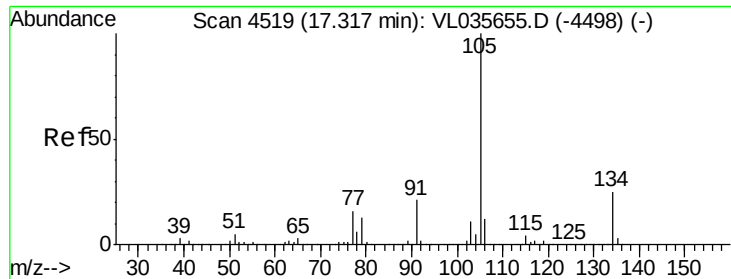
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#66
 Benzyl Chloride
 Concen: 17.560 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion: 91 Resp: 2231095
 Ion Ratio Lower Upper
 91 100
 126 19.7 17.2 25.8
 128 6.4 5.5 8.3





#67

sec-Butylbenzene

Concen: 11.065 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

Tot Ion:105 Resp: 7536619

Ion Ratio Lower Upper

105 100

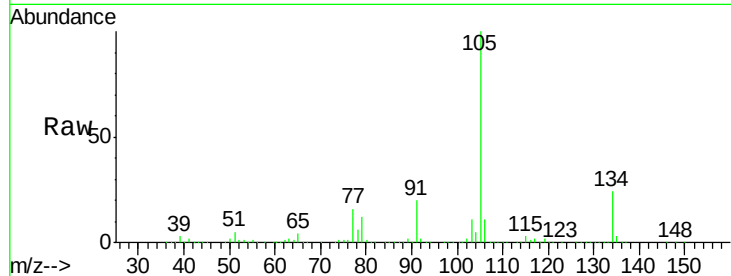
134 21.8 19.1 28.7

Manual Integrations

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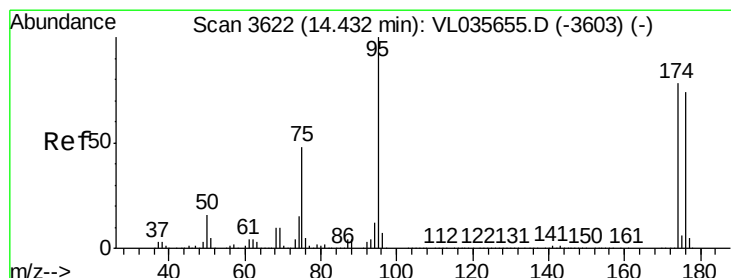
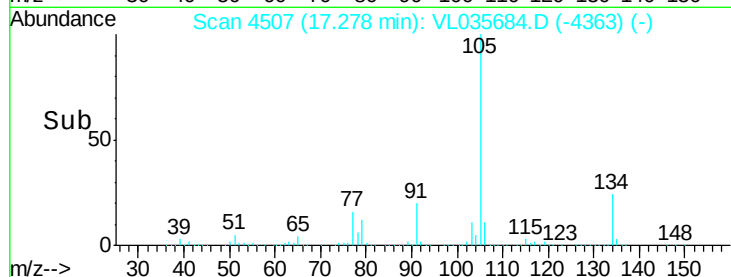
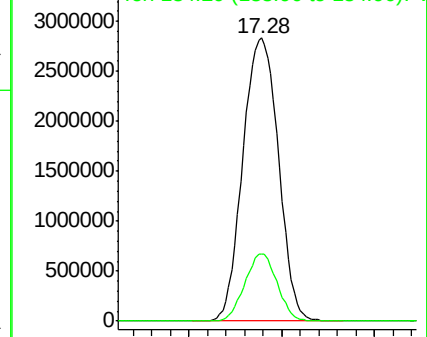
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.349 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

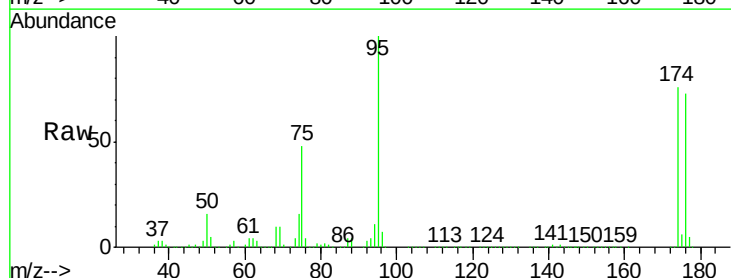
Tgt Ion: 95 Resp: 2899250

Ion Ratio Lower Upper

95 100

174 75.8 69.6 104.4

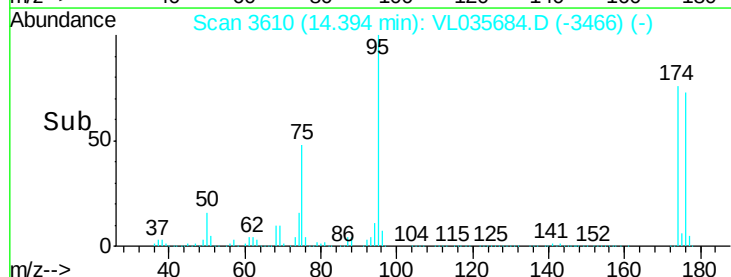
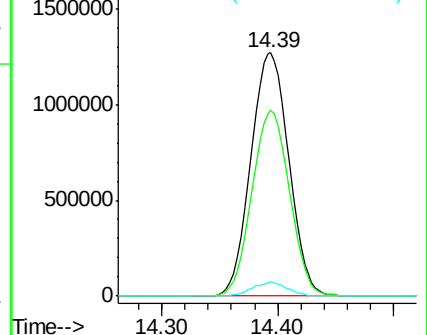
175 5.4 5.1 7.7

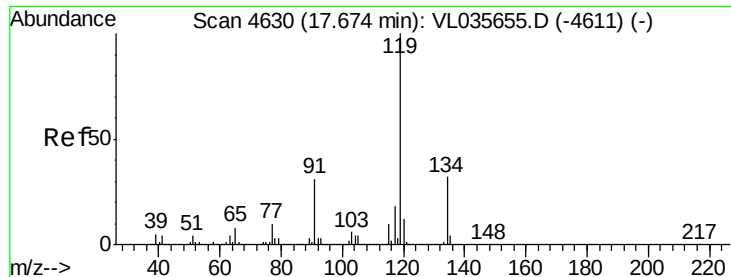


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





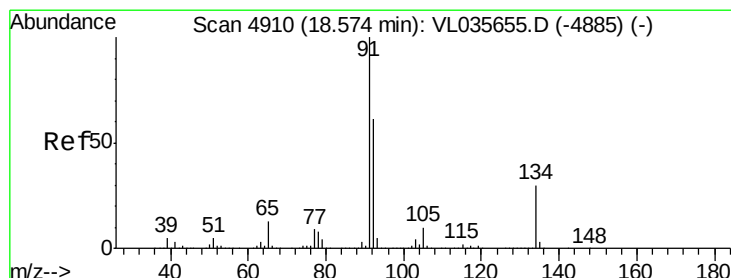
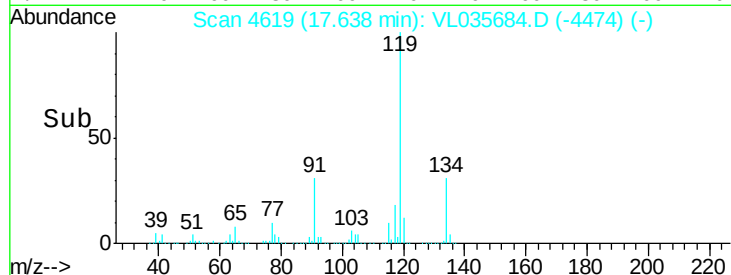
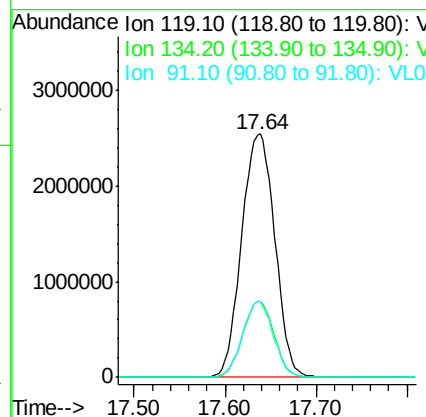
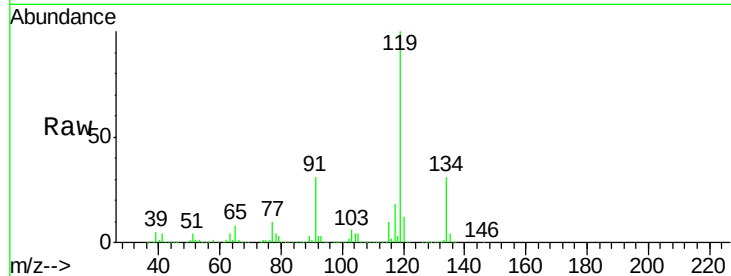
#69
 p-Isopropyltoluene
 Concen: 10.779 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion: 119 Resp: 6440006
 Ion Ratio Lower Upper
 119 100
 134 29.4 25.0 37.4
 91 29.1 22.3 33.5

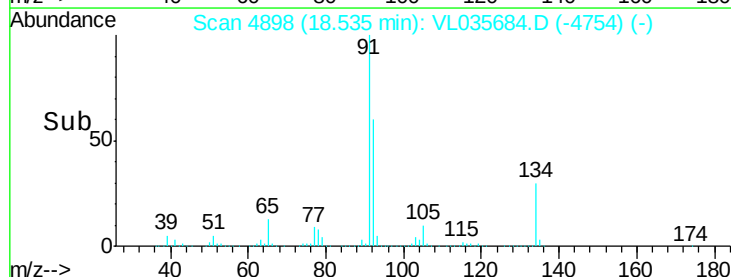
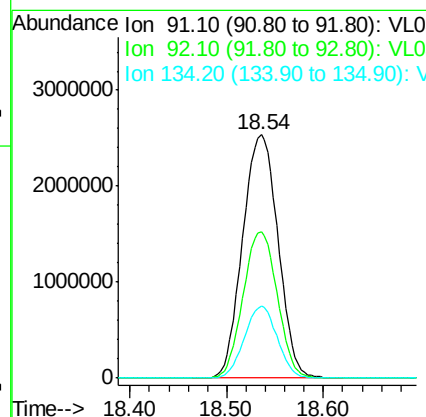
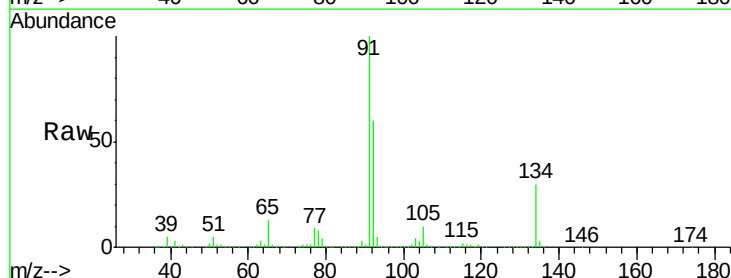
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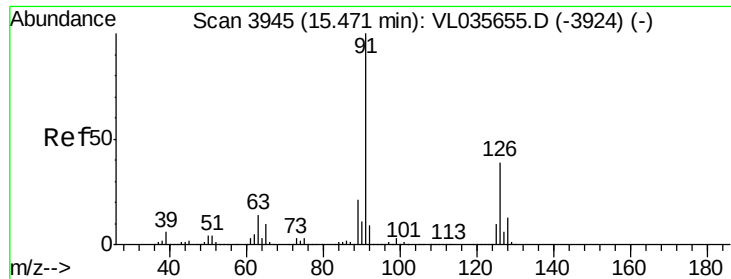
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#70
 n-Butylbenzene
 Concen: 11.226 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion: 91 Resp: 6460570
 Ion Ratio Lower Upper
 91 100
 92 58.1 47.3 70.9
 134 27.4 24.6 37.0





#71

2-Chlorotoluene

Concen: 11.564 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

Tot Ion: 91 Resp: 4631414

Ion Ratio Lower Upper

91 100

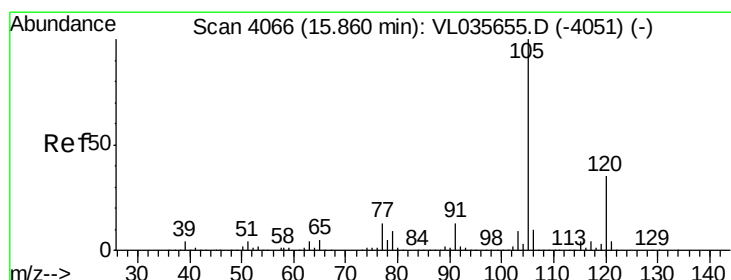
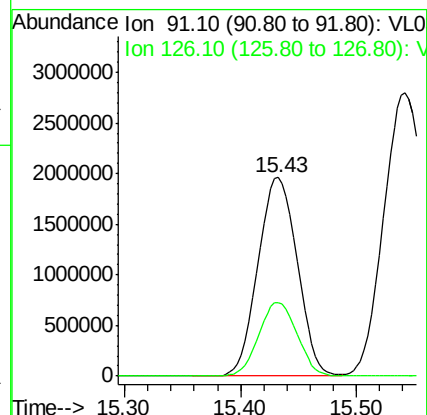
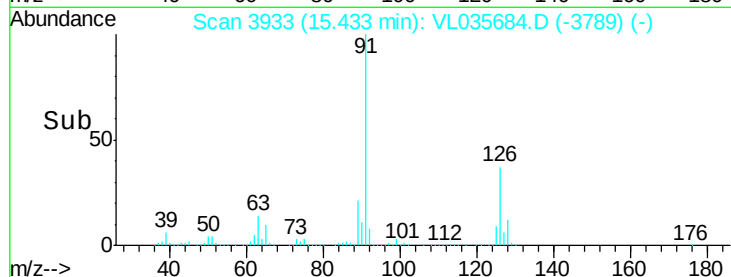
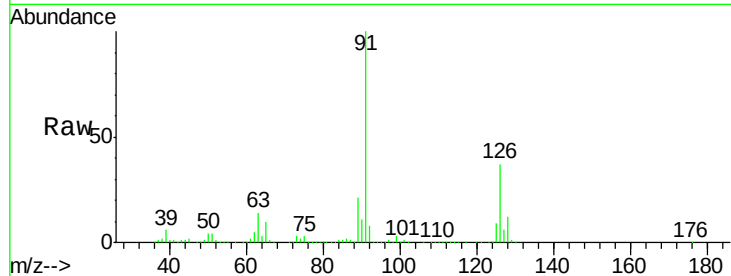
126 36.2 15.6 62.6

Manual Integrations

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#72

4-Ethyltoluene

Concen: 11.432 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Tgt Ion: 105 Resp: 4975818

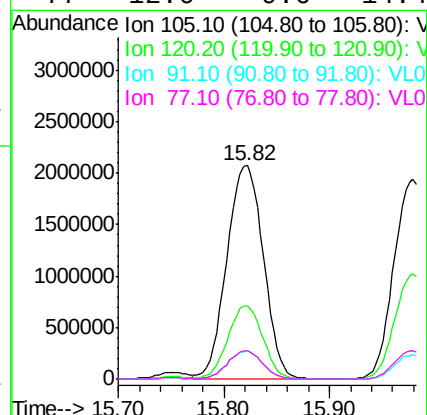
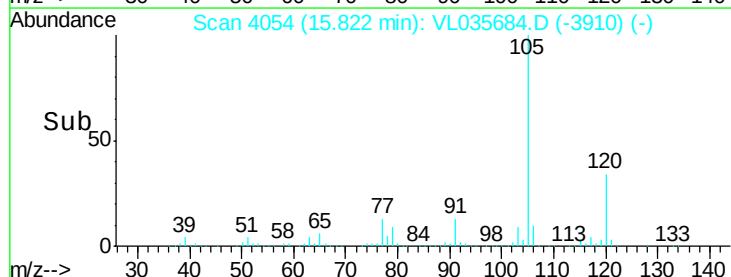
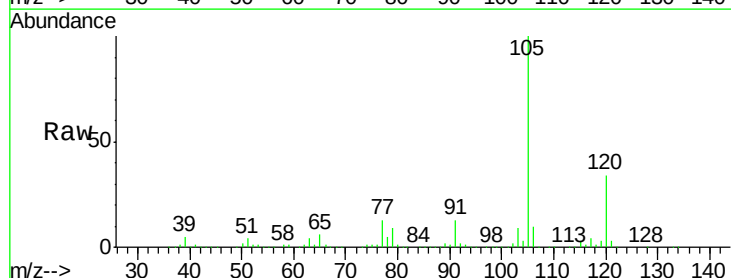
Ion Ratio Lower Upper

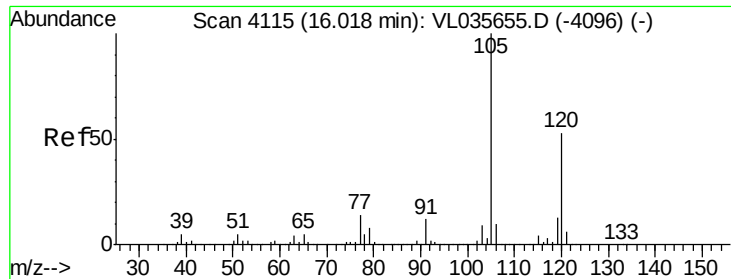
105 100

120 32.9 27.4 41.2

91 12.5 9.7 14.5

77 12.6 9.6 14.4





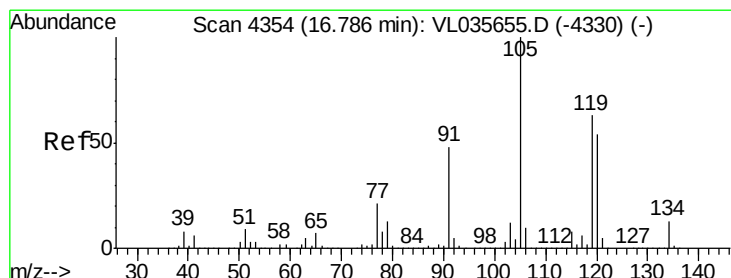
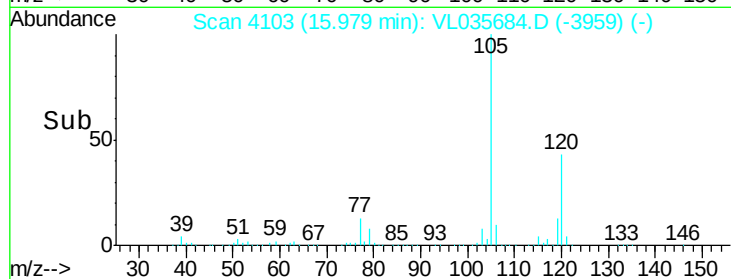
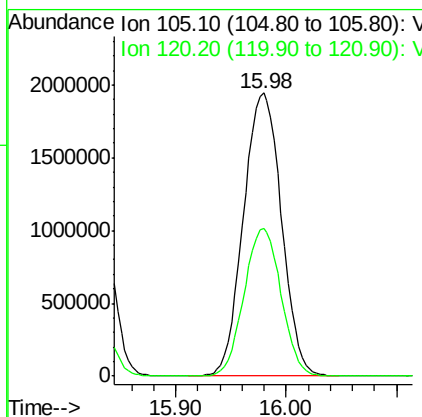
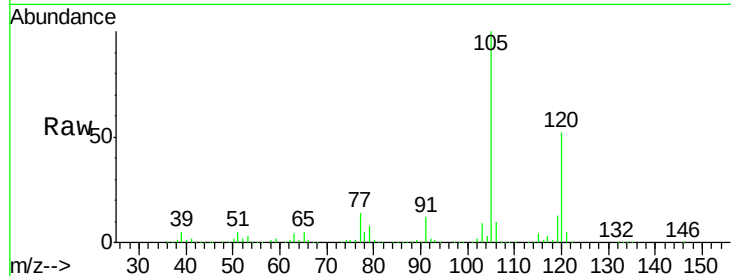
#73
 1,3,5-Trimethylbenzene
 Concen: 11.512 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion:105 Resp: 4634336
 Ion Ratio Lower Upper
 105 100
 120 52.4 44.2 66.2

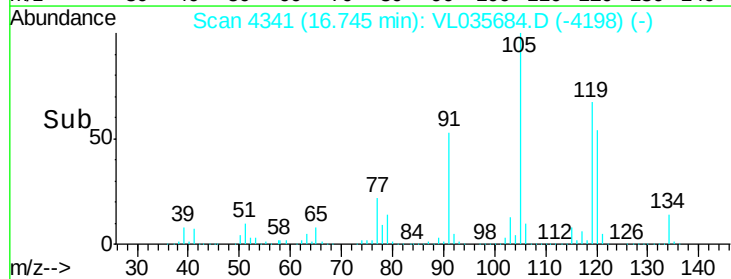
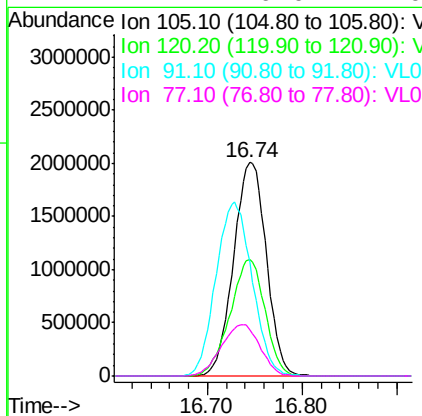
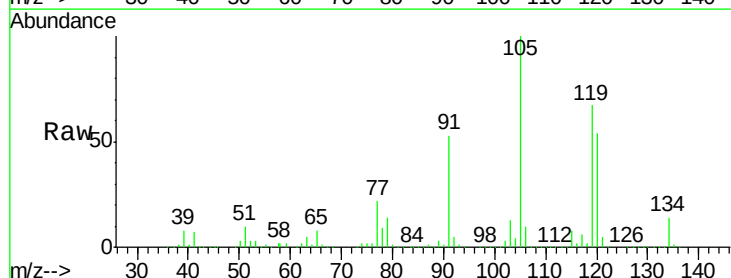
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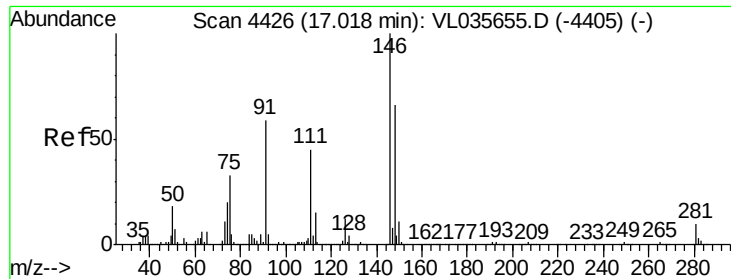
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.943 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion:105 Resp: 4837791
 Ion Ratio Lower Upper
 105 100
 120 54.4 44.4 66.6
 91 53.0 37.1 55.7
 77 21.7 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 9.917 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABS01

Tot Ion:146 Resp: 3247650

Ion Ratio Lower Upper

146 100

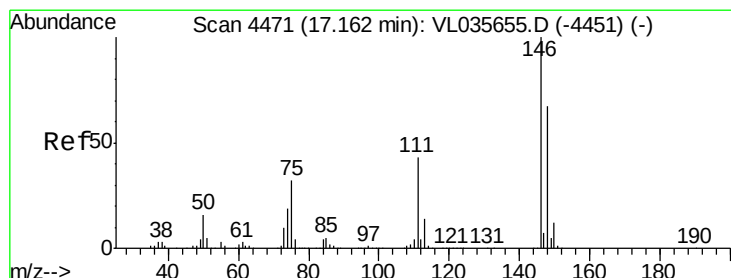
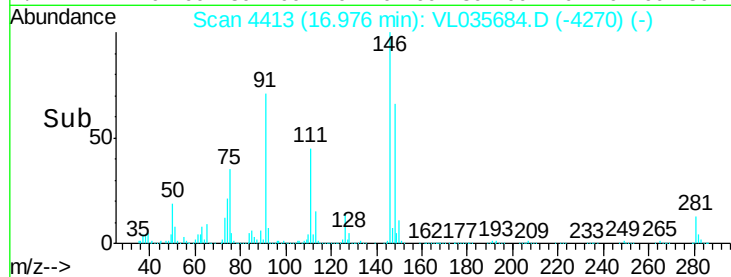
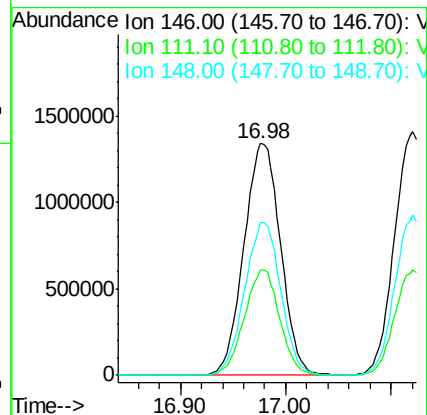
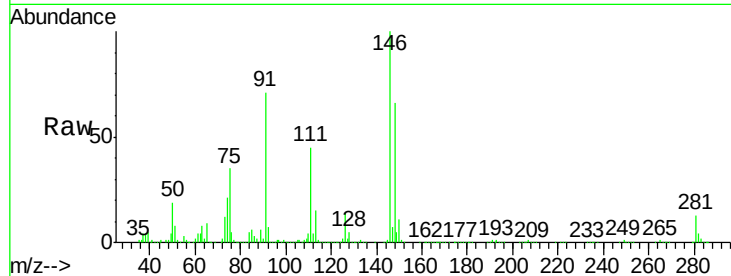
111 43.9 20.7 62.1

148 65.0 33.0 98.9

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#76

1,4-Dichlorobenzene

Concen: 10.180 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.04 min

Lab File: VL035684.D

Acq: 21 Sep 2020 13:19

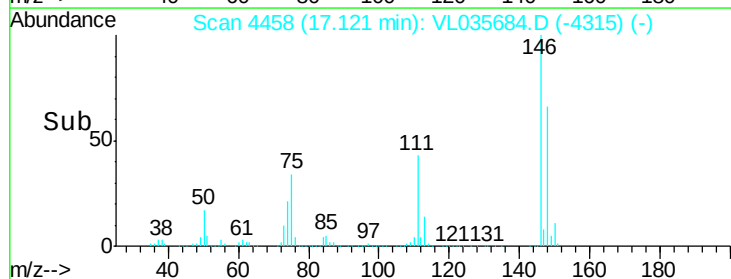
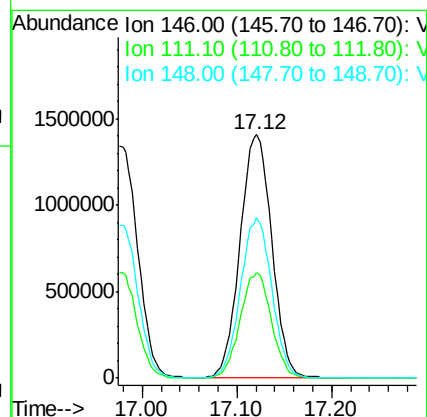
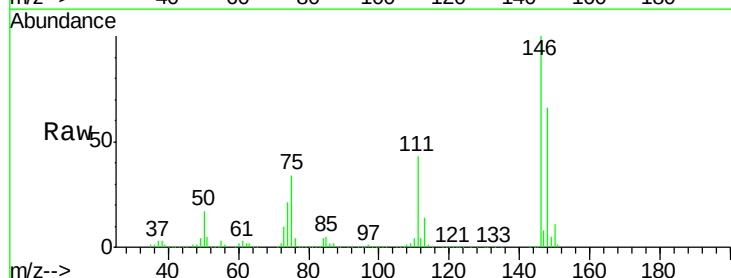
Tgt Ion:146 Resp: 3287656

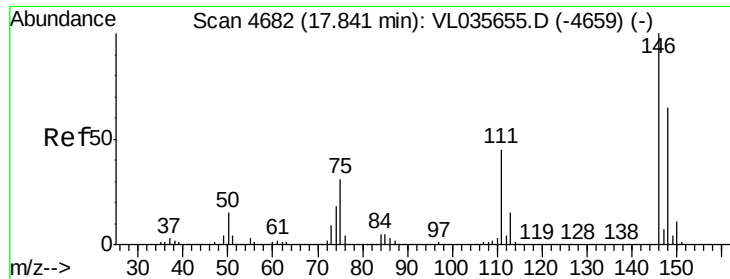
Ion Ratio Lower Upper

146 100

111 42.5 20.0 60.0

148 65.2 33.2 99.6





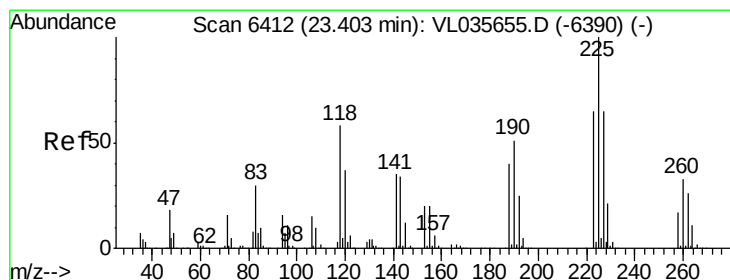
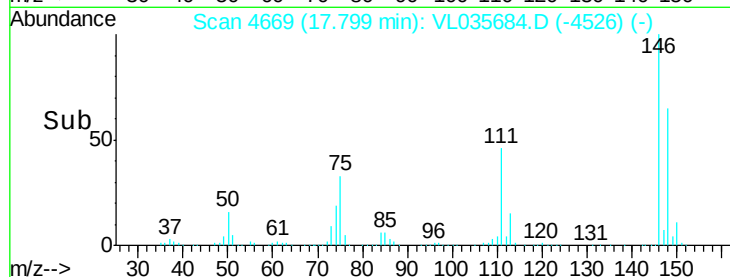
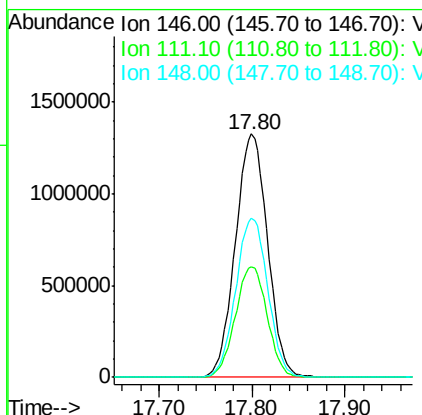
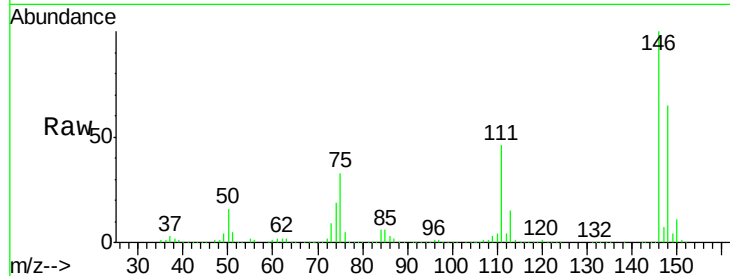
#77
 1,2-Dichlorobenzene
 Concen: 10.053 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.1	63.3
148	65.4	32.9	98.7

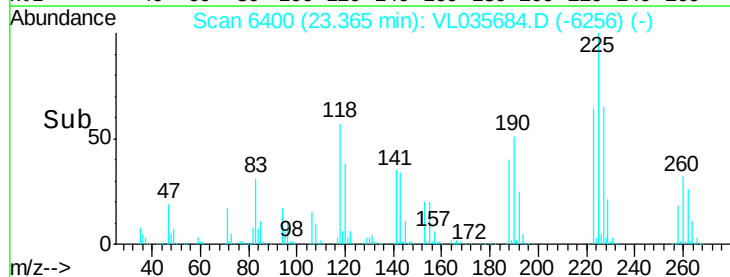
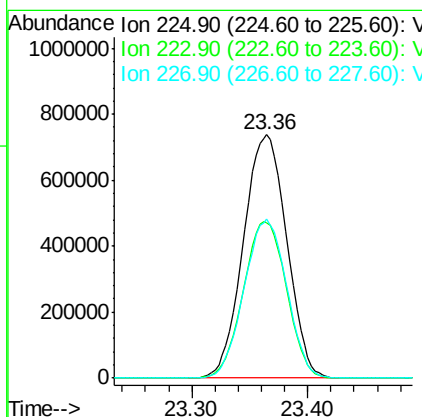
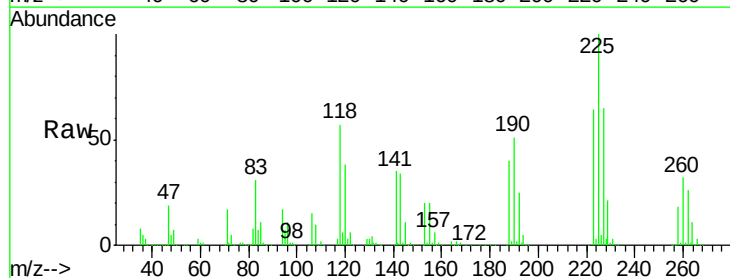
Manual Integrations
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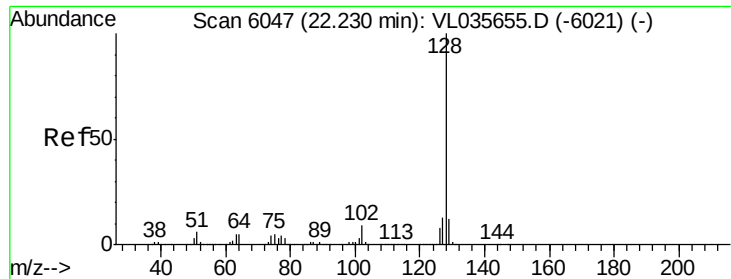
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.445 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.7	77.5
227	64.5	51.5	77.3





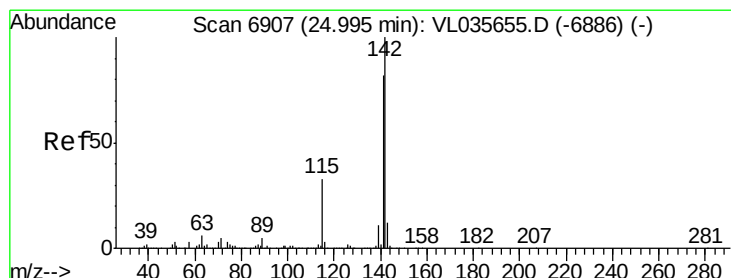
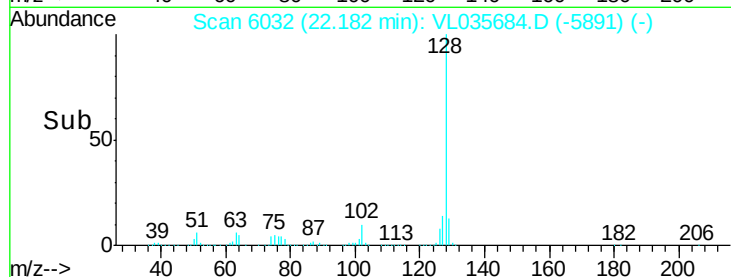
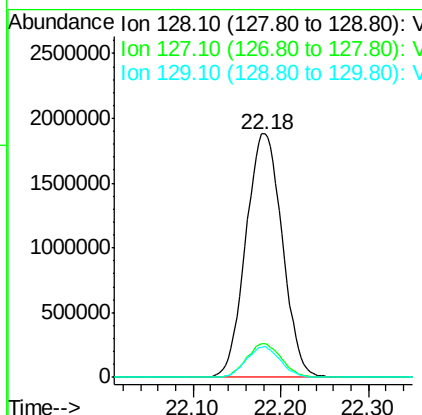
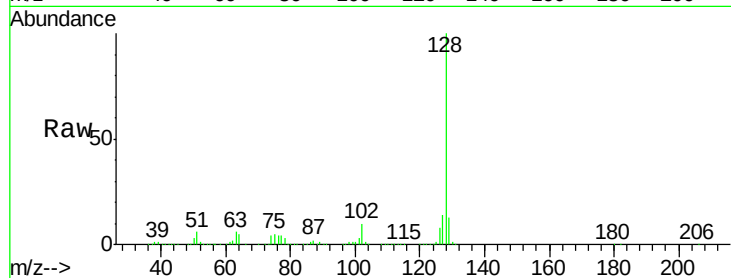
#79
Naphthalene
Concen: 11.049 ppbv
RT: 22.18 min Scan# 6032
Delta R.T. -0.05 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0921ABS01

Tot Ion:128 Resp: 5420300
Ion Ratio Lower Upper
128 100
127 13.7 11.4 17.2
129 12.5 10.5 15.7

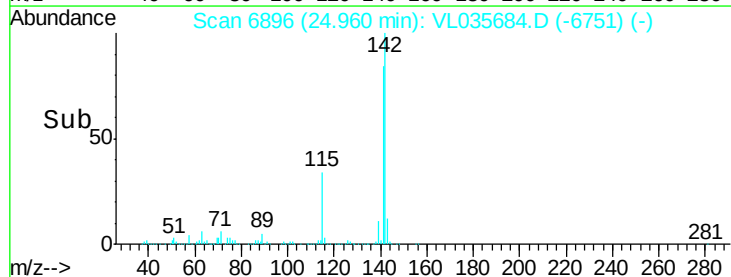
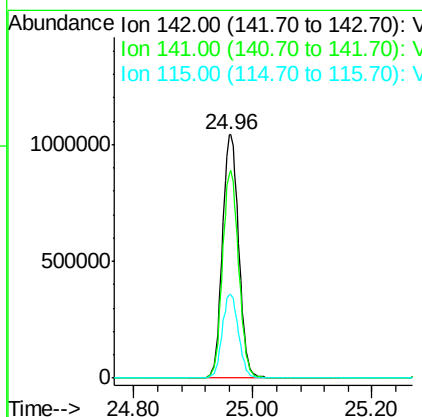
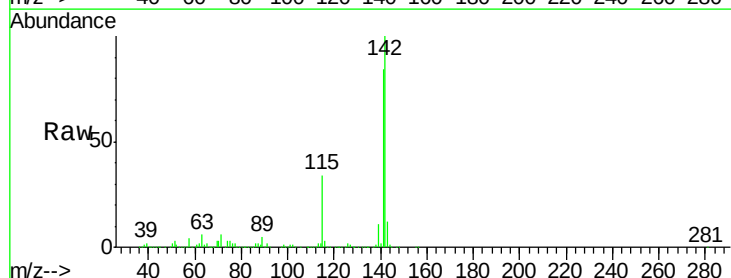
Manual Integrations
APPROVED

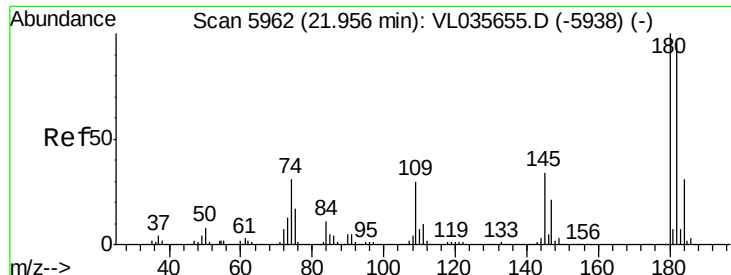
MMDadoda
9/22/2020 2:05:56 PM



#80
Naphthalene, 2-methyl-
Concen: 11.780 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.04 min
Lab File: VL035684.D
Acq: 21 Sep 2020 13:19

Tgt Ion:142 Resp: 1972288
Ion Ratio Lower Upper
142 100
141 84.4 67.6 101.4
115 34.5 25.8 38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.533 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. -0.04 min
 Lab File: VL035684.D
 Acq: 21 Sep 2020 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Tot Ion:	180	Resp:	2800593
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.3	114.5
184	31.1	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:05:56 PM

