

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035390.D
 Acq On : 12 Aug 2020 20:17
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:44:02 PM

Quant Time: Aug 13 11:42:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 13 11:42:02 2020
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1391599	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3338216	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3304889m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2694236	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1603790	9.570	ppbv	99
3) Chlorodifluoromethane	2.98	51	1483946	9.172	ppbv	98
4) Chloromethane	3.13	50	831186	9.193	ppbv	99
5) Vinyl Chloride	3.25	62	787556	8.813	ppbv	98
6) Bromomethane	3.47	94	460307	9.289	ppbv	99
7) Chloroethane	3.55	64	284705	9.032	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	1749985	8.996	ppbv	98
9) Propene	3.01	41	718138	8.568	ppbv	99
10) Heptane	8.13	43	1892834	8.719	ppbv	99
11) Trichlorofluoromethane	3.95	101	1845246	9.079	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1238224	8.953	ppbv	97
13) Ethanol	3.60	45	187544	6.824	ppbv	99
14) Bromoethene	3.74	108	571946	9.256	ppbv	99
15) Acetone	3.85	43	1401688	7.997	ppbv	98
16) 1,3-Butadiene	3.32	39	755626	8.396	ppbv	99
17) tert-Butyl alcohol	4.29	59	1845926	9.029	ppbv	99
18) 1,1-Dichloroethene	4.29	96	576250	9.094	ppbv	98
19) Isopropyl Alcohol	3.97	45	1212312	8.863	ppbv	98
20) Methylene Chloride	4.34	84	516637	7.806	ppbv	96
21) Allyl Chloride	4.41	41	1019318	8.857	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	591525	9.293	ppbv	94
23) Vinyl Acetate	5.08	43	2479470	8.861	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1652221	8.967	ppbv	99
25) Ethyl Acetate	5.68	43	3049954	8.431	ppbv	99
26) Hexane	5.69	57	1335739	8.438	ppbv	100
27) Carbon Disulfide	4.55	76	1551122	9.178	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2281430	8.728	ppbv	99
29) Chloroform	5.76	83	2054138	9.092	ppbv	98
30) Cyclohexane	7.14	84	1153759	8.842	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1430658	9.114	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2100516	8.524	ppbv	100
34) 2-Butanone	5.25	43	2059722	8.658	ppbv	99
35) Carbon Tetrachloride	7.03	117	2073504	8.936	ppbv	98
36) Benzene	6.90	78	2808562	8.773	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1627626	9.160	ppbv	100
38) Trichloroethene	7.85	130	998320	7.958	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1117579	8.817	ppbv	97
40) 1,4-Dioxane	7.84	88	461107	8.932	ppbv	90
41) Tetrahydrofuran	6.05	42	1242218	8.753	ppbv	99
42) Bromodichloromethane	7.81	83	2297608	9.179	ppbv	99
43) Methyl Methacrylate	8.03	69	1286972	9.063	ppbv	99

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Quant Time: Aug 13 11:42:02 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4646349	8.438	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1529380	9.282	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1750615	9.096	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1162096	9.039	ppbv	93
48) Dibromochloromethane	10.32	129	1882642	9.162	ppbv	100
49) Bromoform	13.07	173	1580808	9.384	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	3077738	8.584	ppbv	100
51) 2-Hexanone	10.15	43	2632475	8.721	ppbv	100
52) Tetrachloroethene	11.24	164	910485	8.021	ppbv	97
53) Toluene	9.83	91	3281779	8.637	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1799835	8.840	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1396270	8.695	ppbv	97
57) Chlorobenzene	12.17	112	2392872	8.493	ppbv	99
58) Ethyl Benzene	12.73	91	4460556	8.539	ppbv	100
59) m/p-Xylene	13.02	91	7185427m	16.496	ppbv	
60) o-Xylene	13.72	91	3544484	8.403	ppbv	99
61) Styrene	13.55	104	2706056	8.690	ppbv	99
62) Isopropylbenzene	14.69	105	5273532	8.335	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2486976	8.083	ppbv	100
64) n-propylbenzene	15.59	120	1417045	8.490	ppbv	94
65) tert-Butylbenzene	16.77	119	4515490	8.107	ppbv	98
66) Benzyl Chloride	17.01	91	2179418	8.664	ppbv	99
67) sec-Butylbenzene	17.32	105	6568984	8.181	ppbv	99
69) p-Isopropyltoluene	17.68	119	5520962	8.249	ppbv	99
70) n-Butylbenzene	18.58	91	6110372	8.246	ppbv	99
71) 2-Chlorotoluene	15.48	91	4327824	8.497	ppbv	99
72) 4-Ethyltoluene	15.86	105	4358868	8.466	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4122577	8.540	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	4118754	8.113	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	2267549	8.184	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	2369756	8.327	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	2333097	8.352	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1799004	7.810	ppbv	99
79) Naphthalene	22.24	128	5036785m	7.966	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	2301206	7.815	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2375959m	7.938	ppbv	

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

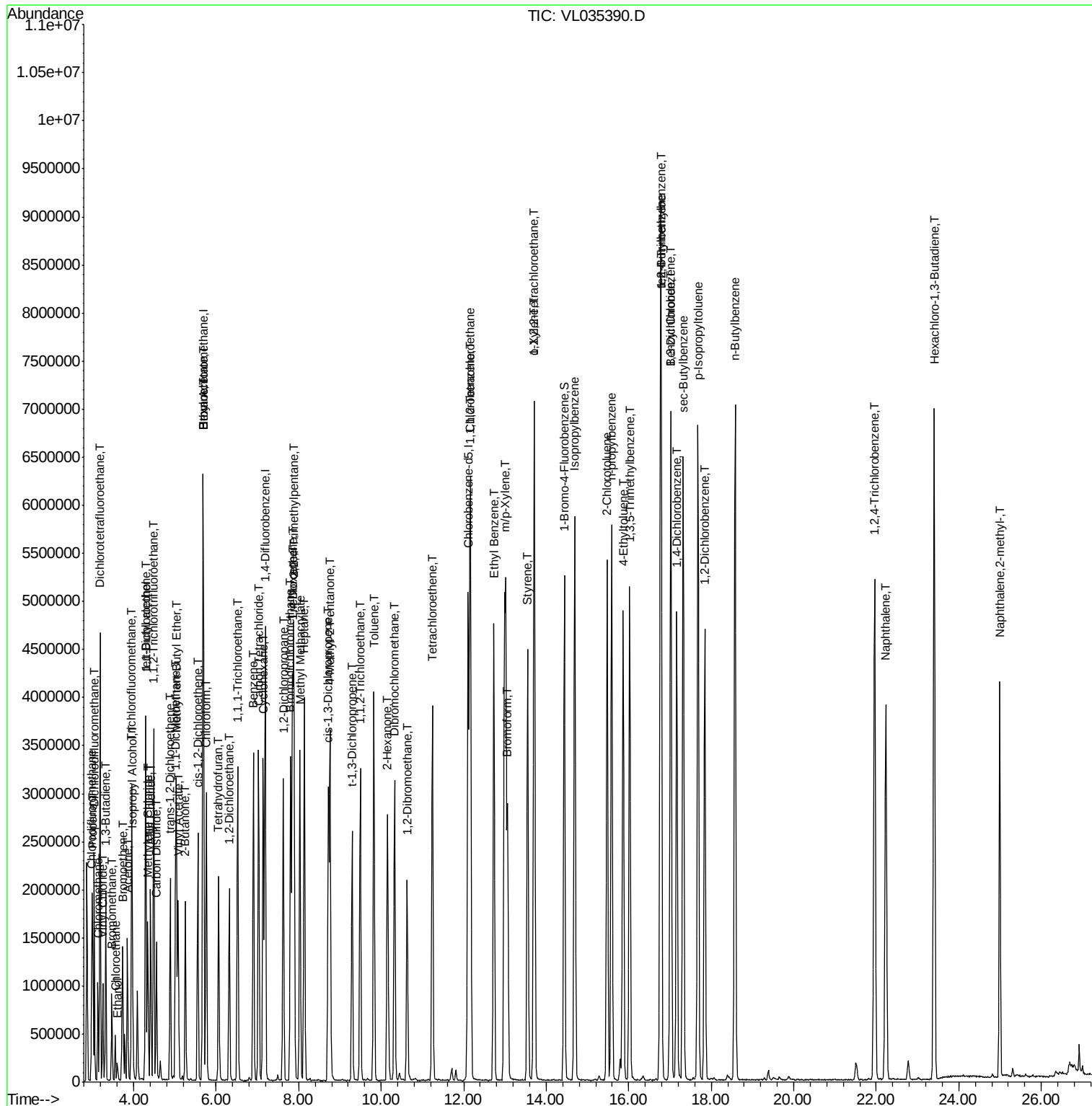
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081220\
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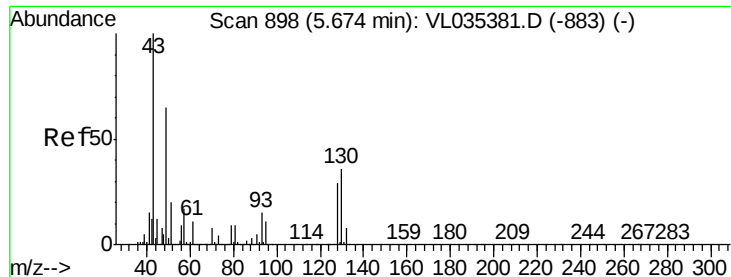
Instrument :
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ClientSampleId :
ICVVL081220

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QLast Update : Wed Aug 12 20:32:44 2020
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 49 Resp: 1391599

Ion Ratio Lower Upper

49 100

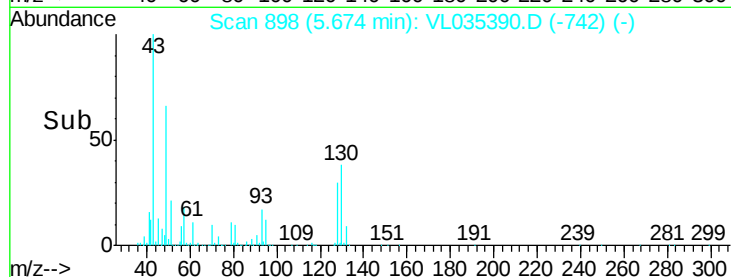
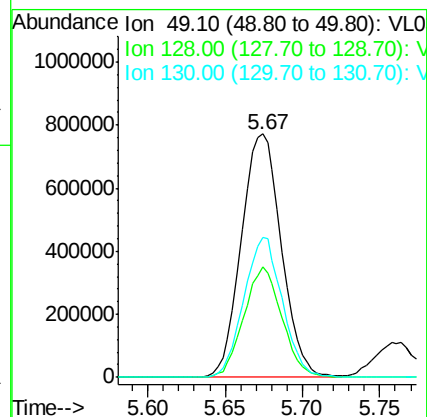
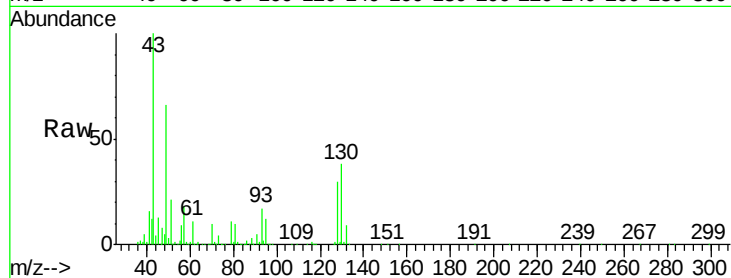
128 43.3 21.8 65.3

130 55.4 27.9 83.6

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 9.570 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL035390.D

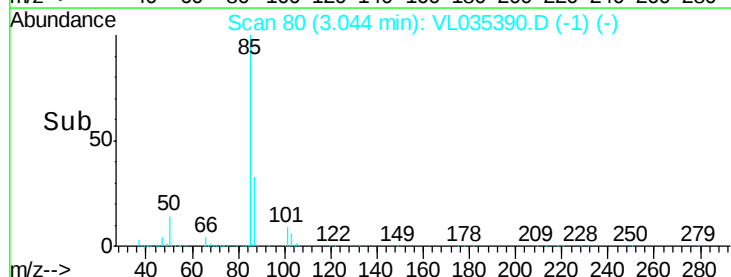
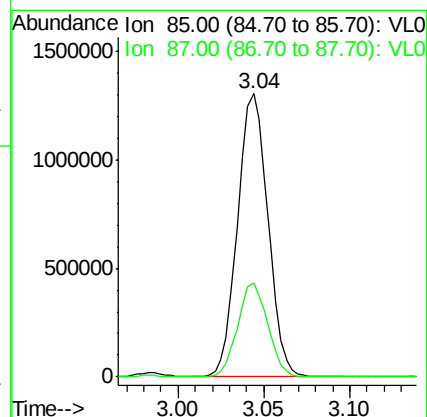
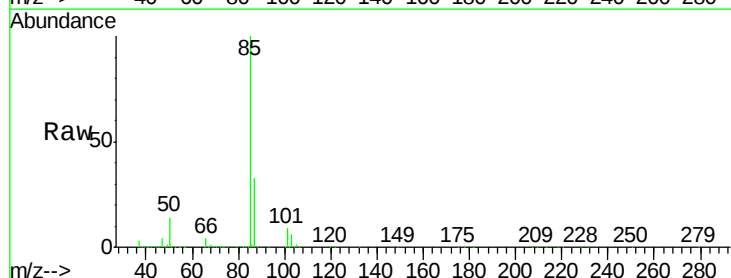
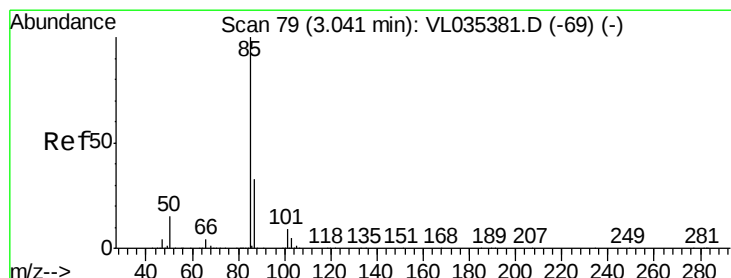
Acq: 12 Aug 2020 20:17

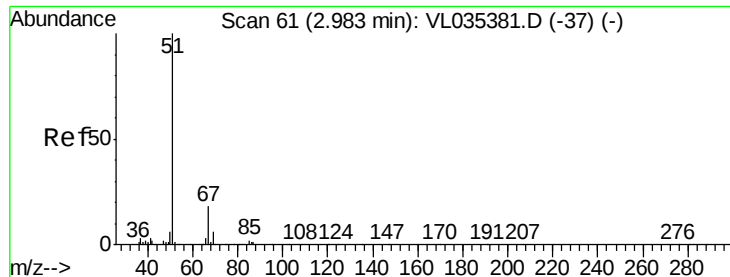
Tgt Ion: 85 Resp: 1603790

Ion Ratio Lower Upper

85 100

87 33.1 26.1 39.1





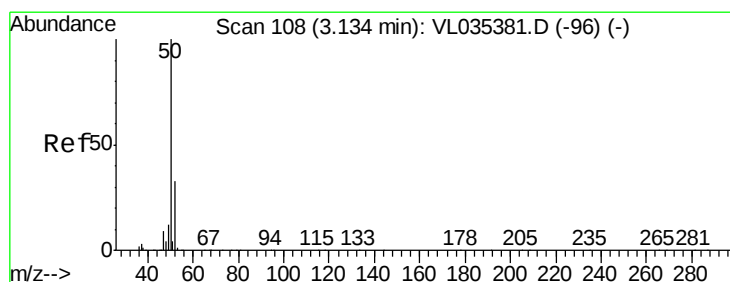
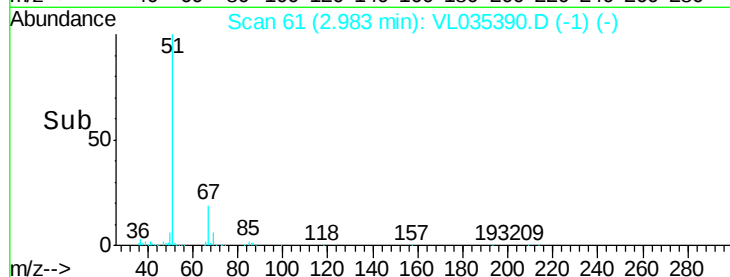
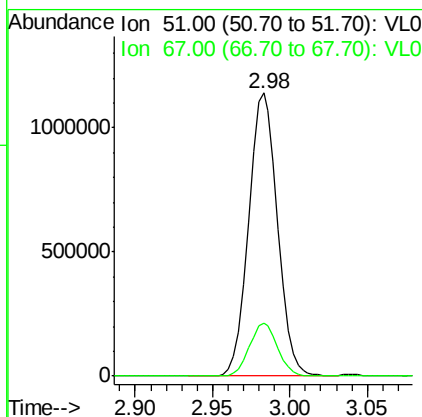
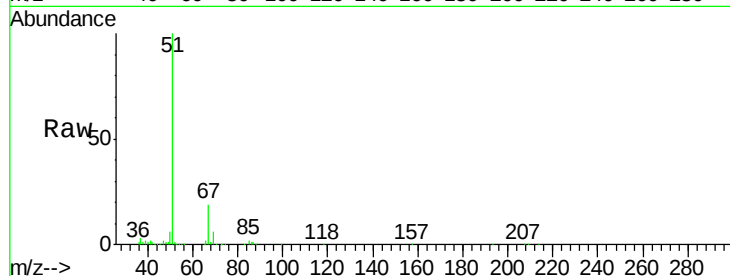
#3
Chlorodifluoromethane
Concen: 9.172 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion: 51 Resp: 1483946
Ion Ratio Lower Upper
51 100
67 18.6 14.1 21.1

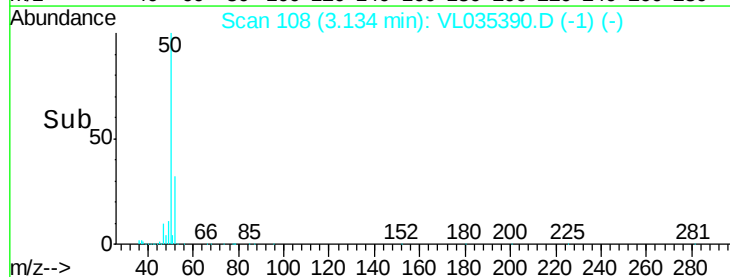
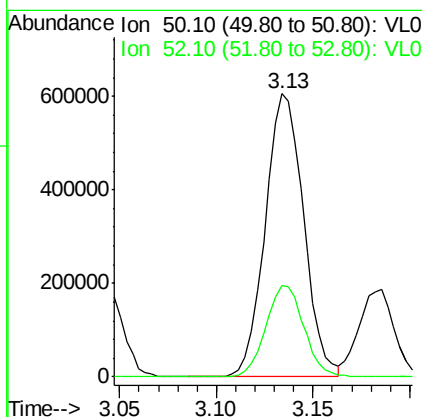
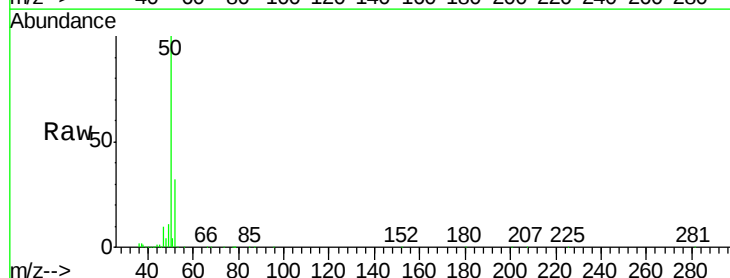
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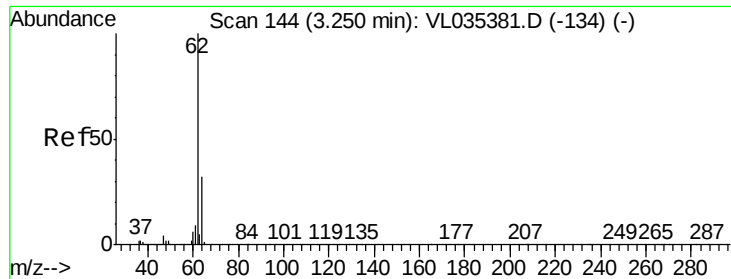
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#4
Chloromethane
Concen: 9.193 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 50 Resp: 831186
Ion Ratio Lower Upper
50 100
52 32.5 26.6 39.8





#5

Vinyl Chloride

Concen: 8.813 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 62 Resp: 787556

Ion Ratio Lower Upper

62 100

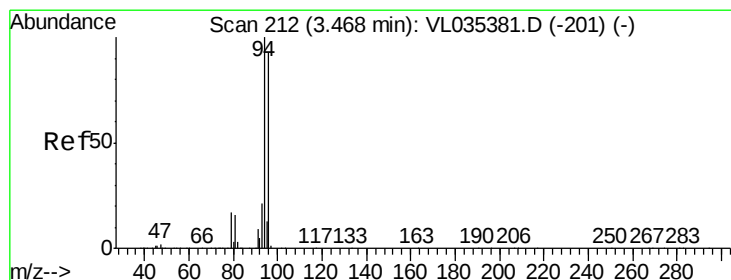
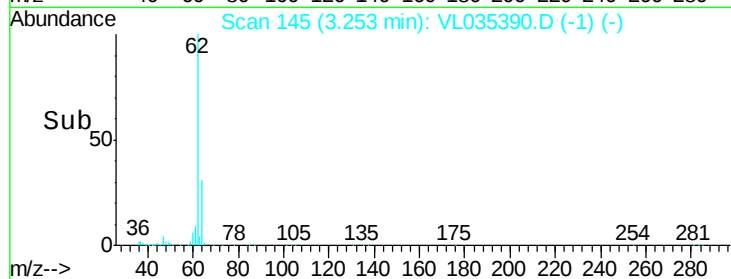
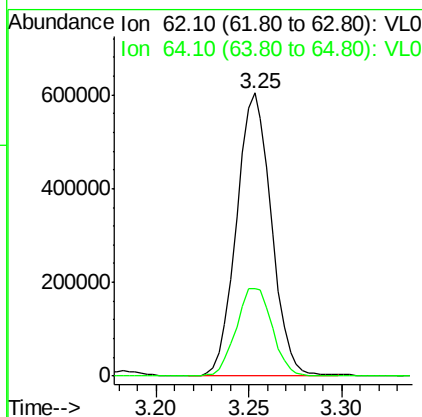
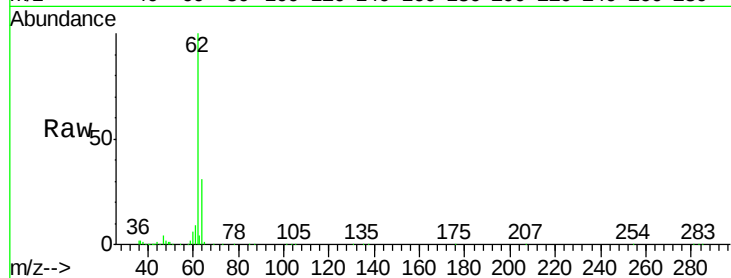
64 31.1 25.7 38.5

Manual Integrations

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#6

Bromomethane

Concen: 9.289 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL035390.D

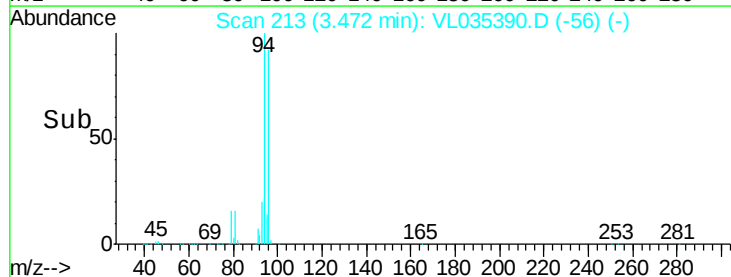
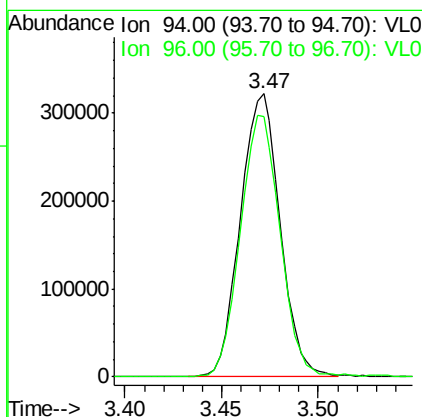
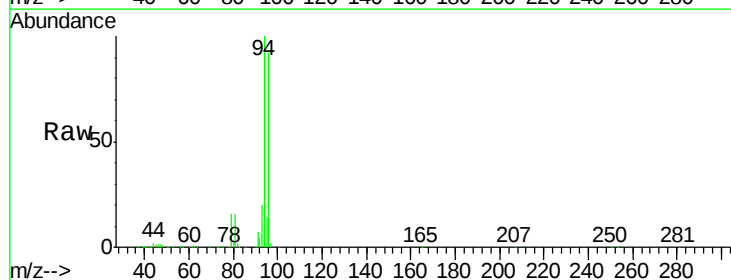
Acq: 12 Aug 2020 20:17

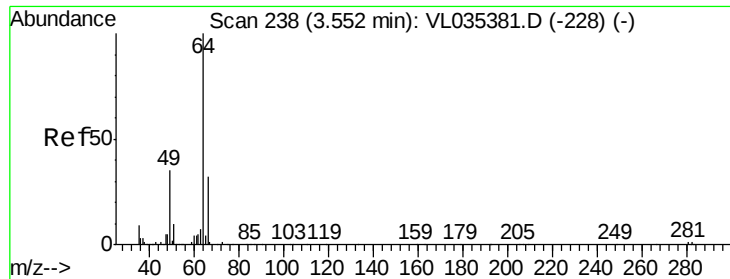
Tgt Ion: 94 Resp: 460307

Ion Ratio Lower Upper

94 100

96 91.7 74.4 111.6





#7

Chloroethane

Concen: 9.032 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

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Tot Ion: 64 Resp: 284705

Ion Ratio Lower Upper

64 100

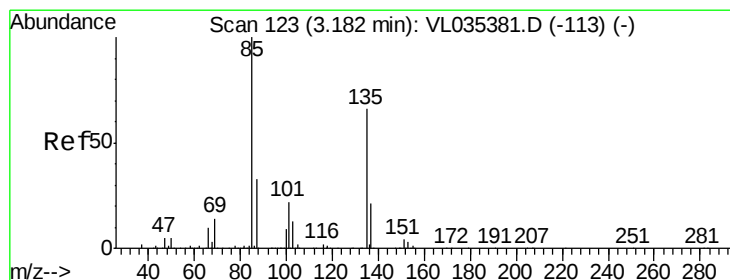
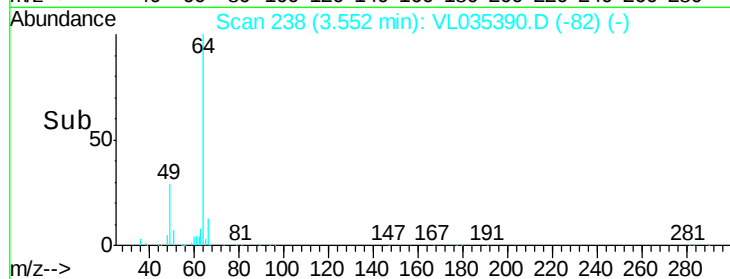
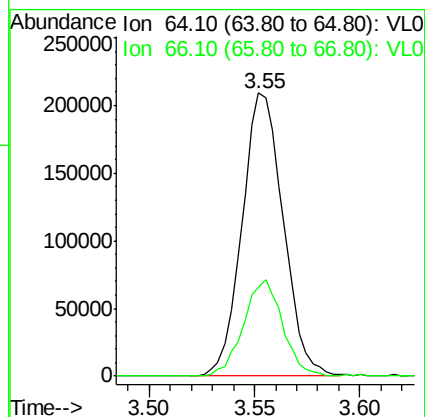
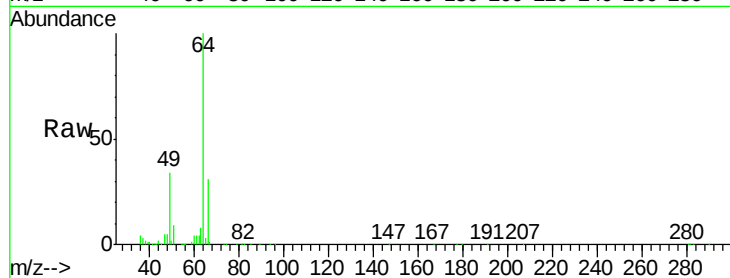
66 31.2 25.7 38.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.996 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035390.D

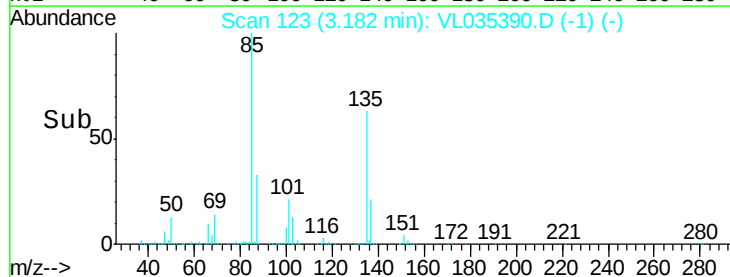
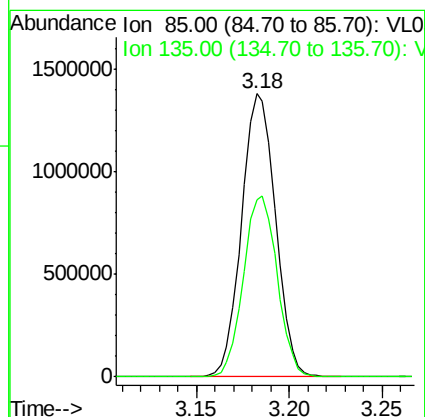
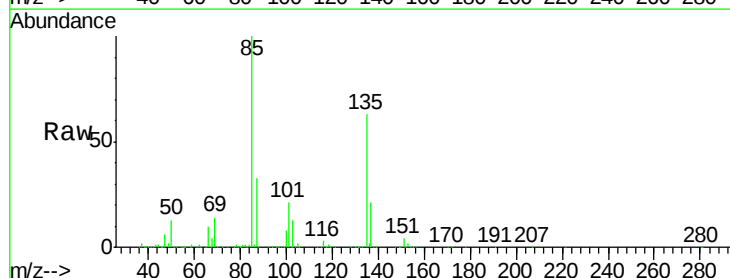
Acq: 12 Aug 2020 20:17

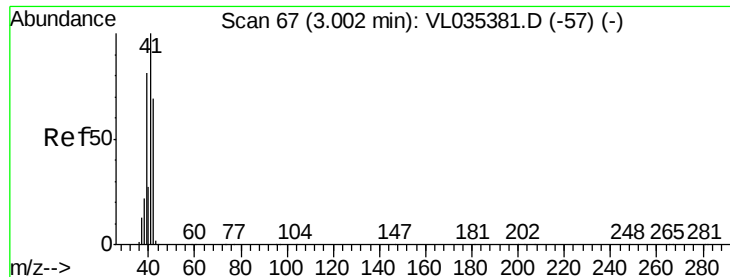
Tgt Ion: 85 Resp: 1749985

Ion Ratio Lower Upper

85 100

135 63.8 52.5 78.7





#9

Propene

Concen: 8.568 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 41 Resp: 718138

Ion Ratio Lower Upper

41 100

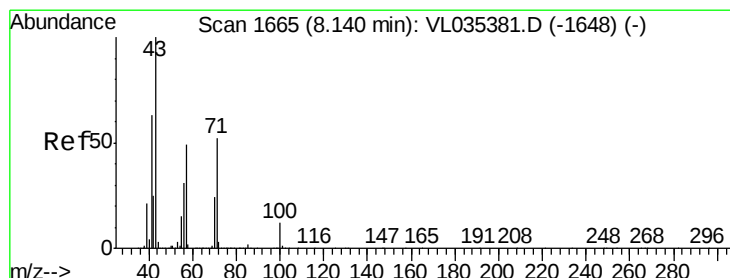
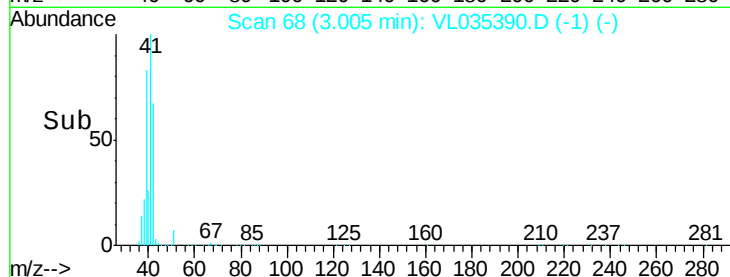
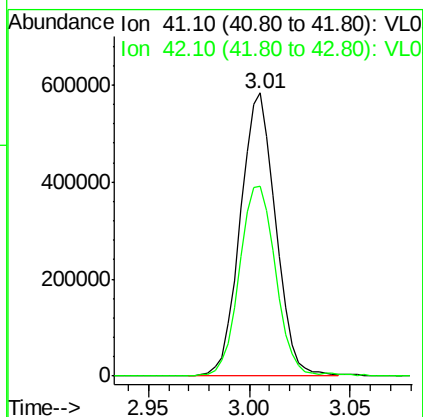
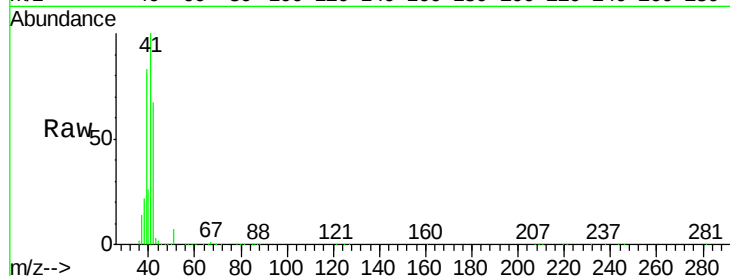
42 70.0 55.4 83.2

Manual Integrations

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#10

Heptane

Concen: 8.719 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VL035390.D

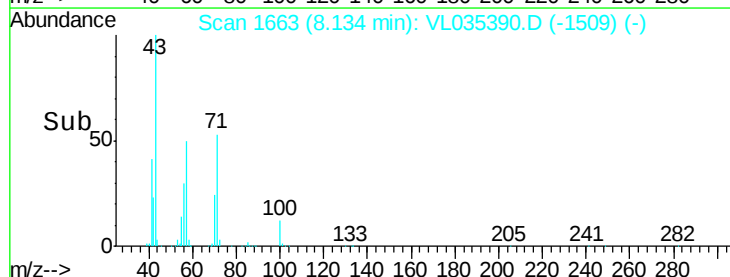
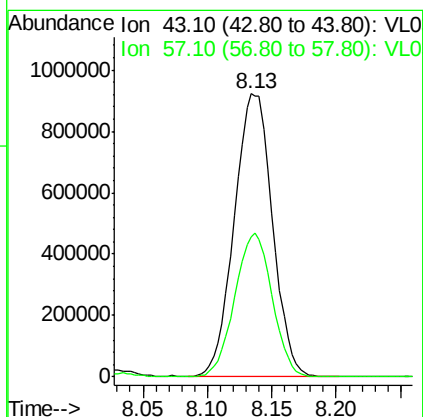
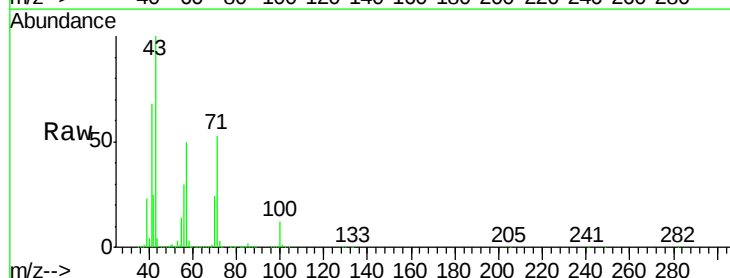
Acq: 12 Aug 2020 20:17

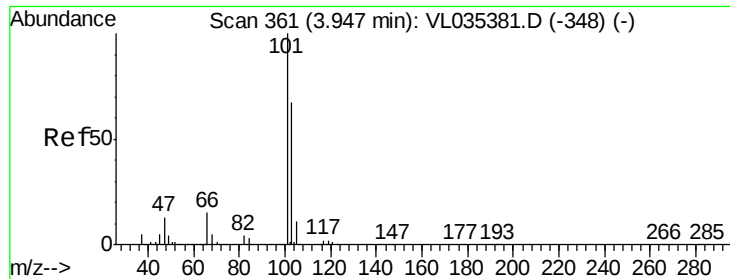
Tgt Ion: 43 Resp: 1892834

Ion Ratio Lower Upper

43 100

57 49.8 39.4 59.2





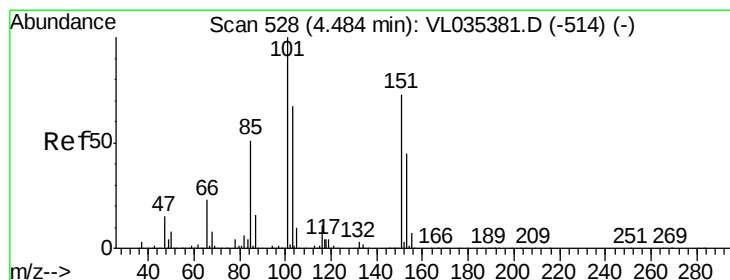
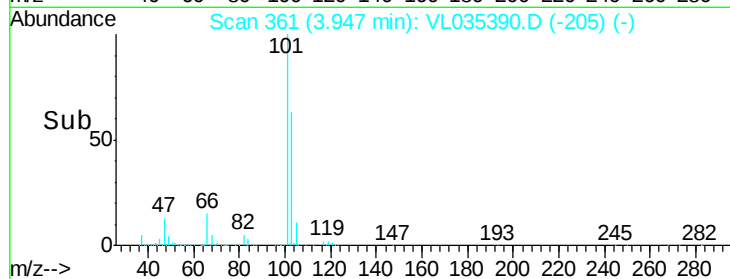
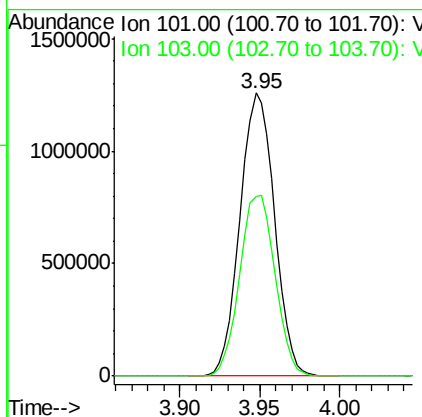
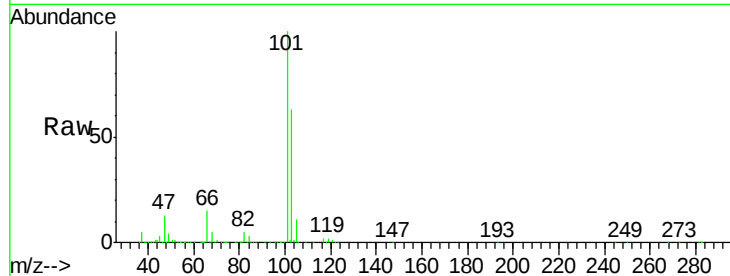
#11
 Trichlorofluoromethane
 Concen: 9.079 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Tot Ion:101 Resp: 1845246
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.3 79.9

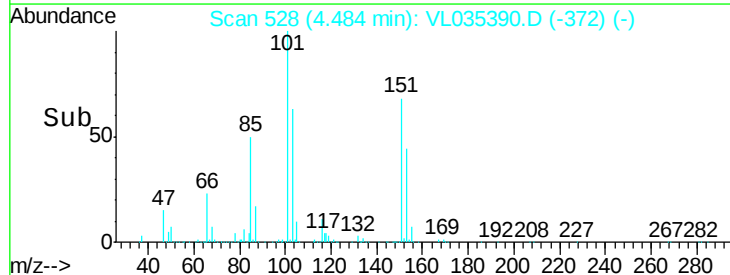
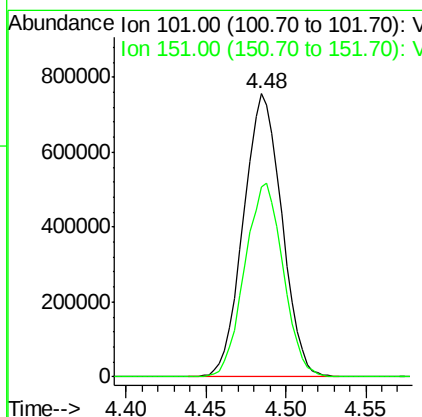
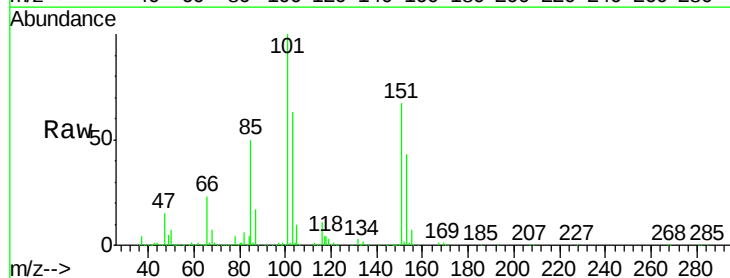
Manual Integrations
 APPROVED

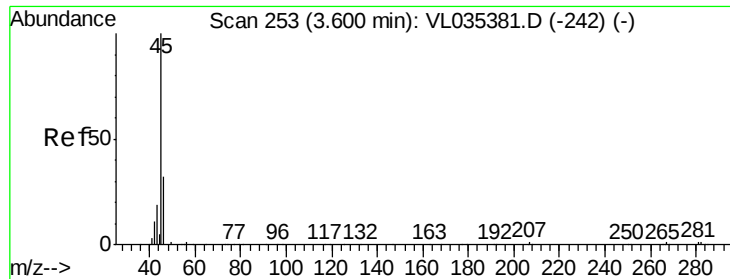
MMDadoda
 8/17/2020 5:44:02 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.953 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion:101 Resp: 1238224
 Ion Ratio Lower Upper
 101 100
 151 68.8 57.0 85.6





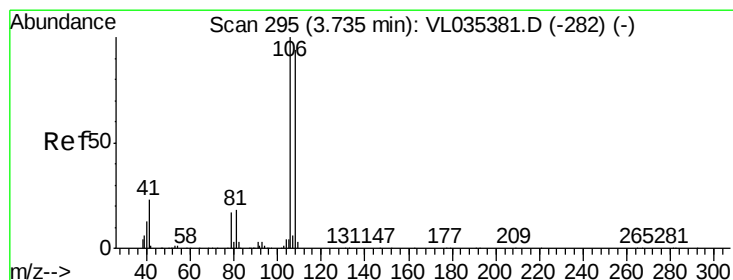
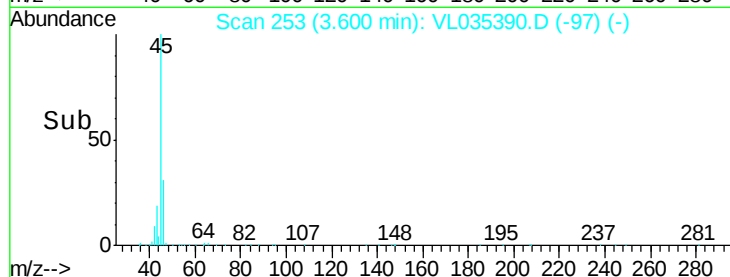
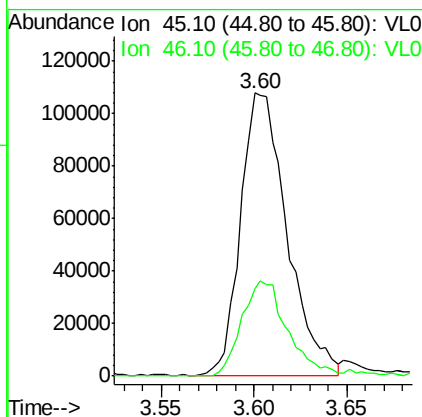
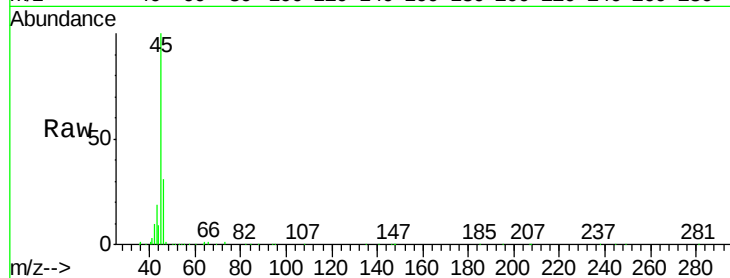
#13
Ethanol
Concen: 6.824 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion	Ratio	Lower	Upper
45	100		
46	34.6	14.1	56.3

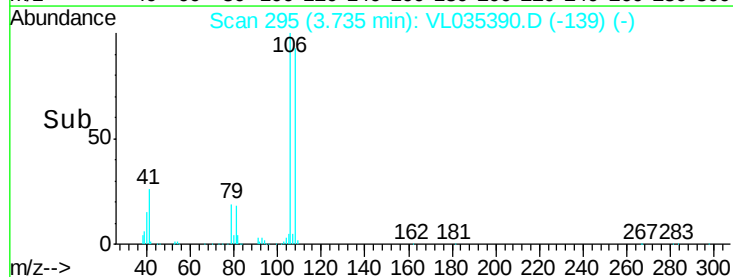
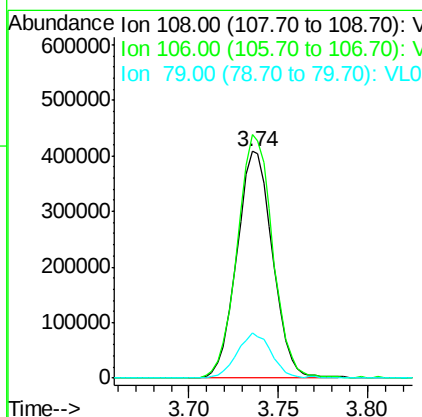
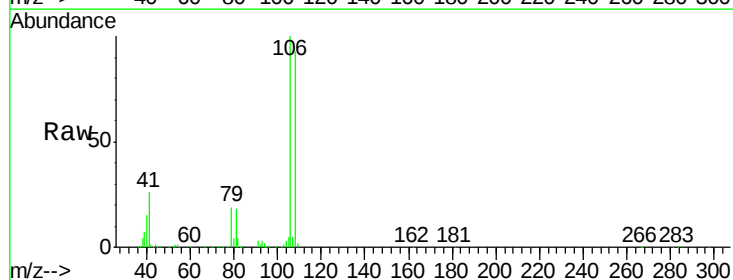
Manual Integrations
APPROVED

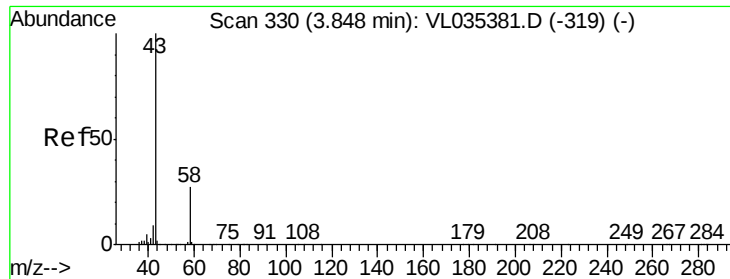
MMDadoda
8/17/2020 5:44:02 PM



#14
Bromoethene
Concen: 9.256 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.9	84.9	127.3
79	19.7	15.8	23.8





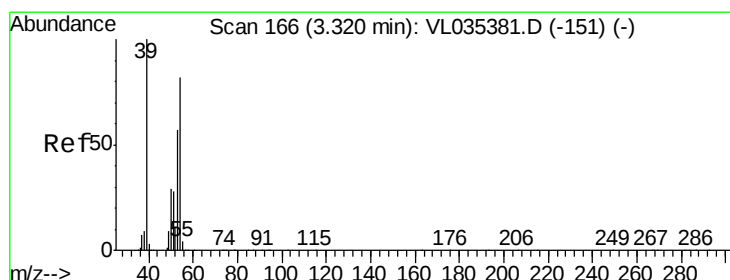
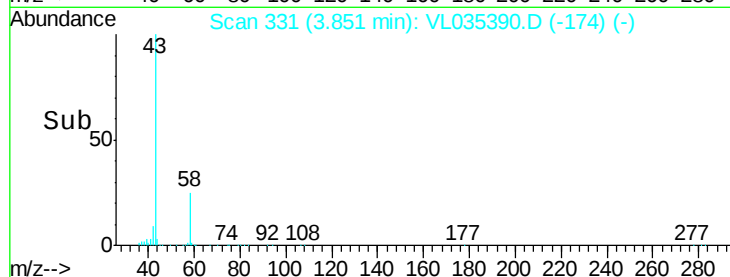
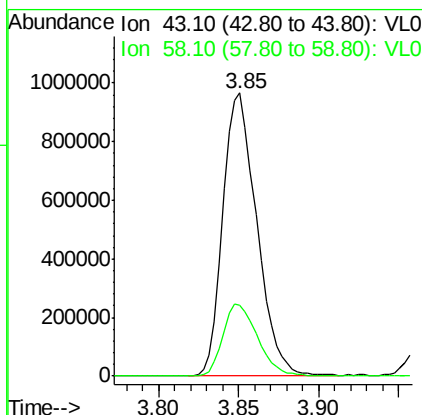
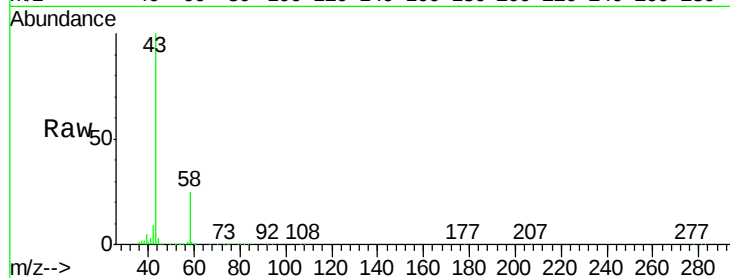
#15
Acetone
Concen: 7.997 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion: 43 Resp: 1401688
Ion Ratio Lower Upper
43 100
58 26.1 21.7 32.5

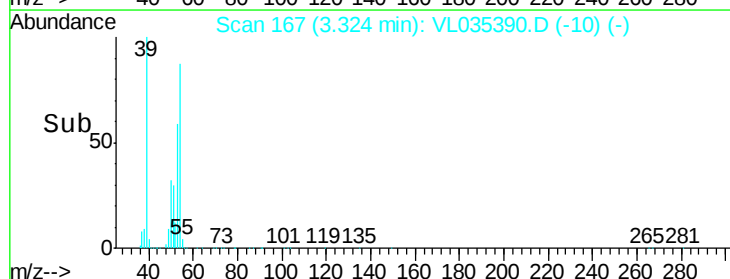
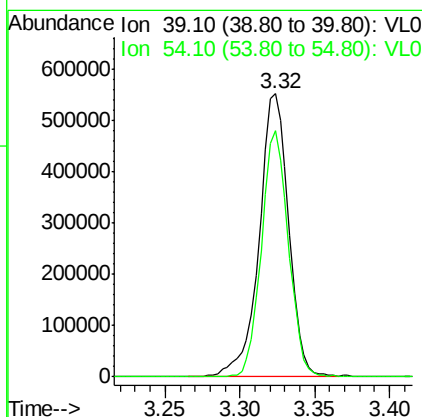
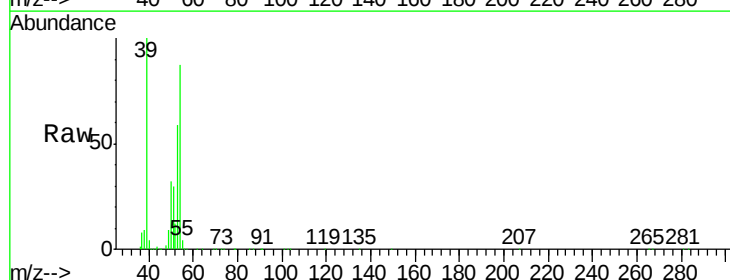
Manual Integrations
APPROVED

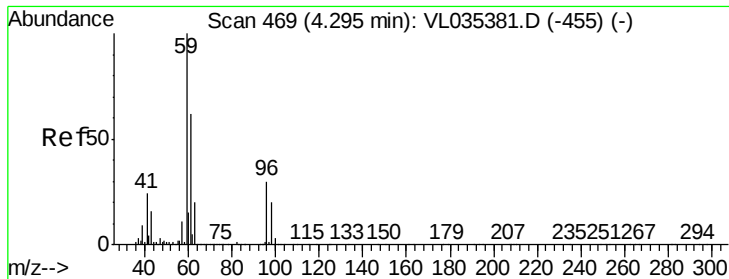
MMDadoda
8/17/2020 5:44:02 PM



#16
1,3-Butadiene
Concen: 8.396 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 39 Resp: 755626
Ion Ratio Lower Upper
39 100
54 79.9 64.9 97.3





#17

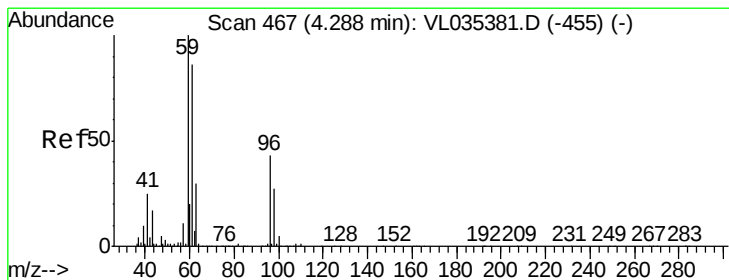
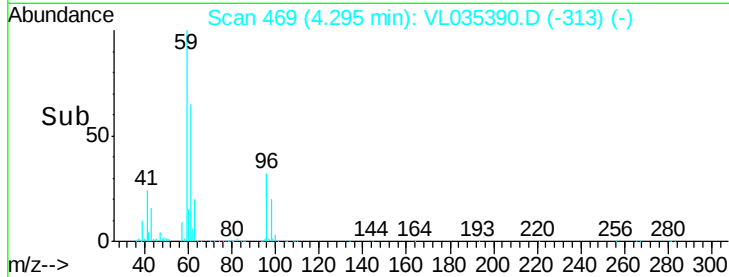
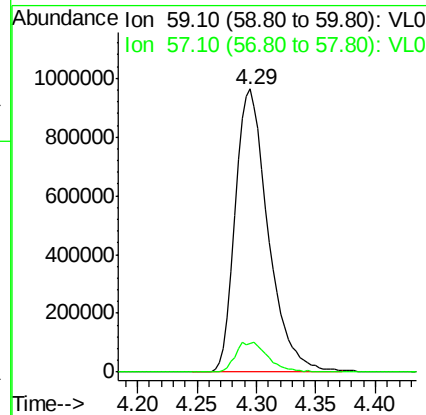
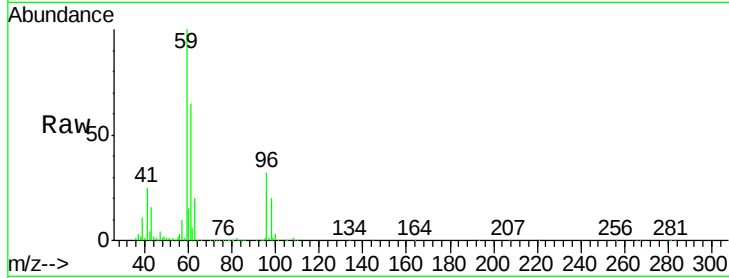
tert-Butyl alcohol
Concen: 9.029 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampled :
ICVVL081220

Tot Ion: 59 Resp: 1845926
Ion Ratio Lower Upper
59 100
57 10.6 8.6 13.0

Manual Integrations
APPROVED

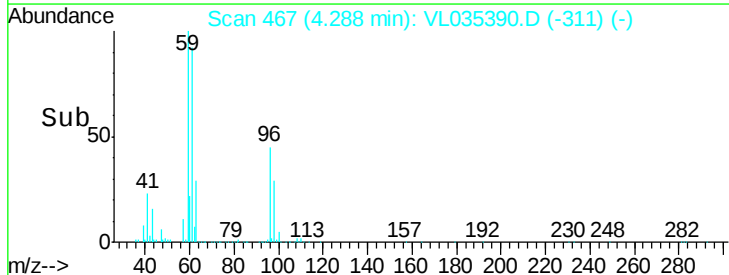
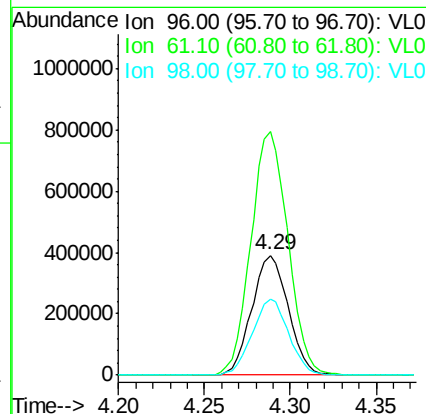
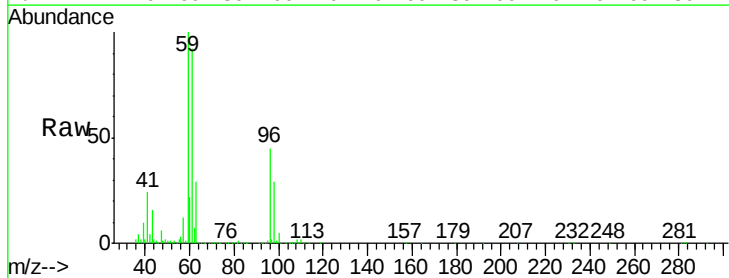
MMDadoda
8/17/2020 5:44:02 PM

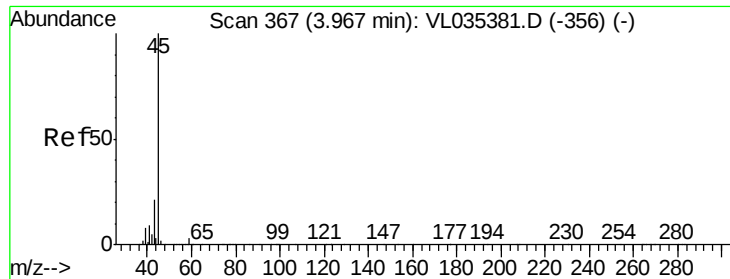


#18

1,1-Dichloroethene
Concen: 9.094 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 96 Resp: 576250
Ion Ratio Lower Upper
96 100
61 203.2 159.0 238.4
98 63.0 50.3 75.5





#19

Isopropyl Alcohol

Concen: 8.863 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 45 Resp: 1212312

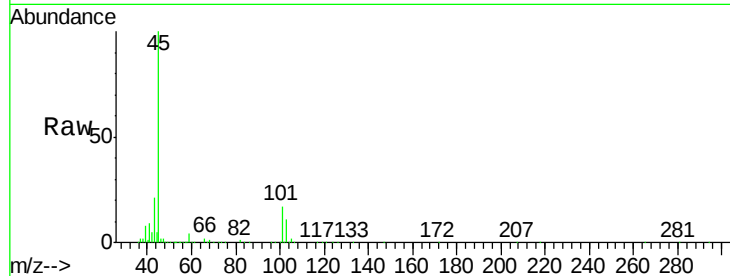
Ion Ratio Lower Upper

45 100

58 30.2 24.9 37.3

Manual Integrations
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

800000

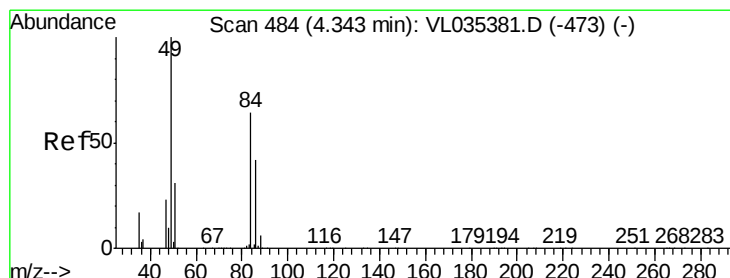
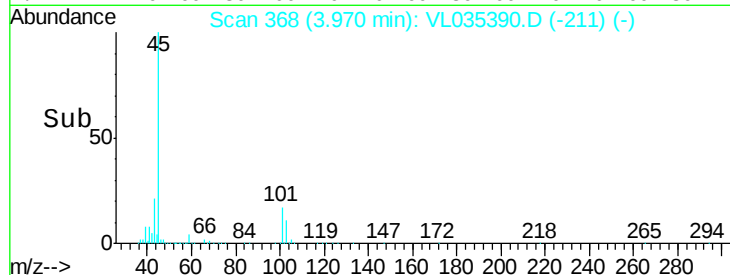
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.806 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion: 84 Resp: 516637

Ion Ratio Lower Upper

84 100

49 149.5 125.7 188.5

51 46.7 38.5 57.7

86 63.5 52.4 78.6

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

800000

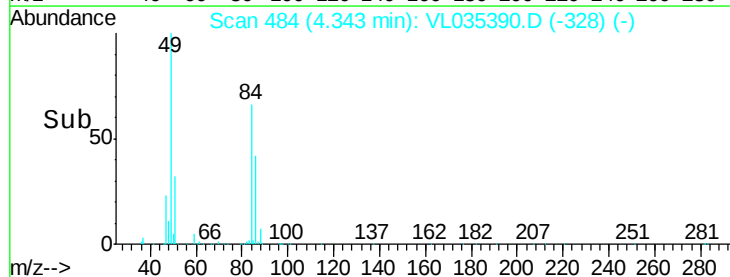
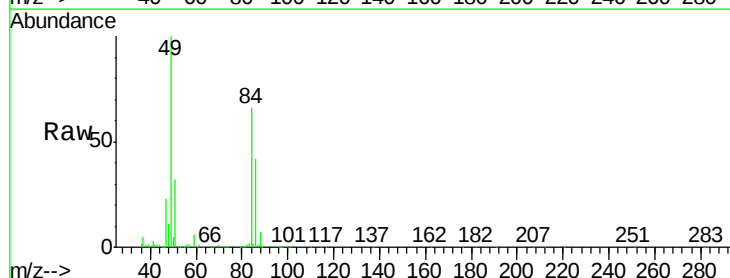
600000

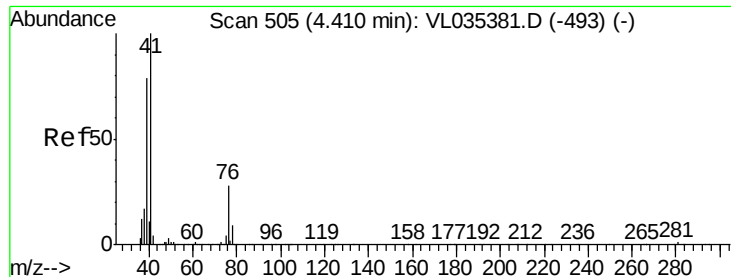
400000

200000

0

Time-->





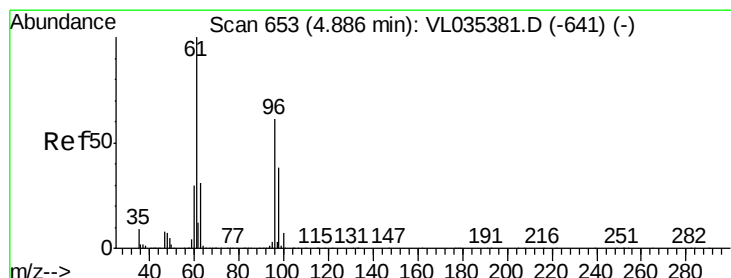
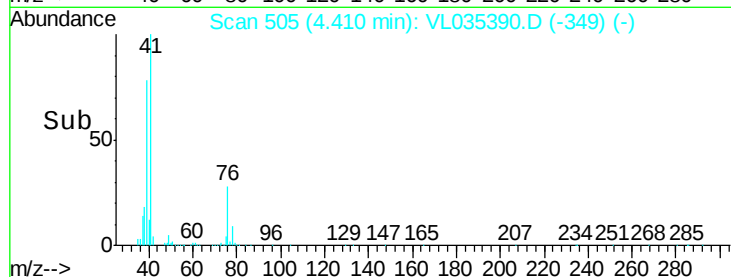
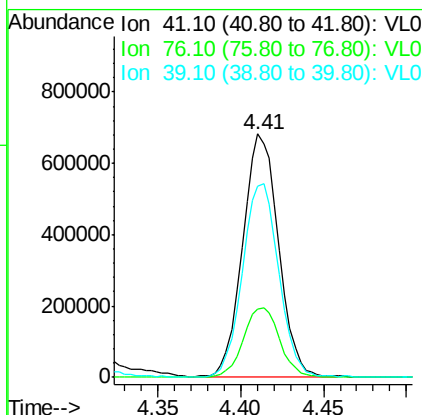
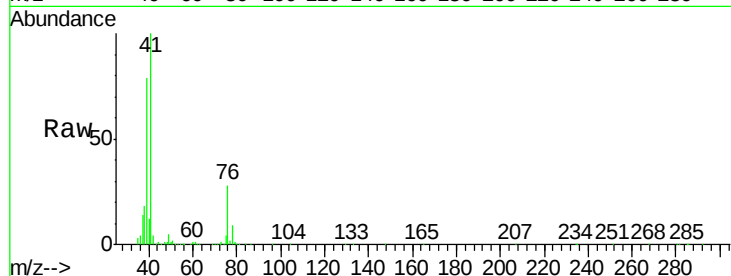
#21
Allvl Chloride
Concen: 8.857 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.3	22.4	33.6
39	80.3	63.0	94.4

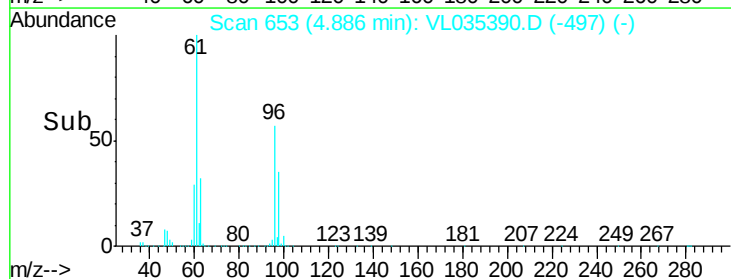
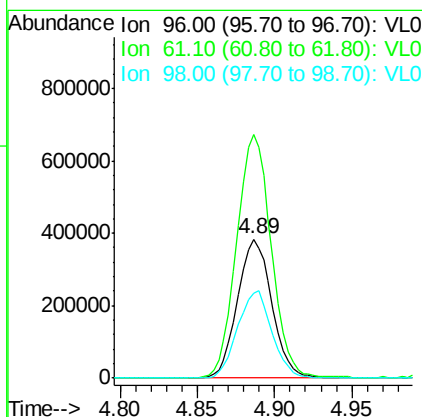
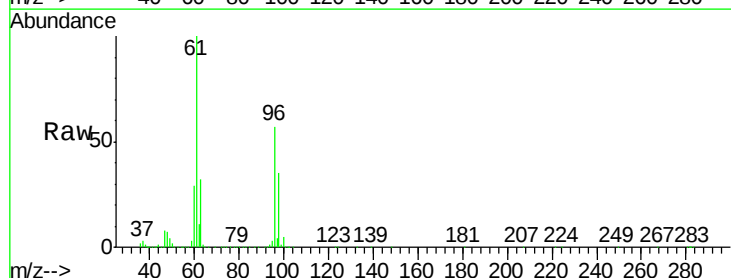
Manual Integrations
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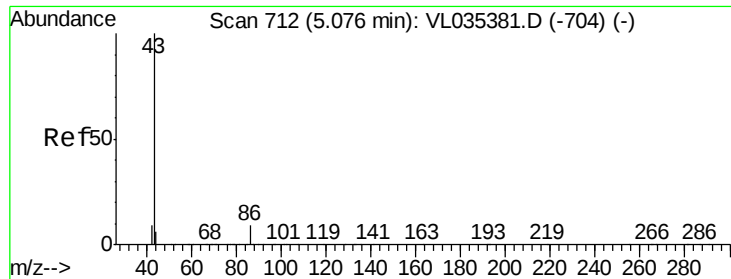
MMDadoda
8/17/2020 5:44:02 PM



#22
trans-1,2-Dichloroethene
Concen: 9.293 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.2	131.8	197.6
98	61.3	49.6	74.4





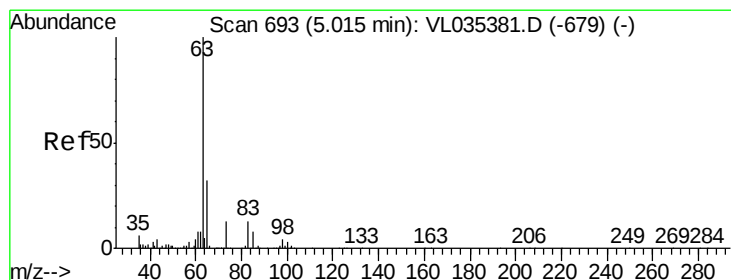
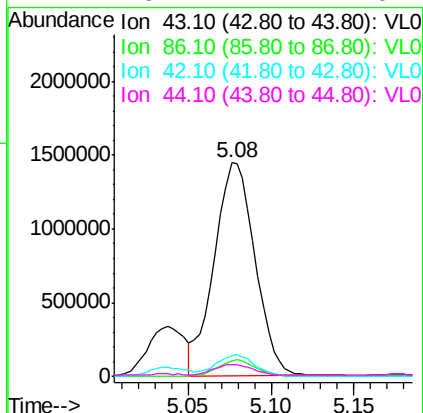
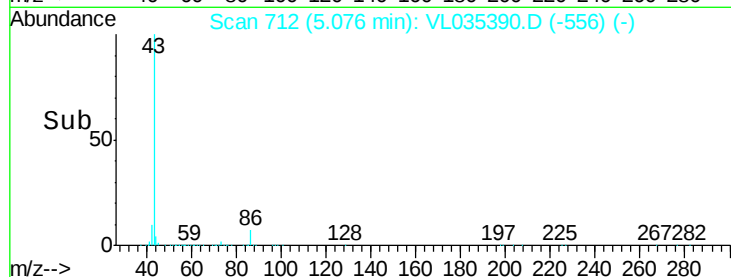
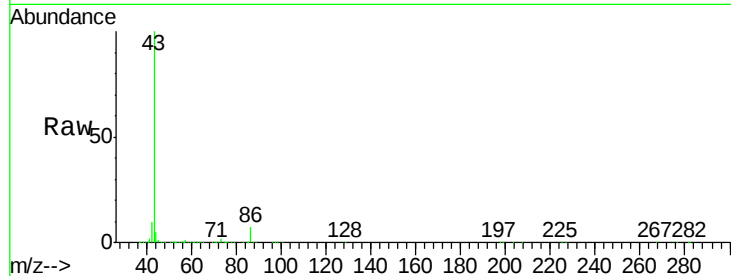
#23
 Vinyl Acetate
 Concen: 8.861 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.0	5.8	8.8	
42	9.5	8.0	12.0	
44	5.1	4.2	6.2	

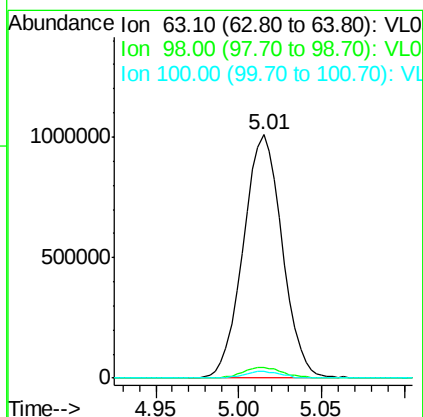
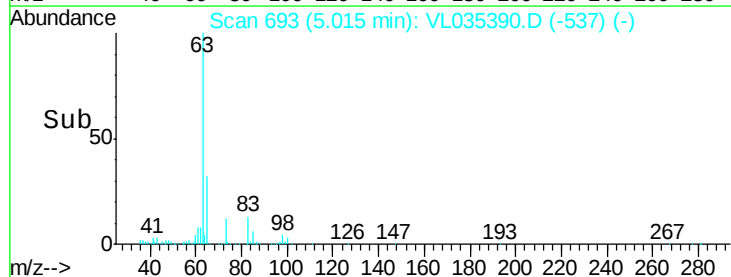
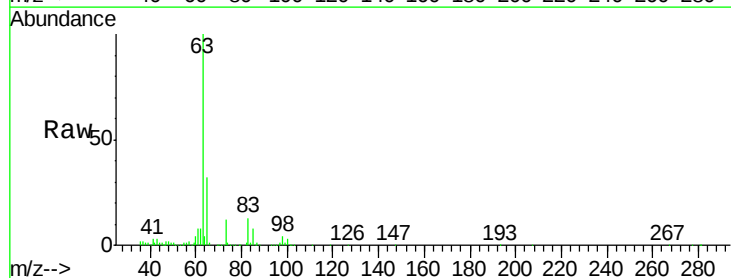
Manual Integrations
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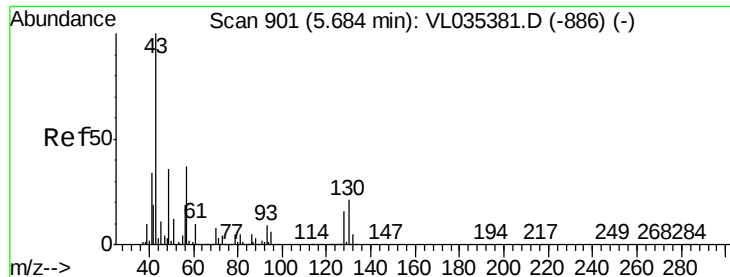
MMDadoda
 8/17/2020 5:44:02 PM



#24
 1,1-Dichloroethane
 Concen: 8.967 ppbv
 RT: 5.01 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.2	2.2	6.6	
100	2.9	1.4	4.0	





#25

Ethyl Acetate

Concen: 8.431 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 43 Resp: 3049954

Ion Ratio Lower Upper

43 100

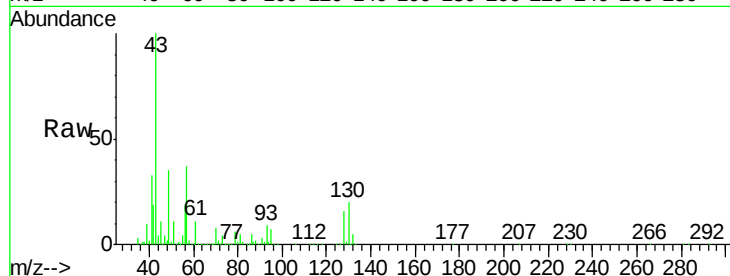
45 10.3 8.0 12.0

61 9.7 7.4 11.2

70 7.5 5.9 8.9

Manual Integrations
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MMDadoda
8/17/2020 5:44:02 PM

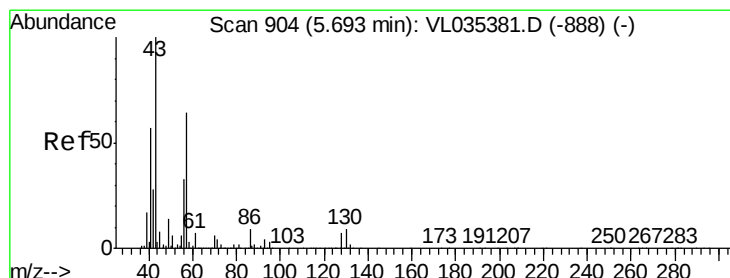
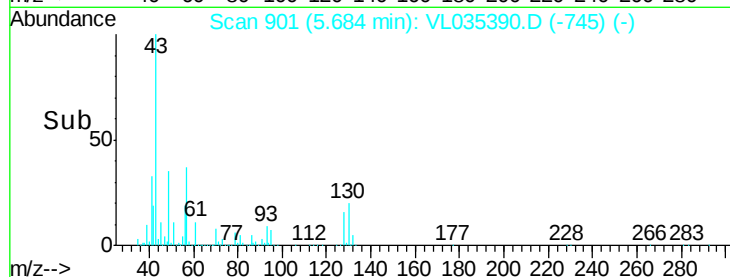
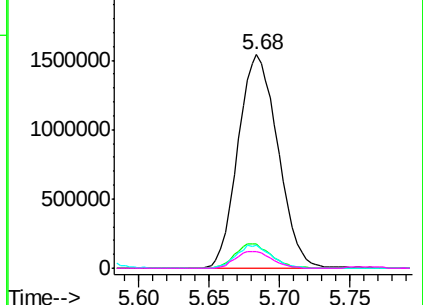


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.438 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion: 57 Resp: 1335739

Ion Ratio Lower Upper

57 100

41 95.0 75.4 113.2

43 229.5 184.1 276.1

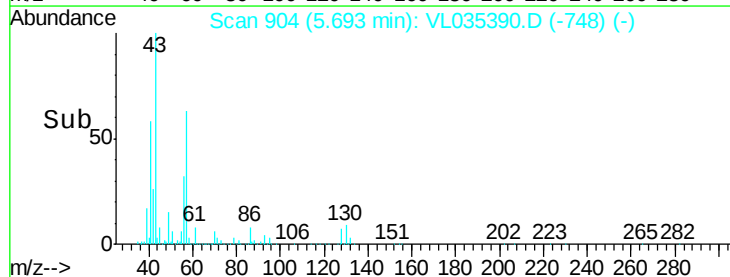
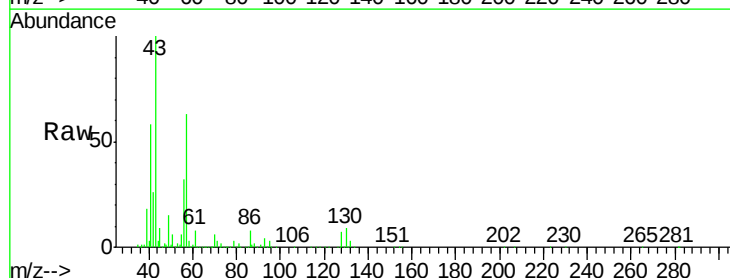
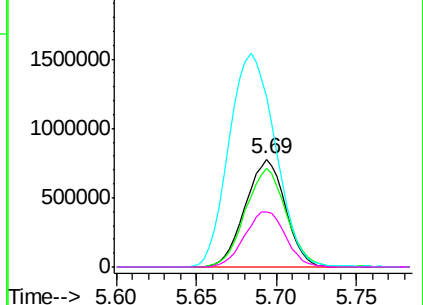
56 52.5 42.2 63.4

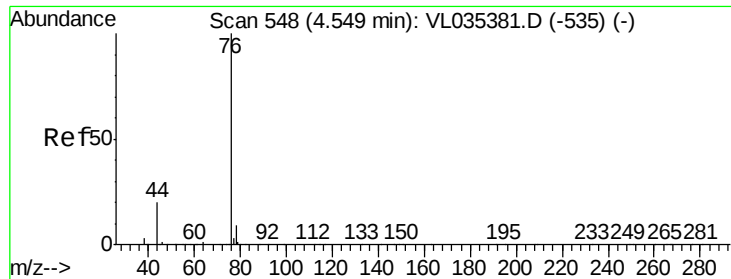
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.178 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 76 Resp: 1551122

Ion Ratio Lower Upper

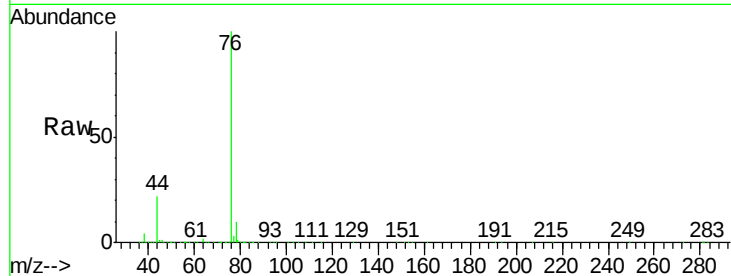
76 100

44 20.4 17.0 25.4

78 9.3 7.5 11.3

Manual Integrations
APPROVED

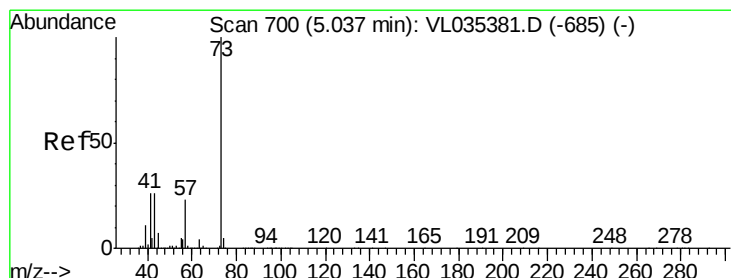
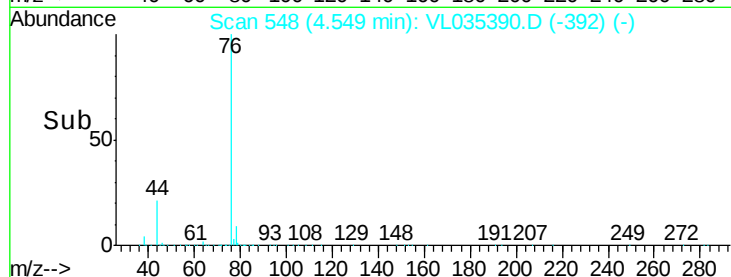
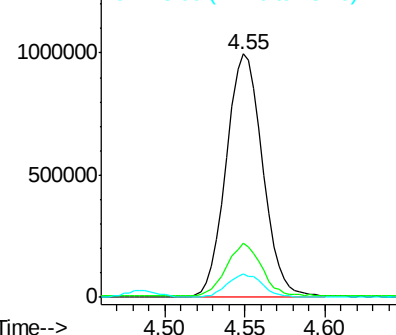
MMDadoda
8/17/2020 5:44:02 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.728 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL035390.D

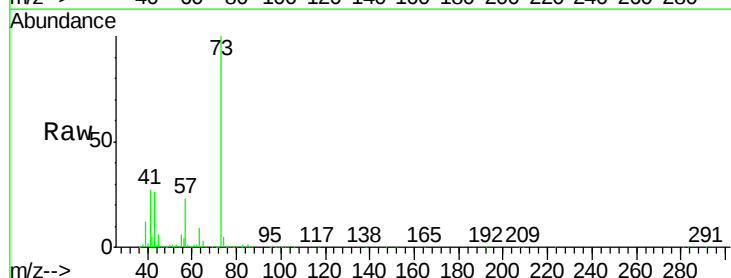
Acq: 12 Aug 2020 20:17

Tgt Ion: 73 Resp: 2281430

Ion Ratio Lower Upper

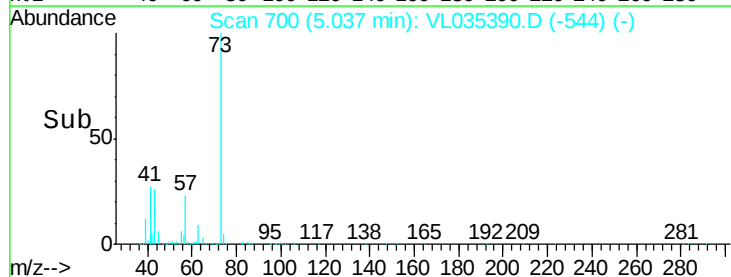
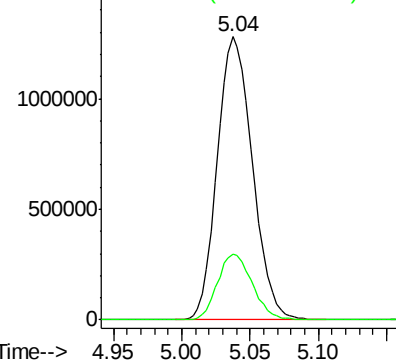
73 100

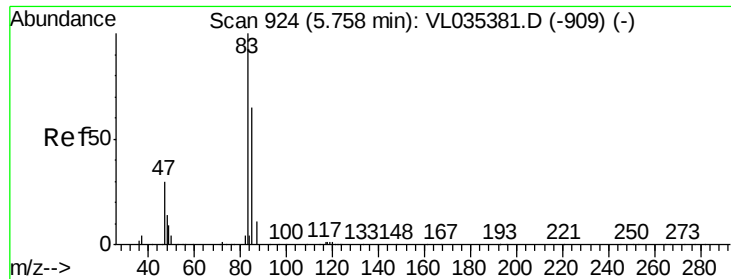
57 23.3 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





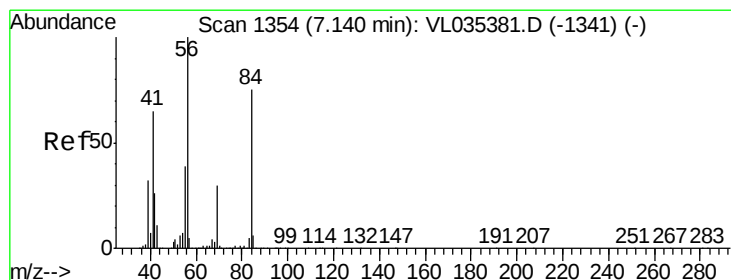
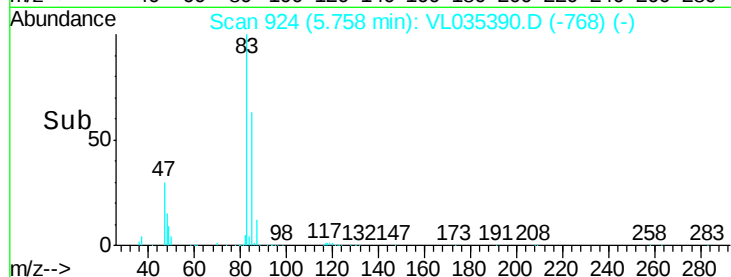
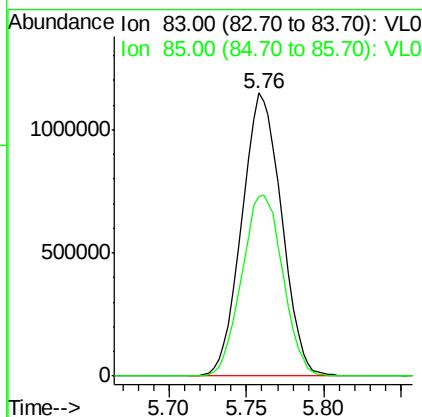
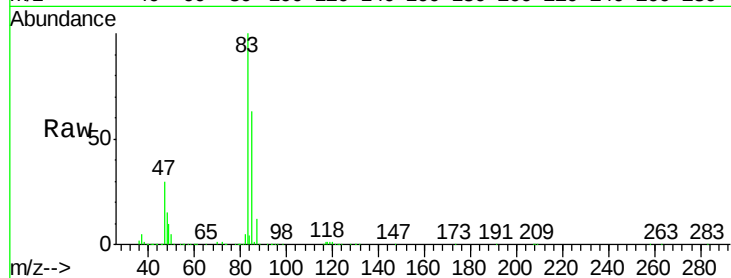
#29
Chloroform
Concen: 9.092 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion: 83 Resp: 2054138
Ion Ratio Lower Upper
83 100
85 63.2 51.7 77.5

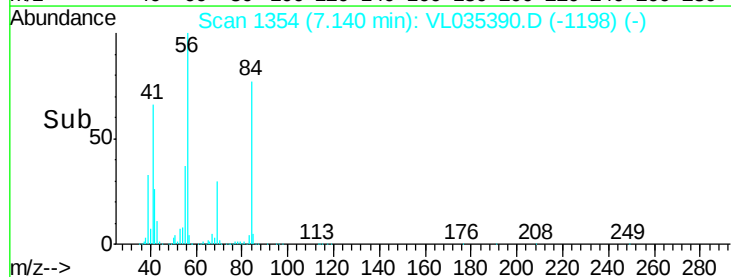
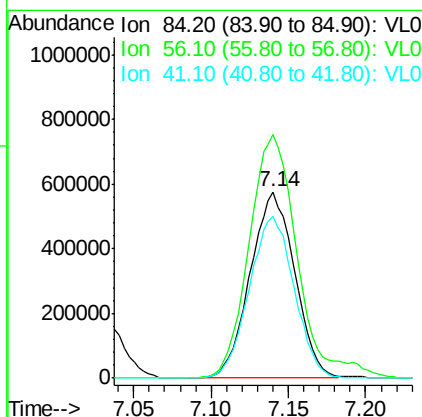
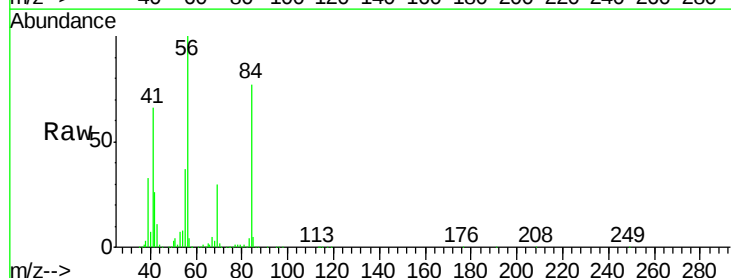
Manual Integrations
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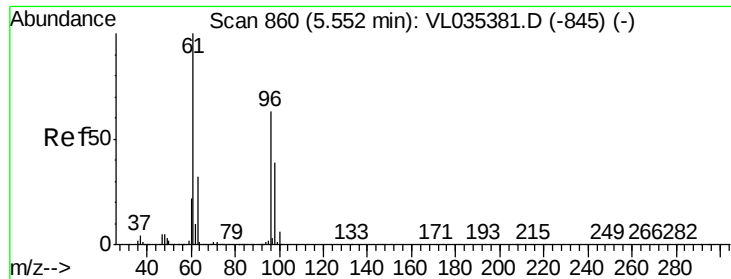
MMDadoda
8/17/2020 5:44:02 PM



#30
Cyclohexane
Concen: 8.842 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 84 Resp: 1153759
Ion Ratio Lower Upper
84 100
56 141.9 115.8 173.6
41 87.3 71.4 107.0





#31

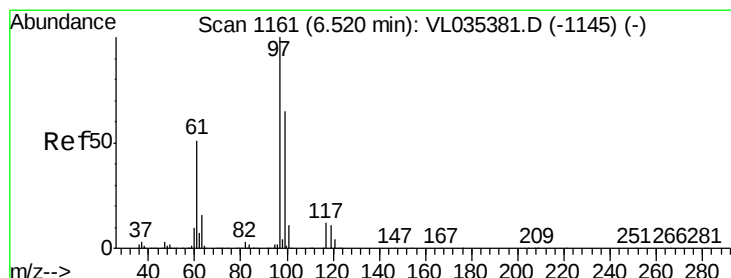
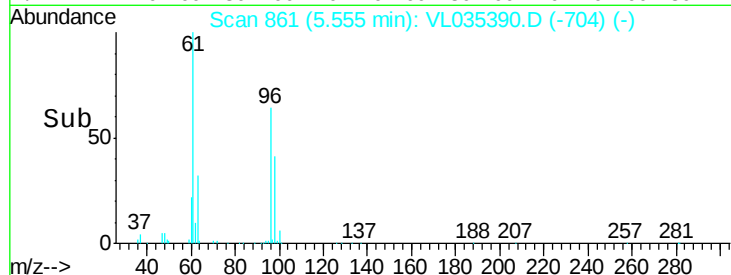
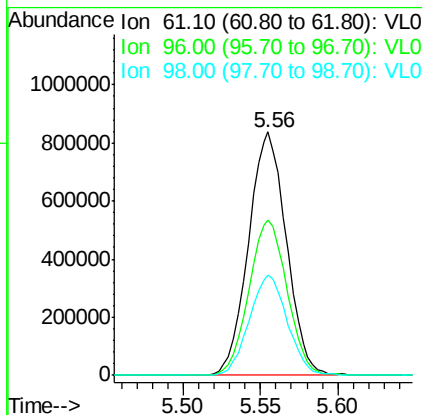
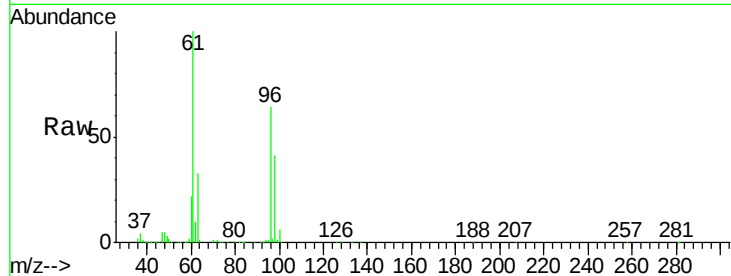
cis-1,2-Dichloroethene
Concen: 9.114 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.6	50.5	75.7
98	41.2	31.5	47.3

Manual Integrations
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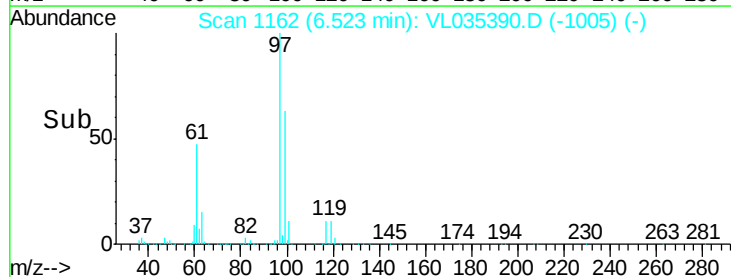
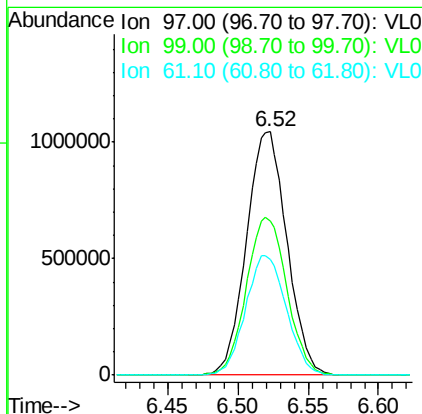
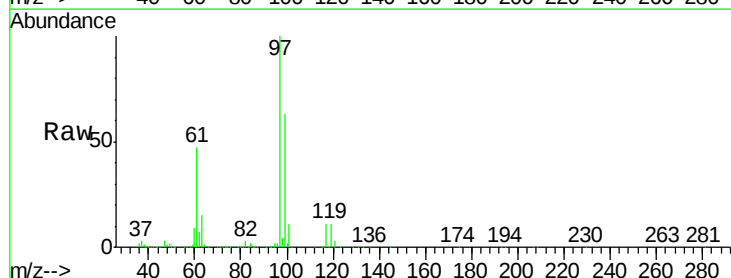
MMDadoda
8/17/2020 5:44:02 PM

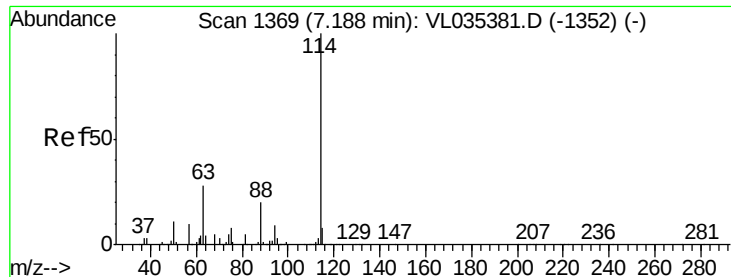


#32

1,1,1-Trichloroethane
Concen: 8.524 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	49.6	39.6	59.4





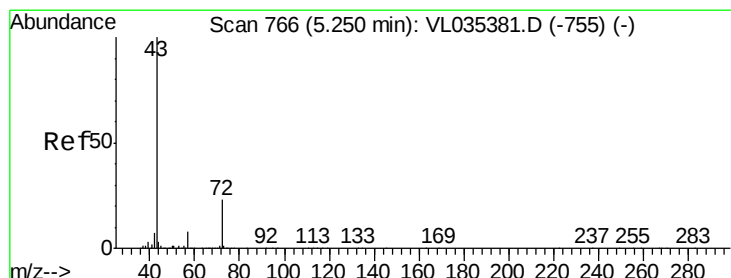
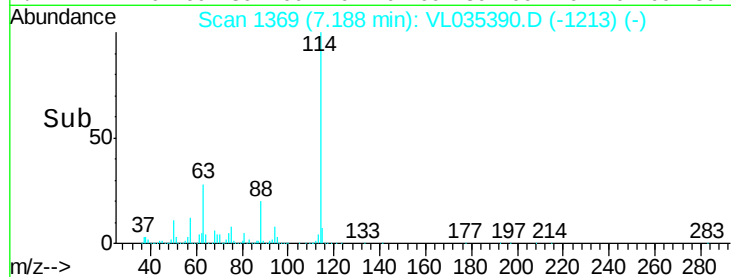
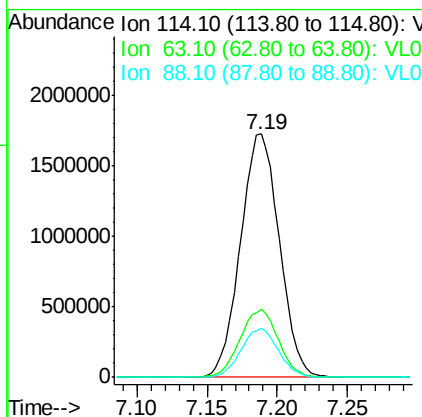
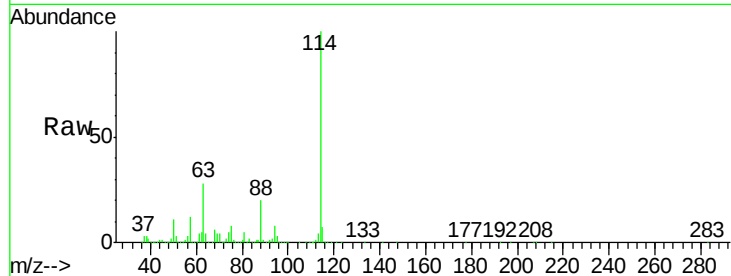
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.9	21.5	32.3
88	19.5	15.6	23.4

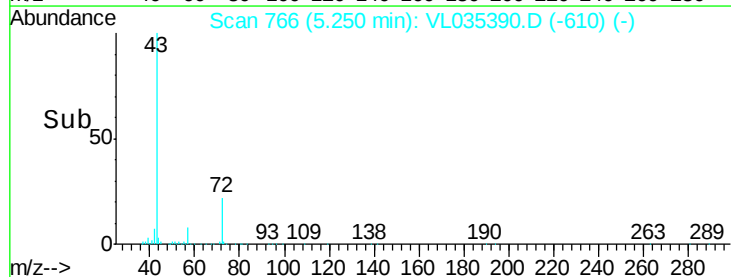
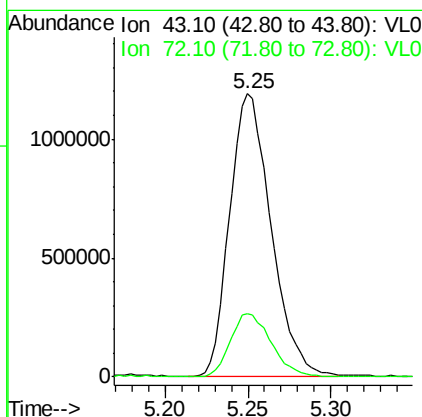
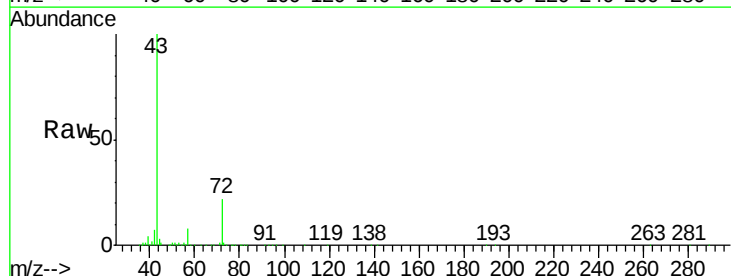
Manual Integrations
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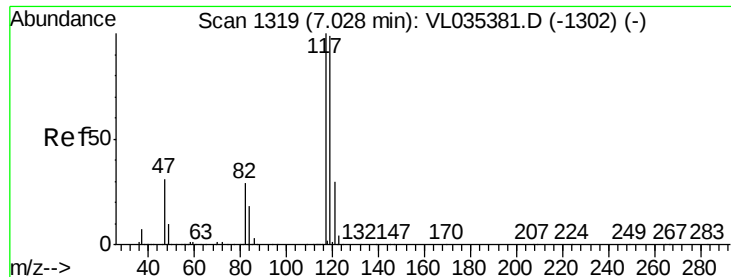
MMDadoda
 8/17/2020 5:44:02 PM



#34
 2-Butanone
 Concen: 8.658 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.7	26.5





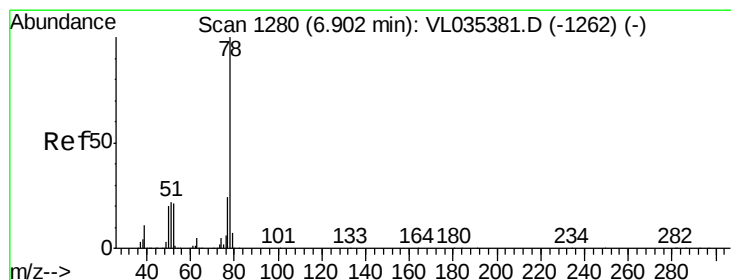
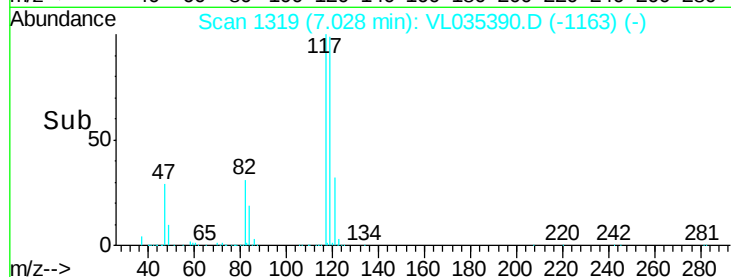
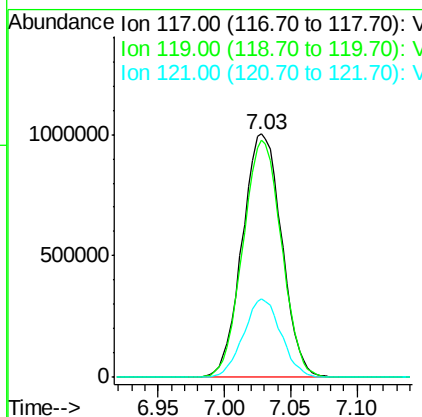
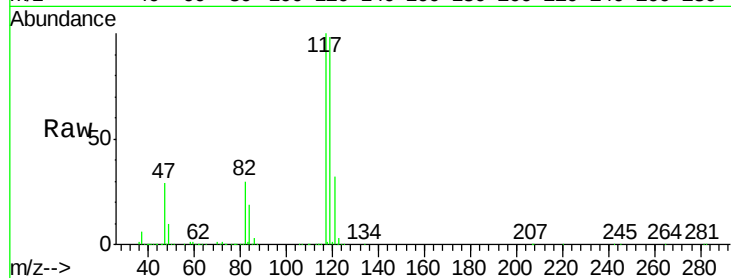
#35
Carbon Tetrachloride
Concen: 8.936 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.7	79.4	119.0
121	32.0	24.3	36.5

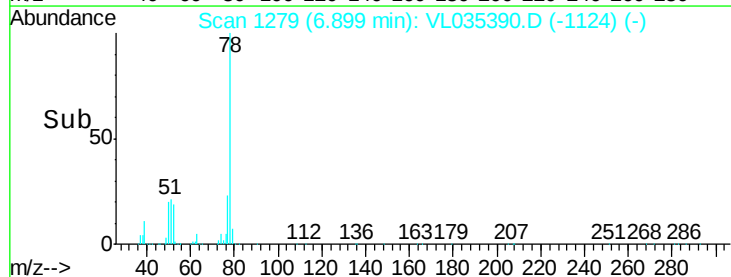
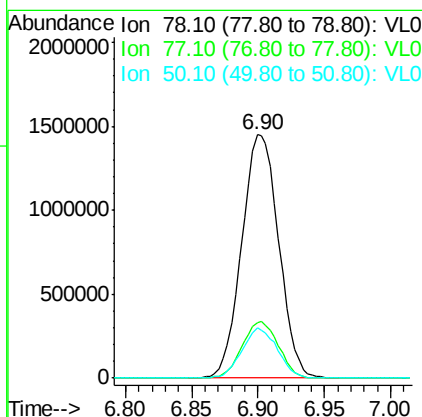
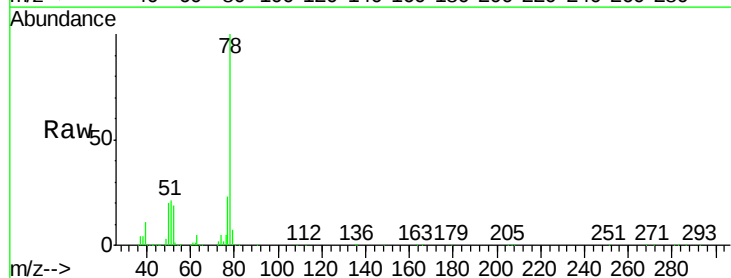
Manual Integrations
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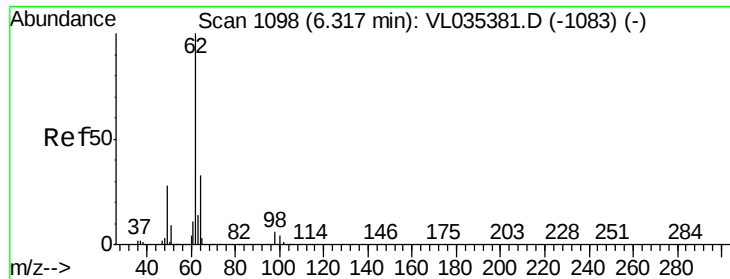
MMDadoda
8/17/2020 5:44:02 PM



#36
Benzene
Concen: 8.773 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7
50	20.4	15.8	23.6





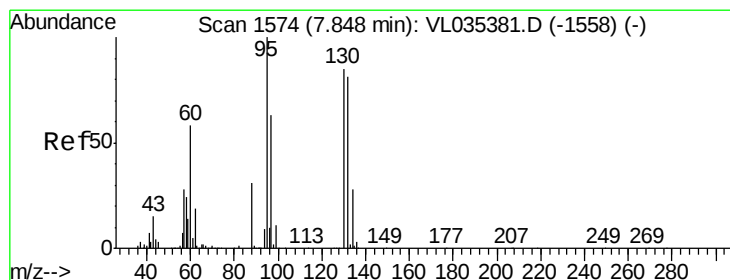
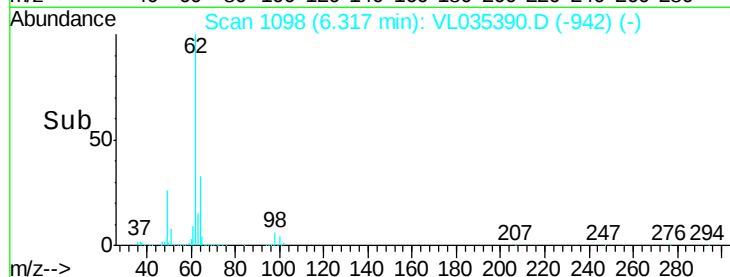
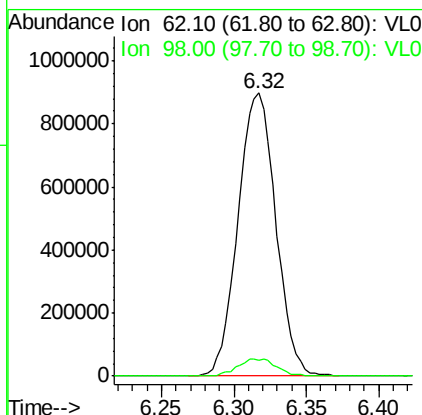
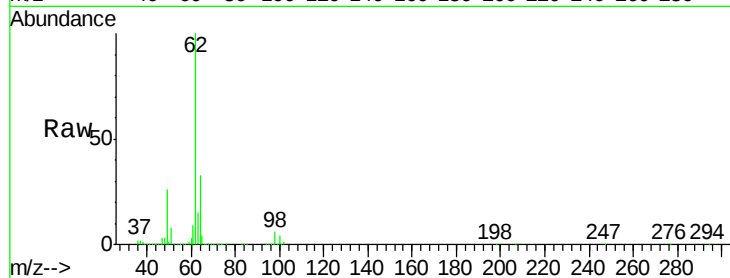
#37
 1,2-Dichloroethane
 Concen: 9.160 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.1	7.7

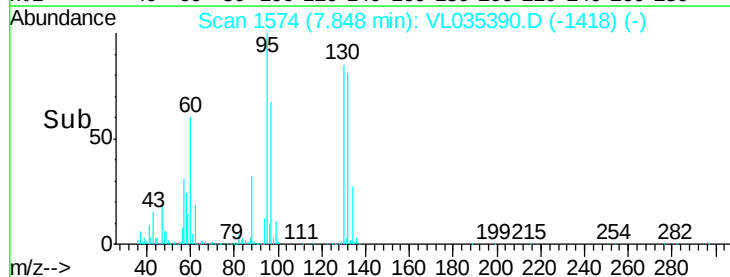
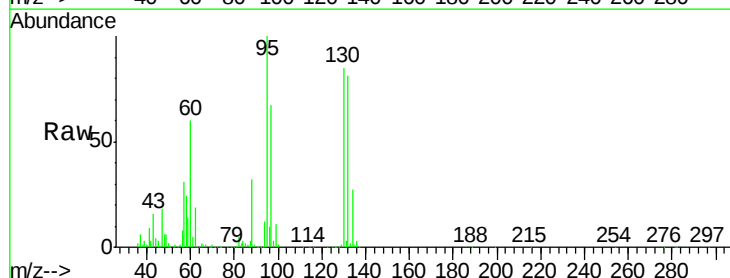
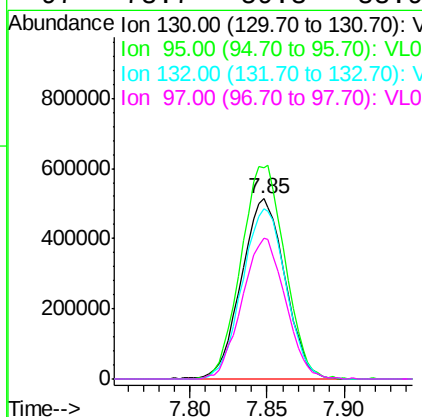
Manual Integrations
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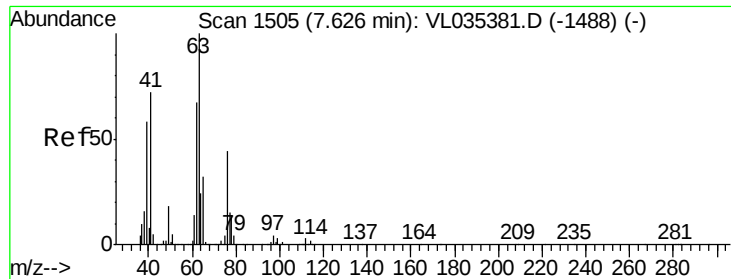
MMDadoda
 8/17/2020 5:44:02 PM



#38
 Trichloroethene
 Concen: 7.958 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	117.5	94.2	141.4
132	94.7	76.6	114.8
97	78.7	59.3	88.9





#39

1,2-Dichloropropane

Concen: 8.817 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 63 Resp: 1117579

Ion Ratio Lower Upper

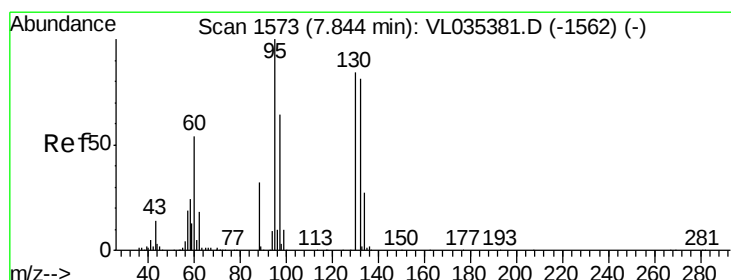
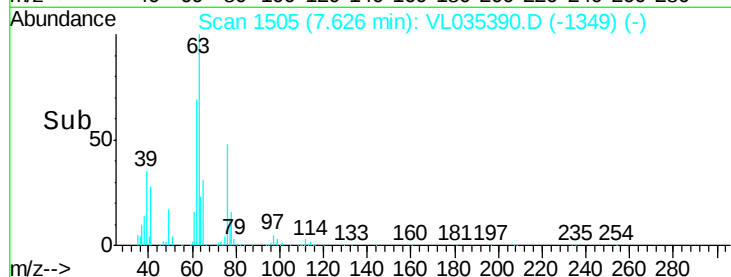
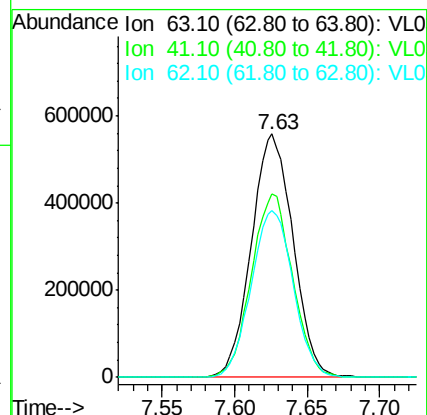
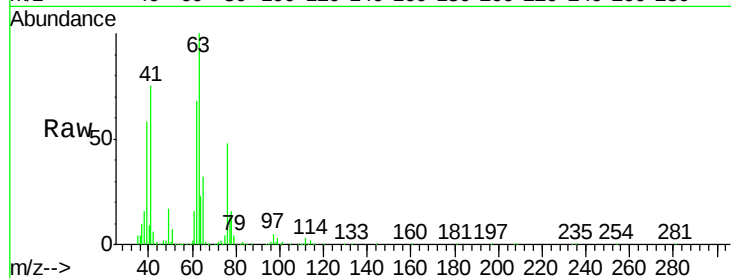
63 100

41 75.3 57.4 86.2

62 68.5 53.6 80.4

Manual Integrations
APPROVED

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8/17/2020 5:44:02 PM



#40

1,4-Dioxane

Concen: 8.932 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion: 88 Resp: 461107

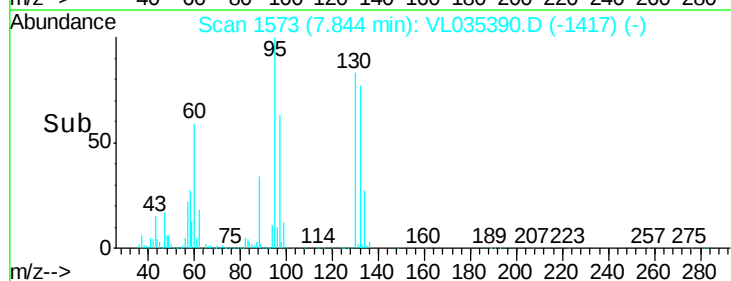
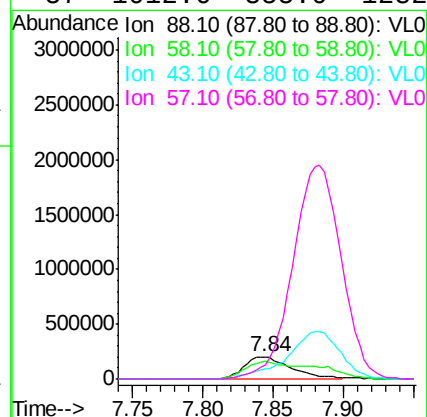
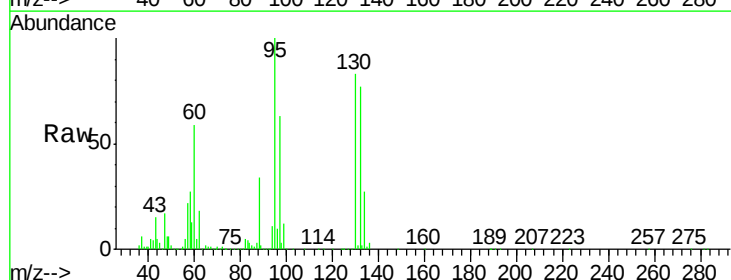
Ion Ratio Lower Upper

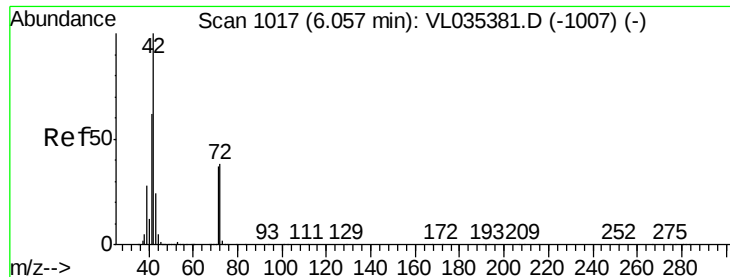
88 100

58 125.6 105.0 157.6

43 244.9 204.2 306.2

57 1012.6 855.0 1282.4





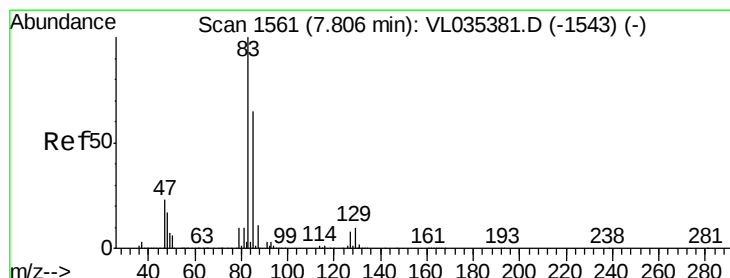
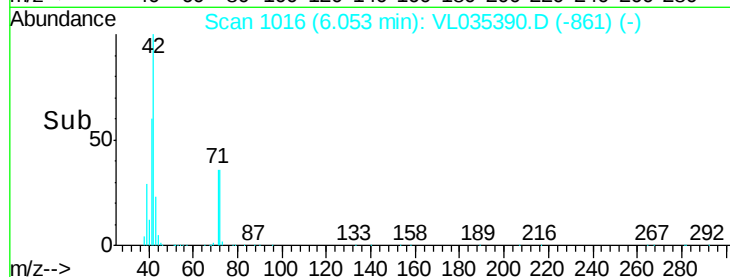
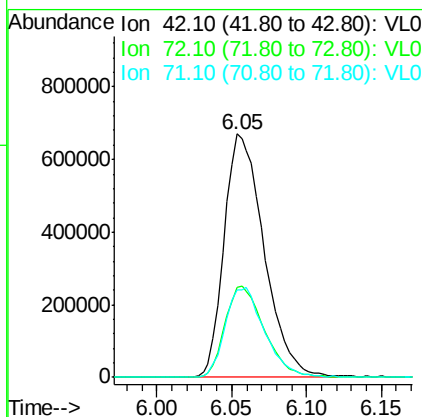
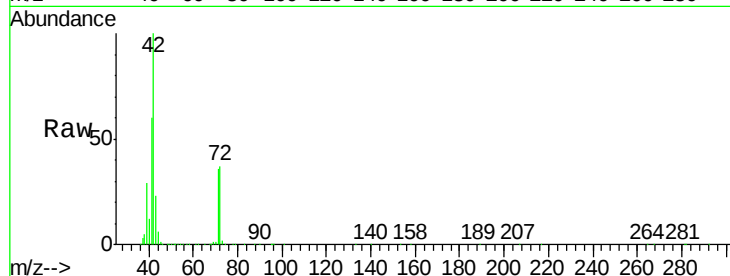
#41
Tetrahydrofuran
Concen: 8.753 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	30.2	45.2
71	36.6	28.6	42.8

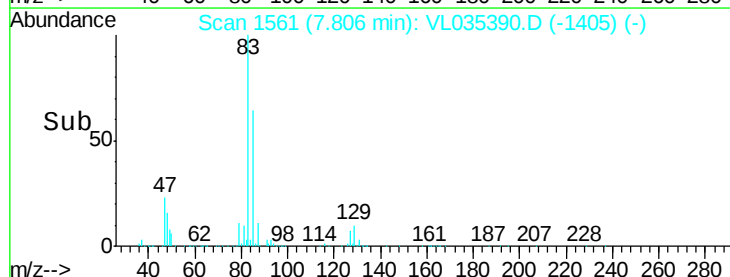
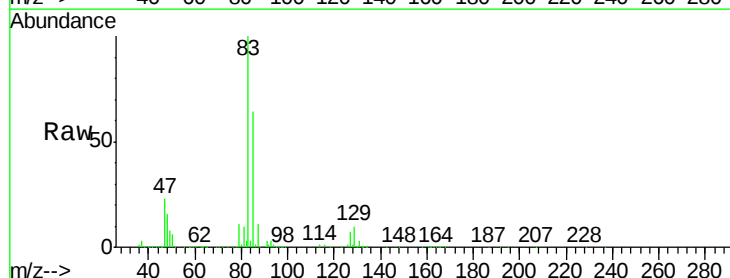
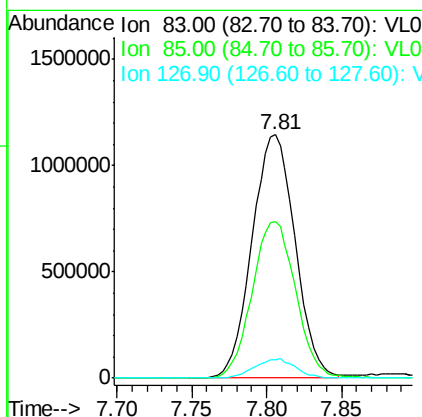
Manual Integrations
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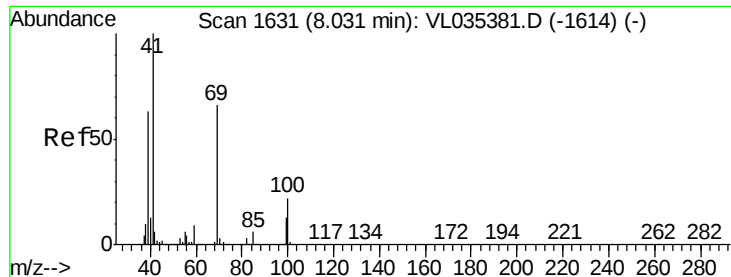
MMDadoda
8/17/2020 5:44:02 PM



#42
Bromodichloromethane
Concen: 9.179 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.4
127	7.5	6.3	9.5





#43

Methyl Methacrylate

Concen: 9.063 ppbv

RT: 8.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L

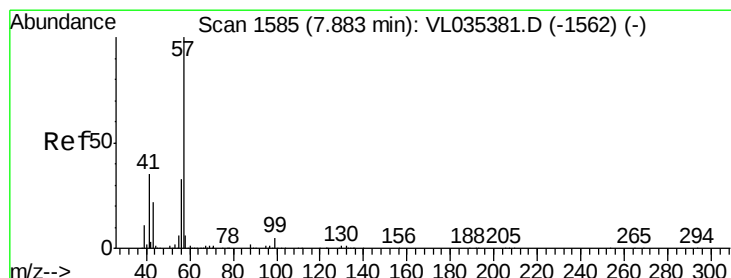
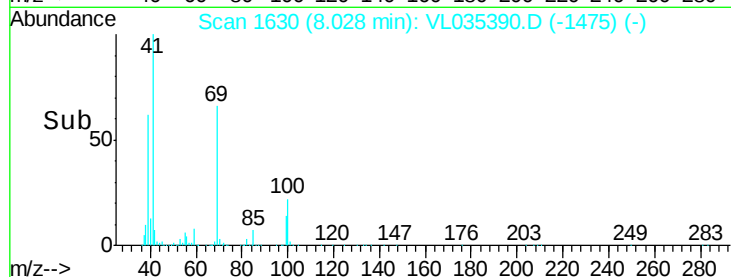
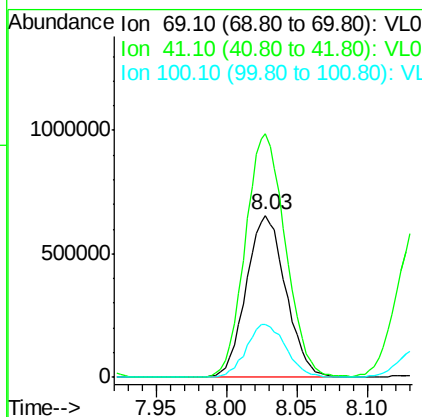
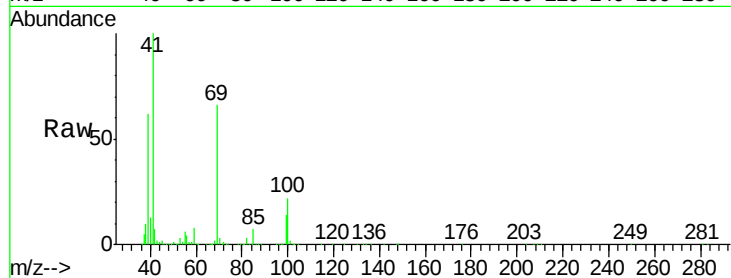
ClientSampleId :
ICVVL081220

Tot Ion: 69 Resp: 1286972

Ion	Ratio	Lower	Upper
69	100		
41	152.3	123.4	185.2
100	33.0	26.7	40.1

Manual Integrations
APPROVED

MMDadoda
8/17/2020 5:44:02 PM



#44

2,2,4-Trimethylpentane

Concen: 8.438 ppbv

RT: 7.88 min Scan# 1585

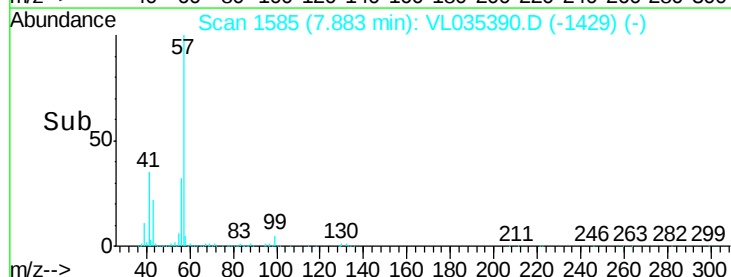
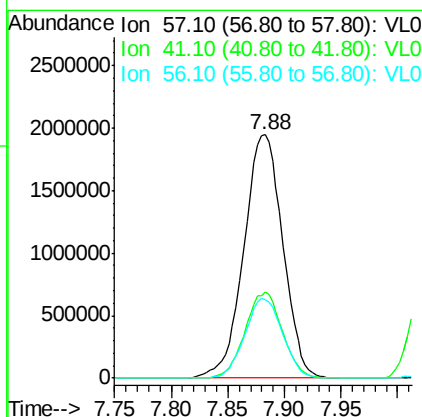
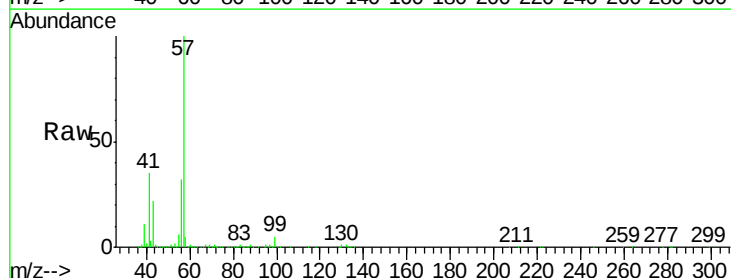
Delta R.T. 0.00 min

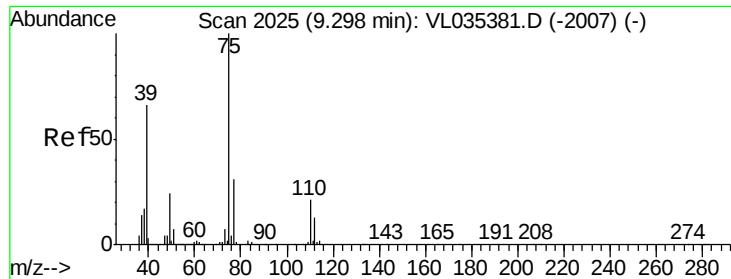
Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion: 57 Resp: 4646349

Ion	Ratio	Lower	Upper
57	100		
41	33.8	26.9	40.3
56	31.7	25.6	38.4





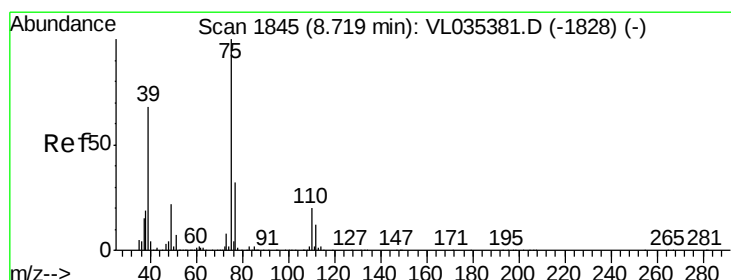
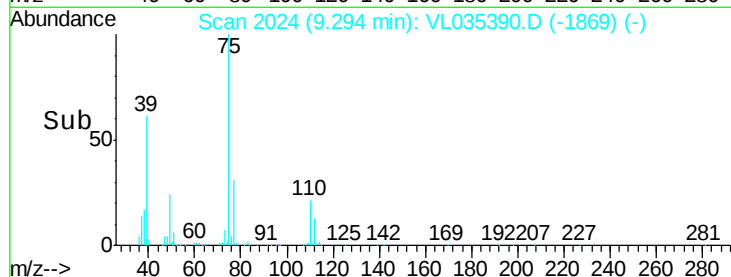
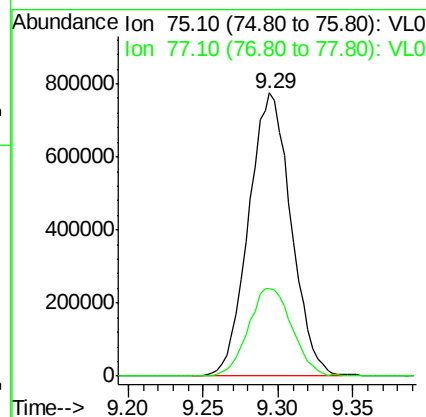
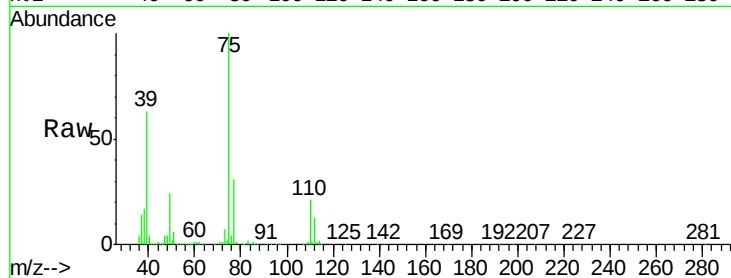
#45
 t-1,3-Dichloropropene
 Concen: 9.282 ppbv
 RT: 9.29 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Tot Ion: 75 Resp: 1529380
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.2 37.8

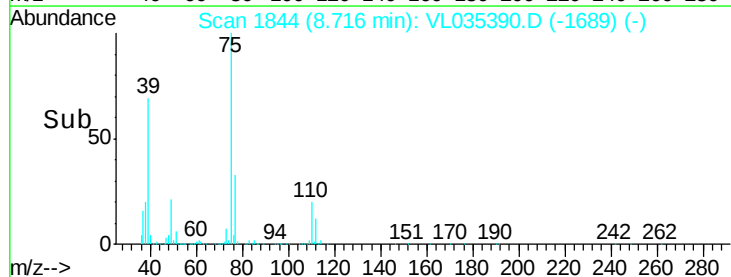
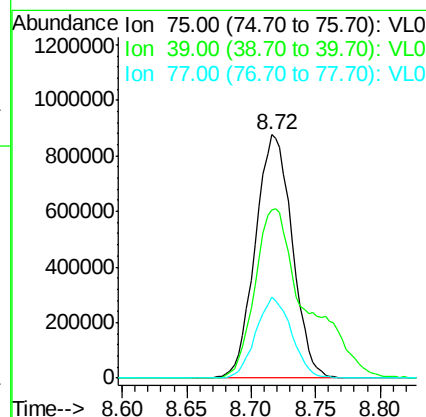
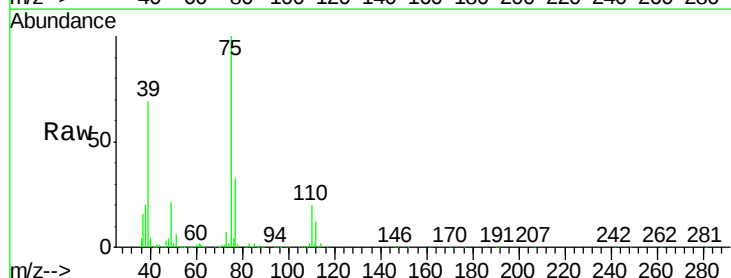
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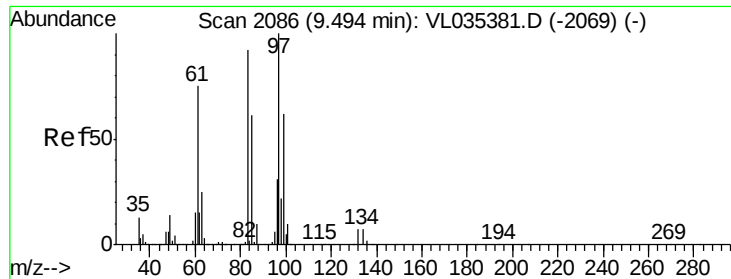
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 9.096 ppbv
 RT: 8.72 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion: 75 Resp: 1750615
 Ion Ratio Lower Upper
 75 100
 39 69.0 54.2 81.2
 77 33.3 25.7 38.5





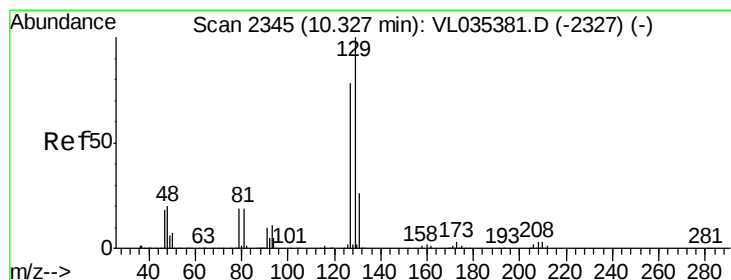
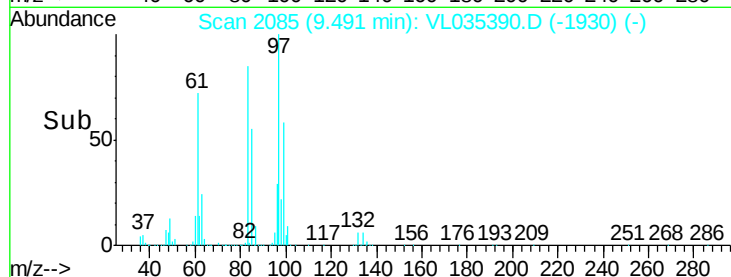
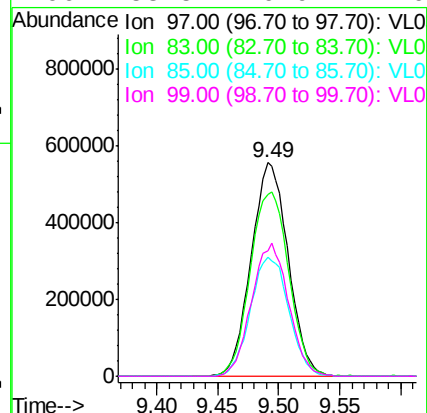
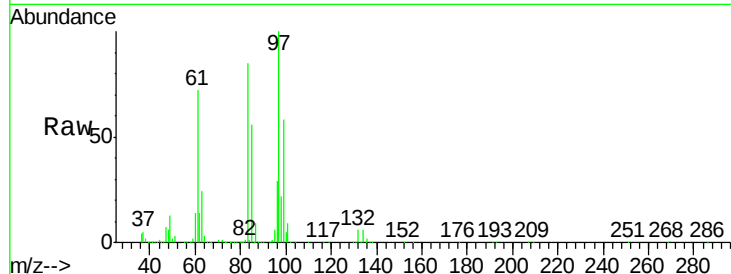
#47
 1,1,2-Trichloroethane
 Concen: 9.039 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.1	73.9	110.9
85	55.5	49.0	73.6
99	58.5	49.9	74.9

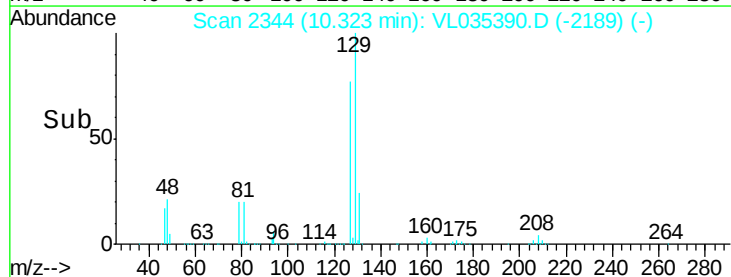
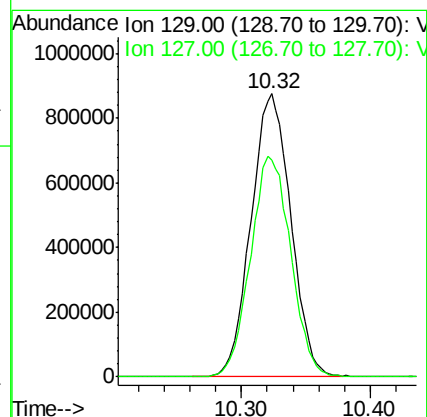
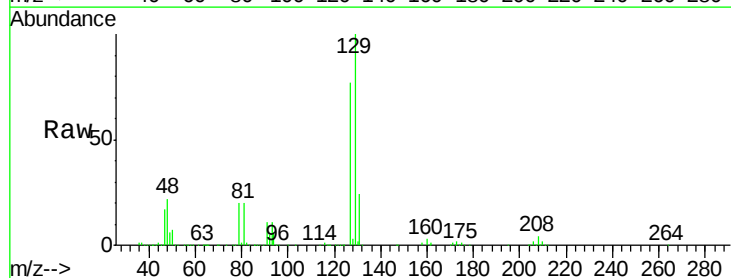
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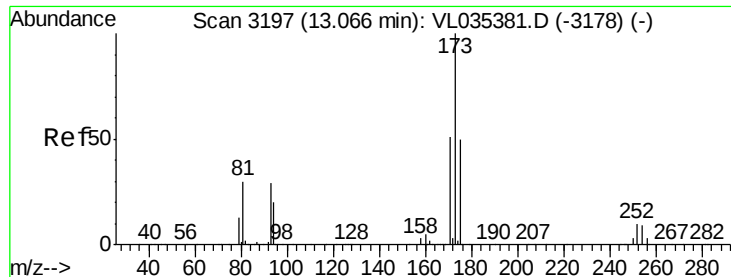
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#48
 Dibromochloromethane
 Concen: 9.162 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.3	117.8





#49

Bromoform

Concen: 9.384 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion:173 Resp: 1580808

Ion Ratio Lower Upper

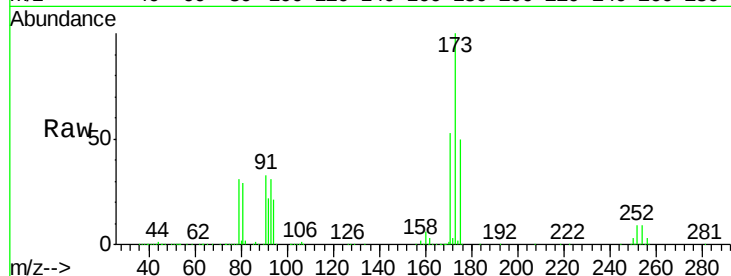
173 100

175 49.7 39.9 59.9

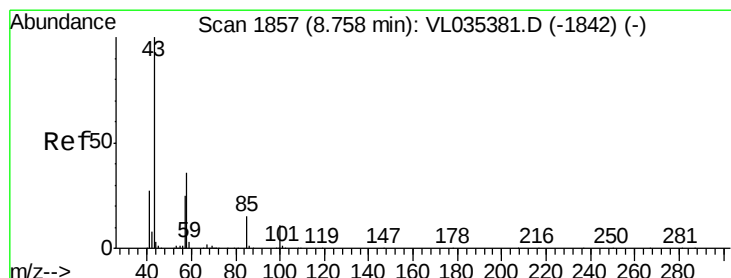
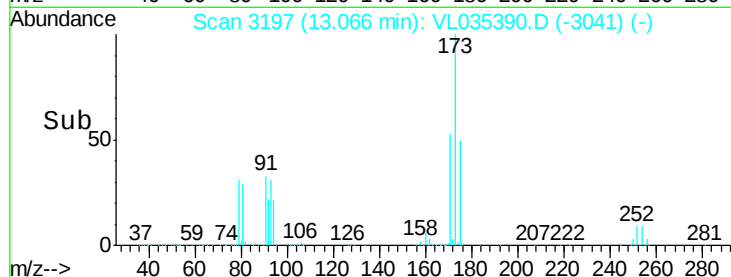
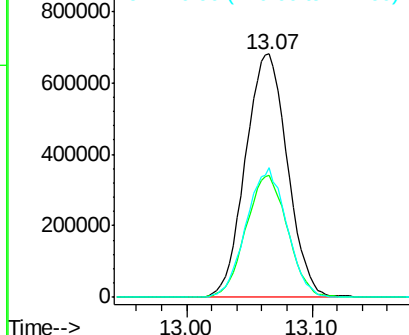
171 51.7 41.8 62.8

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.584 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL035390.D

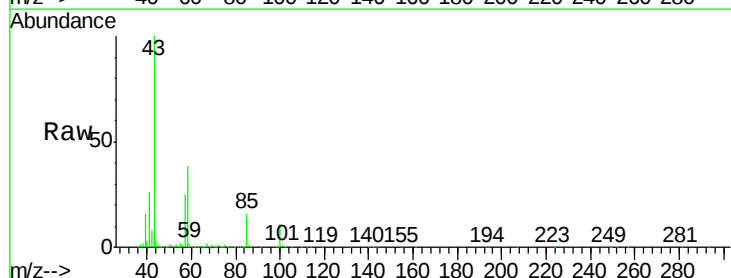
Acq: 12 Aug 2020 20:17

Tgt Ion: 43 Resp: 3077738

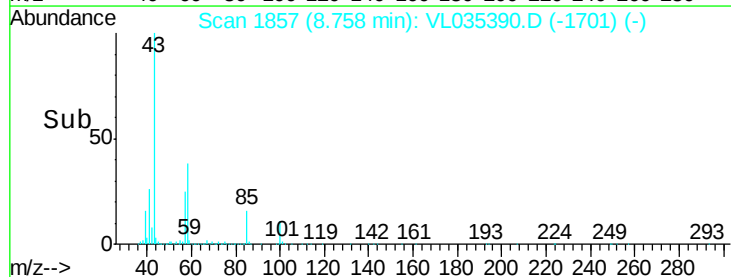
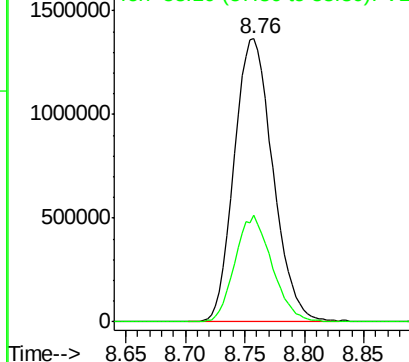
Ion Ratio Lower Upper

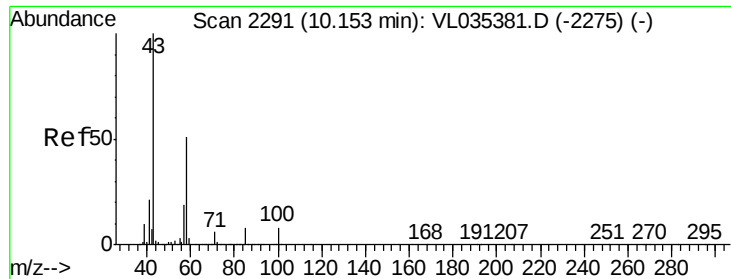
43 100

58 36.3 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 8.721 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 43 Resp: 2632475

Ion Ratio Lower Upper

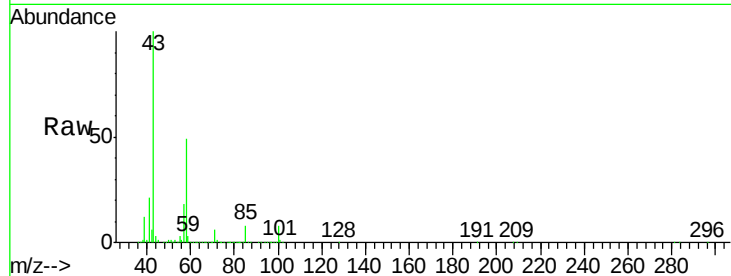
43 100

58 49.2 39.5 59.3

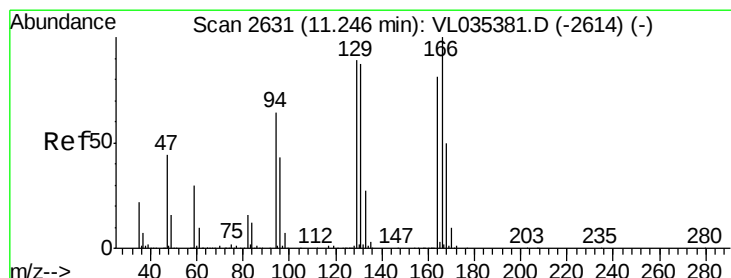
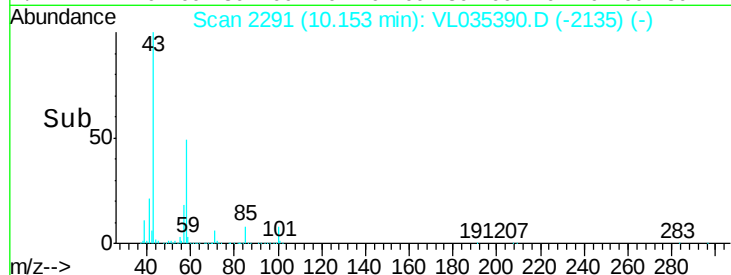
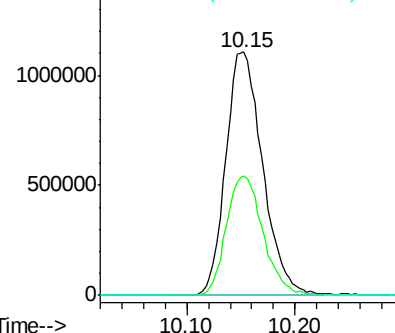
98 0.1 0.1 0.1

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.021 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion: 164 Resp: 910485

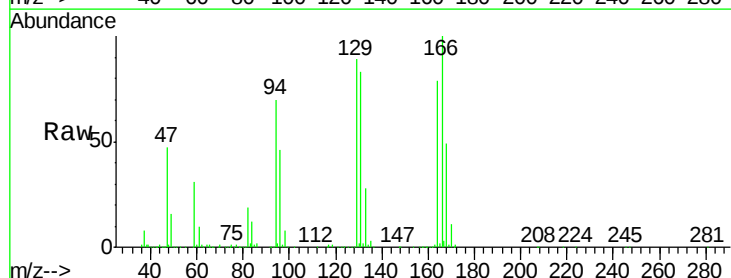
Ion Ratio Lower Upper

164 100

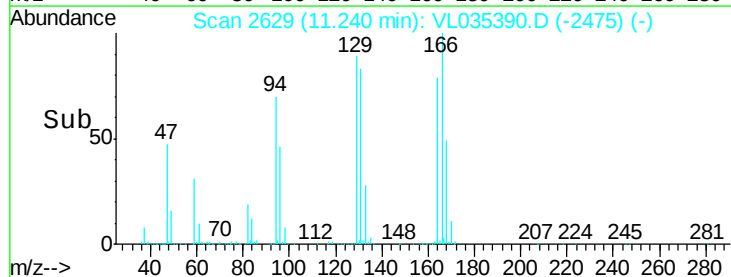
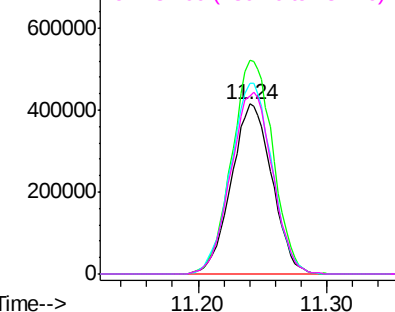
166 125.9 98.2 147.2

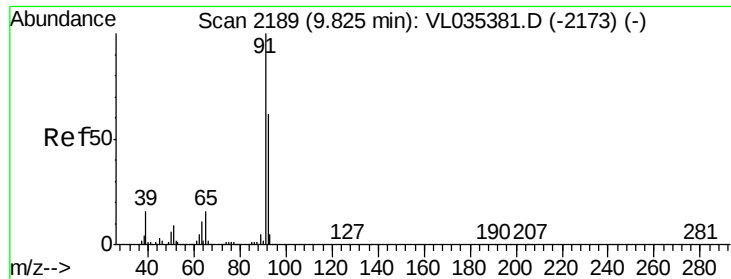
129 112.6 87.3 130.9

131 104.8 85.7 128.5



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 8.637 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 91 Resp: 3281779

Ion Ratio Lower Upper

91 100

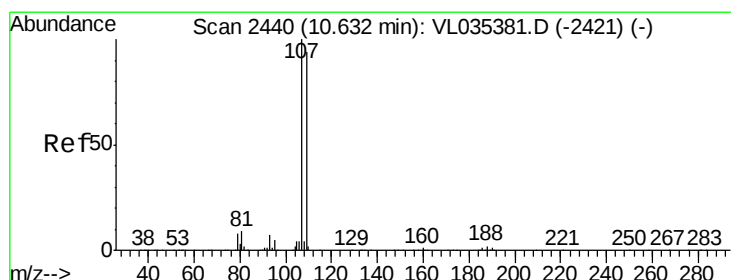
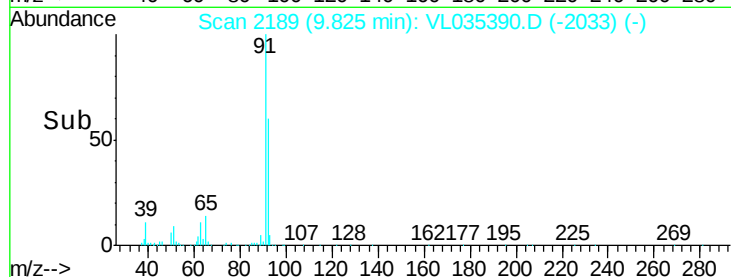
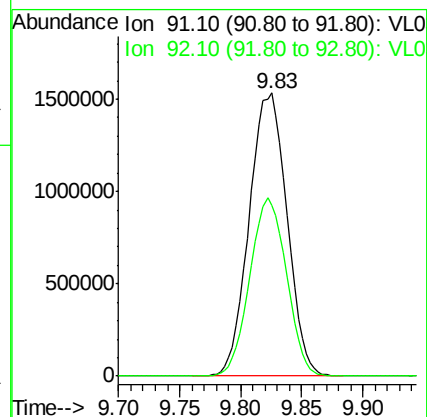
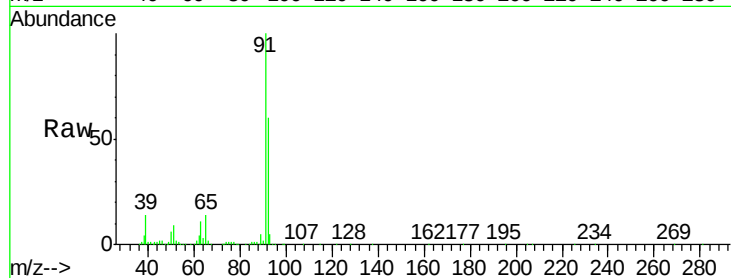
92 61.2 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 8.840 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.00 min

Lab File: VL035390.D

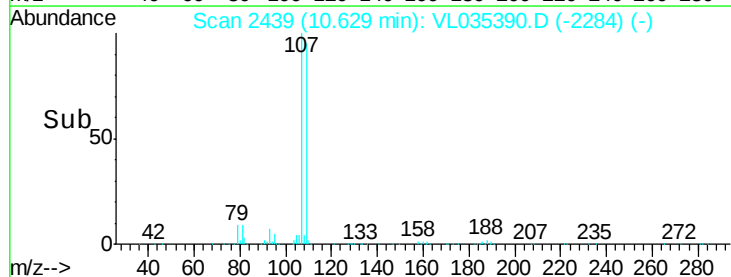
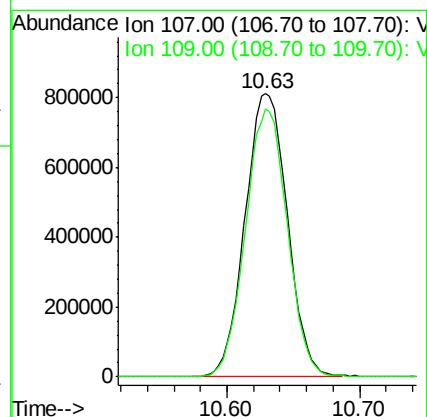
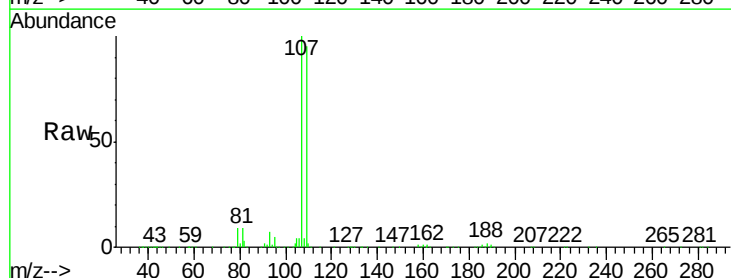
Acq: 12 Aug 2020 20:17

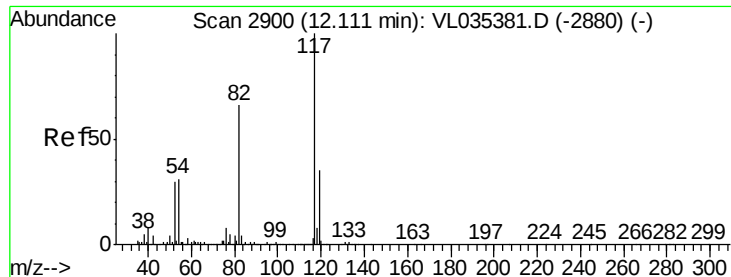
Tgt Ion: 107 Resp: 1799835

Ion Ratio Lower Upper

107 100

109 94.7 75.2 112.8





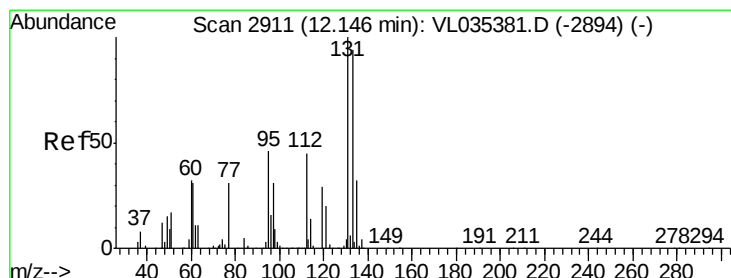
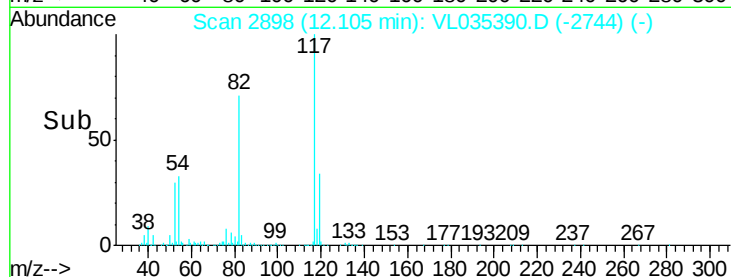
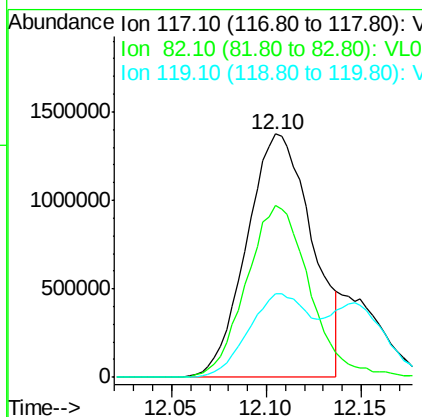
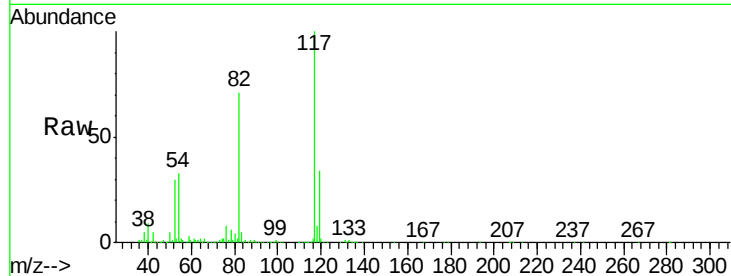
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.8	53.0	79.6
119	33.9	25.7	38.5

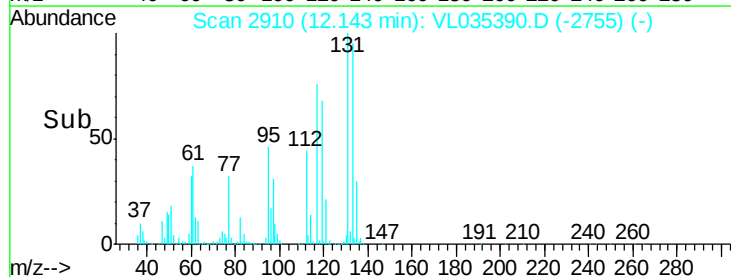
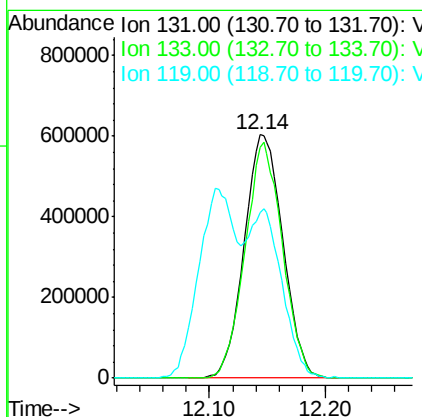
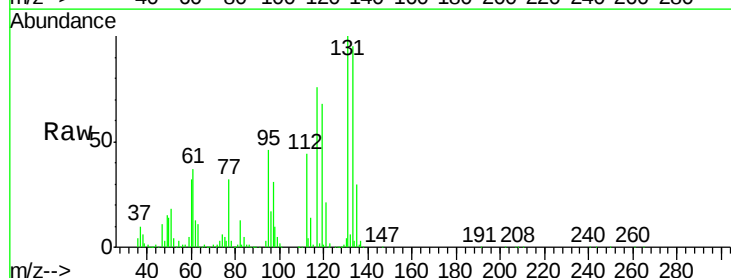
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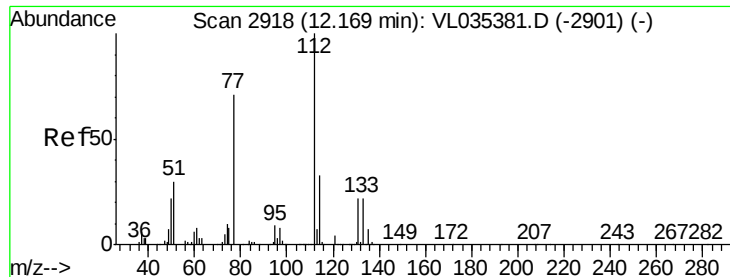
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.695 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	76.1	114.1
119	53.5	47.0	70.4





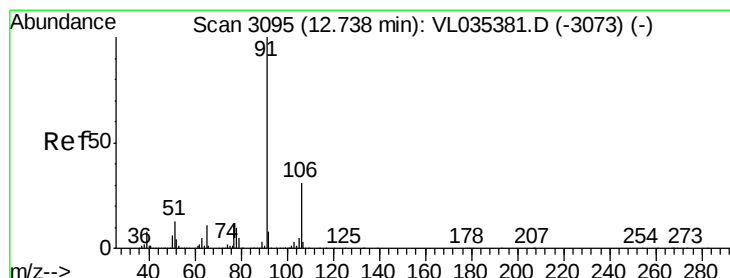
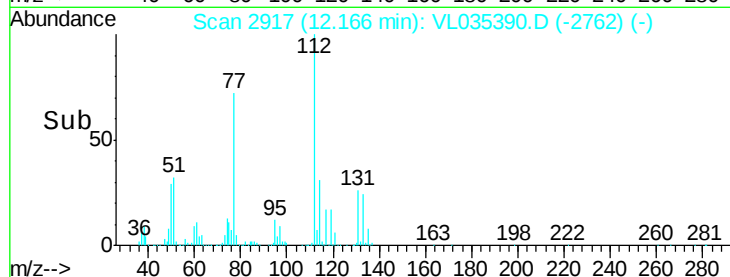
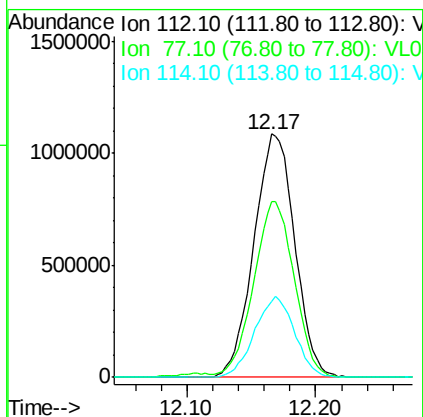
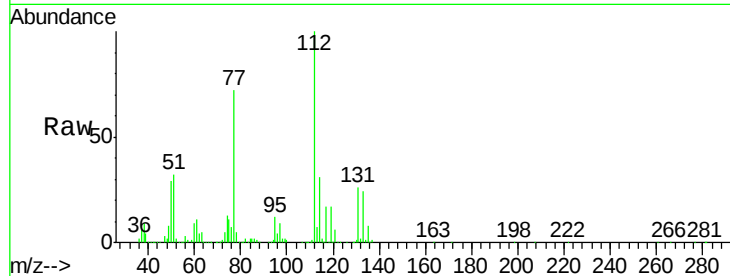
#57
Chlorobenzene
Concen: 8.493 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion	Ratio	Lower	Upper
112	100		
77	71.6	57.6	86.4
114	31.3	30.0	36.6

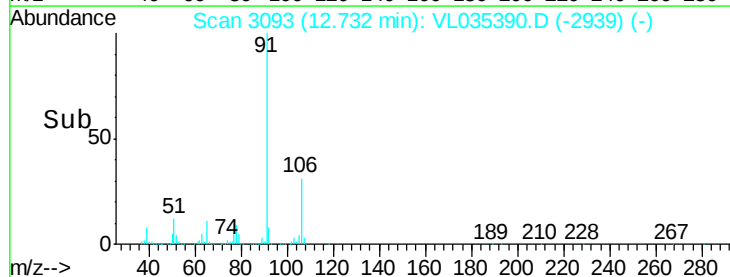
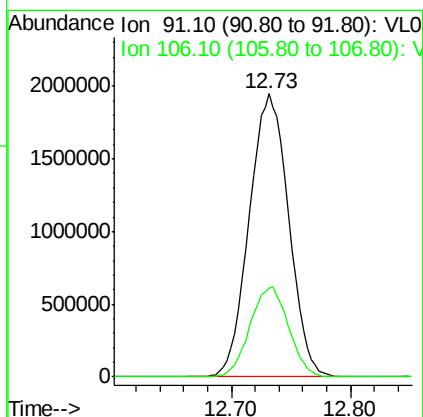
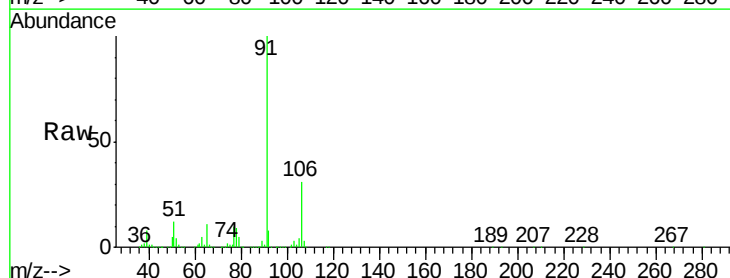
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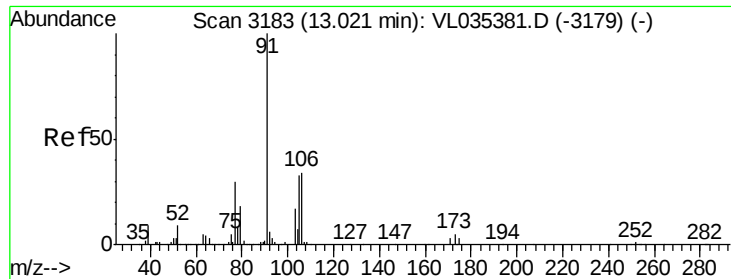
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#58
Ethyl Benzene
Concen: 8.539 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.1	37.7





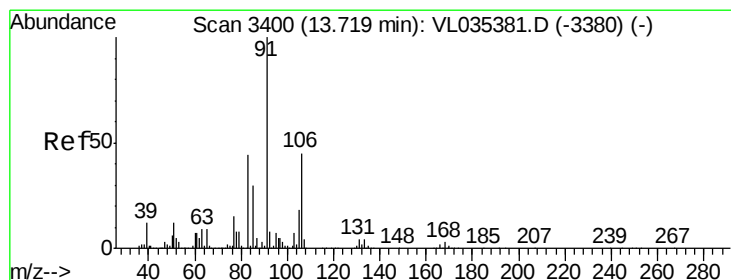
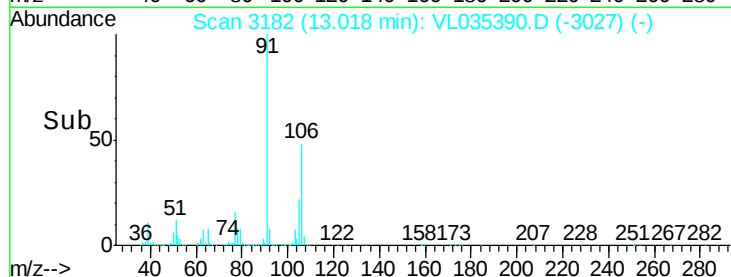
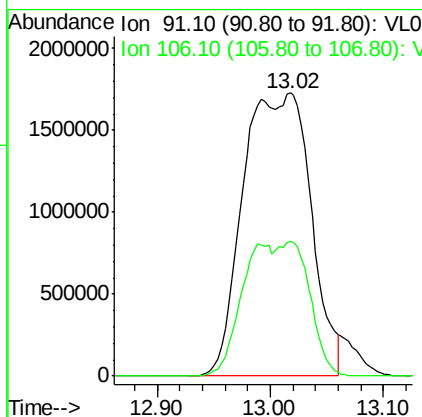
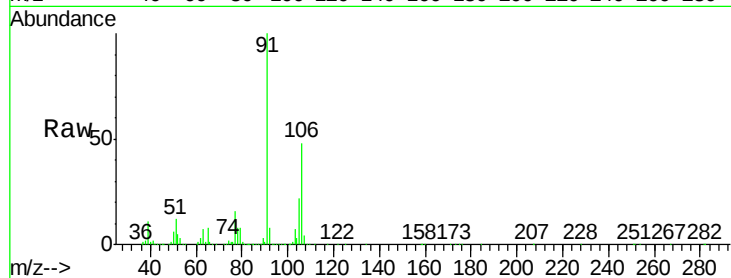
#59
m/p-Xylene
Concen: 16.496 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion: 91 Resp: 7185427
Ion Ratio Lower Upper
91 100
106 46.0 36.7 55.1

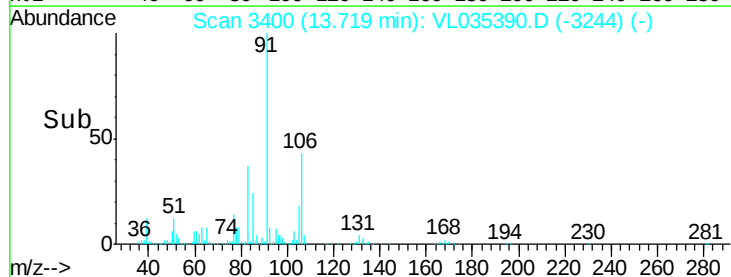
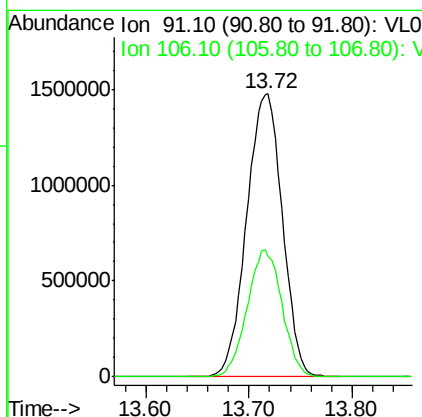
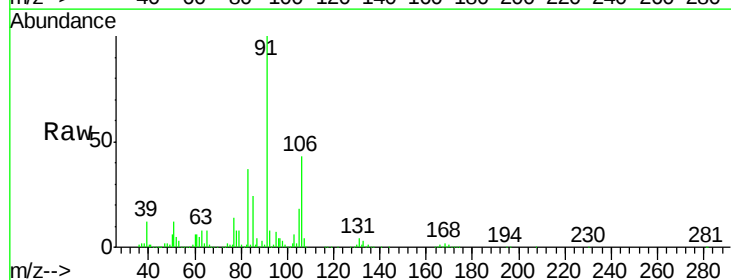
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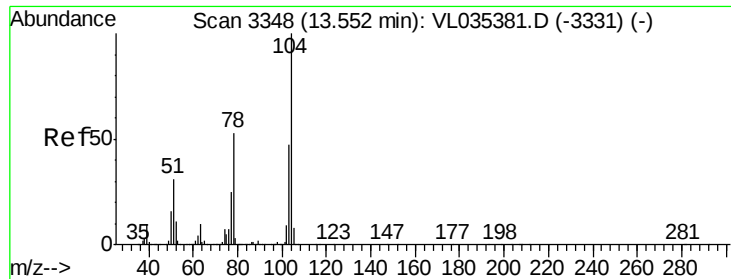
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#60
o-Xylene
Concen: 8.403 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 91 Resp: 3544484
Ion Ratio Lower Upper
91 100
106 43.8 22.2 66.6





#61

Stvrene

Concen: 8.690 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion:104 Resp: 2706056

Ion Ratio Lower Upper

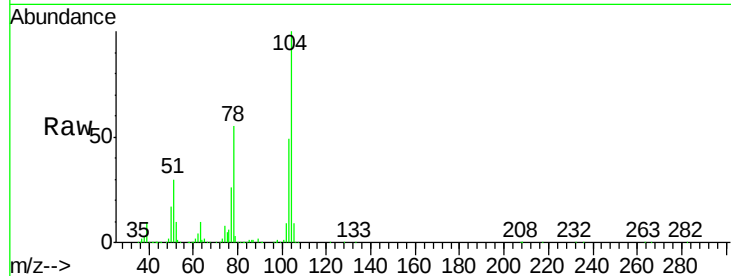
104 100

78 54.7 43.0 64.4

103 47.9 37.9 56.9

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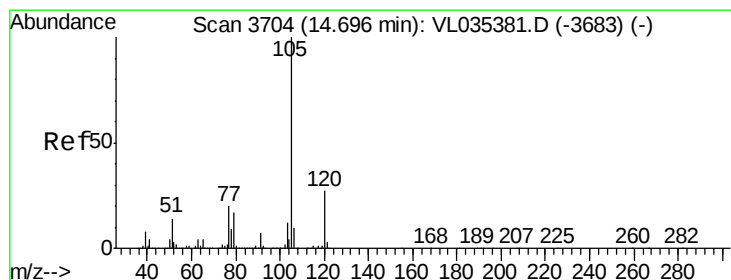
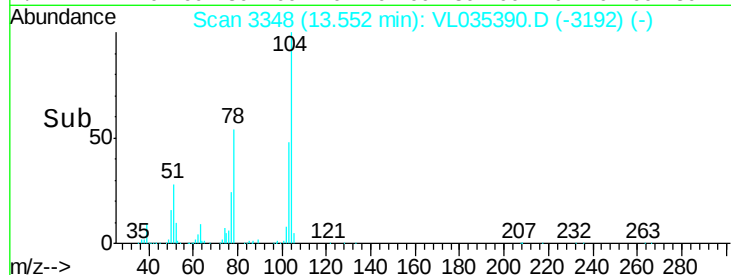
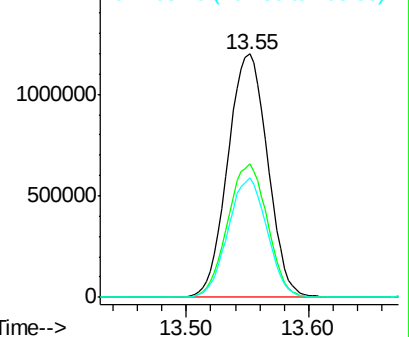
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.335 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL035390.D

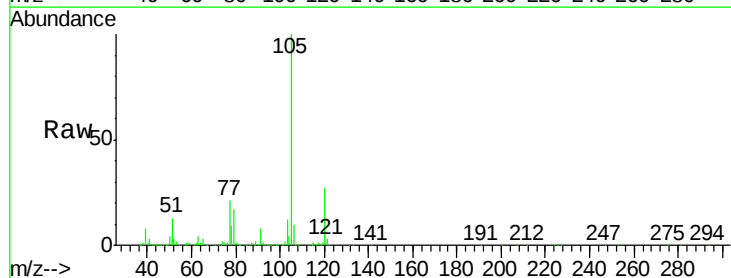
Acq: 12 Aug 2020 20:17

Tgt Ion:105 Resp: 5273532

Ion Ratio Lower Upper

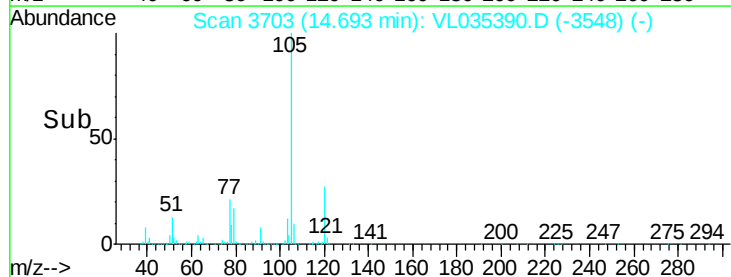
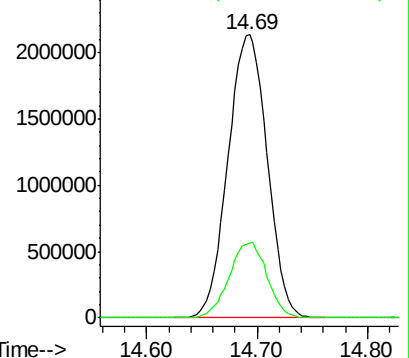
105 100

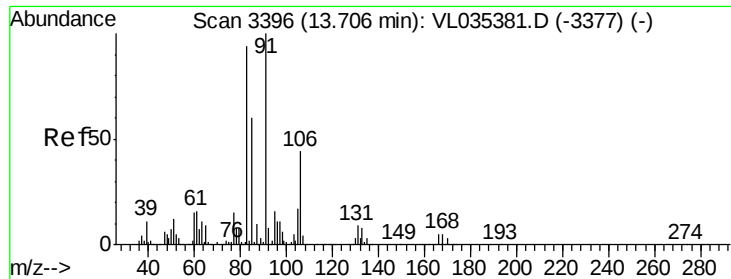
120 25.7 21.1 31.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.083 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion: 83 Resp: 2486976

Ion Ratio Lower Upper

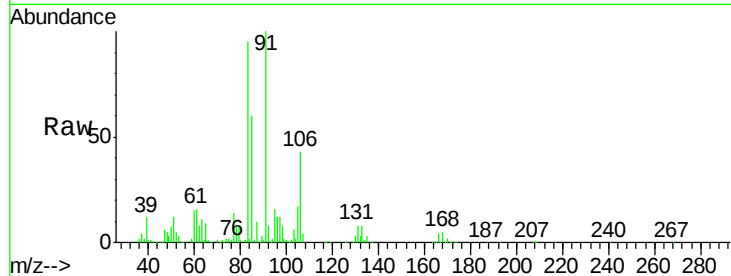
83 100

131 9.2 4.5 13.7

85 64.5 32.4 97.0

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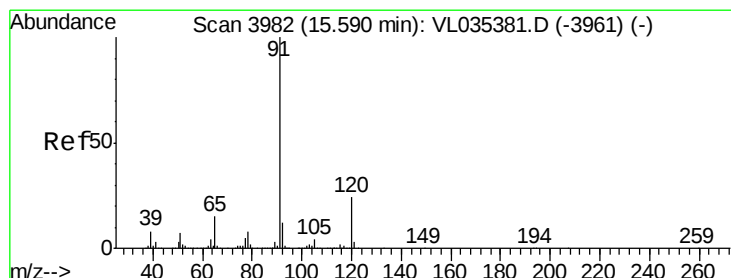
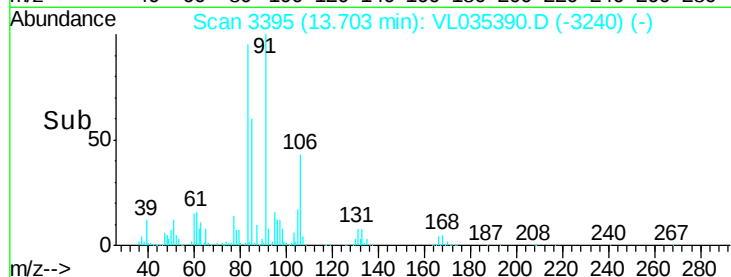
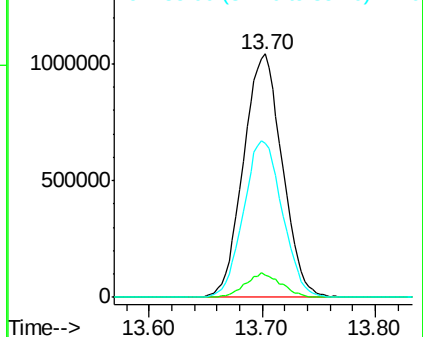
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.490 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. 0.00 min

Lab File: VL035390.D

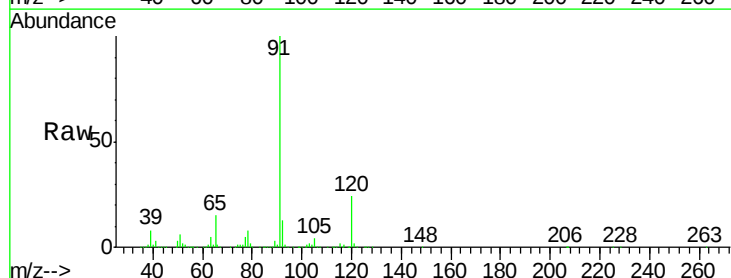
Acq: 12 Aug 2020 20:17

Tgt Ion: 120 Resp: 1417045

Ion Ratio Lower Upper

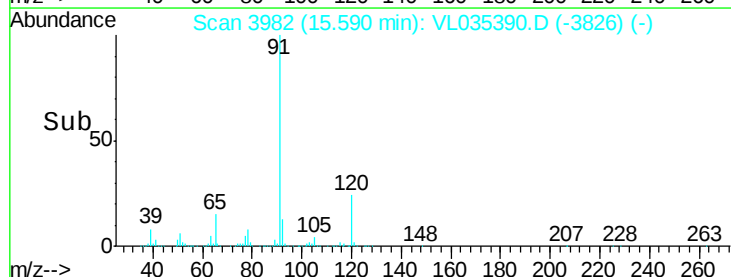
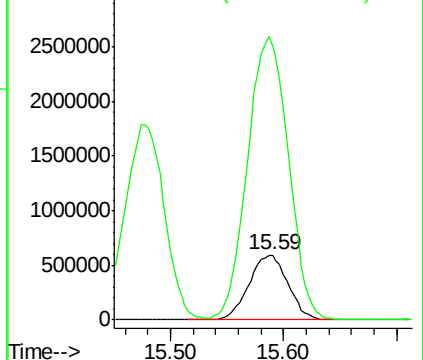
120 100

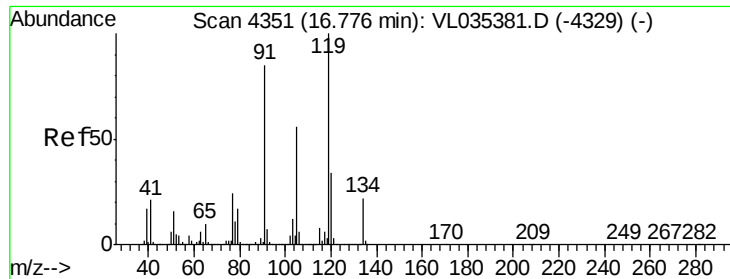
91 460.3 356.2 534.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





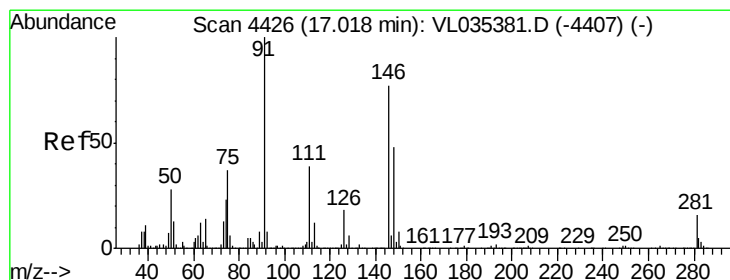
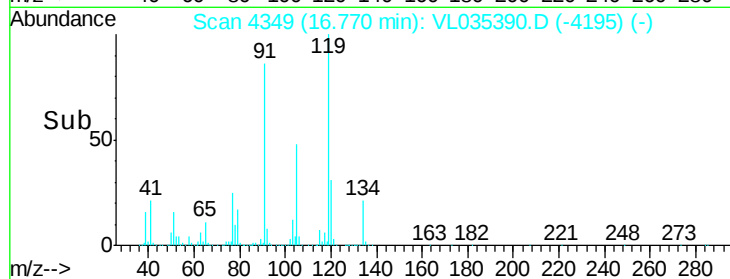
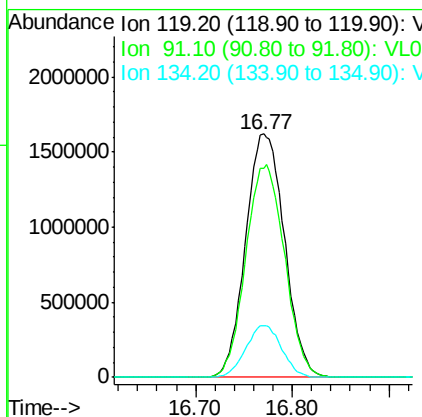
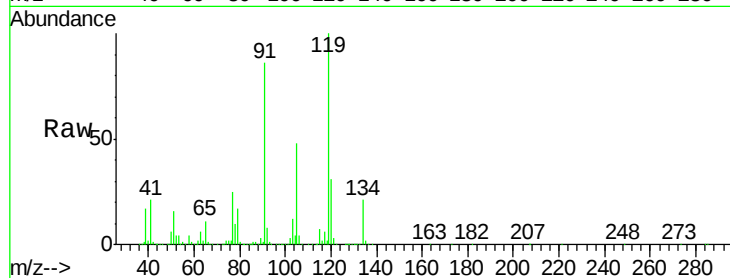
#65
tert-Butylbenzene
Concen: 8.107 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion:119 Resp: 4515490
Ion Ratio Lower Upper
119 100
91 87.5 68.2 102.4
134 19.8 16.2 24.4

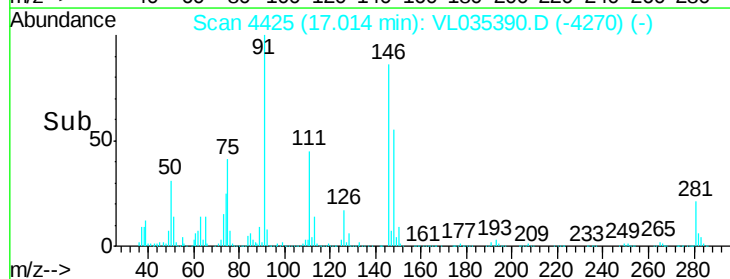
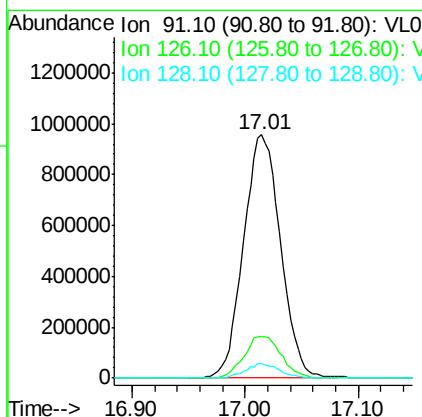
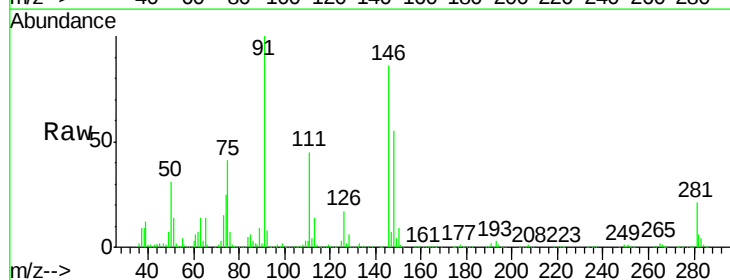
Manual Integrations
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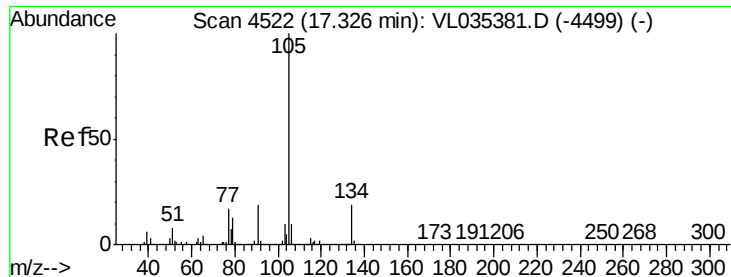
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#66
Benzyl Chloride
Concen: 8.664 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 91 Resp: 2179418
Ion Ratio Lower Upper
91 100
126 17.4 14.4 21.6
128 5.4 4.6 7.0





#67

sec-Butylbenzene

Concen: 8.181 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.01 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion:105 Resp: 6568984

Ion Ratio Lower Upper

105 100

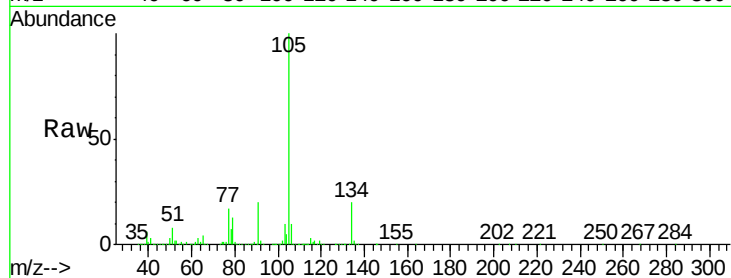
134 18.4 15.0 22.6

Manual Integrations

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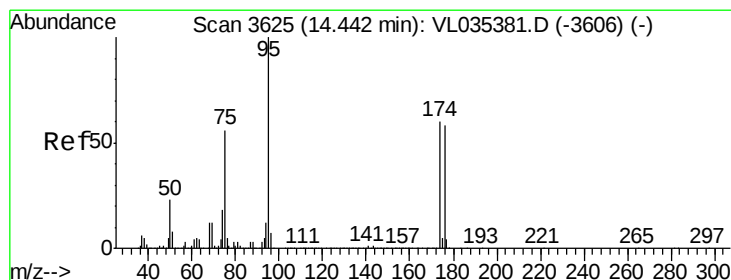
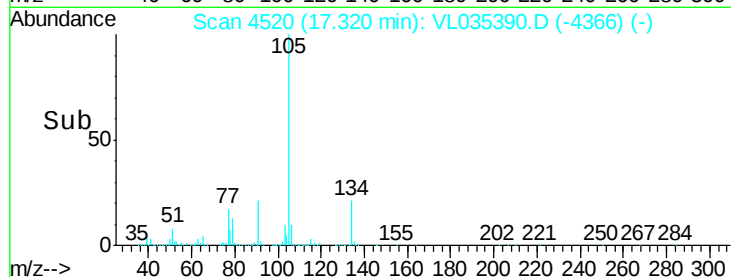
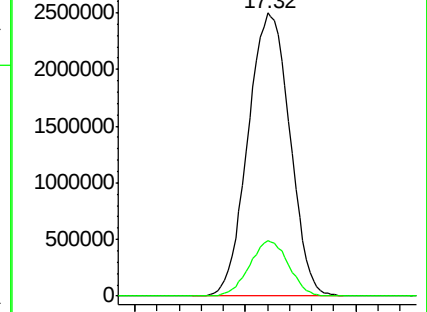
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.097 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

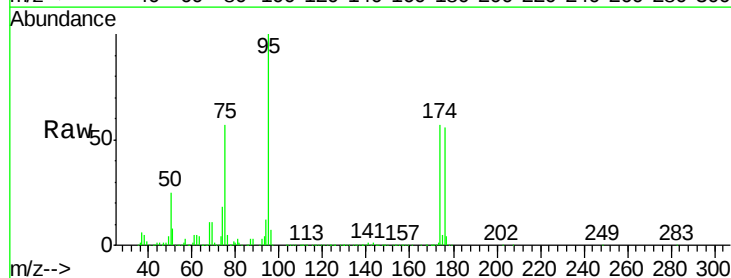
Tgt Ion: 95 Resp: 2694236

Ion Ratio Lower Upper

95 100

174 57.5 48.2 72.2

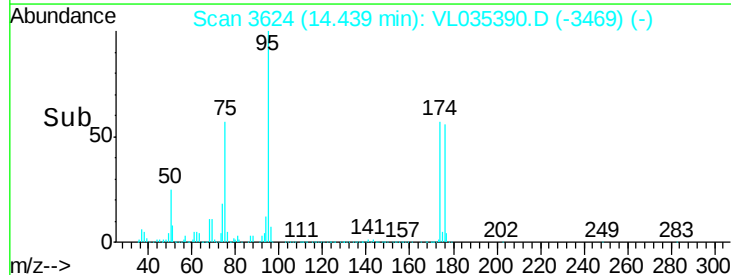
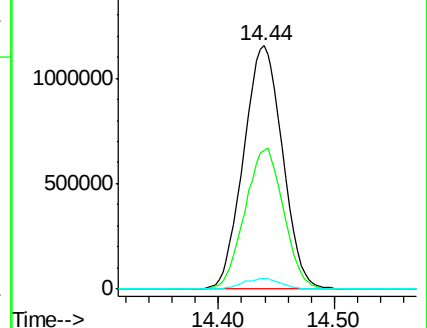
175 4.3 3.7 5.5

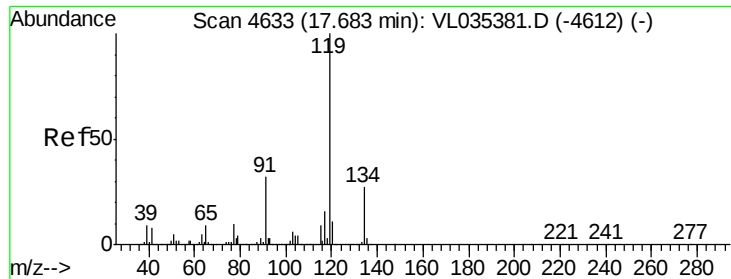


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





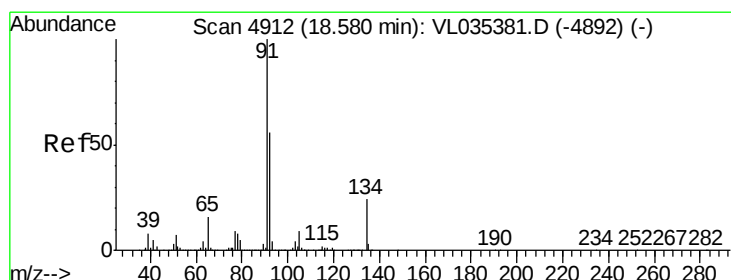
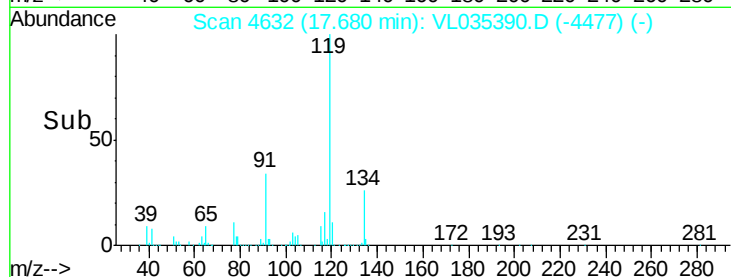
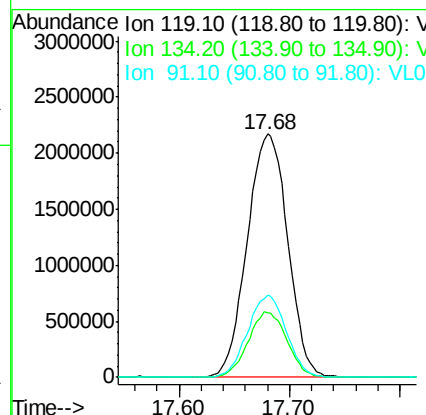
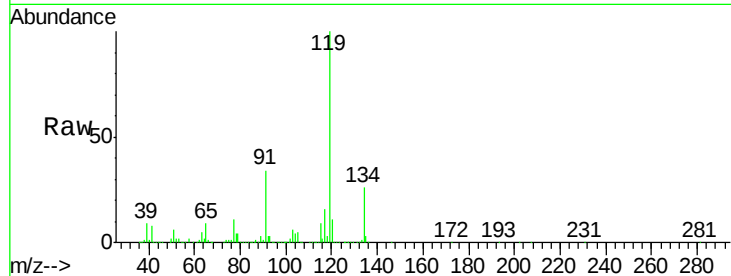
#69
 p-Isopropyltoluene
 Concen: 8.249 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.9	31.3
91	32.5	25.3	37.9

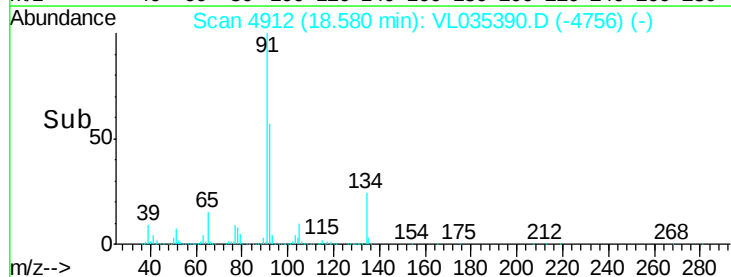
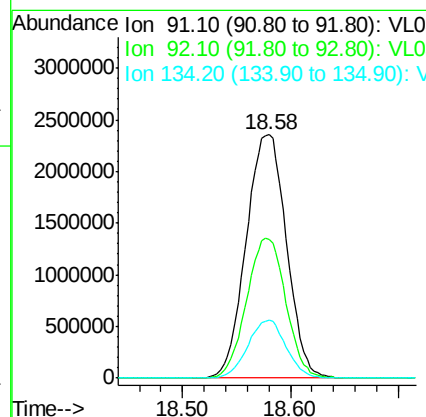
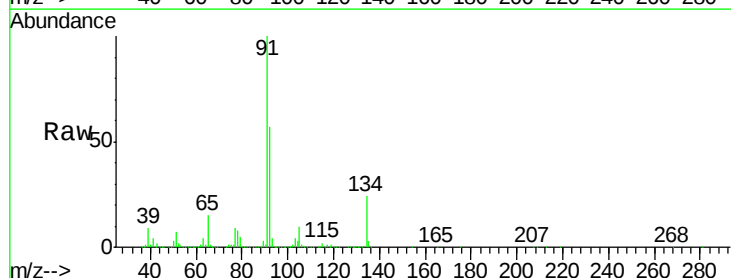
Manual Integrations
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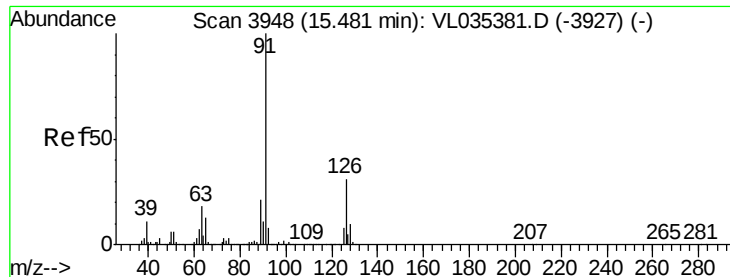
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#70
 n-Butylbenzene
 Concen: 8.246 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. 0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	45.0	67.6
134	22.6	18.8	28.2





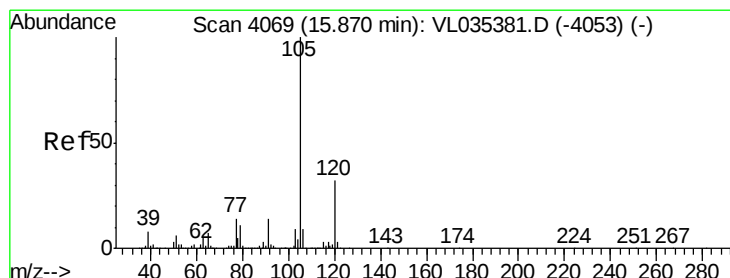
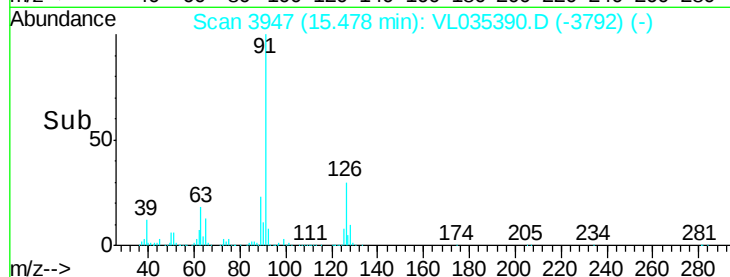
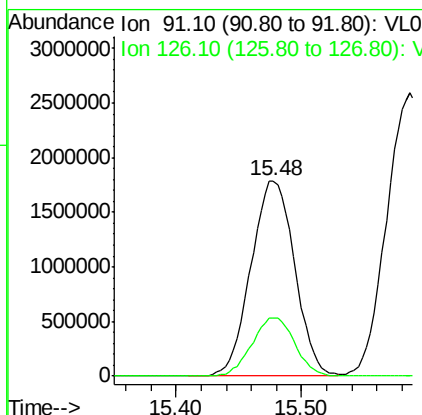
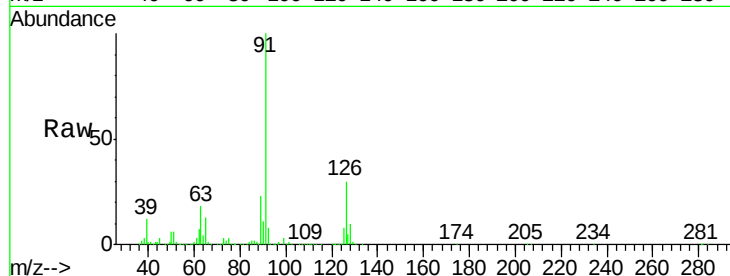
#71
2-Chlorotoluene
Concen: 8.497 ppbv
RT: 15.48 min Scan# 3947
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion: 91 Resp: 4327824
Ion Ratio Lower Upper
91 100
126 29.4 12.1 48.3

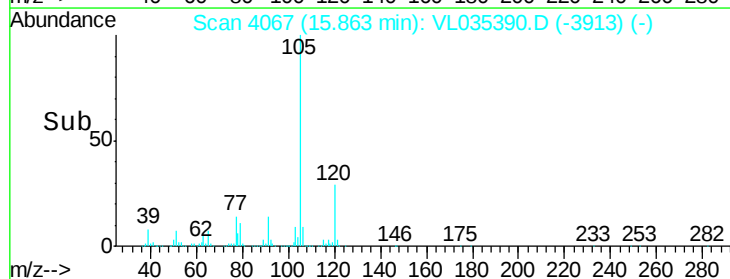
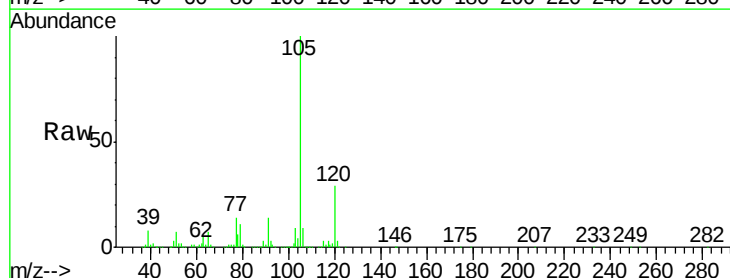
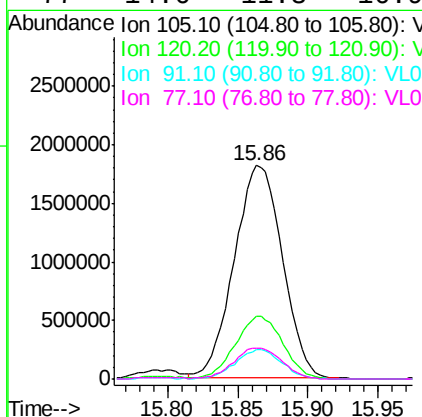
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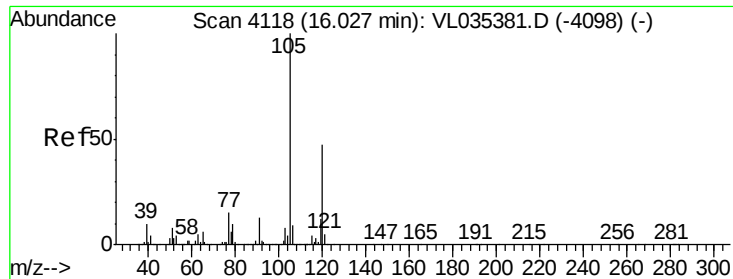
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#72
4-Ethyltoluene
Concen: 8.466 ppbv
RT: 15.86 min Scan# 4067
Delta R.T. -0.01 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion: 105 Resp: 4358868
Ion Ratio Lower Upper
105 100
120 29.0 24.0 36.0
91 13.4 10.4 15.6
77 14.6 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 8.540 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion:105 Resp: 4122577

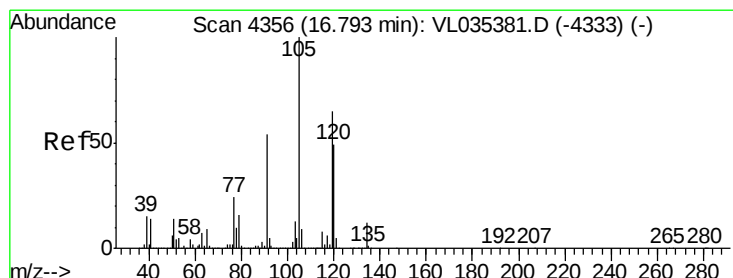
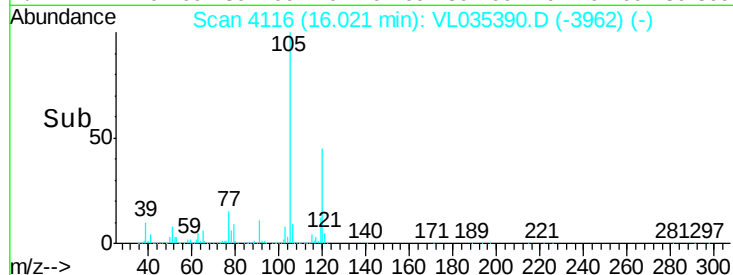
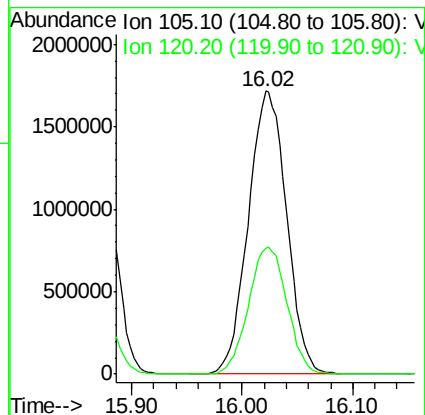
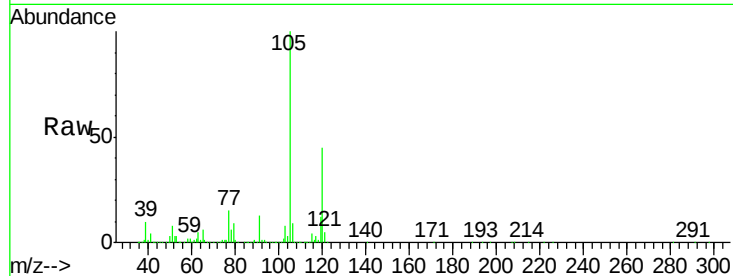
Ion Ratio Lower Upper

105 100

120 44.6 37.4 56.0

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 8.113 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.00 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Tgt Ion:105 Resp: 4118754

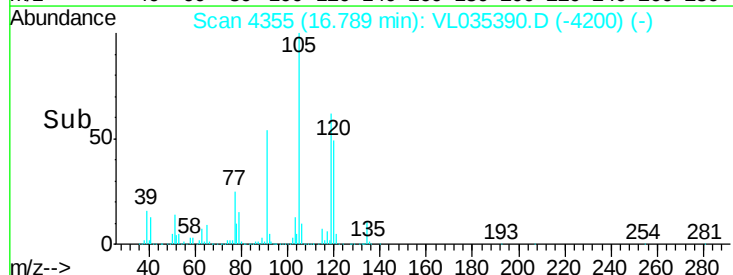
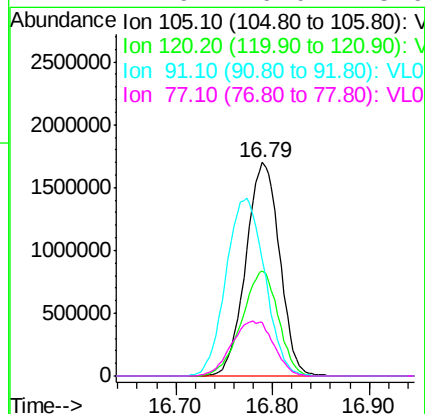
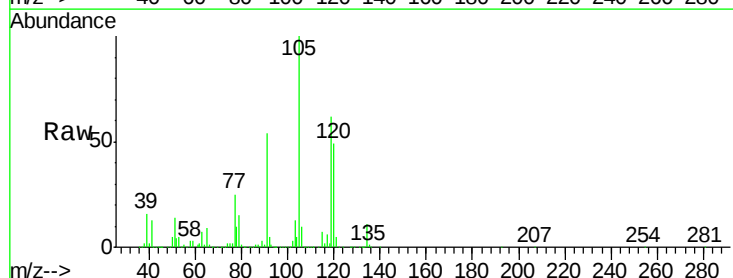
Ion Ratio Lower Upper

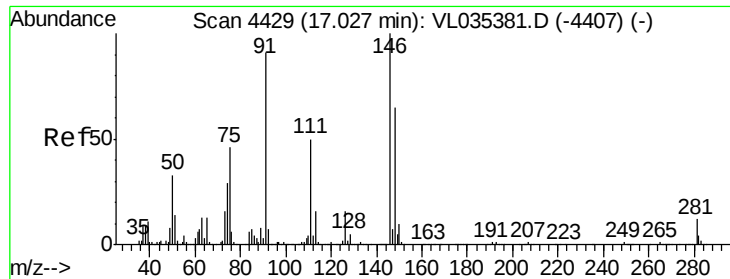
105 100

120 49.2 39.1 58.7

91 54.2 43.7 65.5

77 24.9 19.0 28.6





#75

1,3-Dichlorobenzene

Concen: 8.184 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081220

Tot Ion:146 Resp: 2267549

Ion Ratio Lower Upper

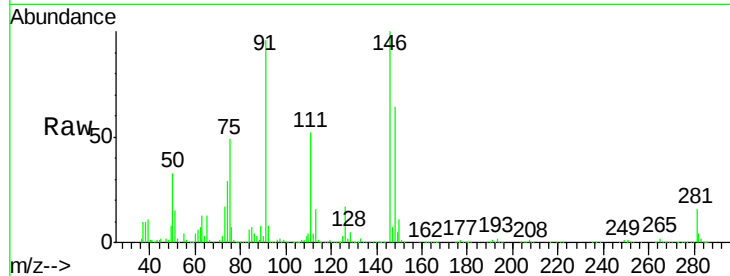
146 100

111 52.1 25.0 75.0

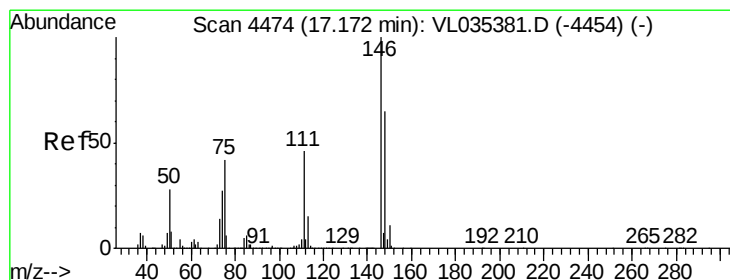
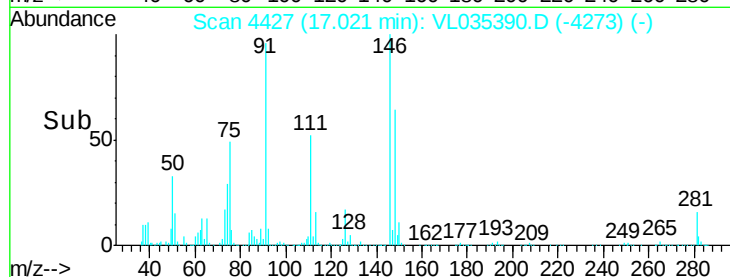
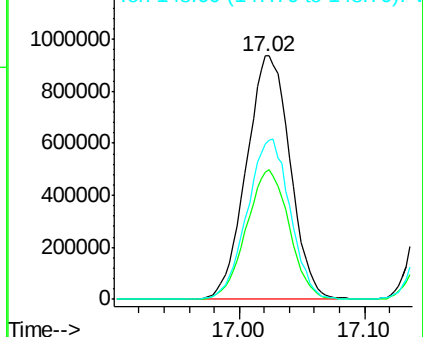
148 64.7 32.6 97.7

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



#76

1,4-Dichlorobenzene

Concen: 8.327 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. -0.01 min

Lab File: VL035390.D

Acq: 12 Aug 2020 20:17

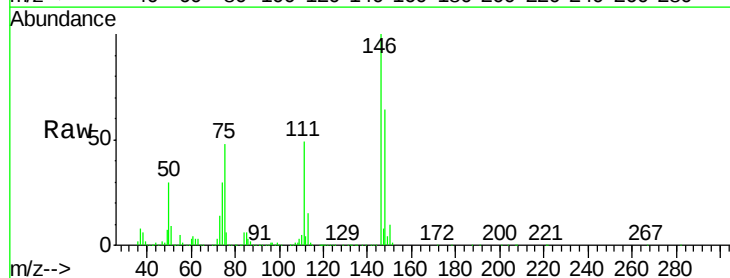
Tgt Ion:146 Resp: 2369756

Ion Ratio Lower Upper

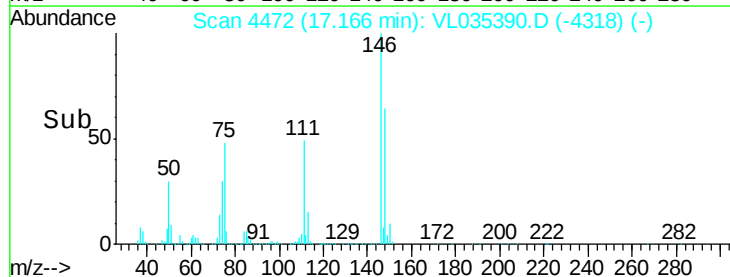
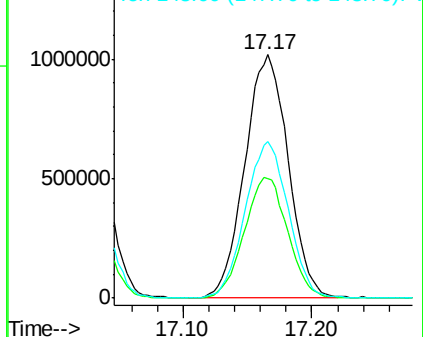
146 100

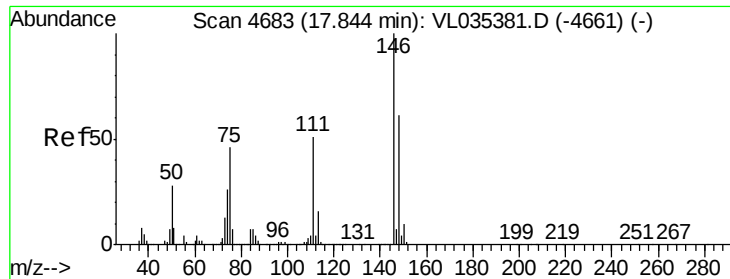
111 50.0 24.0 72.0

148 64.6 32.5 97.5



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





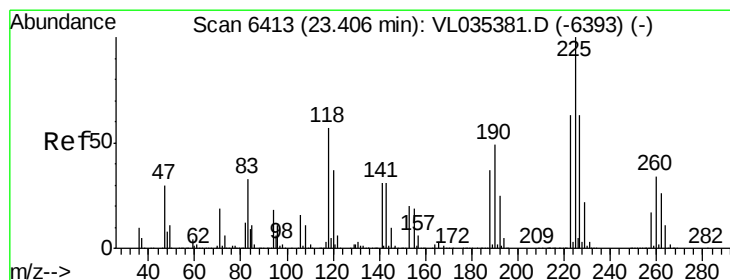
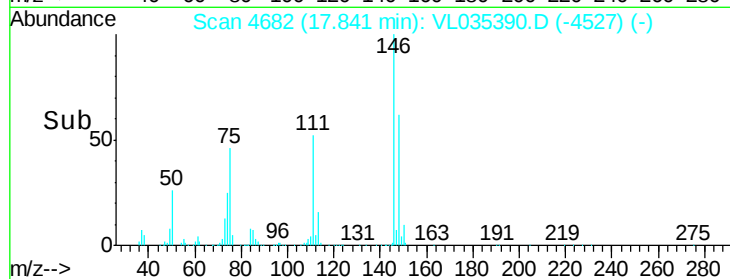
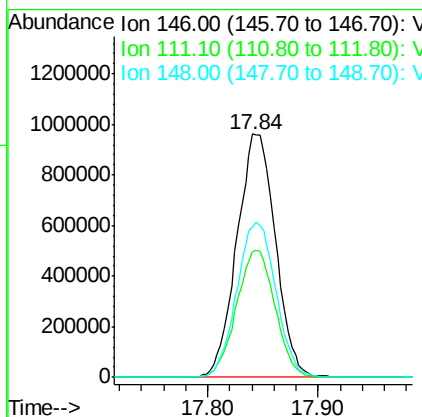
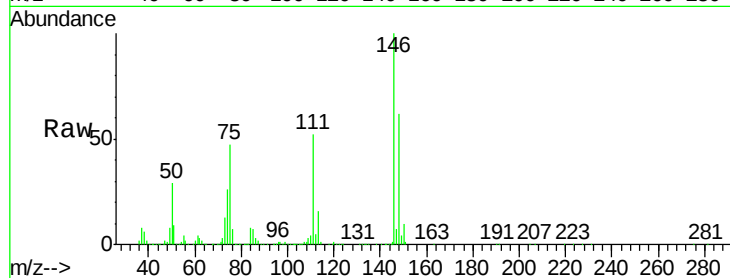
#77
 1,2-Dichlorobenzene
 Concen: 8.352 ppbv
 RT: 17.84 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.3	25.9	77.8
148	64.5	32.1	96.3

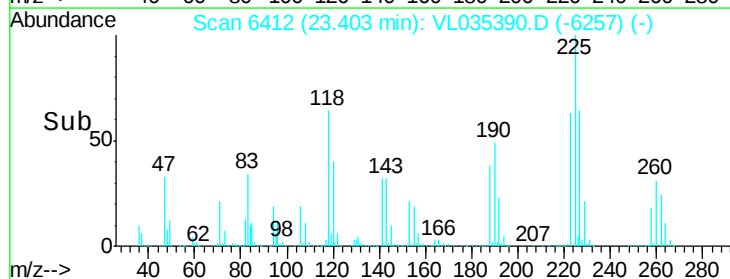
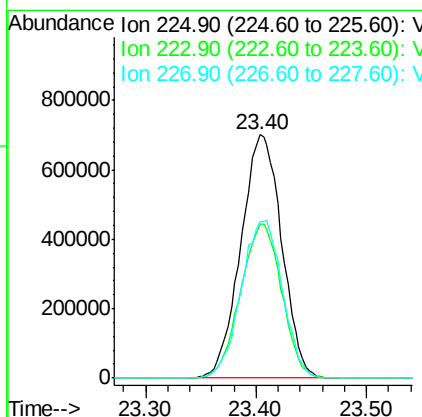
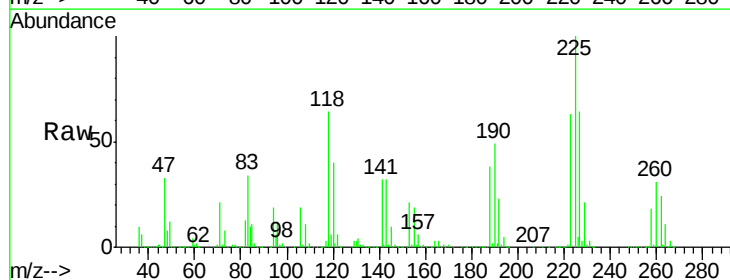
Manual Integrations
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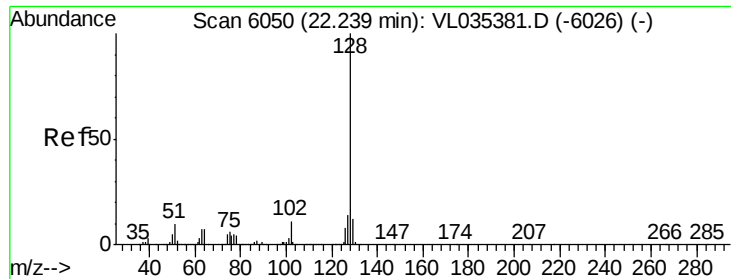
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.810 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. -0.00 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.0	76.6
227	65.4	51.0	76.6





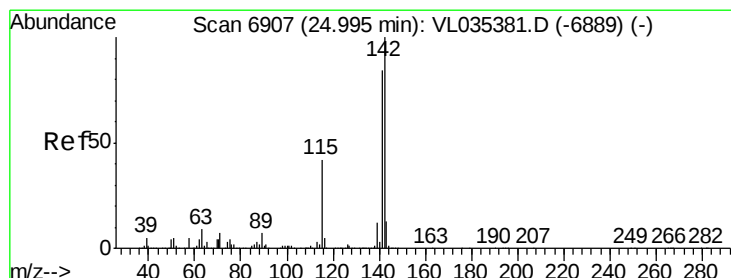
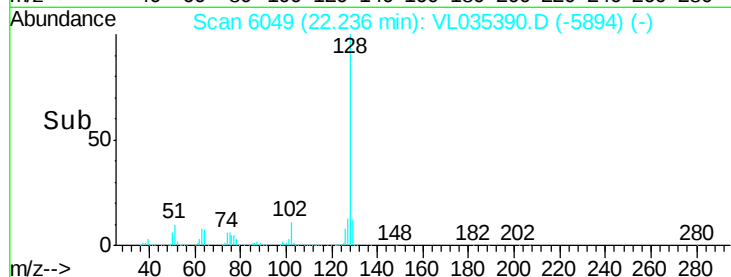
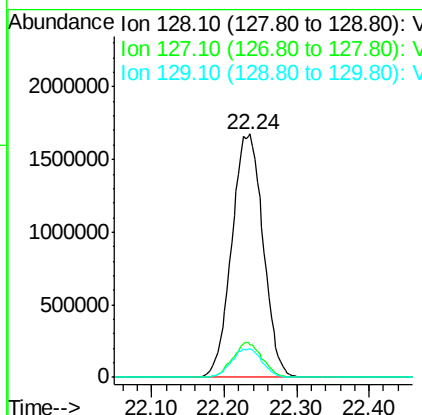
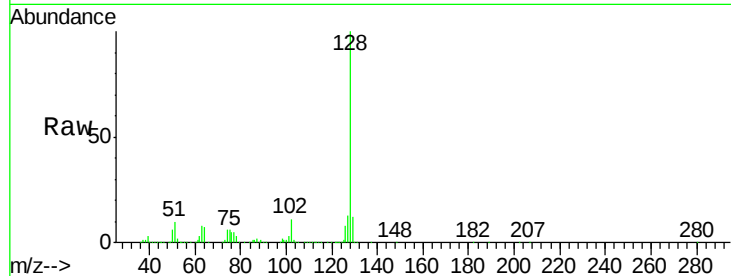
#79
Naphthalene
Concen: 7.966 ppbv m
RT: 22.24 min Scan# 6049
Delta R.T. -0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081220

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.0	16.4
129	11.6	9.2	13.8

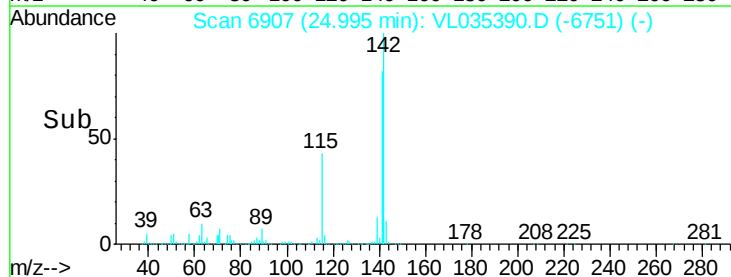
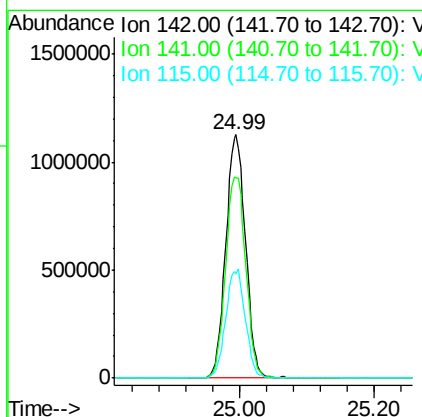
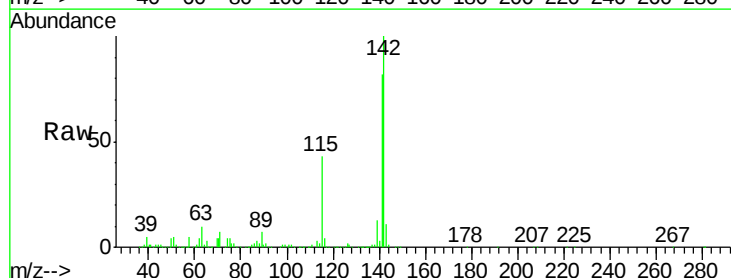
Manual Integrations
APPROVED

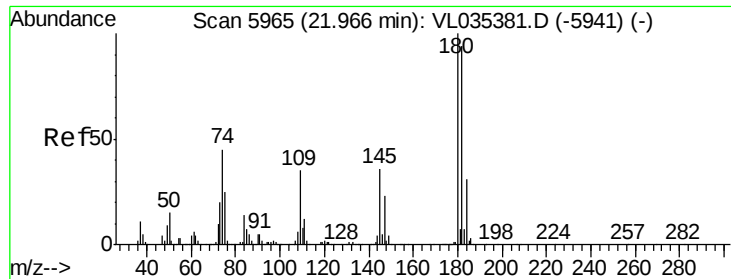
MMDadoda
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#80
Naphthalene, 2-methyl-
Concen: 7.815 ppbv
RT: 24.99 min Scan# 6907
Delta R.T. 0.00 min
Lab File: VL035390.D
Acq: 12 Aug 2020 20:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.7	101.5
115	44.5	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 7.938 ppbv m
 RT: 21.96 min Scan# 5963
 Delta R.T. -0.01 min
 Lab File: VL035390.D
 Acq: 12 Aug 2020 20:17

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081220

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.6	116.4
184	30.8	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
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