

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036071.D
 Acq On : 7 Dec 2020 17:14
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120720

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:26 AM

Quant Time: Dec 08 08:45:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1259506	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2915205	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2728933m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2200785	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1246577	8.493 ppbv	99
3) Chlorodifluoromethane	2.99	51	1388809	9.664 ppbv	99
4) Chloromethane	3.15	50	688171	9.754 ppbv	97
5) Vinyl Chloride	3.26	62	664689	8.468 ppbv	100
6) Bromomethane	3.48	94	378694	9.351 ppbv	94
7) Chloroethane	3.56	64	241800	9.043 ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	1591771	9.758 ppbv	96
9) Propene	3.01	41	681077	9.461 ppbv	97
10) Heptane	8.15	43	1727000	9.393 ppbv	100
11) Trichlorofluoromethane	3.96	101	1675451	9.709 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1127336	9.619 ppbv	100
13) Ethanol	3.62	45	97035	9.778 ppbv	97
14) Bromoethene	3.75	108	480663	9.997 ppbv	95
15) Acetone	3.86	43	1458856	9.637 ppbv	100
16) 1,3-Butadiene	3.34	39	677765	8.890 ppbv	93
17) tert-Butyl alcohol	4.30	59	1460326	9.960 ppbv	100
18) 1,1-Dichloroethene	4.30	96	490924	9.434 ppbv	92
19) Isopropyl Alcohol	3.98	45	898530	9.712 ppbv #	100
20) Methylene Chloride	4.36	84	448963	7.238 ppbv	95
21) Allyl Chloride	4.42	41	929420	9.234 ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	479107	9.196 ppbv	95
23) Vinyl Acetate	5.09	43	2054049	10.192 ppbv #	99
24) 1,1-Dichloroethane	5.03	63	1339078	9.447 ppbv	97
25) Ethyl Acetate	5.70	43	2922150	9.663 ppbv	100
26) Hexane	5.71	57	1199102	8.810 ppbv	99
27) Carbon Disulfide	4.56	76	1358566	10.044 ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1852360	9.573 ppbv	99
29) Chloroform	5.77	83	1726846	9.662 ppbv	97
30) Cyclohexane	7.15	84	951972	9.522 ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1219489	9.857 ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	1748687	9.482 ppbv	100
34) 2-Butanone	5.26	43	1789283	9.253 ppbv	99
35) Carbon Tetrachloride	7.04	117	1722010	10.130 ppbv	99
36) Benzene	6.92	78	2382125	9.642 ppbv	96
37) 1,2-Dichloroethane	6.33	62	1416622	9.895 ppbv	100
38) Trichloroethene	7.86	130	814443	8.819 ppbv	97
39) 1,2-Dichloropropane	7.64	63	951375	9.751 ppbv	95
40) 1,4-Dioxane	7.85	88	301139	9.813 ppbv #	99
41) Tetrahydrofuran	6.06	42	1090205	9.490 ppbv	98
42) Bromodichloromethane	7.82	83	1942738	10.184 ppbv	99
43) Methyl Methacrylate	8.03	69	1079835	10.188 ppbv	99

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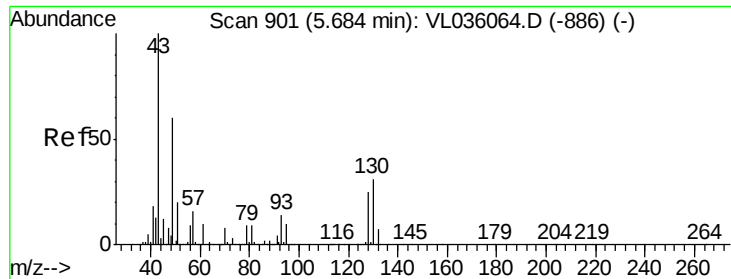
Manual Integrations
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Quant Time: Dec 08 08:45:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4251394	9.502	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1205177	11.068	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1401109	10.266	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	919786	9.799	ppbv	97
48) Dibromochloromethane	10.33	129	1542769	10.884	ppbv	100
49) Bromoform	13.07	173	1308997	11.733	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2866345	9.939	ppbv	100
51) 2-Hexanone	10.16	43	2332629	10.348	ppbv	99
52) Tetrachloroethene	11.25	164	787587	8.806	ppbv	95
53) Toluene	9.83	91	2731974	9.848	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1399663	9.948	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	1153964	10.198	ppbv	97
57) Chlorobenzene	12.18	112	1883801	9.833	ppbv	99
58) Ethyl Benzene	12.74	91	3690505	9.868	ppbv	97
59) m/p-Xylene	13.02	91	6219124m	19.744	ppbv	
60) o-Xylene	13.72	91	2879531	9.703	ppbv	99
61) Styrene	13.56	104	2071552	10.872	ppbv	99
62) Isopropylbenzene	14.70	105	4297638	9.769	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1944473	9.729	ppbv	100
64) n-propylbenzene	15.59	120	1084390	10.246	ppbv	99
65) tert-Butylbenzene	16.78	119	3626603	10.072	ppbv	100
66) Benzyl Chloride	17.02	91	1413075	15.761	ppbv	100
67) sec-Butylbenzene	17.33	105	5120932	10.162	ppbv	100
69) p-Isopropyltoluene	17.68	119	4178447	10.424	ppbv	99
70) n-Butylbenzene	18.58	91	4320665	10.906	ppbv	99
71) 2-Chlorotoluene	15.48	91	3400431	10.226	ppbv	99
72) 4-Ethyltoluene	15.87	105	3344617	10.404	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3126236	10.182	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	3157978	10.246	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	1686456	10.931	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1622826	10.332	ppbv	97
77) 1,2-Dichlorobenzene	17.85	146	1596062	10.835	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1032514	8.746	ppbv	99
79) Naphthalene	22.24	128	1740437	11.109	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	836934	23.891	ppbv	96
81) 1,2,4-Trichlorobenzene	21.97	180	1032533	9.865	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion: 49 Resp: 1259506

Ion Ratio Lower Upper

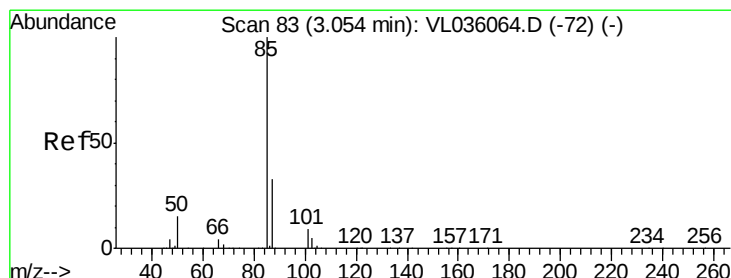
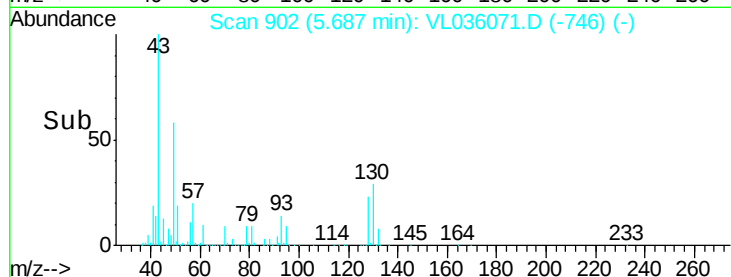
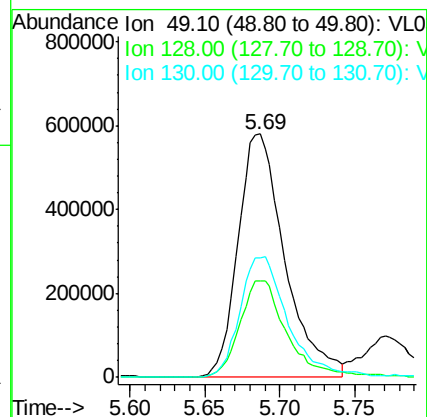
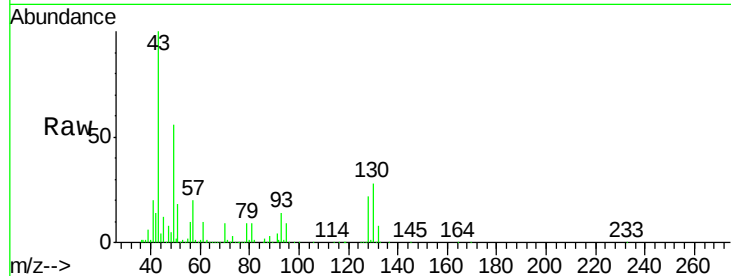
49 100

128 40.9 21.1 63.1

130 52.3 27.1 81.3

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#2

Dichlorodifluoromethane

Concen: 8.493 ppbv

RT: 3.05 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL036071.D

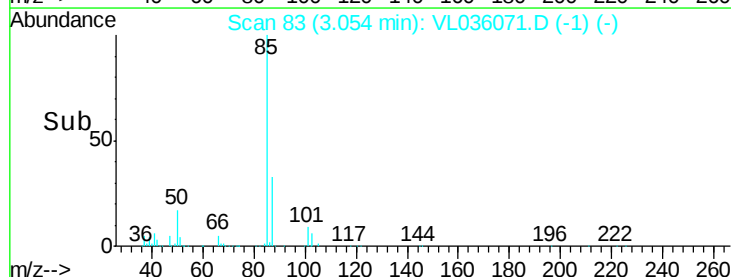
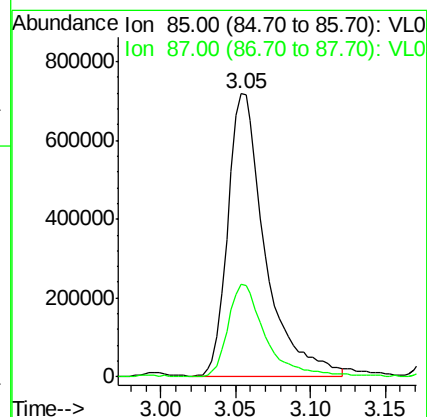
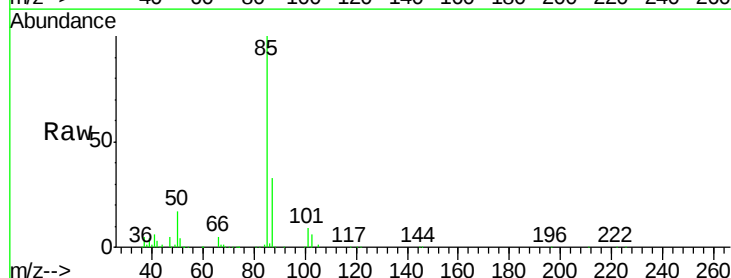
Acq: 7 Dec 2020 17:14

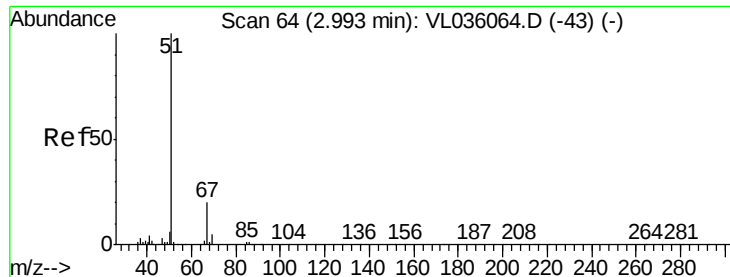
Tgt Ion: 85 Resp: 1246577

Ion Ratio Lower Upper

85 100

87 32.6 26.5 39.7





#3

Chlorodifluoromethane

Concen: 9.664 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion: 51 Resp: 1388809

Ion Ratio Lower Upper

51 100

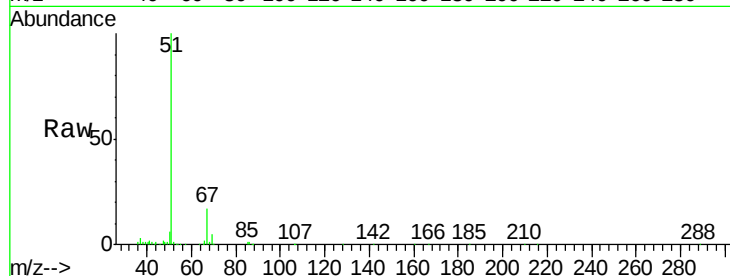
67 17.6 14.3 21.5

Manual Integrations

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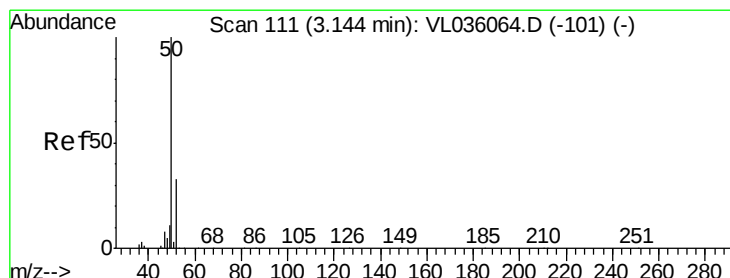
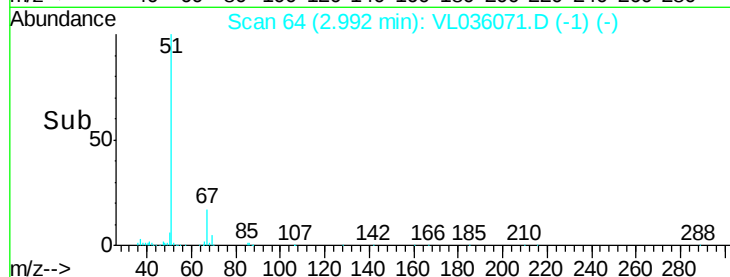
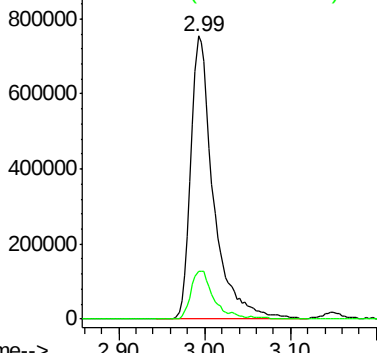
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.754 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL036071.D

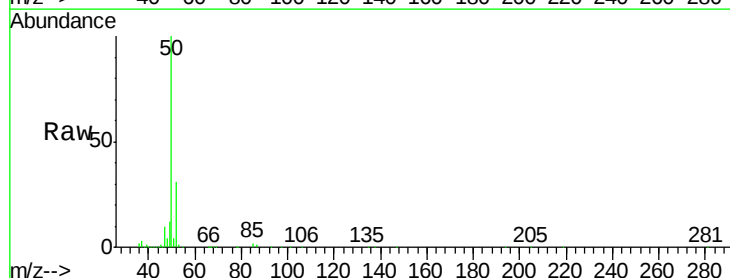
Acq: 7 Dec 2020 17:14

Tgt Ion: 50 Resp: 688171

Ion Ratio Lower Upper

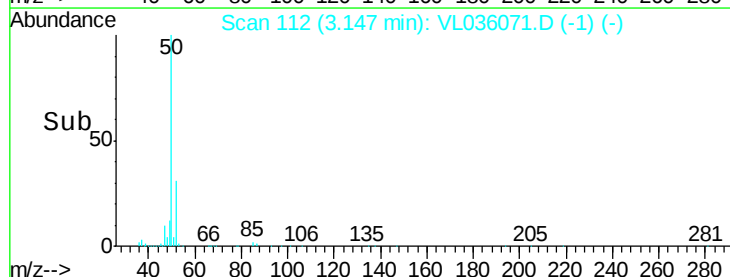
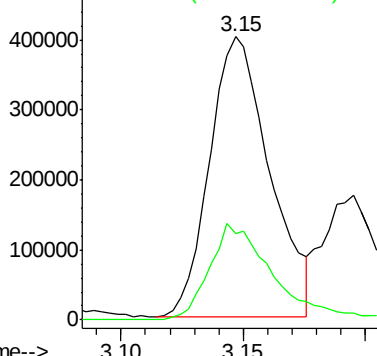
50 100

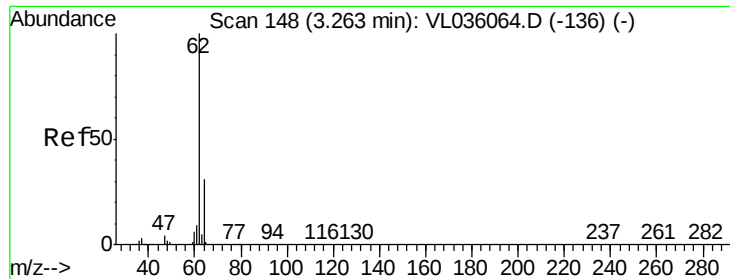
52 30.8 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.468 ppbv

RT: 3.26 min Scan# 148

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion: 62 Resp: 664689

Ion Ratio Lower Upper

62 100

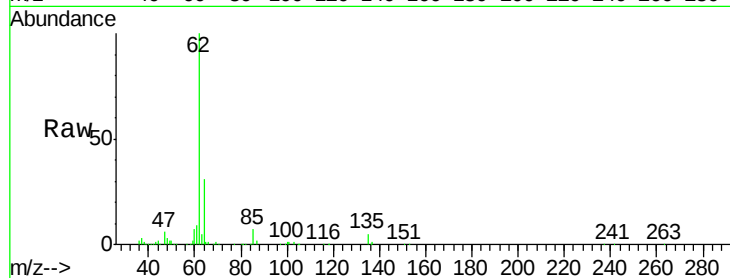
64 30.8 24.5 36.7

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

400000

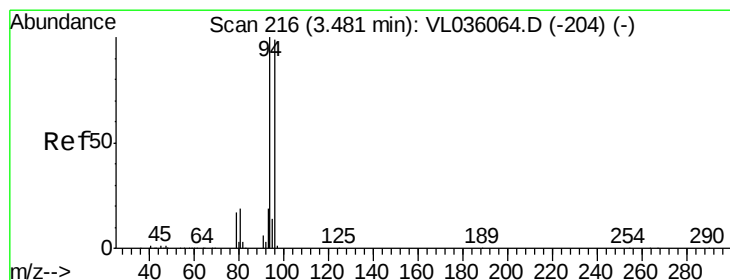
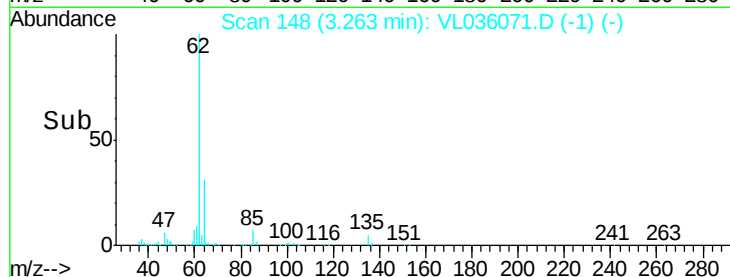
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.351 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.00 min

Lab File: VL036071.D

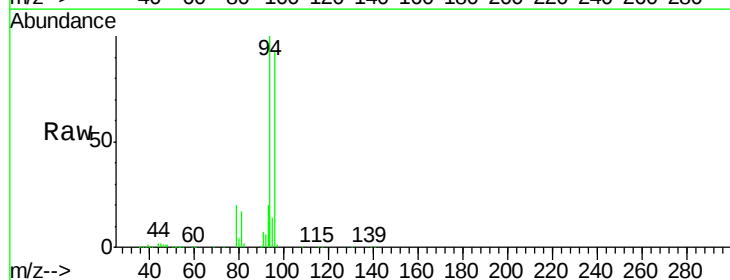
Acq: 7 Dec 2020 17:14

Tgt Ion: 94 Resp: 378694

Ion Ratio Lower Upper

94 100

96 93.2 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

200000

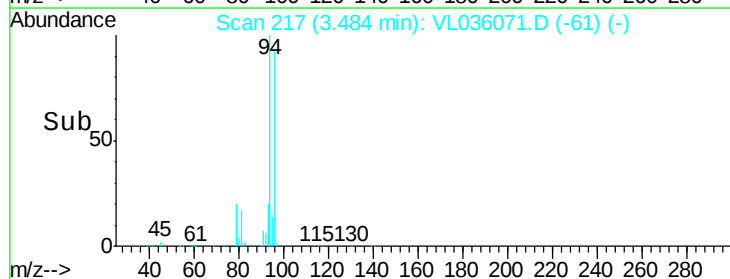
150000

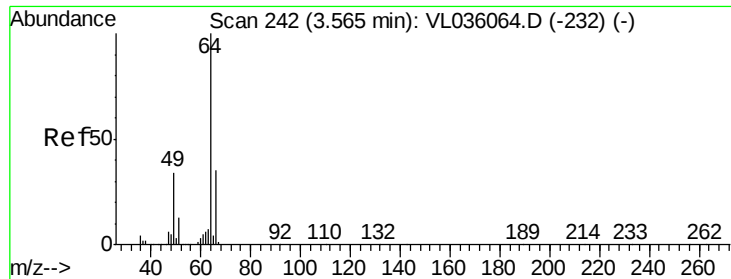
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.043 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion: 64 Resp: 241800

Ion Ratio Lower Upper

64 100

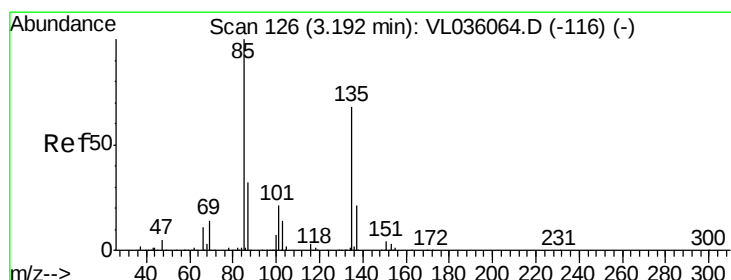
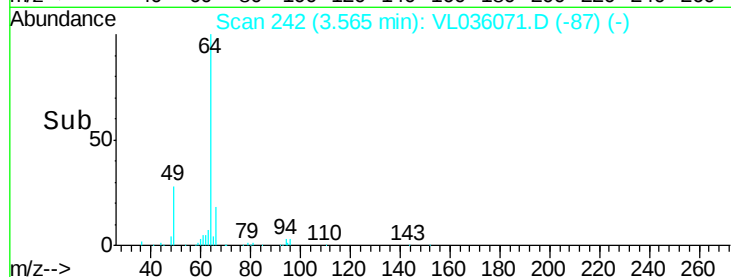
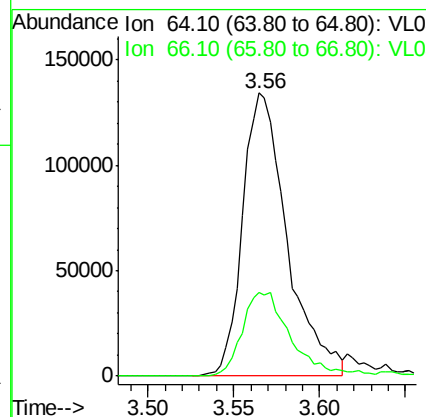
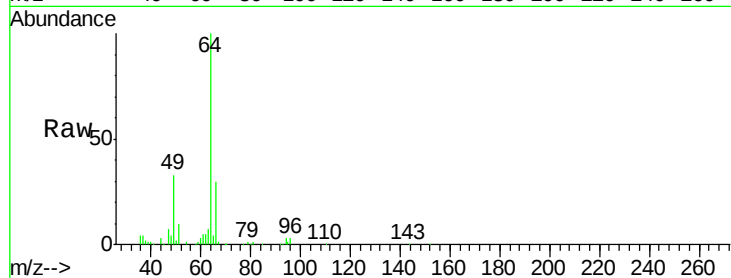
66 29.5 27.7 41.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.758 ppbv

RT: 3.19 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL036071.D

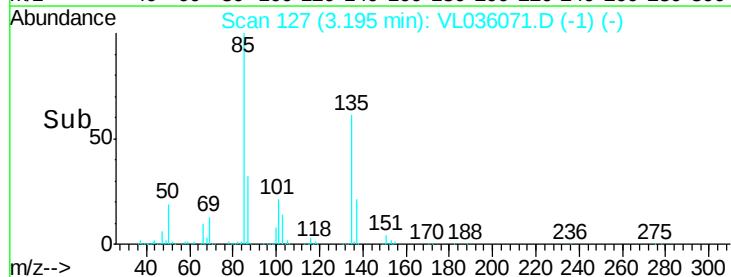
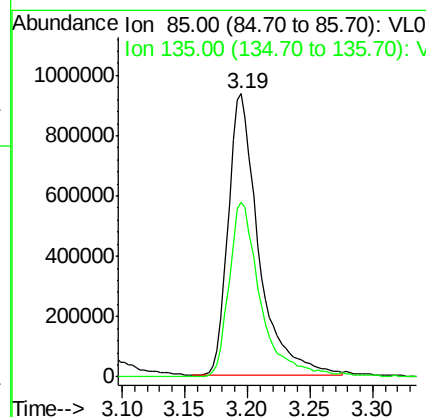
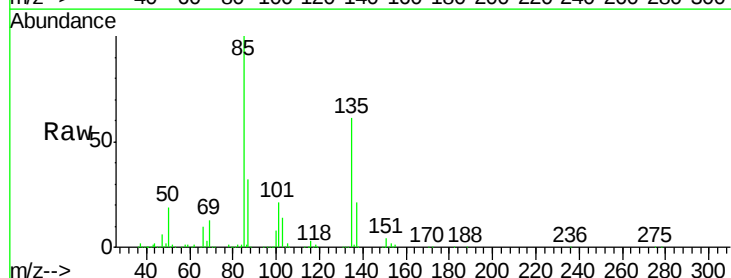
Acq: 7 Dec 2020 17:14

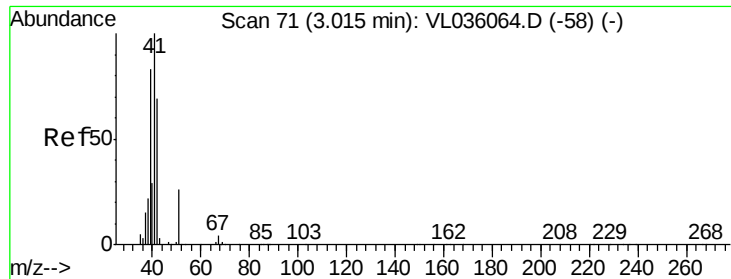
Tgt Ion: 85 Resp: 1591771

Ion Ratio Lower Upper

85 100

135 64.4 53.8 80.8





#9

Propene

Concen: 9.461 ppbv

RT: 3.01 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion: 41 Resp: 681077

Ion Ratio Lower Upper

41 100

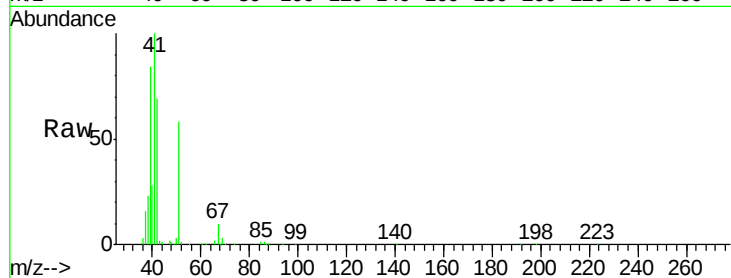
42 69.0 57.0 85.6

Manual Integrations

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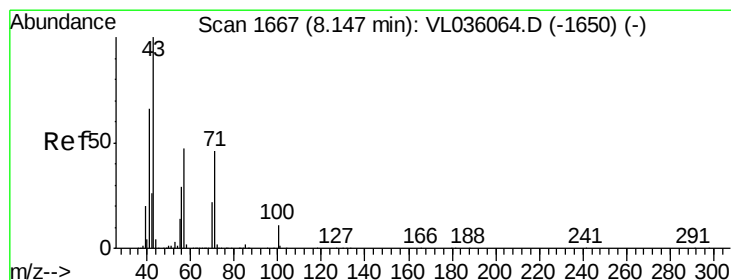
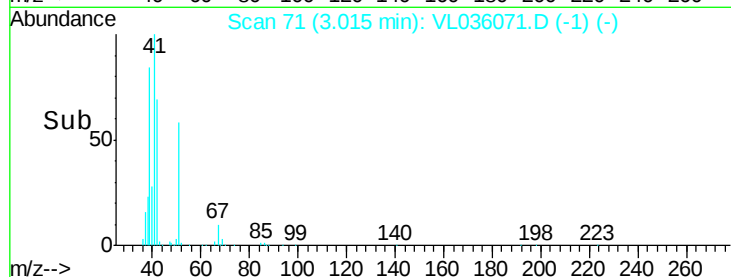
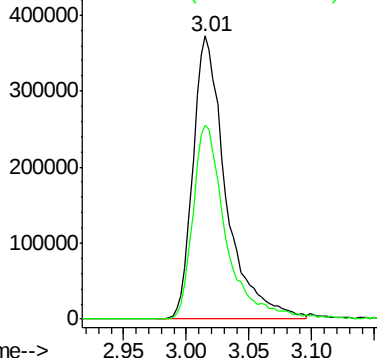
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12/10/2020 9:53:26 AM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.393 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VL036071.D

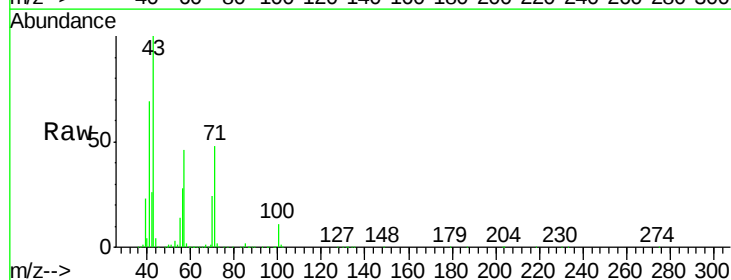
Acq: 7 Dec 2020 17:14

Tgt Ion: 43 Resp: 1727000

Ion Ratio Lower Upper

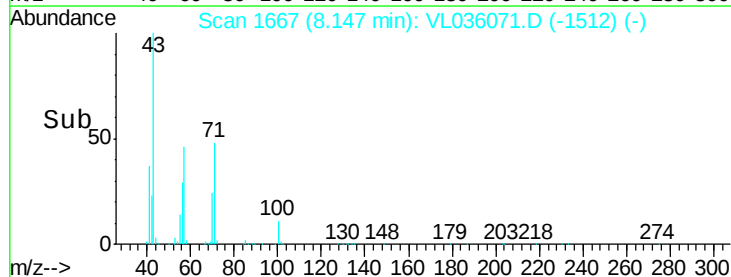
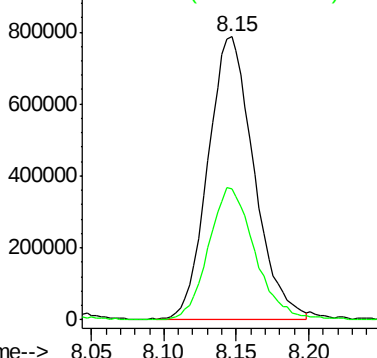
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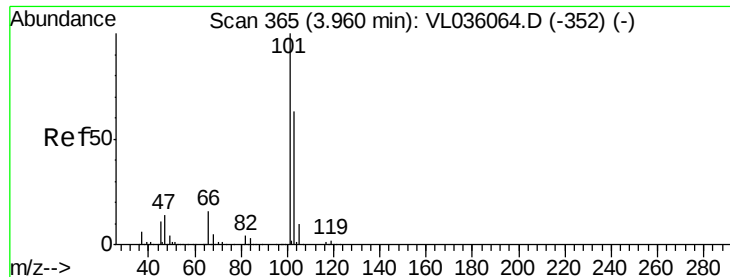
57 47.7 37.9 56.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





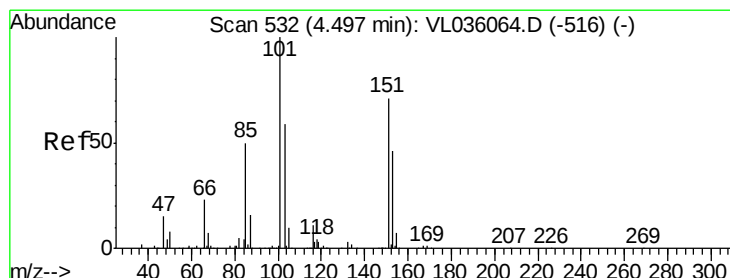
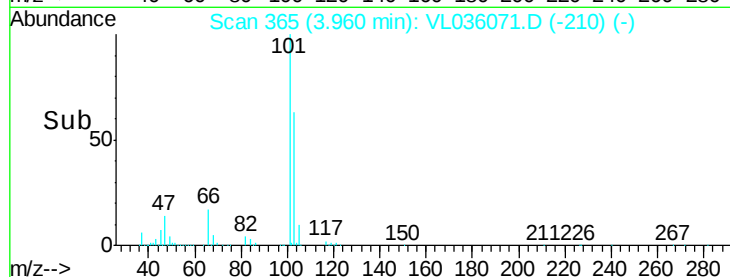
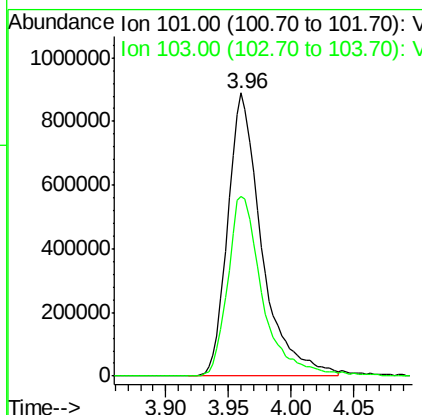
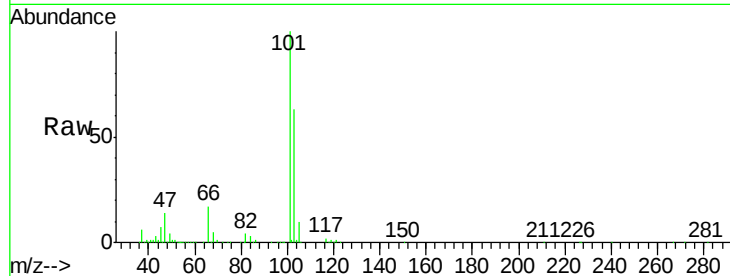
#11
 Trichlorofluoromethane
 Concen: 9.709 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120720

Tot Ion:101 Resp: 1675451
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.3 75.5

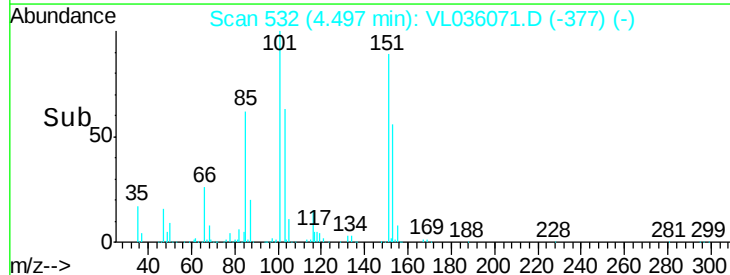
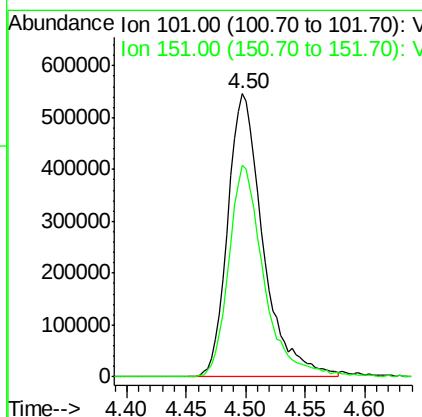
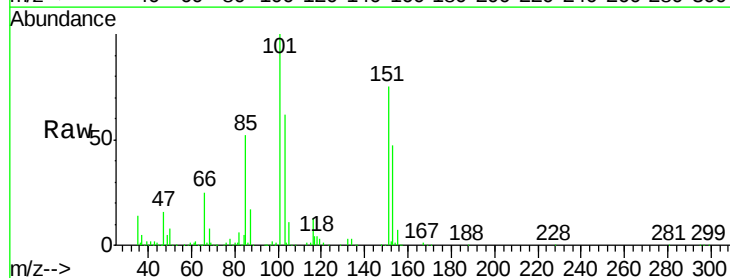
Manual Integrations
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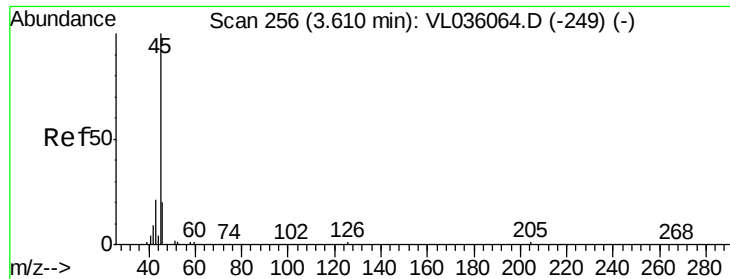
MMDadoda
 12/10/2020 9:53:26 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.619 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion:101 Resp: 1127336
 Ion Ratio Lower Upper
 101 100
 151 74.3 59.3 88.9





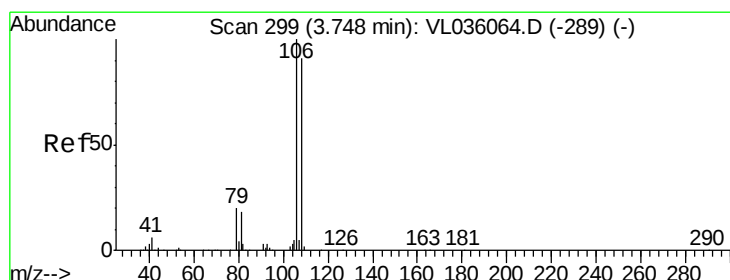
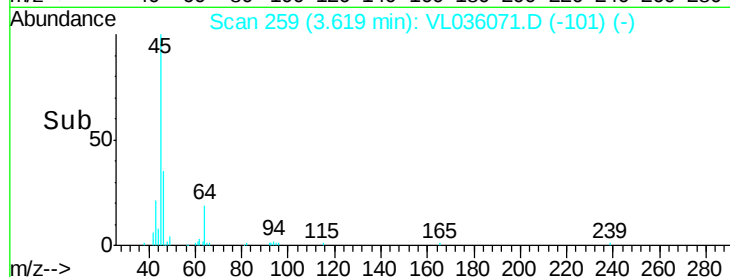
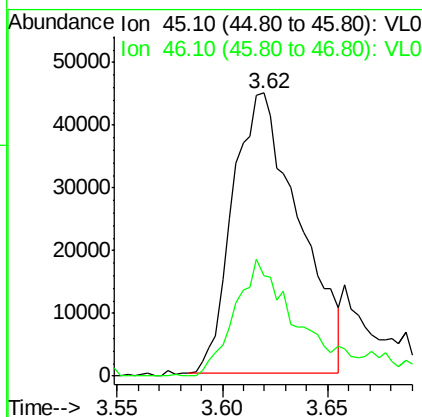
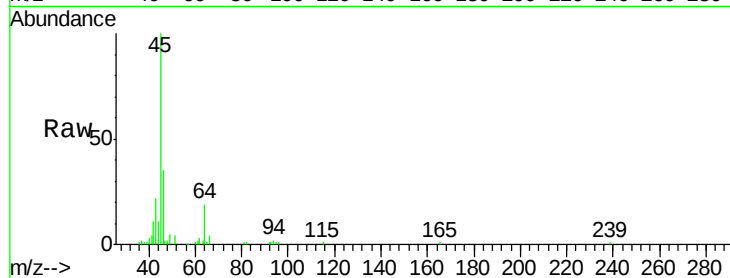
#13
Ethanol
Concen: 9.778 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

Tot Ion: 45 Resp: 97035
Ion Ratio Lower Upper
45 100
46 45.3 19.0 75.8

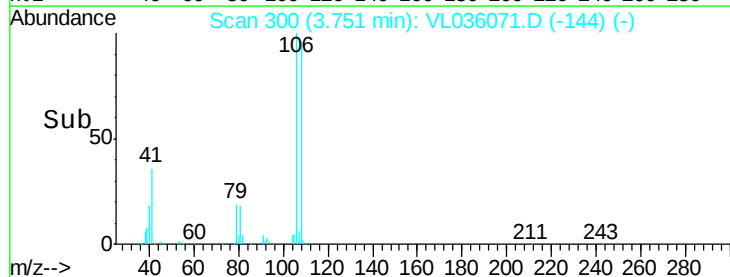
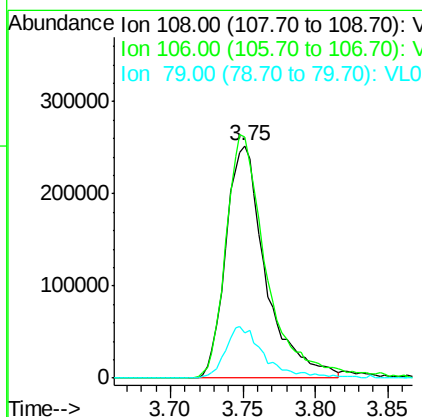
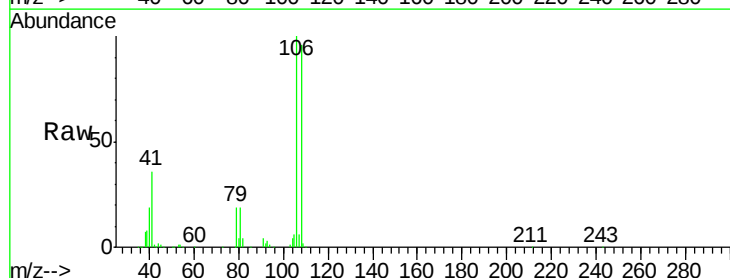
Manual Integrations
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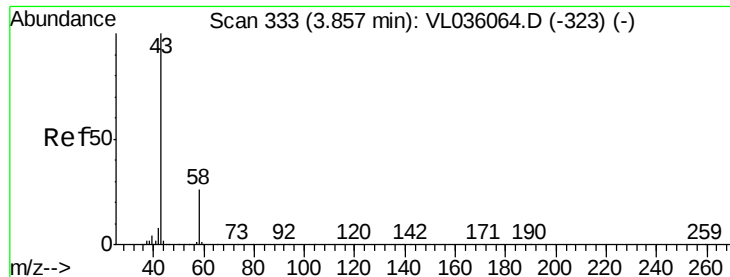
MMDadoda
12/10/2020 9:53:26 AM



#14
Bromoethene
Concen: 9.997 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 108 Resp: 480663
Ion Ratio Lower Upper
108 100
106 108.2 91.0 136.4
79 21.7 19.3 28.9





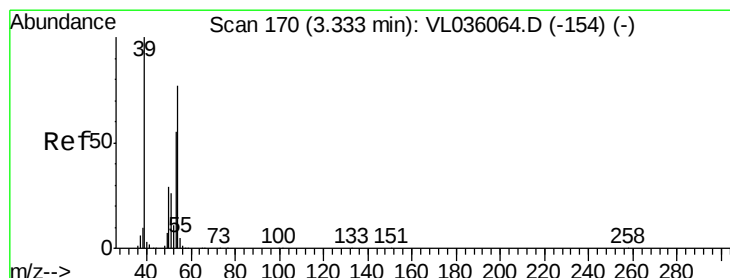
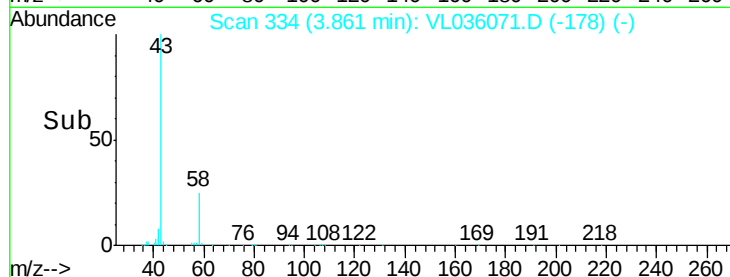
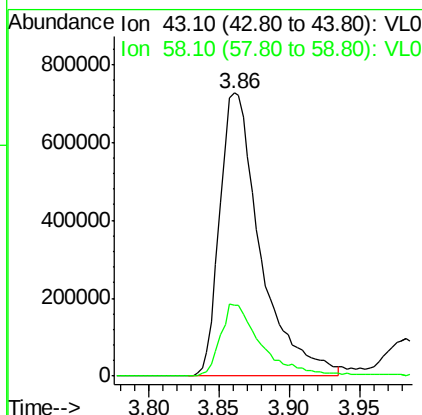
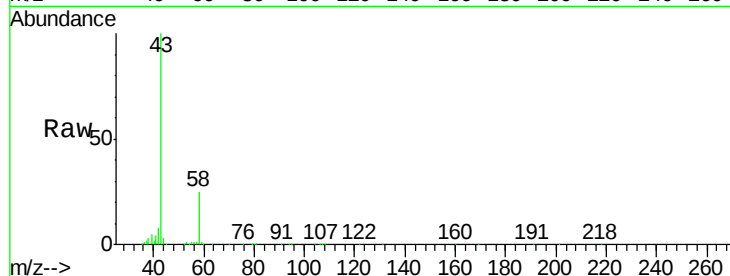
#15
Acetone
Concen: 9.637 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

Tot Ion: 43 Resp: 1458856
Ion Ratio Lower Upper
43 100
58 26.0 20.9 31.3

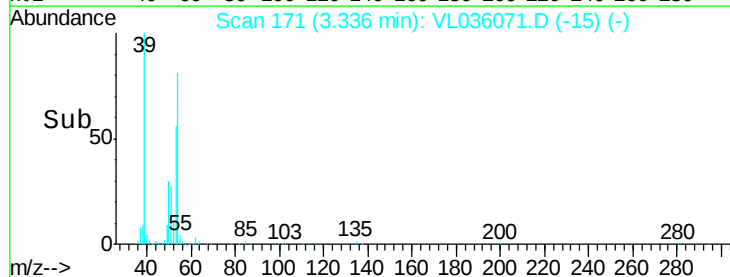
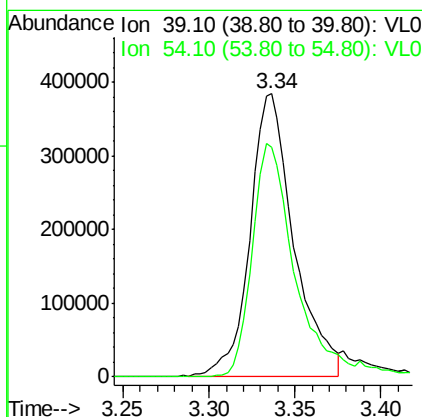
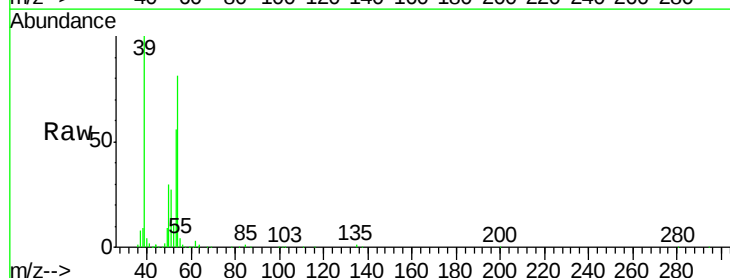
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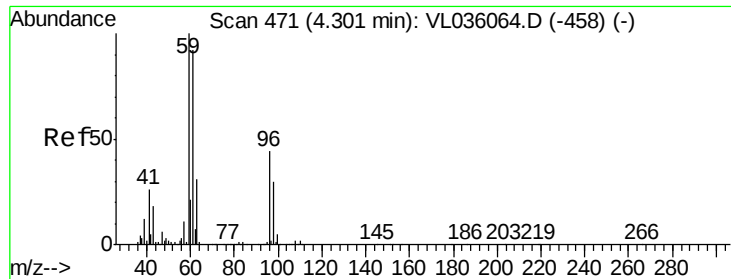
MMDadoda
12/10/2020 9:53:26 AM



#16
1,3-Butadiene
Concen: 8.890 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 39 Resp: 677765
Ion Ratio Lower Upper
39 100
54 83.5 62.1 93.1





#17

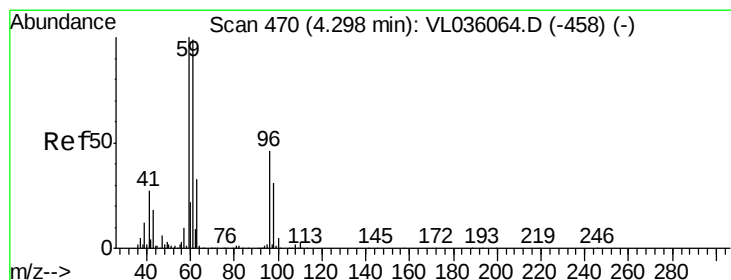
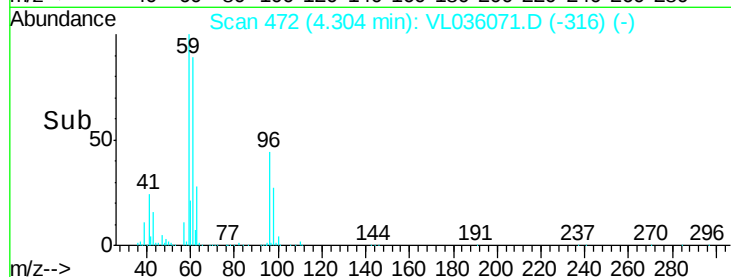
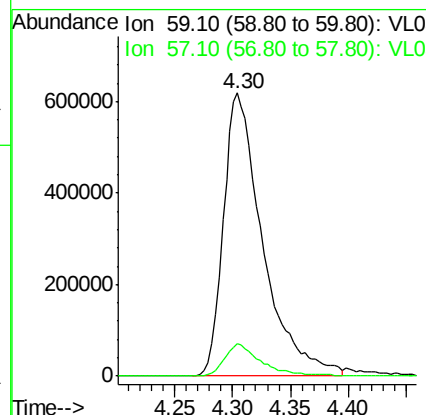
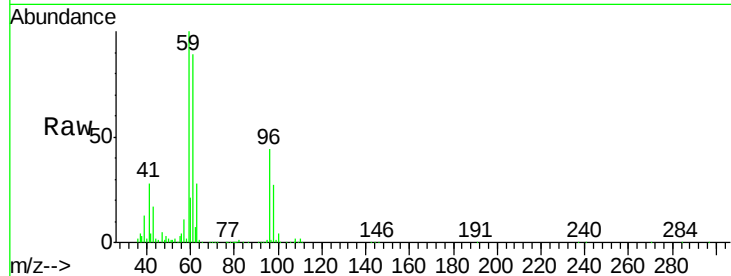
tert-Butyl alcohol
Concen: 9.960 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

Tot Ion: 59 Resp: 1460326
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1

Manual Integrations
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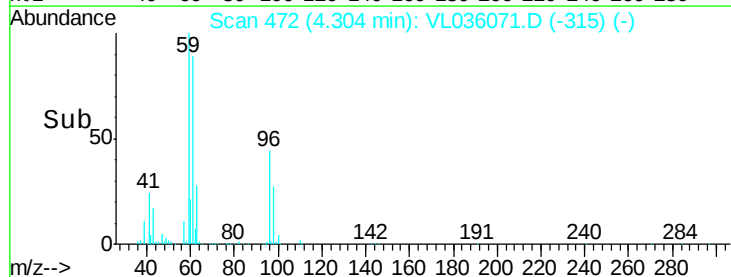
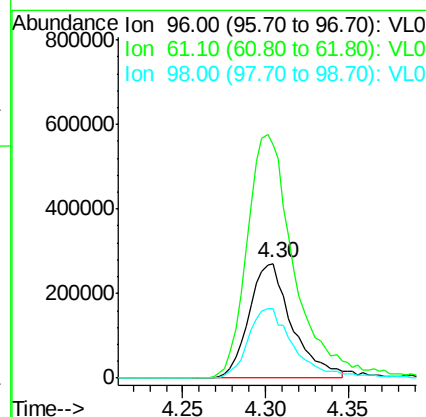
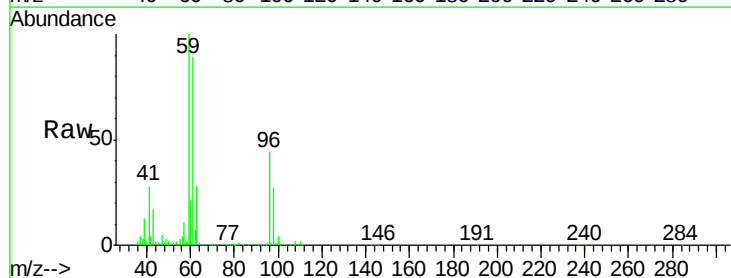
MMDadoda
12/10/2020 9:53:26 AM

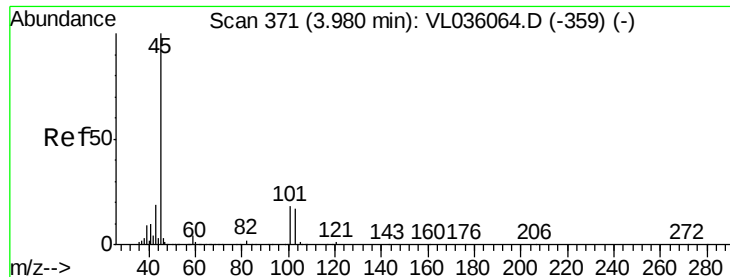


#18

1,1-Dichloroethene
Concen: 9.434 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 96 Resp: 490924
Ion Ratio Lower Upper
96 100
61 203.0 171.4 257.2
98 60.4 54.2 81.2





#19

Isopropyl Alcohol

Concen: 9.712 ppbv

RT: 3.98 min Scan# 371

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion: 45 Resp: 898530

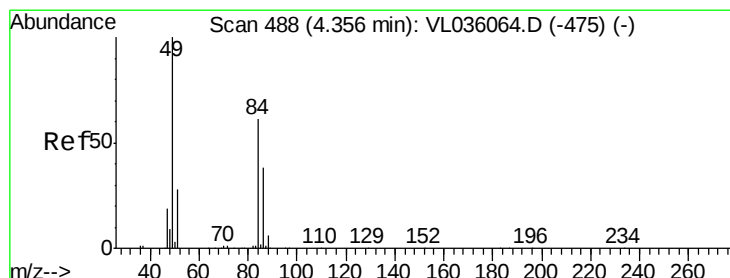
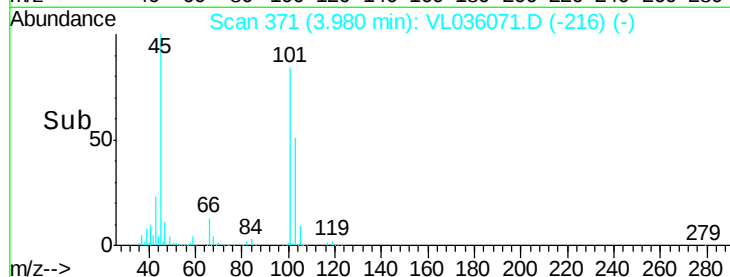
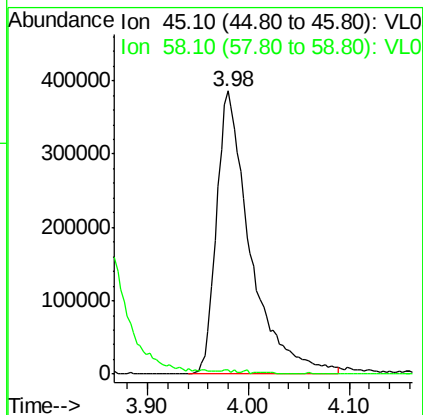
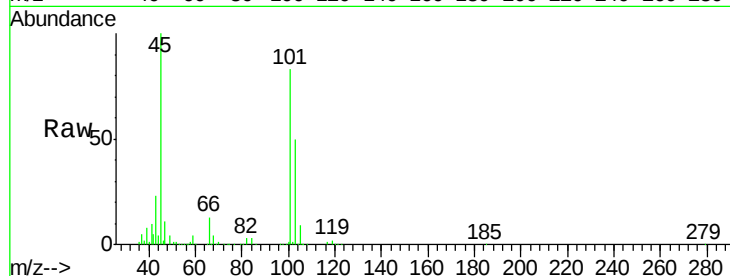
Ion Ratio Lower Upper

45 100

58 43.7 0.0 0.0#

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#20

Methylene Chloride

Concen: 7.238 ppbv

RT: 4.36 min Scan# 488

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Tgt Ion: 84 Resp: 448963

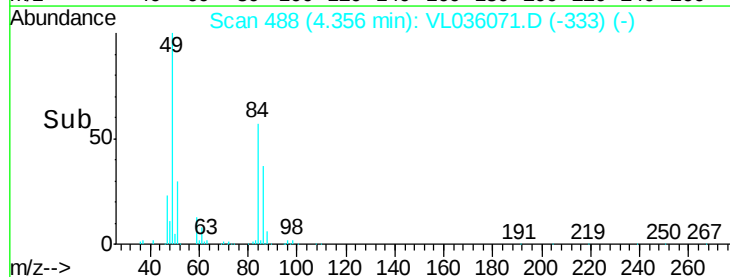
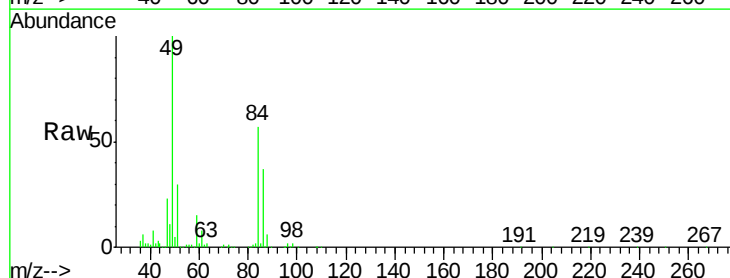
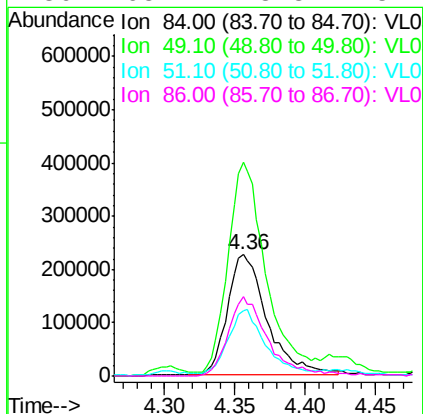
Ion Ratio Lower Upper

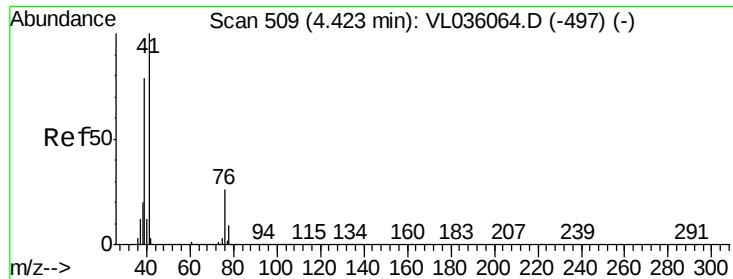
84 100

49 173.5 133.0 199.4

51 51.2 38.9 58.3

86 65.7 48.8 73.2





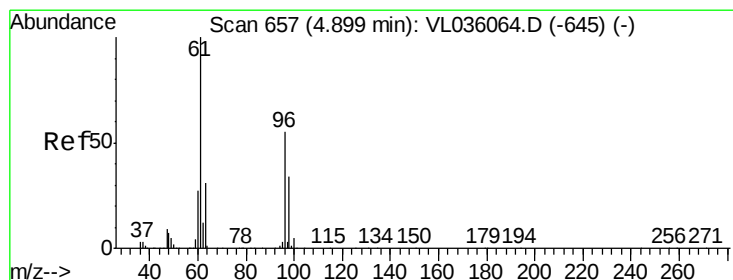
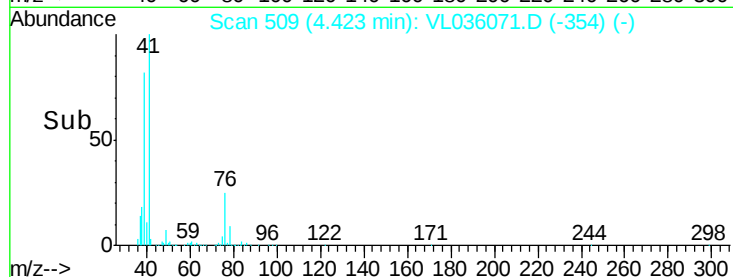
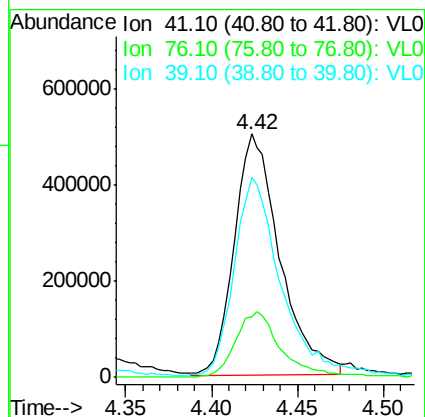
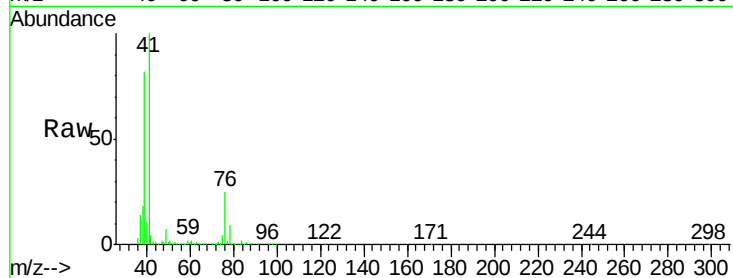
#21
Allvl Chloride
Concen: 9.234 ppbv
RT: 4.42 min Scan# 509
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.8	21.0	31.4
39	88.4	66.0	99.0

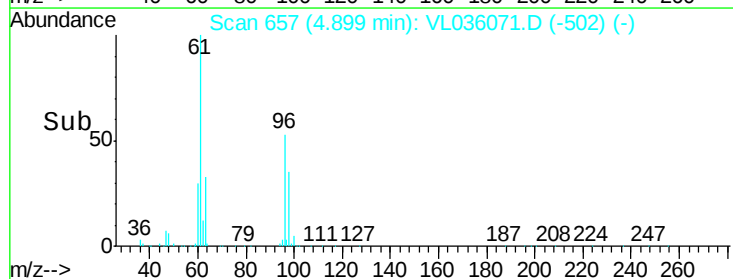
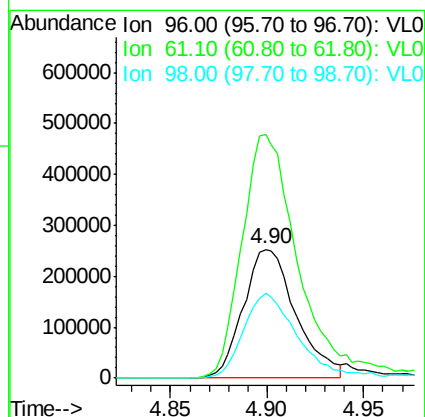
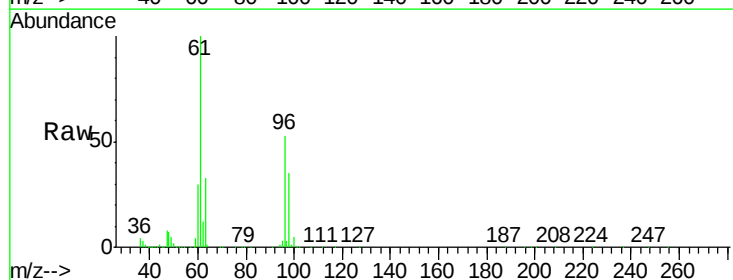
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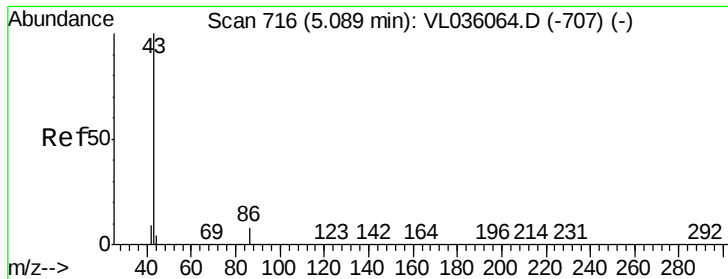
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.196 ppbv
RT: 4.90 min Scan# 657
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.0	145.7	218.5
98	65.7	49.2	73.8





#23

Vinyl Acetate

Concen: 10.192 ppbv

RT: 5.09 min Scan# 716

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion: 43 Resp: 2054049

Ion Ratio Lower Upper

43 100

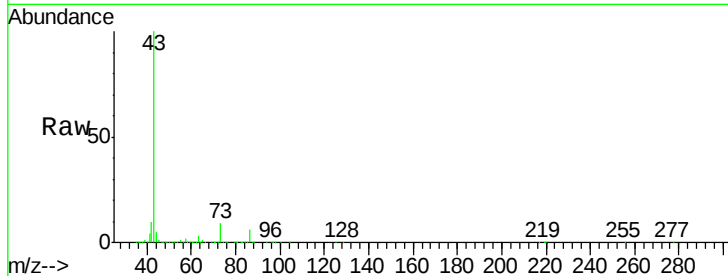
86 6.1 5.0 7.4

42 10.1 7.8 11.6

44 4.8 3.2 4.8#

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12/10/2020 9:53:26 AM

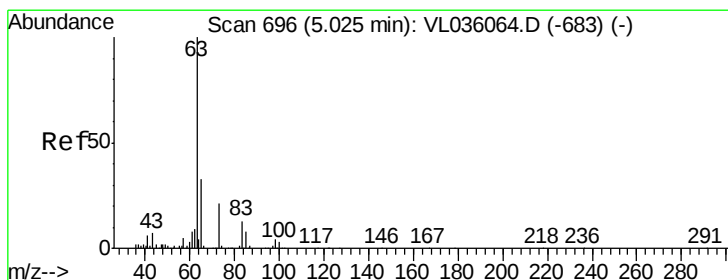
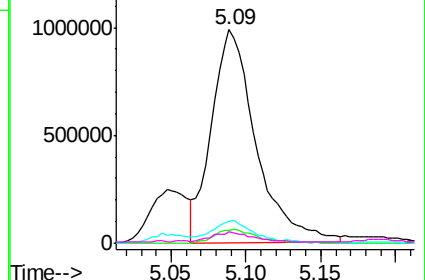
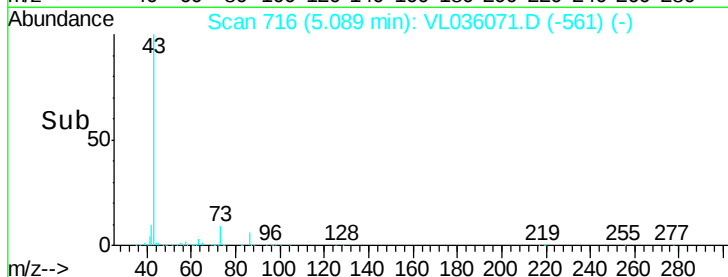


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.447 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

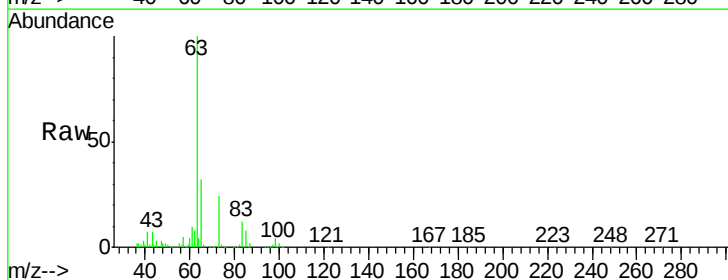
Tgt Ion: 63 Resp: 1339078

Ion Ratio Lower Upper

63 100

98 3.4 2.2 6.6

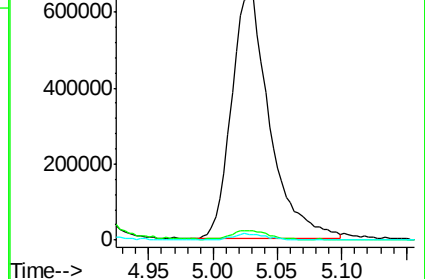
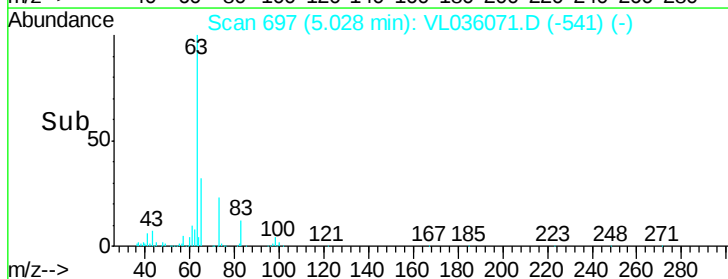
100 2.1 1.5 4.4

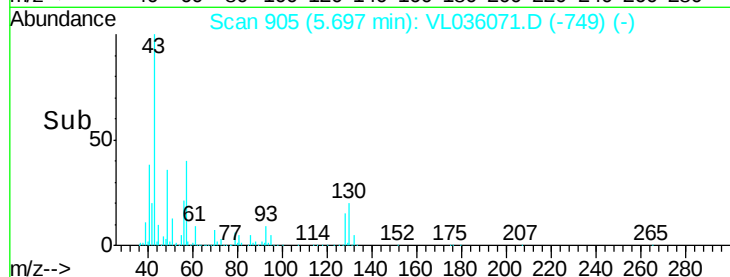
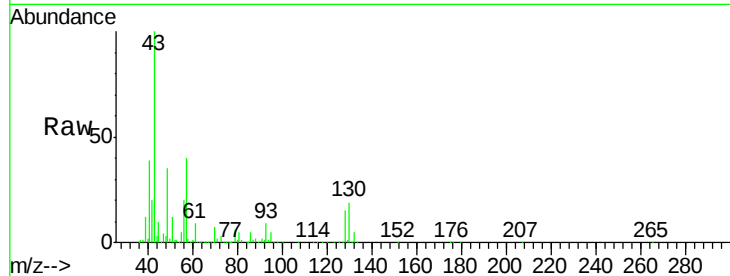
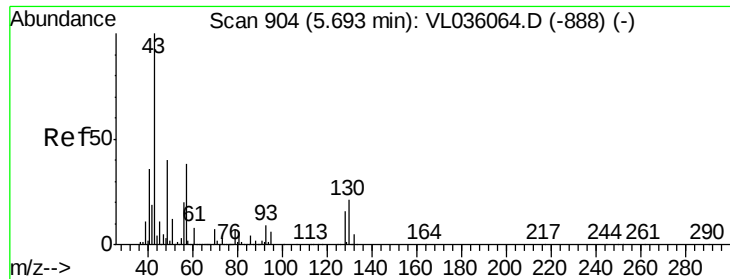


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





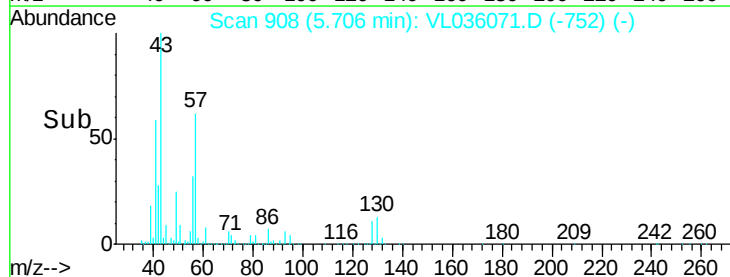
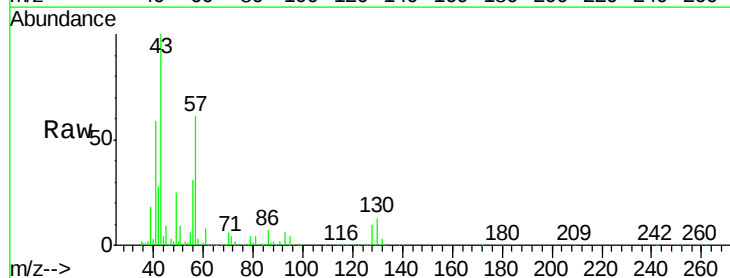
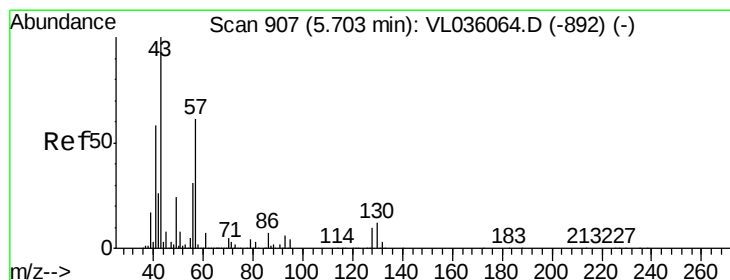
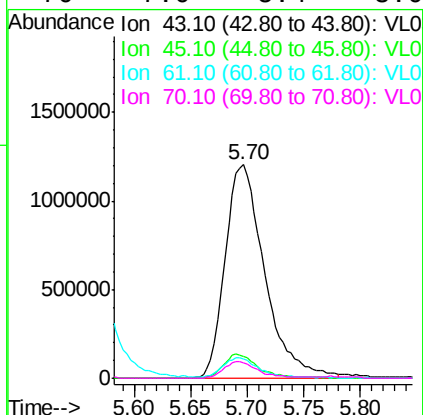
#25
Ethyl Acetate
Concen: 9.663 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tot Ion	43	Resp	2922150
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.4	7.4	11.2
70	7.0	5.4	8.0

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

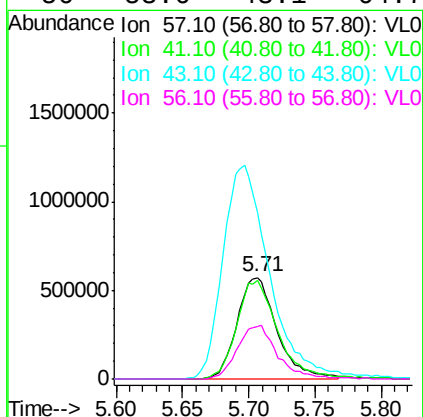
Manual Integrations
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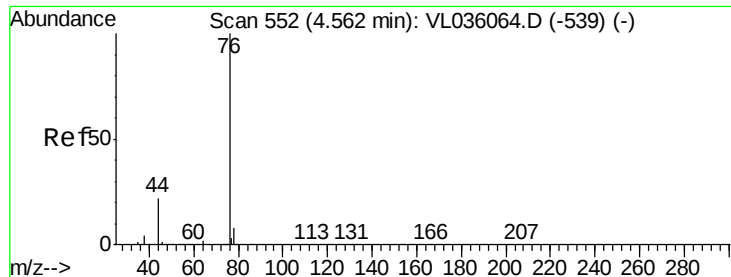
MMDadoda
12/10/2020 9:53:26 AM



#26
Hexane
Concen: 8.810 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion	57	Resp	1199102
Ion	Ratio	Lower	Upper
57	100		
41	101.5	82.9	124.3
43	248.0	199.9	299.9
56	53.6	43.1	64.7





#27

Carbon Disulfide

Concen: 10.044 ppbv

RT: 4.56 min Scan# 552

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion: 76 Resp: 1358566

Ion Ratio Lower Upper

76 100

44 23.5 17.9 26.9

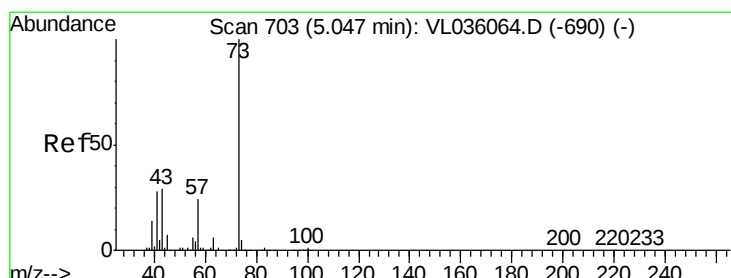
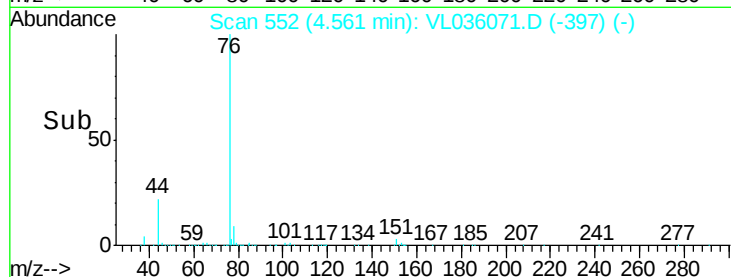
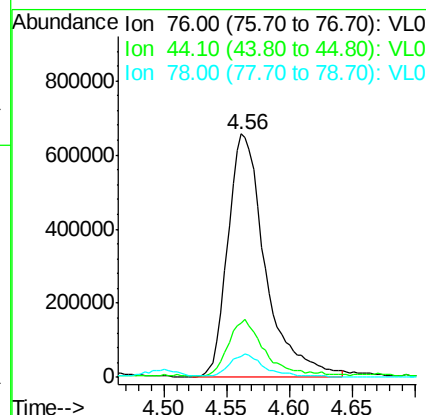
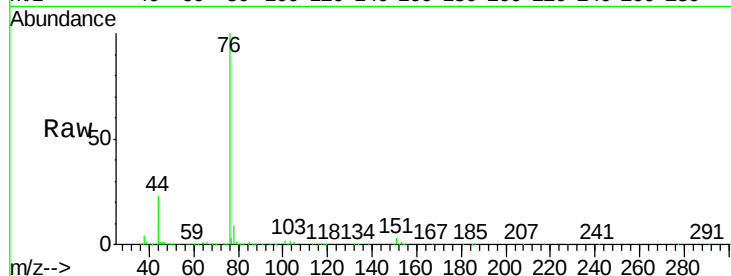
78 9.7 7.8 11.8

Manual Integrations

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MMDadoda

12/10/2020 9:53:26 AM



#28

Methyl tert-Butyl Ether

Concen: 9.573 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL036071.D

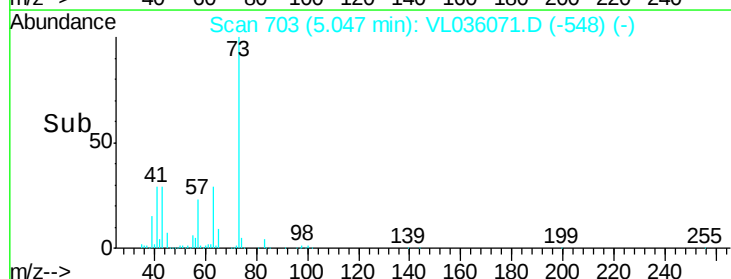
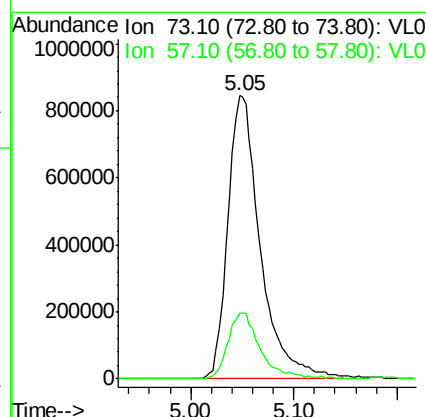
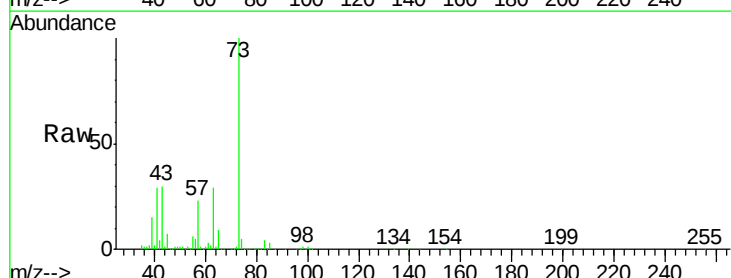
Acq: 7 Dec 2020 17:14

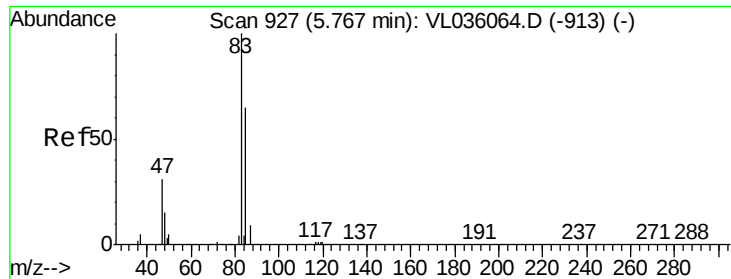
Tgt Ion: 73 Resp: 1852360

Ion Ratio Lower Upper

73 100

57 23.5 19.2 28.8





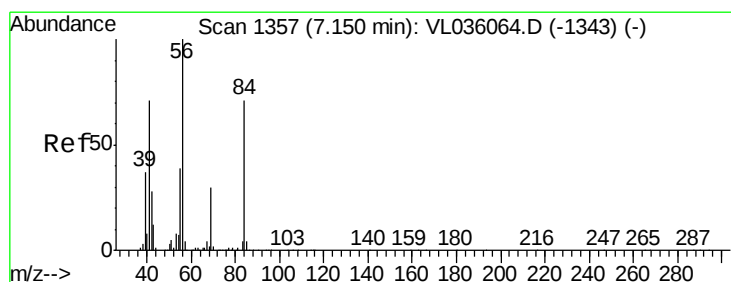
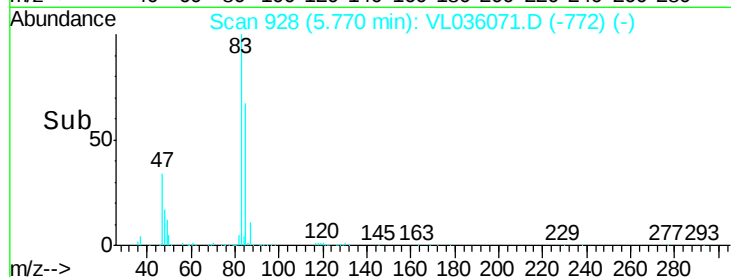
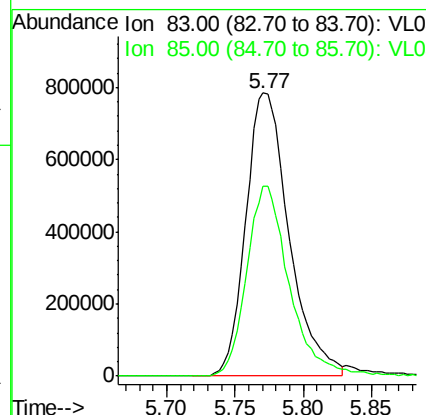
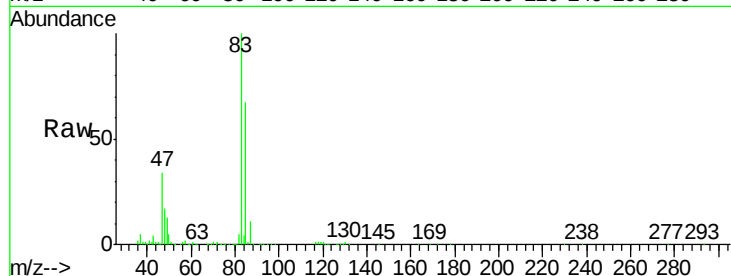
#29
Chloroform
Concen: 9.662 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

Tot Ion: 83 Resp: 1726846
Ion Ratio Lower Upper
83 100
85 67.0 51.8 77.6

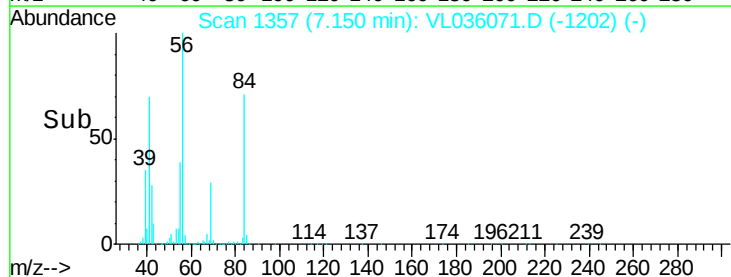
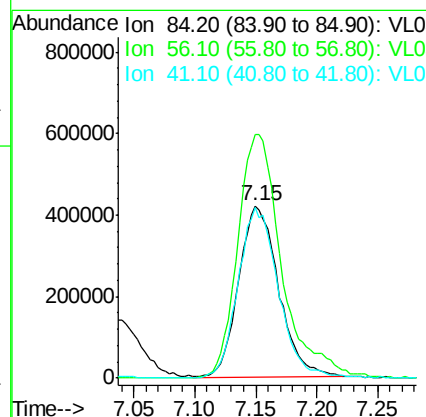
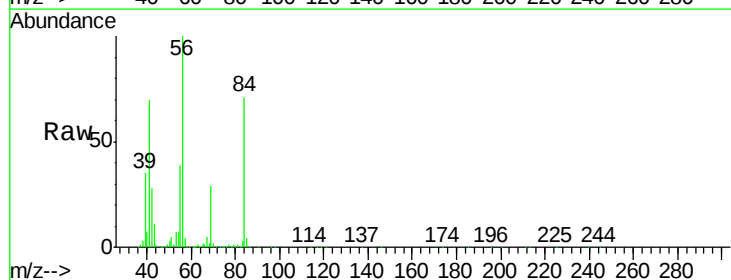
Manual Integrations
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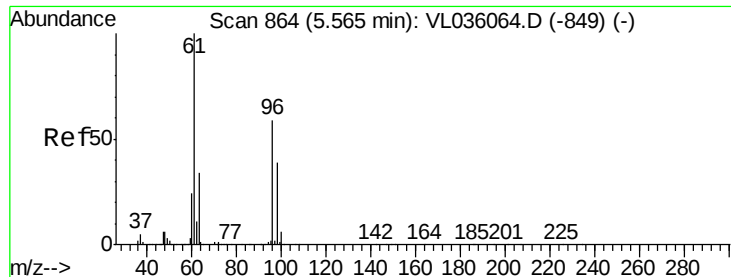
MMDadoda
12/10/2020 9:53:26 AM



#30
Cyclohexane
Concen: 9.522 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 84 Resp: 951972
Ion Ratio Lower Upper
84 100
56 157.5 128.0 192.0
41 100.8 81.3 121.9





#31

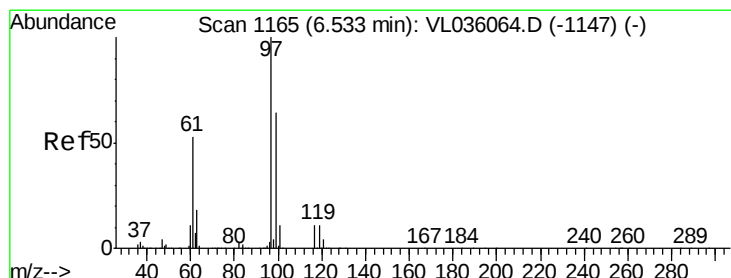
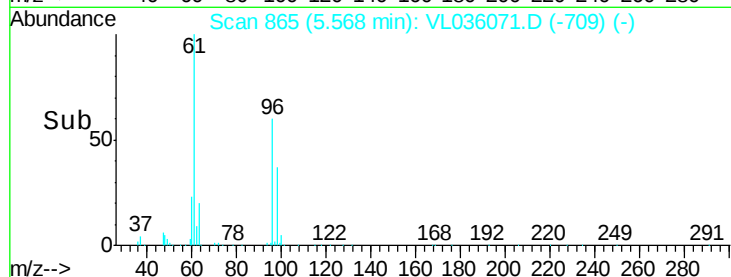
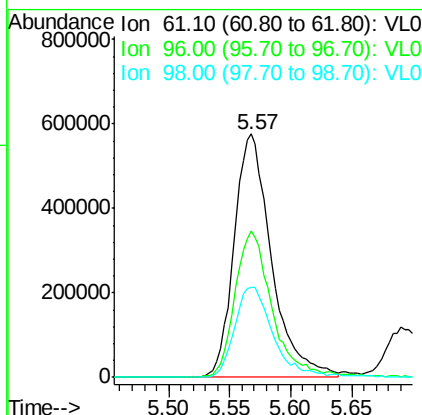
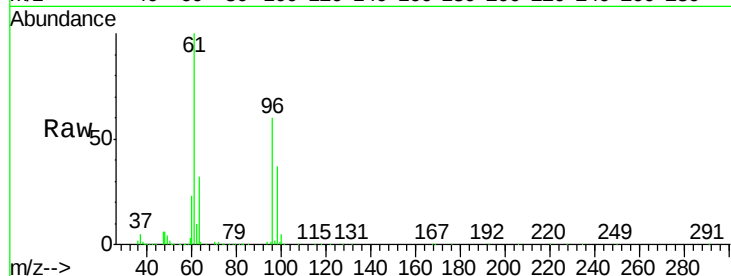
cis-1,2-Dichloroethene
Concen: 9.857 ppbv
RT: 5.57 min Scan# 865
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.1	47.3	70.9
98	36.8	31.4	47.0

Manual Integrations
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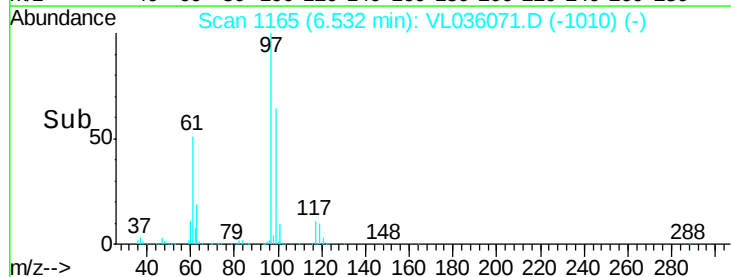
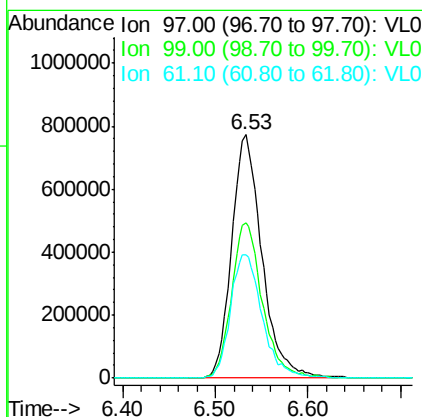
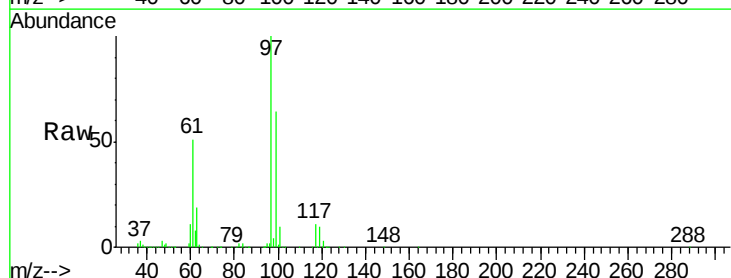
MMDadoda
12/10/2020 9:53:26 AM

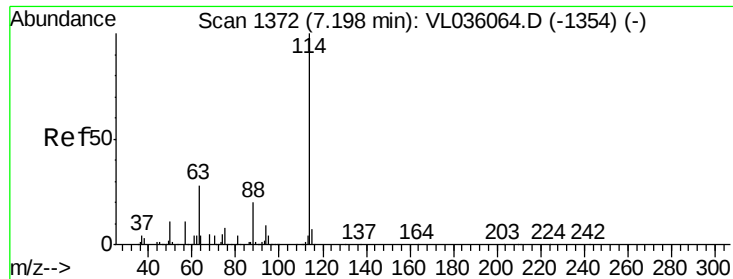


#32

1,1,1-Trichloroethane
Concen: 9.482 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.4	78.6
61	53.6	43.4	65.0





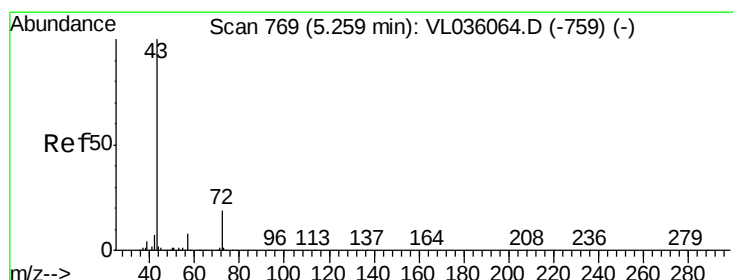
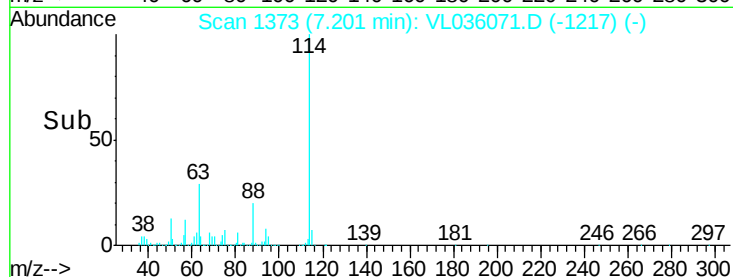
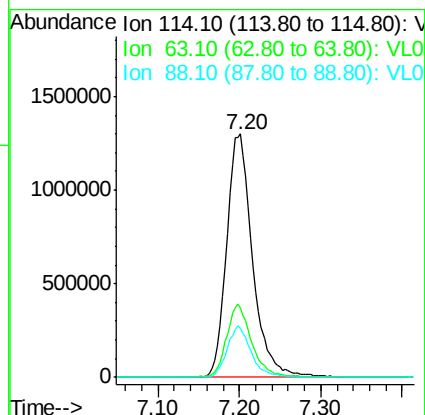
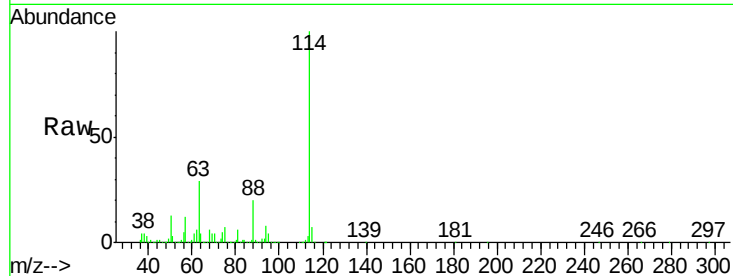
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120720

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.5	23.6	35.4
88	19.9	15.8	23.6

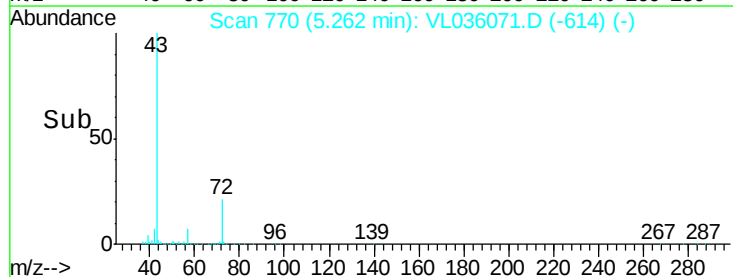
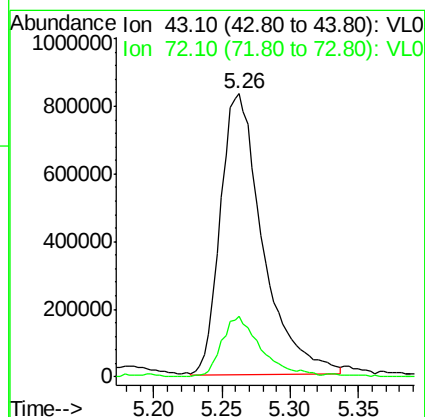
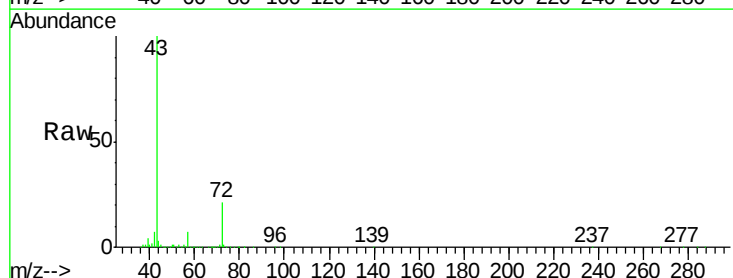
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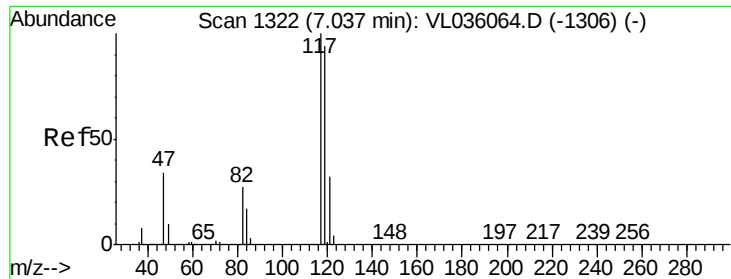
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#34
 2-Butanone
 Concen: 9.253 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.2	16.5	24.7





#35

Carbon Tetrachloride

Concen: 10.130 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion:117 Resp: 1722010

Ion Ratio Lower Upper

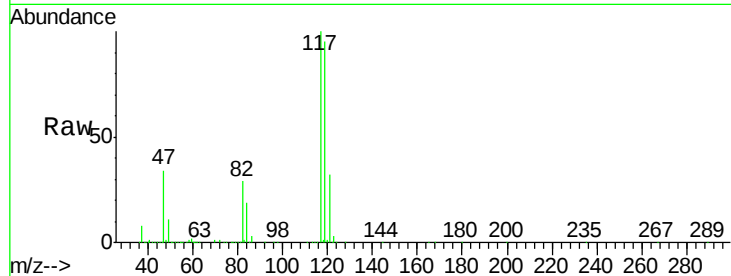
117 100

119 94.6 75.1 112.7

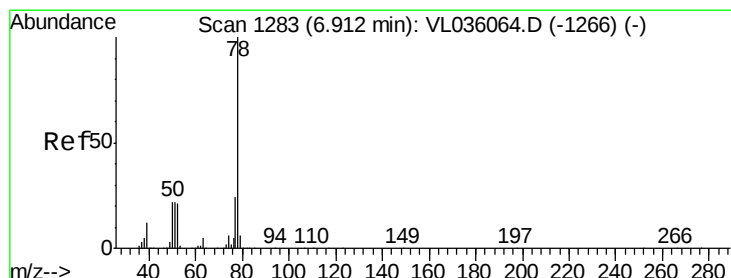
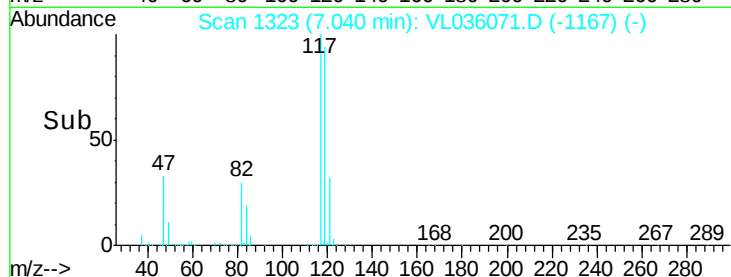
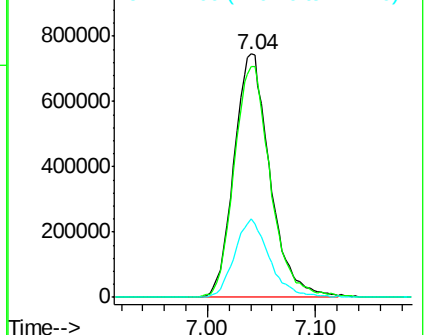
121 32.3 25.6 38.4

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



#36

Benzene

Concen: 9.642 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

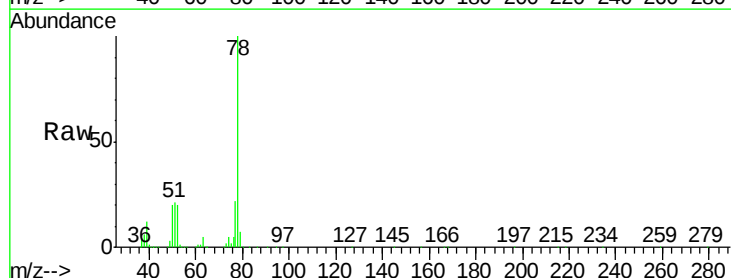
Tgt Ion: 78 Resp: 2382125

Ion Ratio Lower Upper

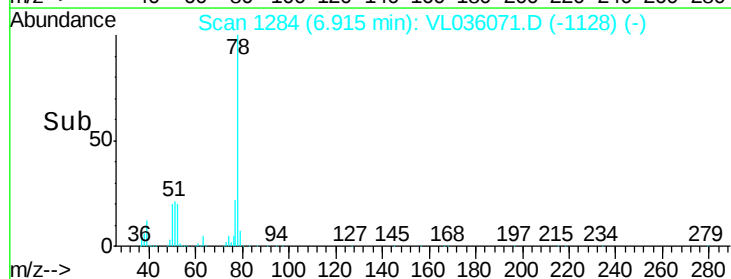
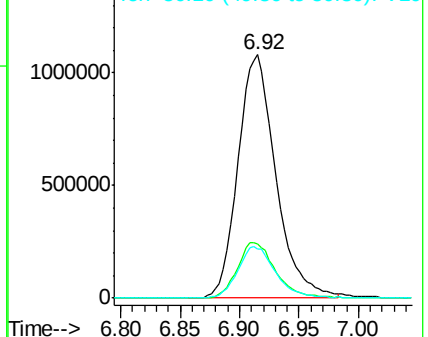
78 100

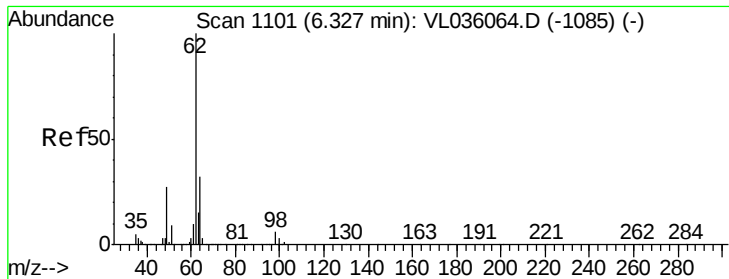
77 22.3 19.4 29.2

50 20.4 17.8 26.8



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





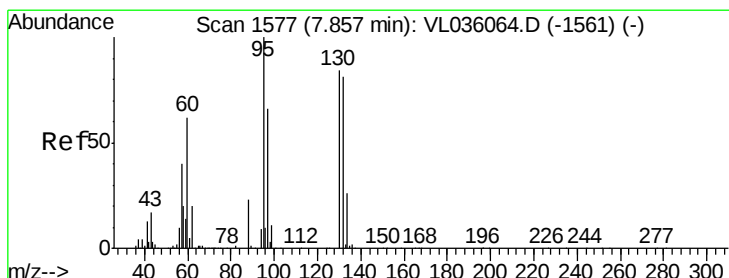
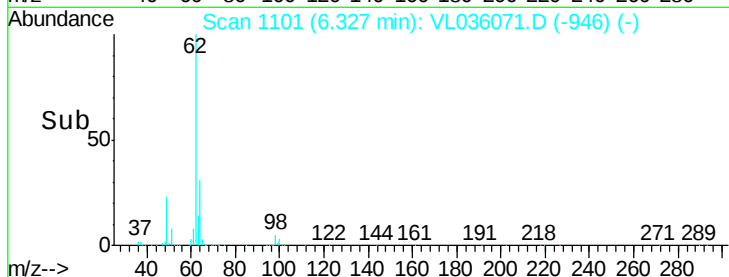
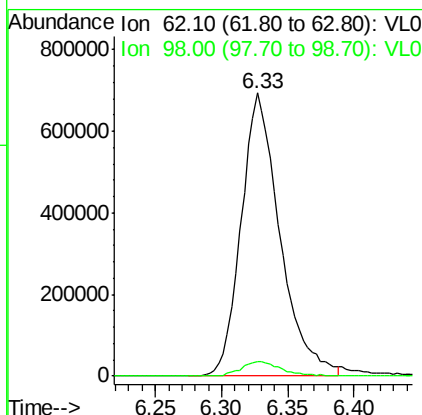
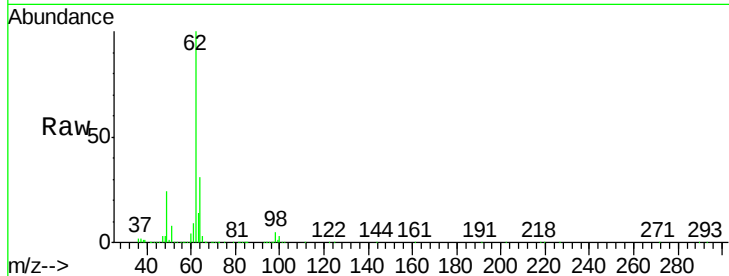
#37
 1,2-Dichloroethane
 Concen: 9.895 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120720

Tot Ion: 62 Resp: 1416622
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.6 7.0

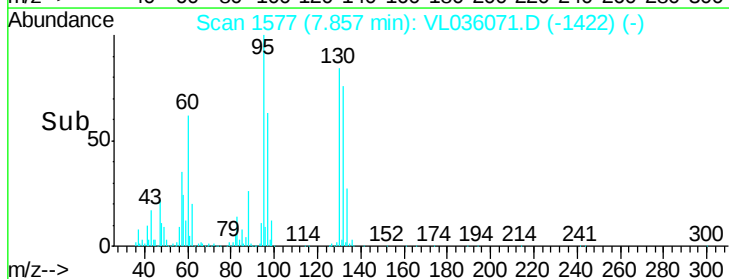
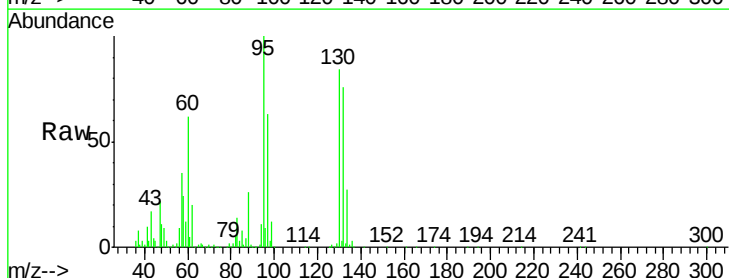
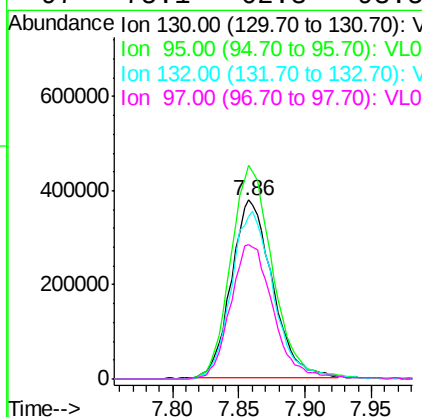
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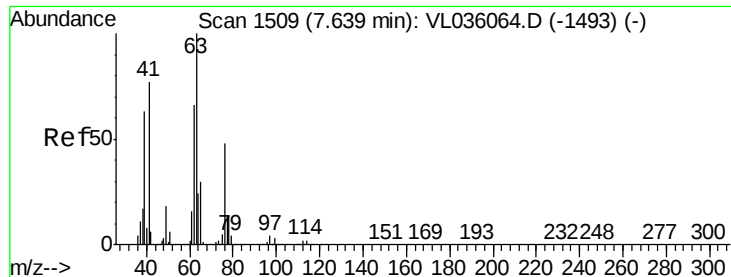
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#38
 Trichloroethene
 Concen: 8.819 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion: 130 Resp: 814443
 Ion Ratio Lower Upper
 130 100
 95 120.0 95.2 142.8
 132 91.7 76.9 115.3
 97 75.1 62.3 93.5





#39

1,2-Dichloropropane

Concen: 9.751 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

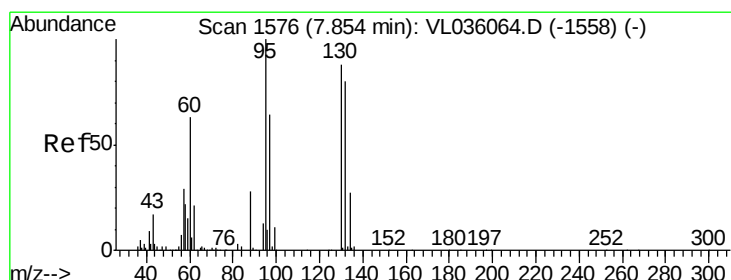
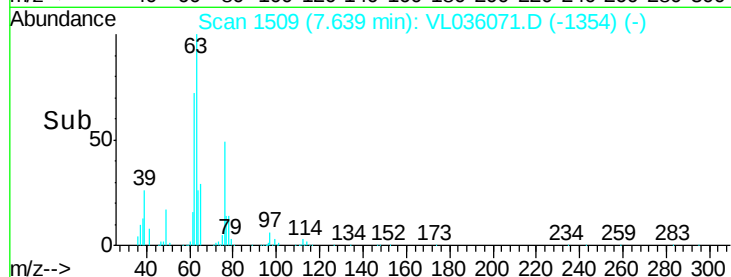
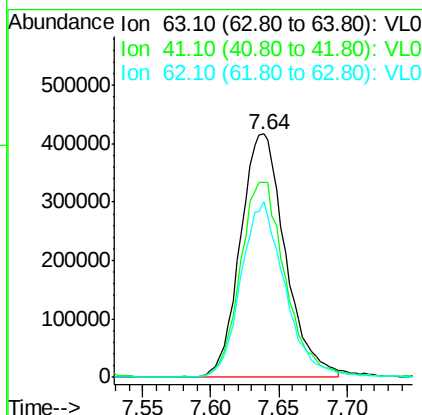
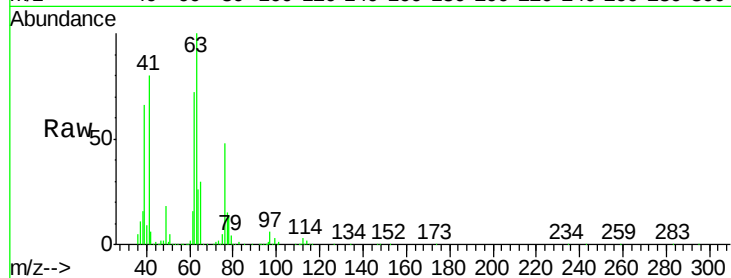
ClientSampleId :

ICVVL120720

Tot Ion:	63	Resp:	951375
Ion	Ratio	Lower	Upper
63	100		
41	79.8	61.9	92.9
62	72.0	52.5	78.7

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#40

1,4-Dioxane

Concen: 9.813 ppbv

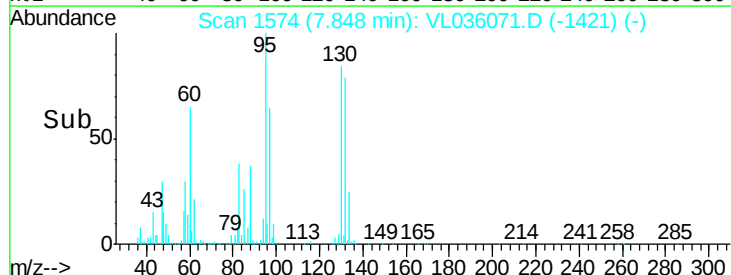
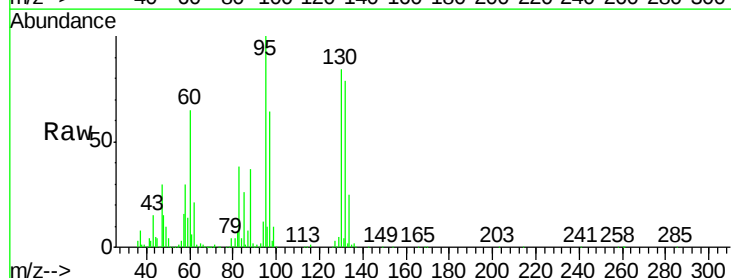
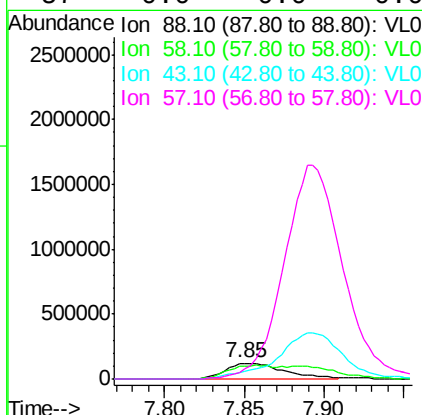
RT: 7.85 min Scan# 1574

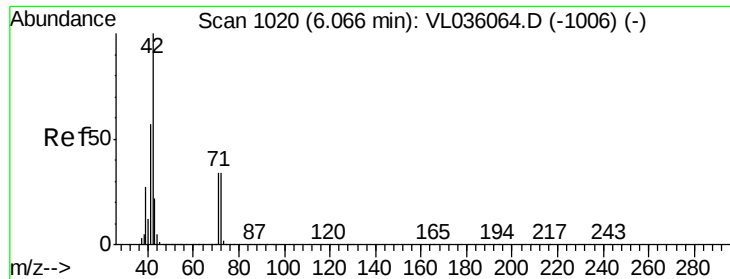
Delta R.T. -0.01 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Tgt Ion:	88	Resp:	301139
Ion	Ratio	Lower	Upper
88	100		
58	151.9	122.6	184.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 9.490 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

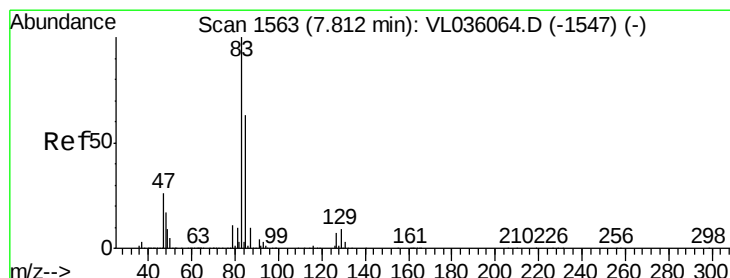
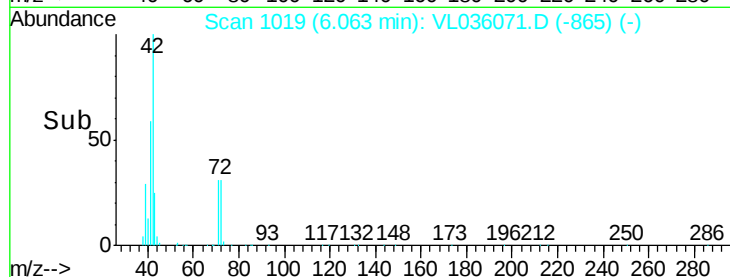
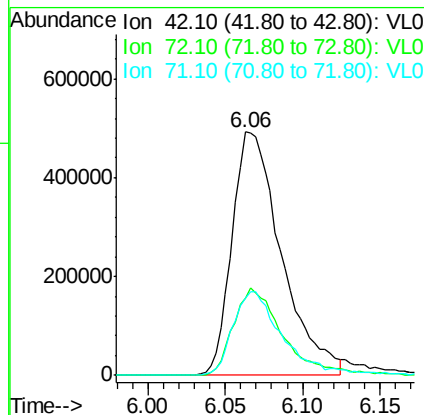
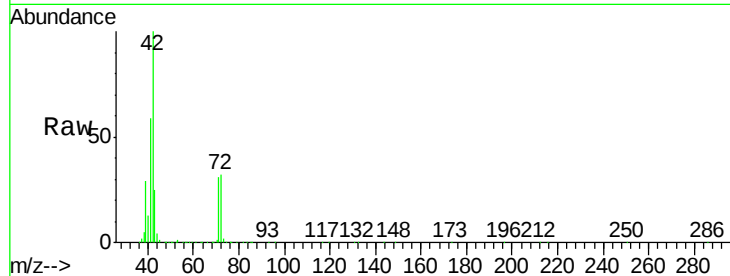
ClientSampleId :

ICVVL120720

Tot Ion:	42	Resp:	1090205
Ion	Ratio	Lower	Upper
42	100		
72	36.5	28.3	42.5
71	35.4	27.3	40.9

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#42

Bromodichloromethane

Concen: 10.184 ppbv

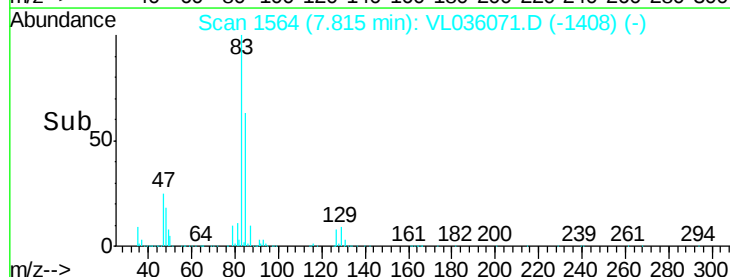
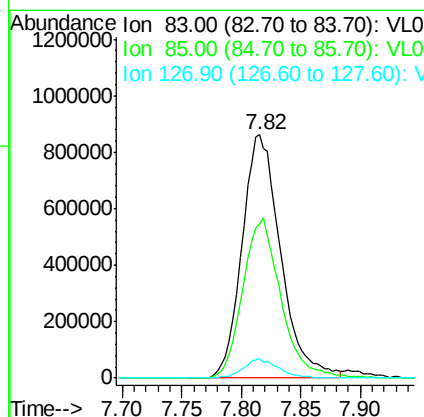
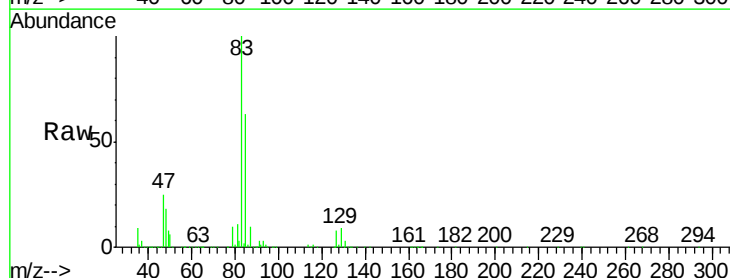
RT: 7.82 min Scan# 1564

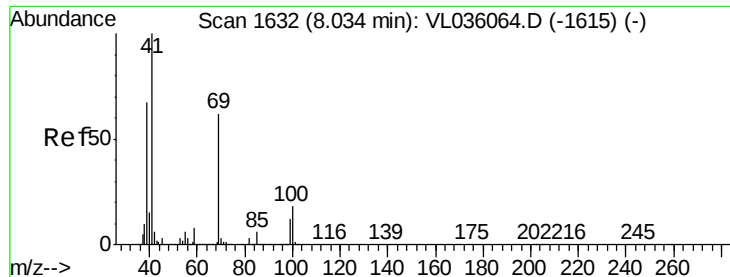
Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Tgt Ion:	83	Resp:	1942738
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.2	75.2
127	8.0	5.5	8.3





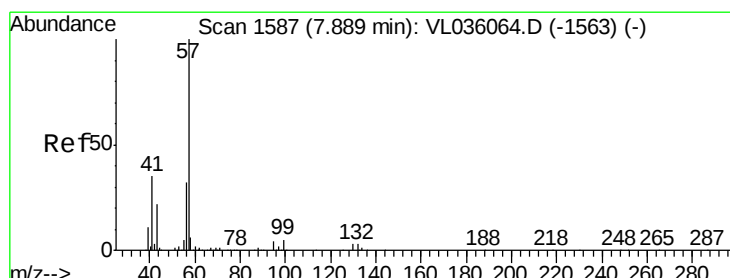
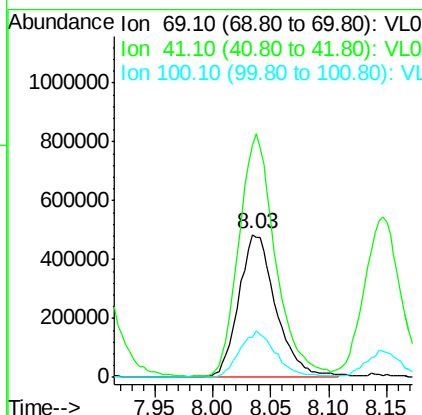
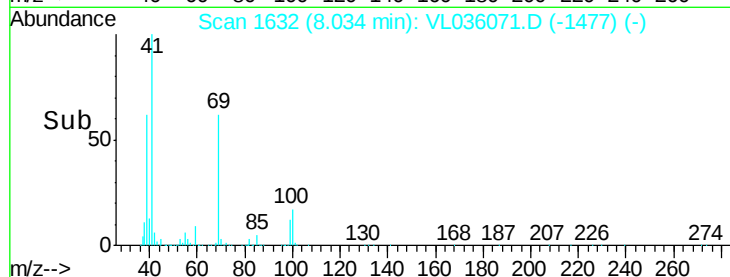
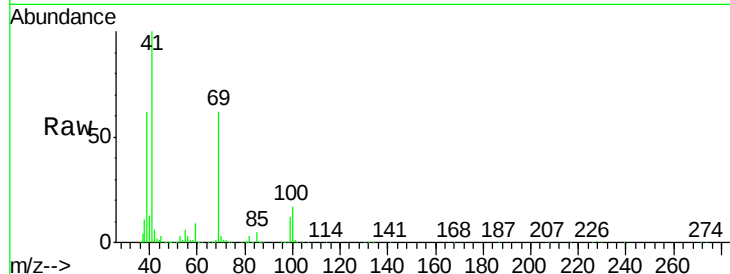
#43
Methvl Methacrilate
Concen: 10.188 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

Tot Ion: 69 Resp: 1079835
Ion Ratio Lower Upper
69 100
41 168.0 133.0 199.6
100 31.5 25.4 38.0

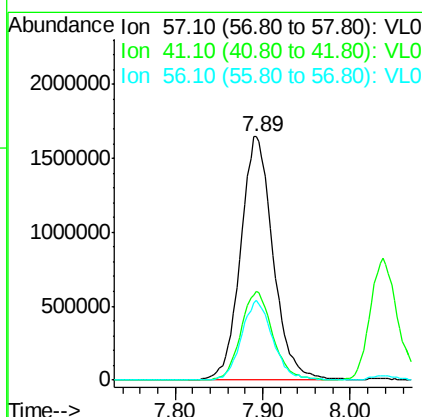
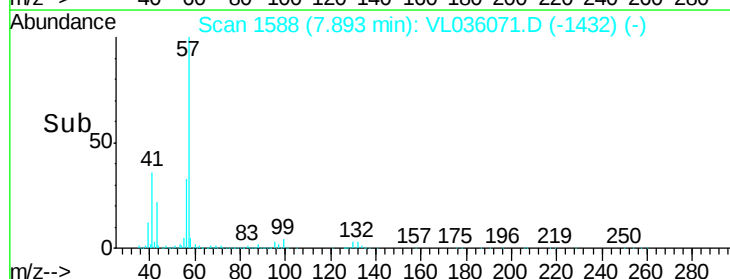
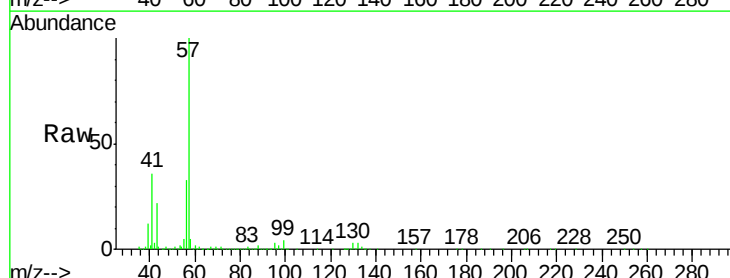
Manual Integrations
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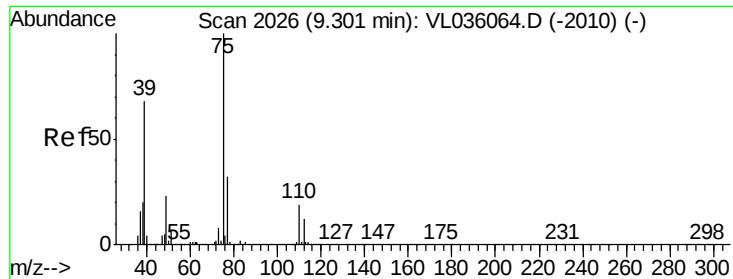
MMDadoda
12/10/2020 9:53:26 AM



#44
2,2,4-Trimethylpentane
Concen: 9.502 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 57 Resp: 4251394
Ion Ratio Lower Upper
57 100
41 35.6 28.9 43.3
56 31.5 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 11.068 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion: 75 Resp: 1205177

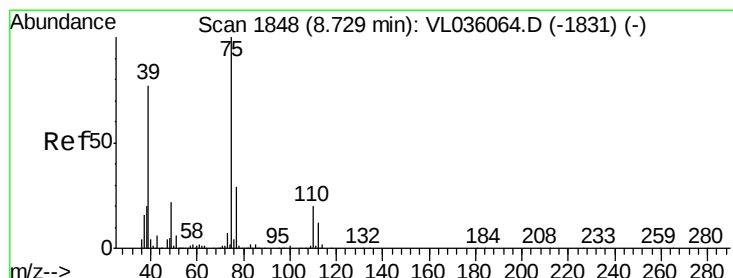
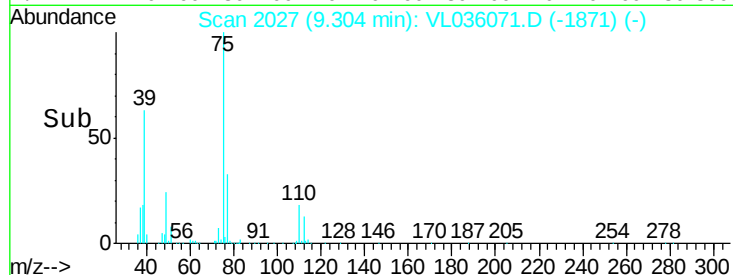
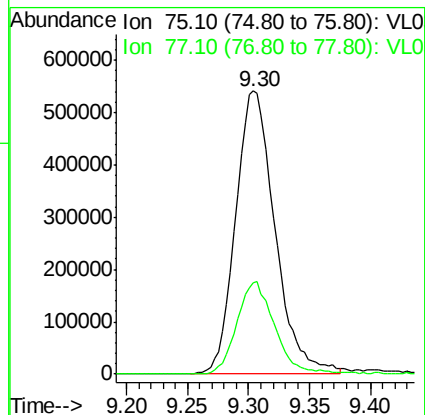
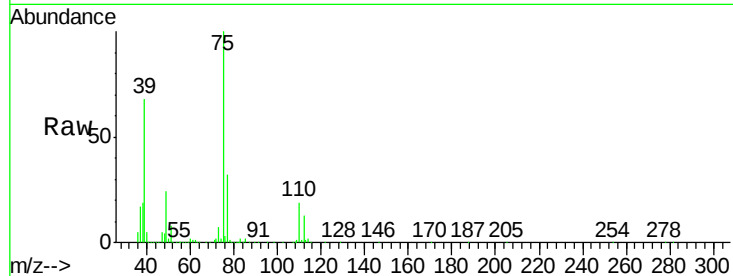
Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0

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#46

cis-1,3-Dichloropropene

Concen: 10.266 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

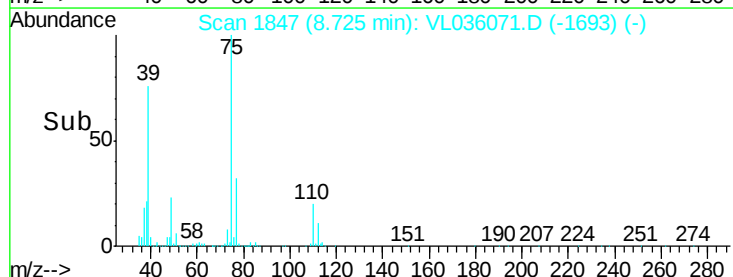
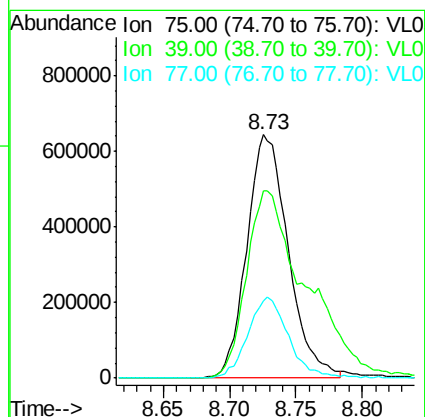
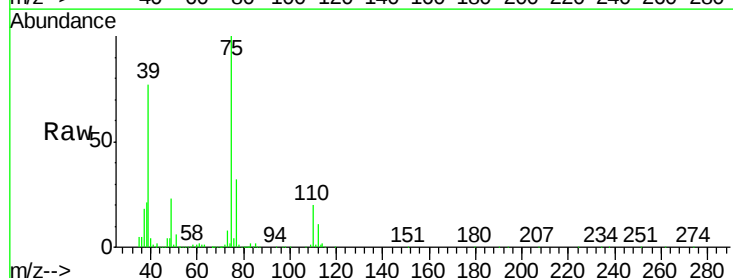
Tgt Ion: 75 Resp: 1401109

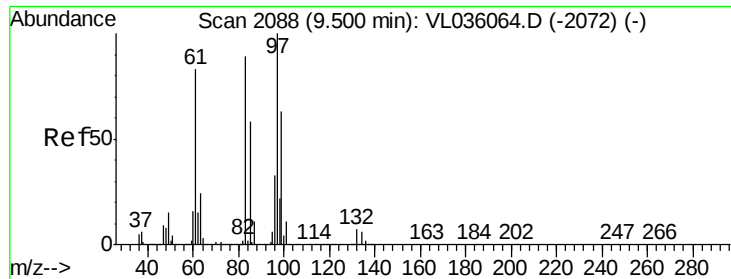
Ion Ratio Lower Upper

75 100

39 76.8 61.6 92.4

77 31.7 23.0 34.6





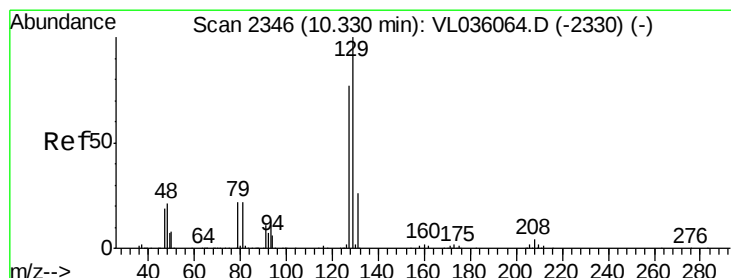
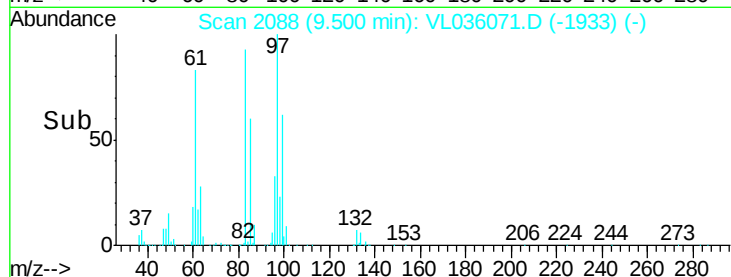
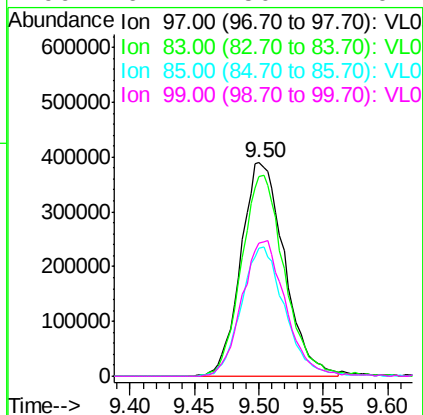
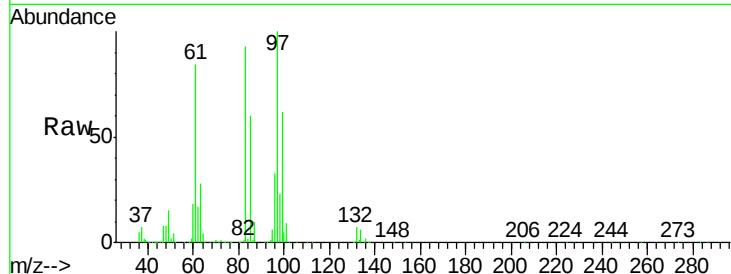
#47
 1,1,2-Trichloroethane
 Concen: 9.799 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120720

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	93.2	71.4	107.2	
85	59.9	46.6	70.0	
99	62.1	50.7	76.1	

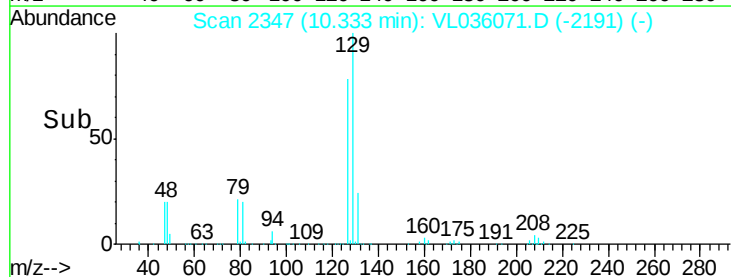
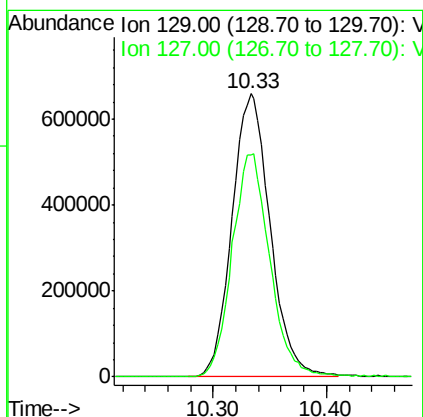
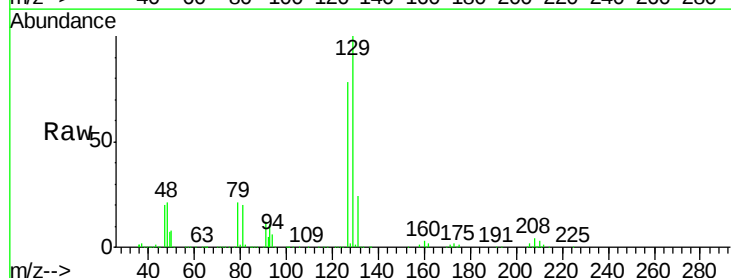
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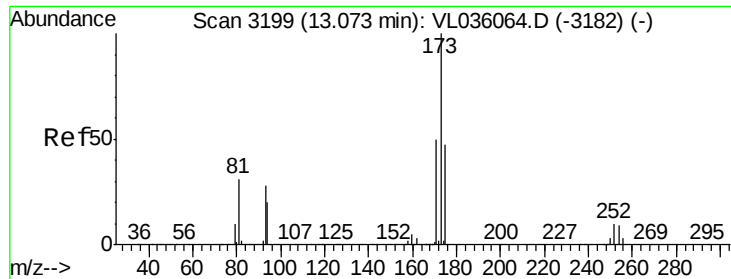
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#48
 Dibromochloromethane
 Concen: 10.884 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.1	39.0	117.0	





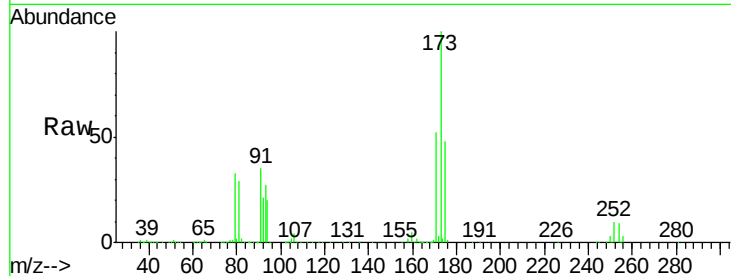
#49
Bromoform
Concen: 11.733 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

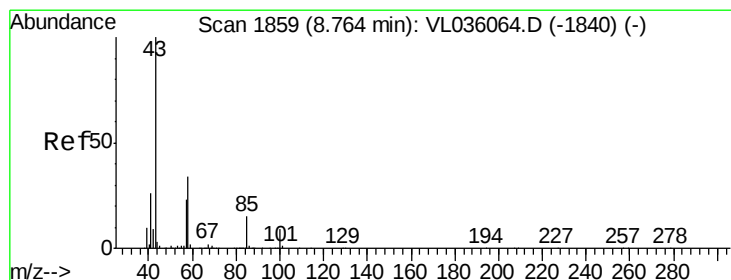
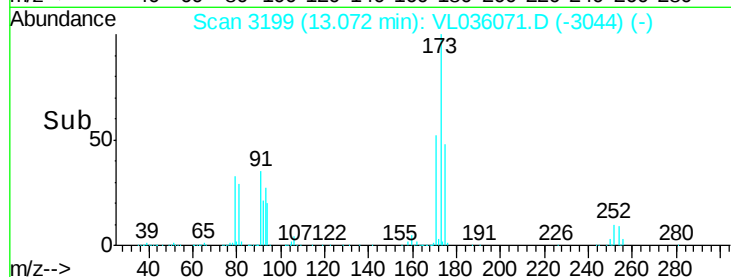
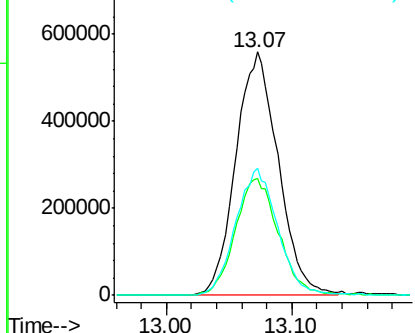
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.8	59.6
171	52.0	42.5	63.7

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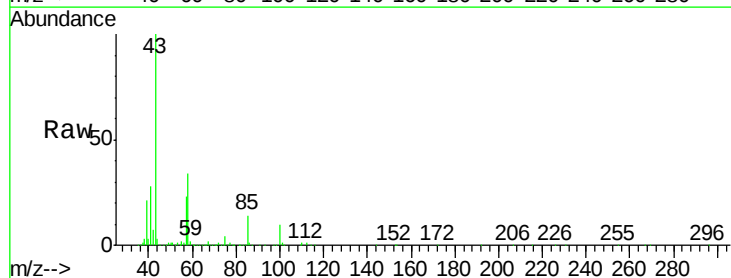


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

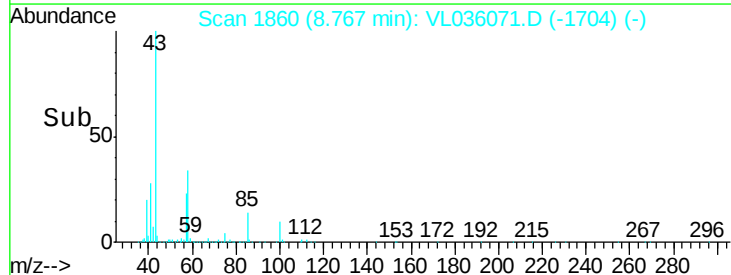
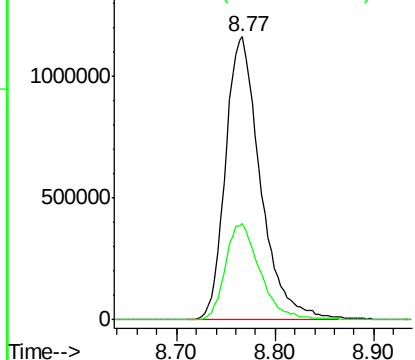


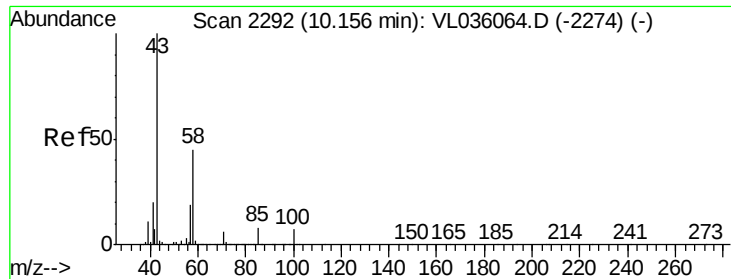
#50
4-Methyl-2-Pentanone
Concen: 9.939 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.4	41.2



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





#51

2-Hexanone

Concen: 10.348 ppbv

RT: 10.16 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion: 43 Resp: 2332629

Ion Ratio Lower Upper

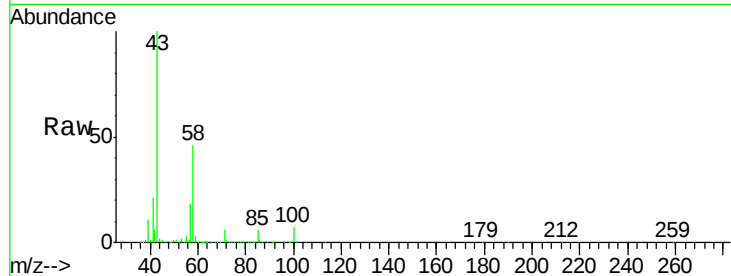
43 100

58 47.8 38.7 58.1

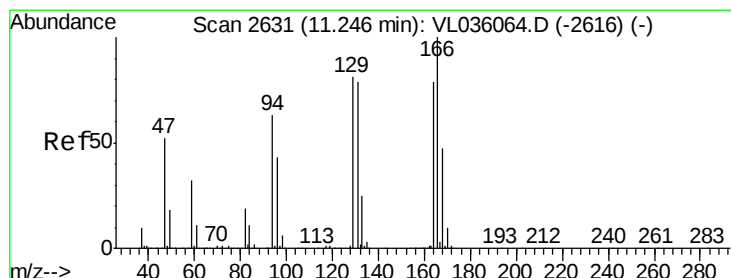
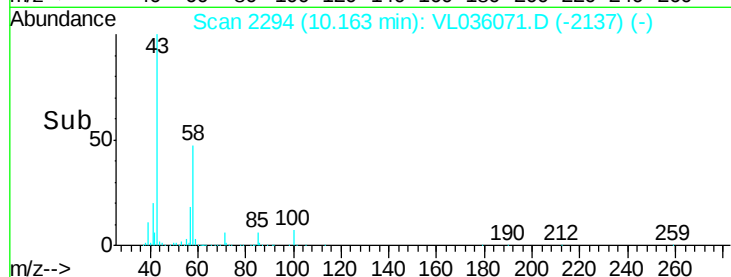
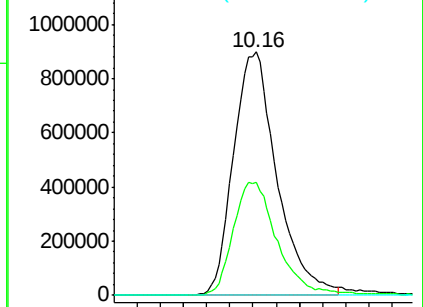
98 0.1 0.1 0.1

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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: 8.806 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Tgt Ion: 164 Resp: 787587

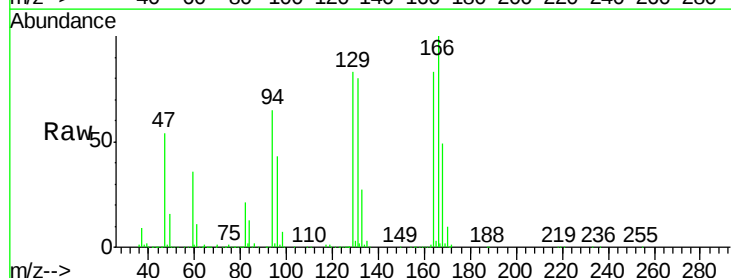
Ion Ratio Lower Upper

164 100

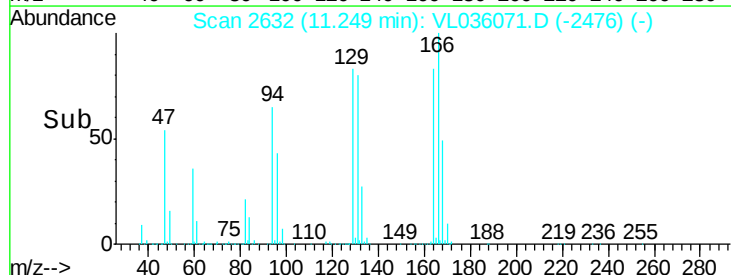
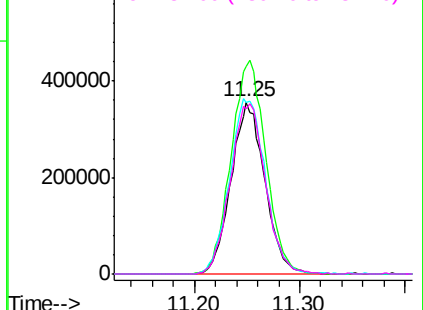
166 120.4 101.9 152.9

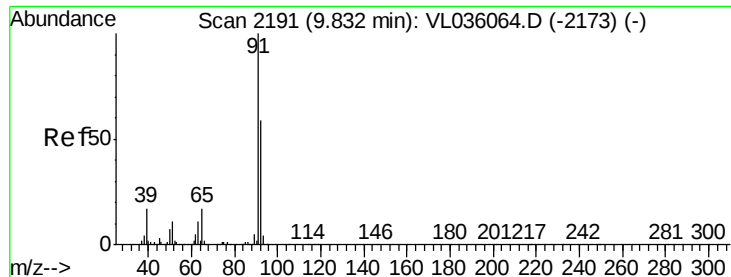
129 99.5 82.1 123.1

131 96.2 80.8 121.2



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: 9.848 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion: 91 Resp: 2731974

Ion Ratio Lower Upper

91 100

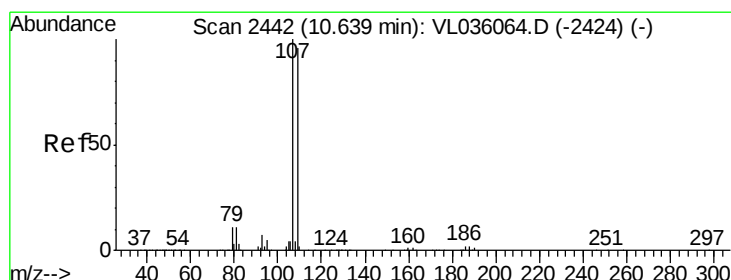
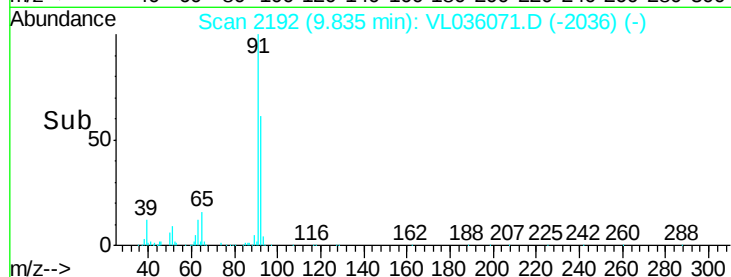
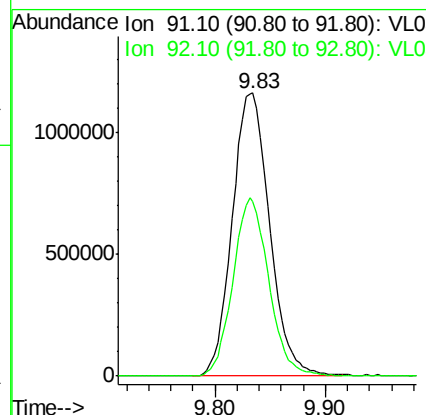
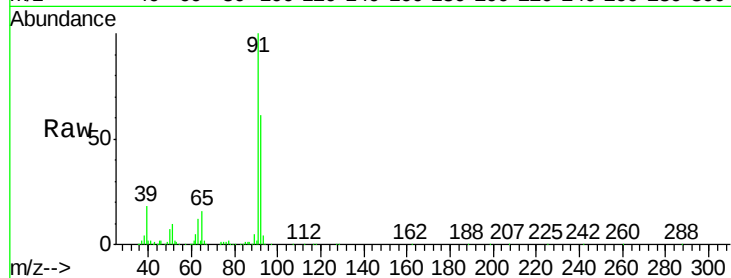
92 60.6 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 9.948 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL036071.D

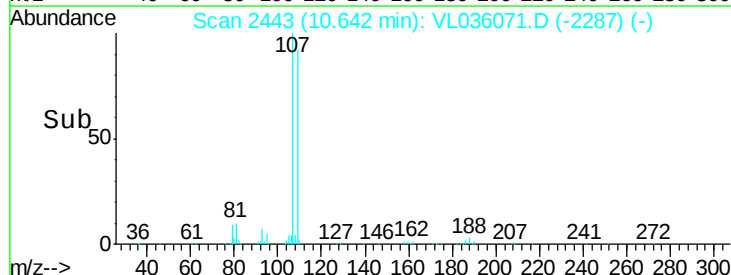
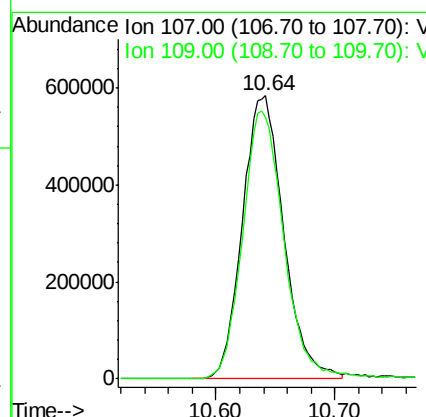
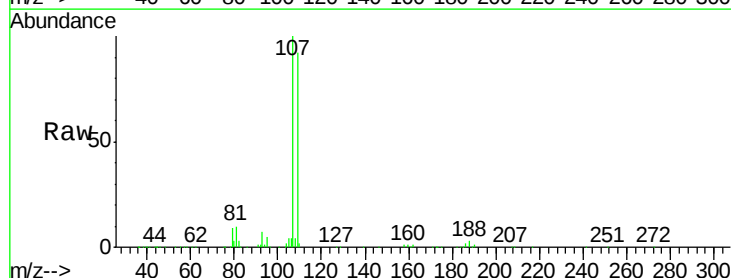
Acq: 7 Dec 2020 17:14

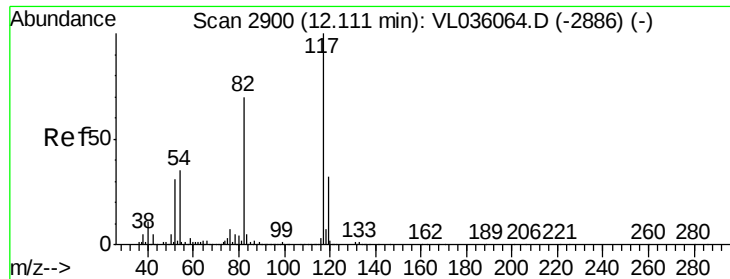
Tgt Ion: 107 Resp: 1399663

Ion Ratio Lower Upper

107 100

109 92.4 76.6 115.0





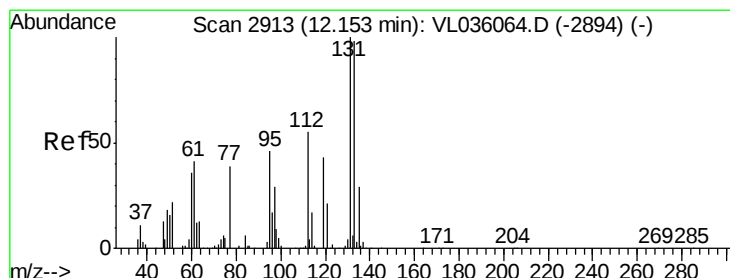
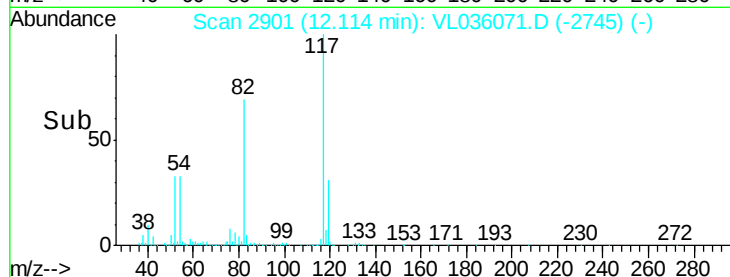
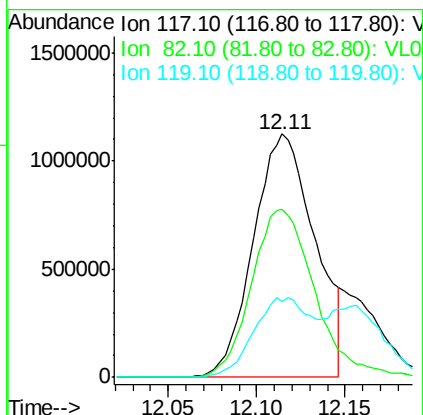
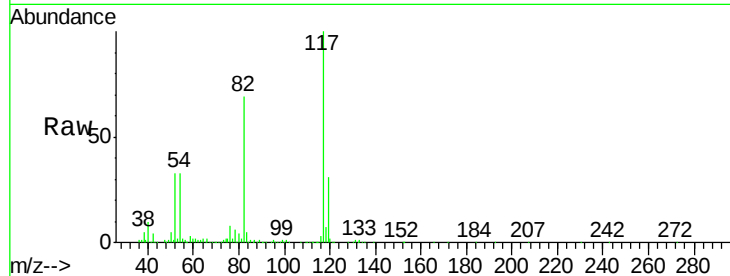
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

Tot Ion:117 Resp: 2728933
Ion Ratio Lower Upper
117 100
82 71.3 0.0 0.0#
119 31.5 0.0 0.0#

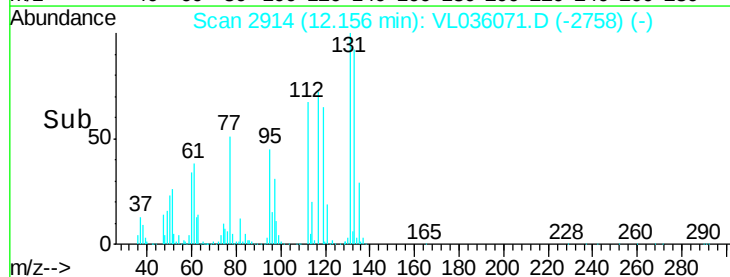
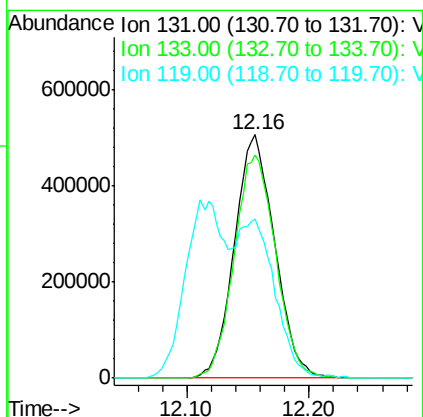
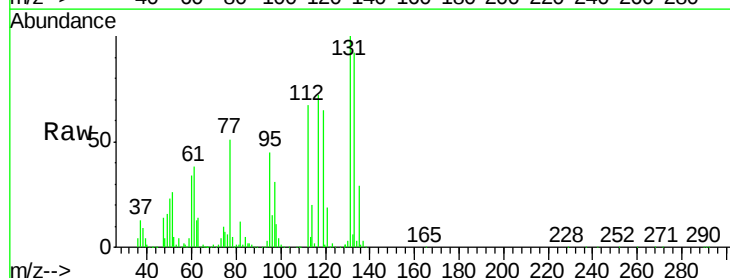
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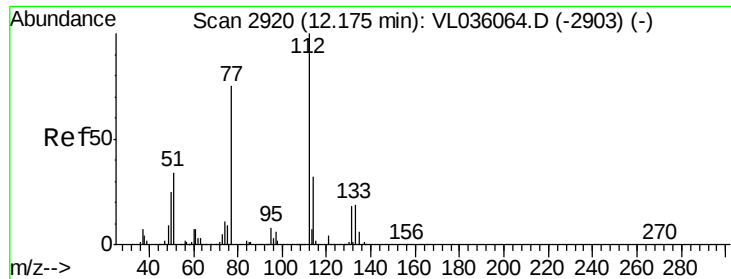
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.198 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion:131 Resp: 1153964
Ion Ratio Lower Upper
131 100
133 94.9 77.7 116.5
119 60.8 51.6 77.4





#57

Chlorobenzene

Concen: 9.833 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion:112 Resp: 1883801

Ion Ratio Lower Upper

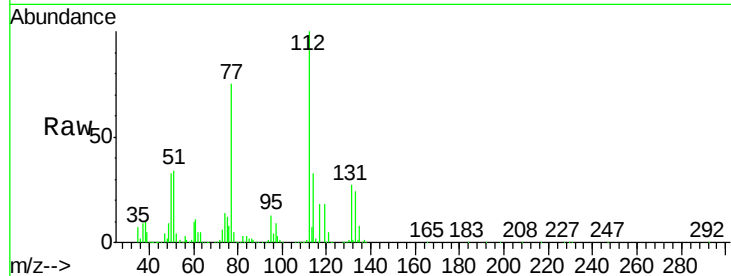
112 100

77 74.4 60.5 90.7

114 32.6 29.2 35.6

Manual Integrations
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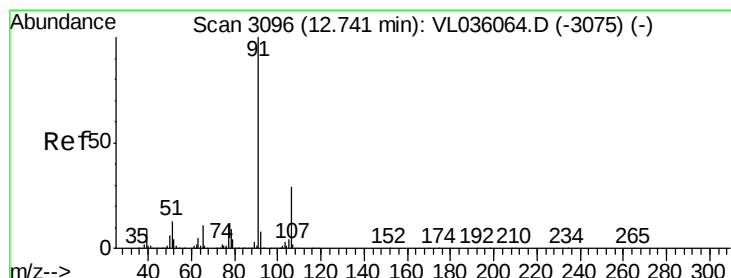
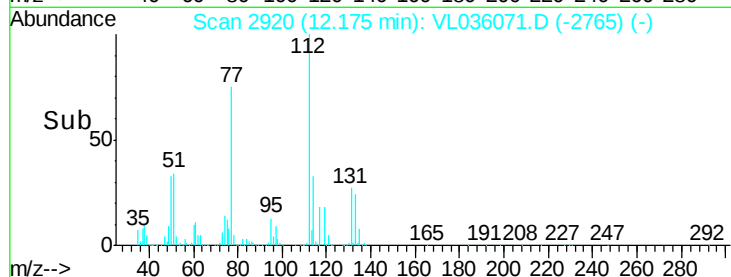
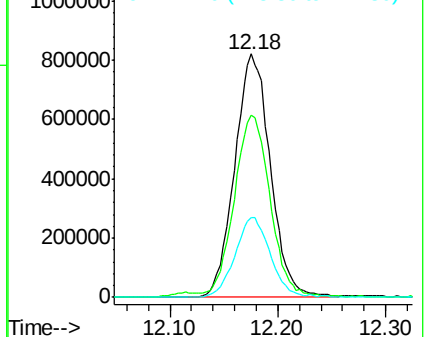
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.868 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. -0.00 min

Lab File: VL036071.D

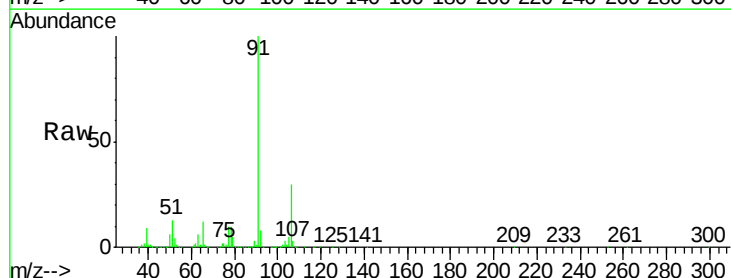
Acq: 7 Dec 2020 17:14

Tgt Ion: 91 Resp: 3690505

Ion Ratio Lower Upper

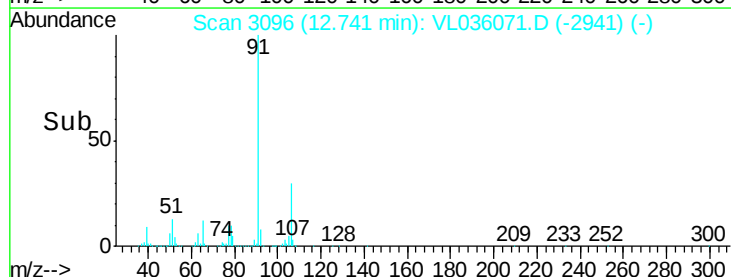
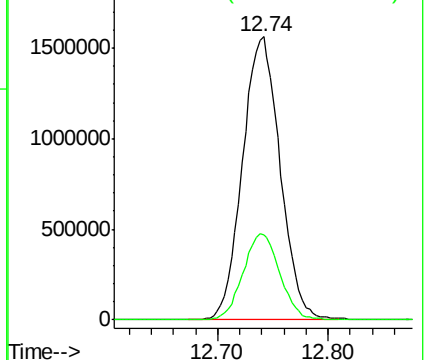
91 100

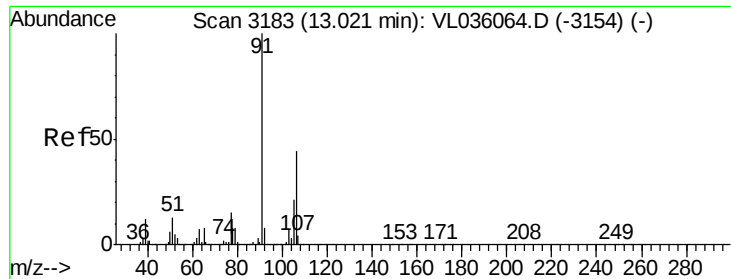
106 30.1 23.0 34.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





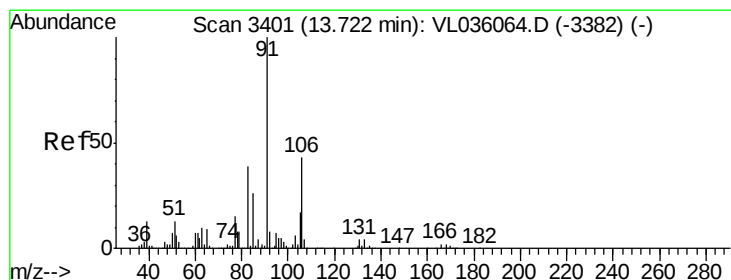
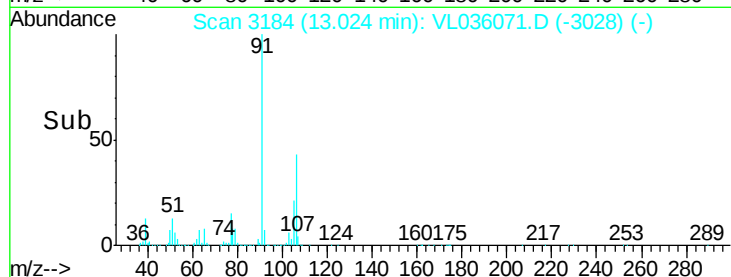
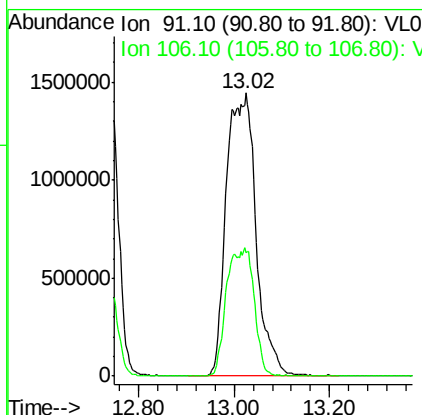
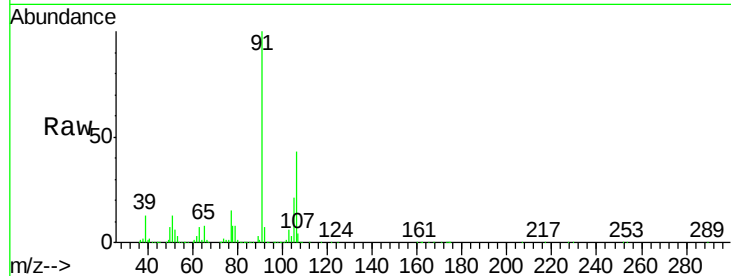
#59
m/p-Xylene
Concen: 19.744 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

Tot Ion: 91 Resp: 6219124
Ion Ratio Lower Upper
91 100
106 42.2 33.6 50.4

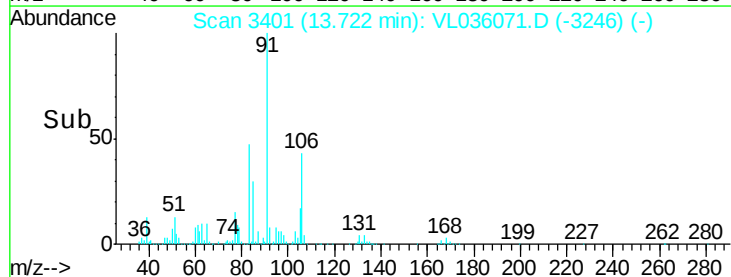
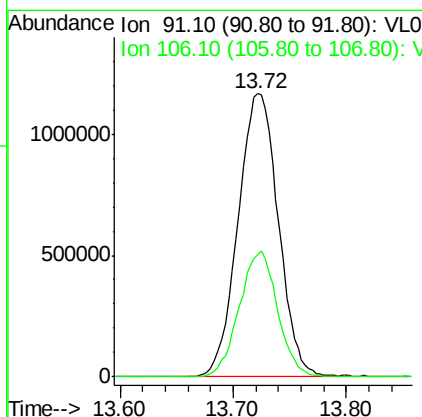
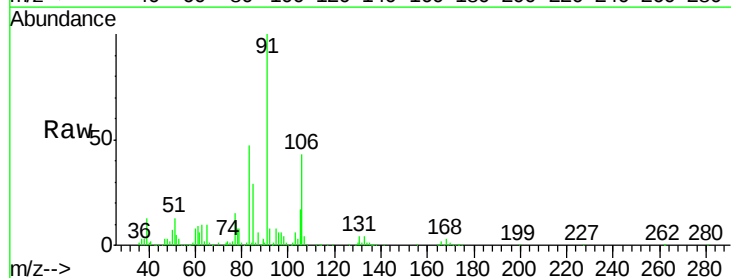
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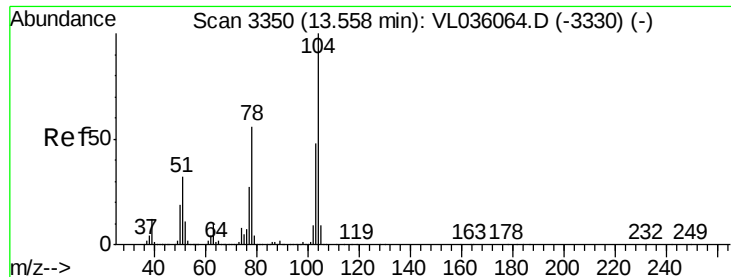
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#60
o-Xylene
Concen: 9.703 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion: 91 Resp: 2879531
Ion Ratio Lower Upper
91 100
106 42.6 21.6 64.6





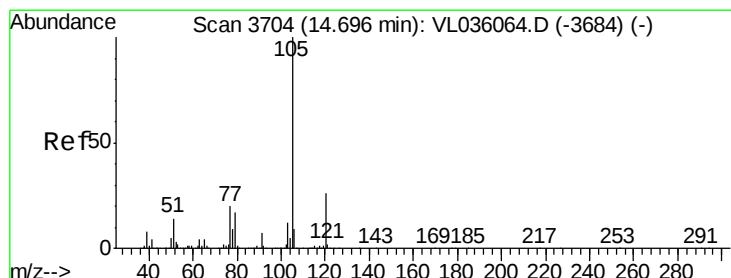
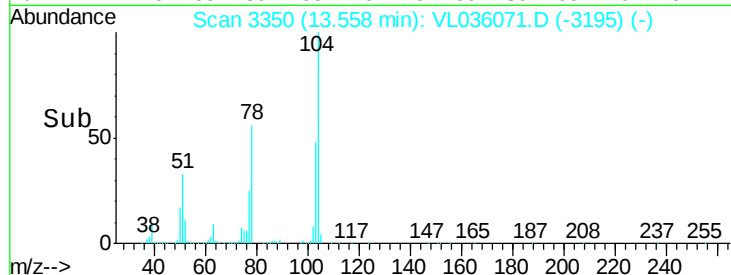
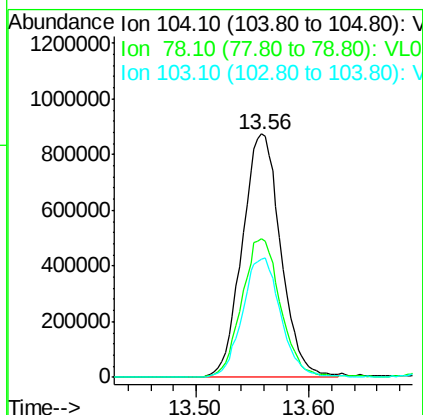
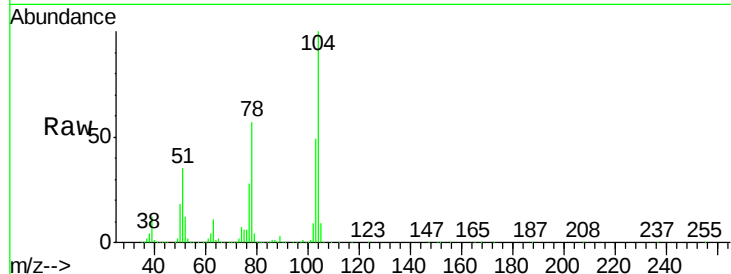
#61
Stvrene
Concen: 10.872 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.5	45.8	68.8
103	48.9	38.6	57.8

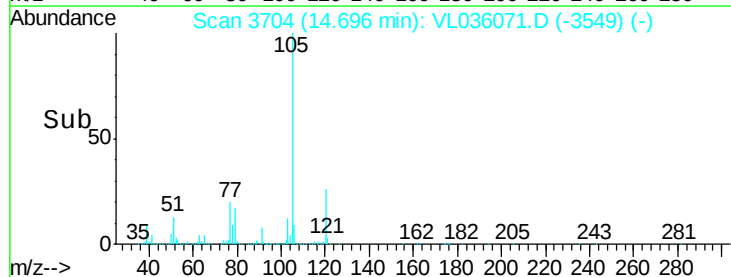
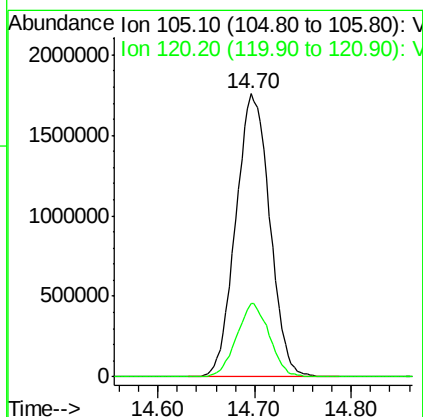
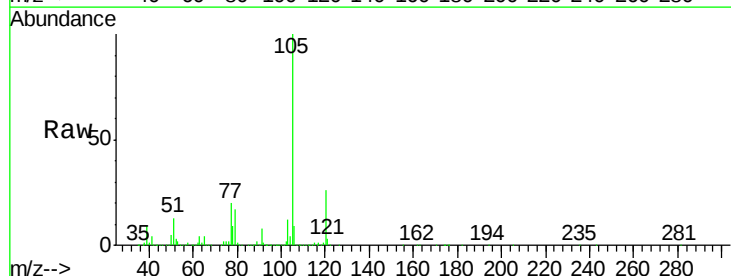
Manual Integrations
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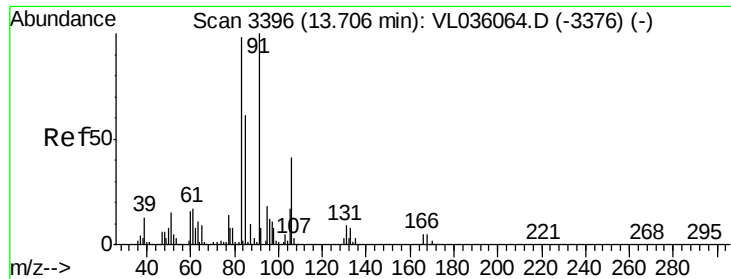
MMDadoda
12/10/2020 9:53:26 AM



#62
Isopropylbenzene
Concen: 9.769 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.1	30.1





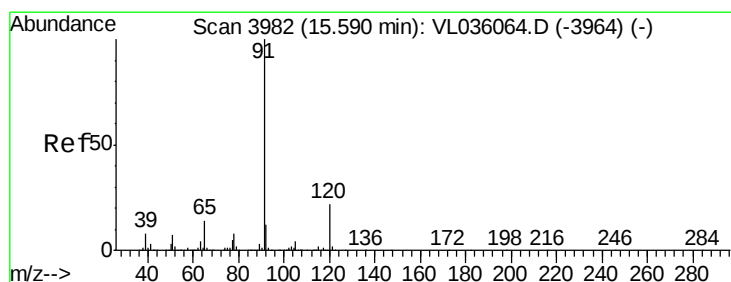
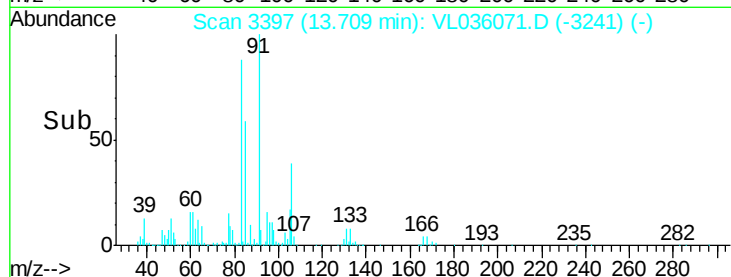
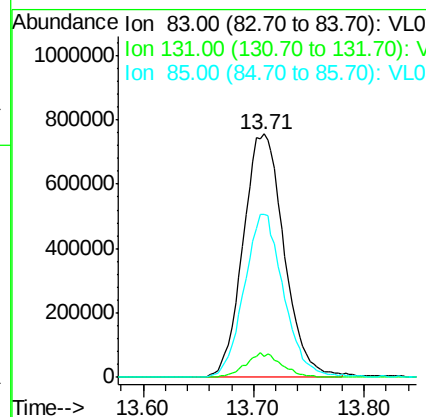
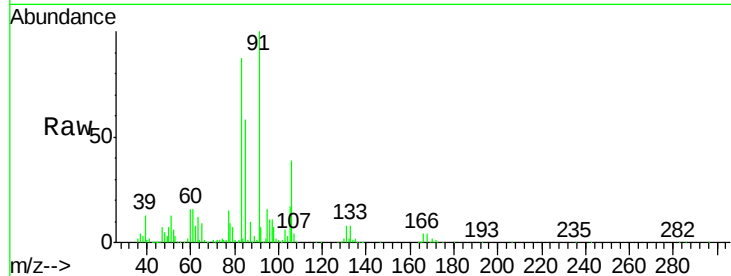
#63
1,1,2,2-Tetrachloroethane
Concen: 9.729 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

Tot Ion	83	Resp	1944473
Ion Ratio	100	Lower	Upper
83	100		
131	9.1	4.6	13.8
85	65.3	32.5	97.5

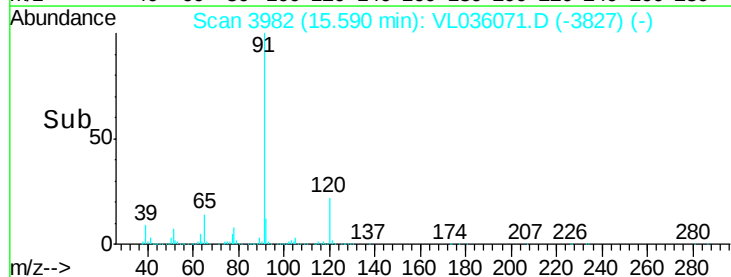
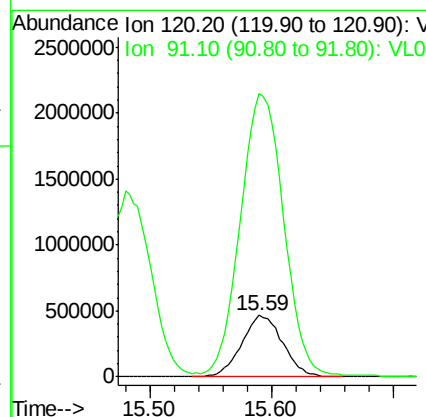
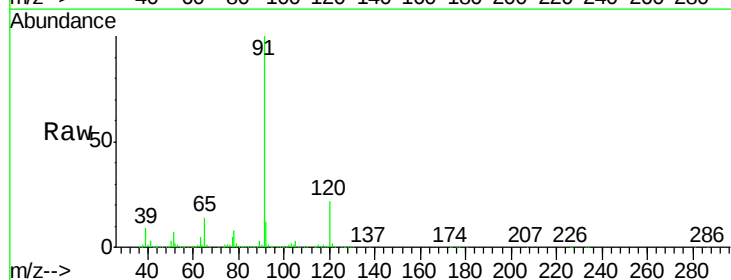
Manual Integrations
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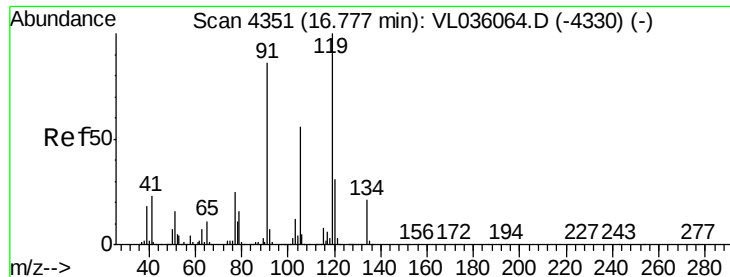
MMDadoda
12/10/2020 9:53:26 AM



#64
n-propylbenzene
Concen: 10.246 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion	120	Resp	1084390
Ion Ratio	100	Lower	Upper
120	100		
91	487.6	388.9	583.3





#65

tert-Butylbenzene

Concen: 10.072 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion:119 Resp: 3626603

Ion Ratio Lower Upper

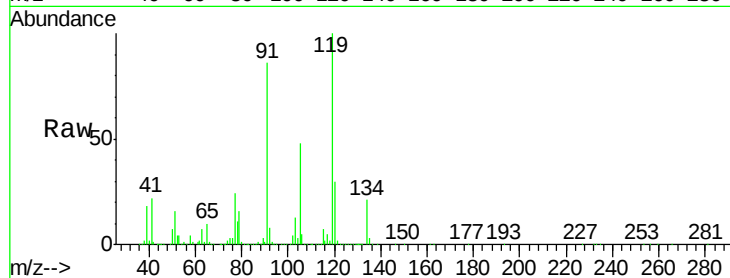
119 100

91 88.1 70.2 105.2

134 19.7 15.8 23.6

Manual Integrations
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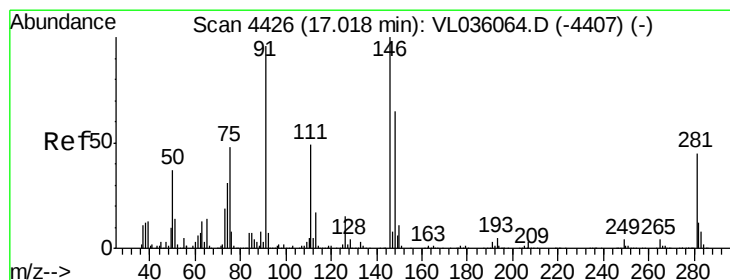
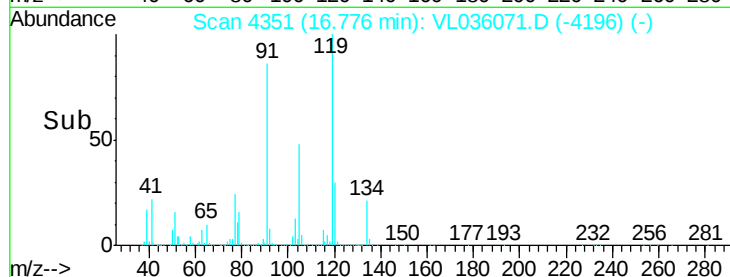
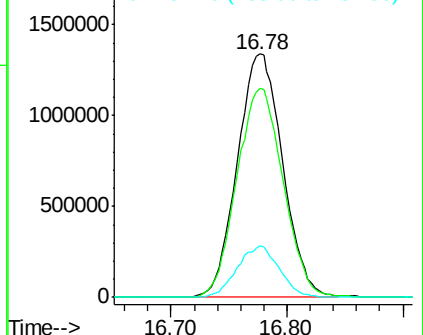
MMDadoda
12/10/2020 9:53:26 AM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 15.761 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

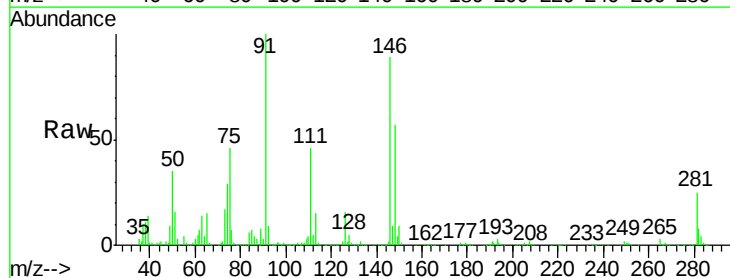
Tgt Ion: 91 Resp: 1413075

Ion Ratio Lower Upper

91 100

126 16.8 13.5 20.3

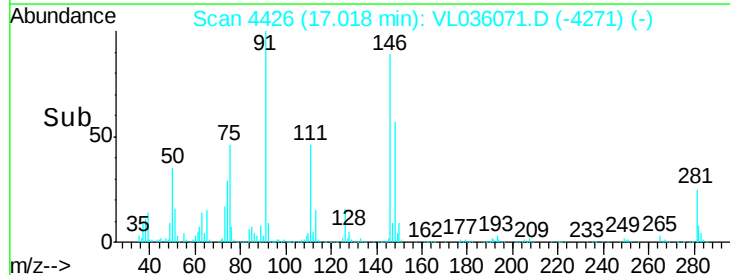
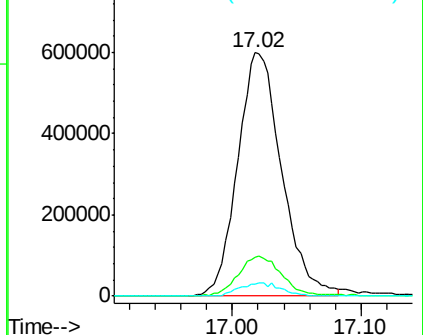
128 5.4 4.4 6.6

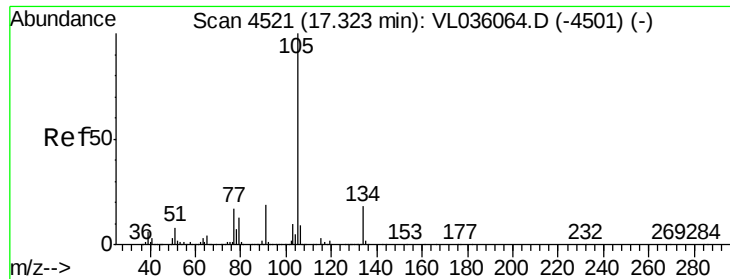


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





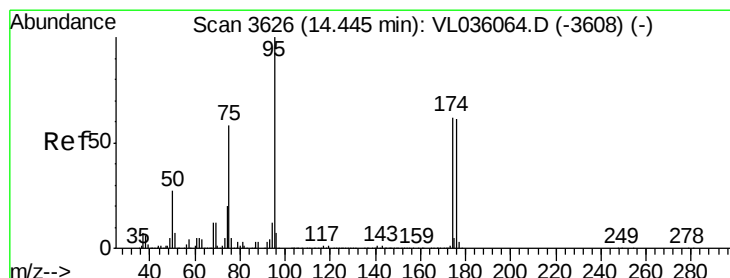
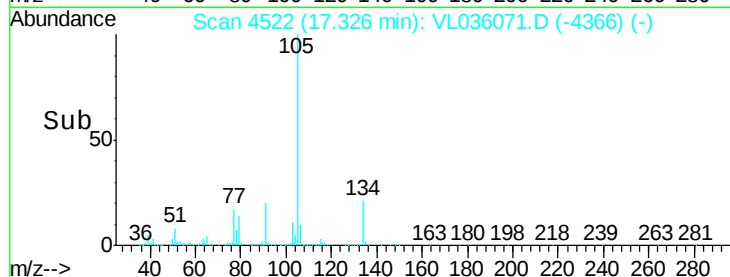
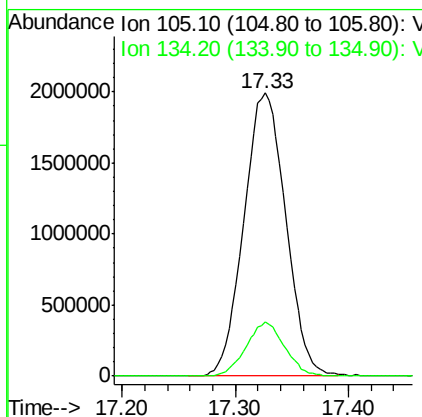
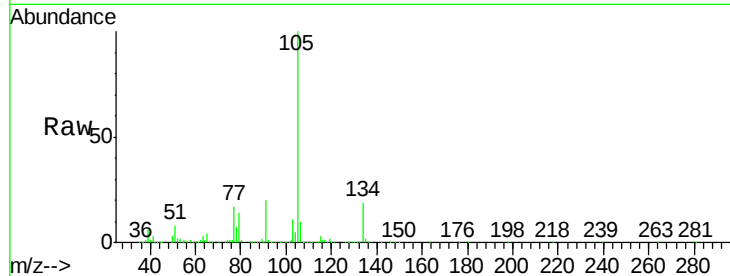
#67
 sec-Butylbenzene
 Concen: 10.162 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120720

Tot Ion:105 Resp: 5120932
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.2 21.4

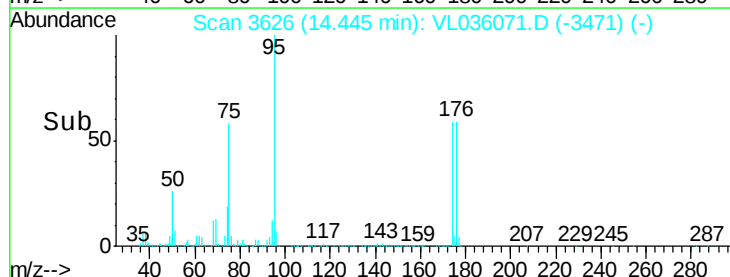
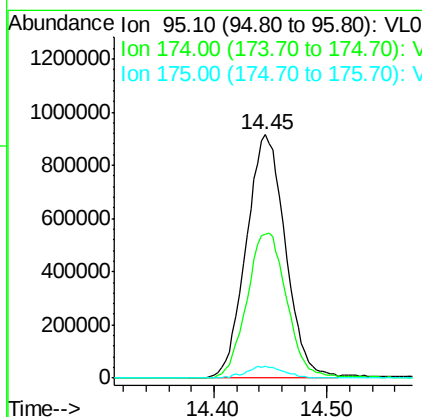
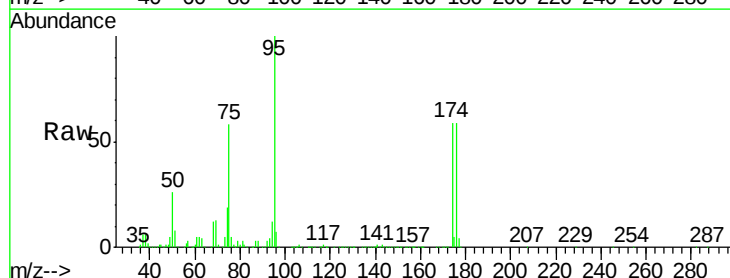
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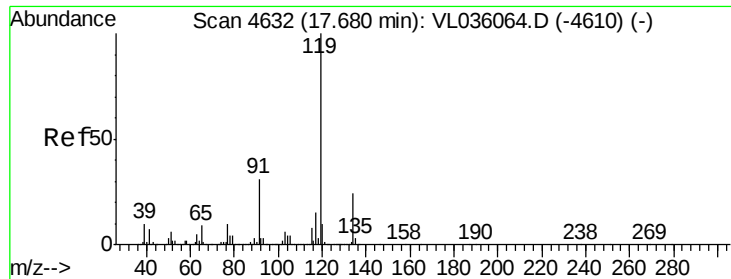
MMDadoda
 12/10/2020 9:53:26 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.156 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion: 95 Resp: 2200785
 Ion Ratio Lower Upper
 95 100
 174 61.0 50.7 76.1
 175 4.7 4.0 6.0





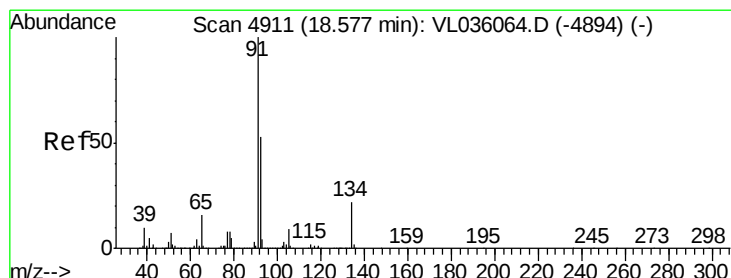
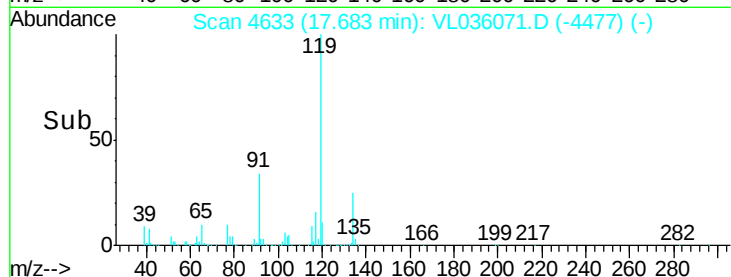
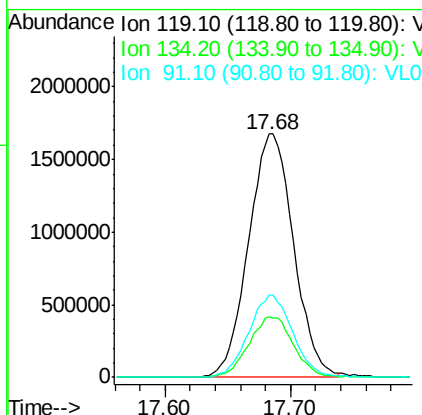
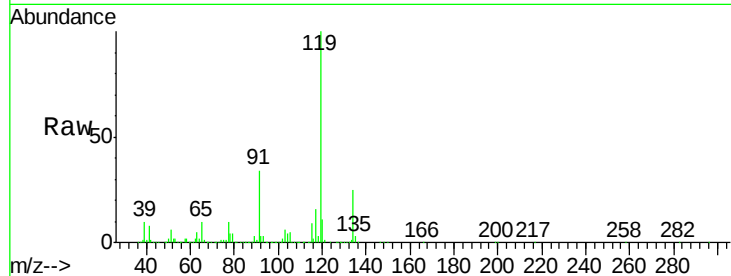
#69
 p-Isopropyltoluene
 Concen: 10.424 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120720

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.7	19.8	29.6
91	33.0	25.8	38.6

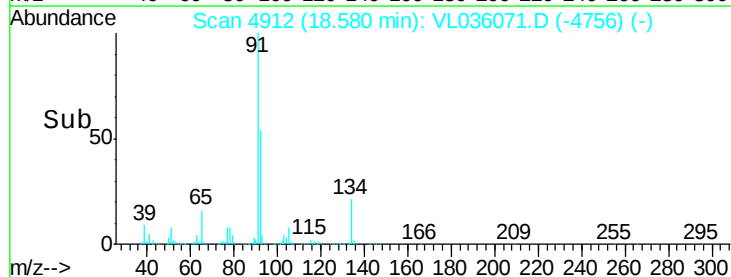
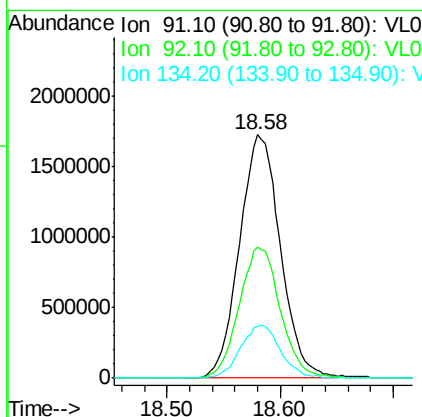
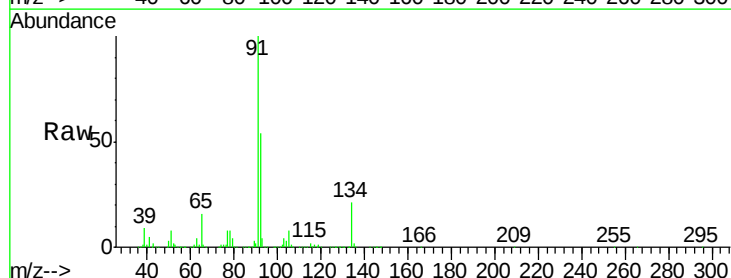
Manual Integrations
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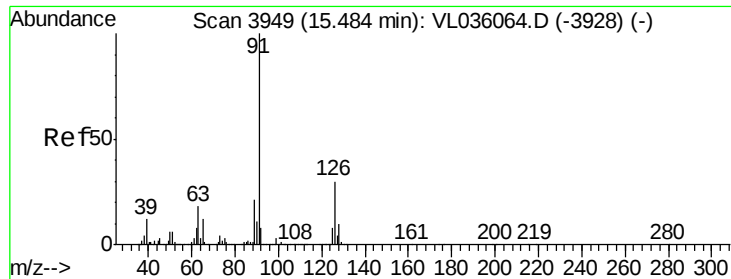
MMDadoda
 12/10/2020 9:53:26 AM



#70
 n-Butylbenzene
 Concen: 10.906 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.3	64.9
134	21.5	17.1	25.7





#71

2-Chlorotoluene

Concen: 10.226 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion: 91 Resp: 3400431

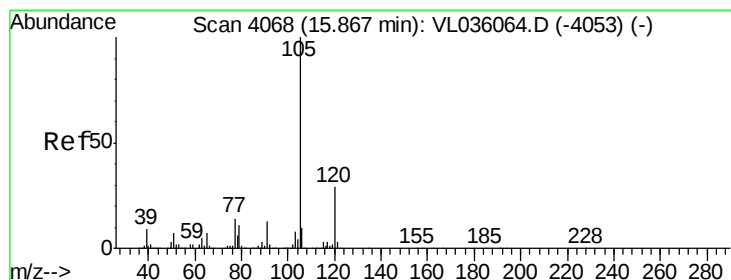
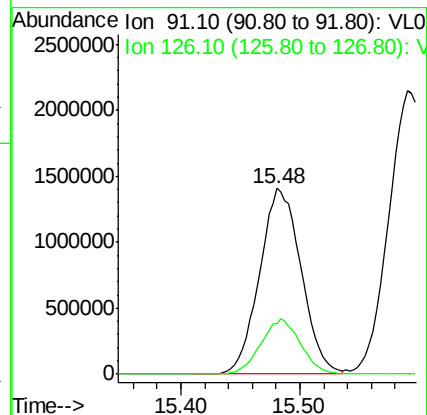
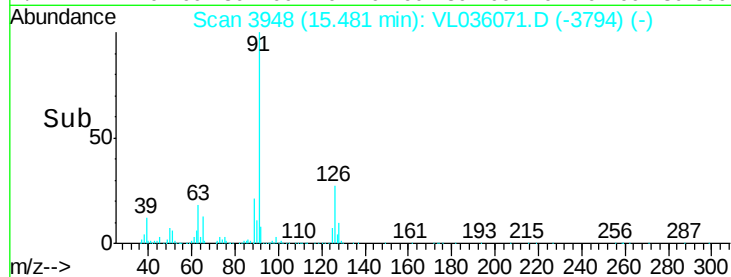
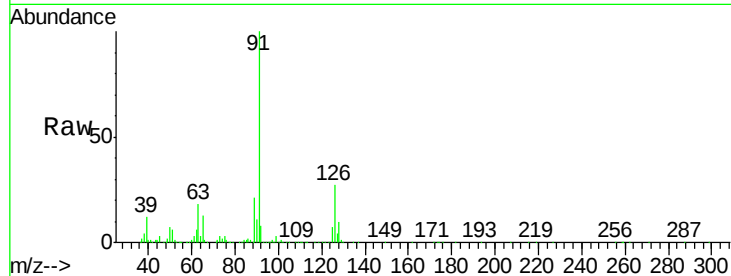
Ion Ratio Lower Upper

91 100

126 28.5 11.6 46.4

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#72

4-Ethyltoluene

Concen: 10.404 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Tgt Ion:105 Resp: 3344617

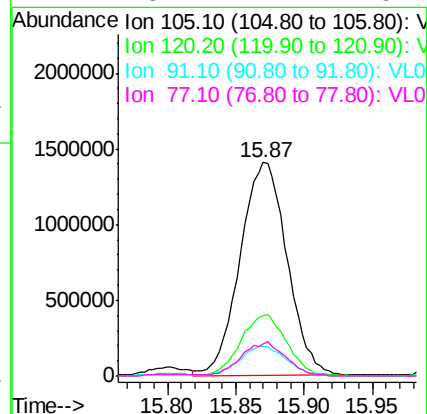
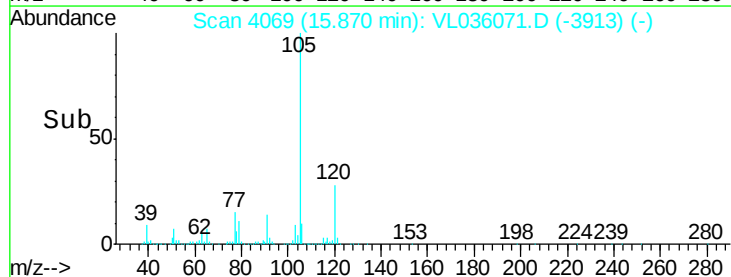
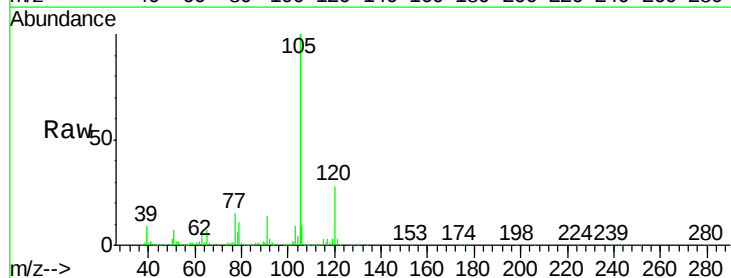
Ion Ratio Lower Upper

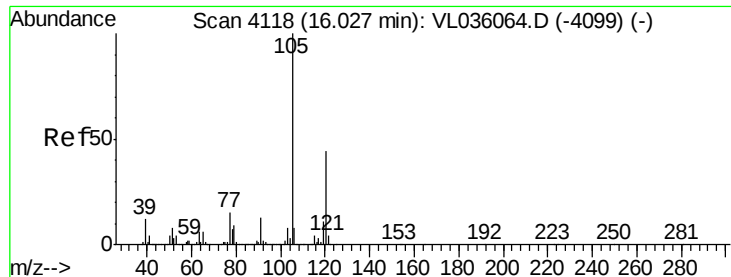
105 100

120 28.4 23.6 35.4

91 14.2 11.4 17.0

77 15.2 12.1 18.1





#73

1,3,5-Trimethylbenzene

Concen: 10.182 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120720

Tot Ion:105 Resp: 3126236

Ion Ratio Lower Upper

105 100

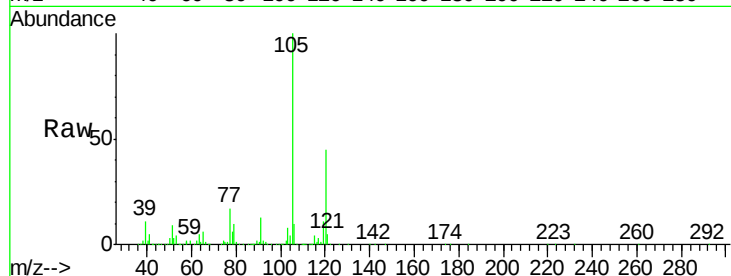
120 45.2

35.4 53.2

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Abundance Ion 105.10 (104.80 to 105.80): V

1500000 Ion 120.20 (119.90 to 120.90): V

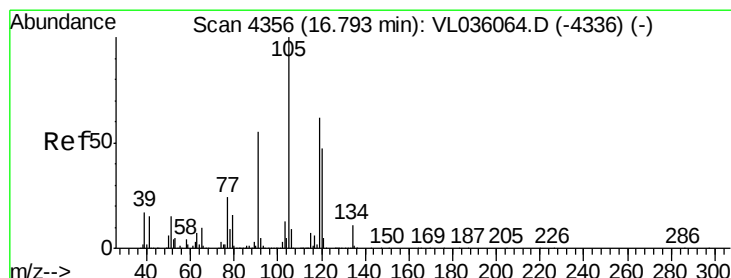
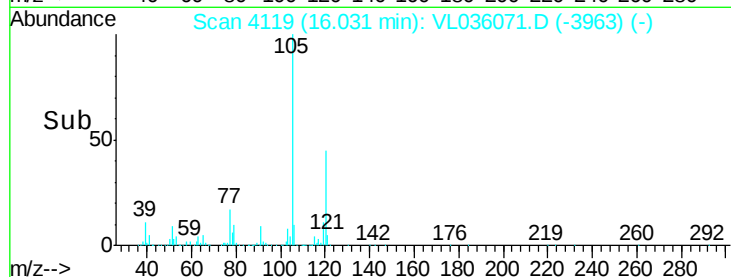
16.03

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.246 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL036071.D

Acq: 7 Dec 2020 17:14

Tgt Ion:105 Resp: 3157978

Ion Ratio Lower Upper

105 100

120 44.6

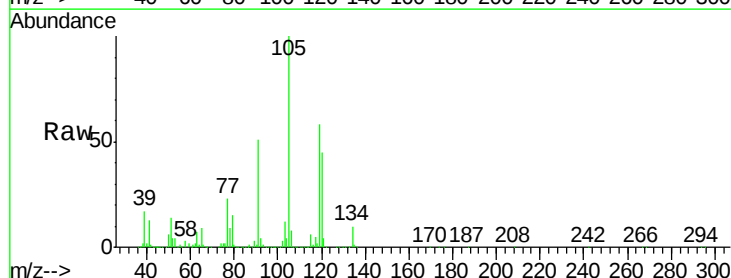
37.4 56.0

91 50.5

45.6 68.4

77 22.9

19.4 29.2



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

16.80

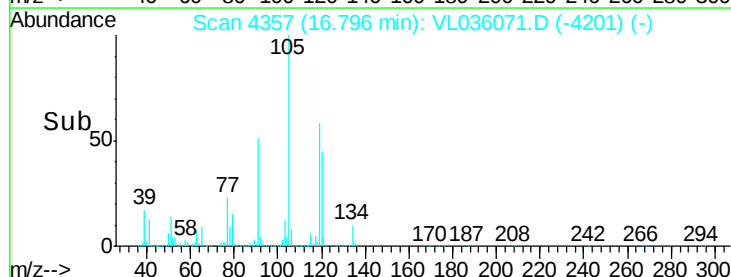
1500000

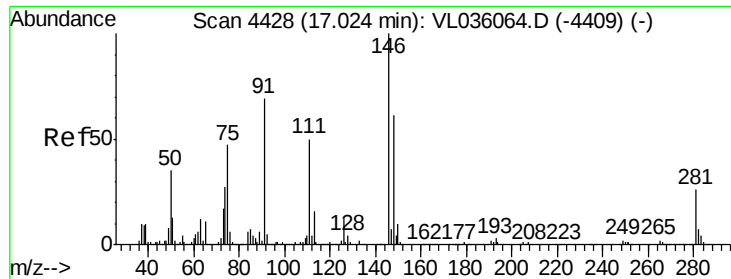
1000000

500000

0

Time-->





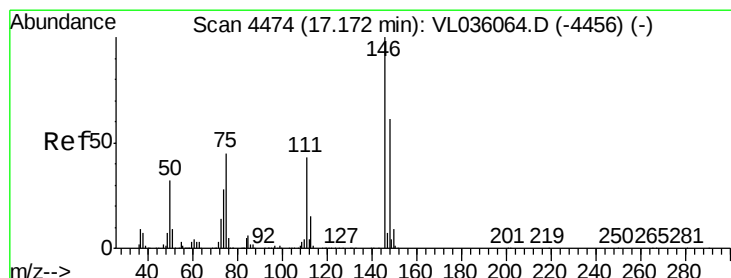
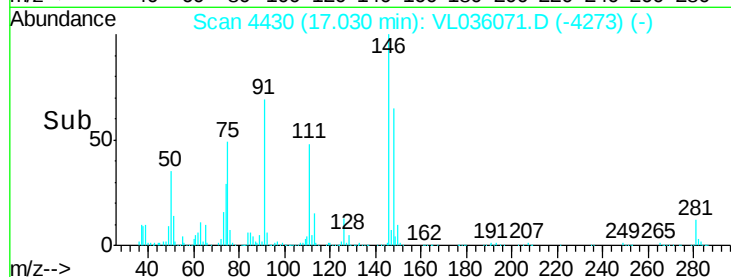
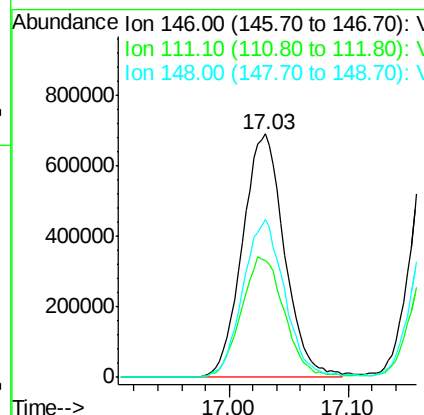
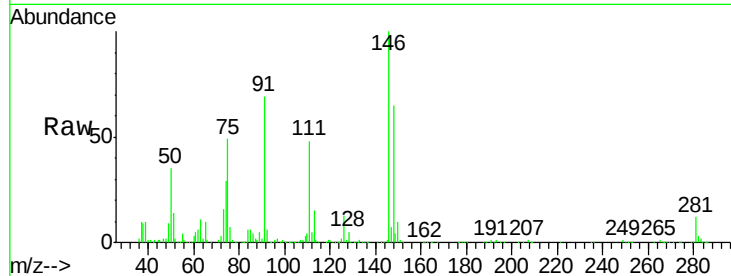
#75
 1,3-Dichlorobenzene
 Concen: 10.931 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. 0.01 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120720

Tot Ion:146 Resp: 1686456
 Ion Ratio Lower Upper
 146 100
 111 50.6 25.1 75.3
 148 64.3 32.9 98.6

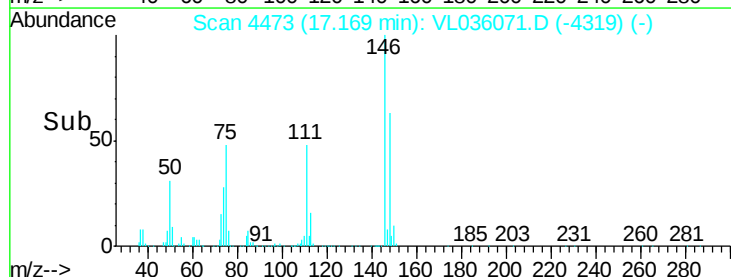
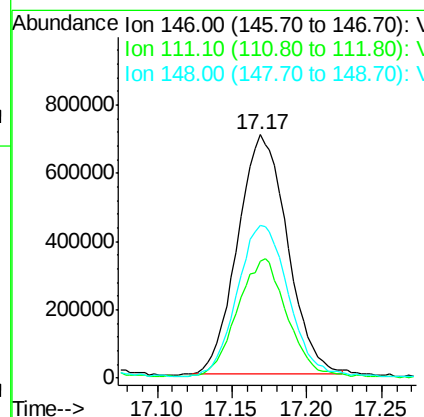
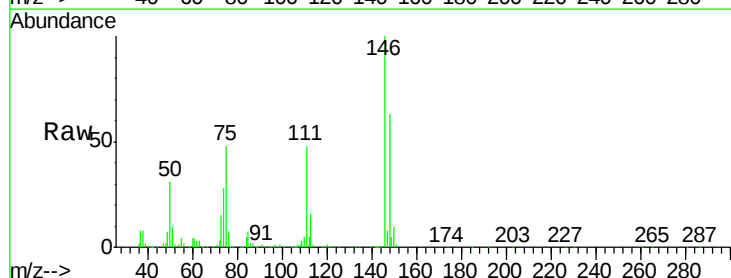
Manual Integrations
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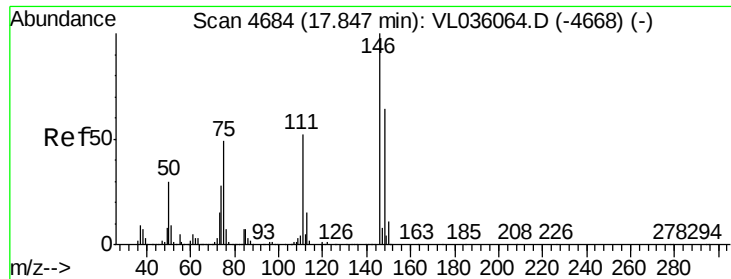
MMDadoda
 12/10/2020 9:53:26 AM



#76
 1,4-Dichlorobenzene
 Concen: 10.332 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. -0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion:146 Resp: 1622826
 Ion Ratio Lower Upper
 146 100
 111 50.8 24.3 72.8
 148 67.9 32.8 98.3





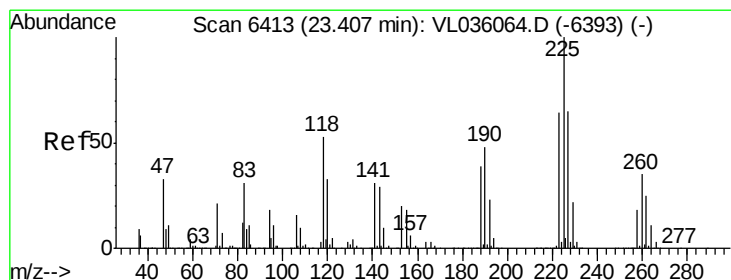
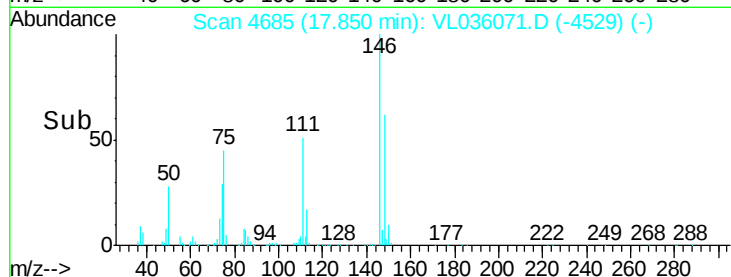
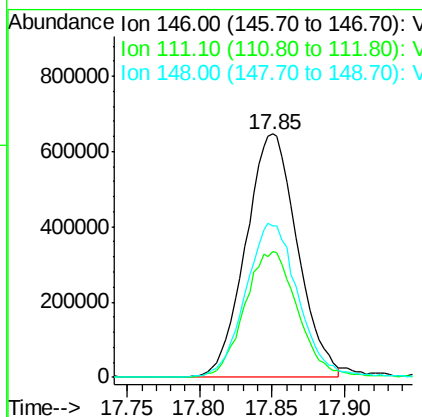
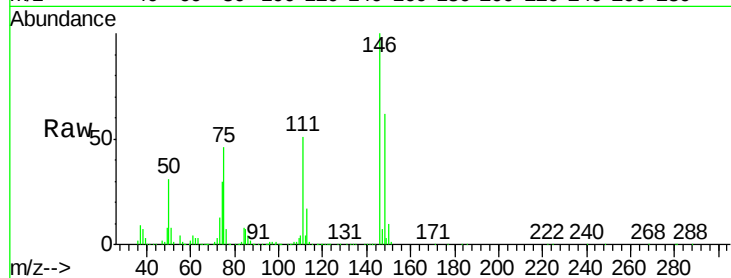
#77
 1,2-Dichlorobenzene
 Concen: 10.835 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120720

Tot Ion:146 Resp: 1596062
 Ion Ratio Lower Upper
 146 100
 111 53.4 26.1 78.2
 148 64.6 33.1 99.5

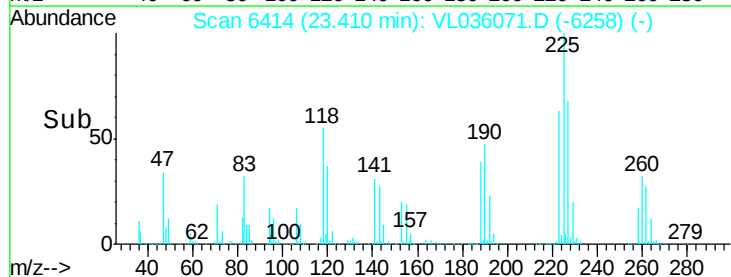
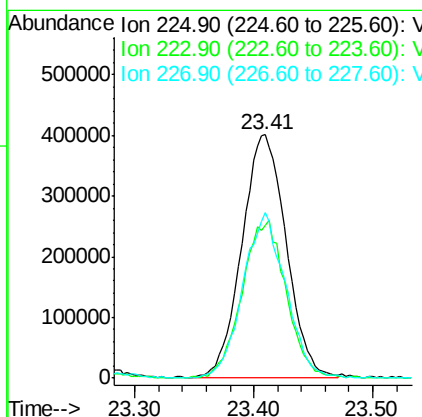
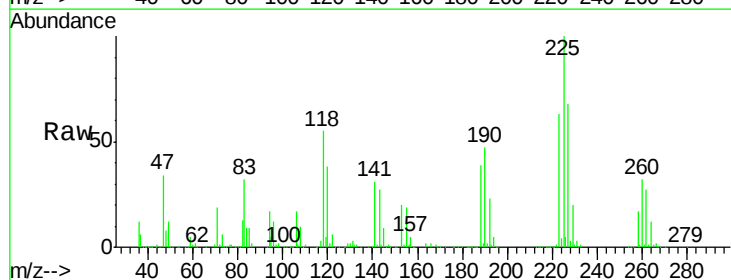
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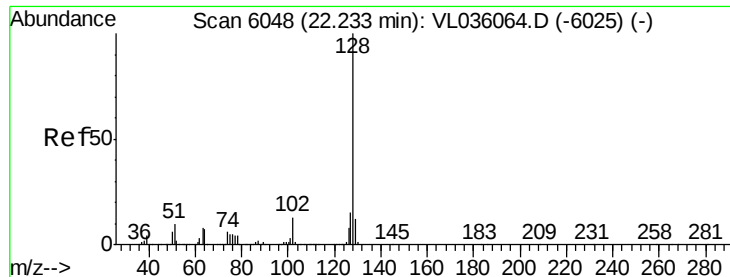
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.746 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Tgt Ion:225 Resp: 1032514
 Ion Ratio Lower Upper
 225 100
 223 64.7 51.1 76.7
 227 65.9 51.7 77.5





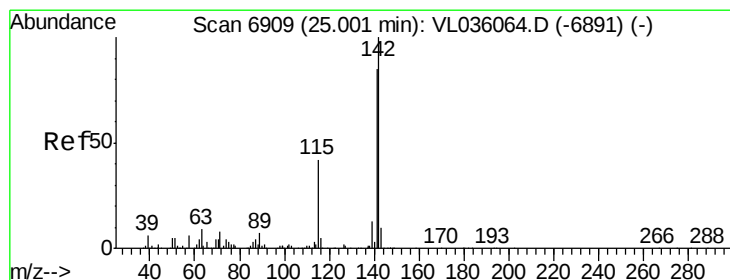
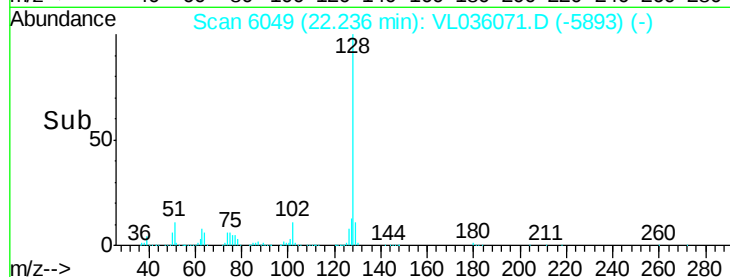
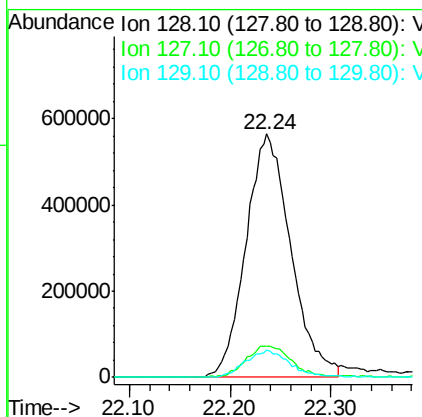
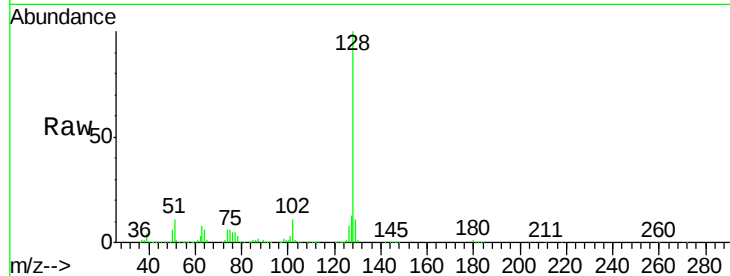
#79
Naphthalene
Concen: 11.109 ppbv
RT: 22.24 min Scan# 6049
Delta R.T. 0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120720

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.7	17.5
129	11.5	9.3	13.9

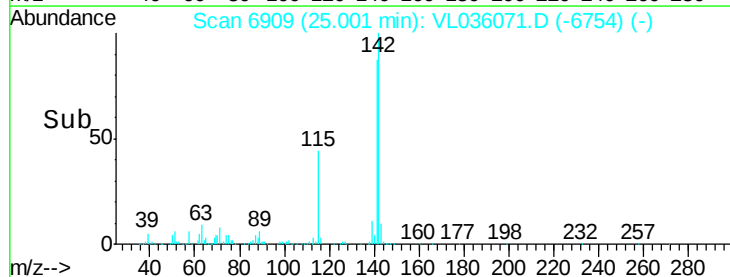
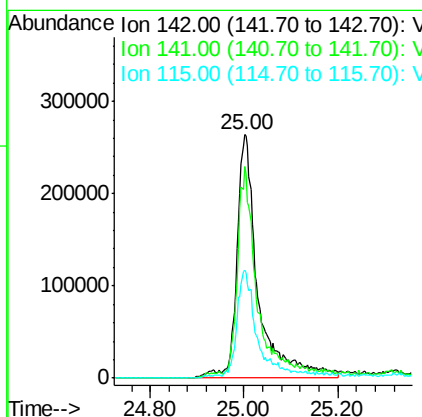
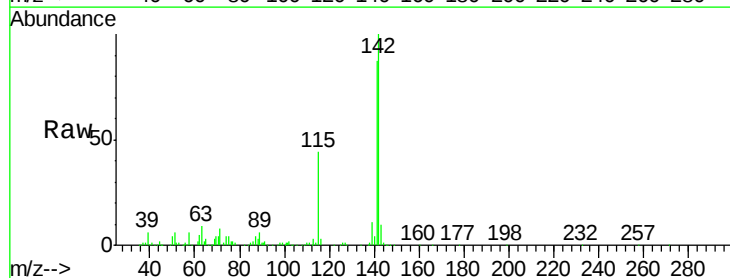
Manual Integrations
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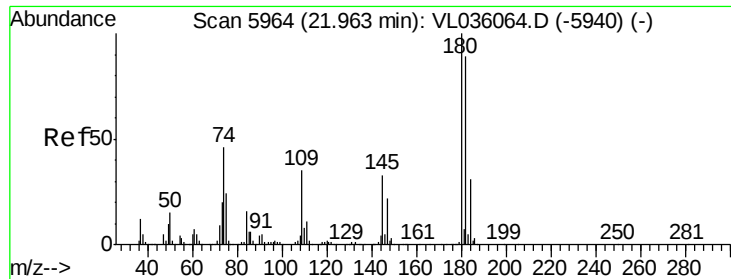
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#80
Naphthalene, 2-methyl-
Concen: 23.891 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. -0.00 min
Lab File: VL036071.D
Acq: 7 Dec 2020 17:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	64.3	96.5
115	44.5	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.865 ppbv
 RT: 21.97 min Scan# 5965
 Delta R.T. 0.00 min
 Lab File: VL036071.D
 Acq: 7 Dec 2020 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120720

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	0.0	0.0#
184	31.5	0.0	0.0#

Manual Integrations
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