

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061521\
 Data File : VL037161.D
 Acq On : 15 Jun 2021 19:49
 Operator : SY/AP
 Sample : VL0615ABS02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0615ABS02

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 5:01:40 PM

Quant Time: Jun 16 02:23:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:49:11 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1603217	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4704668	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4547837m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3370862	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2169039	8.495	ppbv 100
3) Chlorodifluoromethane	2.99	51	2604583	8.660	ppbv 100
4) Chloromethane	3.15	50	817359	7.976	ppbv 96
5) Vinyl Chloride	3.26	62	900164	9.080	ppbv 98
6) Bromomethane	3.48	94	398339	6.316	ppbv 97
7) Chloroethane	3.56	64	333513	8.621	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	2261615	8.290	ppbv 100
9) Propene	3.02	41	788130	7.945	ppbv 100
10) Heptane	8.14	43	2018429	8.535	ppbv 99
11) Trichlorofluoromethane	3.96	101	2346053	8.098	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1635487	8.229	ppbv 99
13) Ethanol	3.62	45	121578m	8.870	ppbv
14) Bromoethene	3.75	108	729549	8.484	ppbv 98
15) Acetone	3.86	43	1203941	6.276	ppbv 100
16) 1,3-Butadiene	3.33	39	992569	9.583	ppbv 89
17) tert-Butyl alcohol	4.30	59	1285059	7.740	ppbv 100
18) 1,1-Dichloroethene	4.30	96	749161	8.356	ppbv 99
19) Isopropyl Alcohol	3.98	45	856903	8.140	ppbv # 95
20) Methylene Chloride	4.35	84	583186	6.975	ppbv 99
21) Allyl Chloride	4.42	41	951776	7.426	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	744601	8.524	ppbv 100
23) Vinyl Acetate	5.09	43	2159838	8.573	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1734440	8.579	ppbv 98
25) Ethyl Acetate	5.69	43	3049922	8.114	ppbv 99
26) Hexane	5.70	57	1510533	8.080	ppbv 98
27) Carbon Disulfide	4.56	76	1675427	8.840	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1891120	8.077	ppbv 99
29) Chloroform	5.76	83	2475683	8.203	ppbv 100
30) Cyclohexane	7.14	84	1347867	8.270	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1506537	8.362	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	2584169	9.325	ppbv 99
34) 2-Butanone	5.26	43	1415000	8.008	ppbv 99
35) Carbon Tetrachloride	7.03	117	2696072	9.322	ppbv 99
36) Benzene	6.91	78	3186533	8.536	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1855942	8.562	ppbv 100
38) Trichloroethene	7.85	130	1379454	8.551	ppbv 99
39) 1,2-Dichloropropane	7.63	63	1221574	8.571	ppbv 99
40) 1,4-Dioxane	7.85	88	317048	7.944	ppbv # 1
41) Tetrahydrofuran	6.07	42	695535	8.089	ppbv 100
42) Bromodichloromethane	7.81	83	2647474	8.864	ppbv 98
43) Methyl Methacrylate	8.03	69	1216474	9.498	ppbv 98

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 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

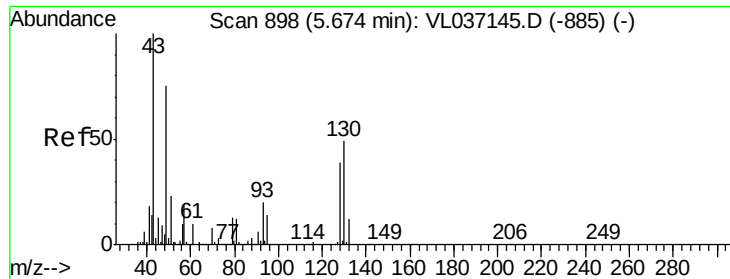
Manual Integrations
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 6/16/2021 5:01:40 PM

Quant Time: Jun 16 02:23:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:49:11 2021
 QLast Update : Mon Jun 14 16:49:11 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5278816	8.448	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	598027	5.182	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	873577	5.673	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1361992	8.425	ppbv	98
48) Dibromochloromethane	10.32	129	2473637	9.485	ppbv	99
49) Bromoform	13.06	173	2092013	10.268	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2247949	8.649	ppbv	99
51) 2-Hexanone	10.15	43	1230380	9.484	ppbv #	98
52) Tetrachloroethene	11.24	164	1345221	8.713	ppbv	97
53) Toluene	9.82	91	3871700	8.725	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1968903	8.317	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1725530	8.700	ppbv #	58
57) Chlorobenzene	12.16	112	2977015	8.169	ppbv	99
58) Ethyl Benzene	12.73	91	5224627	8.481	ppbv	98
59) m/p-Xylene	13.01	91	8778571m	16.769	ppbv	
60) o-Xylene	13.71	91	4189888	8.336	ppbv	100
61) Styrene	13.55	104	2278237	8.598	ppbv	100
62) Isopropylbenzene	14.68	105	6004890	8.382	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2900146	8.874	ppbv	100
64) n-propylbenzene	15.58	120	1625051	8.894	ppbv	97
65) tert-Butylbenzene	16.76	119	5477477	8.436	ppbv	99
66) Benzyl Chloride	17.01	91	111488m	3.934	ppbv	
67) sec-Butylbenzene	17.31	105	7325724	8.492	ppbv	99
69) p-Isopropyltoluene	17.67	119	6372788	8.837	ppbv	100
70) n-Butylbenzene	18.57	91	6043276	9.159	ppbv	99
71) 2-Chlorotoluene	15.47	91	4409029	8.627	ppbv	99
72) 4-Ethyltoluene	15.86	105	5117686	8.765	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4604742	8.315	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	4858950	8.623	ppbv	96
75) 1,3-Dichlorobenzene	17.01	146	3032645	8.741	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3000625	8.707	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2988659	8.736	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2043496	8.426	ppbv	99
79) Naphthalene	22.22	128	3852957	11.360	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	819412	9.986	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	2249952	10.429	ppbv	96

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



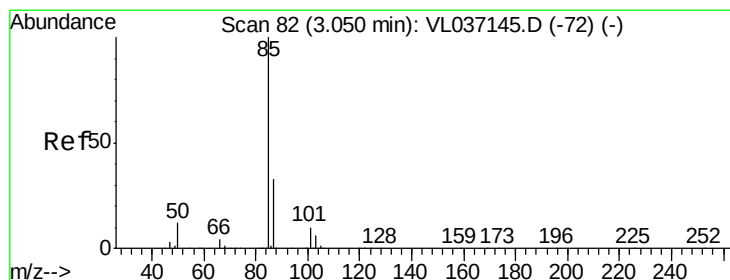
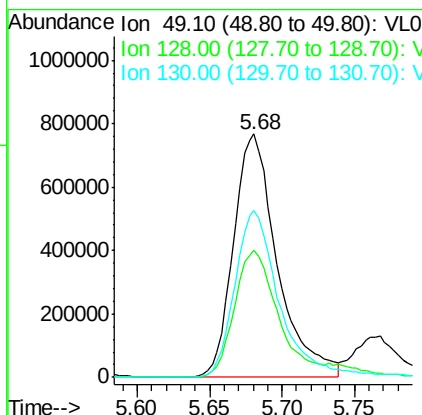
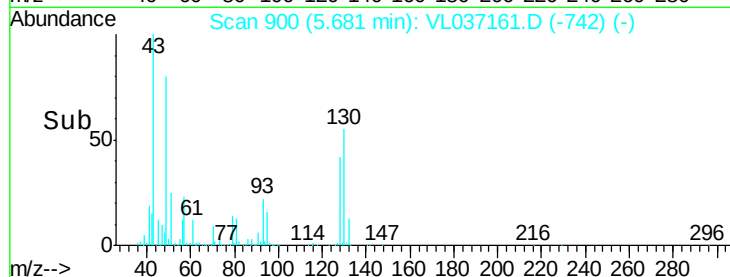
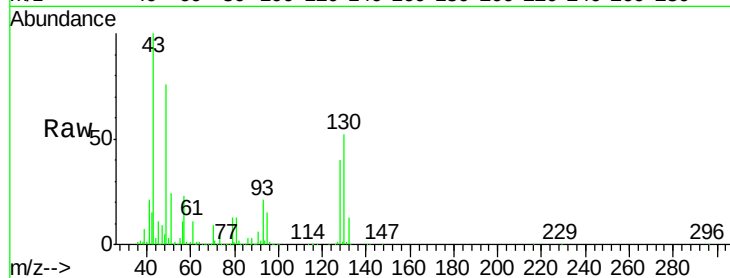
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Instrument :
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 ClientSampleId :
 VL0615ABS02

Tot Ion: 49 Resp: 1603217
 Ion Ratio Lower Upper
 49 100
 128 58.5 28.8 86.5
 130 72.3 36.0 108.0

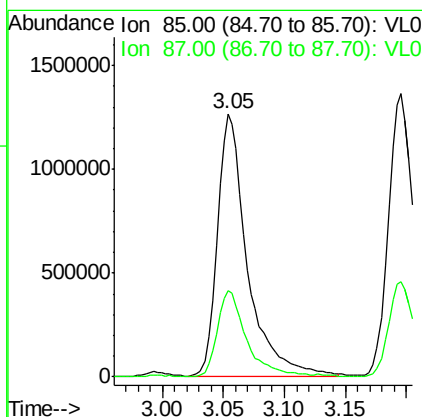
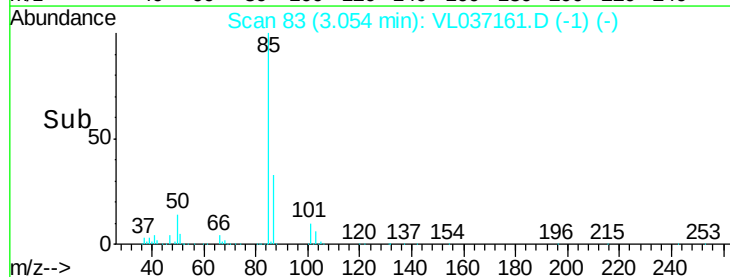
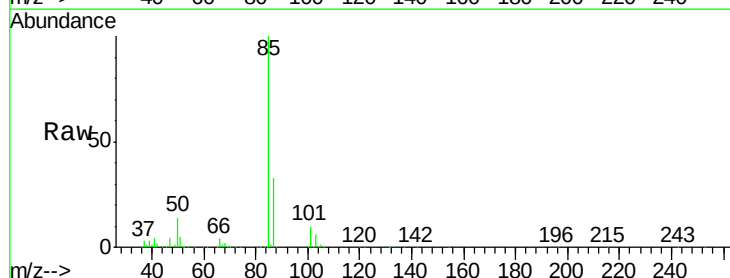
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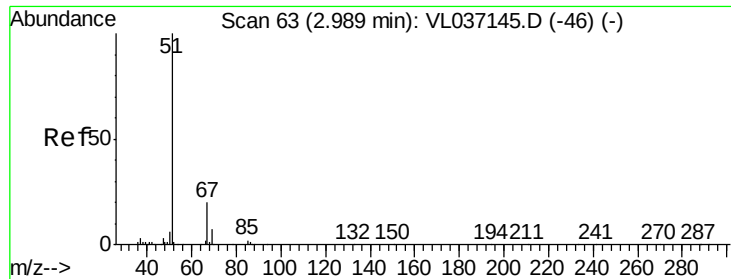
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#2
 Dichlorodifluoromethane
 Concen: 8.495 ppbv
 RT: 3.05 min Scan# 83
 Delta R.T. 0.00 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Tgt Ion: 85 Resp: 2169039
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.4 39.6





#3

Chlorodifluoromethane

Concen: 8.660 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Tot Ion: 51 Resp: 2604583

Ion Ratio Lower Upper

51 100

67 19.7 15.9 23.9

Instrument :

MSVOA_L

ClientSampleId :

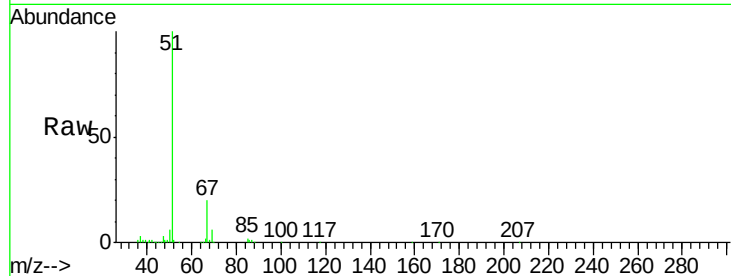
VL0615ABS02

Manual Integrations

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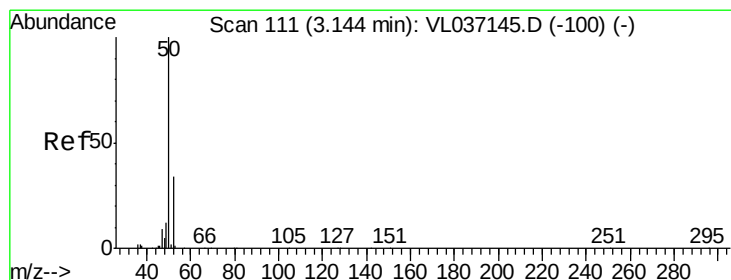
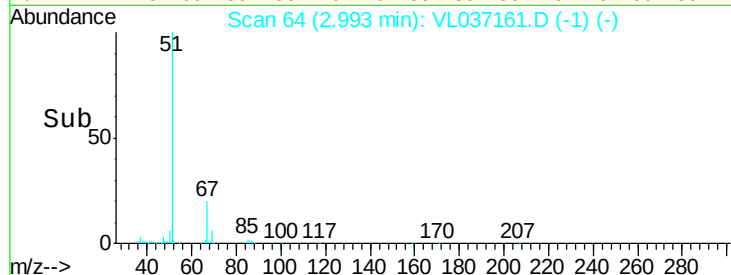
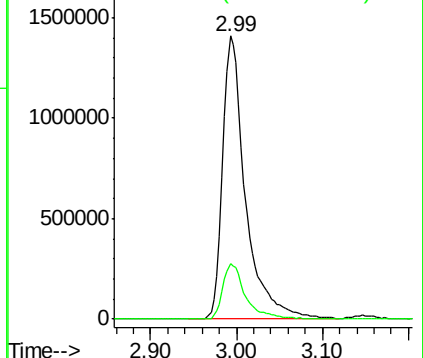
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 7.976 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL037161.D

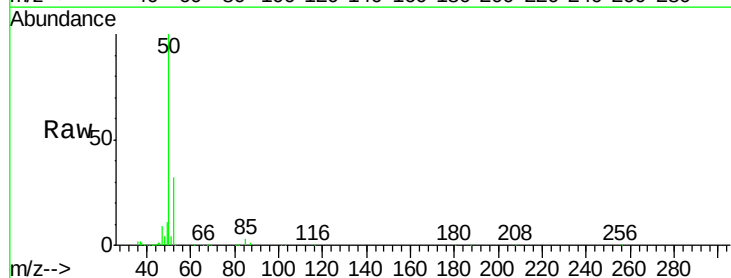
Acq: 15 Jun 2021 19:49

Tgt Ion: 50 Resp: 817359

Ion Ratio Lower Upper

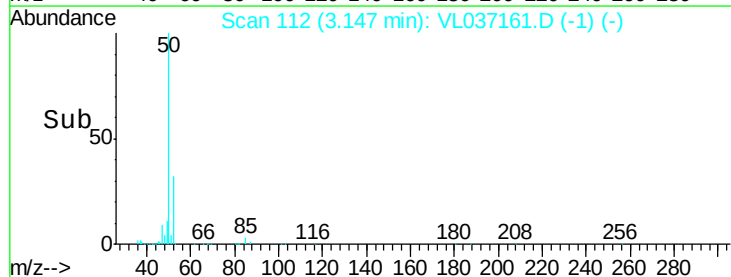
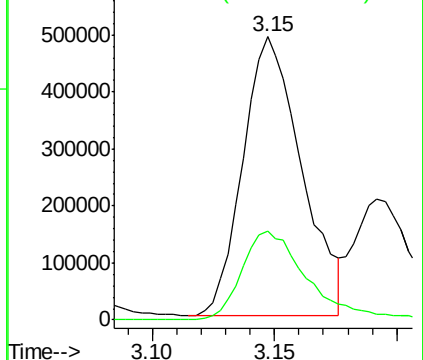
50 100

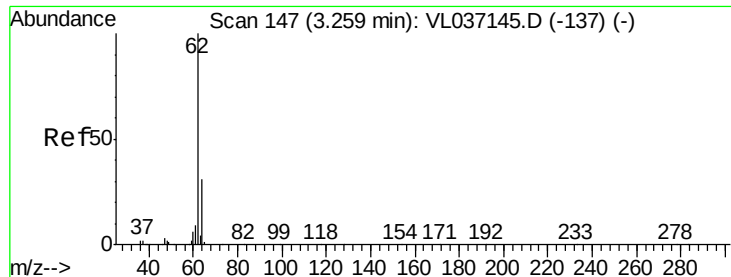
52 31.9 27.4 41.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.080 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

ClientSampleID :

VL0615ABS02

Tot Ion: 62 Resp: 900164

Ion Ratio Lower Upper

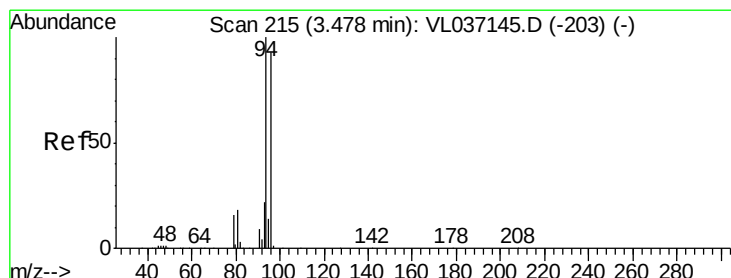
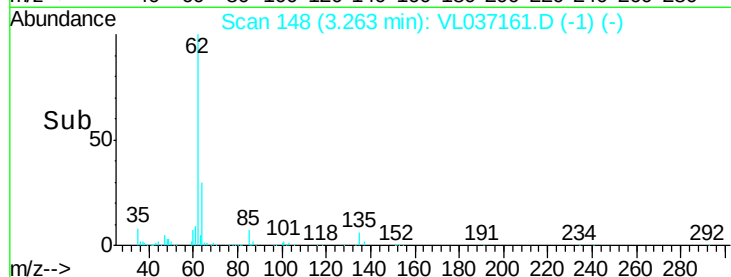
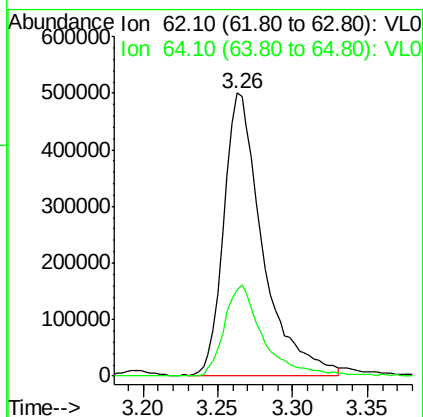
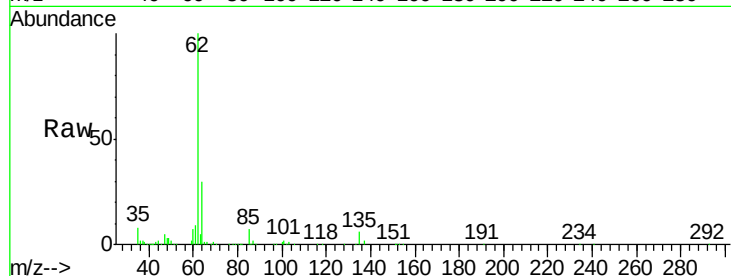
62 100

64 30.5 25.2 37.8

Manual Integrations
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#6

Bromomethane

Concen: 6.316 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL037161.D

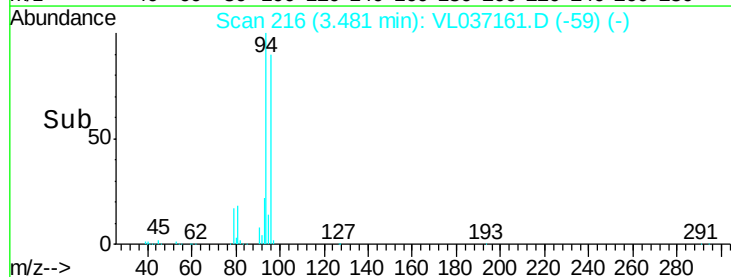
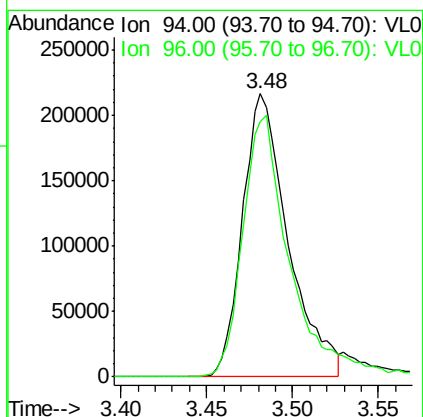
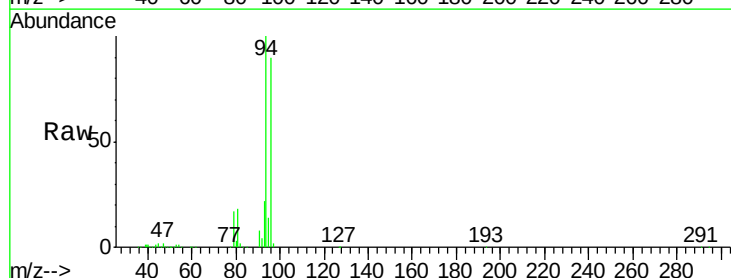
Acq: 15 Jun 2021 19:49

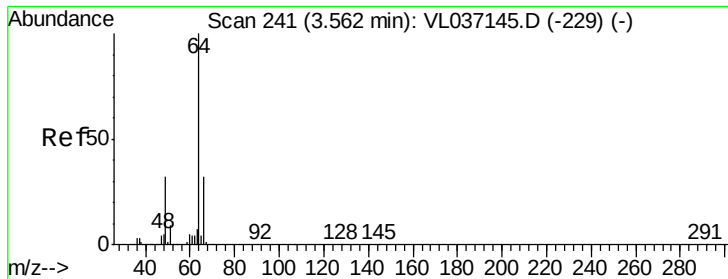
Tgt Ion: 94 Resp: 398339

Ion Ratio Lower Upper

94 100

96 89.9 74.2 111.2





#7

Chloroethane

Concen: 8.621 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL0615ABS02

Tot Ion: 64 Resp: 333513

Ion Ratio Lower Upper

64 100

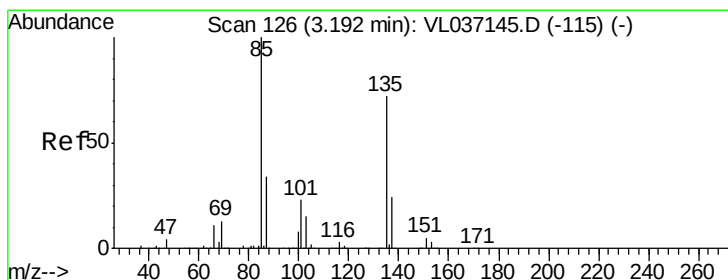
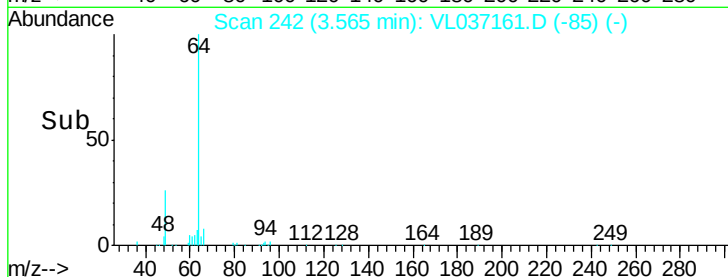
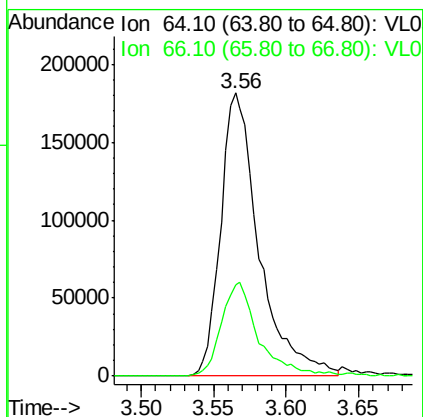
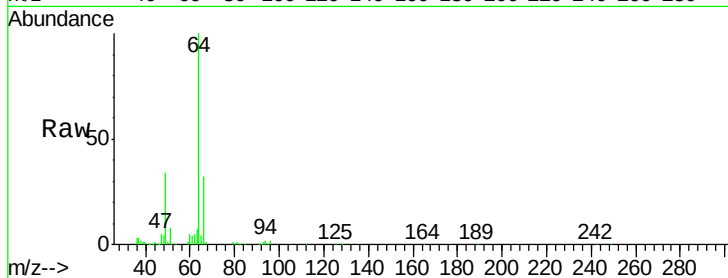
66 32.4 25.3 37.9

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.290 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL037161.D

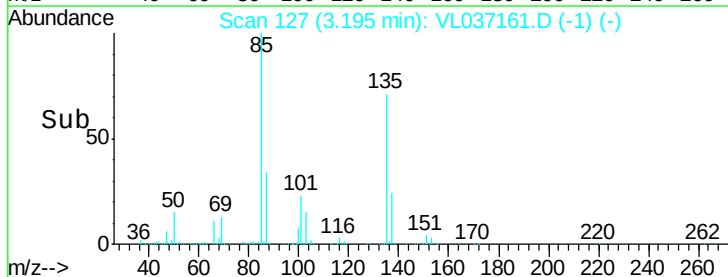
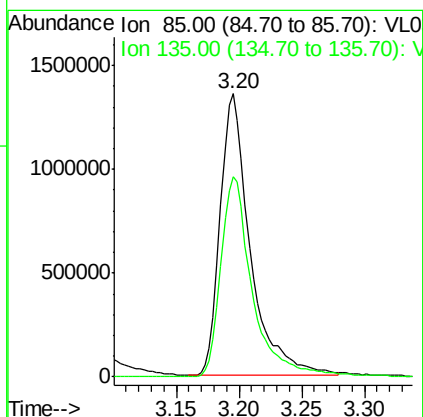
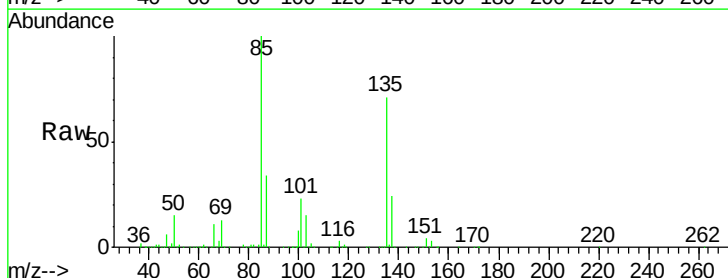
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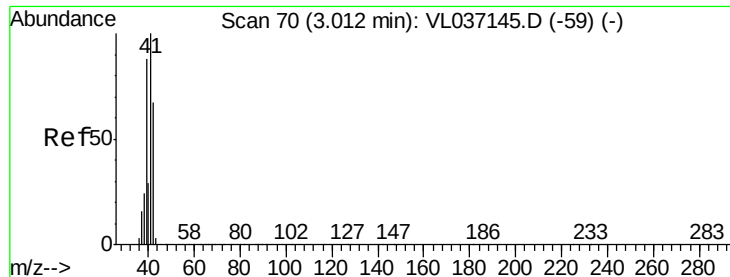
Tgt Ion: 85 Resp: 2261615

Ion Ratio Lower Upper

85 100

135 75.6 60.3 90.5





#9

Propene

Concen: 7.945 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL0615ABS02

Tot Ion: 41 Resp: 788130

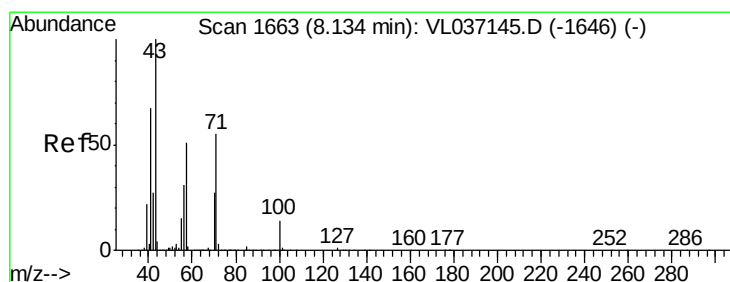
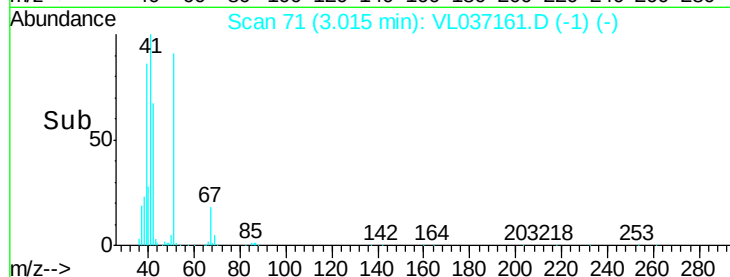
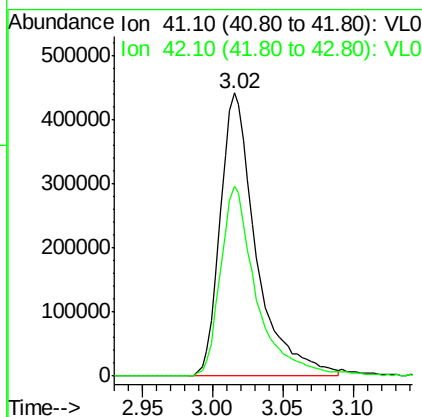
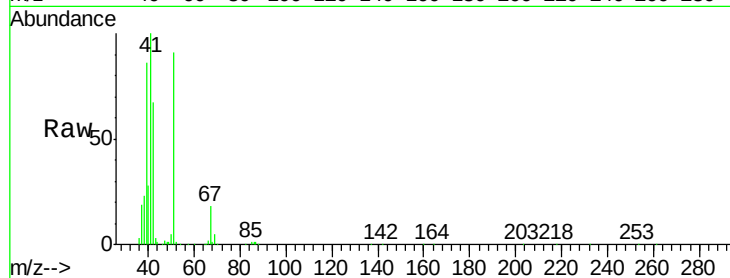
Ion Ratio Lower Upper

41 100

42 67.4 53.8 80.8

Manual Integrations
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#10

Heptane

Concen: 8.535 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL037161.D

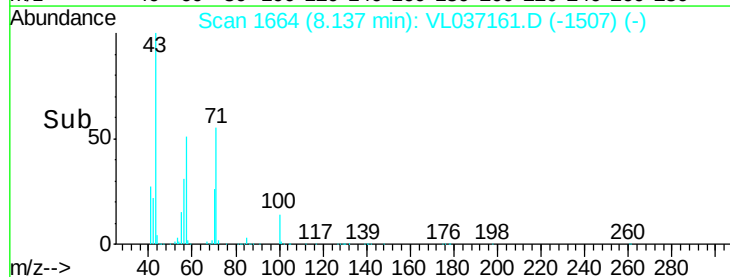
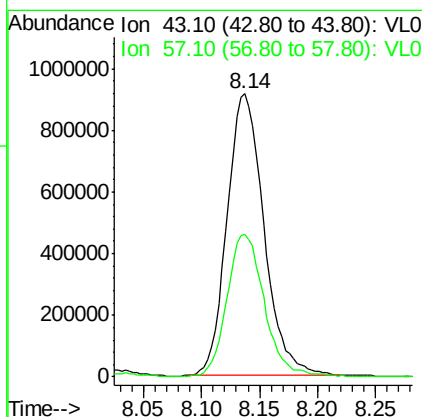
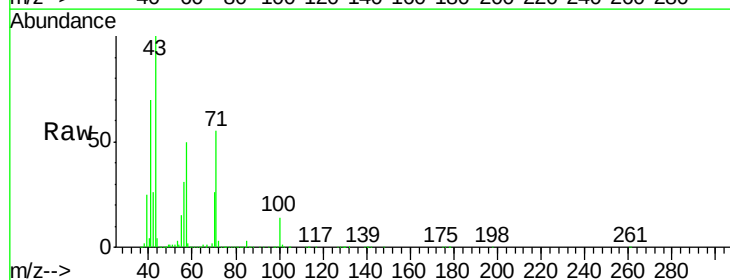
Acq: 15 Jun 2021 19:49

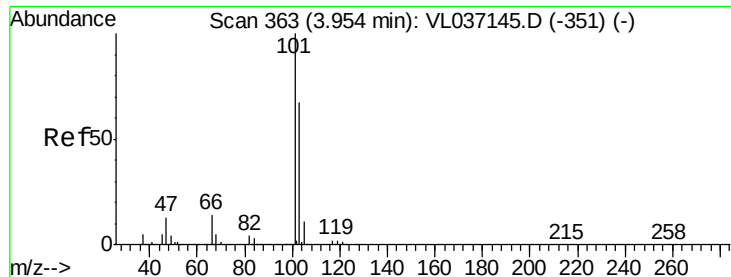
Tgt Ion: 43 Resp: 2018429

Ion Ratio Lower Upper

43 100

57 51.0 40.5 60.7





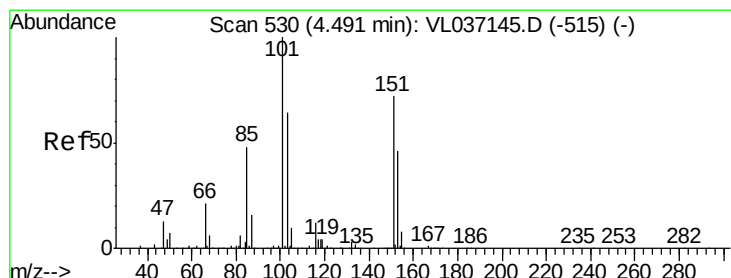
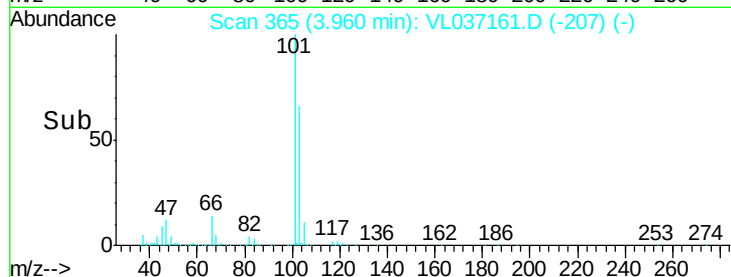
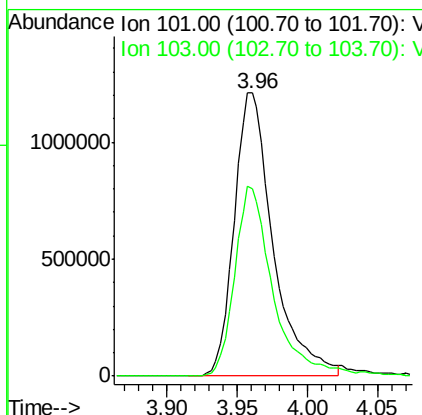
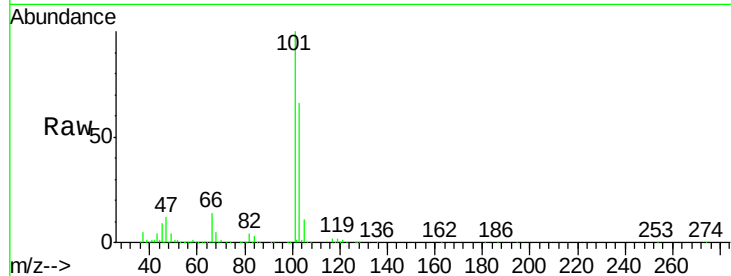
#11
 Trichlorofluoromethane
 Concen: 8.098 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

Tot Ion:101 Resp: 2346053
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.6 80.4

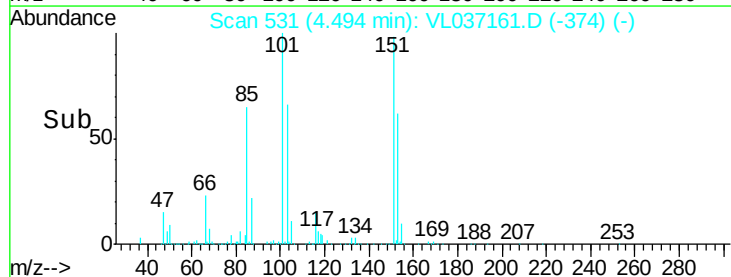
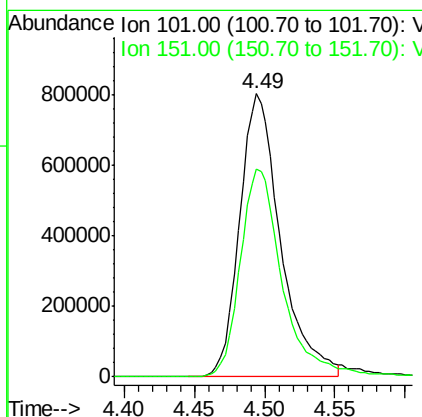
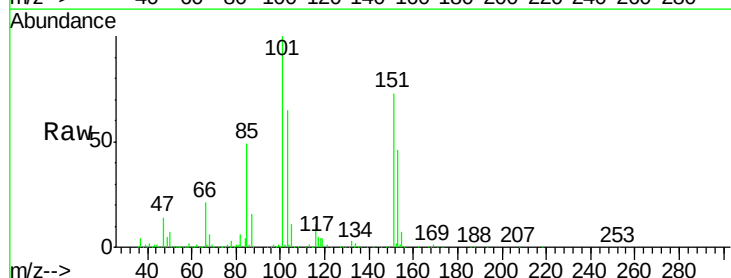
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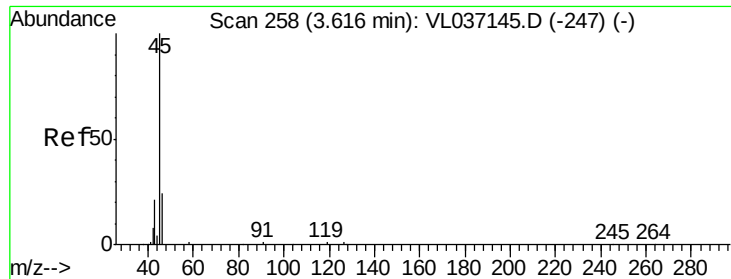
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.229 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Tgt Ion:101 Resp: 1635487
 Ion Ratio Lower Upper
 101 100
 151 76.4 60.5 90.7





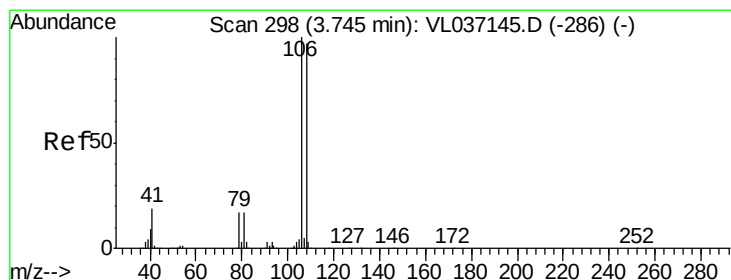
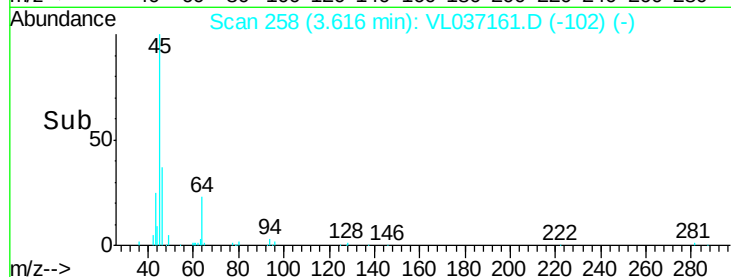
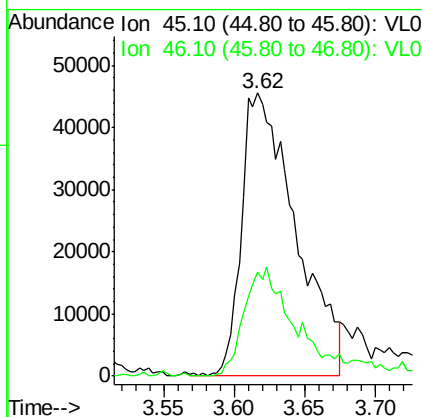
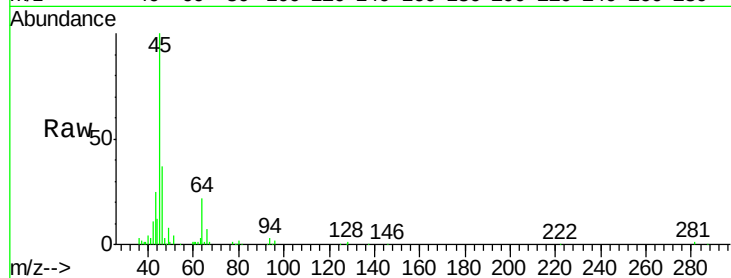
#13
Ethanol
Concen: 8.870 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.00 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL0615ABS02

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.4	15.4	61.8

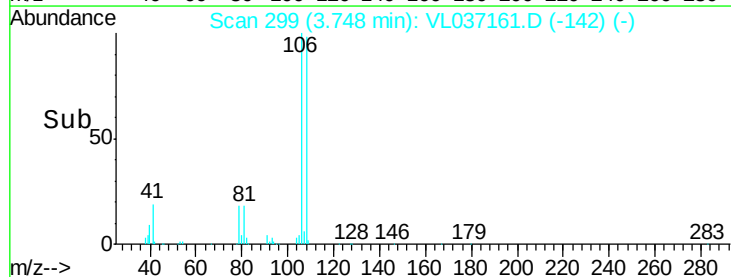
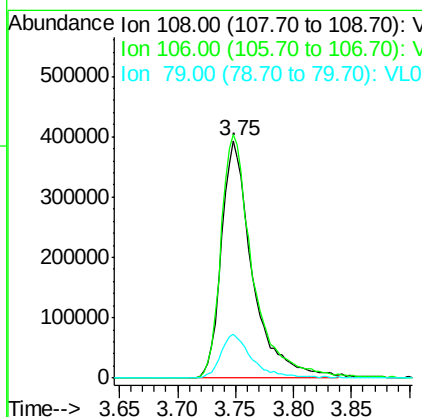
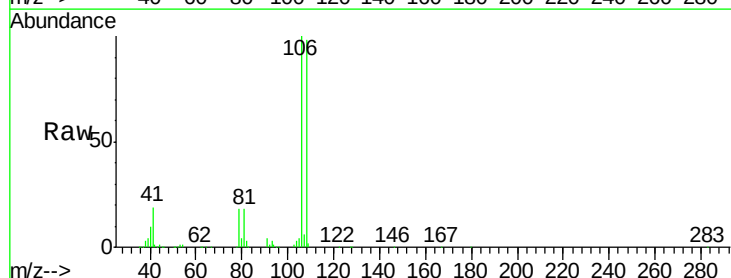
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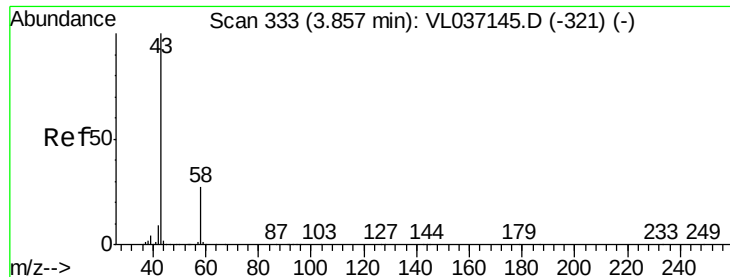
MMDadoda
6/16/2021 5:01:40 PM



#14
Bromoethene
Concen: 8.484 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.3	86.5	129.7
79	19.0	15.4	23.2





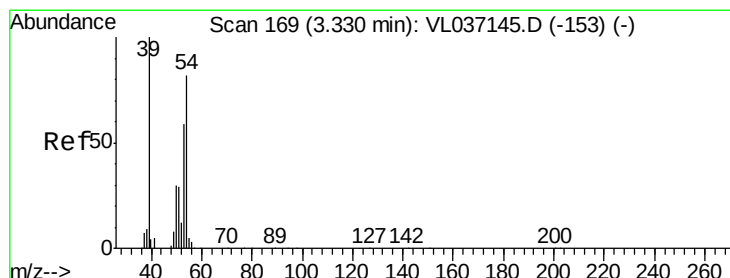
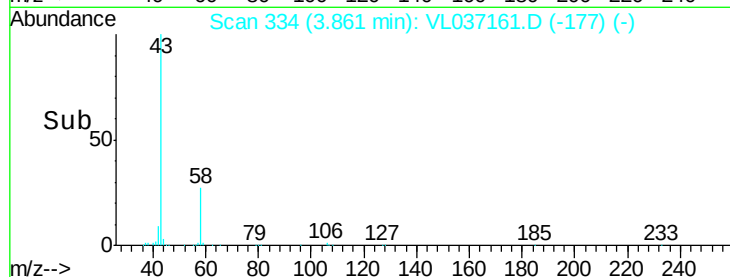
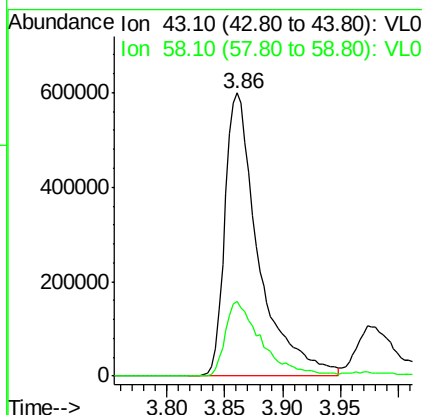
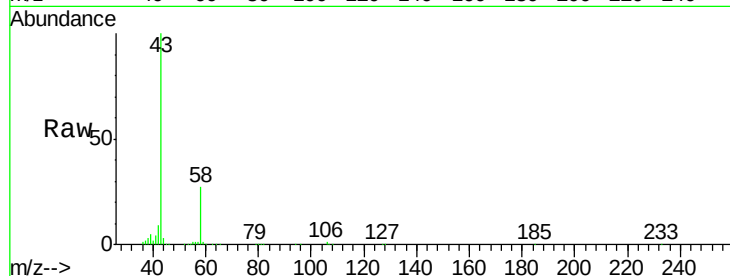
#15
Acetone
Concen: 6.276 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL0615ABS02

Tot Ion: 43 Resp: 1203941
Ion Ratio Lower Upper
43 100
58 28.8 23.0 34.6

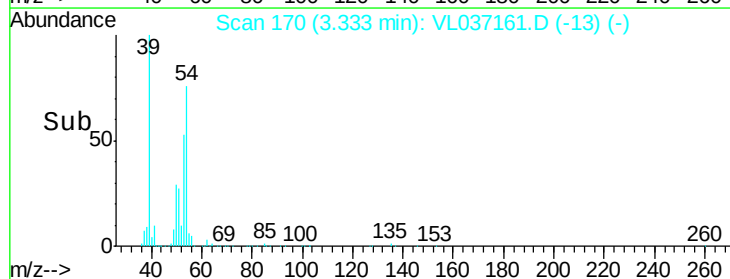
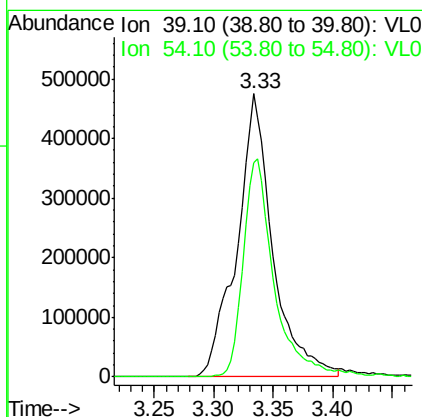
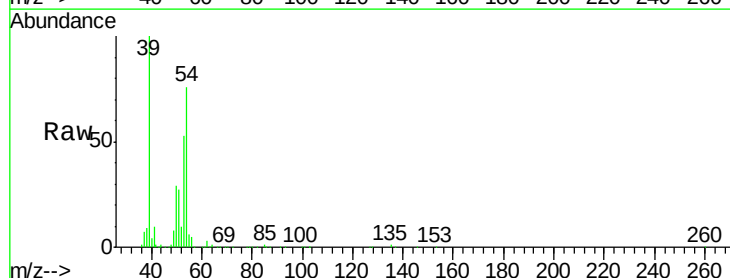
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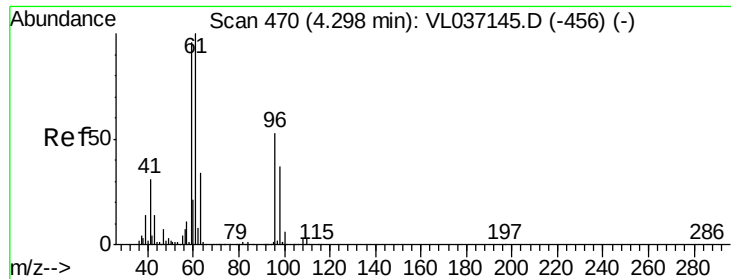
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#16
1,3-Butadiene
Concen: 9.583 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.00 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Tgt Ion: 39 Resp: 992569
Ion Ratio Lower Upper
39 100
54 67.5 61.8 92.6





#17

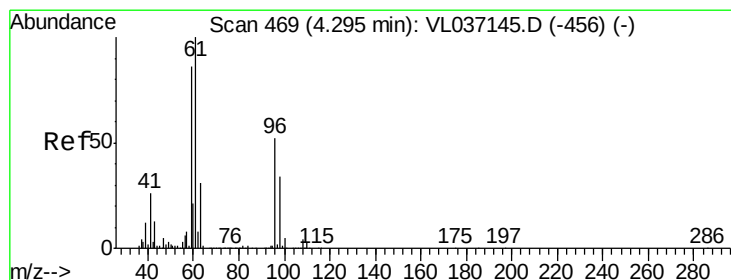
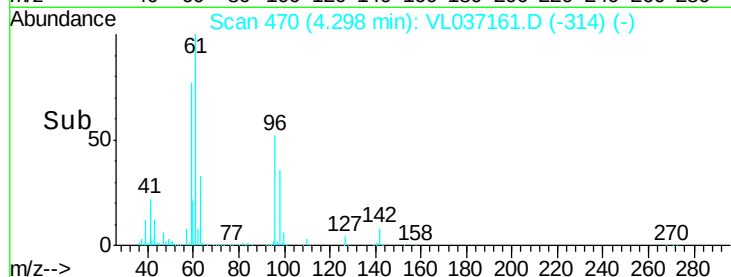
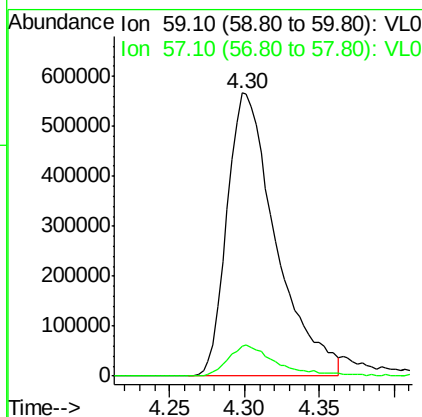
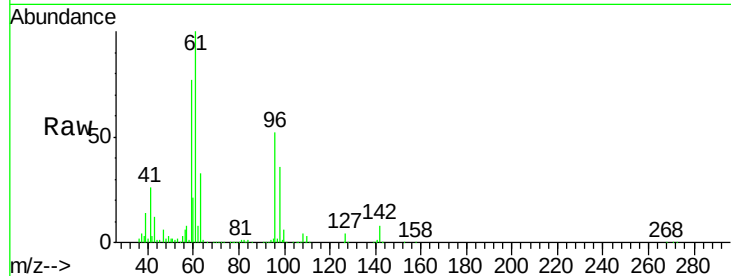
tert-Butyl alcohol
Concen: 7.740 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL0615ABS02

Tot Ion: 59 Resp: 1285059
Ion Ratio Lower Upper
59 100
57 11.1 8.8 13.2

Manual Integrations
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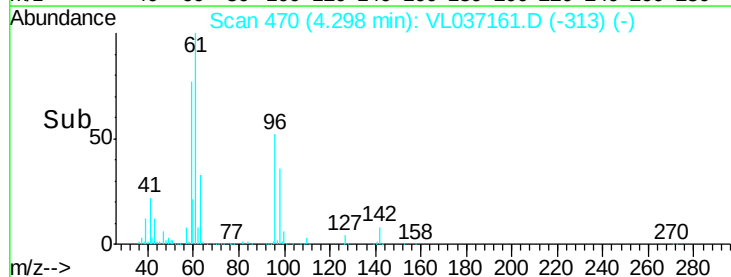
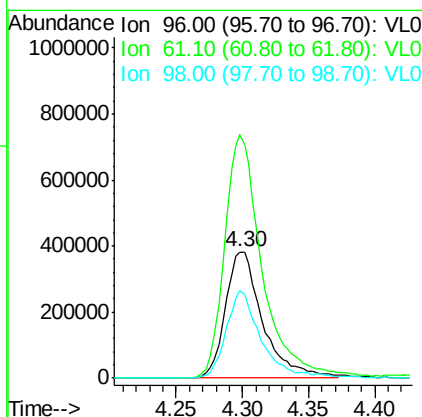
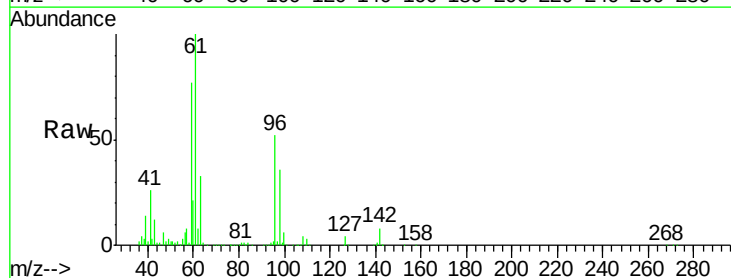
MMDadoda
6/16/2021 5:01:40 PM

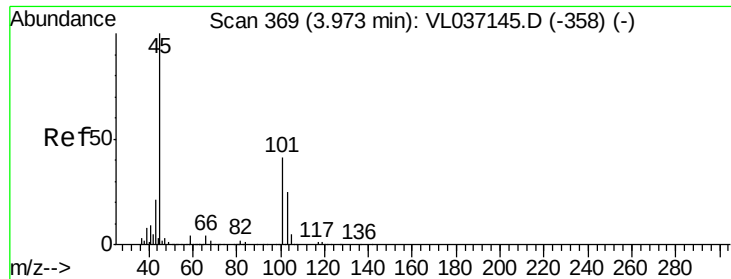


#18

1,1-Dichloroethene
Concen: 8.356 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Tgt Ion: 96 Resp: 749161
Ion Ratio Lower Upper
96 100
61 192.3 154.0 231.0
98 69.0 52.3 78.5





#19

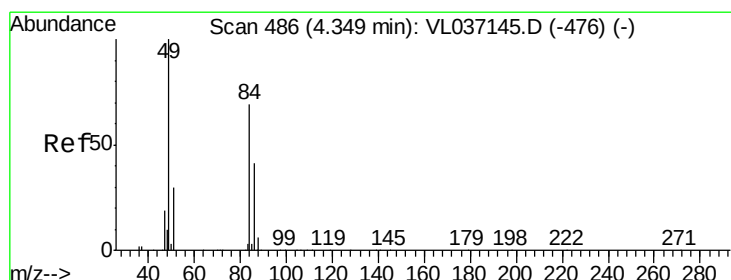
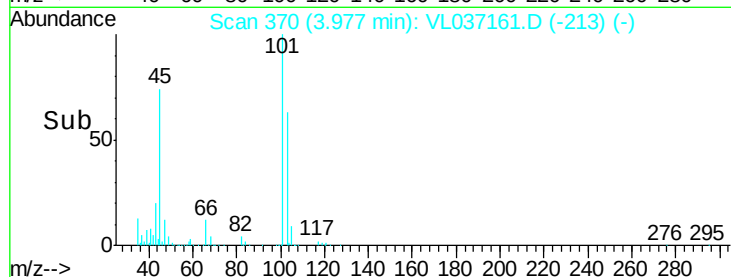
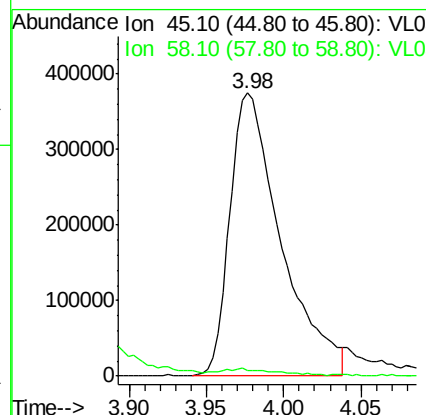
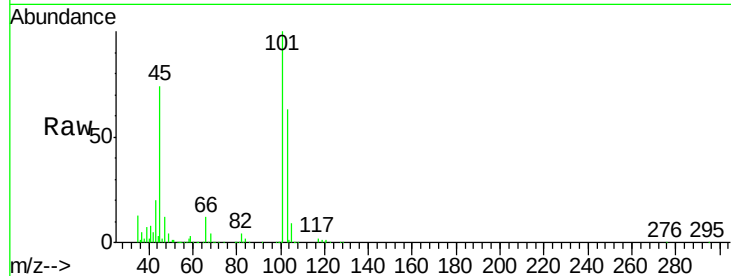
Isopropyl Alcohol
 Concen: 8.140 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.5	1.4	2.2#

Manual Integrations
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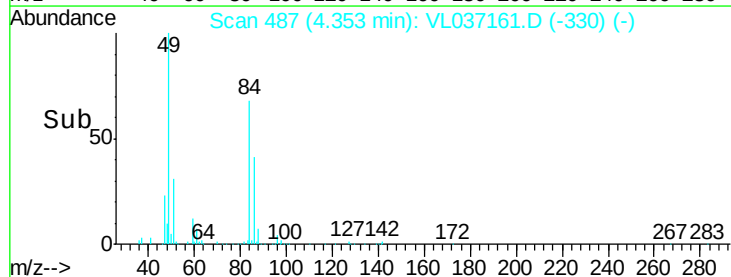
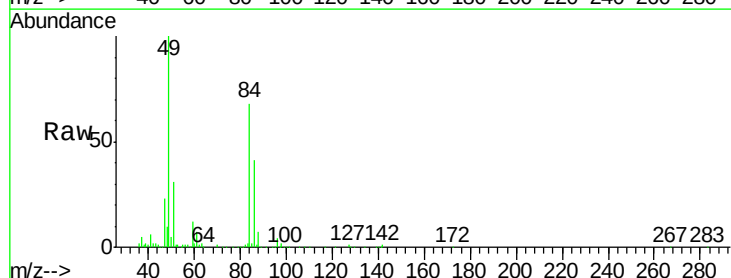
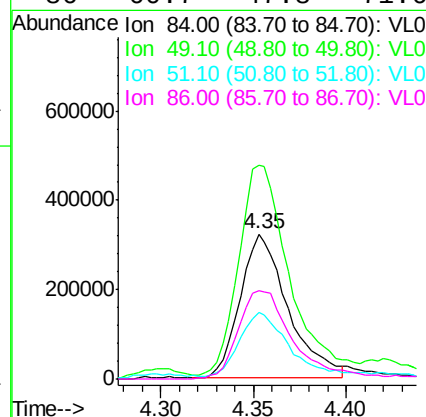
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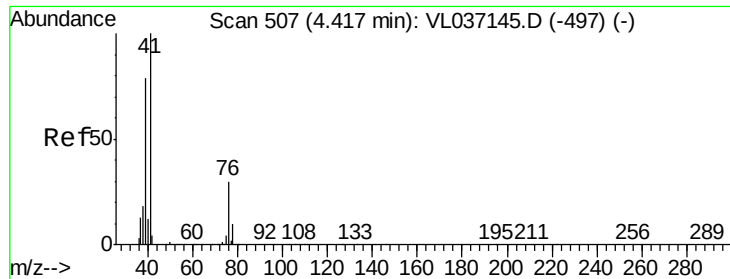


#20

Methylene Chloride
 Concen: 6.975 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.9	115.3	172.9
51	44.0	34.2	51.4
86	60.7	47.8	71.6





#21

Allvl Chloride

Concen: 7.426 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

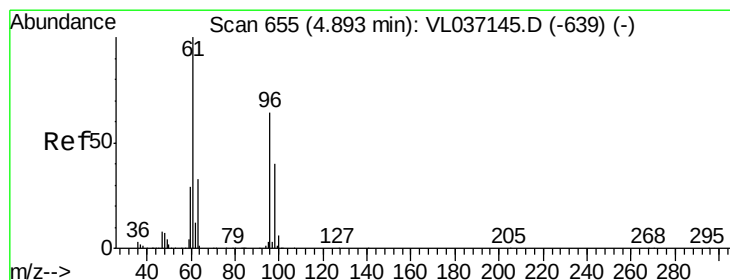
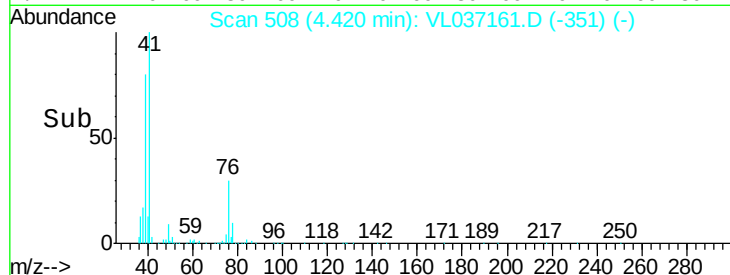
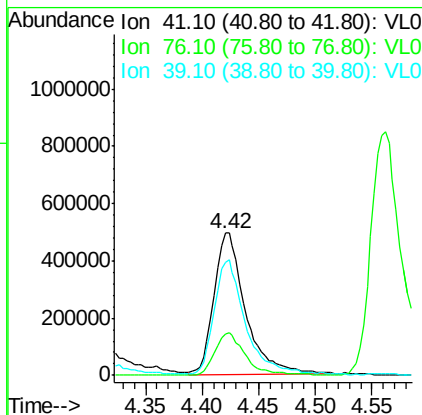
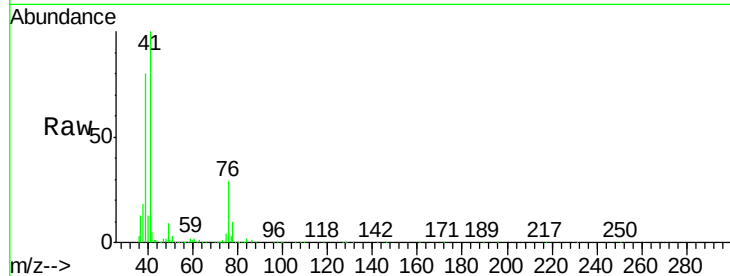
ClientSampleId :

VL0615ABS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		951776		
76	29.9	25.2	37.8		
39	81.4	66.2	99.2		

Manual Integrations
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MMDadoda
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#22

trans-1,2-Dichloroethene

Concen: 8.524 ppbv

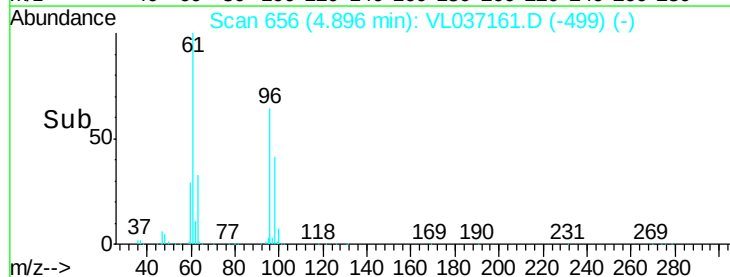
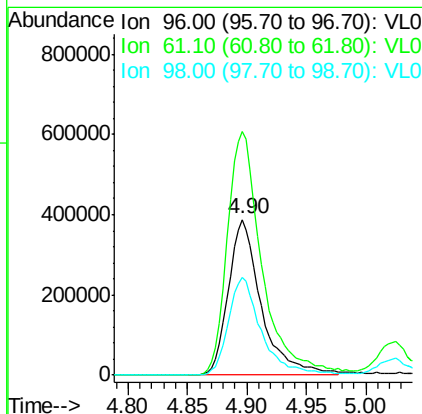
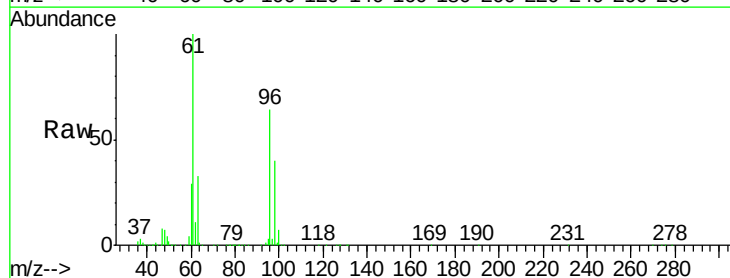
RT: 4.90 min Scan# 656

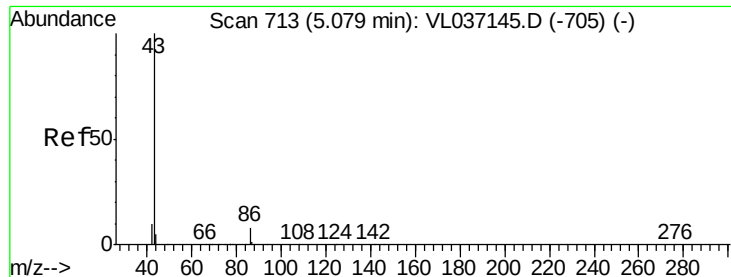
Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		744601		
61	156.2	125.3	187.9		
98	63.1	50.3	75.5		





#23

Vinyl Acetate

Concen: 8.573 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Tot Ion: 43 Resp: 2159838

Ion Ratio Lower Upper

43 100

86 7.3 5.4 8.2

42 10.2 8.6 12.8

44 4.9 3.8 5.6

Instrument :

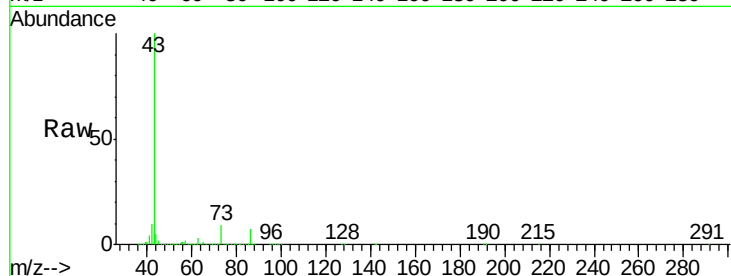
MSVOA_L

ClientSampleId :

VL0615ABS02

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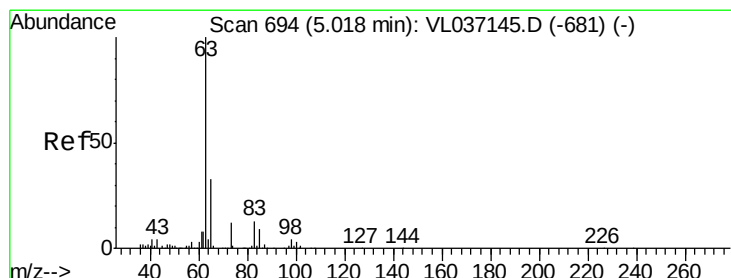
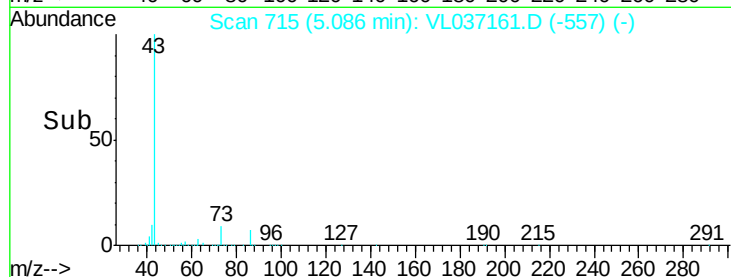
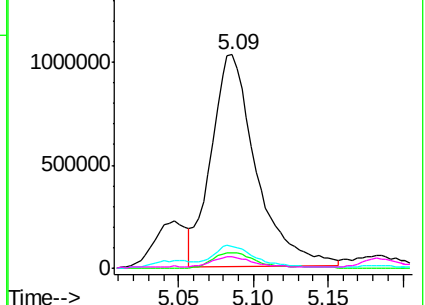


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.579 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

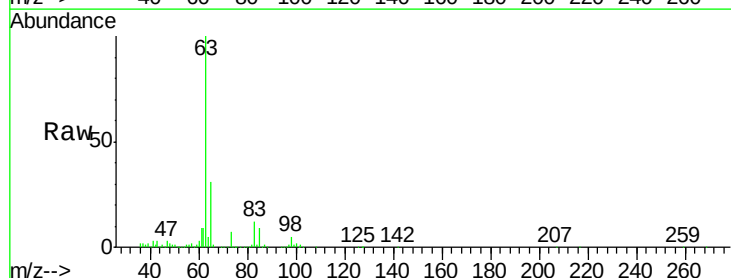
Tgt Ion: 63 Resp: 1734440

Ion Ratio Lower Upper

63 100

98 4.4 2.4 7.1

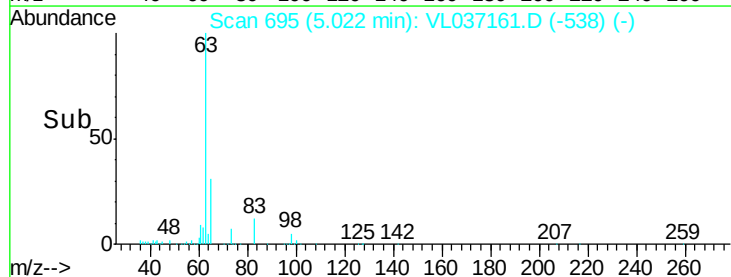
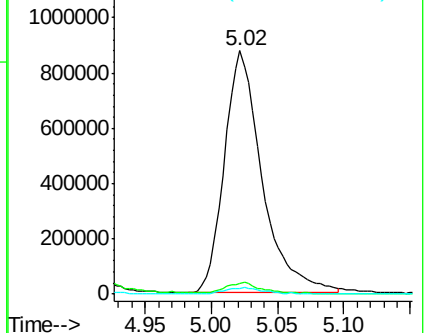
100 2.3 1.6 4.8

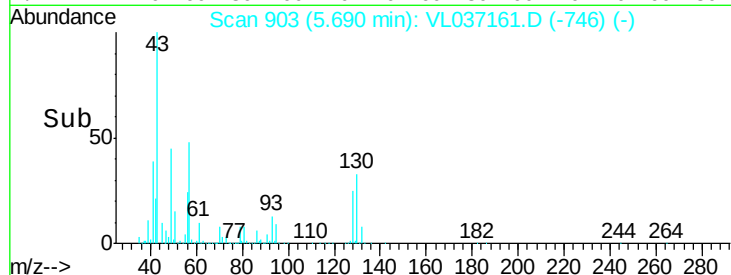
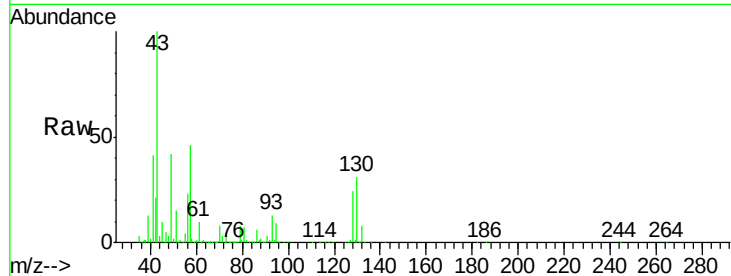
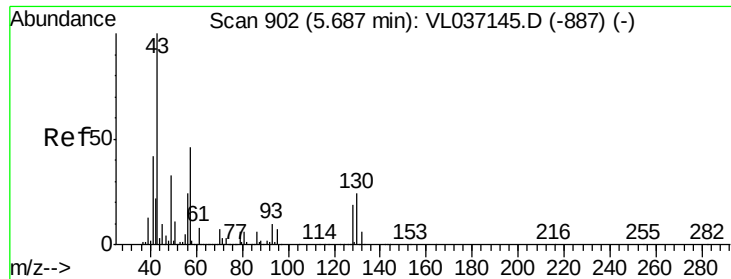


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





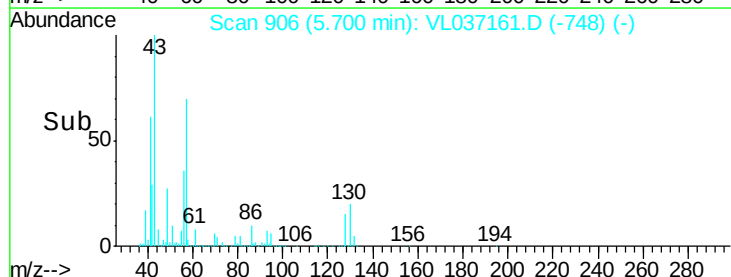
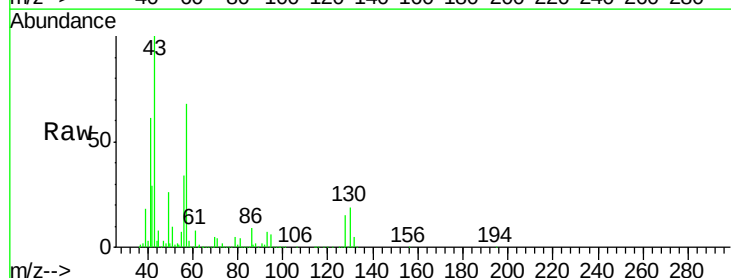
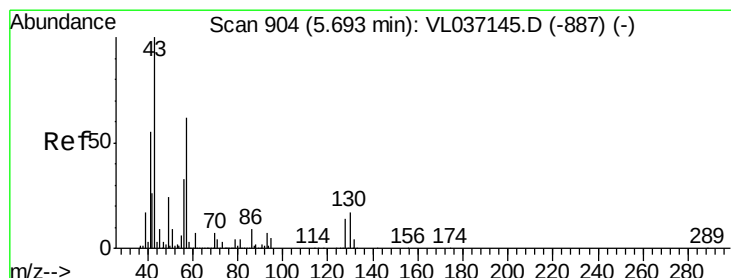
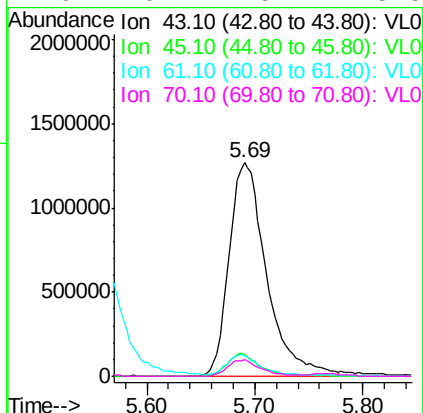
#25
Ethyl Acetate
Concen: 8.114 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Tot Ion	43	Resp	3049922
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.1	7.5	11.3
70	6.7	5.7	8.5

Instrument :
MSVOA_L
ClientSampleId :
VL0615ABS02

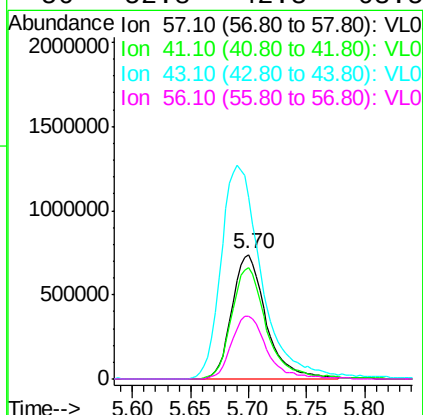
Manual Integrations
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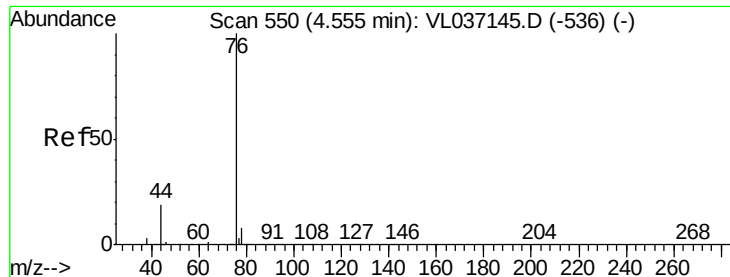
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6/16/2021 5:01:40 PM



#26
Hexane
Concen: 8.080 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Tgt Ion	57	Resp	1510533
Ion	Ratio	Lower	Upper
57	100		
41	92.8	73.6	110.4
43	206.8	168.8	253.2
56	52.8	42.3	63.5





#27

Carbon Disulfide

Concen: 8.840 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL0615ABS02

Tot Ion: 76 Resp: 1675427

Ion Ratio Lower Upper

76 100

44 19.1 15.6 23.4

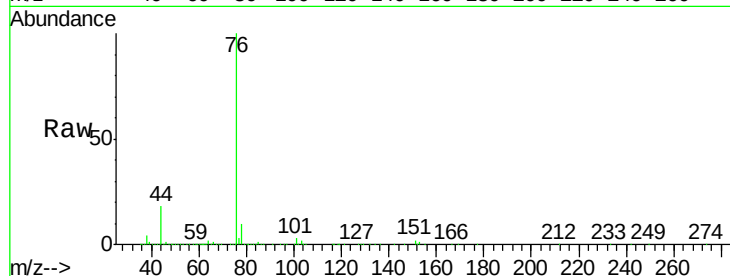
78 10.1 7.6 11.4

Manual Integrations

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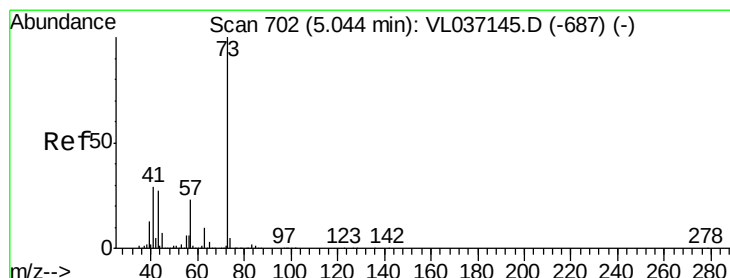
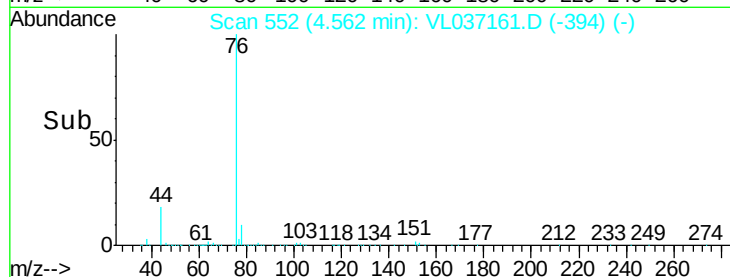
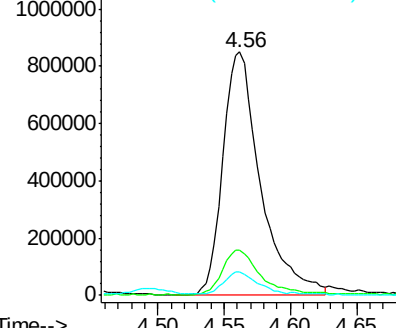
6/16/2021 5:01:40 PM



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: 8.077 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL037161.D

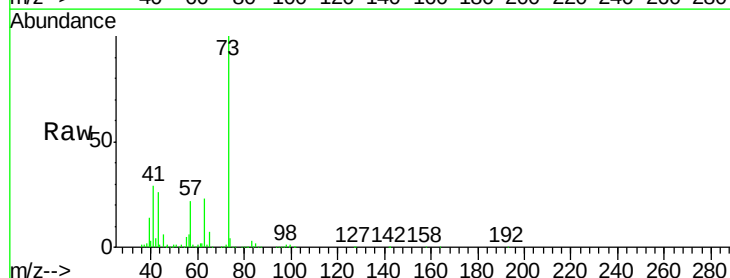
Acq: 15 Jun 2021 19:49

Tgt Ion: 73 Resp: 1891120

Ion Ratio Lower Upper

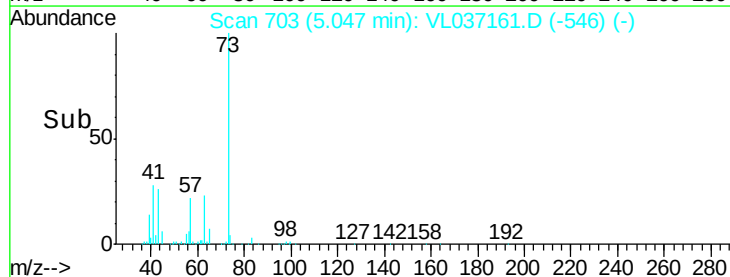
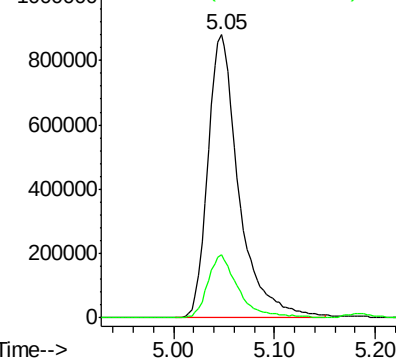
73 100

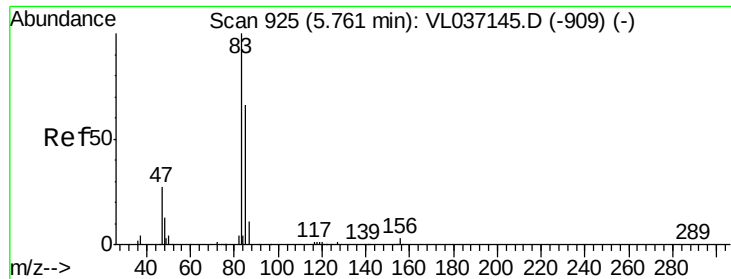
57 22.2 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





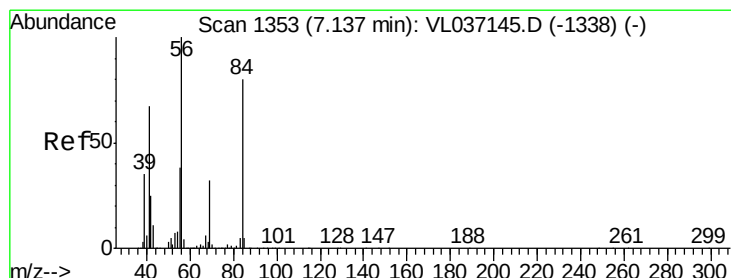
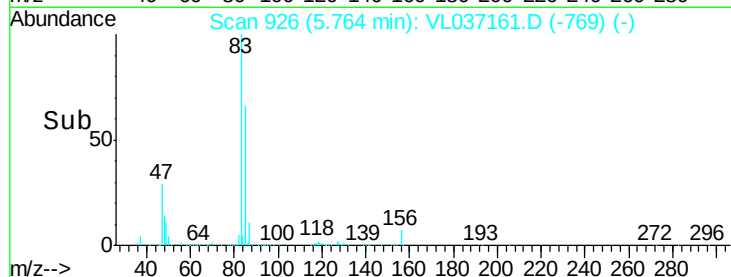
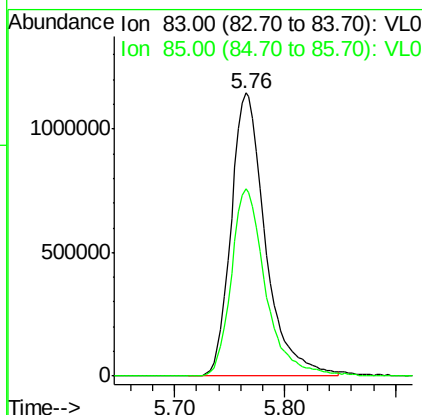
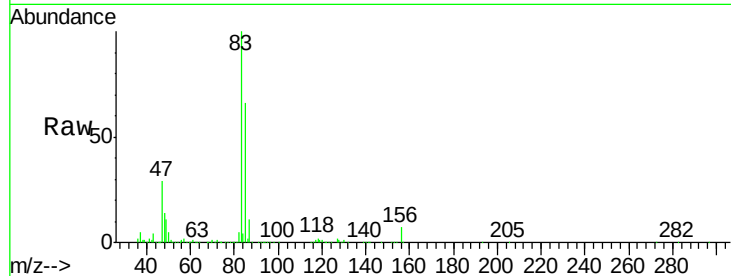
#29
Chloroform
Concen: 8.203 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL0615ABS02

Tot Ion: 83 Resp: 2475683
Ion Ratio Lower Upper
83 100
85 66.0 52.6 78.8

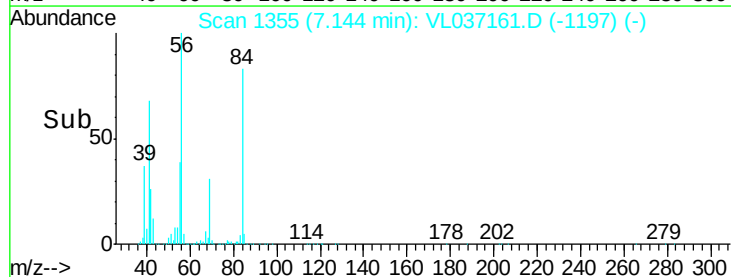
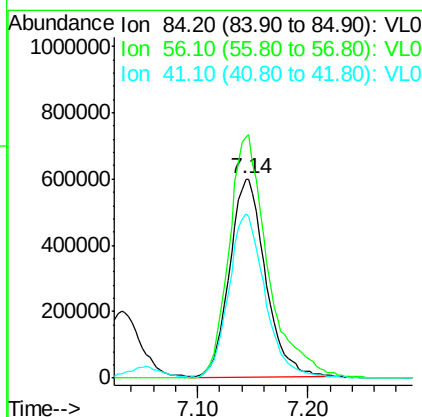
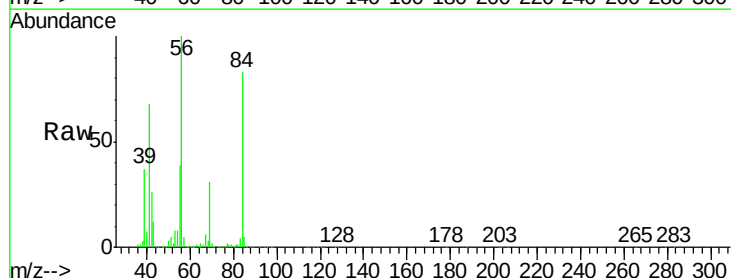
Manual Integrations
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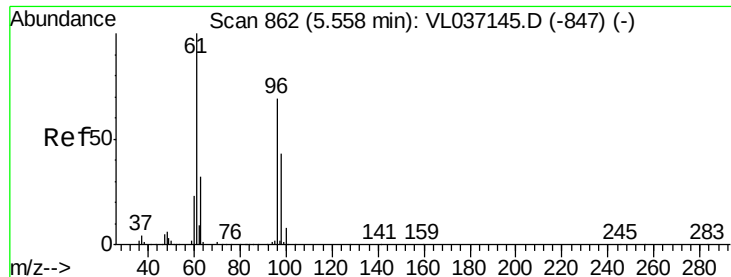
MMDadoda
6/16/2021 5:01:40 PM



#30
Cyclohexane
Concen: 8.270 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Tgt Ion: 84 Resp: 1347867
Ion Ratio Lower Upper
84 100
56 133.2 103.9 155.9
41 83.2 66.5 99.7





#31

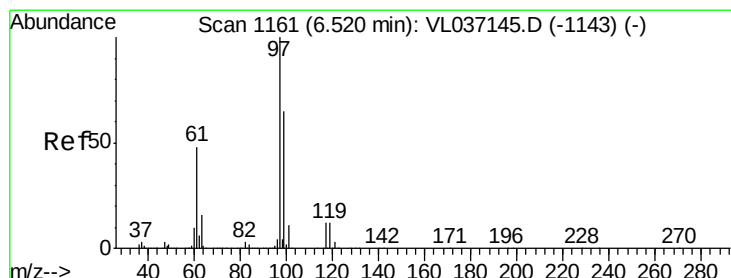
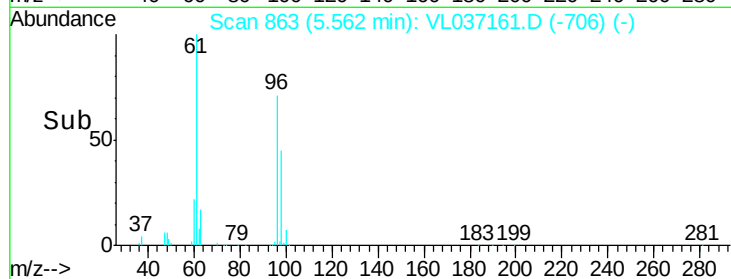
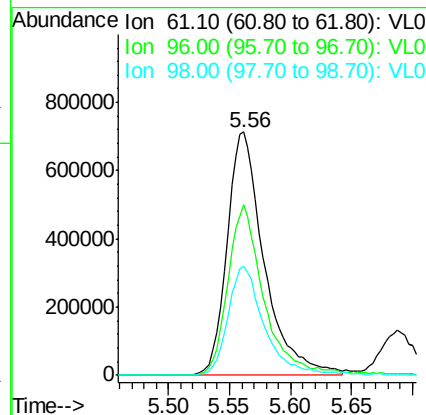
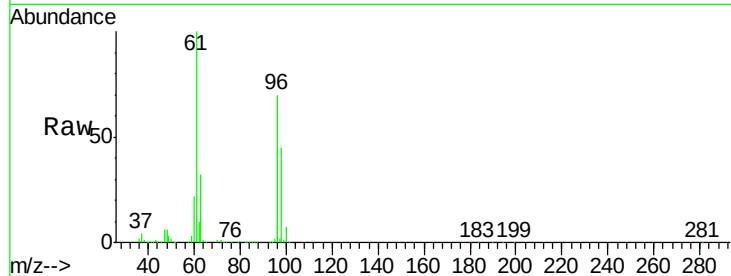
cis-1,2-Dichloroethene
Concen: 8.362 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.00 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL0615ABS02

Tot Ion	Ratio	Lower	Upper
61	100		
96	69.8	55.3	82.9
98	44.9	34.7	52.1

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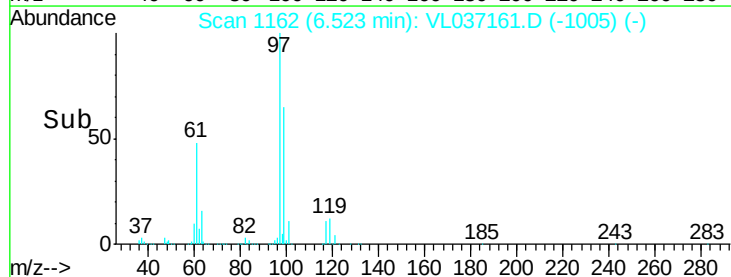
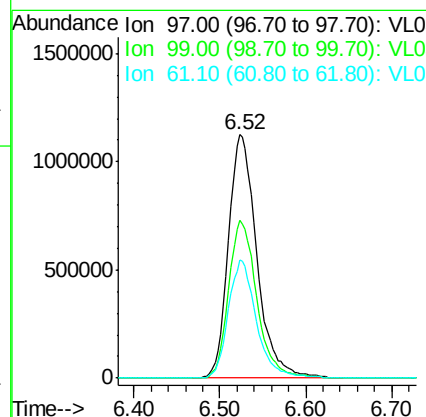
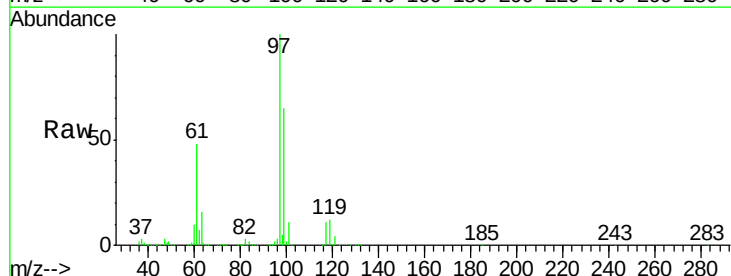
MMDadoda
6/16/2021 5:01:40 PM

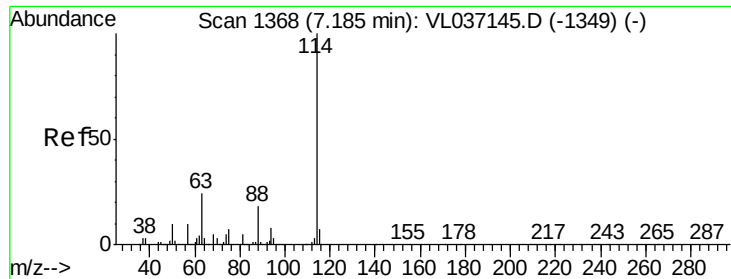


#32

1,1,1-Trichloroethane
Concen: 9.325 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.4	78.6
61	48.2	38.5	57.7





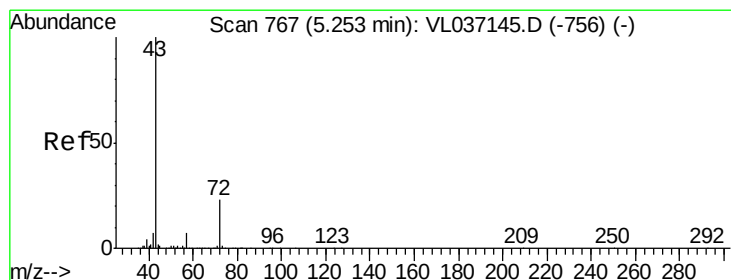
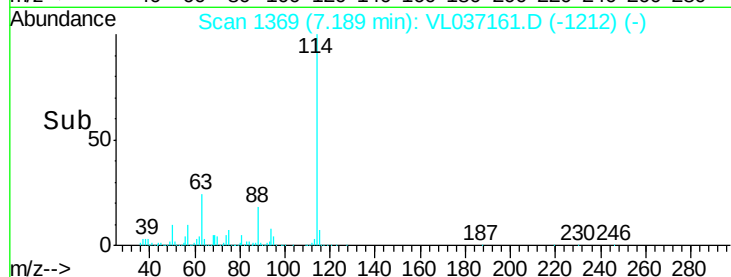
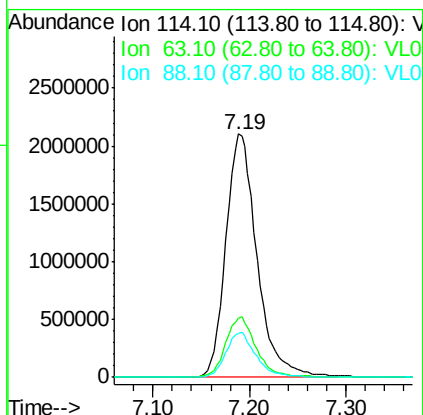
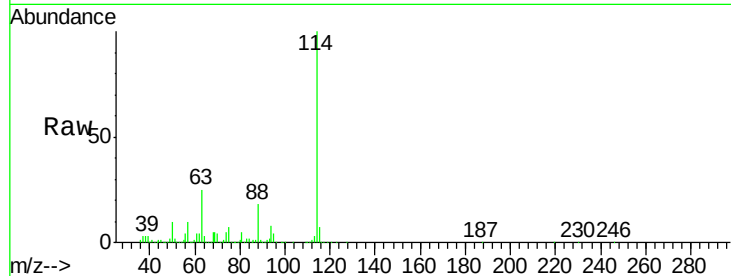
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

Tot Ion:114 Resp: 4704668
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.8 29.6
 88 17.9 14.3 21.5

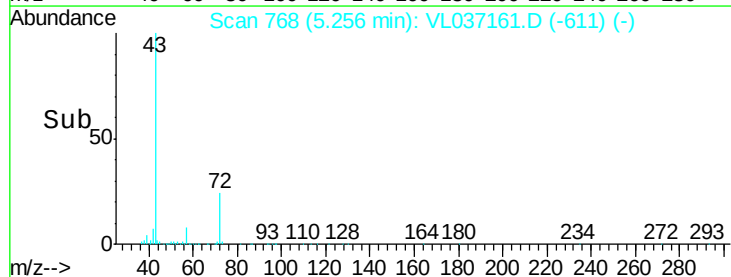
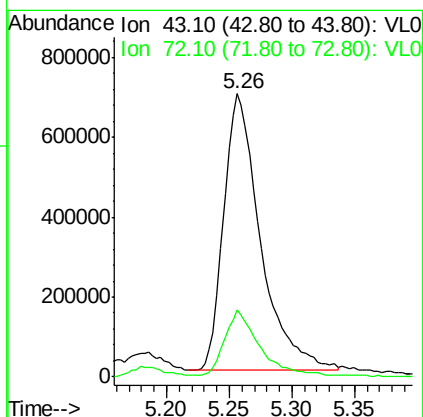
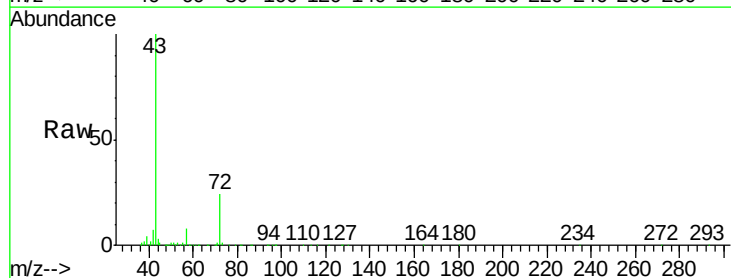
Manual Integrations
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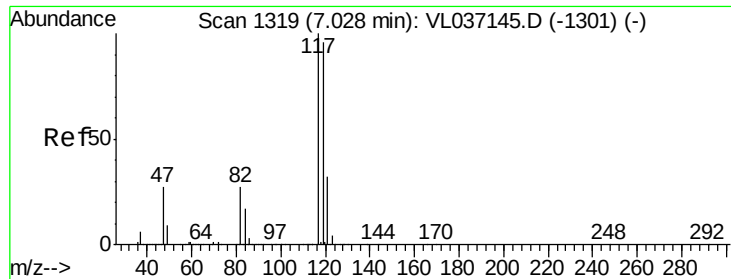
MMDadoda
 6/16/2021 5:01:40 PM



#34
 2-Butanone
 Concen: 8.008 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Tgt Ion: 43 Resp: 1415000
 Ion Ratio Lower Upper
 43 100
 72 23.7 18.6 28.0





#35

Carbon Tetrachloride

Concen: 9.322 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL0615ABS02

Tot Ion:117 Resp: 2696072

Ion Ratio Lower Upper

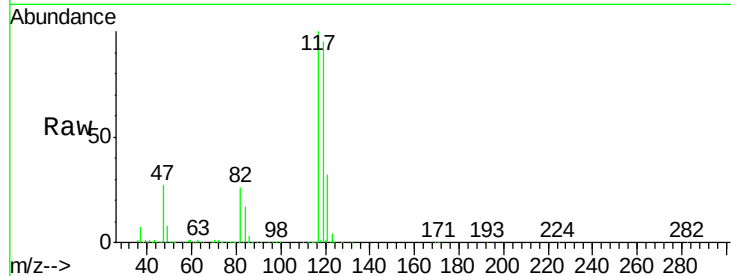
117 100

119 95.3 77.0 115.4

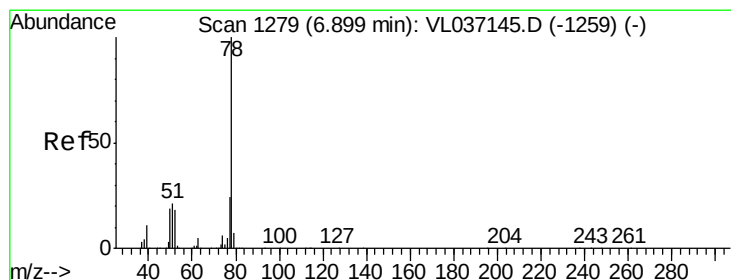
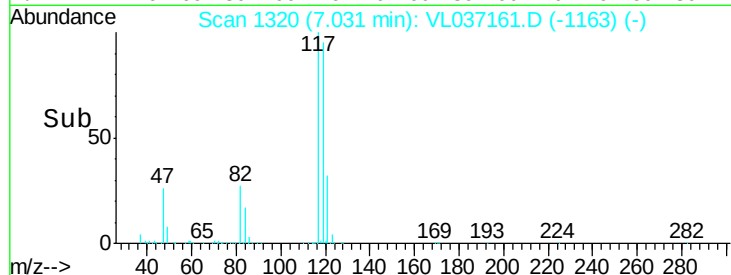
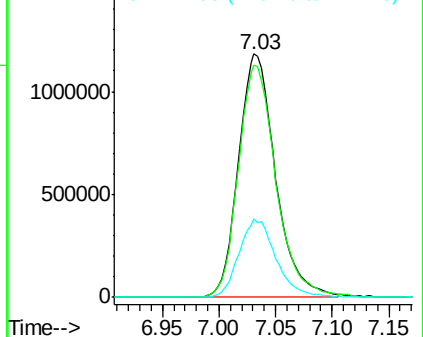
121 32.1 25.4 38.0

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6/16/2021 5:01:40 PM



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: 8.536 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

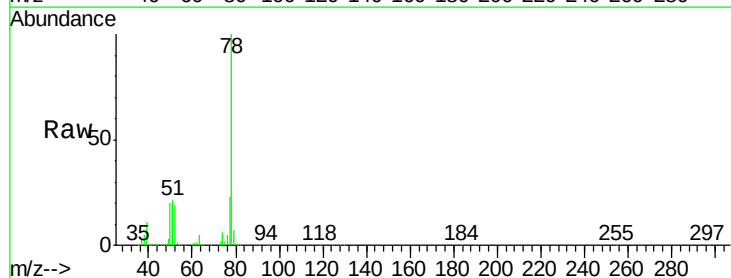
Tgt Ion: 78 Resp: 3186533

Ion Ratio Lower Upper

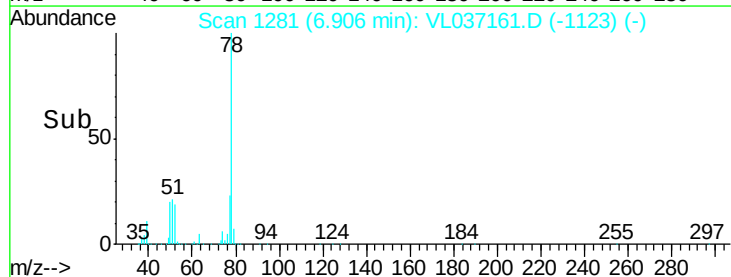
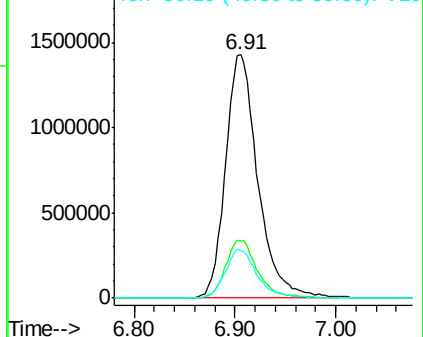
78 100

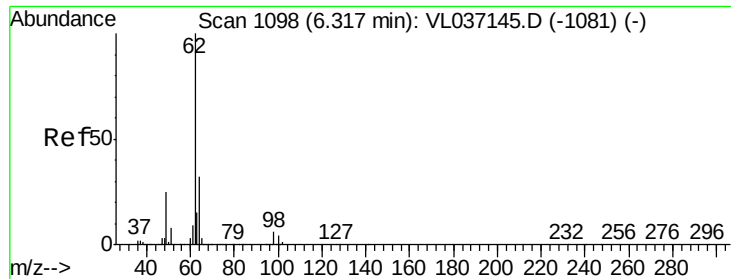
77 23.5 19.5 29.3

50 19.6 15.5 23.3



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





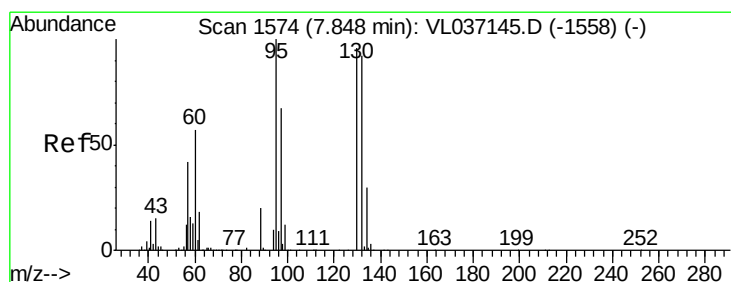
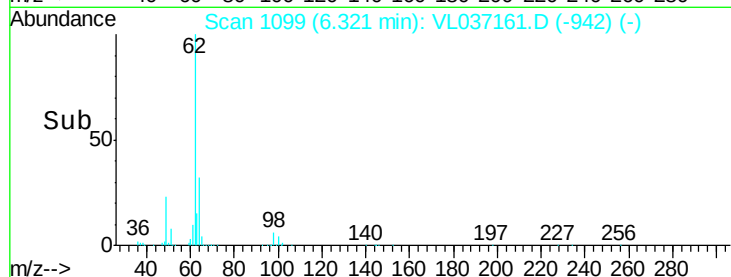
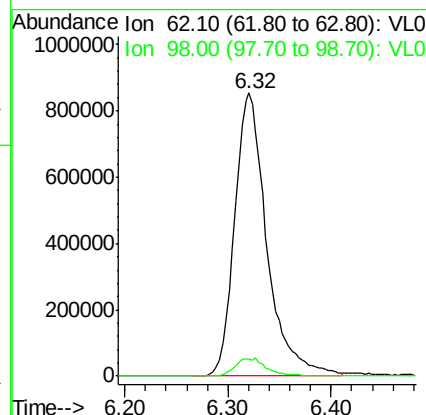
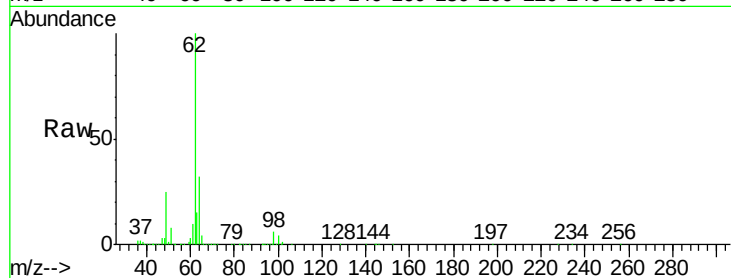
#37
 1,2-Dichloroethane
 Concen: 8.562 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

Tot Ion: 62 Resp: 1855942
 Ion Ratio Lower Upper
 62 100
 98 6.5 5.1 7.7

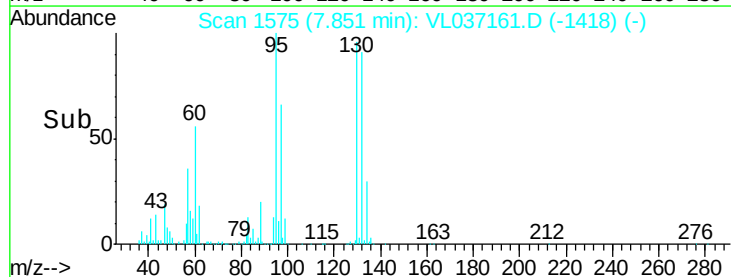
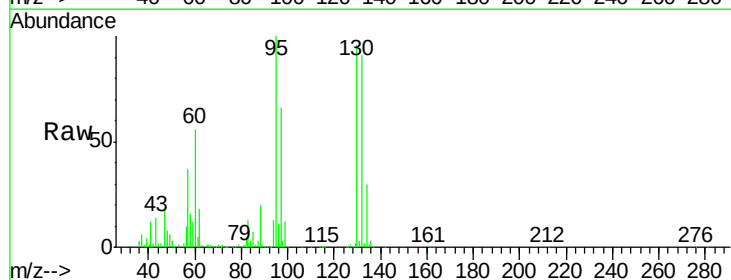
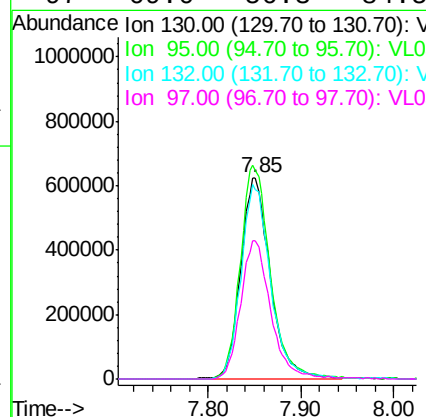
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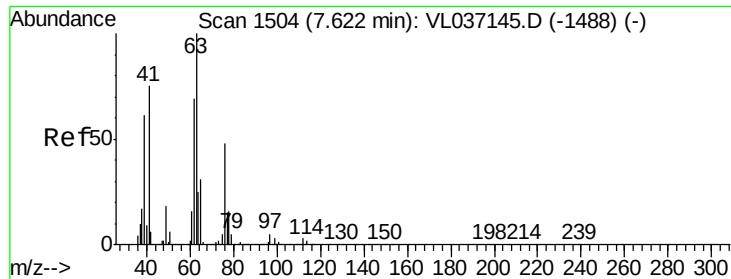
MMDadoda
 6/16/2021 5:01:40 PM



#38
 Trichloroethene
 Concen: 8.551 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Tgt Ion: 130 Resp: 1379454
 Ion Ratio Lower Upper
 130 100
 95 104.1 83.5 125.3
 132 94.4 76.8 115.2
 97 69.0 56.3 84.5





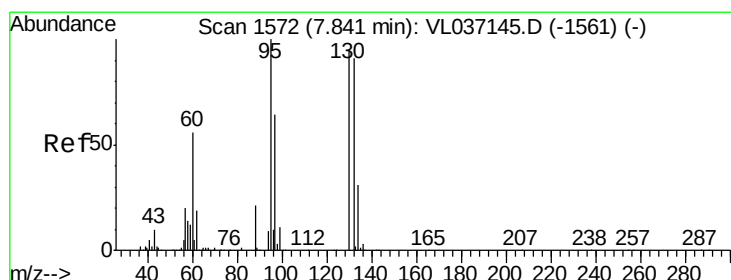
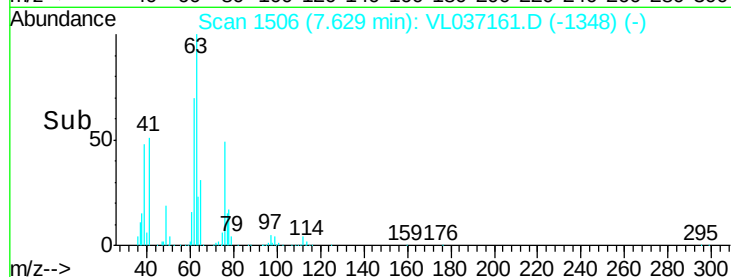
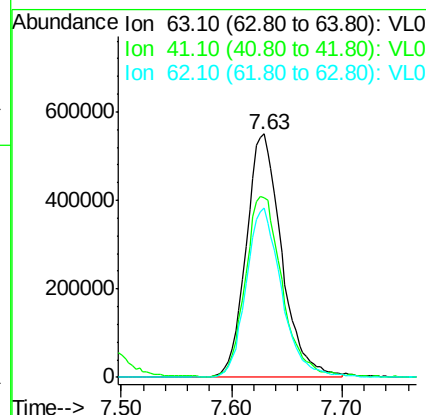
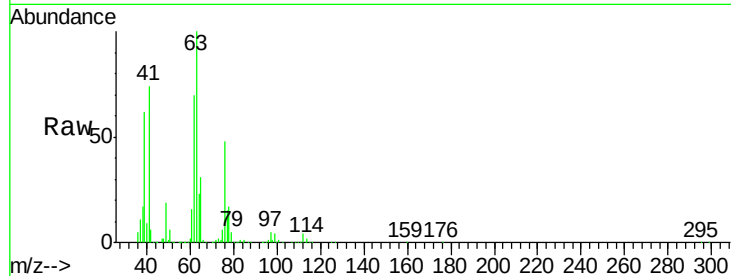
#39
 1,2-Dichloropropane
 Concen: 8.571 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.01 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

Tot Ion	Ratio	Lower	Upper
63	100		
41	73.5	60.0	90.0
62	69.5	55.4	83.0

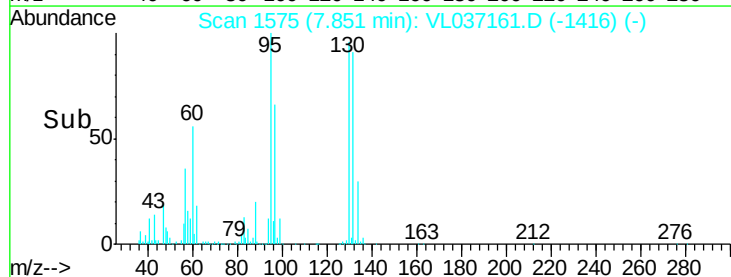
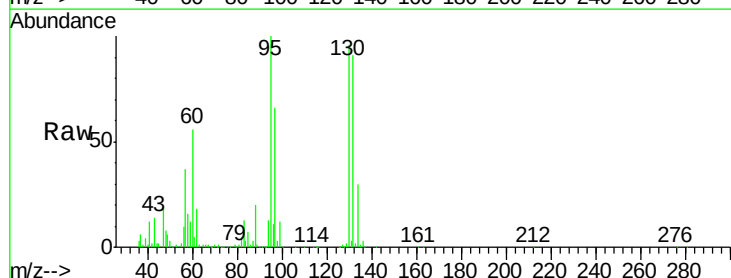
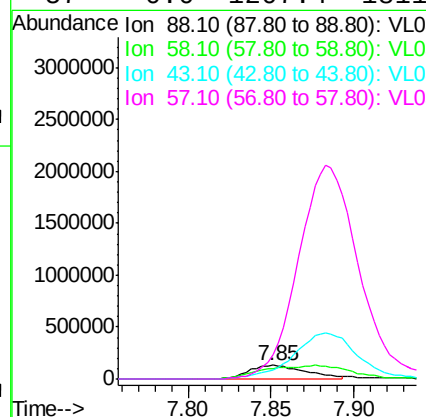
Manual Integrations
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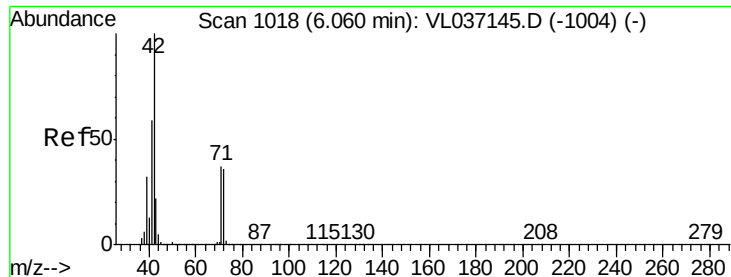
MMDadoda
 6/16/2021 5:01:40 PM



#40
 1,4-Dioxane
 Concen: 7.944 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	115.6	173.4#
43	0.0	278.3	417.5#
57	0.0	1207.4	1811.0#





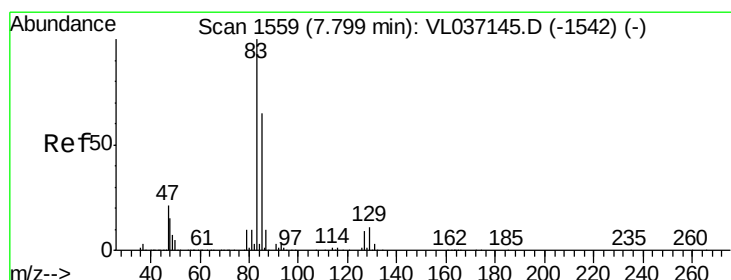
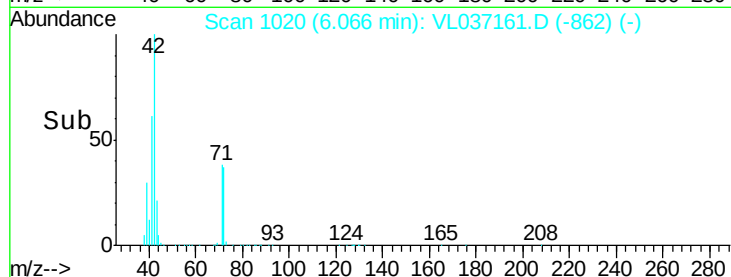
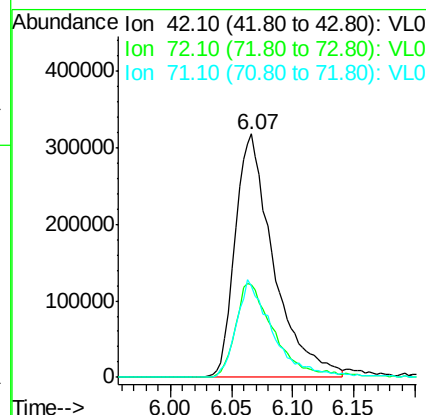
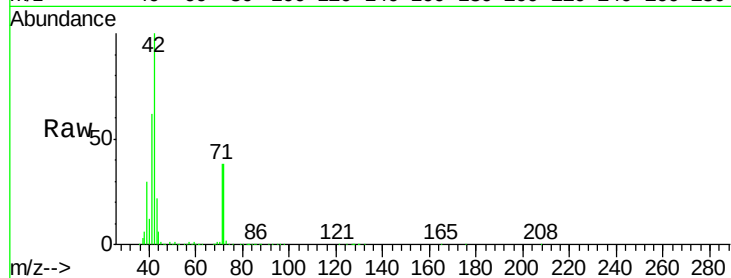
#41
Tetrahydrofuran
Concen: 8.089 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL0615ABS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.7	47.5
71	38.5	31.0	46.6

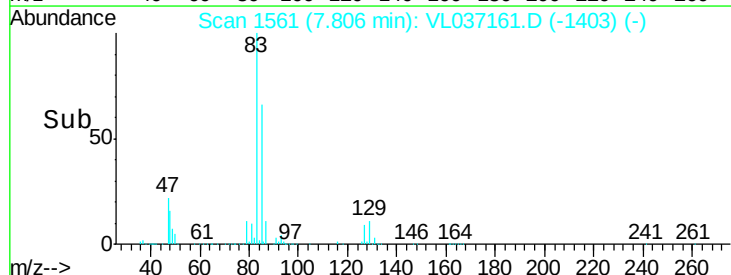
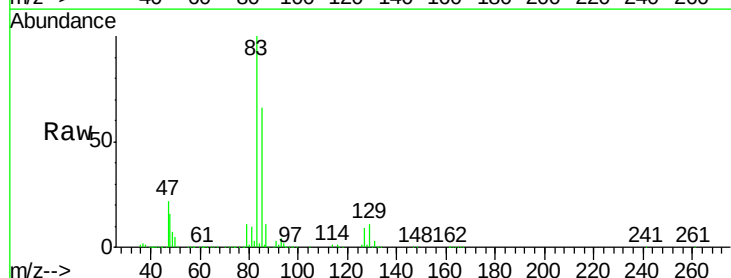
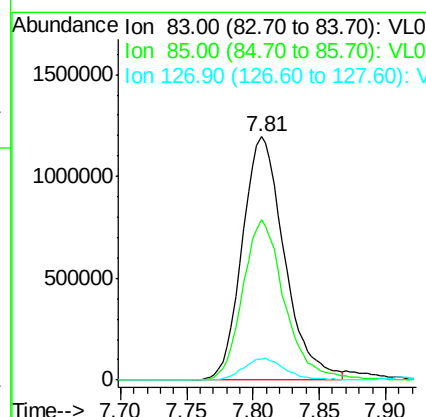
Manual Integrations
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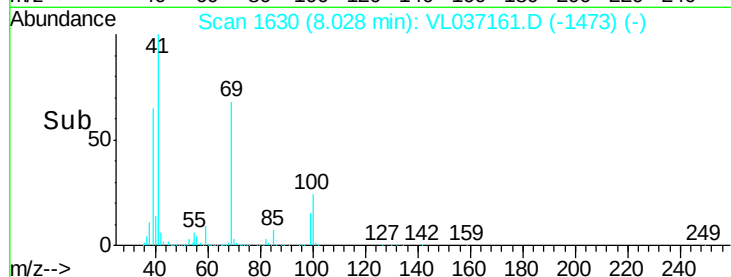
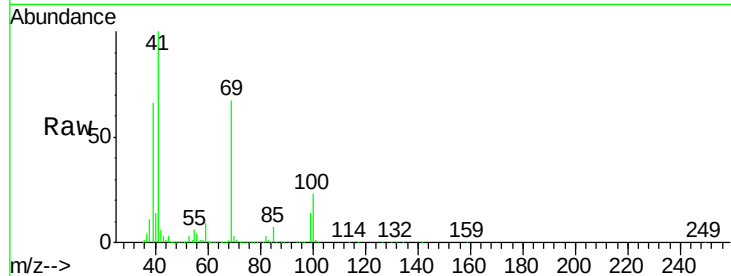
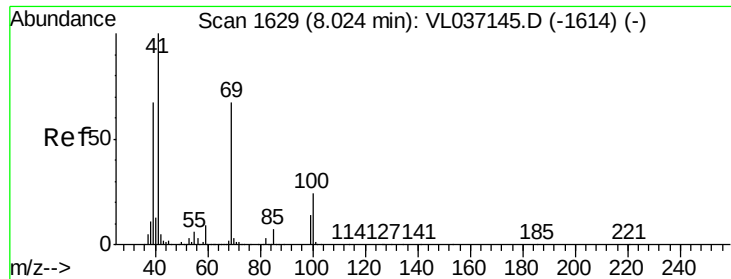
MMDadoda
6/16/2021 5:01:40 PM



#42
Bromodichloromethane
Concen: 8.864 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.7	77.5
127	8.8	7.4	11.0





#43

Methyl Methacrylate

Concen: 9.498 ppbv

RT: 8.03 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Tot Ion: 69 Resp: 1216474

Ion Ratio Lower Upper

69 100

41 149.3 117.7 176.5

100 35.4 27.9 41.9

Instrument :

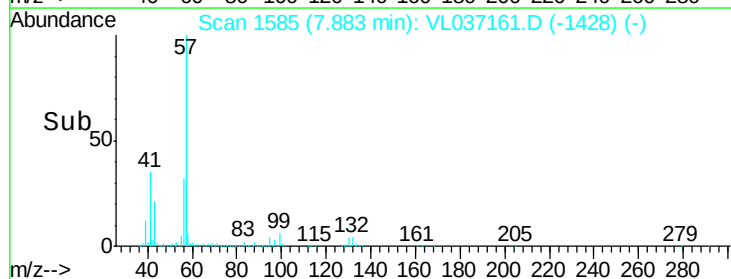
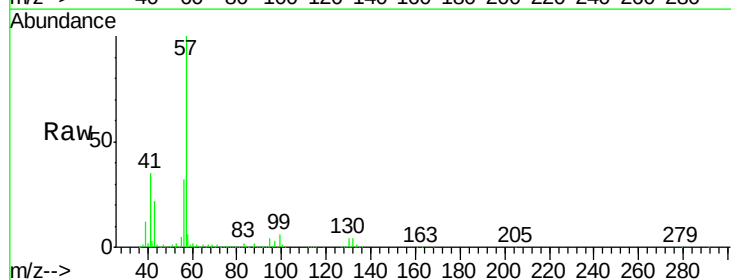
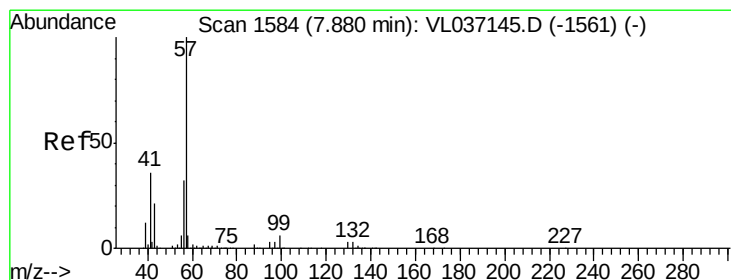
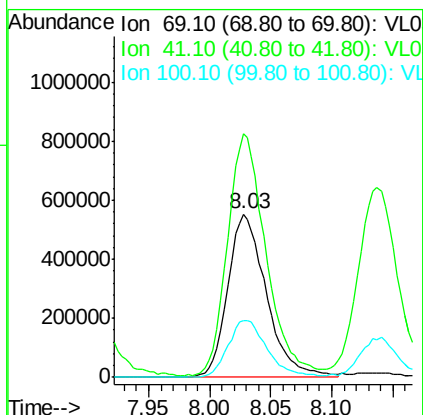
MSVOA_L

ClientSampleId :

VL0615ABS02

Manual Integrations
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MMDadoda
6/16/2021 5:01:40 PM



#44

2,2,4-Trimethylpentane

Concen: 8.448 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

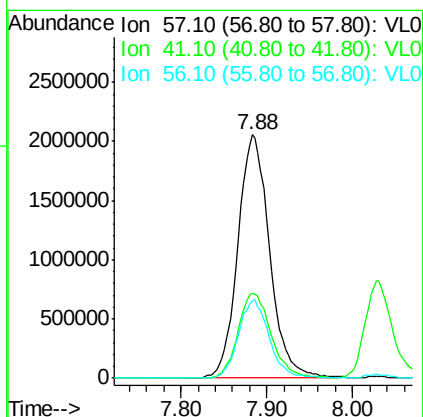
Tgt Ion: 57 Resp: 5278816

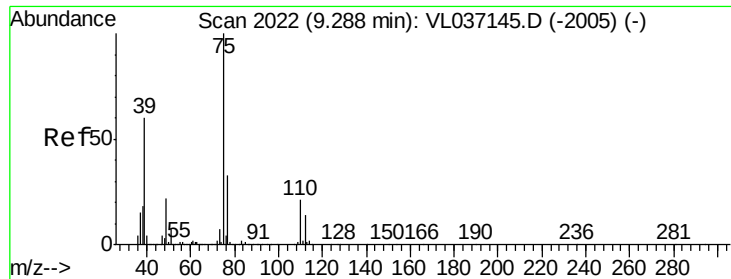
Ion Ratio Lower Upper

57 100

41 36.2 28.1 42.1

56 31.2 25.4 38.2





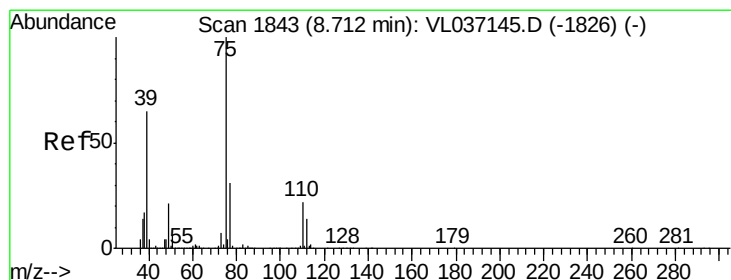
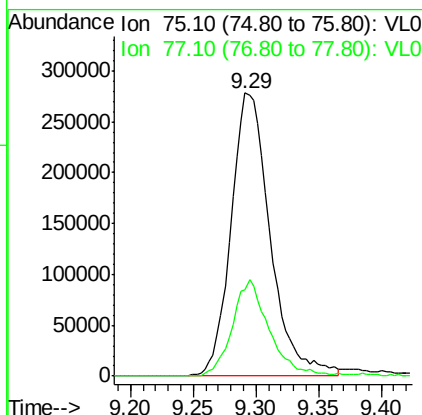
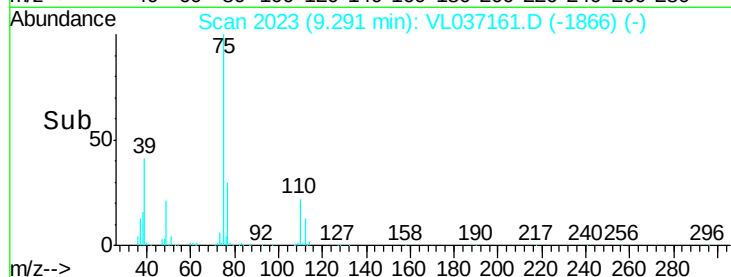
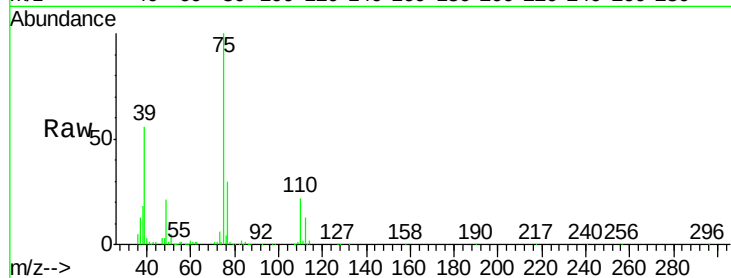
#45
 t-1,3-Dichloropropene
 Concen: 5.182 ppbv
 RT: 9.29 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

Tot Ion: 75 Resp: 598027
 Ion Ratio Lower Upper
 75 100
 77 30.4 26.2 39.2

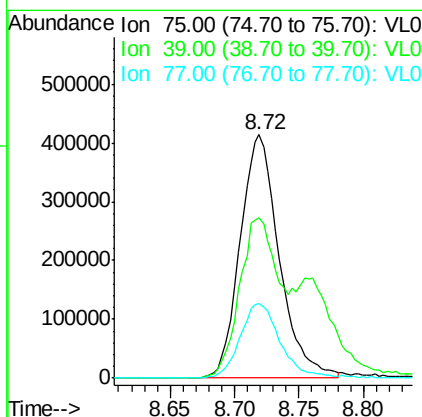
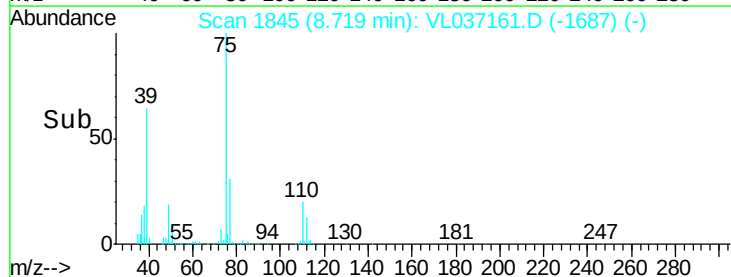
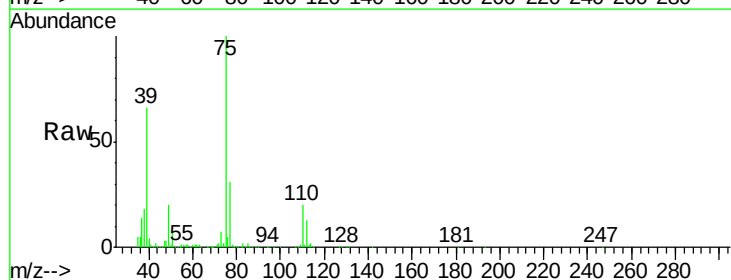
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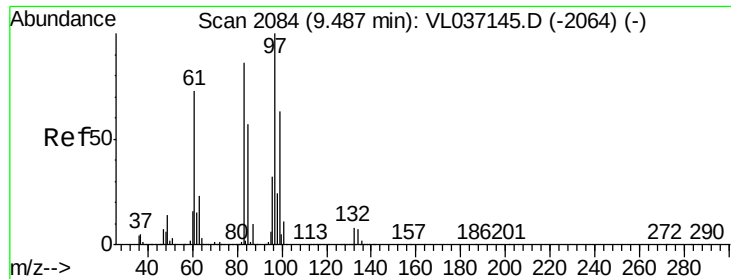
MMDadoda
 6/16/2021 5:01:40 PM



#46
 cis-1,3-Dichloropropene
 Concen: 5.673 ppbv
 RT: 8.72 min Scan# 1845
 Delta R.T. 0.01 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Tgt Ion: 75 Resp: 873577
 Ion Ratio Lower Upper
 75 100
 39 65.6 52.2 78.4
 77 30.6 24.5 36.7





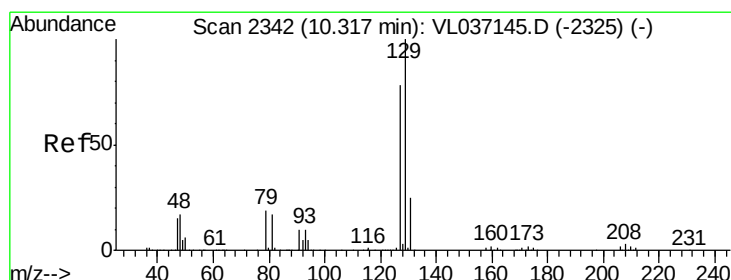
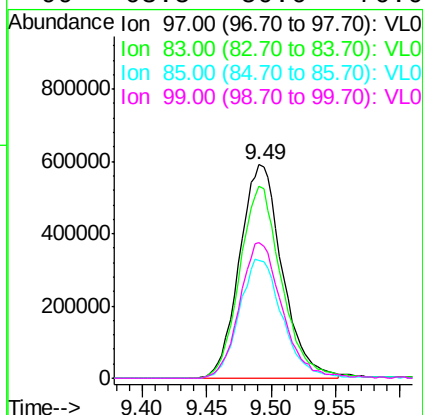
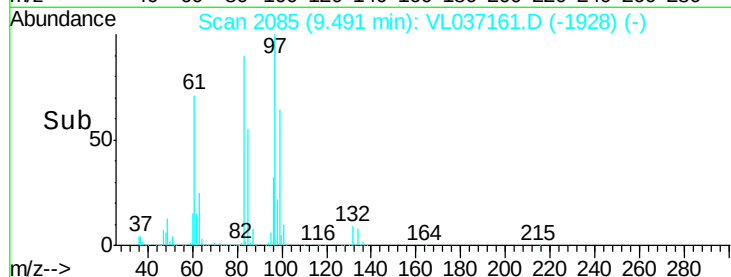
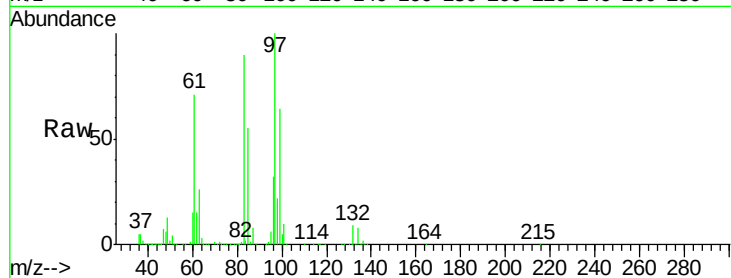
#47
 1,1,2-Trichloroethane
 Concen: 8.425 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.9	69.0	103.4
85	55.4	45.7	68.5
99	63.5	50.6	76.0

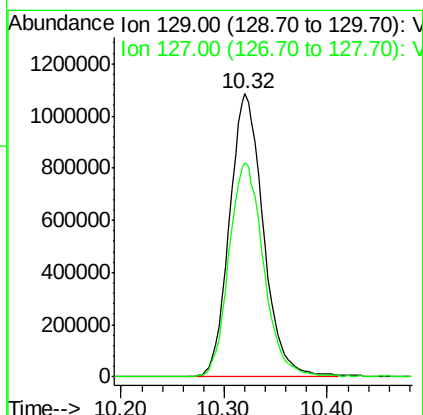
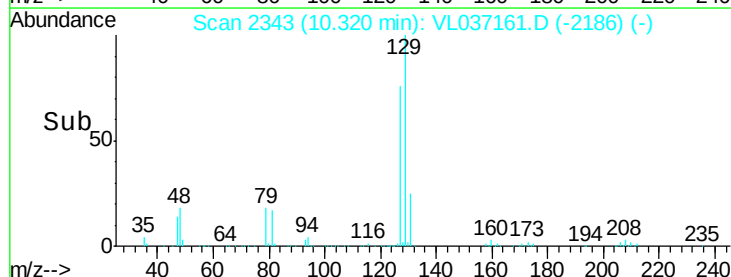
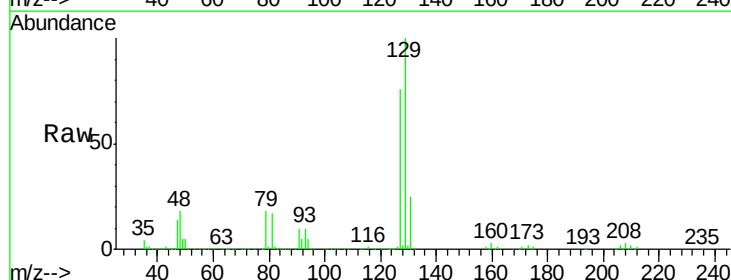
Manual Integrations
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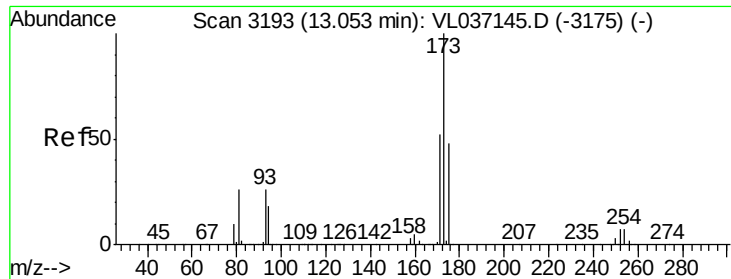
MMDadoda
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#48
 Dibromochloromethane
 Concen: 9.485 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.4	118.2





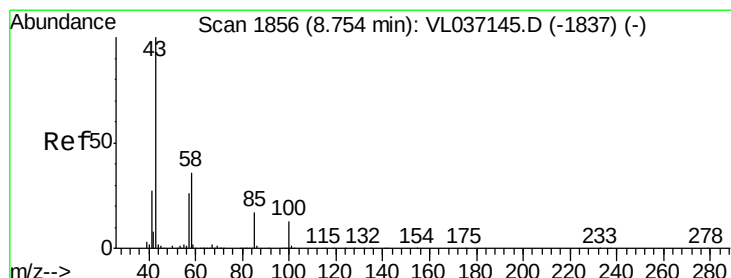
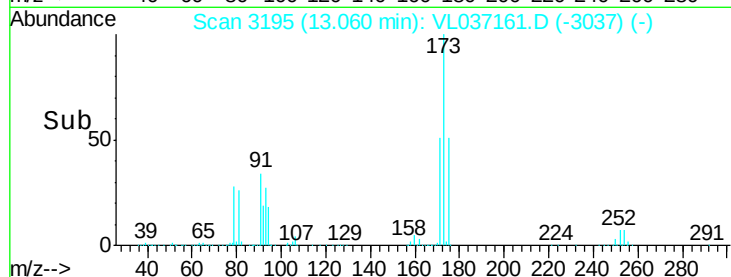
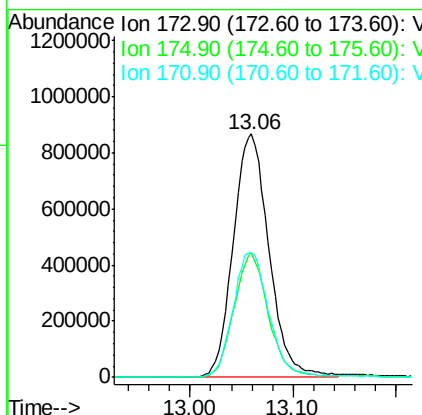
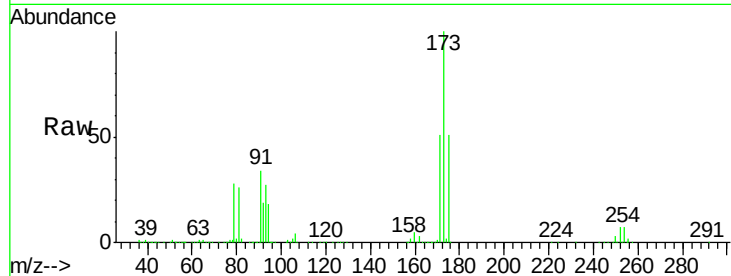
#49
Bromoform
Concen: 10.268 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. 0.01 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL0615ABS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.8	59.6
171	52.2	42.5	63.7

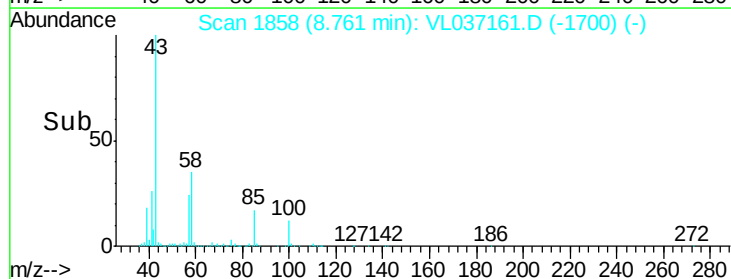
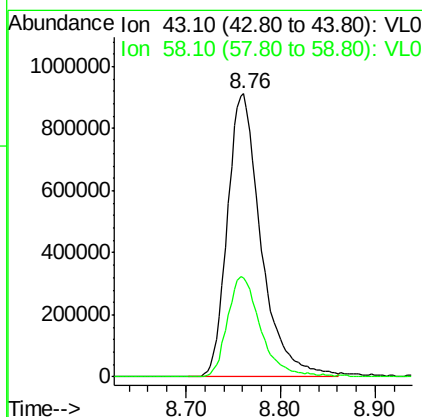
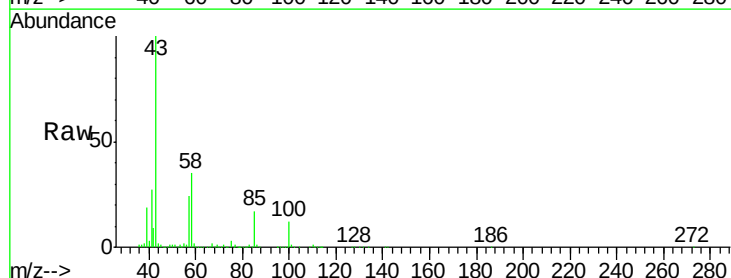
Manual Integrations
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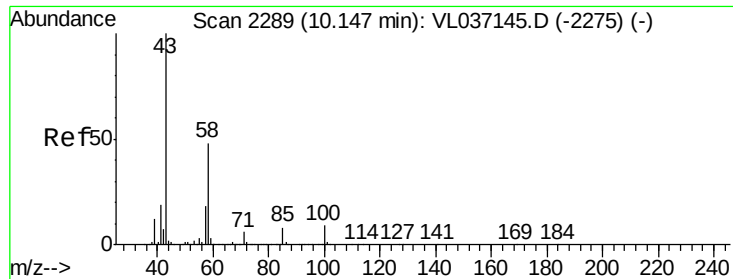
MMDadoda
6/16/2021 5:01:40 PM



#50
4-Methyl-2-Pentanone
Concen: 8.649 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.01 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.7	29.0	43.6





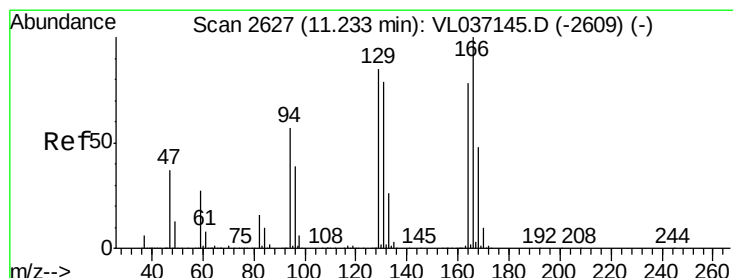
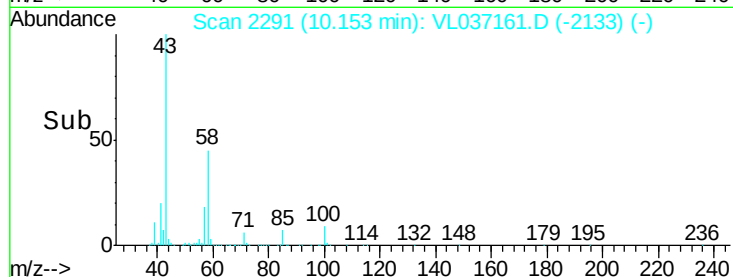
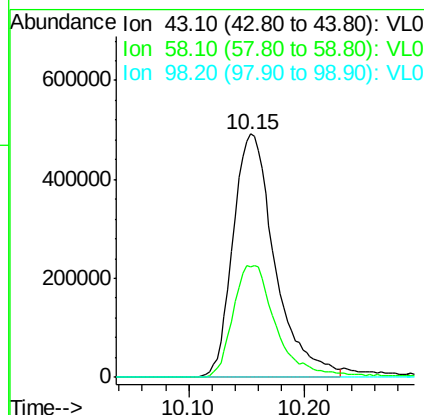
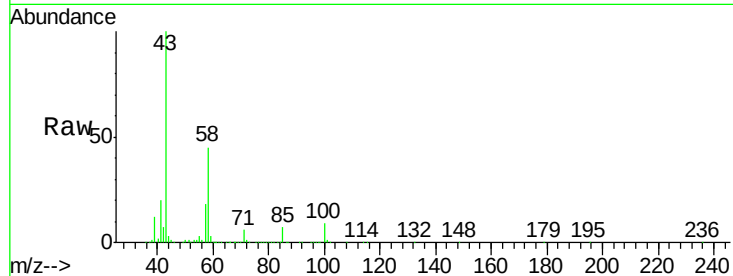
#51
2-Hexanone
Concen: 9.484 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL0615ABS02

Tot Ion: 43 Resp: 1230380
Ion Ratio Lower Upper
43 100
58 48.4 40.1 60.1
98 0.4 0.2 0.4#

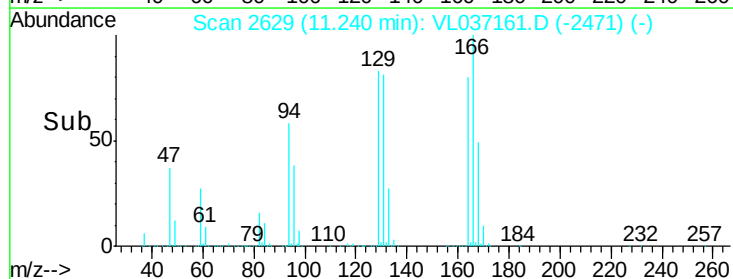
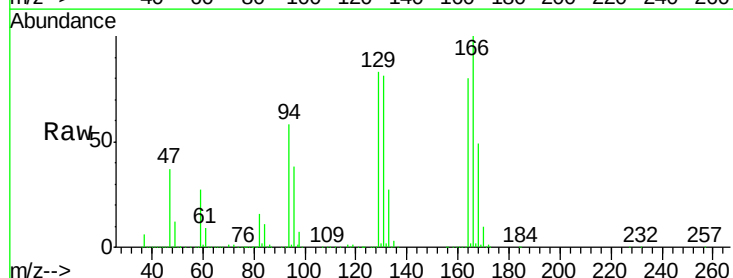
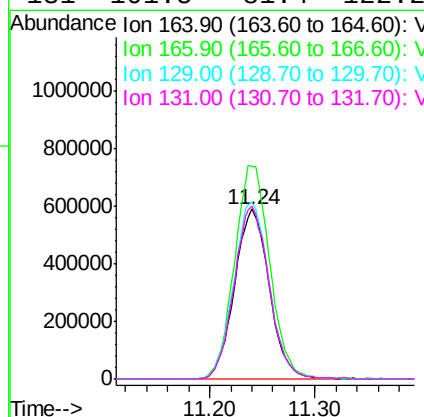
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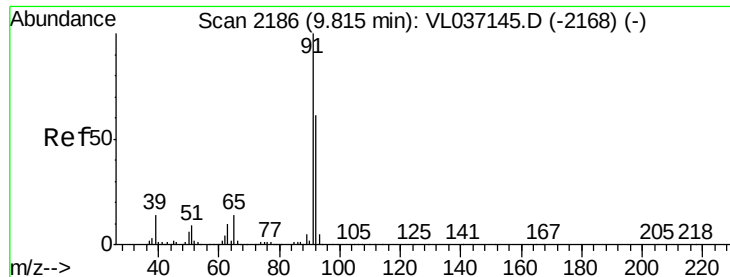
MMDadoda
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#52
Tetrachloroethene
Concen: 8.713 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Tgt Ion:164 Resp: 1345221
Ion Ratio Lower Upper
164 100
166 125.6 102.6 154.0
129 104.2 87.4 131.2
131 101.5 81.4 122.2





#53

Toluene

Concen: 8.725 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL0615ABS02

Tot Ion: 91 Resp: 3871700

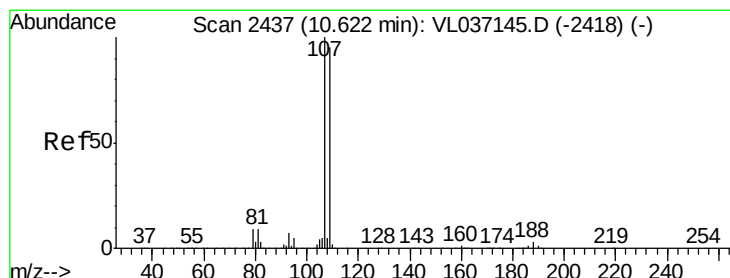
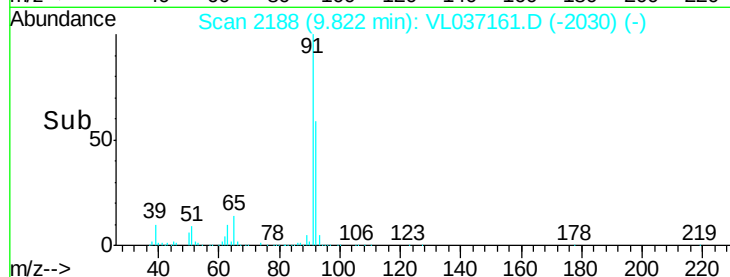
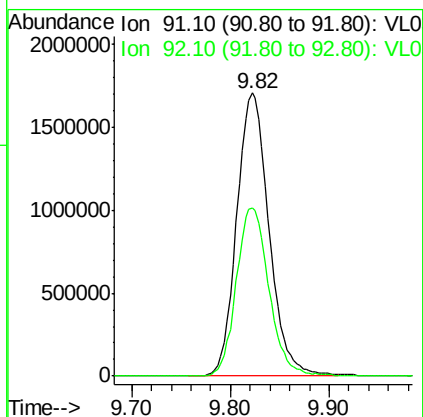
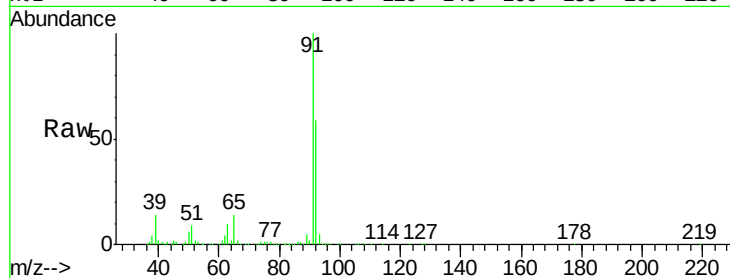
Ion Ratio Lower Upper

91 100

92 60.5 48.6 73.0

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#54

1,2-Dibromoethane

Concen: 8.317 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VL037161.D

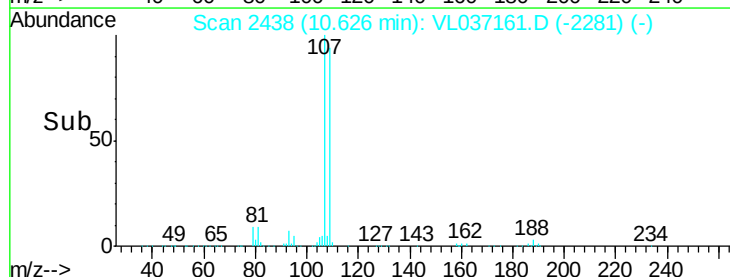
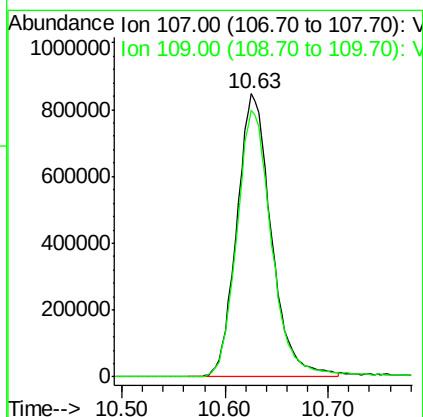
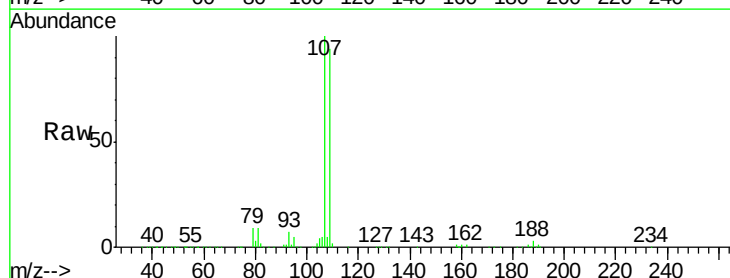
Acq: 15 Jun 2021 19:49

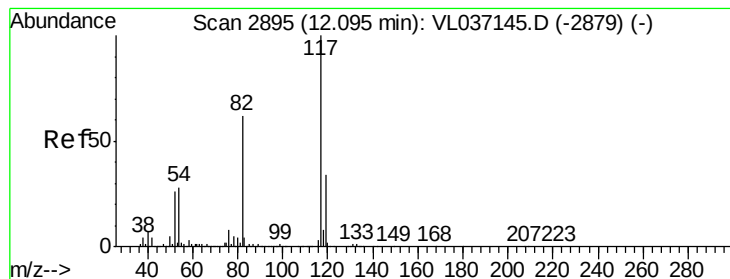
Tgt Ion: 107 Resp: 1968903

Ion Ratio Lower Upper

107 100

109 94.3 75.6 113.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.10 min Scan# 2897

Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL0615ABS02

Tot Ion:117 Resp: 4547837

Ion Ratio Lower Upper

117 100

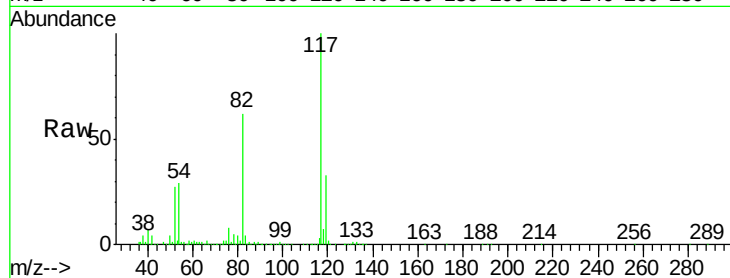
82 61.9 50.6 76.0

119 55.2 27.1 40.7#

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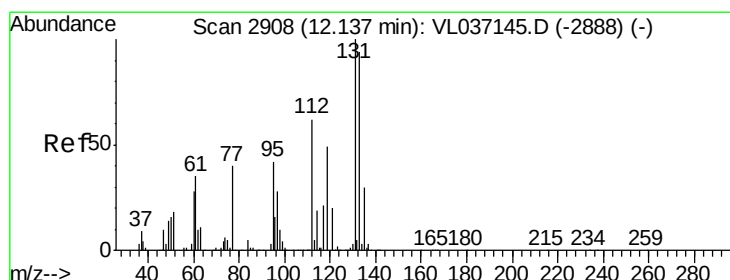
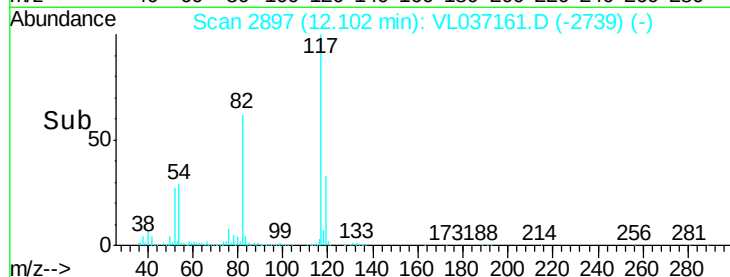
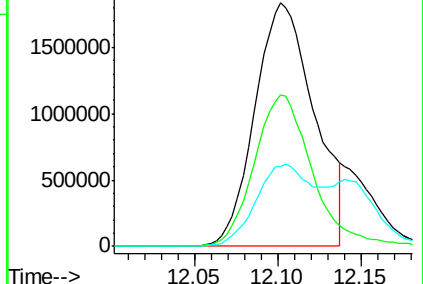
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.700 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

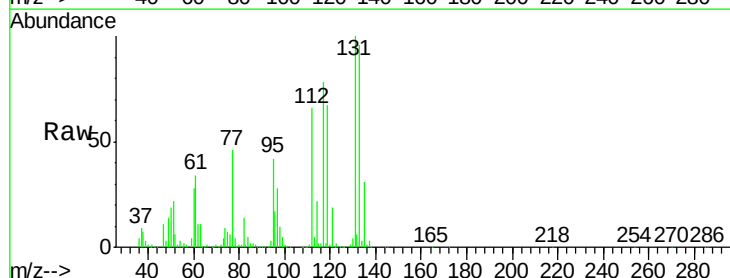
Tgt Ion:131 Resp: 1725530

Ion Ratio Lower Upper

131 100

133 96.7 76.7 115.1

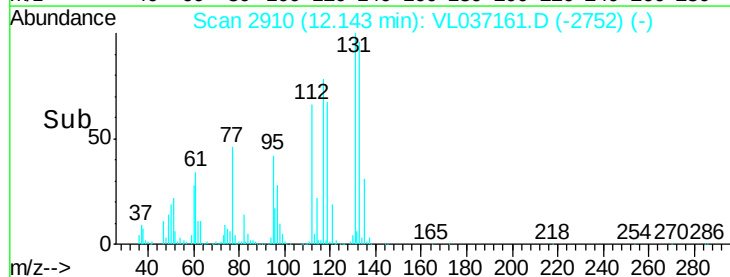
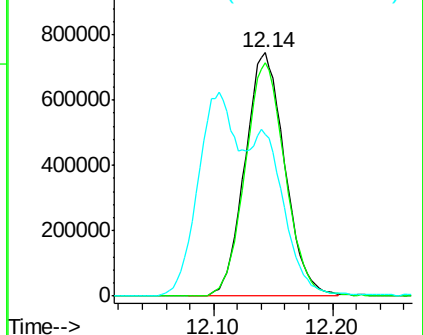
119 145.3 50.7 76.1#

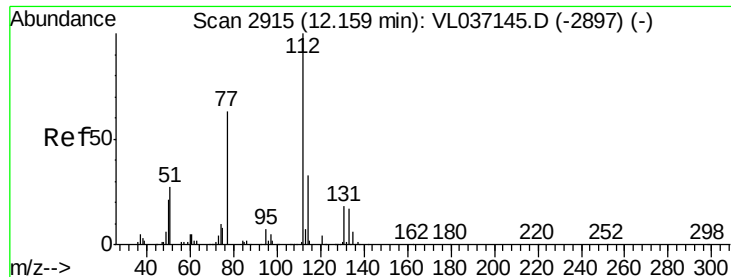


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.169 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL0615ABS02

Tot Ion: 112 Resp: 2977015

Ion Ratio Lower Upper

112 100

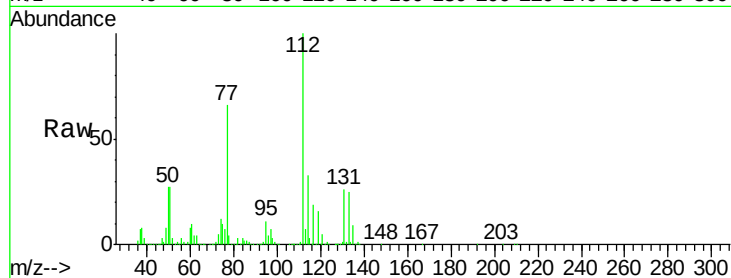
77 64.9 51.4 77.2

114 32.9 29.7 36.3

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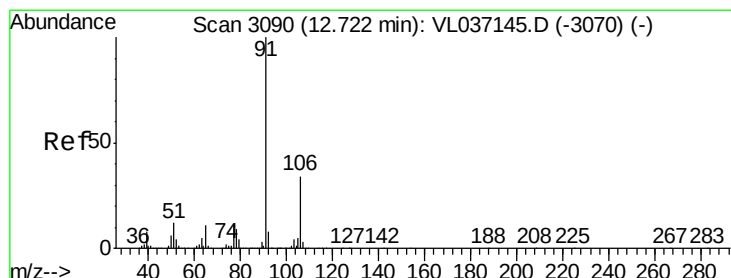
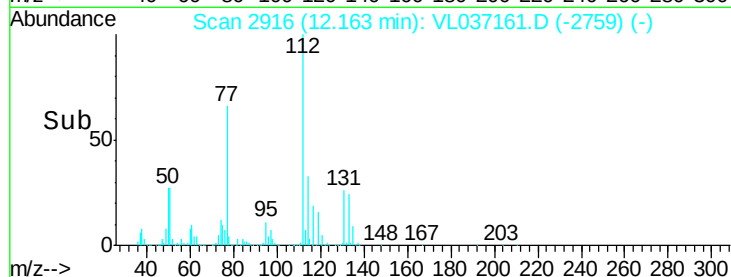
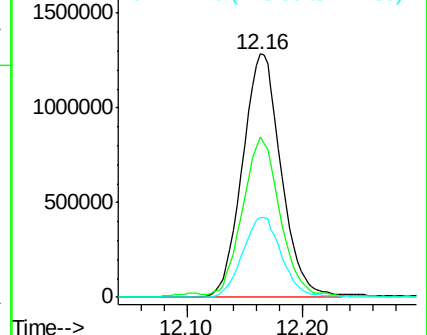
6/16/2021 5:01:40 PM



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: 8.481 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.00 min

Lab File: VL037161.D

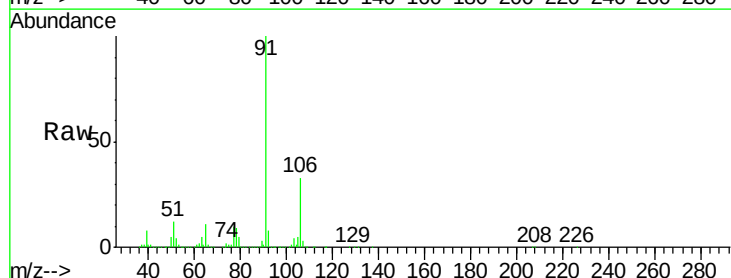
Acq: 15 Jun 2021 19:49

Tgt Ion: 91 Resp: 5224627

Ion Ratio Lower Upper

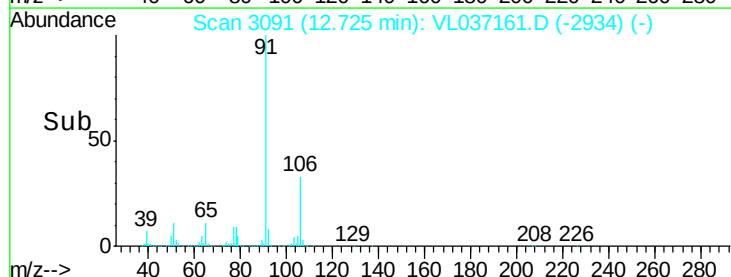
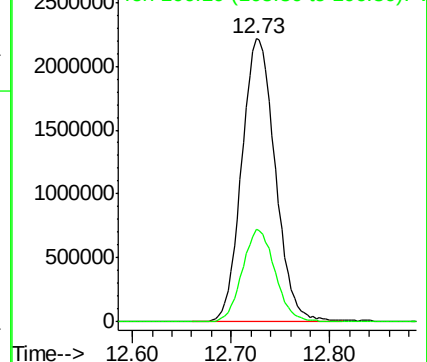
91 100

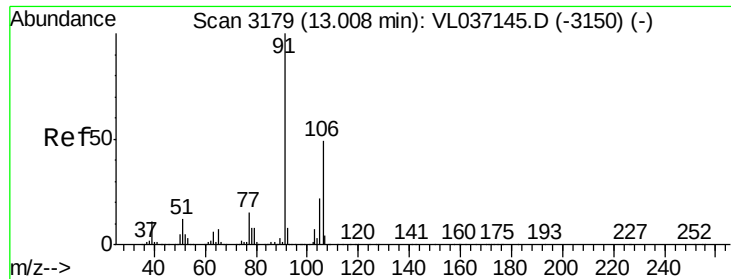
106 32.5 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





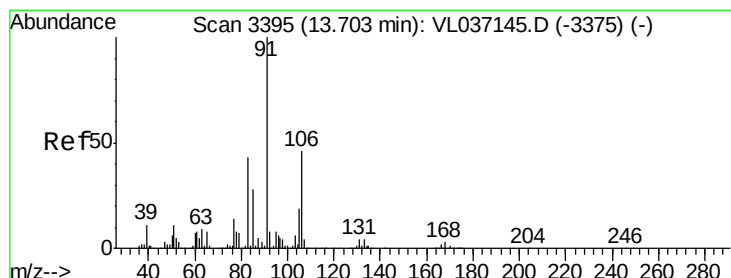
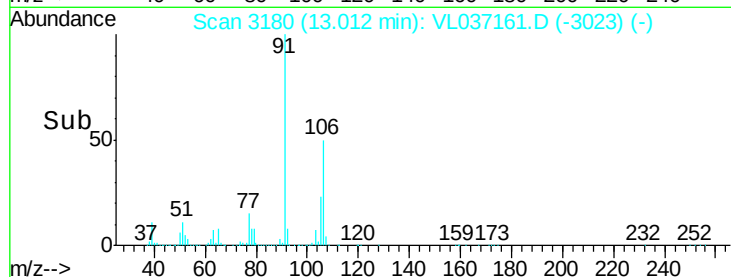
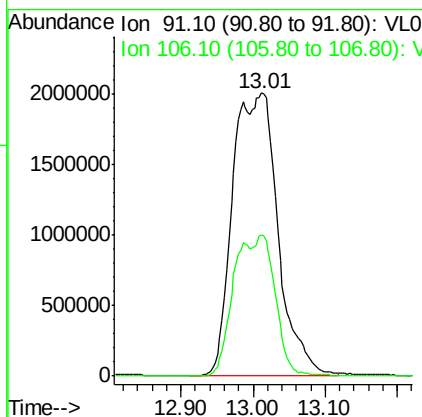
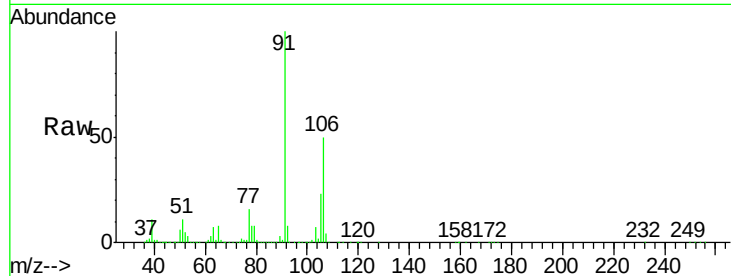
#59
m/p-Xylene
Concen: 16.769 ppbv m
RT: 13.01 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL0615ABS02

Tot Ion: 91 Resp: 8778571
Ion Ratio Lower Upper
91 100
106 45.6 36.9 55.3

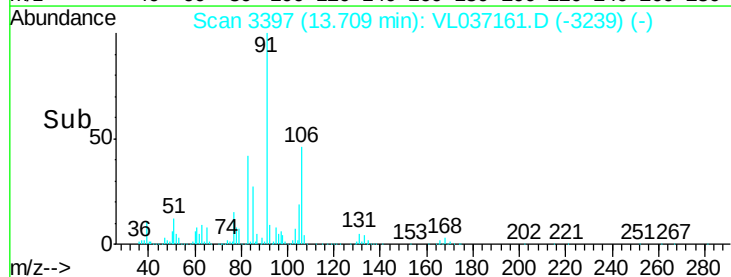
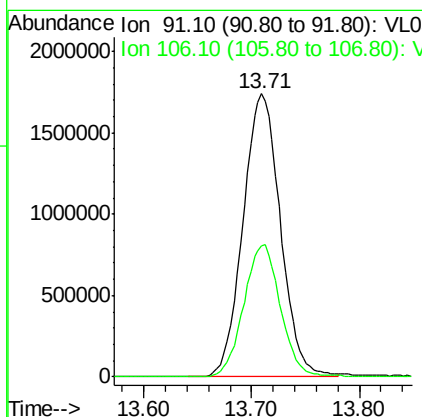
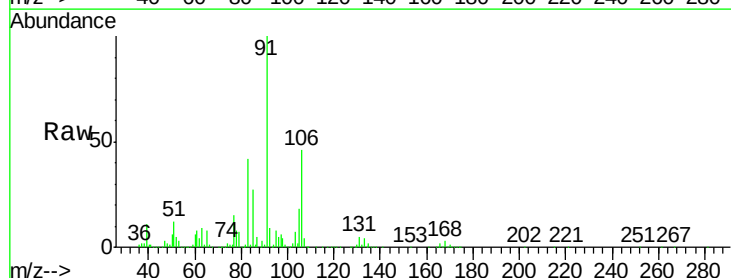
Manual Integrations
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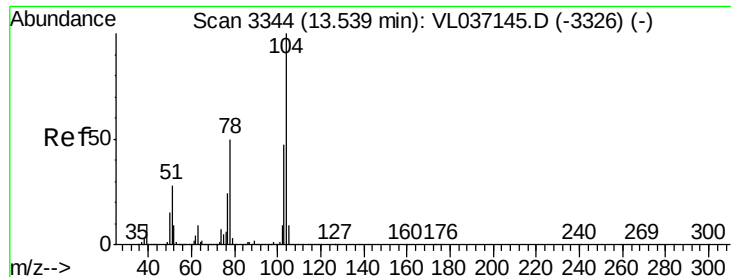
MMDadoda
6/16/2021 5:01:40 PM



#60
o-Xylene
Concen: 8.336 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.01 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Tgt Ion: 91 Resp: 4189888
Ion Ratio Lower Upper
91 100
106 46.3 23.1 69.3





#61

Stvrene

Concen: 8.598 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

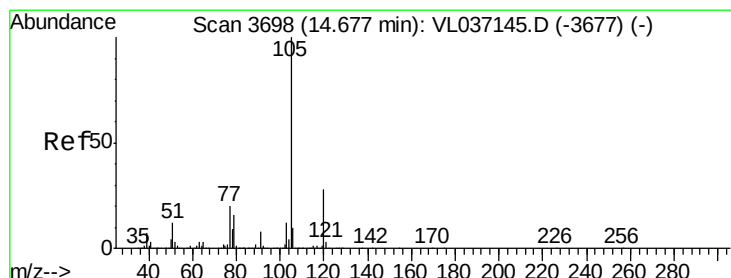
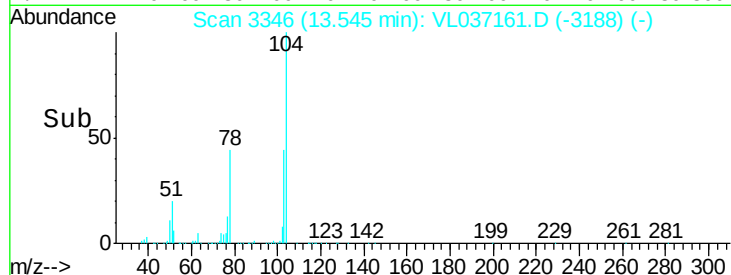
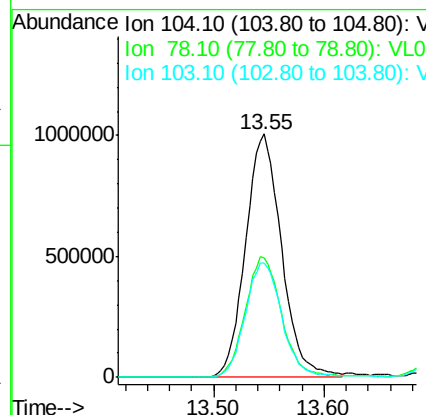
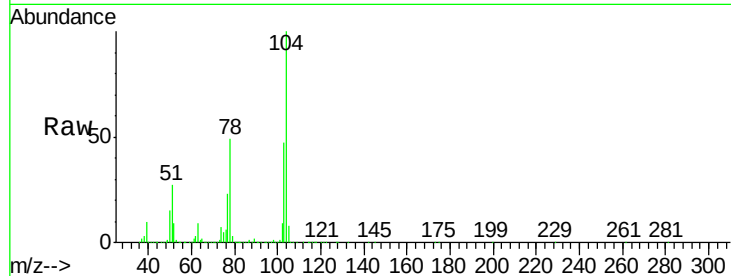
ClientSampled :

VL0615ABS02

Tot Ion:	104	Resp:	2278237
Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.9	61.3
103	48.5	38.6	58.0

Manual Integrations
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6/16/2021 5:01:40 PM



#62

Isopropylbenzene

Concen: 8.382 ppbv

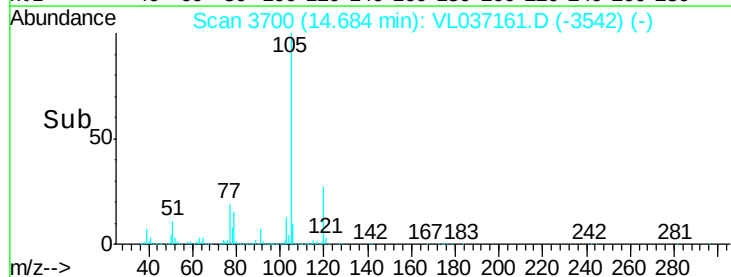
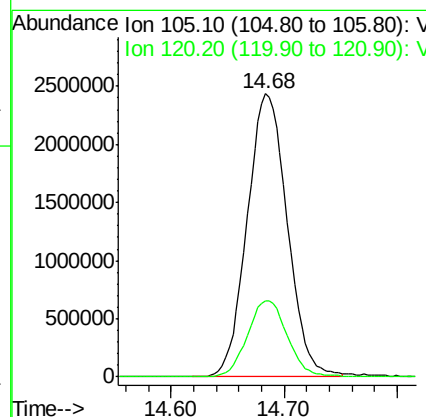
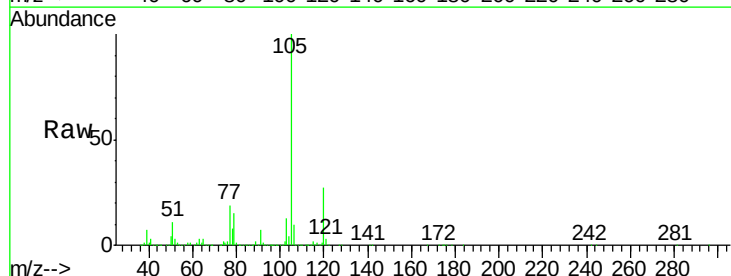
RT: 14.68 min Scan# 3700

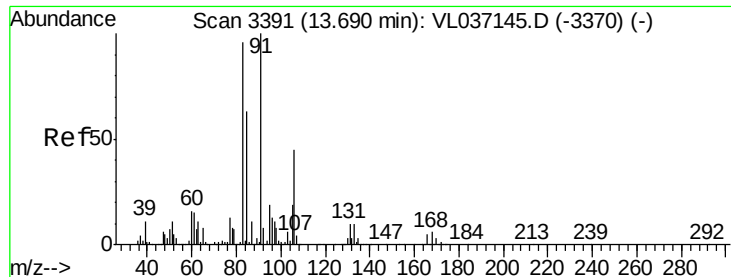
Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Tgt Ion:	105	Resp:	6004890
Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.8	32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 8.874 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL0615ABS02

Tot Ion: 83 Resp: 2900146

Ion Ratio Lower Upper

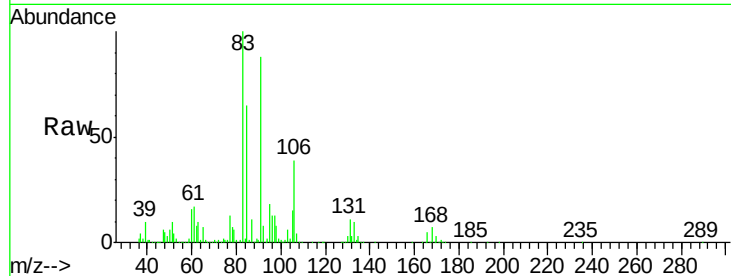
83 100

131 10.7 5.4 16.2

85 66.4 33.3 99.9

Manual Integrations
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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

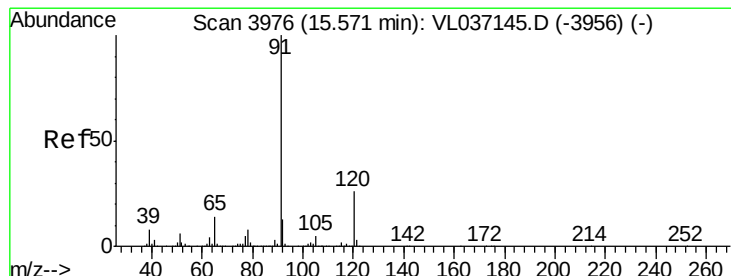
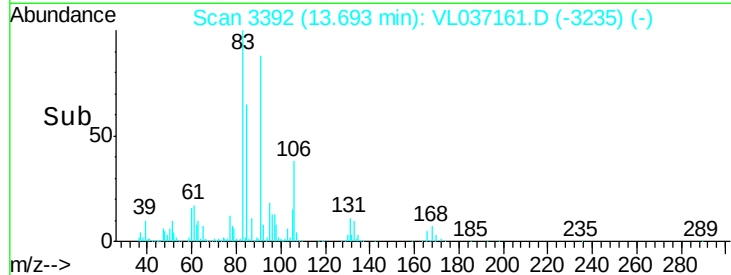
13.69

1000000

500000

0

Time-->



#64

n-propylbenzene

Concen: 8.894 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. 0.01 min

Lab File: VL037161.D

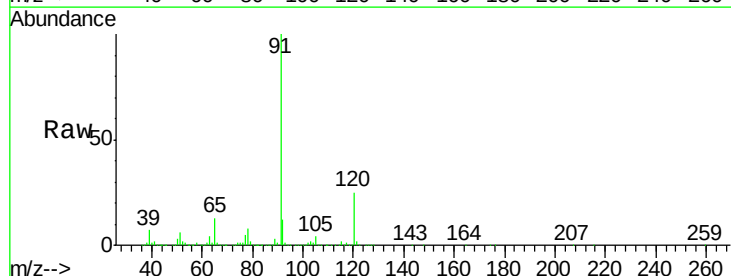
Acq: 15 Jun 2021 19:49

Tgt Ion:120 Resp: 1625051

Ion Ratio Lower Upper

120 100

91 434.2 342.2 513.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

3000000

2500000

2000000

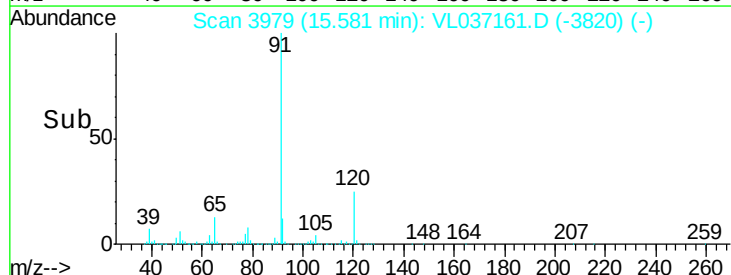
1500000

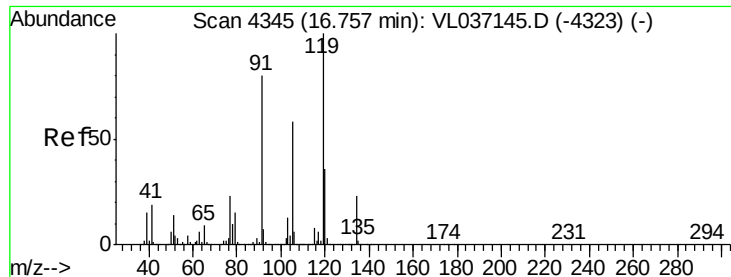
1000000

500000

0

Time-->





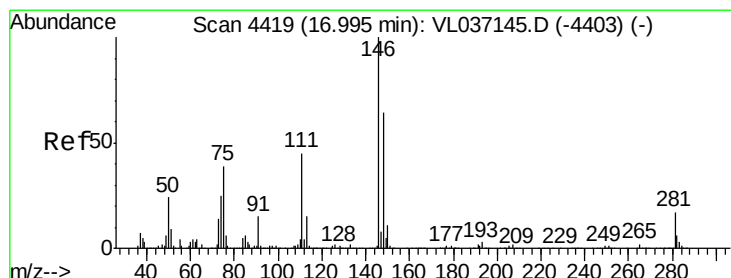
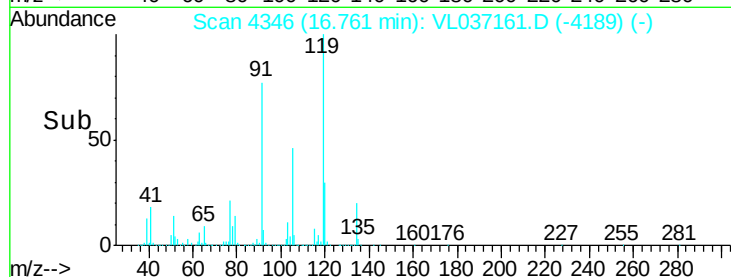
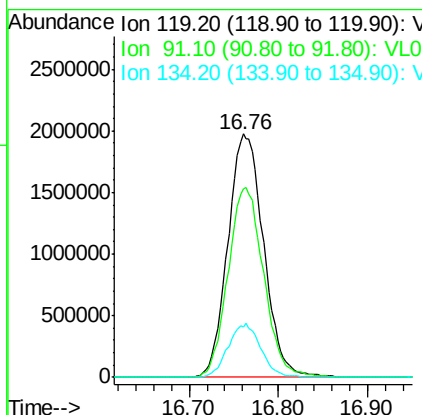
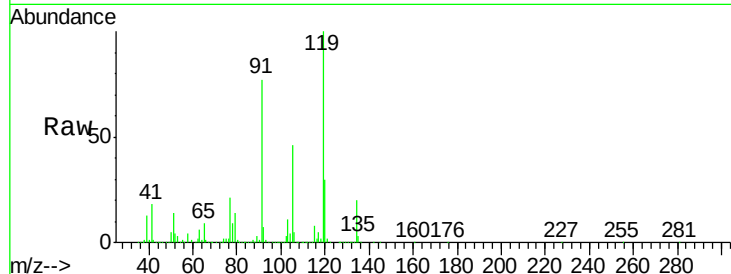
#65
tert-Butylbenzene
Concen: 8.436 ppbv
RT: 16.76 min Scan# 4346
Delta R.T. 0.00 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL0615ABS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.8	62.8	94.2
134	20.3	16.5	24.7

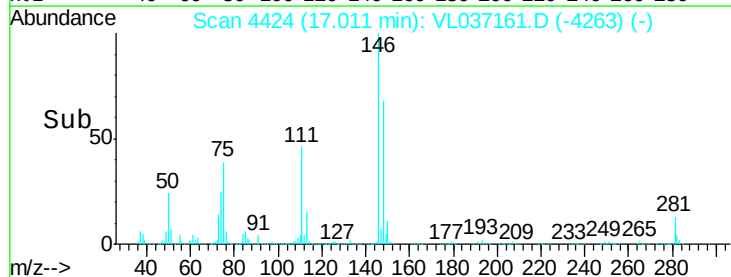
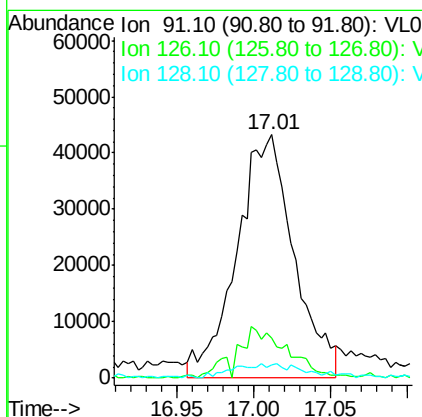
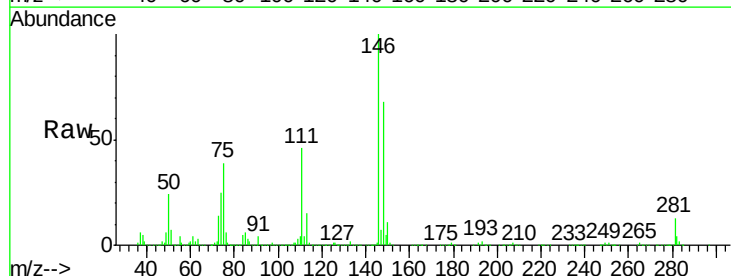
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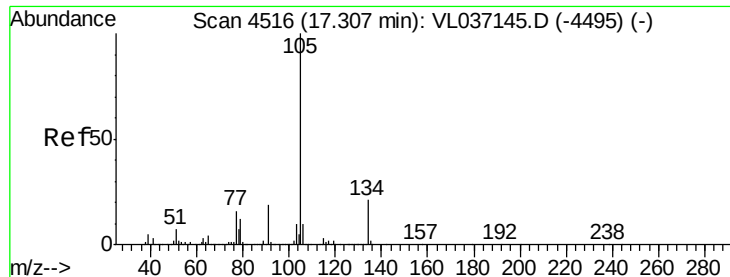
MMDadoda
6/16/2021 5:01:40 PM



#66
Benzyl Chloride
Concen: 3.934 ppbv m
RT: 17.01 min Scan# 4424
Delta R.T. 0.02 min
Lab File: VL037161.D
Acq: 15 Jun 2021 19:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.9	16.4	24.6
128	7.7	5.7	8.5





#67

sec-Butylbenzene

Concen: 8.492 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL0615ABS02

Tot Ion:105 Resp: 7325724

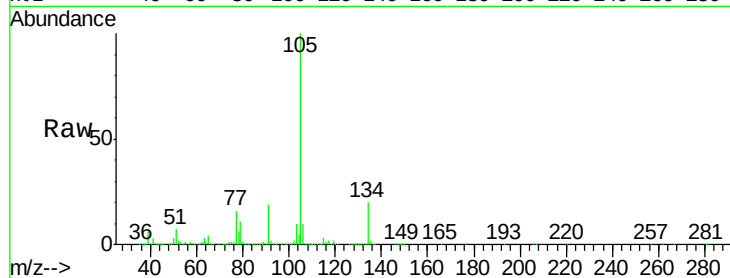
Ion Ratio Lower Upper

105 100

134 19.5 16.0 24.0

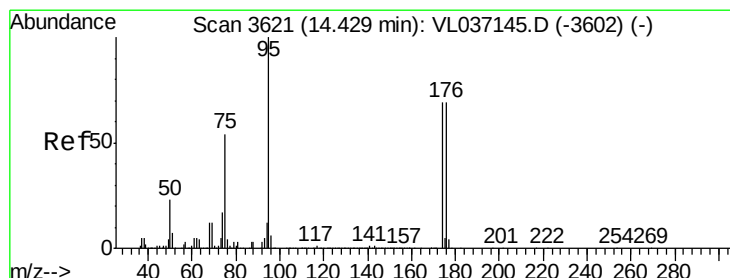
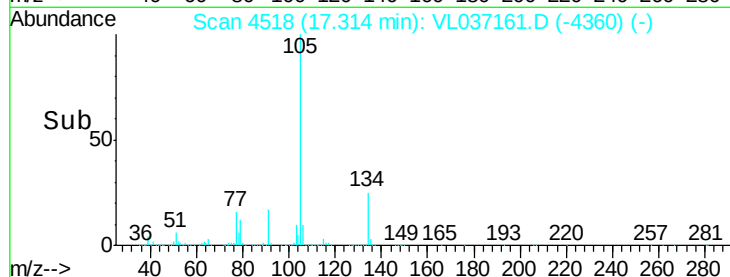
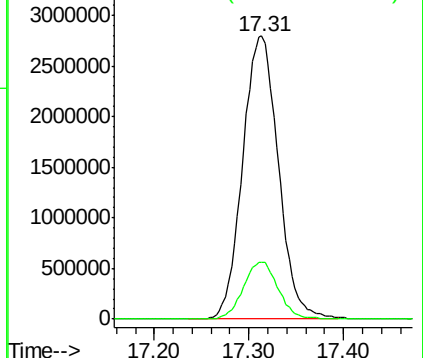
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.063 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

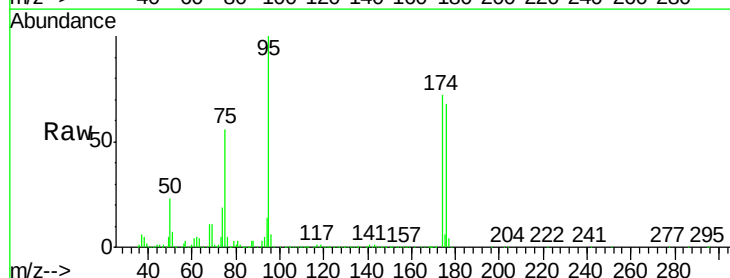
Tgt Ion: 95 Resp: 3370862

Ion Ratio Lower Upper

95 100

174 72.2 57.6 86.4

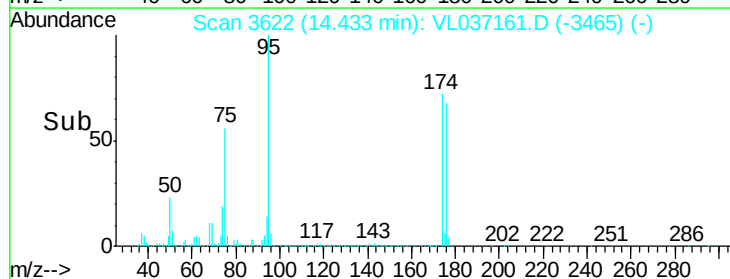
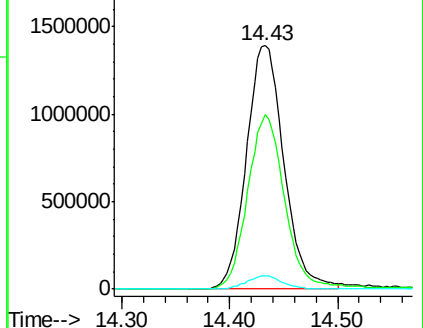
175 5.5 4.4 6.6

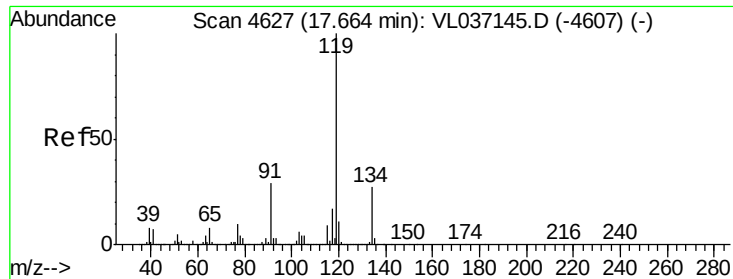


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





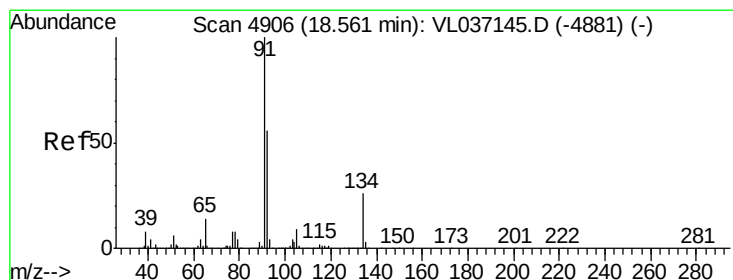
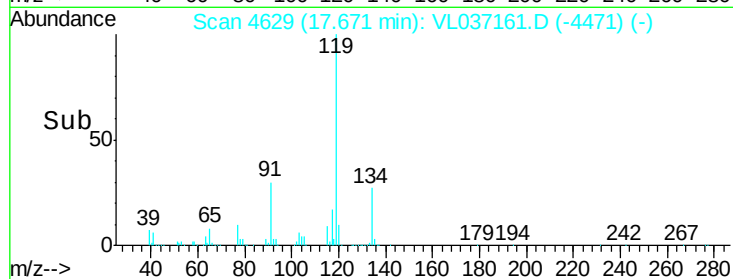
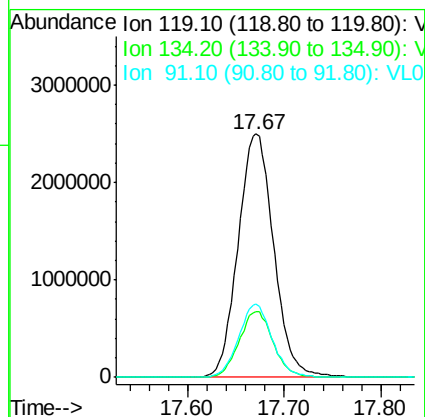
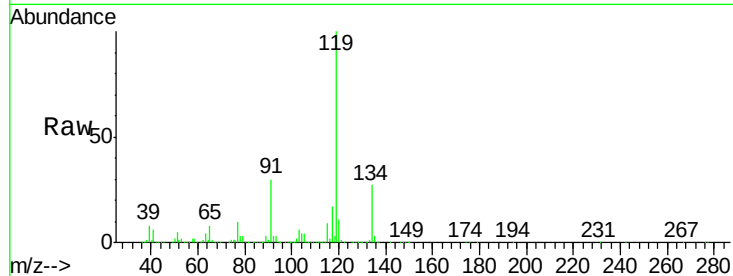
#69
 p-Isopropyltoluene
 Concen: 8.837 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.01 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

Tot Ion: 119 Resp: 6372788
 Ion Ratio Lower Upper
 119 100
 134 26.2 21.2 31.8
 91 28.4 22.9 34.3

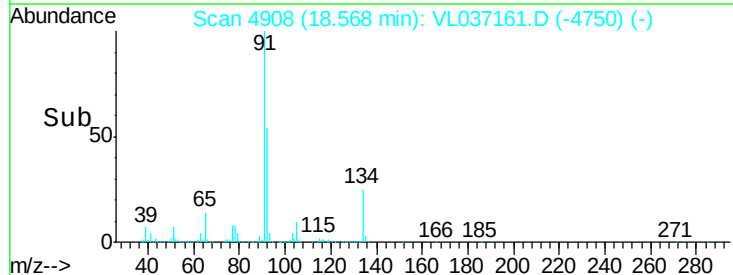
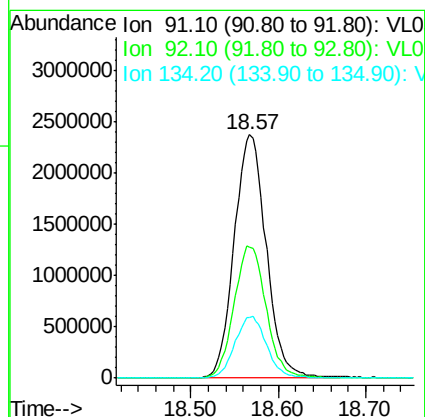
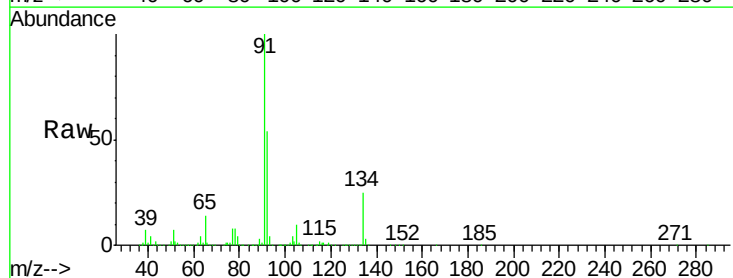
Manual Integrations
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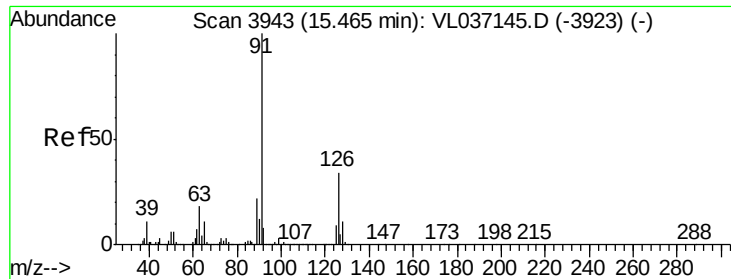
MMDadoda
 6/16/2021 5:01:40 PM



#70
 n-Butylbenzene
 Concen: 9.159 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.01 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Tgt Ion: 91 Resp: 6043276
 Ion Ratio Lower Upper
 91 100
 92 54.3 44.0 66.0
 134 25.1 20.4 30.6





#71

2-Chlorotoluene

Concen: 8.627 ppbv

RT: 15.47 min Scan# 3945

Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL0615ABS02

Tot Ion: 91 Resp: 4409029

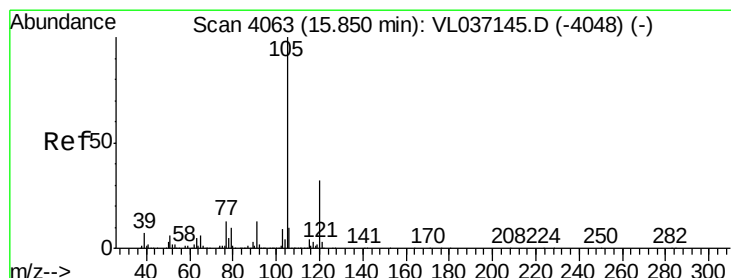
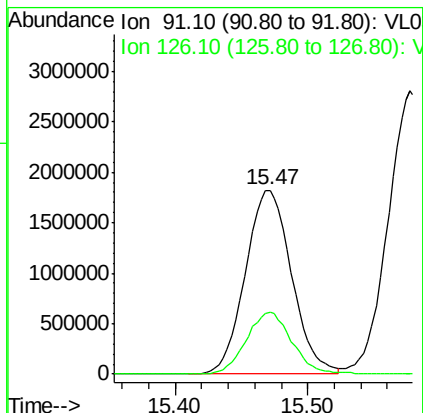
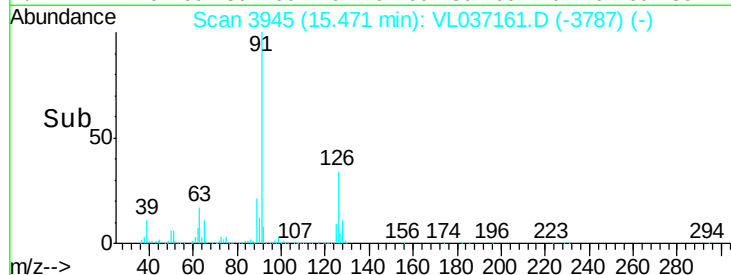
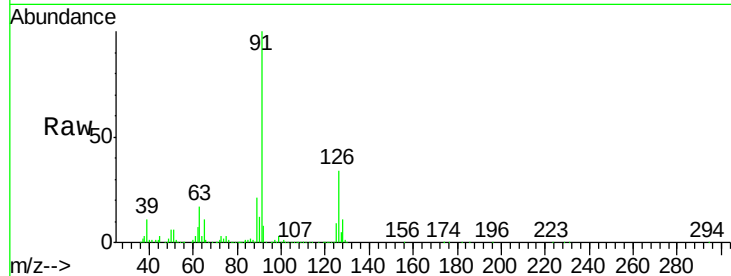
Ion Ratio Lower Upper

91 100

126 34.1 13.4 53.6

Manual Integrations
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#72

4-Ethyltoluene

Concen: 8.765 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Tgt Ion: 105 Resp: 5117686

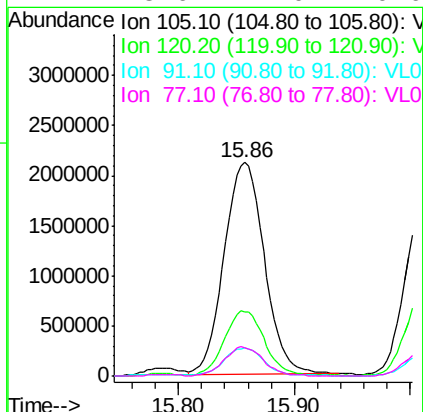
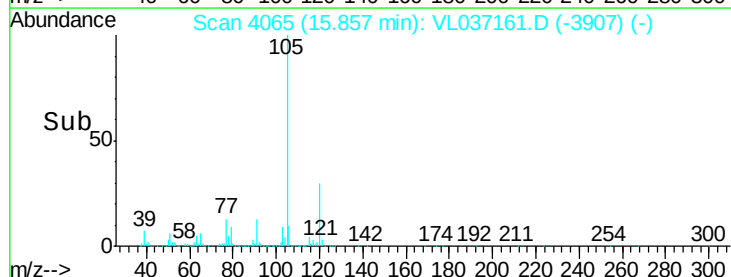
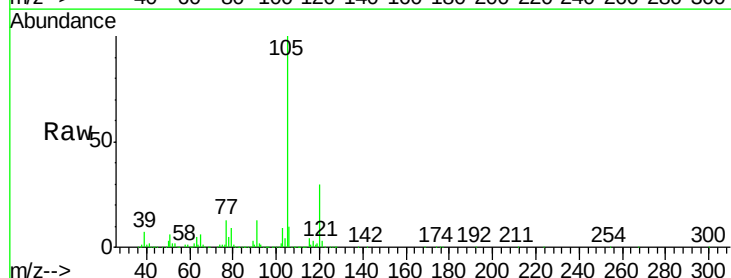
Ion Ratio Lower Upper

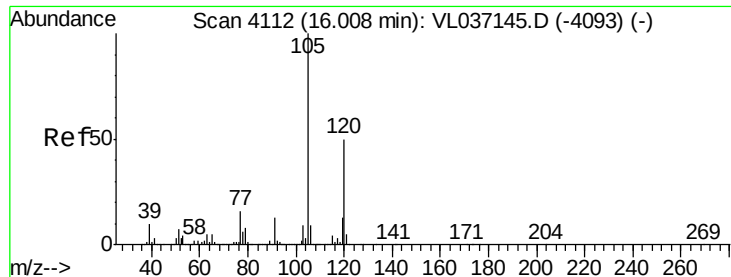
105 100

120 30.8 25.1 37.7

91 13.1 10.3 15.5

77 13.6 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 8.315 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL0615ABS02

Tot Ion:105 Resp: 4604742

Ion Ratio Lower Upper

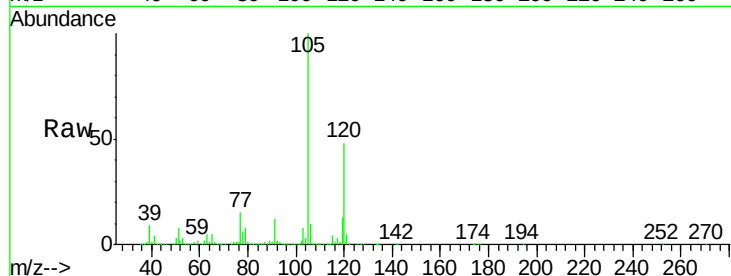
105 100

120 48.0 39.7 59.5

Manual Integrations
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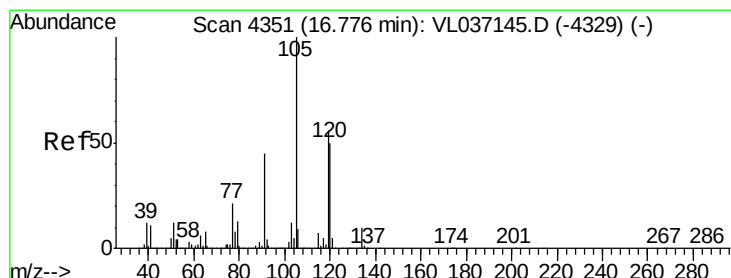
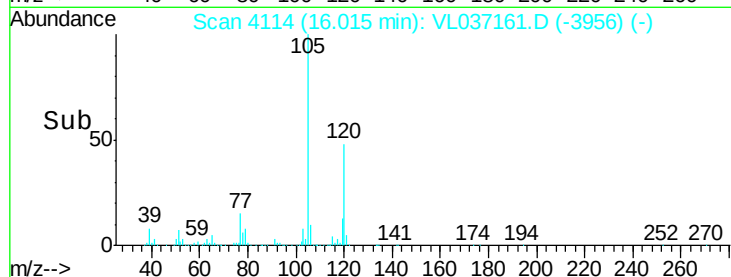
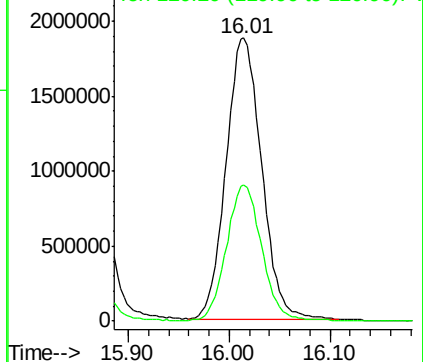
MMDadoda

6/16/2021 5:01:40 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.623 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Tgt Ion:105 Resp: 4858950

Ion Ratio Lower Upper

105 100

120 49.3 39.7 59.5

91 50.3 35.8 53.8

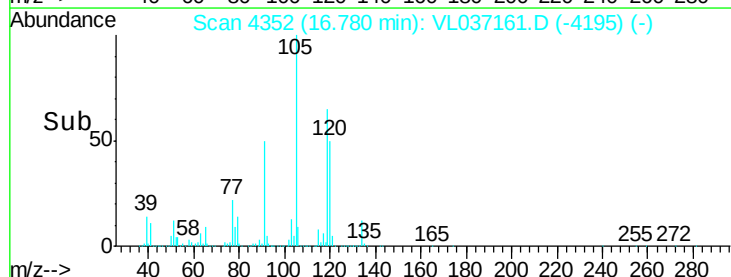
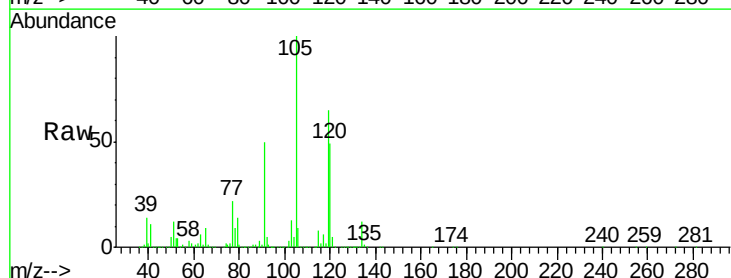
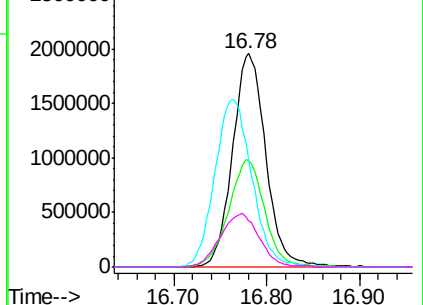
77 21.7 16.7 25.1

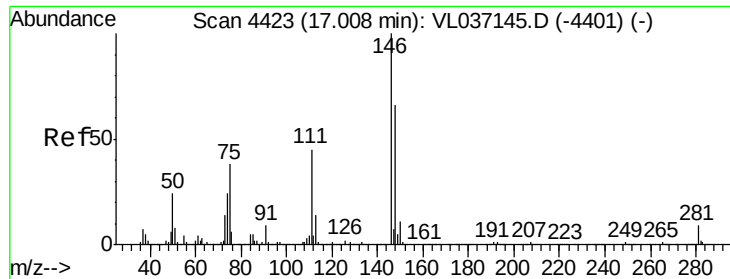
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





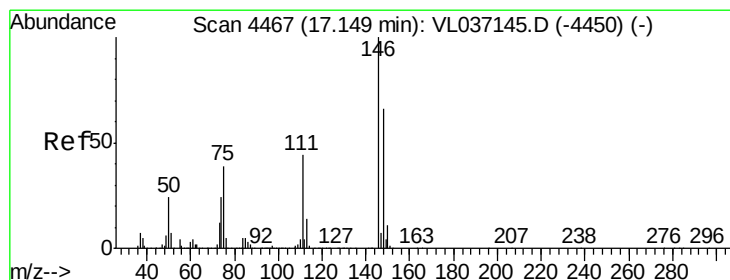
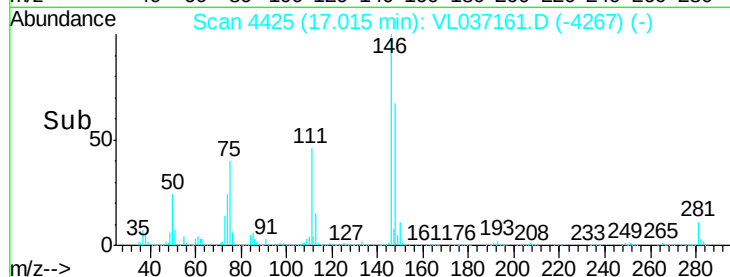
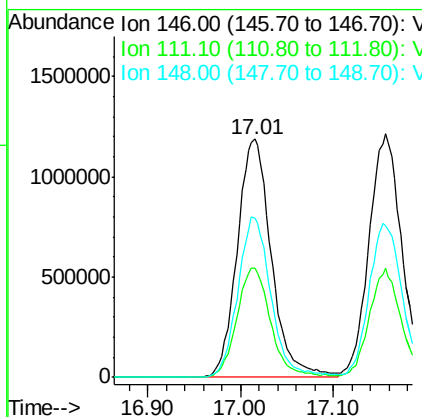
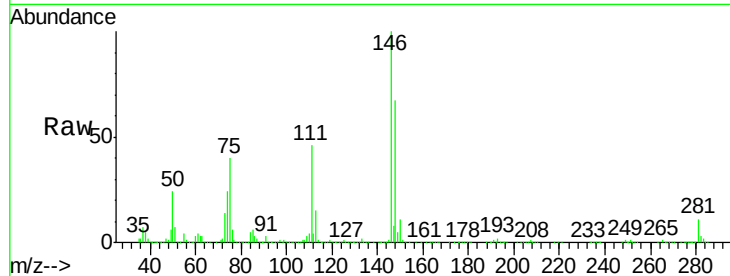
#75
 1,3-Dichlorobenzene
 Concen: 8.741 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. 0.01 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.4	67.2
148	65.3	32.3	96.9

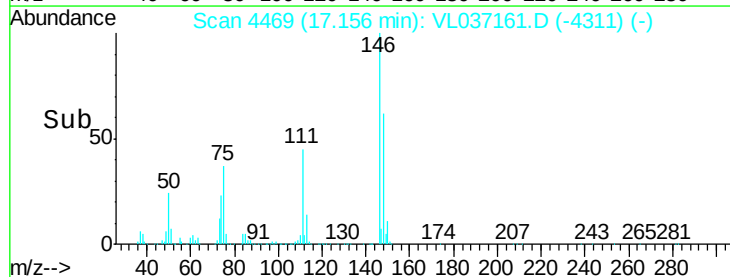
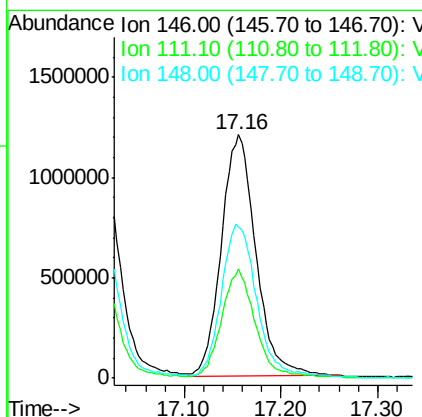
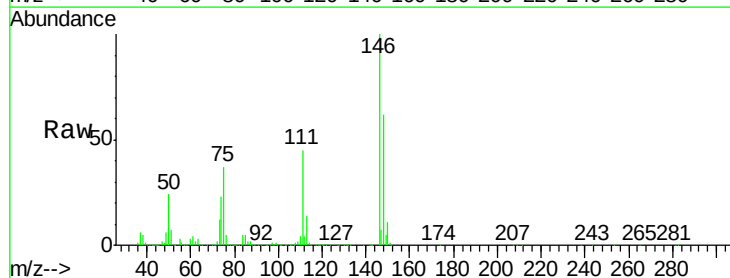
Manual Integrations
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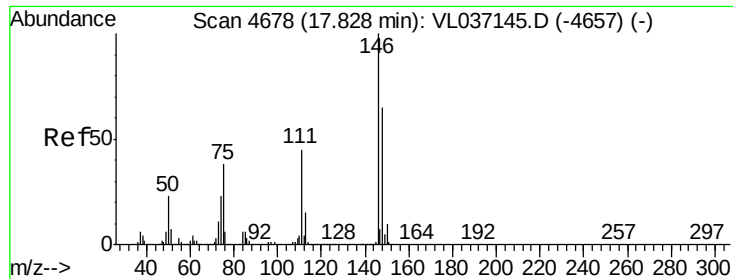
MMDadoda
 6/16/2021 5:01:40 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.707 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.01 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.5
148	65.6	32.4	97.0





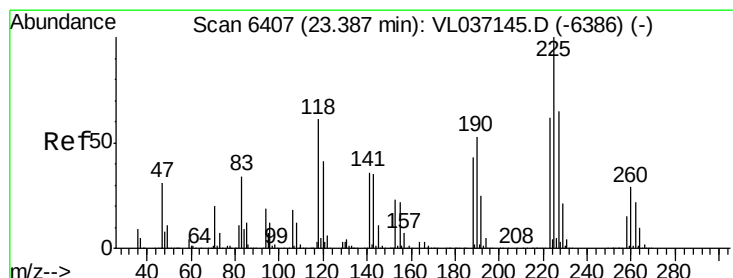
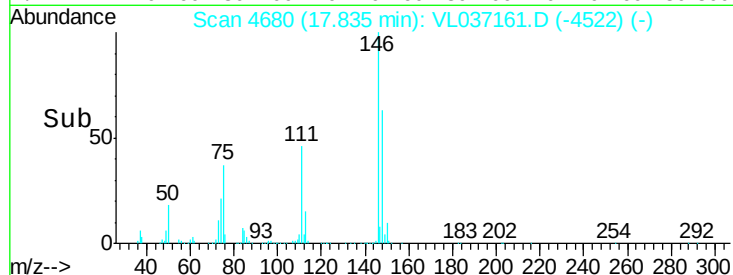
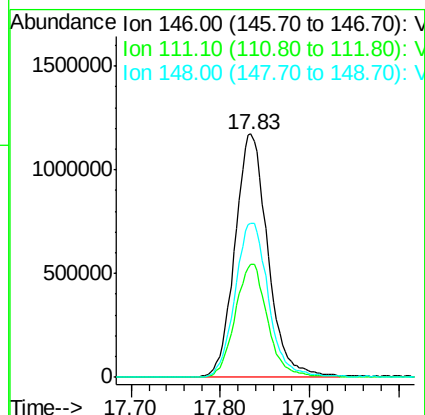
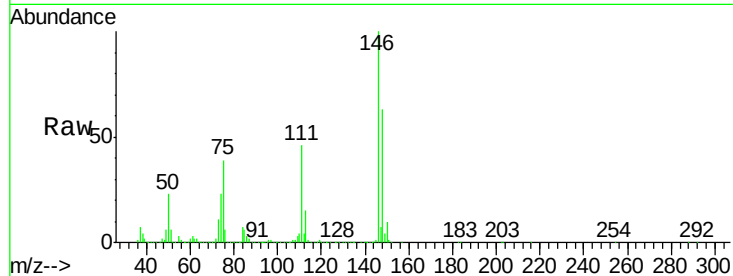
#77
 1,2-Dichlorobenzene
 Concen: 8.736 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. 0.01 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.1	69.3
148	64.6	32.5	97.5

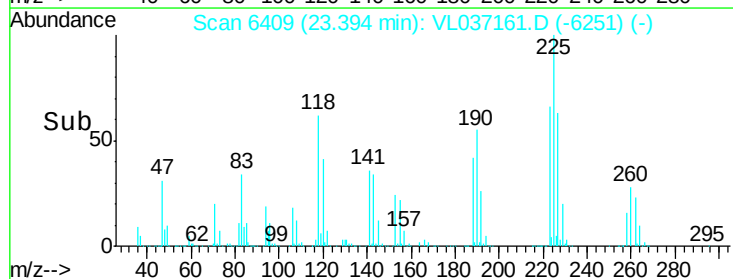
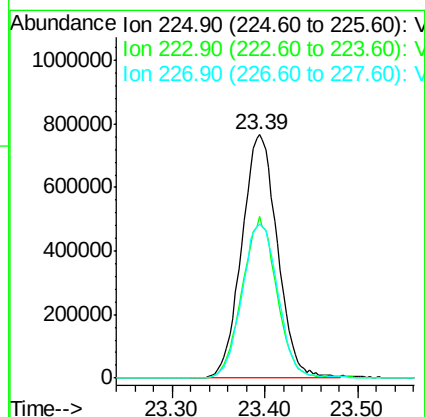
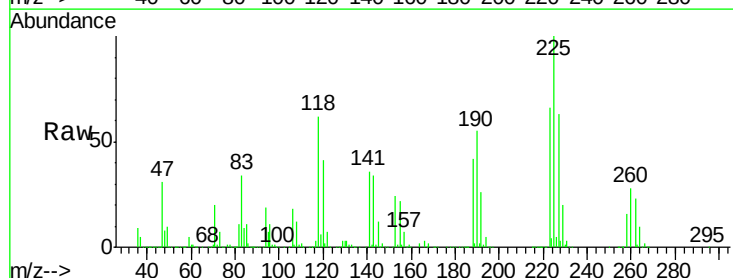
Manual Integrations
 APPROVED

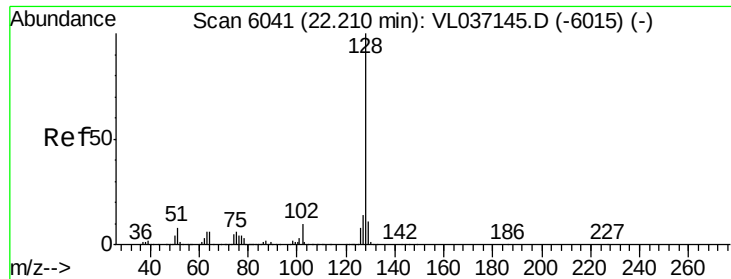
MMDadoda
 6/16/2021 5:01:40 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.426 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.01 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	52.2	78.2
227	64.5	51.5	77.3





#79

Naphthalene

Concen: 11.360 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Instrument :

MSVOA_L

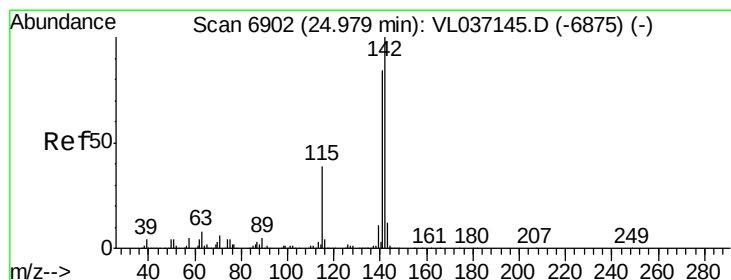
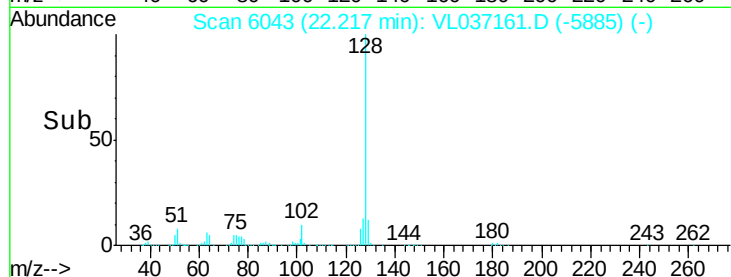
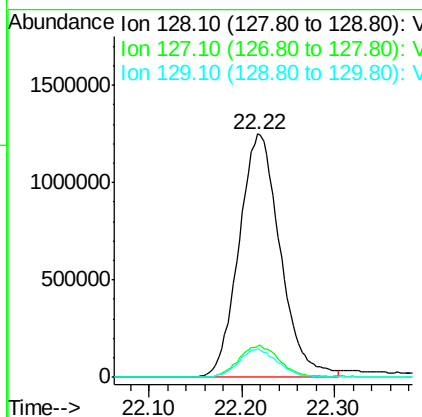
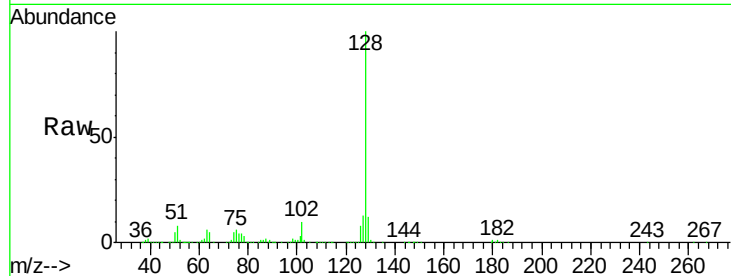
ClientSampleId :

VL0615ABS02

Tot Ion:	128	Resp:	3852957
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.9	16.3
129	11.6	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
6/16/2021 5:01:40 PM



#80

Naphthalene, 2-methyl-

Concen: 9.986 ppbv

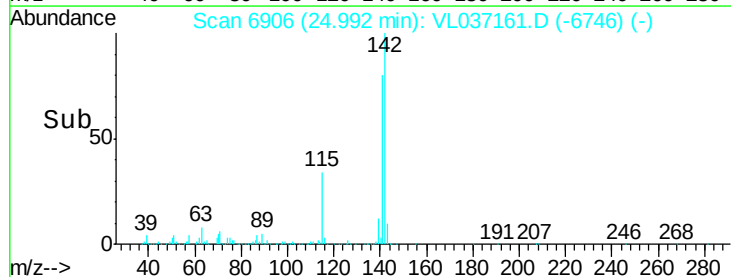
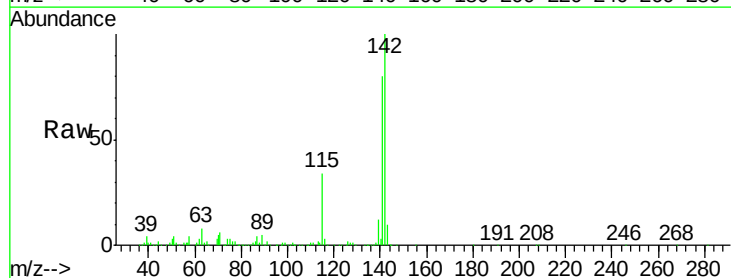
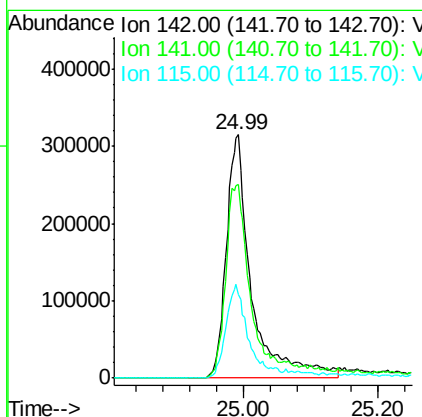
RT: 24.99 min Scan# 6906

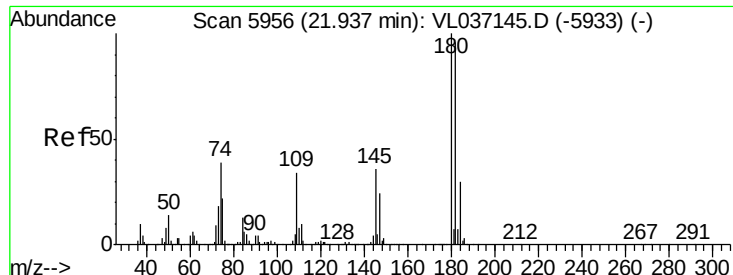
Delta R.T. 0.01 min

Lab File: VL037161.D

Acq: 15 Jun 2021 19:49

Tgt Ion:	142	Resp:	819412
Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.7	100.1
115	37.5	32.2	48.2





#81
 1,2,4-Trichlorobenzene
 Concen: 10.429 ppbv
 RT: 21.95 min Scan# 5959
 Delta R.T. 0.01 min
 Lab File: VL037161.D
 Acq: 15 Jun 2021 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	79.8	119.6
184	31.5	25.1	37.7

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 5:01:40 PM

