

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061521\
 Data File : VL037154.D
 Acq On : 15 Jun 2021 9:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 5:01:26 PM

Quant Time: Jun 16 01:52:43 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 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	1502841	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4572160	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4260153m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3261358	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2049984	8.565	ppbv	100
3) Chlorodifluoromethane	3.00	51	2811645	9.973	ppbv	100
4) Chloromethane	3.15	50	970298	10.101	ppbv	96
5) Vinyl Chloride	3.27	62	1054386	11.346	ppbv	99
6) Bromomethane	3.48	94	612603	10.363	ppbv	98
7) Chloroethane	3.57	64	387261	10.680	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	2581793	10.096	ppbv	99
9) Propene	3.02	41	886503	9.533	ppbv	97
10) Heptane	8.14	43	2345566	10.581	ppbv	100
11) Trichlorofluoromethane	3.96	101	2752750	10.137	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1951138	10.473	ppbv	99
13) Ethanol	3.63	45	118902m	9.254	ppbv	
14) Bromoethene	3.75	108	857193	10.634	ppbv	99
15) Acetone	3.86	43	1432315	7.965	ppbv	98
16) 1,3-Butadiene	3.34	39	1033108	10.640	ppbv	99
17) tert-Butyl alcohol	4.30	59	1722963	11.071	ppbv	100
18) 1,1-Dichloroethene	4.30	96	848610	10.097	ppbv	98
19) Isopropyl Alcohol	3.98	45	980839	9.939	ppbv #	98
20) Methylene Chloride	4.35	84	683920	8.726	ppbv	97
21) Allyl Chloride	4.42	41	1263517	10.517	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	877910	10.721	ppbv	93
23) Vinyl Acetate	5.09	43	2632788	11.149	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1915799	10.109	ppbv	99
25) Ethyl Acetate	5.69	43	3645564	10.346	ppbv	99
26) Hexane	5.70	57	1740590	9.932	ppbv	99
27) Carbon Disulfide	4.56	76	2040855	11.487	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	2249287	10.248	ppbv	100
29) Chloroform	5.77	83	2906470	10.274	ppbv	100
30) Cyclohexane	7.14	84	1567450	10.259	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1794956	10.628	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	3018604	11.620	ppbv	100
34) 2-Butanone	5.26	43	1782900	10.383	ppbv	99
35) Carbon Tetrachloride	7.03	117	3244107	11.543	ppbv	98
36) Benzene	6.91	78	3692330	10.177	ppbv	98
37) 1,2-Dichloroethane	6.32	62	2179947	10.348	ppbv	99
38) Trichloroethene	7.85	130	1618020	10.320	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1415291	10.218	ppbv	98
40) 1,4-Dioxane	7.85	88	385370	9.936	ppbv	91
41) Tetrahydrofuran	6.07	42	867729	10.384	ppbv	99
42) Bromodichloromethane	7.81	83	3204610	11.041	ppbv	99
43) Methyl Methacrylate	8.03	69	1357535	10.907	ppbv	98

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 Misc : 400mL/MSVOA L
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Instrument :
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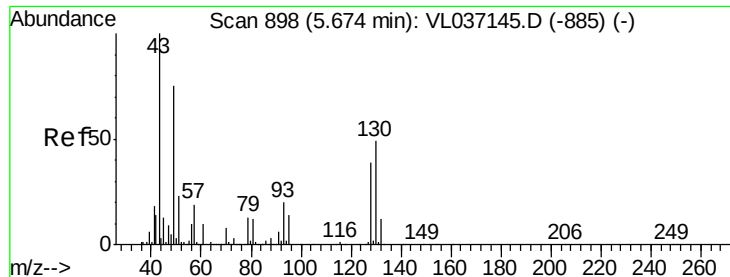
Manual Integrations
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 6/16/2021 5:01:26 PM

Quant Time: Jun 16 01:52:43 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)
44) 2,2,4-Trimethylpentane	7.89	57	6036173	9.940	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1368350	12.199	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1709576	11.423	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1579108	10.051	ppbv	99
48) Dibromochloromethane	10.32	129	2896847	11.429	ppbv	100
49) Bromoform	13.06	173	2414188	12.193	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2683299	10.623	ppbv	99
51) 2-Hexanone	10.16	43	1433969m	11.373	ppbv	
52) Tetrachloroethene	11.24	164	1571119	10.471	ppbv	95
53) Toluene	9.82	91	4477427	10.382	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2375660	10.327	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1966307	10.583	ppbv	97
57) Chlorobenzene	12.17	112	3422305	10.025	ppbv	99
58) Ethyl Benzene	12.73	91	5992053	10.384	ppbv	99
59) m/p-Xylene	13.01	91	10046953m	20.488	ppbv	
60) o-Xylene	13.71	91	4804592	10.204	ppbv	99
61) Styrene	13.54	104	2837365	11.431	ppbv	99
62) Isopropylbenzene	14.68	105	6723288	10.018	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	3268894	10.678	ppbv	100
64) n-propylbenzene	15.58	120	1803061	10.534	ppbv	98
65) tert-Butylbenzene	16.76	119	6128604	10.076	ppbv	100
66) Benzyl Chloride	17.01	91	314436	11.844	ppbv	98
67) sec-Butylbenzene	17.31	105	8129066	10.059	ppbv	100
69) p-Isopropyltoluene	17.67	119	7057447	10.447	ppbv	100
70) n-Butylbenzene	18.57	91	6611801	10.697	ppbv	100
71) 2-Chlorotoluene	15.47	91	4947624	10.335	ppbv	99
72) 4-Ethyltoluene	15.86	105	5929116	10.840	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	5355563	10.324	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	5521900	10.461	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	3352761	10.316	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	3341436	10.351	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3287413	10.258	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2091559	9.207	ppbv	99
79) Naphthalene	22.22	128	4005908	12.608	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1179846	15.349	ppbv	97
81) 1,2,4-Trichlorobenzene	21.95	180	2351760m	11.637	ppbv	

(#) = 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

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1502841

Ion Ratio Lower Upper

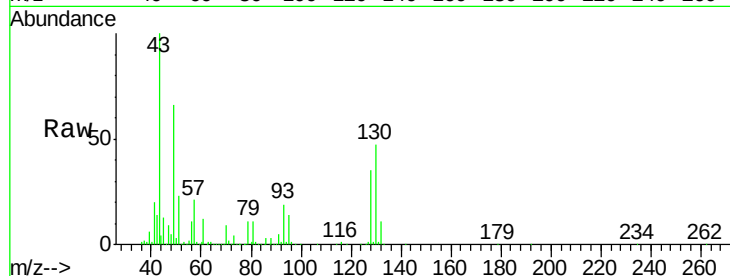
49 100

128 59.1 28.8 86.5

130 73.5 36.0 108.0

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

800000

600000

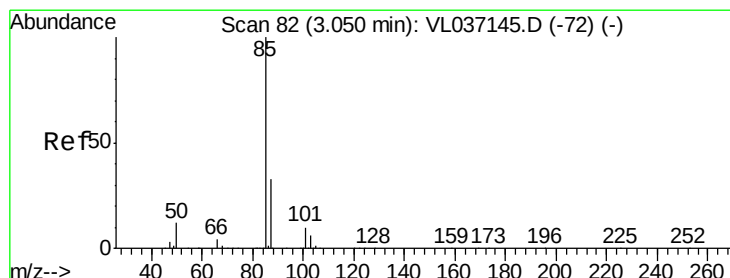
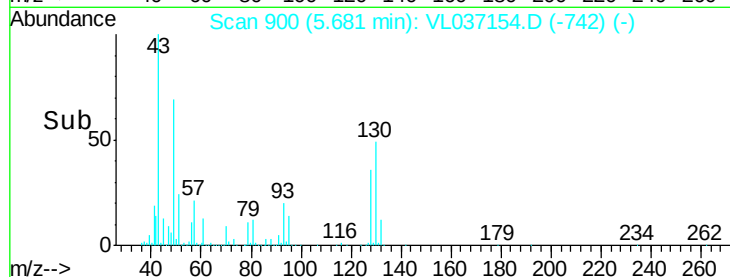
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 8.565 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL037154.D

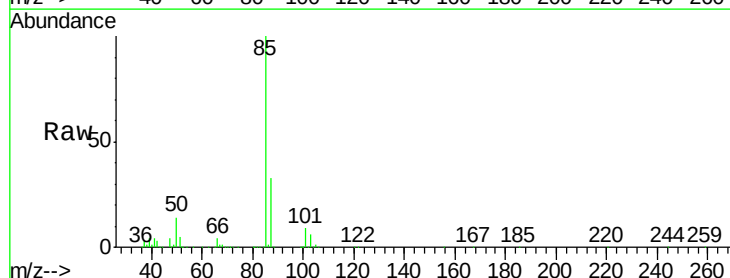
Acq: 15 Jun 2021 9:26

Tgt Ion: 85 Resp: 2049984

Ion Ratio Lower Upper

85 100

87 32.7 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1500000

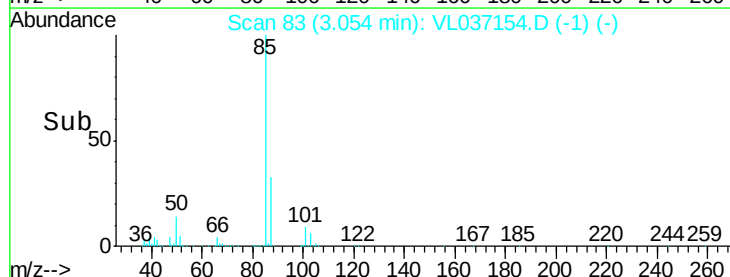
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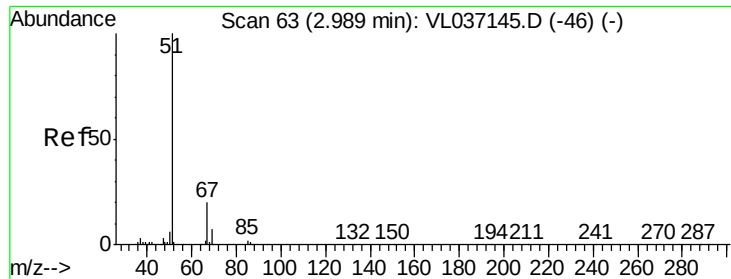
500000

0

3.00 3.05 3.10 3.15

Time-->





#3

Chlorodifluoromethane

Concen: 9.973 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tot Ion: 51 Resp: 2811645

Ion Ratio Lower Upper

51 100

67 19.9 15.9 23.9

Instrument :

MSVOA_L

ClientSampleId :

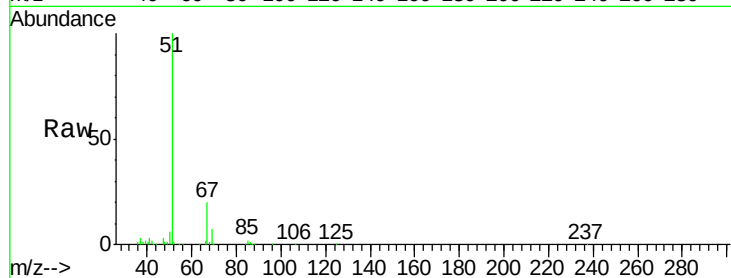
VSTDCCC010

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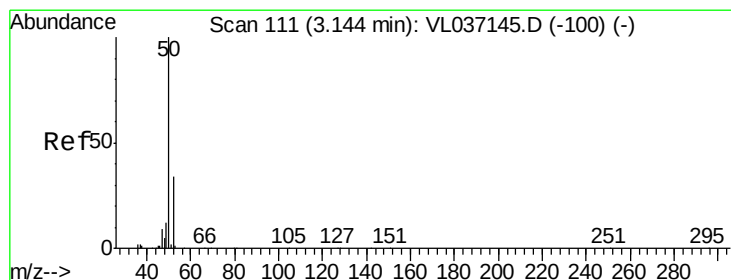
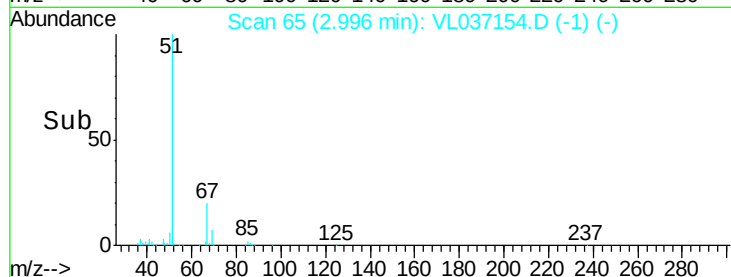
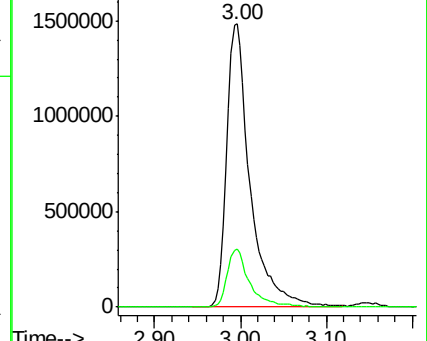
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.101 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL037154.D

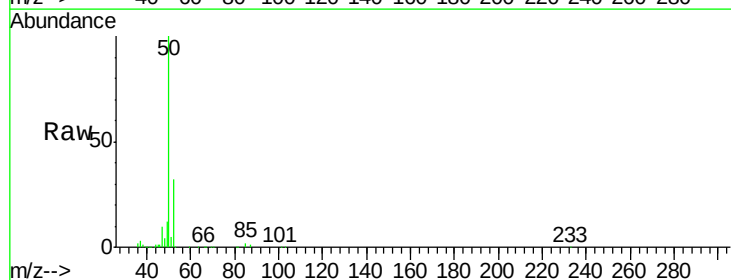
Acq: 15 Jun 2021 9:26

Tgt Ion: 50 Resp: 970298

Ion Ratio Lower Upper

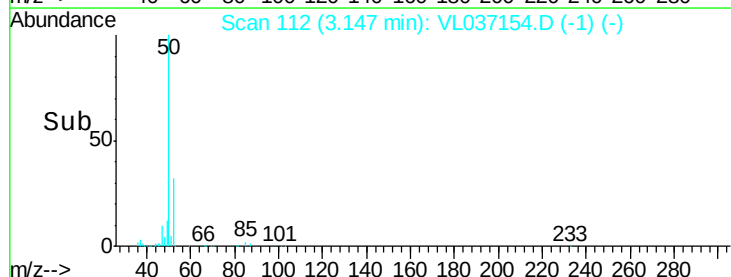
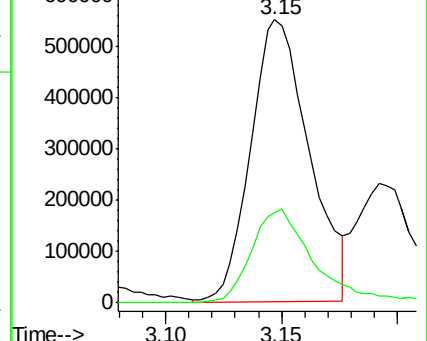
50 100

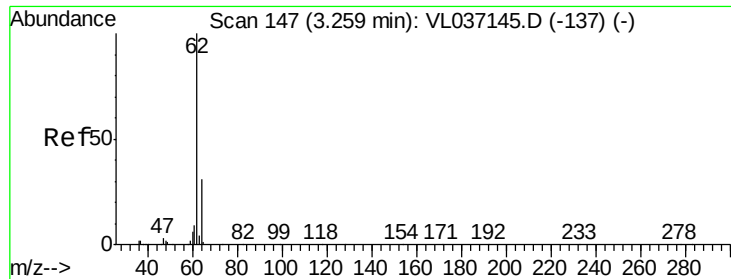
52 32.3 27.4 41.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.346 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1054386

Ion Ratio Lower Upper

62 100

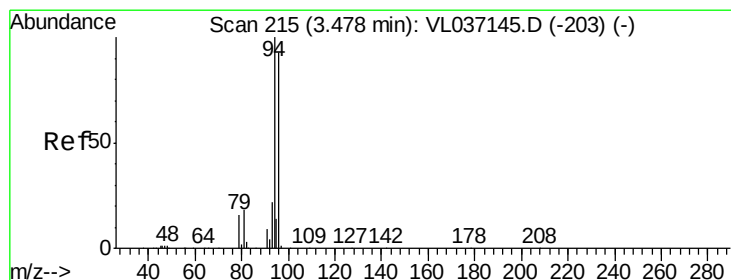
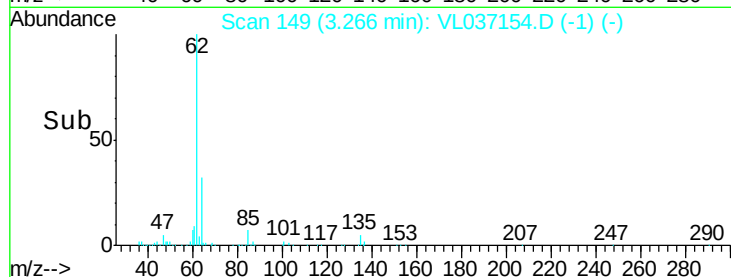
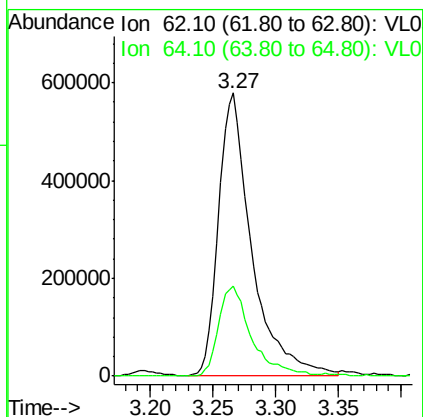
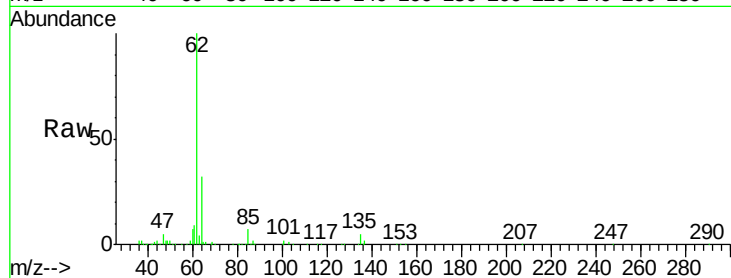
64 32.1 25.2 37.8

Manual Integrations

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#6

Bromomethane

Concen: 10.363 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL037154.D

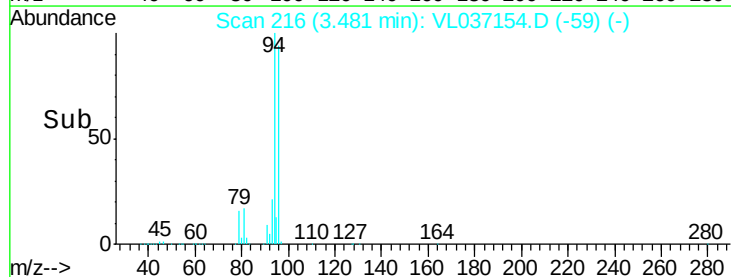
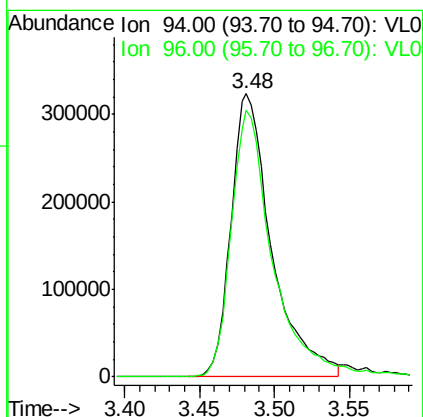
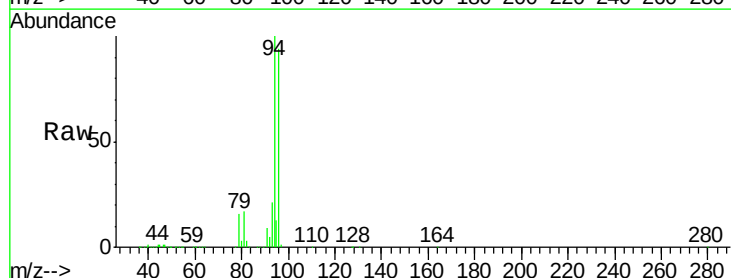
Acq: 15 Jun 2021 9:26

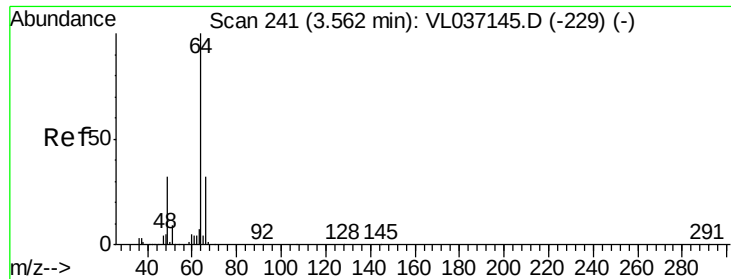
Tgt Ion: 94 Resp: 612603

Ion Ratio Lower Upper

94 100

96 94.3 74.2 111.2





#7

Chloroethane

Concen: 10.680 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 387261

Ion Ratio Lower Upper

64 100

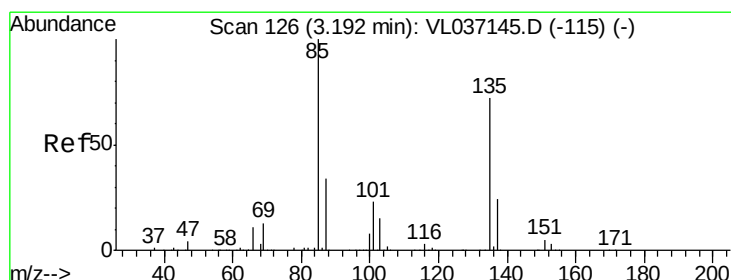
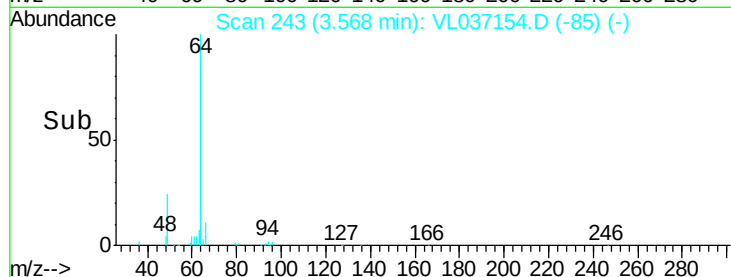
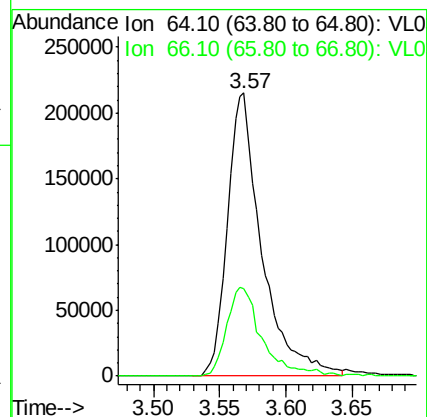
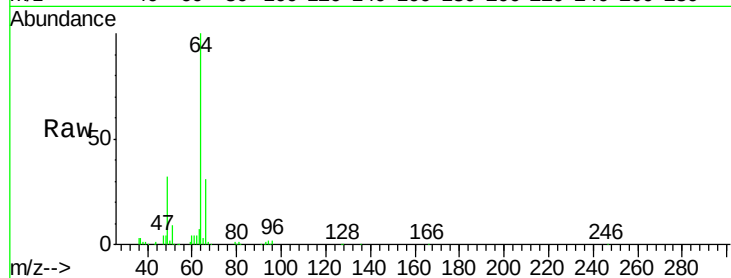
66 31.1 25.3 37.9

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.096 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL037154.D

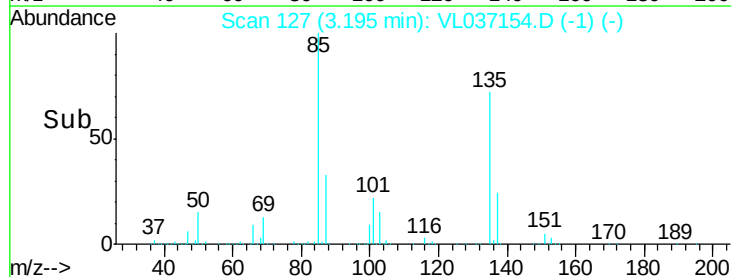
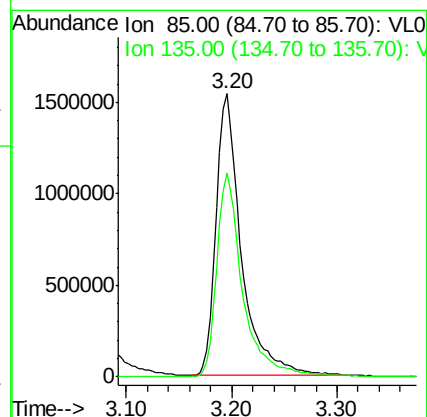
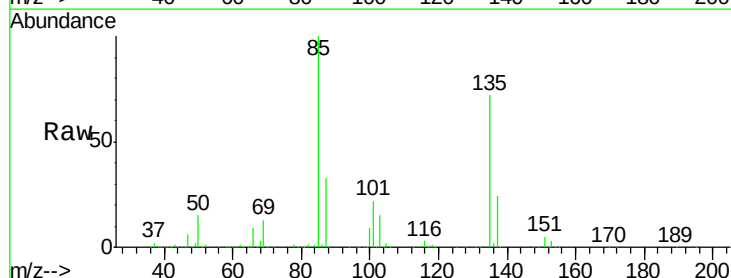
Acq: 15 Jun 2021 9:26

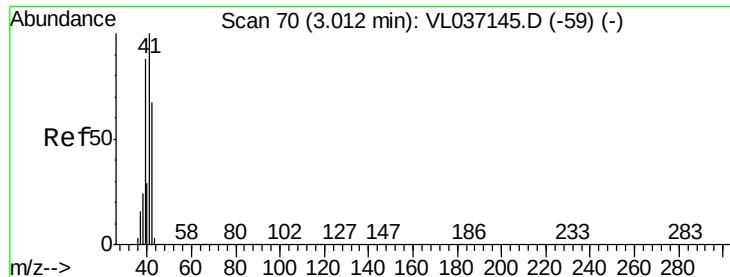
Tgt Ion: 85 Resp: 2581793

Ion Ratio Lower Upper

85 100

135 74.7 60.3 90.5





#9

Propene

Concen: 9.533 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 886503

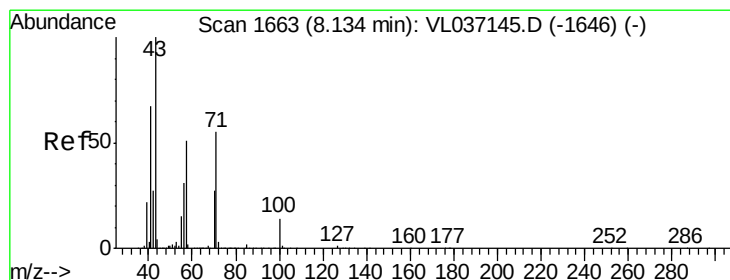
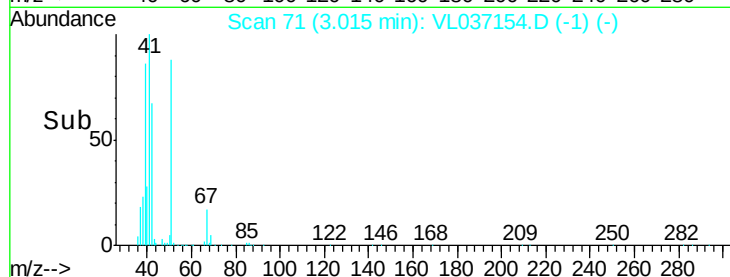
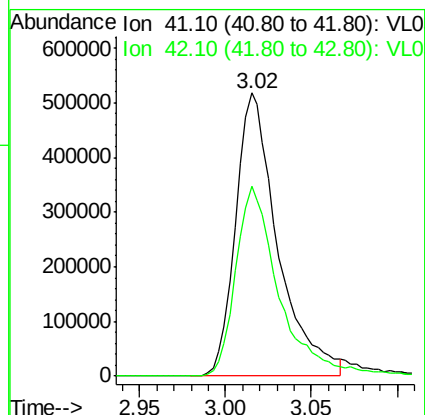
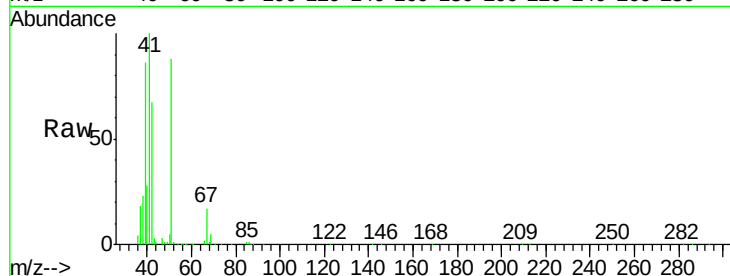
Ion Ratio Lower Upper

41 100

42 70.1 53.8 80.8

Manual Integrations
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#10

Heptane

Concen: 10.581 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL037154.D

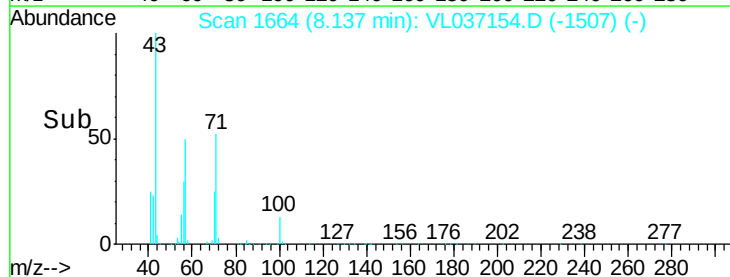
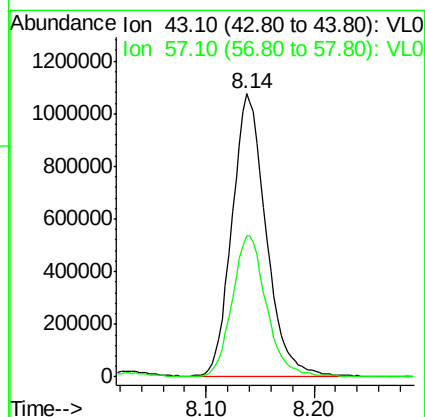
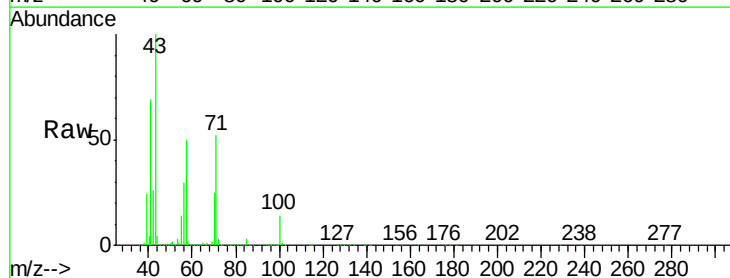
Acq: 15 Jun 2021 9:26

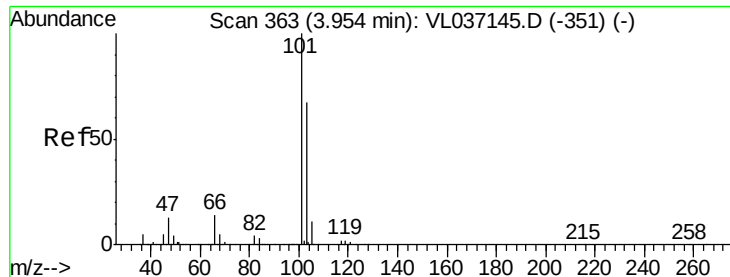
Tgt Ion: 43 Resp: 2345566

Ion Ratio Lower Upper

43 100

57 50.8 40.5 60.7





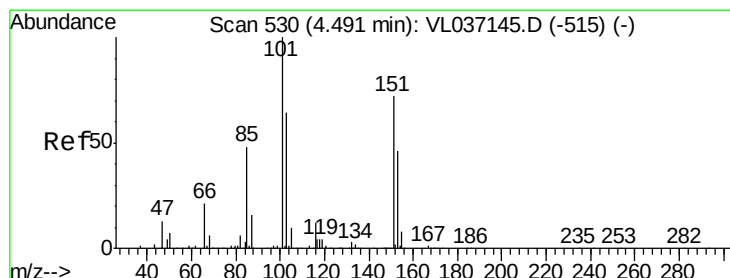
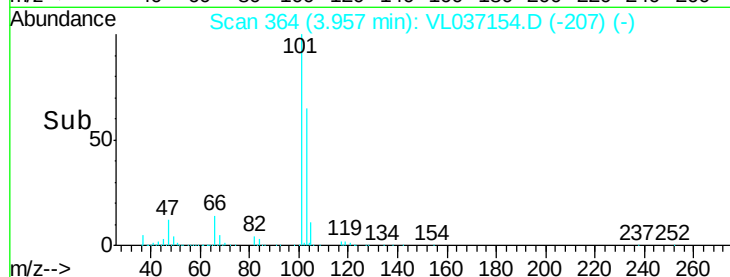
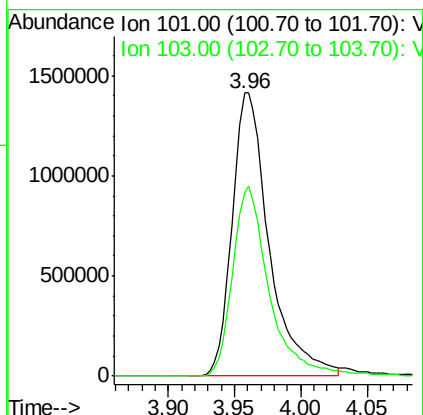
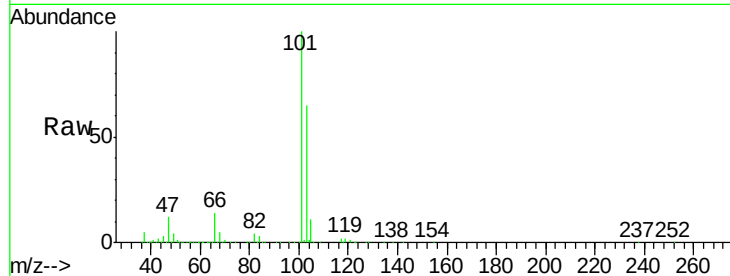
#11
 Trichlorofluoromethane
 Concen: 10.137 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2752750
 Ion Ratio Lower Upper
 101 100
 103 65.1 53.6 80.4

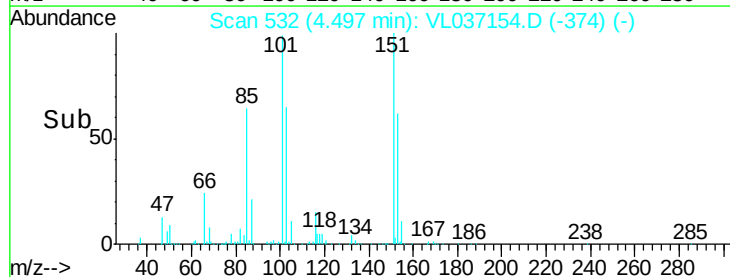
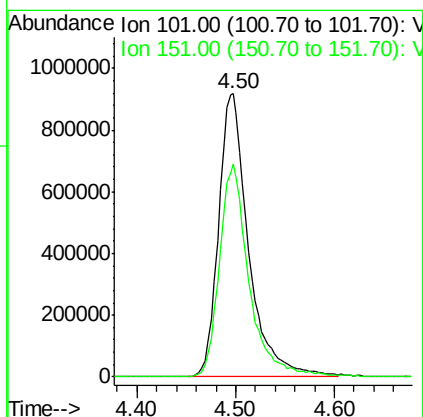
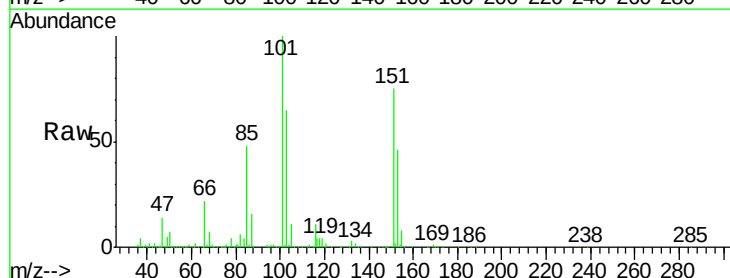
Manual Integrations
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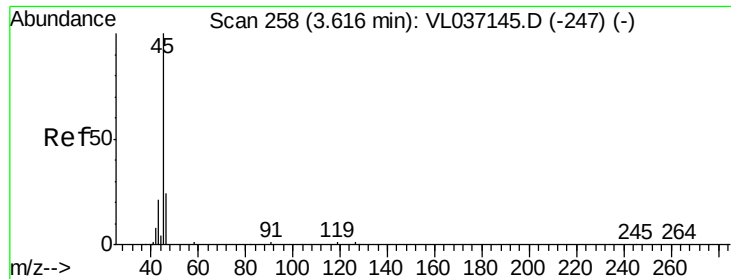
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.473 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Tgt Ion:101 Resp: 1951138
 Ion Ratio Lower Upper
 101 100
 151 74.4 60.5 90.7





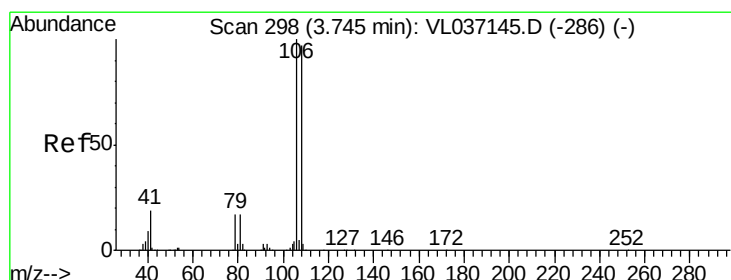
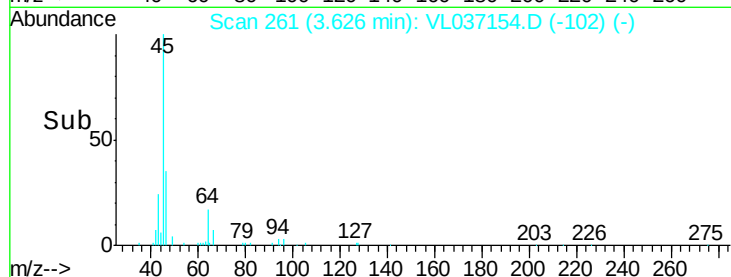
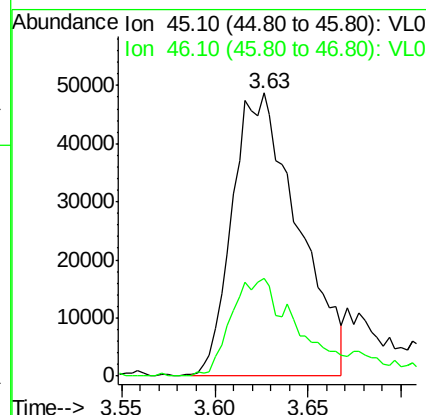
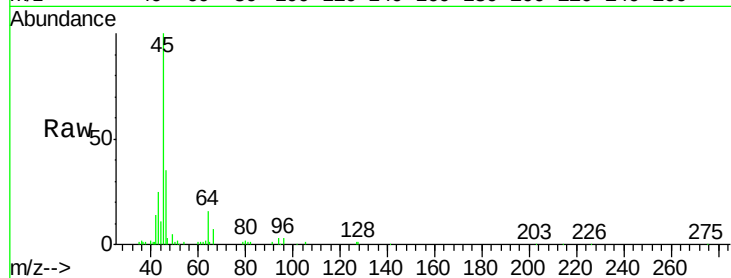
#13
Ethanol
Concen: 9.254 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	Resp	118902
Ion Ratio	100	Lower	Upper
46	39.7	15.4	61.8

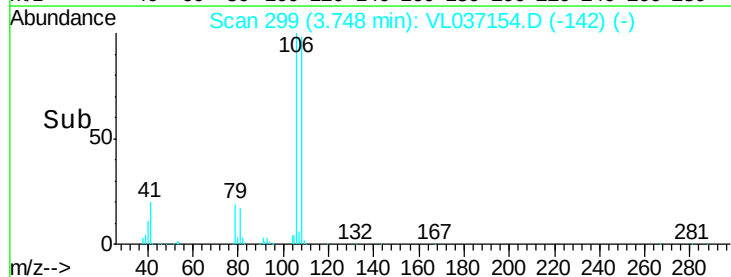
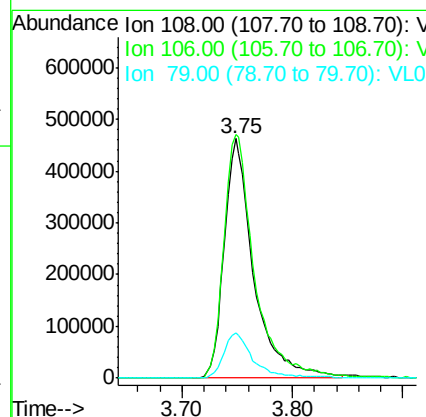
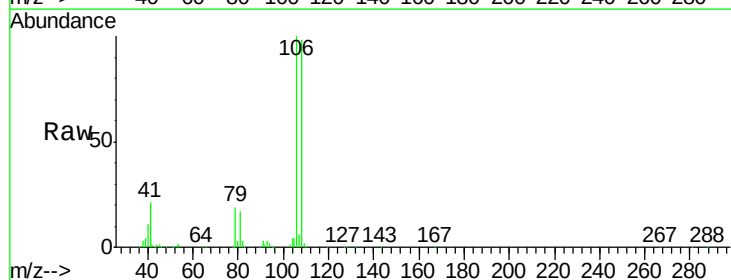
Manual Integrations
APPROVED

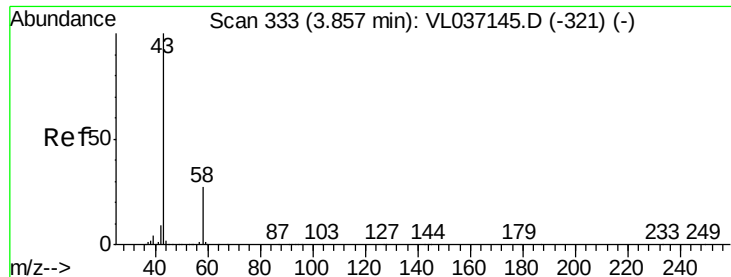
MMDadoda
6/16/2021 5:01:26 PM



#14
Bromoethene
Concen: 10.634 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion	108	Resp	857193
Ion Ratio	100	Lower	Upper
106	106.9	86.5	129.7
79	19.3	15.4	23.2





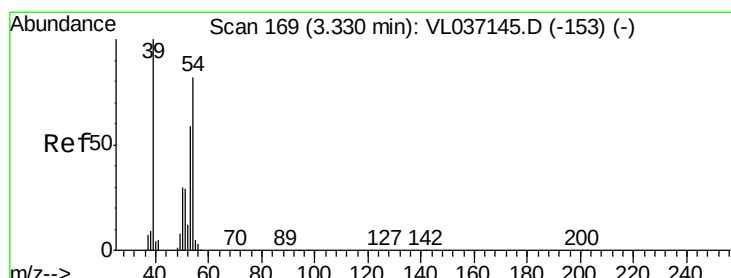
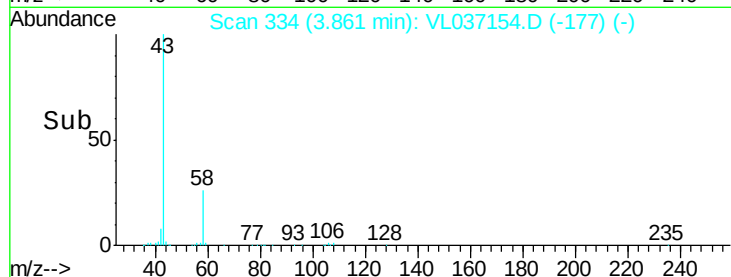
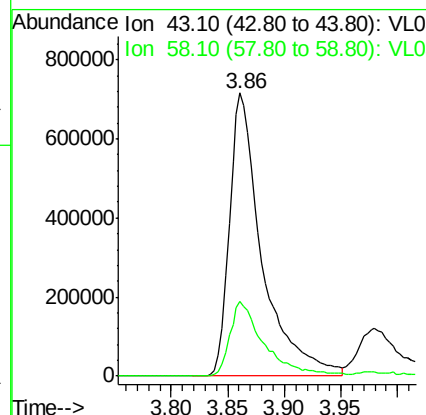
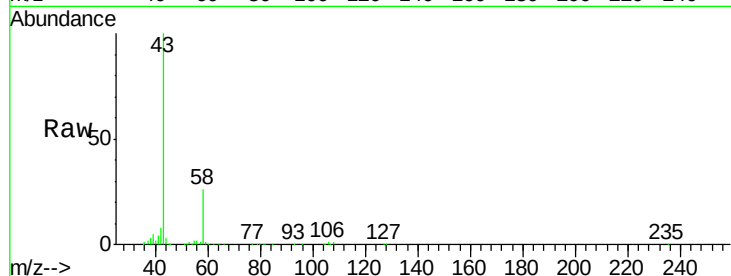
#15
Acetone
Concen: 7.965 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1432315
Ion Ratio Lower Upper
43 100
58 27.7 23.0 34.6

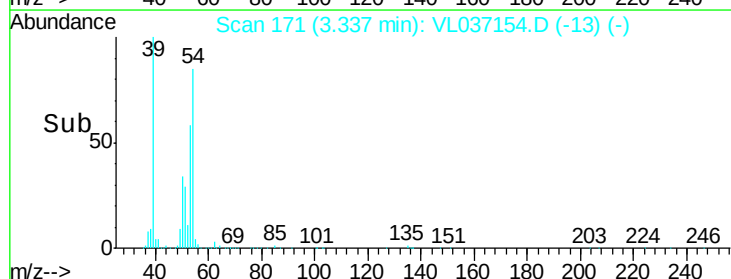
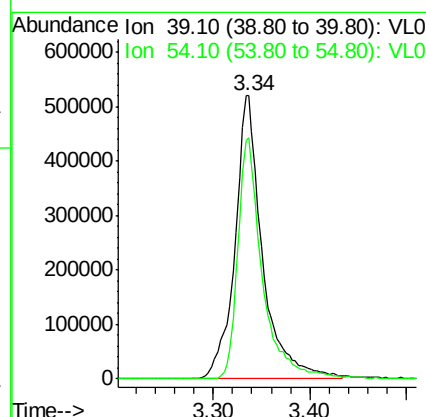
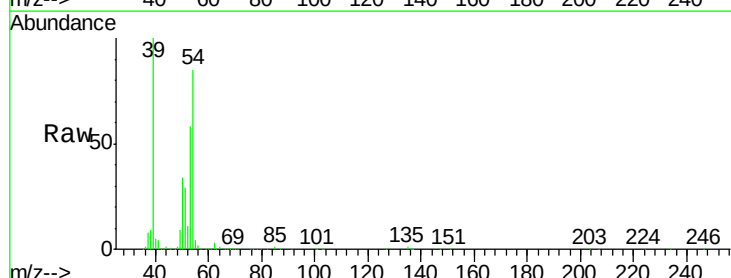
Manual Integrations
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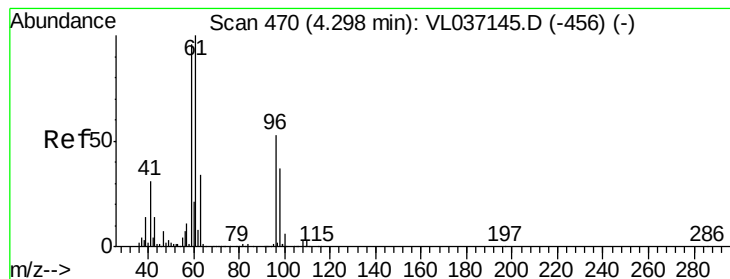
MMDadoda
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#16
1,3-Butadiene
Concen: 10.640 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 39 Resp: 1033108
Ion Ratio Lower Upper
39 100
54 76.4 61.8 92.6





#17

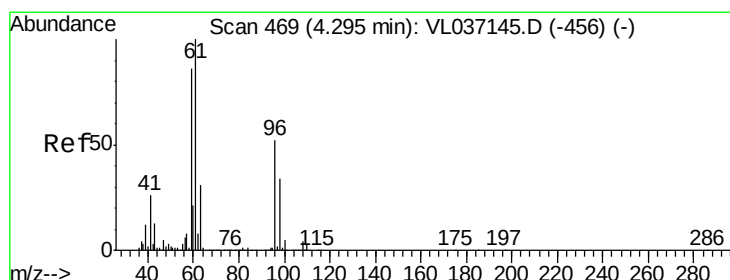
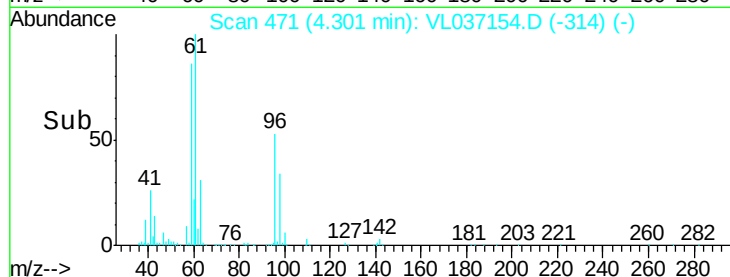
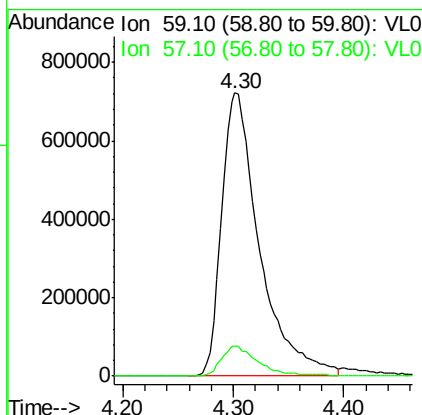
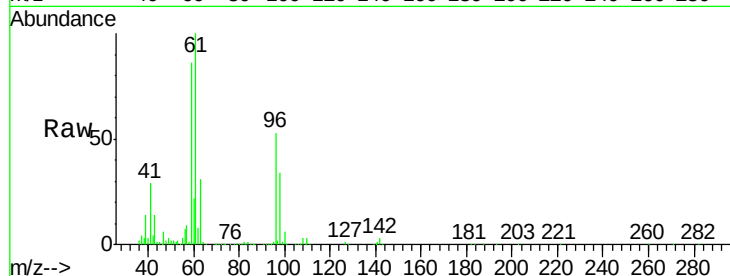
tert-Butyl alcohol
Concen: 11.071 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1722963
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2

Manual Integrations
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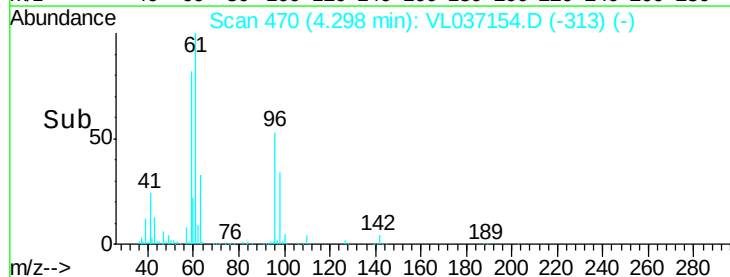
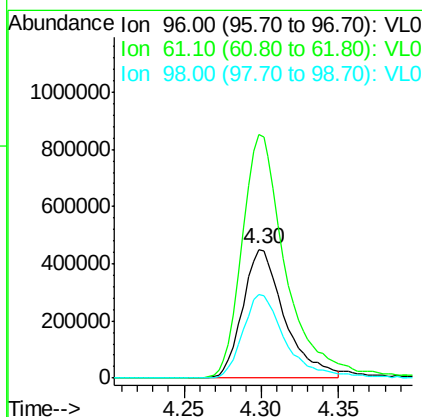
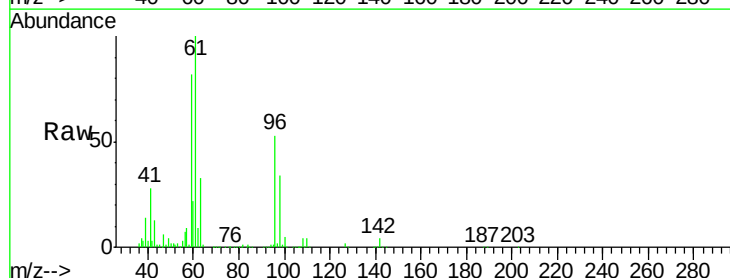
MMDadoda
6/16/2021 5:01:26 PM

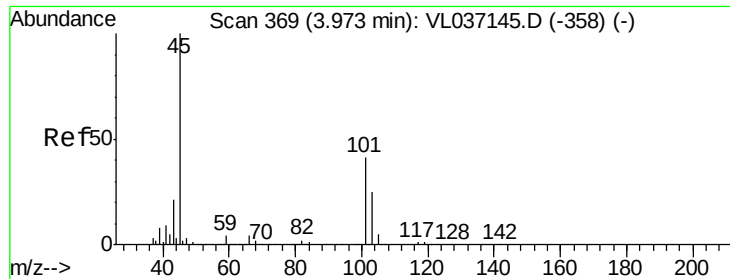


#18

1,1-Dichloroethene
Concen: 10.097 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 96 Resp: 848610
Ion Ratio Lower Upper
96 100
61 188.7 154.0 231.0
98 64.7 52.3 78.5





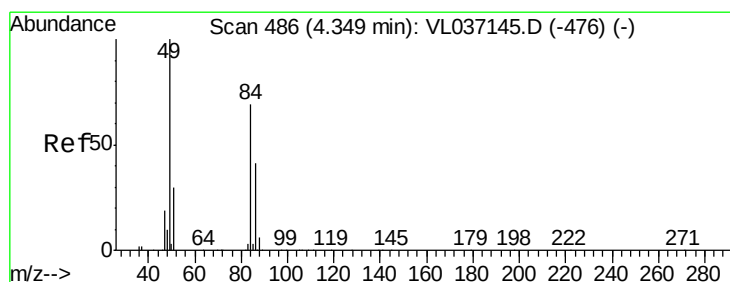
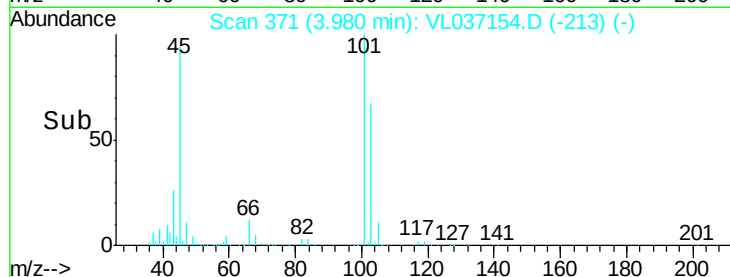
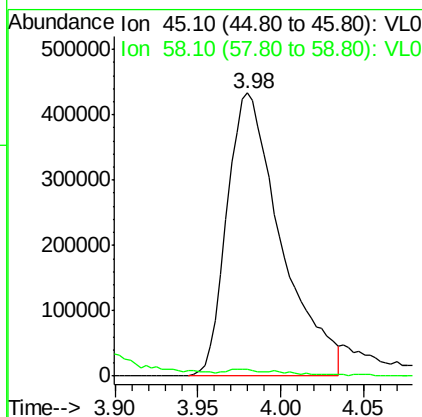
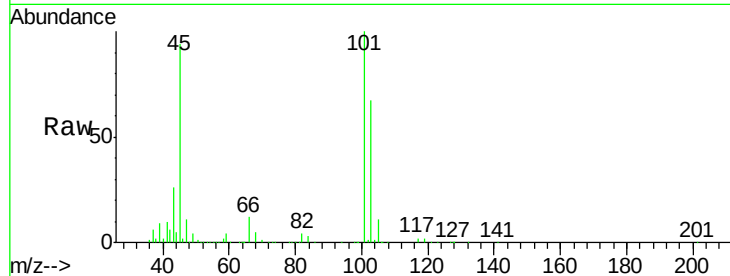
#19
Isopropyl Alcohol
Concen: 9.939 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 980839
Ion Ratio Lower Upper
45 100
58 2.5 1.4 2.2#

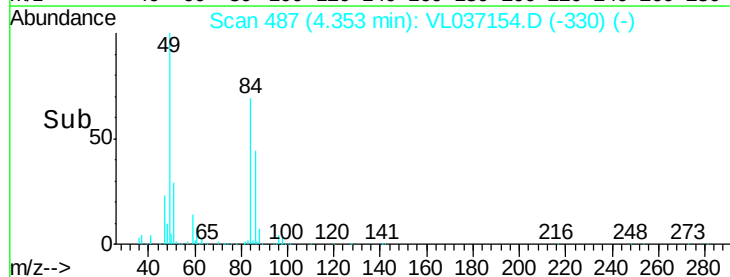
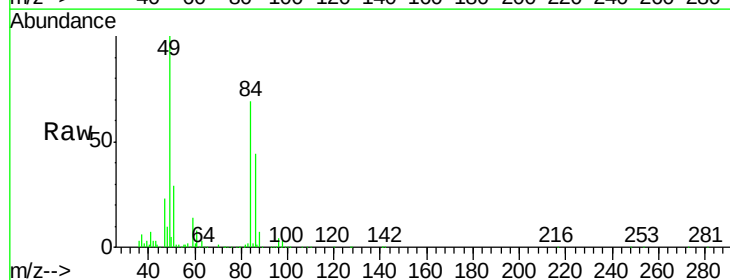
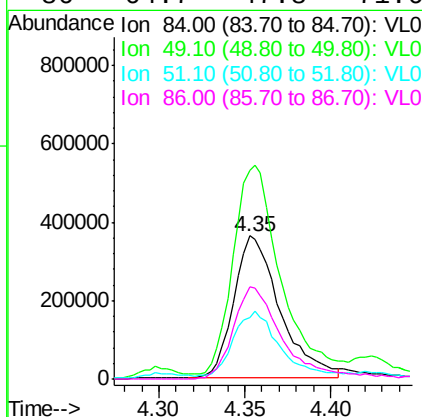
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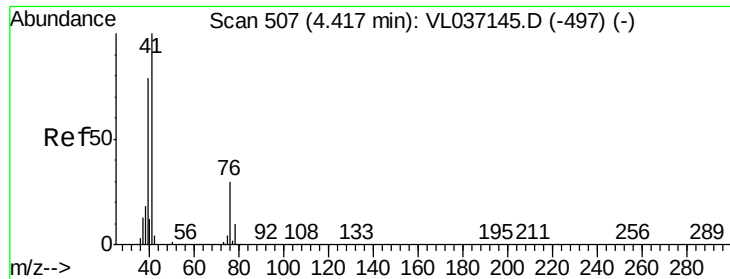
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#20
Methylene Chloride
Concen: 8.726 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 84 Resp: 683920
Ion Ratio Lower Upper
84 100
49 142.8 115.3 172.9
51 40.6 34.2 51.4
86 64.7 47.8 71.6





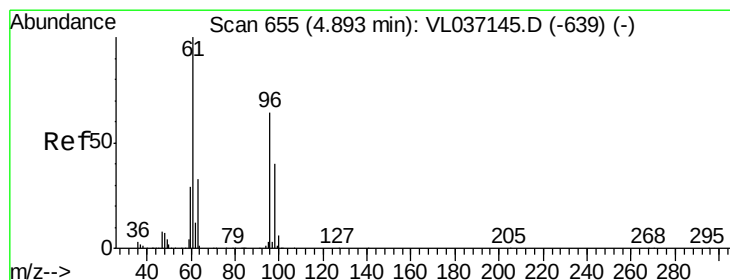
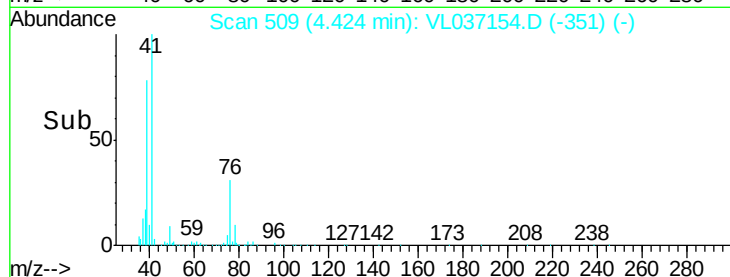
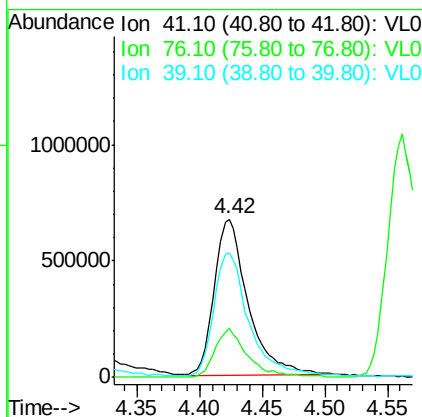
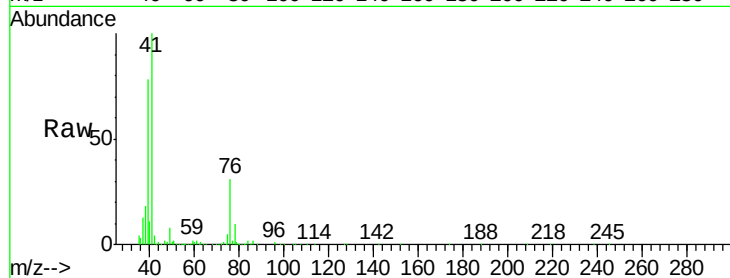
#21
Allvl Chloride
Concen: 10.517 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.7	25.2	37.8
39	82.6	66.2	99.2

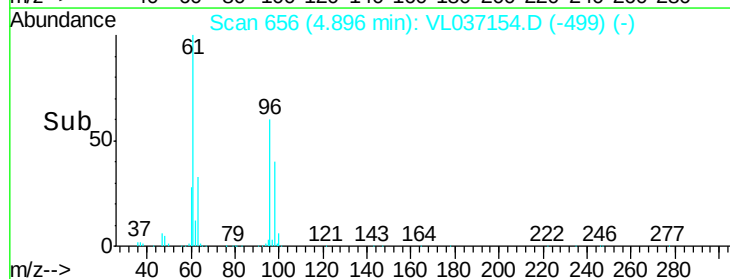
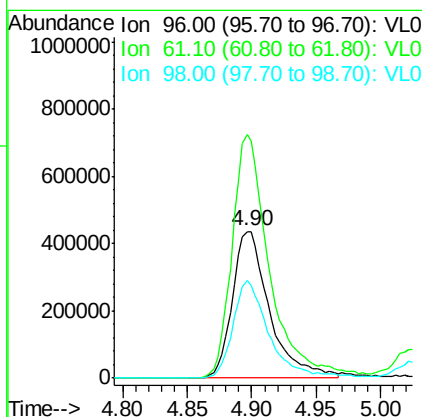
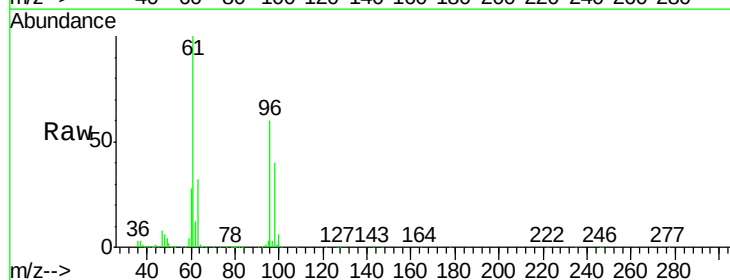
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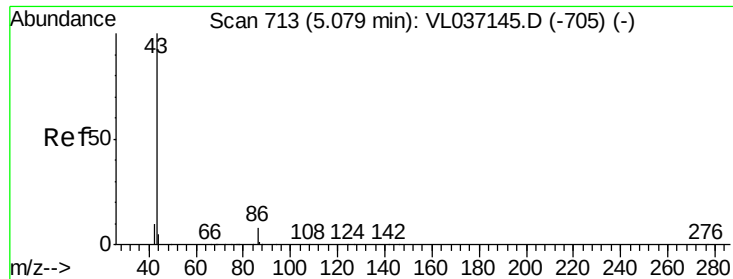
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#22
trans-1,2-Dichloroethene
Concen: 10.721 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	125.3	187.9
98	66.8	50.3	75.5





#23

Vinyl Acetate

Concen: 11.149 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tot Ion: 43 Resp: 2632788

Ion Ratio Lower Upper

43 100

86 7.6 5.4 8.2

42 10.5 8.6 12.8

44 4.9 3.8 5.6

Instrument :

MSVOA_L

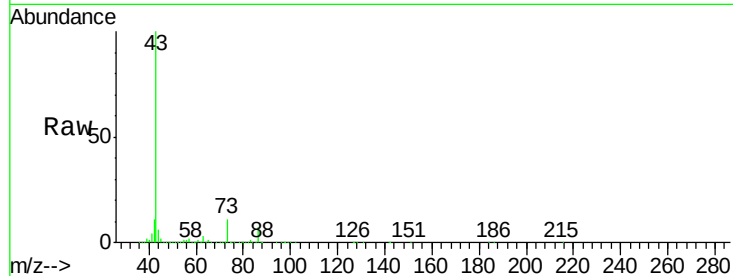
ClientSampleId :

VSTDCCC010

Manual Integrations
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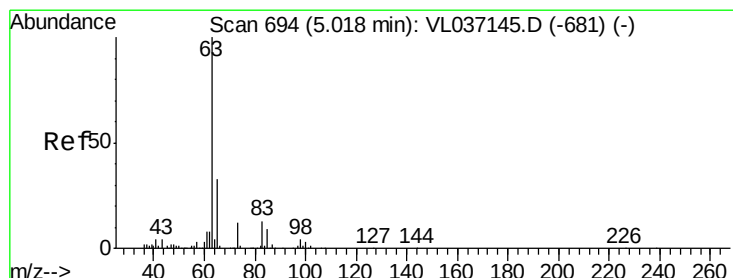
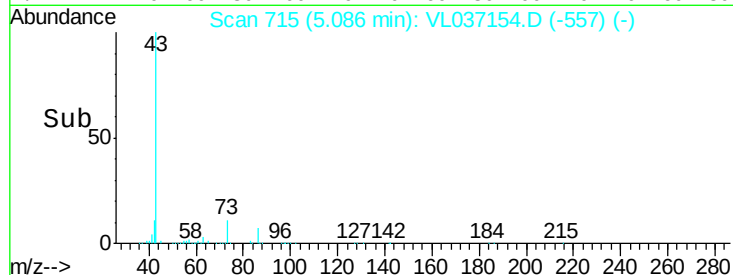
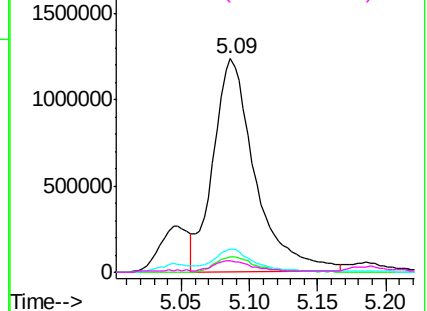


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.109 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

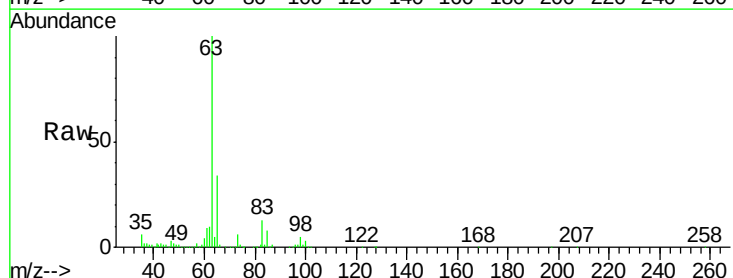
Tgt Ion: 63 Resp: 1915799

Ion Ratio Lower Upper

63 100

98 5.0 2.4 7.1

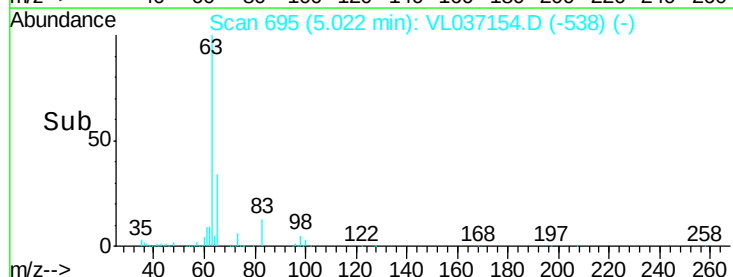
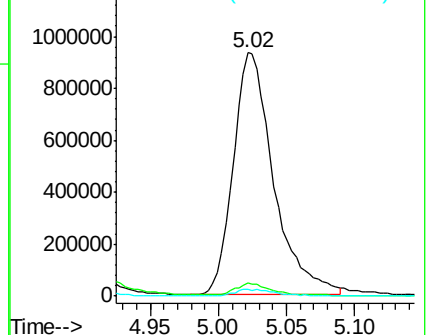
100 2.7 1.6 4.8

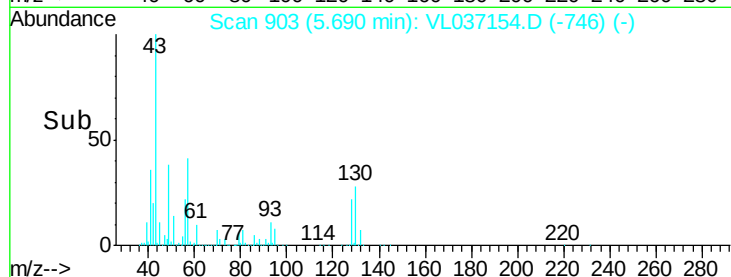
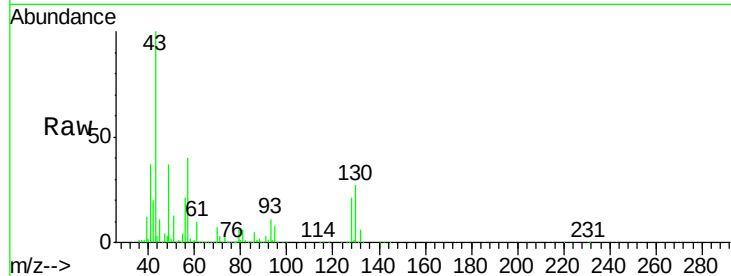
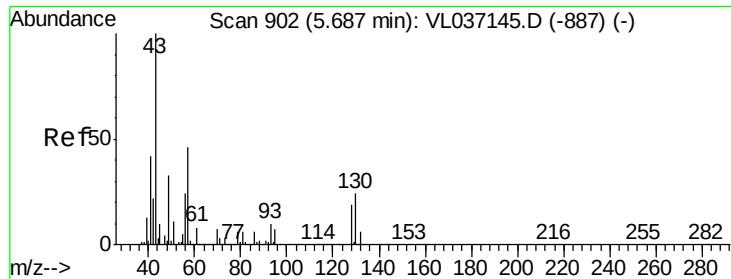


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





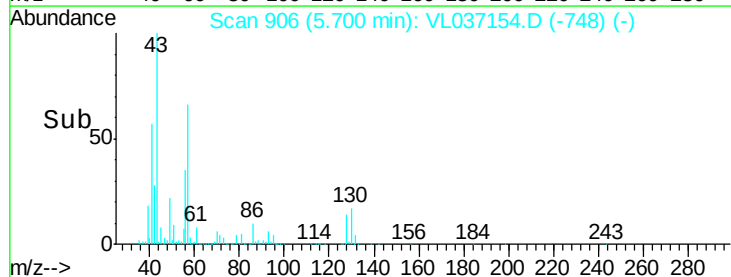
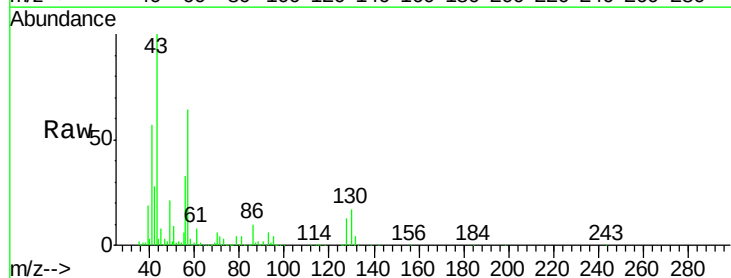
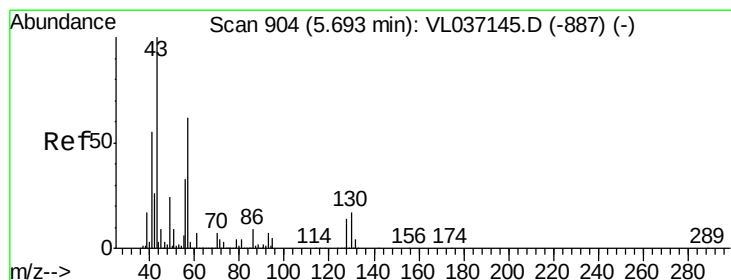
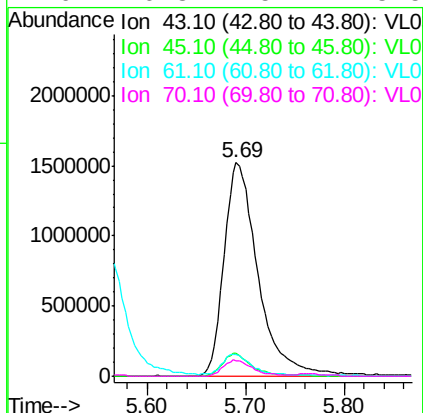
#25
Ethyl Acetate
Concen: 10.346 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tot Ion	43	Resp	3645564
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.7	7.5	11.3
70	6.8	5.7	8.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

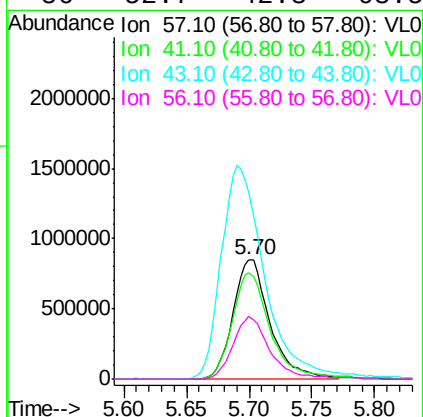
Manual Integrations
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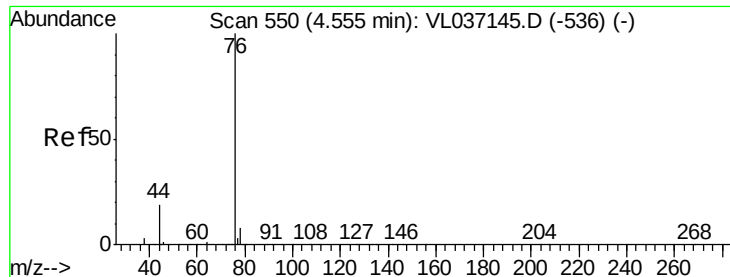
MMDadoda
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#26
Hexane
Concen: 9.932 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion	57	Resp	1740590
Ion	Ratio	Lower	Upper
57	100		
41	93.0	73.6	110.4
43	212.5	168.8	253.2
56	52.7	42.3	63.5





#27

Carbon Disulfide

Concen: 11.487 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2040855

Ion Ratio Lower Upper

76 100

44 19.4 15.6 23.4

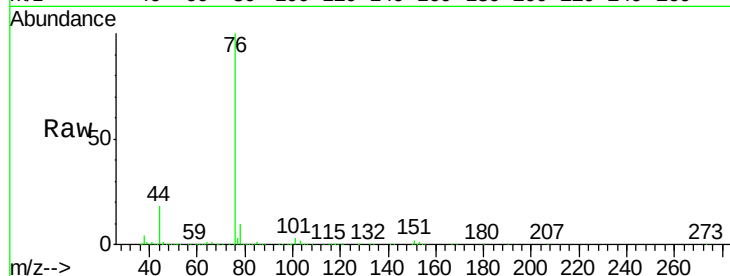
78 9.7 7.6 11.4

Manual Integrations

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MMDadoda

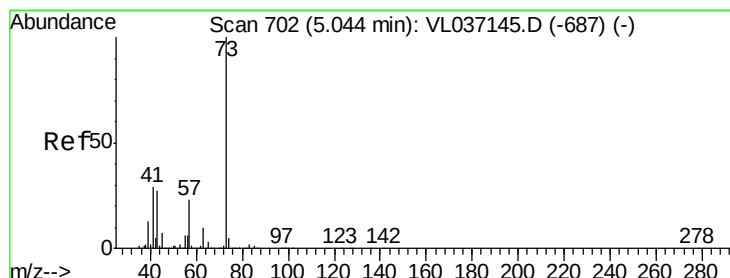
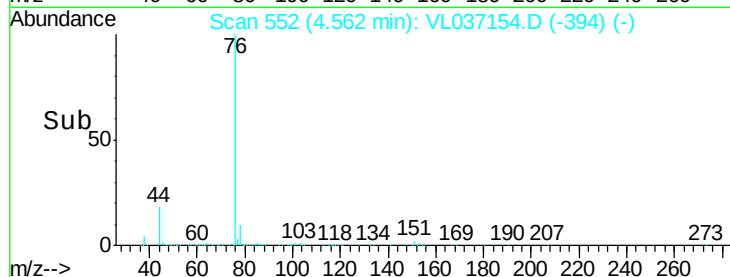
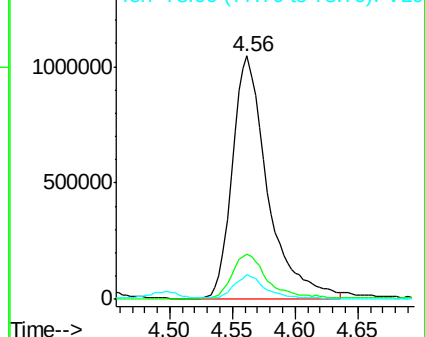
6/16/2021 5:01:26 PM



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: 10.248 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL037154.D

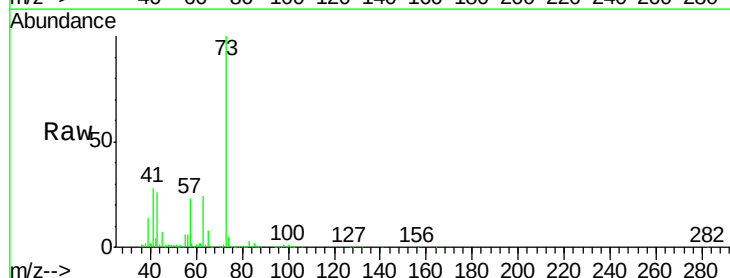
Acq: 15 Jun 2021 9:26

Tgt Ion: 73 Resp: 2249287

Ion Ratio Lower Upper

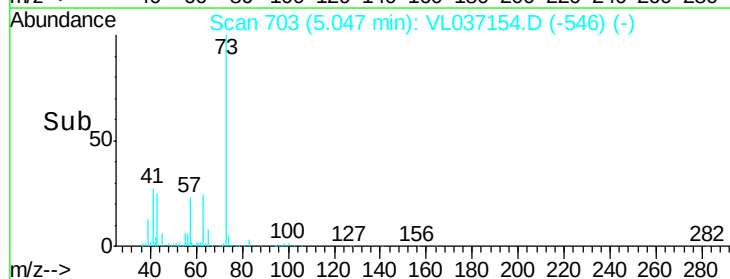
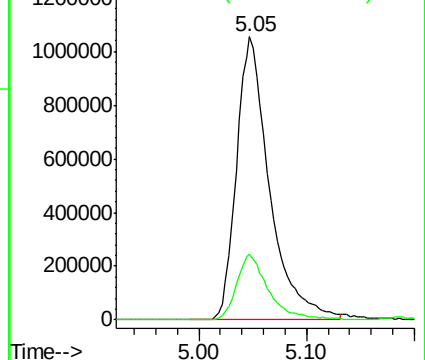
73 100

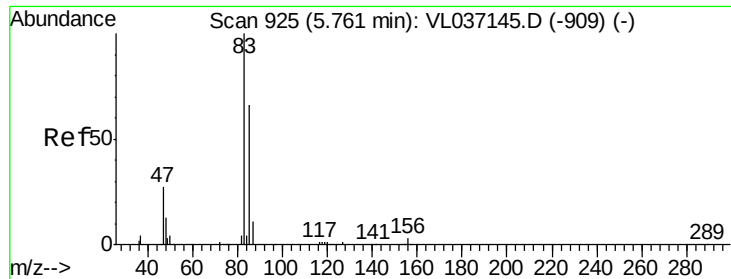
57 22.6 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





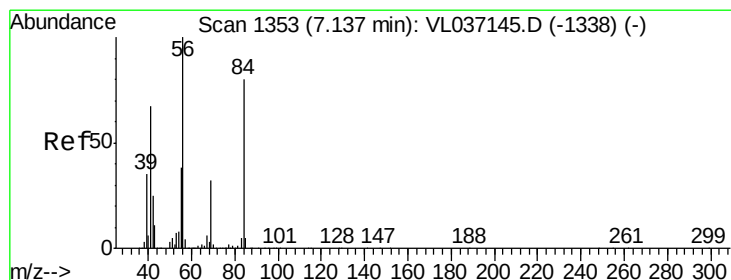
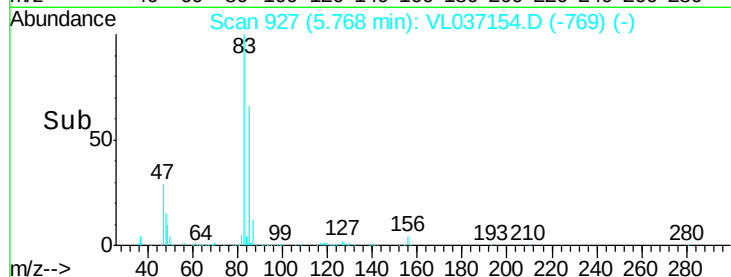
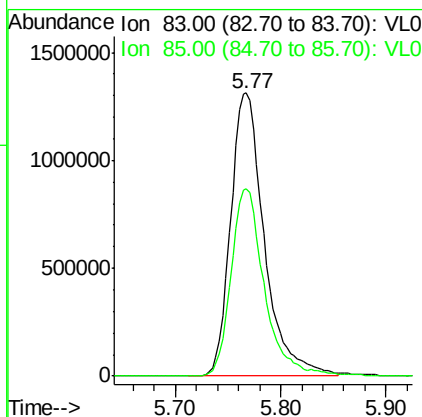
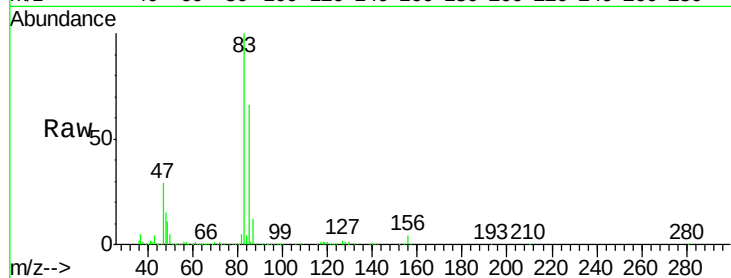
#29
Chloroform
Concen: 10.274 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2906470
Ion Ratio Lower Upper
83 100
85 65.8 52.6 78.8

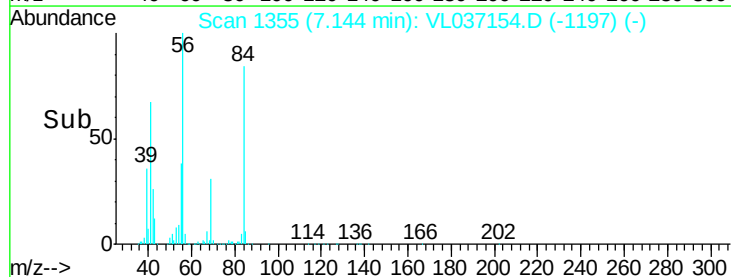
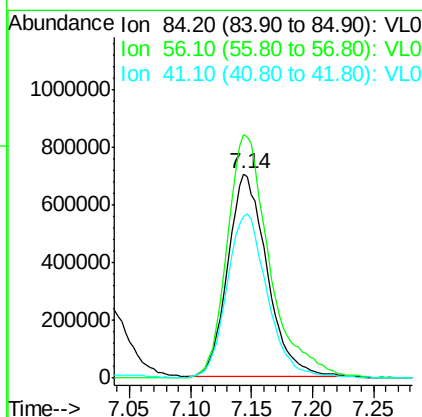
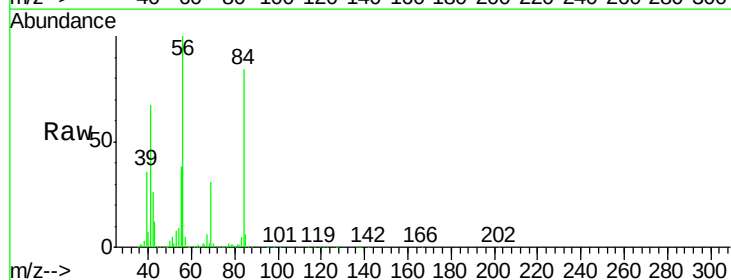
Manual Integrations
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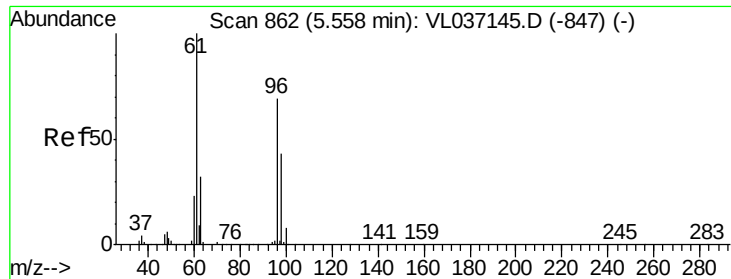
MMDadoda
6/16/2021 5:01:26 PM



#30
Cyclohexane
Concen: 10.259 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 84 Resp: 1567450
Ion Ratio Lower Upper
84 100
56 131.0 103.9 155.9
41 84.5 66.5 99.7





#31

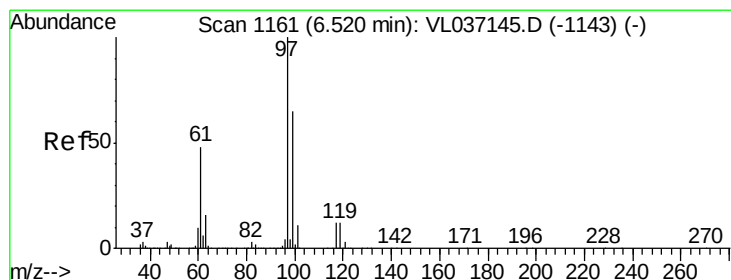
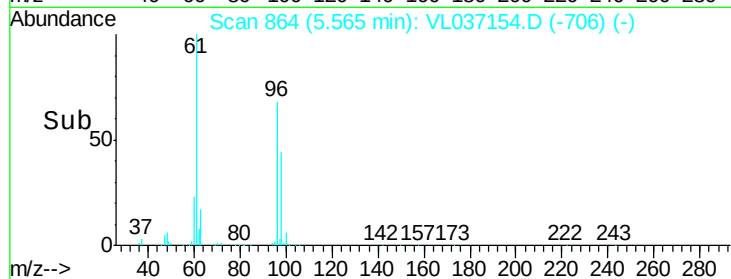
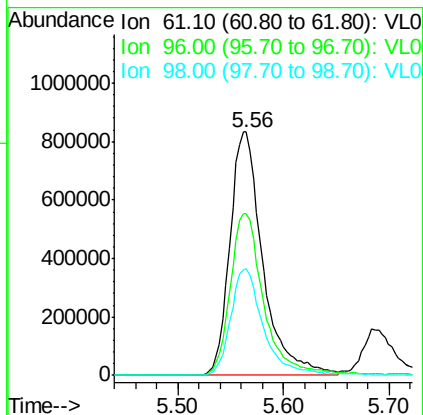
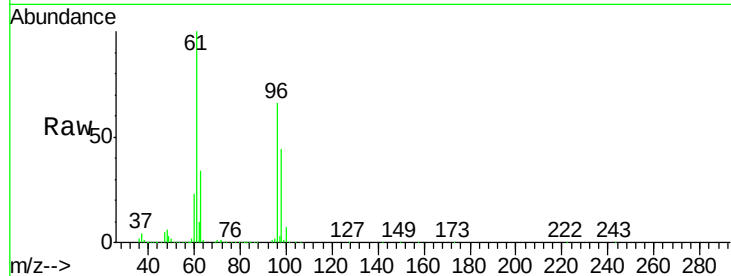
cis-1,2-Dichloroethene
Concen: 10.628 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.5	55.3	82.9
98	43.8	34.7	52.1

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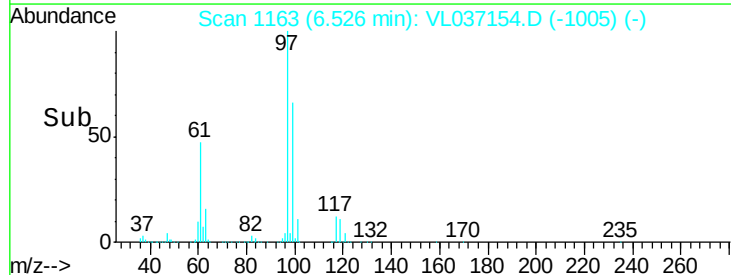
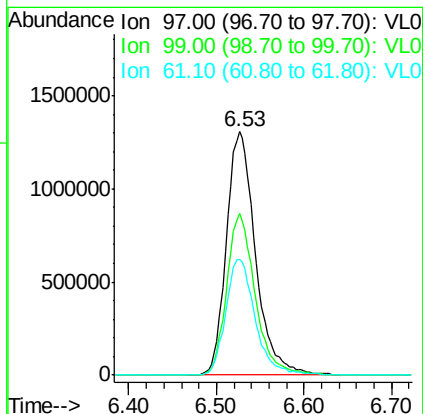
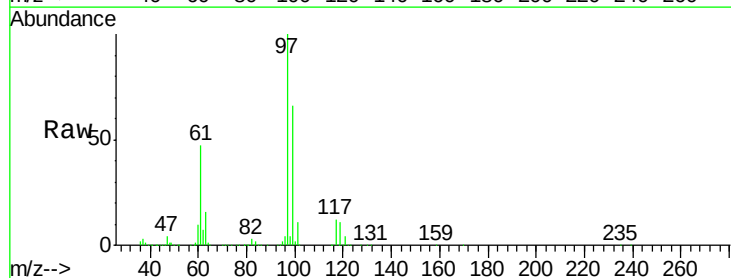
MMDadoda
6/16/2021 5:01:26 PM

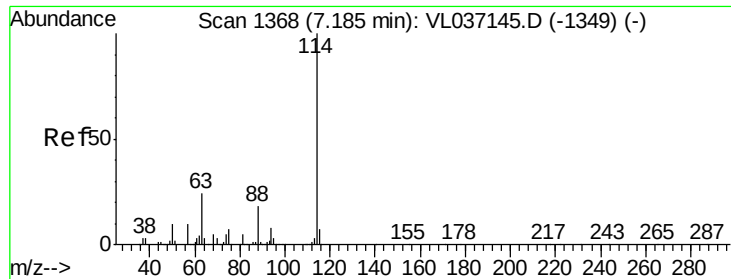


#32

1,1,1-Trichloroethane
Concen: 11.620 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.4	78.6
61	48.0	38.5	57.7





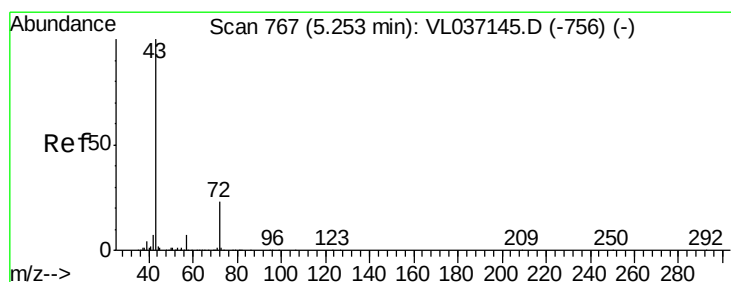
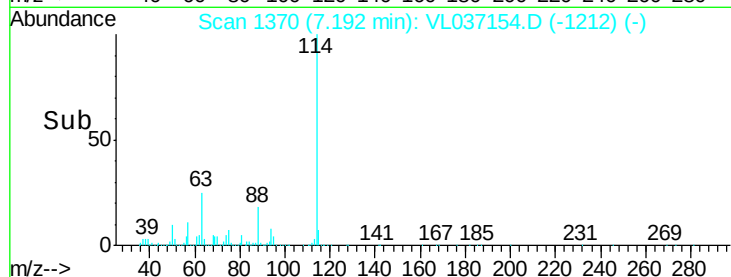
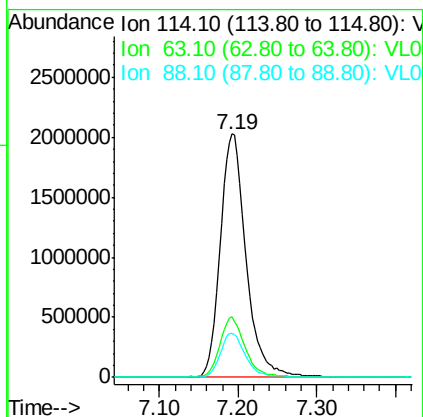
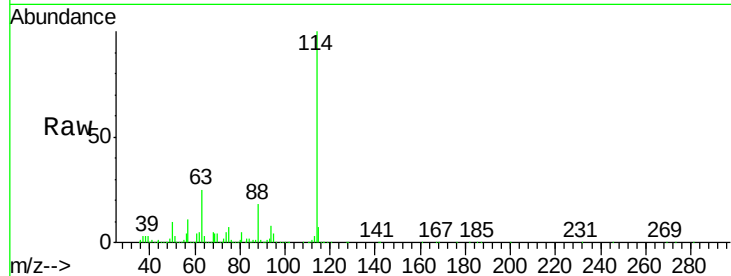
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4572160
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.8 29.6
 88 17.9 14.3 21.5

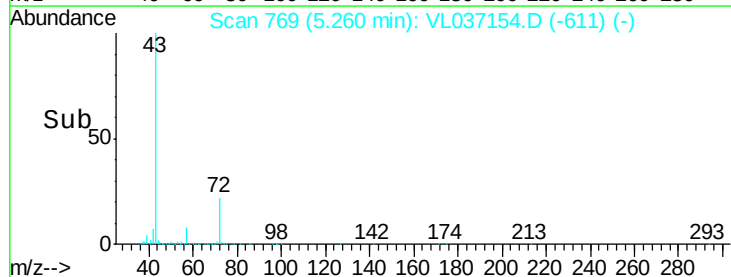
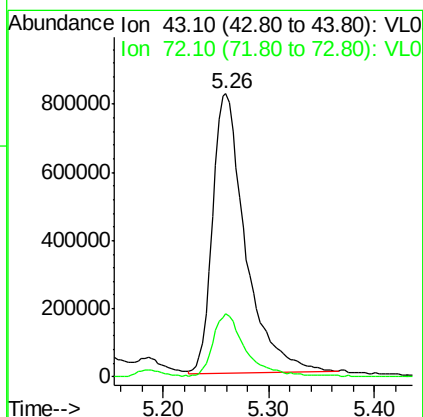
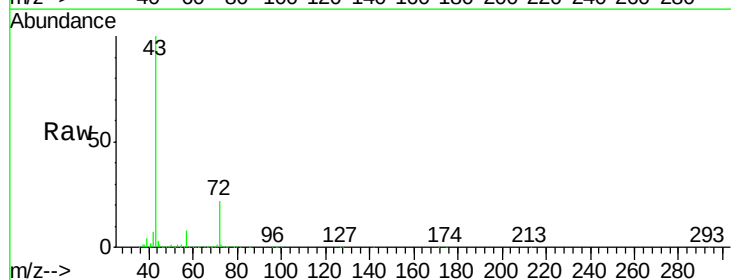
Manual Integrations
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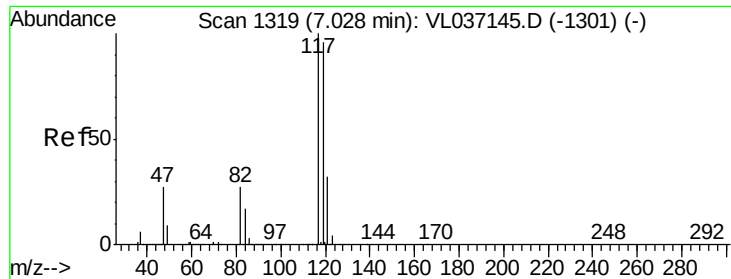
MMDadoda
 6/16/2021 5:01:26 PM



#34
 2-Butanone
 Concen: 10.383 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Tgt Ion: 43 Resp: 1782900
 Ion Ratio Lower Upper
 43 100
 72 22.9 18.6 28.0





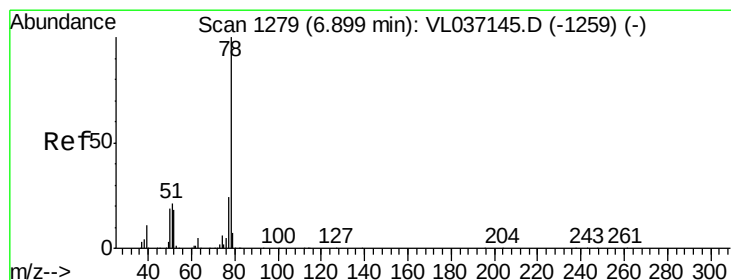
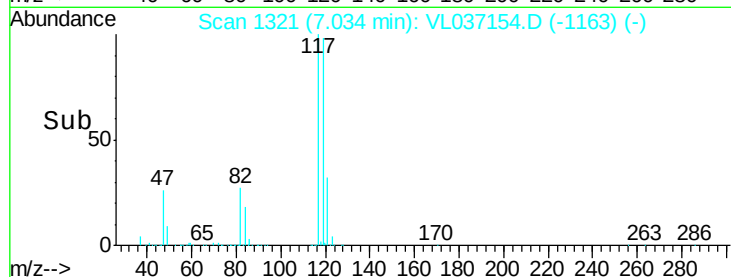
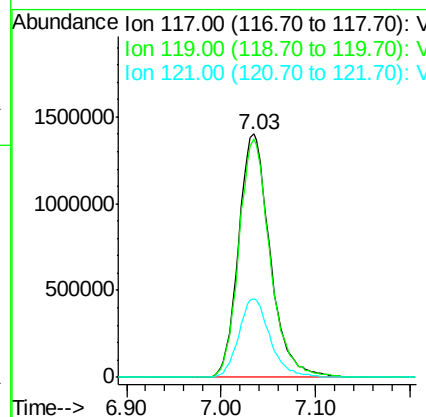
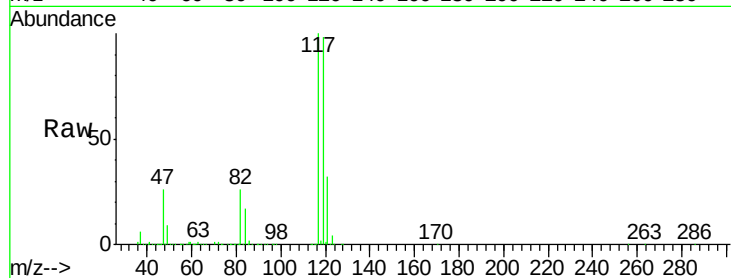
#35
Carbon Tetrachloride
Concen: 11.543 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.0	115.4
121	32.1	25.4	38.0

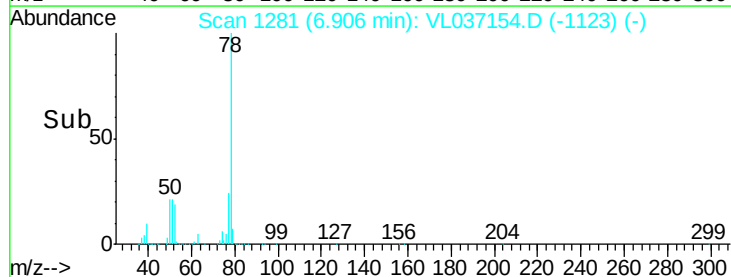
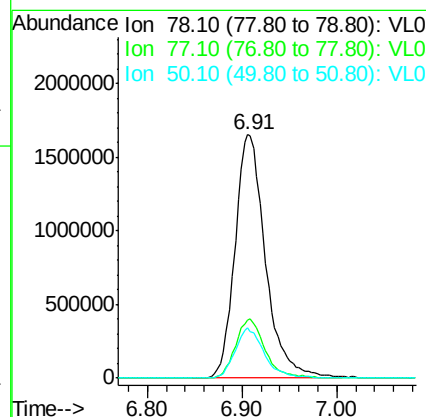
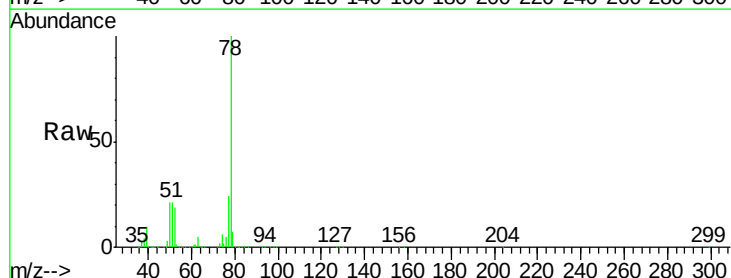
Manual Integrations
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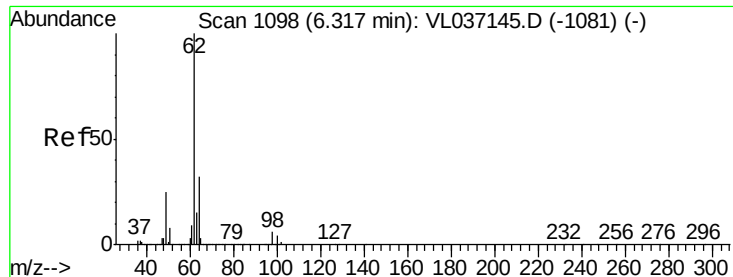
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#36
Benzene
Concen: 10.177 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3
50	20.6	15.5	23.3





#37

1,2-Dichloroethane

Concen: 10.348 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 2179947

Ion Ratio Lower Upper

62 100

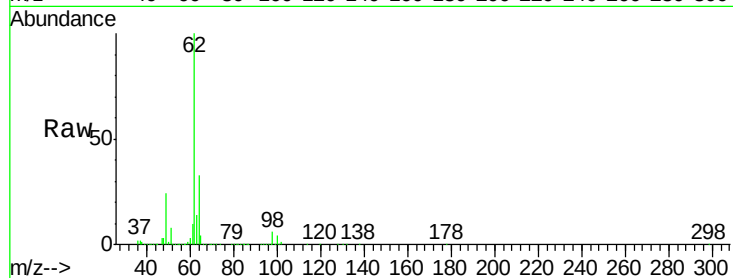
98 6.2 5.1 7.7

Manual Integrations

APPROVED

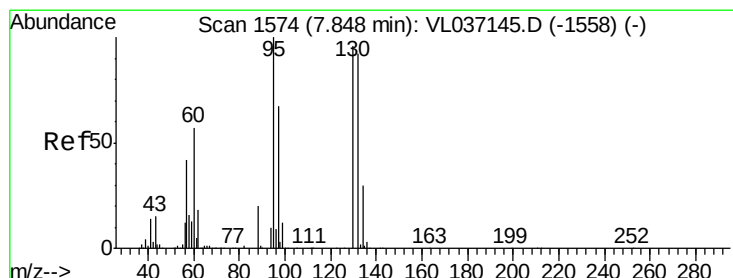
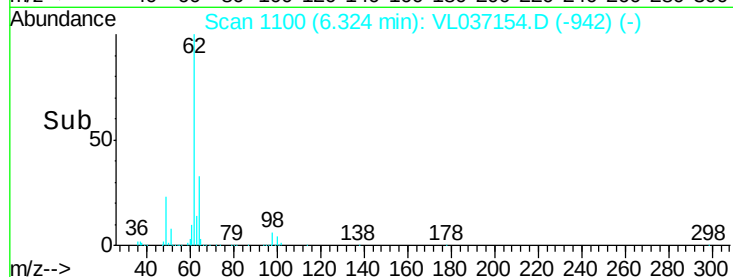
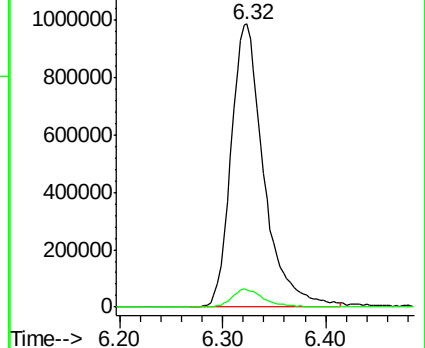
MMDadoda

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.320 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tgt Ion:130 Resp: 1618020

Ion Ratio Lower Upper

130 100

95 107.2 83.5 125.3

132 94.0 76.8 115.2

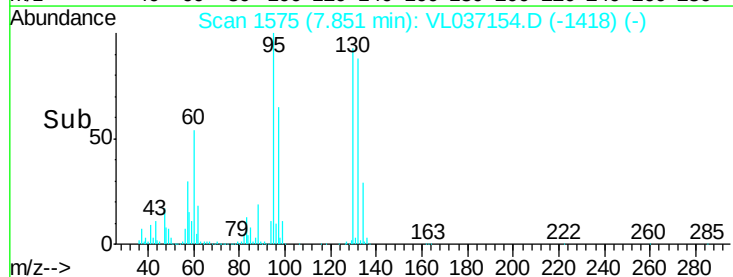
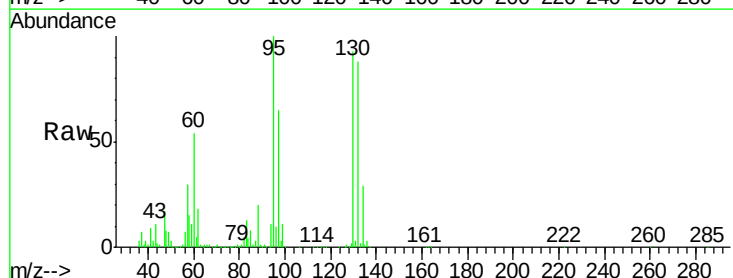
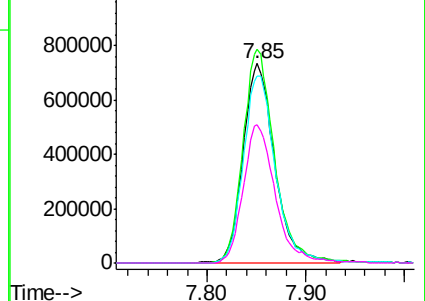
97 69.7 56.3 84.5

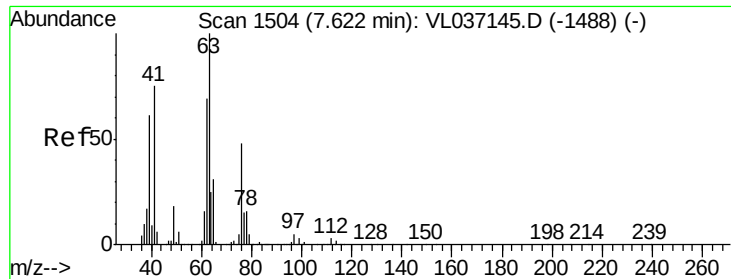
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.218 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1415291

Ion Ratio Lower Upper

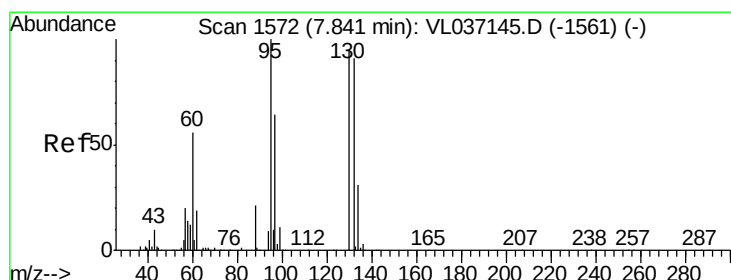
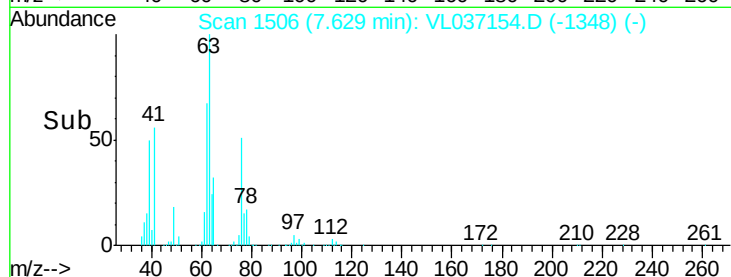
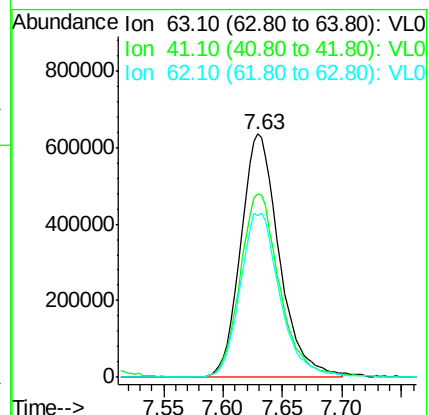
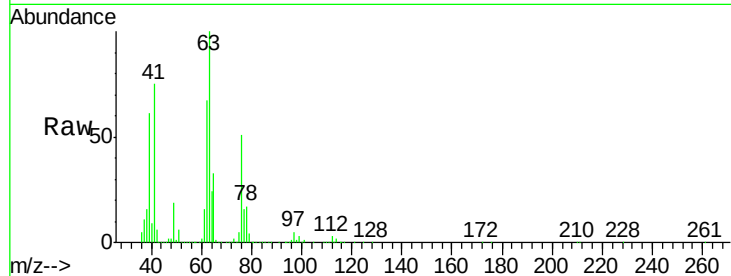
63 100

41 75.1 60.0 90.0

62 66.6 55.4 83.0

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.936 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tgt Ion: 88 Resp: 385370

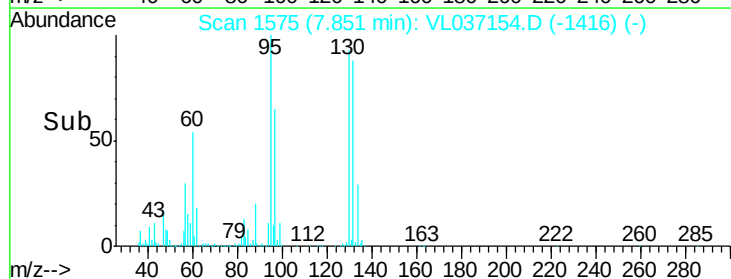
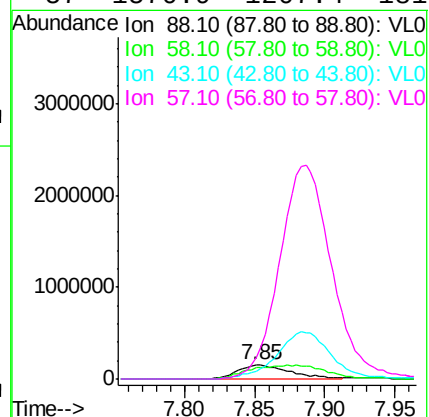
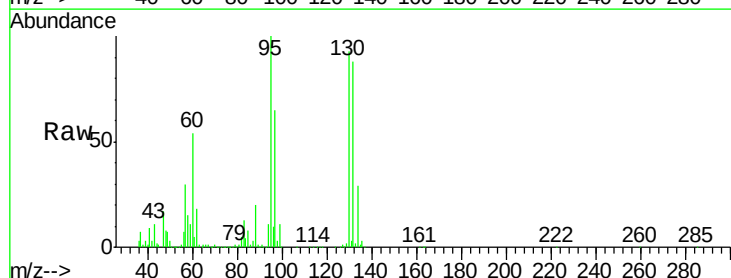
Ion Ratio Lower Upper

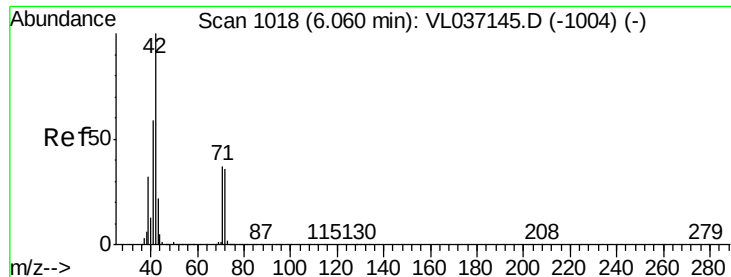
88 100

58 152.4 115.6 173.4

43 360.3 278.3 417.5

57 1570.9 1207.4 1811.0





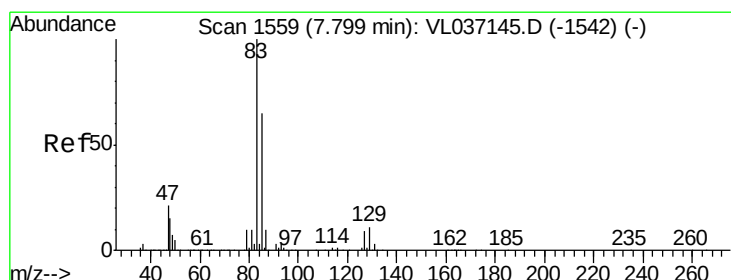
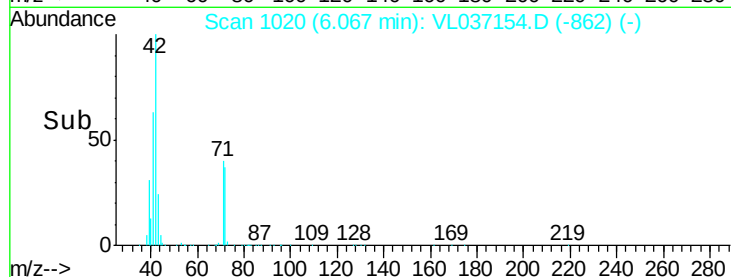
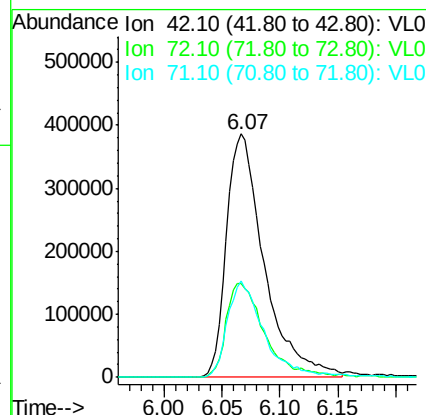
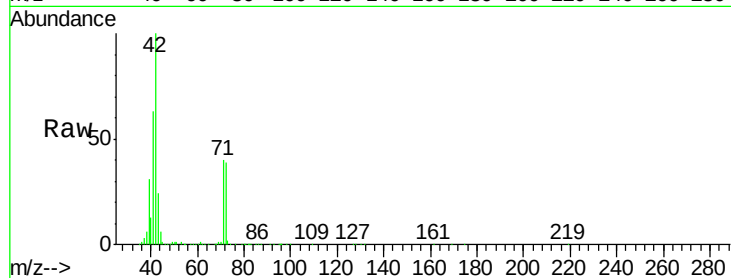
#41
Tetrahydrofuran
Concen: 10.384 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.7	47.5
71	39.6	31.0	46.6

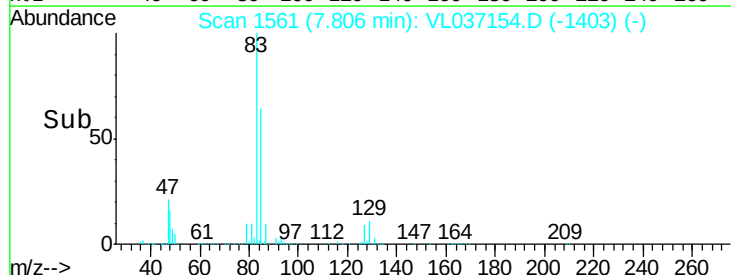
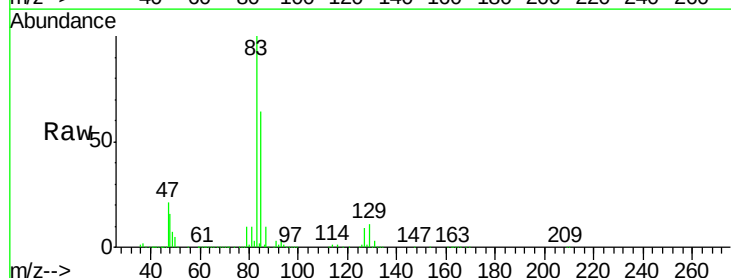
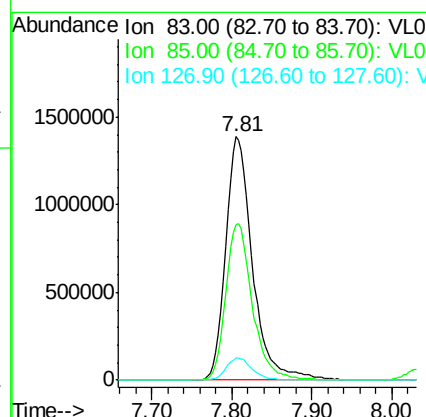
Manual Integrations
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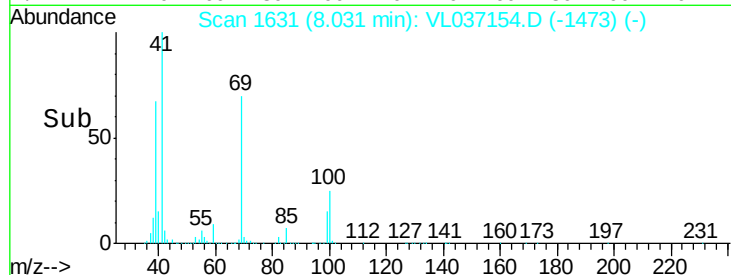
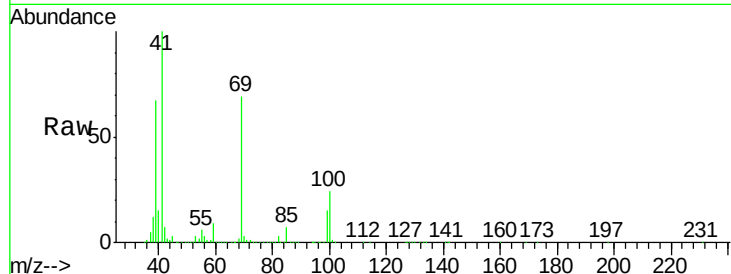
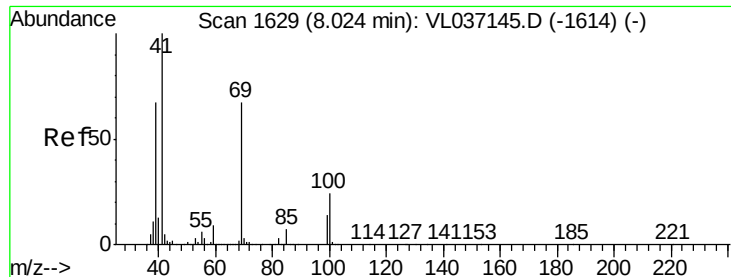
MMDadoda
6/16/2021 5:01:26 PM



#42
Bromodichloromethane
Concen: 11.041 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.7	77.5
127	8.9	7.4	11.0





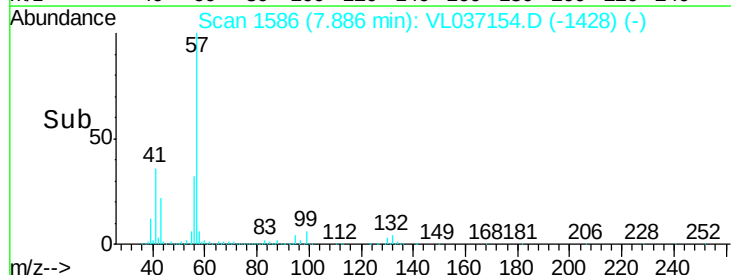
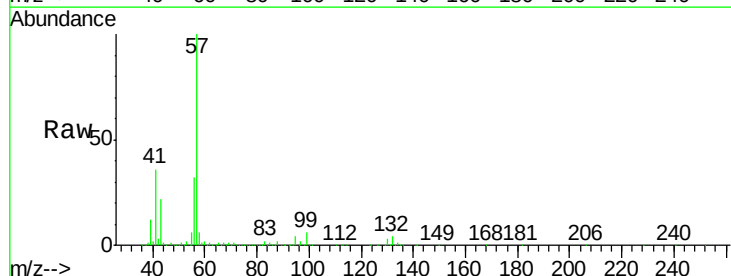
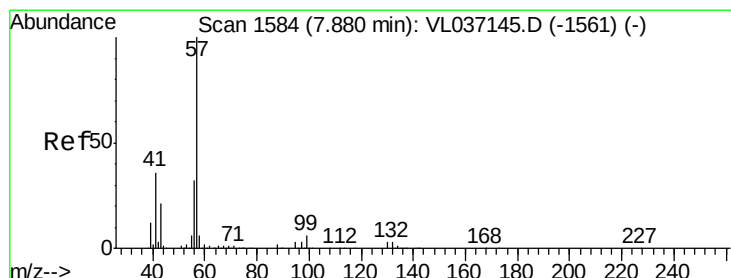
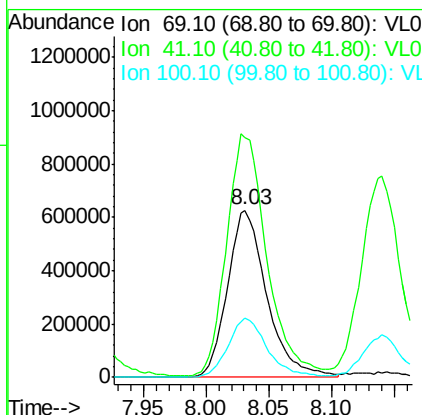
#43
Methyl Methacrylate
Concen: 10.907 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL037145.D
Acq: 15 Jun 2021 9:26

Tot Ion: 69 Resp: 1357535
Ion Ratio Lower Upper
69 100
41 150.0 117.7 176.5
100 35.6 27.9 41.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

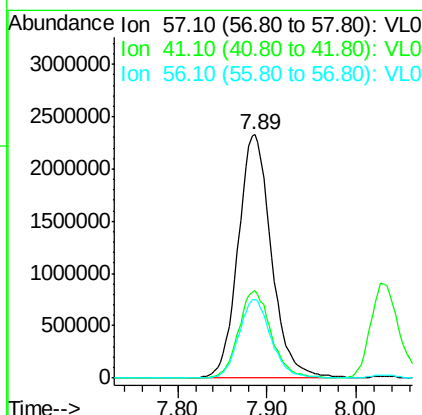
Manual Integrations
APPROVED

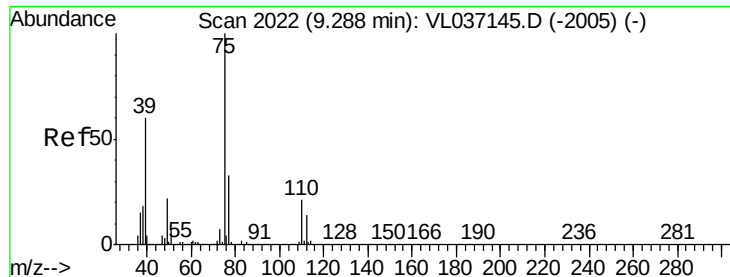
MMDadoda
6/16/2021 5:01:26 PM



#44
2,2,4-Trimethylpentane
Concen: 9.940 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL037145.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 57 Resp: 6036173
Ion Ratio Lower Upper
57 100
41 35.1 28.1 42.1
56 31.4 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.199 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1368350

Ion Ratio Lower Upper

75 100

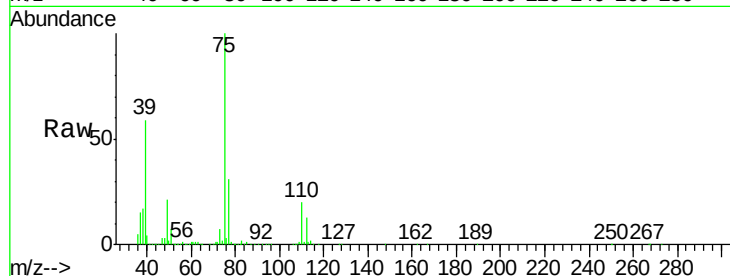
77 31.1 26.2 39.2

Manual Integrations

APPROVED

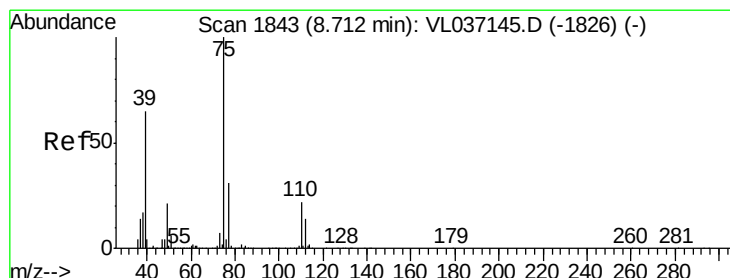
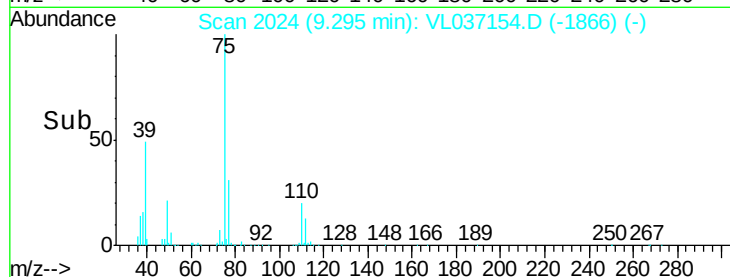
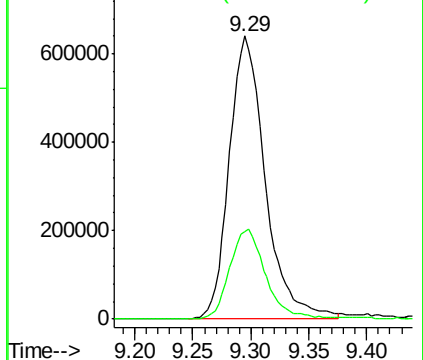
MMDadoda

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.423 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

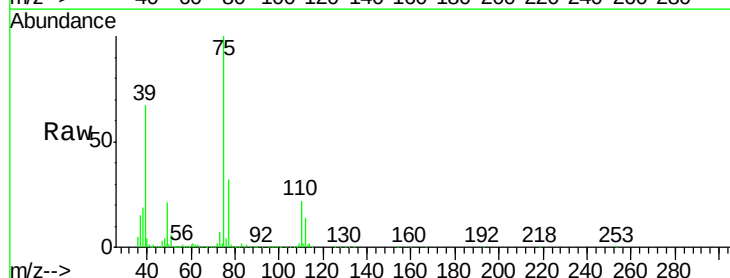
Tgt Ion: 75 Resp: 1709576

Ion Ratio Lower Upper

75 100

39 66.8 52.2 78.4

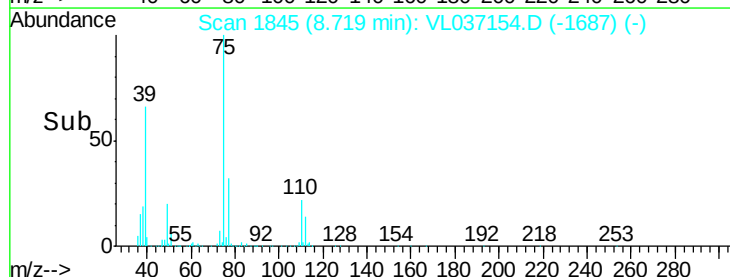
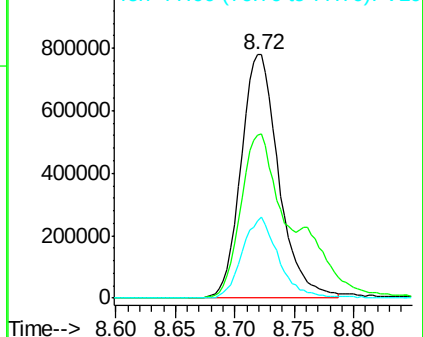
77 31.6 24.5 36.7

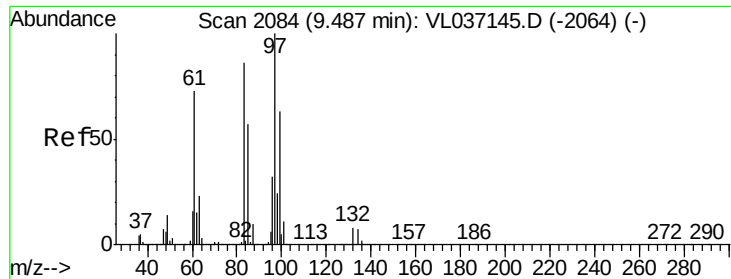


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





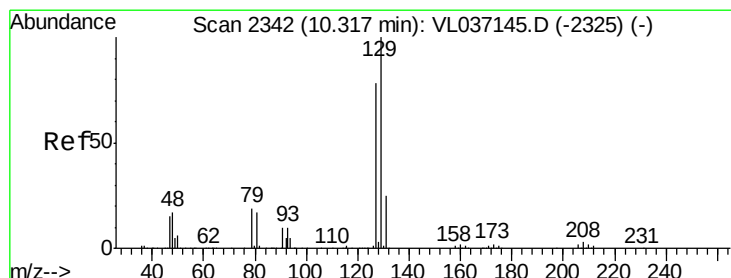
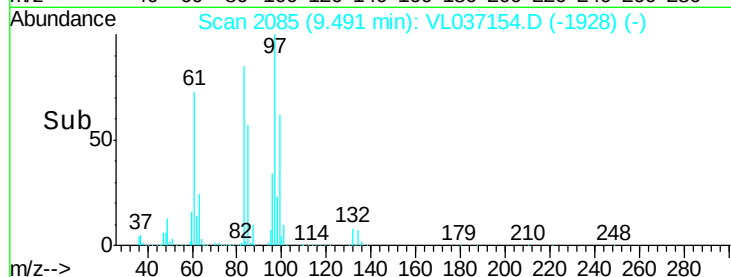
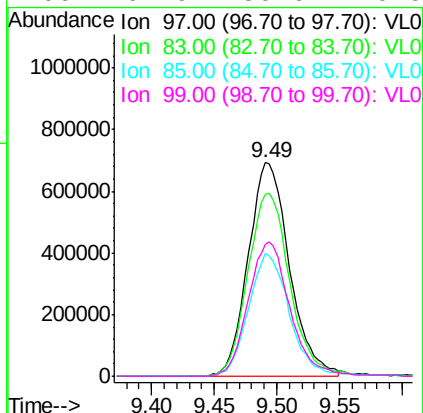
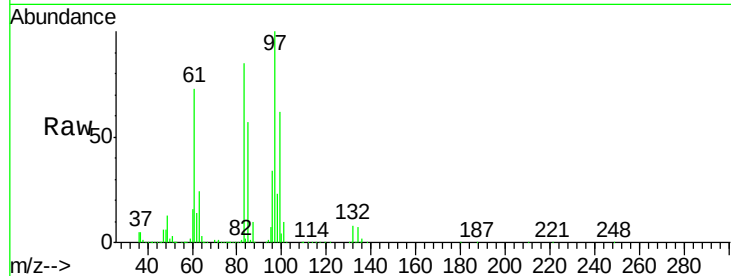
#47
 1,1,2-Trichloroethane
 Concen: 10.051 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.0	103.4
85	57.2	45.7	68.5
99	61.9	50.6	76.0

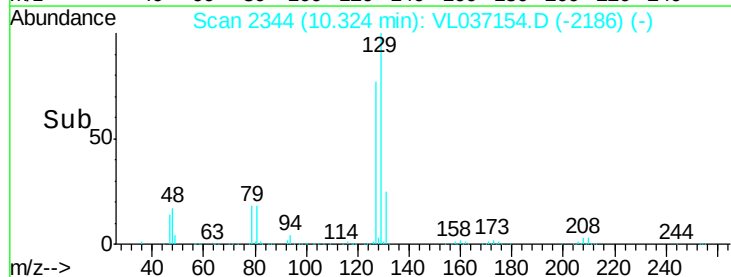
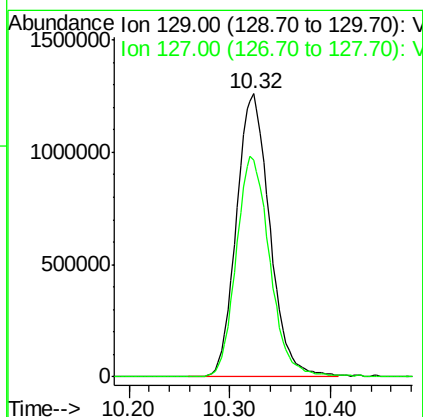
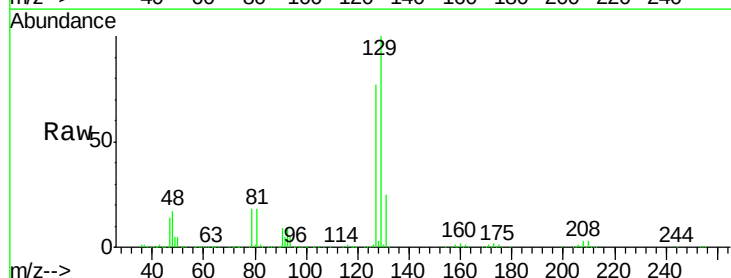
Manual Integrations
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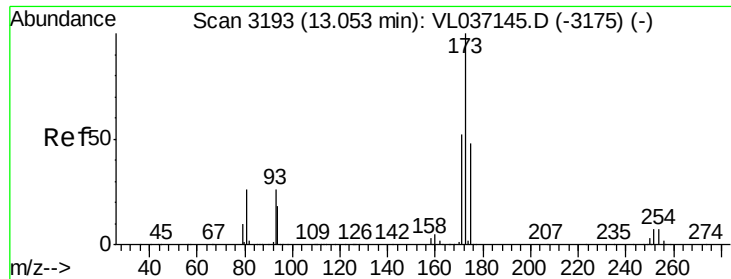
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.429 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.4	118.2





#49

Bromoform

Concen: 12.193 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2414188

Ion Ratio Lower Upper

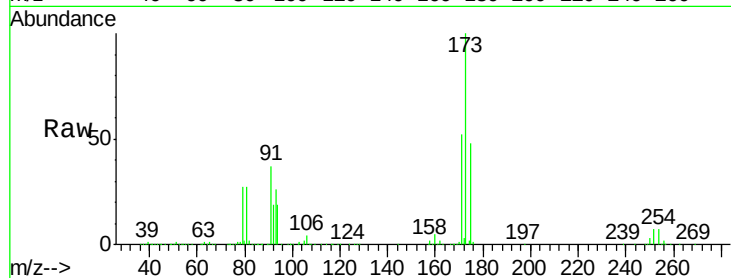
173 100

175 49.4 39.8 59.6

171 52.9 42.5 63.7

Manual Integrations
APPROVED

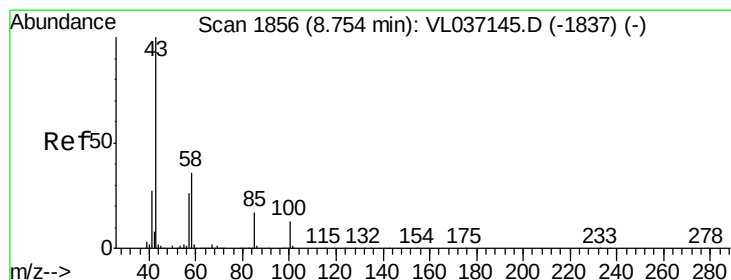
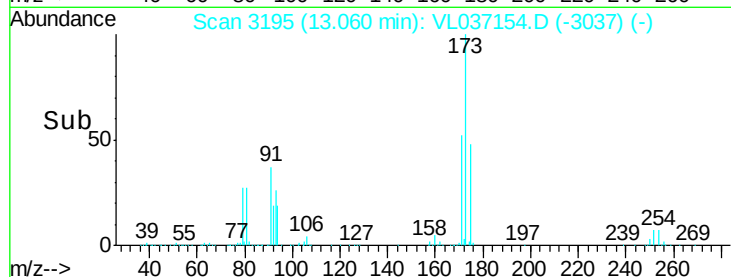
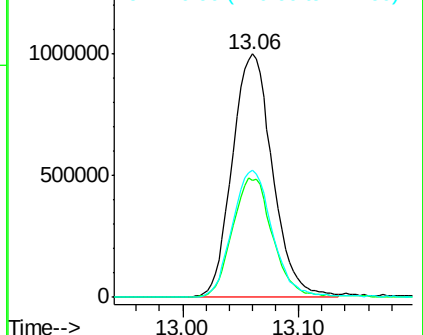
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.623 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL037154.D

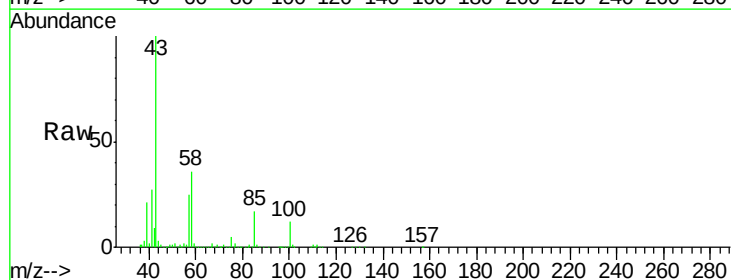
Acq: 15 Jun 2021 9:26

Tgt Ion: 43 Resp: 2683299

Ion Ratio Lower Upper

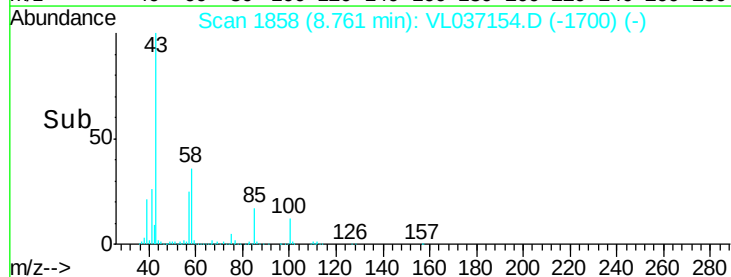
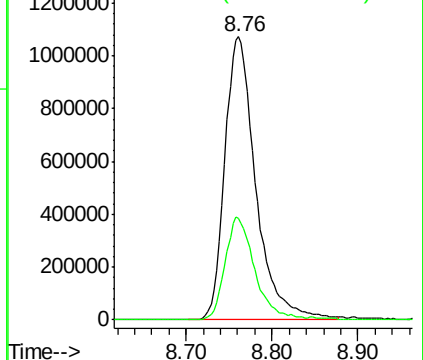
43 100

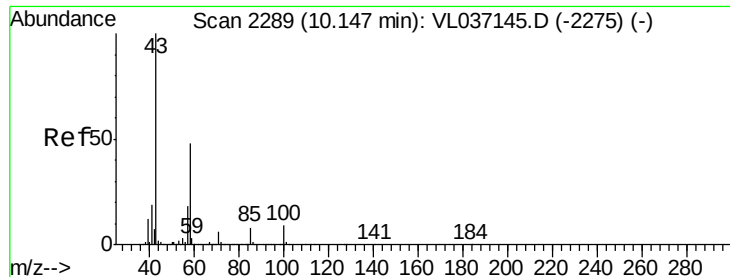
58 35.6 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.373 ppbv m

RT: 10.16 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1433969

Ion Ratio Lower Upper

43 100

58 48.0 40.1 60.1

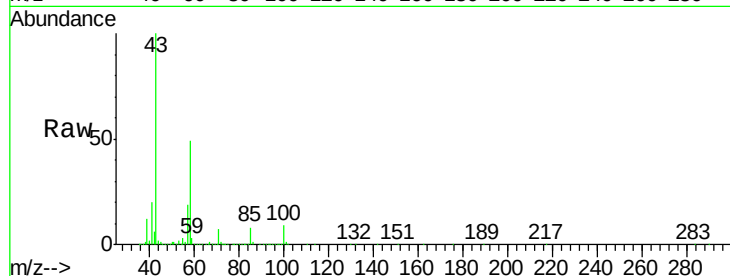
98 0.4 0.2 0.4#

Manual Integrations

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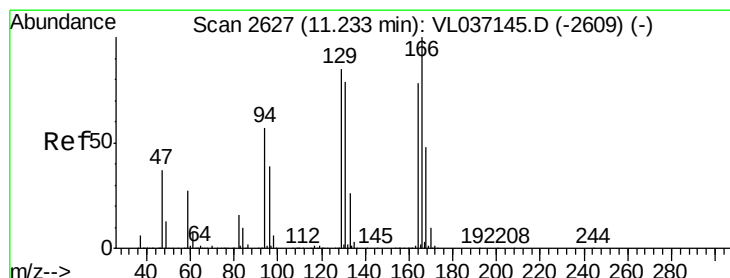
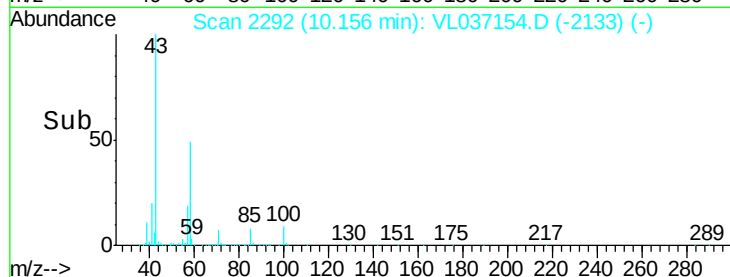
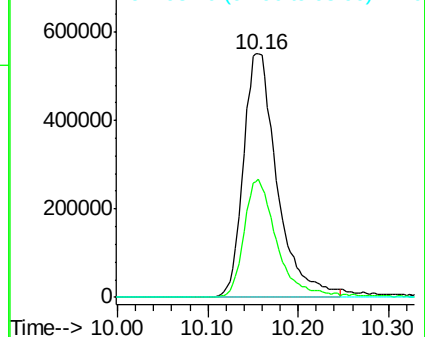
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.471 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tgt Ion:164 Resp: 1571119

Ion Ratio Lower Upper

164 100

166 122.3 102.6 154.0

129 102.7 87.4 131.2

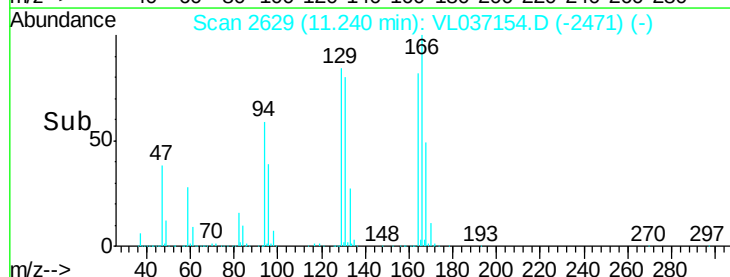
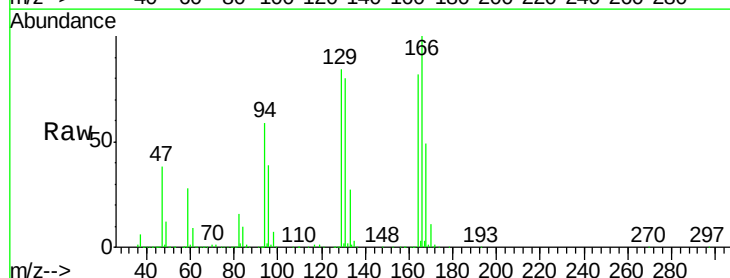
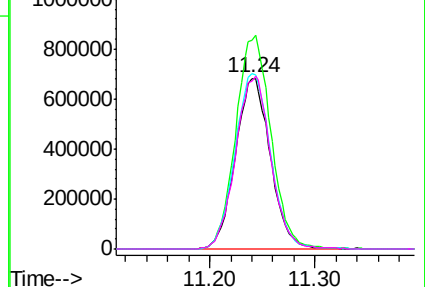
131 98.5 81.4 122.2

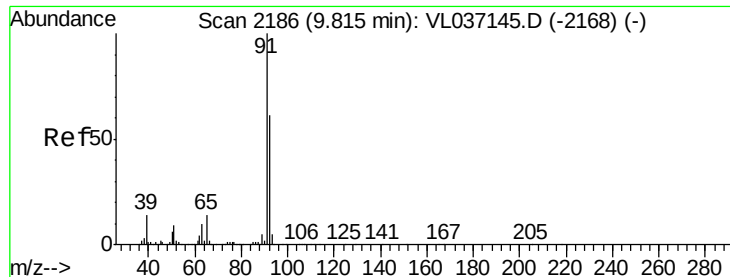
Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.382 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4477427

Ion Ratio Lower Upper

91 100

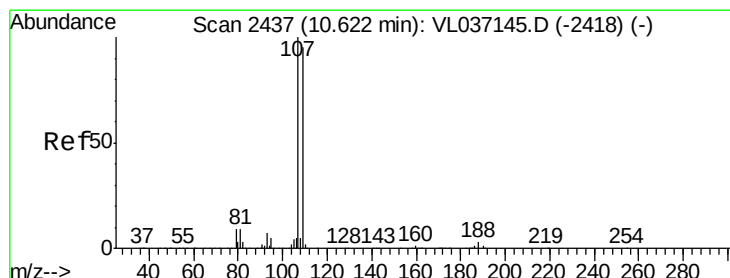
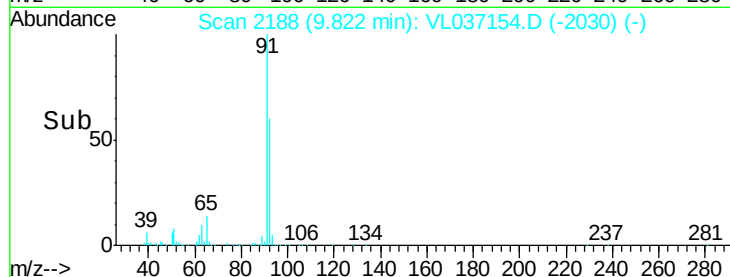
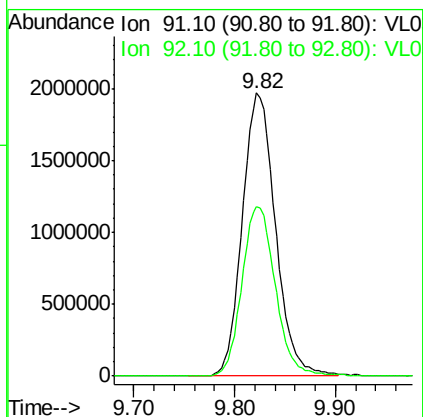
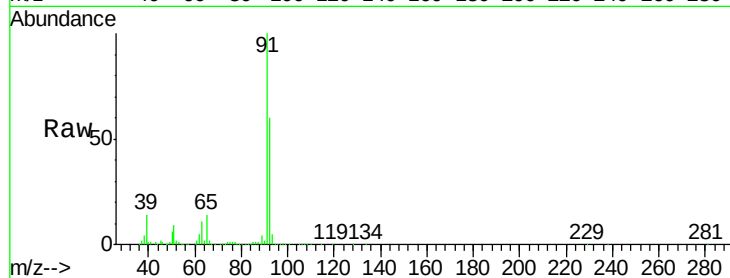
92 60.6 48.6 73.0

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.327 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL037154.D

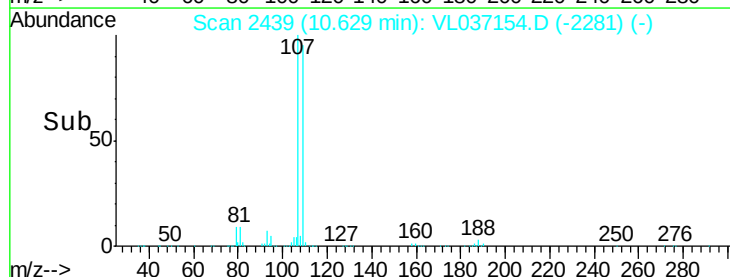
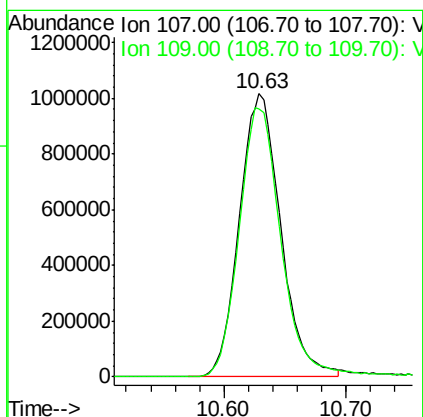
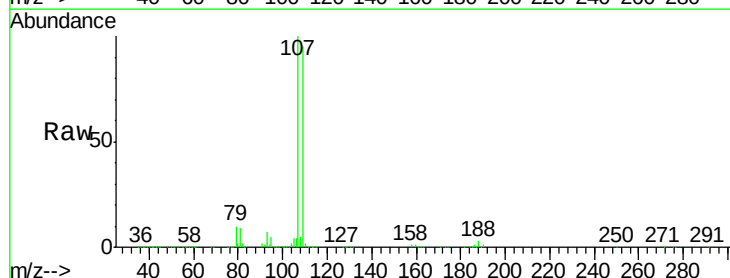
Acq: 15 Jun 2021 9:26

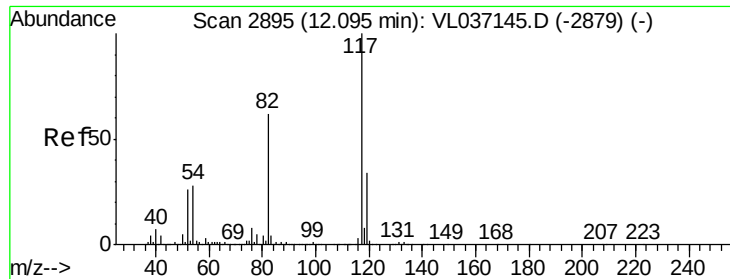
Tgt Ion: 107 Resp: 2375660

Ion Ratio Lower Upper

107 100

109 94.5 75.6 113.4





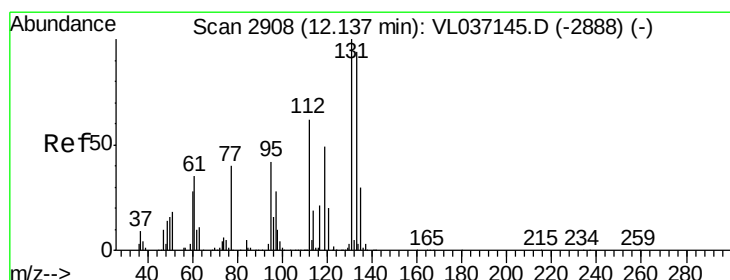
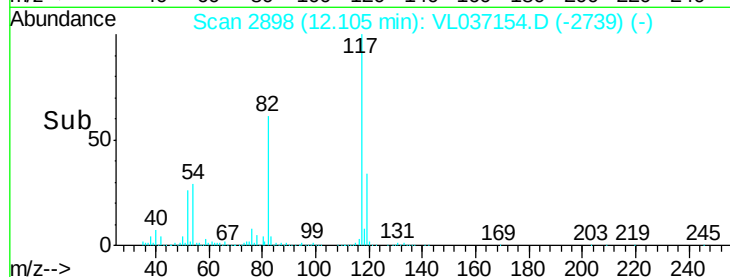
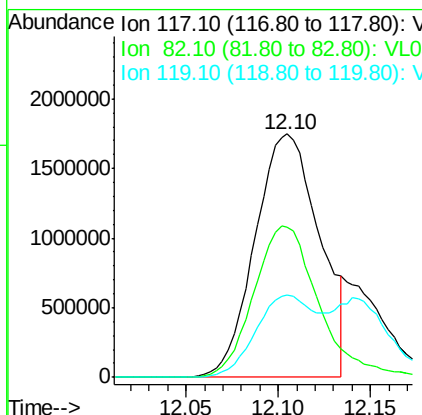
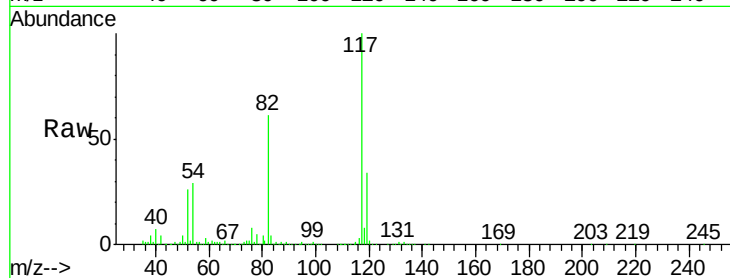
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4260153
Ion Ratio Lower Upper
117 100
82 63.4 50.6 76.0
119 33.6 27.1 40.7

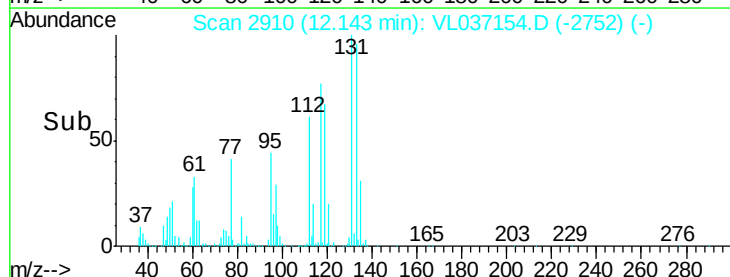
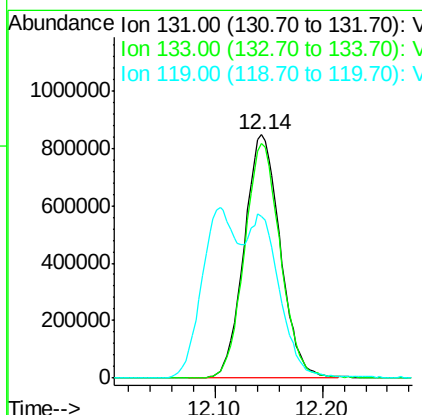
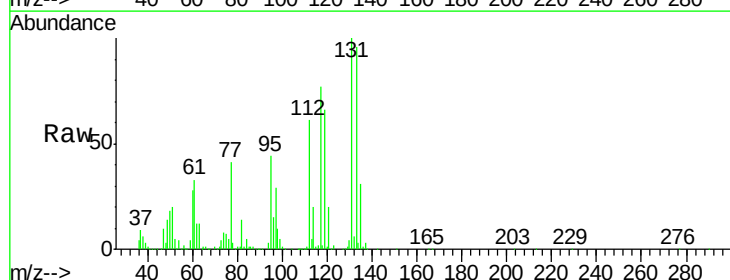
Manual Integrations
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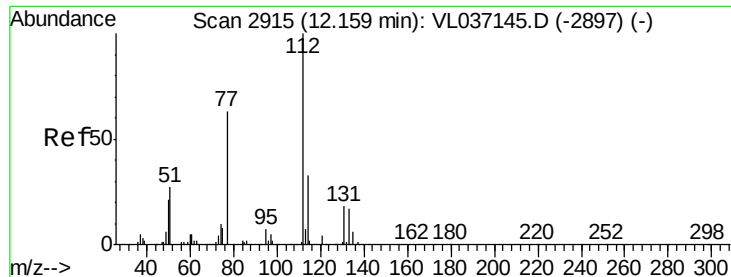
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.583 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion:131 Resp: 1966307
Ion Ratio Lower Upper
131 100
133 96.3 76.7 115.1
119 58.3 50.7 76.1





#57

Chlorobenzene

Concen: 10.025 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 112 Resp: 3422305

Ion Ratio Lower Upper

112 100

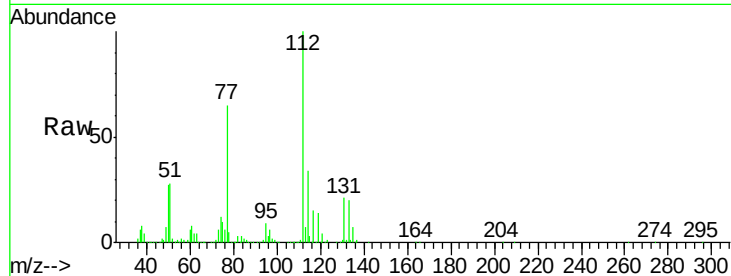
77 64.2 51.4 77.2

114 34.1 29.7 36.3

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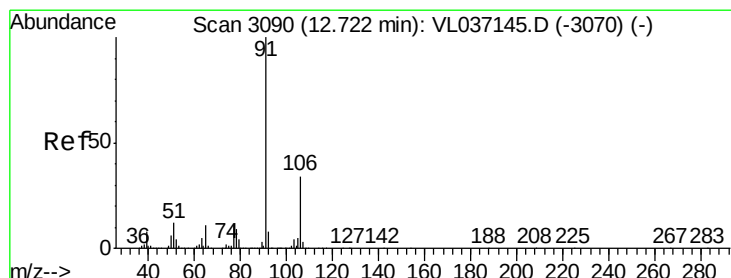
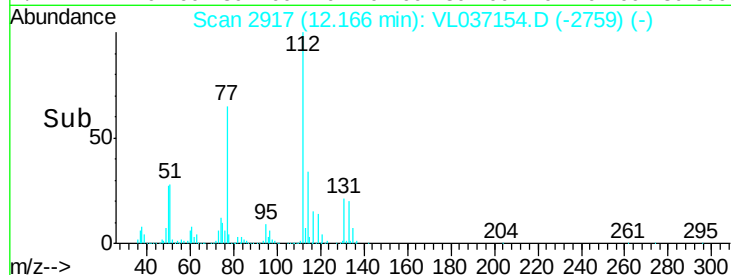
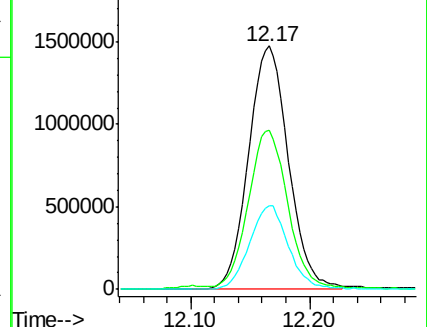
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.384 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.01 min

Lab File: VL037154.D

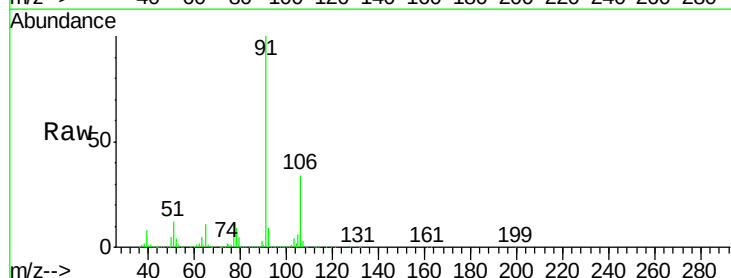
Acq: 15 Jun 2021 9:26

Tgt Ion: 91 Resp: 5992053

Ion Ratio Lower Upper

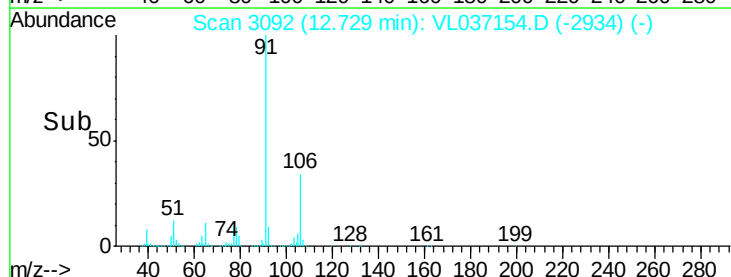
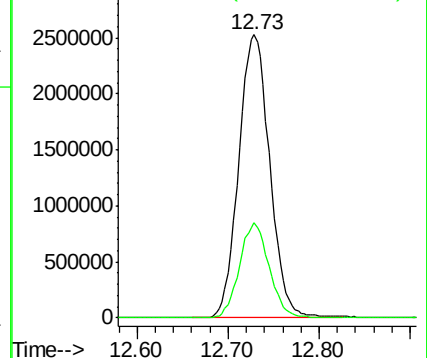
91 100

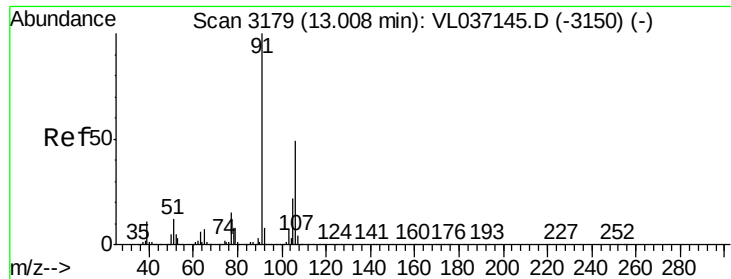
106 33.8 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





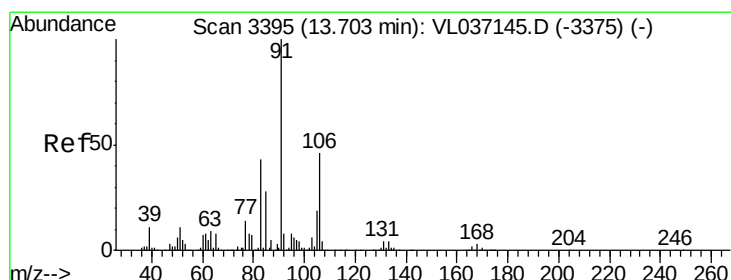
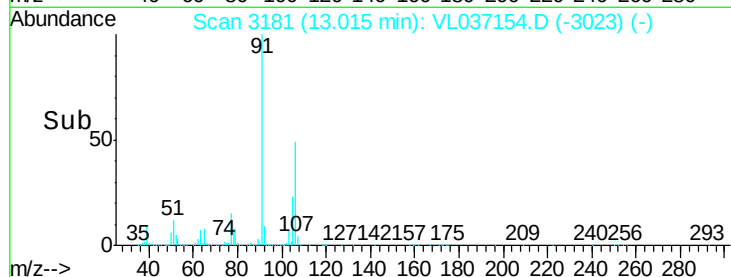
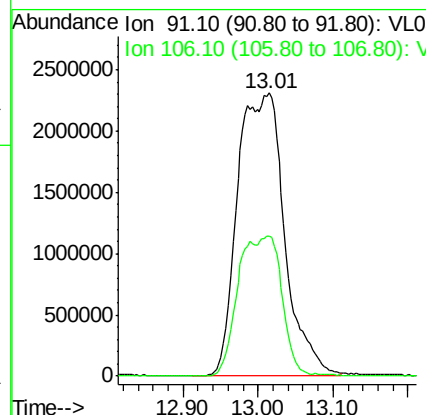
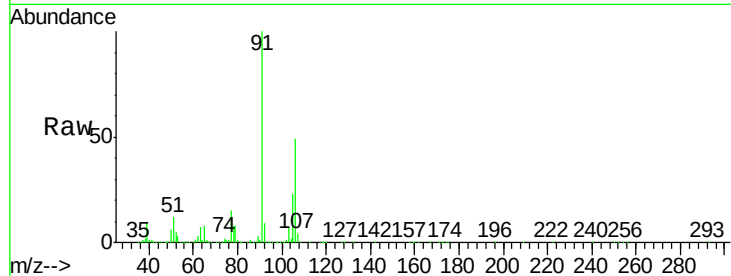
#59
m/p-Xylene
Concen: 20.488 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp:10046953
Ion Ratio Lower Upper
91 100
106 46.1 36.9 55.3

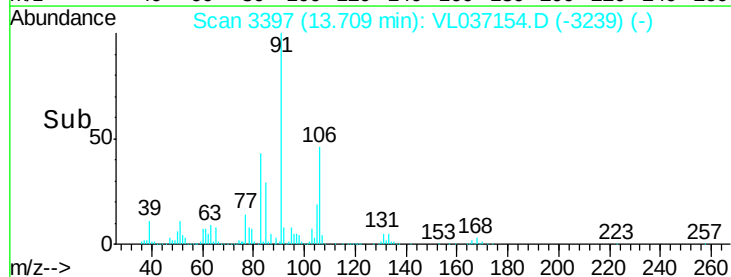
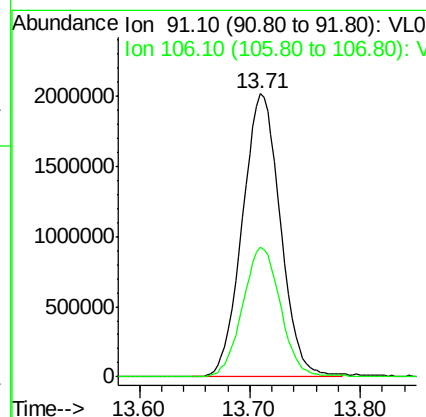
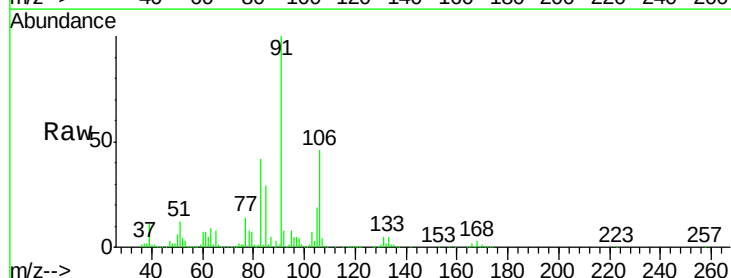
Manual Integrations
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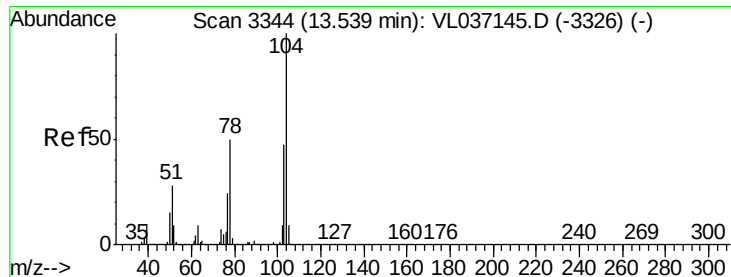
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#60
o-Xylene
Concen: 10.204 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 91 Resp: 4804592
Ion Ratio Lower Upper
91 100
106 45.9 23.1 69.3





#61

Stvrene

Concen: 11.431 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2837365

Ion Ratio Lower Upper

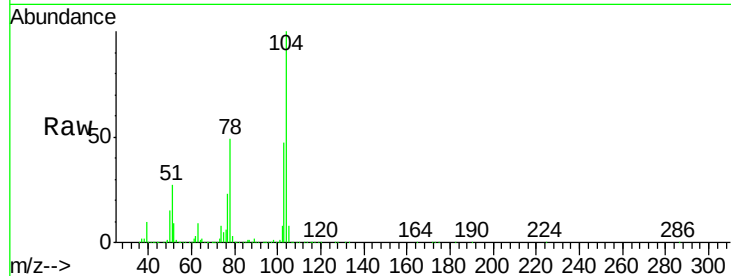
104 100

78 50.2 40.9 61.3

103 48.0 38.6 58.0

Manual Integrations
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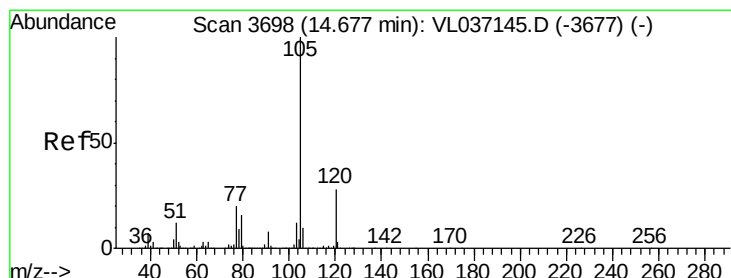
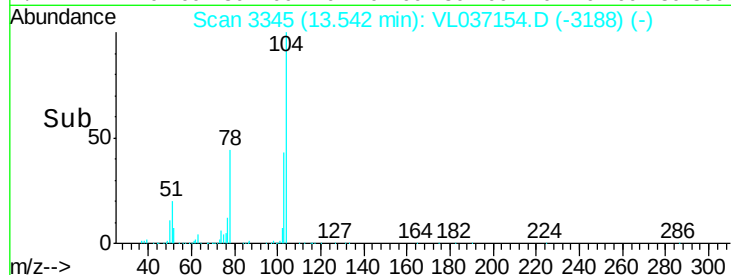
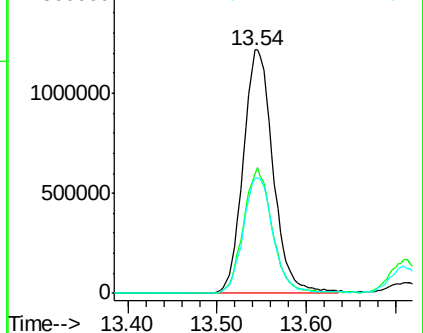
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.018 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.01 min

Lab File: VL037154.D

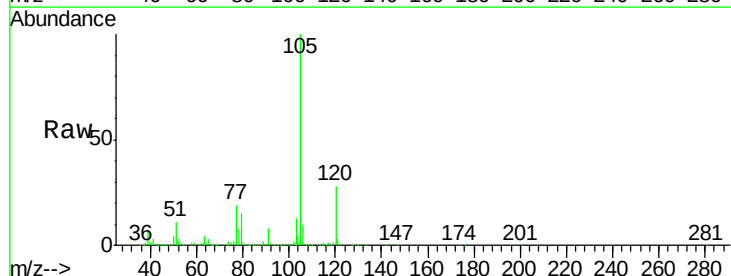
Acq: 15 Jun 2021 9:26

Tgt Ion:105 Resp: 6723288

Ion Ratio Lower Upper

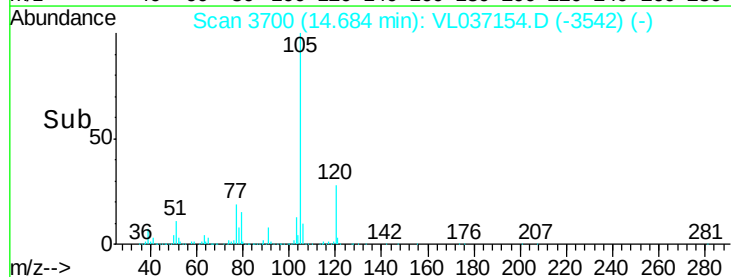
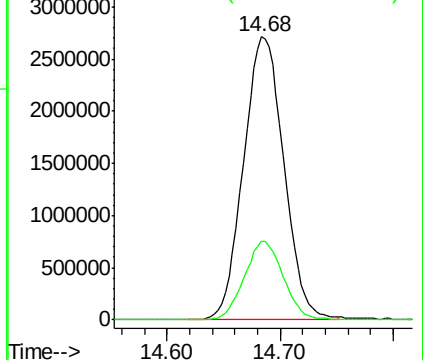
105 100

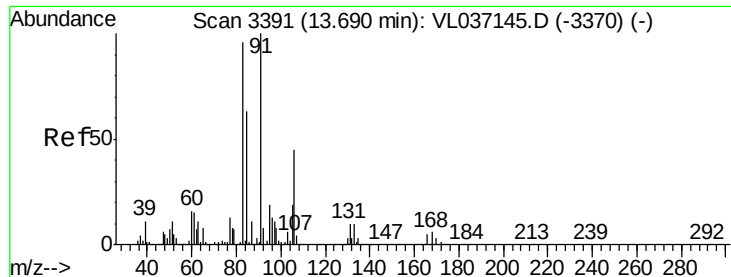
120 27.0 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 10.678 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 3268894

Ion Ratio Lower Upper

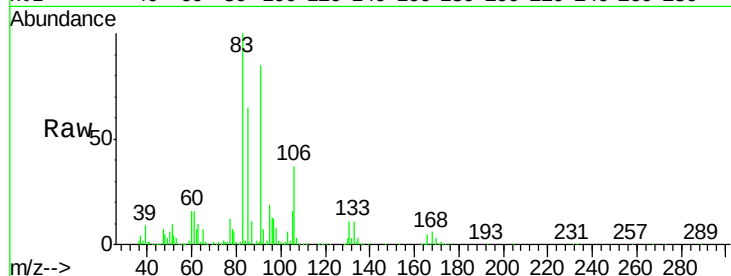
83 100

131 10.9 5.4 16.2

85 66.5 33.3 99.9

Manual Integrations
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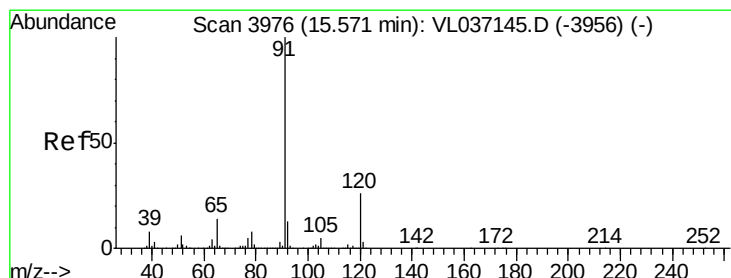
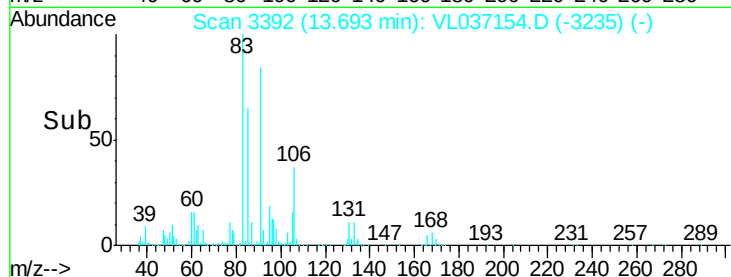
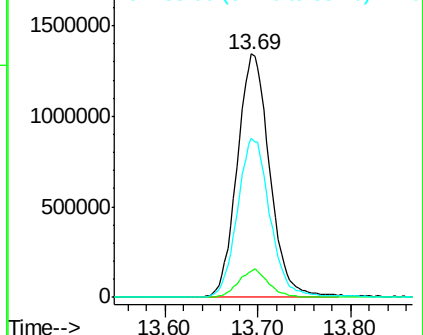
MMDadoda
6/16/2021 5:01:26 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.534 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. 0.01 min

Lab File: VL037154.D

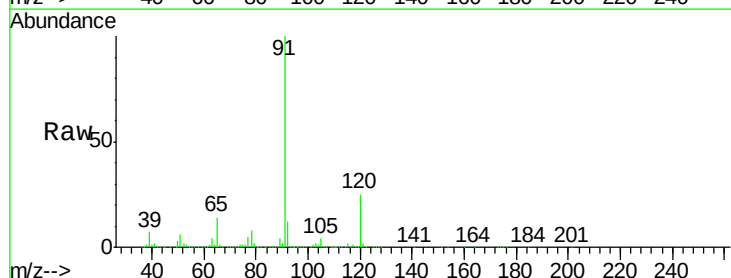
Acq: 15 Jun 2021 9:26

Tgt Ion: 120 Resp: 1803061

Ion Ratio Lower Upper

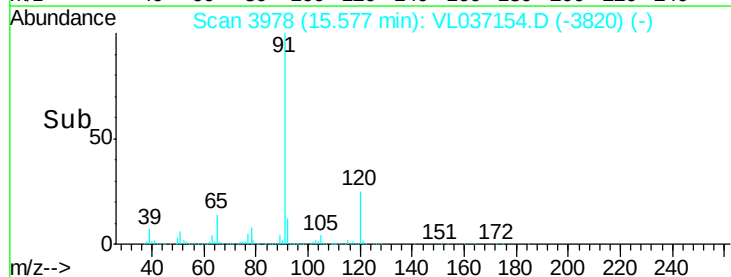
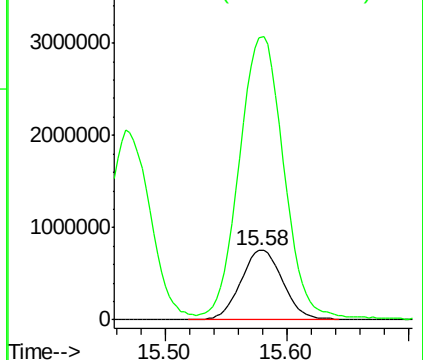
120 100

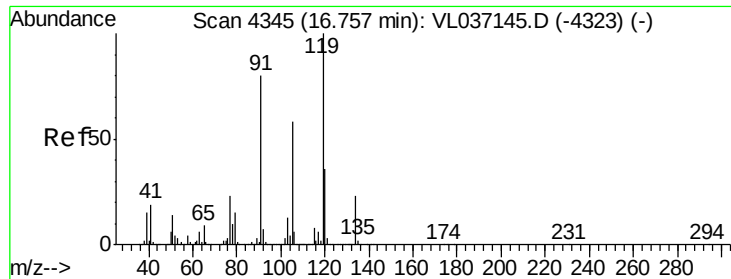
91 432.8 342.2 513.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





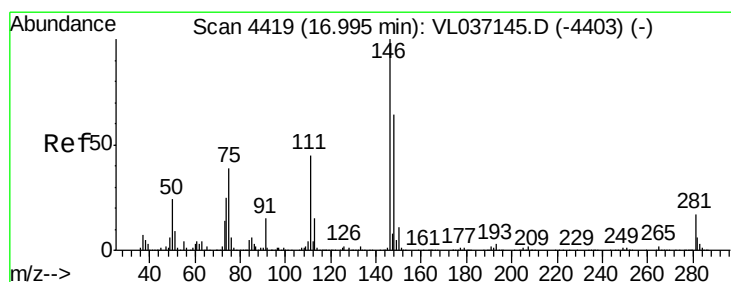
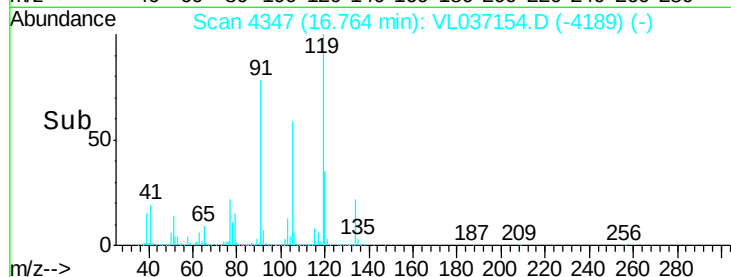
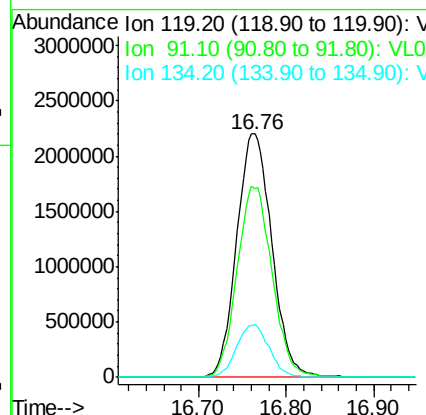
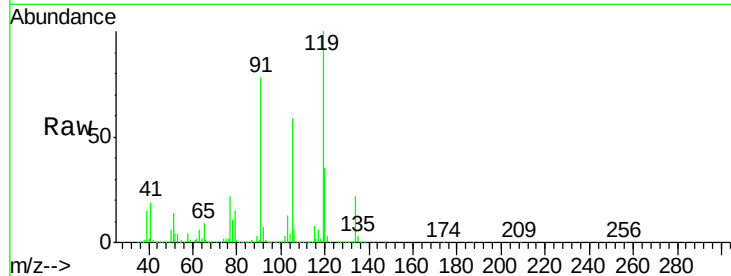
#65
tert-Butylbenzene
Concen: 10.076 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 6128604
Ion Ratio Lower Upper
119 100
91 78.4 62.8 94.2
134 20.4 16.5 24.7

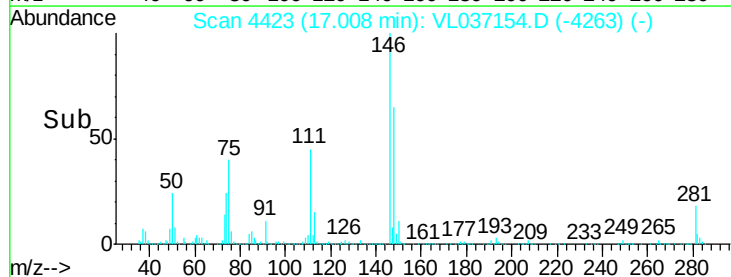
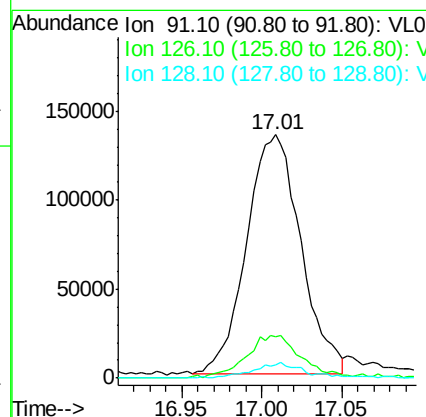
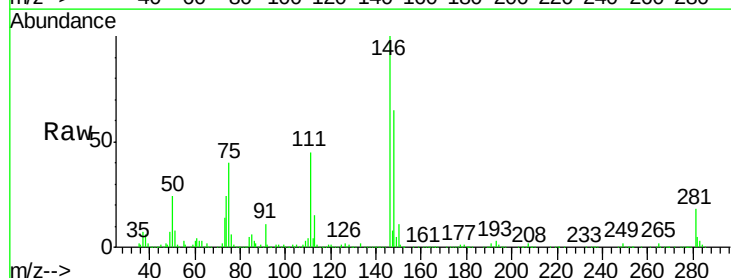
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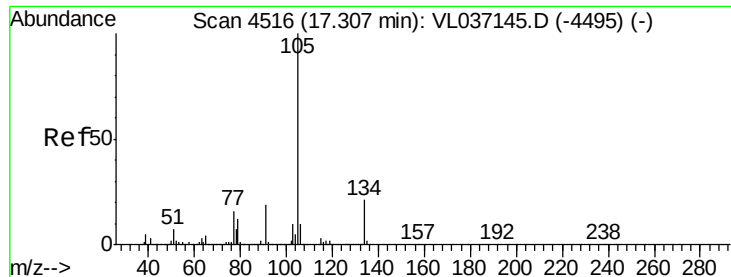
MMDadoda
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#66
Benzyl Chloride
Concen: 11.844 ppbv
RT: 17.01 min Scan# 4423
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion: 91 Resp: 314436
Ion Ratio Lower Upper
91 100
126 19.3 16.4 24.6
128 6.7 5.7 8.5





#67

sec-Butylbenzene

Concen: 10.059 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 8129066

Ion Ratio Lower Upper

105 100

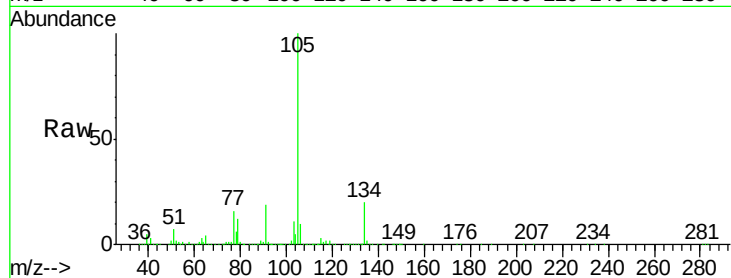
134 19.8 16.0 24.0

Manual Integrations

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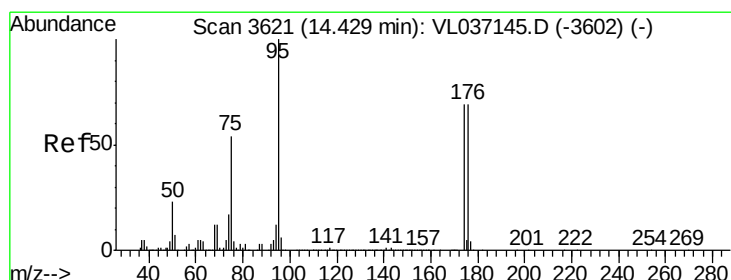
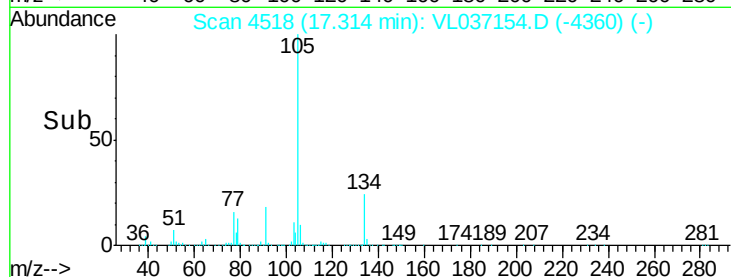
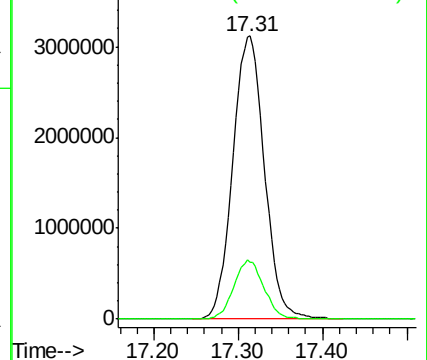
MMDadoda

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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: 10.394 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

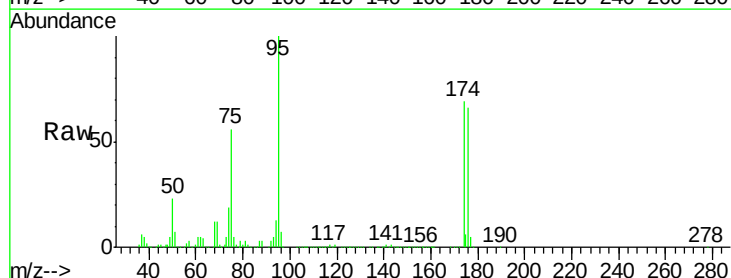
Tgt Ion: 95 Resp: 3261358

Ion Ratio Lower Upper

95 100

174 71.6 57.6 86.4

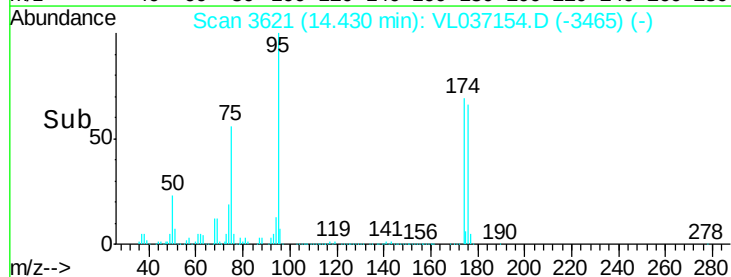
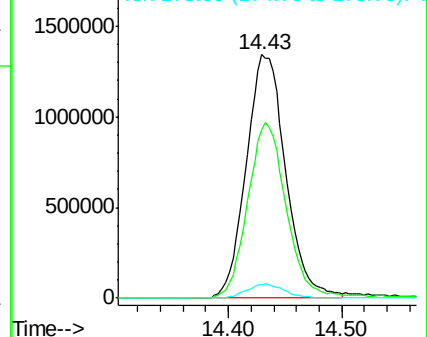
175 5.6 4.4 6.6

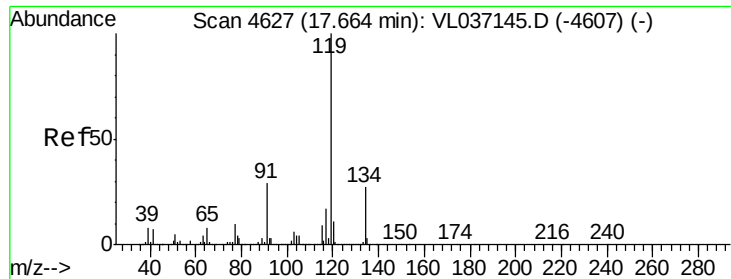


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





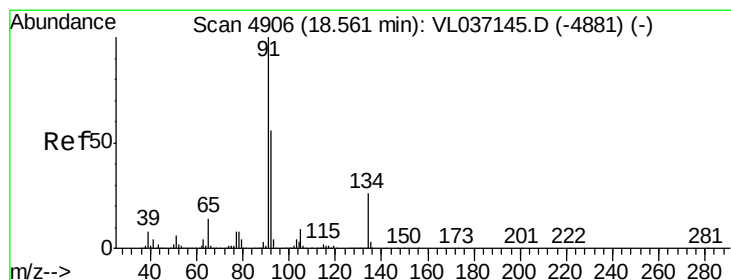
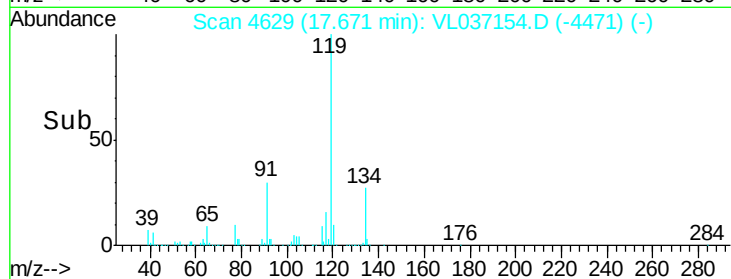
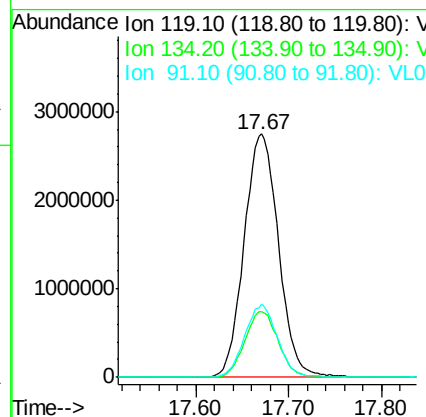
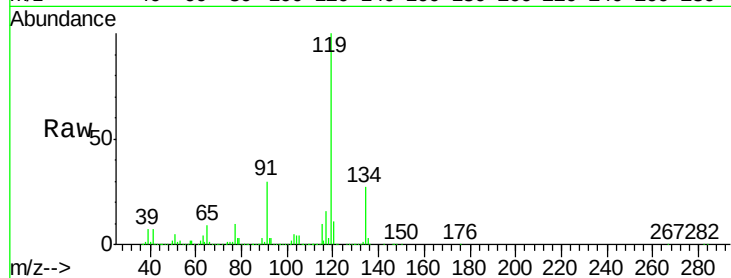
#69
 p-Isopropyltoluene
 Concen: 10.447 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.2	31.8
91	28.7	22.9	34.3

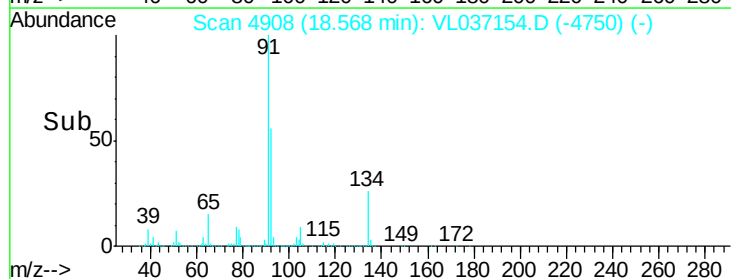
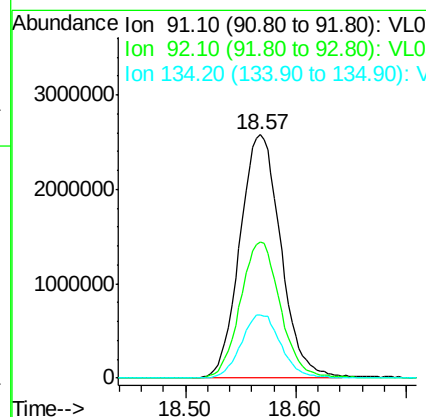
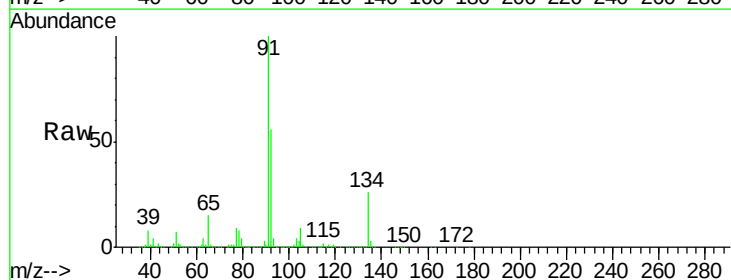
Manual Integrations
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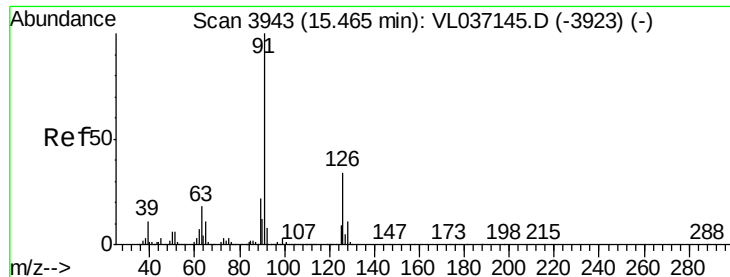
MMDadoda
 6/16/2021 5:01:26 PM



#70
 n-Butylbenzene
 Concen: 10.697 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.0	66.0
134	25.5	20.4	30.6





#71

2-Chlorotoluene

Concen: 10.335 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4947624

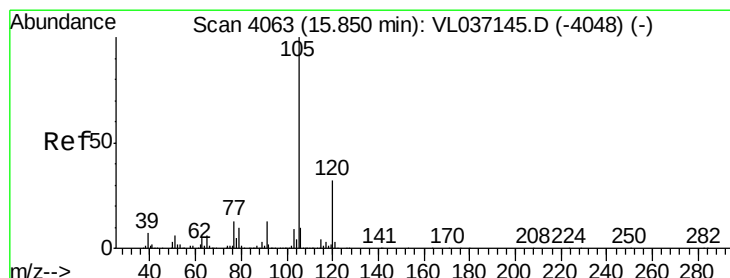
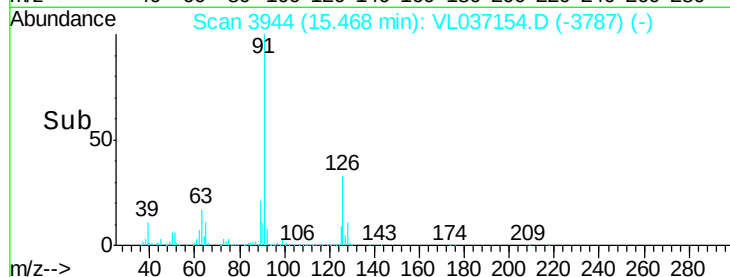
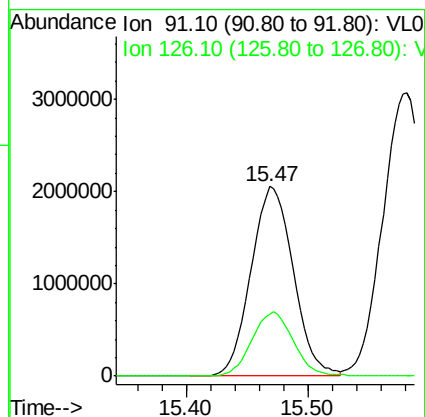
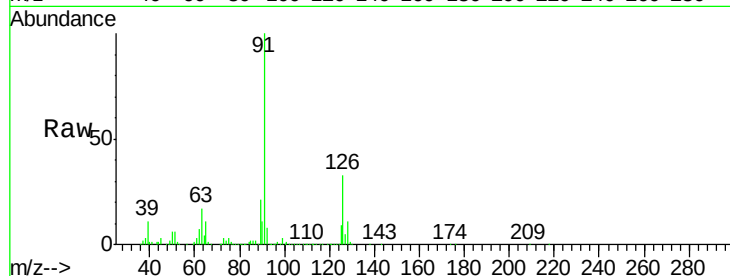
Ion Ratio Lower Upper

91 100

126 33.8 13.4 53.6

Manual Integrations
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#72

4-Ethyltoluene

Concen: 10.840 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tgt Ion: 105 Resp: 5929116

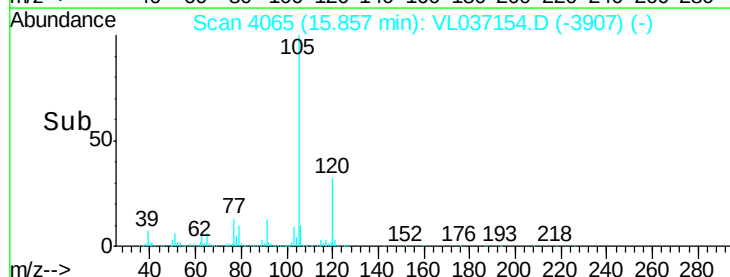
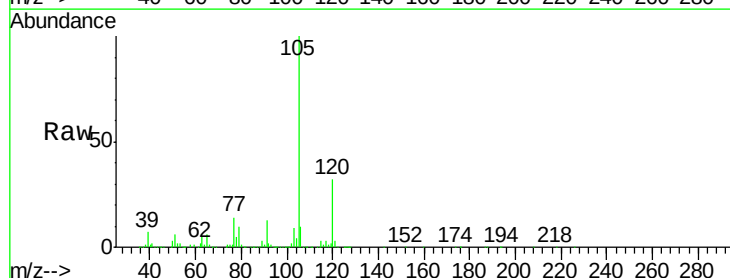
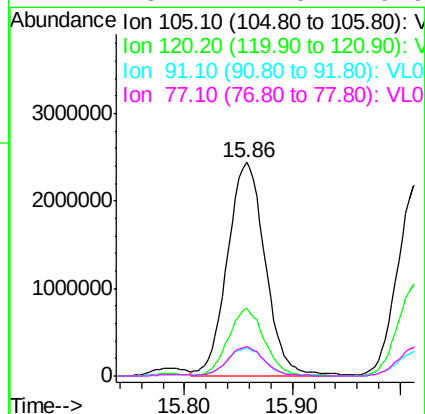
Ion Ratio Lower Upper

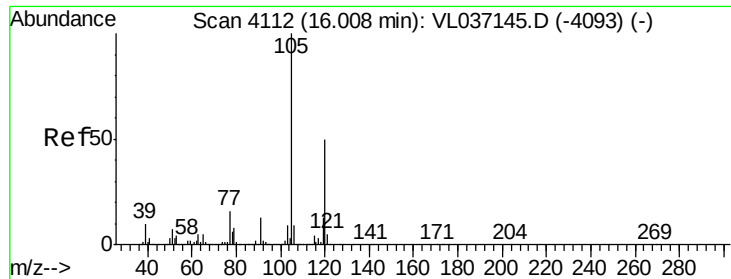
105 100

120 30.7 25.1 37.7

91 12.8 10.3 15.5

77 13.4 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 10.324 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.01 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 5355563

Ion Ratio Lower Upper

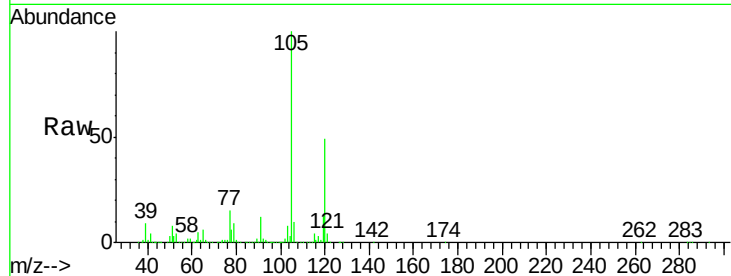
105 100

120 48.8 39.7 59.5

Manual Integrations
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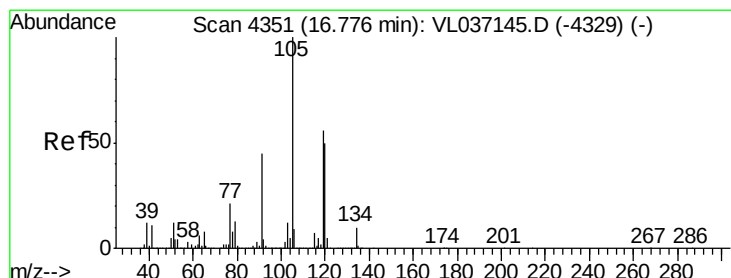
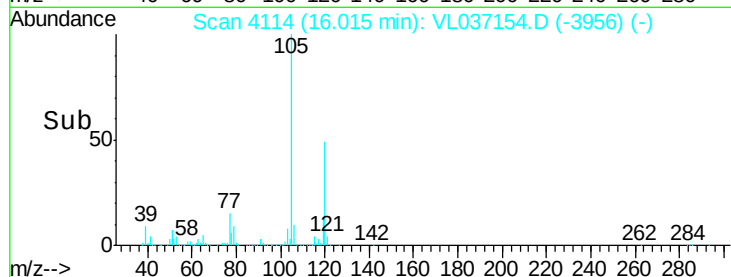
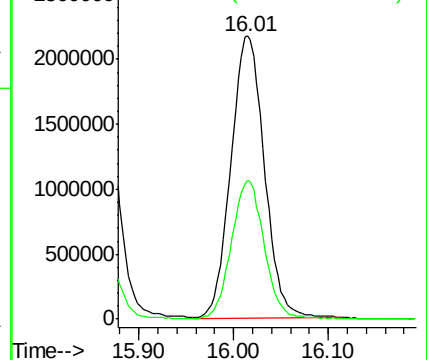
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.461 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL037154.D

Acq: 15 Jun 2021 9:26

Tgt Ion:105 Resp: 5521900

Ion Ratio Lower Upper

105 100

120 50.1 39.7 59.5

91 51.4 35.8 53.8

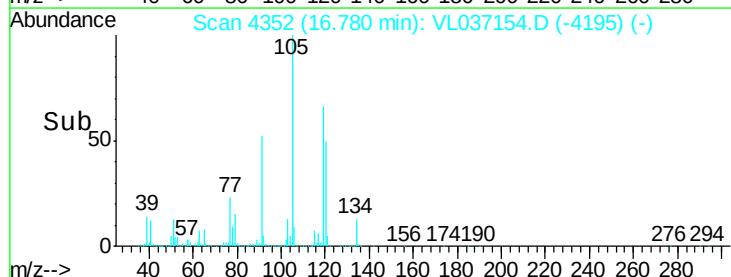
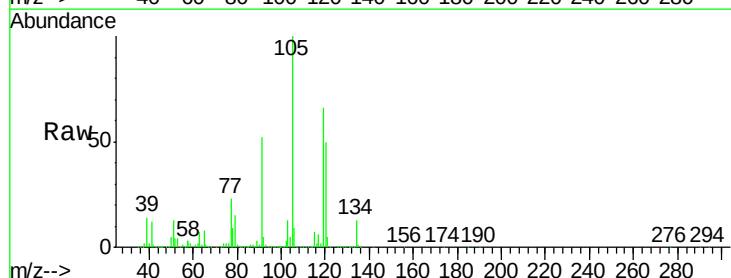
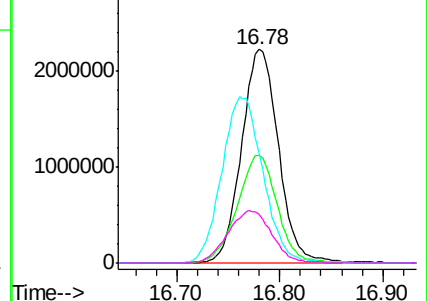
77 22.5 16.7 25.1

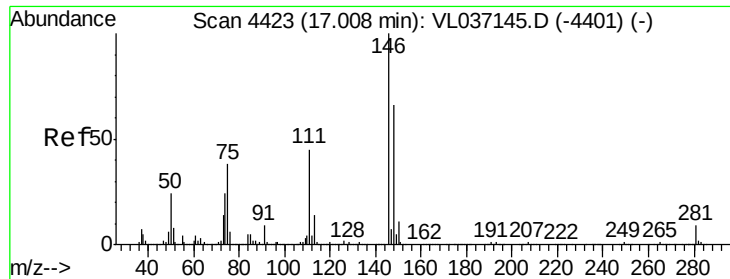
Abundance Ion 105.10 (104.80 to 105.80): V

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





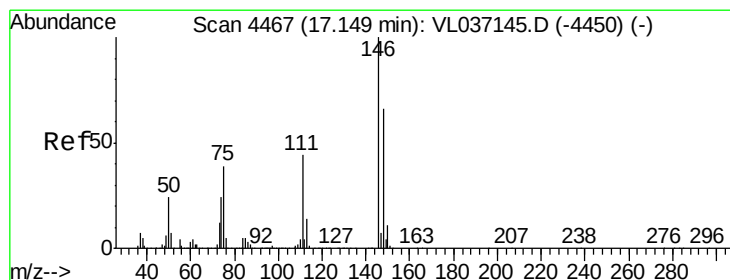
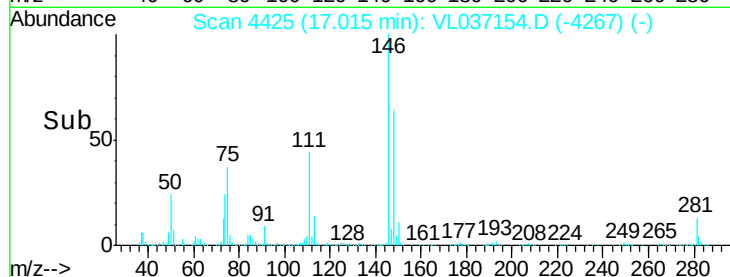
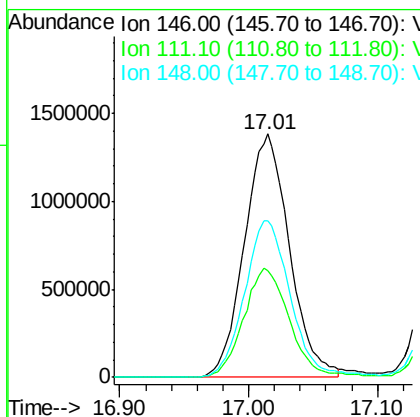
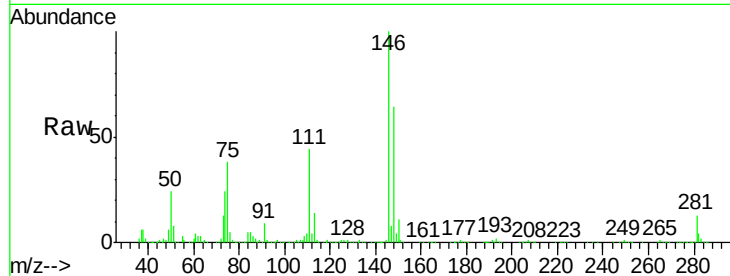
#75
 1,3-Dichlorobenzene
 Concen: 10.316 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 3352761
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.4 67.2
 148 65.8 32.3 96.9

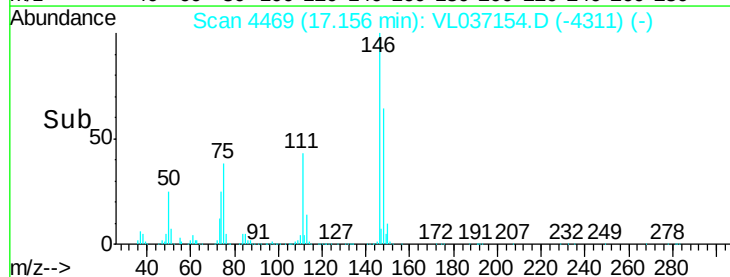
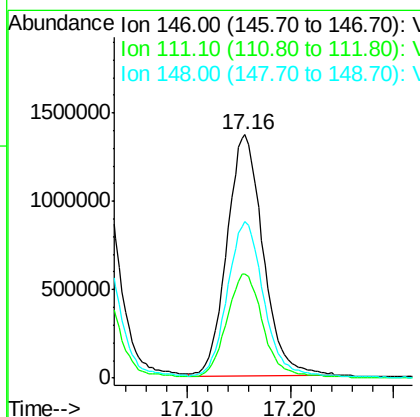
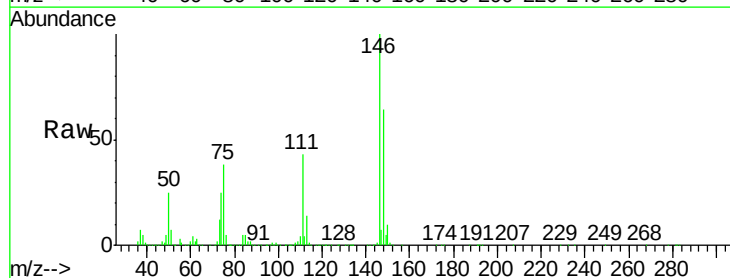
Manual Integrations
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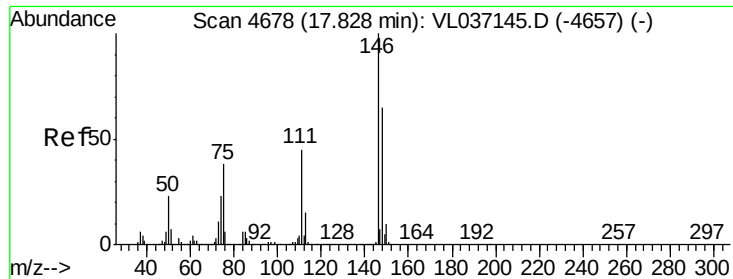
MMDadoda
 6/16/2021 5:01:26 PM



#76
 1,4-Dichlorobenzene
 Concen: 10.351 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Tgt Ion:146 Resp: 3341436
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.9 65.5
 148 66.6 32.4 97.0





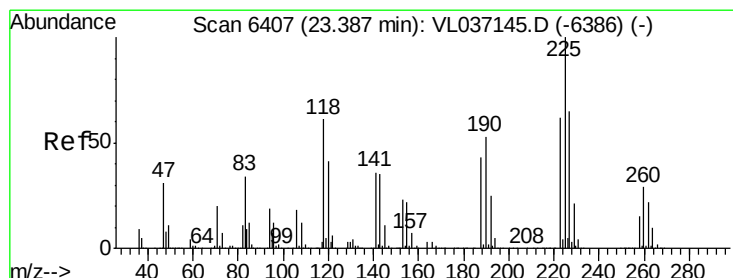
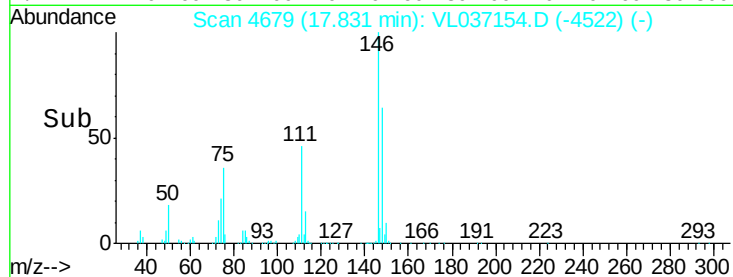
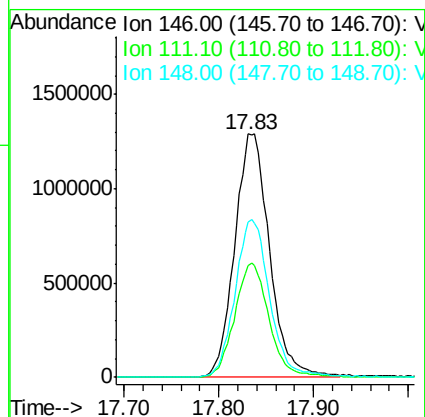
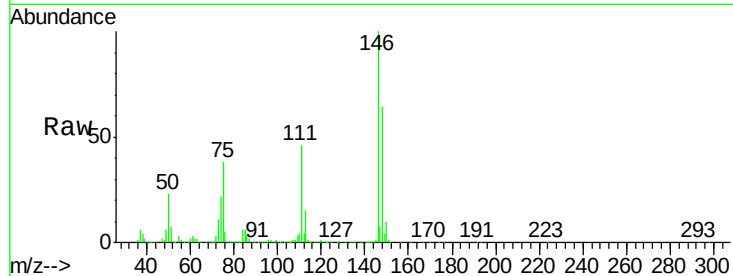
#77
 1,2-Dichlorobenzene
 Concen: 10.258 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. 0.00 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.1	69.3
148	64.2	32.5	97.5

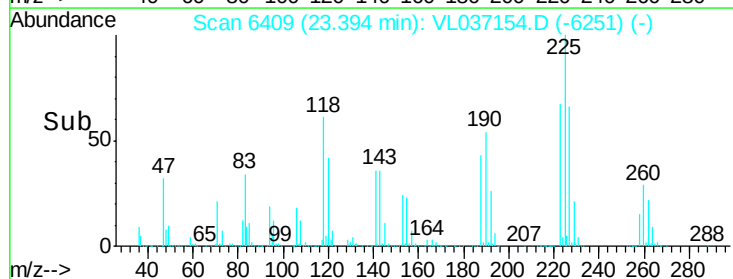
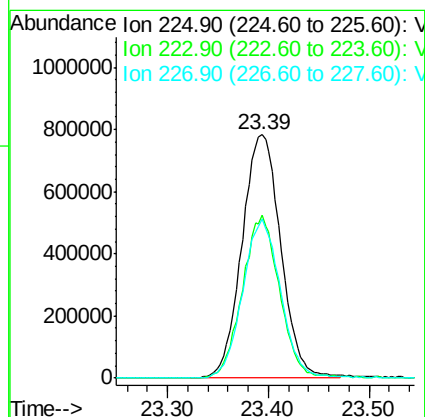
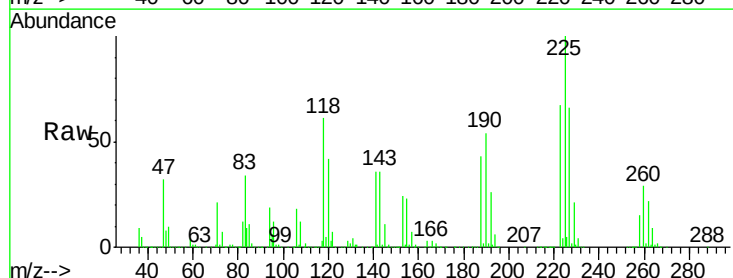
Manual Integrations
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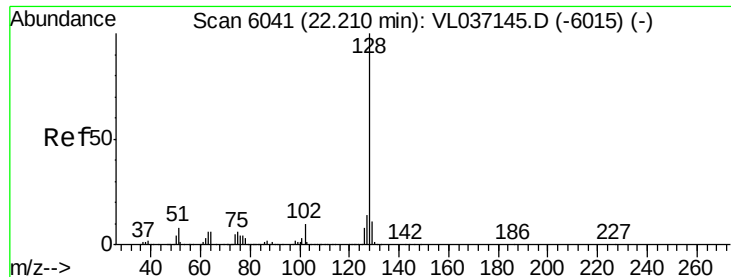
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.207 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	52.2	78.2
227	64.1	51.5	77.3





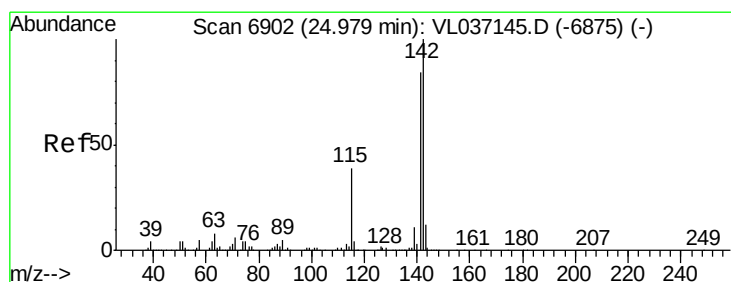
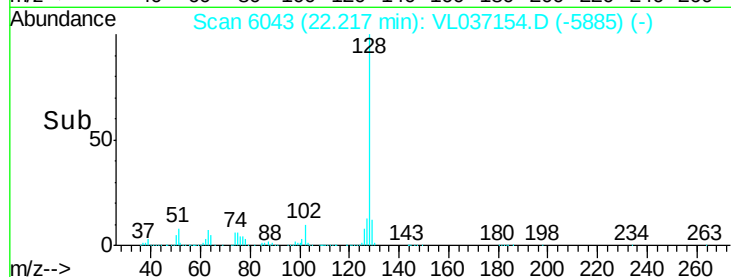
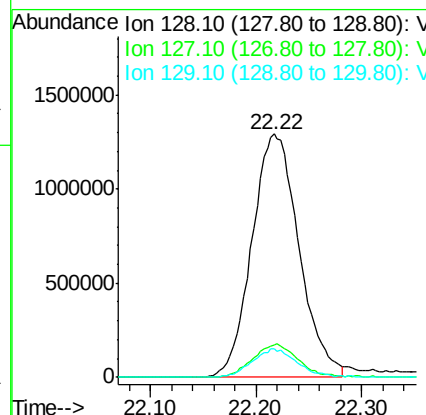
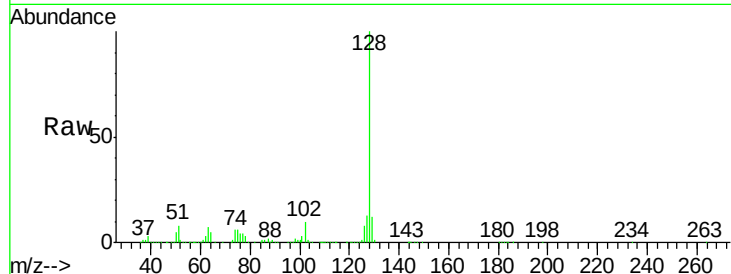
#79
Naphthalene
Concen: 12.608 ppbv
RT: 22.22 min Scan# 6043
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.9	16.3
129	11.7	9.0	13.4

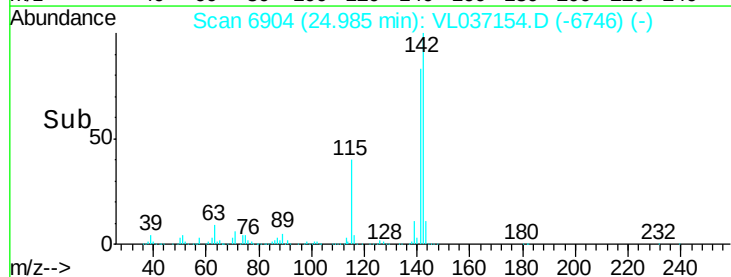
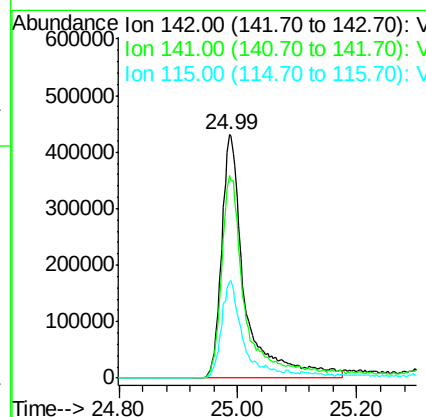
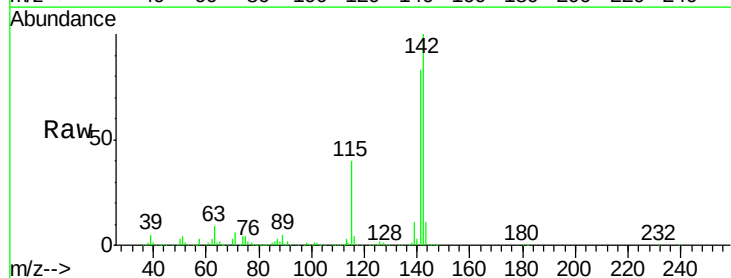
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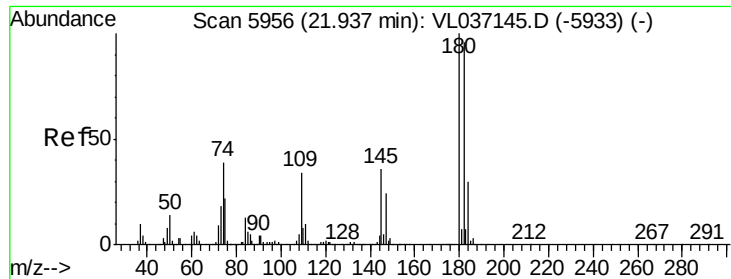
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#80
Naphthalene, 2-methyl-
Concen: 15.349 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. 0.01 min
Lab File: VL037154.D
Acq: 15 Jun 2021 9:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.0	66.7	100.1
115	37.5	32.2	48.2





#81
 1,2,4-Trichlorobenzene
 Concen: 11.637 ppbv m
 RT: 21.95 min Scan# 5959
 Delta R.T. 0.01 min
 Lab File: VL037154.D
 Acq: 15 Jun 2021 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.8	79.8	119.6
184	30.7	25.1	37.7

Manual Integrations
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