

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070221\
 Data File : VL037267.D
 Acq On : 2 Jul 2021 9:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/6/2021 6:44:20 PM

Quant Time: Jul 02 14:52:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1322777	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	3895625	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3427564m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2874398	11.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2280115	9.911 ppbv	98
3) Chlorodifluoromethane	3.00	51	2281531	8.870 ppbv	99
4) Chloromethane	3.15	50	776358	9.057 ppbv	96
5) Vinyl Chloride	3.27	62	849505	9.017 ppbv	100
6) Bromomethane	3.48	94	486190	8.650 ppbv	96
7) Chloroethane	3.57	64	315357	9.364 ppbv	94
8) Dichlorotetrafluoroethane	3.20	85	2199757	9.321 ppbv	98
9) Propene	3.02	41	709828	8.631 ppbv	100
10) Heptane	8.14	43	1867066	9.374 ppbv	99
11) Trichlorofluoromethane	3.96	101	2358209	9.607 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1665431	9.625 ppbv	99
13) Ethanol	3.62	45	84823	6.667 ppbv	54
14) Bromoethene	3.75	108	698537	9.672 ppbv	99
15) Acetone	3.86	43	1155782	7.748 ppbv	98
16) 1,3-Butadiene	3.34	39	839557	9.521 ppbv	100
17) tert-Butyl alcohol	4.30	59	1338677	9.710 ppbv	100
18) 1,1-Dichloroethene	4.30	96	740349	9.655 ppbv	97
19) Isopropyl Alcohol	3.98	45	761397	8.427 ppbv	100
20) Methylene Chloride	4.36	84	657213	7.359 ppbv	98
21) Allyl Chloride	4.42	41	1068159	9.500 ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	748718	9.868 ppbv	99
23) Vinyl Acetate	5.09	43	2107212	9.852 ppbv	98
24) 1,1-Dichloroethane	5.02	63	1694310	9.839 ppbv	99
25) Ethyl Acetate	5.69	43	2987207	9.250 ppbv	99
26) Hexane	5.70	57	1418617	8.692 ppbv	99
27) Carbon Disulfide	4.56	76	1749282	10.939 ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1890653	9.635 ppbv	99
29) Chloroform	5.77	83	2347559	9.311 ppbv	97
30) Cyclohexane	7.15	84	1245179	9.156 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1438397	9.591 ppbv	100
32) 1,1,1-Trichloroethane	6.53	97	2456370	9.105 ppbv	100
34) 2-Butanone	5.26	43	1387816	9.160 ppbv	98
35) Carbon Tetrachloride	7.04	117	2627335	10.055 ppbv	99
36) Benzene	6.91	78	2931453	9.306 ppbv	98
37) 1,2-Dichloroethane	6.32	62	1800918	9.841 ppbv	99
38) Trichloroethene	7.85	130	1266617	8.459 ppbv	98
39) 1,2-Dichloropropane	7.63	63	1115498	9.530 ppbv	99
40) 1,4-Dioxane	7.85	88	293745	9.151 ppbv	82
41) Tetrahydrofuran	6.07	42	682896	9.704 ppbv	99
42) Bromodichloromethane	7.81	83	2524853	10.001 ppbv	99
43) Methyl Methacrylate	8.03	69	1079549	9.923 ppbv	98

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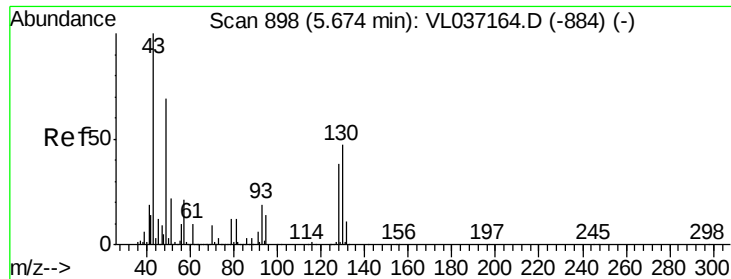
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4874418	9.189	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	916955	9.553	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1184627	9.022	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1260930	9.442	ppbv	98
48) Dibromochloromethane	10.33	129	2284344	10.836	ppbv	99
49) Bromoform	13.06	173	1872023	11.919	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2067592	9.936	ppbv	99
51) 2-Hexanone	10.16	43	1024510	10.119	ppbv #	100
52) Tetrachloroethene	11.24	164	1209357	8.262	ppbv	97
53) Toluene	9.83	91	3521777	9.359	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1871807	9.753	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1553414	10.366	ppbv #	61
57) Chlorobenzene	12.17	112	2687668	9.669	ppbv	97
58) Ethyl Benzene	12.73	91	4743962	10.054	ppbv	98
59) m/p-Xylene	13.02	91	8040156m	20.107	ppbv	
60) o-Xylene	13.71	91	3831785	10.064	ppbv	99
61) Styrene	13.55	104	2120343	10.790	ppbv	97
62) Isopropylbenzene	14.69	105	5386843	9.950	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2600512	10.258	ppbv	100
64) n-propylbenzene	15.58	120	1408044	10.385	ppbv	93
65) tert-Butylbenzene	16.77	119	4906743	10.218	ppbv	99
66) Benzyl Chloride	17.01	91	216505	10.640	ppbv	98
67) sec-Butylbenzene	17.31	105	6527264	10.194	ppbv	99
69) p-Isopropyltoluene	17.67	119	5597281	10.349	ppbv	99
70) n-Butylbenzene	18.57	91	5224222	10.437	ppbv	99
71) 2-Chlorotoluene	15.47	91	3922829	10.363	ppbv	98
72) 4-Ethyltoluene	15.86	105	4515729	10.440	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4226439	10.109	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	4408497	10.233	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2611663	9.970	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2496933	9.544	ppbv	100
77) 1,2-Dichlorobenzene	17.84	146	2506896	9.893	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1534216m	7.042	ppbv	
79) Naphthalene	22.22	128	2831385	7.883	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	588071	6.243	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	1663976	8.028	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

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VSTDCCC010

Tot Ion: 49 Resp: 1322777

Ion Ratio Lower Upper

49 100

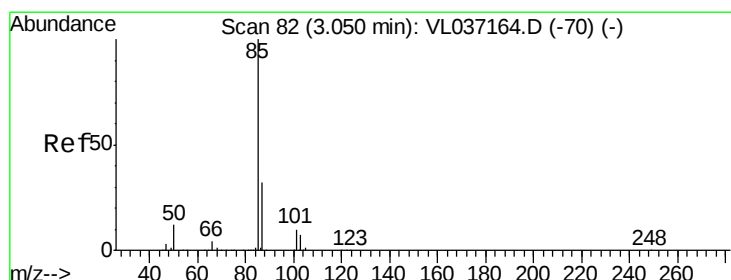
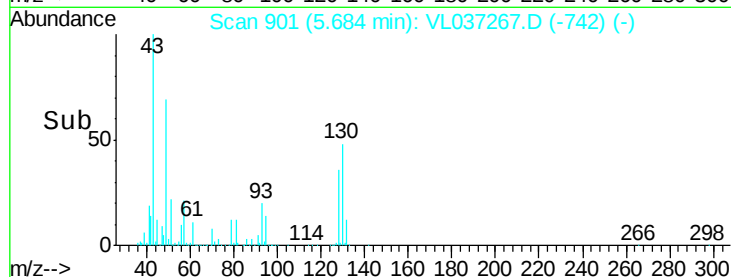
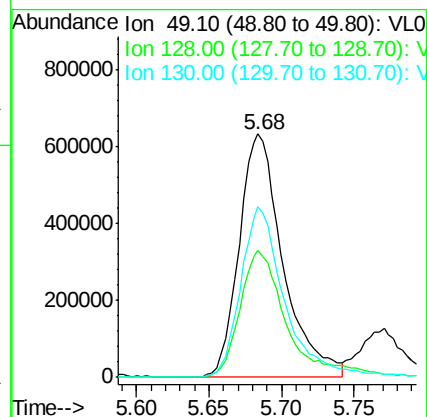
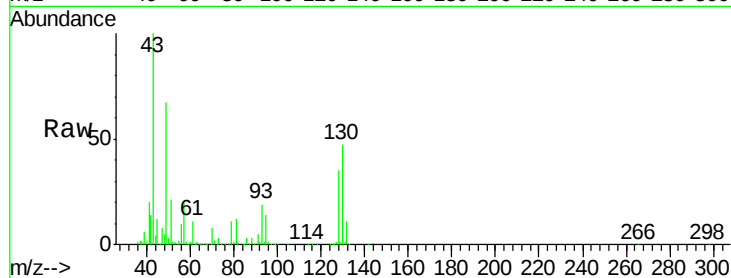
128 57.4 29.3 88.0

130 72.1 35.9 107.8

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#2

Dichlorodifluoromethane

Concen: 9.911 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037267.D

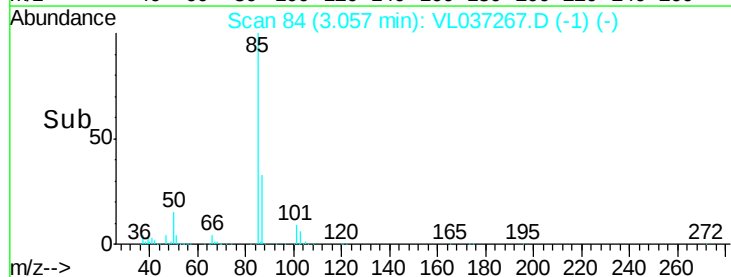
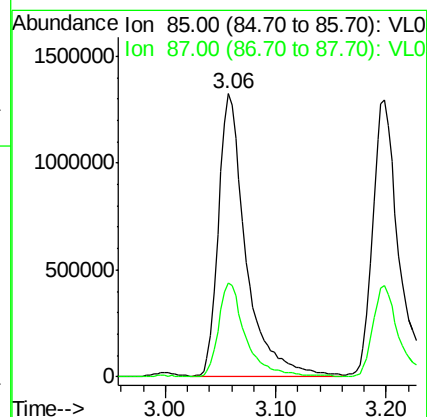
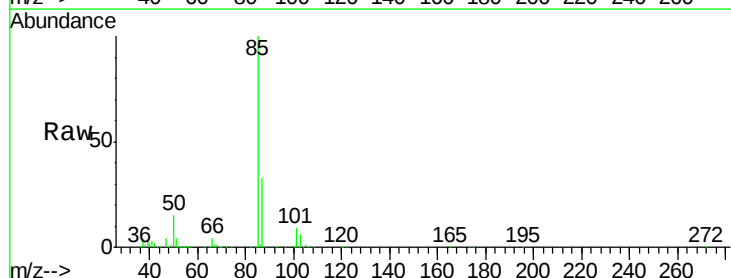
Acq: 2 Jul 2021 9:08

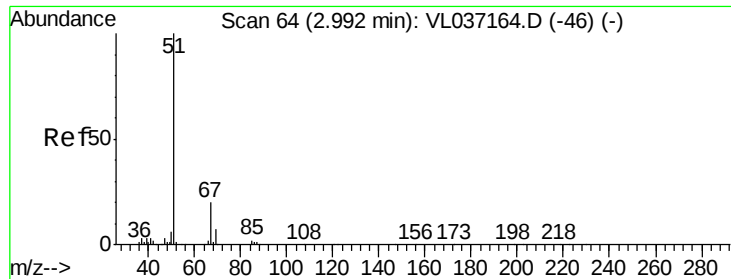
Tgt Ion: 85 Resp: 2280115

Ion Ratio Lower Upper

85 100

87 33.3 25.8 38.6





#3

Chlorodifluoromethane

Concen: 8.870 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Tot Ion: 51 Resp: 2281531

Ion Ratio Lower Upper

51 100

67 20.0 15.8 23.6

Instrument :

MSVOA_L

ClientSampleId :

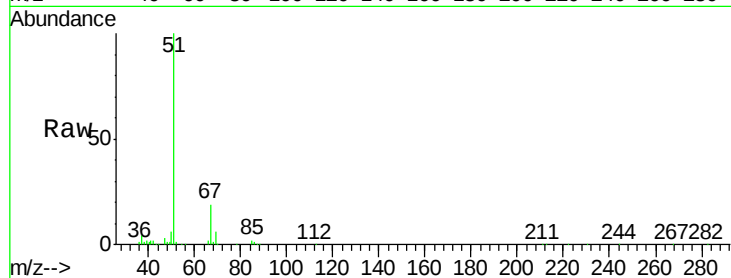
VSTDCCC010

Manual Integrations

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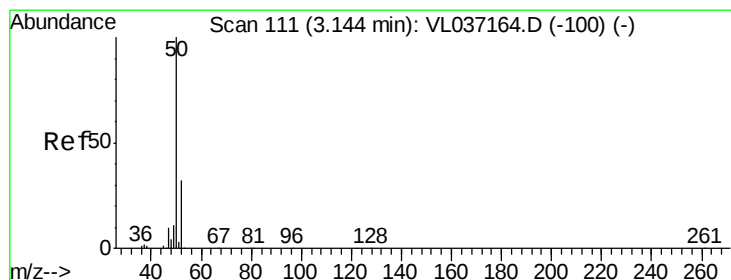
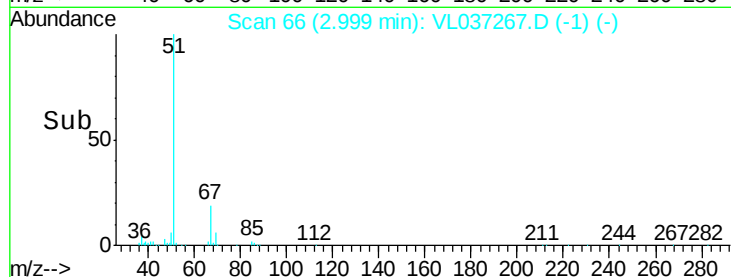
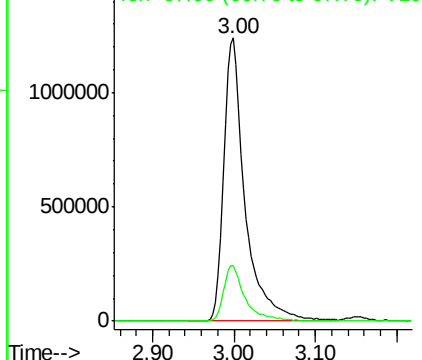
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.057 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL037267.D

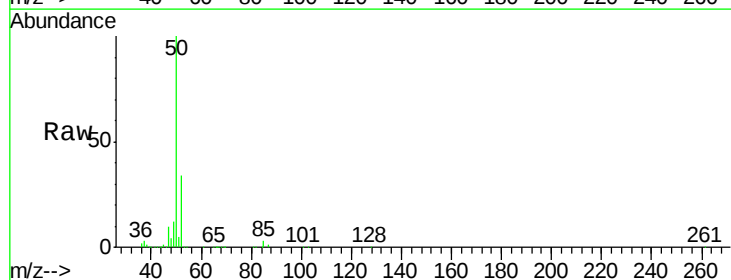
Acq: 2 Jul 2021 9:08

Tgt Ion: 50 Resp: 776358

Ion Ratio Lower Upper

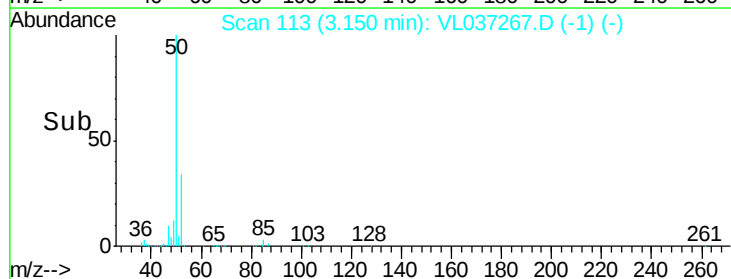
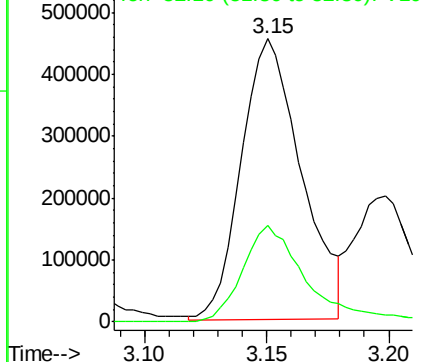
50 100

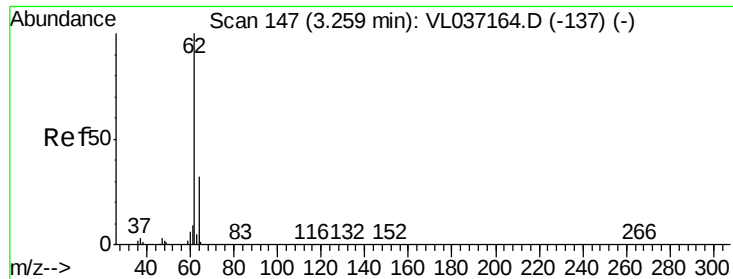
52 34.5 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.017 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 849505

Ion Ratio Lower Upper

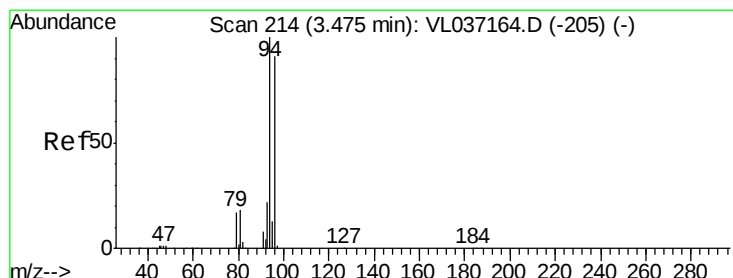
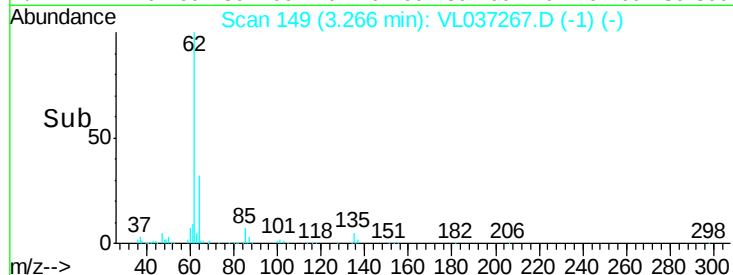
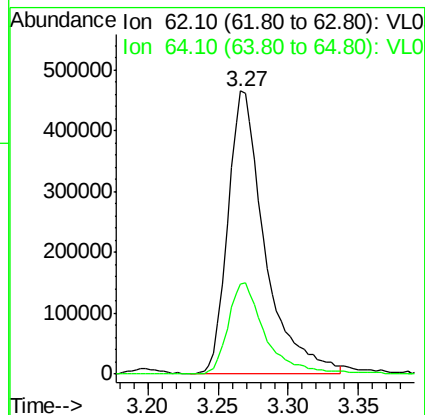
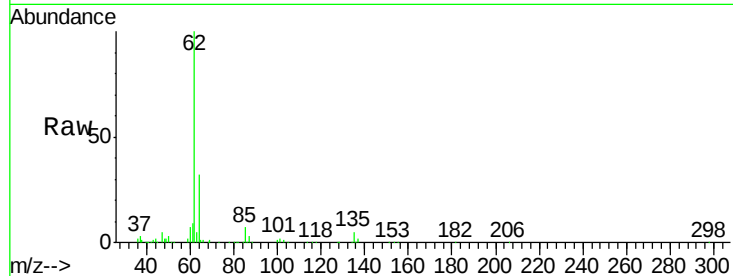
62 100

64 32.0 25.6 38.4

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#6

Bromomethane

Concen: 8.650 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL037267.D

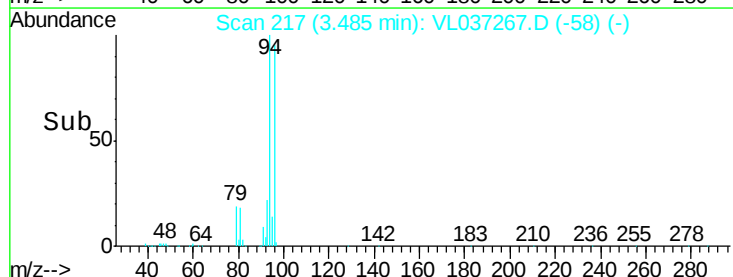
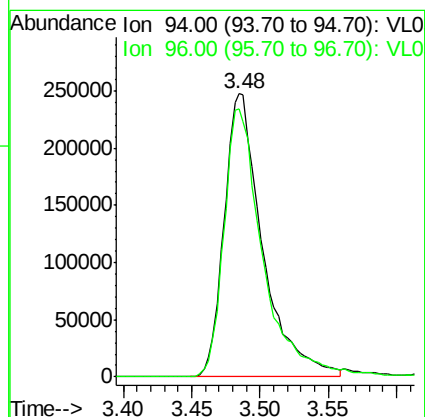
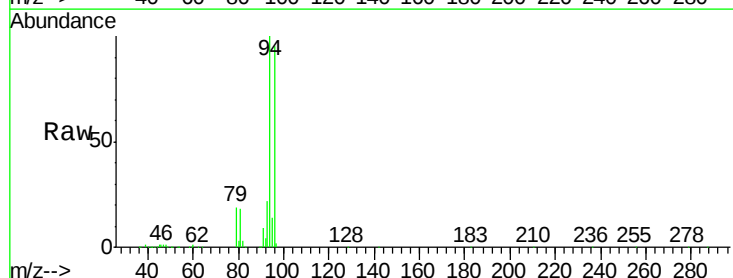
Acq: 2 Jul 2021 9:08

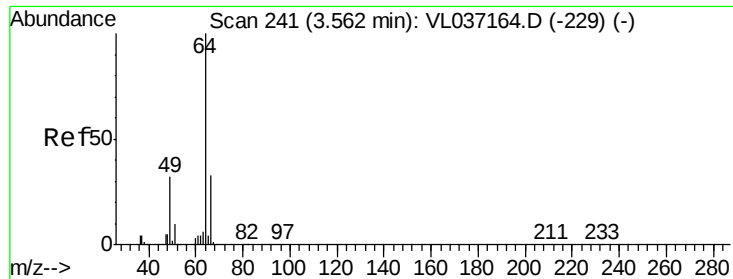
Tgt Ion: 94 Resp: 486190

Ion Ratio Lower Upper

94 100

96 94.5 72.6 108.8





#7

Chloroethane

Concen: 9.364 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 64 Resp: 315357

Ion Ratio Lower Upper

64 100

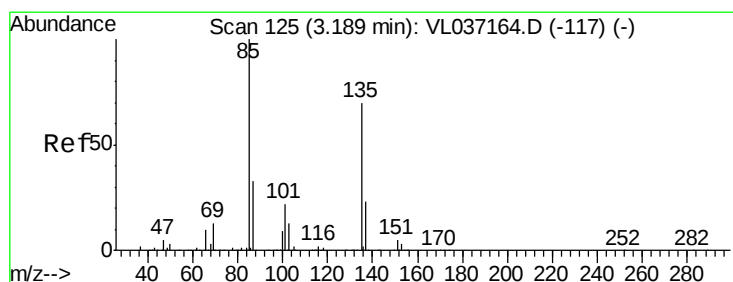
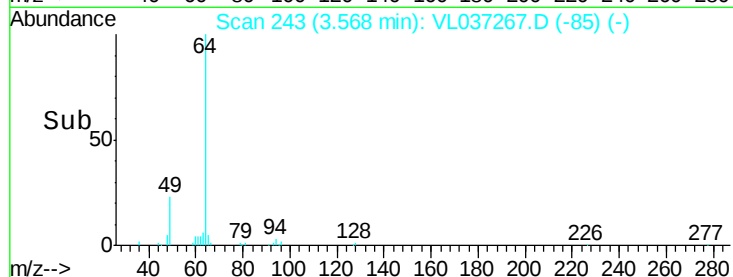
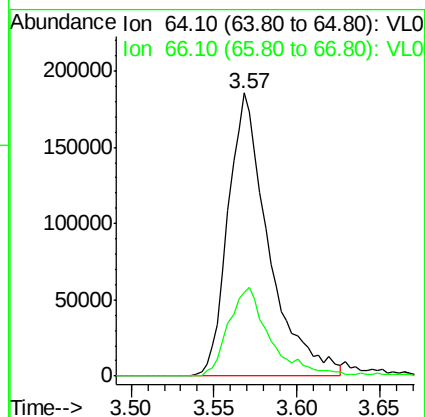
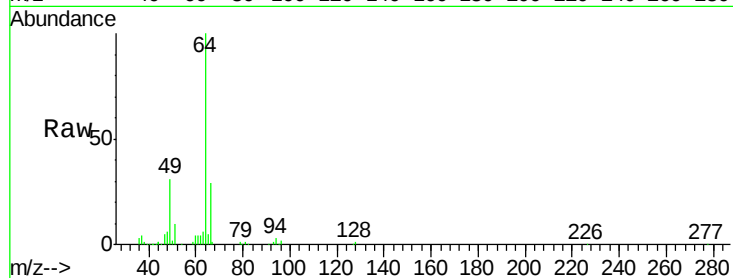
66 29.4 26.2 39.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.321 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL037267.D

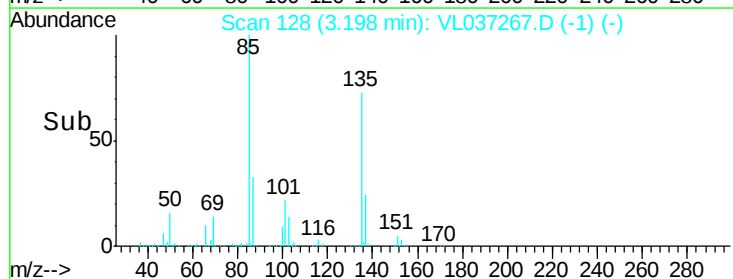
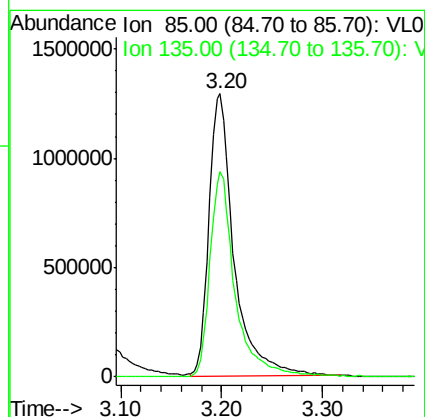
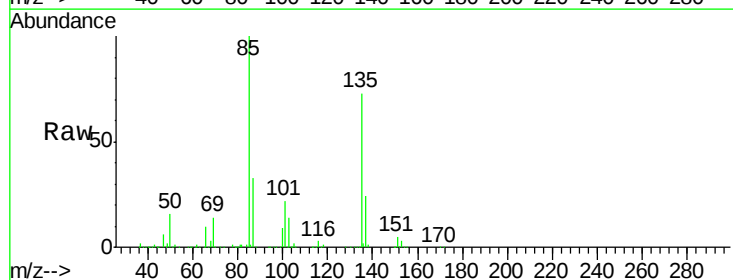
Acq: 2 Jul 2021 9:08

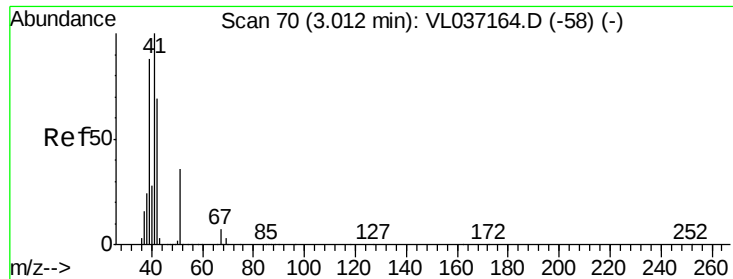
Tgt Ion: 85 Resp: 2199757

Ion Ratio Lower Upper

85 100

135 74.1 60.4 90.6





#9

Propene

Concen: 8.631 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 709828

Ion Ratio Lower Upper

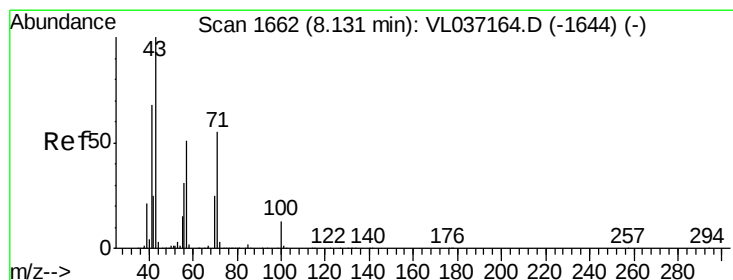
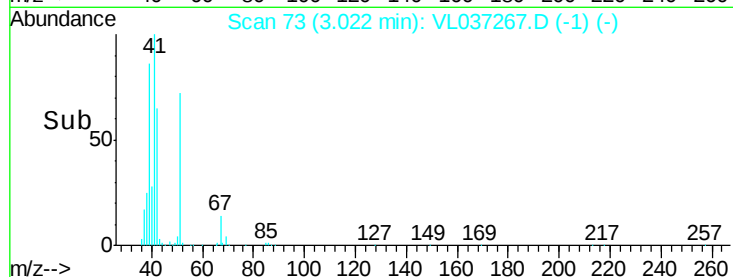
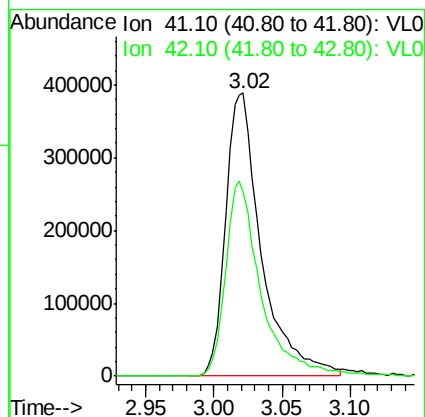
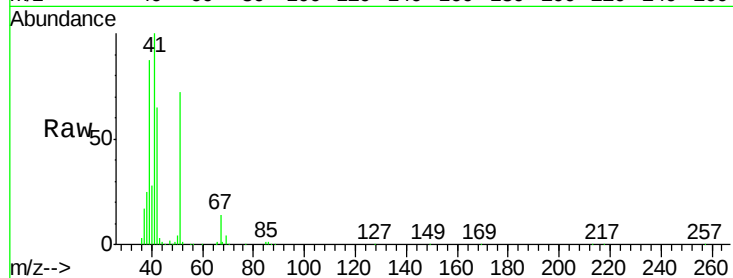
41 100

42 68.4 54.5 81.7

Manual Integrations
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#10

Heptane

Concen: 9.374 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL037267.D

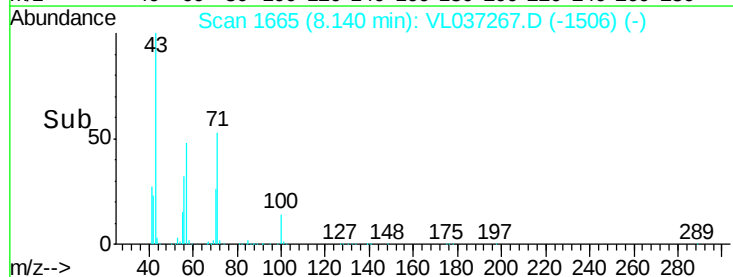
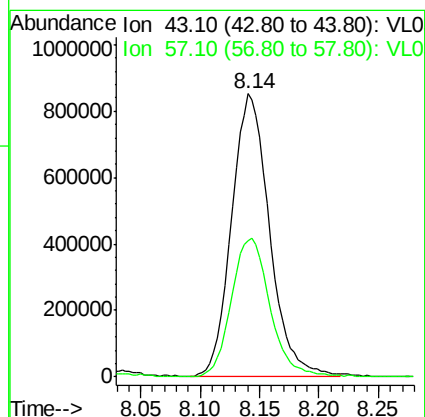
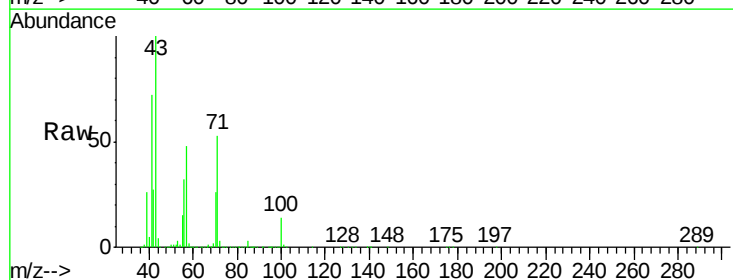
Acq: 2 Jul 2021 9:08

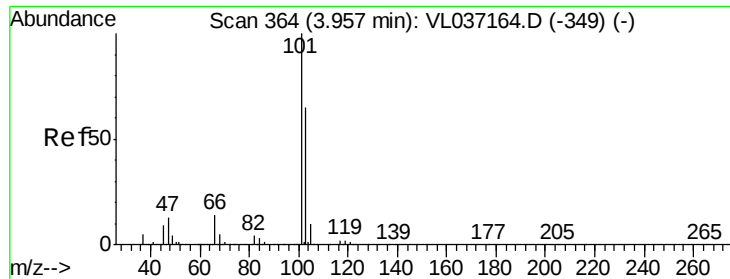
Tgt Ion: 43 Resp: 1867066

Ion Ratio Lower Upper

43 100

57 50.4 40.6 61.0





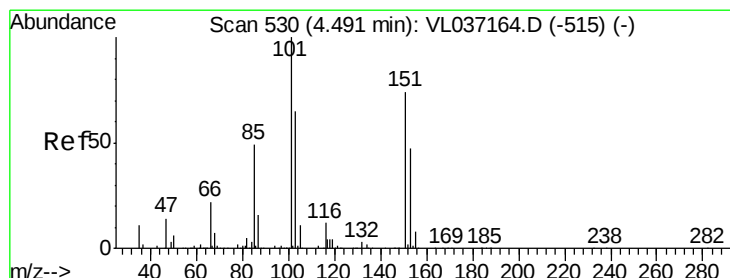
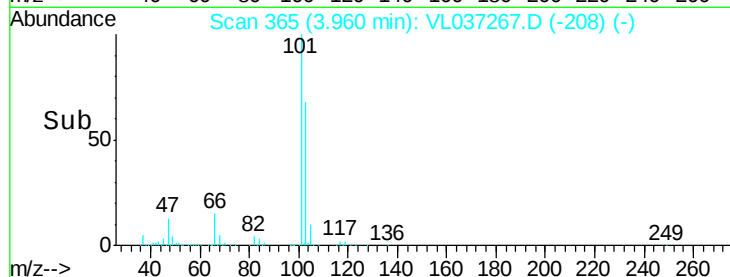
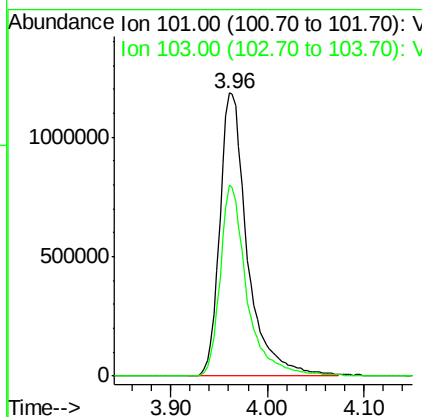
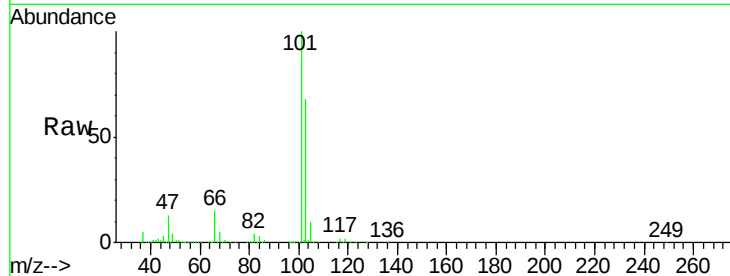
#11
 Trichlorofluoromethane
 Concen: 9.607 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2358209
 Ion Ratio Lower Upper
 101 100
 103 67.6 52.2 78.4

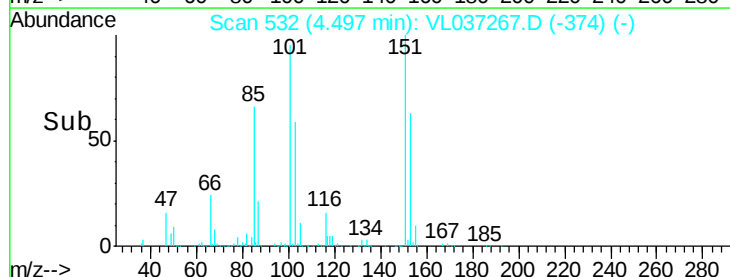
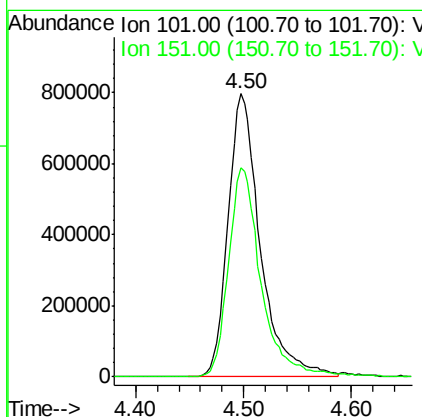
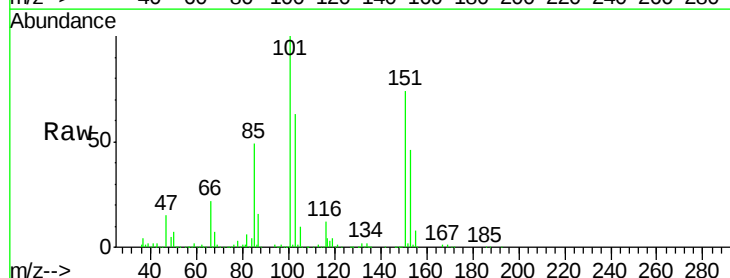
Manual Integrations
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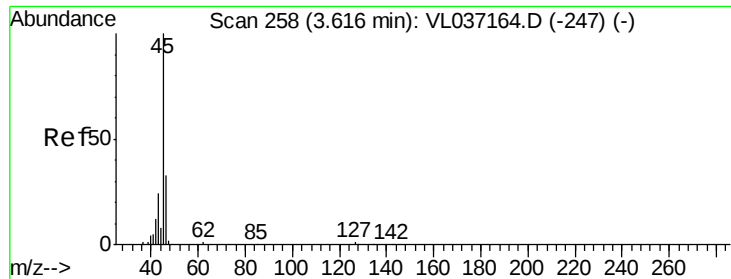
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.625 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Tgt Ion:101 Resp: 1665431
 Ion Ratio Lower Upper
 101 100
 151 74.8 59.1 88.7





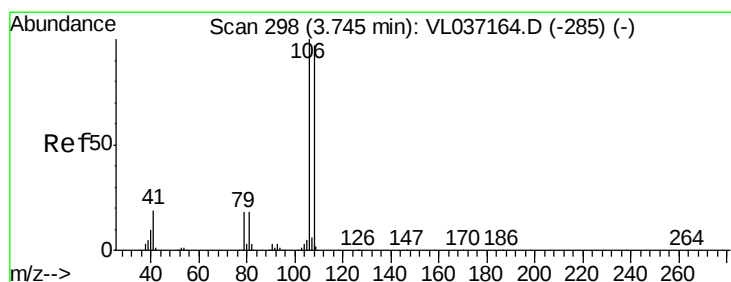
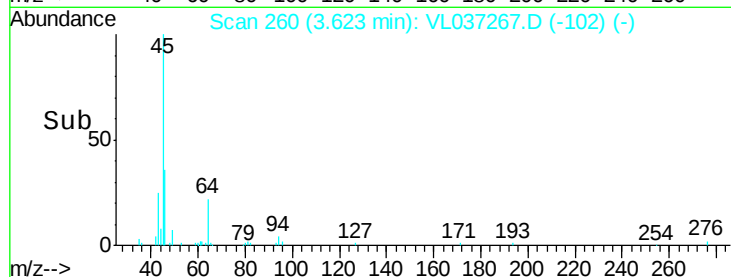
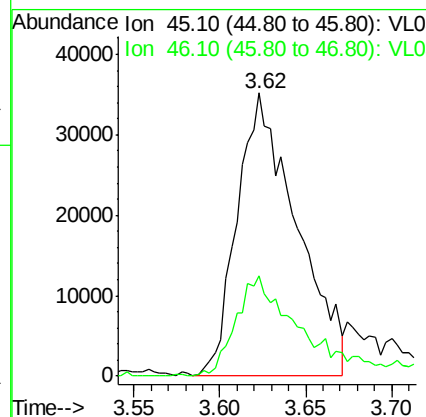
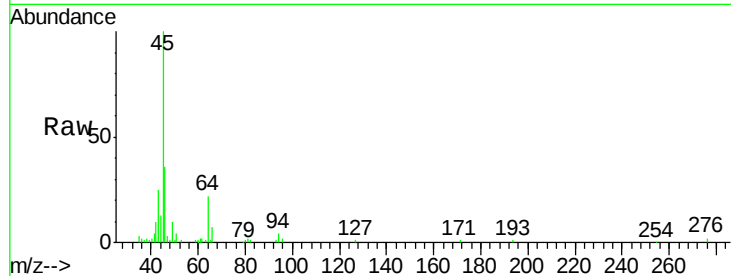
#13
Ethanol
Concen: 6.667 ppbv
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 84823
Ion Ratio Lower Upper
45 100
46 43.5 34.2 137.0

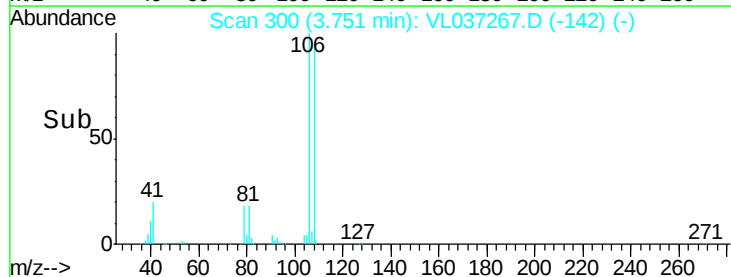
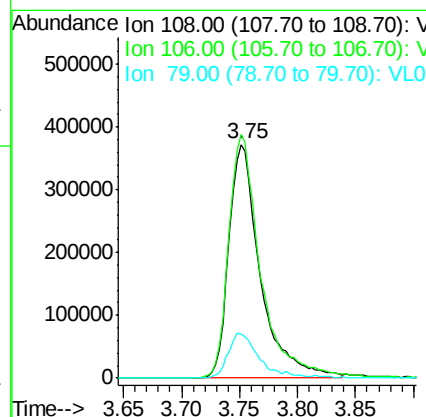
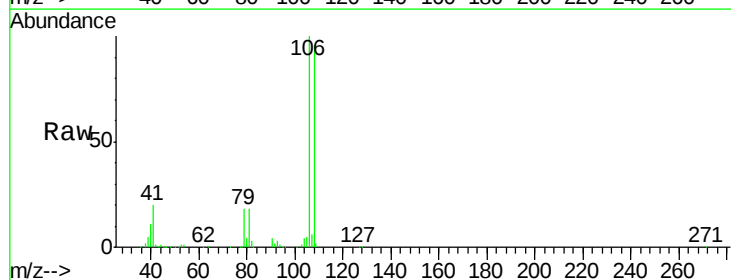
Manual Integrations
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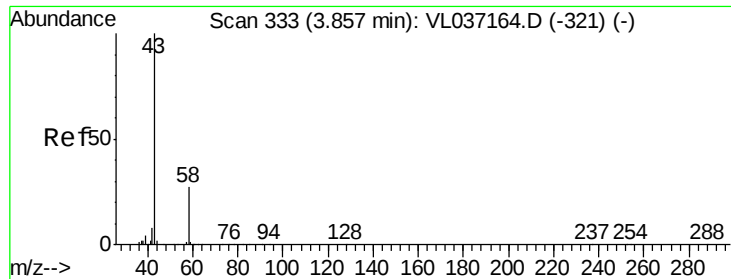
MMDadoda
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#14
Bromoethene
Concen: 9.672 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 108 Resp: 698537
Ion Ratio Lower Upper
108 100
106 106.9 86.8 130.2
79 19.7 15.6 23.4





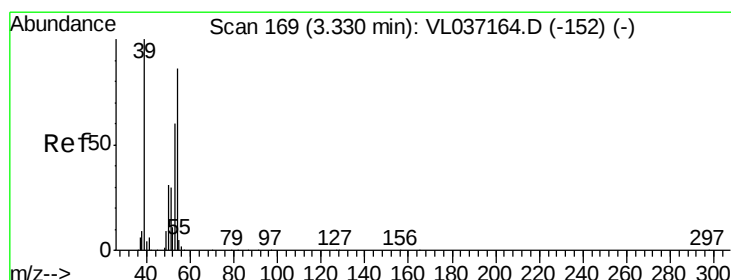
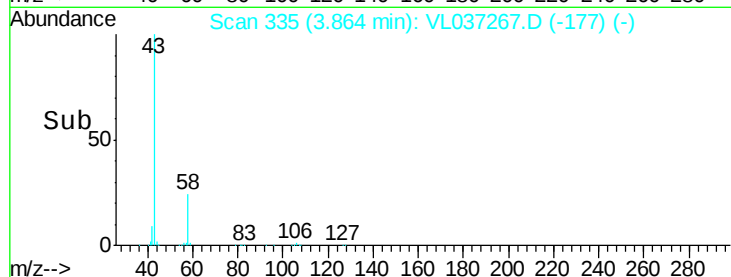
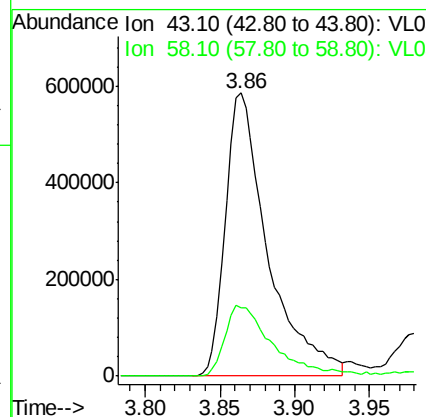
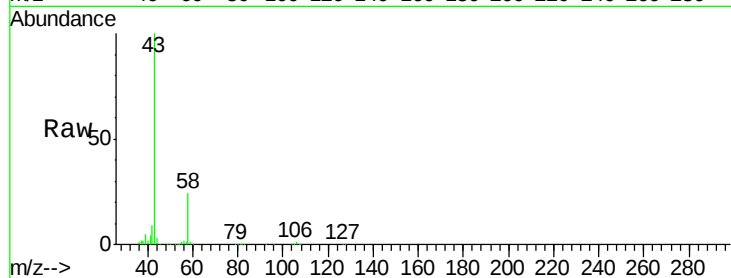
#15
Acetone
Concen: 7.748 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1155782
Ion Ratio Lower Upper
43 100
58 28.3 23.7 35.5

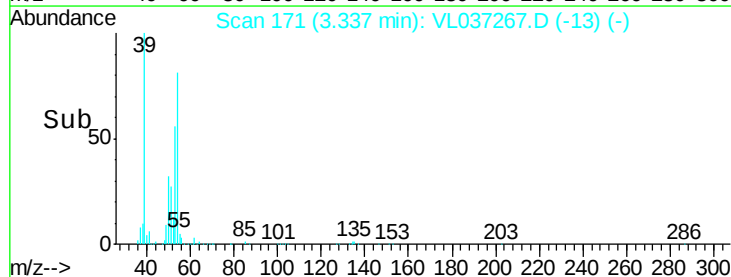
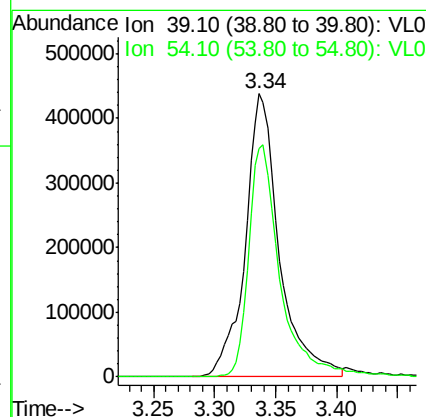
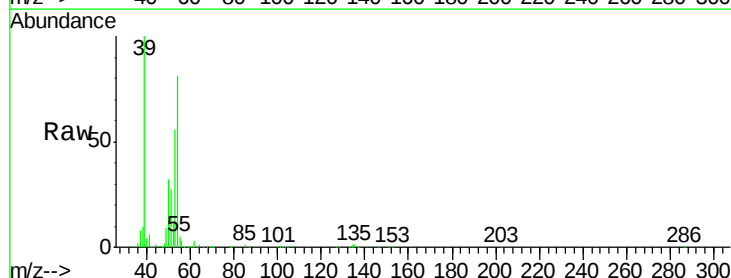
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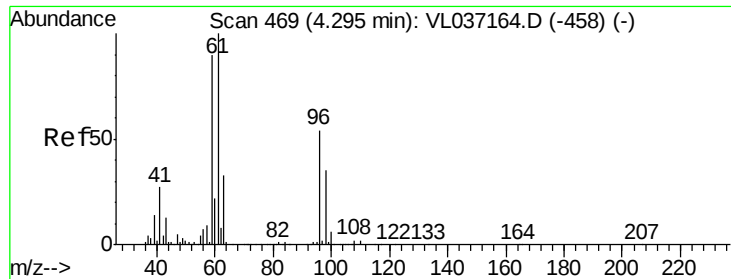
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#16
1,3-Butadiene
Concen: 9.521 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 39 Resp: 839557
Ion Ratio Lower Upper
39 100
54 76.2 61.2 91.8





#17

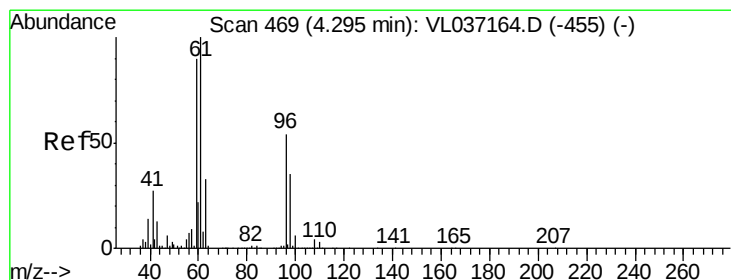
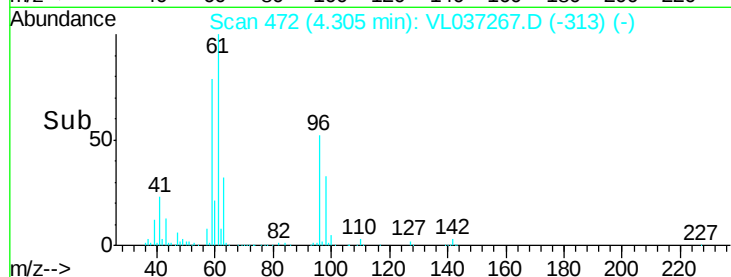
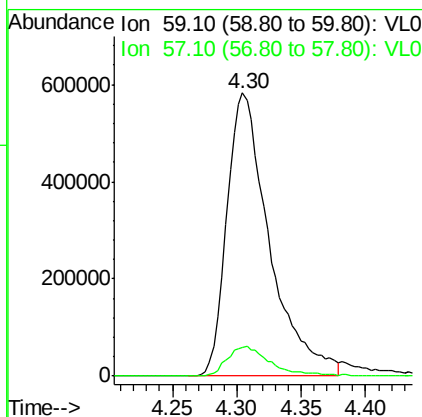
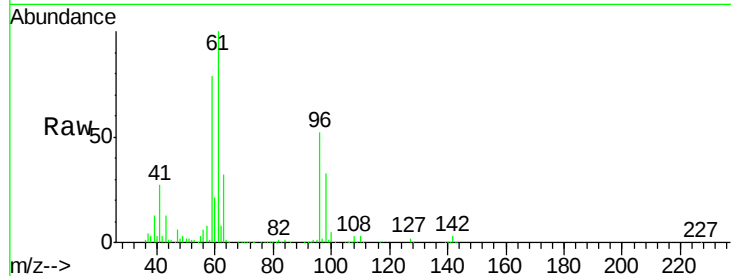
tert-Butyl alcohol
Concen: 9.710 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1338677
Ion Ratio Lower Upper
59 100
57 11.1 8.8 13.2

Manual Integrations
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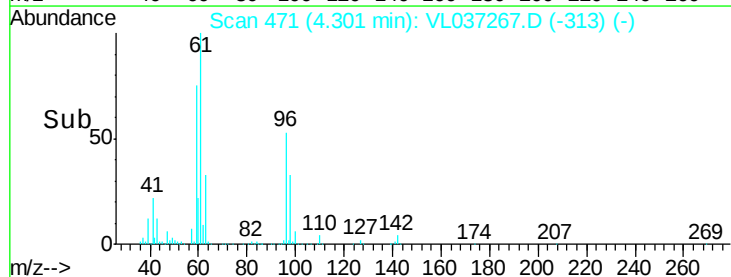
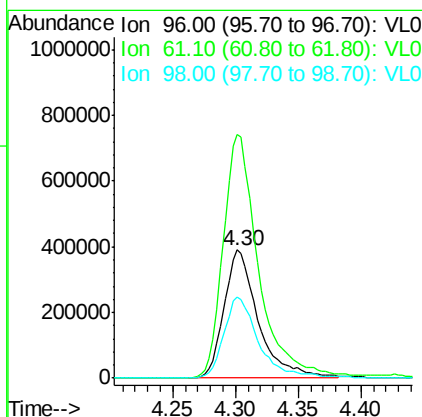
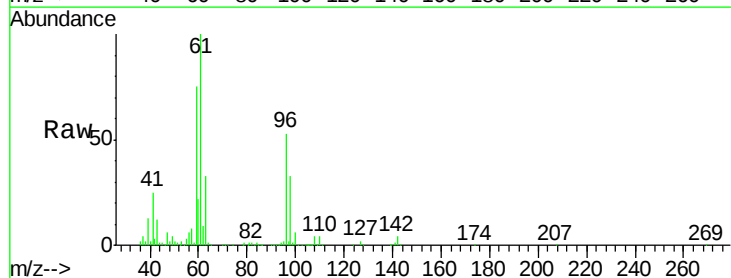
MMDadoda
7/6/2021 6:44:20 PM

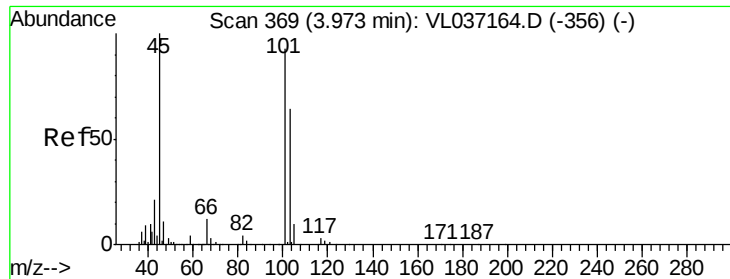


#18

1,1-Dichloroethene
Concen: 9.655 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 96 Resp: 740349
Ion Ratio Lower Upper
96 100
61 189.7 148.6 222.8
98 63.3 51.9 77.9





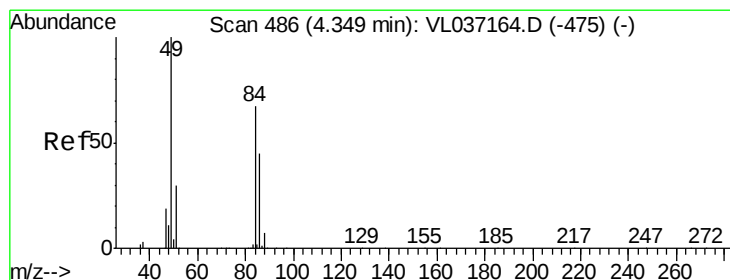
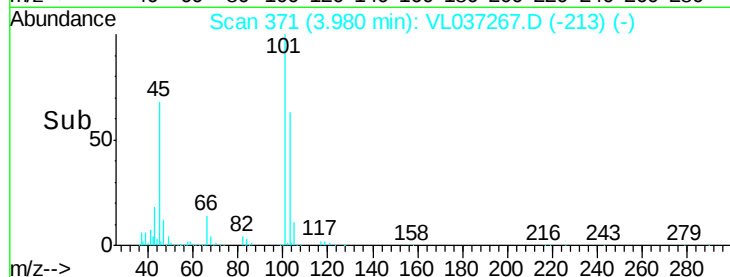
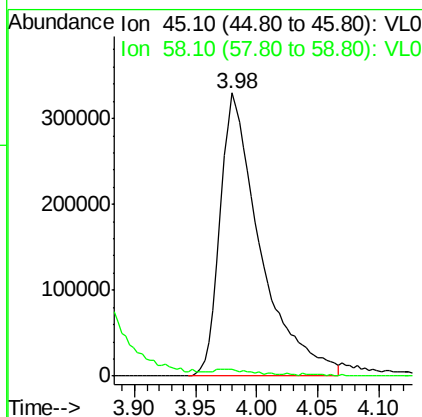
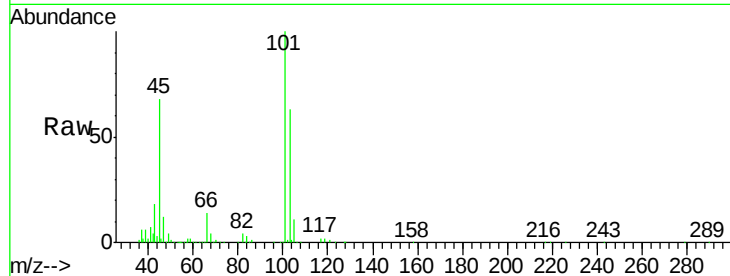
#19
Isopropyl Alcohol
Concen: 8.427 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.9	2.4	3.6

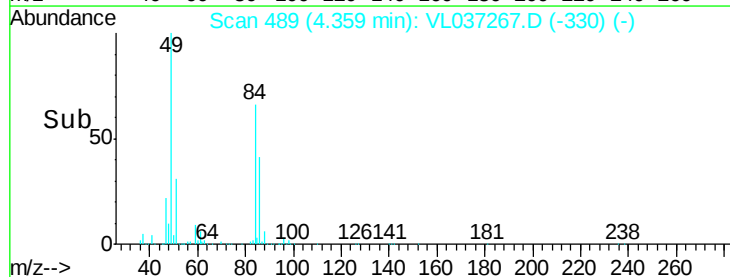
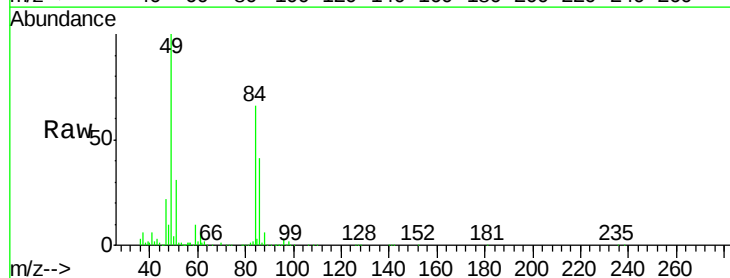
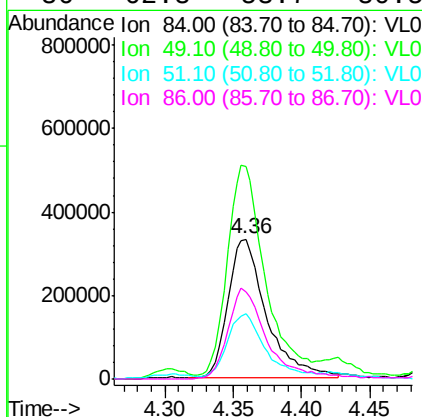
Manual Integrations
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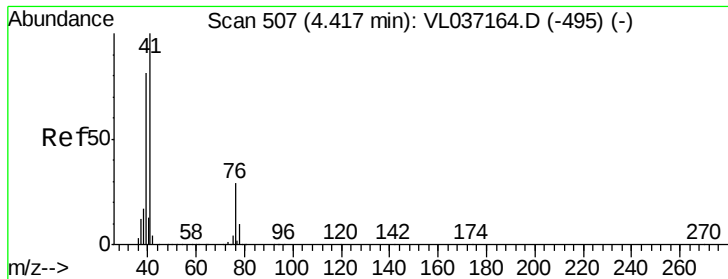
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#20
Methylene Chloride
Concen: 7.359 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.5	119.7	179.5
51	43.9	36.1	54.1
86	62.8	53.7	80.5





#21

Allvl Chloride

Concen: 9.500 ppbv

RT: 4.42 min Scan# 509

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 1068159

Ion Ratio Lower Upper

41 100

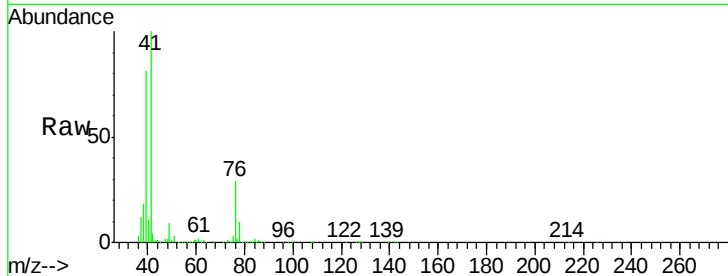
76 31.0 24.6 37.0

39 84.2 65.4 98.0

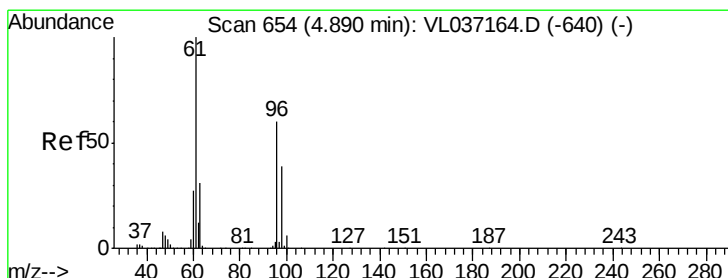
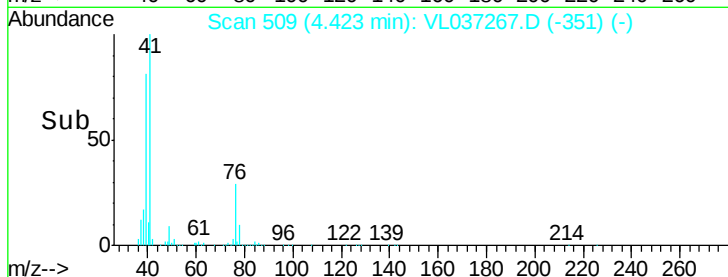
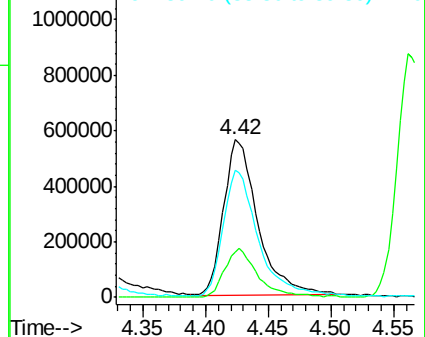
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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.868 ppbv

RT: 4.90 min Scan# 657

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

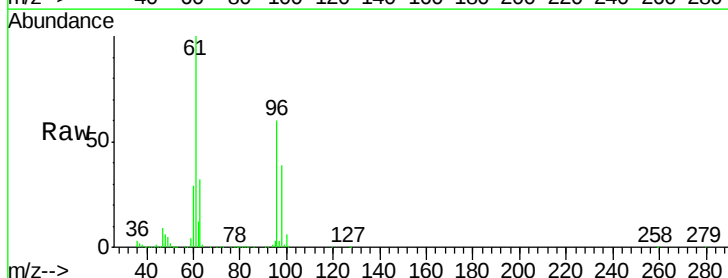
Tgt Ion: 96 Resp: 748718

Ion Ratio Lower Upper

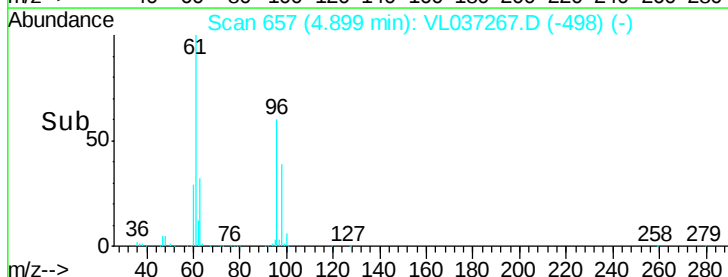
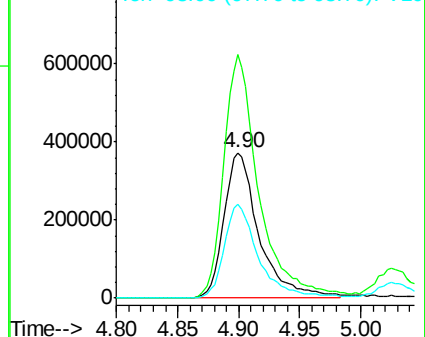
96 100

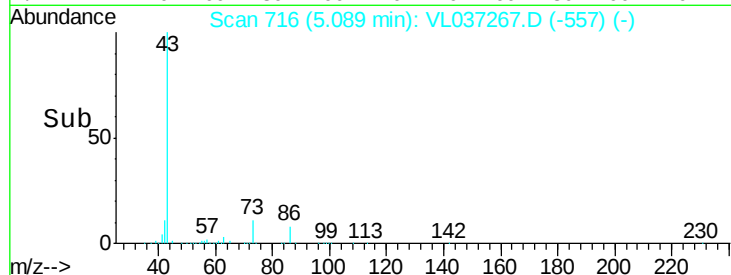
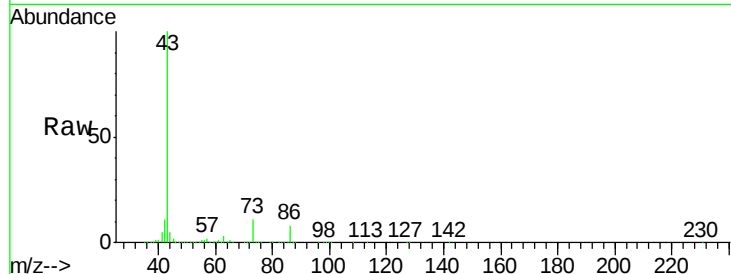
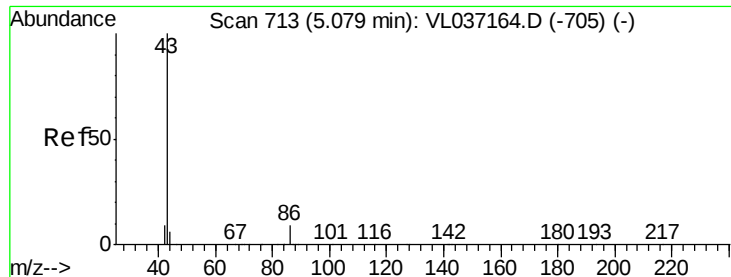
61 167.5 133.9 200.9

98 64.8 52.9 79.3



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





#23

Vinyl Acetate

Concen: 9.852 ppbv

RT: 5.09 min Scan# 716

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Tot Ion: 43 Resp: 2107212

Ion Ratio Lower Upper

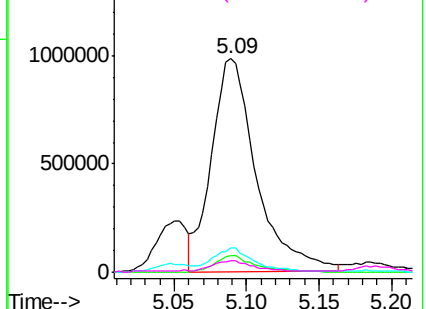
43 100

86 7.7 5.8 8.8

42 11.2 8.2 12.2

44 5.2 4.2 6.4

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



Instrument :

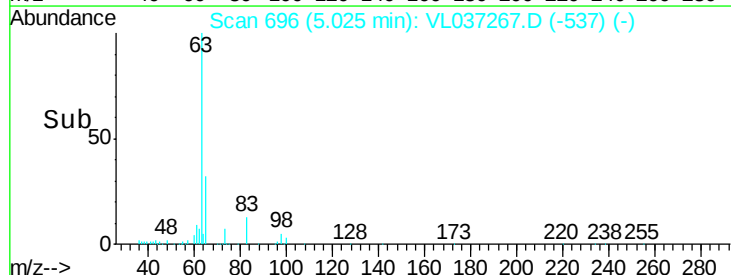
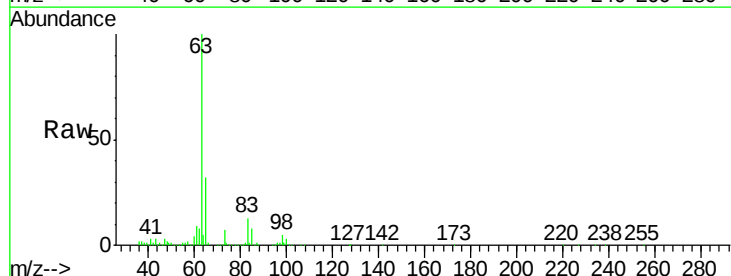
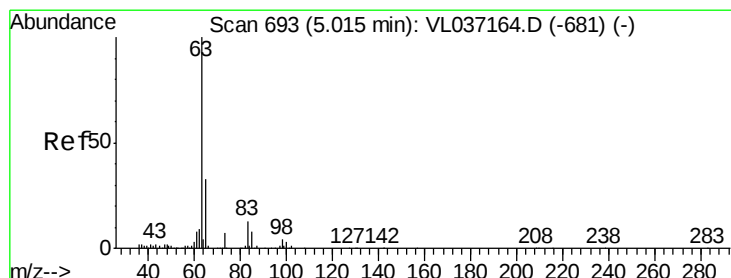
MSVOA_L

ClientSampleId :

VSTDCCC010

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#24

1,1-Dichloroethane

Concen: 9.839 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Tgt Ion: 63 Resp: 1694310

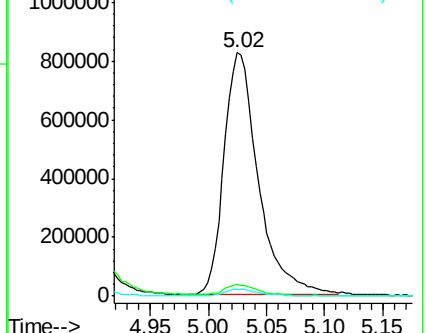
Ion Ratio Lower Upper

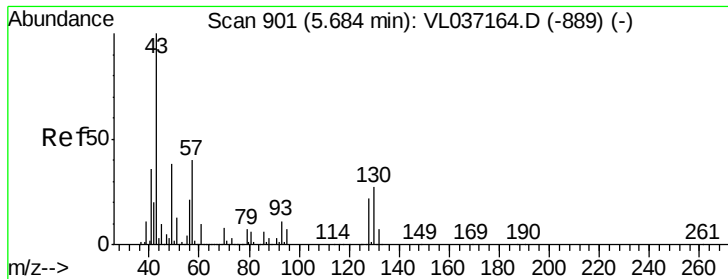
63 100

98 4.7 2.1 6.5

100 2.7 1.4 4.0

Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





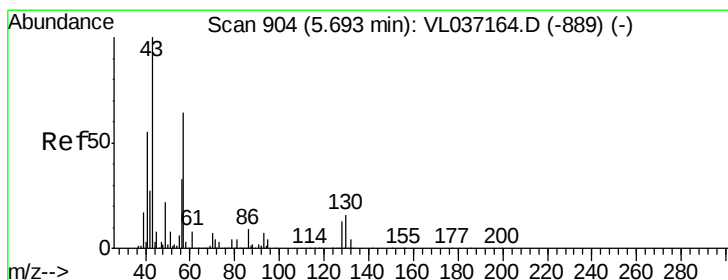
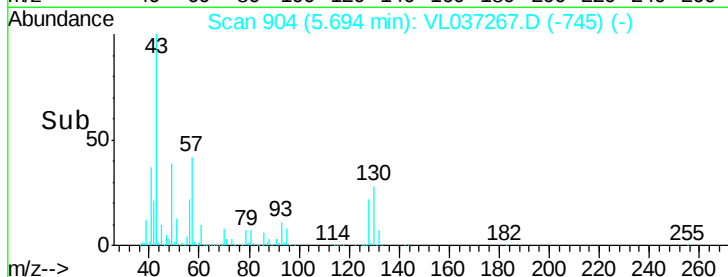
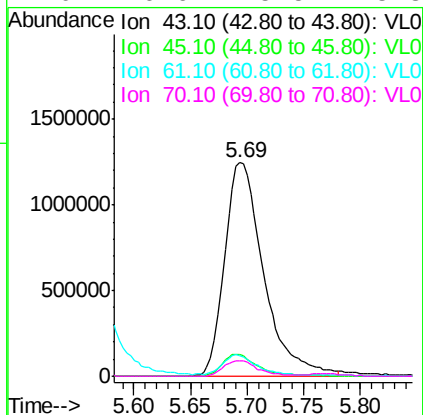
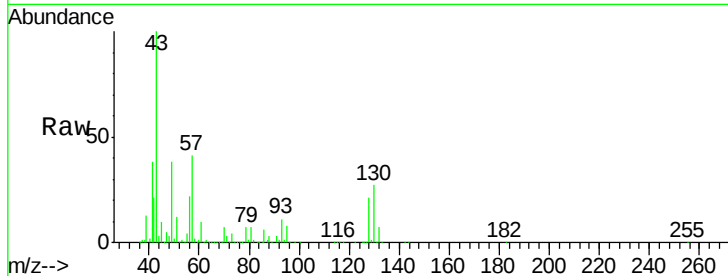
#25
Ethyl Acetate
Concen: 9.250 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	43	Resp	2987207
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.6	8.1	12.1
70	6.6	5.5	8.3

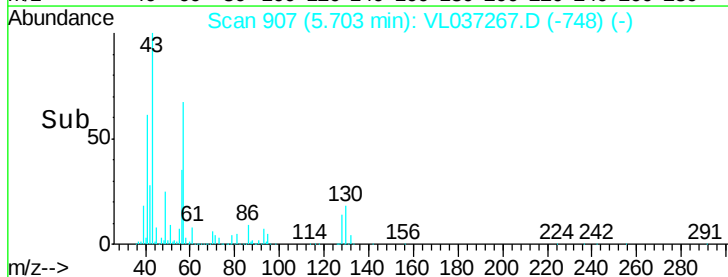
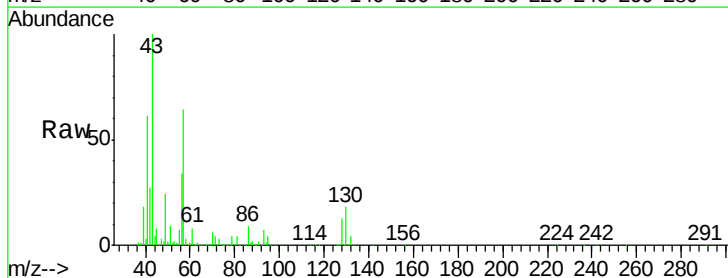
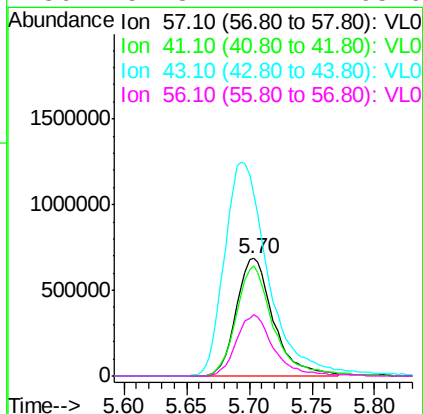
Manual Integrations
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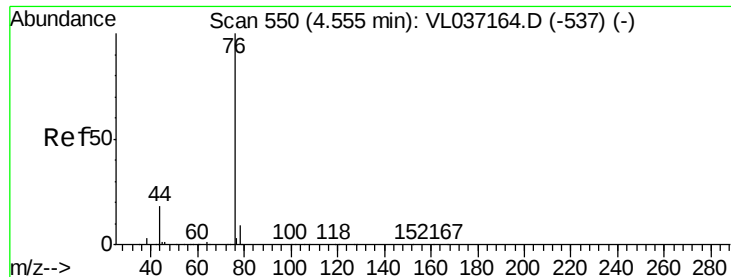
MMDadoda
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#26
Hexane
Concen: 8.692 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion	57	Resp	1418617
Ion	Ratio	Lower	Upper
57	100		
41	94.0	73.5	110.3
43	214.4	170.7	256.1
56	52.8	42.4	63.6





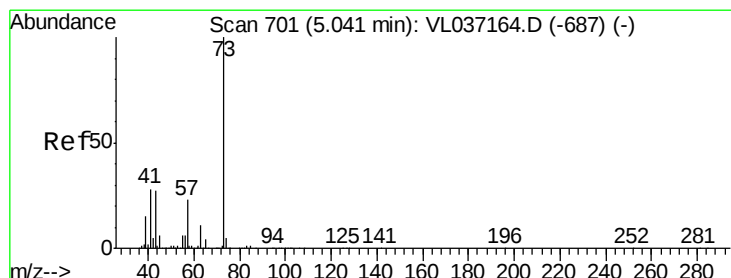
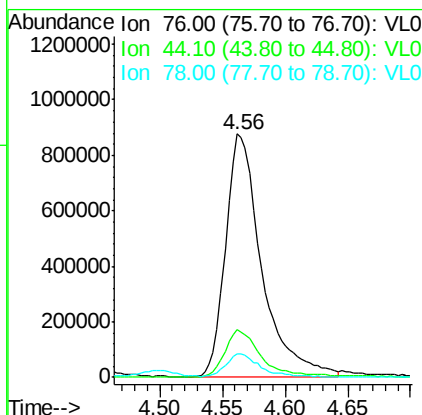
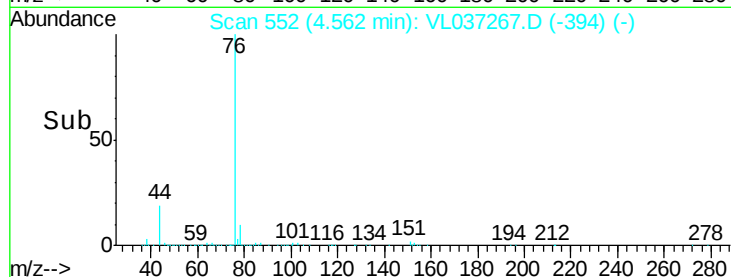
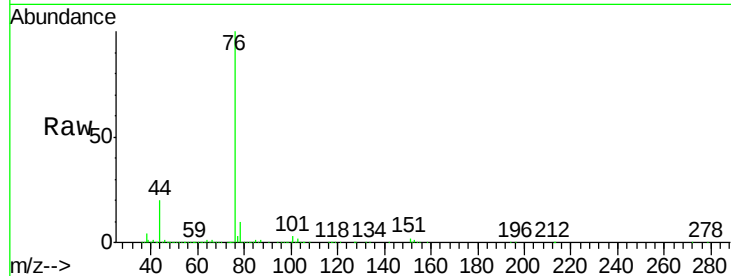
#27
Carbon Disulfide
Concen: 10.939 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 76 Resp: 1749282
Ion Ratio Lower Upper
76 100
44 19.6 15.4 23.2
78 9.7 8.0 12.0

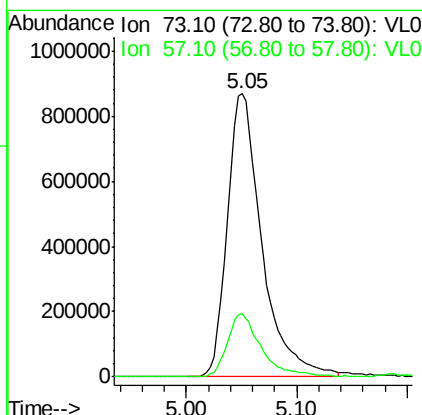
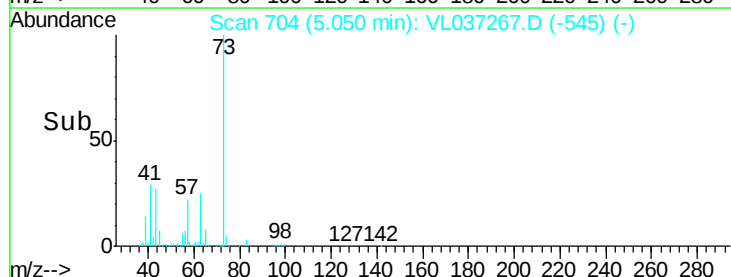
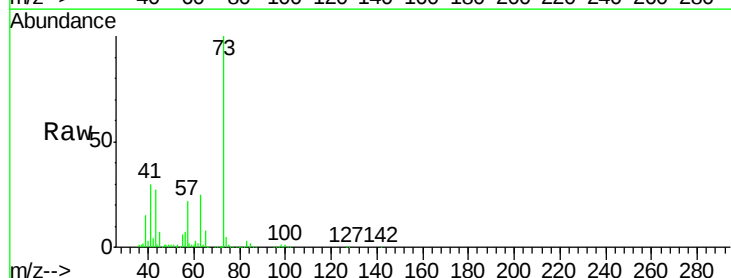
Manual Integrations
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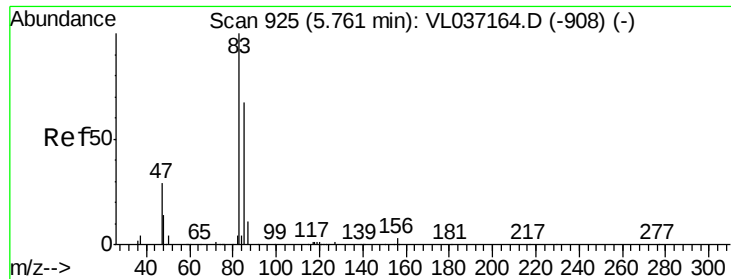
MMDadoda
7/6/2021 6:44:20 PM



#28
Methyl tert-Butyl Ether
Concen: 9.635 ppbv
RT: 5.05 min Scan# 704
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 73 Resp: 1890653
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0





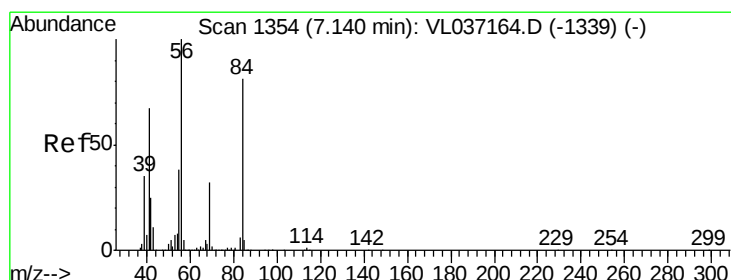
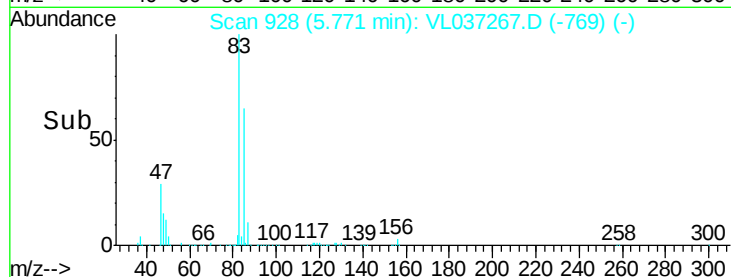
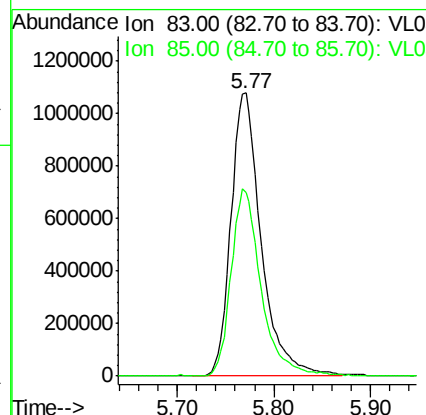
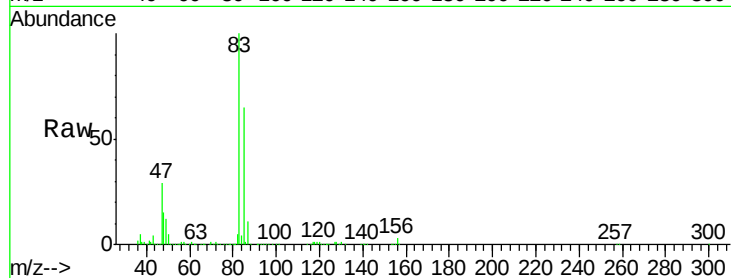
#29
Chloroform
Concen: 9.311 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2347559
Ion Ratio Lower Upper
83 100
85 64.7 53.6 80.4

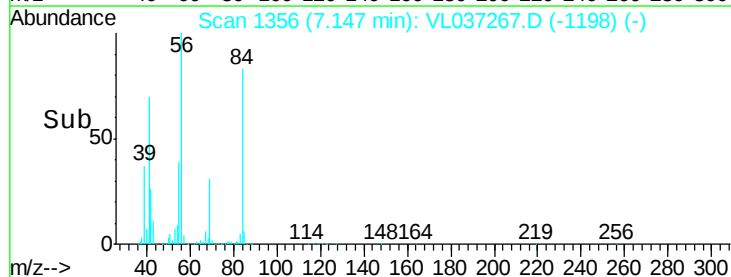
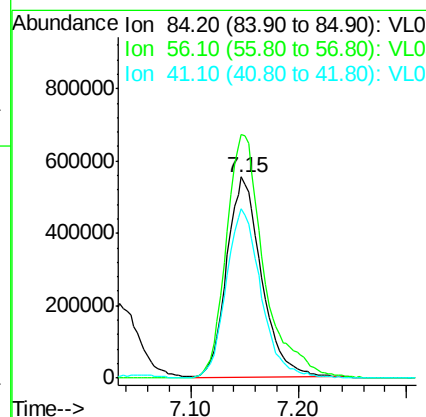
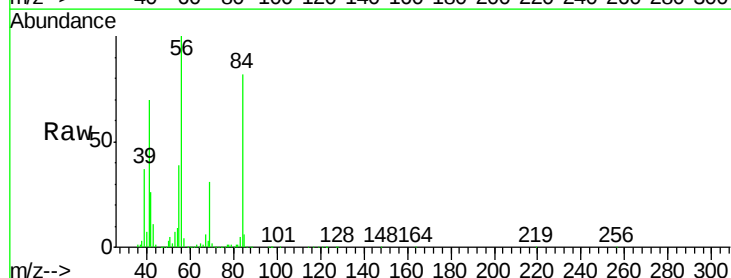
Manual Integrations
APPROVED

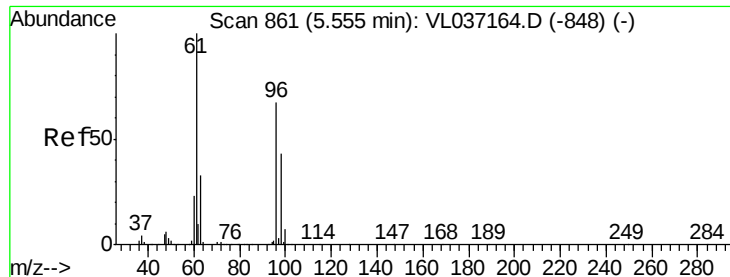
MMDadoda
7/6/2021 6:44:20 PM



#30
Cyclohexane
Concen: 9.156 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 84 Resp: 1245179
Ion Ratio Lower Upper
84 100
56 132.5 107.7 161.5
41 85.4 69.0 103.6





#31

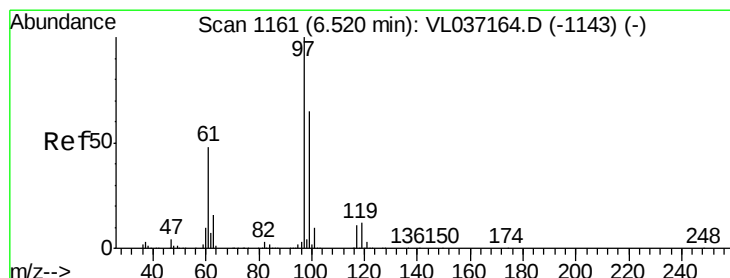
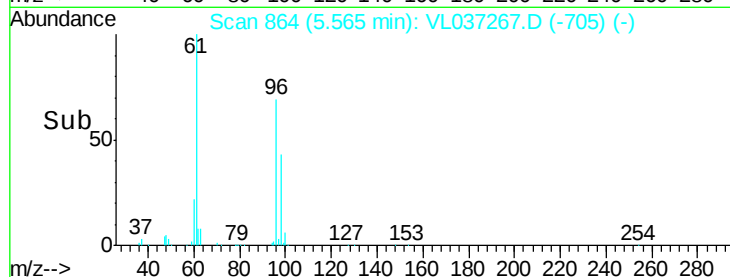
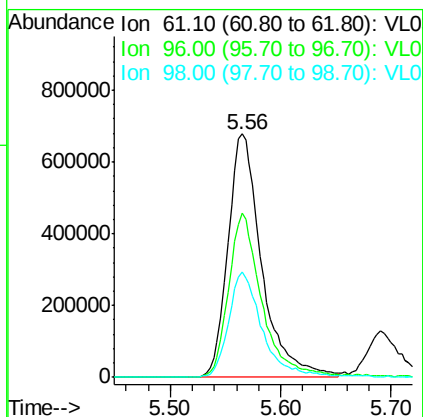
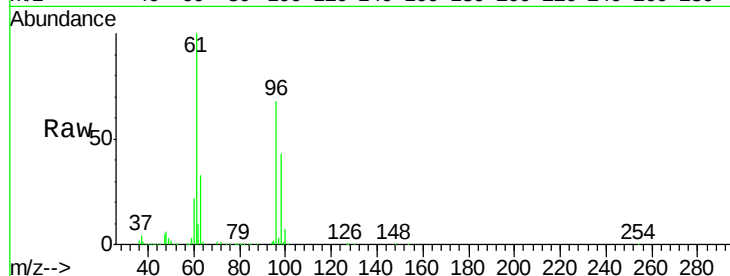
cis-1,2-Dichloroethene
 Concen: 9.591 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.4	53.6	80.4
98	43.3	34.7	52.1

Manual Integrations
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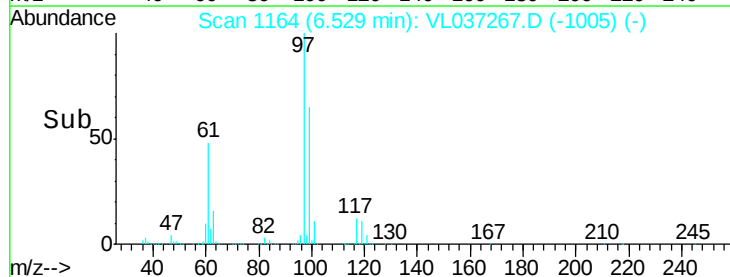
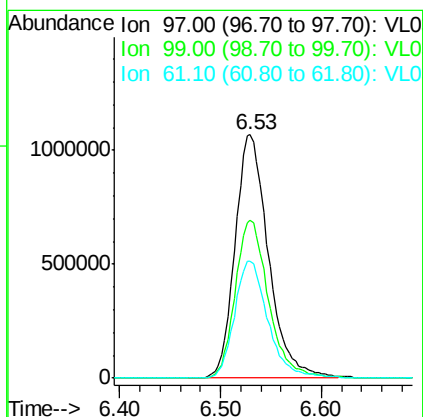
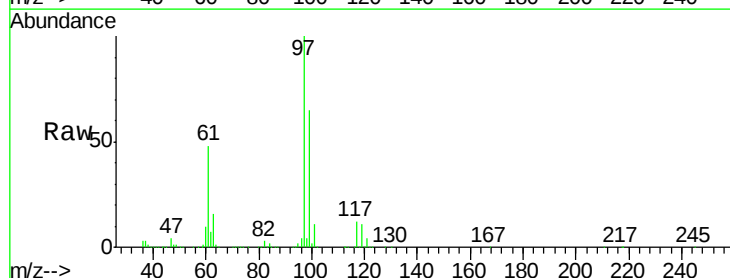
MMDadoda
 7/6/2021 6:44:20 PM

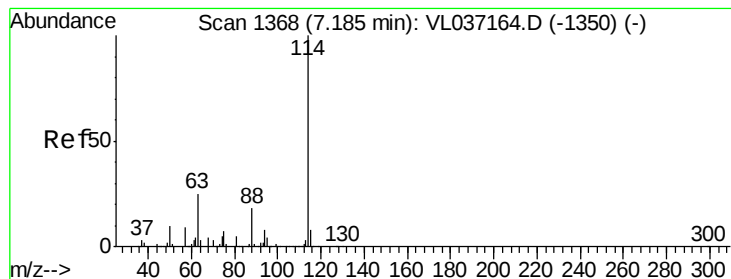


#32

1,1,1-Trichloroethane
 Concen: 9.105 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.2	78.4
61	48.5	38.8	58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1371

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:114 Resp: 3895625

Ion Ratio Lower Upper

114 100

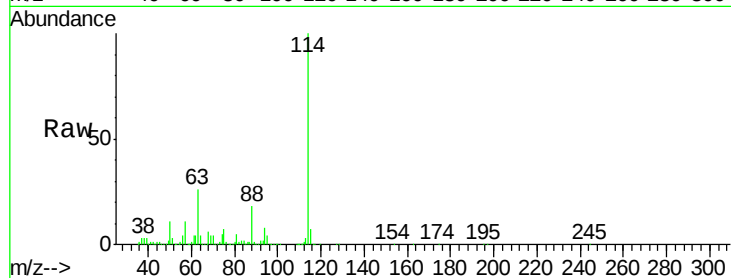
63 25.0 19.6 29.4

88 18.0 14.2 21.2

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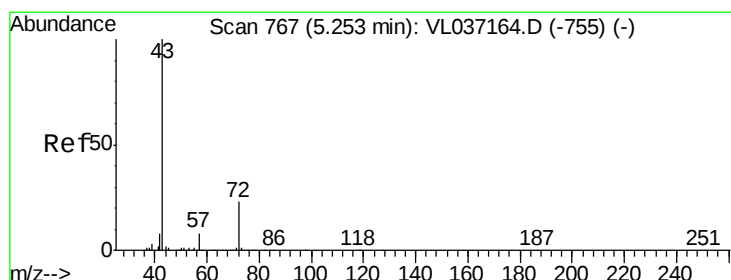
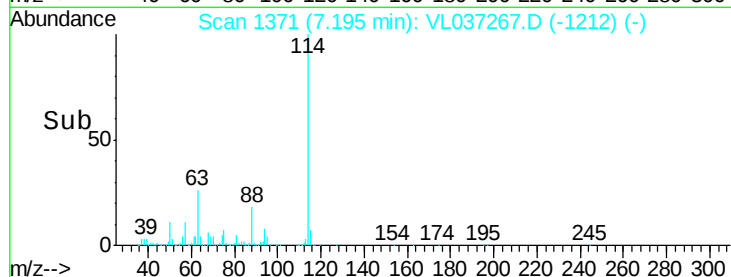
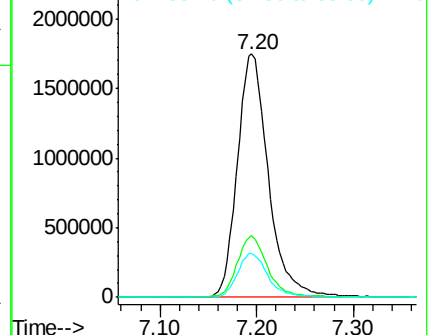
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.160 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.01 min

Lab File: VL037267.D

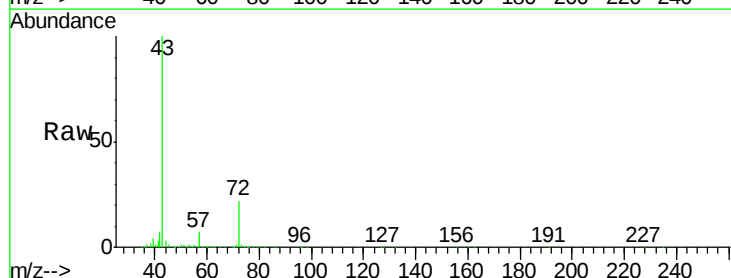
Acq: 2 Jul 2021 9:08

Tgt Ion: 43 Resp: 1387816

Ion Ratio Lower Upper

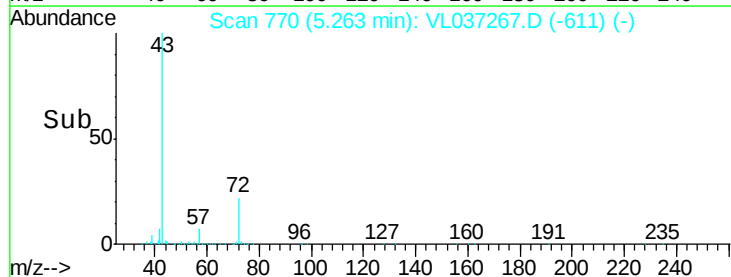
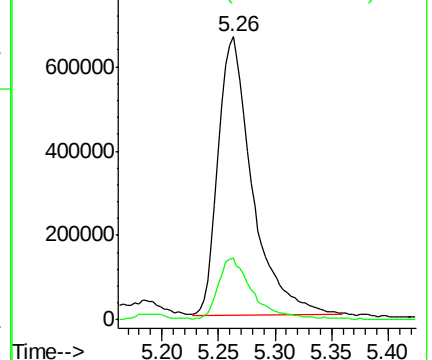
43 100

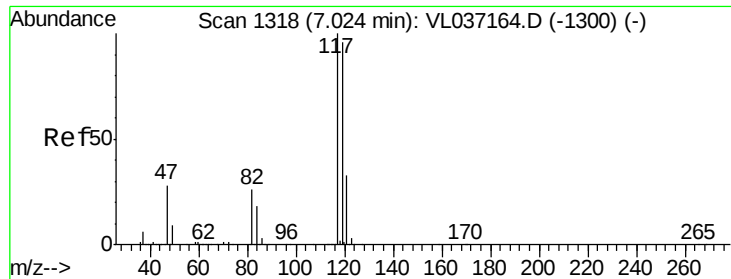
72 22.6 18.9 28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.055 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2627335

Ion Ratio Lower Upper

117 100

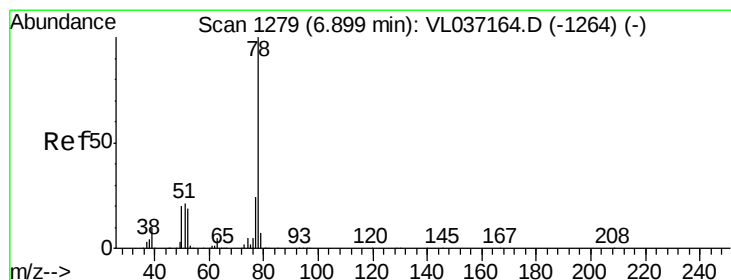
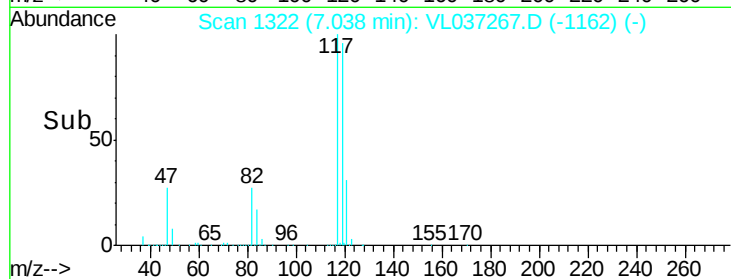
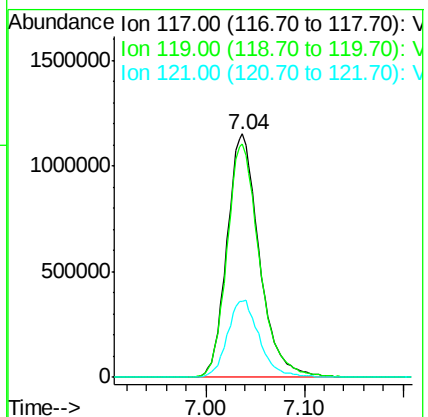
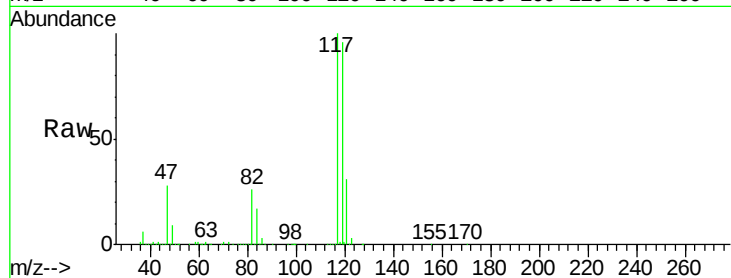
119 95.7 76.6 114.8

121 31.3 26.4 39.6

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#36

Benzene

Concen: 9.306 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

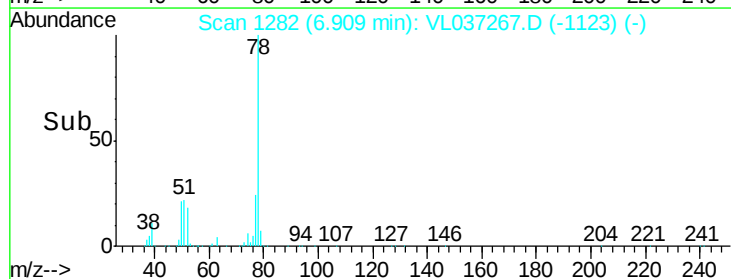
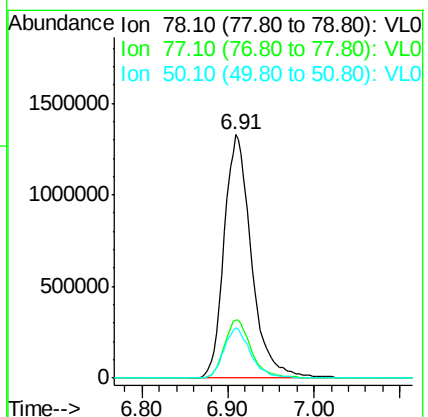
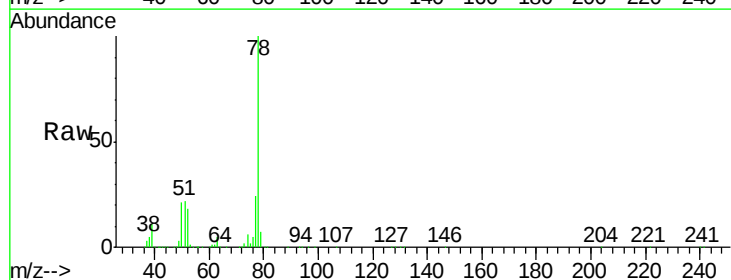
Tgt Ion: 78 Resp: 2931453

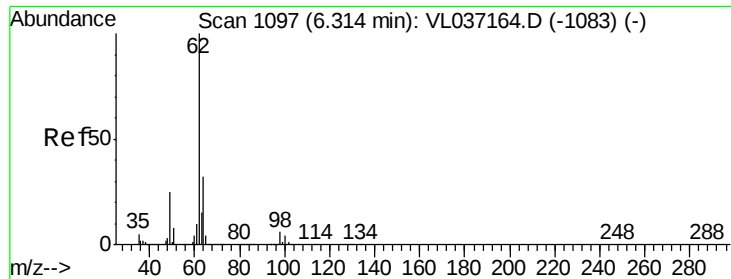
Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.6

50 20.9 15.7 23.5





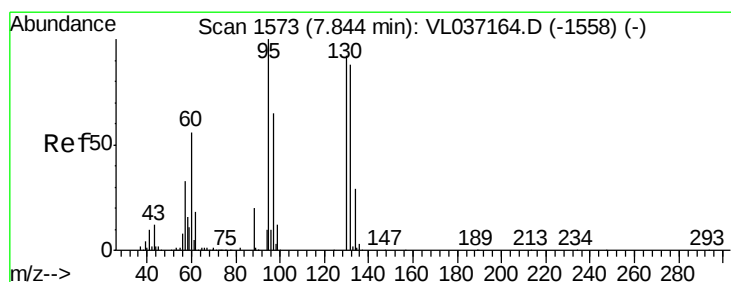
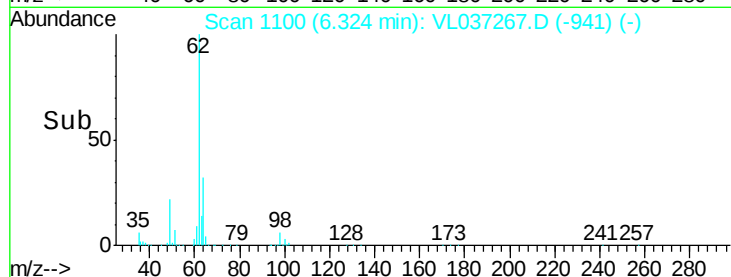
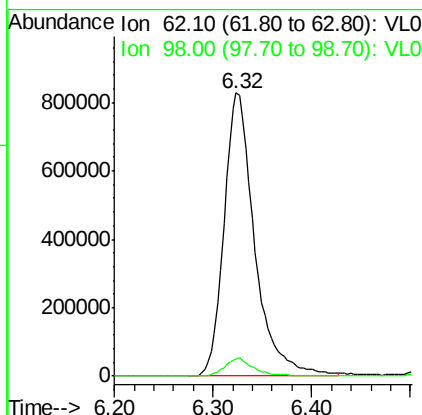
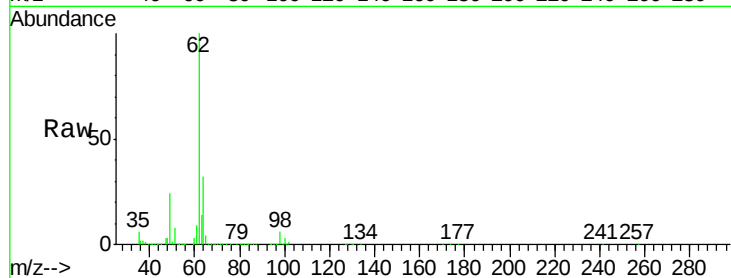
#37
 1,2-Dichloroethane
 Concen: 9.841 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1800918
 Ion Ratio Lower Upper
 62 100
 98 6.0 5.0 7.6

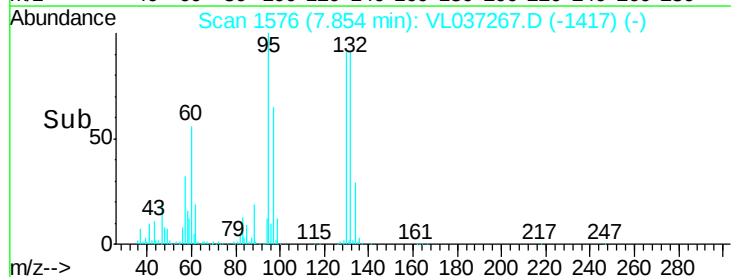
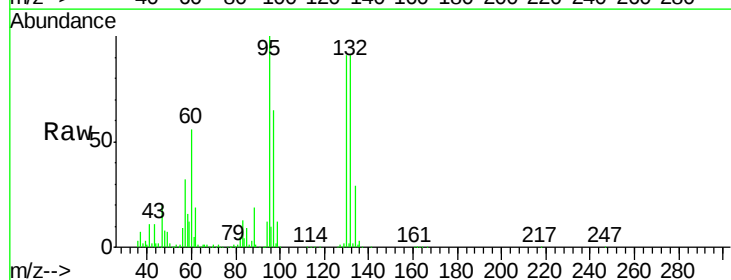
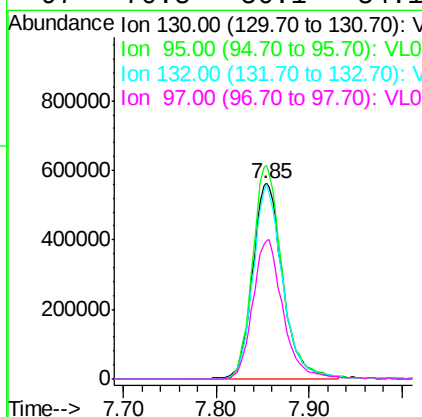
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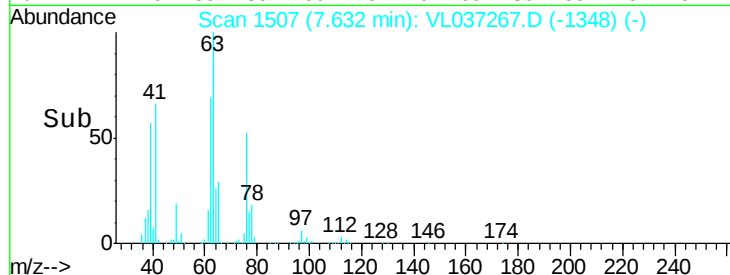
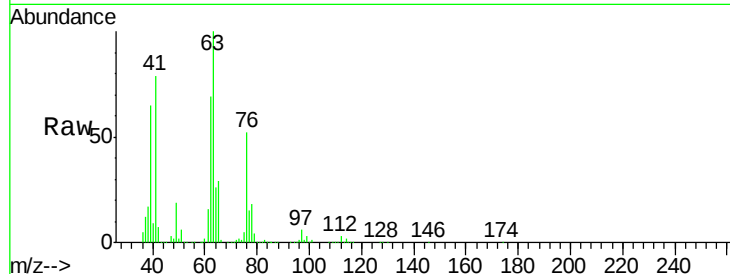
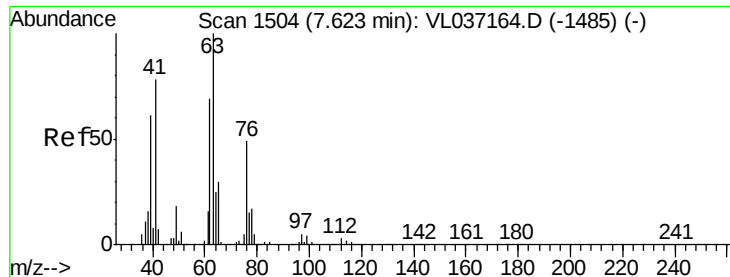
MMDadoda
 7/6/2021 6:44:20 PM



#38
 Trichloroethene
 Concen: 8.459 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Tgt Ion:130 Resp: 1266617
 Ion Ratio Lower Upper
 130 100
 95 109.4 86.6 129.8
 132 99.7 76.6 114.8
 97 70.8 56.1 84.1





#39

1,2-Dichloropropane

Concen: 9.530 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Tot Ion: 63 Resp: 1115498

Ion Ratio Lower Upper

63 100

41 78.4 62.0 93.0

62 69.2 54.9 82.3

Instrument :

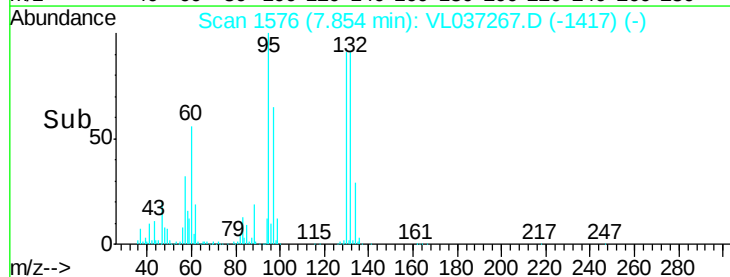
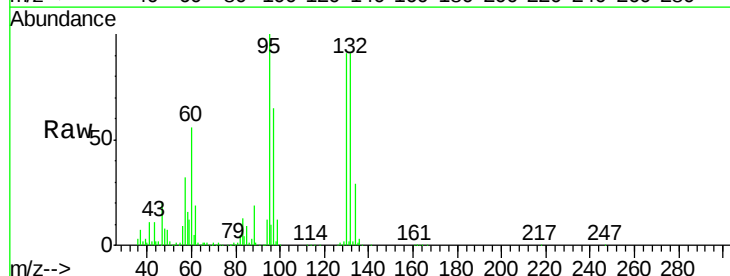
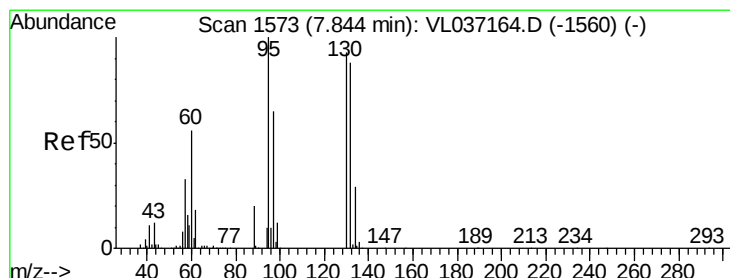
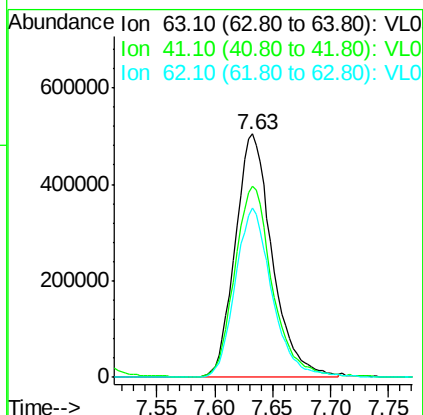
MSVOA_L

ClientSampleId :

VSTDCCC010

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#40

1,4-Dioxane

Concen: 9.151 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Tgt Ion: 88 Resp: 293745

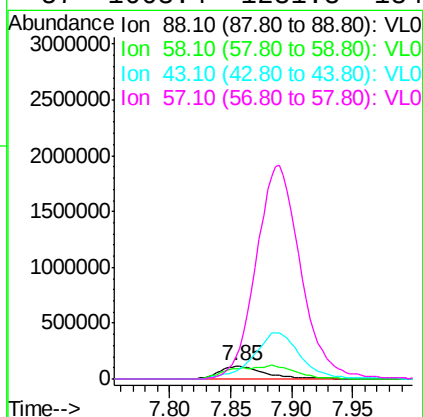
Ion Ratio Lower Upper

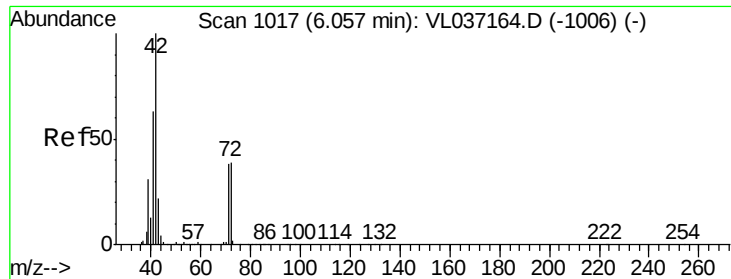
88 100

58 152.0 118.4 177.6

43 381.7 284.0 426.0

57 1663.4 1231.8 1847.6





#41

Tetrahydrofuran

Concen: 9.704 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

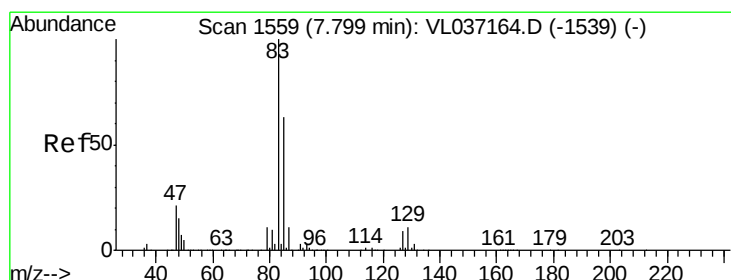
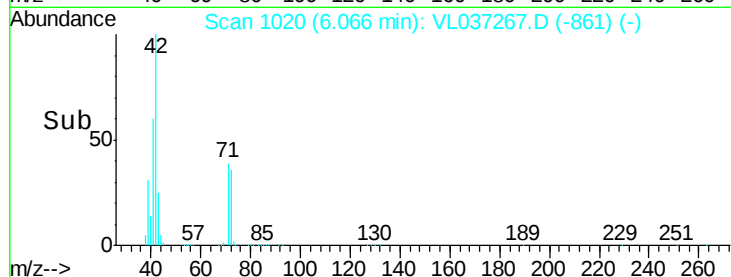
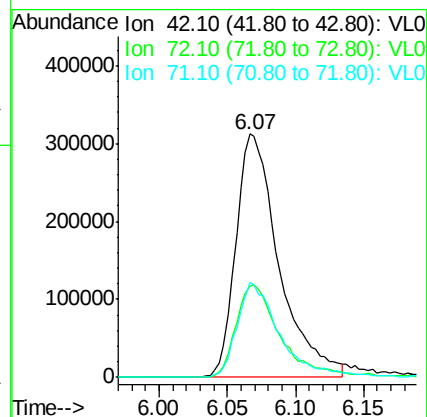
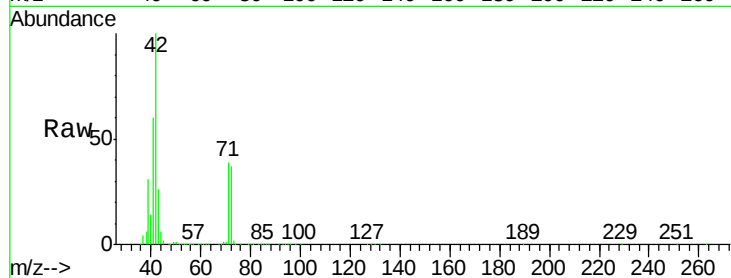
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	682896
Ion Ratio		Lower	Upper
42	100		
72	39.9	33.0	49.4
71	39.1	31.0	46.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.001 ppbv

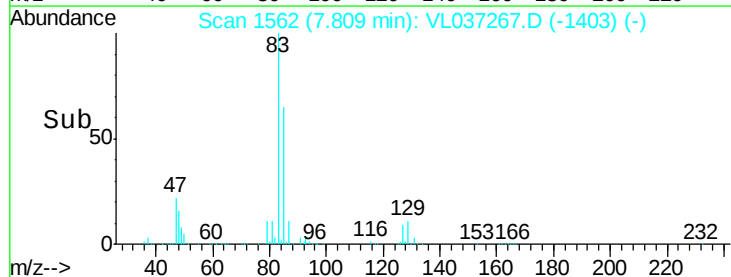
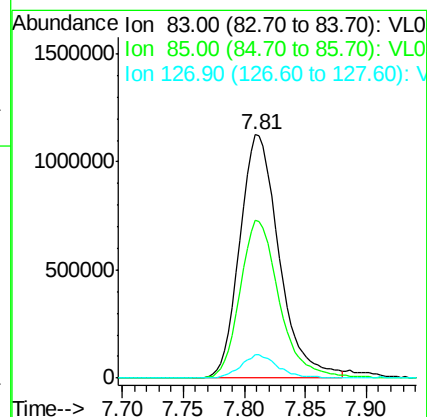
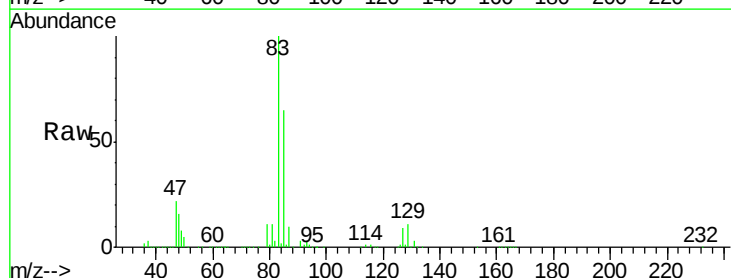
RT: 7.81 min Scan# 1562

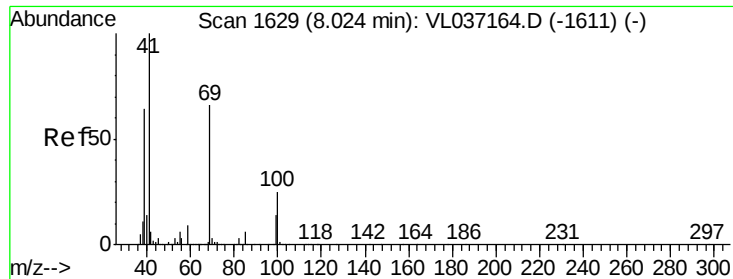
Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Tgt Ion:	83	Resp:	2524853
Ion Ratio		Lower	Upper
83	100		
85	64.6	50.8	76.2
127	9.4	7.0	10.6





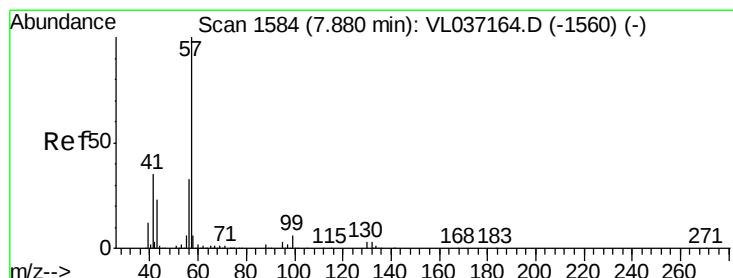
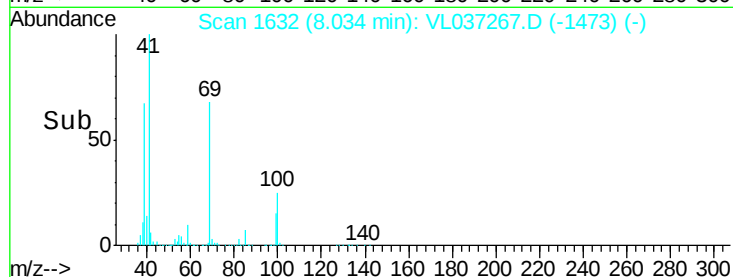
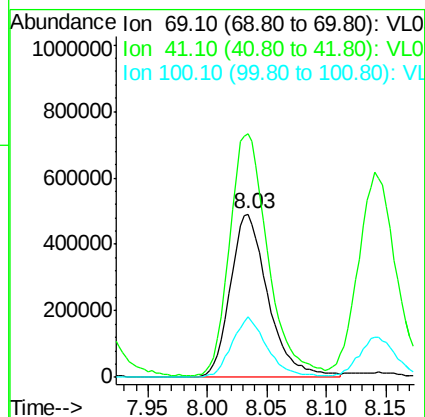
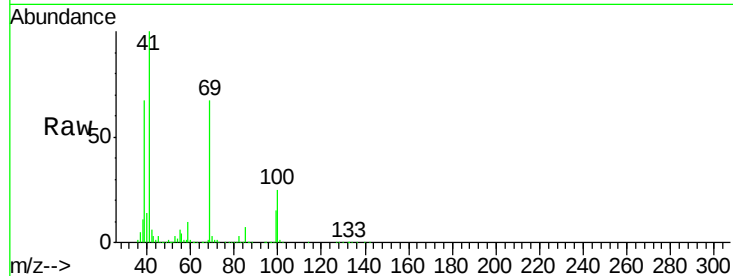
#43
Methvl Methacrilate
Concen: 9.923 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1079549
Ion Ratio Lower Upper
69 100
41 152.0 119.4 179.0
100 34.7 28.6 43.0

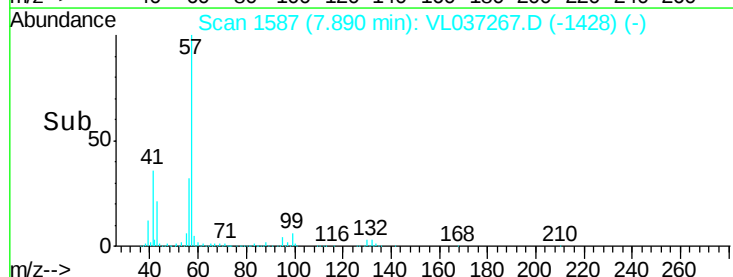
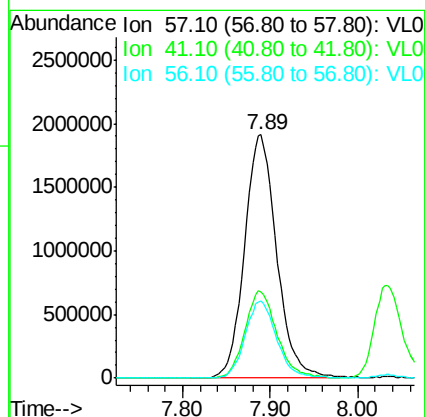
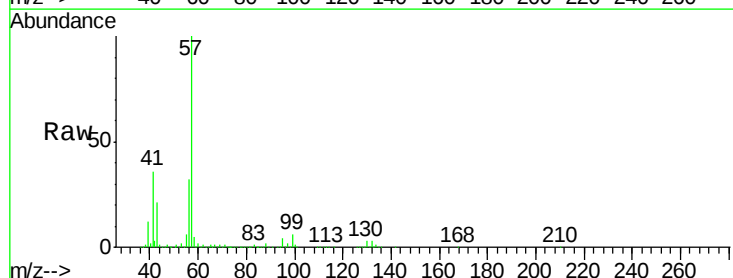
Manual Integrations
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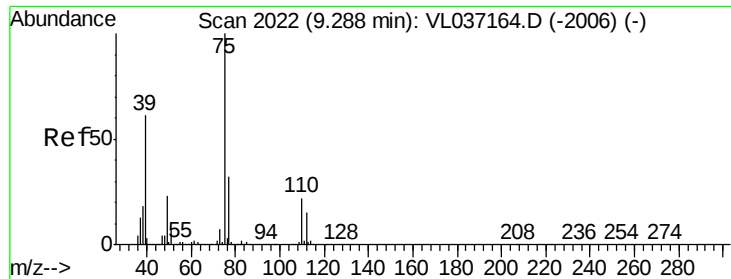
MMDadoda
7/6/2021 6:44:20 PM



#44
2,2,4-Trimethylpentane
Concen: 9.189 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 57 Resp: 4874418
Ion Ratio Lower Upper
57 100
41 35.6 27.6 41.4
56 31.2 25.3 37.9





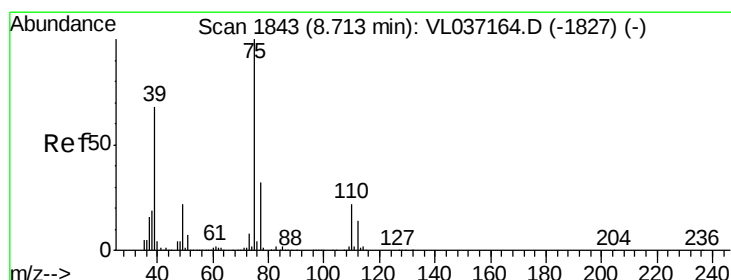
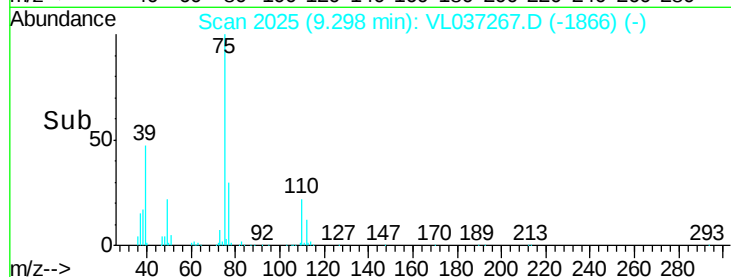
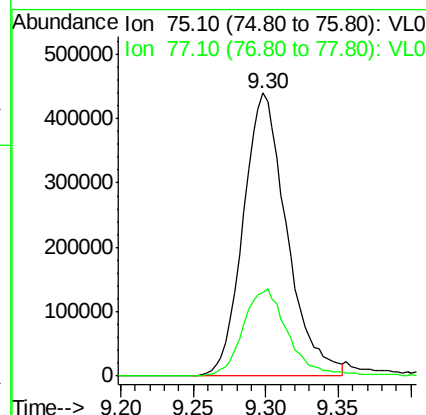
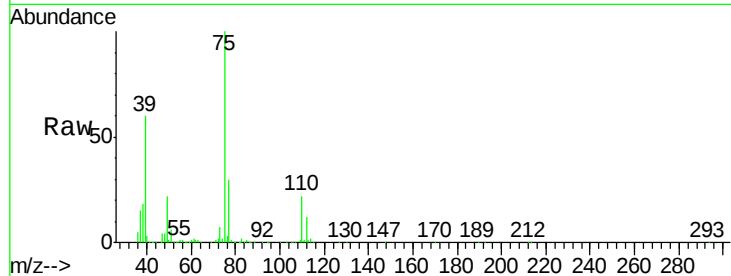
#45
t-1,3-Dichloropropene
Concen: 9.553 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 916955
Ion Ratio Lower Upper
75 100
77 29.6 25.6 38.4

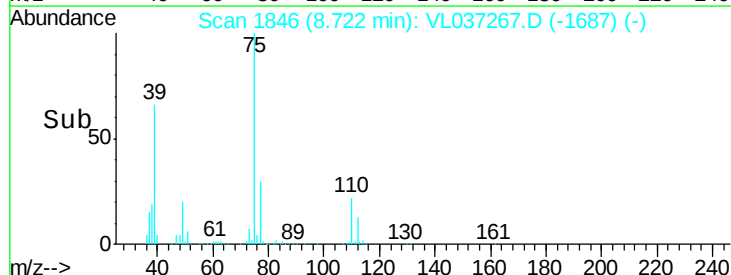
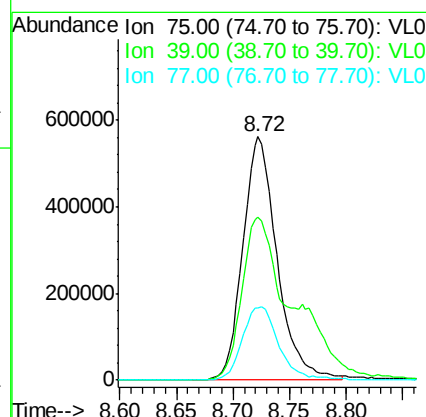
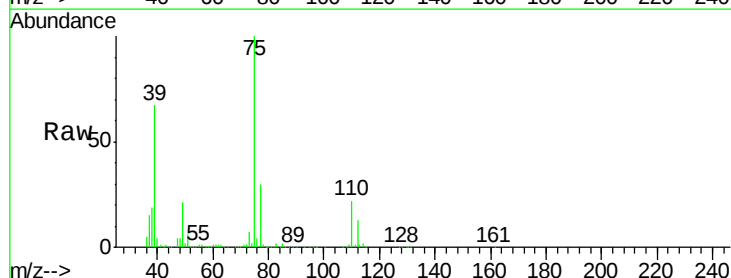
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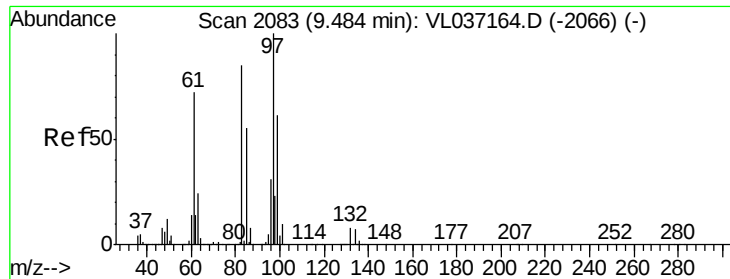
MMDadoda
7/6/2021 6:44:20 PM



#46
cis-1,3-Dichloropropene
Concen: 9.022 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 75 Resp: 1184627
Ion Ratio Lower Upper
75 100
39 66.9 54.7 82.1
77 29.5 25.8 38.8





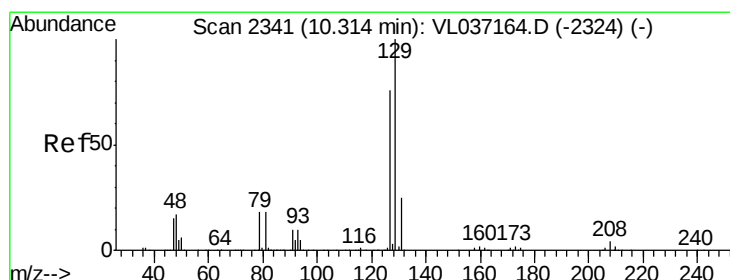
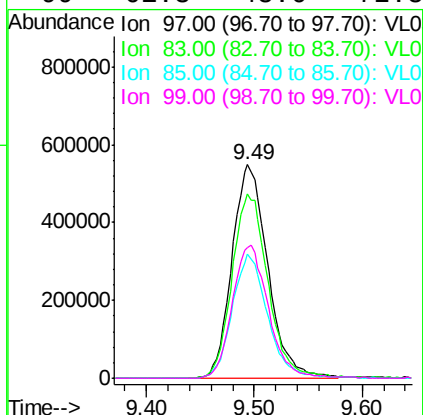
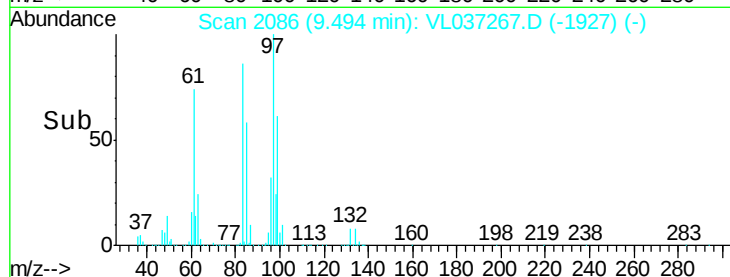
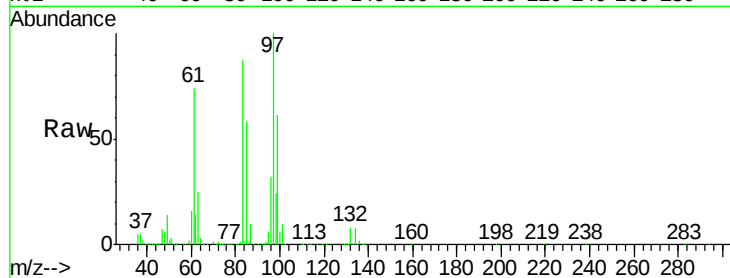
#47
 1,1,2-Trichloroethane
 Concen: 9.442 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.3	102.5
85	57.9	44.1	66.1
99	61.3	48.6	72.8

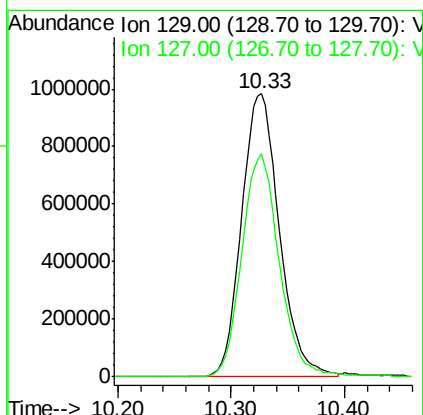
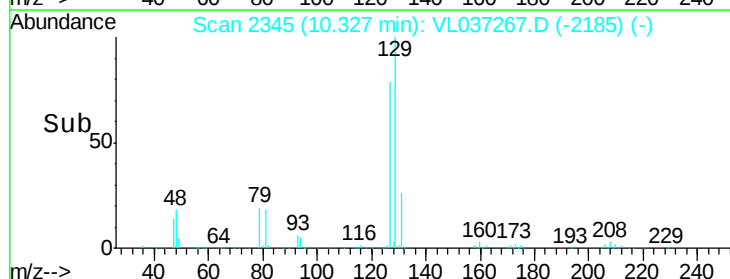
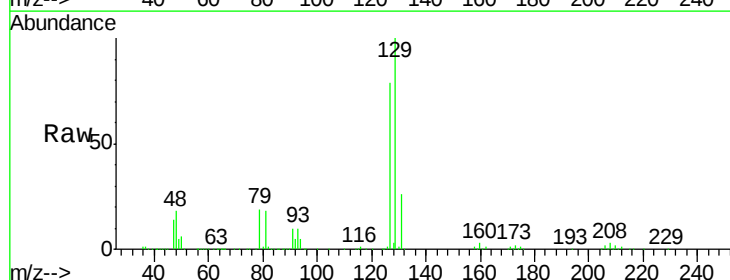
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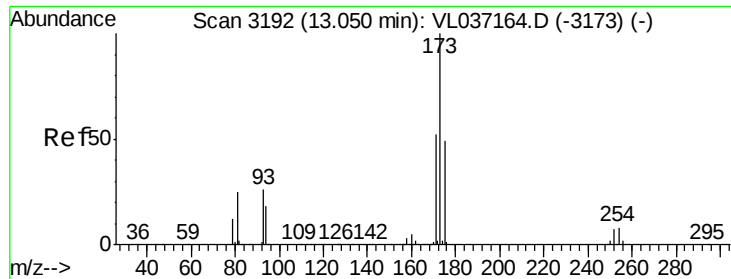
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#48
 Dibromochloromethane
 Concen: 10.836 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.2





#49

Bromoform

Concen: 11.919 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1872023

Ion Ratio Lower Upper

173 100

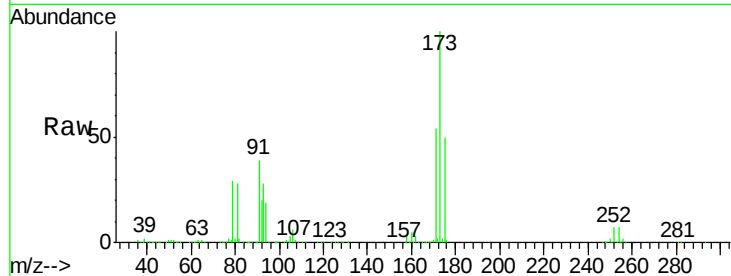
175 50.7 40.2 60.4

171 53.3 41.8 62.8

Manual Integrations
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MMDadoda

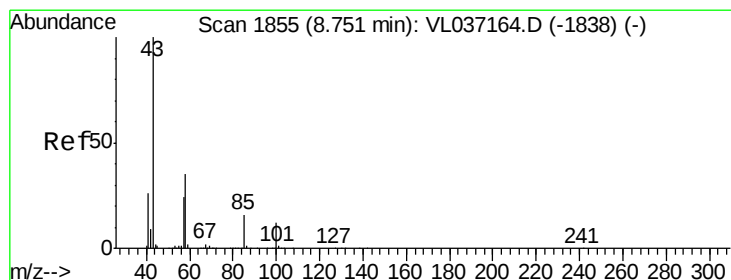
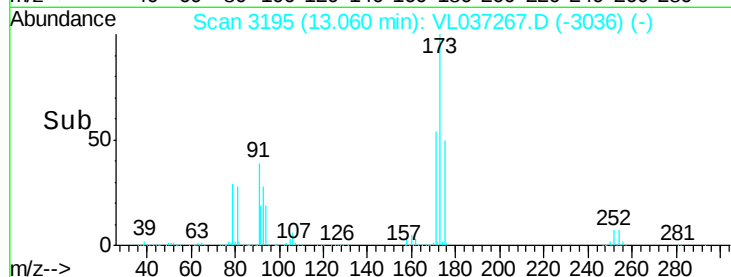
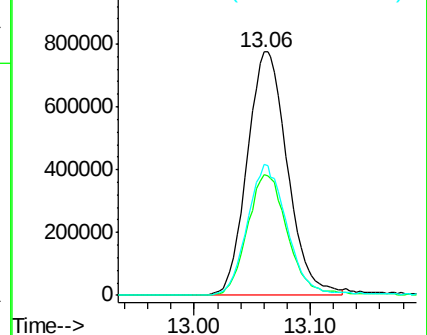
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.936 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL037267.D

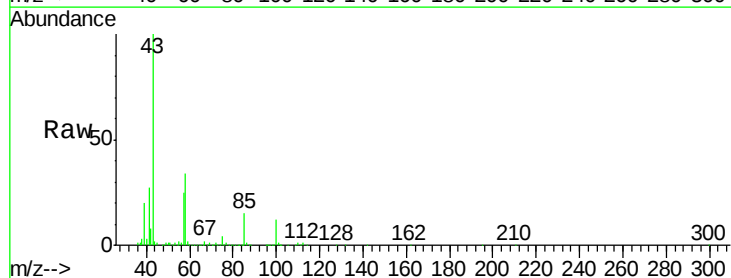
Acq: 2 Jul 2021 9:08

Tgt Ion: 43 Resp: 2067592

Ion Ratio Lower Upper

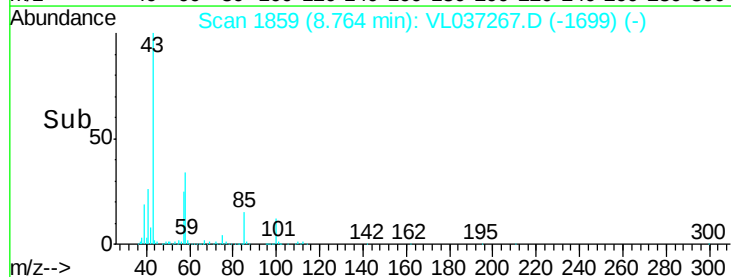
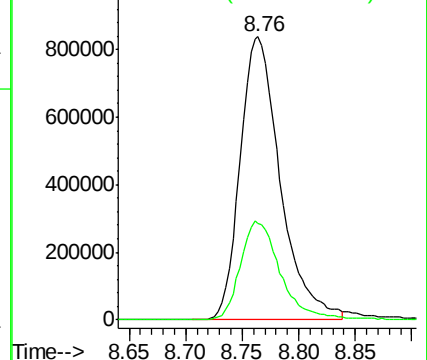
43 100

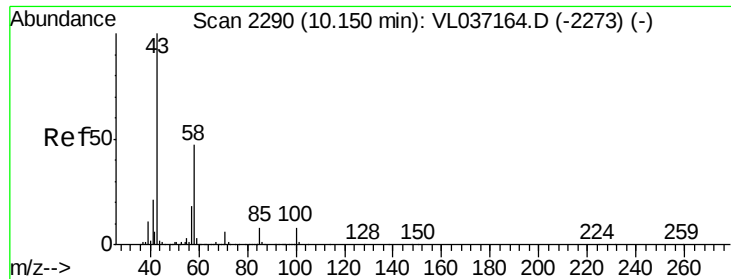
58 35.1 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





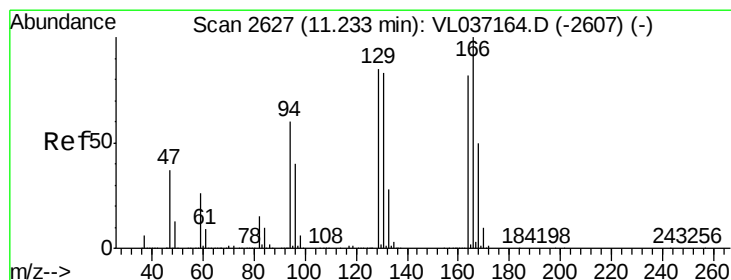
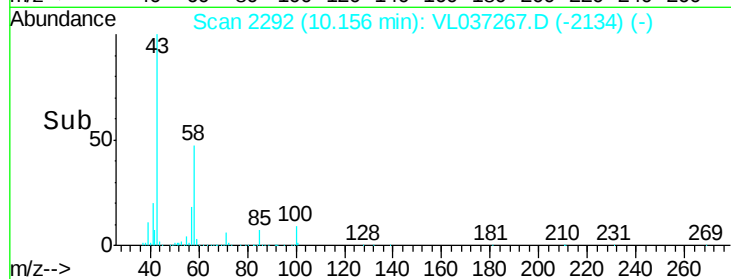
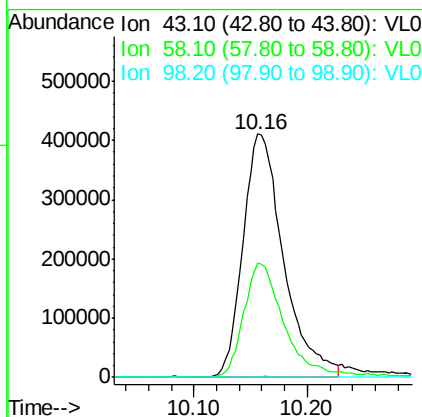
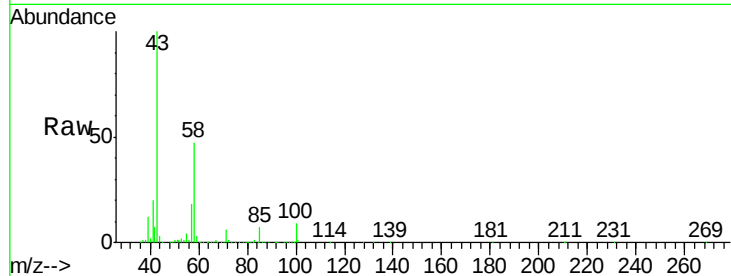
#51
2-Hexanone
Concen: 10.119 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1024510
Ion Ratio Lower Upper
43 100
58 47.8 38.4 57.6
98 0.5 0.3 0.5#

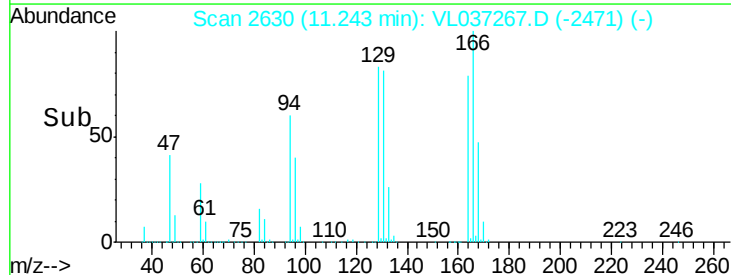
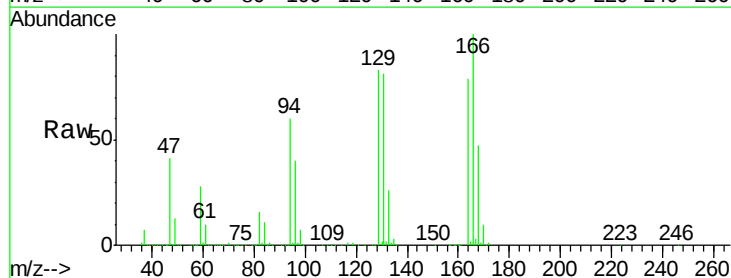
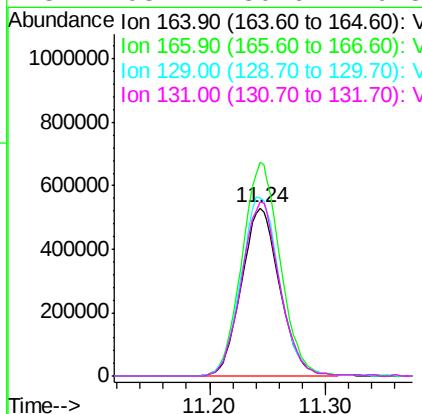
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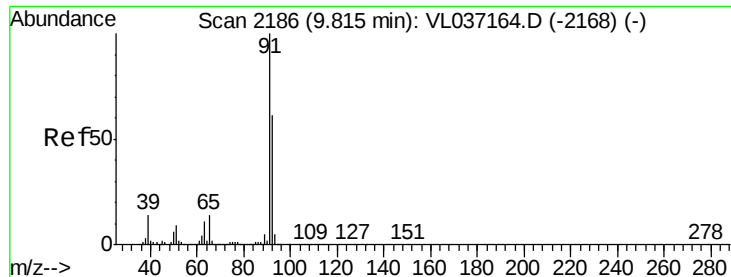
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#52
Tetrachloroethene
Concen: 8.262 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 164 Resp: 1209357
Ion Ratio Lower Upper
164 100
166 127.1 97.6 146.4
129 105.8 82.9 124.3
131 103.4 80.6 120.8





#53

Toluene

Concen: 9.359 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3521777

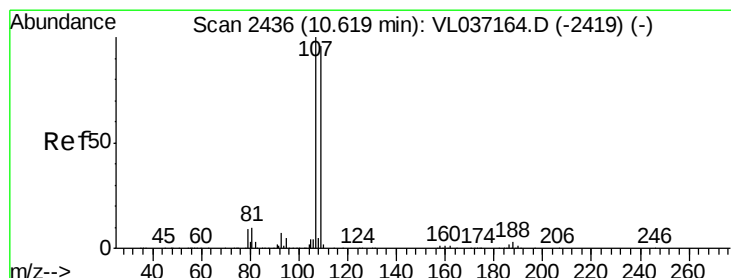
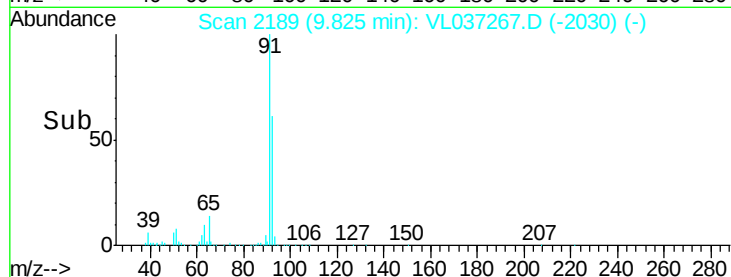
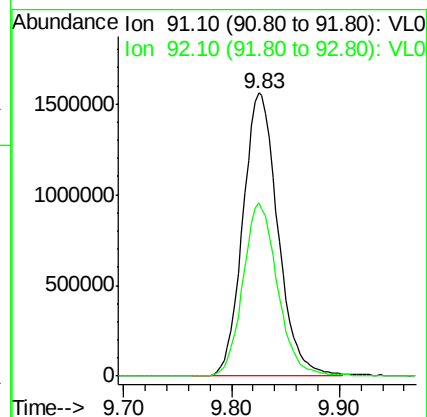
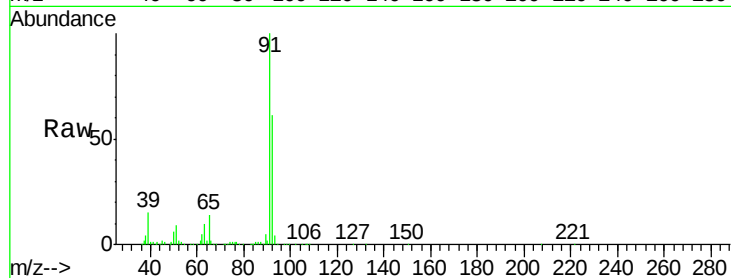
Ion Ratio Lower Upper

91 100

92 60.8 48.3 72.5

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#54

1,2-Dibromoethane

Concen: 9.753 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL037267.D

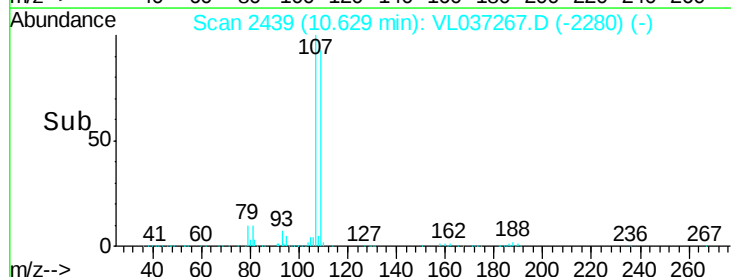
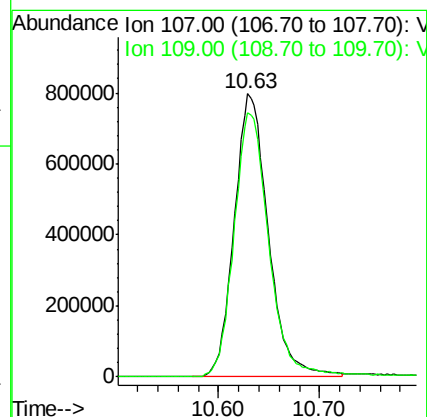
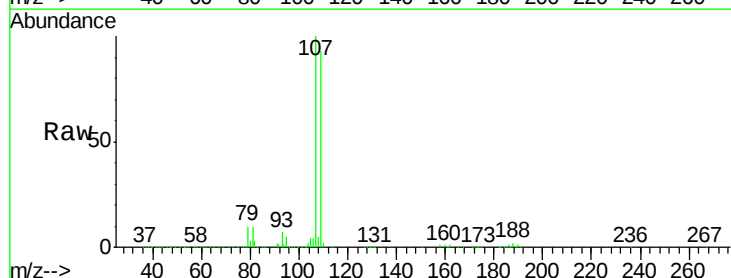
Acq: 2 Jul 2021 9:08

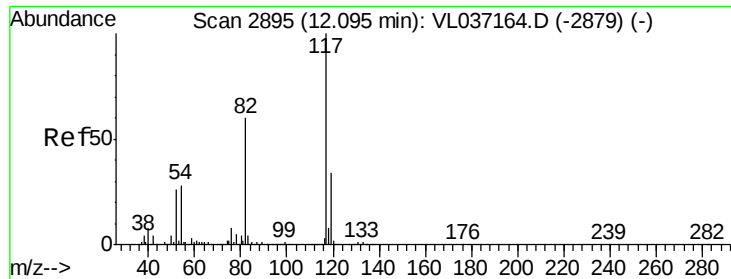
Tgt Ion: 107 Resp: 1871807

Ion Ratio Lower Upper

107 100

109 93.3 77.0 115.6





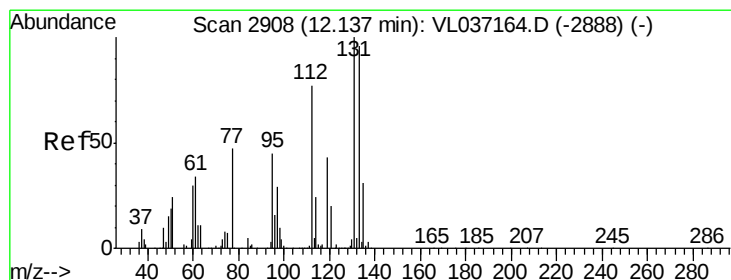
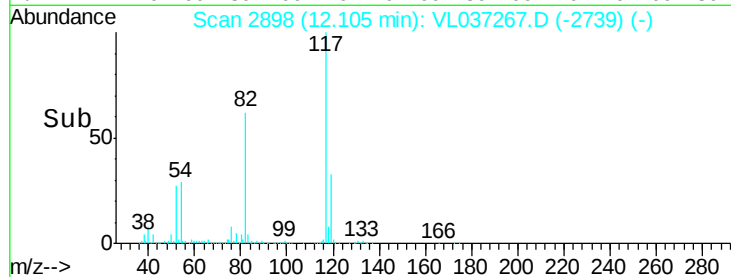
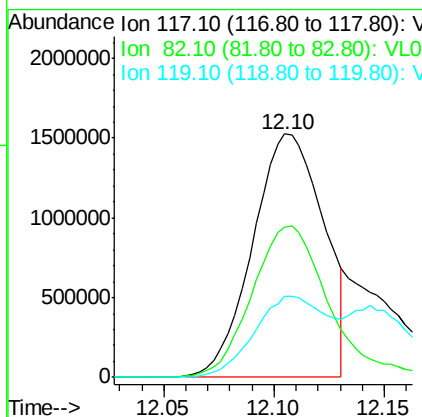
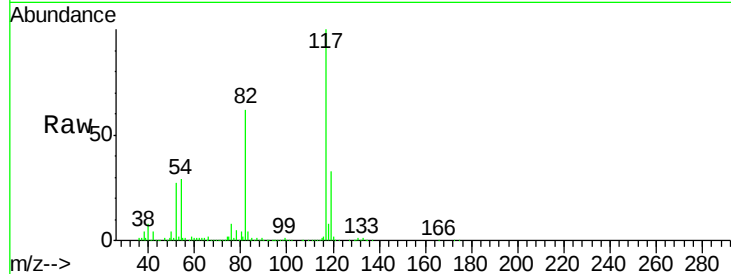
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3427564
Ion Ratio Lower Upper
117 100
82 68.9 51.7 77.5
119 35.5 47.6 71.4#

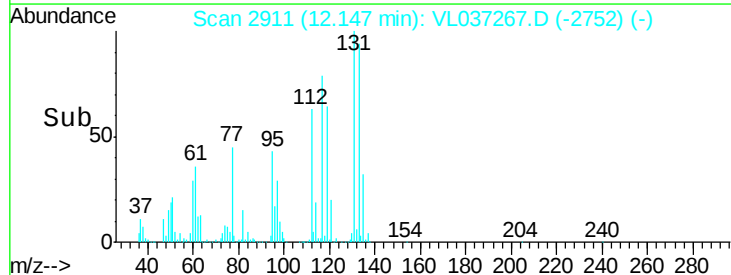
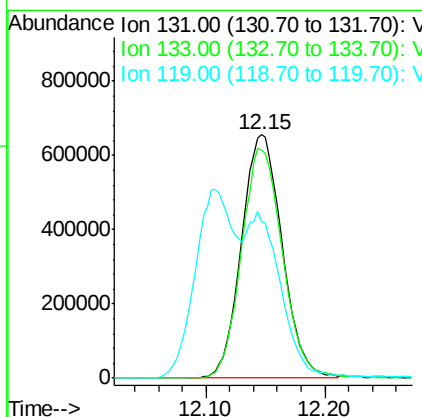
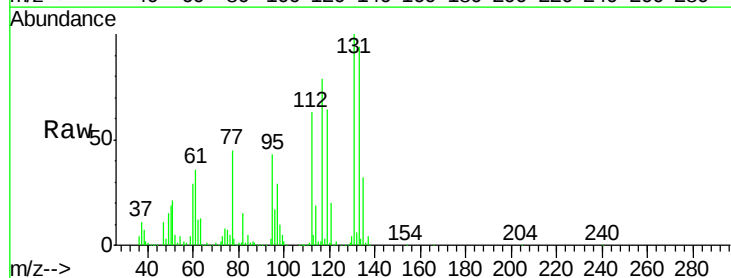
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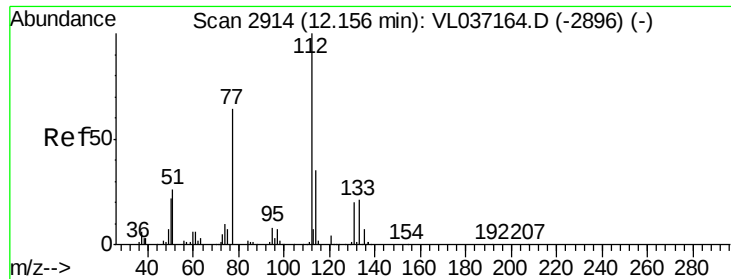
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.366 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion:131 Resp: 1553414
Ion Ratio Lower Upper
131 100
133 95.9 76.5 114.7
119 137.0 48.6 72.8#





#57

Chlorobenzene

Concen: 9.669 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 2687668

Ion Ratio Lower Upper

112 100

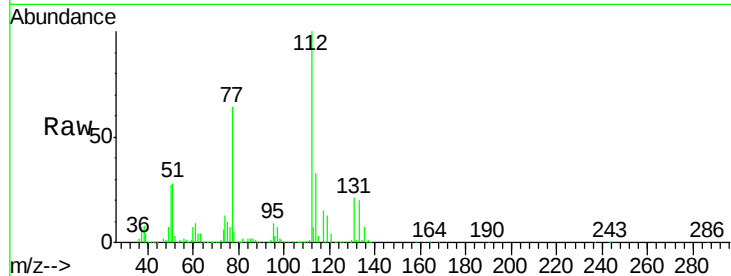
77 63.0 52.2 78.4

114 33.1 31.1 38.1

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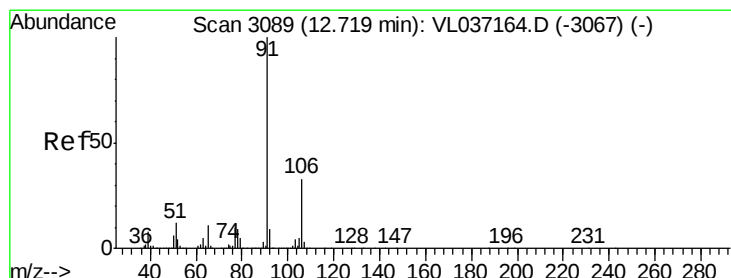
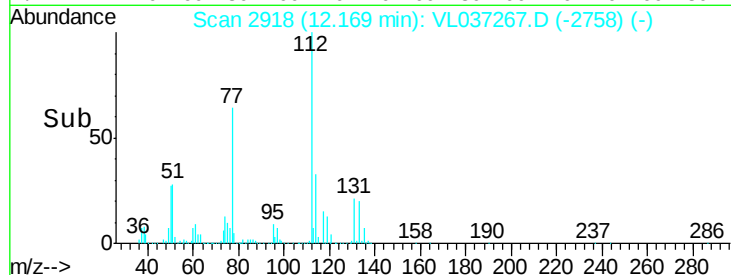
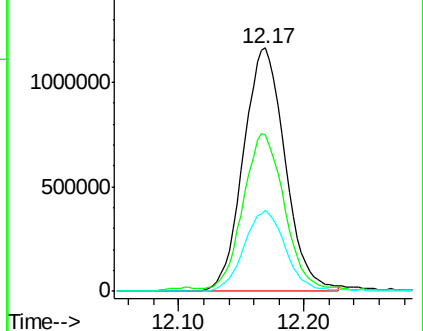
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.054 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.01 min

Lab File: VL037267.D

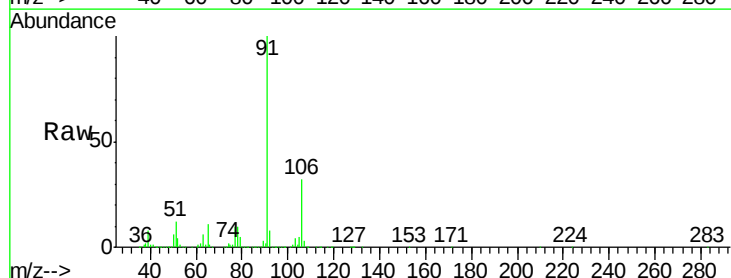
Acq: 2 Jul 2021 9:08

Tgt Ion: 91 Resp: 4743962

Ion Ratio Lower Upper

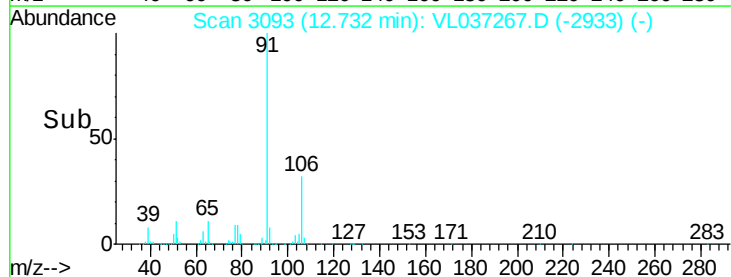
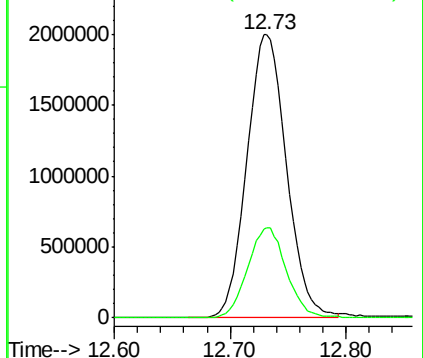
91 100

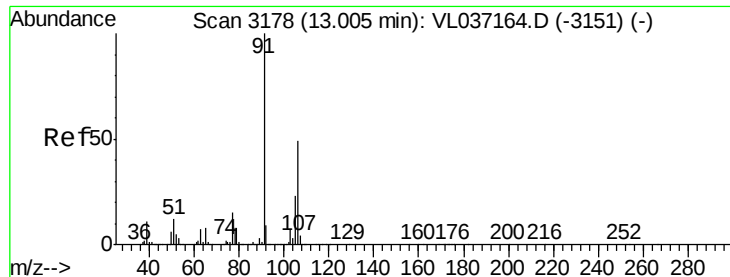
106 31.7 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





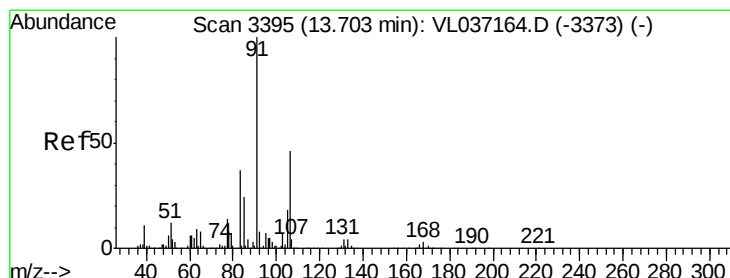
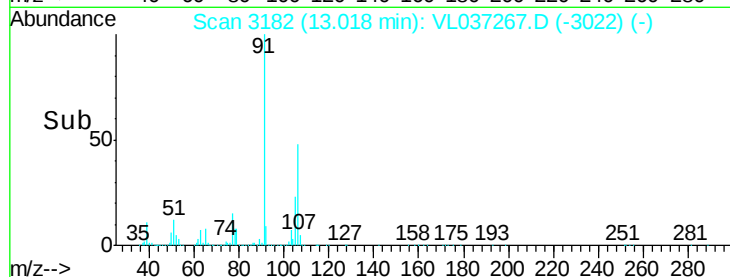
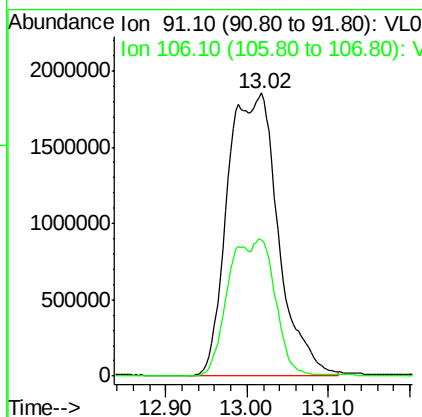
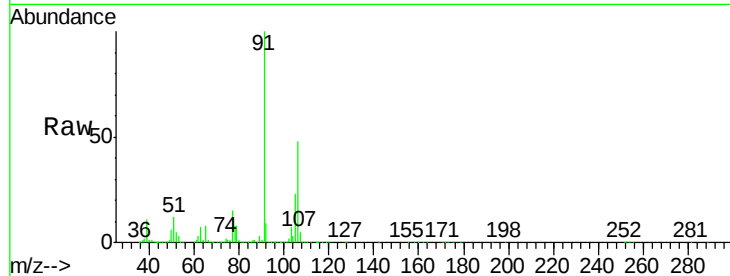
#59
m/p-Xylene
Concen: 20.107 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8040156
Ion Ratio Lower Upper
91 100
106 45.1 37.0 55.4

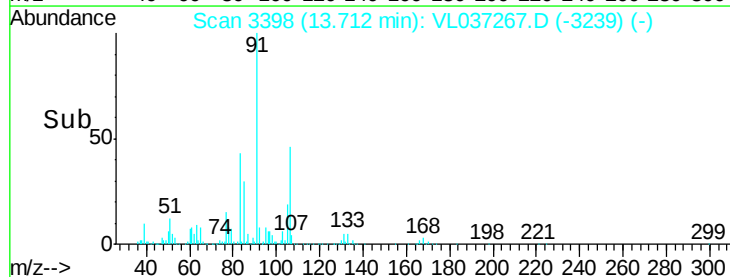
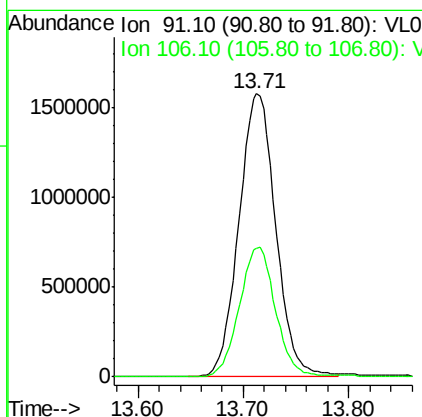
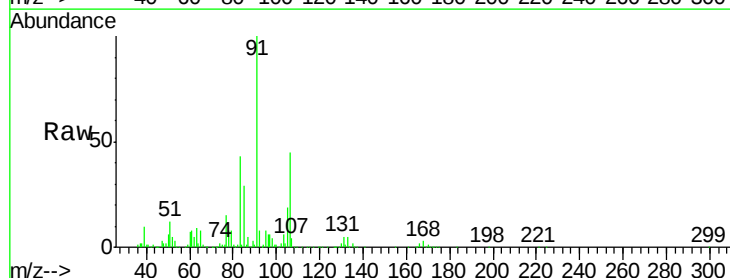
Manual Integrations
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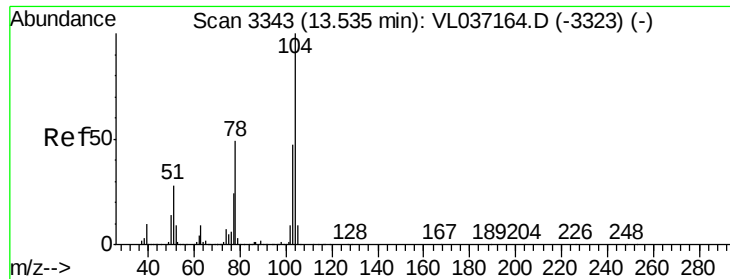
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#60
o-Xylene
Concen: 10.064 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion: 91 Resp: 3831785
Ion Ratio Lower Upper
91 100
106 45.5 23.0 69.0





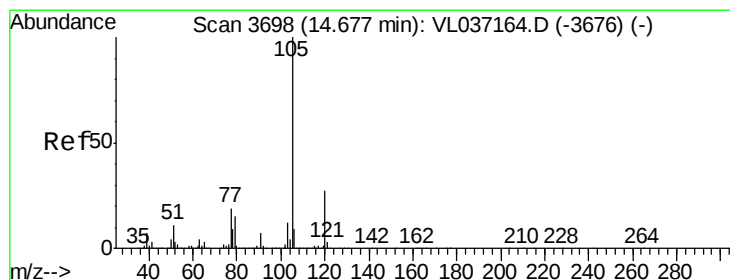
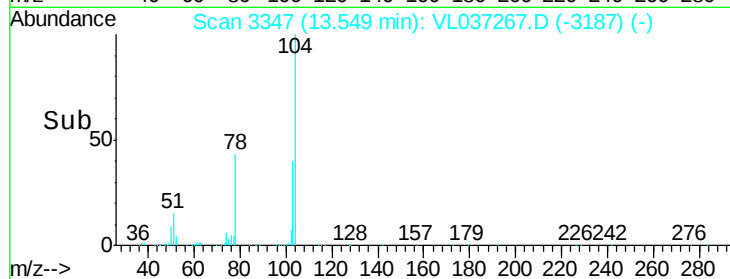
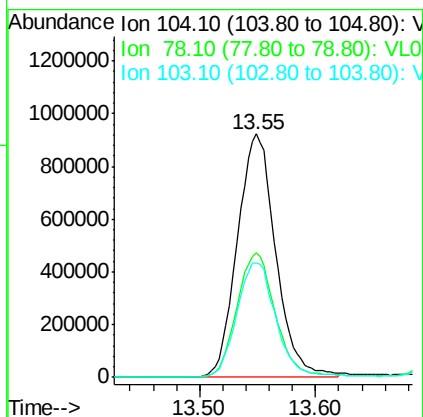
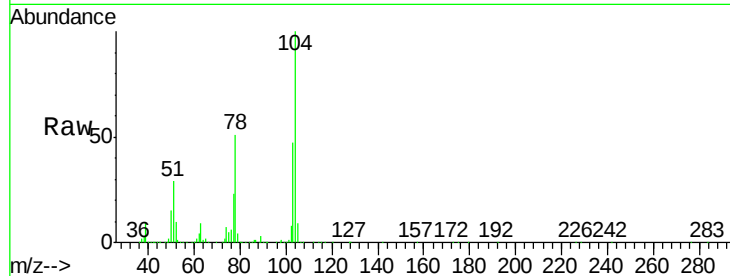
#61
Stvrene
Concen: 10.790 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:104 Resp: 2120343
Ion Ratio Lower Upper
104 100
78 52.0 39.7 59.5
103 48.5 37.6 56.4

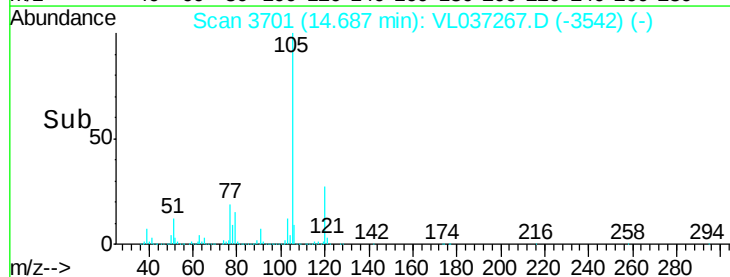
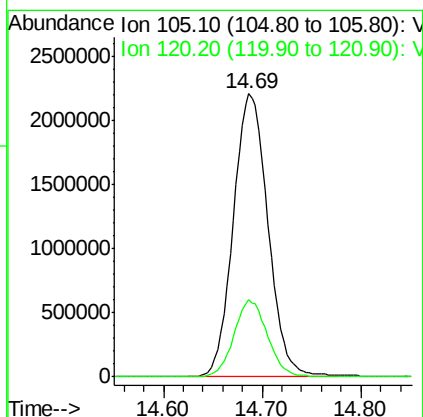
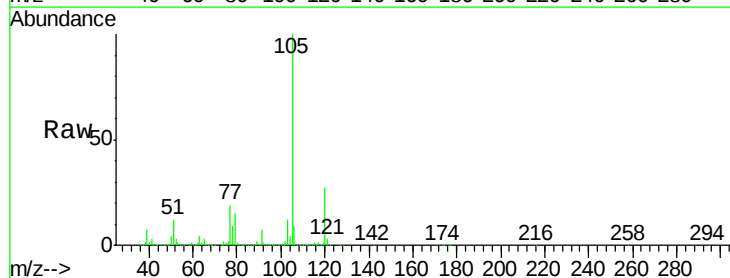
Manual Integrations
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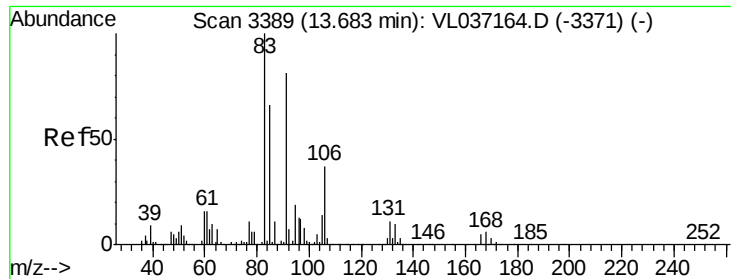
MMDadoda
7/6/2021 6:44:20 PM



#62
Isopropylbenzene
Concen: 9.950 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion:105 Resp: 5386843
Ion Ratio Lower Upper
105 100
120 26.3 21.6 32.4





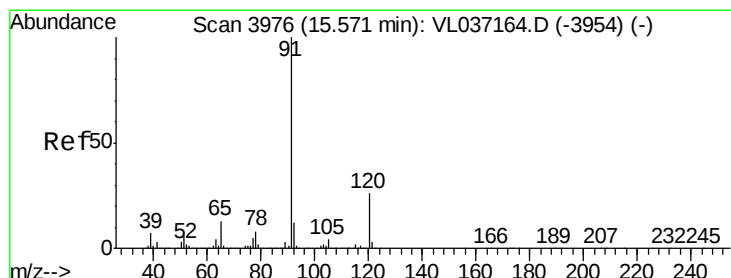
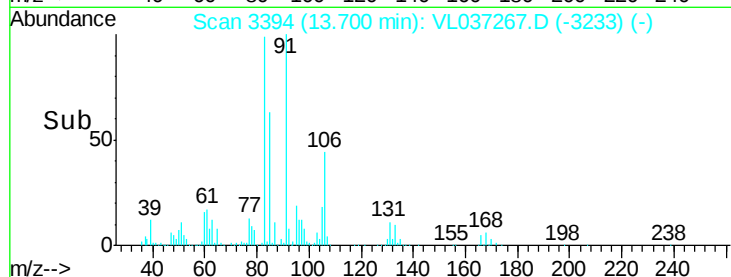
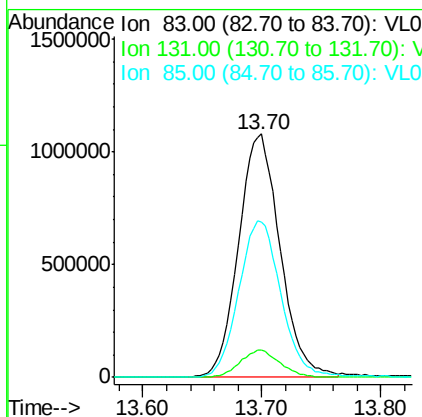
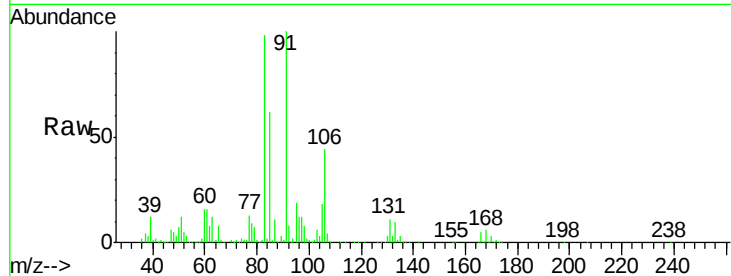
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.258 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. 0.02 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	2600512
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	66.1	33.1	99.2

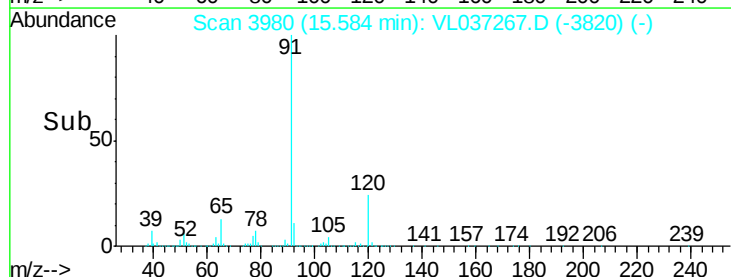
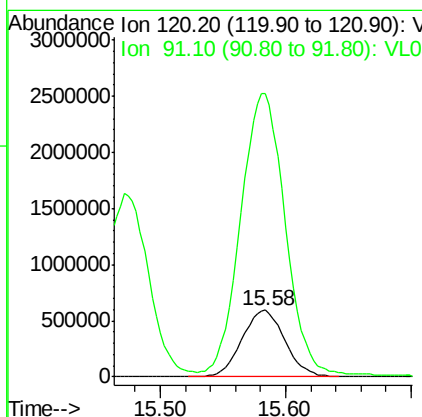
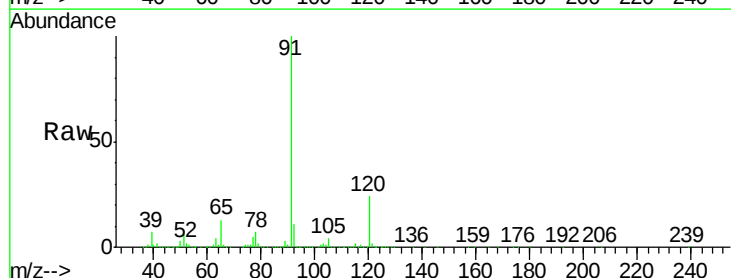
Manual Integrations
 APPROVED

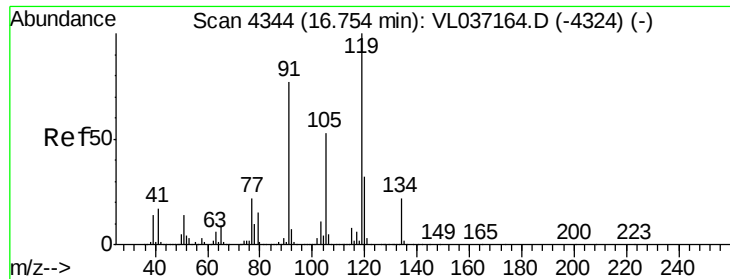
MMDadoda
 7/6/2021 6:44:20 PM



#64
 n-propylbenzene
 Concen: 10.385 ppbv
 RT: 15.58 min Scan# 3980
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Tgt Ion	120	Resp	1408044
Ion Ratio	100	Lower	Upper
120	100		
91	446.9	343.3	514.9





#65

tert-Butylbenzene

Concen: 10.218 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010

Tot Ion:119 Resp: 4906743

Ion Ratio Lower Upper

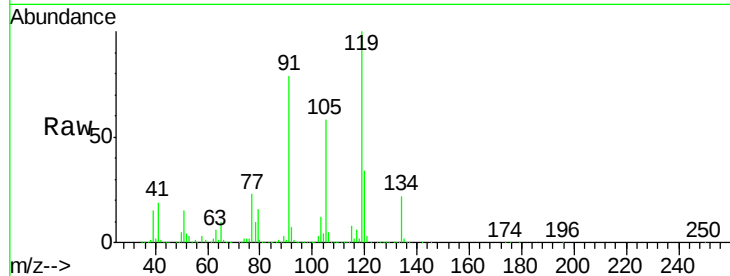
119 100

91 79.4 62.6 93.8

134 20.4 16.2 24.4

Manual Integrations
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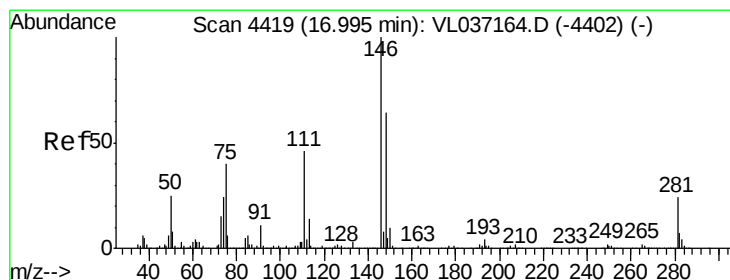
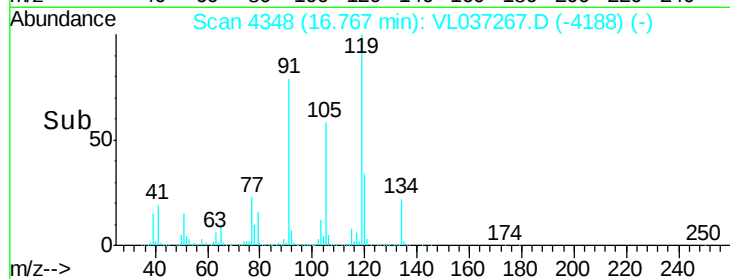
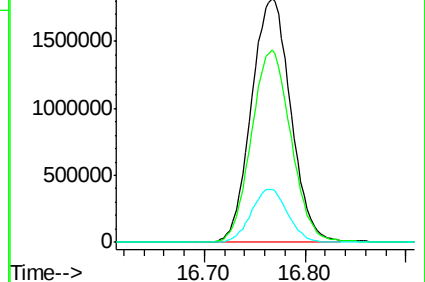
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.640 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.02 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

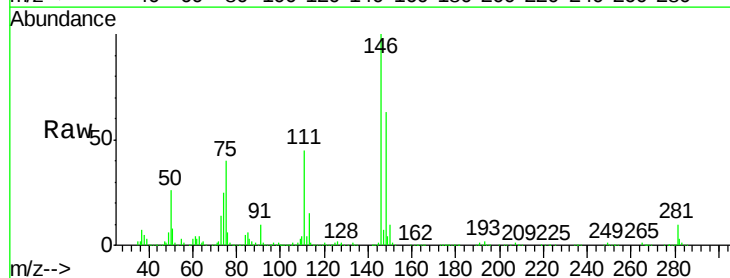
Tgt Ion: 91 Resp: 216505

Ion Ratio Lower Upper

91 100

126 18.4 15.5 23.3

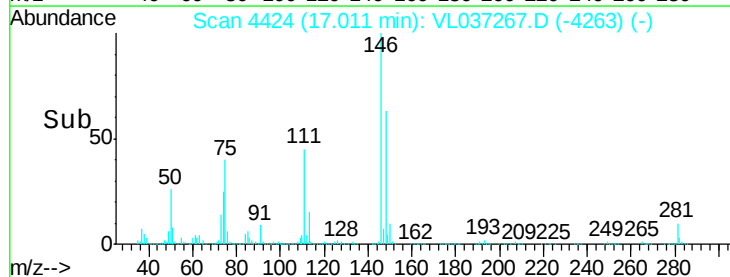
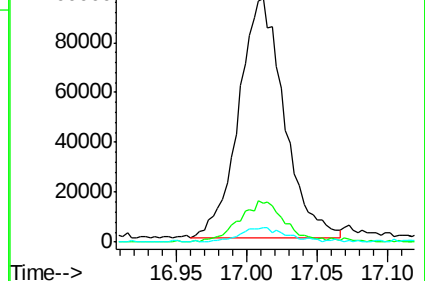
128 7.3 5.7 8.5

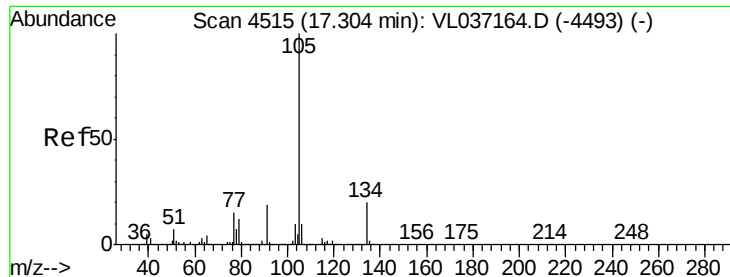


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.194 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 6527264

Ion Ratio Lower Upper

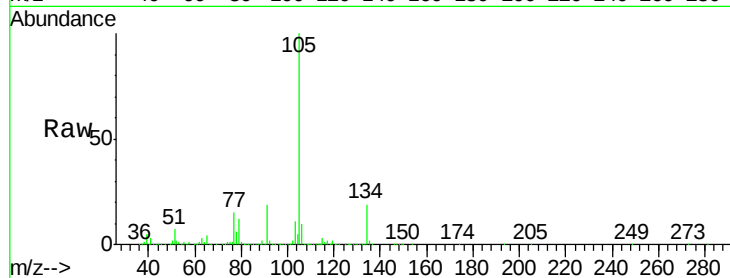
105 100

134 19.4 15.8 23.6

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

3000000

2500000

2000000

1500000

1000000

500000

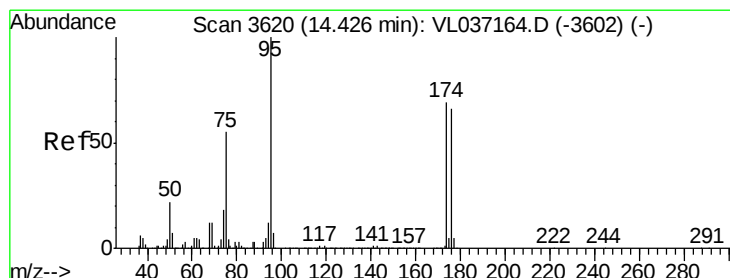
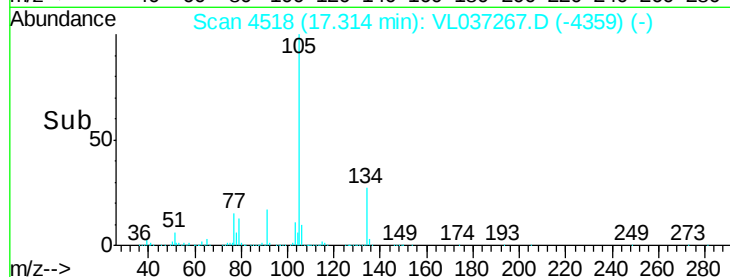
0

17.20

17.31

17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 11.067 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

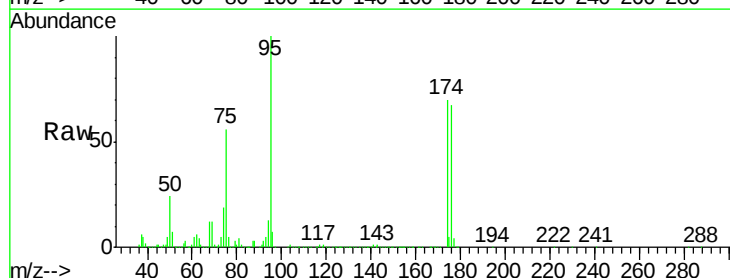
Tgt Ion: 95 Resp: 2874398

Ion Ratio Lower Upper

95 100

174 70.3 57.0 85.4

175 5.2 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

1500000

1000000

500000

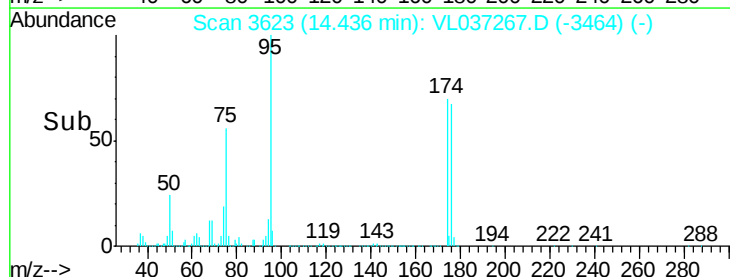
0

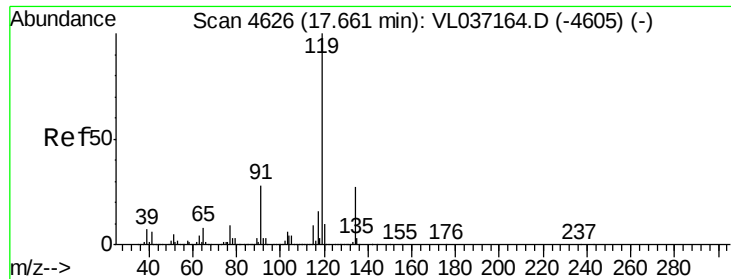
14.30

14.44

14.50

Time-->





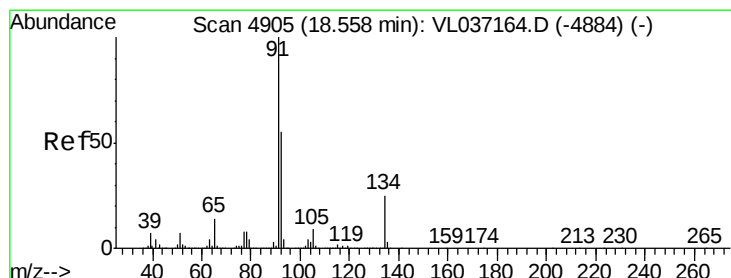
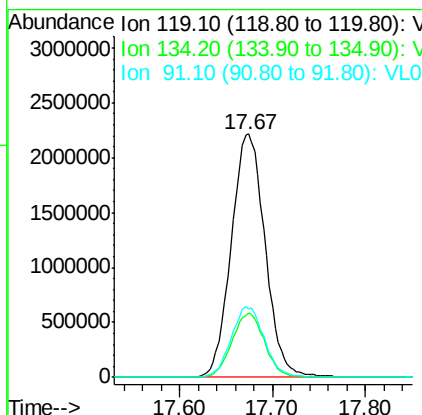
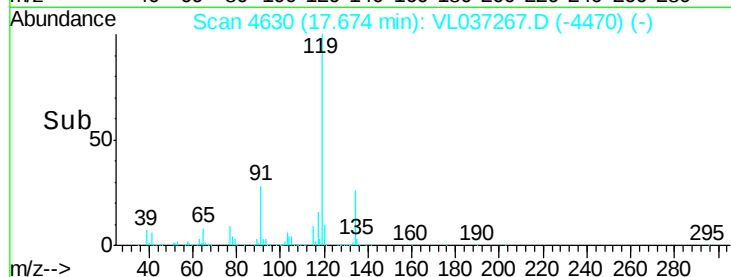
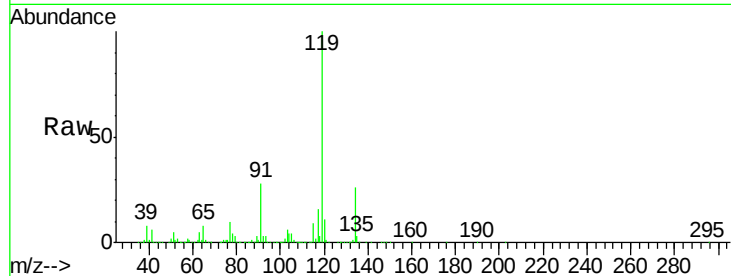
#69
 p-Isopropyltoluene
 Concen: 10.349 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.9	31.3
91	28.4	22.6	34.0

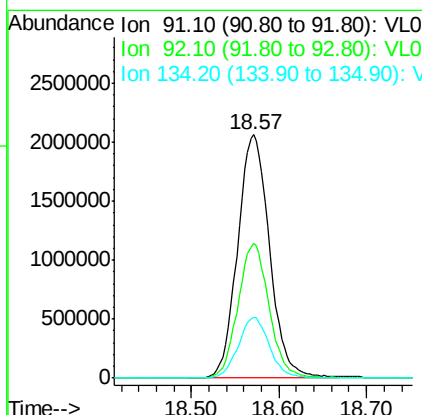
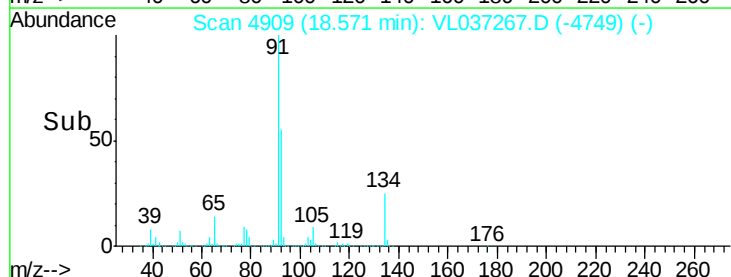
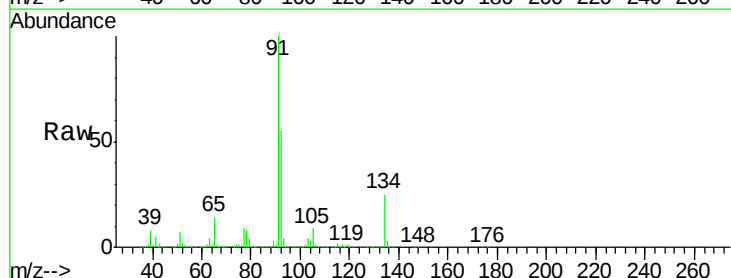
Manual Integrations
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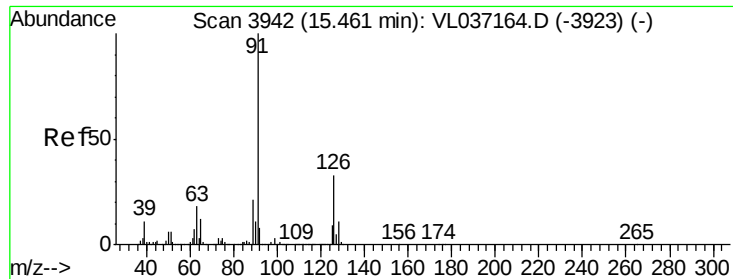
MMDadoda
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#70
 n-Butylbenzene
 Concen: 10.437 ppbv
 RT: 18.57 min Scan# 4909
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.0	66.0
134	24.5	20.2	30.4





#71

2-Chlorotoluene

Concen: 10.363 ppbv

RT: 15.47 min Scan# 3945

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3922829

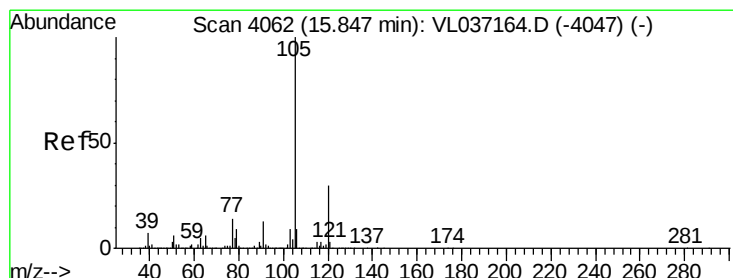
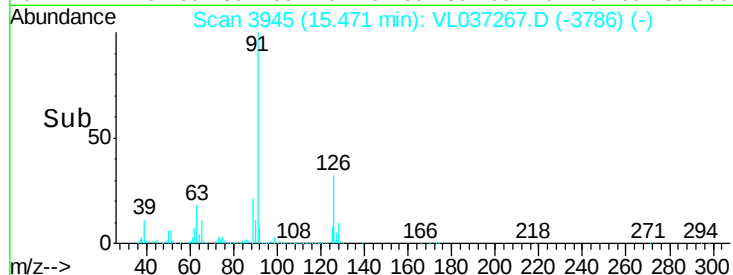
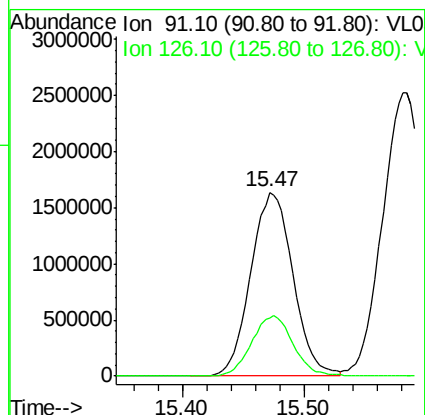
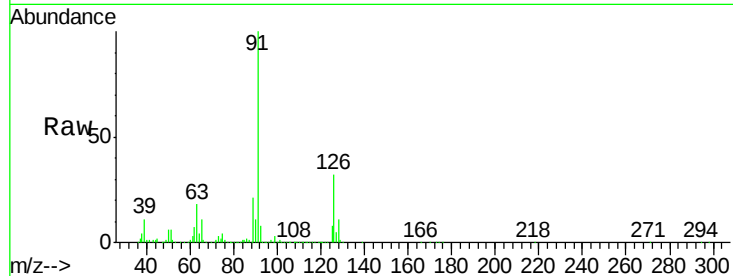
Ion Ratio Lower Upper

91 100

126 32.6 13.5 54.1

Manual Integrations
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#72

4-Ethyltoluene

Concen: 10.440 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Tgt Ion: 105 Resp: 4515729

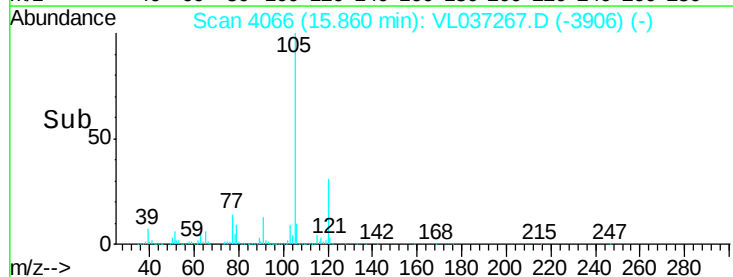
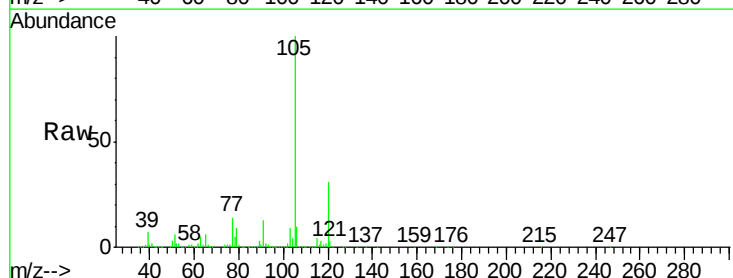
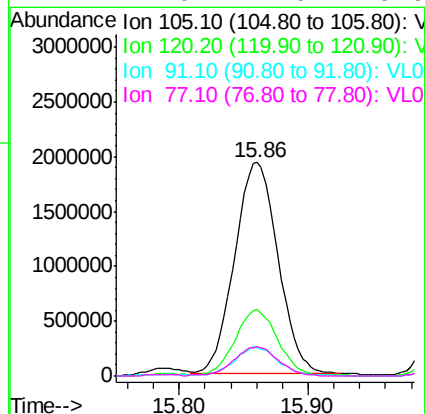
Ion Ratio Lower Upper

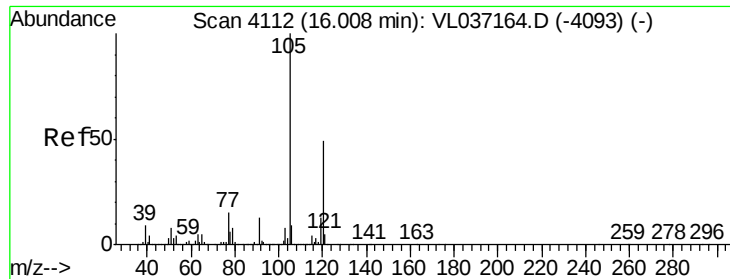
105 100

120 31.2 24.7 37.1

91 13.3 10.2 15.4

77 14.0 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 10.109 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4226439

Ion Ratio Lower Upper

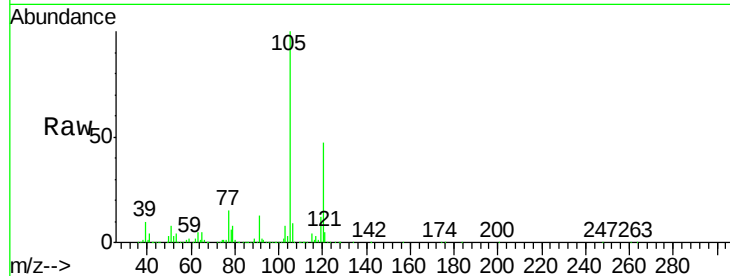
105 100

120 47.4 39.4 59.2

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

Ion 120.20 (119.90 to 120.90): V

16.02

2000000

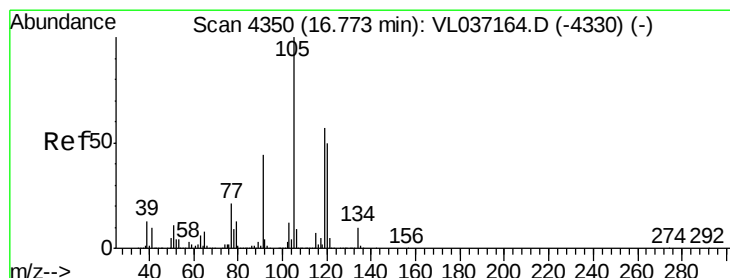
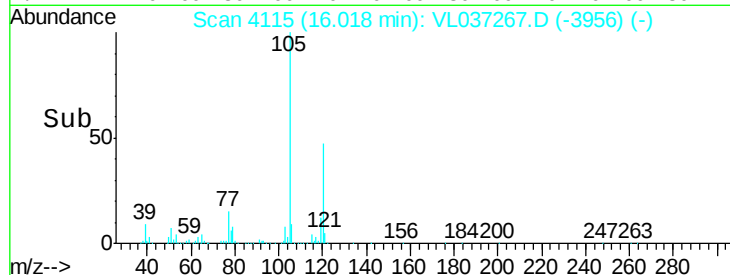
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.233 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Tgt Ion:105 Resp: 4408497

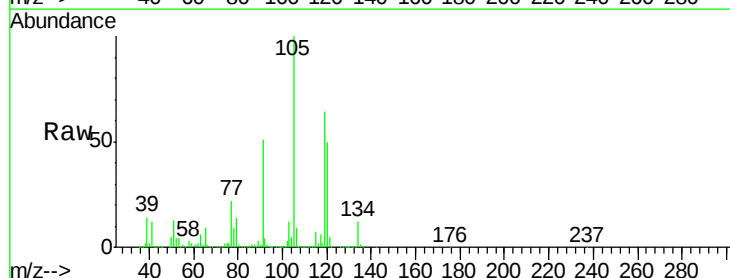
Ion Ratio Lower Upper

105 100

120 49.7 39.8 59.8

91 50.5 37.0 55.4

77 21.7 17.0 25.4



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

2500000

2000000

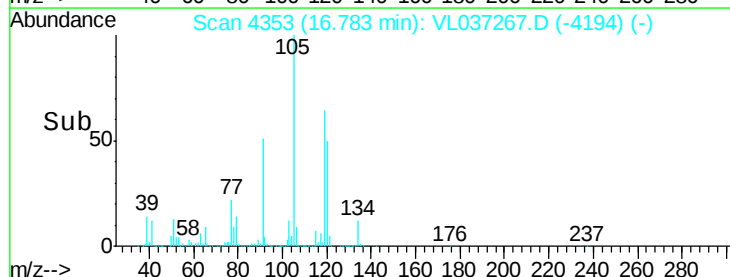
1500000

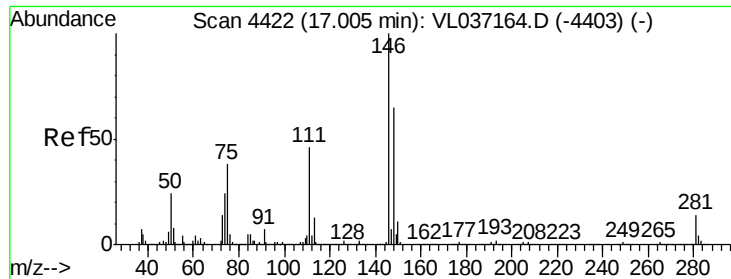
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.970 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2611663

Ion Ratio Lower Upper

146 100

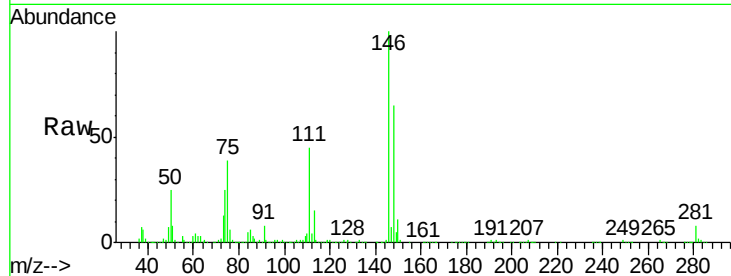
111 45.8 22.2 66.6

148 65.0 32.4 97.2

Manual Integrations
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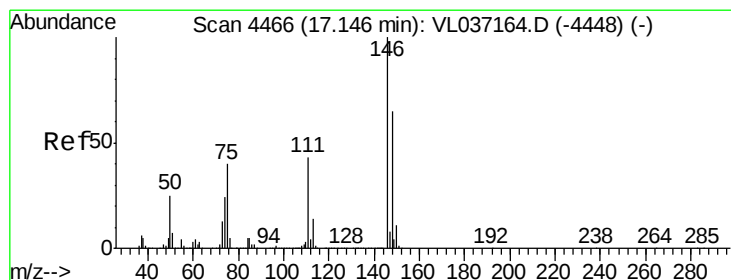
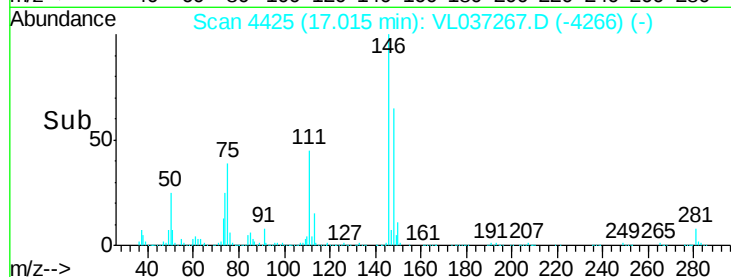
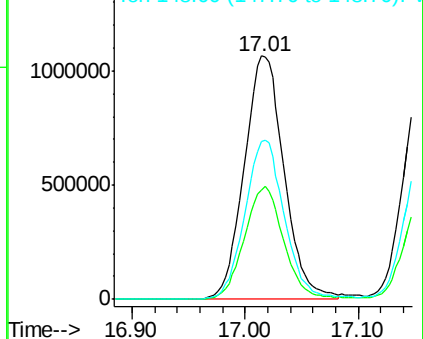
7/6/2021 6:44:20 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.544 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. 0.01 min

Lab File: VL037267.D

Acq: 2 Jul 2021 9:08

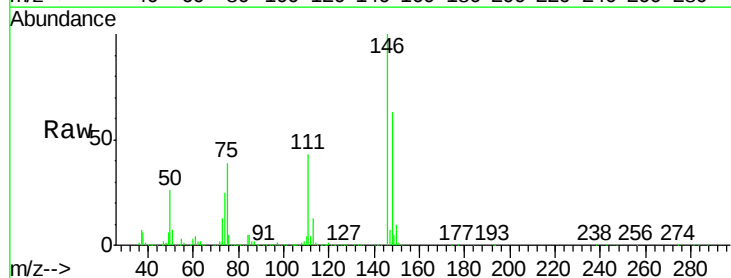
Tgt Ion:146 Resp: 2496933

Ion Ratio Lower Upper

146 100

111 45.5 22.7 68.0

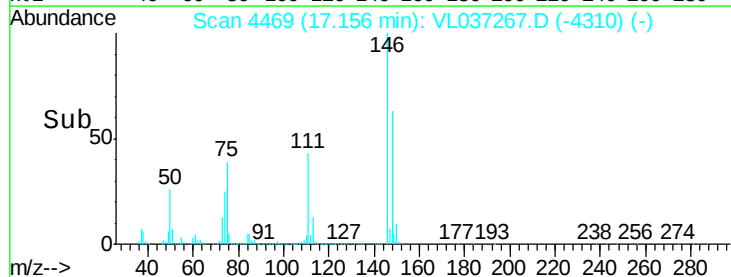
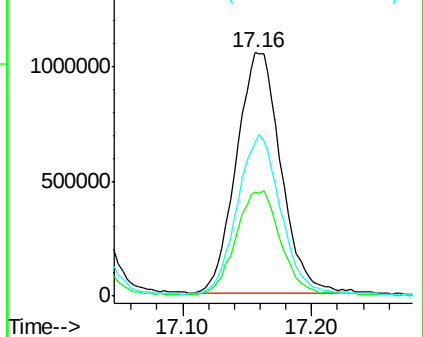
148 67.3 33.7 101.1

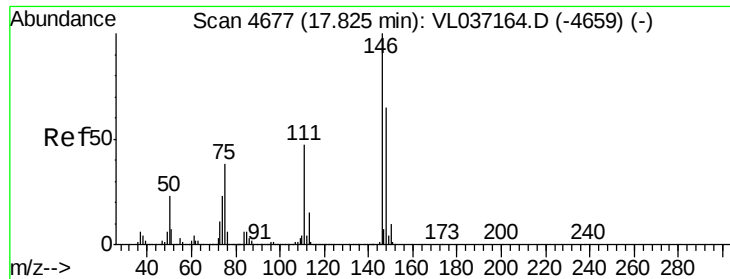


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





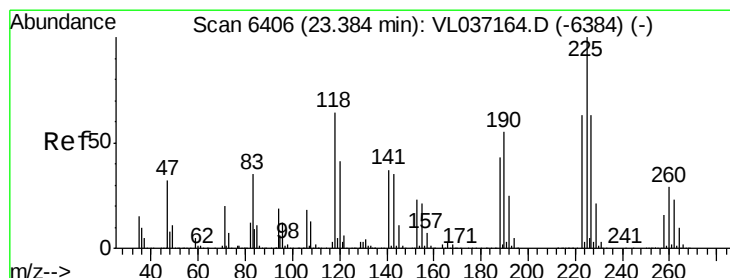
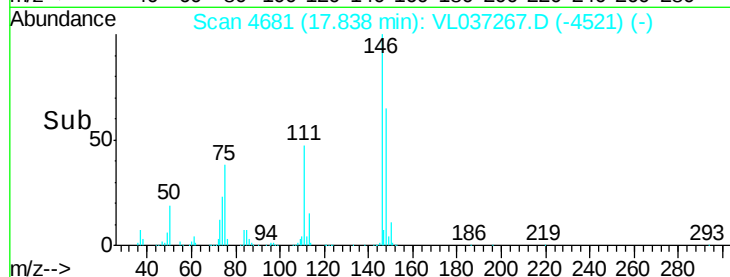
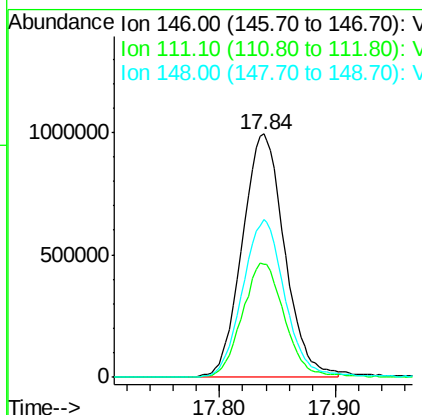
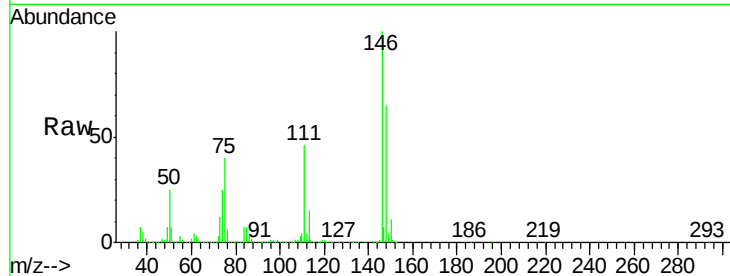
#77
 1,2-Dichlorobenzene
 Concen: 9.893 ppbv
 RT: 17.84 min Scan# 4681
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2506896
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.3 69.8
 148 65.3 32.4 97.0

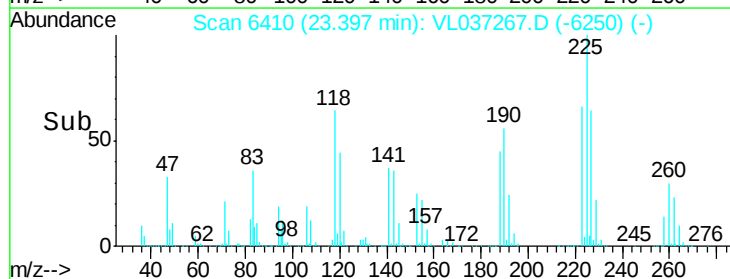
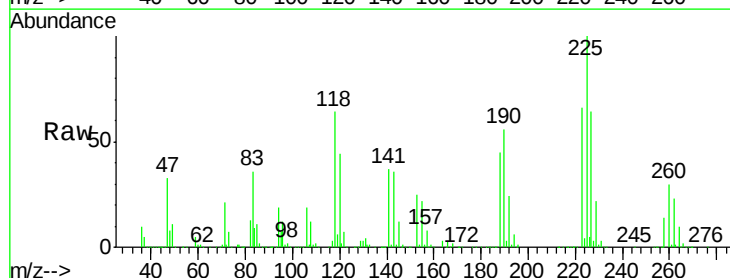
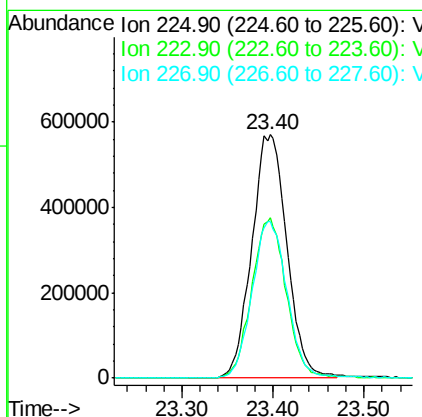
Manual Integrations
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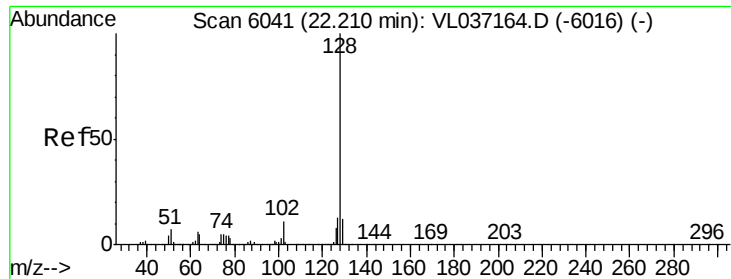
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.042 ppbv m
 RT: 23.40 min Scan# 6410
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Tgt Ion:225 Resp: 1534216
 Ion Ratio Lower Upper
 225 100
 223 65.2 51.8 77.8
 227 64.3 51.4 77.0





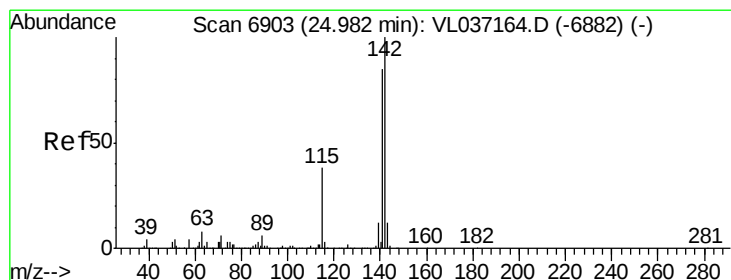
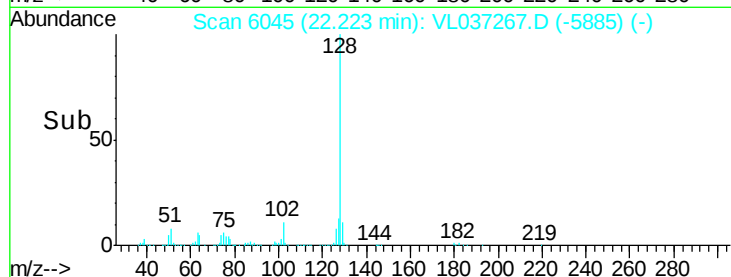
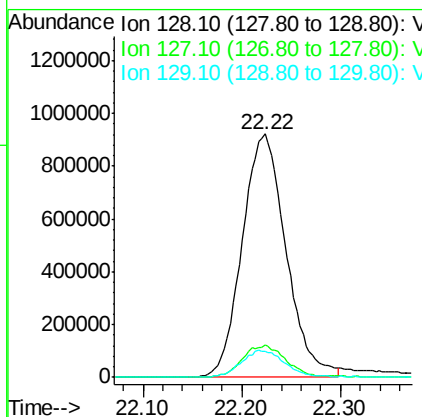
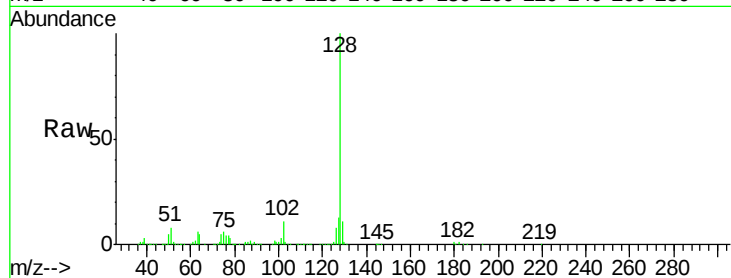
#79
Naphthalene
Concen: 7.883 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	10.8	9.3	13.9

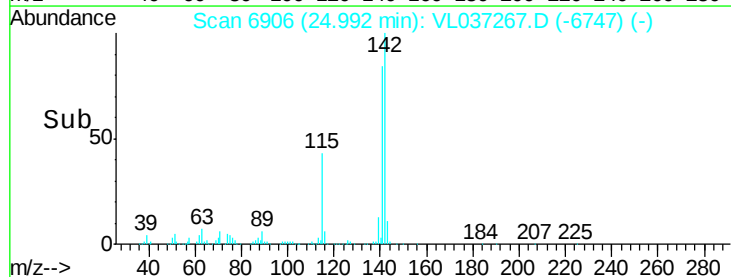
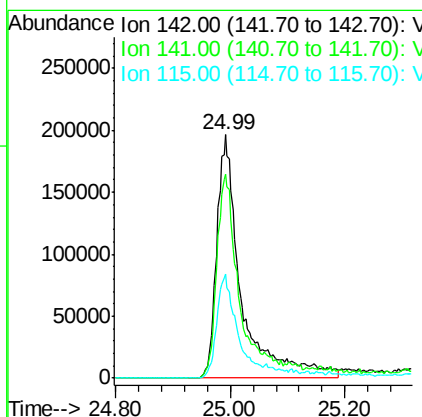
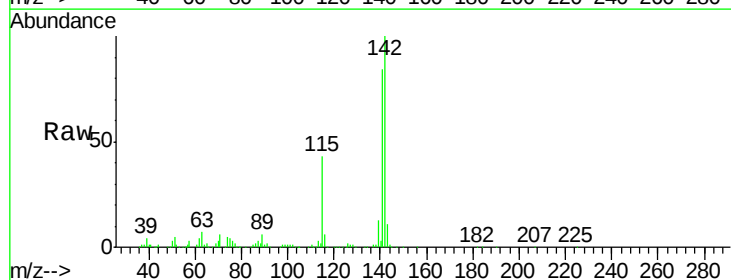
Manual Integrations
APPROVED

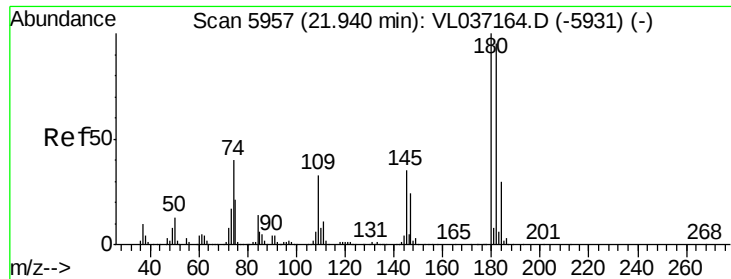
MMDadoda
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#80
Naphthalene, 2-methyl-
Concen: 6.243 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL037267.D
Acq: 2 Jul 2021 9:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.1	63.7	95.5
115	39.7	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.028 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. 0.01 min
 Lab File: VL037267.D
 Acq: 2 Jul 2021 9:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	79.3	118.9
184	31.3	24.7	37.1

Manual Integrations
 APPROVED

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