

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037313.D
 Acq On : 4 Aug 2021 17:24
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 1:39:45 PM

Quant Time: Aug 04 22:28:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 2021
 QLast Update : Wed Aug 04 22:14:21 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1319146	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4195744	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3739003	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2488426	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1917992	7.655	ppbv	100
3) Chlorodifluoromethane	2.98	51	2197517	8.133	ppbv	100
4) Chloromethane	3.14	50	811943	8.475	ppbv	100
5) Vinyl Chloride	3.25	62	893404	8.547	ppbv	100
6) Bromomethane	3.47	94	534864	9.702	ppbv	100
7) Chloroethane	3.55	64	312839	9.681	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	2109401	8.617	ppbv	100
9) Propene	3.00	41	798762	8.327	ppbv	100
10) Heptane	8.11	43	1925108	8.411	ppbv	100
11) Trichlorofluoromethane	3.94	101	2015252	8.199	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1501403	8.350	ppbv	100
13) Ethanol	3.61	45	109844m	11.577	ppbv	
14) Bromoethene	3.74	108	698305	8.806	ppbv	100
15) Acetone	3.84	43	1039651	7.142	ppbv	100
16) 1,3-Butadiene	3.32	39	791259	8.521	ppbv	100
17) tert-Butyl alcohol	4.29	59	1321550	11.615	ppbv	100
18) 1,1-Dichloroethene	4.29	96	695855	8.557	ppbv	100
19) Isopropyl Alcohol	3.97	45	766365	10.464	ppbv	100
20) Methylene Chloride	4.34	84	623676	5.193	ppbv	100
21) Allyl Chloride	4.41	41	1021434	10.306	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	667122	8.884	ppbv	100
23) Vinyl Acetate	5.07	43	1999705	9.197	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1539280	8.474	ppbv	100
25) Ethyl Acetate	5.67	43	3016396	9.001	ppbv	100
26) Hexane	5.68	57	1513369	7.144	ppbv	100
27) Carbon Disulfide	4.55	76	1644785	9.667	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1844297	8.645	ppbv	100
29) Chloroform	5.74	83	2185722	8.160	ppbv	100
30) Cyclohexane	7.12	84	1335527	9.173	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1419966	9.619	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	2167776	9.108	ppbv	100
34) 2-Butanone	5.24	43	1340631	9.068	ppbv	100
35) Carbon Tetrachloride	7.01	117	2258202	8.718	ppbv	100
36) Benzene	6.88	78	3212955	8.432	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1523735	8.568	ppbv	100
38) Trichloroethene	7.83	130	1334857	8.144	ppbv	100
39) 1,2-Dichloropropane	7.61	63	1211742	9.834	ppbv	100
40) 1,4-Dioxane	7.83	88	328502	17.393	ppbv	100
41) Tetrahydrofuran	6.04	42	728890	11.761	ppbv	100
42) Bromodichloromethane	7.78	83	2395812	8.989	ppbv	100
43) Methyl Methacrylate	8.01	69	1128174	9.582	ppbv	100

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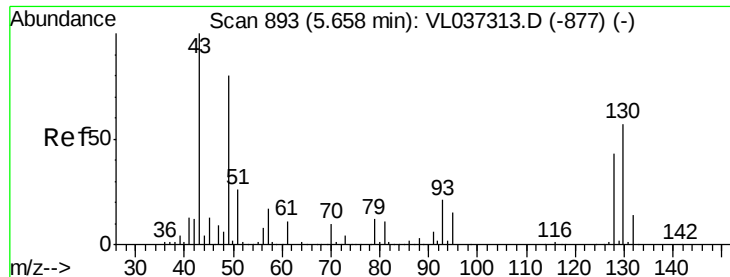
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5167774	8.197	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1069647	11.211	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1408599	9.551	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1277313	9.546	ppbv	100
48) Dibromochloromethane	10.29	129	2082388	9.157	ppbv	100
49) Bromoform	13.03	173	1630045	9.327	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	1976784	9.294	ppbv	100
51) 2-Hexanone	10.14	43	983497	13.848	ppbv #	100
52) Tetrachloroethene	11.21	164	1279436	9.311	ppbv	100
53) Toluene	9.80	91	3750123	8.327	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1874440	9.620	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1382433	8.453	ppbv	100
57) Chlorobenzene	12.14	112	2631352	8.285	ppbv	100
58) Ethyl Benzene	12.70	91	4713548	8.552	ppbv	100
59) m/p-Xylene	12.98	91	7832121m	25.907	ppbv	
60) o-Xylene	13.68	91	3356580	7.875	ppbv	100
61) Styrene	13.52	104	2017157	8.635	ppbv	100
62) Isopropylbenzene	14.65	105	4880365	8.937	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2486133	9.792	ppbv	100
64) n-propylbenzene	15.55	120	1373093	8.507	ppbv	100
65) tert-Butylbenzene	16.73	119	4622846	9.001	ppbv	100
66) Benzyl Chloride	16.97	91	218387	2.094	ppbv	100
67) sec-Butylbenzene	17.28	105	6294963	9.192	ppbv	100
69) p-Isopropyltoluene	17.64	119	5448712	8.486	ppbv	100
70) n-Butylbenzene	18.54	91	5175000	8.819	ppbv	100
71) 2-Chlorotoluene	15.44	91	3542502	8.199	ppbv	100
72) 4-Ethyltoluene	15.83	105	4332872	8.496	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3898430	8.467	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	4176432	8.495	ppbv	100
75) 1,3-Dichlorobenzene	16.98	146	2637290	8.704	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2607857	8.938	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2599908	8.989	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2070722	9.061	ppbv	100
79) Naphthalene	22.18	128	4707640	11.228	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	1068104	16.150	ppbv	100
81) 1,2,4-Trichlorobenzene	21.91	180	2538479	11.692	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1319146

Ion Ratio Lower Upper

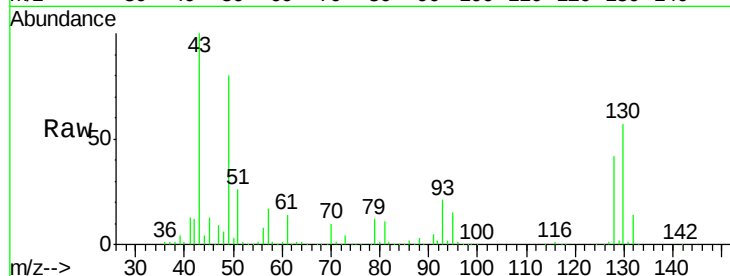
49 100

128 59.7 29.8 89.5

130 75.1 37.5 112.7

Manual Integrations
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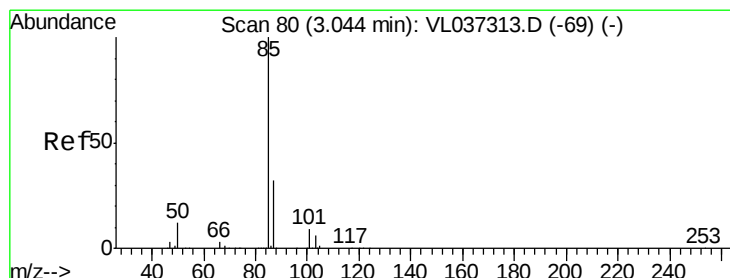
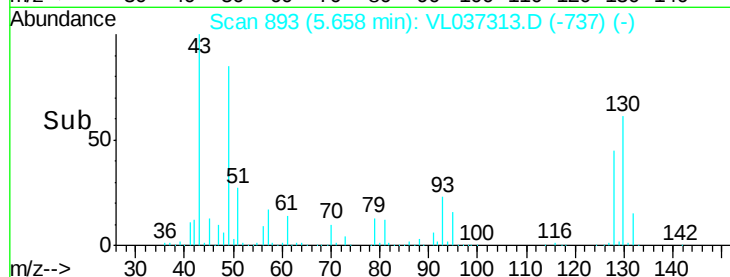
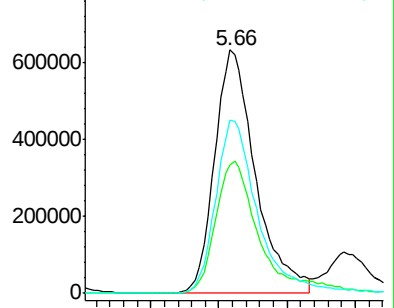
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.655 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037313.D

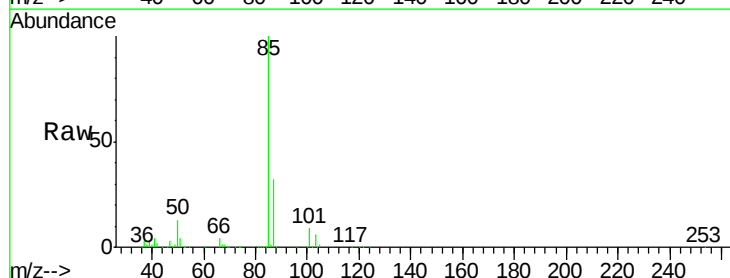
Acq: 4 Aug 2021 17:24

Tgt Ion: 85 Resp: 1917992

Ion Ratio Lower Upper

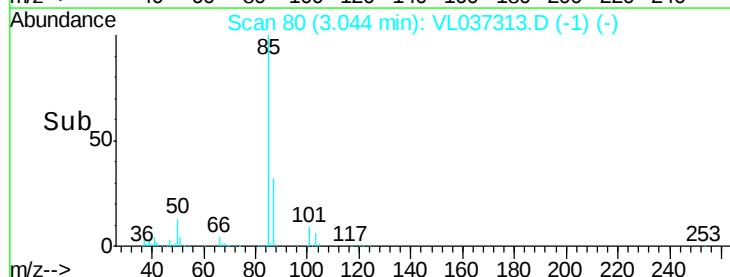
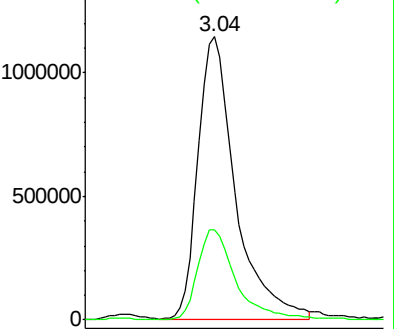
85 100

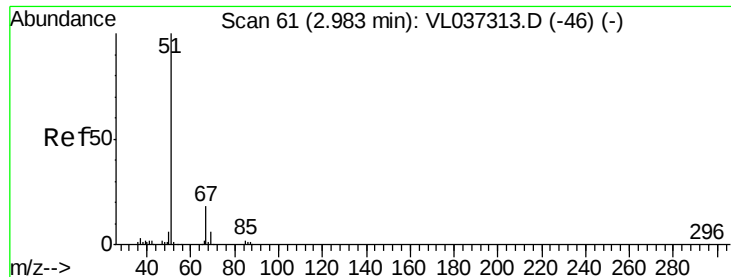
87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.133 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Tot Ion: 51 Resp: 2197517

Ion Ratio Lower Upper

51 100

67 17.7 14.2 21.2

Instrument :

MSVOA_L

ClientSampleId :

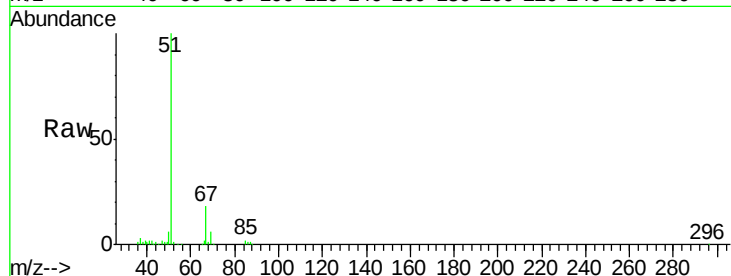
VSTDICCC010

Manual Integrations

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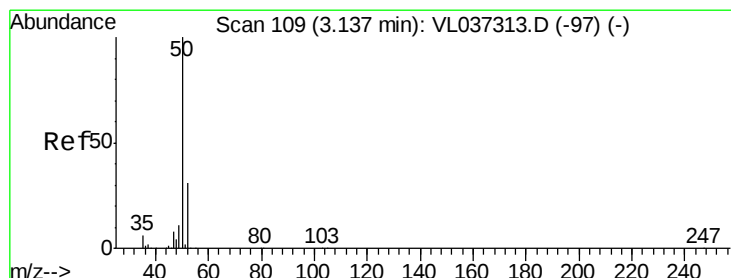
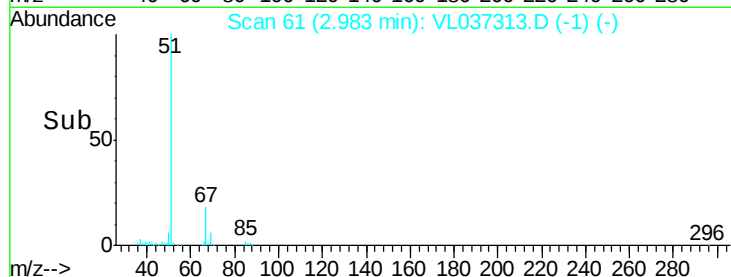
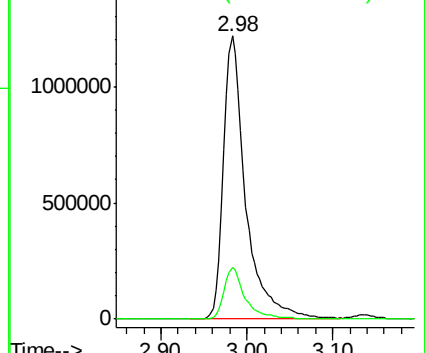
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.475 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL037313.D

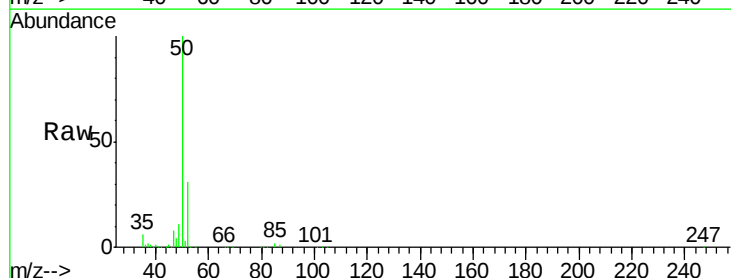
Acq: 4 Aug 2021 17:24

Tgt Ion: 50 Resp: 811943

Ion Ratio Lower Upper

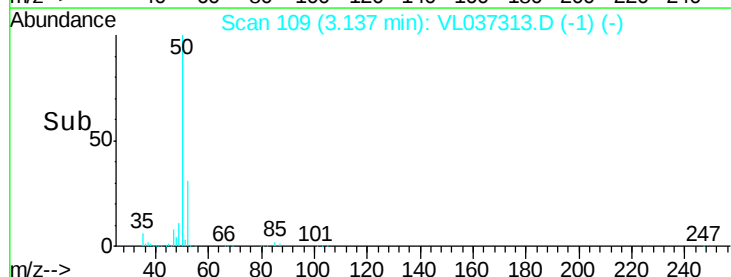
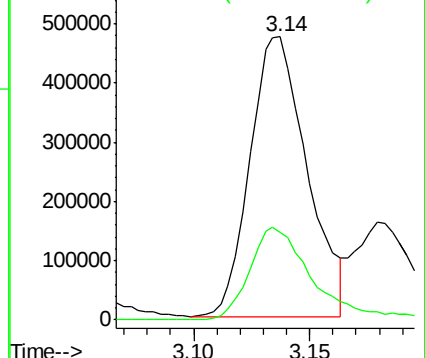
50 100

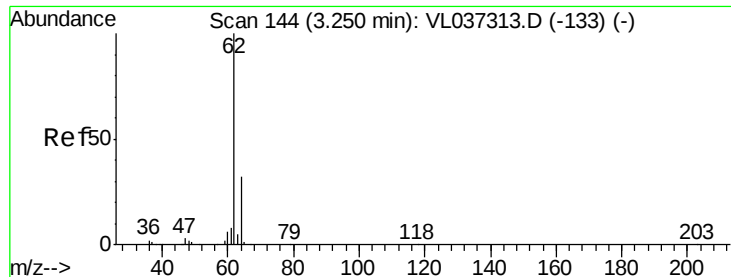
52 31.4 25.1 37.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.547 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 893404

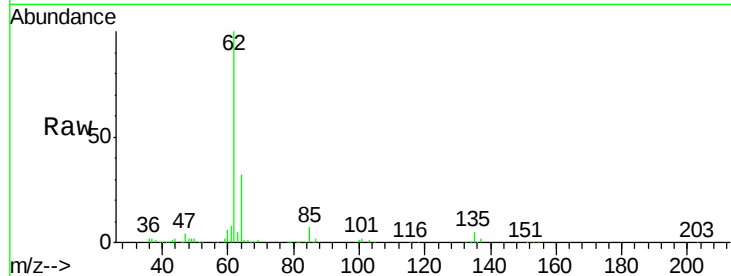
Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5

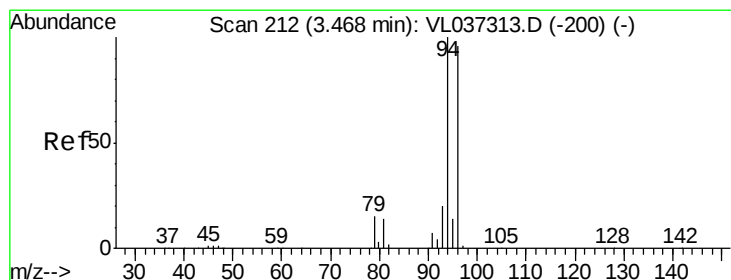
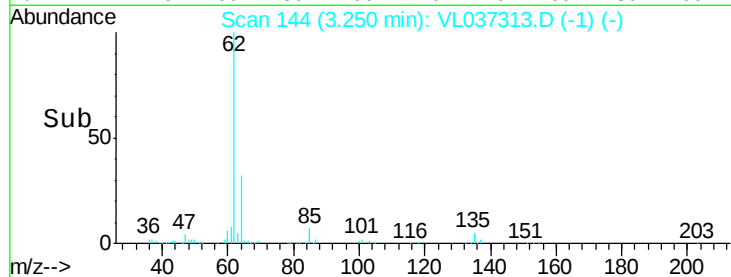
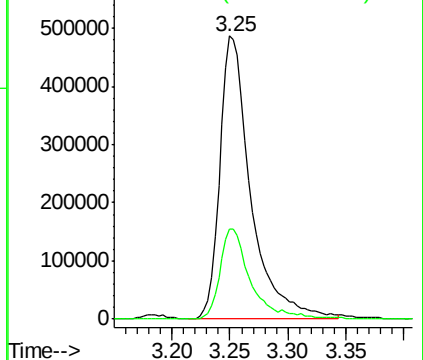
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.702 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037313.D

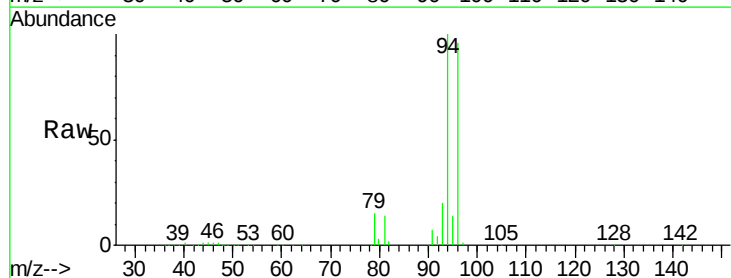
Acq: 4 Aug 2021 17:24

Tgt Ion: 94 Resp: 534864

Ion Ratio Lower Upper

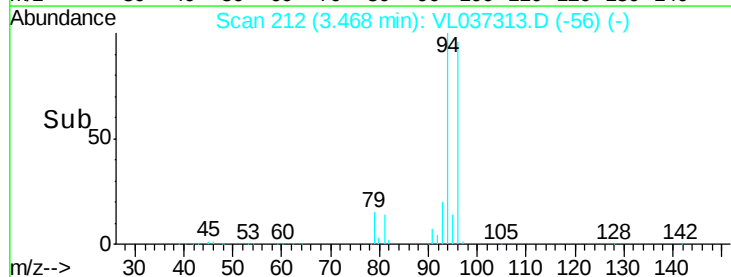
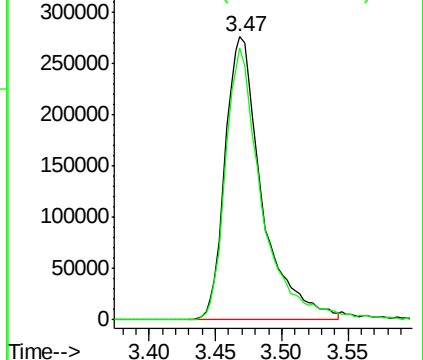
94 100

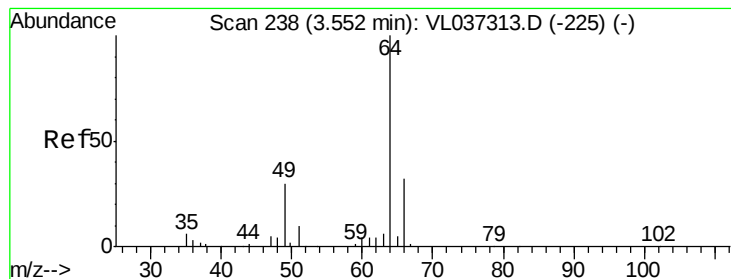
96 95.9 76.7 115.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.681 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 312839

Ion Ratio Lower Upper

64 100

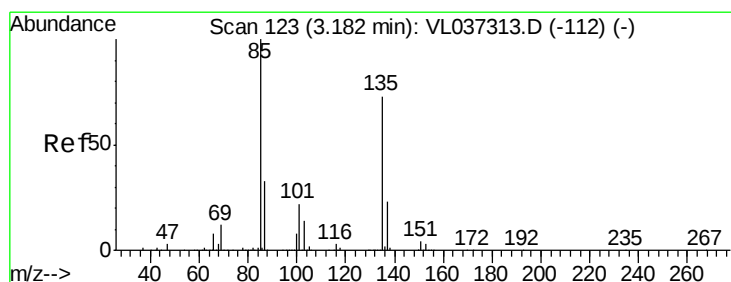
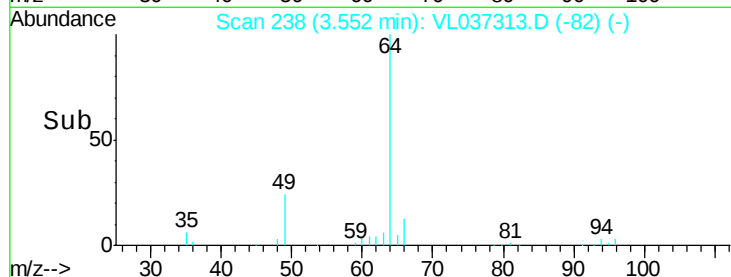
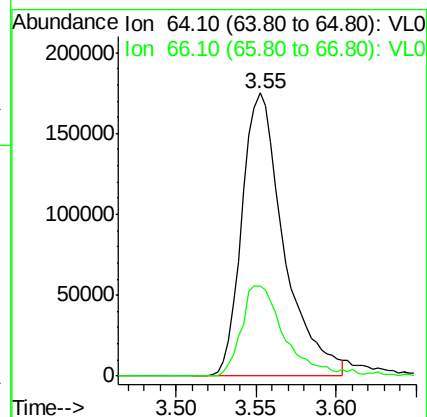
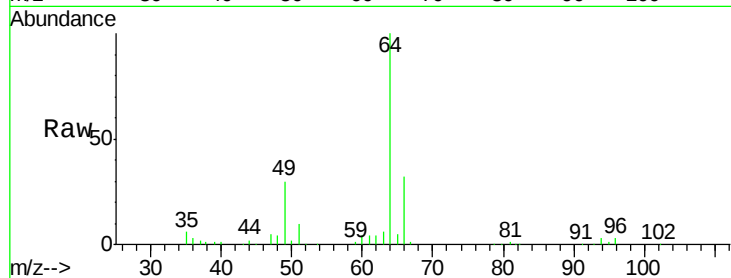
66 31.9 25.5 38.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.617 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL037313.D

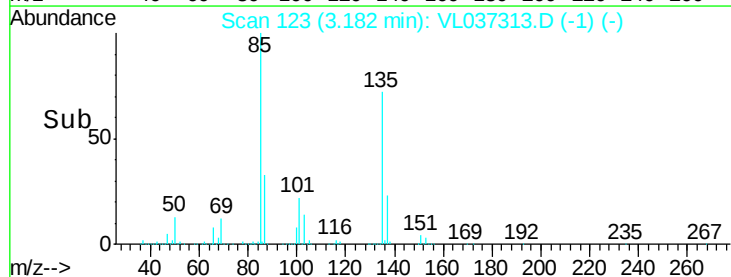
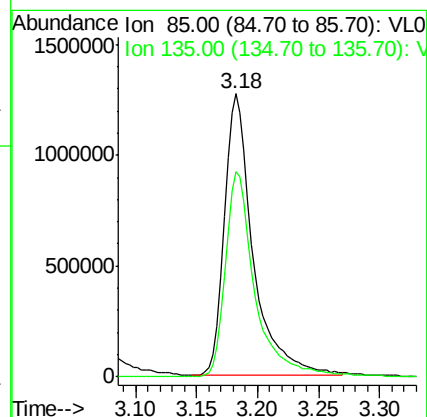
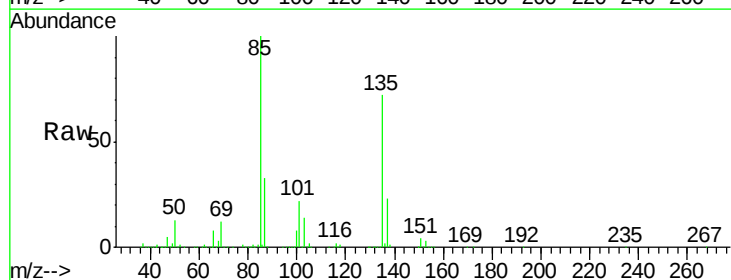
Acq: 4 Aug 2021 17:24

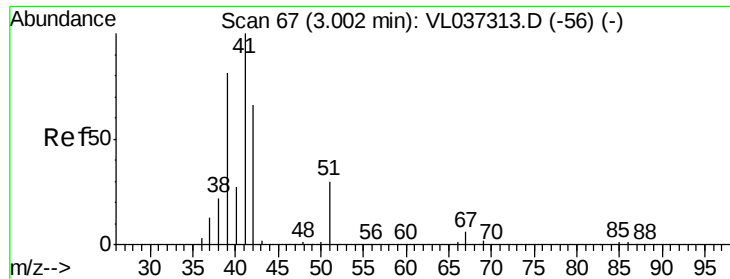
Tgt Ion: 85 Resp: 2109401

Ion Ratio Lower Upper

85 100

135 75.8 60.6 91.0





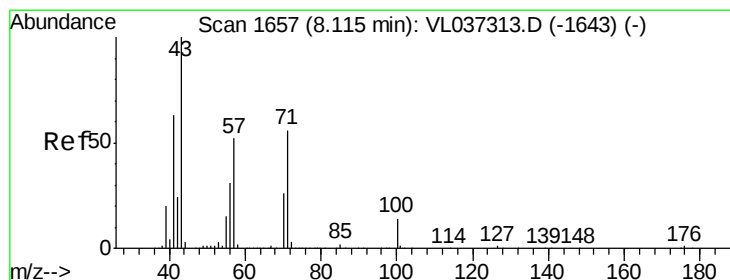
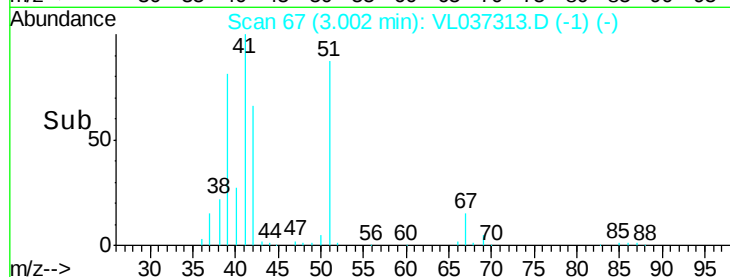
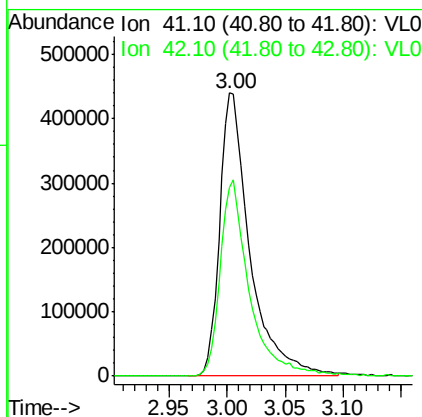
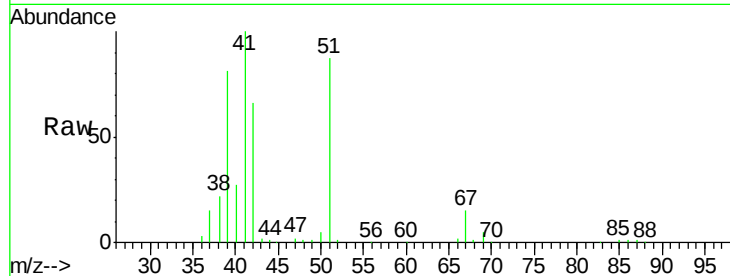
#9
 Propene
 Concen: 8.327 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 41 Resp: 798762
 Ion Ratio Lower Upper
 41 100
 42 67.3 53.8 80.8

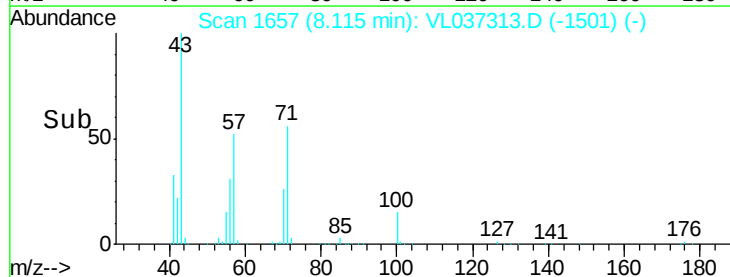
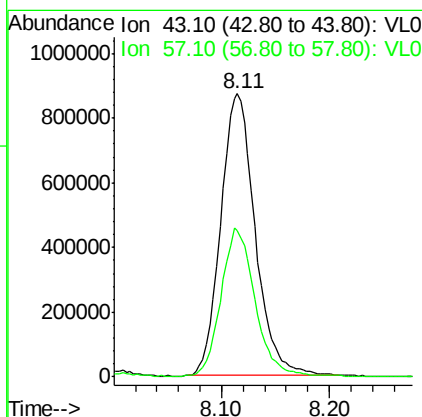
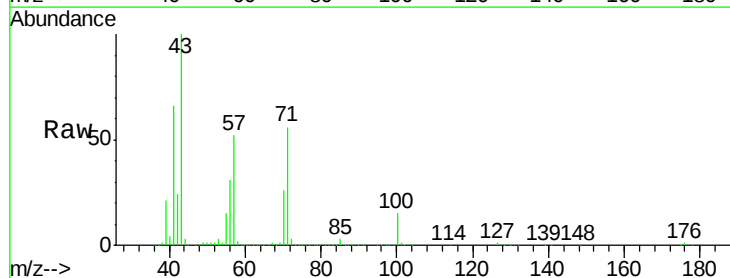
Manual Integrations
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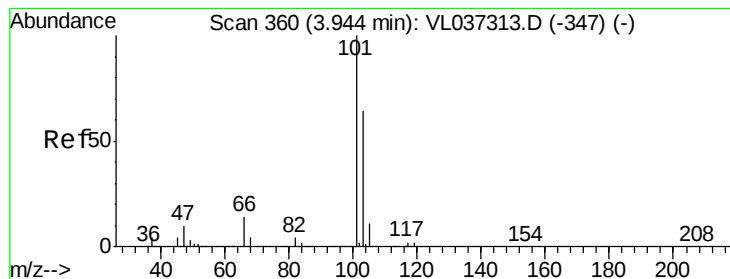
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#10
 Heptane
 Concen: 8.411 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Tgt Ion: 43 Resp: 1925108
 Ion Ratio Lower Upper
 43 100
 57 53.0 42.4 63.6





#11

Trichlorofluoromethane

Concen: 8.199 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 2015252

Ion Ratio Lower Upper

101 100

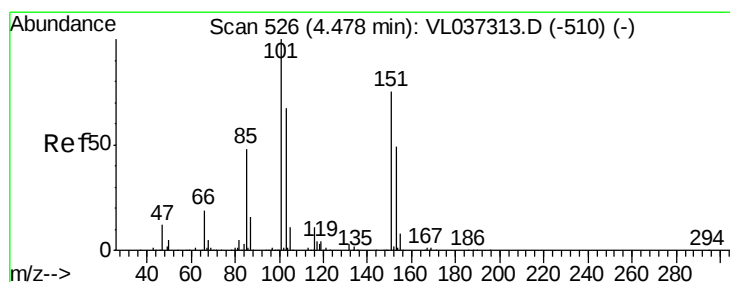
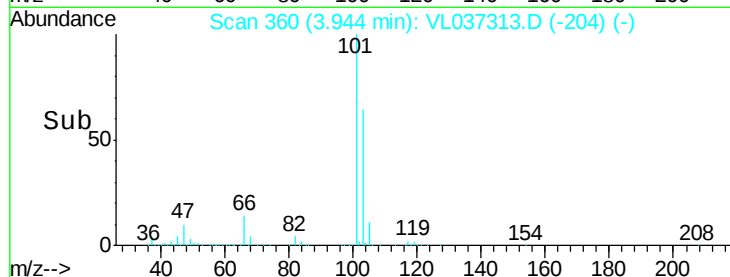
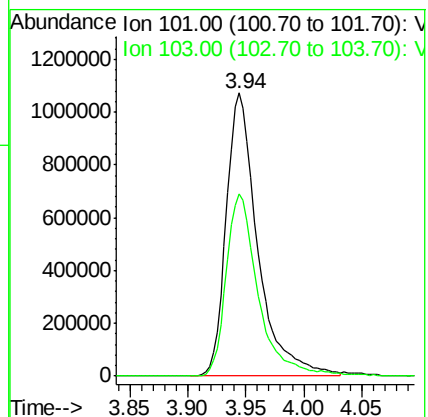
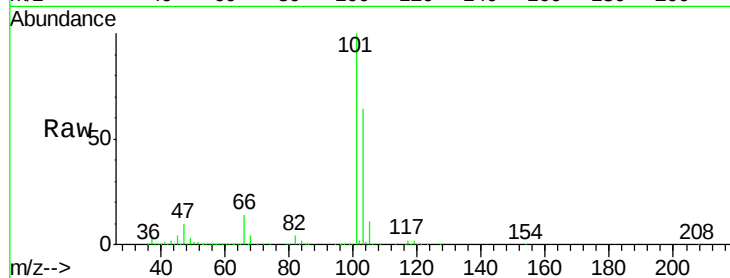
103 64.5 51.6 77.4

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.350 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL037313.D

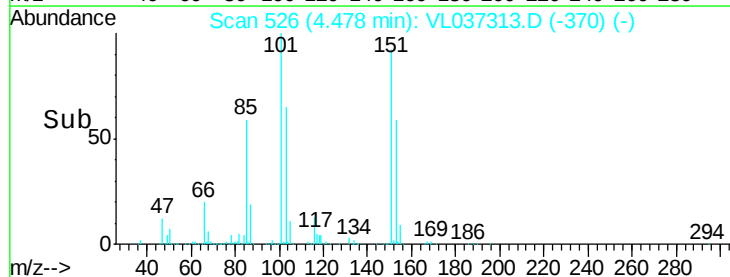
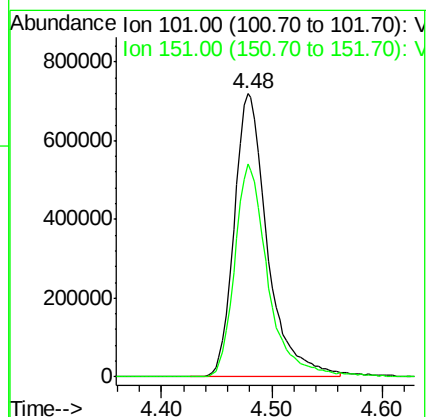
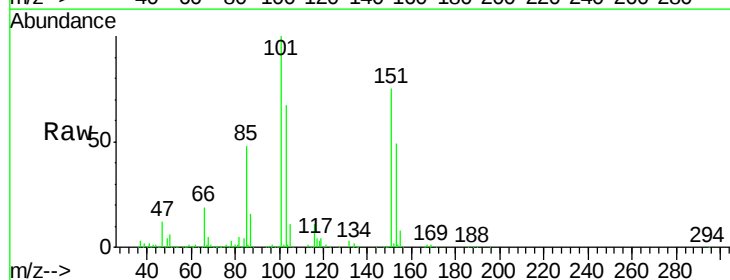
Acq: 4 Aug 2021 17:24

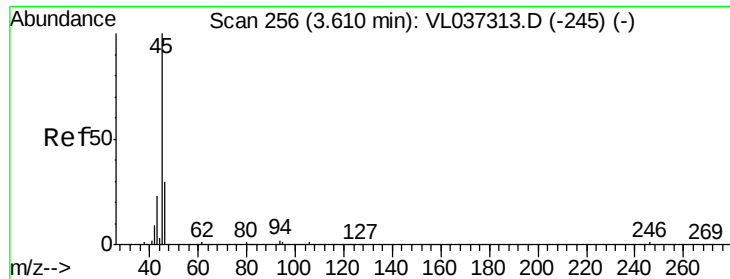
Tgt Ion:101 Resp: 1501403

Ion Ratio Lower Upper

101 100

151 75.8 60.6 91.0





#13

Ethanol

Concen: 11.577 ppbv m

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 109844

Ion Ratio Lower Upper

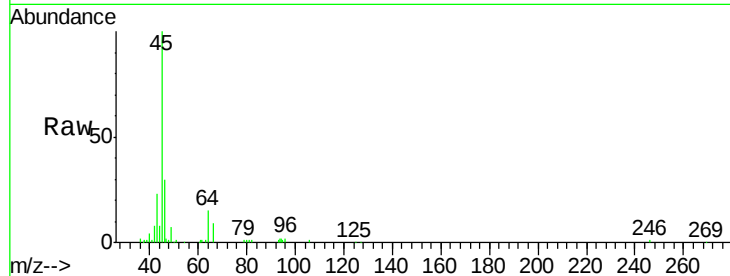
45 100

46 41.4 16.6 66.4

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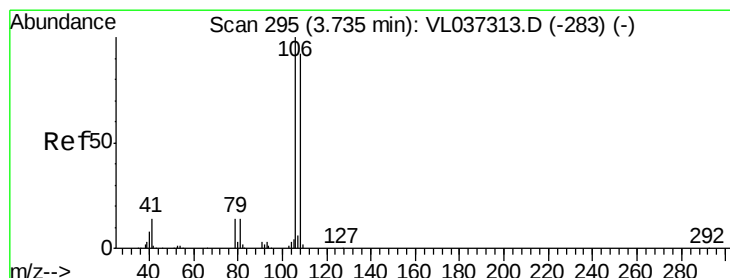
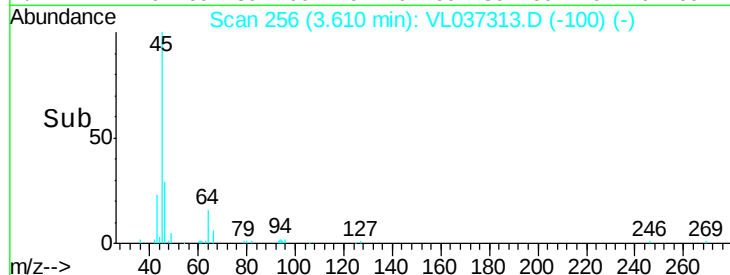
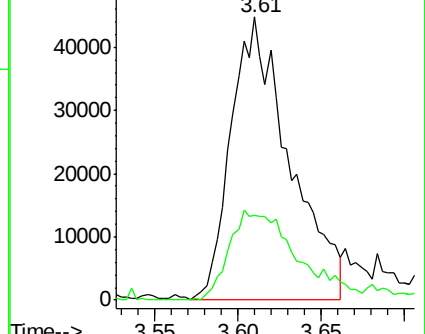
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 8.806 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

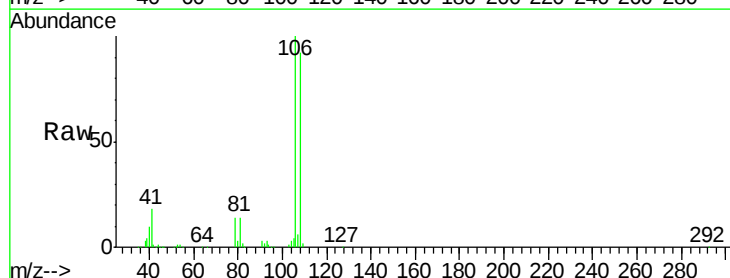
Tgt Ion: 108 Resp: 698305

Ion Ratio Lower Upper

108 100

106 108.6 86.9 130.3

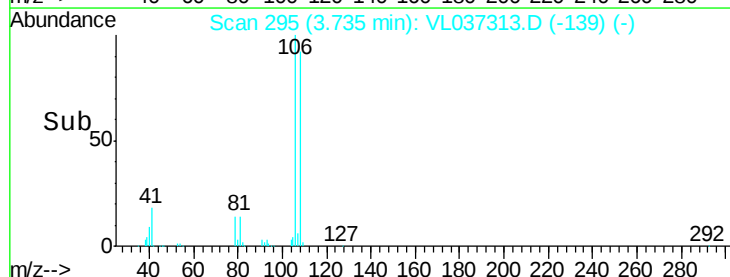
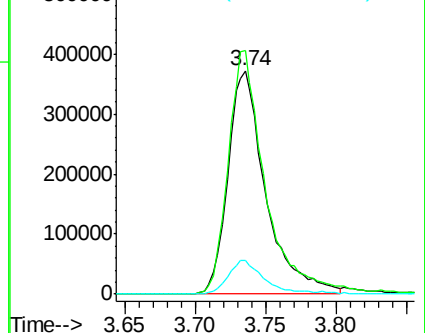
79 15.4 12.3 18.5

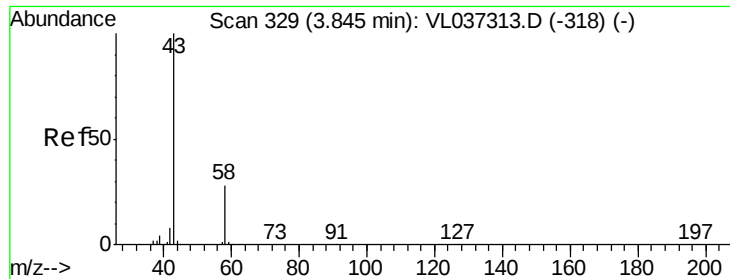


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





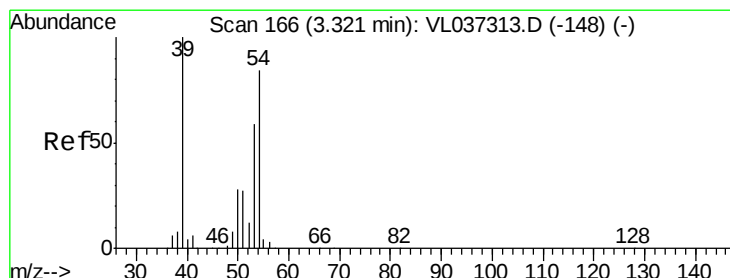
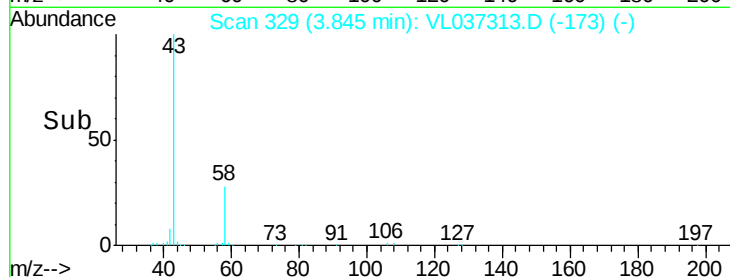
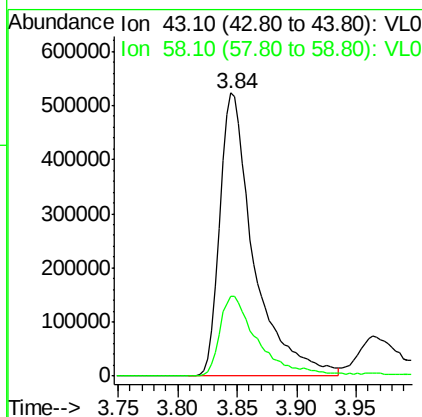
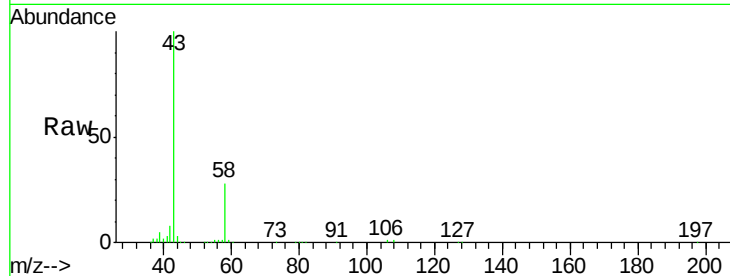
#15
Acetone
Concen: 7.142 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1039651
Ion Ratio Lower Upper
43 100
58 31.6 25.3 37.9

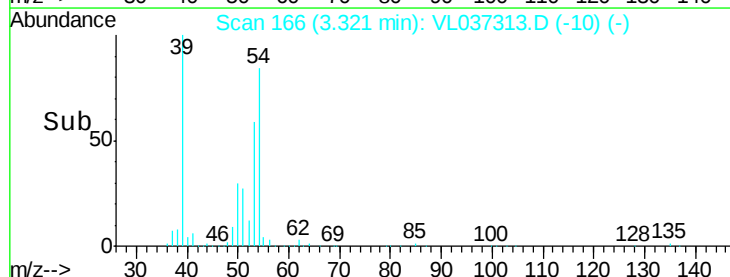
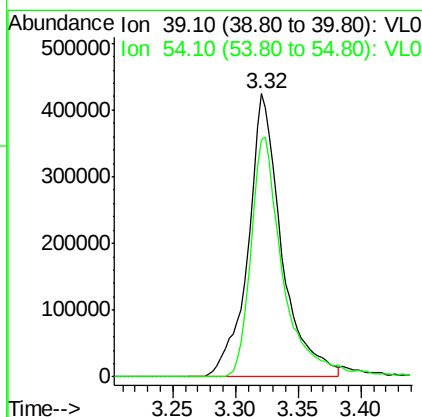
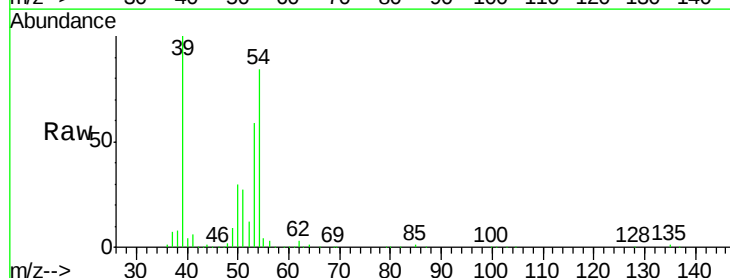
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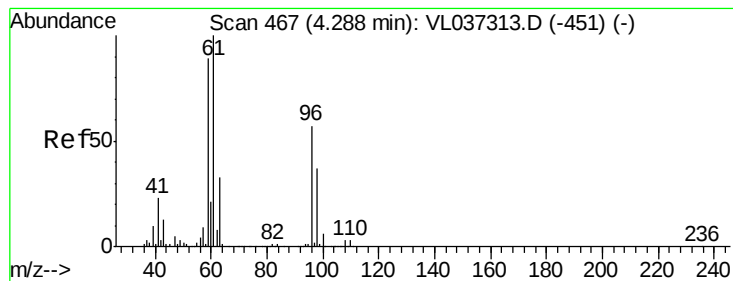
MMDadoda
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#16
1,3-Butadiene
Concen: 8.521 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion: 39 Resp: 791259
Ion Ratio Lower Upper
39 100
54 82.6 66.1 99.1





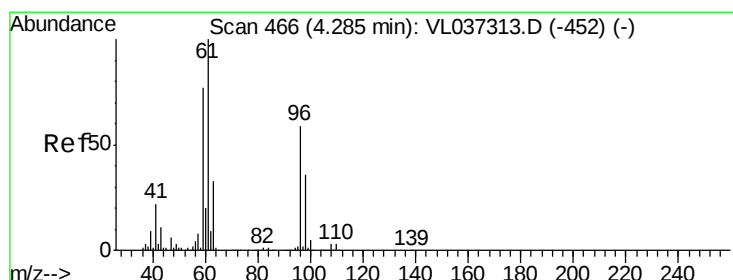
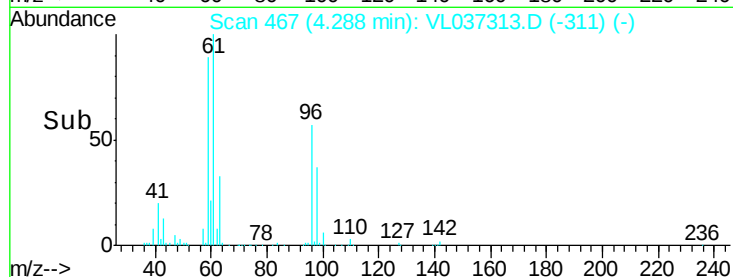
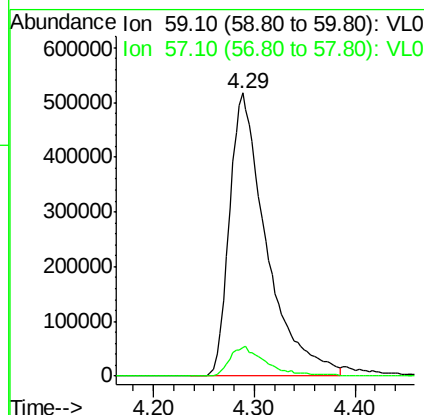
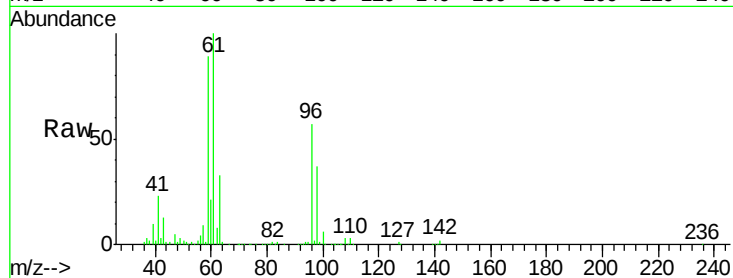
#17
tert-Butyl alcohol
Concen: 11.615 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1321550
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

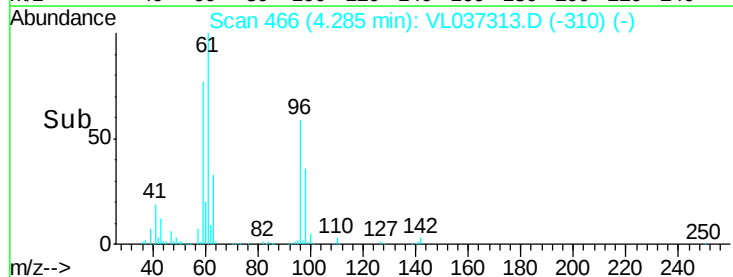
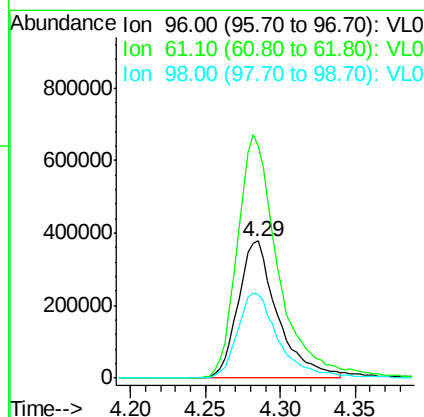
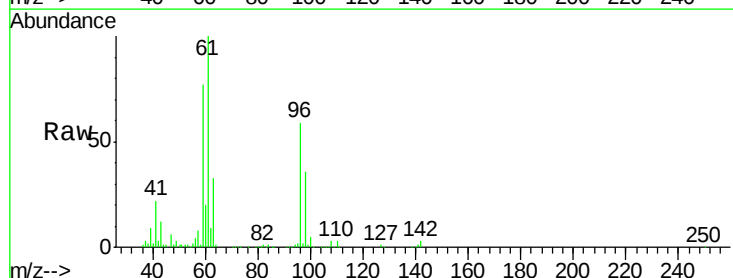
Manual Integrations
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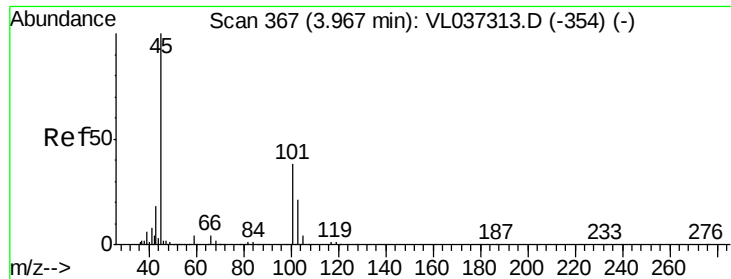
MMDadoda
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#18
1,1-Dichloroethene
Concen: 8.557 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion: 96 Resp: 695855
Ion Ratio Lower Upper
96 100
61 169.6 135.7 203.5
98 60.7 48.6 72.8





#19

Isopropyl Alcohol

Concen: 10.464 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL037313.D

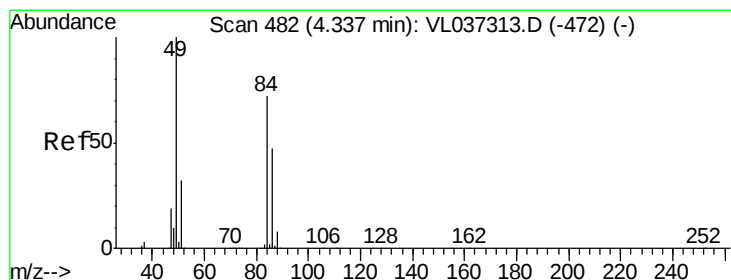
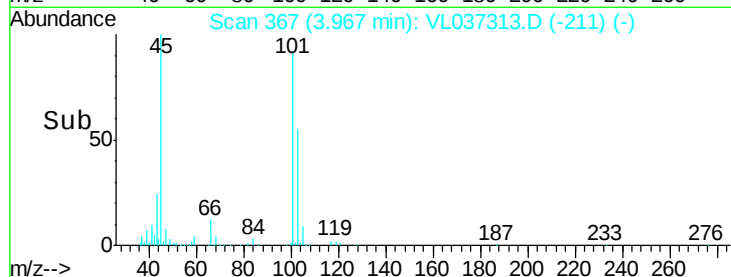
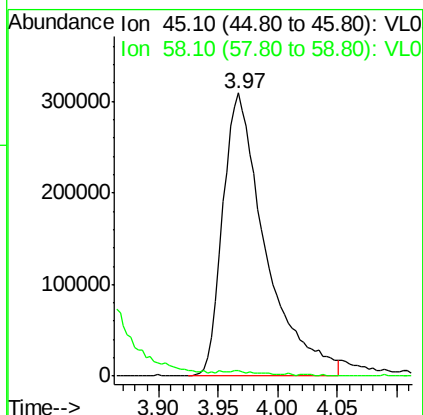
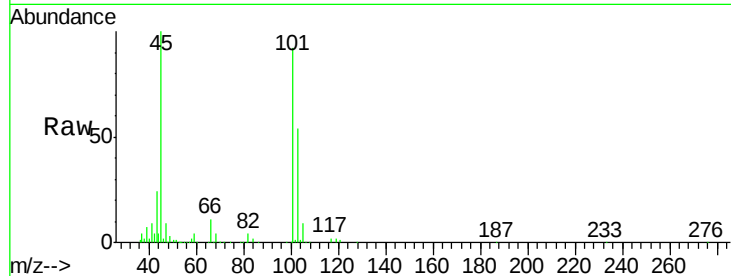
Acq: 4 Aug 2021 17:24

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.8	2.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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#20

Methylene Chloride

Concen: 5.193 ppbv

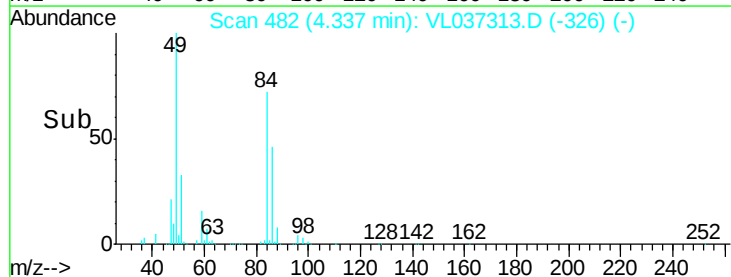
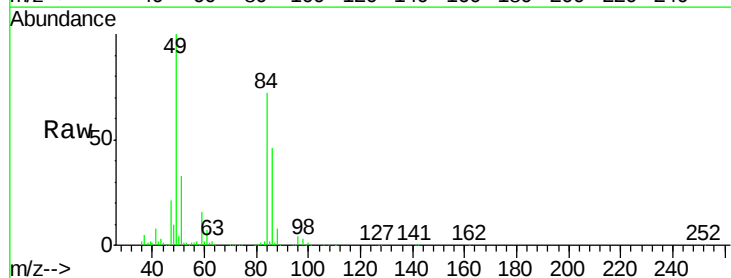
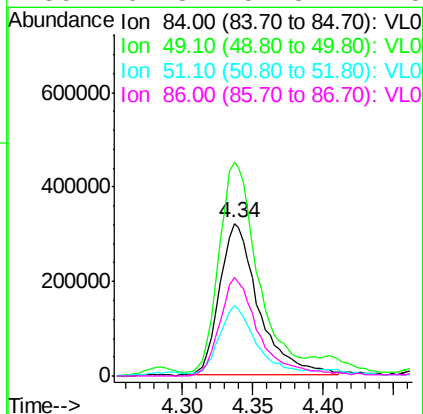
RT: 4.34 min Scan# 482

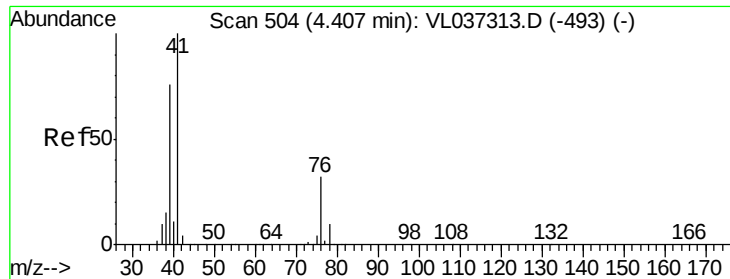
Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.0	110.4	165.6
51	44.7	35.8	53.6
86	64.8	51.8	77.8





#21

Allvl Chloride

Concen: 10.306 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 1021434

Ion Ratio Lower Upper

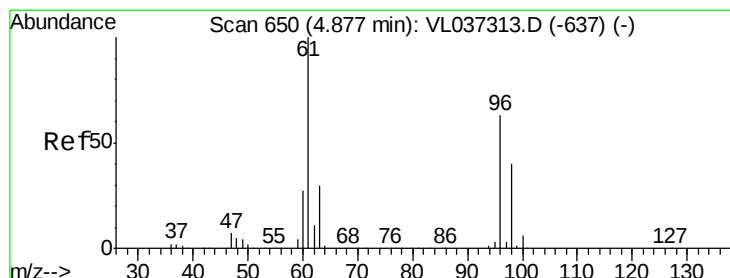
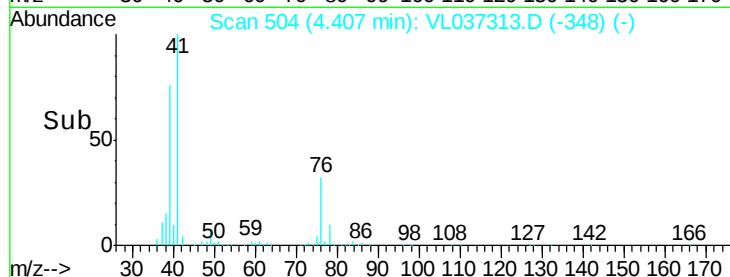
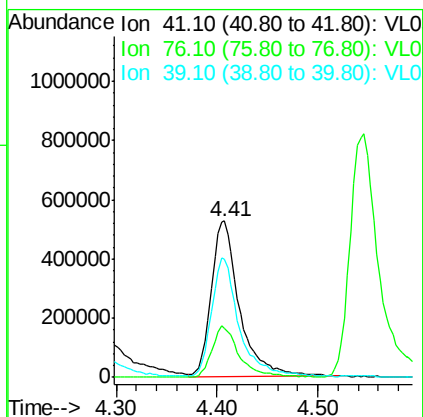
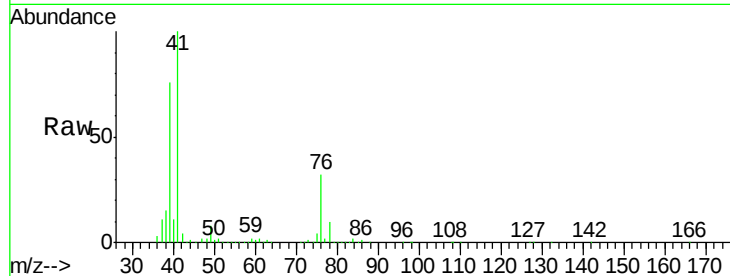
41 100

76 32.1 25.7 38.5

39 73.7 59.0 88.4

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 8.884 ppbv

RT: 4.88 min Scan# 650

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

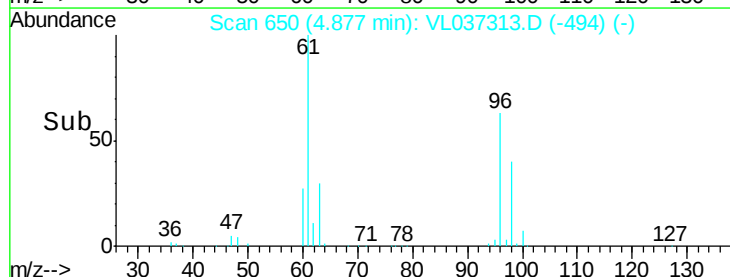
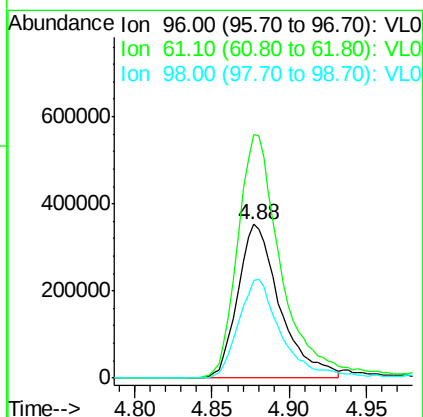
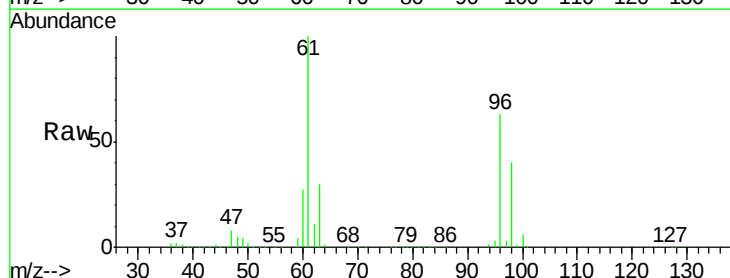
Tgt Ion: 96 Resp: 667122

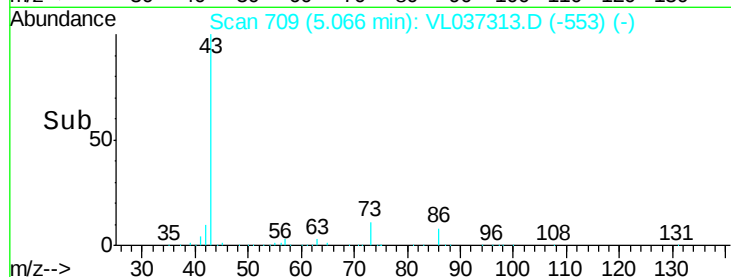
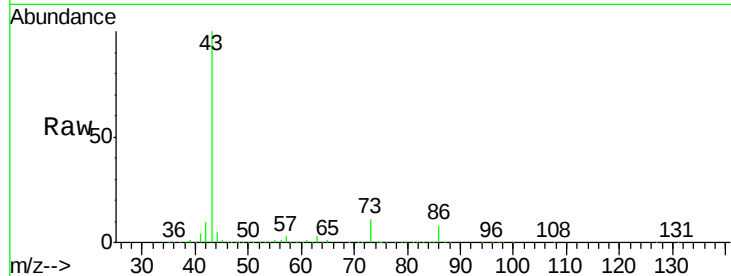
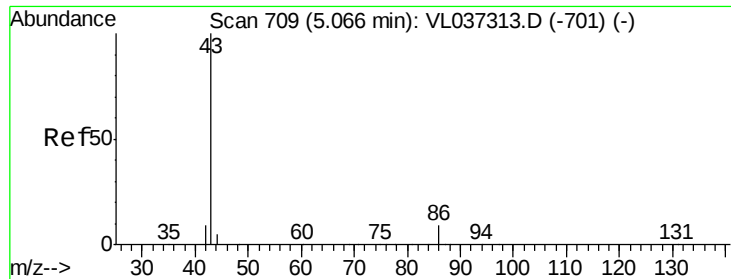
Ion Ratio Lower Upper

96 100

61 158.4 126.7 190.1

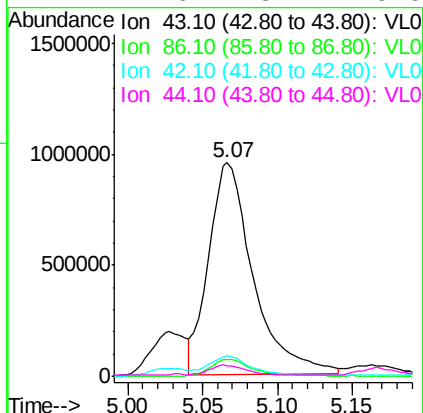
98 63.6 50.9 76.3





#23
 Vinyl Acetate
 Concen: 9.197 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

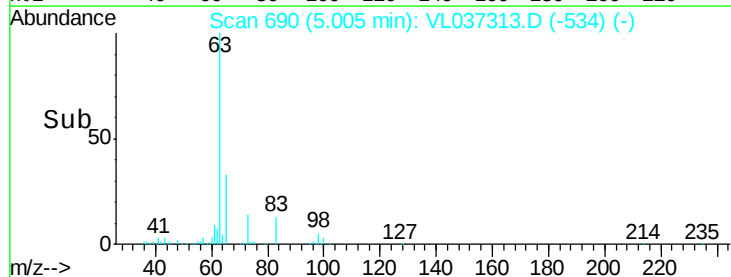
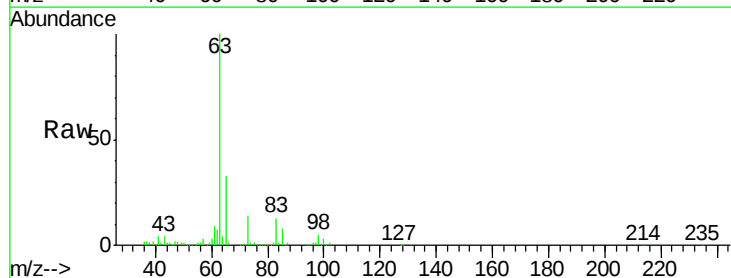
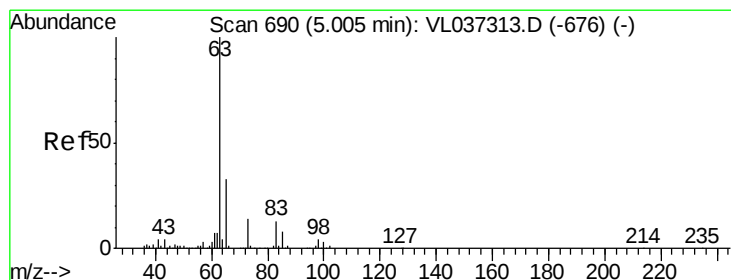
Tot Ion:	43	Resp:	1999705
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	9.6	7.7	11.5
44	4.6	3.7	5.5



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

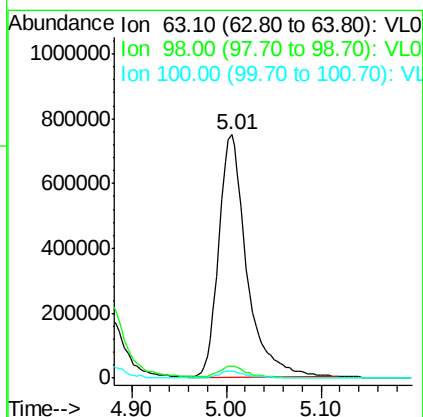
Manual Integrations
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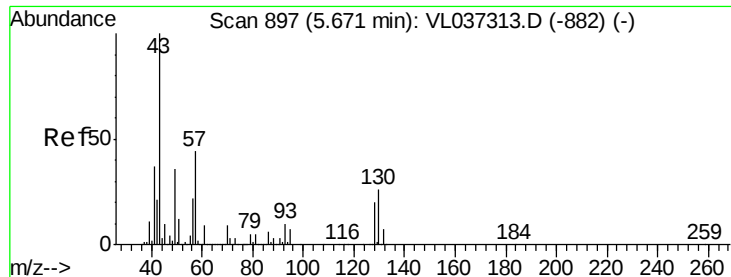
MMDadoda
 8/5/2021 1:39:45 PM



#24
 1,1-Dichloroethane
 Concen: 8.474 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Tgt Ion:	63	Resp:	1539280
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.4	7.2
100	2.9	1.5	4.4





#25

Ethyl Acetate

Concen: 9.001 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 3016396

Ion Ratio Lower Upper

43 100

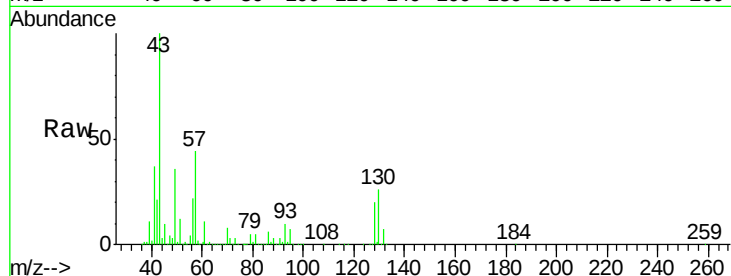
45 9.8 7.8 11.8

61 10.7 8.6 12.8

70 7.4 5.9 8.9

Manual Integrations
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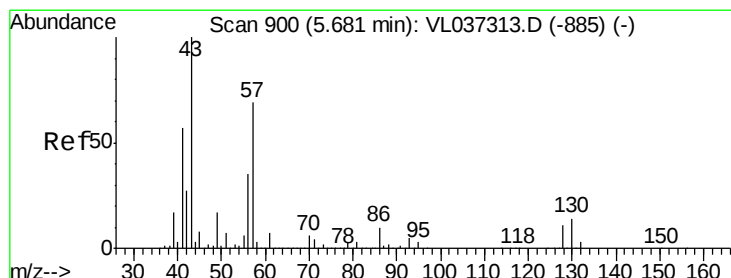
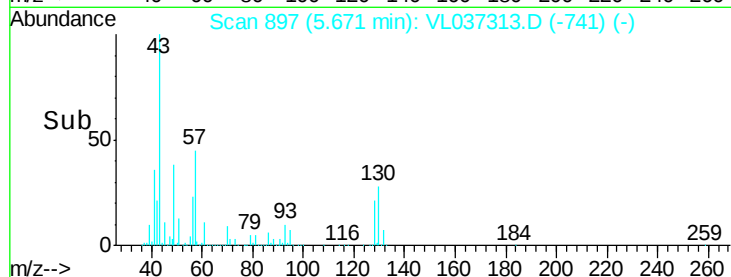
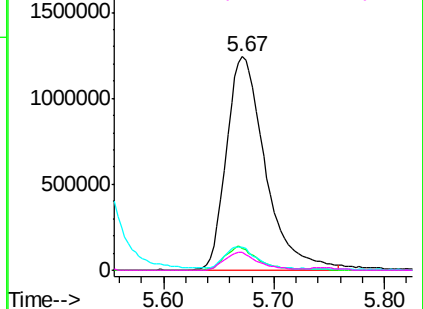


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 7.144 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Tgt Ion: 57 Resp: 1513369

Ion Ratio Lower Upper

57 100

41 84.4 67.5 101.3

43 203.7 163.0 244.4

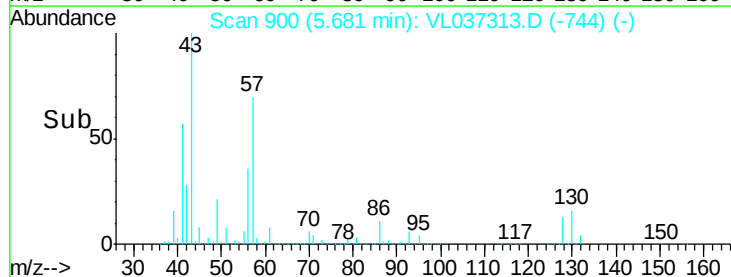
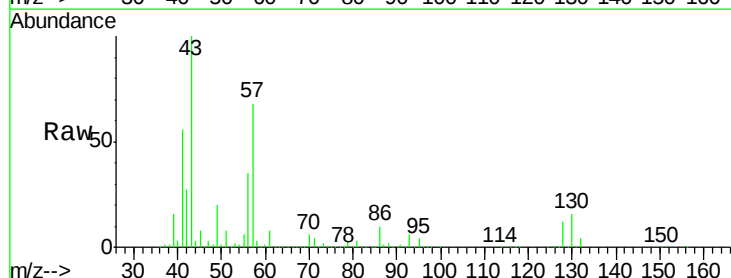
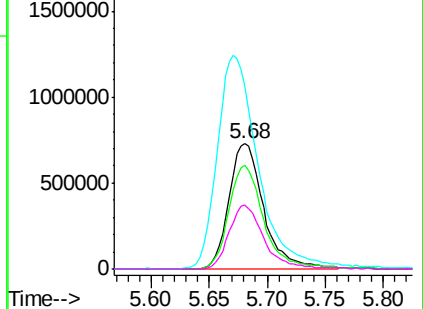
56 51.9 41.5 62.3

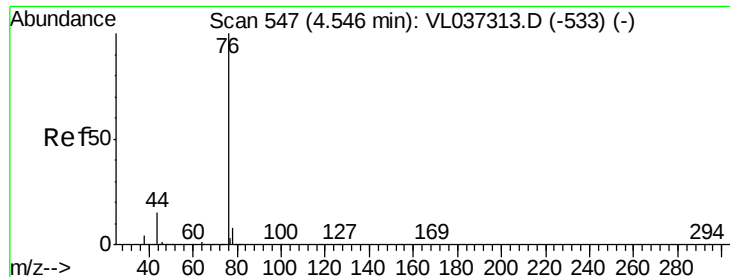
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.667 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1644785

Ion Ratio Lower Upper

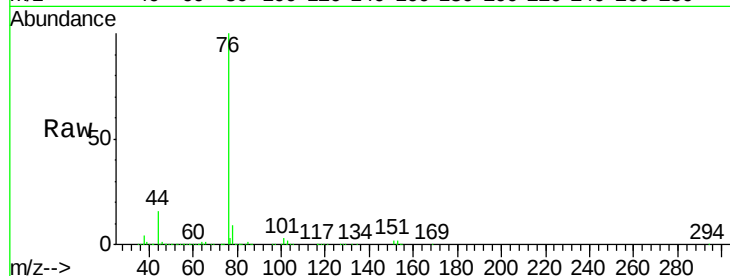
76 100

44 16.4 13.1 19.7

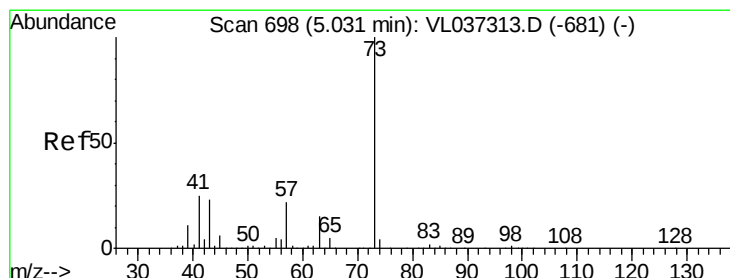
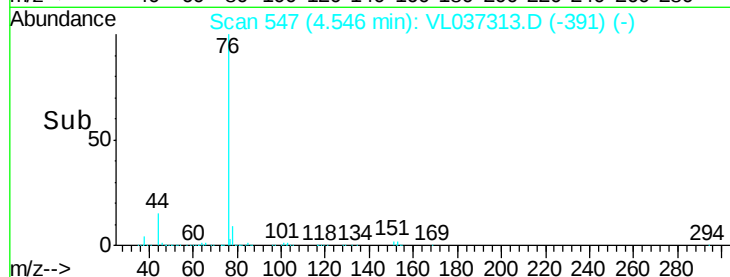
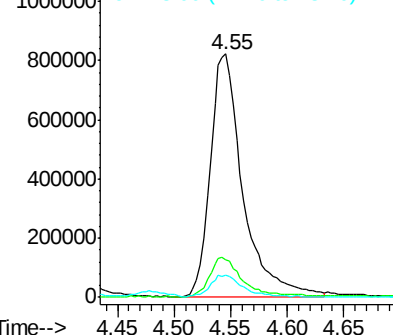
78 10.0 8.0 12.0

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.645 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL037313.D

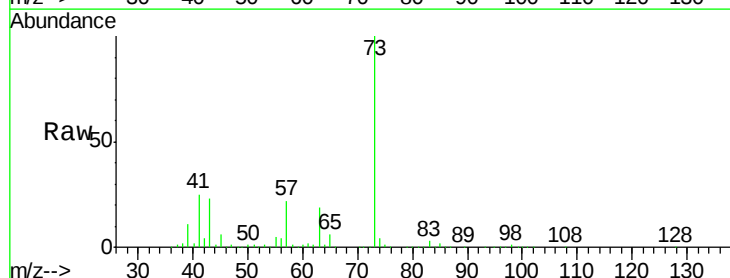
Acq: 4 Aug 2021 17:24

Tgt Ion: 73 Resp: 1844297

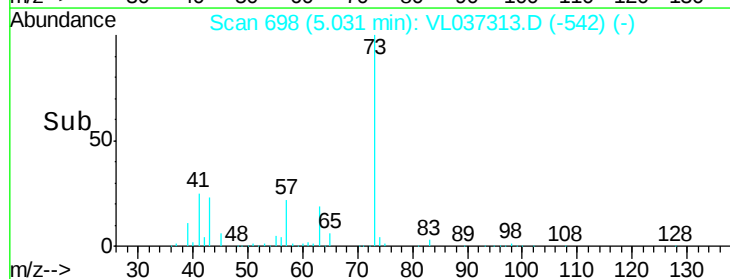
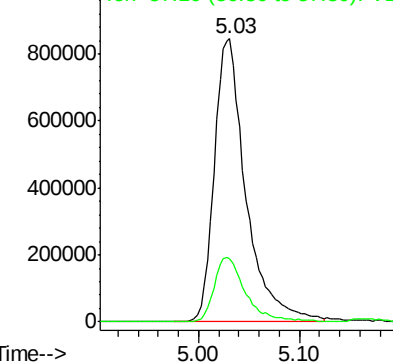
Ion Ratio Lower Upper

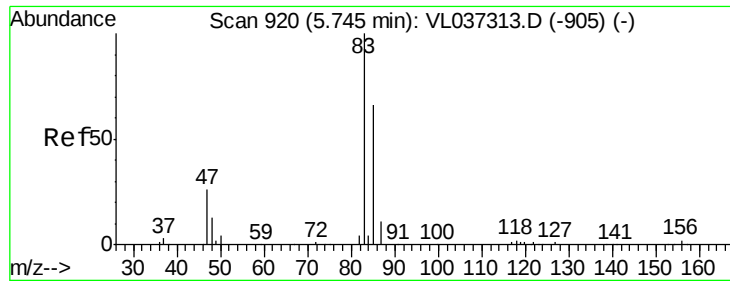
73 100

57 22.8 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





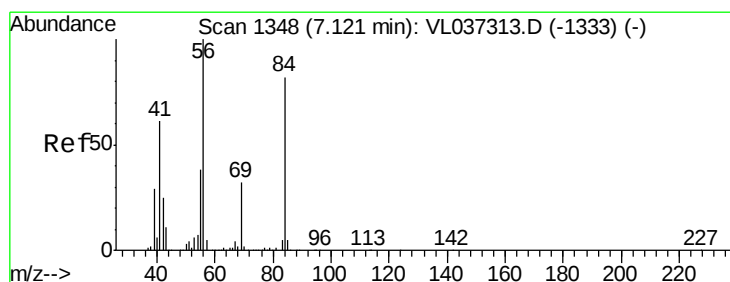
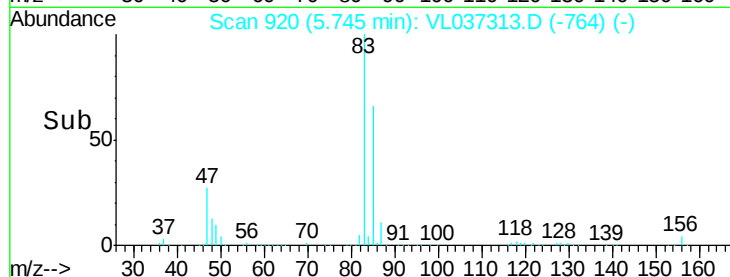
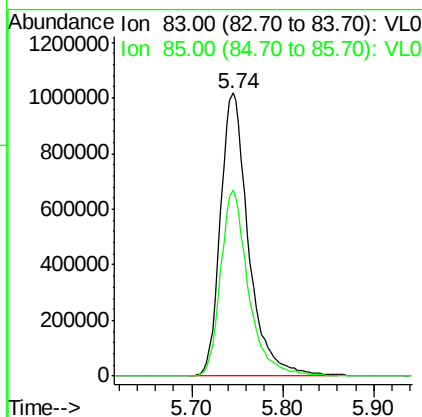
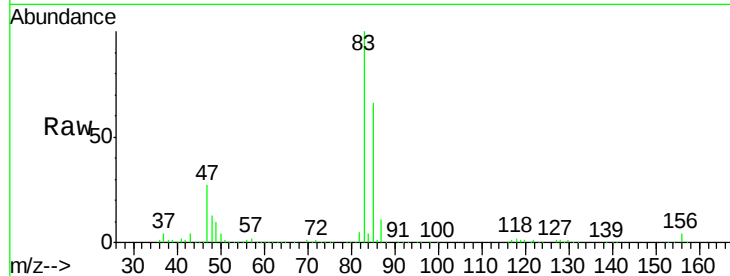
#29
Chloroform
Concen: 8.160 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2185722
Ion Ratio Lower Upper
83 100
85 65.8 52.6 79.0

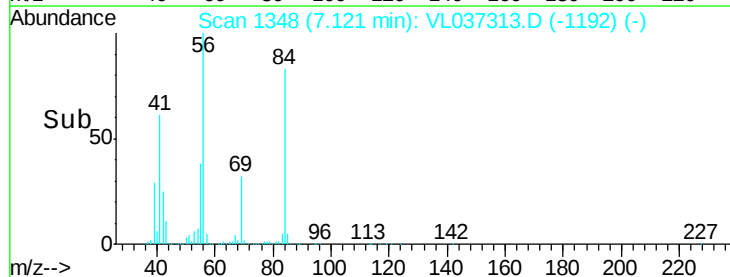
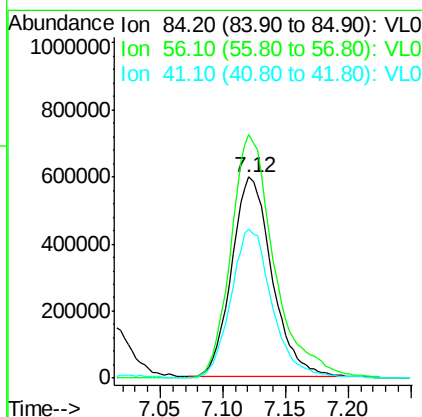
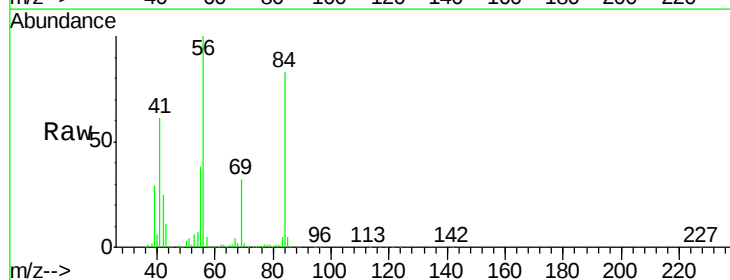
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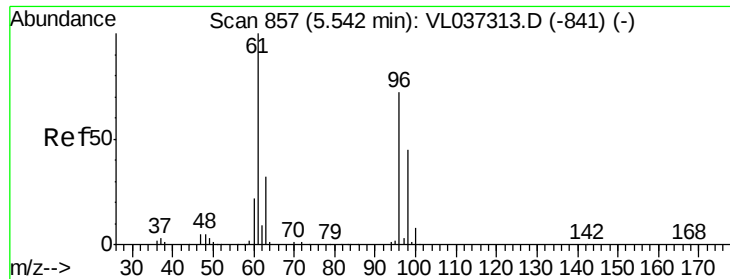
MMDadoda
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#30
Cyclohexane
Concen: 9.173 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion: 84 Resp: 1335527
Ion Ratio Lower Upper
84 100
56 131.5 105.2 157.8
41 76.6 61.3 91.9





#31

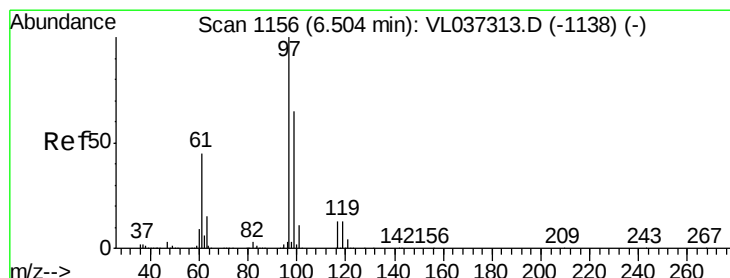
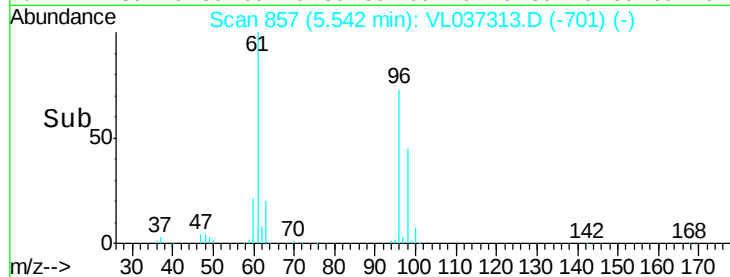
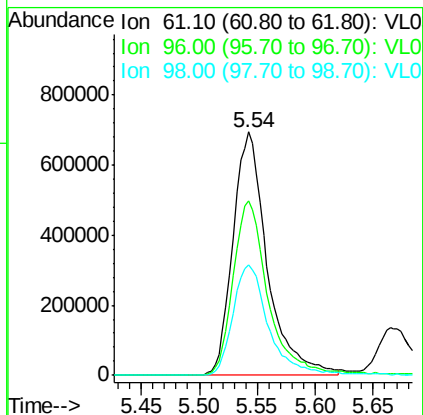
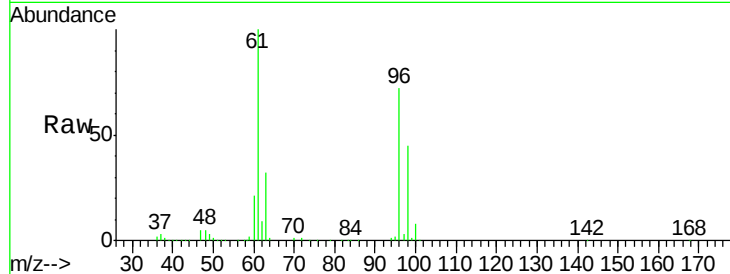
cis-1,2-Dichloroethene
Concen: 9.619 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	71.7	57.4	86.0
98	45.4	36.3	54.5

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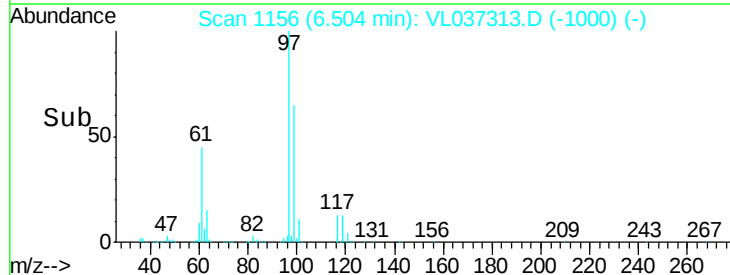
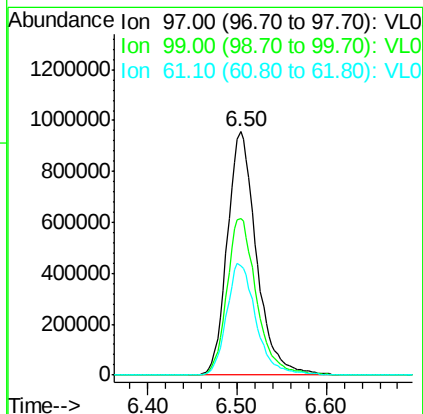
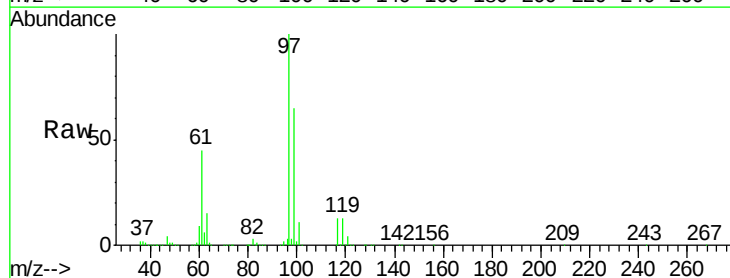
MMDadoda
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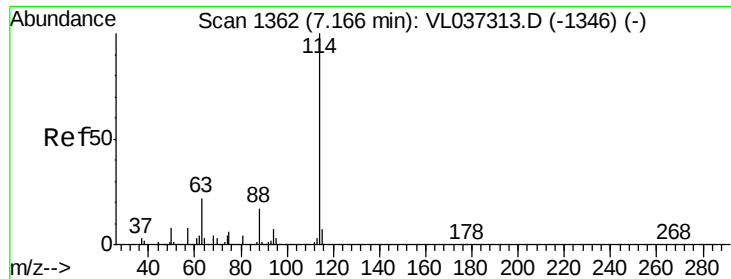


#32

1,1,1-Trichloroethane
Concen: 9.108 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.3	78.5
61	46.5	37.2	55.8





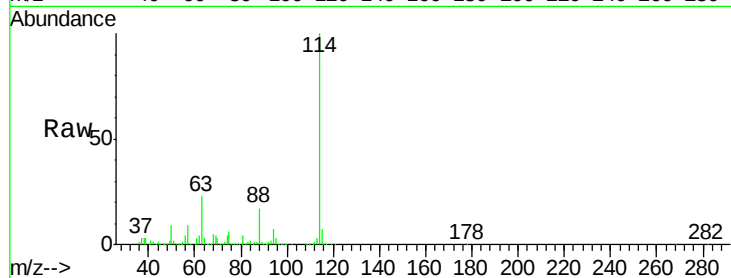
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

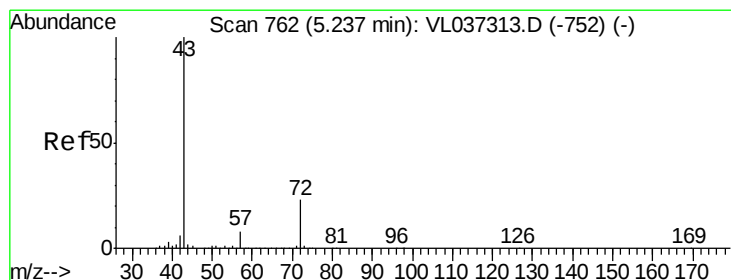
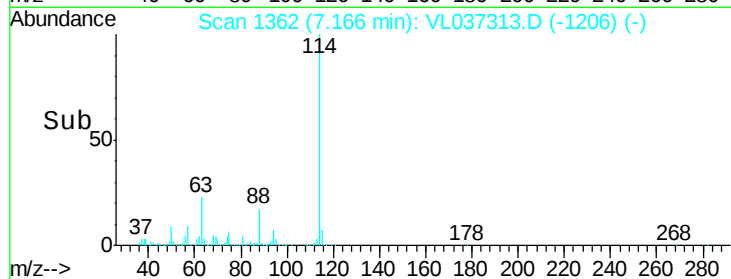
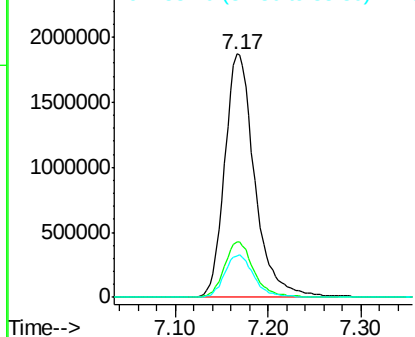
Tot Ion:114 Resp: 4195744
 Ion Ratio Lower Upper
 114 100
 63 22.6 18.1 27.1
 88 17.3 13.8 20.8

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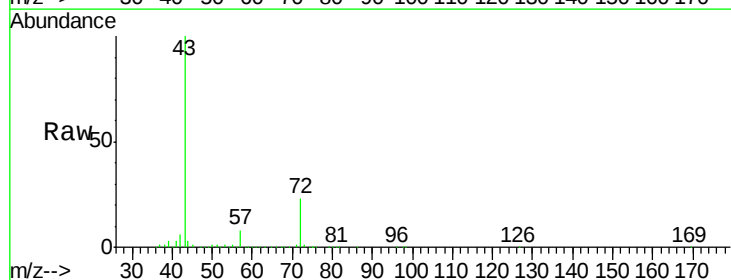


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

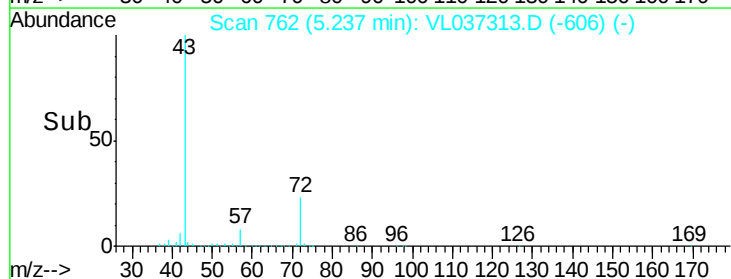
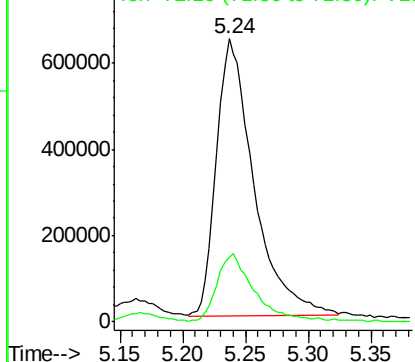


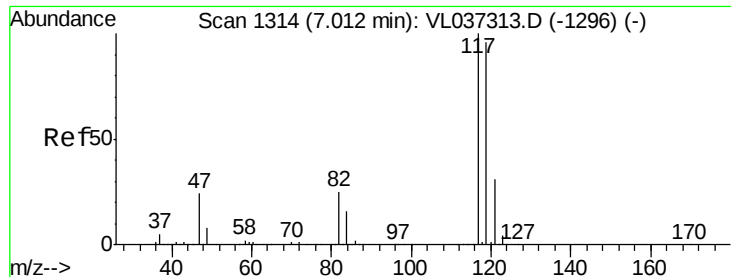
#34
 2-Butanone
 Concen: 9.068 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Tgt Ion: 43 Resp: 1340631
 Ion Ratio Lower Upper
 43 100
 72 25.4 20.3 30.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.718 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2258202

Ion Ratio Lower Upper

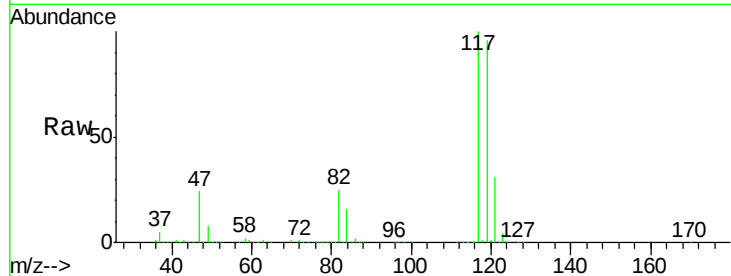
117 100

119 95.7 76.6 114.8

121 31.1 24.9 37.3

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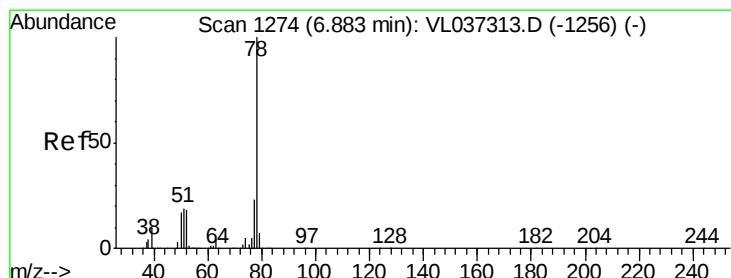
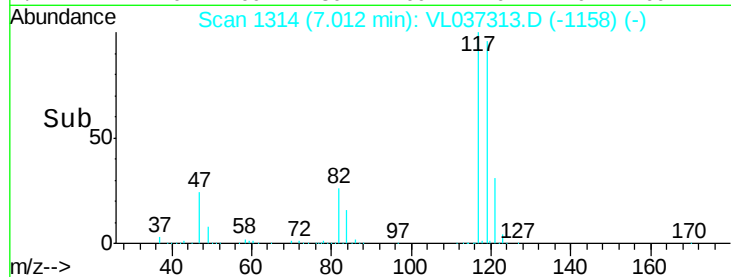
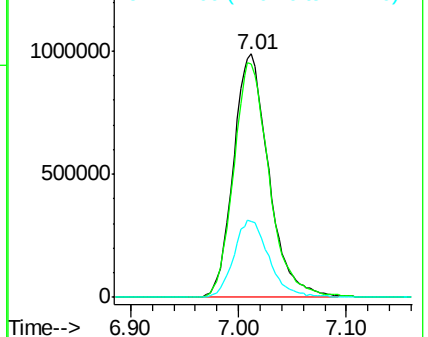
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.432 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

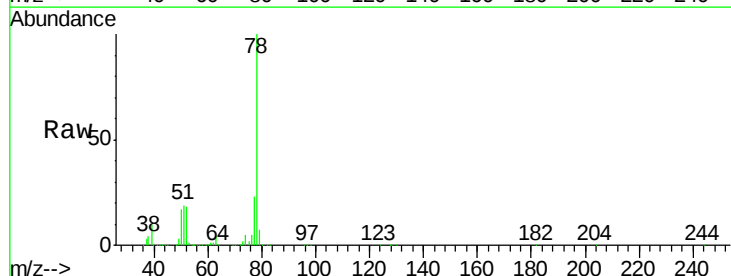
Tgt Ion: 78 Resp: 3212955

Ion Ratio Lower Upper

78 100

77 23.4 18.7 28.1

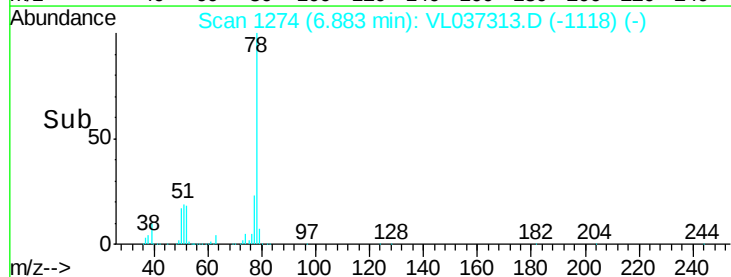
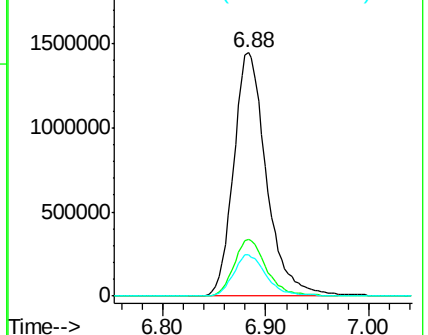
50 17.1 13.7 20.5

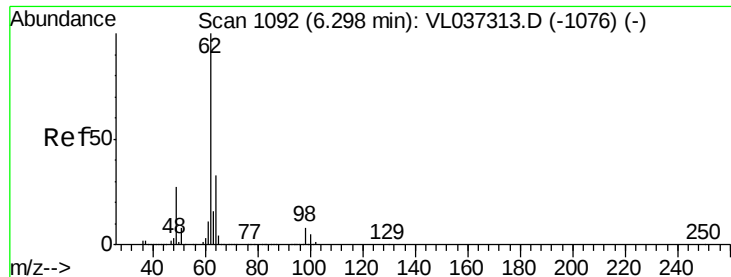


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





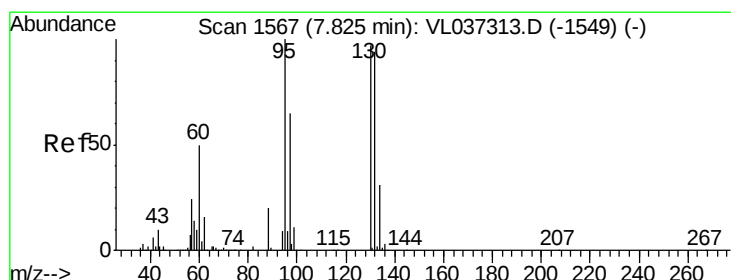
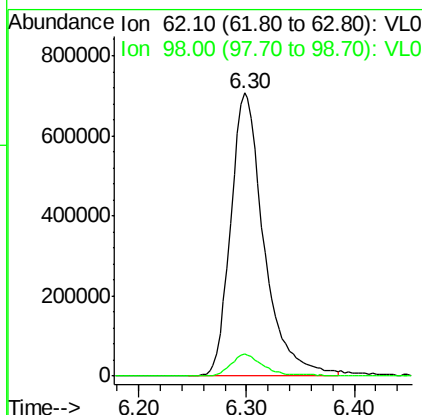
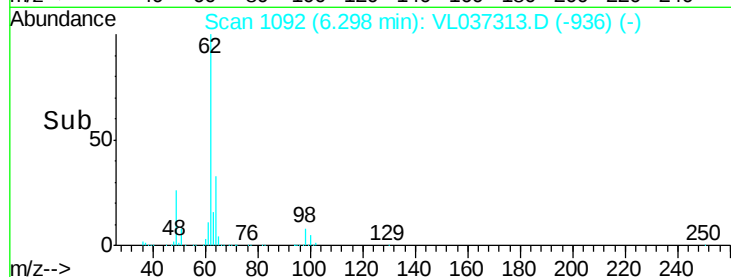
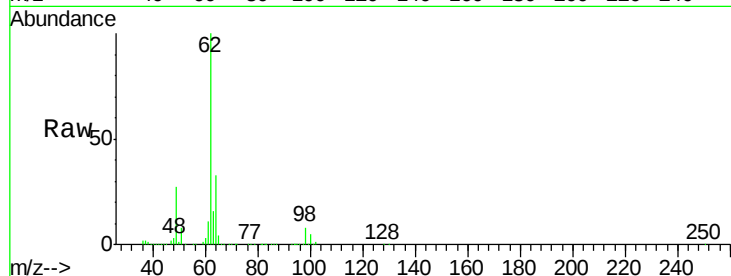
#37
 1,2-Dichloroethane
 Concen: 8.568 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 62 Resp: 1523735
 Ion Ratio Lower Upper
 62 100
 98 7.9 6.3 9.5

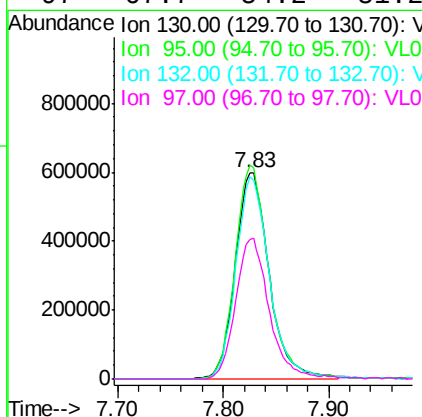
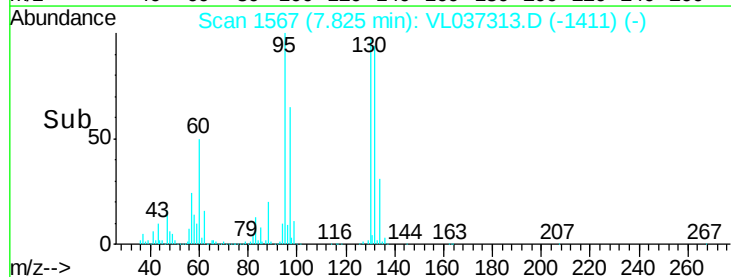
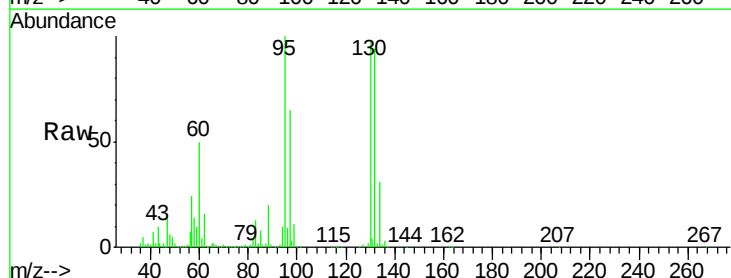
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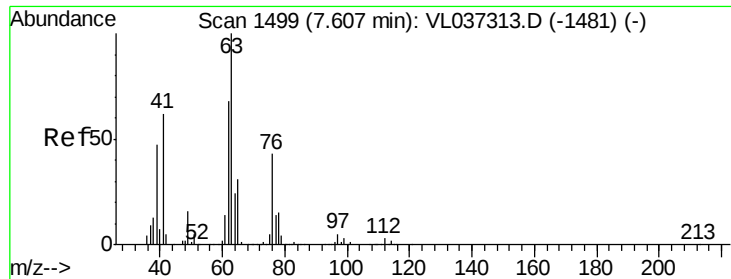
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#38
 Trichloroethene
 Concen: 8.144 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Tgt Ion: 130 Resp: 1334857
 Ion Ratio Lower Upper
 130 100
 95 103.5 82.8 124.2
 132 97.8 78.2 117.4
 97 67.7 54.2 81.2





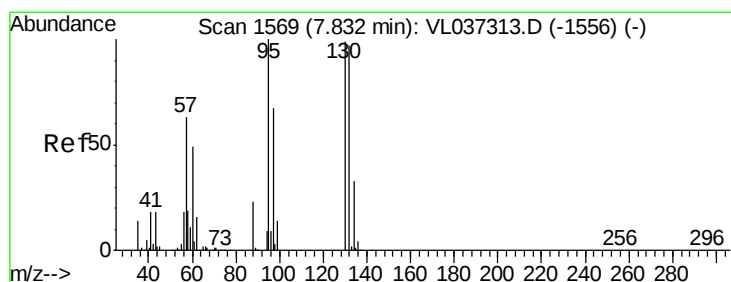
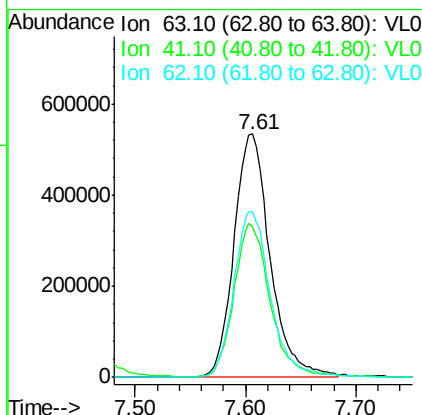
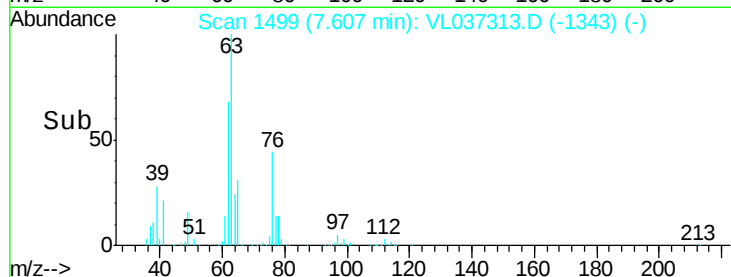
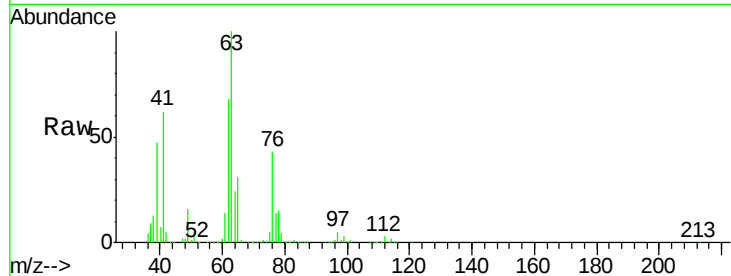
#39
 1,2-Dichloropropane
 Concen: 9.834 ppbv
 RT: 7.61 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 63 Resp: 1211742
 Ion Ratio Lower Upper
 63 100
 41 61.5 49.2 73.8
 62 67.8 54.2 81.4

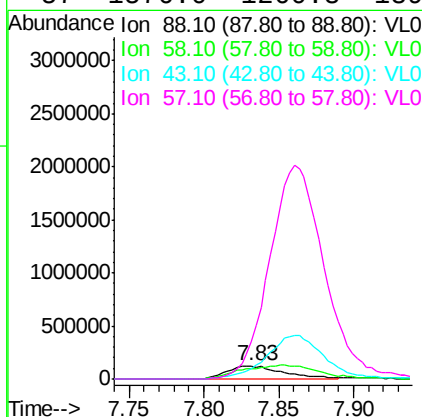
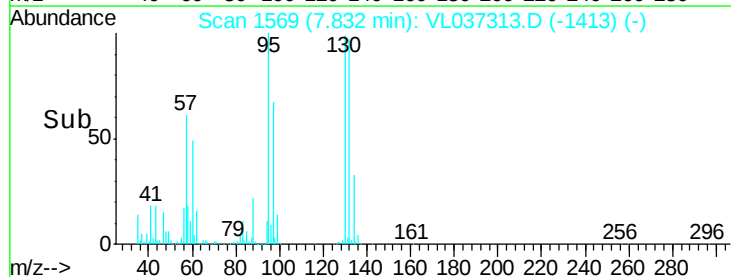
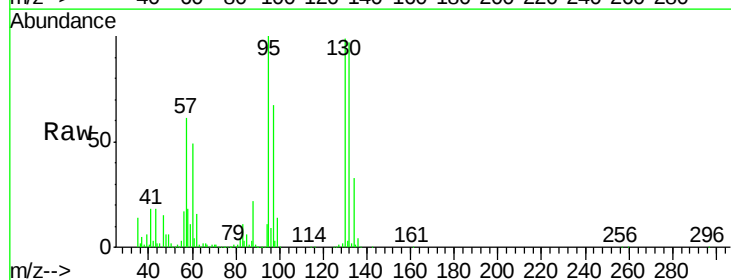
Manual Integrations
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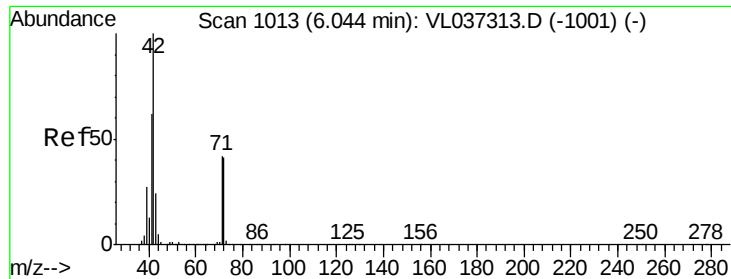
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 8/5/2021 1:39:45 PM



#40
 1,4-Dioxane
 Concen: 17.393 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Tgt Ion: 88 Resp: 328502
 Ion Ratio Lower Upper
 88 100
 58 146.9 117.5 176.3
 43 338.7 271.0 406.4
 57 1576.0 1260.8 1891.2





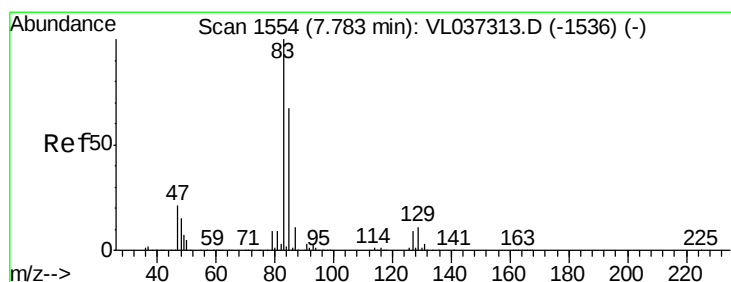
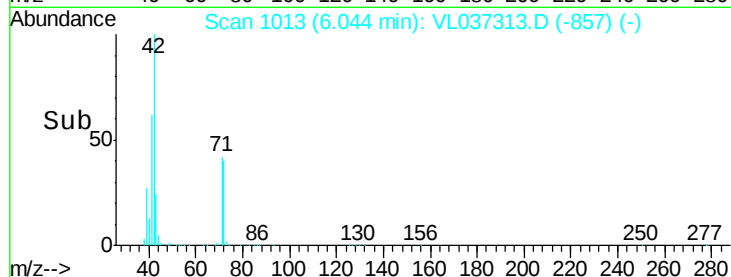
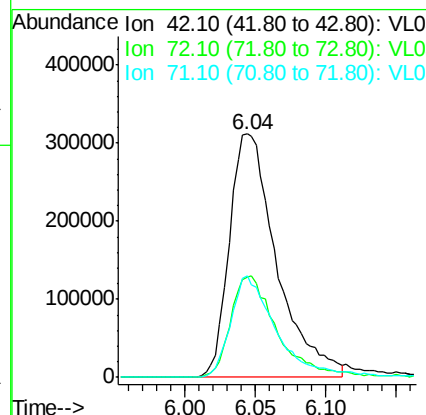
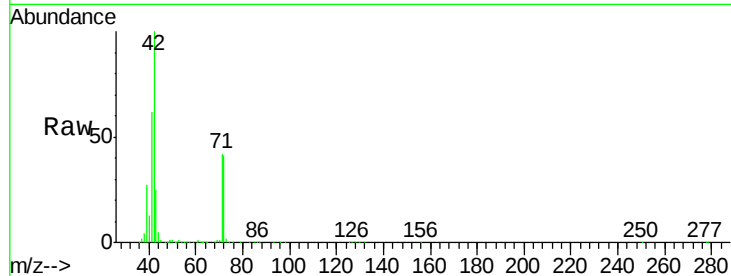
#41
Tetrahydrofuran
Concen: 11.761 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.6	50.4
71	41.2	33.0	49.4

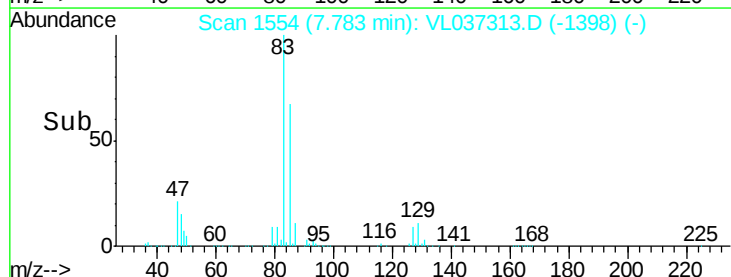
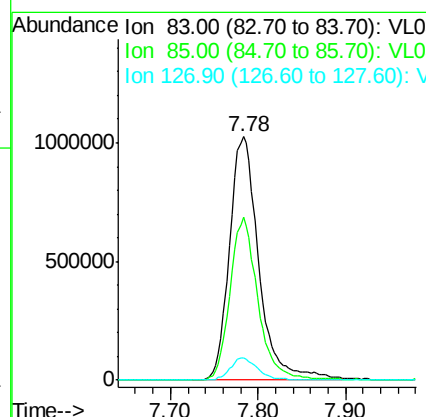
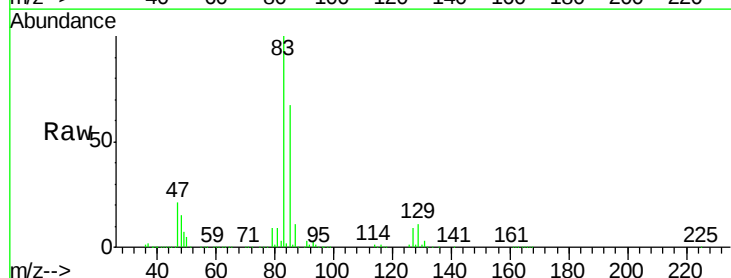
Manual Integrations
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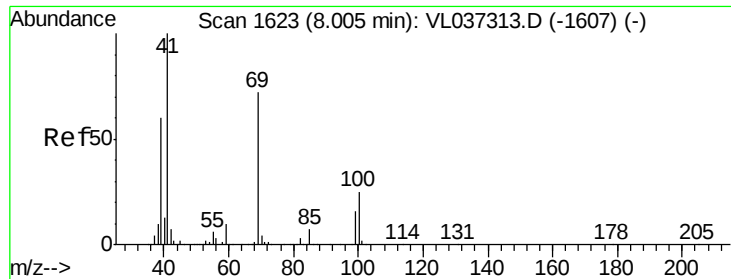
MMDadoda
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#42
Bromodichloromethane
Concen: 8.989 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	53.5	80.3
127	8.9	7.1	10.7





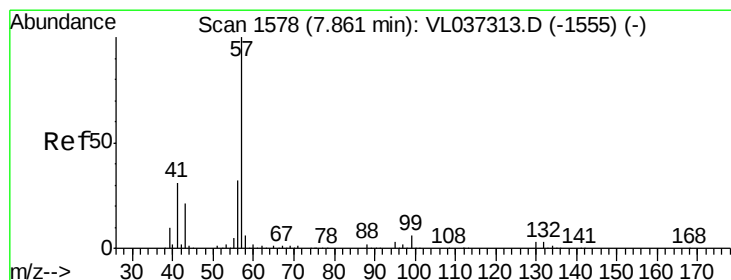
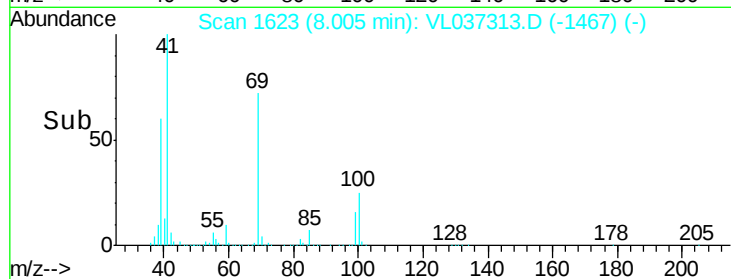
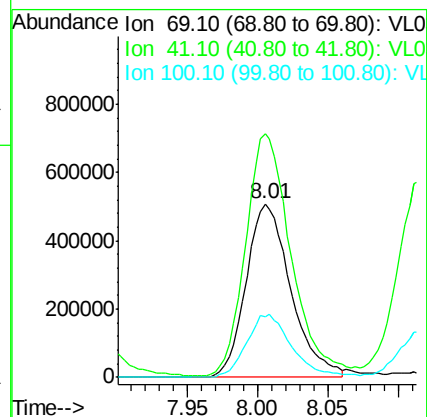
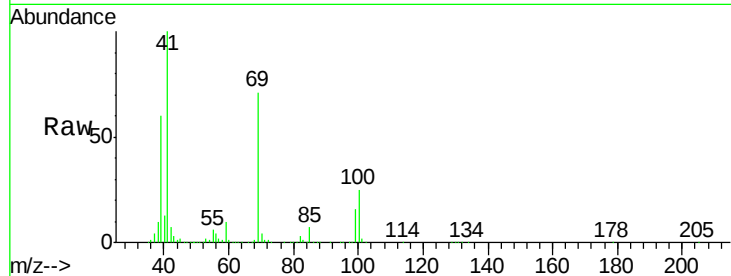
#43
Methvl Methacrylate
Concen: 9.582 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1128174
Ion Ratio Lower Upper
69 100
41 143.3 114.6 172.0
100 36.8 29.4 44.2

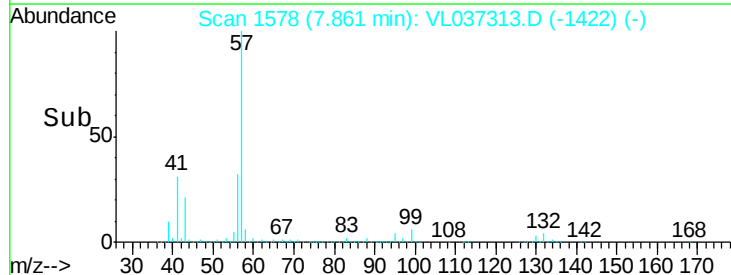
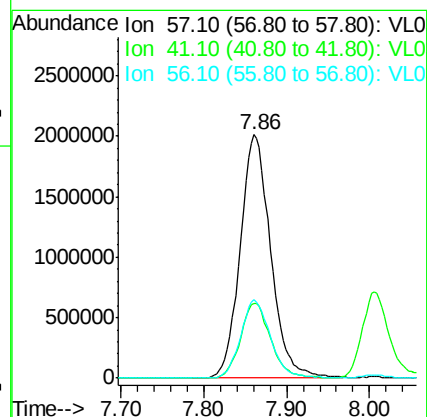
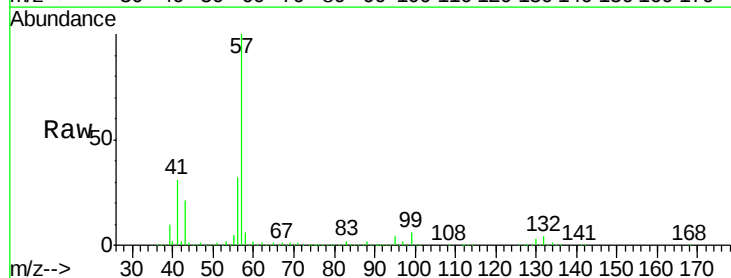
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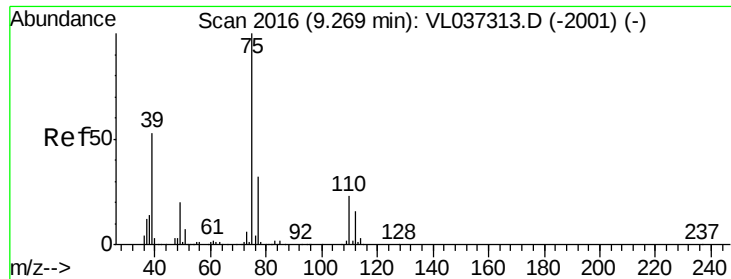
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#44
2,2,4-Trimethylpentane
Concen: 8.197 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion: 57 Resp: 5167774
Ion Ratio Lower Upper
57 100
41 30.4 24.3 36.5
56 31.3 25.0 37.6





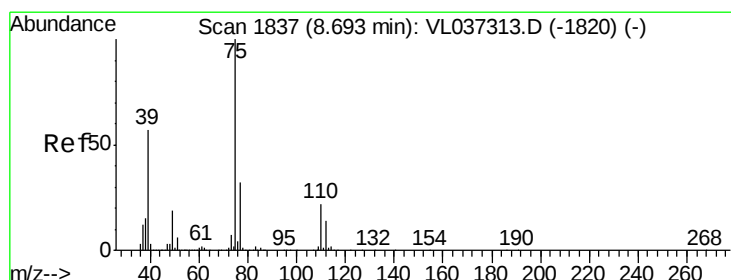
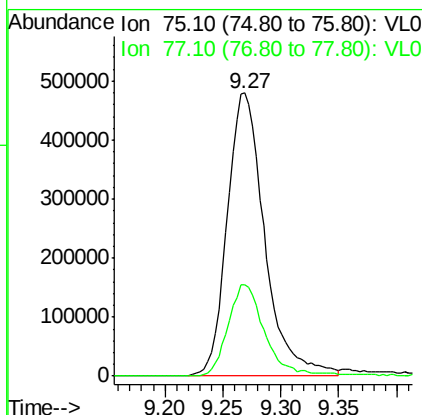
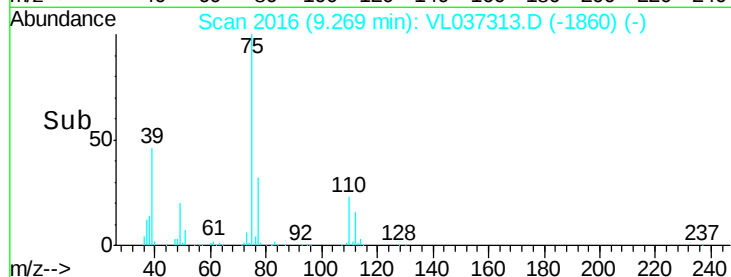
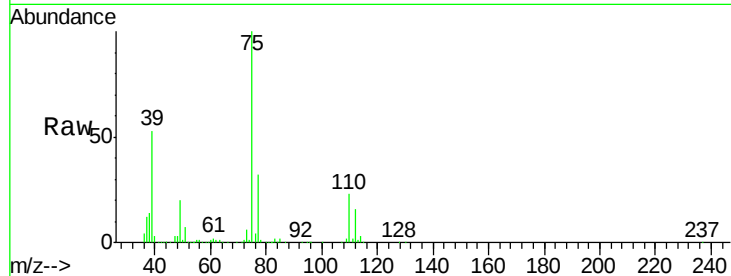
#45
 t-1,3-Dichloropropene
 Concen: 11.211 ppbv
 RT: 9.27 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDICCC010

Tot Ion: 75 Resp: 1069647
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5

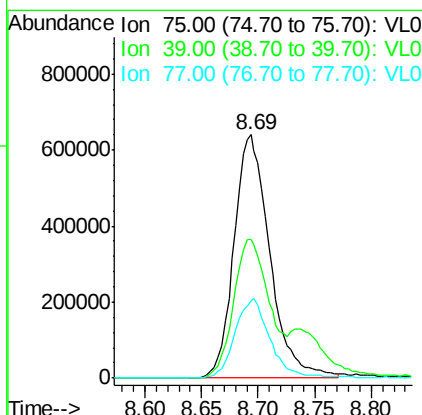
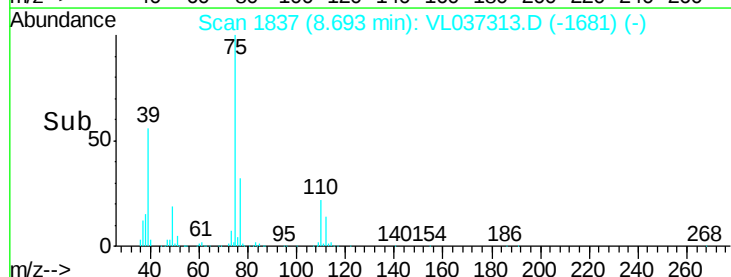
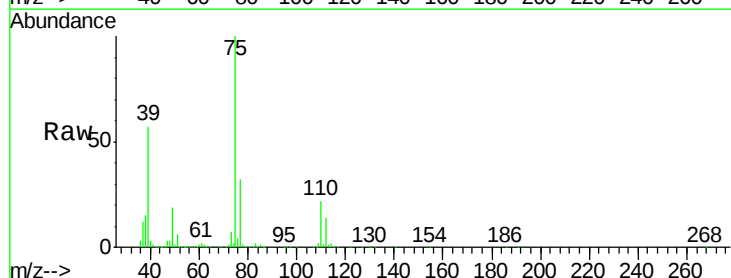
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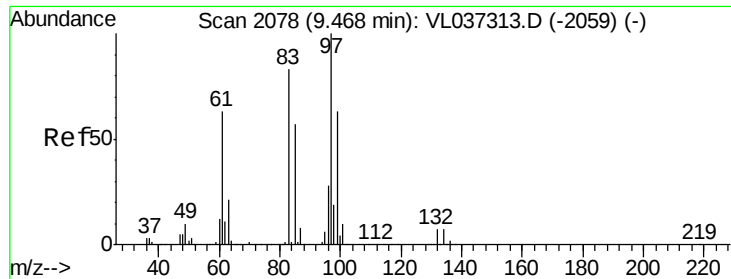
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#46
 cis-1,3-Dichloropropene
 Concen: 9.551 ppbv
 RT: 8.69 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Tgt Ion: 75 Resp: 1408599
 Ion Ratio Lower Upper
 75 100
 39 57.0 45.6 68.4
 77 31.7 25.4 38.0





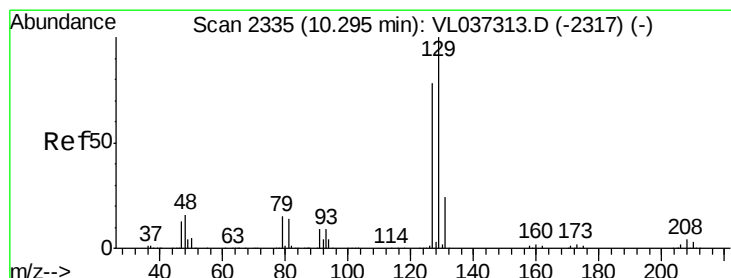
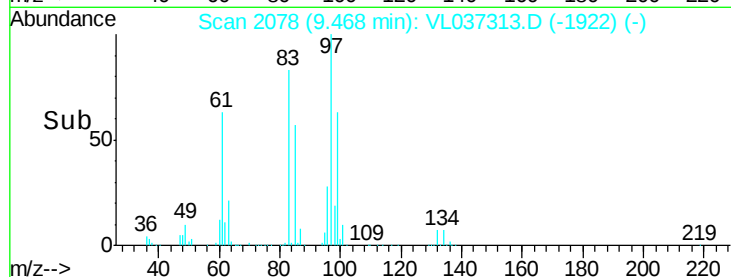
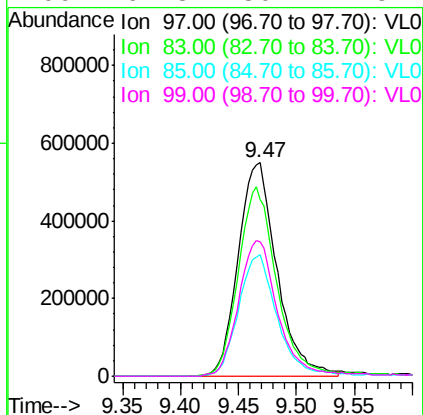
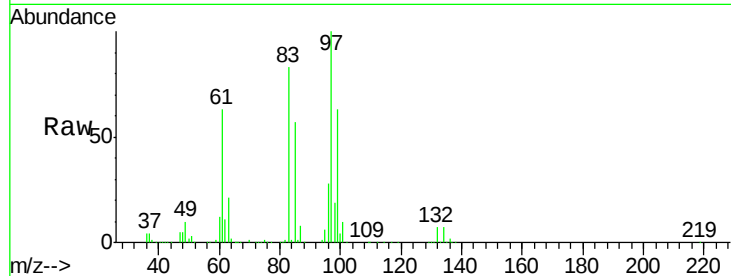
#47
 1,1,2-Trichloroethane
 Concen: 9.546 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	82.5	66.0	99.0	
85	57.1	45.7	68.5	
99	62.8	50.2	75.4	

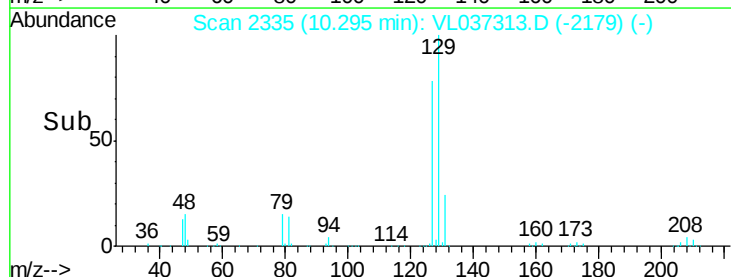
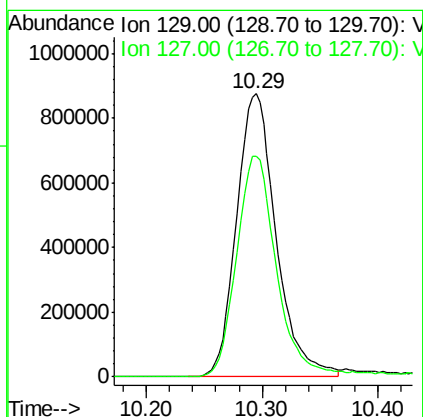
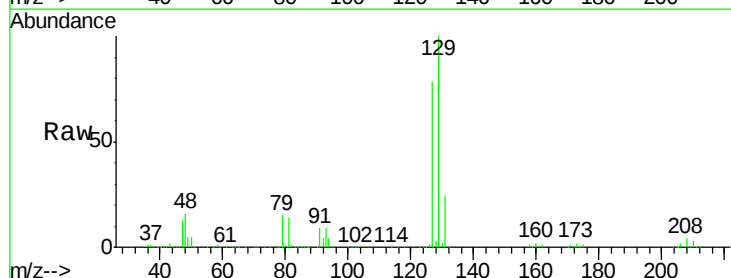
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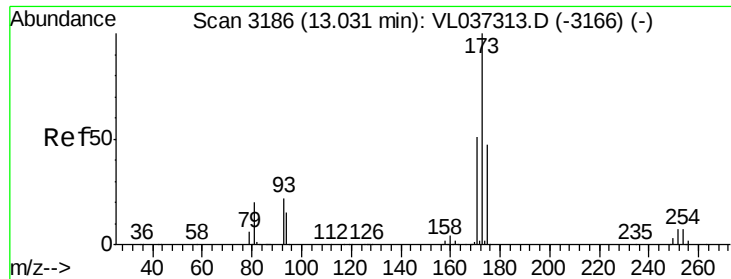
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#48
 Dibromochloromethane
 Concen: 9.157 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	81.8	40.9	122.7	





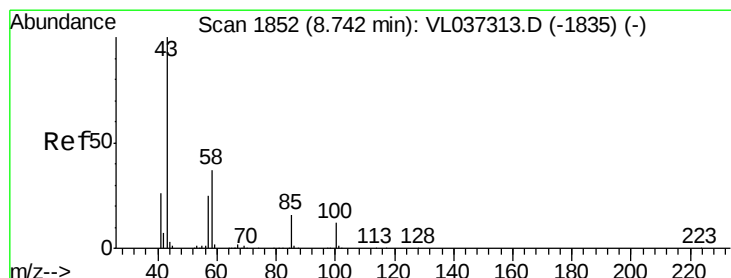
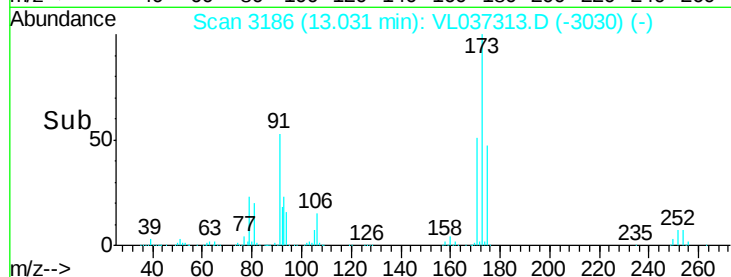
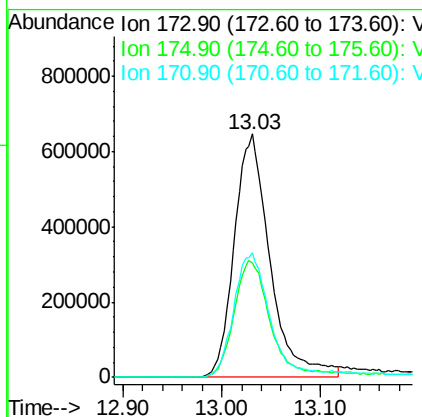
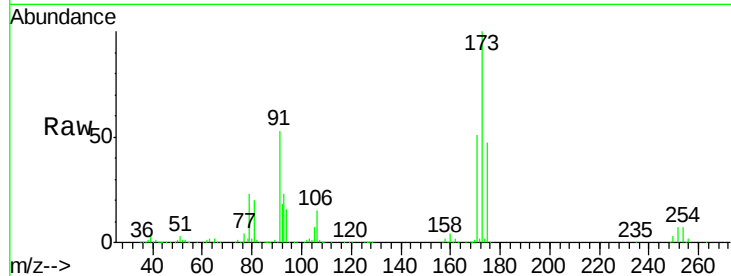
#49
Bromoform
Concen: 9.327 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:173 Resp: 1630045
Ion Ratio Lower Upper
173 100
175 52.9 42.3 63.5
171 56.1 44.9 67.3

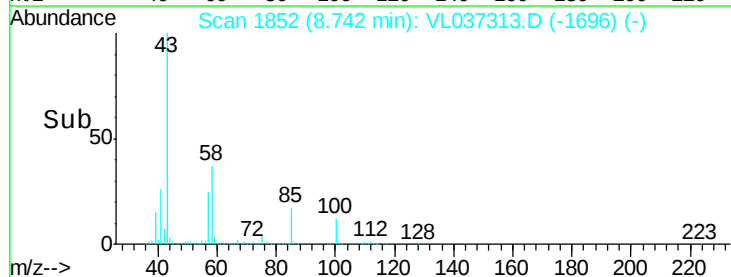
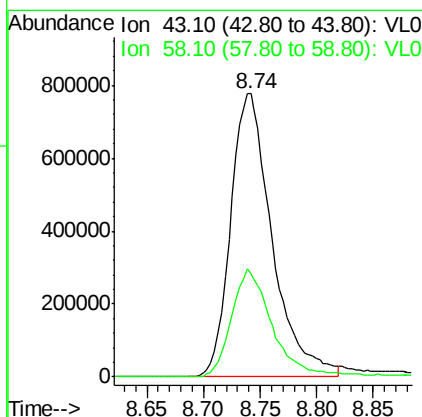
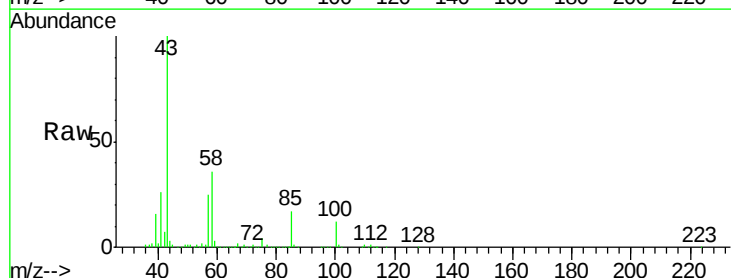
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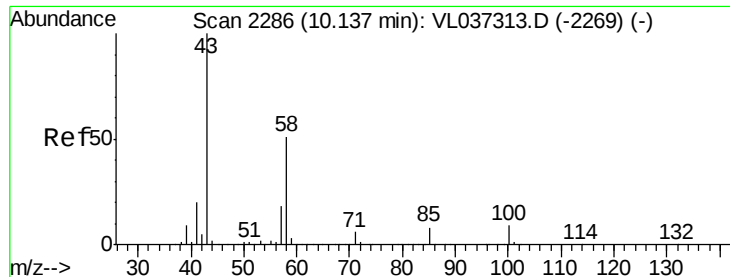
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#50
4-Methyl-2-Pentanone
Concen: 9.294 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion: 43 Resp: 1976784
Ion Ratio Lower Upper
43 100
58 38.7 31.0 46.4





#51

2-Hexanone

Concen: 13.848 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

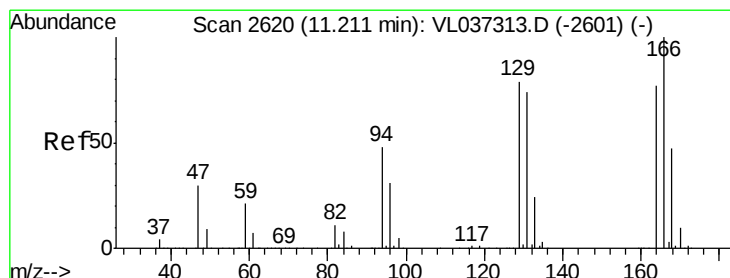
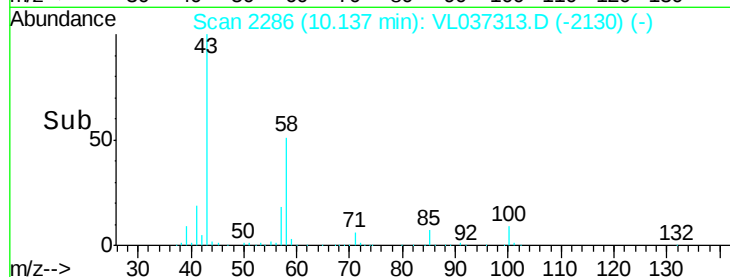
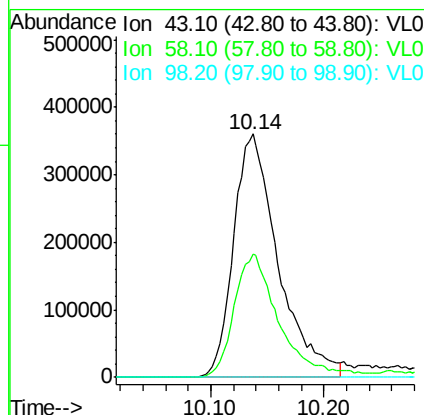
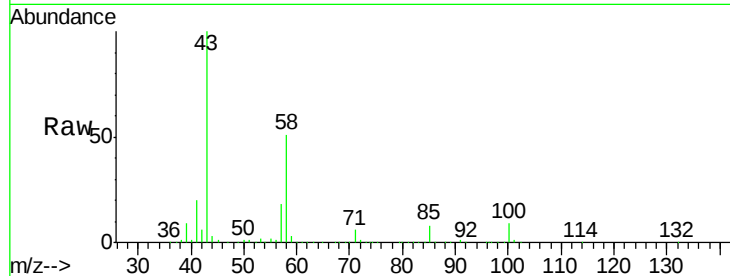
VSTDICCC010

Tot Ion: 43 Resp: 983497

Ion	Ratio	Lower	Upper
43	100		
58	51.1	40.9	61.3
98	0.1	0.1	0.1

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#52

Tetrachloroethene

Concen: 9.311 ppbv

RT: 11.21 min Scan# 2620

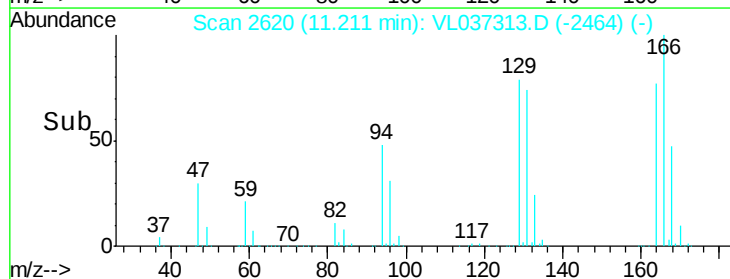
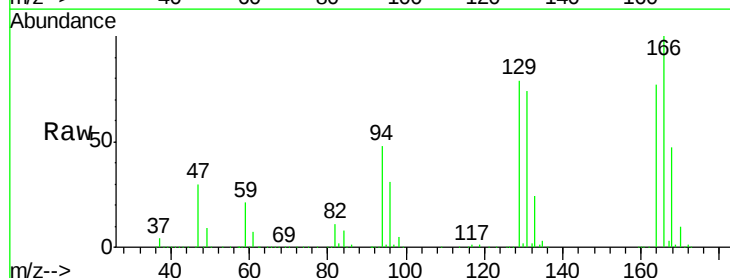
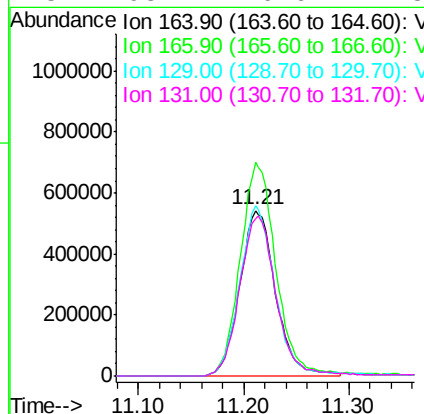
Delta R.T. 0.00 min

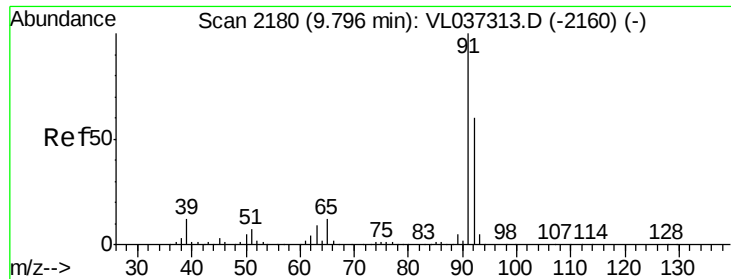
Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Tgt Ion: 164 Resp: 1279436

Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.4	155.2
129	102.7	82.2	123.2
131	95.7	76.6	114.8





#53

Toluene

Concen: 8.327 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Tot Ion: 91 Resp: 3750123

Ion Ratio Lower Upper

91 100

92 61.0 48.8 73.2

Instrument :

MSVOA_L

ClientSampleId :

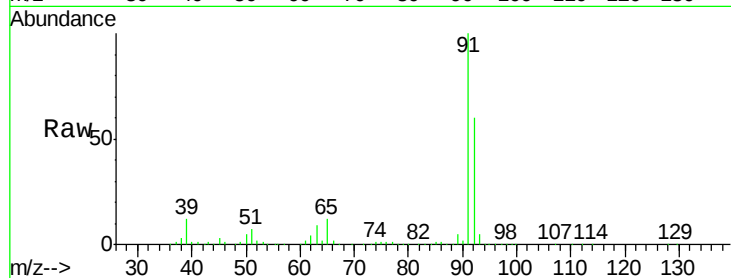
VSTDICCC010

Manual Integrations

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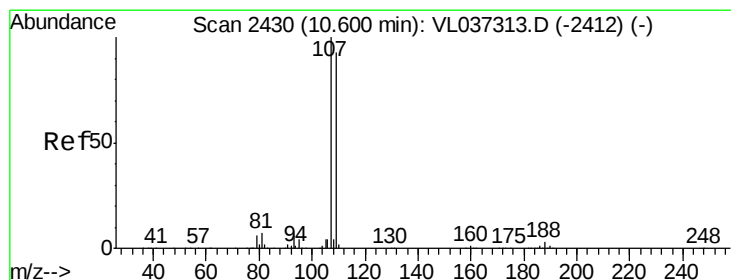
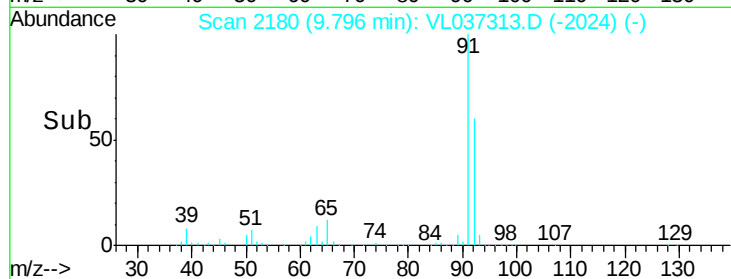
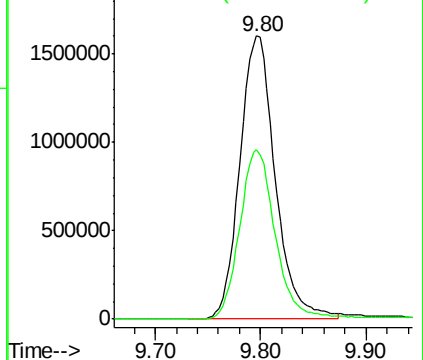
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.620 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL037313.D

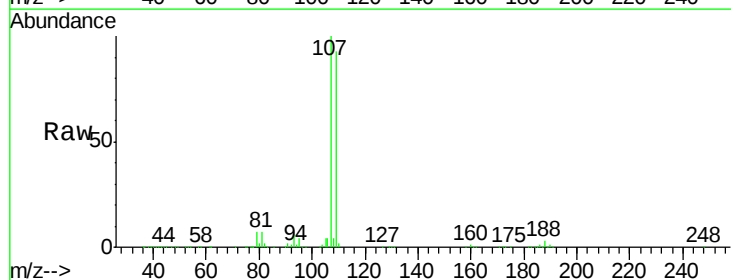
Acq: 4 Aug 2021 17:24

Tgt Ion:107 Resp: 1874440

Ion Ratio Lower Upper

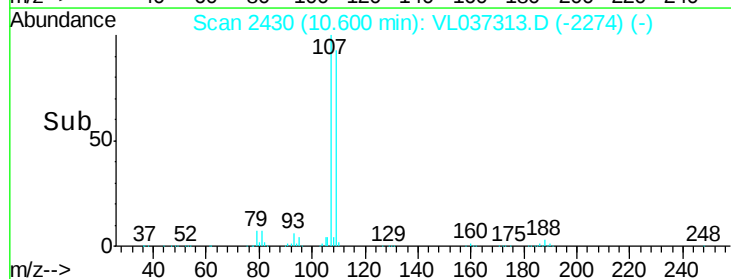
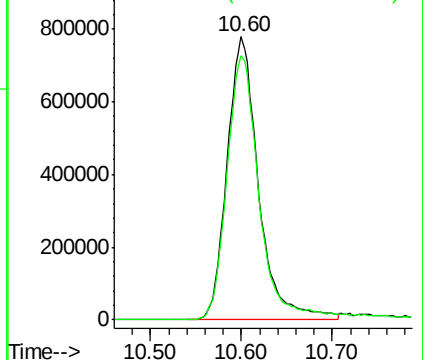
107 100

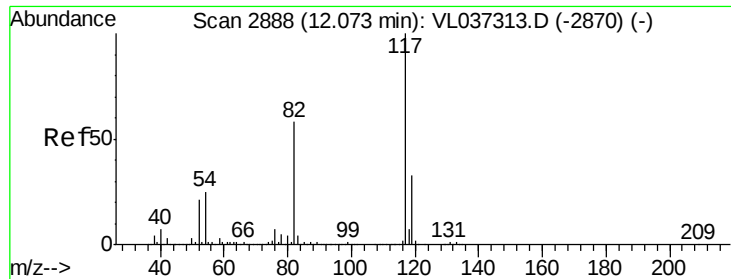
109 93.5 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





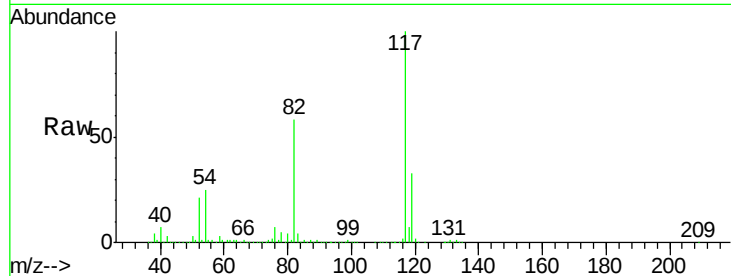
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

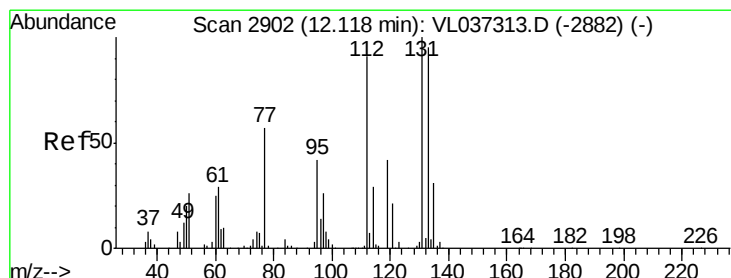
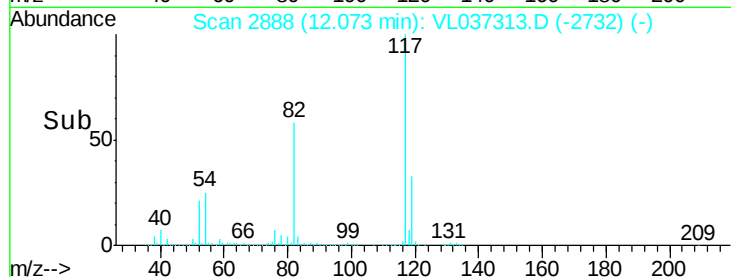
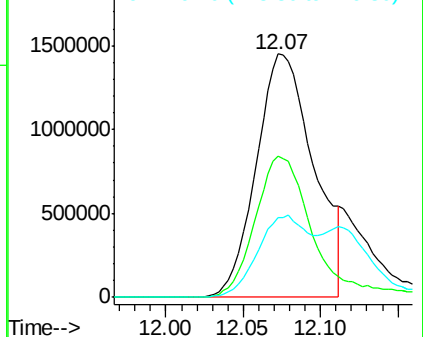
Tot Ion	Ratio	Lower	Upper
117	100		
82	62.9	50.3	75.5
119	60.2	48.2	72.2

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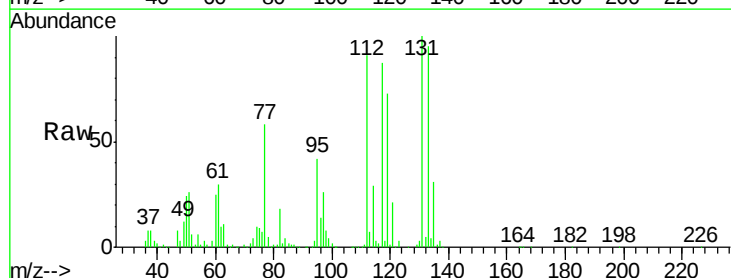


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

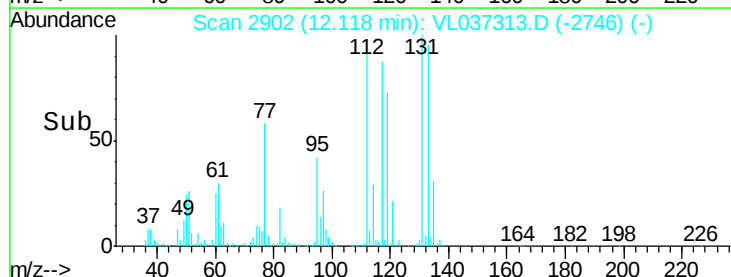
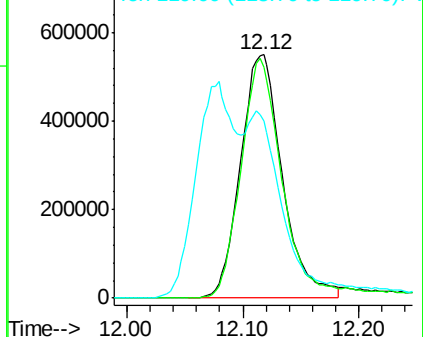


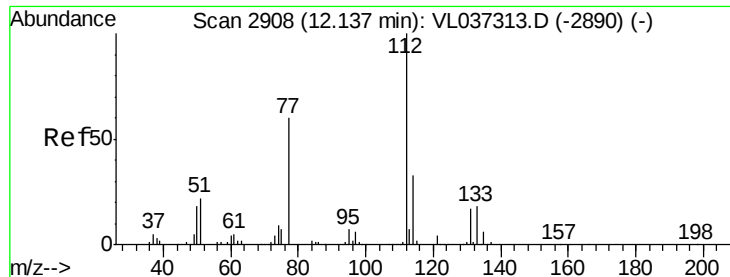
#56
1,1,1,2-Tetrachloroethane
Concen: 8.453 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	103.7	83.0	124.4
119	163.0	130.4	195.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





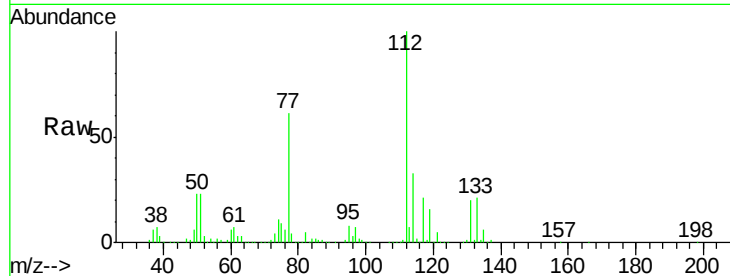
#57
Chlorobenzene
Concen: 8.285 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

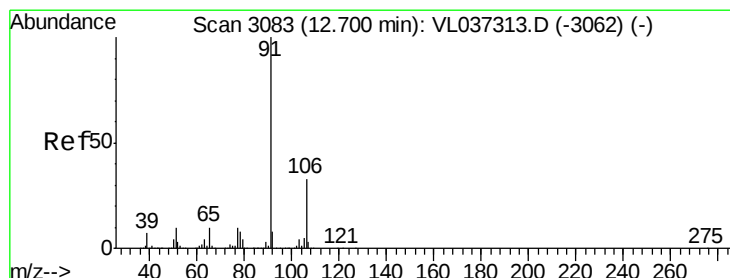
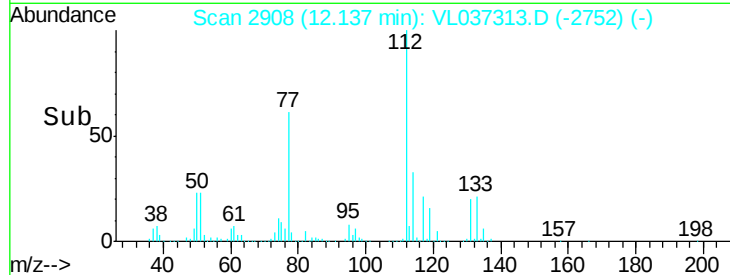
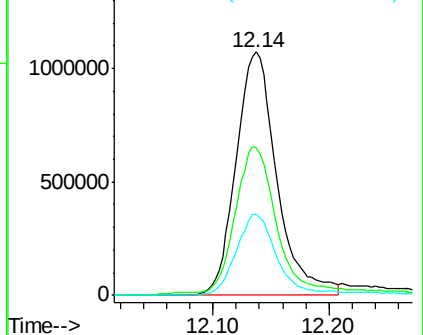
Tot Ion	Ratio	Lower	Upper
112	100		
77	59.7	47.8	71.6
114	33.1	29.8	36.4

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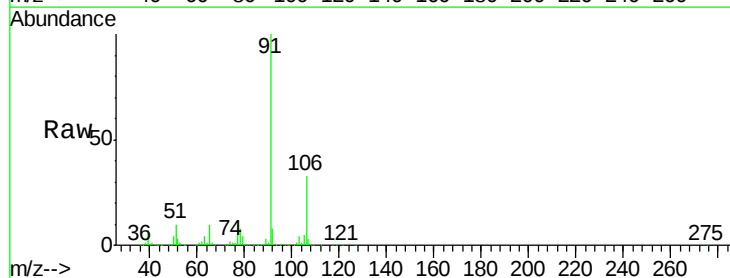


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

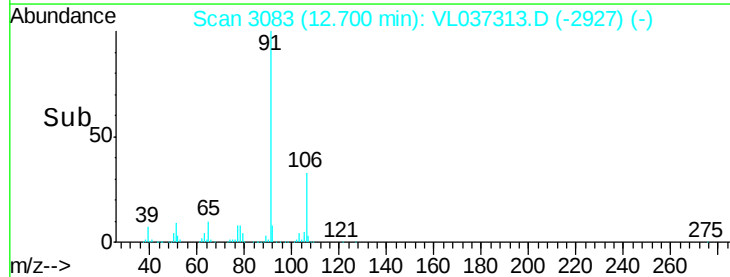
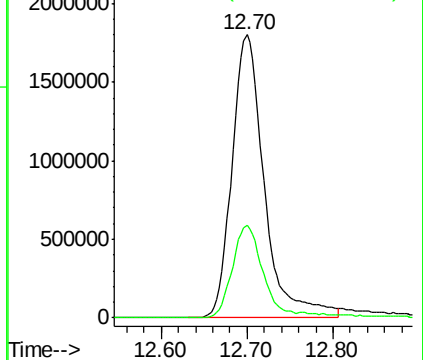


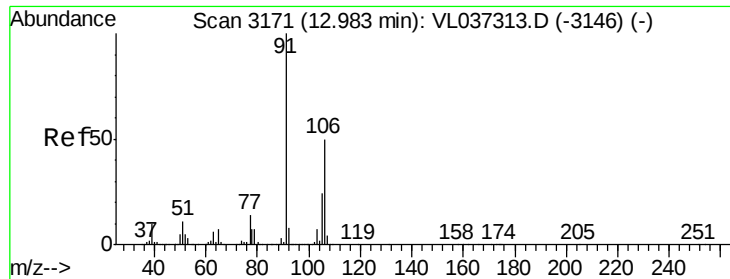
#58
Ethyl Benzene
Concen: 8.552 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.7	26.2	39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





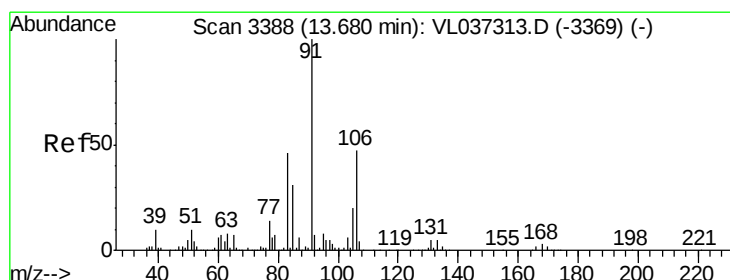
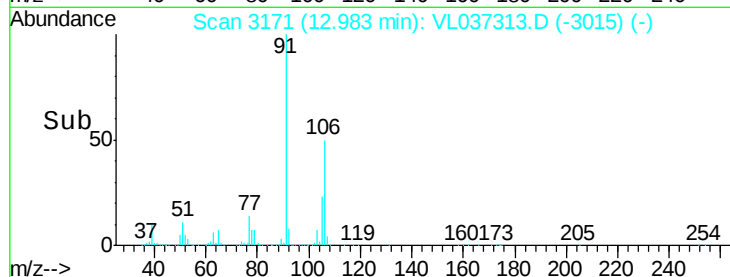
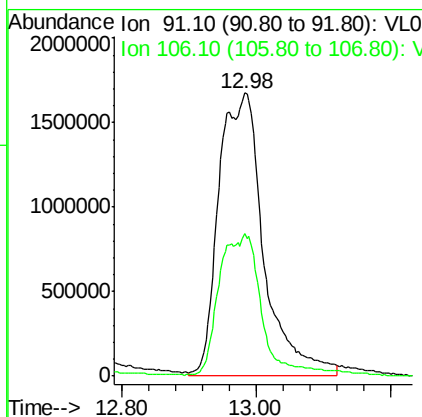
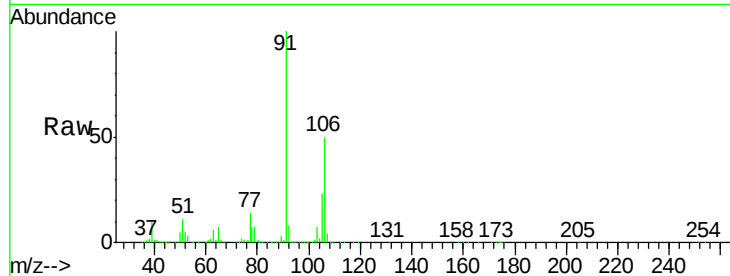
#59
m/p-Xylene
Concen: 25.907 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 7832121
Ion Ratio Lower Upper
91 100
106 48.3 37.8 56.8

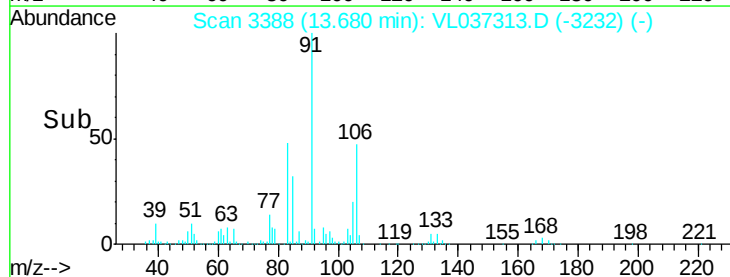
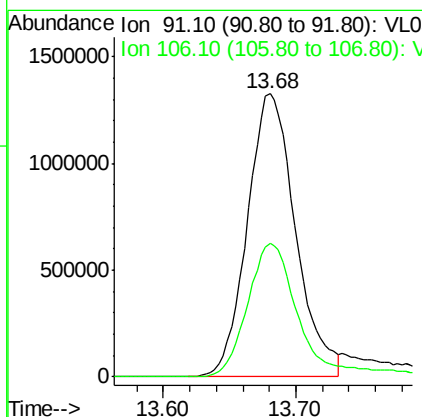
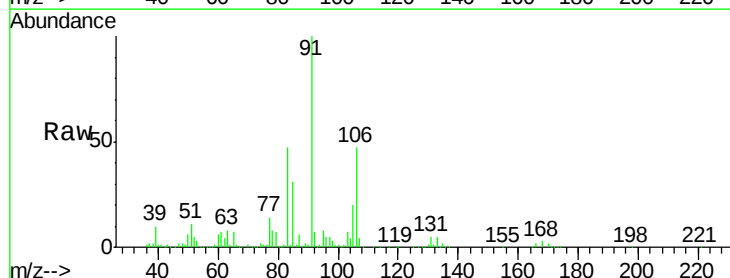
Manual Integrations
APPROVED

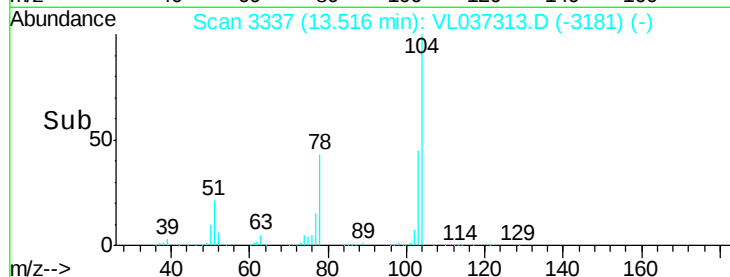
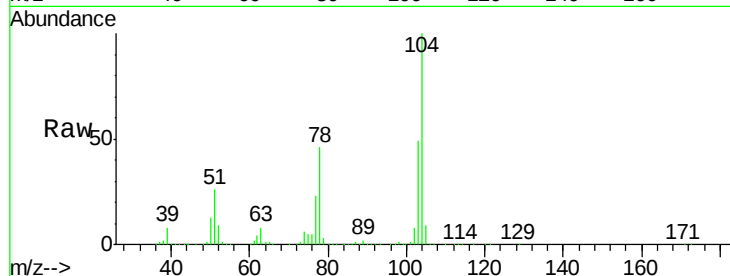
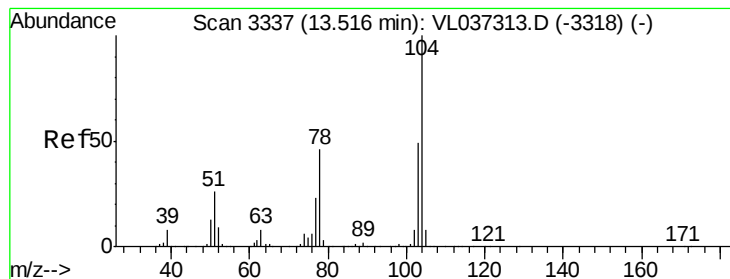
MMDadoda
8/5/2021 1:39:45 PM



#60
o-Xylene
Concen: 7.875 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion: 91 Resp: 3356580
Ion Ratio Lower Upper
91 100
106 52.5 26.3 78.8





#61

Stvrene

Concen: 8.635 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Tot Ion:104 Resp: 2017157

Ion Ratio Lower Upper

104 100

78 49.1 39.3 58.9

103 50.7 40.6 60.8

Instrument :

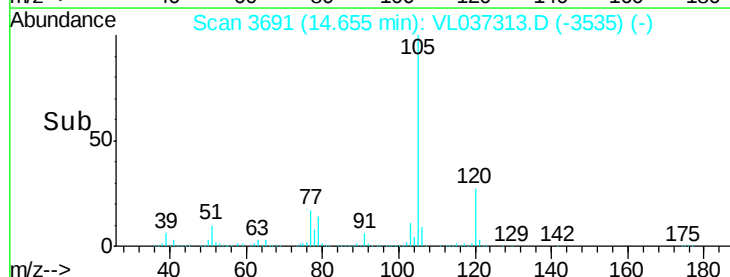
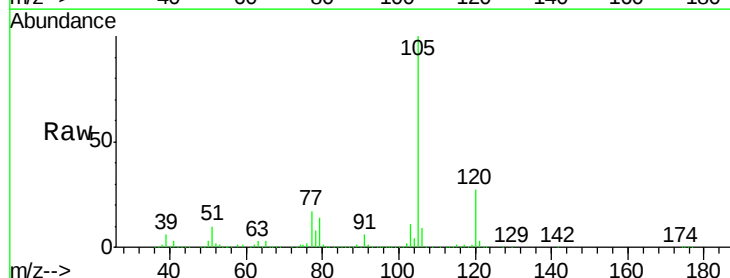
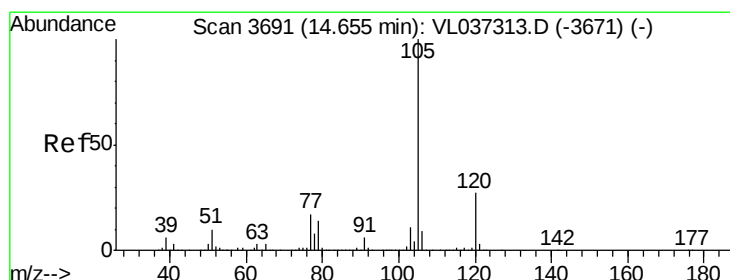
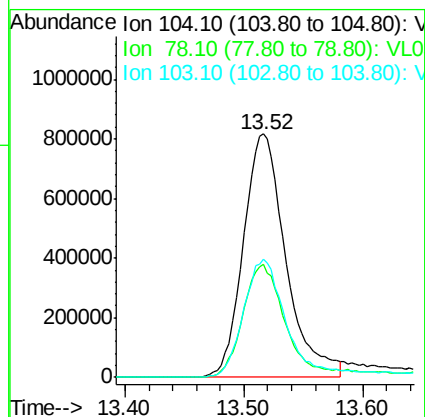
MSVOA_L

ClientSampleId :

VSTDICCC010

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:39:45 PM



#62

Isopropylbenzene

Concen: 8.937 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. 0.00 min

Lab File: VL037313.D

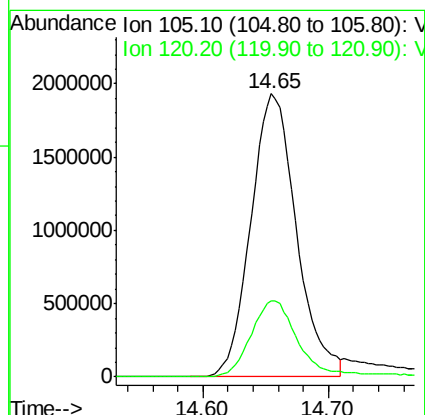
Acq: 4 Aug 2021 17:24

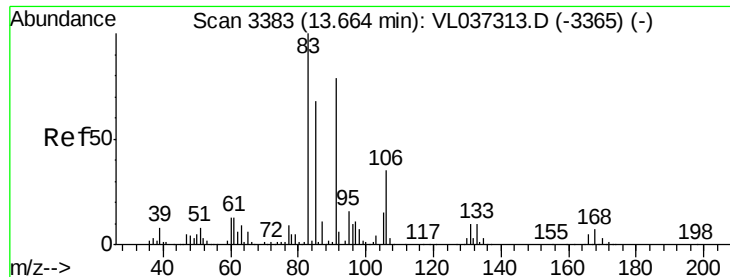
Tgt Ion:105 Resp: 4880365

Ion Ratio Lower Upper

105 100

120 28.8 23.0 34.6





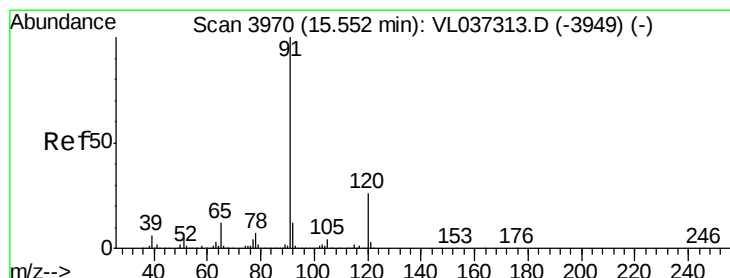
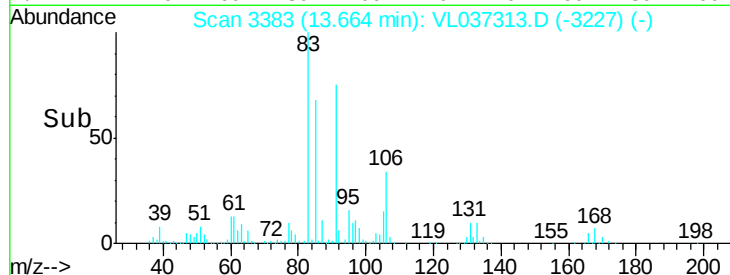
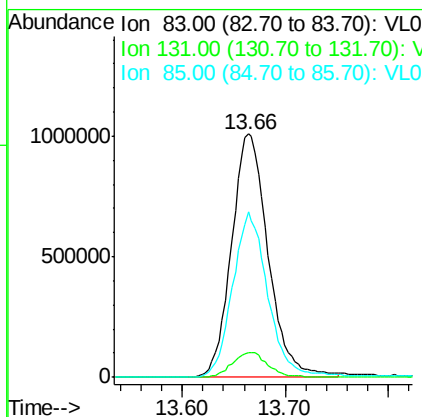
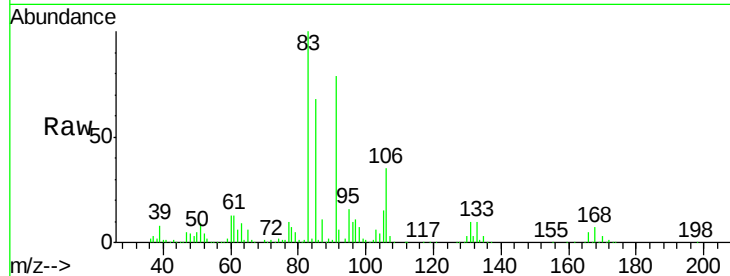
#63
1,1,2,2-Tetrachloroethane
Concen: 9.792 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	83	Resp	2486133
Ion Ratio	100	Lower	Upper
83	100		
131	10.3	5.1	15.4
85	66.9	33.5	100.4

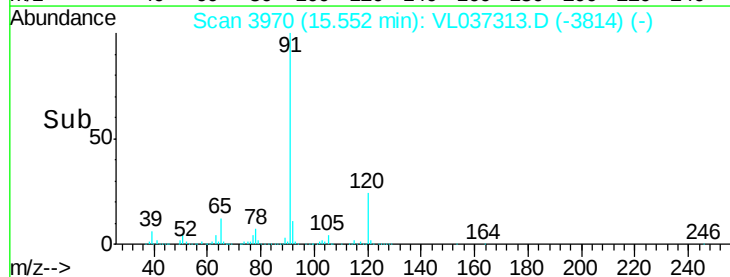
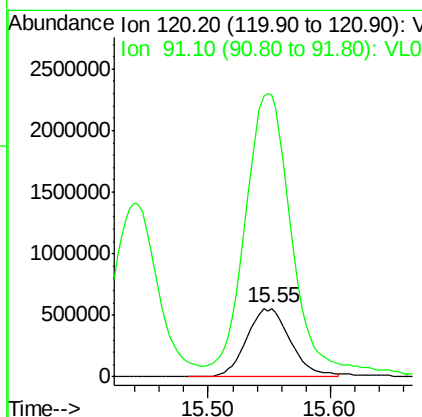
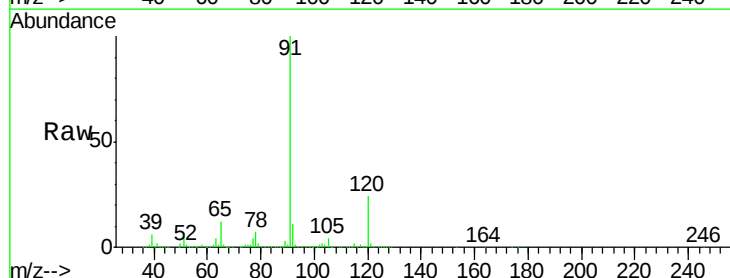
Manual Integrations
APPROVED

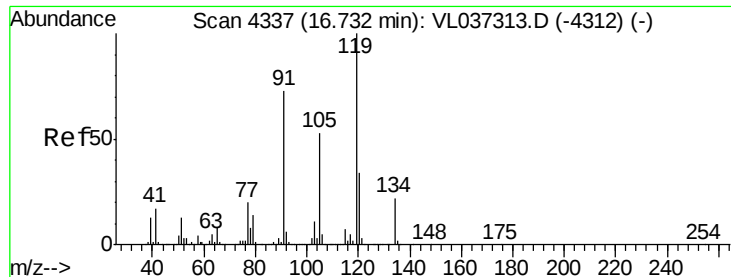
MMDadoda
8/5/2021 1:39:45 PM



#64
n-propylbenzene
Concen: 8.507 ppbv
RT: 15.55 min Scan# 3970
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion	120	Resp	1373093
Ion Ratio	100	Lower	Upper
120	100		
91	451.2	361.0	541.4





#65

tert-Butylbenzene

Concen: 9.001 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:119 Resp: 4622846

Ion Ratio Lower Upper

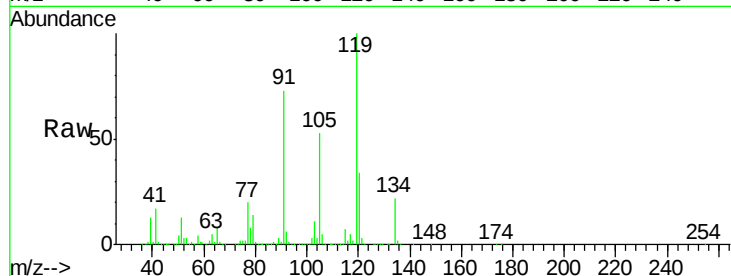
119 100

91 73.3 58.6 88.0

134 20.6 16.5 24.7

Manual Integrations
APPROVED

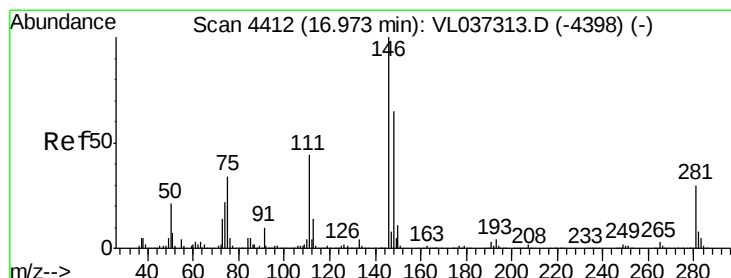
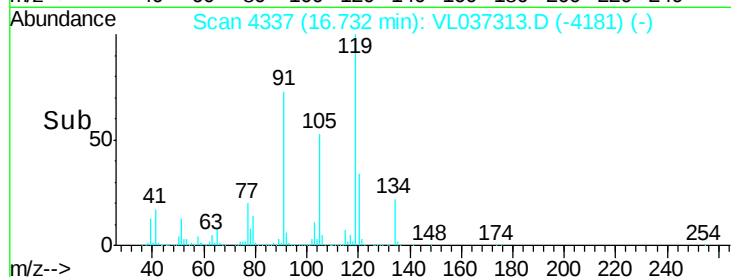
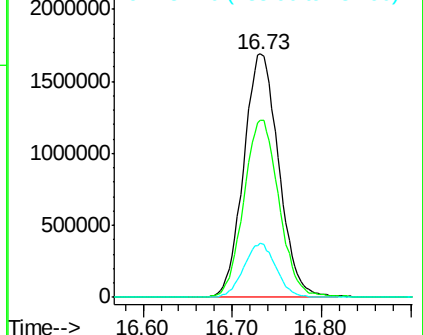
MMDadoda
8/5/2021 1:39:45 PM



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: 2.094 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

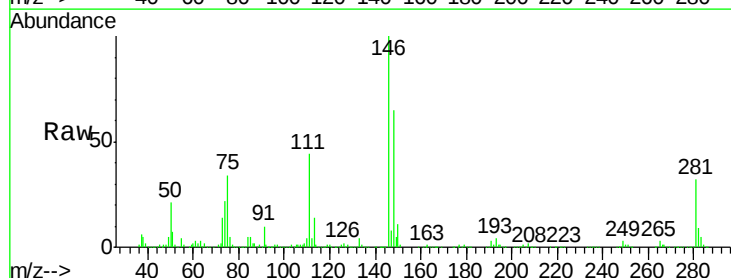
Tgt Ion: 91 Resp: 218387

Ion Ratio Lower Upper

91 100

126 22.2 17.8 26.6

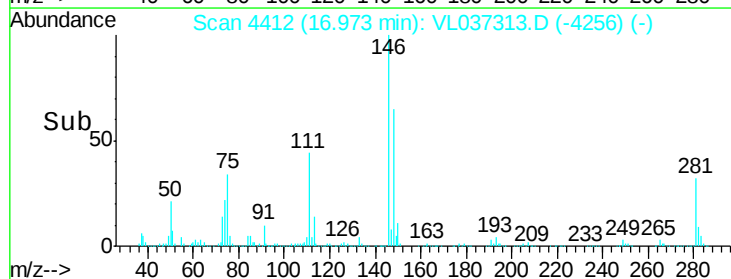
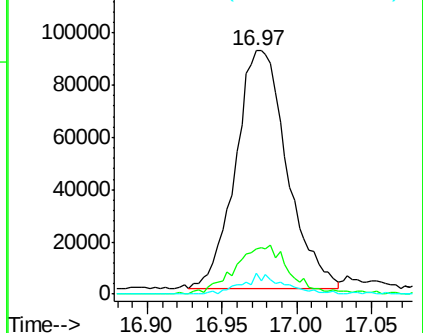
128 7.2 5.8 8.6

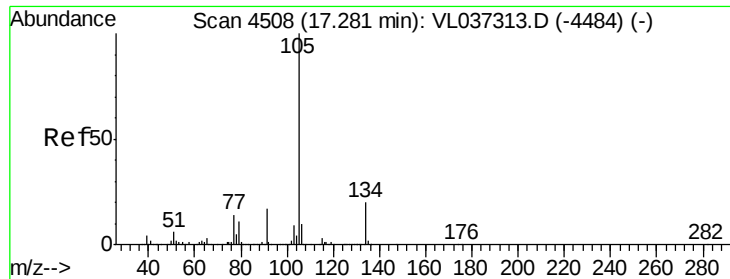


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





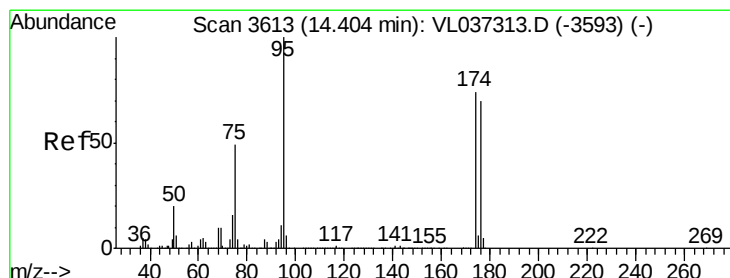
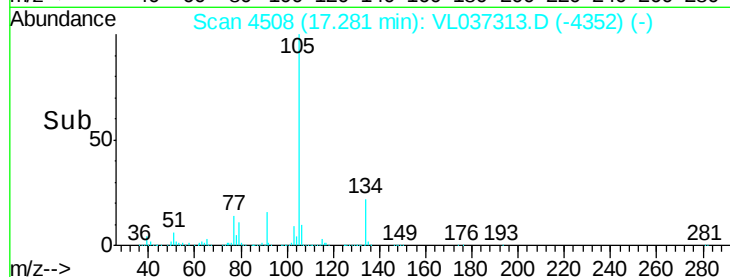
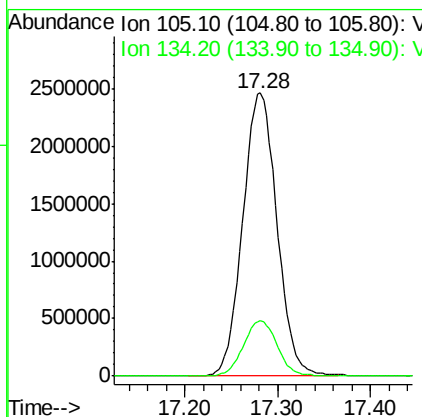
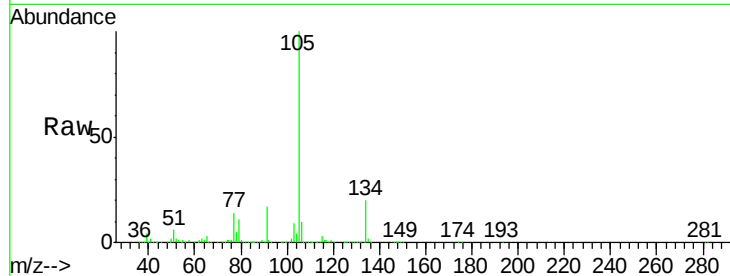
#67
 sec-Butylbenzene
 Concen: 9.192 ppbv
 RT: 17.28 min Scan# 4508
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 6294963
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.4 23.2

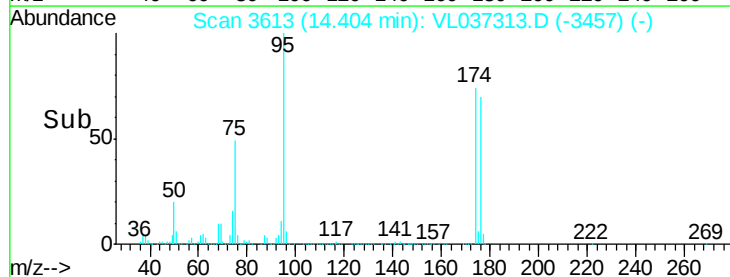
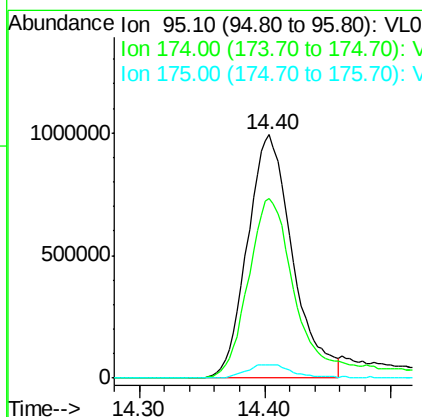
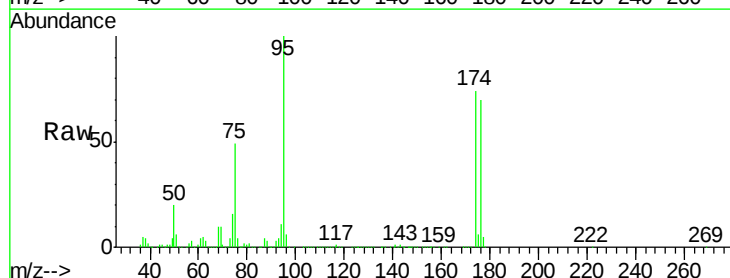
Manual Integrations
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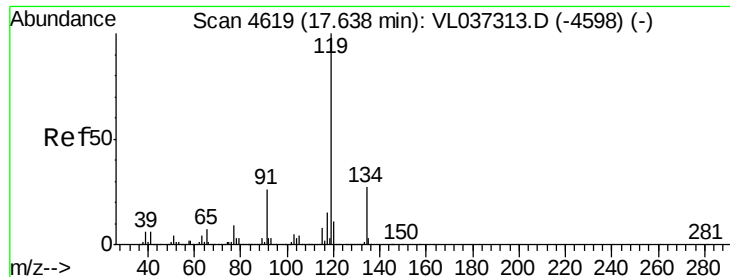
MMDadoda
 8/5/2021 1:39:45 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.539 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Tgt Ion: 95 Resp: 2488426
 Ion Ratio Lower Upper
 95 100
 174 83.6 66.9 100.3
 175 6.4 5.1 7.7





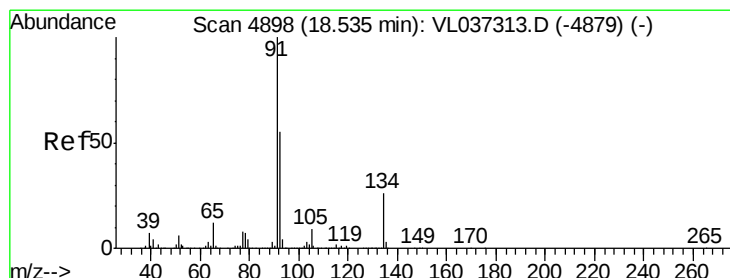
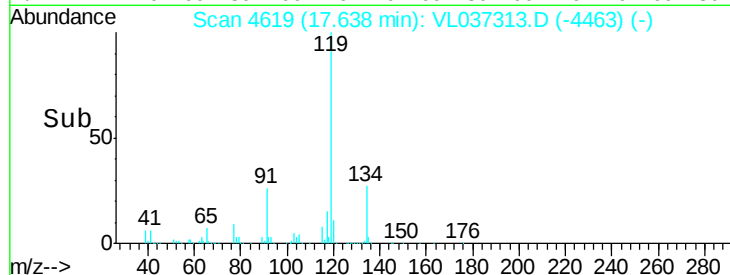
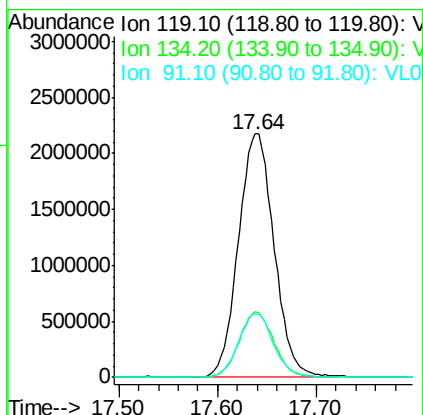
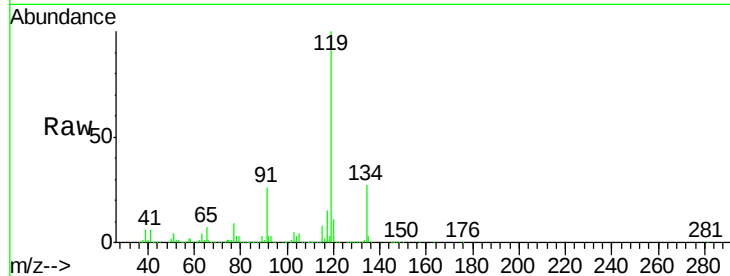
#69
p-Isopropyltoluene
Concen: 8.486 ppbv
RT: 17.64 min Scan# 4619
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.0	31.6
91	25.6	20.5	30.7

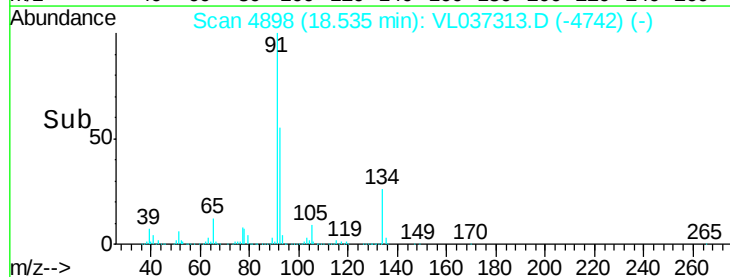
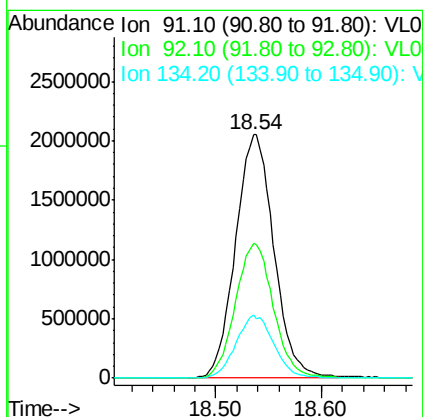
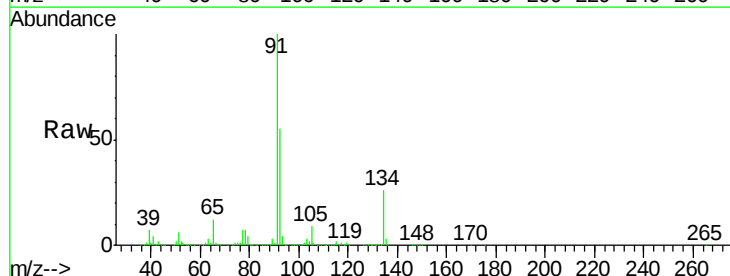
Manual Integrations
APPROVED

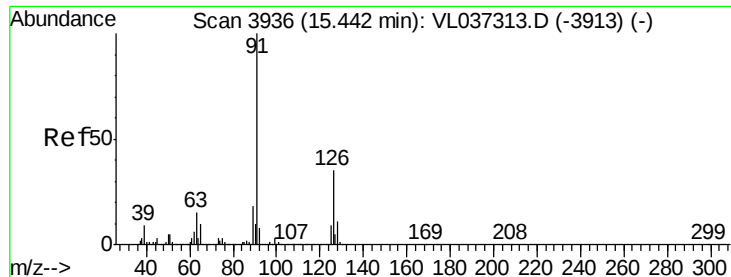
MMDadoda
8/5/2021 1:39:45 PM



#70
n-Butylbenzene
Concen: 8.819 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.1	66.1
134	25.8	20.6	31.0





#71

2-Chlorotoluene

Concen: 8.199 ppbv

RT: 15.44 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3542502

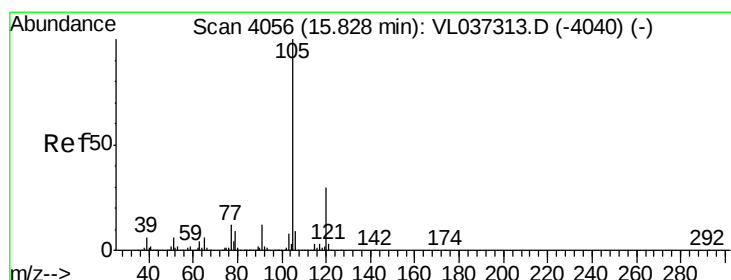
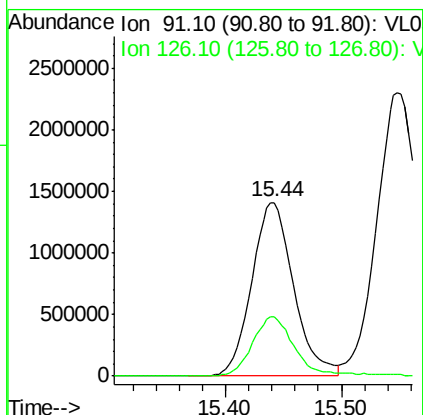
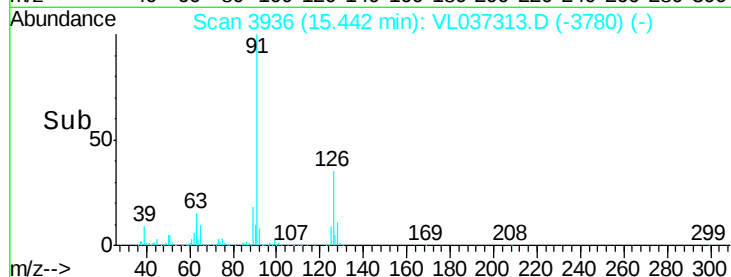
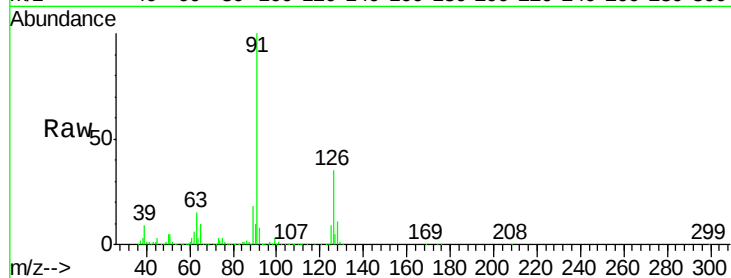
Ion Ratio Lower Upper

91 100

126 35.7 14.3 57.1

Manual Integrations
APPROVED

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8/5/2021 1:39:45 PM



#72

4-Ethyltoluene

Concen: 8.496 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Tgt Ion: 105 Resp: 4332872

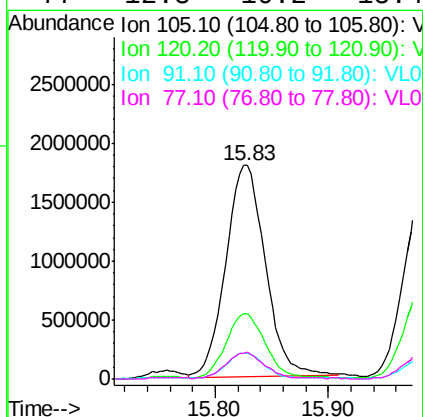
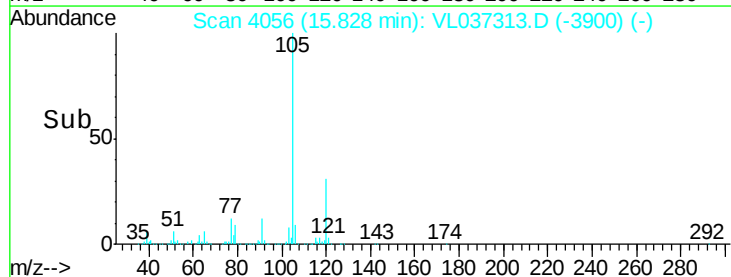
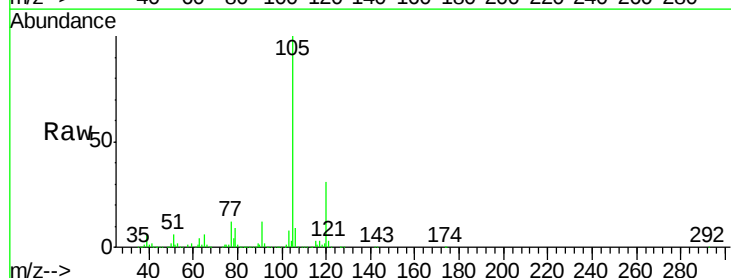
Ion Ratio Lower Upper

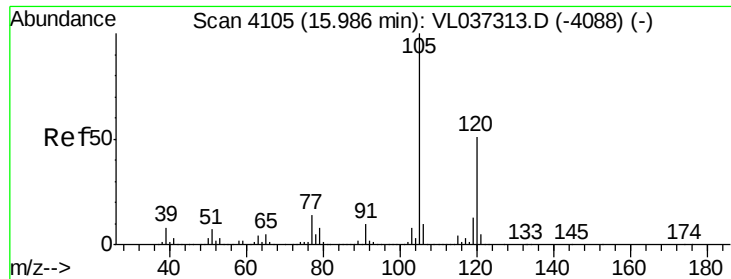
105 100

120 32.0 25.6 38.4

91 11.8 9.4 14.2

77 12.8 10.2 15.4





#73

1,3,5-Trimethylbenzene

Concen: 8.467 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 3898430

Ion Ratio Lower Upper

105 100

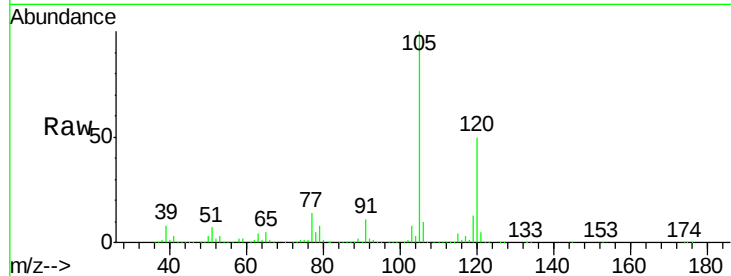
120 50.5 40.4 60.6

Manual Integrations

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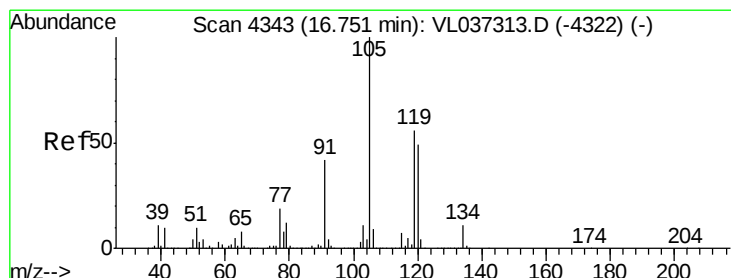
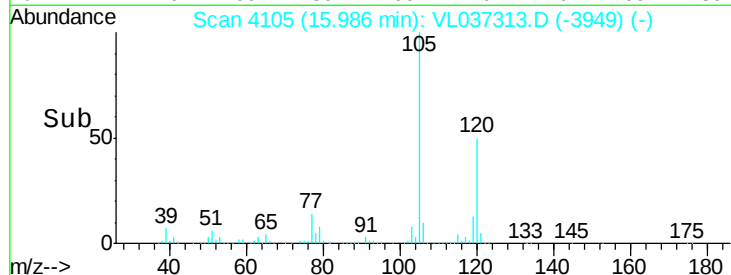
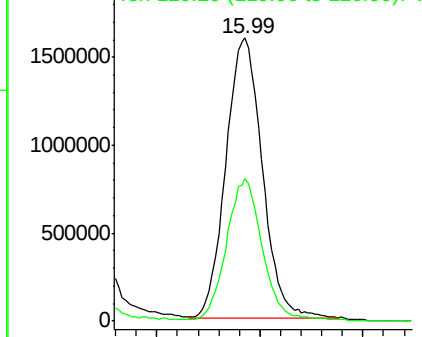
MMDadoda

8/5/2021 1:39:45 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.495 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Tgt Ion:105 Resp: 4176432

Ion Ratio Lower Upper

105 100

120 49.5 39.6 59.4

91 43.1 34.5 51.7

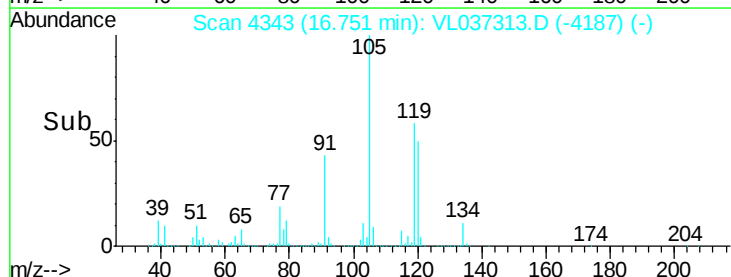
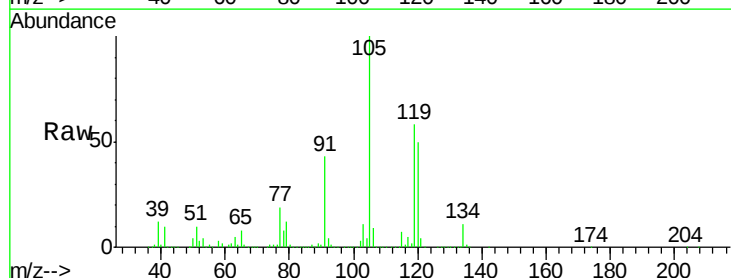
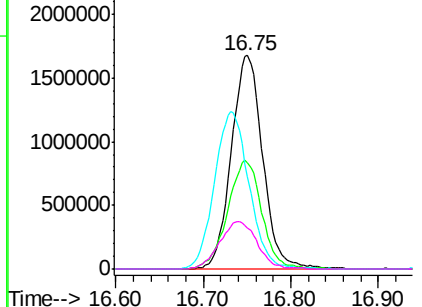
77 19.1 15.3 22.9

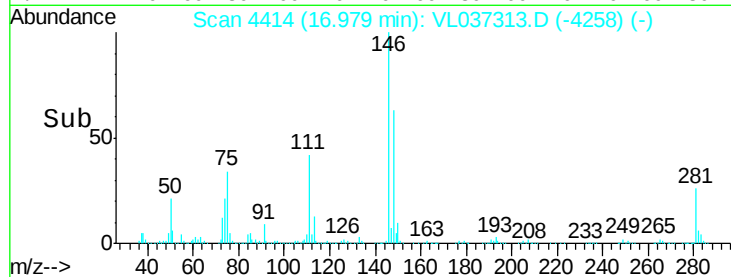
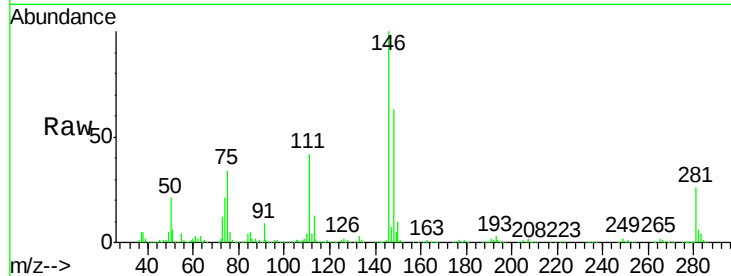
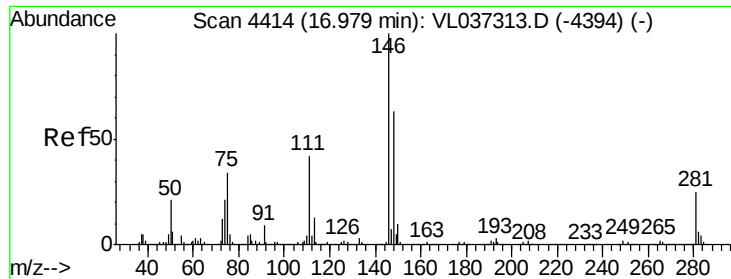
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





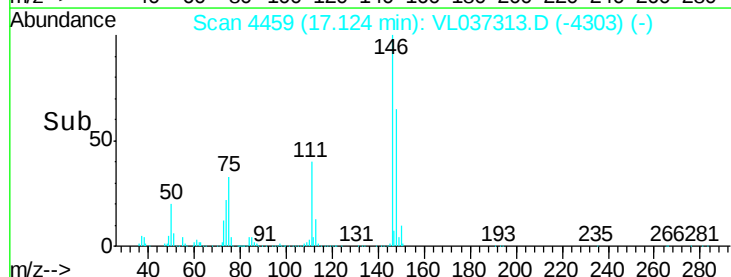
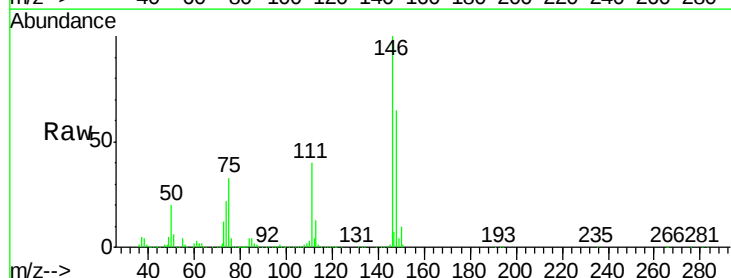
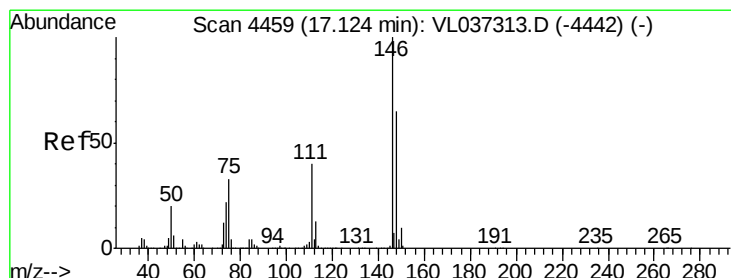
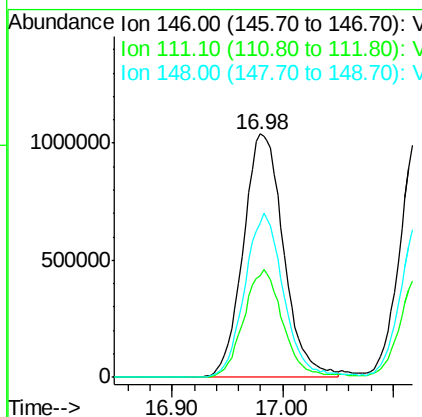
#75
1,3-Dichlorobenzene
Concen: 8.704 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tot Ion:146 Resp: 2637290
Ion Ratio Lower Upper
146 100
111 42.9 21.4 64.3
148 65.1 32.6 97.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

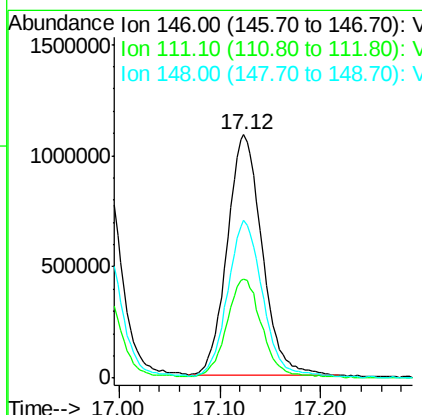
Manual Integrations
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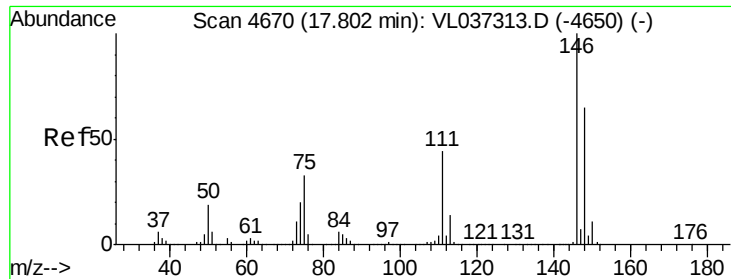
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#76
1,4-Dichlorobenzene
Concen: 8.938 ppbv
RT: 17.12 min Scan# 4459
Delta R.T. 0.00 min
Lab File: VL037313.D
Acq: 4 Aug 2021 17:24

Tgt Ion:146 Resp: 2607857
Ion Ratio Lower Upper
146 100
111 42.0 21.0 63.0
148 66.9 33.5 100.4





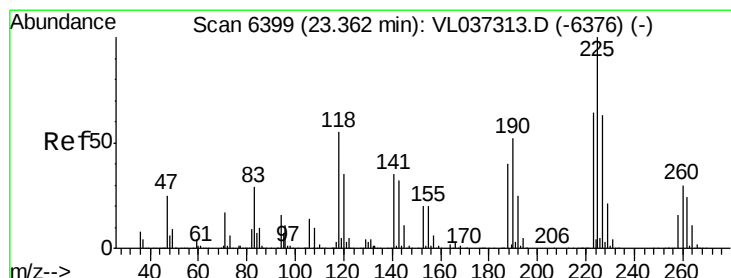
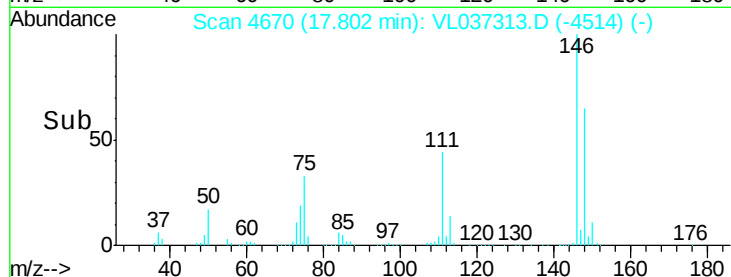
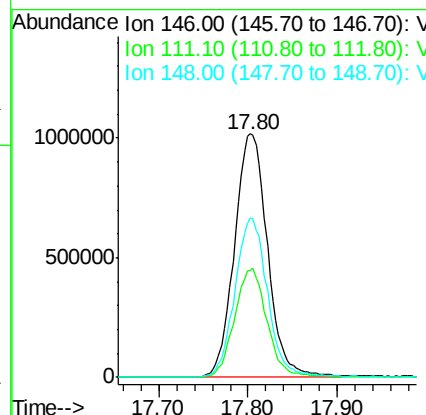
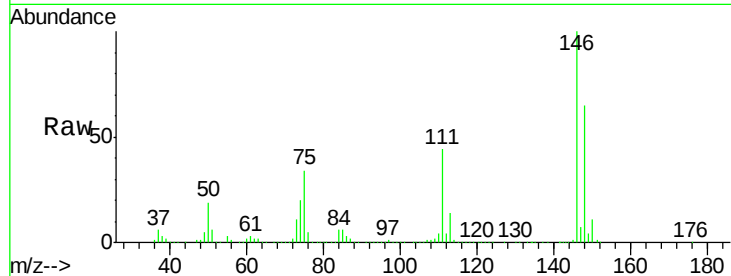
#77
 1,2-Dichlorobenzene
 Concen: 8.989 ppbv
 RT: 17.80 min Scan# 4670
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.5
148	64.9	32.5	97.4

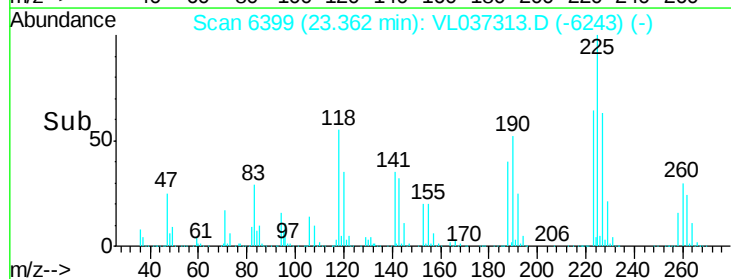
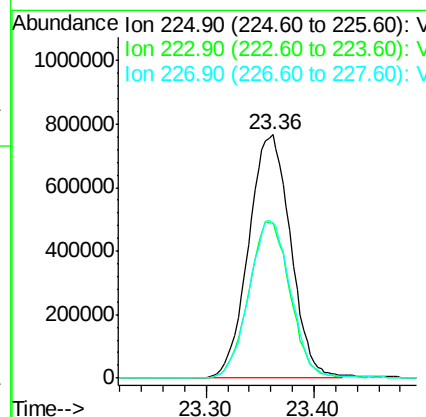
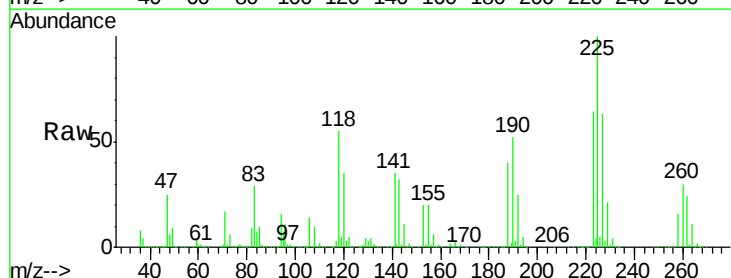
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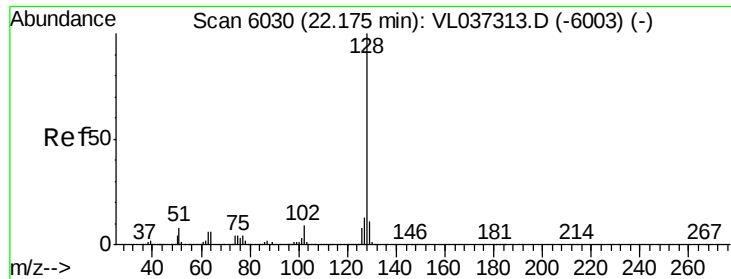
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.061 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.1	76.7
227	64.9	51.9	77.9





#79

Naphthalene

Concen: 11.228 ppbv

RT: 22.18 min Scan# 6030

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 4707640

Ion Ratio Lower Upper

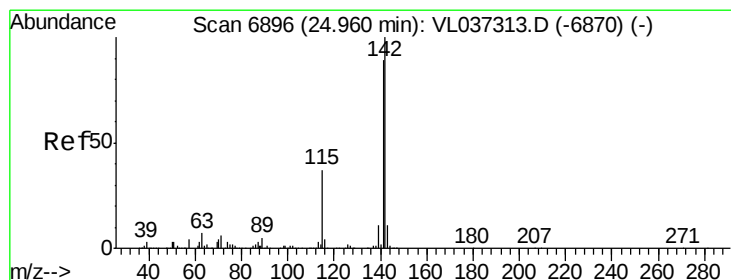
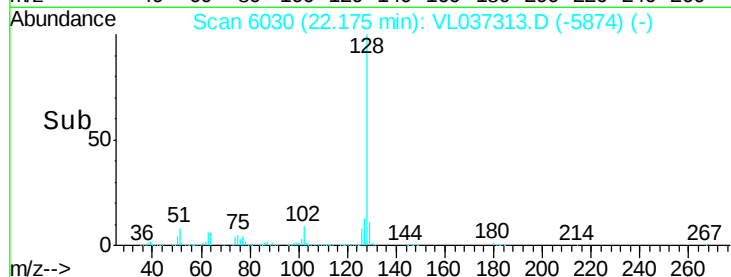
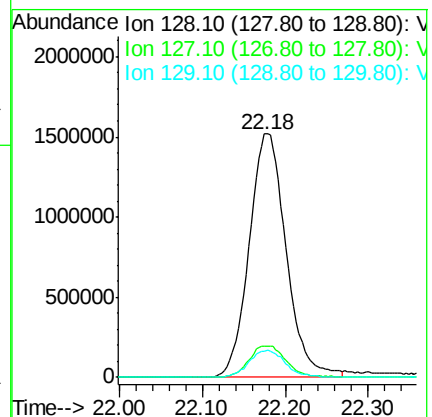
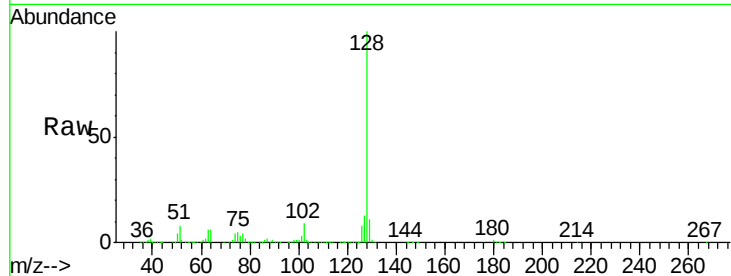
128 100

127 12.9 10.3 15.5

129 10.7 8.6 12.8

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#80

Naphthalene, 2-methyl-

Concen: 16.150 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. 0.00 min

Lab File: VL037313.D

Acq: 4 Aug 2021 17:24

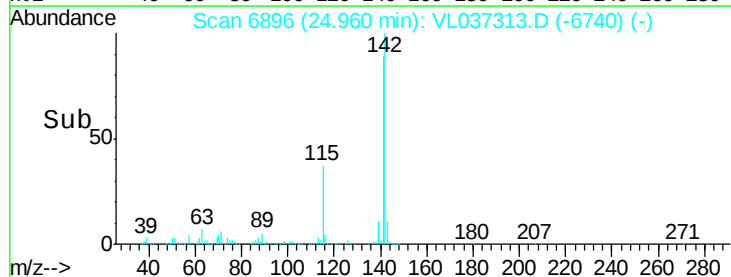
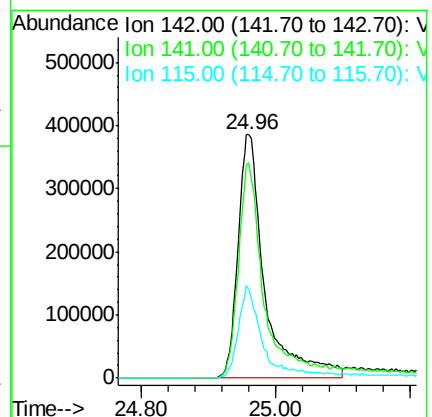
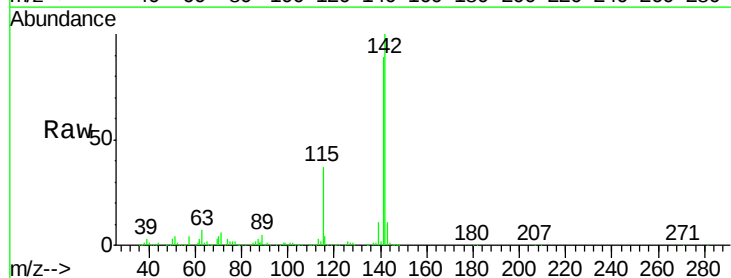
Tgt Ion:142 Resp: 1068104

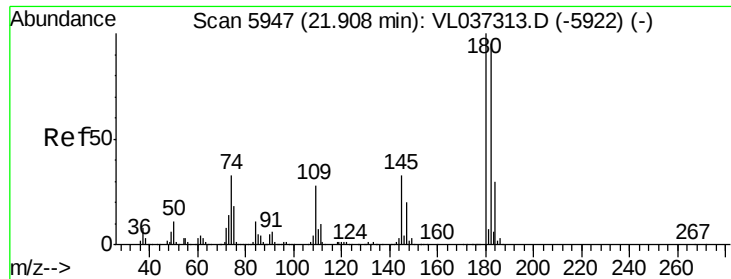
Ion Ratio Lower Upper

142 100

141 84.0 67.2 100.8

115 34.9 27.9 41.9





#81
 1,2,4-Trichlorobenzene
 Concen: 11.692 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.00 min
 Lab File: VL037313.D
 Acq: 4 Aug 2021 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	78.0	117.0
184	31.2	25.0	37.4

Manual Integrations
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