

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092721\
 Data File : VL037676.D
 Acq On : 27 Sep 2021 11:57
 Operator : SY/AP
 Sample : VL0927ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2021 11:04:48 AM

Quant Time: Sep 28 02:08:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1626455	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4771318	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4589379m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3315533	10.00	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	2255572	7.664	ppbv	96
3) Chlorodifluoromethane	2.99	51	2746983	8.954	ppbv	99
4) Chloromethane	3.14	50	1044726	9.217	ppbv	97
5) Vinyl Chloride	3.26	62	1056548	9.924	ppbv	98
6) Bromomethane	3.47	94	538524	8.703	ppbv	95
7) Chloroethane	3.56	64	345920	8.694	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2356110	9.280	ppbv	99
9) Propene	3.02	41	1009659	9.330	ppbv	94
10) Heptane	8.13	43	2555763	10.121	ppbv	100
11) Trichlorofluoromethane	3.95	101	2144502	9.076	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1622346	9.302	ppbv	99
13) Ethanol	3.61	45	101015m	9.543	ppbv	
14) Bromoethene	3.74	108	717996	9.044	ppbv	98
15) Acetone	3.85	43	1255800	7.431	ppbv	96
16) 1,3-Butadiene	3.33	39	1014563	9.608	ppbv	99
17) tert-Butyl alcohol	4.29	59	1269444	8.859	ppbv	100
18) 1,1-Dichloroethene	4.29	96	751533	9.250	ppbv	95
19) Isopropyl Alcohol	3.97	45	812161	8.833	ppbv	99
20) Methylene Chloride	4.35	84	648014	8.032	ppbv	98
21) Allyl Chloride	4.41	41	1142376	9.049	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	767705	9.391	ppbv	95
23) Vinyl Acetate	5.07	43	2275978	9.733	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1534138	9.158	ppbv	99
25) Ethyl Acetate	5.68	43	3946109	9.642	ppbv	99
26) Hexane	5.69	57	1859543	9.565	ppbv	99
27) Carbon Disulfide	4.55	76	1794595	10.090	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1667903	9.740	ppbv	98
29) Chloroform	5.75	83	2664075	9.384	ppbv	97
30) Cyclohexane	7.13	84	1557151	9.365	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1701720	9.642	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2508720	9.492	ppbv	99
34) 2-Butanone	5.25	43	1711706	8.828	ppbv	99
35) Carbon Tetrachloride	7.02	117	2633260	9.756	ppbv	100
36) Benzene	6.89	78	3861955	9.707	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1855788	9.484	ppbv	100
38) Trichloroethene	7.83	130	1544735	9.294	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1482294	9.727	ppbv	99
40) 1,4-Dioxane	7.83	88	341269	9.207	ppbv #	1
41) Tetrahydrofuran	6.05	42	894000	9.808	ppbv	99
42) Bromodichloromethane	7.79	83	2806104	10.005	ppbv	98
43) Methyl Methacrylate	8.01	69	1382014	10.441	ppbv	99

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Instrument :
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 ClientSampleId :
 VL0927ABS01

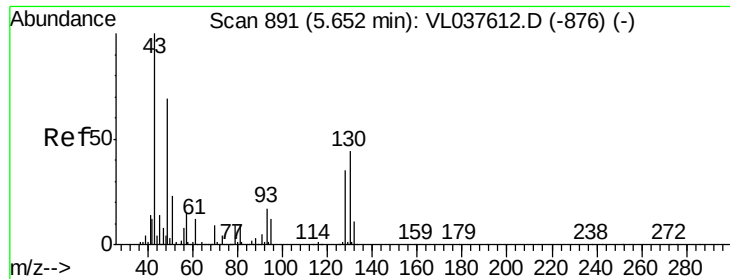
Manual Integrations
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MMDadoda
 10/1/2021 11:04:48 AM

Quant Time: Sep 28 02:08:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6450336	9.644	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1026536	9.874	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1383743	9.853	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1585710	9.407	ppbv	97
48) Dibromochloromethane	10.30	129	2427913	10.324	ppbv	99
49) Bromoform	13.04	173	1992960	10.589	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2527615	10.270	ppbv	99
51) 2-Hexanone	10.13	43	1191548	10.974	ppbv #	99
52) Tetrachloroethene	11.22	164	1409166	9.226	ppbv	99
53) Toluene	9.81	91	4486492	10.145	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2208662	9.569	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1717554	9.022	ppbv	93
57) Chlorobenzene	12.15	112	3266165	8.560	ppbv	97
58) Ethyl Benzene	12.71	91	5646534	9.268	ppbv	100
59) m/p-Xylene	12.99	91	9535182m	17.960	ppbv	
60) o-Xylene	13.69	91	4476161	8.858	ppbv	98
61) Styrene	13.53	104	2561553	10.280	ppbv	100
62) Isopropylbenzene	14.67	105	6290896	8.912	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3272263	8.274	ppbv	100
64) n-propylbenzene	15.56	120	1686559	9.259	ppbv	89
65) tert-Butylbenzene	16.74	119	5506763	8.652	ppbv	100
66) Benzyl Chloride	16.99	91	302816	8.706	ppbv	99
67) sec-Butylbenzene	17.29	105	7678449	8.892	ppbv	99
69) p-Isopropyltoluene	17.65	119	6384220	9.050	ppbv	100
70) n-Butylbenzene	18.54	91	6203713	9.294	ppbv	100
71) 2-Chlorotoluene	15.45	91	4605091	9.103	ppbv	98
72) 4-Ethyltoluene	15.84	105	5481897	9.451	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4874150	9.015	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	5047601	8.863	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	3077042	8.697	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2953311	8.463	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2937088	8.752	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2132046	7.548	ppbv	99
79) Naphthalene	22.19	128	3580160	10.239	ppbv	97
80) Naphthalene, 2-methyl-	24.97	142	890268	11.139	ppbv	94
81) 1,2,4-Trichlorobenzene	21.92	180	2148185	9.569	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

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ClientSampleId :

VL0927ABS01

Tgt Ion: 49 Resp: 1626455

Ion Ratio Lower Upper

49 100

128 54.5 27.9 83.6

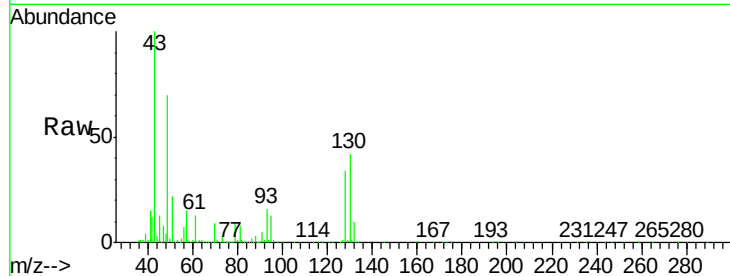
130 67.7 33.9 101.7

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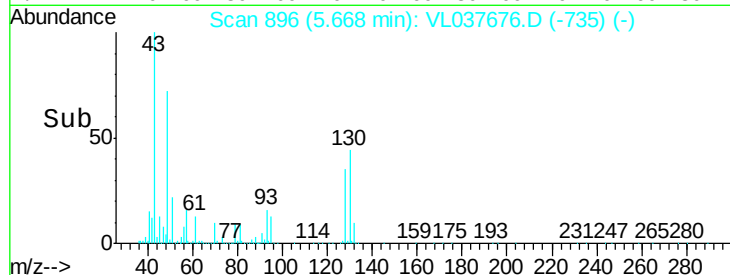


Abundance Ion 49.10 (48.80 to 49.80): VL0

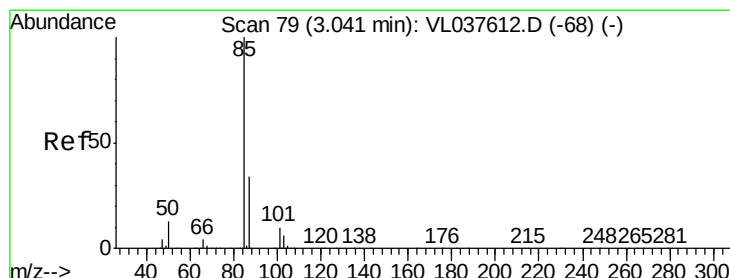
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 7.664 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037676.D

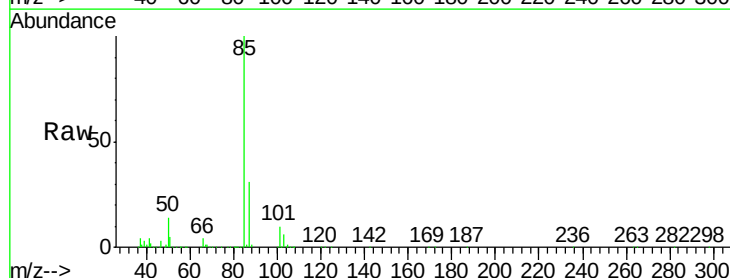
Acq: 27 Sep 2021 11:57

Tgt Ion: 85 Resp: 2255572

Ion Ratio Lower Upper

85 100

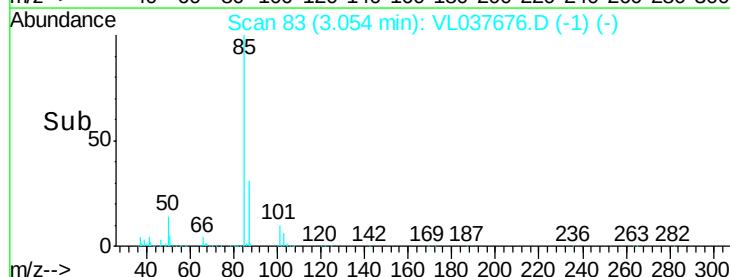
87 31.4 26.8 40.2



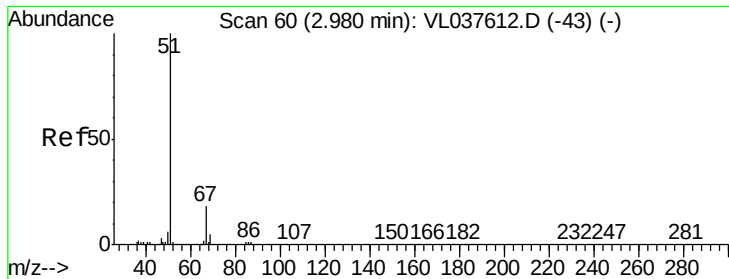
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 8.954 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Tgt Ion: 51 Resp: 2746983

Ion Ratio Lower Upper

51 100

67 17.8 14.0 21.0

Instrument :

MSVOA_L

ClientSampleId :

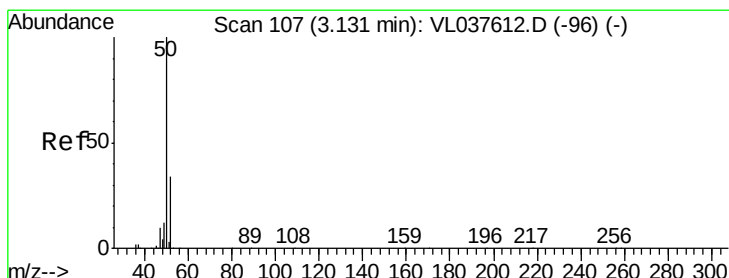
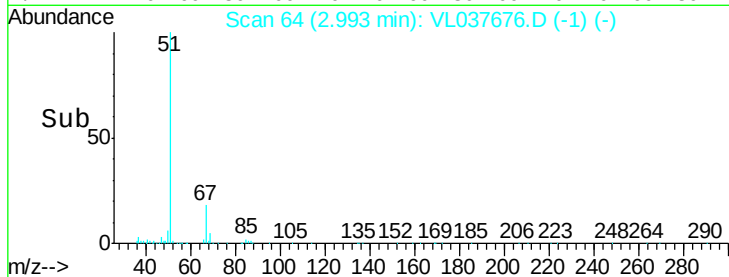
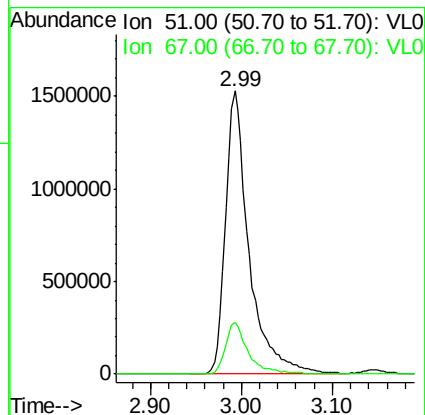
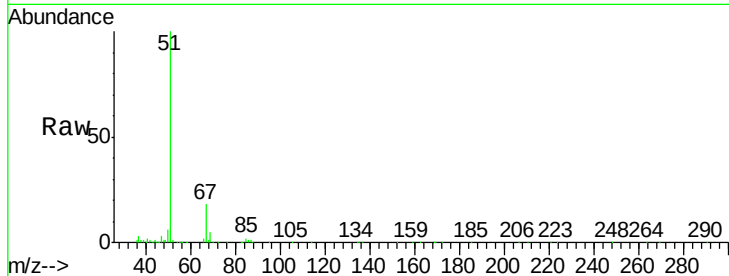
VL0927ABS01

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10/1/2021 11:04:48 AM



#4

Chloromethane

Concen: 9.217 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL037676.D

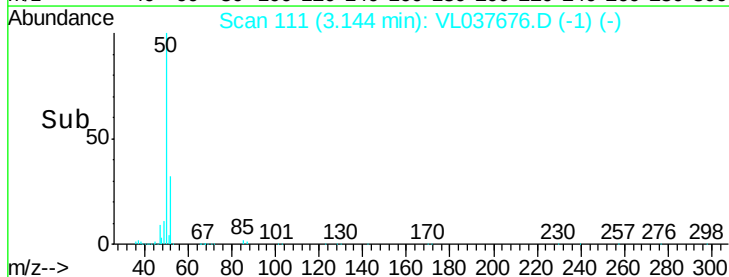
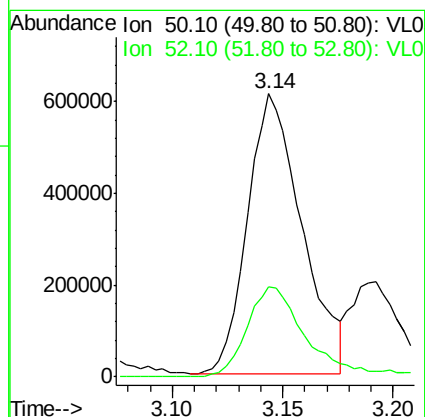
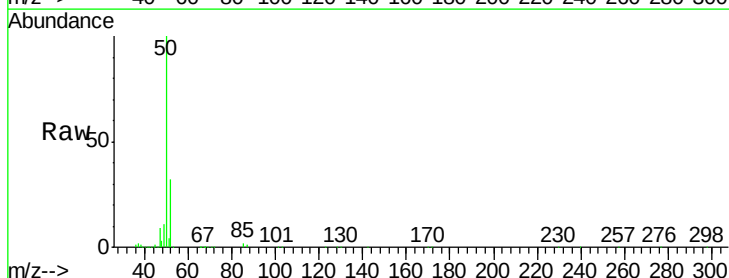
Acq: 27 Sep 2021 11:57

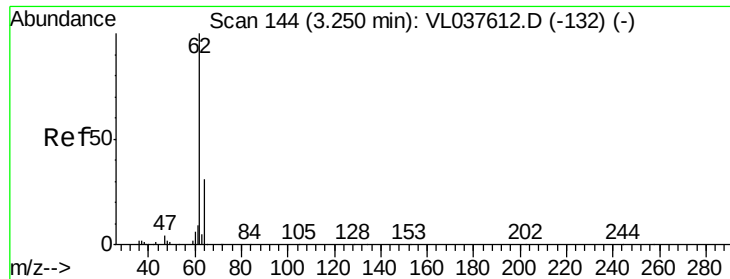
Tgt Ion: 50 Resp: 1044726

Ion Ratio Lower Upper

50 100

52 32.1 27.1 40.7





#5

Vinyl Chloride

Concen: 9.924 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 62 Resp: 1056548

Ion Ratio Lower Upper

62 100

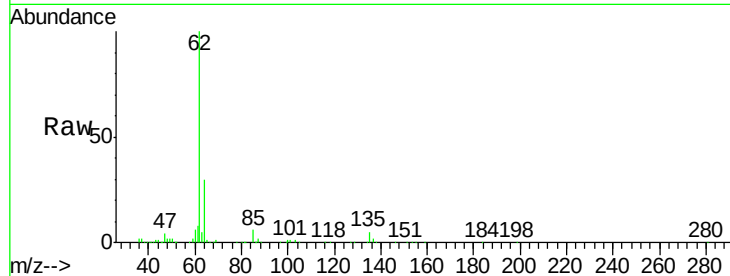
64 30.2 24.9 37.3

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10/1/2021 11:04:48 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

600000

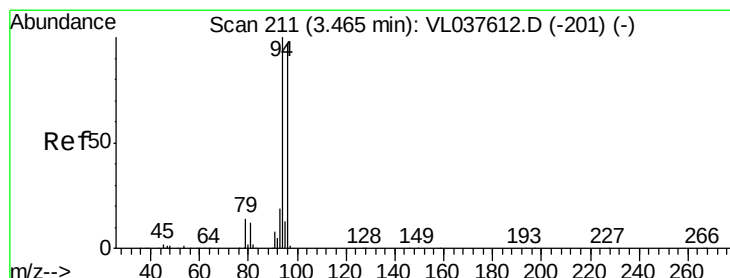
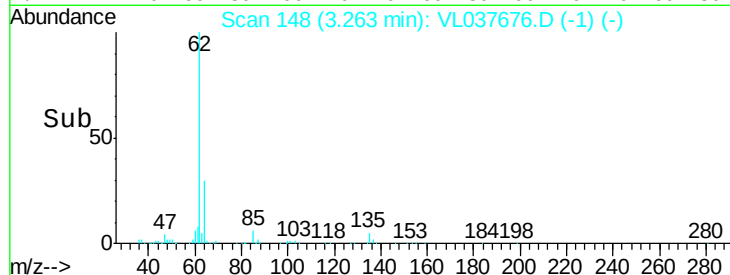
400000

200000

0

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 8.703 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL037676.D

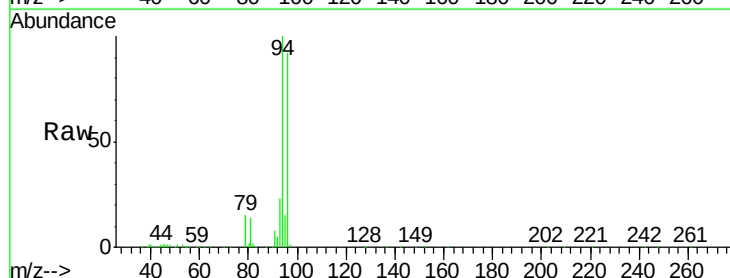
Acq: 27 Sep 2021 11:57

Tgt Ion: 94 Resp: 538524

Ion Ratio Lower Upper

94 100

96 91.5 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

300000

250000

200000

150000

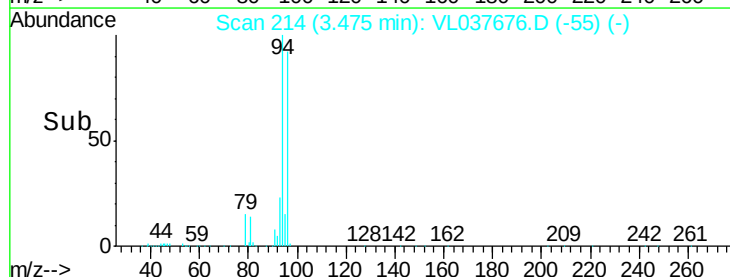
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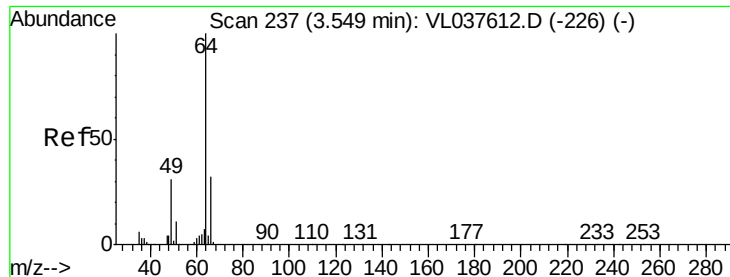
50000

0

3.40 3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 8.694 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 64 Resp: 345920

Ion Ratio Lower Upper

64 100

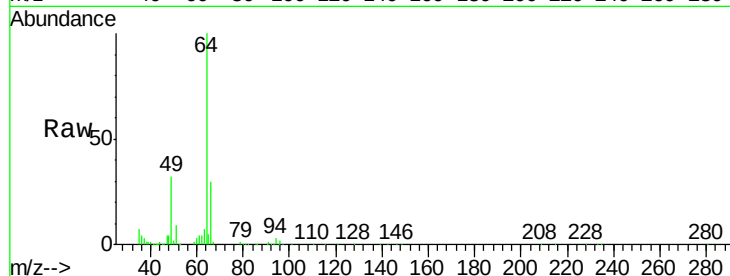
66 30.5 25.3 37.9

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10/1/2021 11:04:48 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

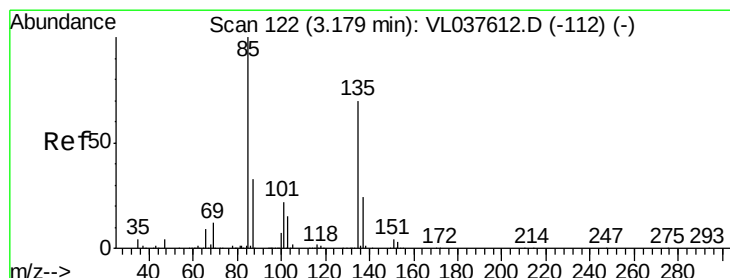
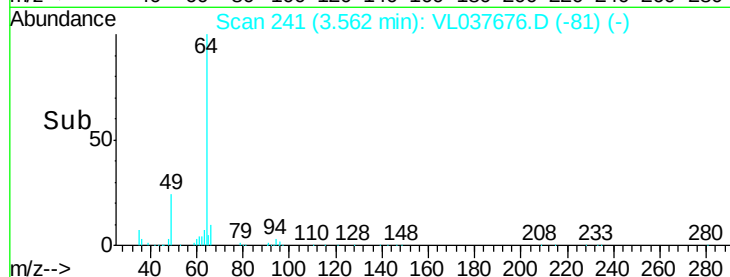
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.280 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL037676.D

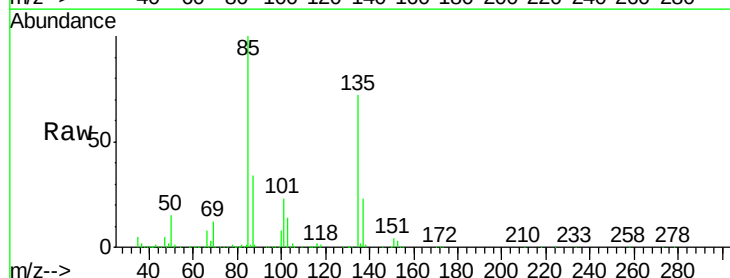
Acq: 27 Sep 2021 11:57

Tgt Ion: 85 Resp: 2356110

Ion Ratio Lower Upper

85 100

135 74.9 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

3.19

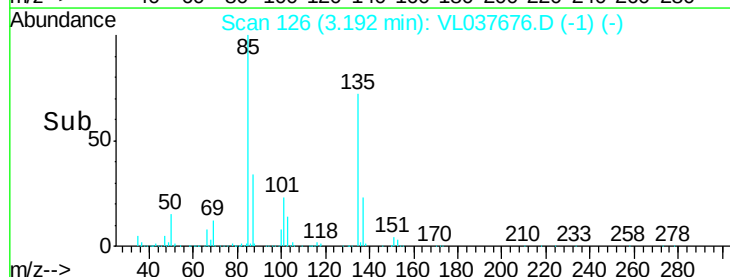
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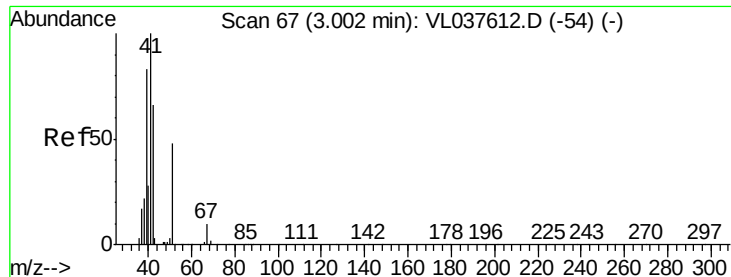
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Time-->





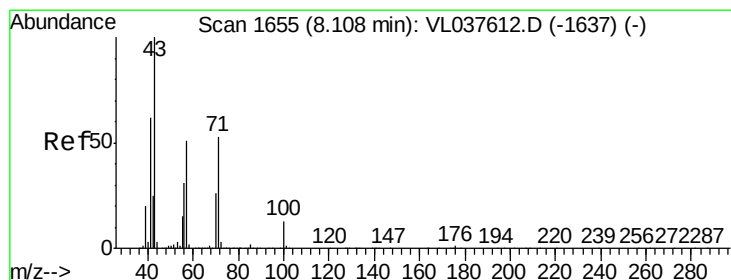
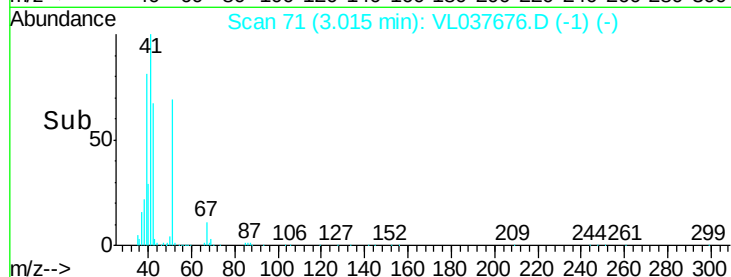
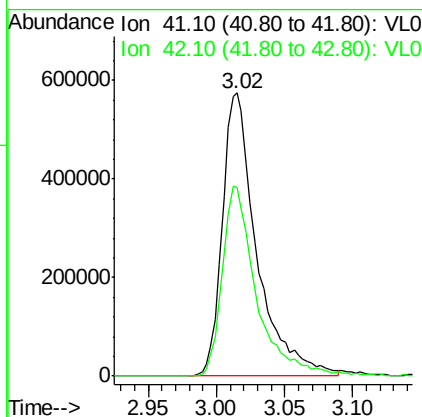
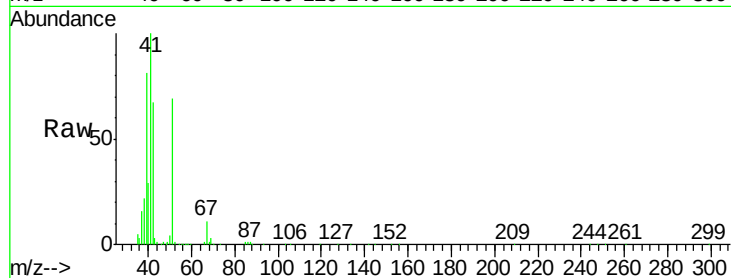
#9
 Propene
 Concen: 9.330 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 41 Resp: 1009659
 Ion Ratio Lower Upper
 41 100
 42 66.8 57.2 85.8

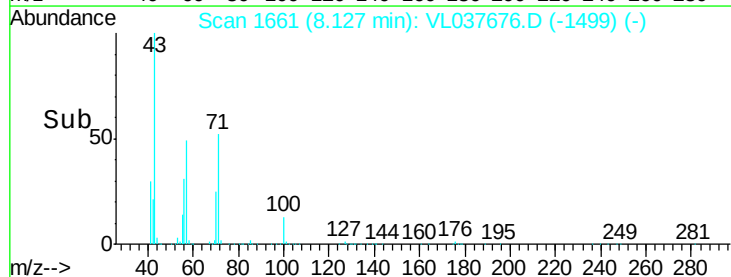
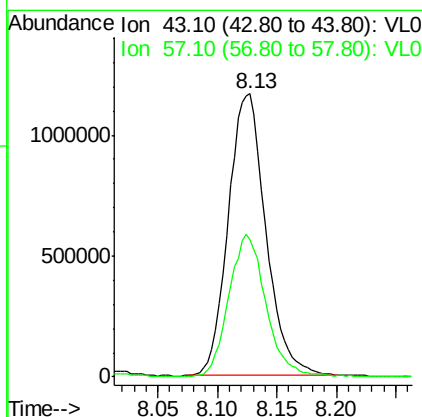
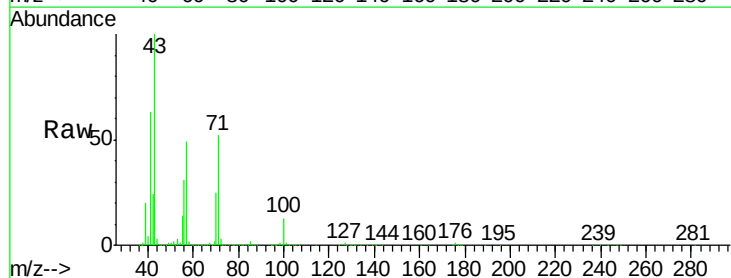
Manual Integrations
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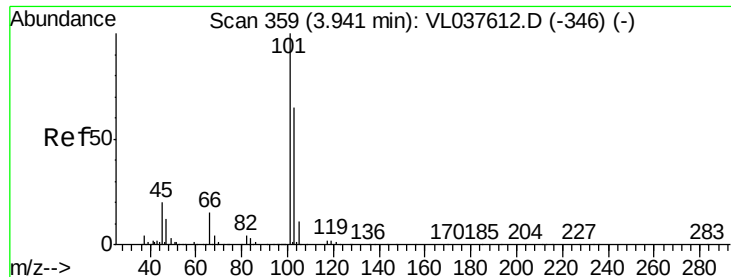
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 10/1/2021 11:04:48 AM



#10
 Heptane
 Concen: 10.121 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Tgt Ion: 43 Resp: 2555763
 Ion Ratio Lower Upper
 43 100
 57 50.0 40.1 60.1





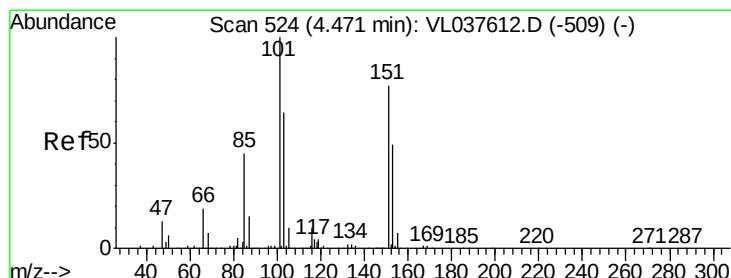
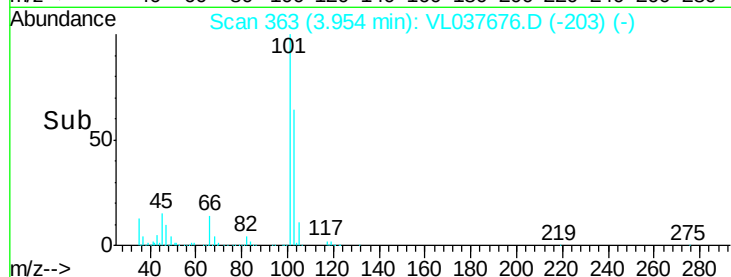
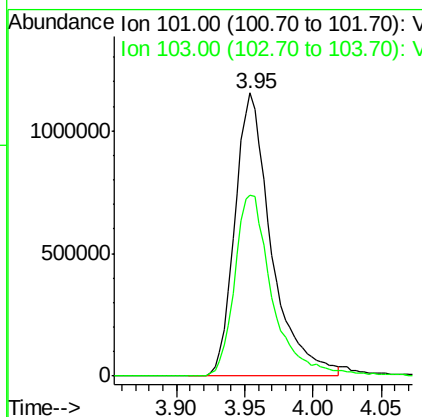
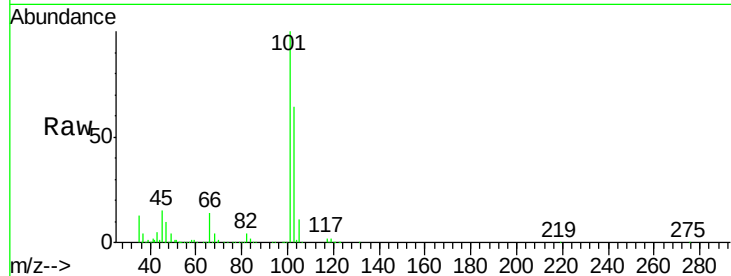
#11
 Trichlorofluoromethane
 Concen: 9.076 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion:101 Resp: 2144502
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.9 77.9

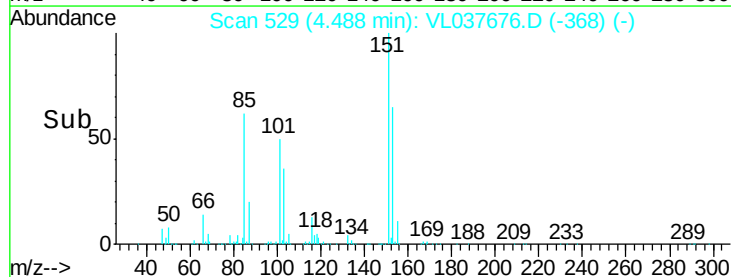
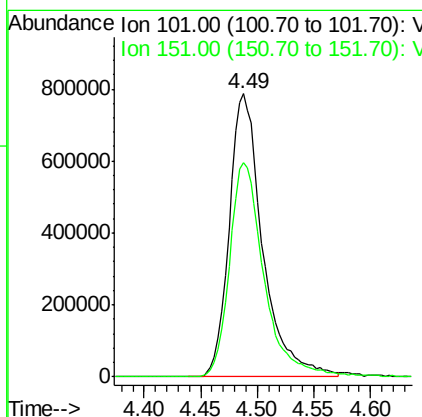
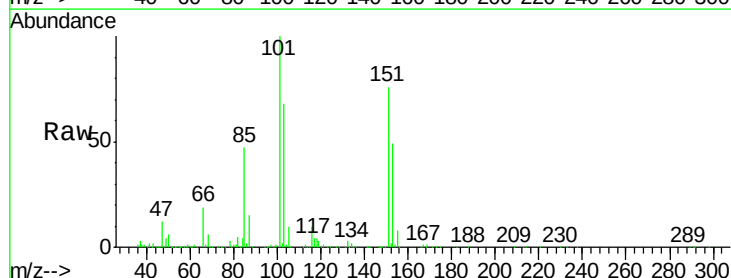
Manual Integrations
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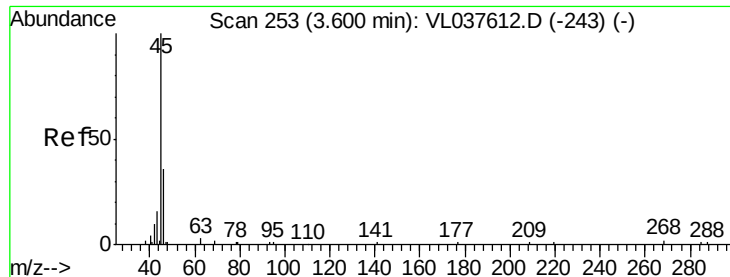
MMDadoda
 10/1/2021 11:04:48 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.302 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Tgt Ion:101 Resp: 1622346
 Ion Ratio Lower Upper
 101 100
 151 78.3 63.5 95.3





#13

Ethanol

Concen: 9.543 ppbv m

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 45 Resp: 101015

Ion Ratio Lower Upper

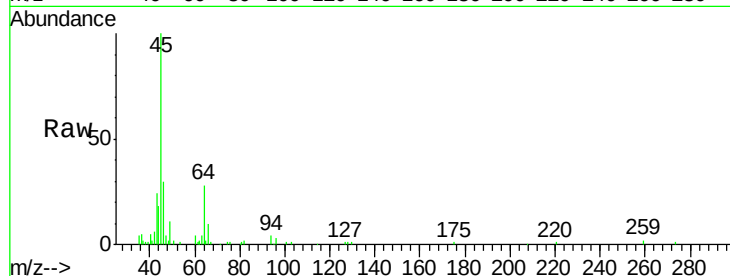
45 100

46 40.3 17.2 68.8

Manual Integrations
APPROVED

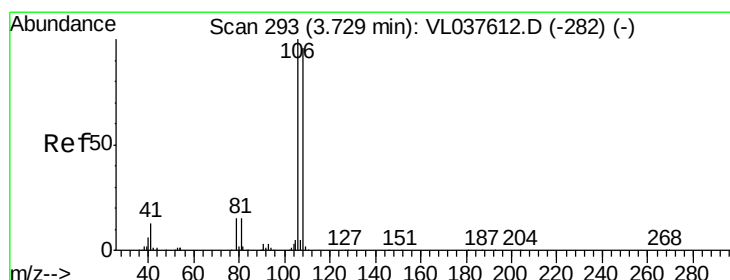
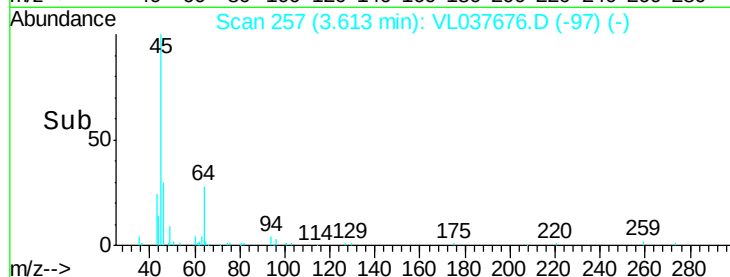
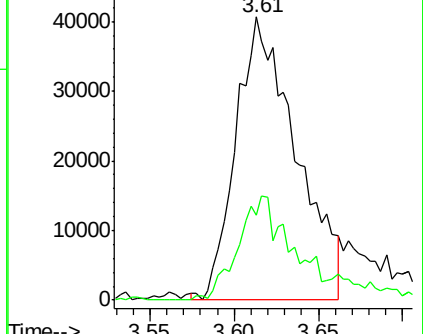
MMDadoda

10/1/2021 11:04:48 AM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.044 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.01 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

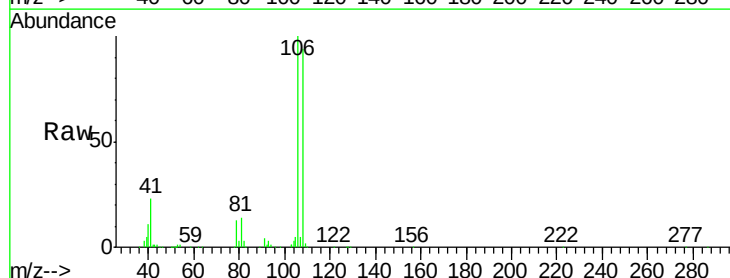
Tgt Ion: 108 Resp: 717996

Ion Ratio Lower Upper

108 100

106 112.8 88.2 132.4

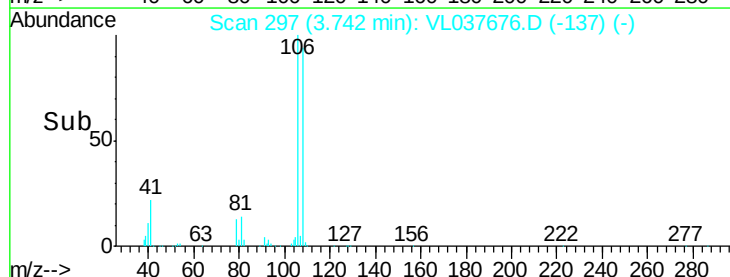
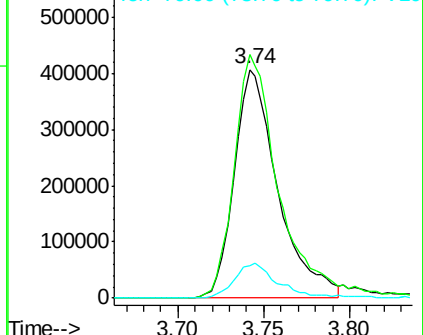
79 16.4 12.8 19.2

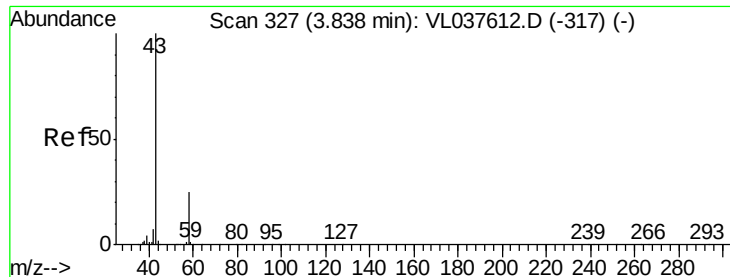


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





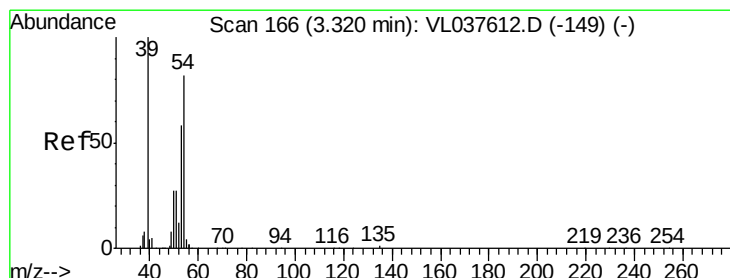
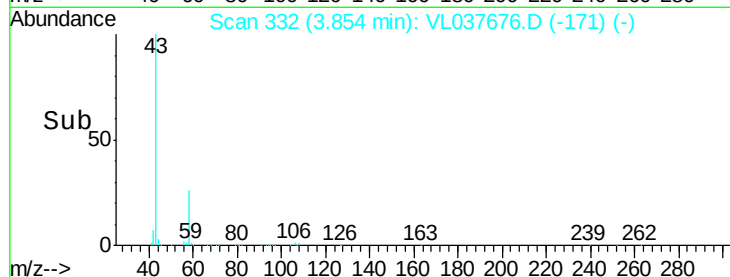
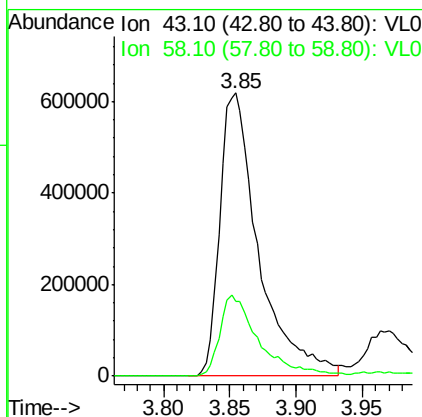
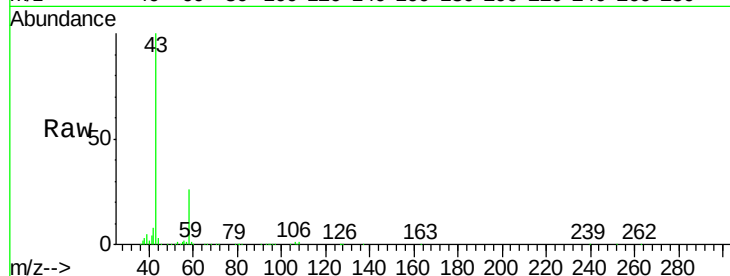
#15
Acetone
Concen: 7.431 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 43 Resp: 1255800
Ion Ratio Lower Upper
43 100
58 28.9 24.9 37.3

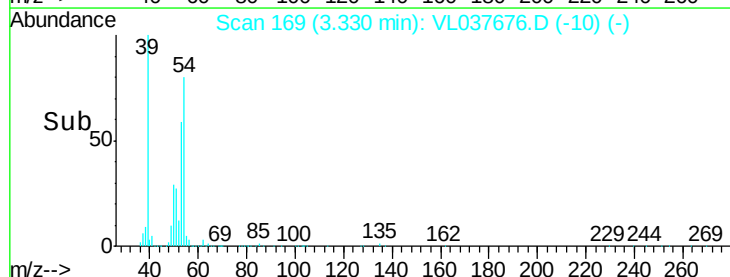
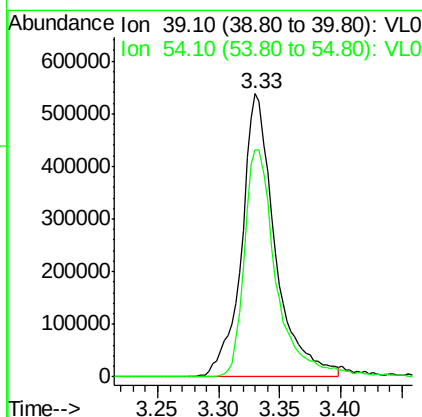
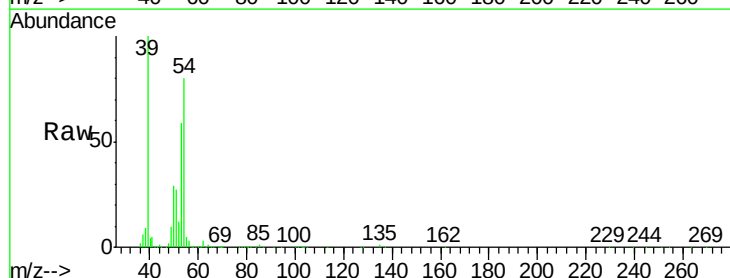
Manual Integrations
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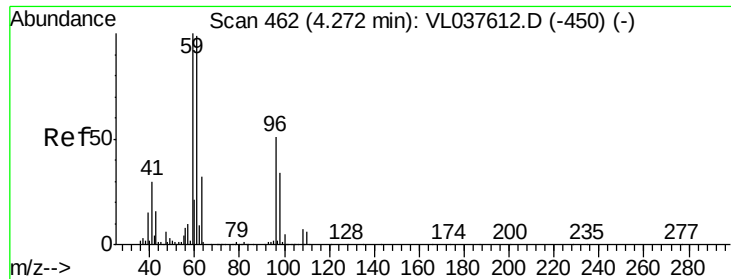
MMDadoda
10/1/2021 11:04:48 AM



#16
1,3-Butadiene
Concen: 9.608 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion: 39 Resp: 1014563
Ion Ratio Lower Upper
39 100
54 77.6 62.6 93.8





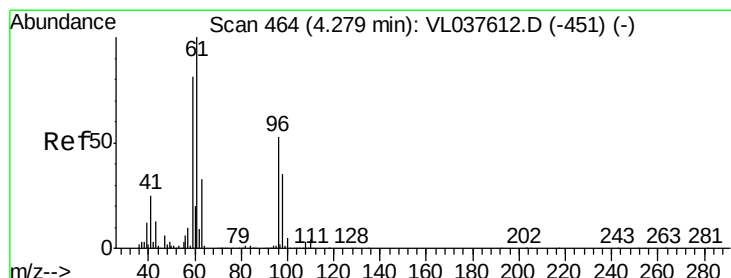
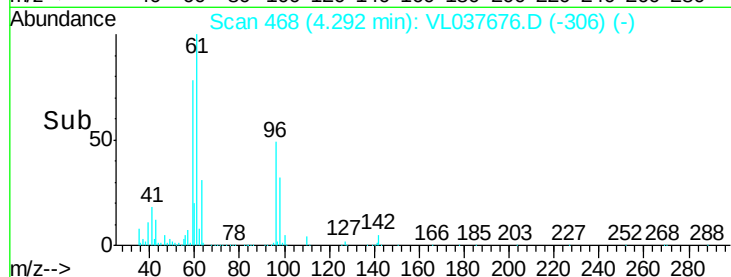
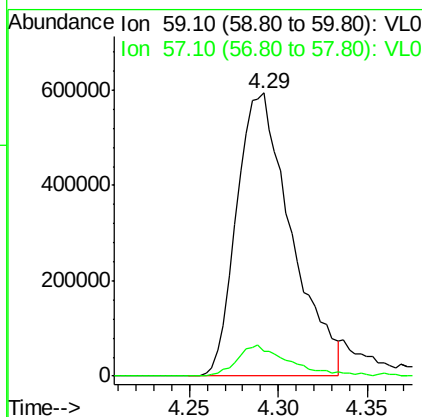
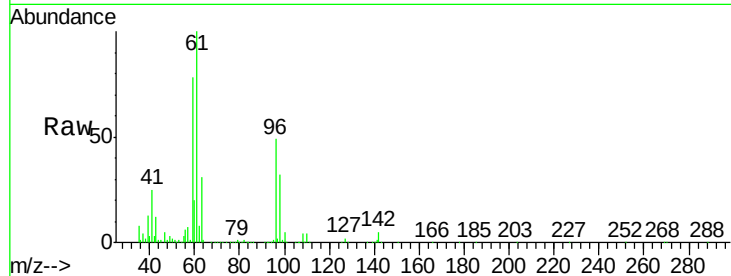
#17
 tert-Butyl alcohol
 Concen: 8.859 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 59 Resp: 1269444
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6

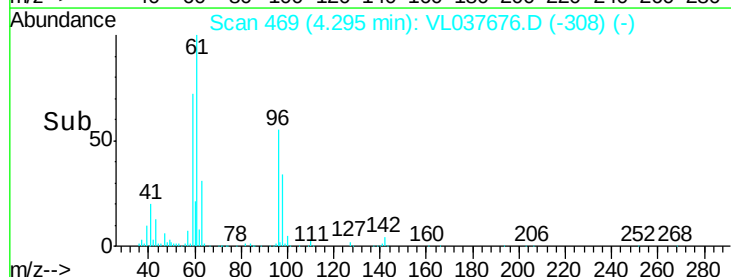
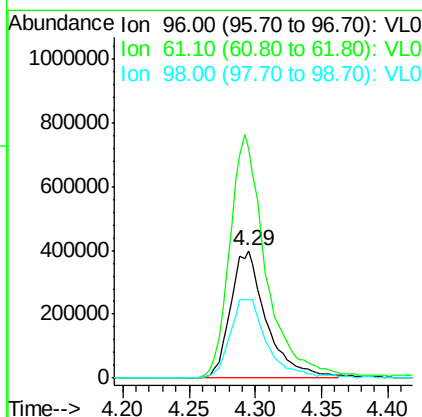
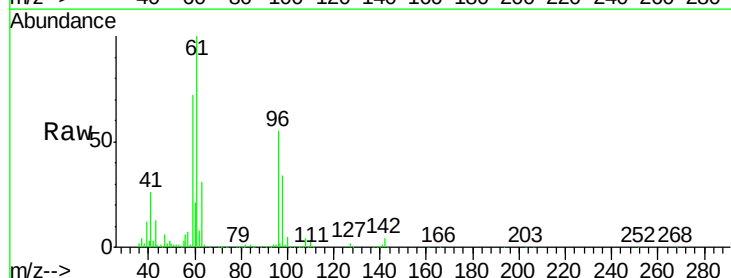
Manual Integrations
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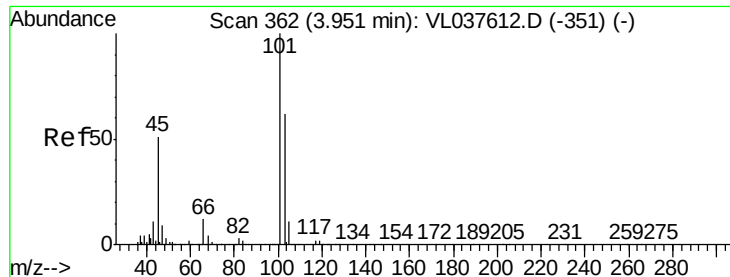
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 9.250 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Tgt Ion: 96 Resp: 751533
 Ion Ratio Lower Upper
 96 100
 61 180.7 150.4 225.6
 98 62.1 52.1 78.1





#19

Isopropyl Alcohol

Concen: 8.833 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 45 Resp: 812161

Ion Ratio Lower Upper

45 100

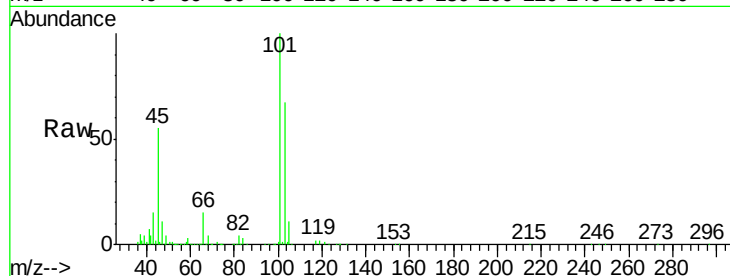
58 3.3 2.9 4.3

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

400000

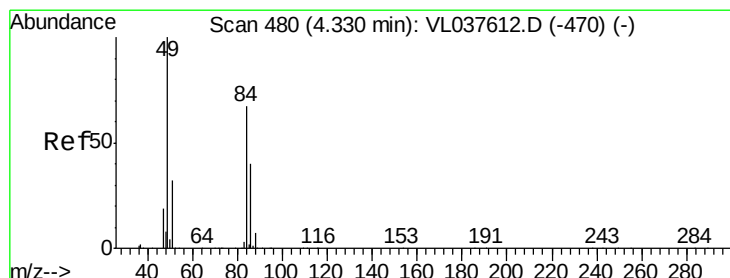
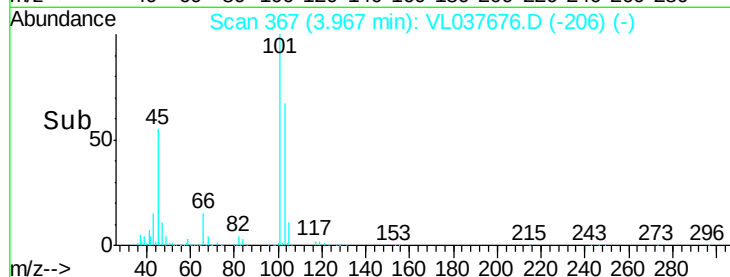
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.032 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Tgt Ion: 84 Resp: 648014

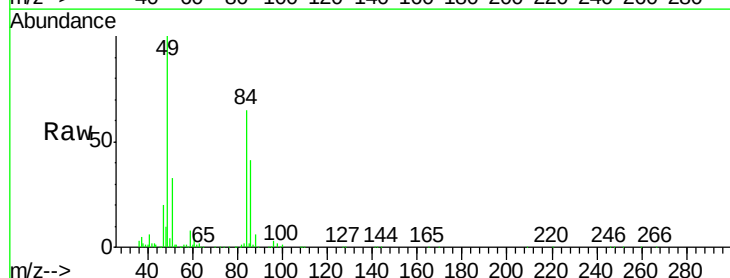
Ion Ratio Lower Upper

84 100

49 151.6 120.0 180.0

51 49.3 38.0 57.0

86 63.5 48.2 72.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

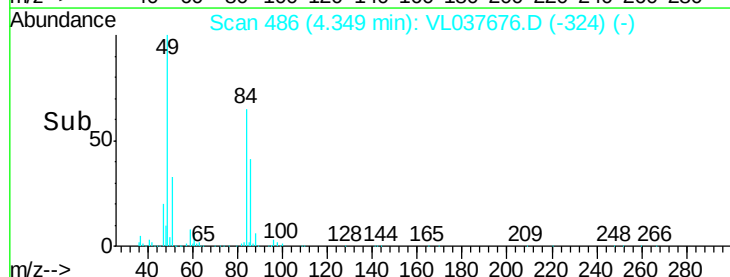
600000

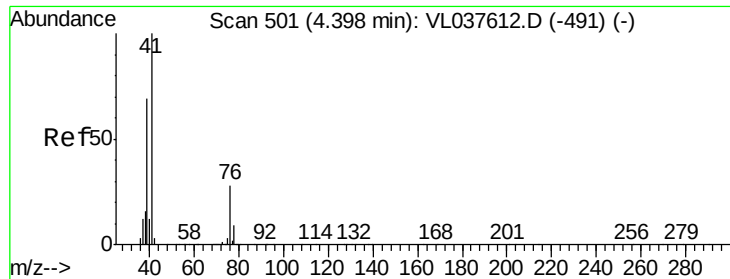
400000

200000

0

Time-->





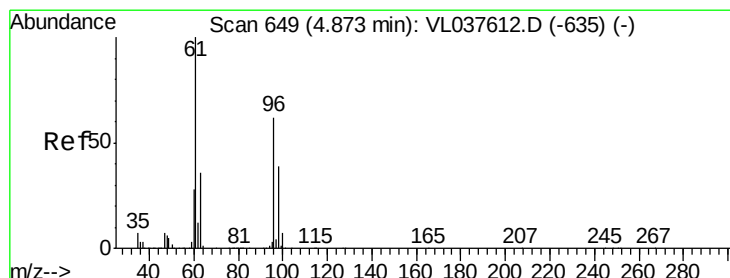
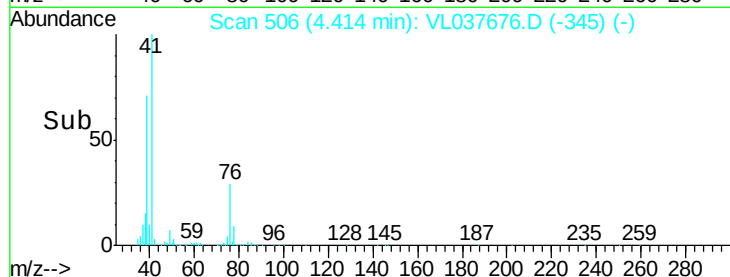
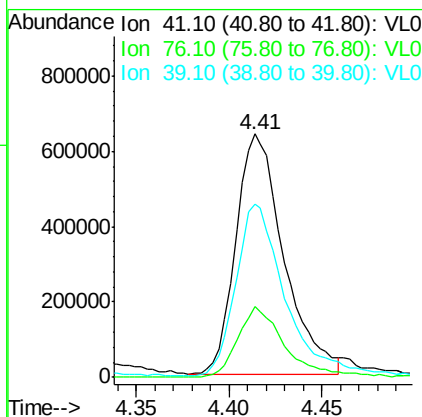
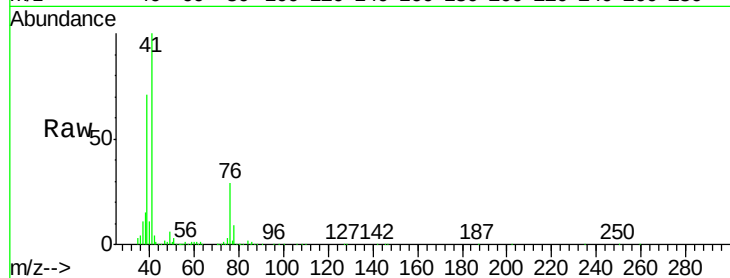
#21
 Allyl Chloride
 Concen: 9.049 ppbv
 RT: 4.41 min Scan# 506
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 41 Resp: 1142376
 Ion Ratio Lower Upper
 41 100
 76 29.2 23.1 34.7
 39 74.9 61.0 91.6

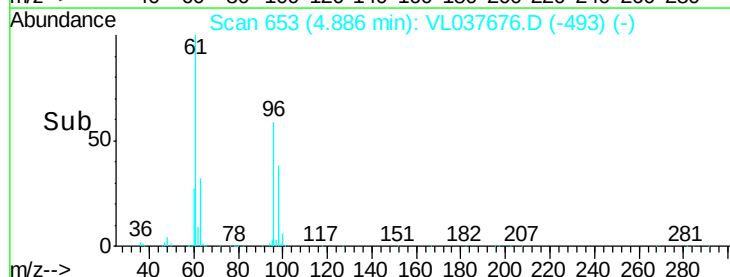
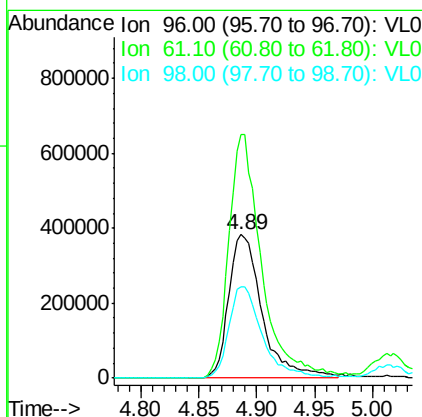
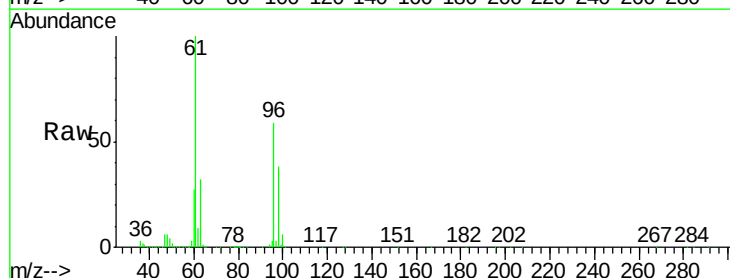
Manual Integrations
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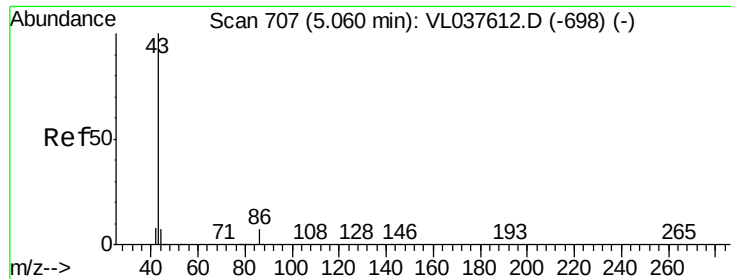
MMDadoda
 10/1/2021 11:04:48 AM



#22
 trans-1,2-Dichloroethene
 Concen: 9.391 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. 0.01 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Tgt Ion: 96 Resp: 767705
 Ion Ratio Lower Upper
 96 100
 61 169.6 129.2 193.8
 98 64.0 50.4 75.6





#23

Vinyl Acetate

Concen: 9.733 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 43 Resp: 2275978

Ion Ratio Lower Upper

43 100

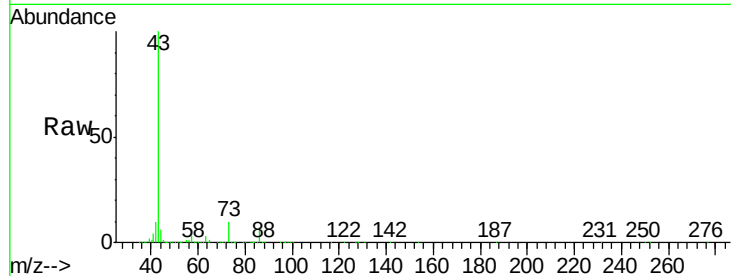
86 6.6 5.0 7.6

42 9.4 7.5 11.3

44 5.9 4.7 7.1

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MMDadoda
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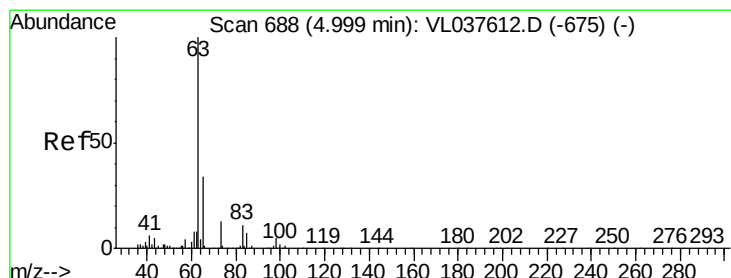
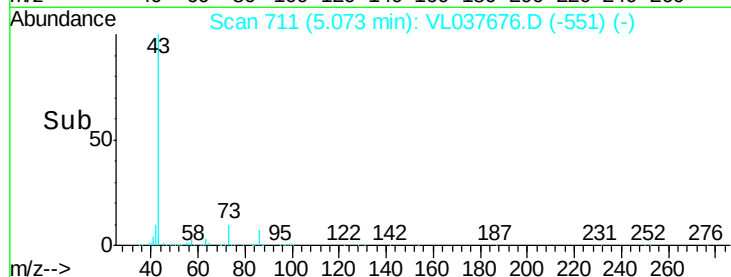
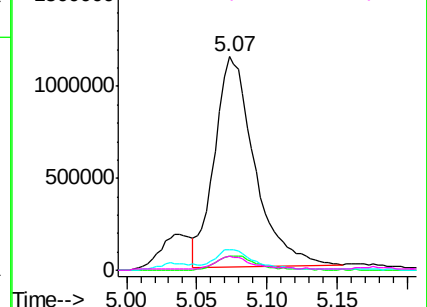


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.158 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

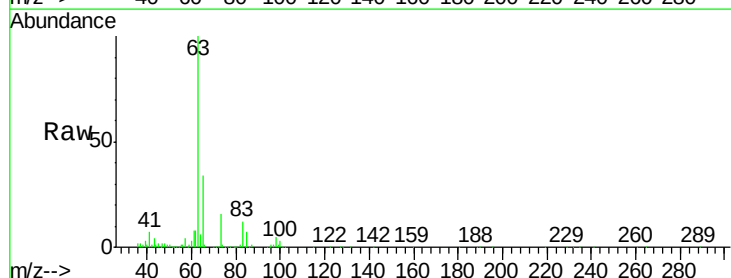
Tgt Ion: 63 Resp: 1534138

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.2

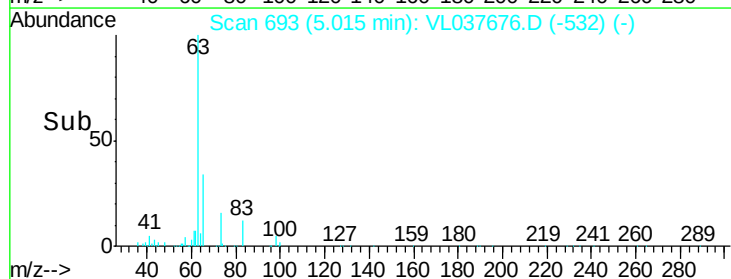
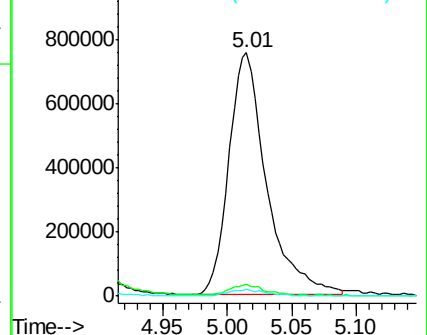
100 2.6 1.1 3.5

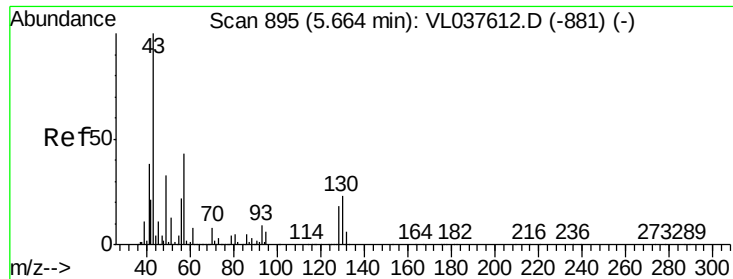


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





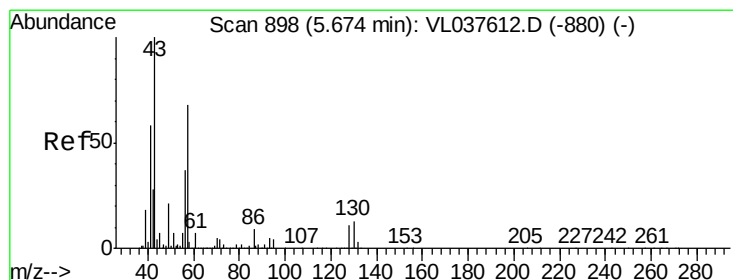
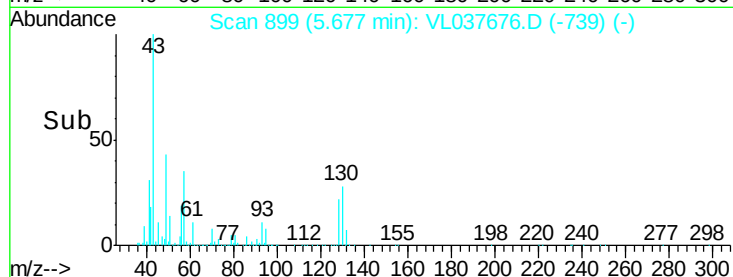
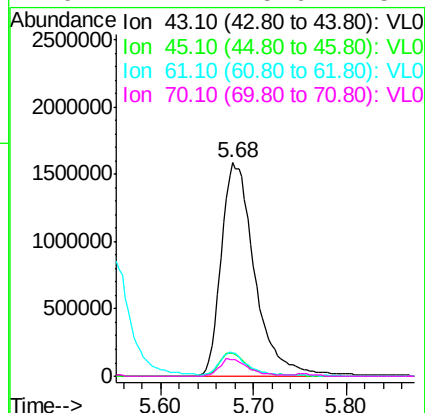
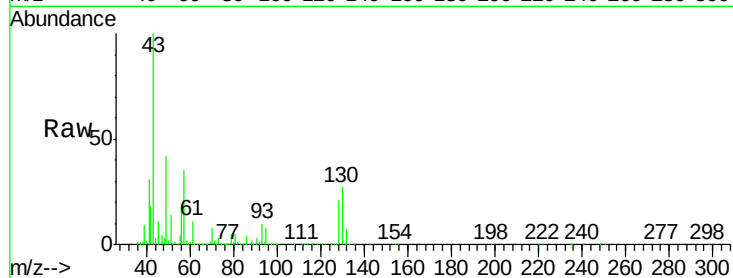
#25
Ethyl Acetate
Concen: 9.642 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.8	7.5	11.3
70	7.1	5.6	8.4

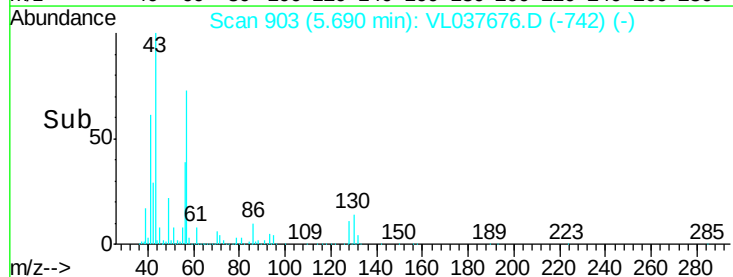
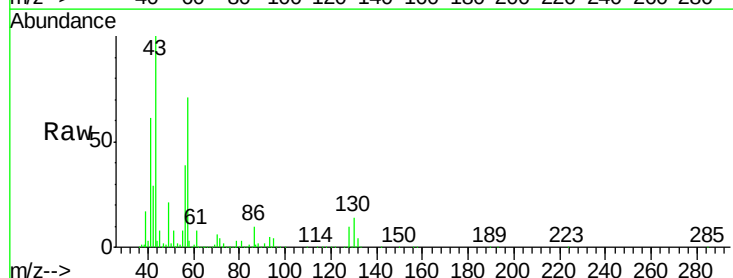
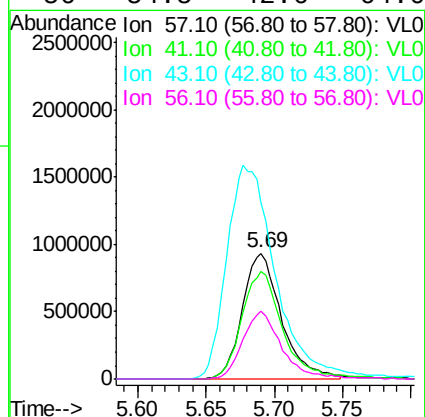
Manual Integrations
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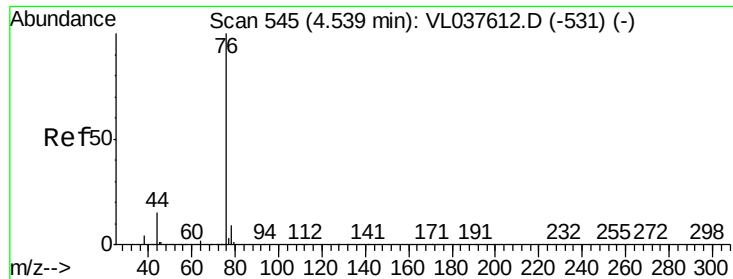
MMDadoda
10/1/2021 11:04:48 AM



#26
Hexane
Concen: 9.565 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.7	70.9	106.3
43	213.8	170.4	255.6
56	54.5	42.6	64.0





#27

Carbon Disulfide

Concen: 10.090 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 76 Resp: 1794595

Ion Ratio Lower Upper

76 100

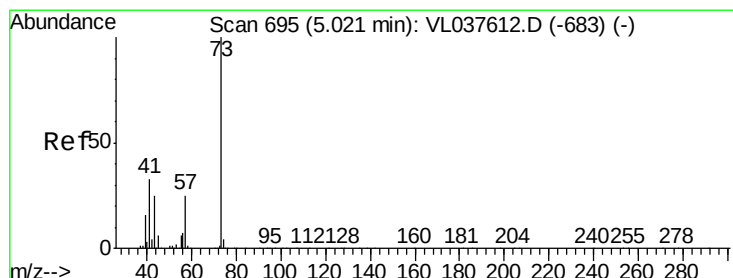
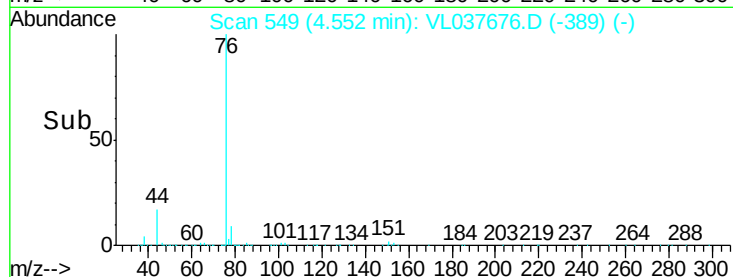
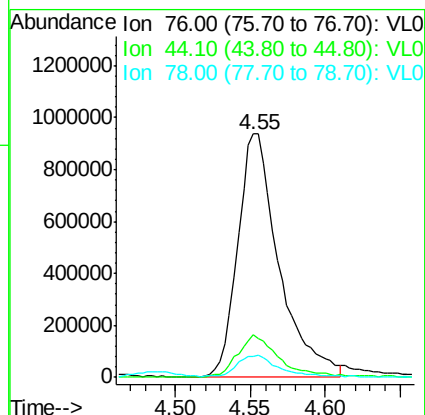
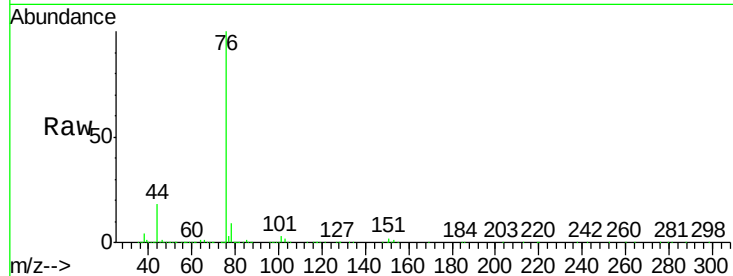
44 16.9 14.2 21.2

78 9.6 7.4 11.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.740 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.01 min

Lab File: VL037676.D

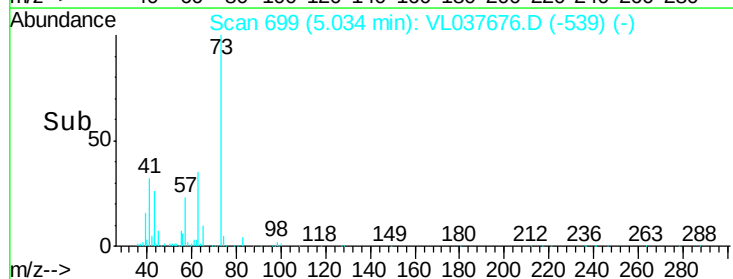
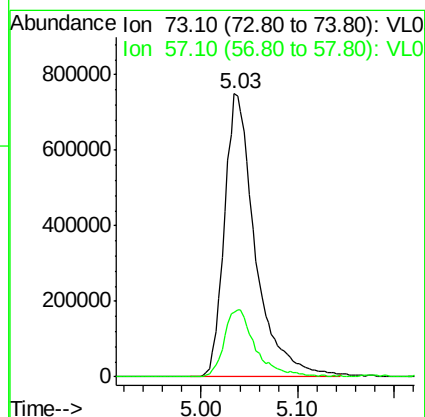
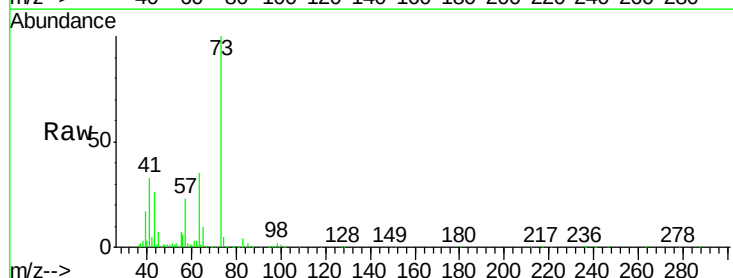
Acq: 27 Sep 2021 11:57

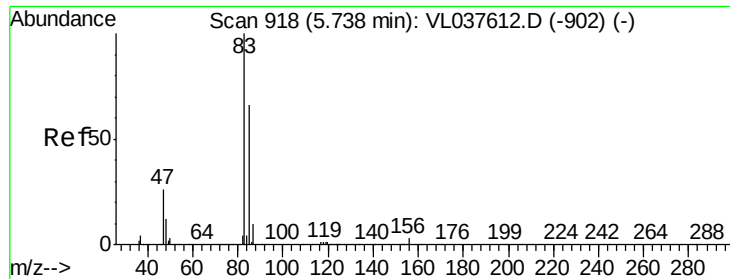
Tgt Ion: 73 Resp: 1667903

Ion Ratio Lower Upper

73 100

57 24.3 20.1 30.1





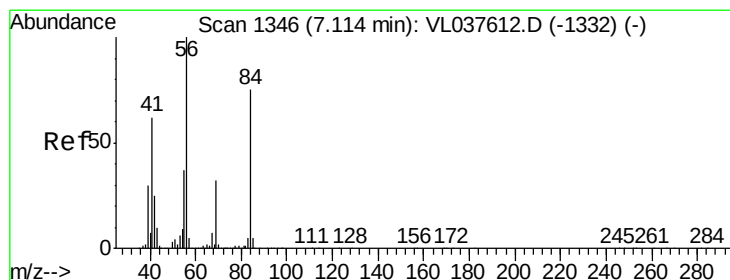
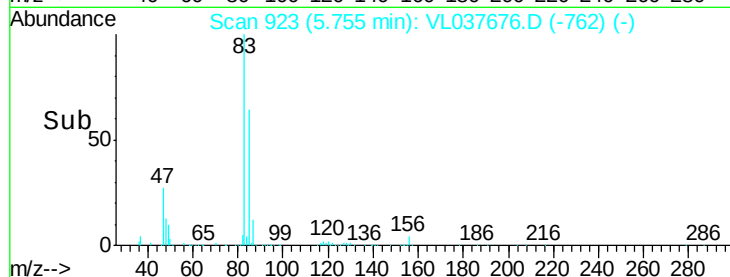
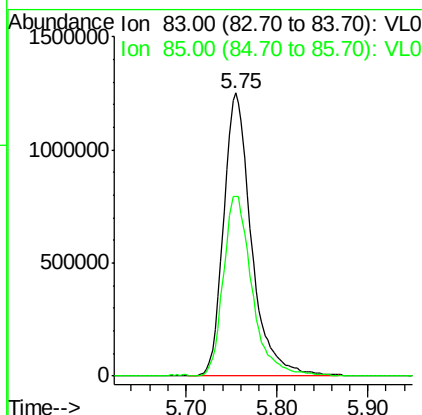
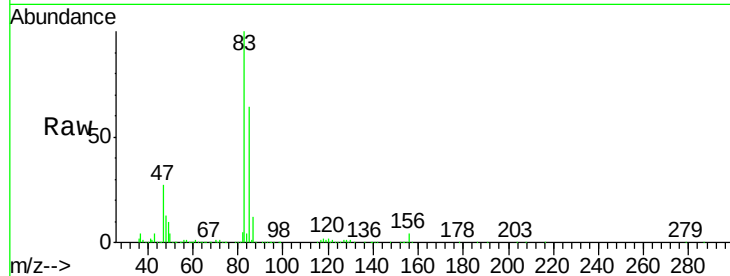
#29
Chloroform
Concen: 9.384 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 83 Resp: 2664075
Ion Ratio Lower Upper
83 100
85 63.3 52.6 79.0

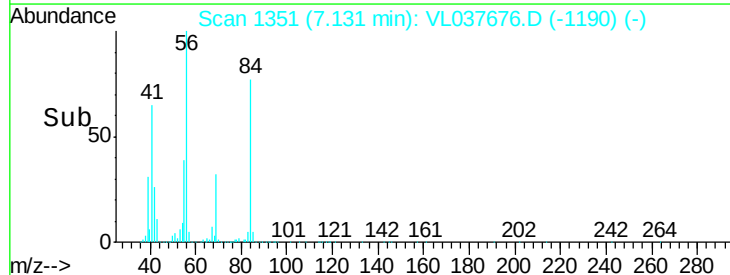
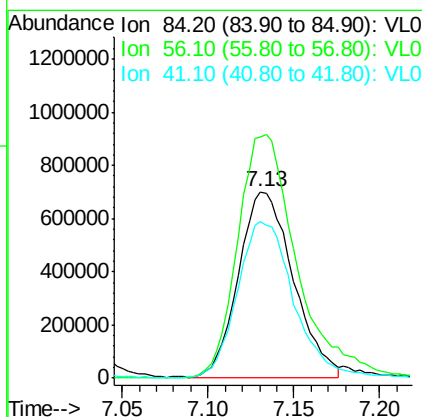
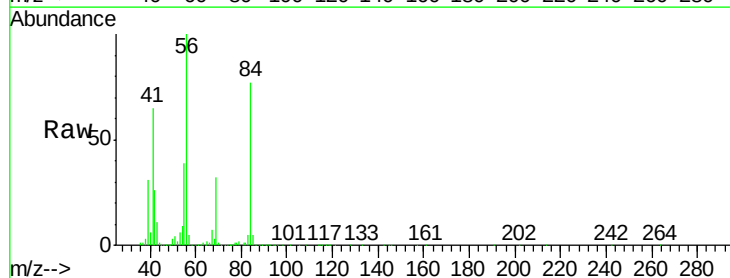
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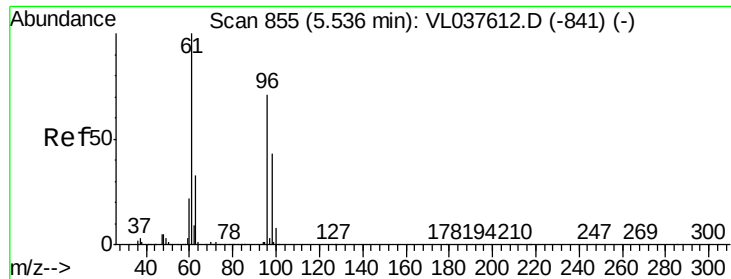
MMDadoda
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#30
Cyclohexane
Concen: 9.365 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion: 84 Resp: 1557151
Ion Ratio Lower Upper
84 100
56 142.3 113.6 170.4
41 87.5 67.9 101.9





#31

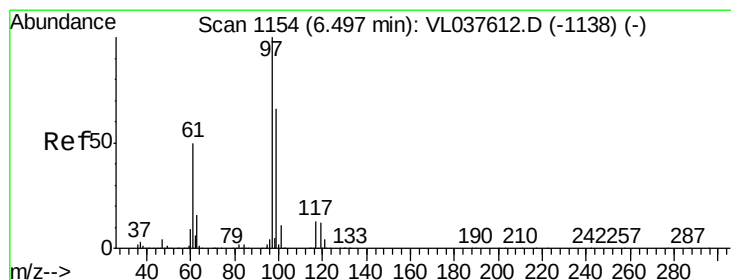
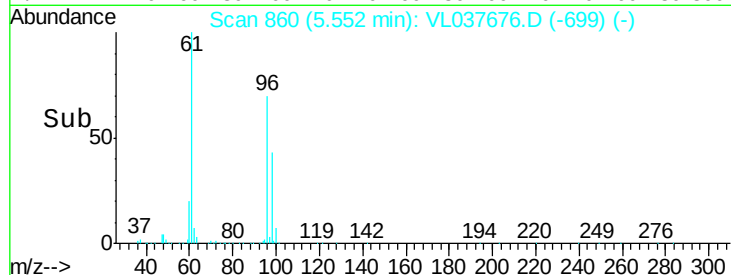
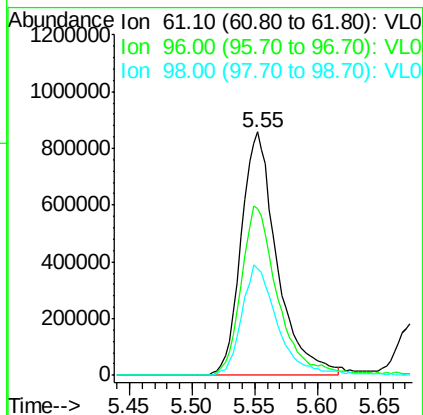
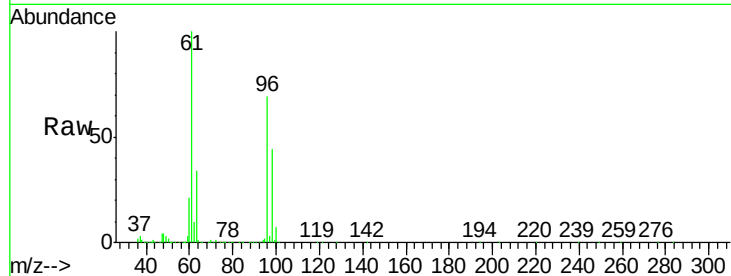
cis-1,2-Dichloroethene
Concen: 9.642 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	68.5	56.7	85.1
98	43.7	34.6	52.0

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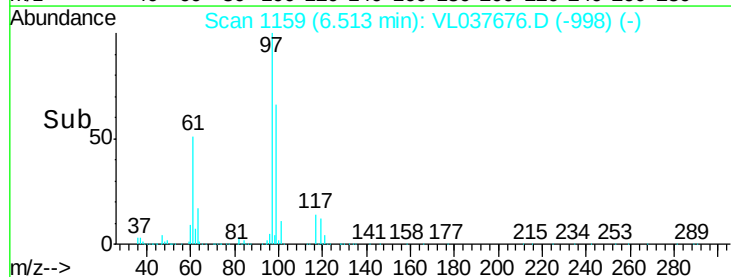
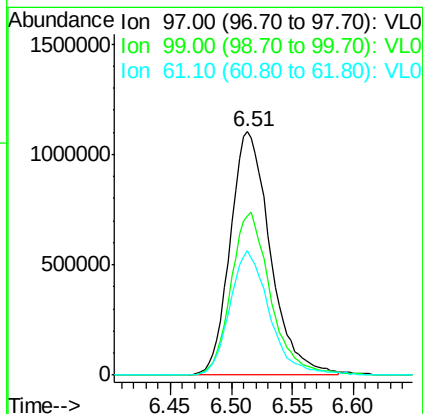
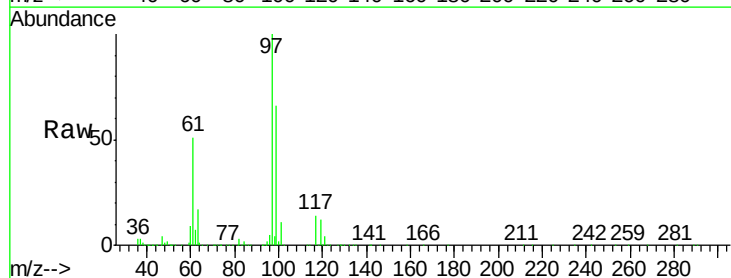
MMDadoda
10/1/2021 11:04:48 AM

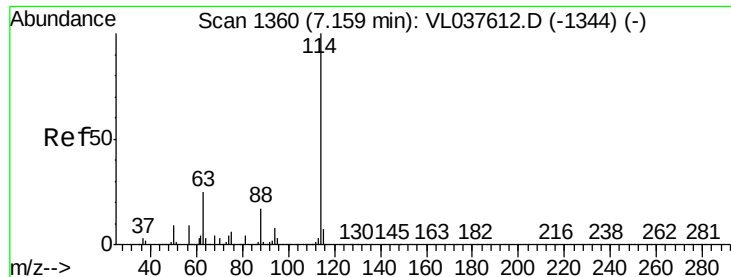


#32

1,1,1-Trichloroethane
Concen: 9.492 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.3	78.5
61	50.9	39.5	59.3





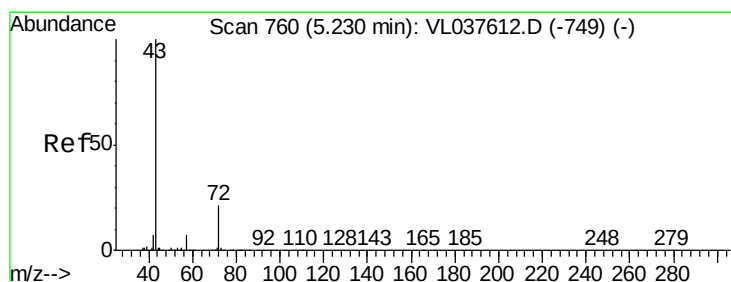
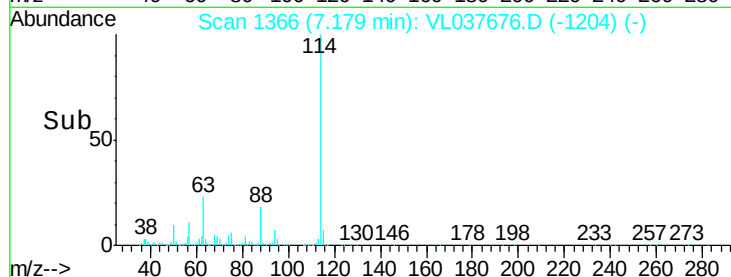
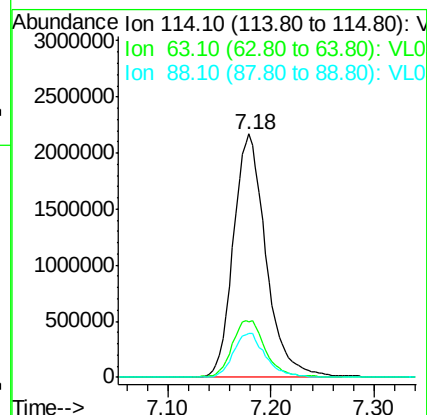
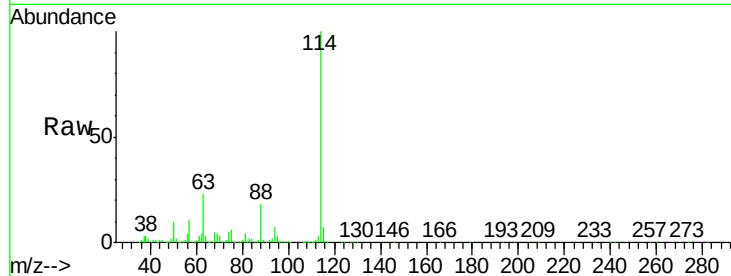
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0927ABS01

Tgt Ion: 114 Resp: 4771318
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.6 29.4
 88 18.0 14.2 21.4

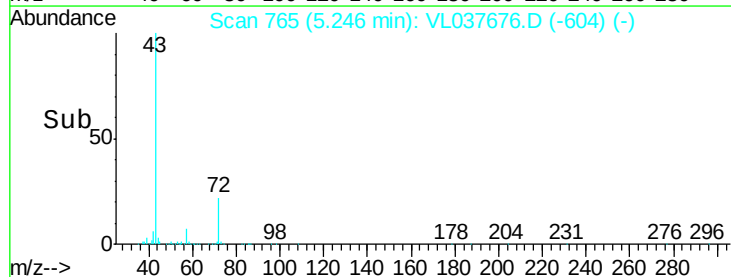
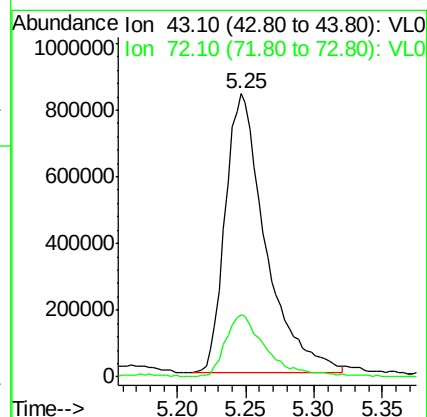
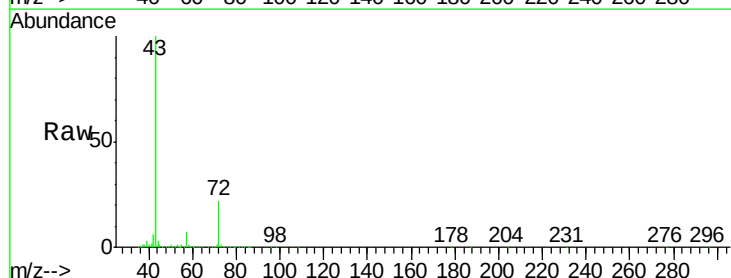
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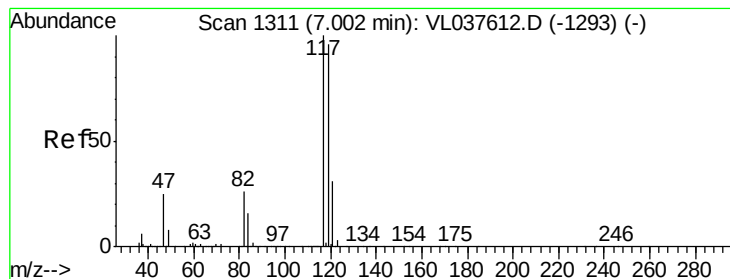
MMDadoda
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#34
 2-Butanone
 Concen: 8.828 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Tgt Ion: 43 Resp: 1711706
 Ion Ratio Lower Upper
 43 100
 72 23.5 18.4 27.6





#35

Carbon Tetrachloride

Concen: 9.756 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 117 Resp: 2633260

Ion Ratio Lower Upper

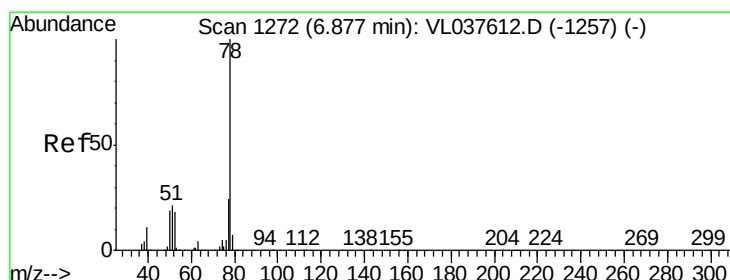
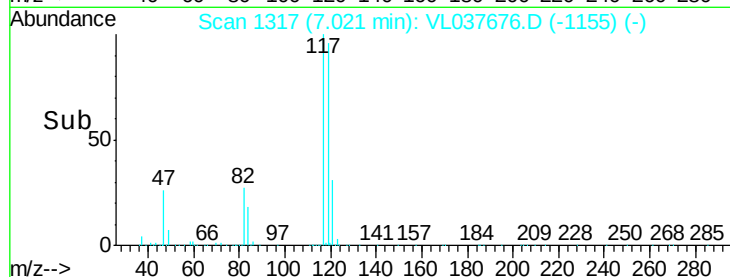
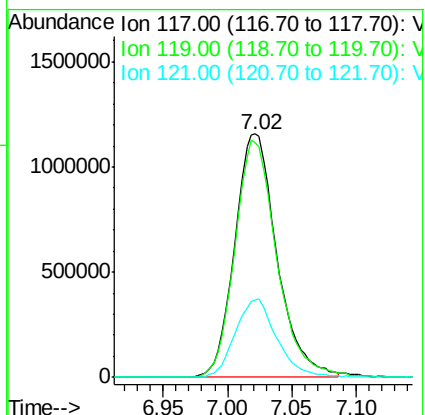
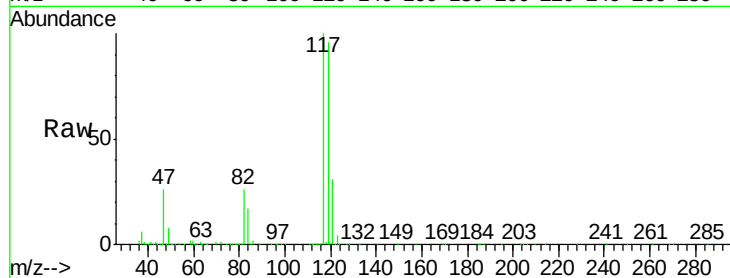
117 100

119 96.5 77.0 115.6

121 31.4 24.5 36.7

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#36

Benzene

Concen: 9.707 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

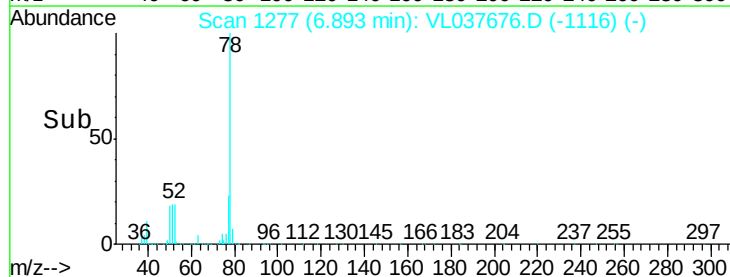
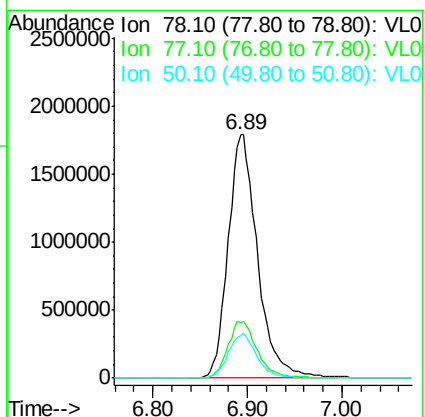
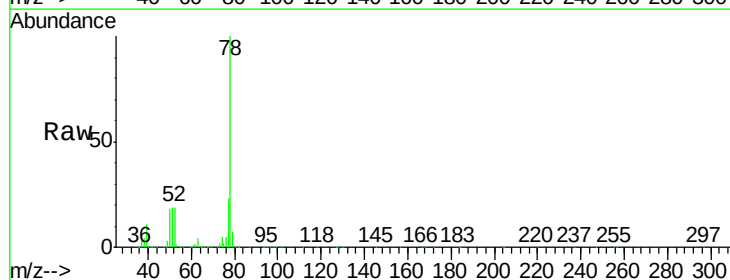
Tgt Ion: 78 Resp: 3861955

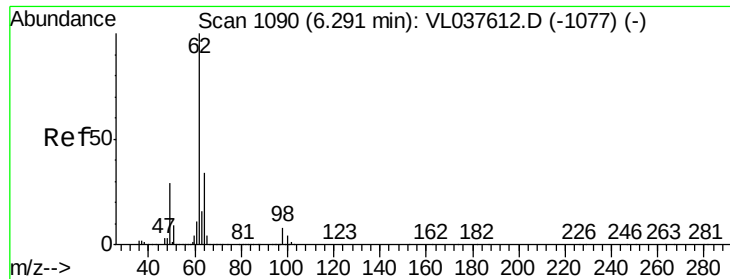
Ion Ratio Lower Upper

78 100

77 22.6 19.0 28.4

50 17.7 14.8 22.2





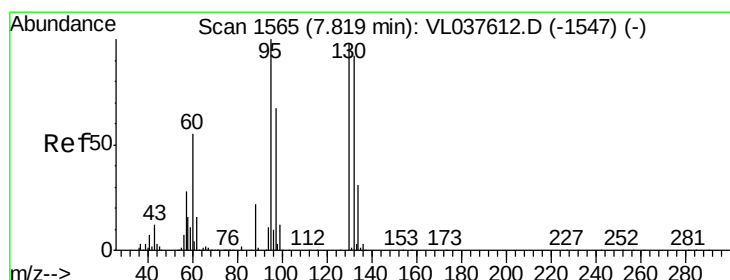
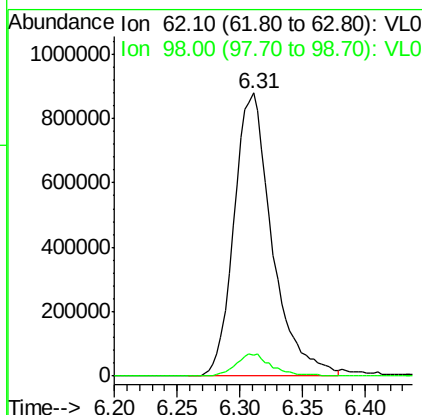
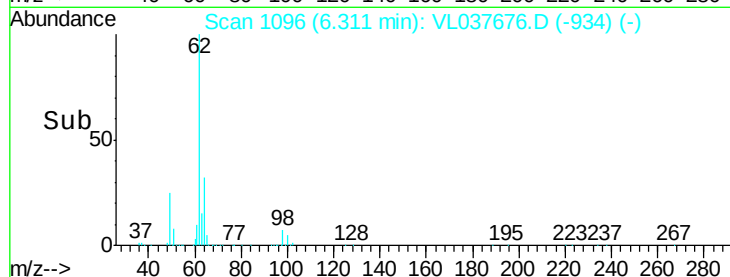
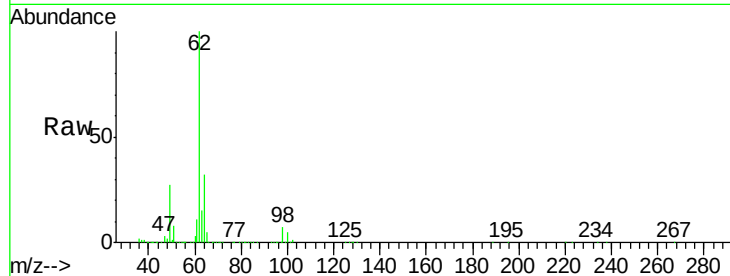
#37
 1,2-Dichloroethane
 Concen: 9.484 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 62 Resp: 1855788
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.1 9.1

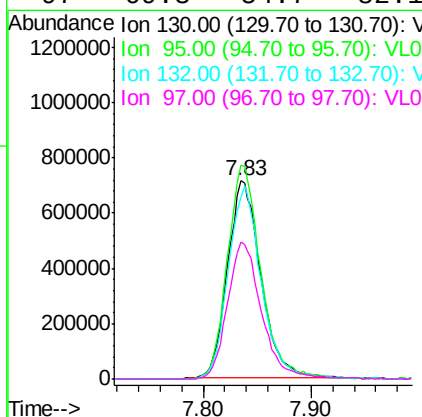
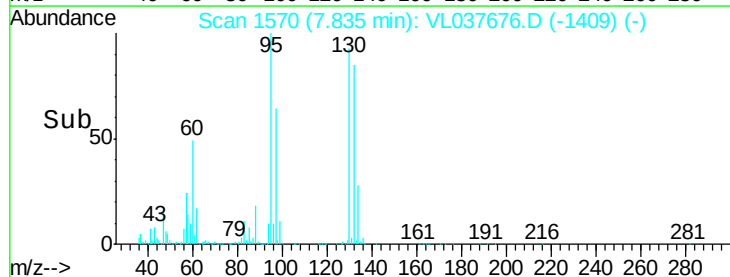
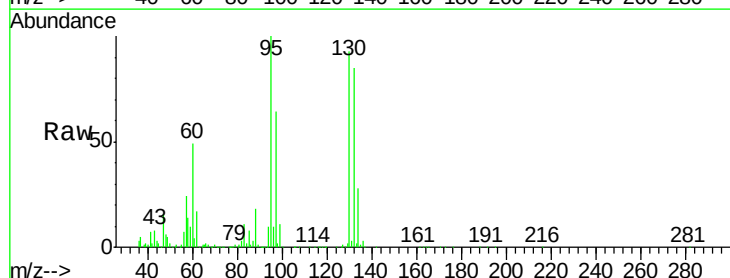
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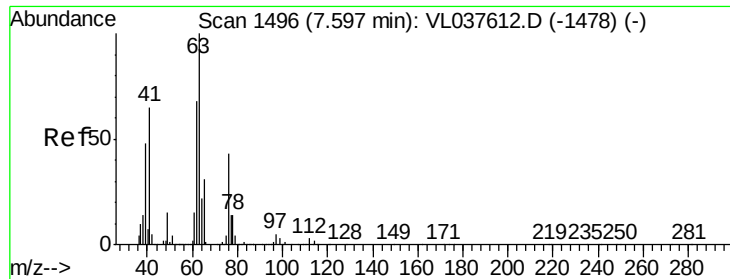
MMDadoda
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#38
 Trichloroethene
 Concen: 9.294 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Tgt Ion: 130 Resp: 1544735
 Ion Ratio Lower Upper
 130 100
 95 108.0 81.8 122.6
 132 91.9 75.3 112.9
 97 69.3 54.7 82.1





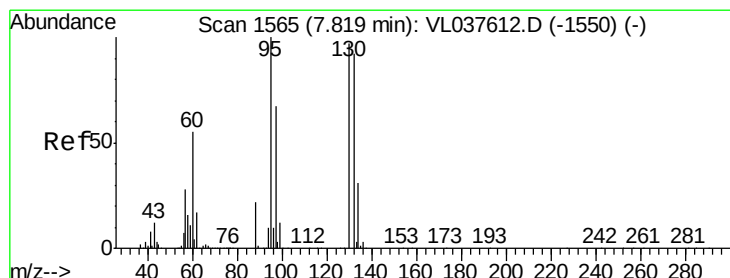
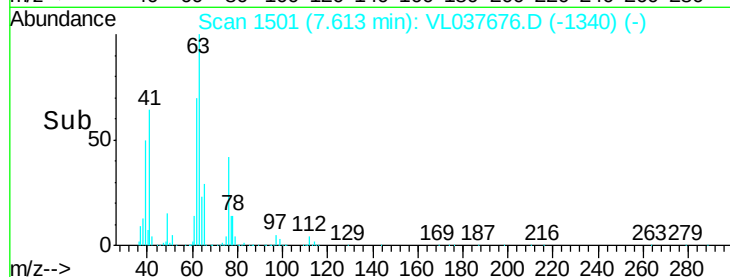
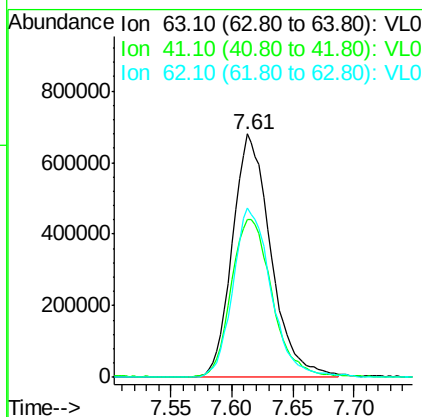
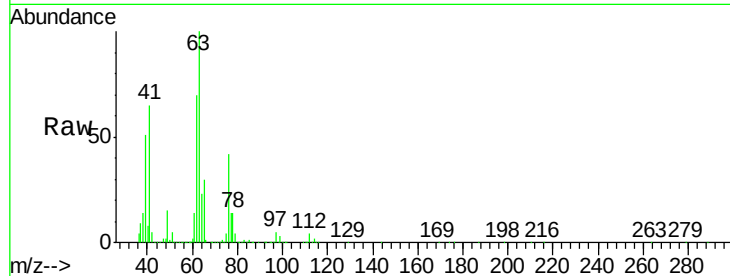
#39
 1,2-Dichloropropane
 Concen: 9.727 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 63 Resp: 1482294
 Ion Ratio Lower Upper
 63 100
 41 64.8 51.6 77.4
 62 69.4 54.6 81.8

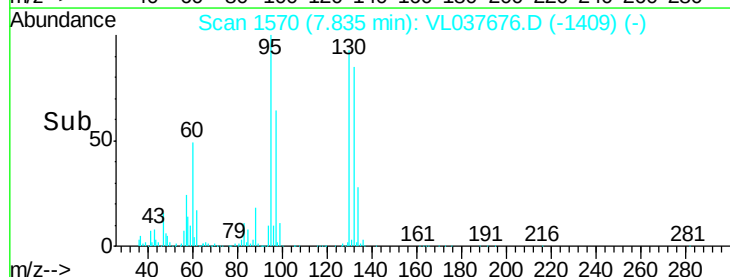
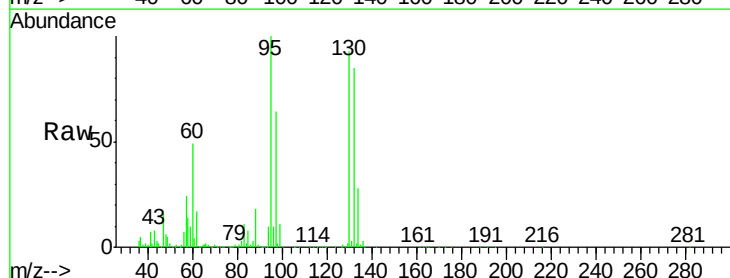
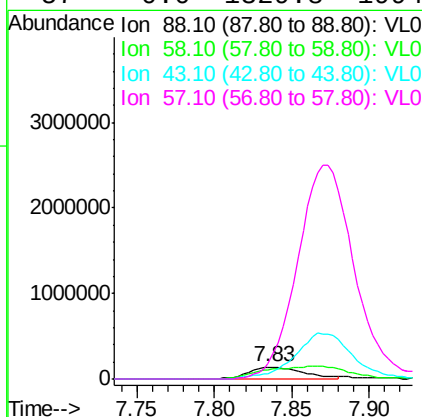
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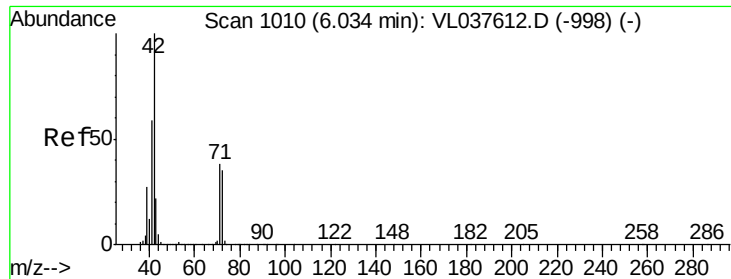
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#40
 1,4-Dioxane
 Concen: 9.207 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Tgt Ion: 88 Resp: 341269
 Ion Ratio Lower Upper
 88 100
 58 0.0 122.4 183.6#
 43 0.0 297.4 446.0#
 57 0.0 1329.8 1994.8#





#41

Tetrahydrofuran

Concen: 9.808 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

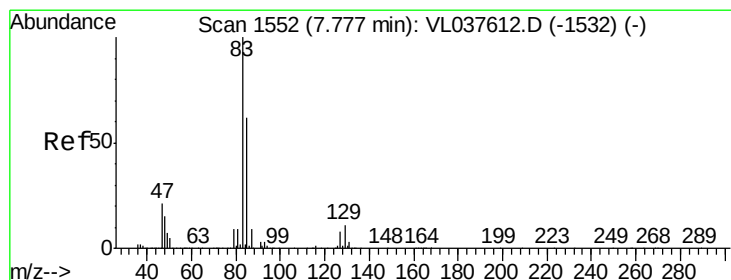
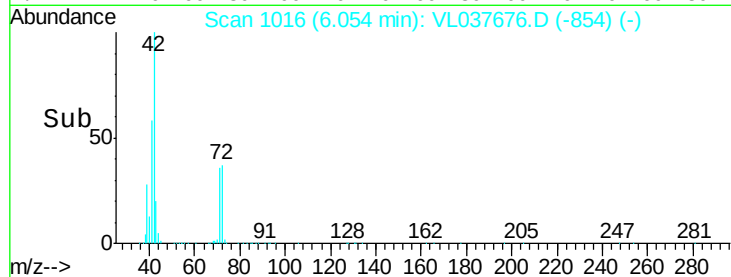
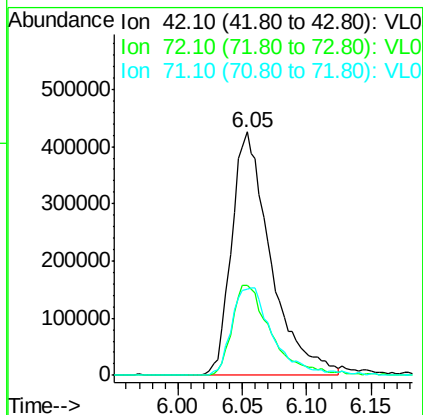
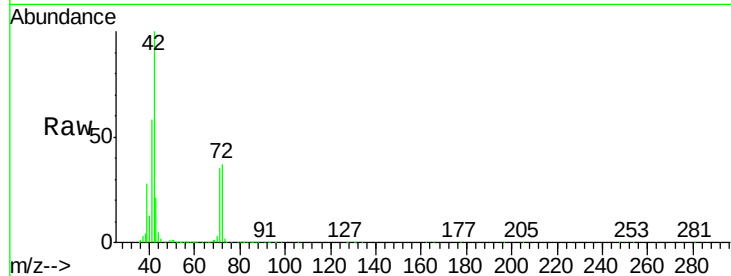
ClientSampleId :

VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.4	47.2
71	38.5	30.6	46.0

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#42

Bromodichloromethane

Concen: 10.005 ppbv

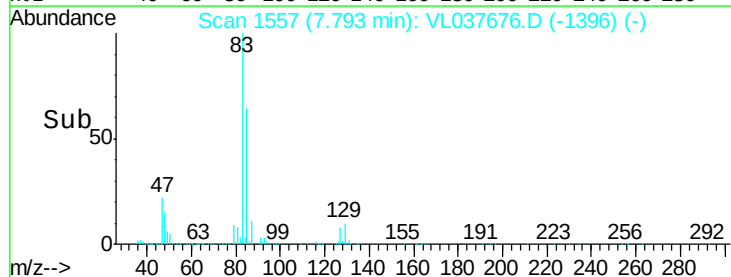
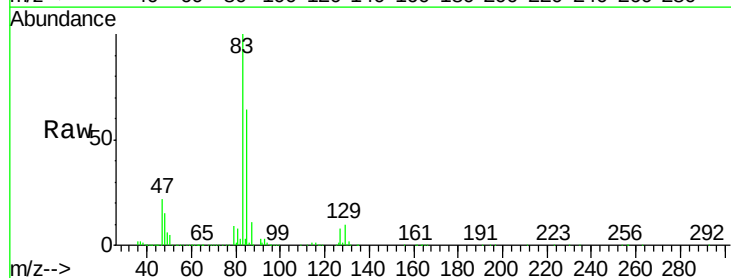
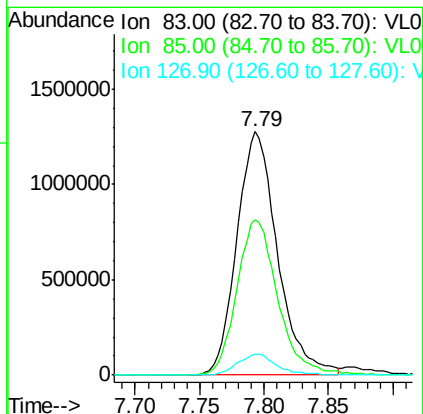
RT: 7.79 min Scan# 1557

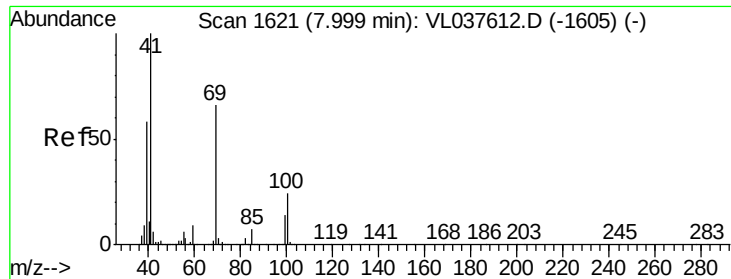
Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	49.8	74.6
127	8.4	6.4	9.6





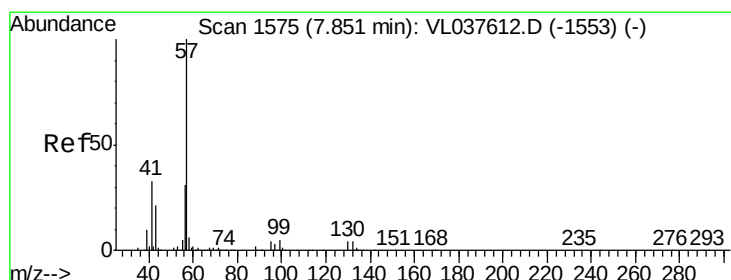
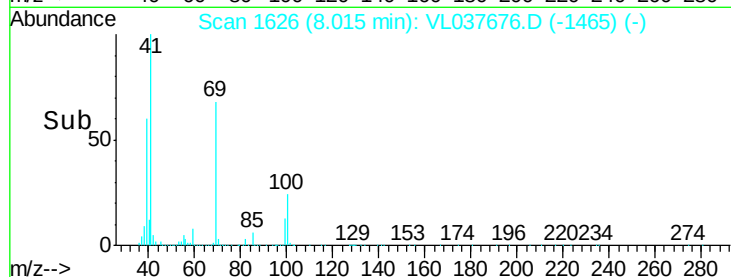
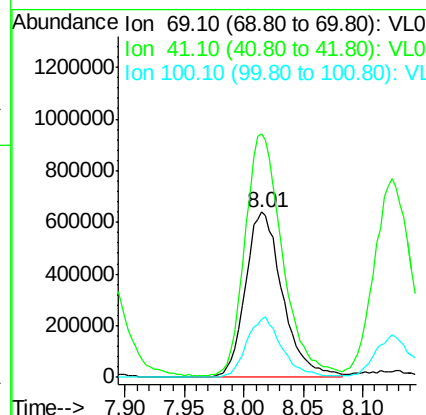
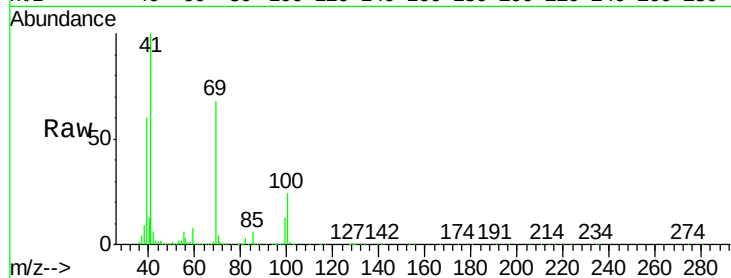
#43
Methyl Methacrylate
Concen: 10.441 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 69 Resp: 1382014
Ion Ratio Lower Upper
69 100
41 149.4 119.0 178.4
100 34.8 27.6 41.4

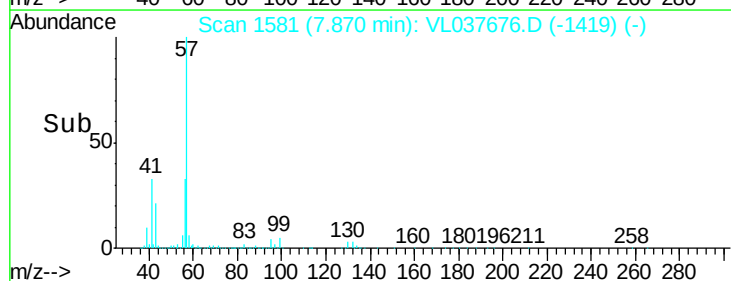
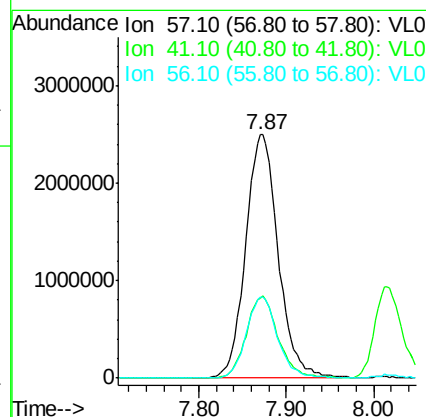
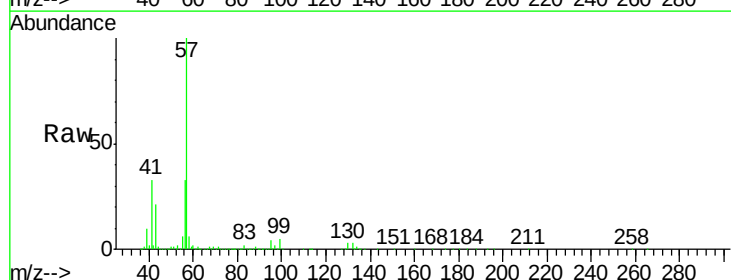
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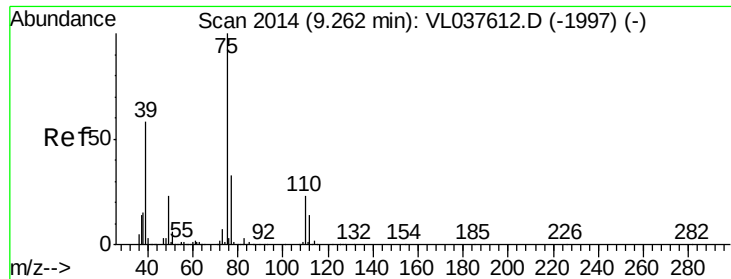
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.644 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion: 57 Resp: 6450336
Ion Ratio Lower Upper
57 100
41 32.8 26.1 39.1
56 32.1 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 9.874 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 75 Resp: 1026536

Ion Ratio Lower Upper

75 100

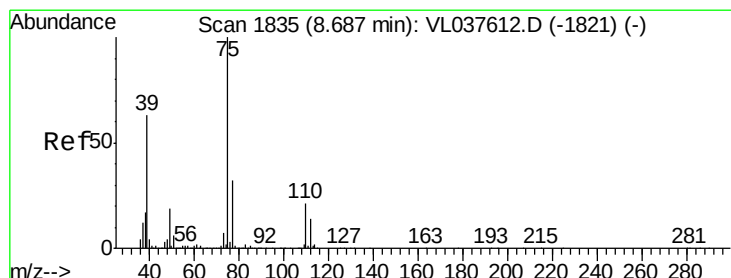
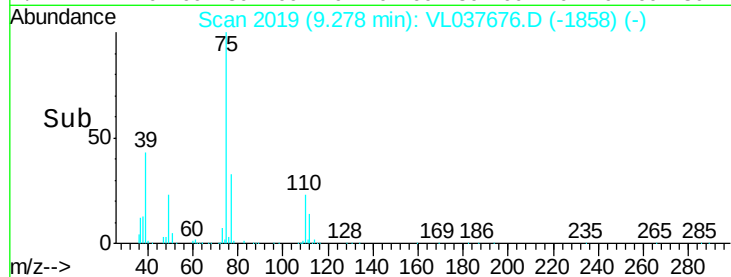
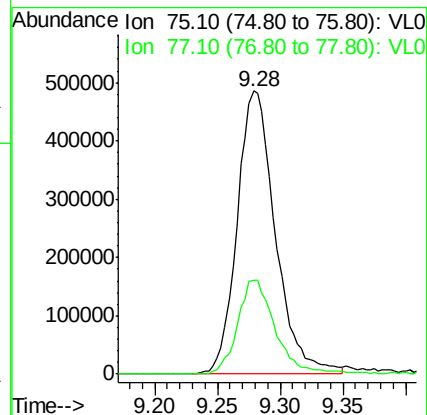
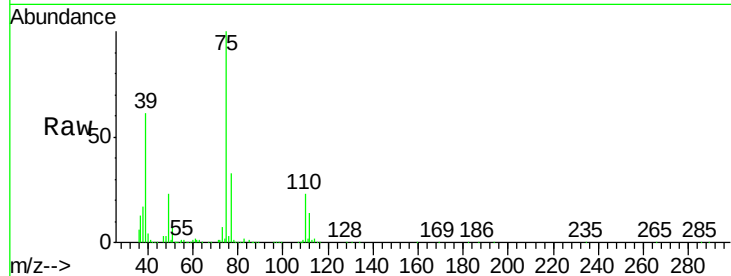
77 33.2 26.3 39.5

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#46

cis-1,3-Dichloropropene

Concen: 9.853 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

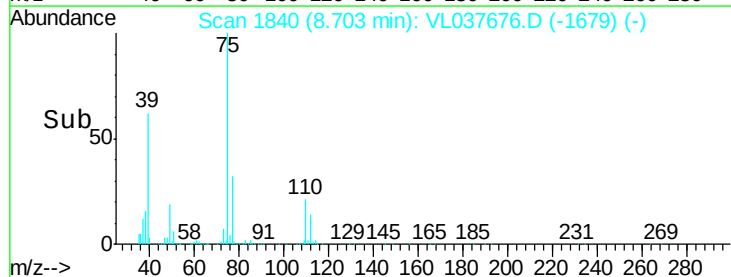
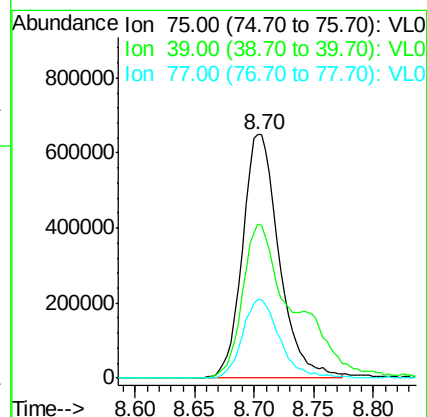
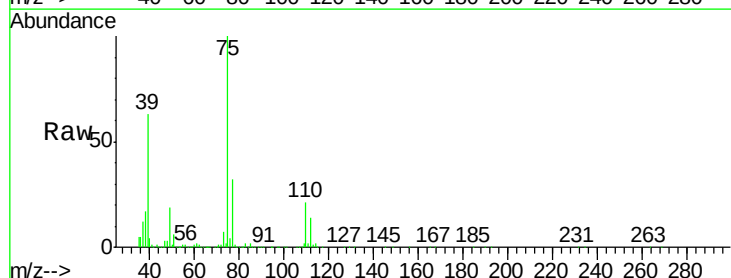
Tgt Ion: 75 Resp: 1383743

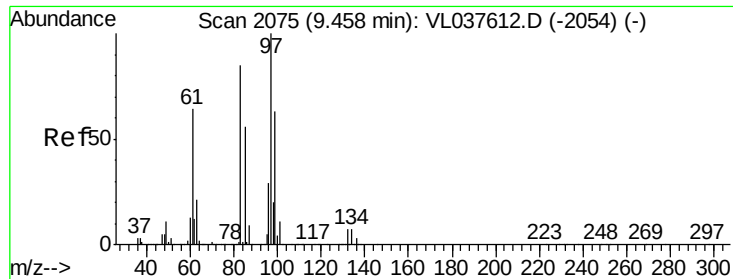
Ion Ratio Lower Upper

75 100

39 63.4 50.2 75.4

77 32.4 25.2 37.8





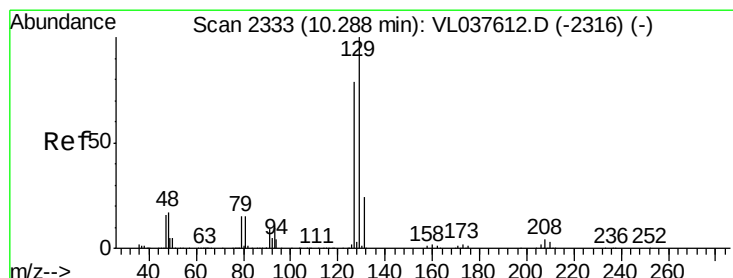
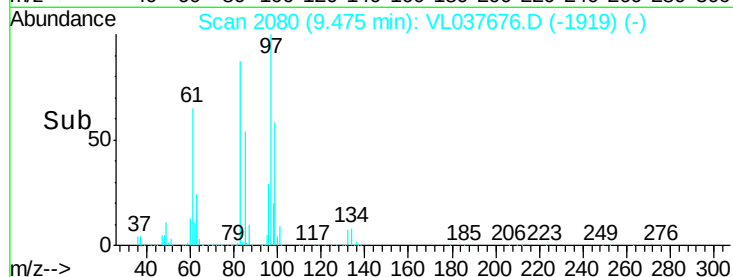
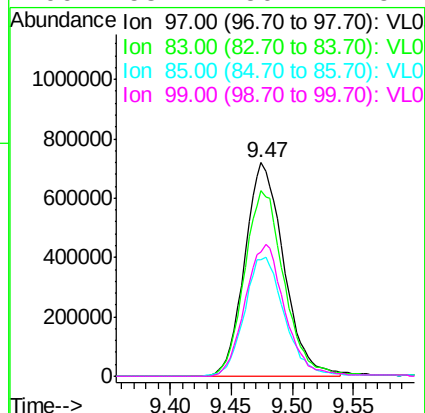
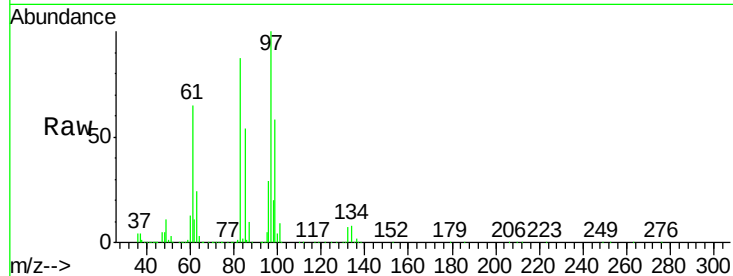
#47
 1,1,2-Trichloroethane
 Concen: 9.407 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 97 Resp: 1585710
 Ion Ratio Lower Upper
 97 100
 83 86.8 67.9 101.9
 85 54.3 44.8 67.2
 99 58.4 50.1 75.1

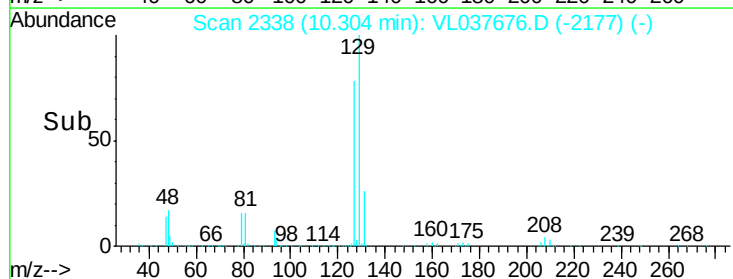
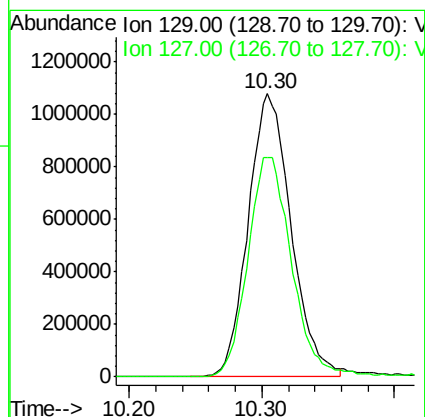
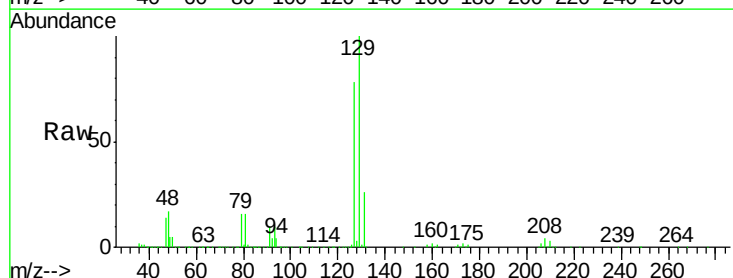
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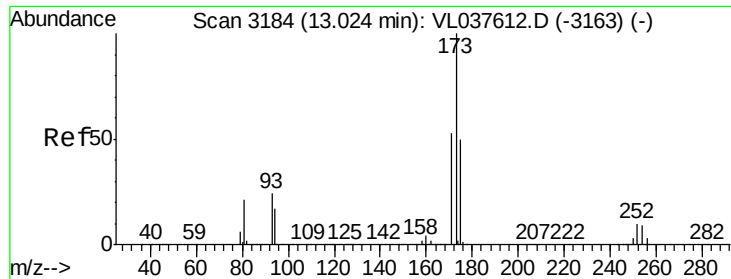
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#48
 Dibromochloromethane
 Concen: 10.324 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Tgt Ion: 129 Resp: 2427913
 Ion Ratio Lower Upper
 129 100
 127 79.7 39.3 117.8





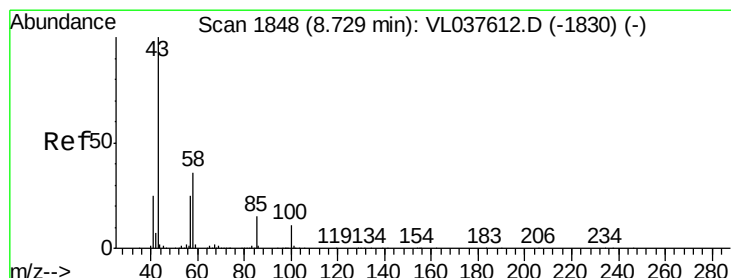
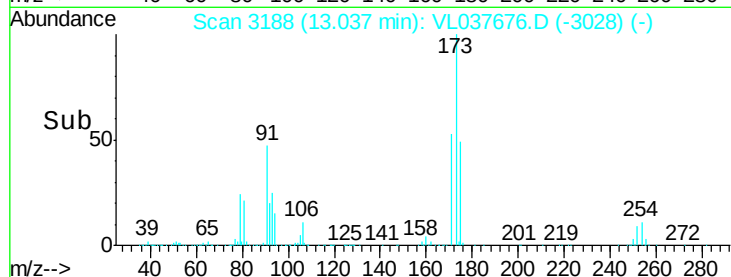
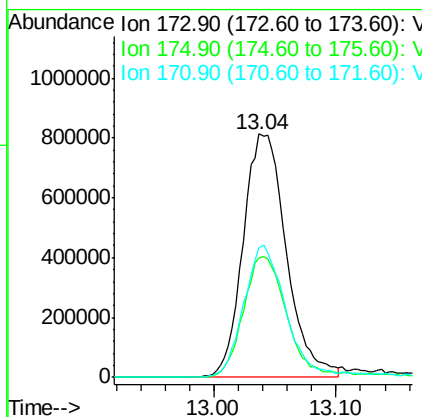
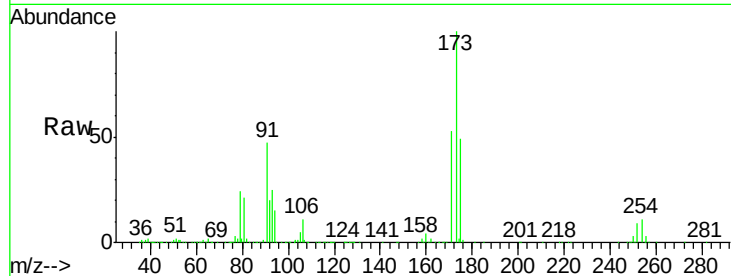
#49
Bromoform
Concen: 10.589 ppbv
RT: 13.04 min Scan# 3188
Delta R.T. 0.01 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 173 Resp: 1992960
Ion Ratio Lower Upper
173 100
175 51.6 39.8 59.8
171 54.0 42.2 63.4

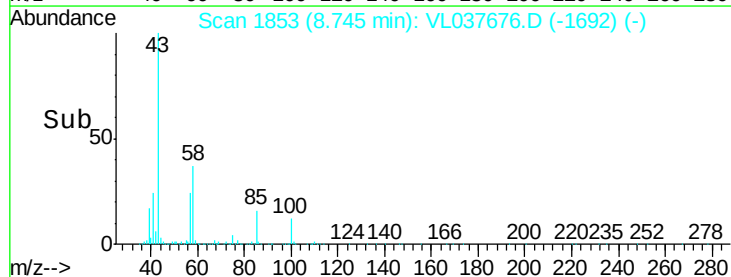
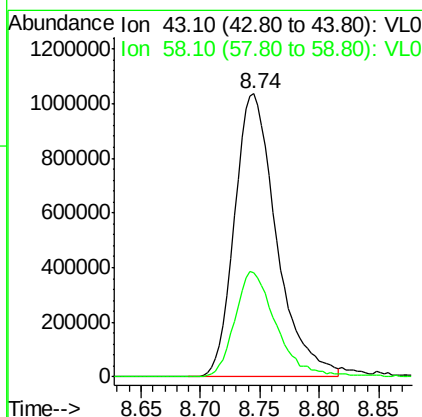
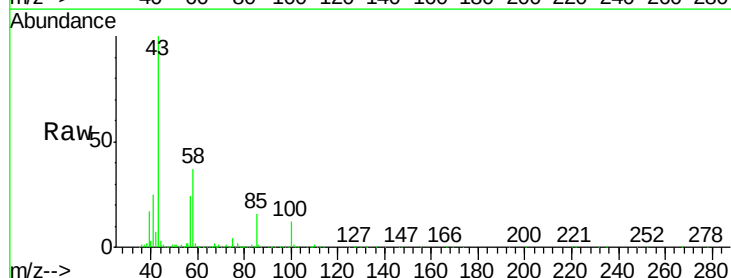
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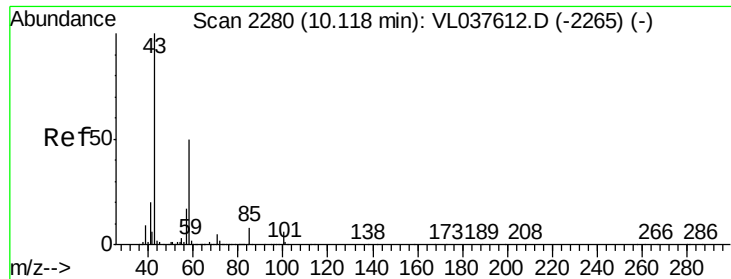
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#50
4-Methyl-2-Pentanone
Concen: 10.270 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion: 43 Resp: 2527615
Ion Ratio Lower Upper
43 100
58 37.2 29.4 44.2





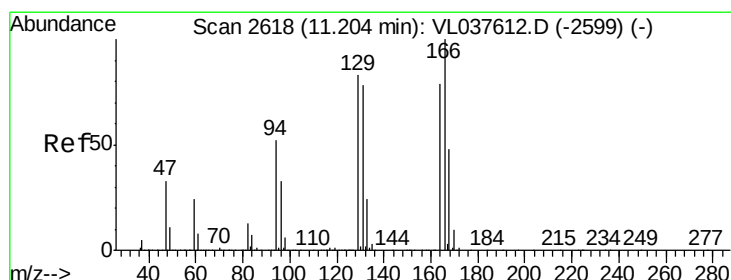
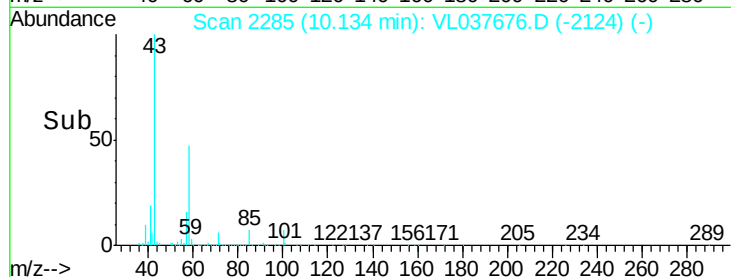
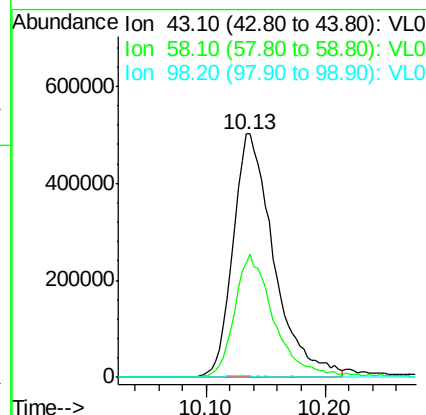
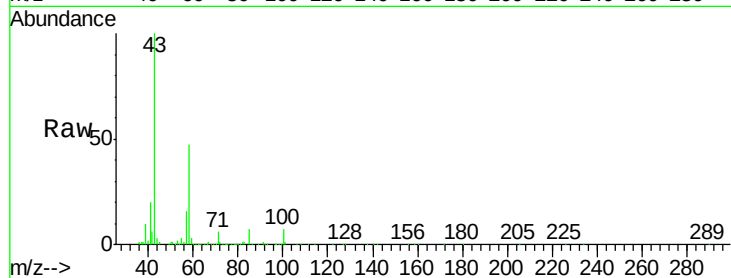
#51
2-Hexanone
Concen: 10.974 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 43 Resp: 1191548
Ion Ratio Lower Upper
43 100
58 49.9 39.3 58.9
98 0.8 0.4 0.6#

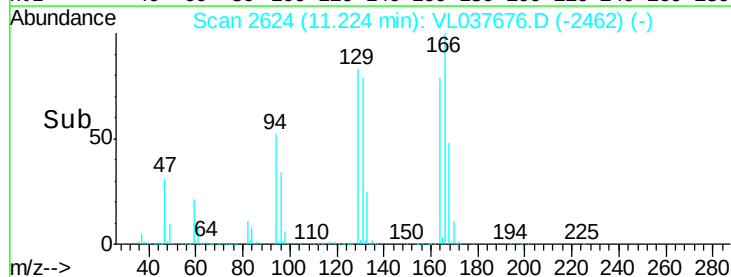
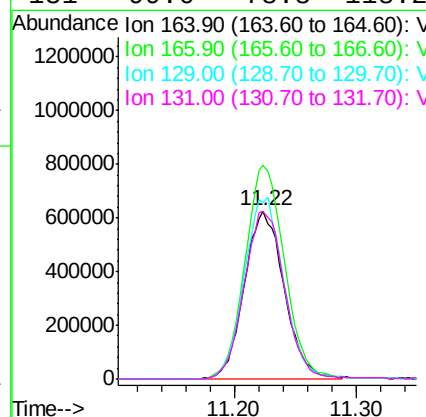
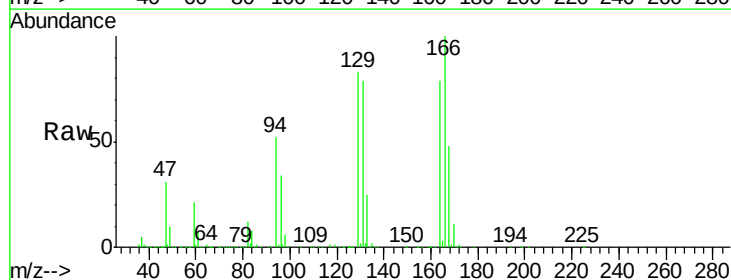
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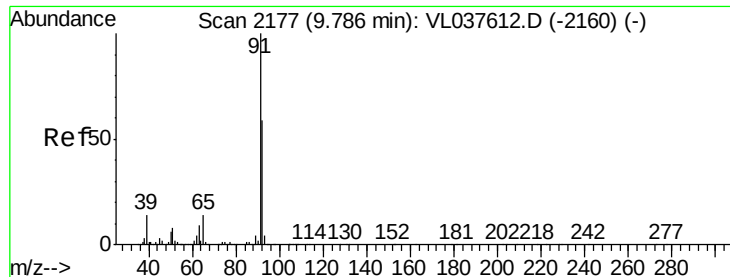
MMDadoda
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#52
Tetrachloroethene
Concen: 9.226 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion: 164 Resp: 1409166
Ion Ratio Lower Upper
164 100
166 126.9 101.2 151.8
129 104.9 84.0 126.0
131 99.6 78.8 118.2





#53

Toluene

Concen: 10.145 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 91 Resp: 4486492

Ion Ratio Lower Upper

91 100

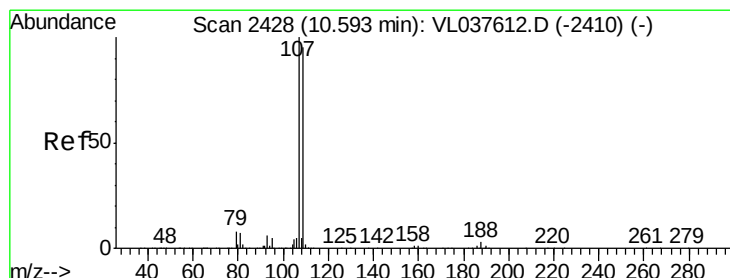
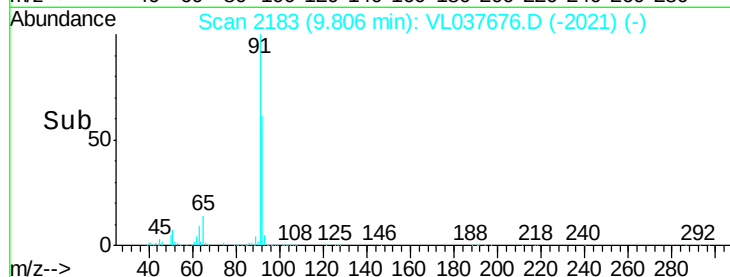
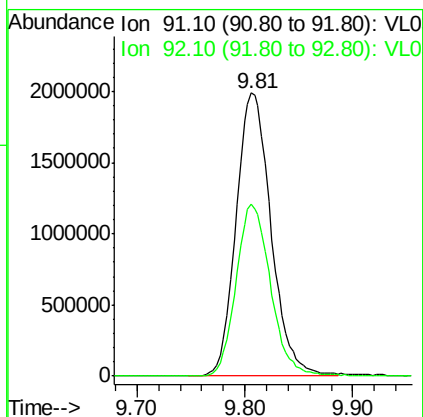
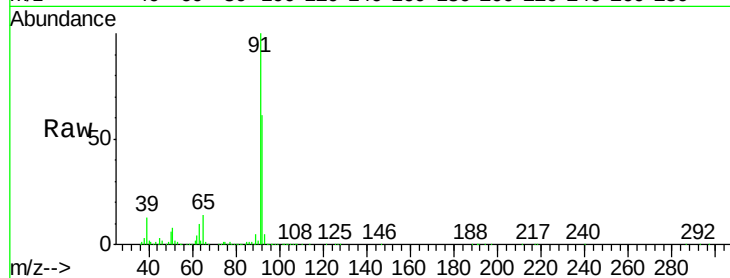
92 60.3 48.9 73.3

Manual Integrations

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10/1/2021 11:04:48 AM



#54

1,2-Dibromoethane

Concen: 9.569 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.02 min

Lab File: VL037676.D

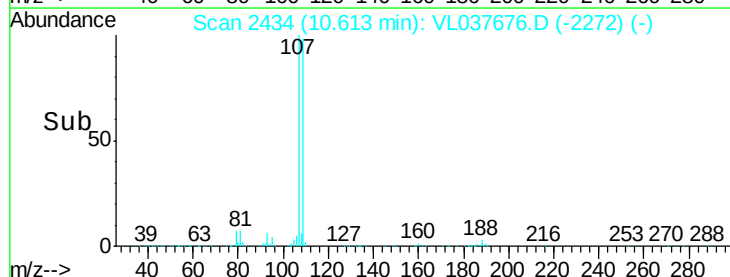
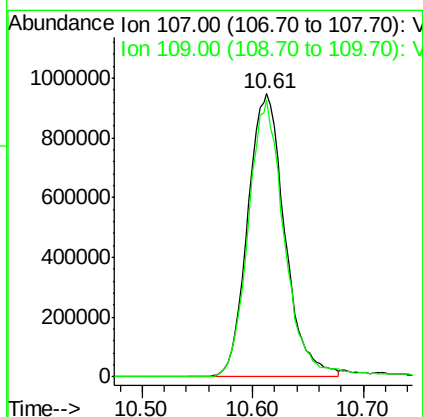
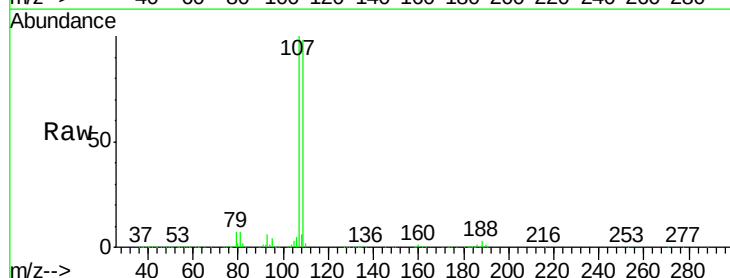
Acq: 27 Sep 2021 11:57

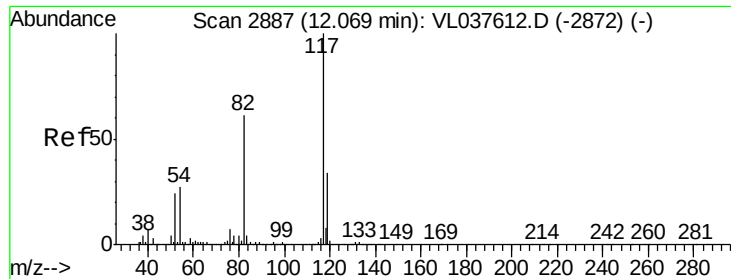
Tgt Ion: 107 Resp: 2208662

Ion Ratio Lower Upper

107 100

109 98.0 76.0 114.0





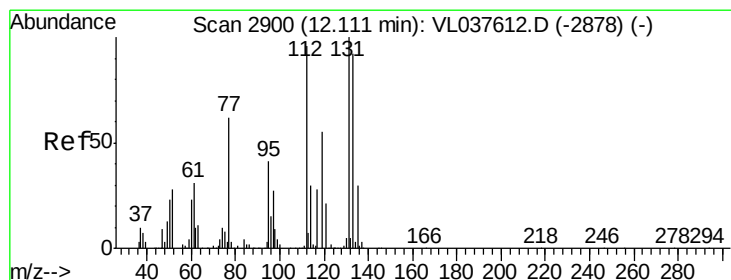
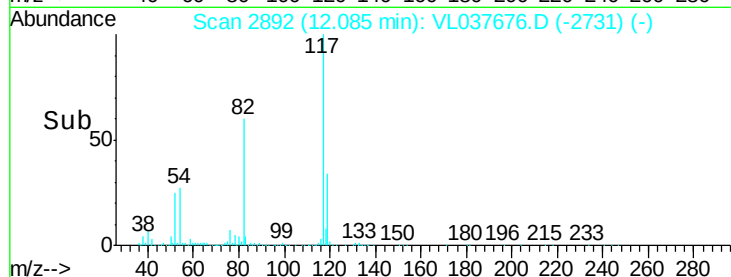
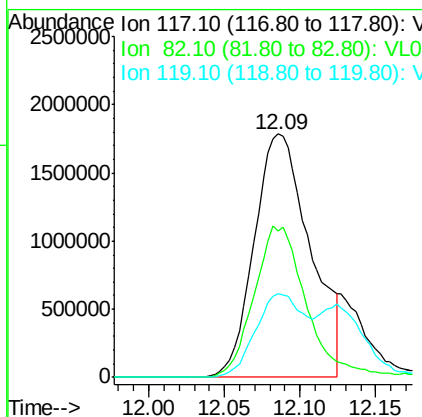
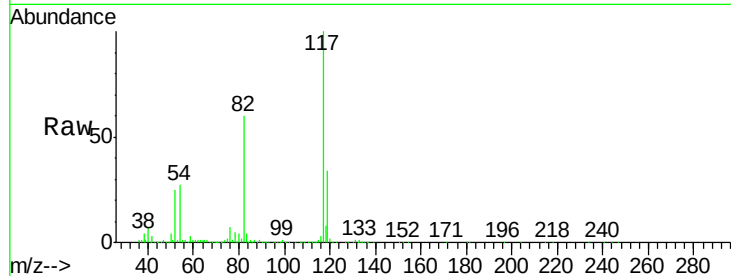
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion:117 Resp: 4589379
Ion Ratio Lower Upper
117 100
82 60.3 50.6 75.8
119 55.7 26.2 39.2#

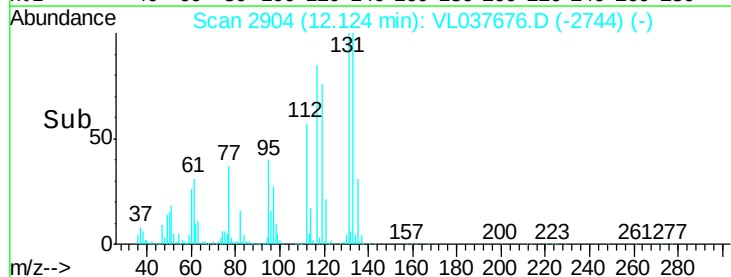
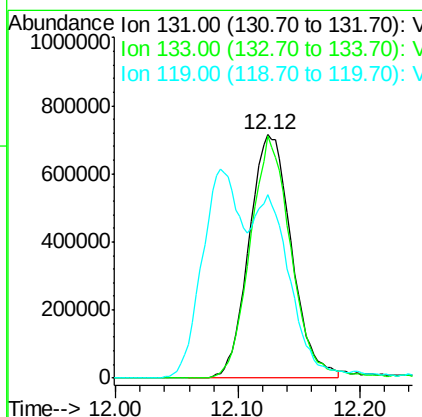
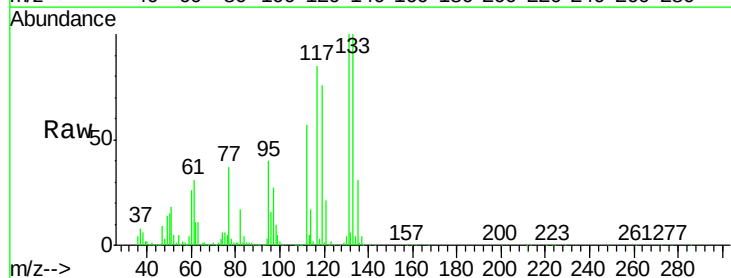
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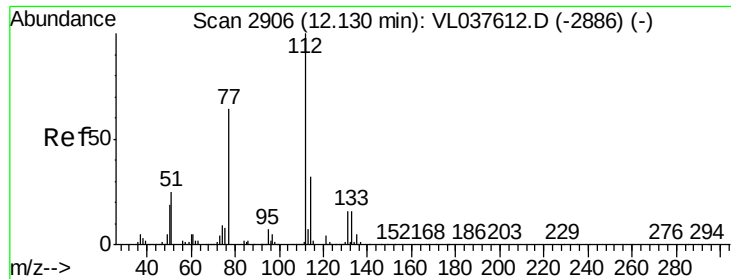
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.022 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion:131 Resp: 1717554
Ion Ratio Lower Upper
131 100
133 98.2 76.8 115.2
119 70.3 47.8 71.8





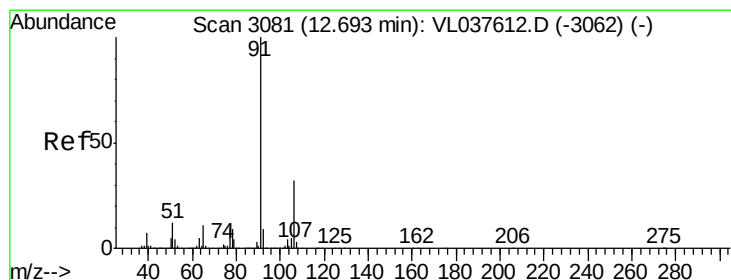
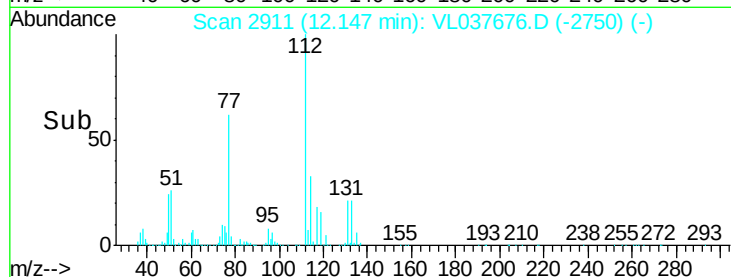
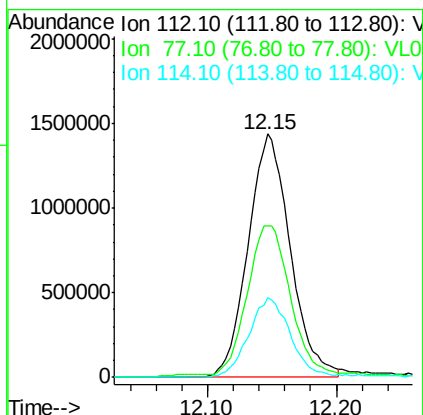
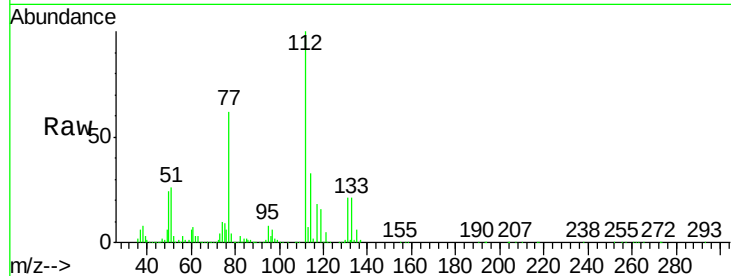
#57
Chlorobenzene
Concen: 8.560 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.1	52.1	78.1
114	32.5	29.2	35.6

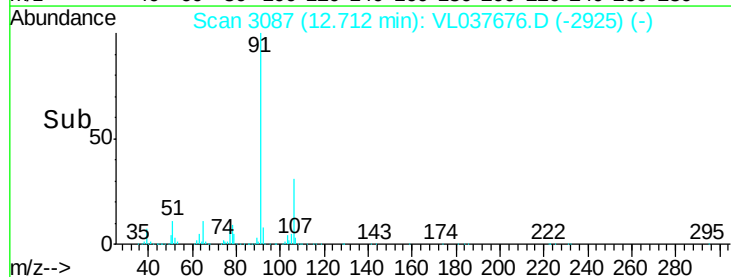
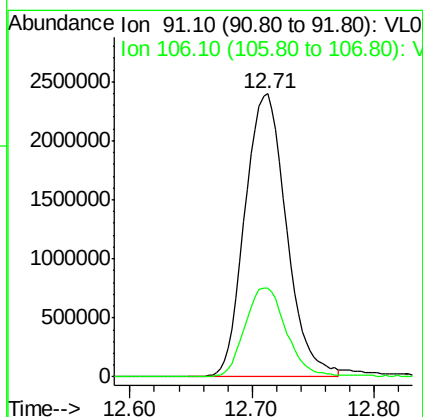
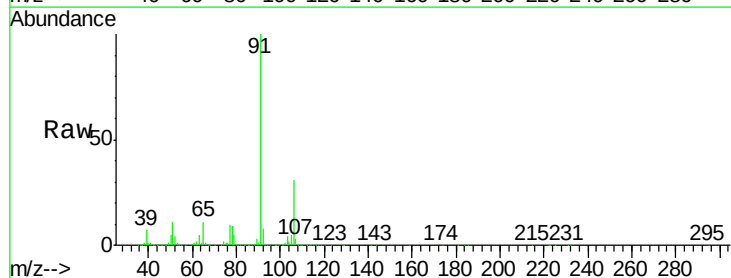
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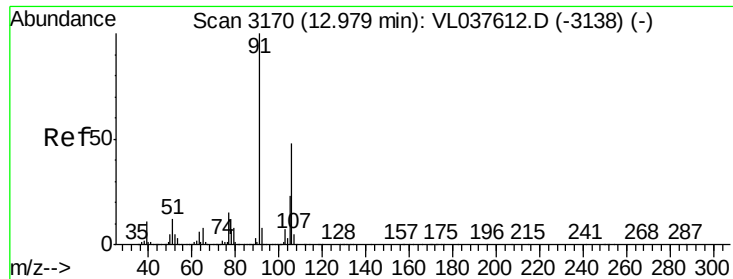
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#58
Ethyl Benzene
Concen: 9.268 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.3	37.9





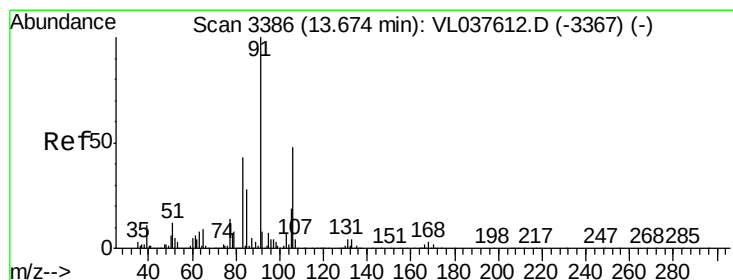
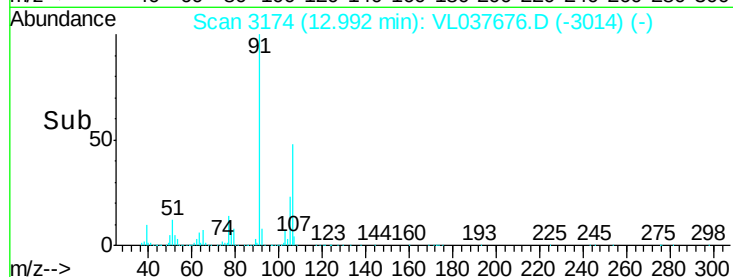
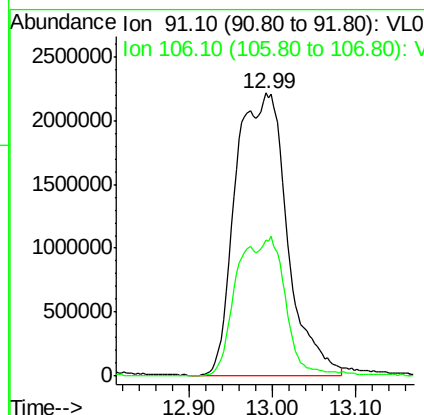
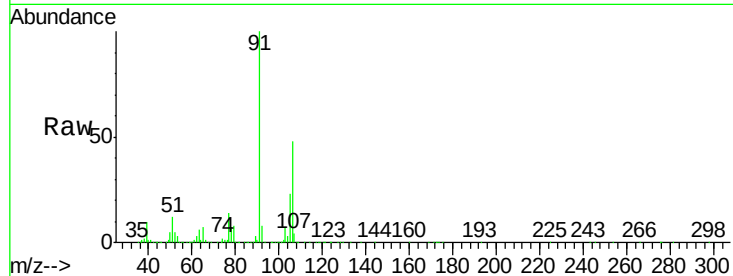
#59
m/p-Xylene
Concen: 17.960 ppbv m
RT: 12.99 min Scan# 3174
Delta R.T. 0.01 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 91 Resp: 9535182
Ion Ratio Lower Upper
91 100
106 46.8 36.6 55.0

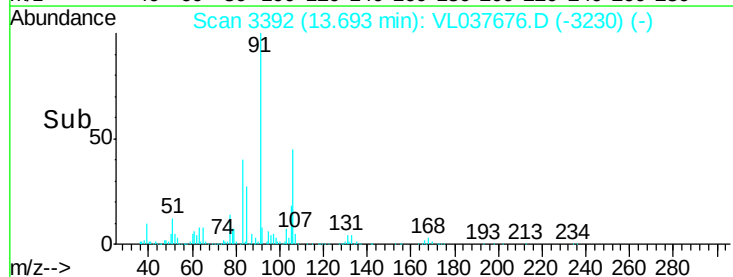
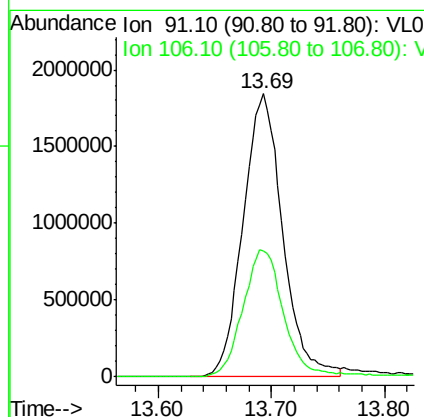
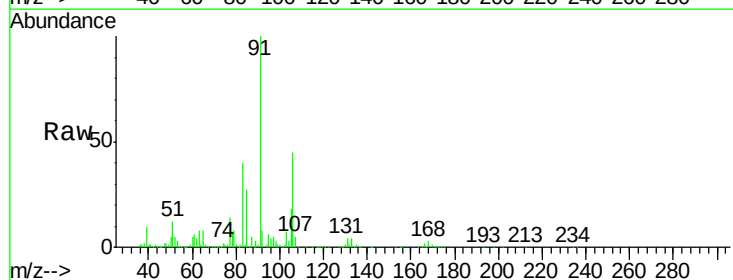
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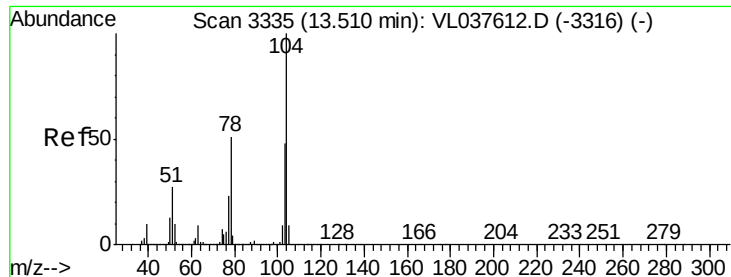
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#60
o-Xylene
Concen: 8.858 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion: 91 Resp: 4476161
Ion Ratio Lower Upper
91 100
106 47.3 23.0 69.0





#61

Styrene

Concen: 10.280 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion:104 Resp: 2561553

Ion Ratio Lower Upper

104 100

78 49.5

103 48.5

39.7 59.5

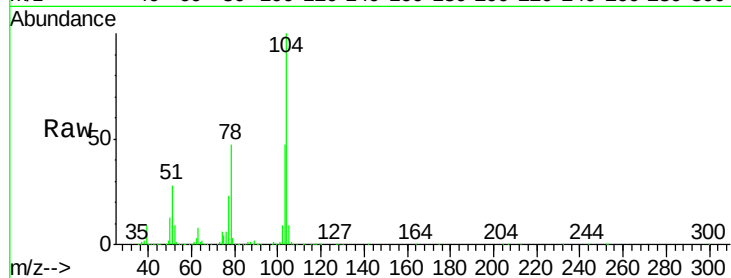
38.8 58.2

Manual Integrations

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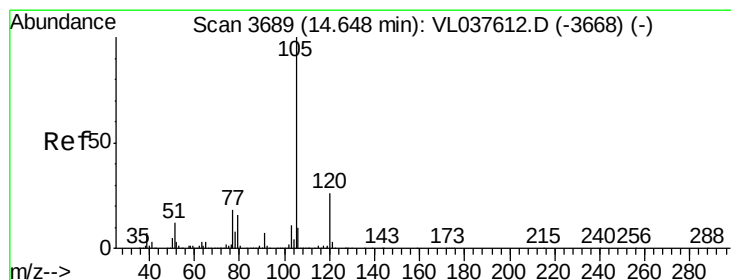
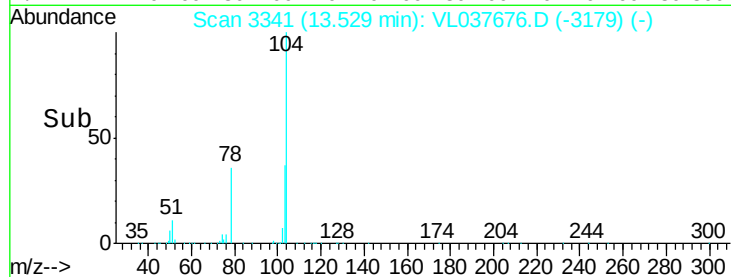
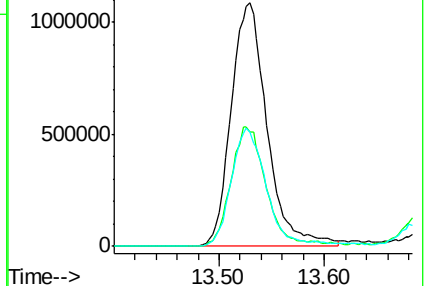
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.912 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

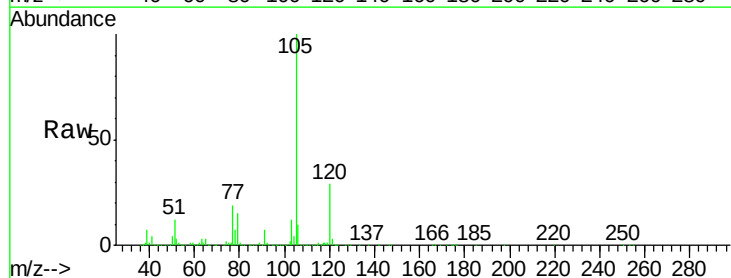
Tgt Ion:105 Resp: 6290896

Ion Ratio Lower Upper

105 100

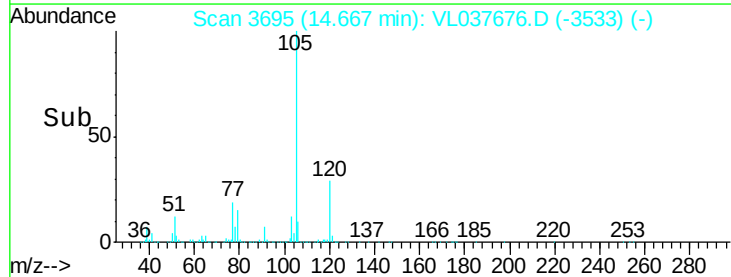
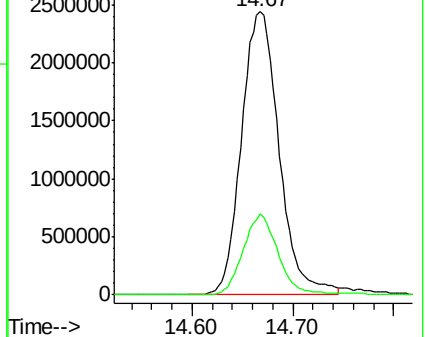
120 27.3

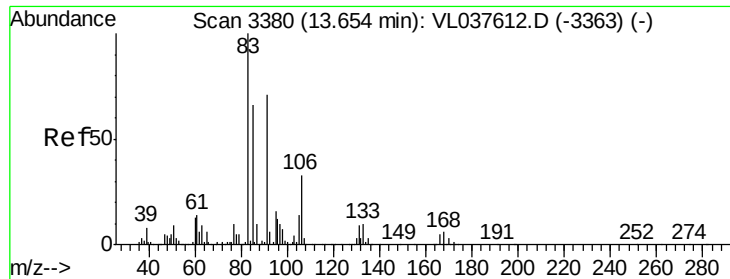
21.4 32.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





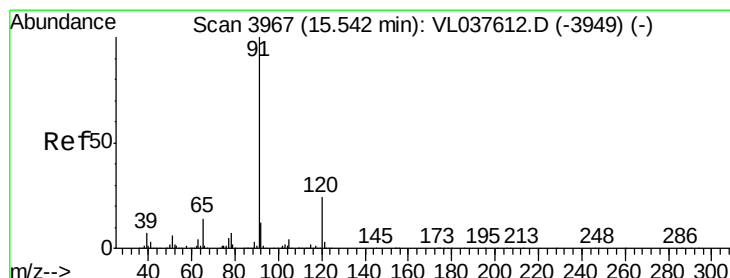
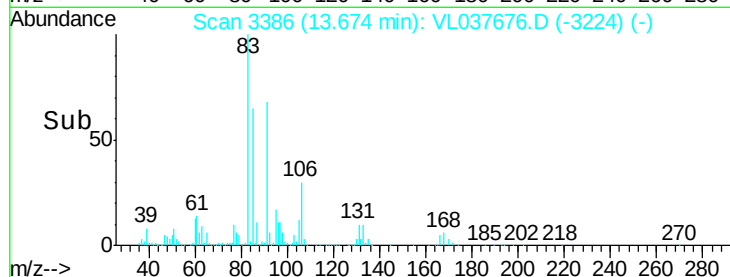
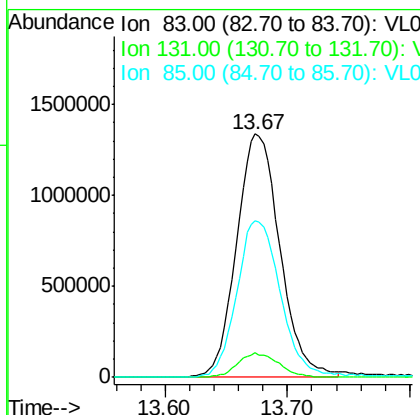
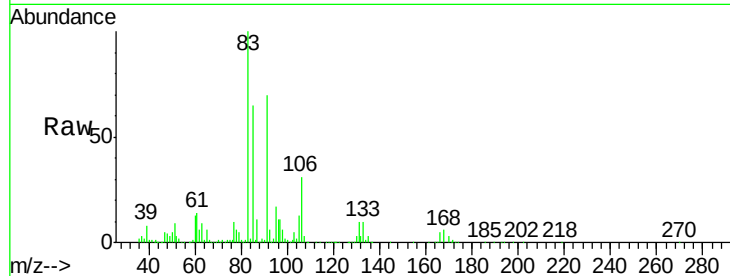
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.274 ppbv
 RT: 13.67 min Scan# 3386
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 83 Resp: 3272263
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.1 15.3
 85 66.5 33.3 99.9

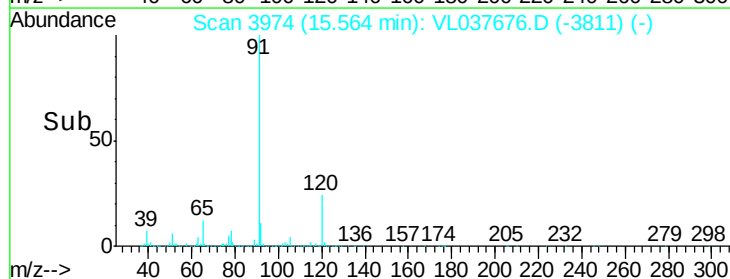
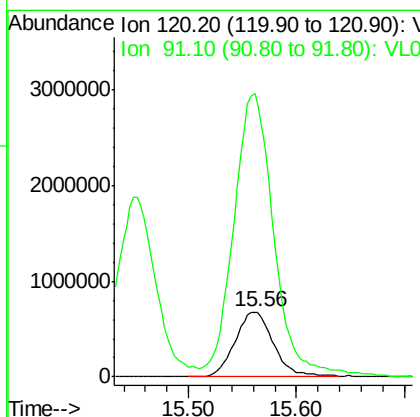
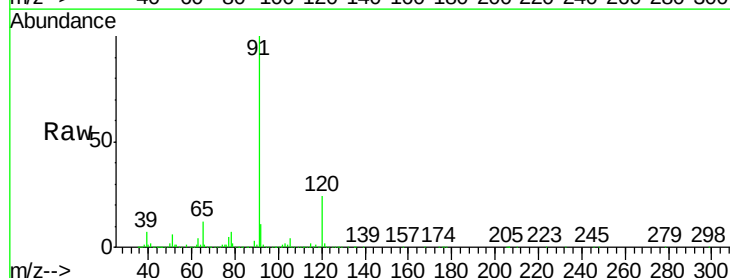
Manual Integrations
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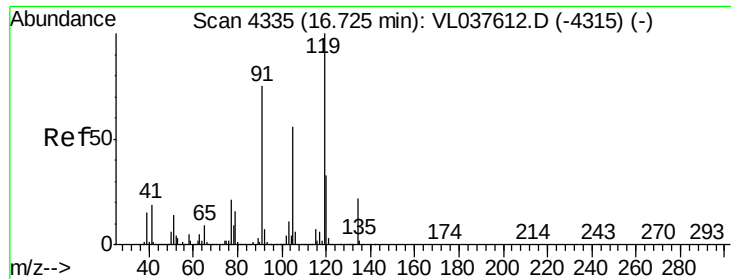
MMDadoda
 10/1/2021 11:04:48 AM



#64
 n-propylbenzene
 Concen: 9.259 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Tgt Ion: 120 Resp: 1686559
 Ion Ratio Lower Upper
 120 100
 91 457.9 345.0 517.4





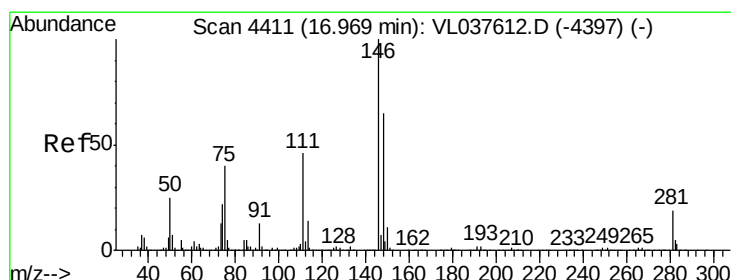
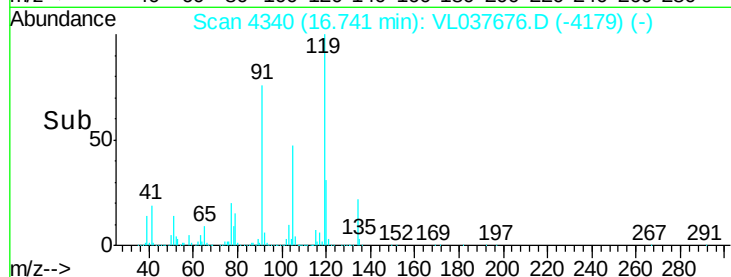
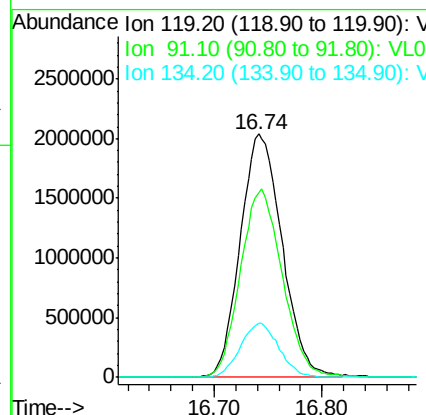
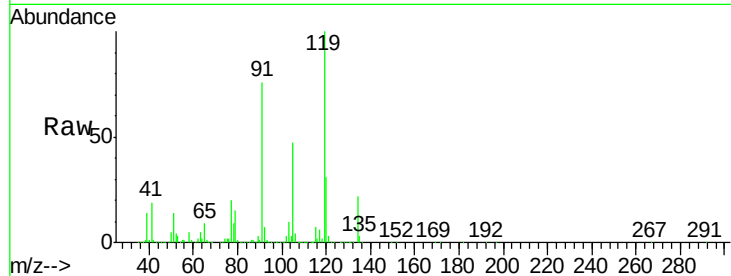
#65
tert-Butylbenzene
Concen: 8.652 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 119 Resp: 5506763
Ion Ratio Lower Upper
119 100
91 77.4 61.9 92.9
134 20.7 16.5 24.7

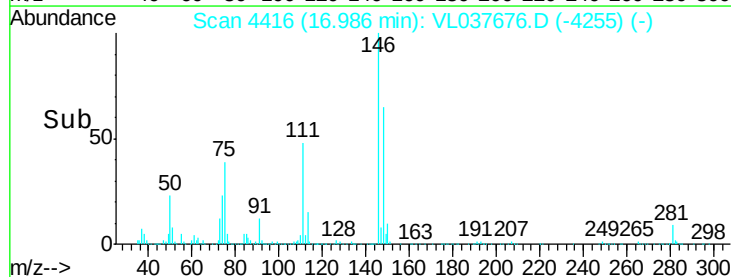
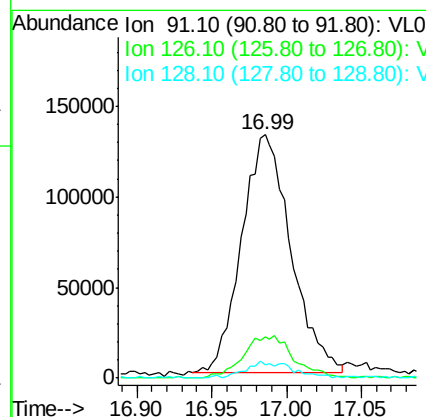
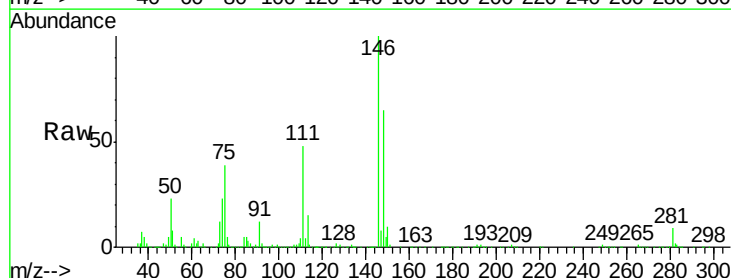
Manual Integrations
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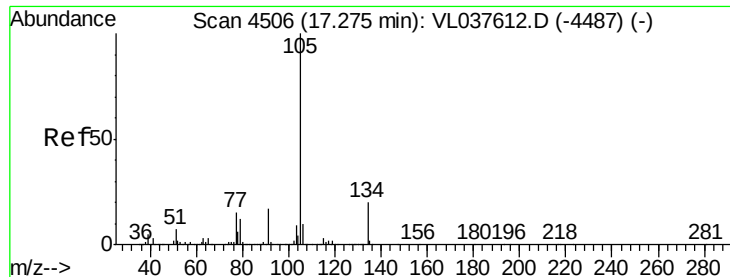
MMDadoda
10/1/2021 11:04:48 AM



#66
Benzyl Chloride
Concen: 8.706 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion: 91 Resp: 302816
Ion Ratio Lower Upper
91 100
126 18.5 14.4 21.6
128 7.0 5.7 8.5





#67

sec-Butylbenzene

Concen: 8.892 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 105 Resp: 7678449

Ion Ratio Lower Upper

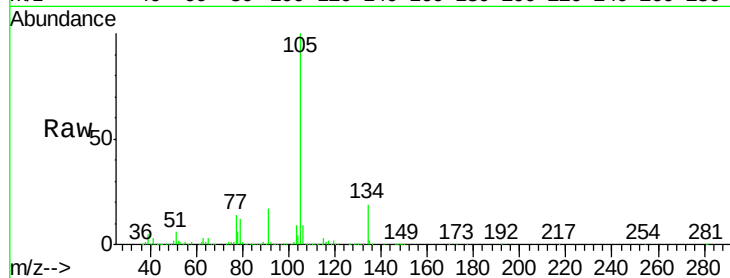
105 100

134 19.2 15.7 23.5

Manual Integrations
APPROVED

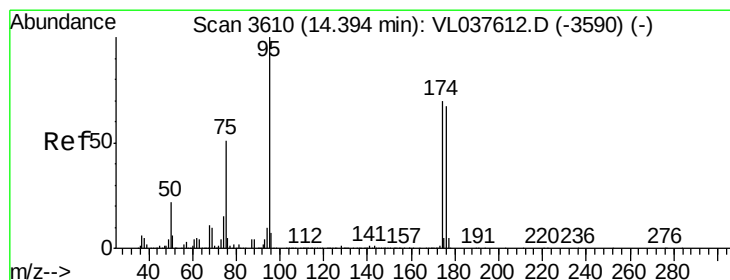
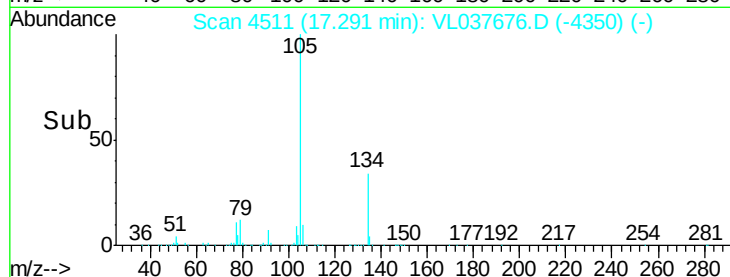
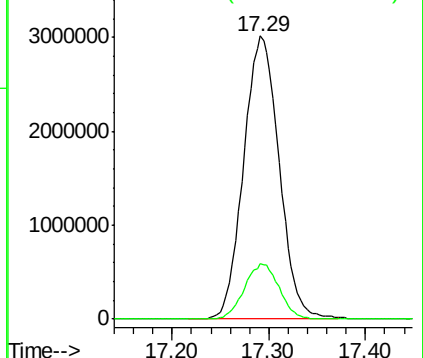
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.996 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

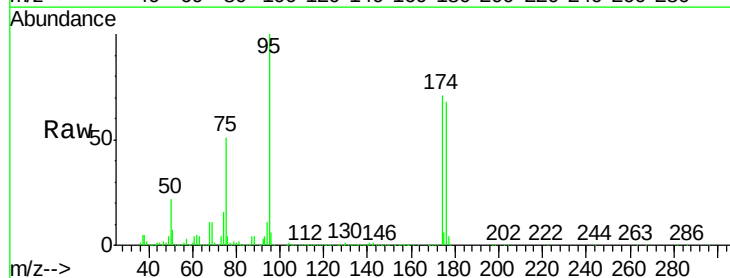
Tgt Ion: 95 Resp: 3315533

Ion Ratio Lower Upper

95 100

174 71.6 56.3 84.5

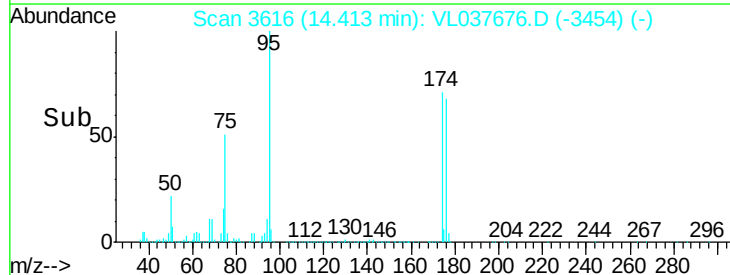
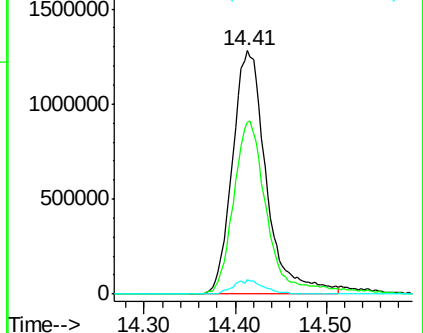
175 5.7 4.4 6.6

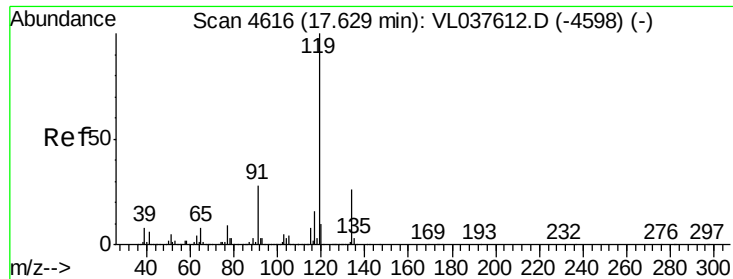


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





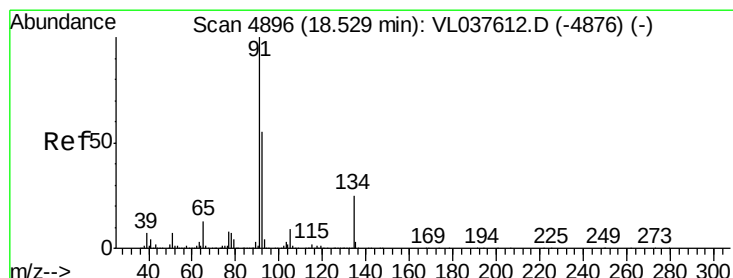
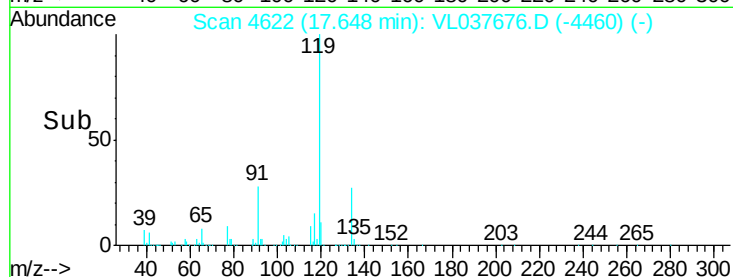
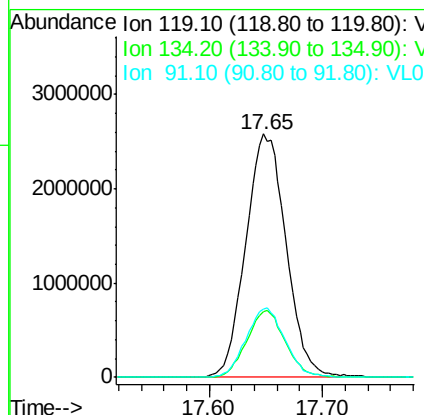
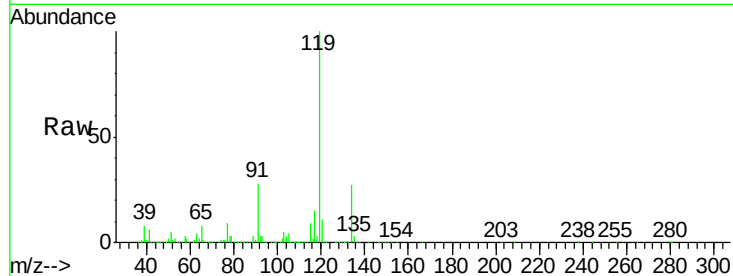
#69
 p-Isopropyltoluene
 Concen: 9.050 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 119 Resp: 6384220
 Ion Ratio Lower Upper
 119 100
 134 26.5 21.2 31.8
 91 27.4 22.2 33.2

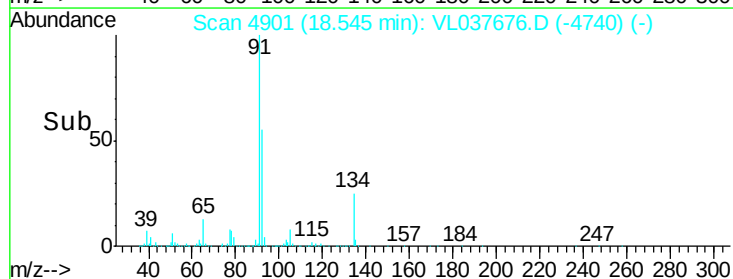
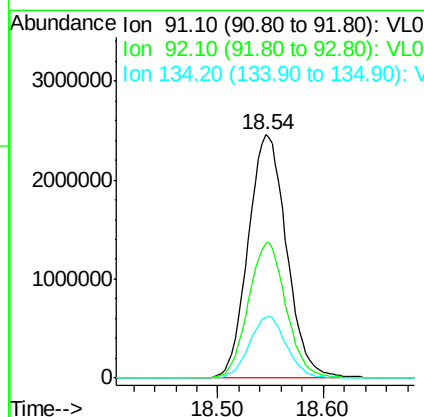
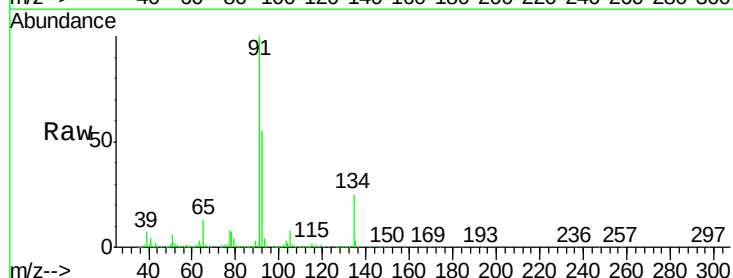
Manual Integrations
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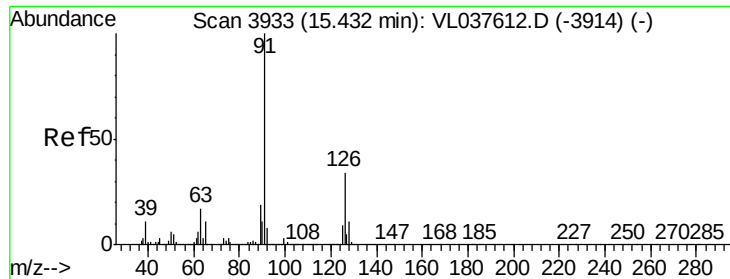
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#70
 n-Butylbenzene
 Concen: 9.294 ppbv
 RT: 18.54 min Scan# 4901
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Tgt Ion: 91 Resp: 6203713
 Ion Ratio Lower Upper
 91 100
 92 55.1 44.0 66.0
 134 24.8 19.5 29.3





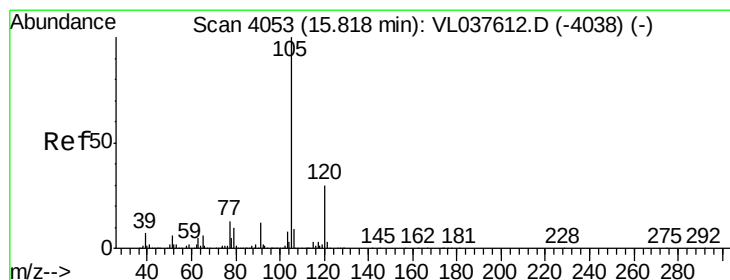
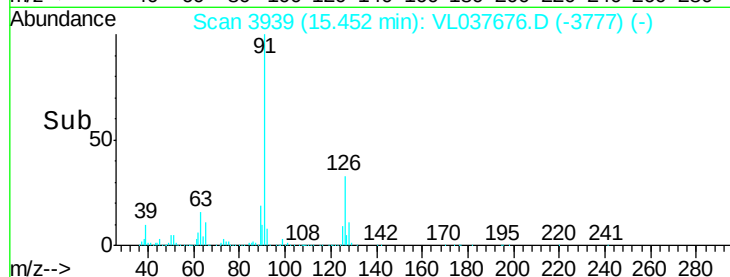
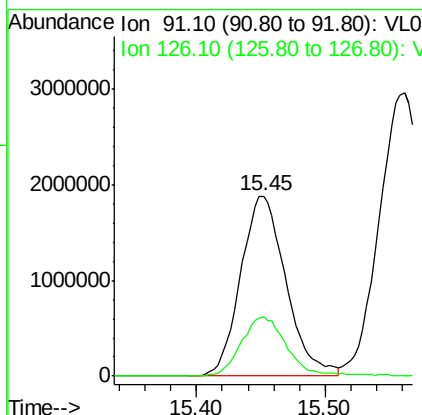
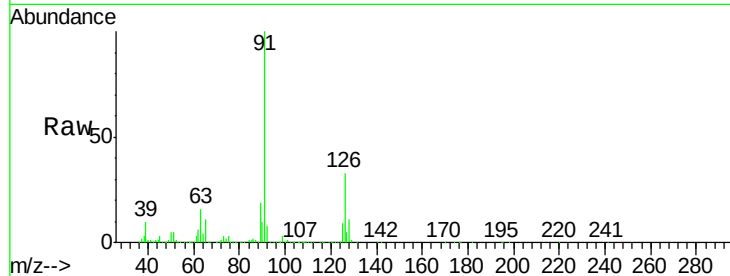
#71
2-Chlorotoluene
Concen: 9.103 ppbv
RT: 15.45 min Scan# 3939
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 91 Resp: 4605091
Ion Ratio Lower Upper
91 100
126 33.9 13.2 52.8

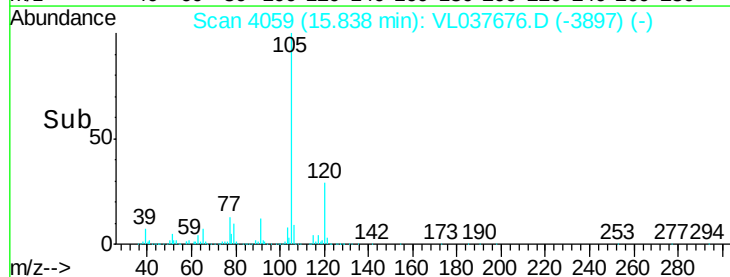
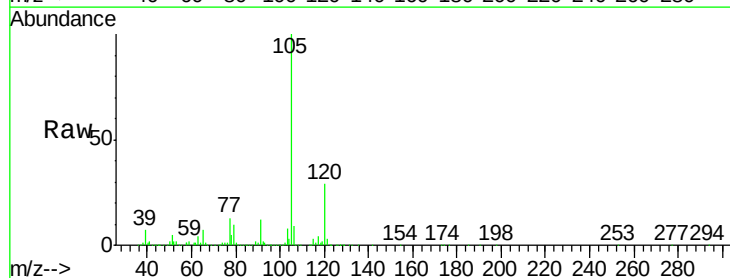
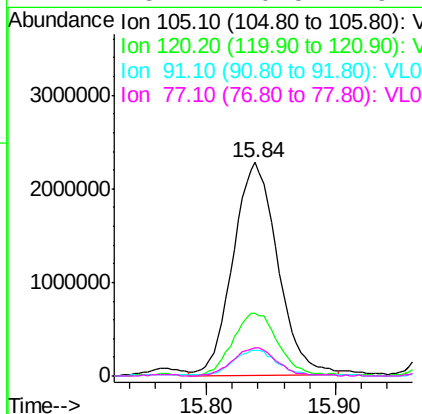
Manual Integrations
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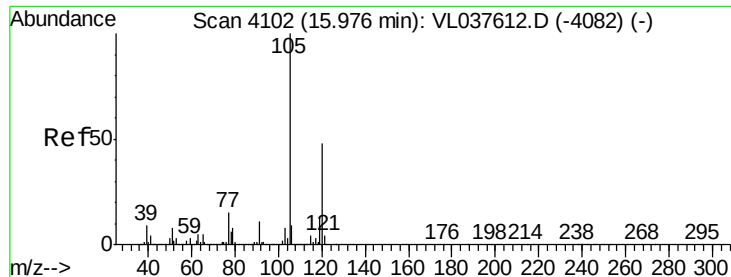
MMDadoda
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#72
4-Ethyltoluene
Concen: 9.451 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion: 105 Resp: 5481897
Ion Ratio Lower Upper
105 100
120 30.4 24.7 37.1
91 12.1 9.9 14.9
77 13.2 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 9.015 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion:105 Resp: 4874150

Ion Ratio Lower Upper

105 100

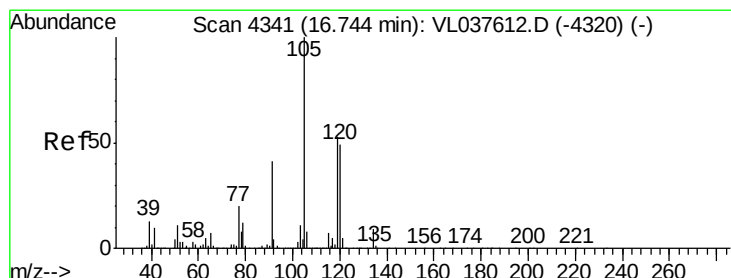
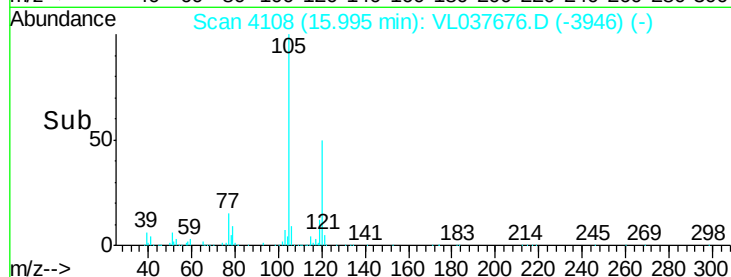
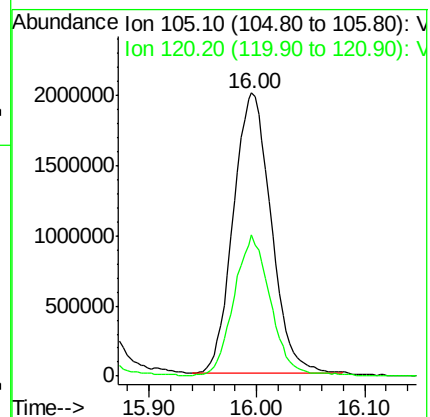
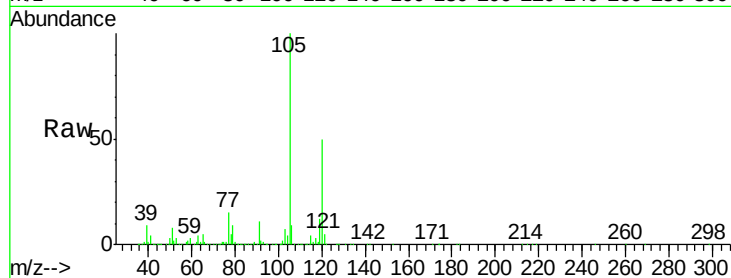
120 50.0 38.3 57.5

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 8.863 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.02 min

Lab File: VL037676.D

Acq: 27 Sep 2021 11:57

Tgt Ion:105 Resp: 5047601

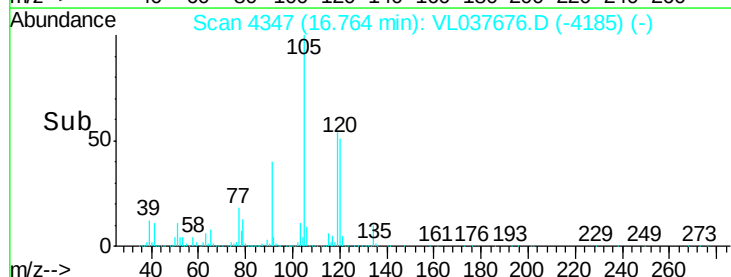
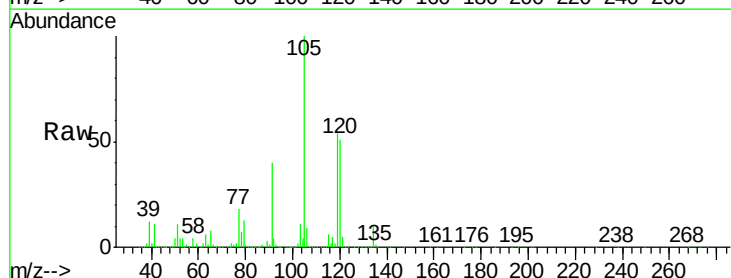
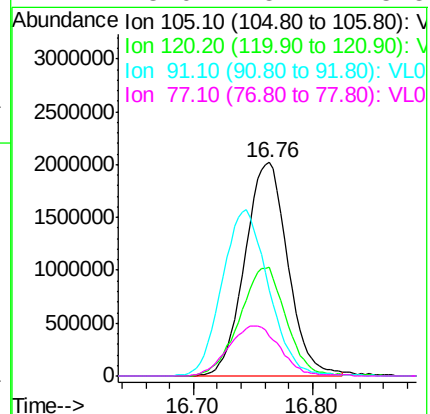
Ion Ratio Lower Upper

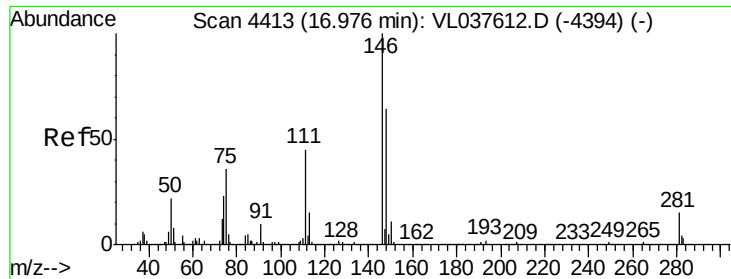
105 100

120 50.7 39.4 59.0

91 39.7 33.3 49.9

77 18.0 15.7 23.5





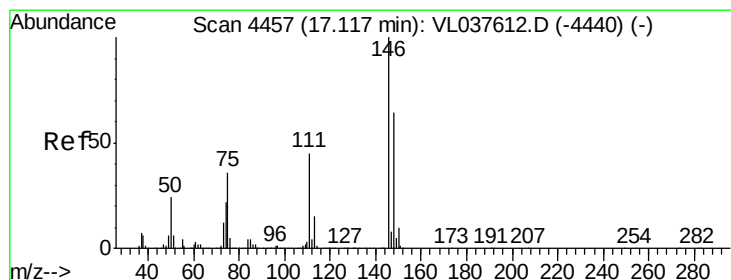
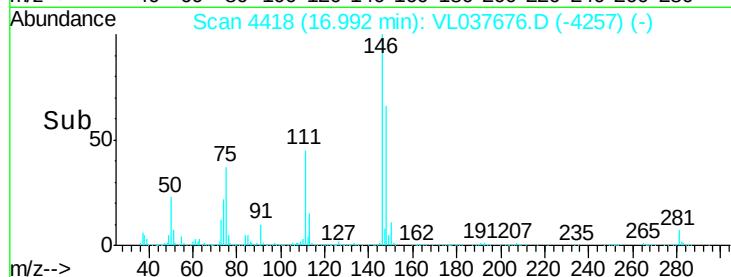
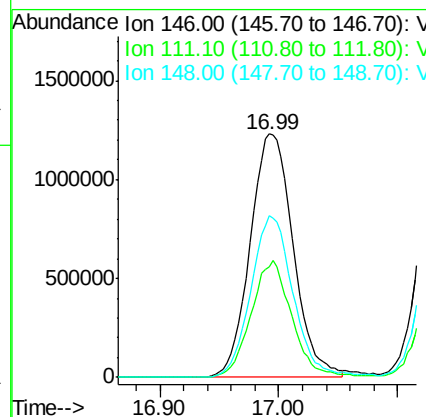
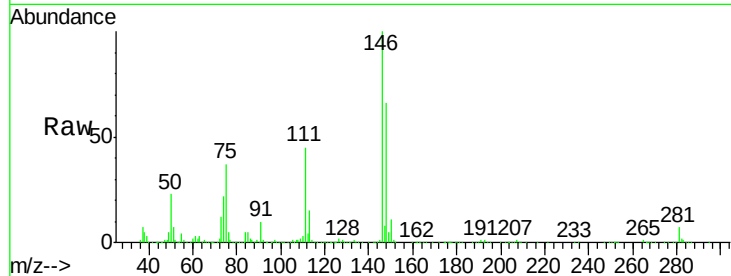
#75
 1,3-Dichlorobenzene
 Concen: 8.697 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion:146 Resp: 3077042
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.8 68.3
 148 65.4 32.1 96.5

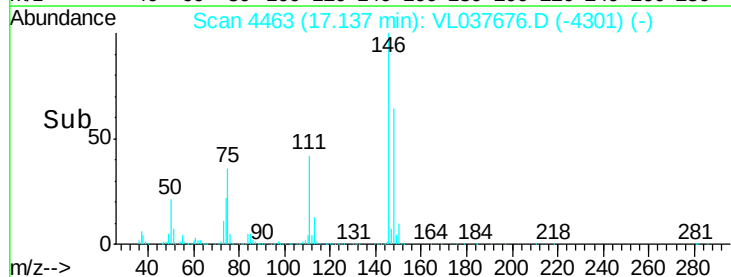
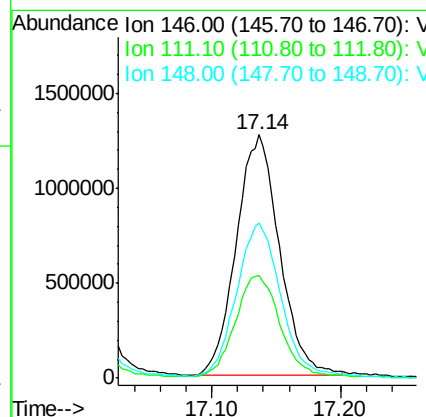
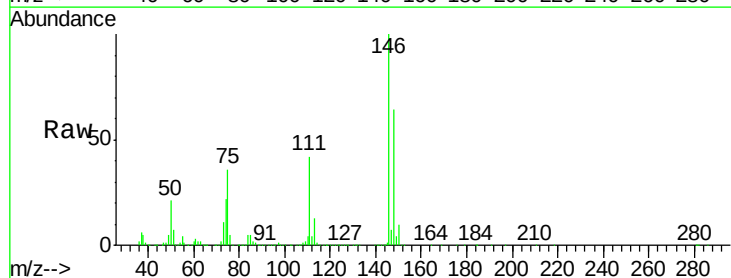
Manual Integrations
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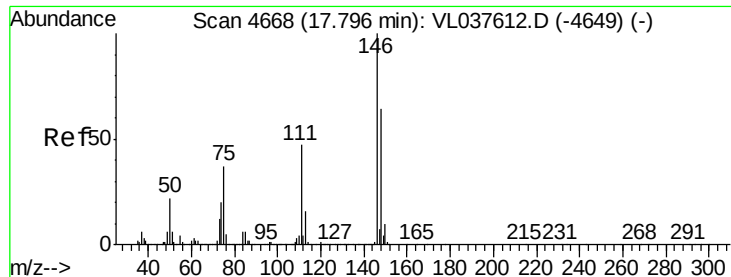
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#76
 1,4-Dichlorobenzene
 Concen: 8.463 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Tgt Ion:146 Resp: 2953311
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.5 67.5
 148 67.0 32.9 98.6





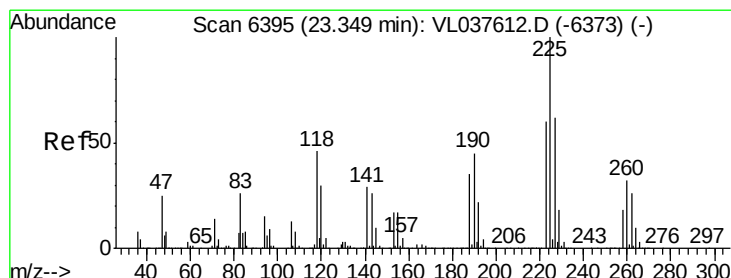
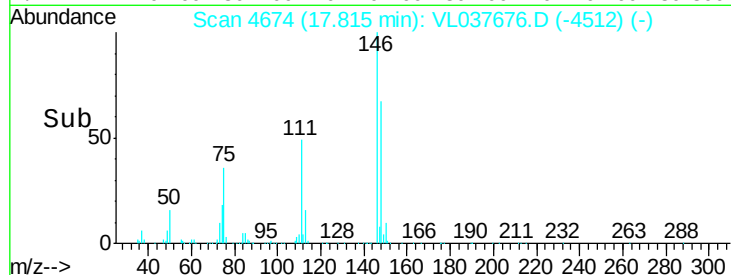
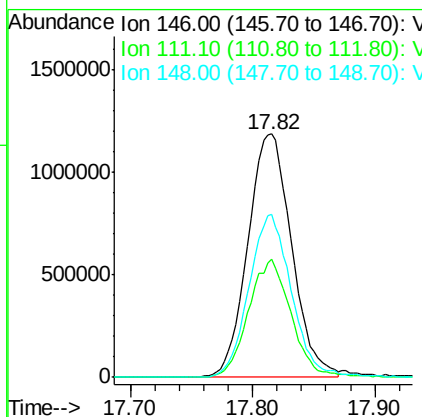
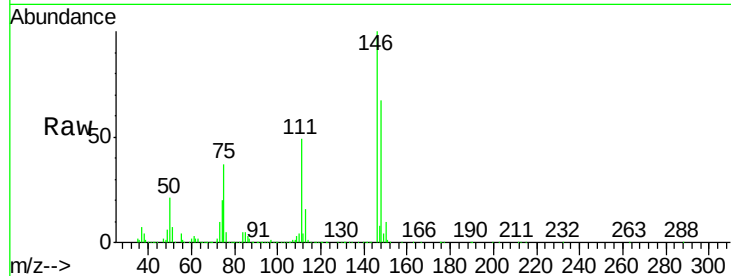
#77
 1,2-Dichlorobenzene
 Concen: 8.752 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion:146 Resp: 2937088
 Ion Ratio Lower Upper
 146 100
 111 47.3 24.0 72.0
 148 65.1 32.8 98.3

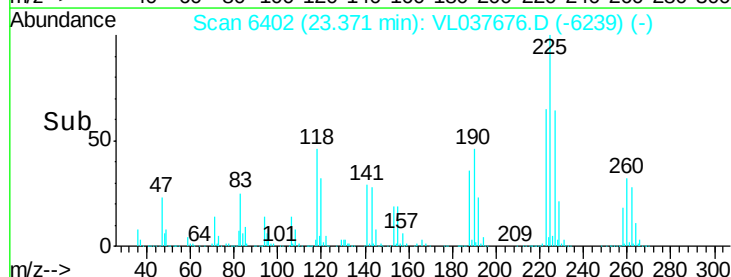
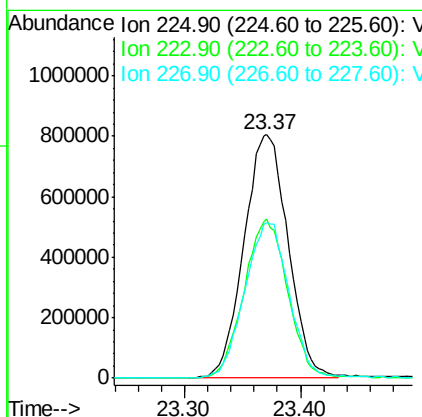
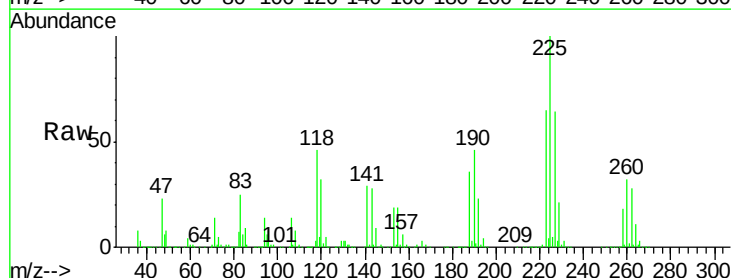
Manual Integrations
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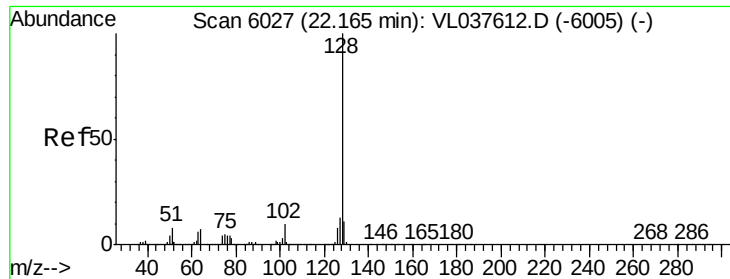
MMDadoda
 10/1/2021 11:04:48 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.548 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. 0.02 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Tgt Ion:225 Resp: 2132046
 Ion Ratio Lower Upper
 225 100
 223 64.9 51.1 76.7
 227 64.8 52.2 78.4





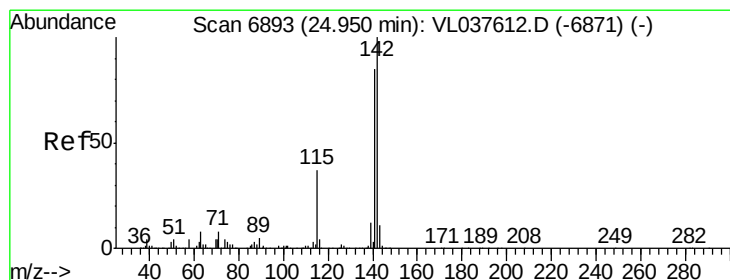
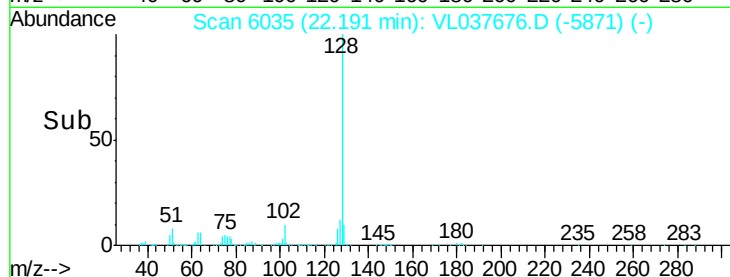
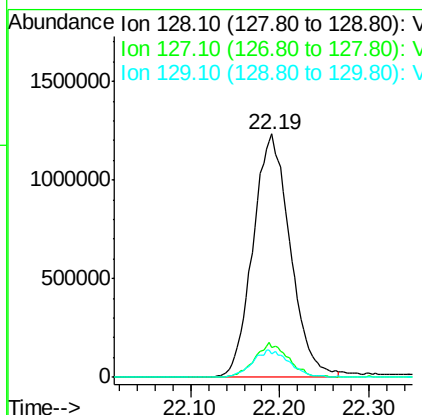
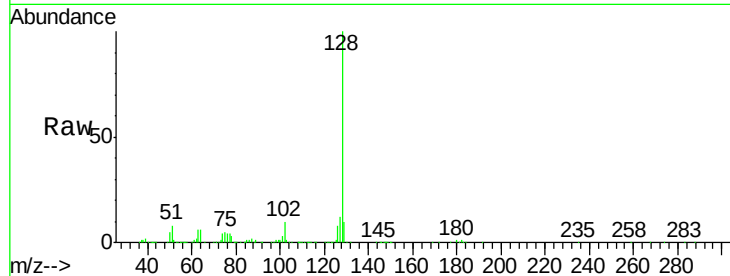
#79
Naphthalene
Concen: 10.239 ppbv
RT: 22.19 min Scan# 6035
Delta R.T. 0.03 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.6	16.0
129	9.7	8.6	12.8

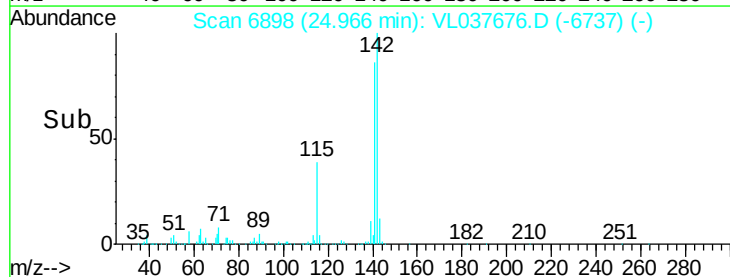
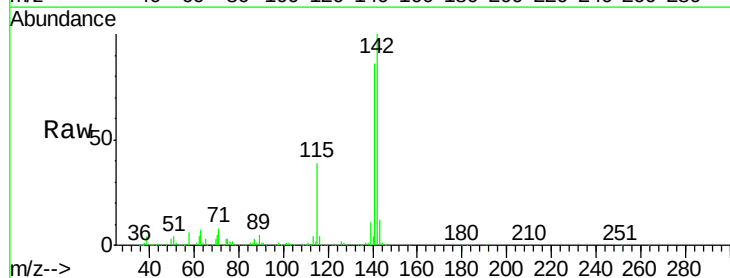
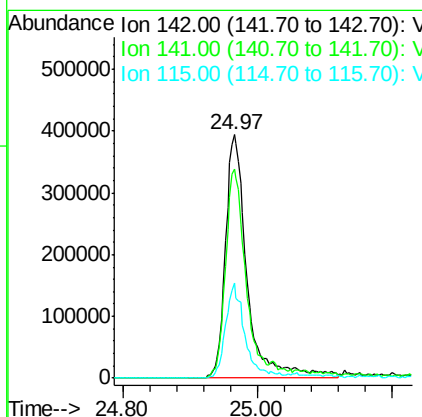
Manual Integrations
APPROVED

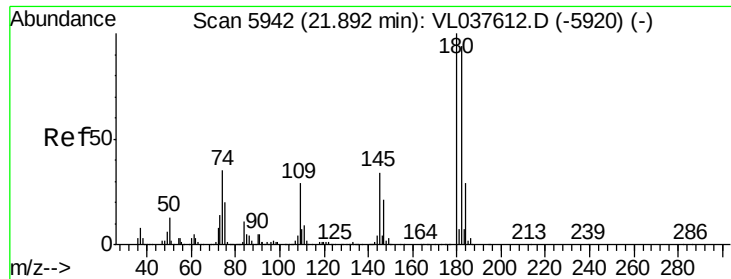
MMDadoda
10/1/2021 11:04:48 AM



#80
Naphthalene, 2-methyl-
Concen: 11.139 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. 0.02 min
Lab File: VL037676.D
Acq: 27 Sep 2021 11:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.1	70.9	106.3
115	35.8	29.6	44.4





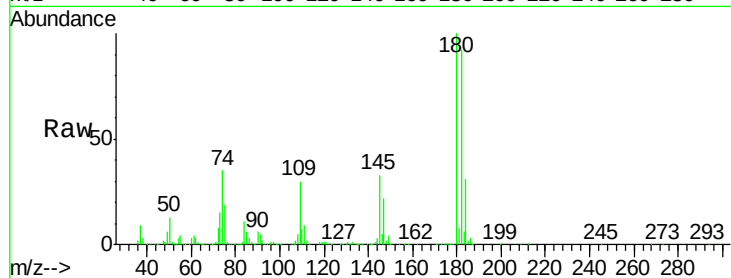
#81
 1,2,4-Trichlorobenzene
 Concen: 9.569 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. 0.03 min
 Lab File: VL037676.D
 Acq: 27 Sep 2021 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	78.9	118.3
184	31.8	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 10/1/2021 11:04:48 AM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

