

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
 Data File : VL037769.D
 Acq On : 5 Oct 2021 11:28
 Operator : SY/AP
 Sample : VL1005ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1005ABS01

Manual Integrations
 APPROVED

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 10/11/2021 7:35:58 PM

Quant Time: Oct 06 05:39:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 06 05:39:11 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1364736	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	4056193	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3658931m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2699830	10.55	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	2676136	12.277	ppbv	100
3) Chlorodifluoromethane	2.98	51	2429643	9.265	ppbv	98
4) Chloromethane	3.13	50	902031	9.392	ppbv	93
5) Vinyl Chloride	3.25	62	913569	10.376	ppbv	99
6) Bromomethane	3.47	94	446019	9.365	ppbv	98
7) Chloroethane	3.55	64	295897	9.140	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2079483	9.651	ppbv	99
9) Propene	3.00	41	881756	9.139	ppbv	99
10) Heptane	8.11	43	2224836	10.153	ppbv	99
11) Trichlorofluoromethane	3.94	101	1902005	9.780	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1438239	9.760	ppbv	99
13) Ethanol	3.60	45	80485m	10.200	ppbv	
14) Bromoethene	3.73	108	656480	10.132	ppbv	94
15) Acetone	3.84	43	1122324	9.161	ppbv	97
16) 1,3-Butadiene	3.32	39	890512	9.990	ppbv	99
17) tert-Butyl alcohol	4.28	59	1202264	9.528	ppbv	99
18) 1,1-Dichloroethene	4.28	96	646842	9.659	ppbv	98
19) Isopropyl Alcohol	3.95	45	695780	9.129	ppbv	# 95
20) Methylene Chloride	4.33	84	536588	8.668	ppbv	98
21) Allyl Chloride	4.40	41	990700	9.128	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	668321	9.926	ppbv	97
23) Vinyl Acetate	5.06	43	1916809	10.440	ppbv	# 96
24) 1,1-Dichloroethane	5.00	63	1346710	10.077	ppbv	99
25) Ethyl Acetate	5.66	43	3471548	10.098	ppbv	98
26) Hexane	5.67	57	1631003	9.635	ppbv	99
27) Carbon Disulfide	4.54	76	1624082	10.825	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1395773	9.903	ppbv	99
29) Chloroform	5.74	83	2318099	9.580	ppbv	98
30) Cyclohexane	7.11	84	1412141	9.837	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1505551	9.797	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2245619	9.789	ppbv	99
34) 2-Butanone	5.23	43	1529580	9.341	ppbv	100
35) Carbon Tetrachloride	7.01	117	2339057	10.154	ppbv	98
36) Benzene	6.87	78	3421718	9.876	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1589518	9.744	ppbv	100
38) Trichloroethene	7.82	130	1330508	9.721	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1287056	9.876	ppbv	96
40) 1,4-Dioxane	7.82	88	331623m	10.170	ppbv	
41) Tetrahydrofuran	6.03	42	810967	10.114	ppbv	99
42) Bromodichloromethane	7.77	83	2494385	10.410	ppbv	100
43) Methyl Methacrylate	8.00	69	1227690	10.849	ppbv	100

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 VL1005ABS01

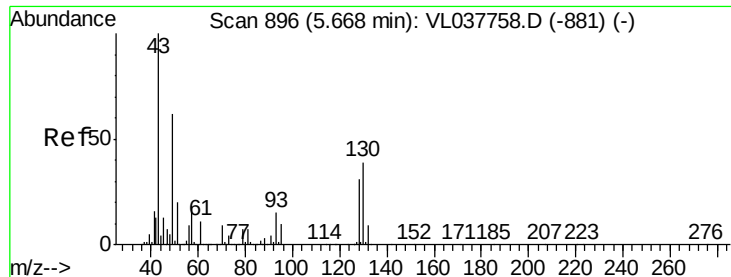
Manual Integrations
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 10/11/2021 7:35:58 PM

Quant Time: Oct 06 05:39:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5676389	9.752	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	816214	10.483	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1121064	10.388	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1386338	9.786	ppbv	98
48) Dibromochloromethane	10.28	129	2223121	11.008	ppbv	99
49) Bromoform	13.02	173	1943568	12.578	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	2255261	10.580	ppbv	99
51) 2-Hexanone	10.12	43	1013899	10.654	ppbv #	96
52) Tetrachloroethene	11.21	164	1267433	9.403	ppbv	98
53) Toluene	9.79	91	3987076	10.384	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1967955	10.284	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1550928	10.239	ppbv	98
57) Chlorobenzene	12.13	112	2965968	9.881	ppbv	98
58) Ethyl Benzene	12.69	91	5248890	10.683	ppbv	99
59) m/p-Xylene	12.98	91	8690267m	20.605	ppbv	
60) o-Xylene	13.67	91	4139769	10.242	ppbv	98
61) Styrene	13.51	104	2356660	12.054	ppbv	99
62) Isopropylbenzene	14.64	105	5736318	10.175	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2982252	9.562	ppbv	99
64) n-propylbenzene	15.54	120	1549635	11.023	ppbv	92
65) tert-Butylbenzene	16.72	119	5075481	10.231	ppbv	99
66) Benzyl Chloride	16.96	91	246425m	10.065	ppbv	
67) sec-Butylbenzene	17.27	105	7092775	10.454	ppbv	100
69) p-Isopropyltoluene	17.63	119	6010573	10.957	ppbv	100
70) n-Butylbenzene	18.53	91	5957441	11.432	ppbv	100
71) 2-Chlorotoluene	15.43	91	4373432	10.986	ppbv	98
72) 4-Ethyltoluene	15.82	105	5047970	10.999	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4568892	10.960	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4657141	10.639	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2869677	10.581	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2828432	10.932	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	2783604	10.684	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2076040	9.759	ppbv	99
79) Naphthalene	22.16	128	3409909	12.719	ppbv	98
80) Naphthalene,2-methyl-	24.95	142	839421	11.661	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	2040640	11.901	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

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Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 49 Resp: 1364736

Ion Ratio Lower Upper

49 100

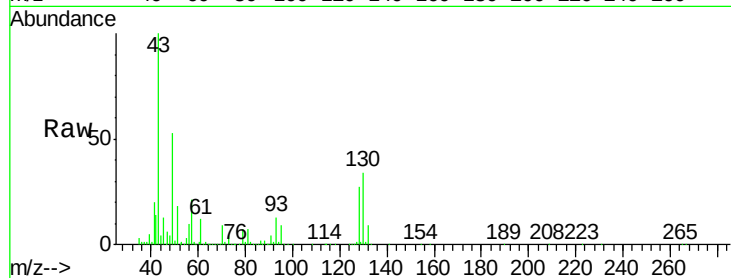
128 55.6 27.1 81.3

130 68.1 33.2 99.6

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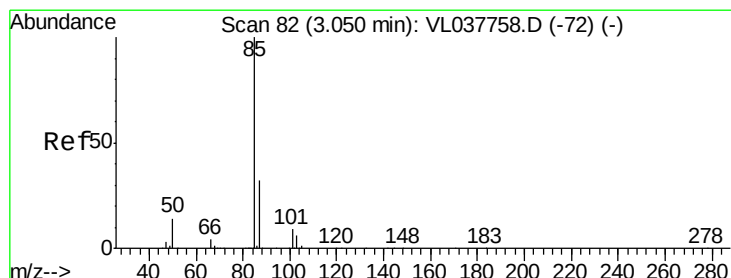
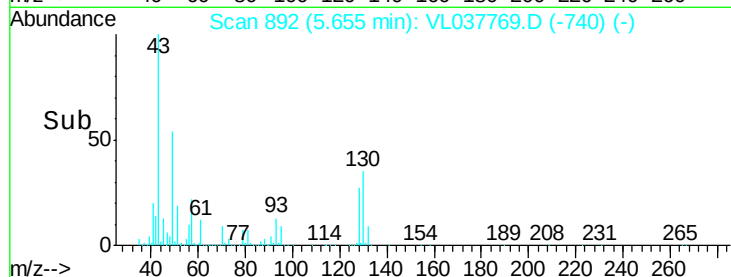
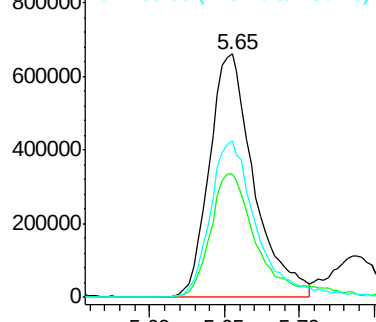
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 12.277 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL037769.D

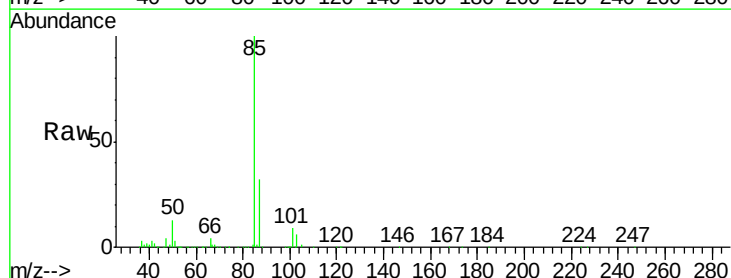
Acq: 5 Oct 2021 11:28

Tgt Ion: 85 Resp: 2676136

Ion Ratio Lower Upper

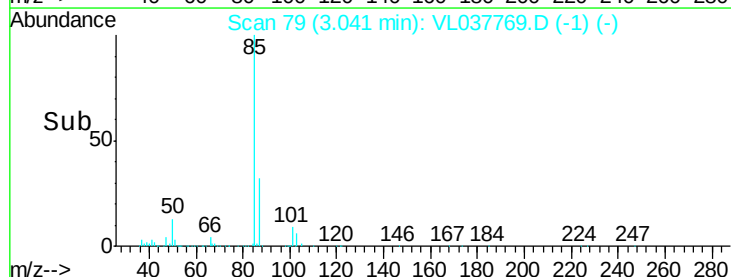
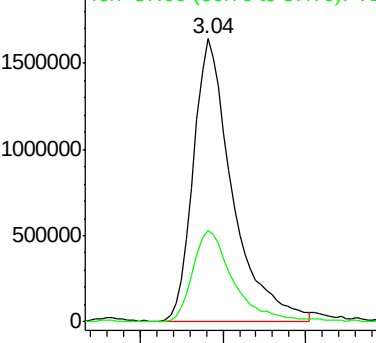
85 100

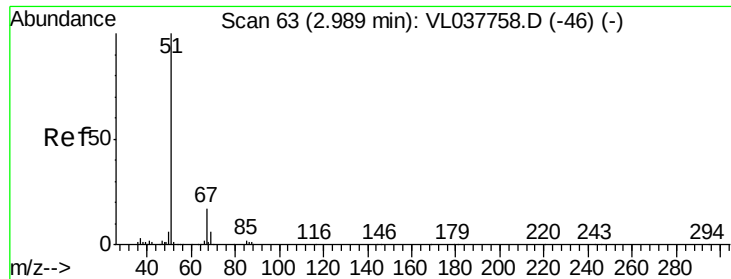
87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.265 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 51 Resp: 2429643

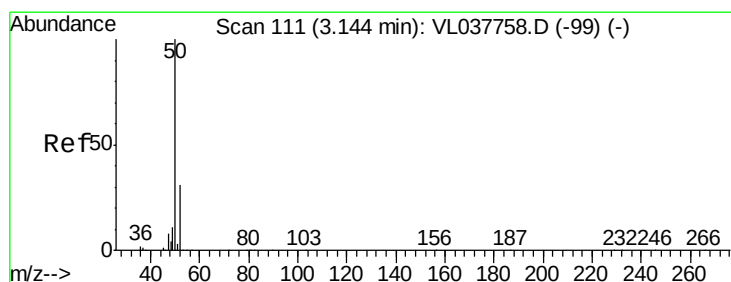
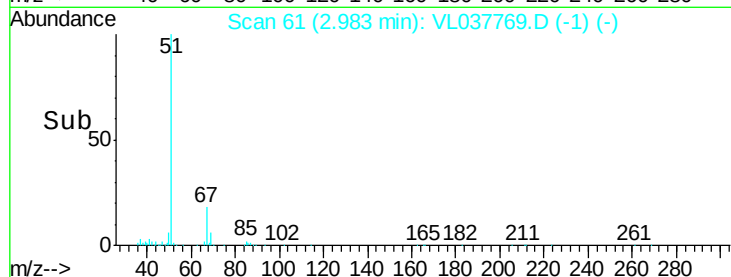
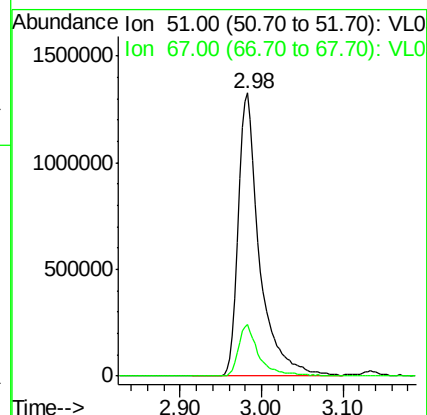
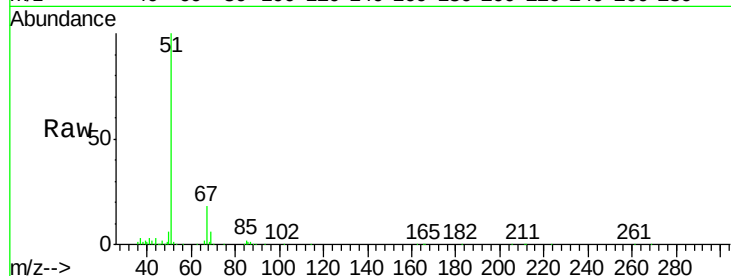
Ion Ratio Lower Upper

51 100

67 17.8 13.5 20.3

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#4

Chloromethane

Concen: 9.392 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037769.D

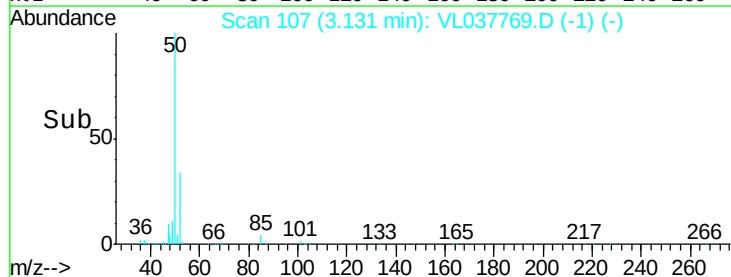
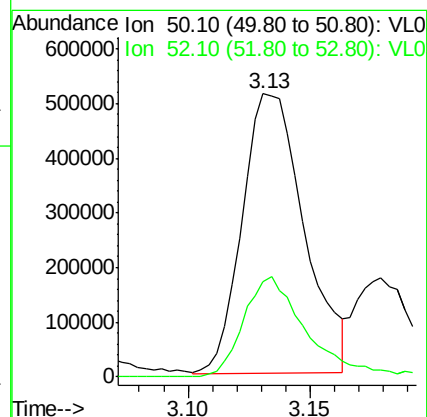
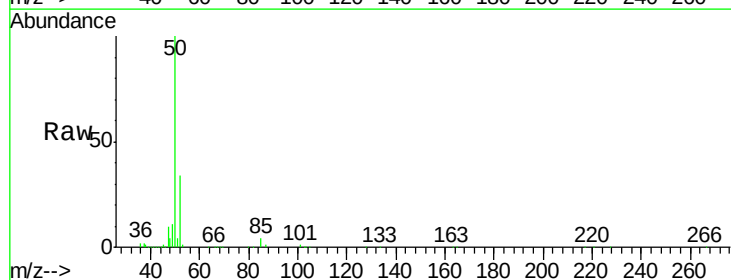
Acq: 5 Oct 2021 11:28

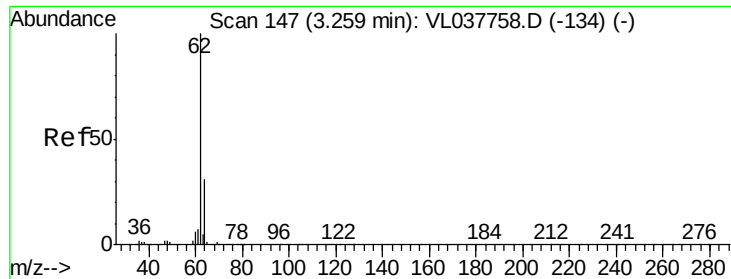
Tgt Ion: 50 Resp: 902031

Ion Ratio Lower Upper

50 100

52 34.1 24.4 36.6





#5

Vinyl Chloride

Concen: 10.376 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 62 Resp: 913569

Ion Ratio Lower Upper

62 100

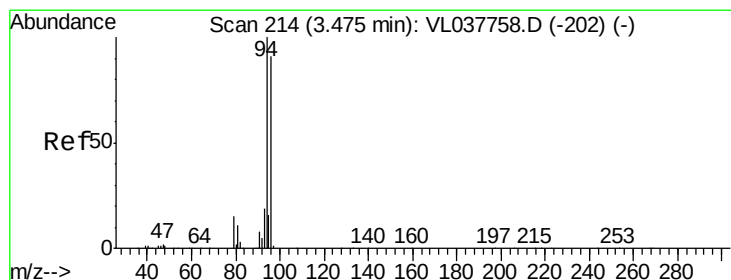
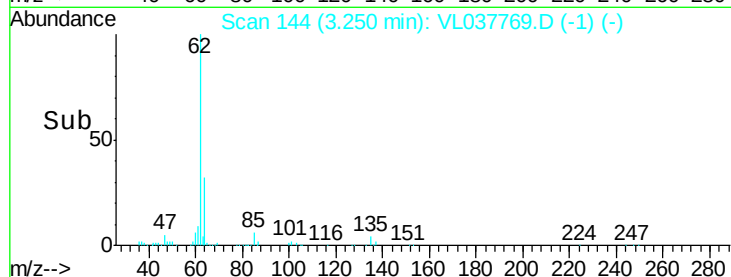
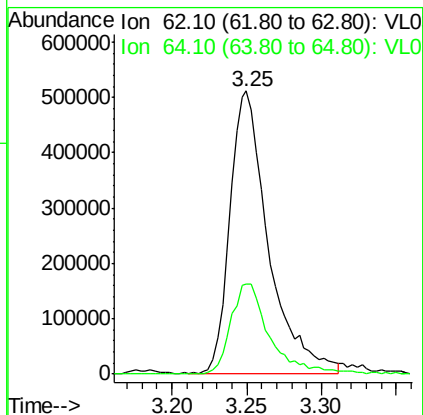
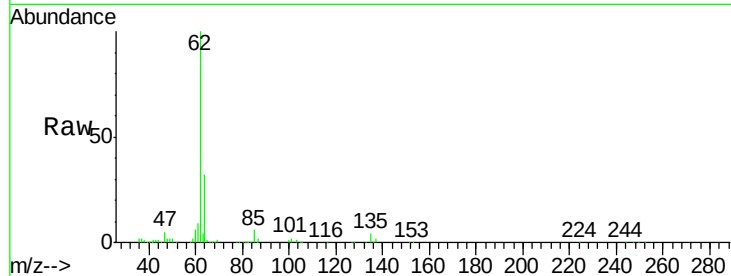
64 31.8 24.9 37.3

Manual Integrations

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#6

Bromomethane

Concen: 9.365 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL037769.D

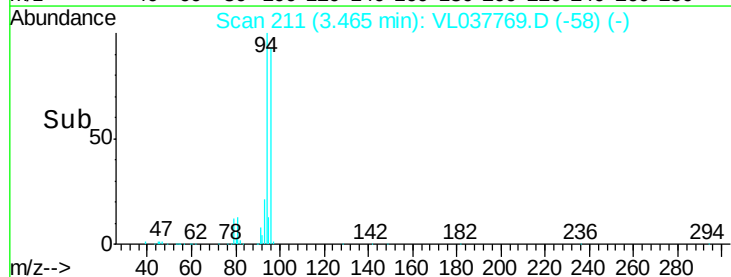
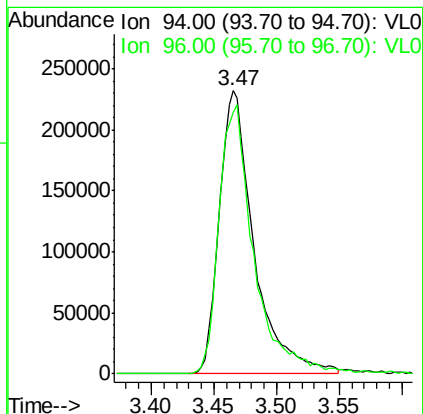
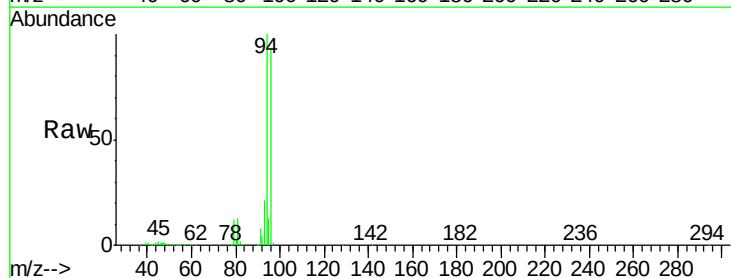
Acq: 5 Oct 2021 11:28

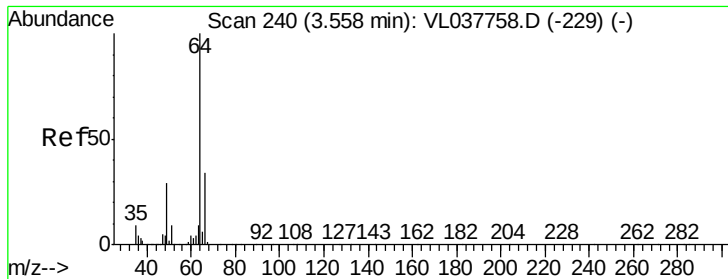
Tgt Ion: 94 Resp: 446019

Ion Ratio Lower Upper

94 100

96 92.6 72.5 108.7





#7

Chloroethane

Concen: 9.140 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 64 Resp: 295897

Ion Ratio Lower Upper

64 100

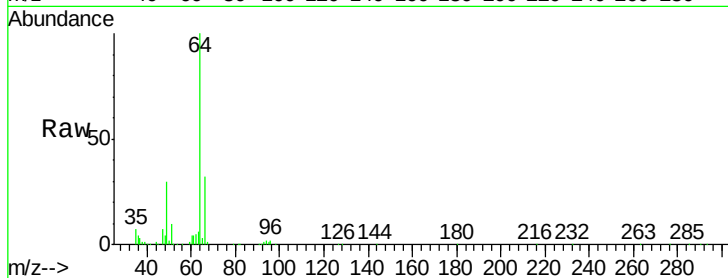
66 32.0 27.5 41.3

Manual Integrations

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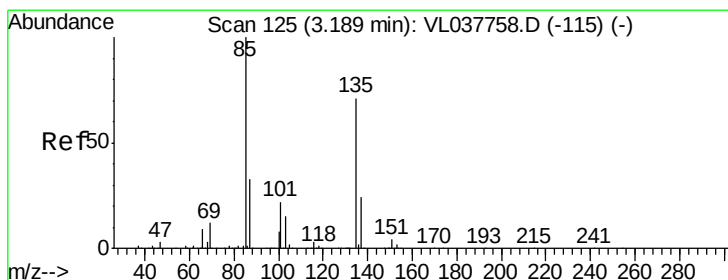
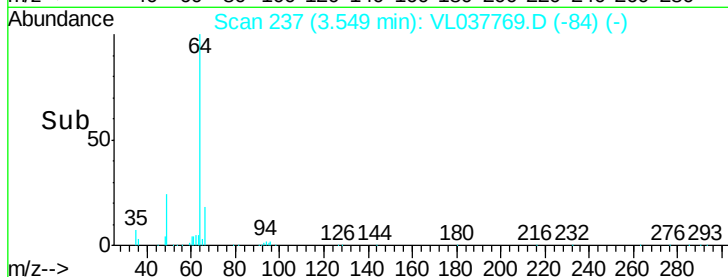
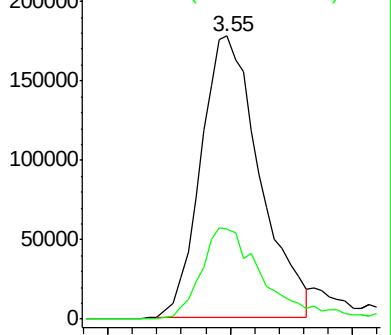
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.651 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL037769.D

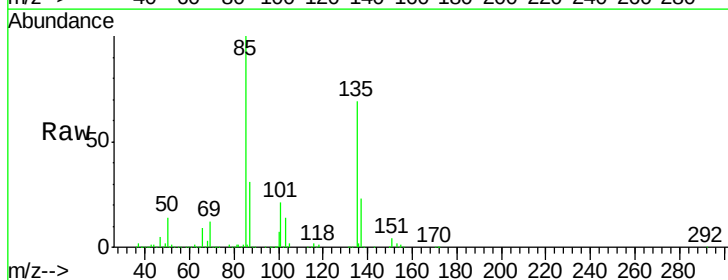
Acq: 5 Oct 2021 11:28

Tgt Ion: 85 Resp: 2079483

Ion Ratio Lower Upper

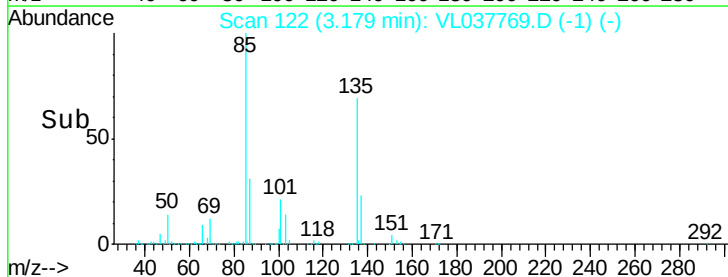
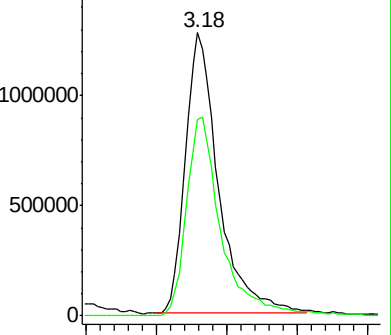
85 100

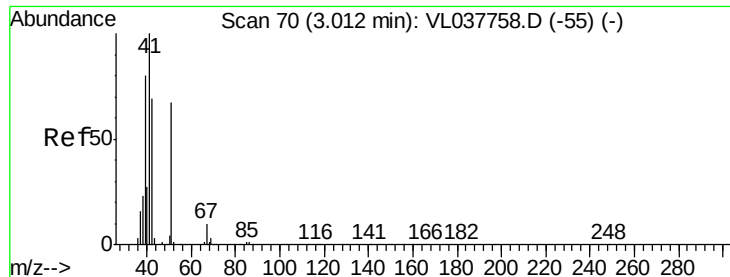
135 74.9 59.5 89.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.139 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 41 Resp: 881756

Ion Ratio Lower Upper

41 100

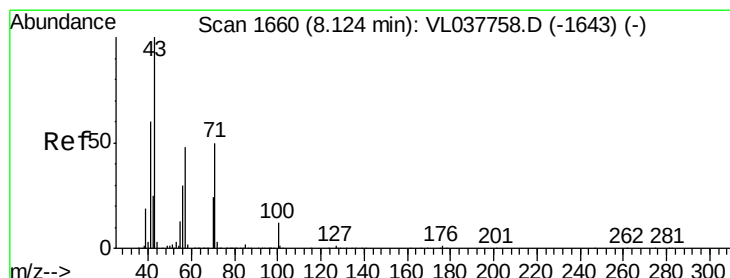
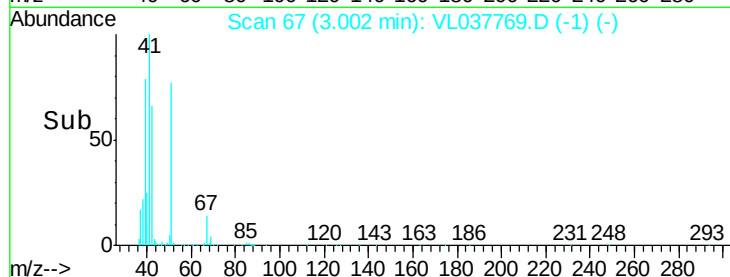
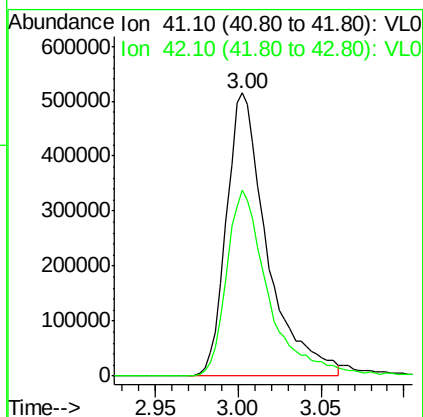
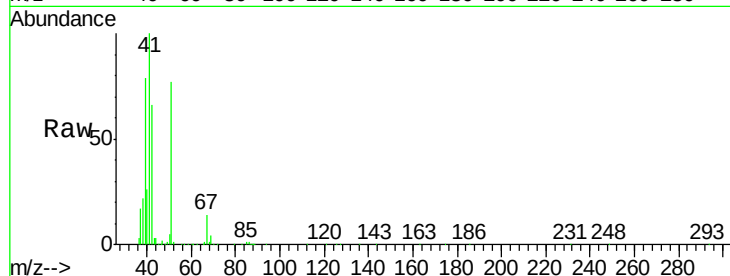
42 68.1 54.2 81.2

Manual Integrations

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#10

Heptane

Concen: 10.153 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL037769.D

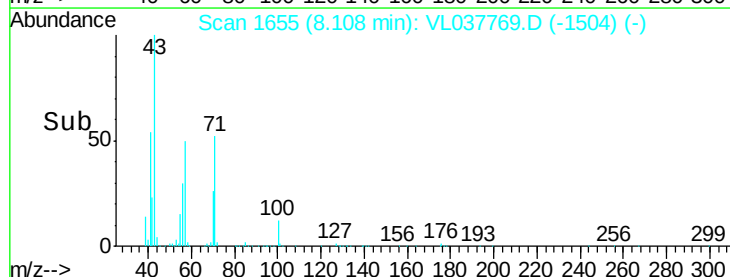
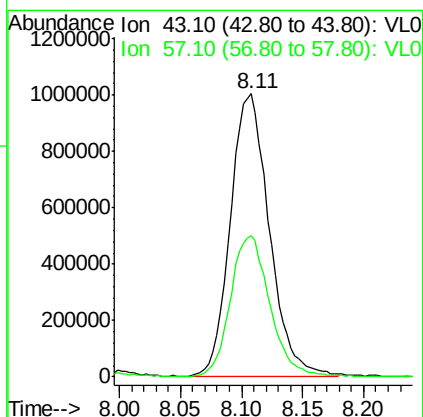
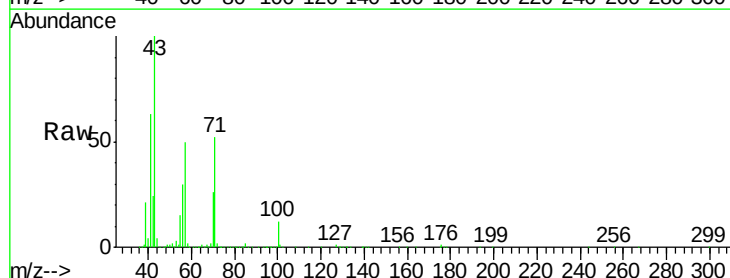
Acq: 5 Oct 2021 11:28

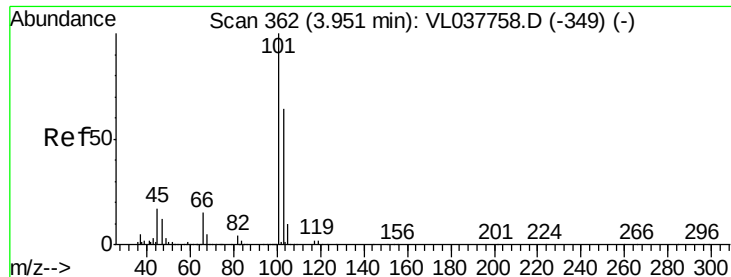
Tgt Ion: 43 Resp: 2224836

Ion Ratio Lower Upper

43 100

57 50.5 40.0 60.0





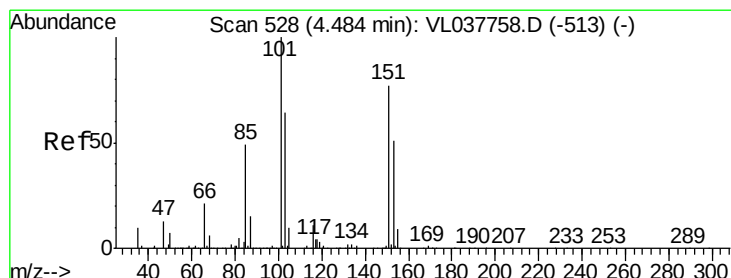
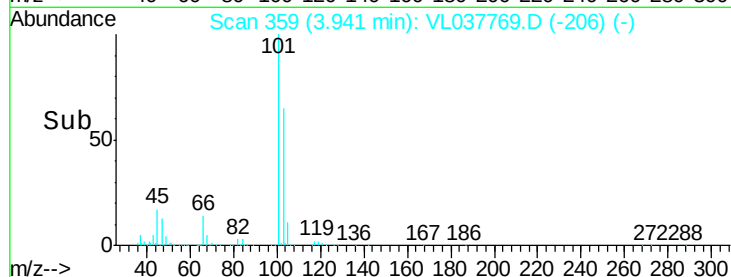
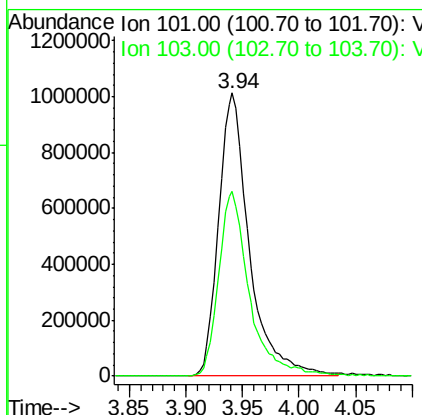
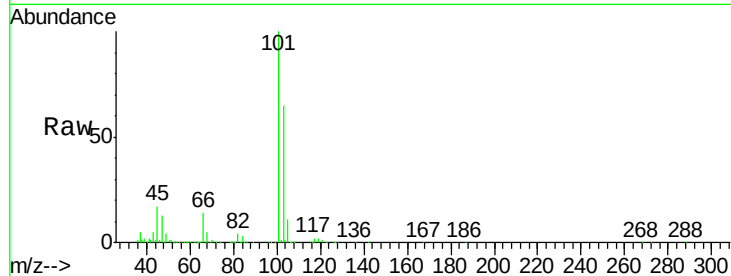
#11
 Trichlorofluoromethane
 Concen: 9.780 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1005ABS01

Tgt Ion:101 Resp: 1902005
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.5 77.3

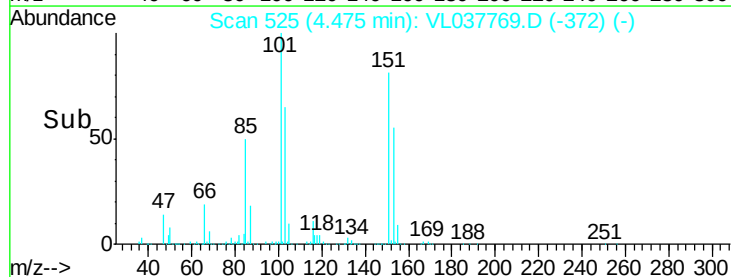
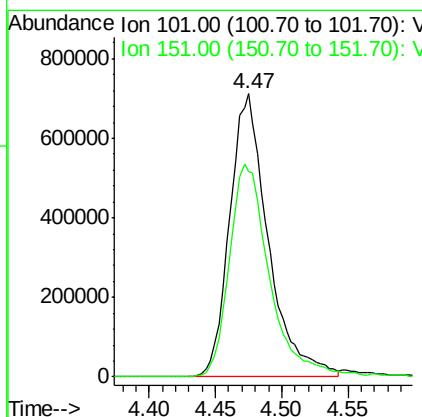
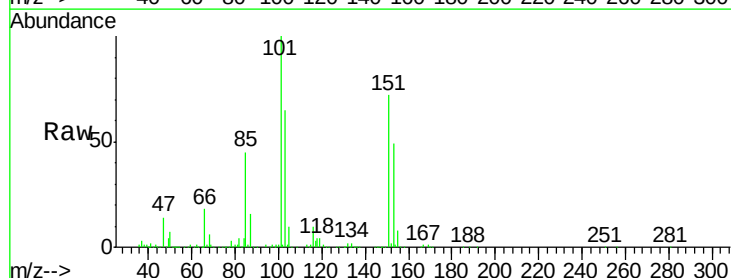
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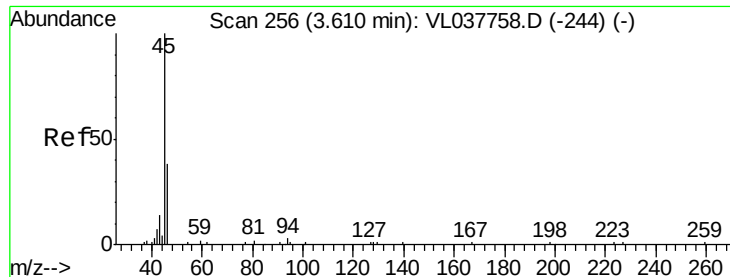
MMDadoda
 10/11/2021 7:35:58 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.760 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Tgt Ion:101 Resp: 1438239
 Ion Ratio Lower Upper
 101 100
 151 79.2 62.9 94.3





#13

Ethanol

Concen: 10.200 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 45 Resp: 80485

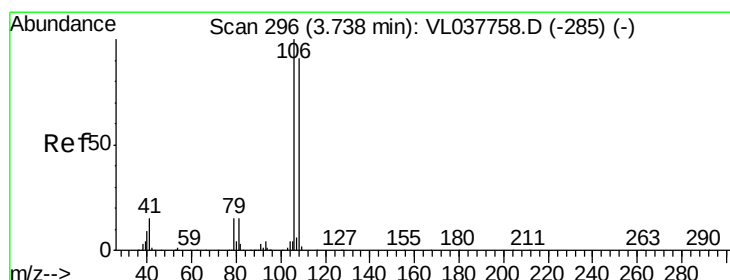
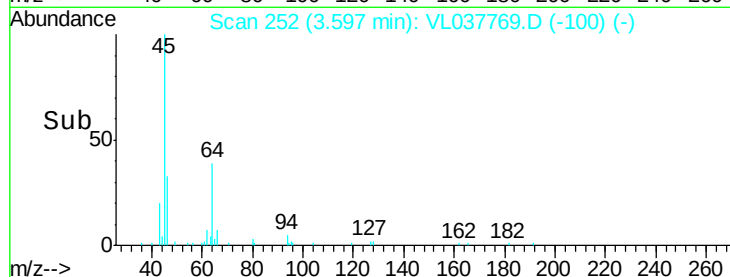
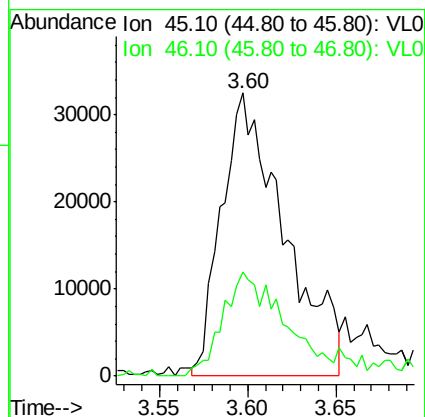
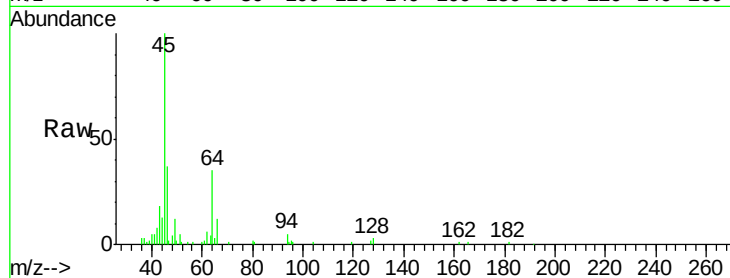
Ion Ratio Lower Upper

45 100

46 38.8 20.2 81.0

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#14

Bromoethene

Concen: 10.132 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

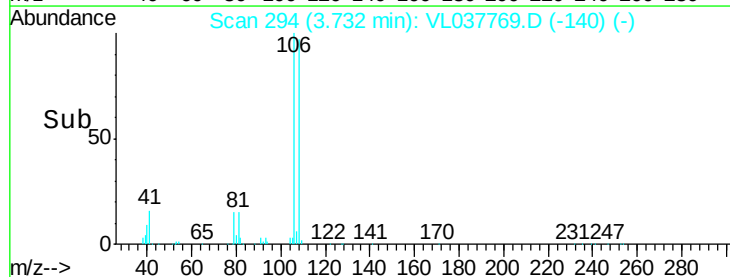
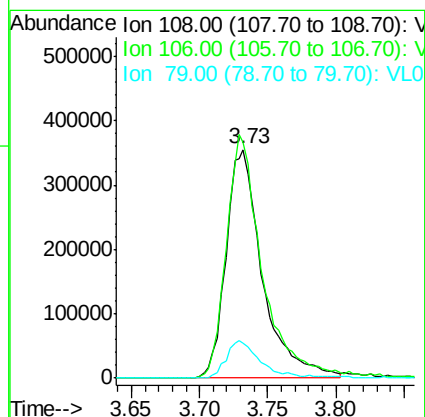
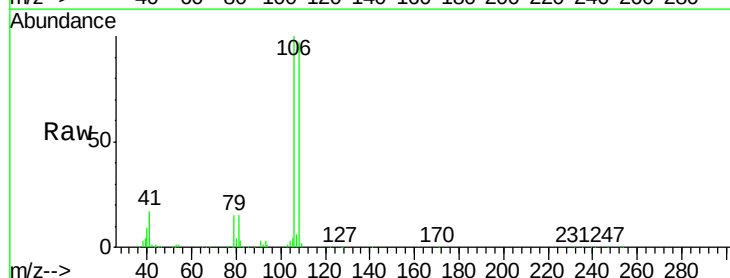
Tgt Ion: 108 Resp: 656480

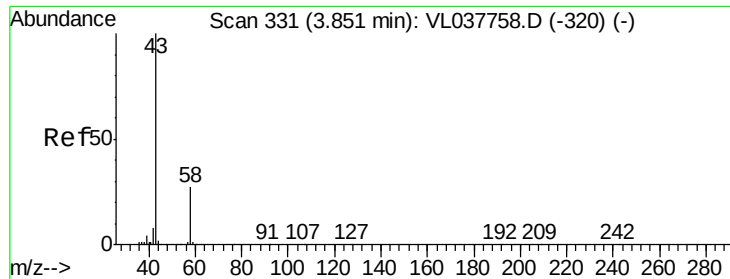
Ion Ratio Lower Upper

108 100

106 107.8 91.9 137.9

79 16.3 13.9 20.9





#15

Acetone

Concen: 9.161 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 43 Resp: 1122324

Ion Ratio Lower Upper

43 100

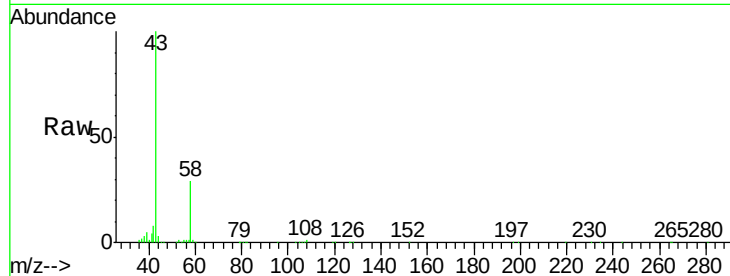
58 30.3 23.0 34.6

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

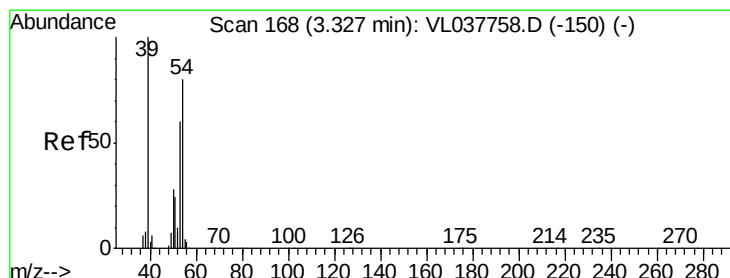
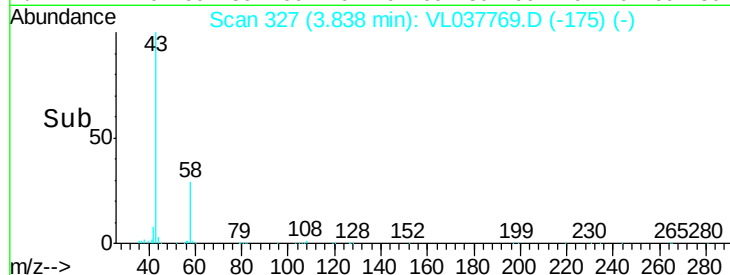
600000

400000

200000

0

Time--> 3.75 3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 9.990 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL037769.D

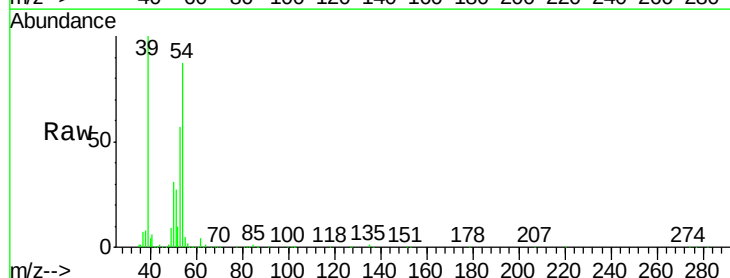
Acq: 5 Oct 2021 11:28

Tgt Ion: 39 Resp: 890512

Ion Ratio Lower Upper

39 100

54 77.6 61.7 92.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

500000

400000

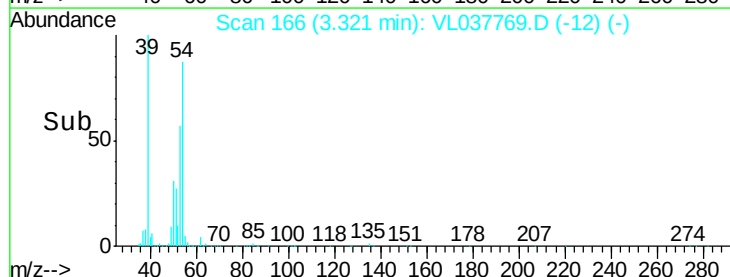
300000

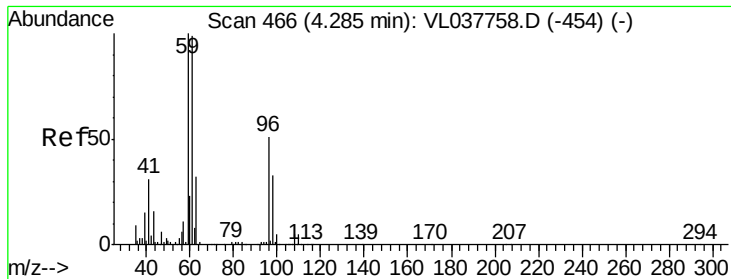
200000

100000

0

Time--> 3.20 3.30 3.40





#17

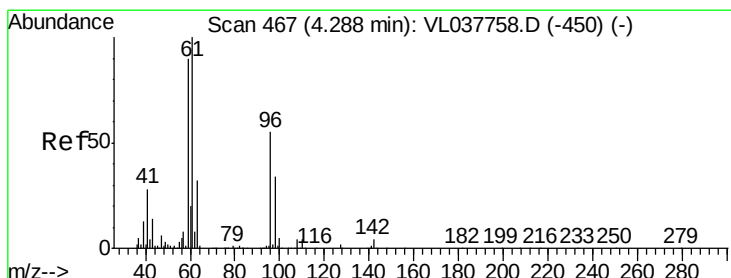
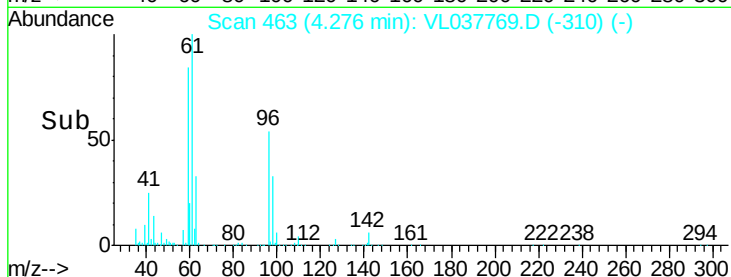
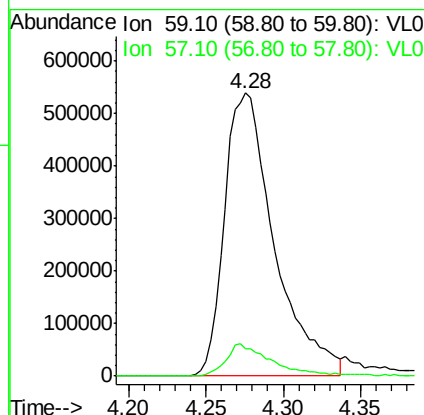
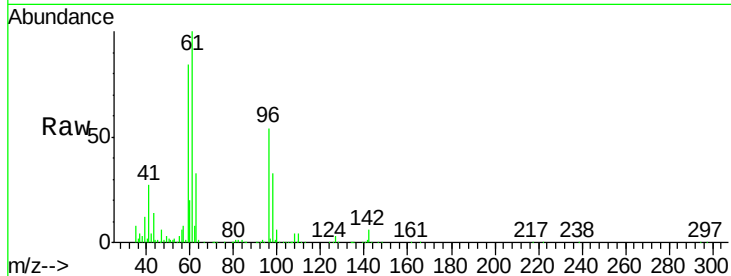
tert-Butyl alcohol
Concen: 9.528 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion: 59 Resp: 1202264
Ion Ratio Lower Upper
59 100
57 11.2 8.6 13.0

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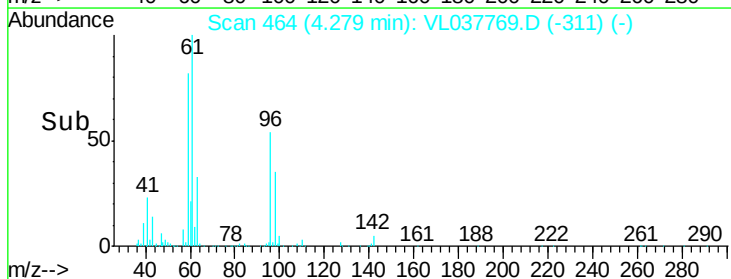
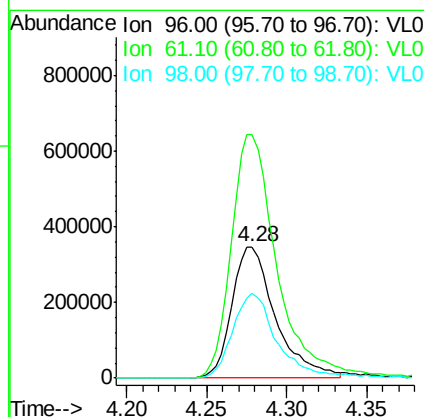
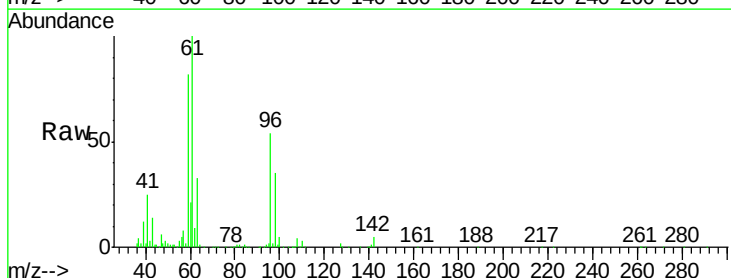
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10/11/2021 7:35:58 PM

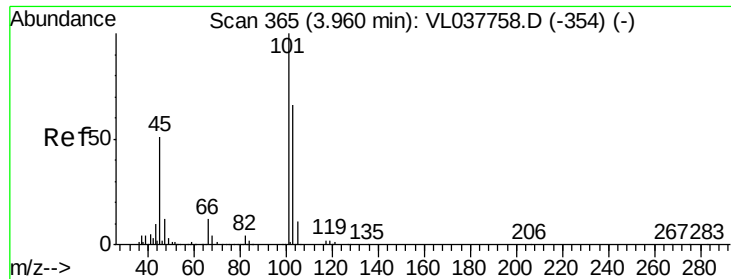


#18

1,1-Dichloroethene
Concen: 9.659 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion: 96 Resp: 646842
Ion Ratio Lower Upper
96 100
61 185.2 146.2 219.4
98 64.7 50.0 75.0





#19

Isopropyl Alcohol

Concen: 9.129 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

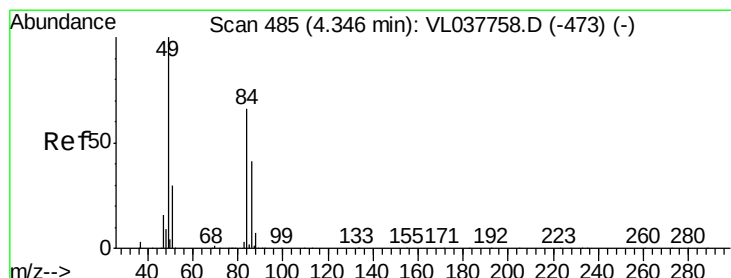
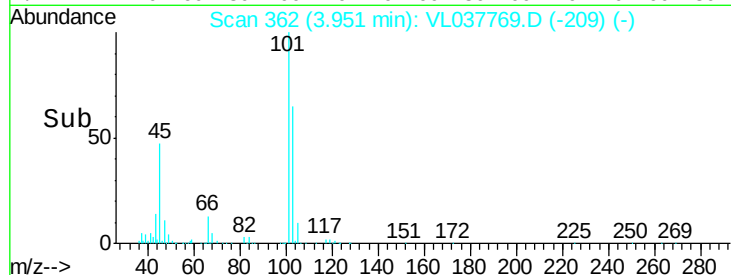
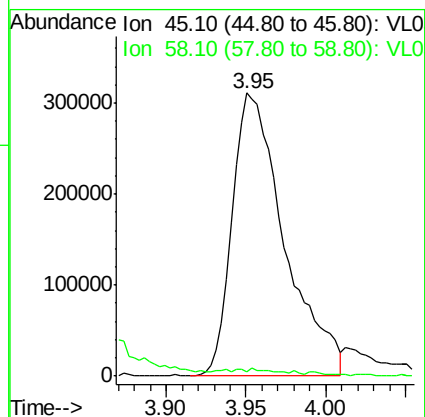
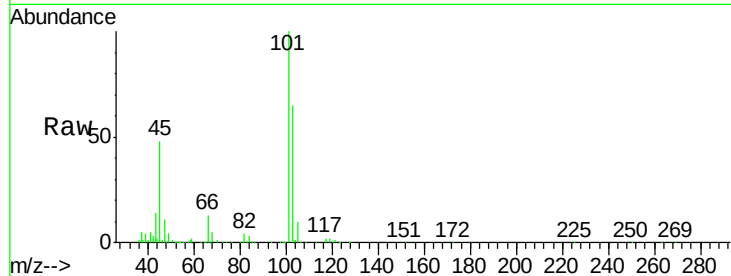
Tgt Ion: 45 Resp: 695780
Ion Ratio Lower Upper

45 100

58 3.5 1.1 1.7#

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#20

Methylene Chloride

Concen: 8.668 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

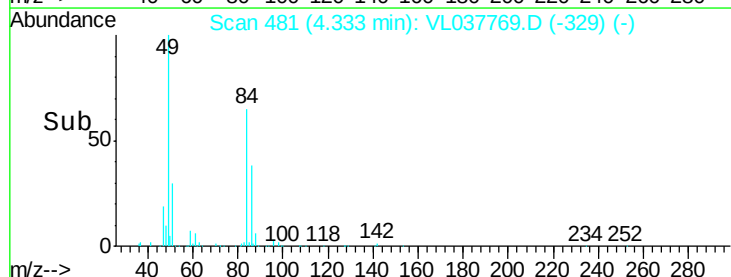
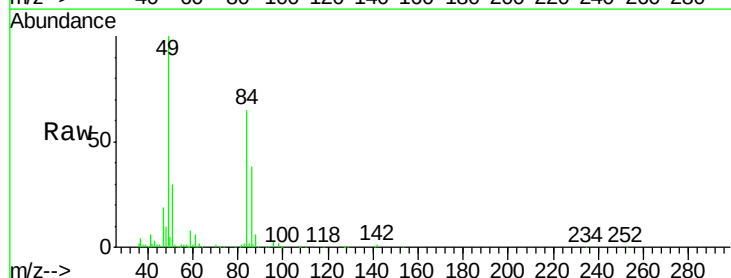
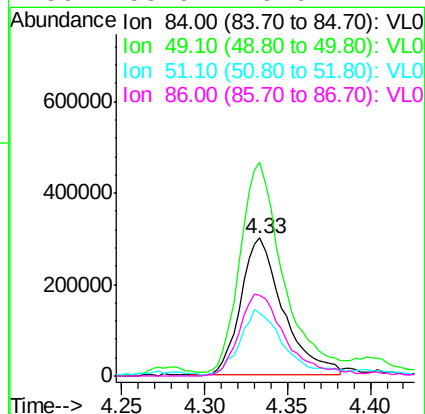
Tgt Ion: 84 Resp: 536588
Ion Ratio Lower Upper

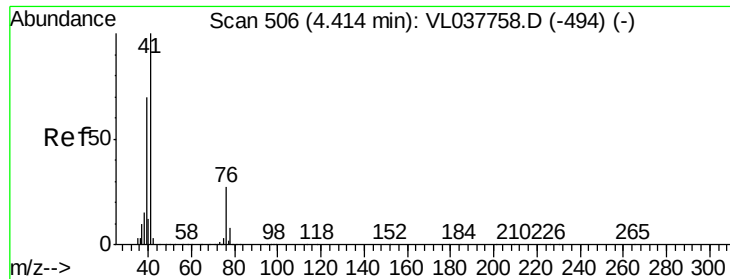
84 100

49 152.4 120.7 181.1

51 44.5 36.2 54.4

86 58.9 49.6 74.4





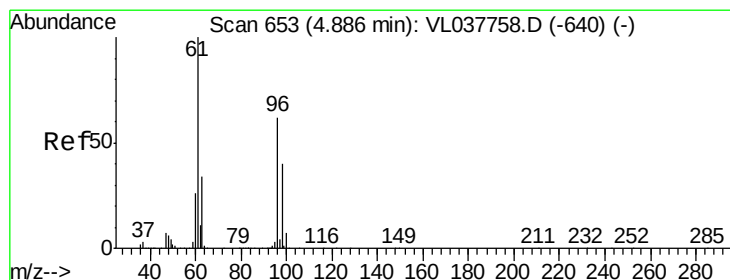
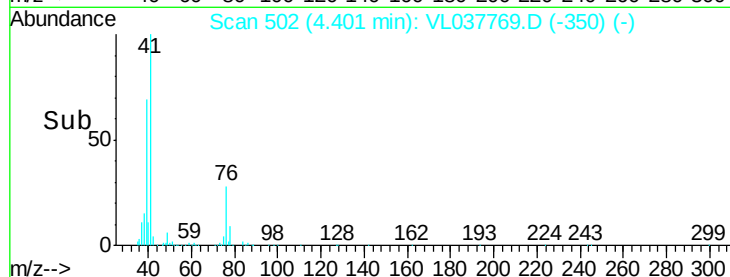
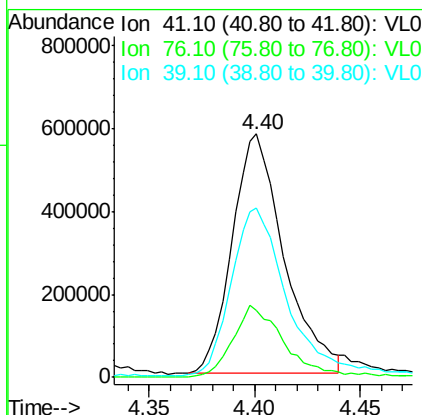
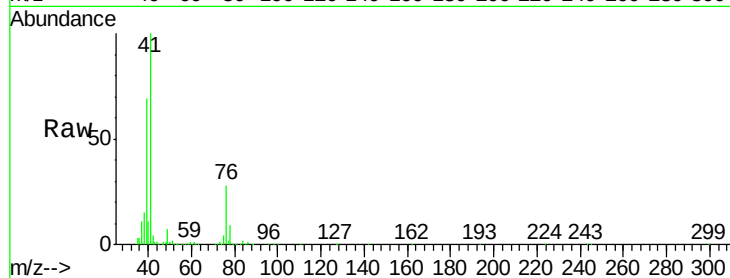
#21
 Allyl Chloride
 Concen: 9.128 ppbv
 RT: 4.40 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1005ABS01

Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.5	22.4	33.6
39	77.3	58.0	87.0

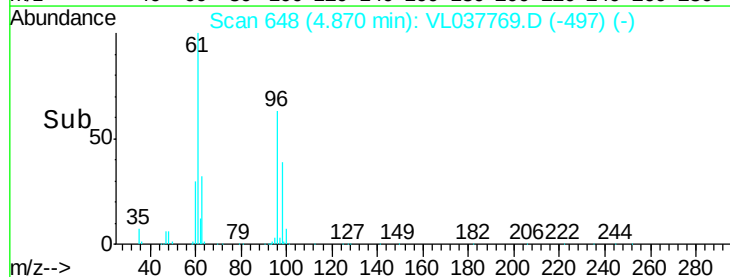
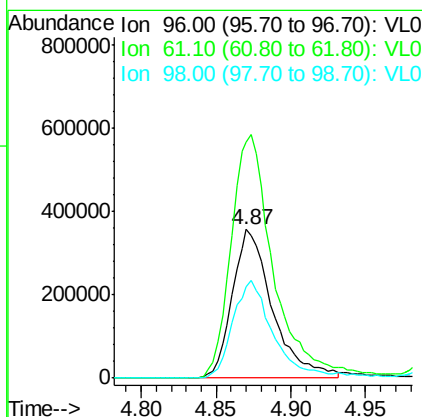
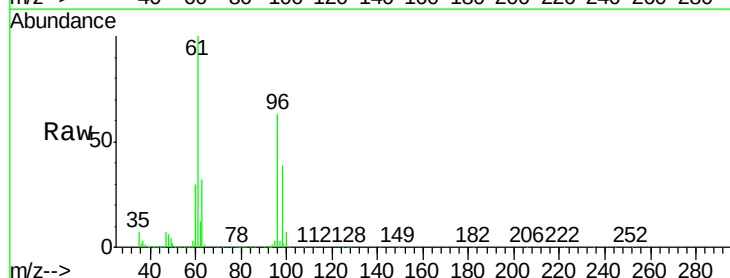
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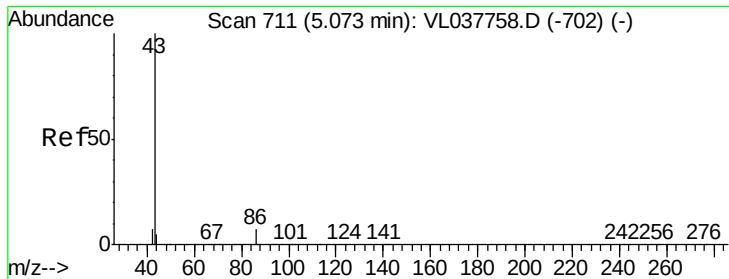
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 9.926 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.02 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.7	129.0	193.6
98	61.2	51.7	77.5





#23

Vinyl Acetate

Concen: 10.440 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.01 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 43 Resp: 1916809

Ion Ratio Lower Upper

43 100

86 8.1 5.0 7.4#

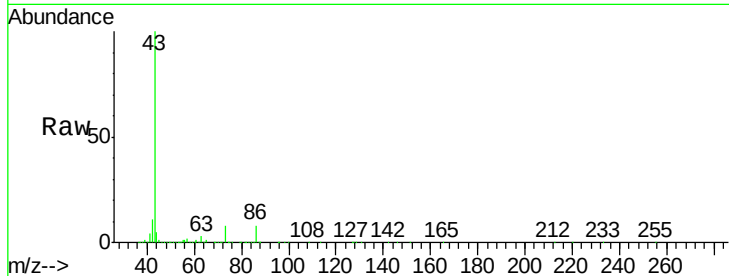
42 10.4 7.4 11.0

44 4.4 3.8 5.6

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10/11/2021 7:35:58 PM

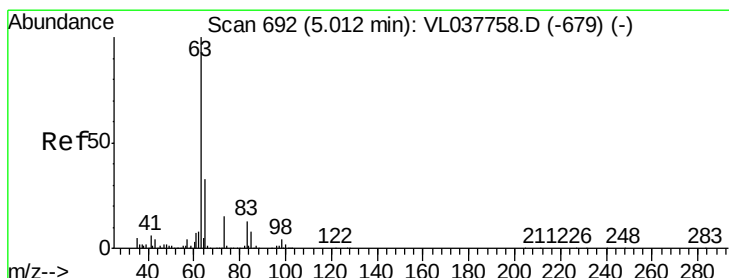
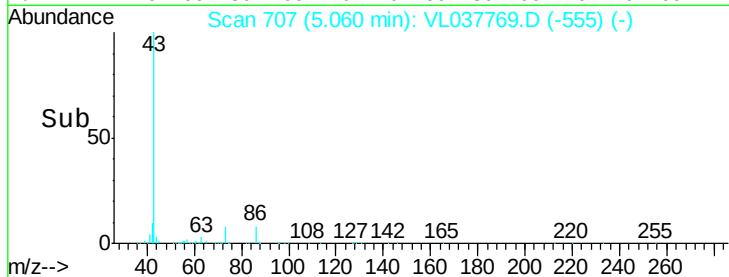
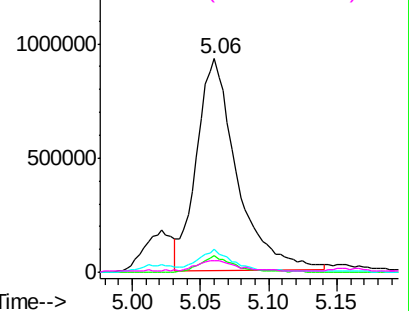


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.077 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

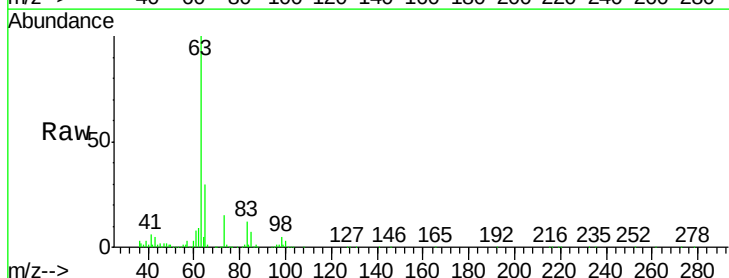
Tgt Ion: 63 Resp: 1346710

Ion Ratio Lower Upper

63 100

98 4.3 2.3 6.9

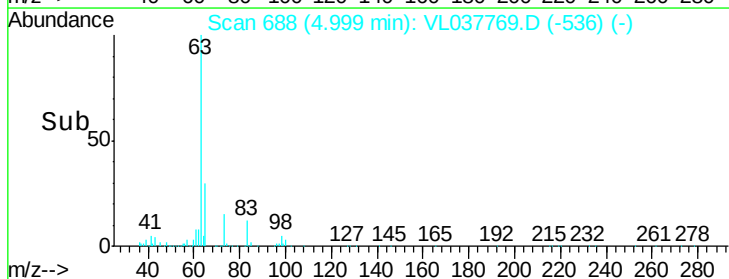
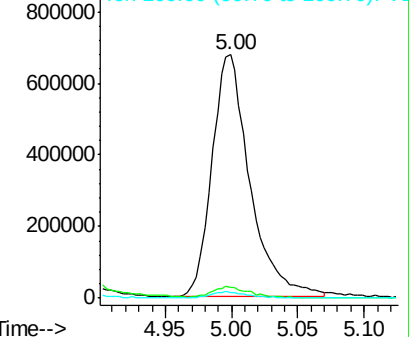
100 2.5 1.1 3.1

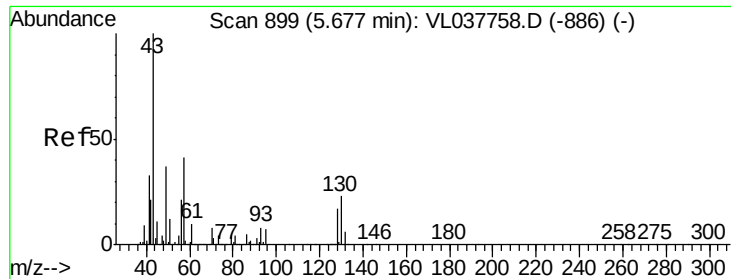


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.098 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 43 Resp: 3471548

Ion Ratio Lower Upper

43 100

45 9.9 8.1 12.1

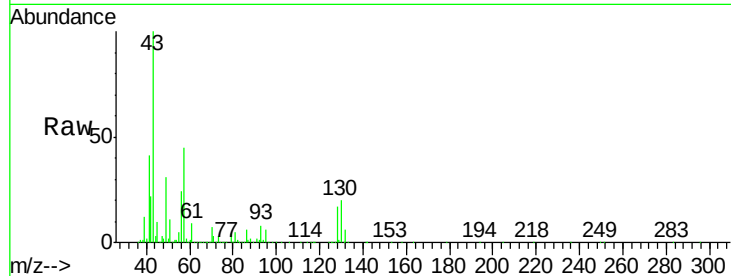
61 10.2 7.5 11.3

70 8.1 5.9 8.9

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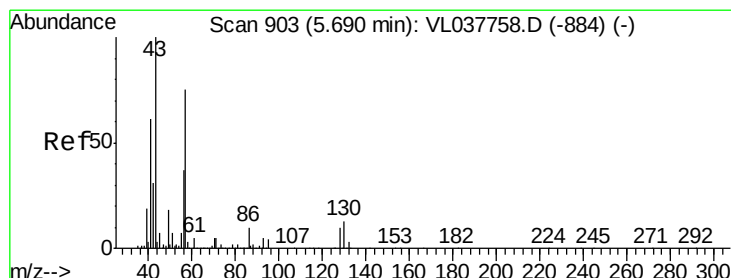
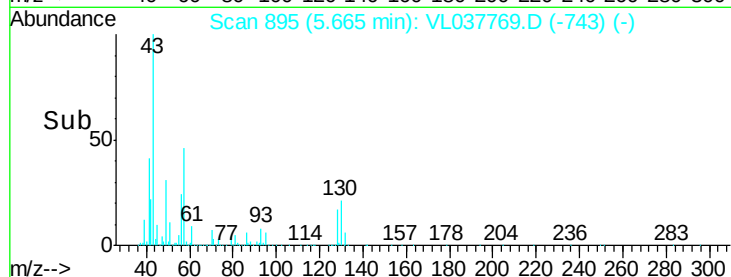
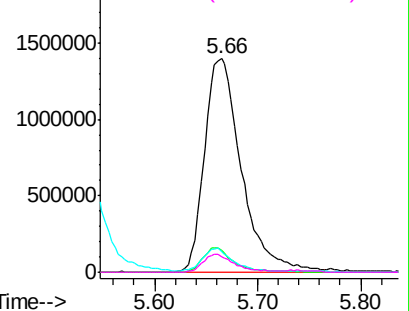


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.635 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.02 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Tgt Ion: 57 Resp: 1631003

Ion Ratio Lower Upper

57 100

41 89.7 69.6 104.4

43 213.9 171.4 257.0

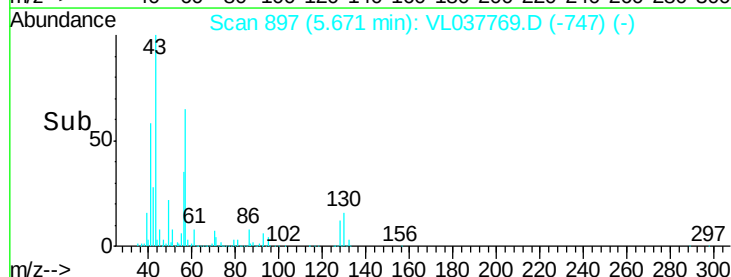
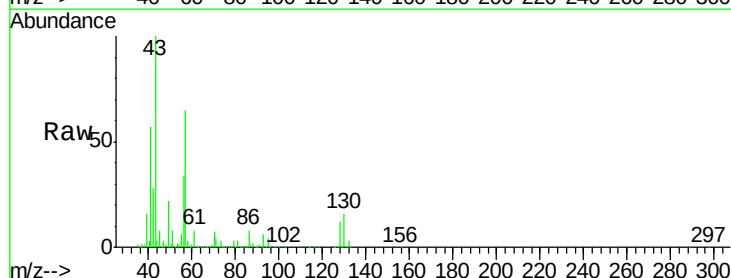
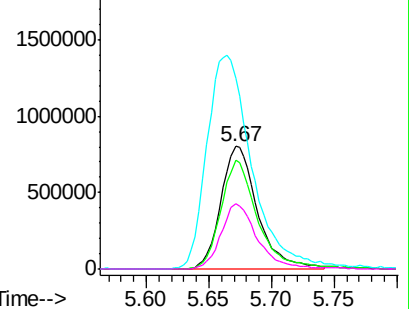
56 53.6 42.0 63.0

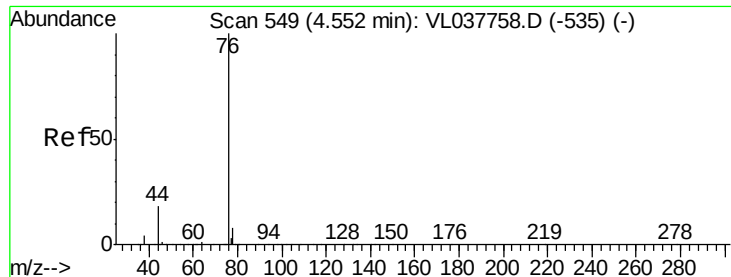
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.825 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 76 Resp: 1624082

Ion Ratio Lower Upper

76 100

44 18.4 14.3 21.5

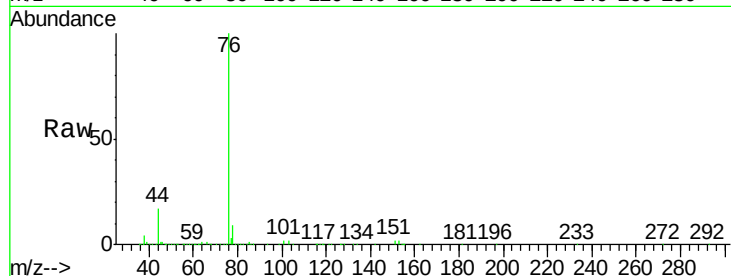
78 9.9 7.8 11.6

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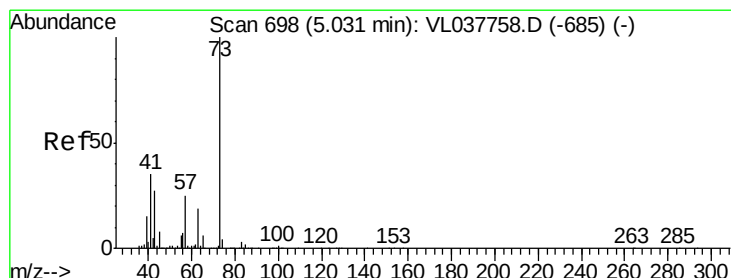
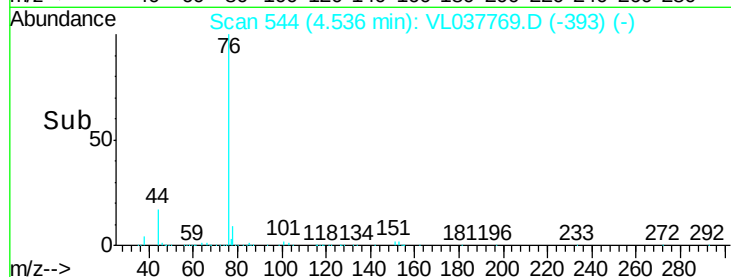
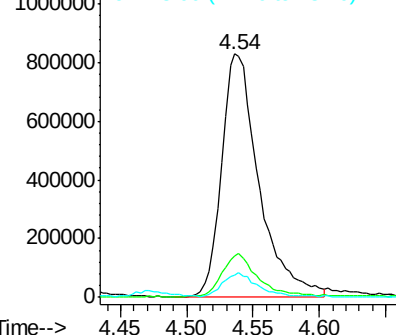
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.903 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: VL037769.D

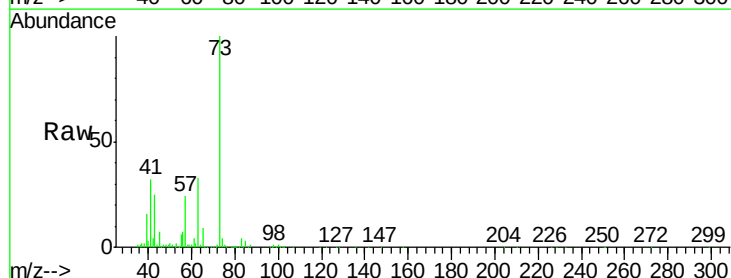
Acq: 5 Oct 2021 11:28

Tgt Ion: 73 Resp: 1395773

Ion Ratio Lower Upper

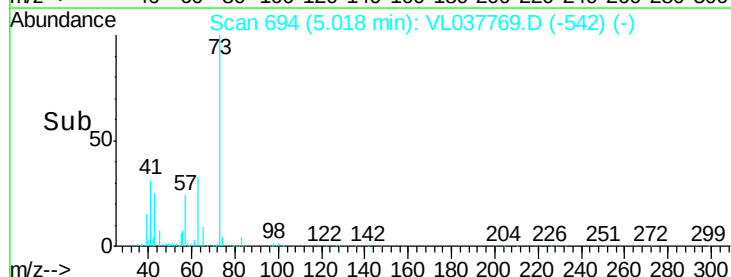
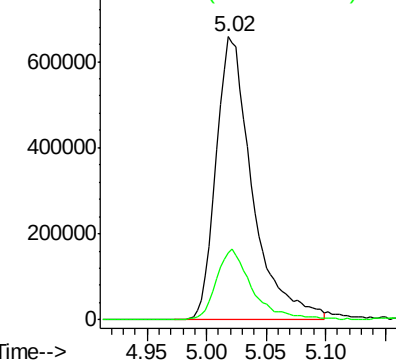
73 100

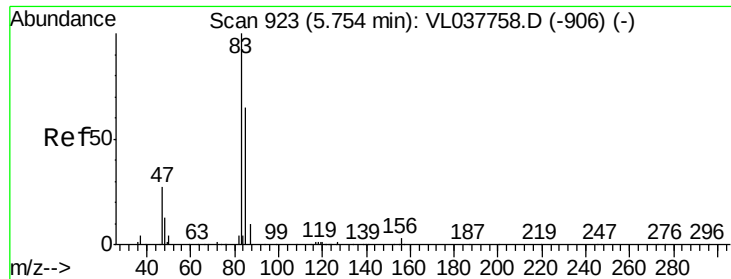
57 24.8 20.4 30.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





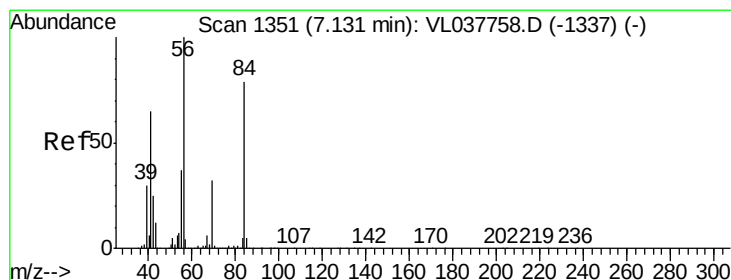
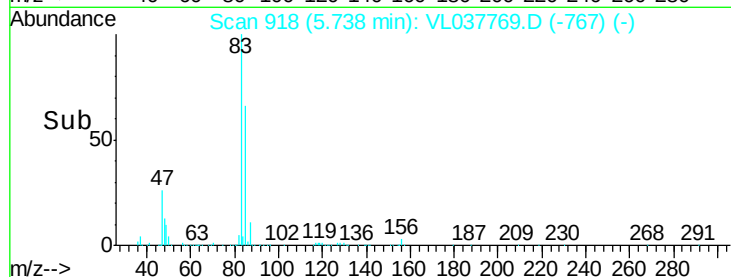
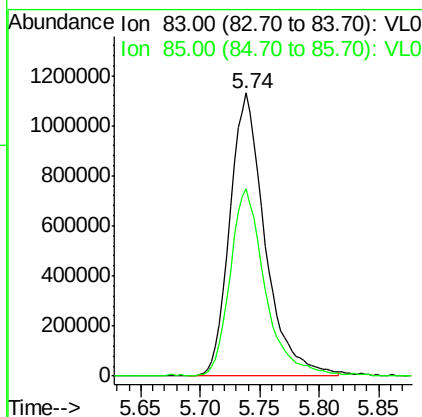
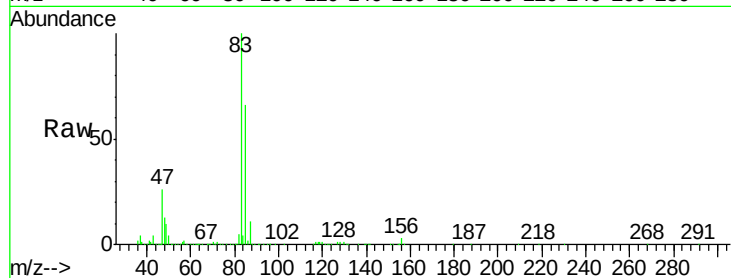
#29
Chloroform
Concen: 9.580 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion: 83 Resp: 2318099
Ion Ratio Lower Upper
83 100
85 66.1 51.8 77.8

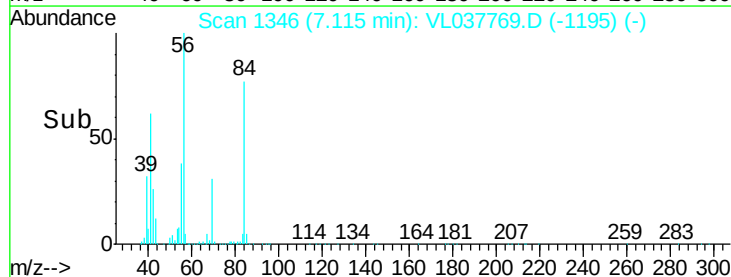
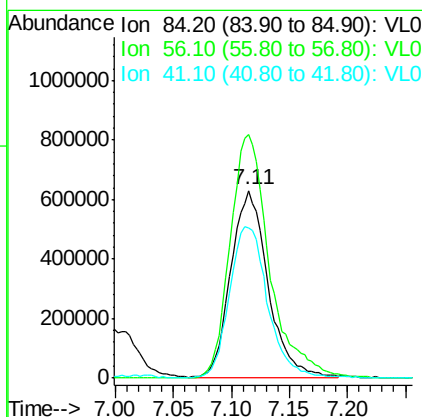
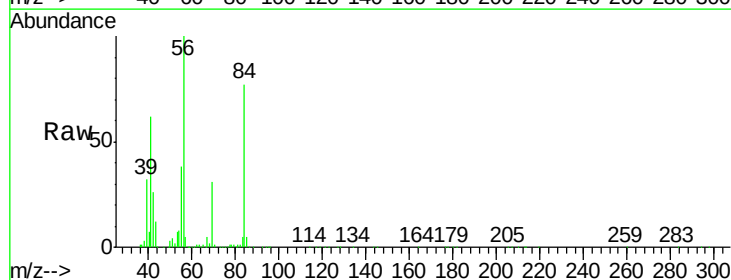
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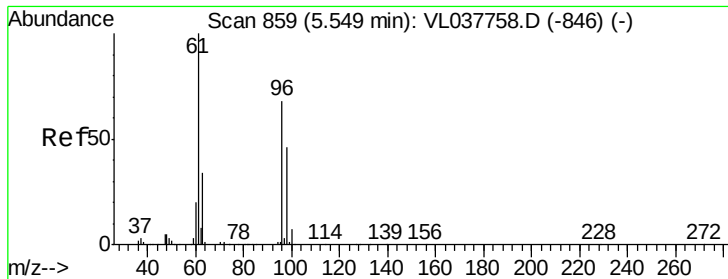
MMDadoda
10/11/2021 7:35:58 PM



#30
Cyclohexane
Concen: 9.837 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion: 84 Resp: 1412141
Ion Ratio Lower Upper
84 100
56 137.4 113.0 169.4
41 82.7 69.1 103.7





#31

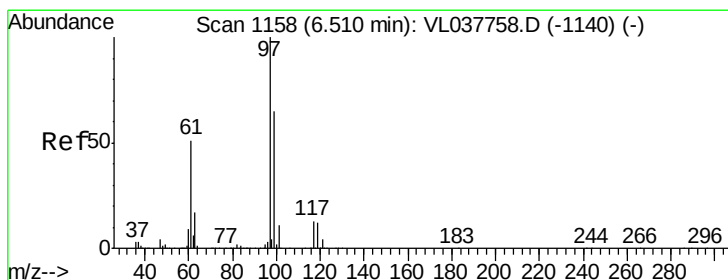
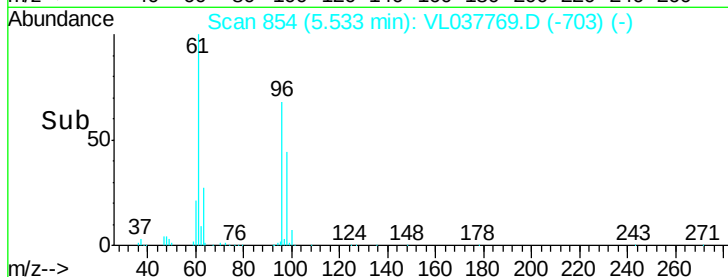
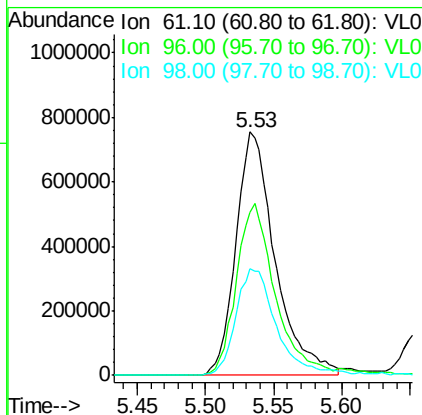
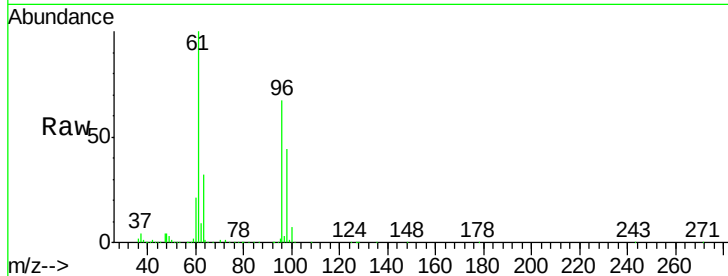
cis-1,2-Dichloroethene
Concen: 9.797 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	66.8	54.2	81.2
98	44.1	36.6	54.8

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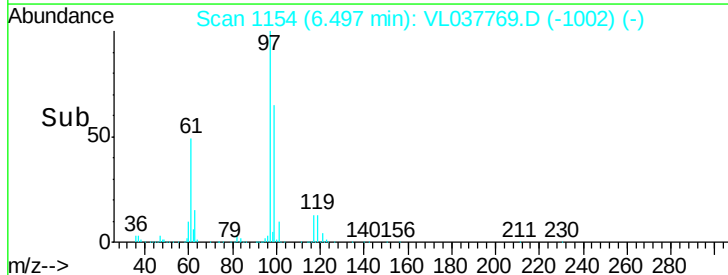
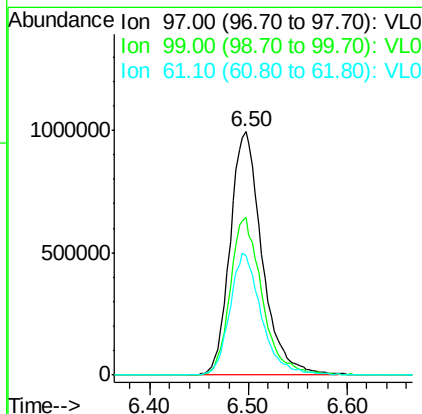
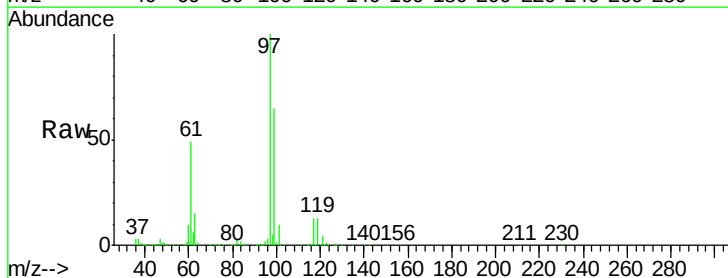
MMDadoda
10/11/2021 7:35:58 PM

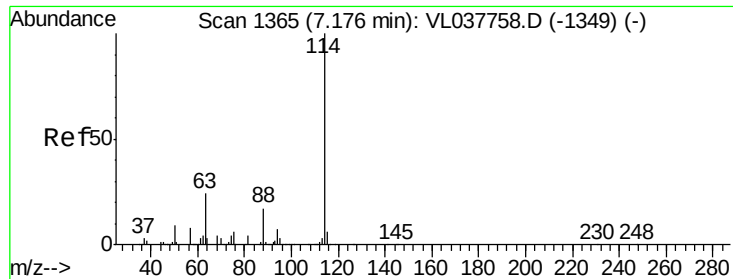


#32

1,1,1-Trichloroethane
Concen: 9.789 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.6	78.8
61	49.6	40.2	60.4





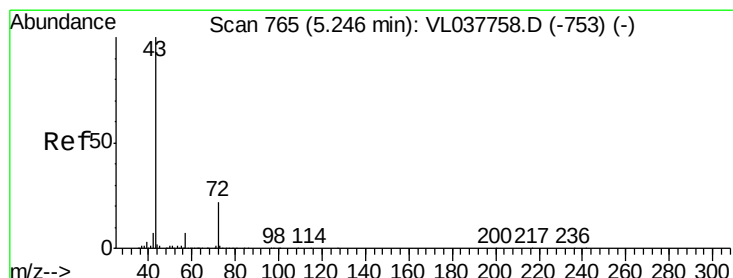
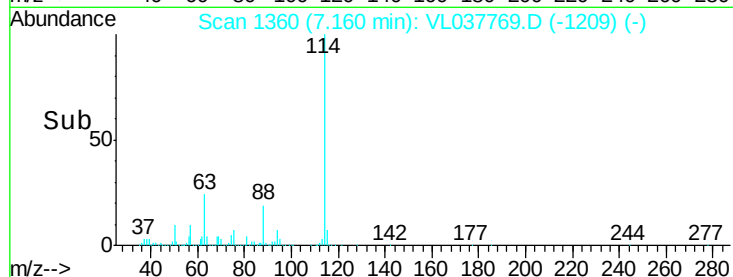
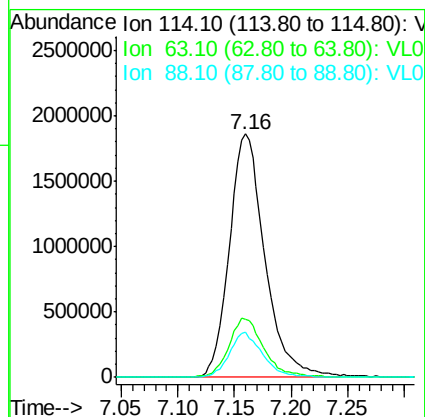
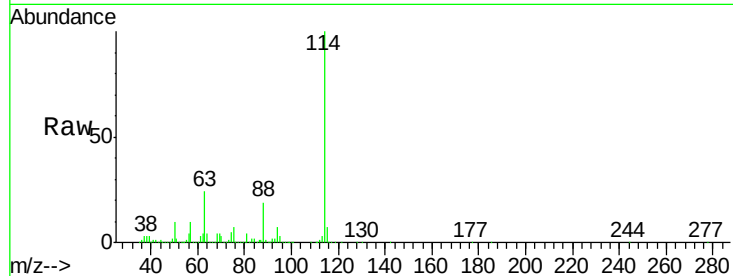
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1005ABS01

Tgt Ion: 114 Resp: 4056193
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.4 29.2
 88 17.6 14.4 21.6

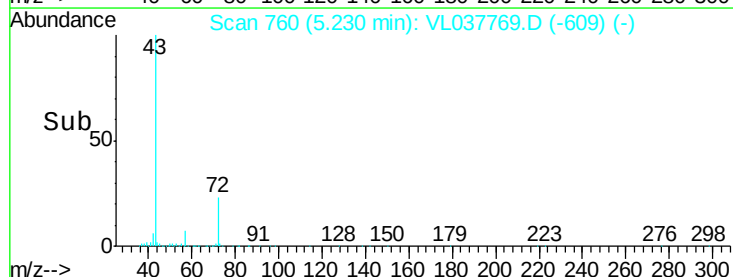
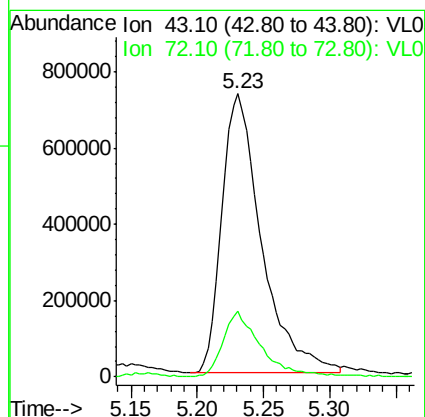
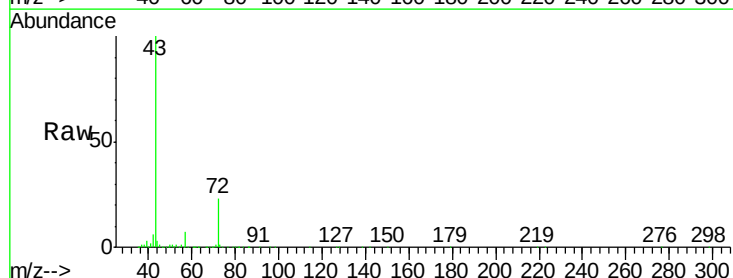
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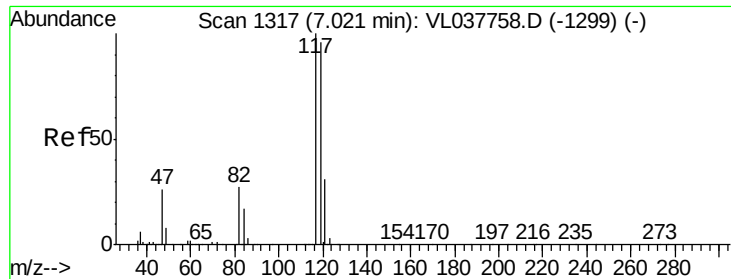
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#34
 2-Butanone
 Concen: 9.341 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Tgt Ion: 43 Resp: 1529580
 Ion Ratio Lower Upper
 43 100
 72 22.6 18.2 27.2





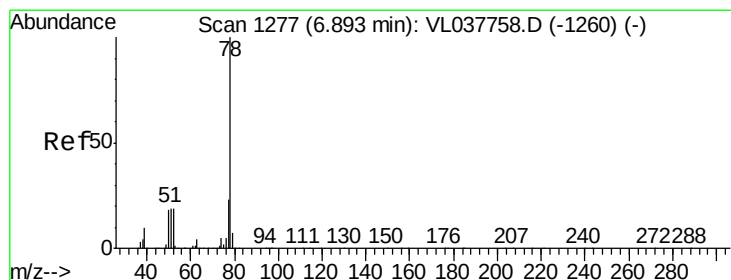
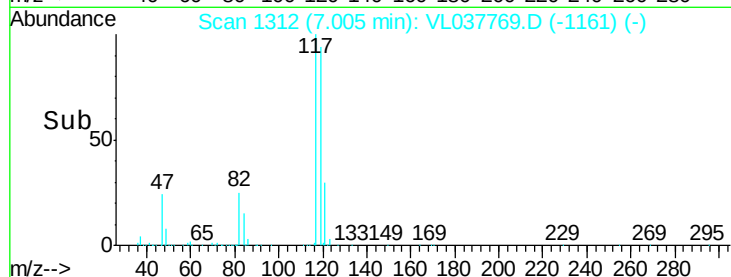
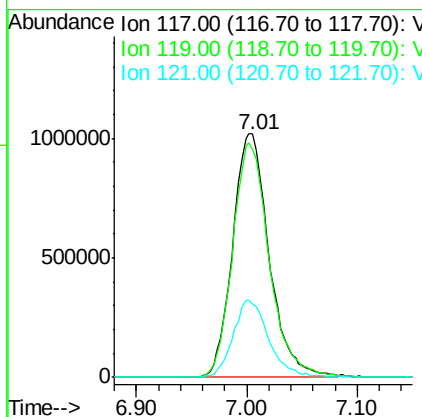
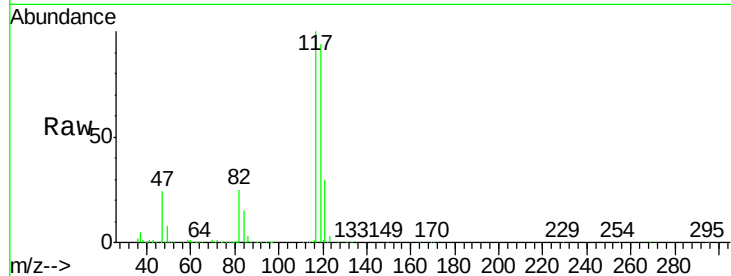
#35
Carbon Tetrachloride
Concen: 10.154 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion:117 Resp: 2339057
Ion Ratio Lower Upper
117 100
119 94.0 76.5 114.7
121 30.0 24.9 37.3

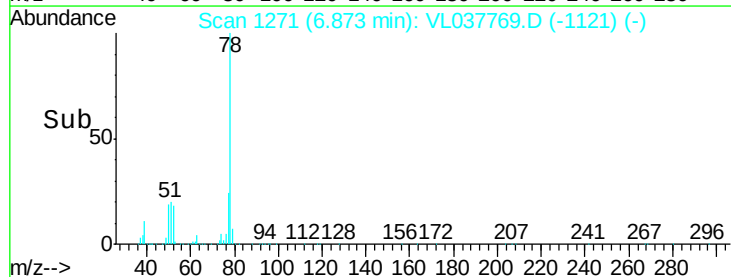
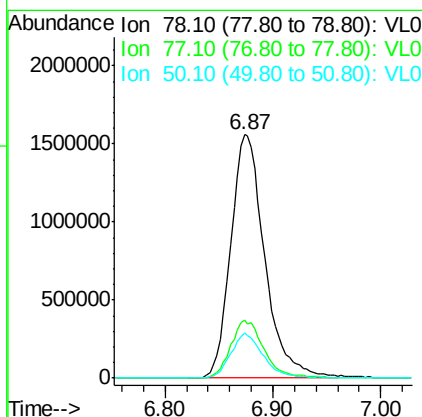
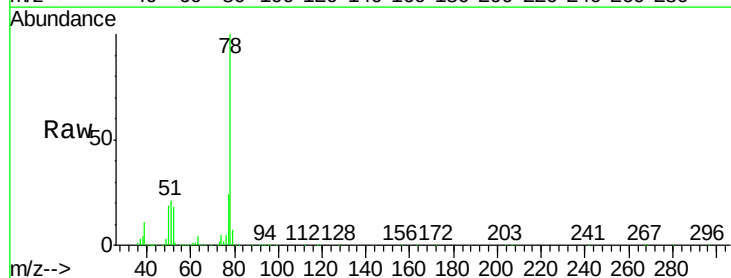
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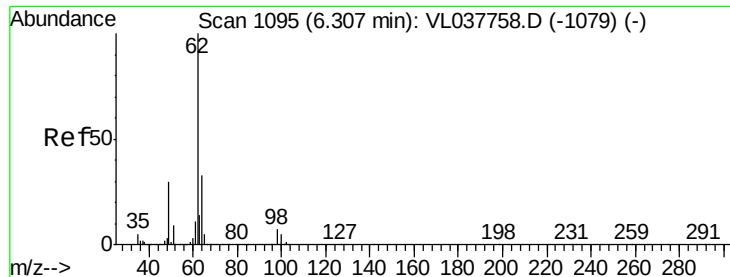
MMDadoda
10/11/2021 7:35:58 PM



#36
Benzene
Concen: 9.876 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion: 78 Resp: 3421718
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2
50 18.5 14.7 22.1





#37

1,2-Dichloroethane

Concen: 9.744 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 62 Resp: 1589518

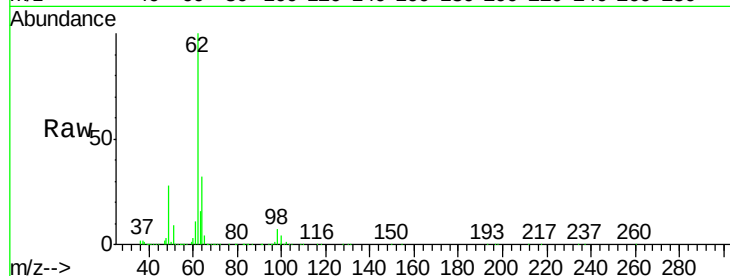
Ion Ratio Lower Upper

62 100

98 7.7 6.1 9.1

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.29

800000

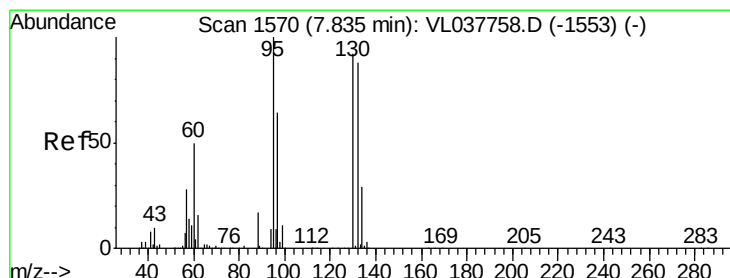
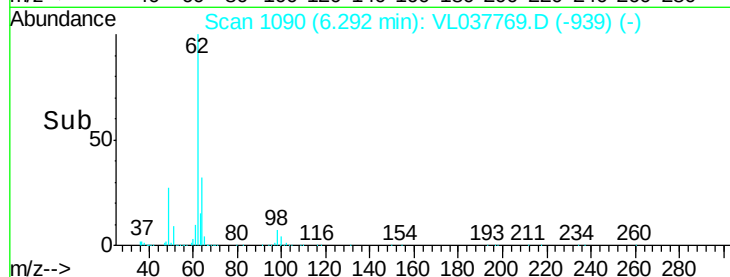
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.721 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.02 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Tgt Ion: 130 Resp: 1330508

Ion Ratio Lower Upper

130 100

95 105.9 87.4 131.0

132 93.6 76.8 115.2

97 68.9 55.8 83.8

Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

7.82

1000000

800000

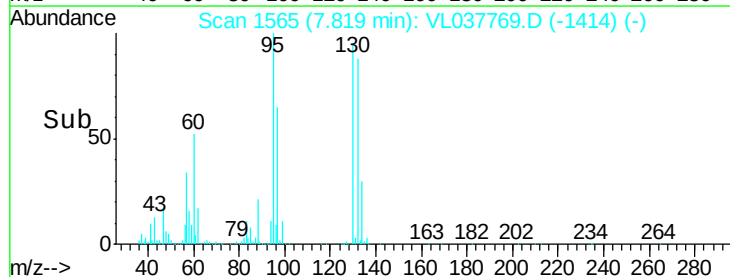
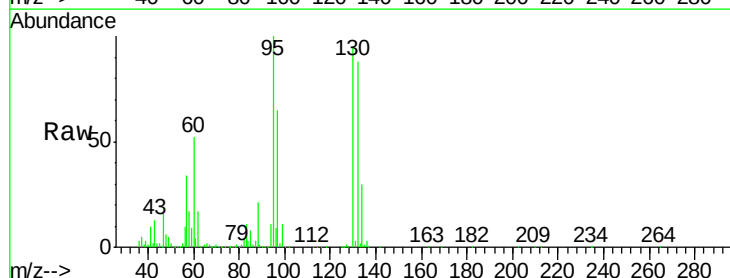
600000

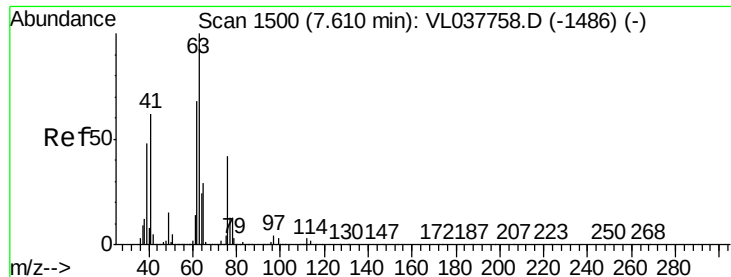
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Time-->





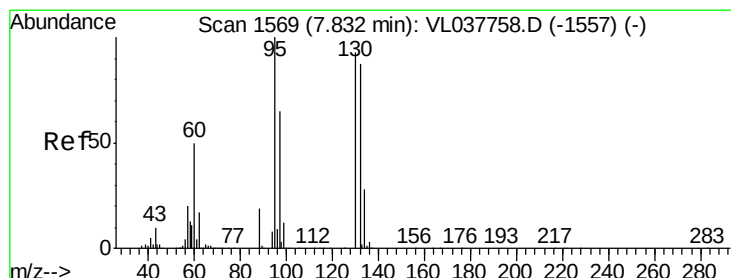
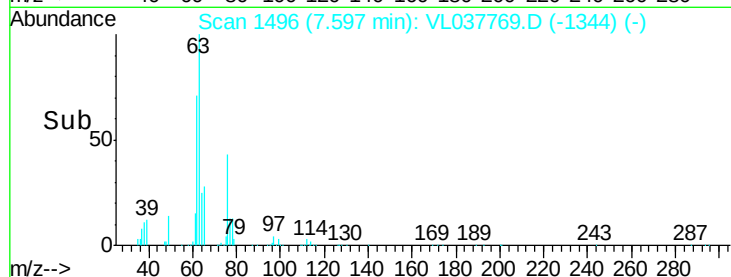
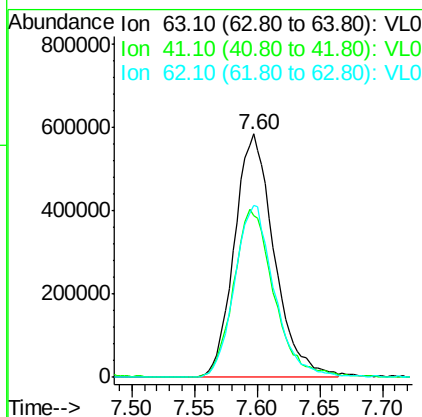
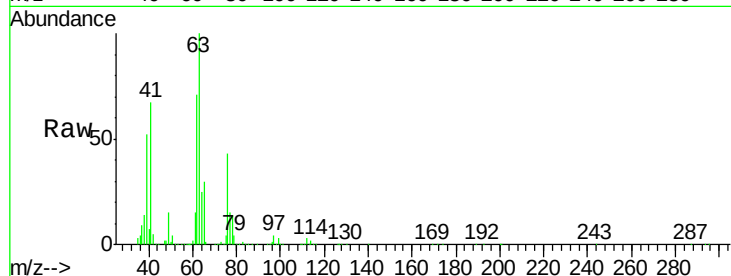
#39
 1,2-Dichloropropane
 Concen: 9.876 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. -0.01 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1005ABS01

Tgt Ion	Ratio	Lower	Upper
63	100		
41	66.5	49.8	74.6
62	70.6	54.6	82.0

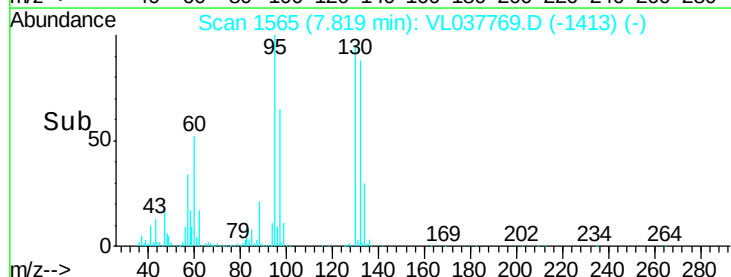
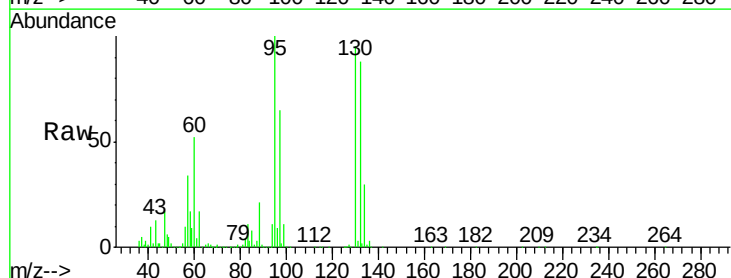
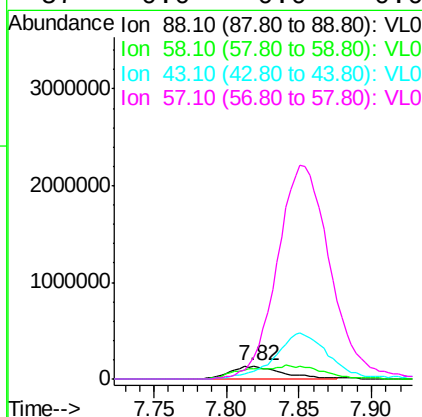
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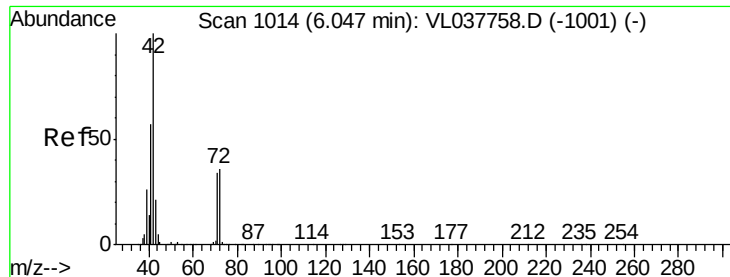
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#40
 1,4-Dioxane
 Concen: 10.170 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





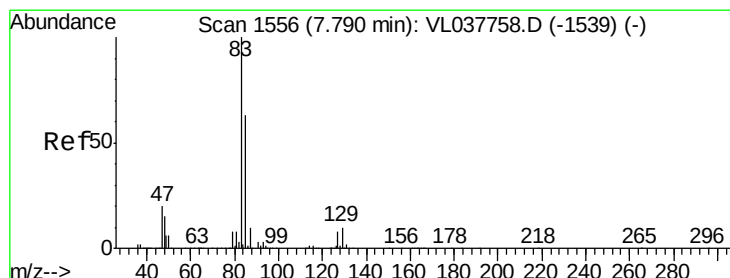
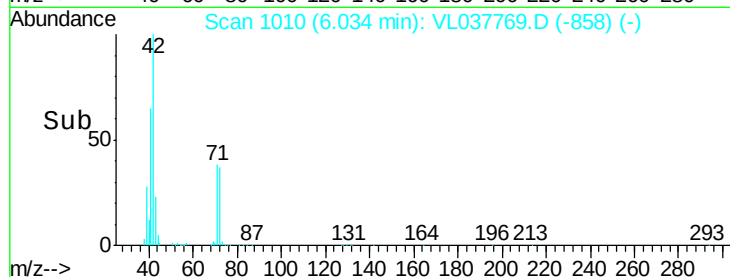
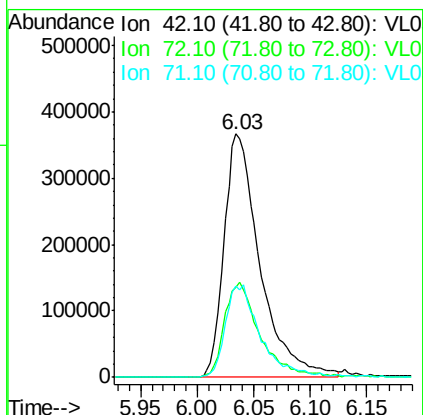
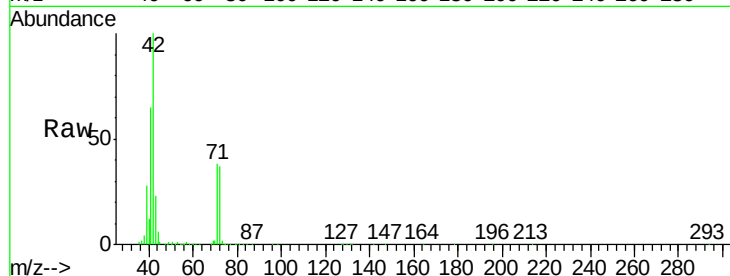
#41
Tetrahydrofuran
Concen: 10.114 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.9	47.9
71	38.0	30.3	45.5

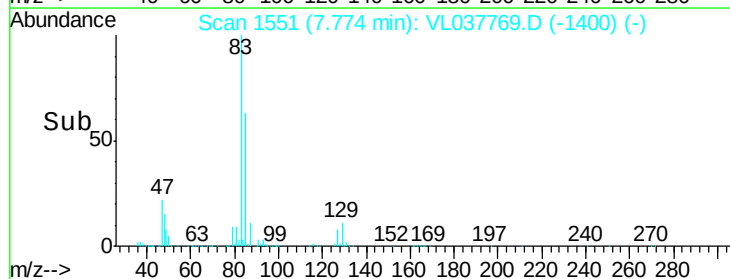
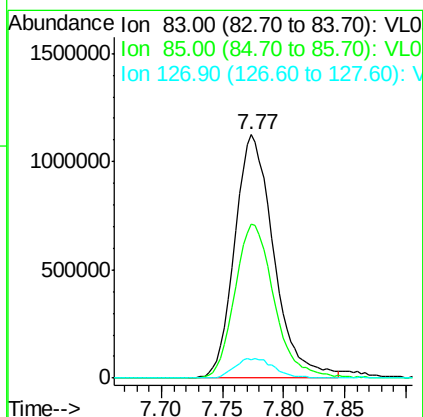
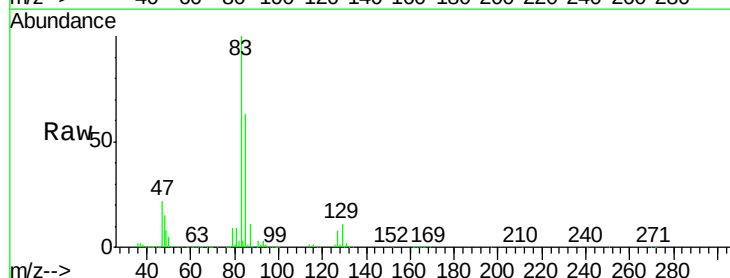
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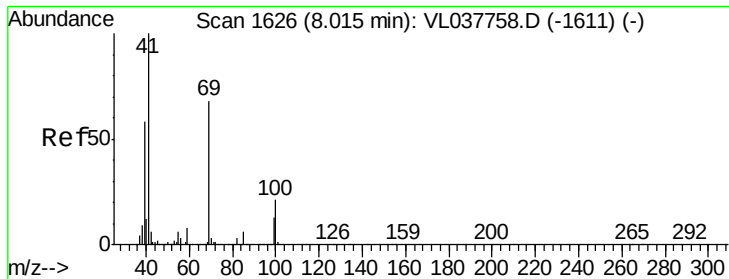
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#42
Bromodichloromethane
Concen: 10.410 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	7.7	6.2	9.4





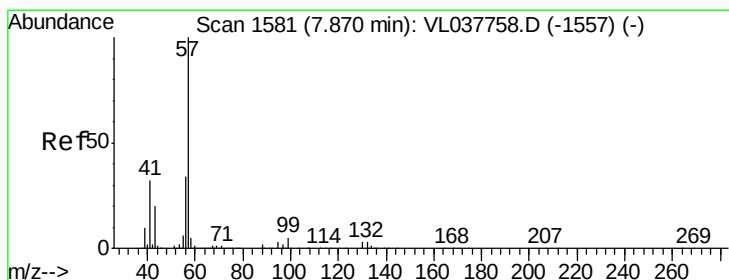
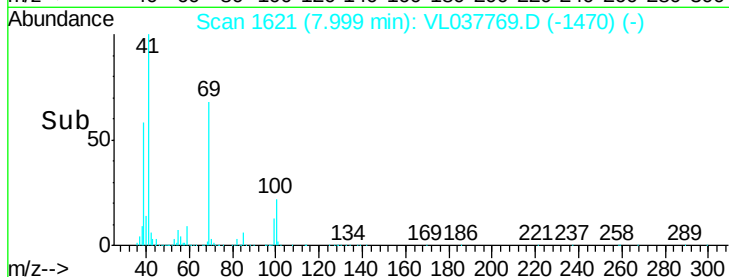
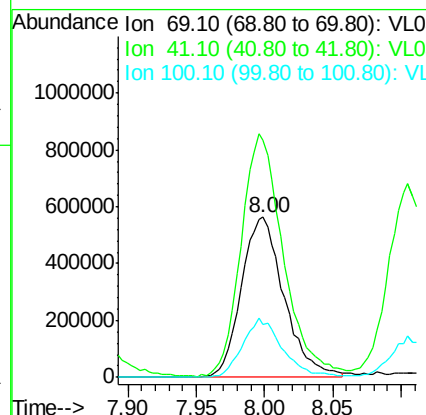
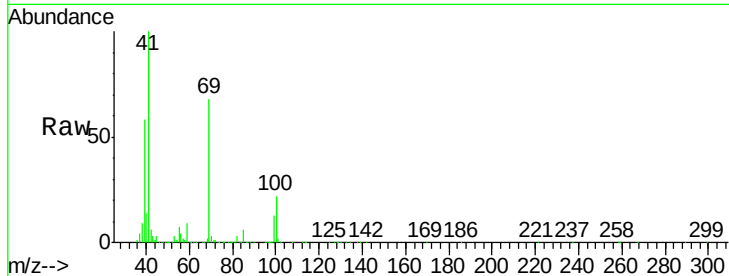
#43
Methyl Methacrylate
Concen: 10.849 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion: 69 Resp: 1227690
Ion Ratio Lower Upper
69 100
41 150.9 121.0 181.4
100 34.6 27.7 41.5

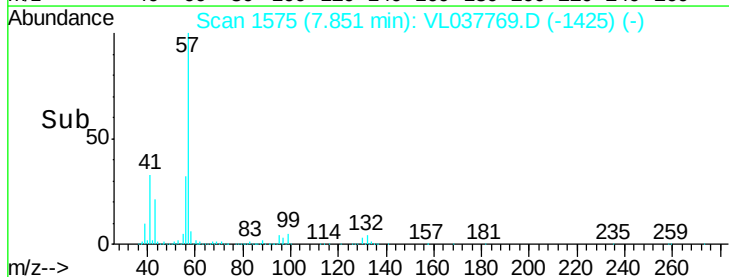
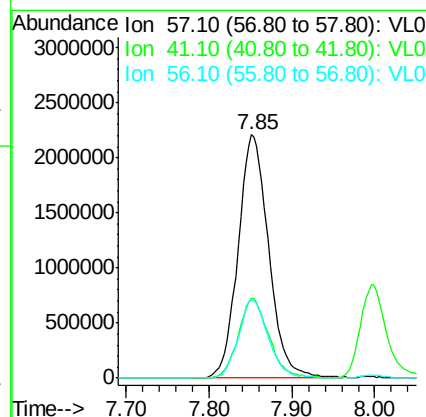
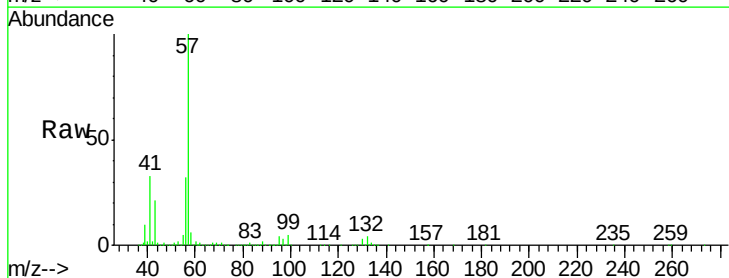
Manual Integrations
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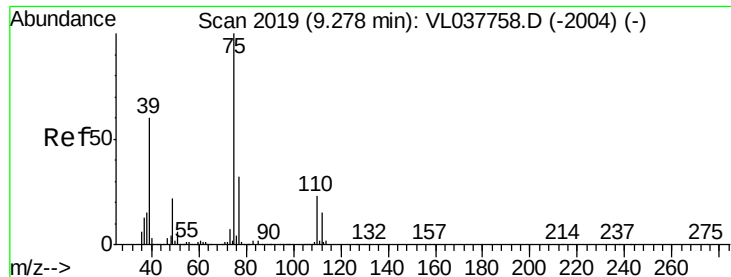
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.752 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion: 57 Resp: 5676389
Ion Ratio Lower Upper
57 100
41 32.8 25.6 38.4
56 31.6 25.5 38.3





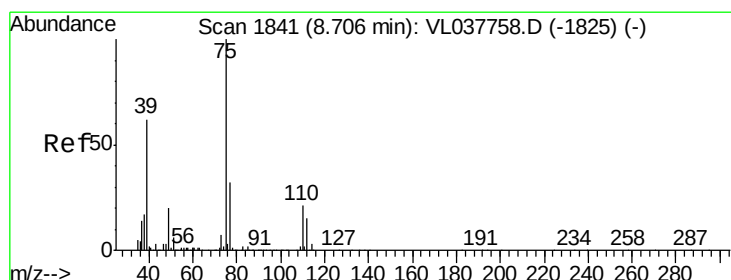
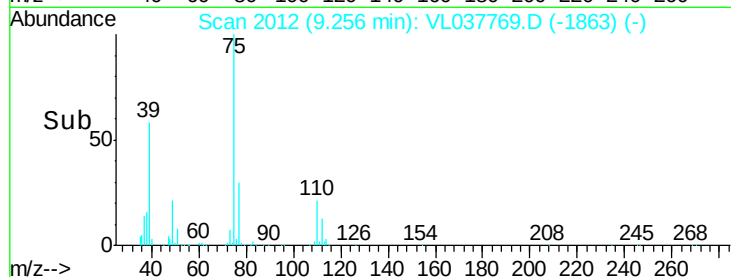
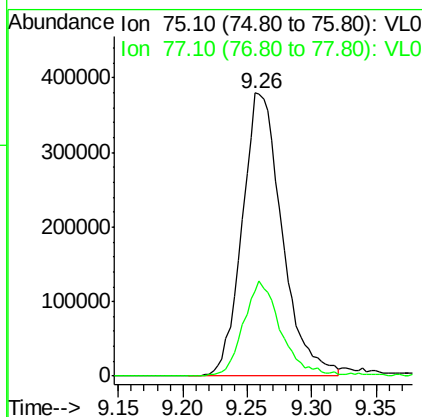
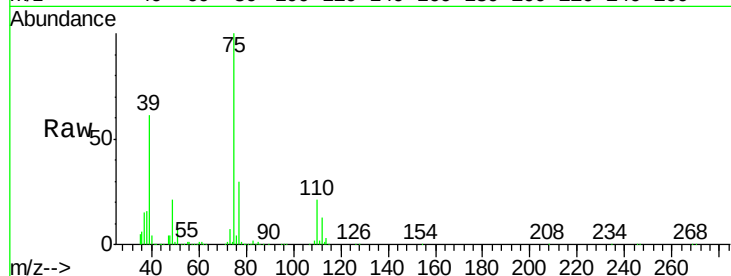
#45
t-1,3-Dichloropropene
Concen: 10.483 ppbv
RT: 9.26 min Scan# 2012
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion: 75 Resp: 816214
Ion Ratio Lower Upper
75 100
77 29.9 25.2 37.8

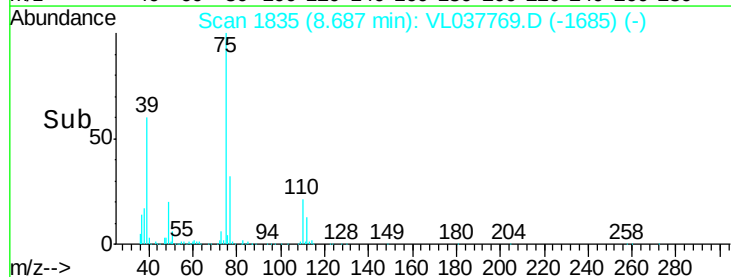
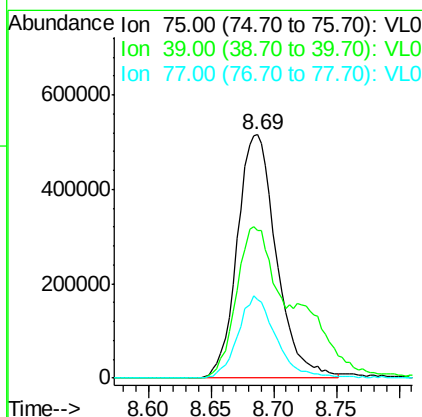
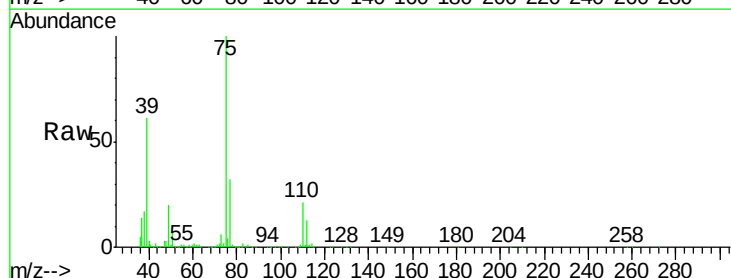
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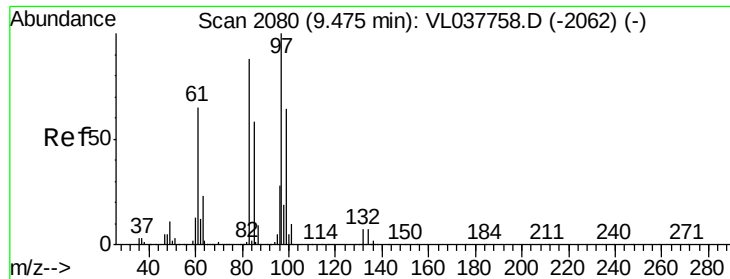
MMDadoda
10/11/2021 7:35:58 PM



#46
cis-1,3-Dichloropropene
Concen: 10.388 ppbv
RT: 8.69 min Scan# 1835
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion: 75 Resp: 1121064
Ion Ratio Lower Upper
75 100
39 60.3 49.9 74.9
77 32.1 25.9 38.9





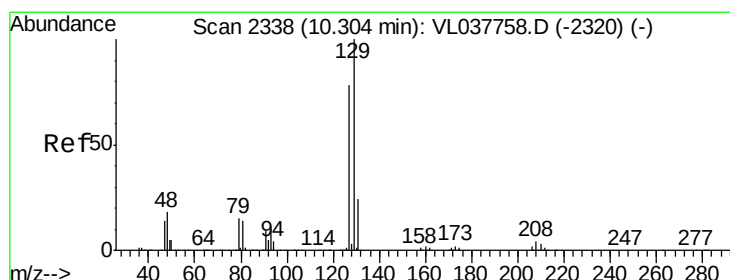
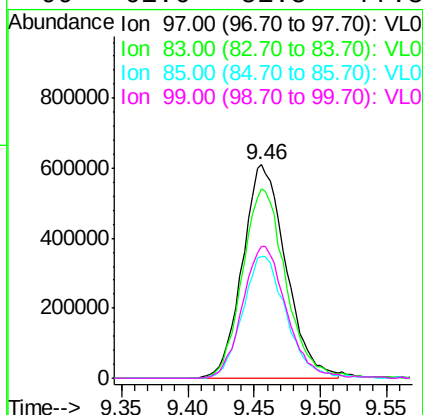
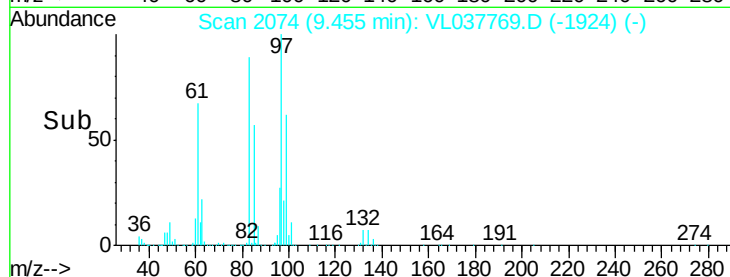
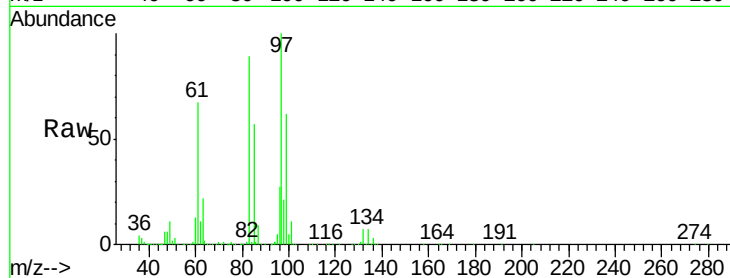
#47
 1,1,2-Trichloroethane
 Concen: 9.786 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.02 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1005ABS01

Tgt Ion: 97 Resp: 1386338
 Ion Ratio Lower Upper
 97 100
 83 88.5 70.6 105.8
 85 56.6 45.9 68.9
 99 61.6 51.5 77.3

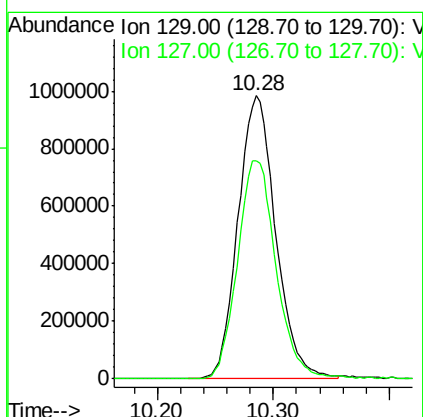
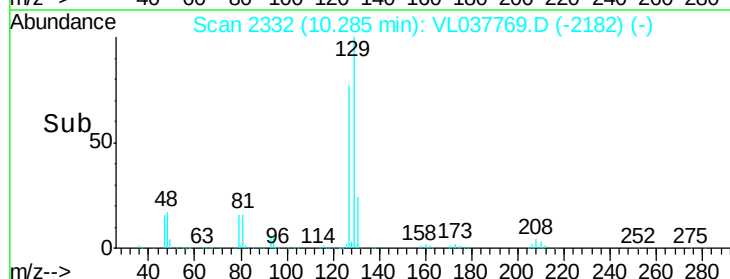
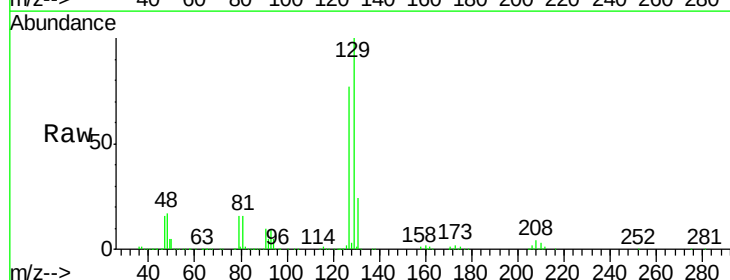
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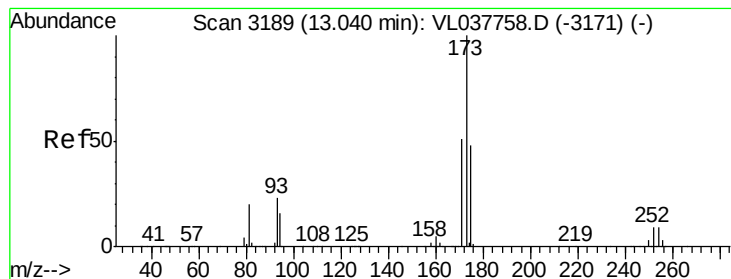
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.008 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.02 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Tgt Ion: 129 Resp: 2223121
 Ion Ratio Lower Upper
 129 100
 127 79.5 39.5 118.5





#49

Bromoform

Concen: 12.578 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.02 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion:173 Resp: 1943568

Ion Ratio Lower Upper

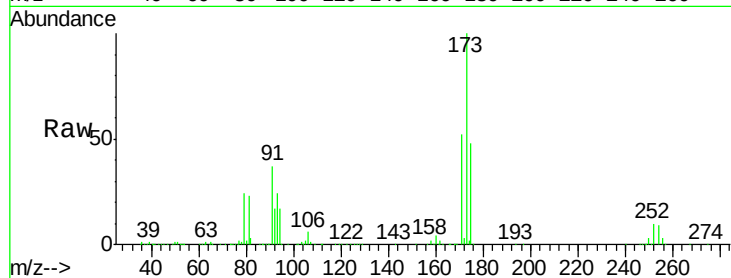
173 100

175 49.2 39.9 59.9

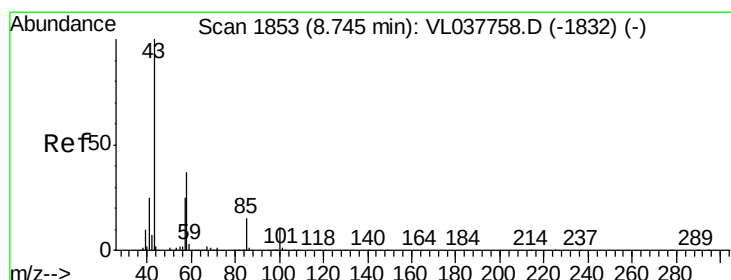
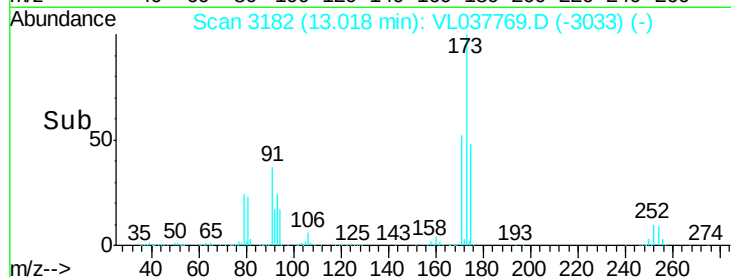
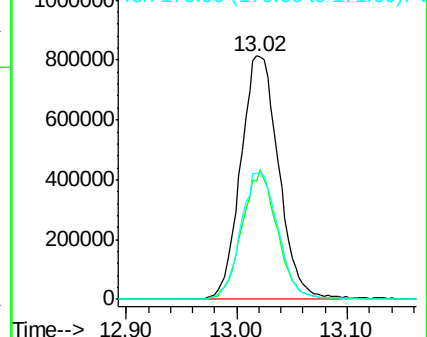
171 51.7 43.4 65.2

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.580 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.02 min

Lab File: VL037769.D

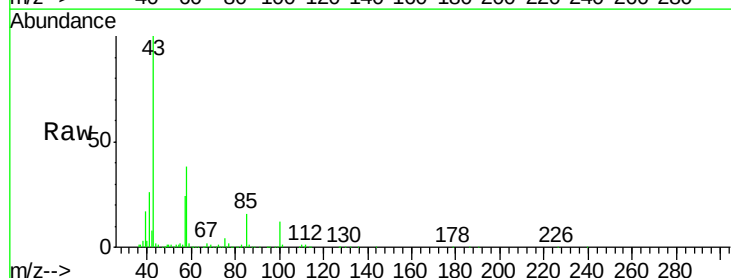
Acq: 5 Oct 2021 11:28

Tgt Ion: 43 Resp: 2255261

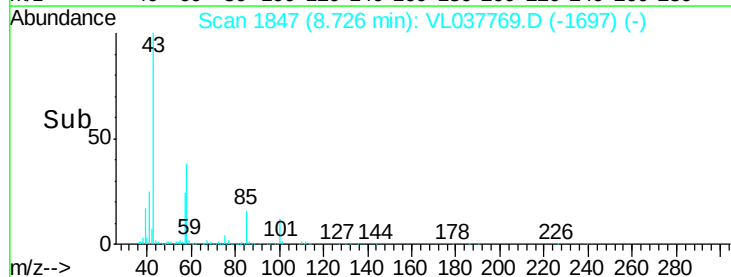
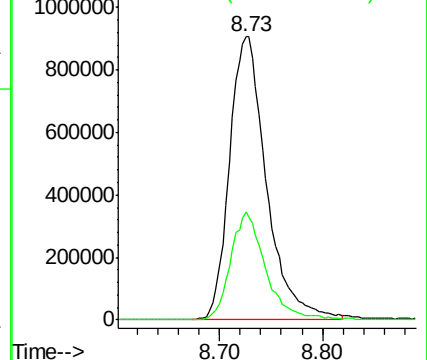
Ion Ratio Lower Upper

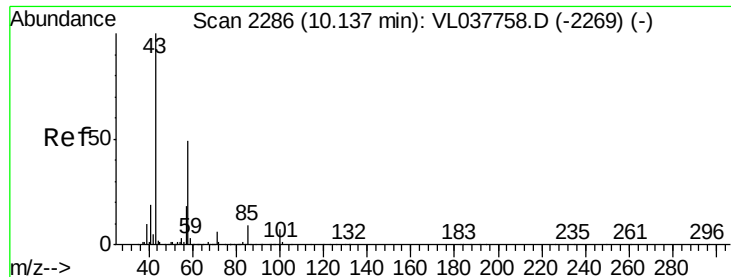
43 100

58 36.2 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





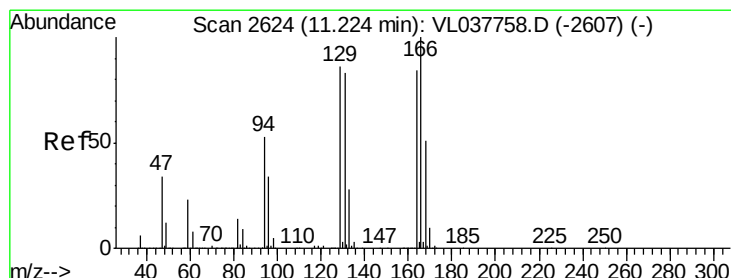
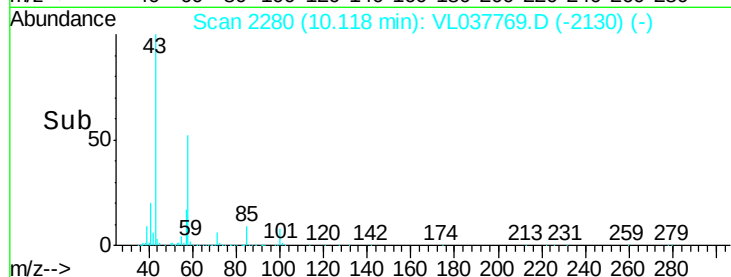
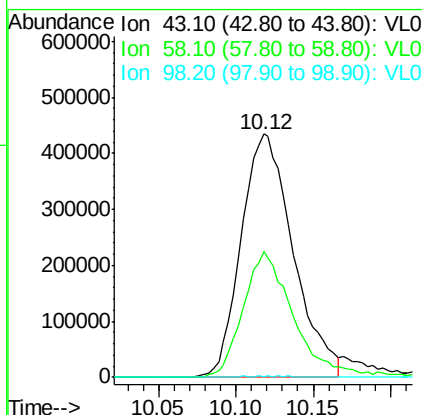
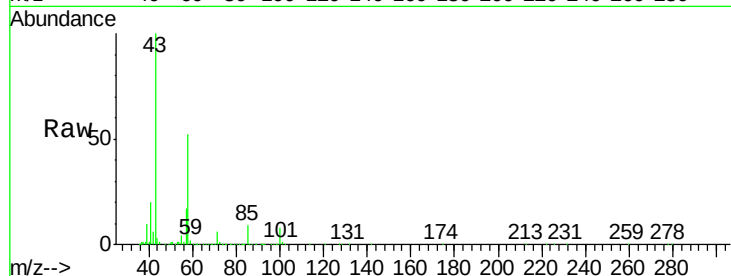
#51
2-Hexanone
Concen: 10.654 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion: 43 Resp: 1013899
Ion Ratio Lower Upper
43 100
58 51.7 39.4 59.0
98 0.7 0.3 0.5#

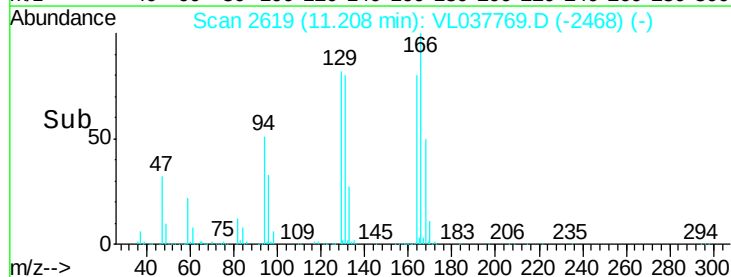
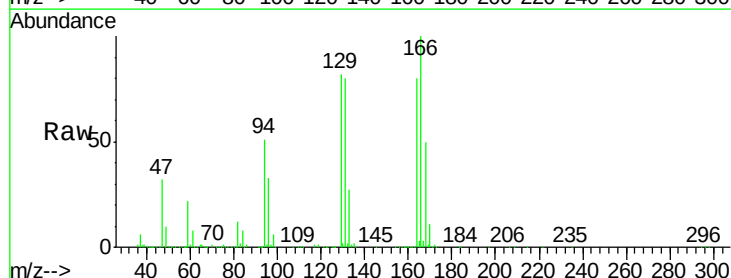
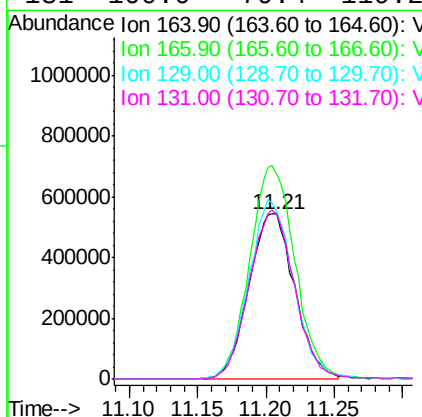
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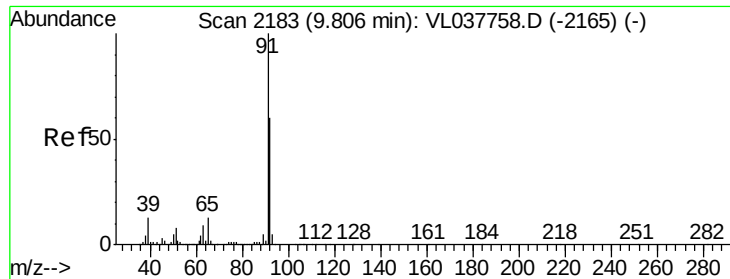
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#52
Tetrachloroethene
Concen: 9.403 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion: 164 Resp: 1267433
Ion Ratio Lower Upper
164 100
166 124.6 95.4 143.2
129 101.9 82.2 123.4
131 100.0 79.4 119.2





#53

Toluene

Concen: 10.384 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.02 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 91 Resp: 3987076

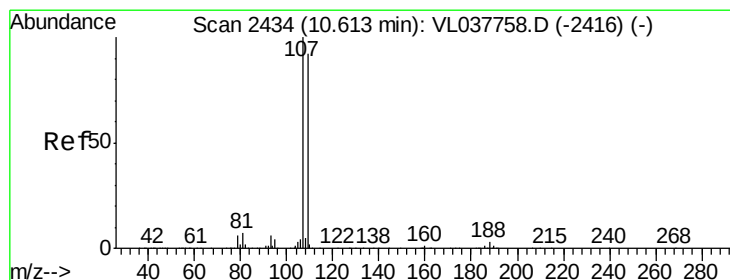
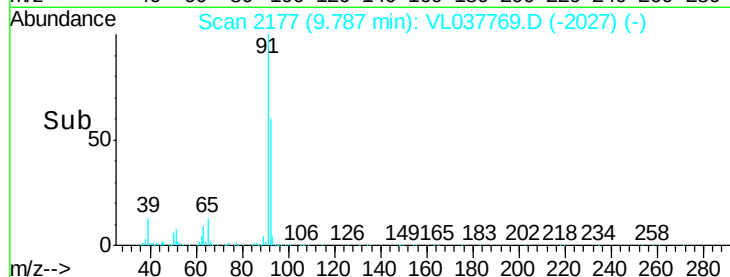
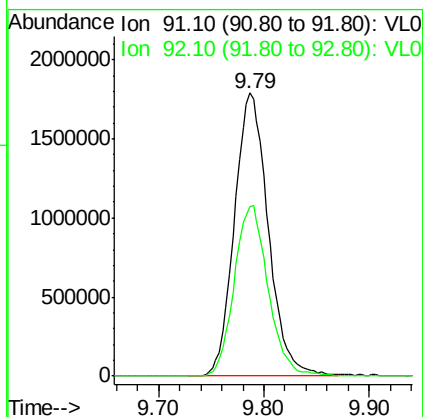
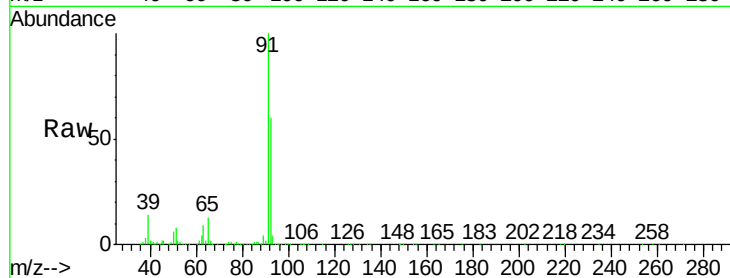
Ion Ratio Lower Upper

91 100

92 60.6 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 10.284 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.02 min

Lab File: VL037769.D

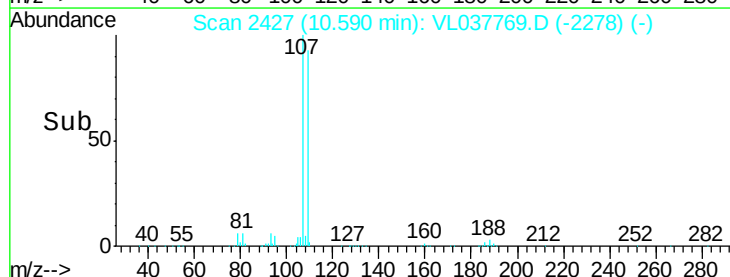
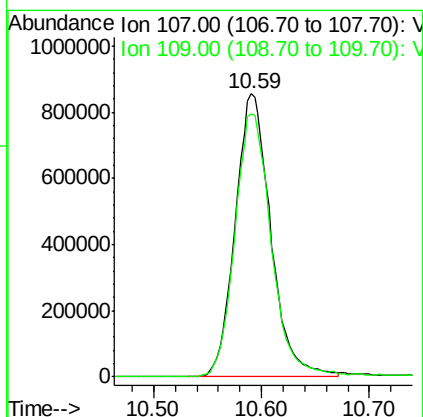
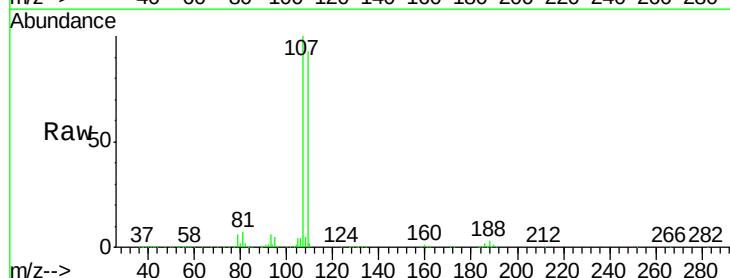
Acq: 5 Oct 2021 11:28

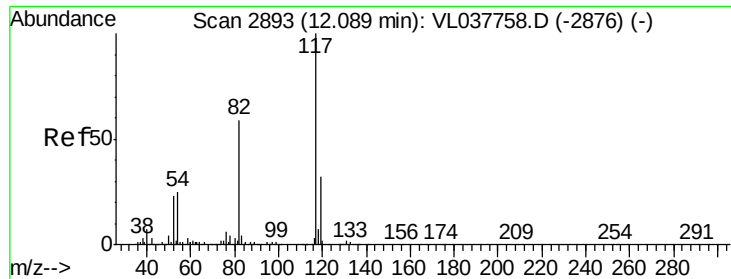
Tgt Ion: 107 Resp: 1967955

Ion Ratio Lower Upper

107 100

109 93.0 73.8 110.6





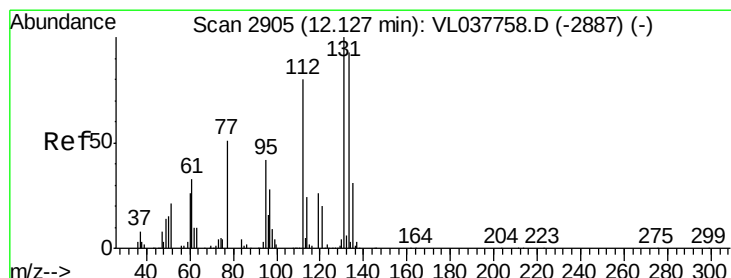
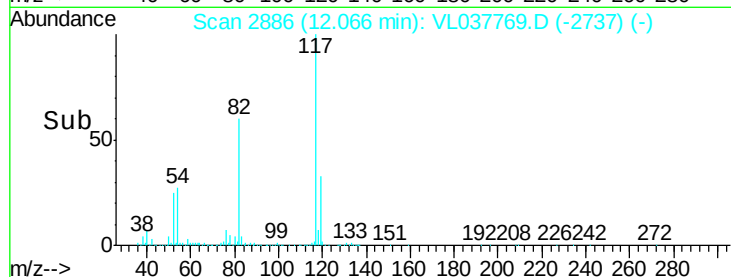
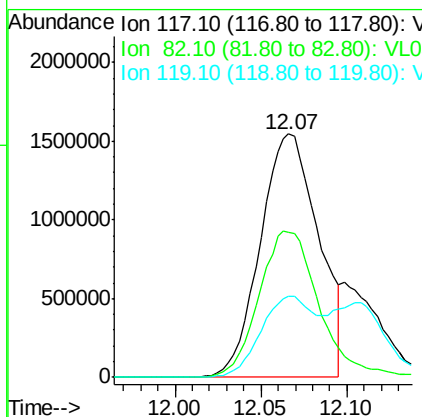
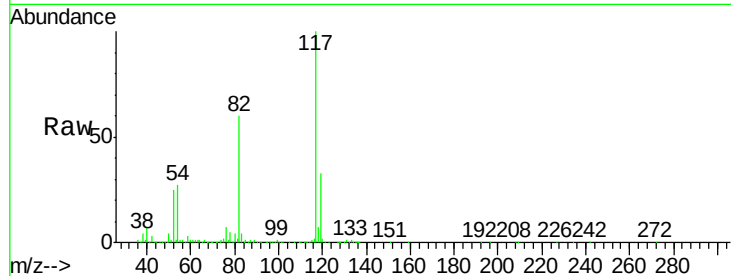
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2886
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion:117 Resp: 3658931
Ion Ratio Lower Upper
117 100
82 62.7 52.2 78.2
119 29.1 26.0 39.0

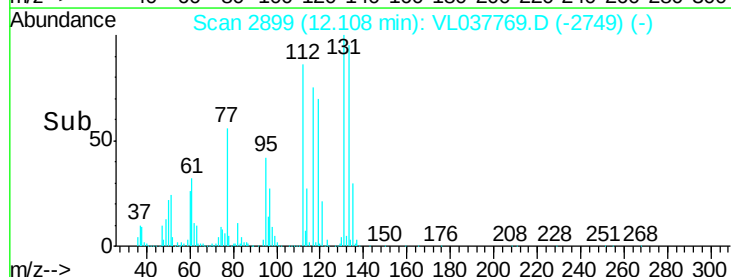
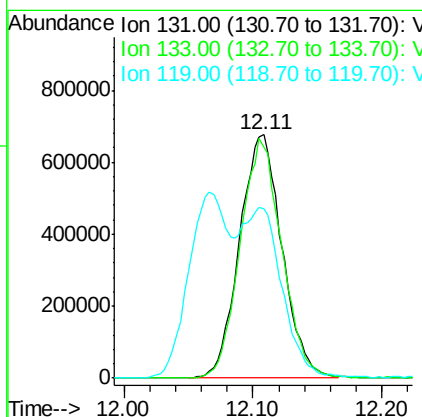
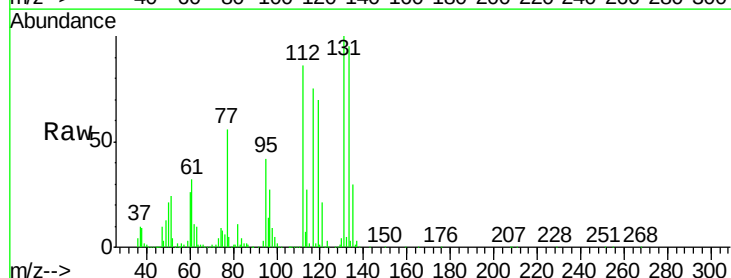
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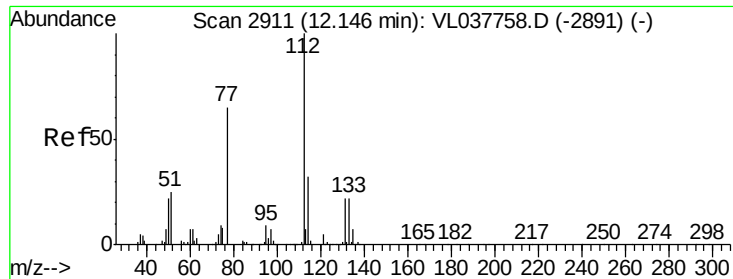
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.239 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion:131 Resp: 1550928
Ion Ratio Lower Upper
131 100
133 96.4 78.5 117.7
119 62.9 51.7 77.5





#57

Chlorobenzene

Concen: 9.881 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.02 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 112 Resp: 2965968

Ion Ratio Lower Upper

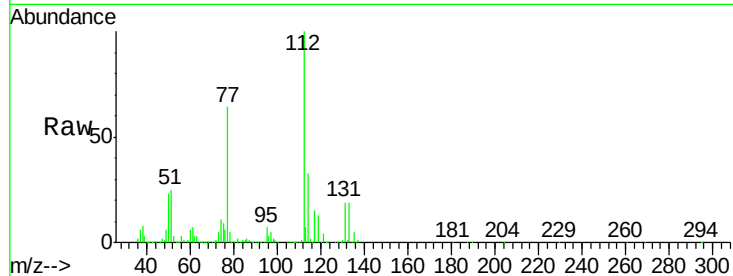
112 100

77 62.9 51.8 77.8

114 32.9 28.8 35.2

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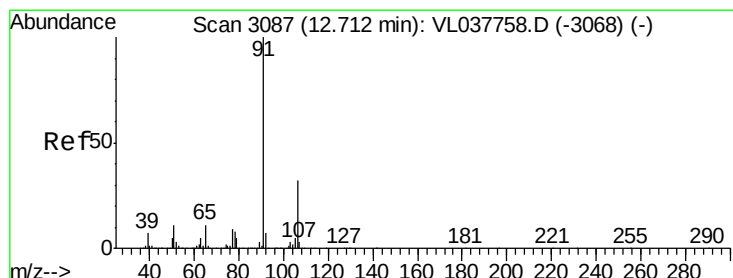
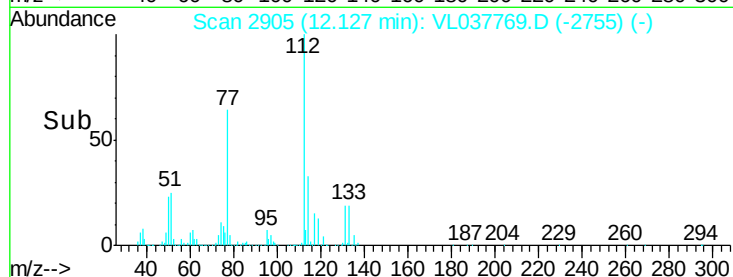
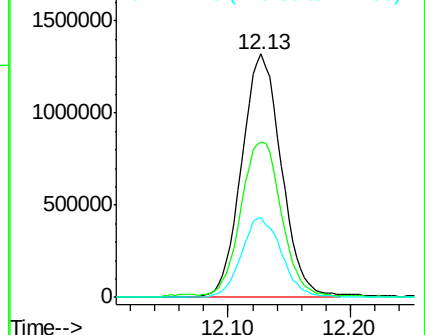
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.683 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.02 min

Lab File: VL037769.D

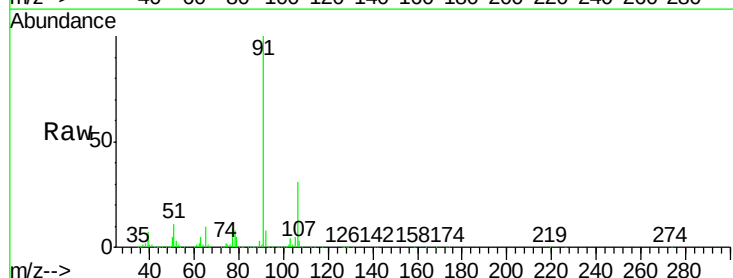
Acq: 5 Oct 2021 11:28

Tgt Ion: 91 Resp: 5248890

Ion Ratio Lower Upper

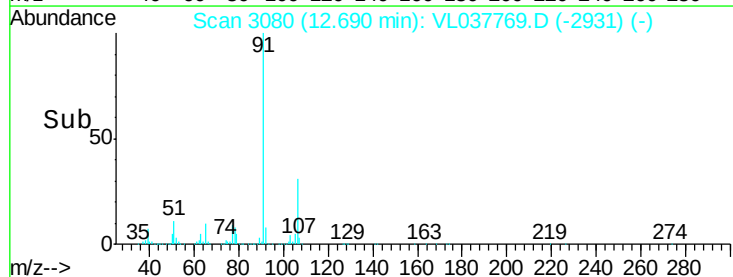
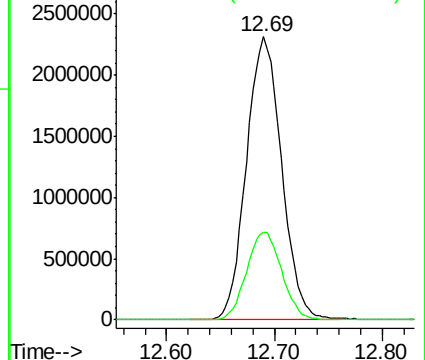
91 100

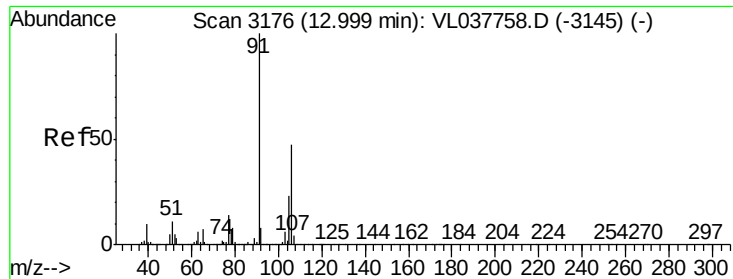
106 31.1 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





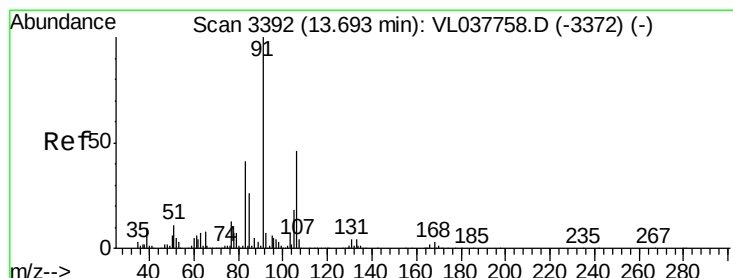
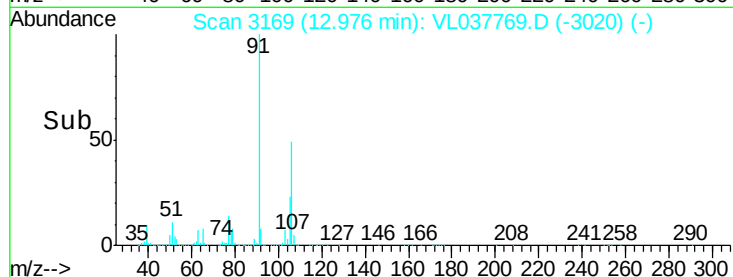
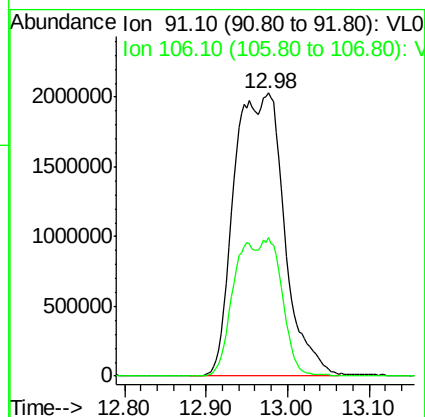
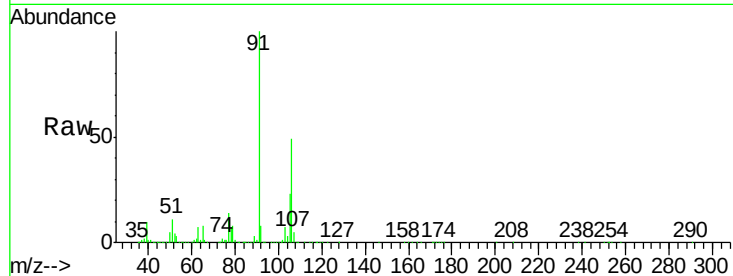
#59
m/p-Xylene
Concen: 20.605 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion: 91 Resp: 8690267
Ion Ratio Lower Upper
91 100
106 45.6 36.7 55.1

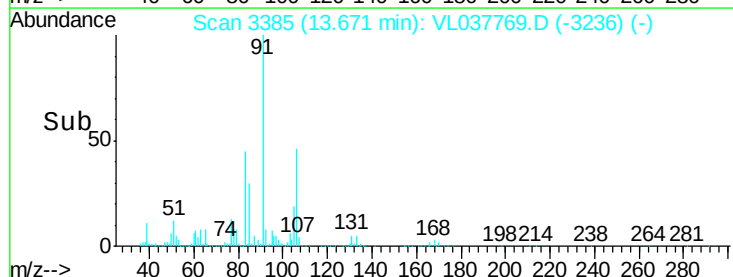
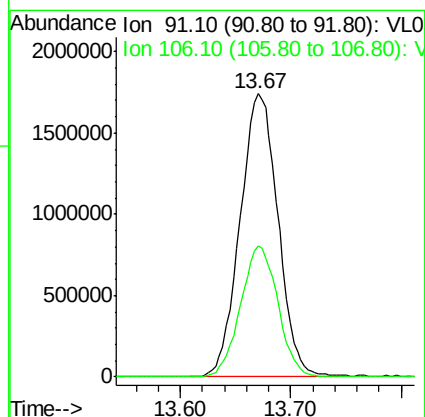
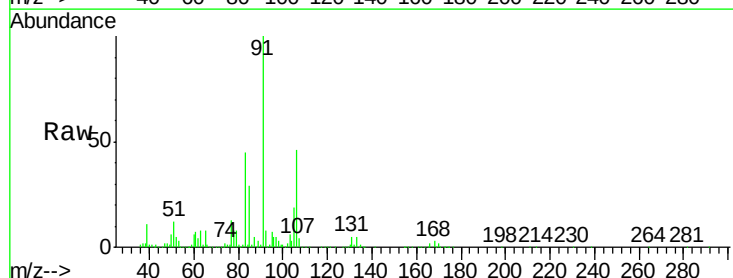
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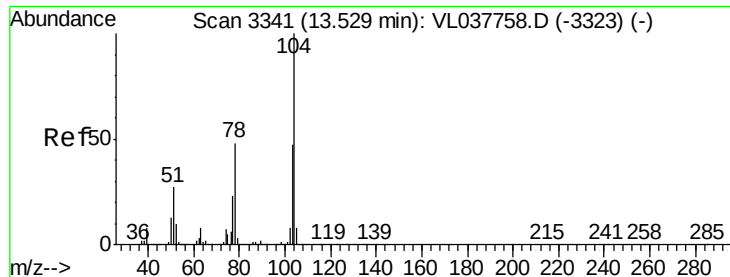
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#60
o-Xylene
Concen: 10.242 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion: 91 Resp: 4139769
Ion Ratio Lower Upper
91 100
106 45.5 23.5 70.5





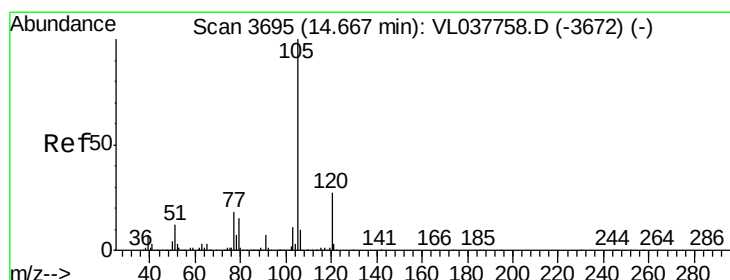
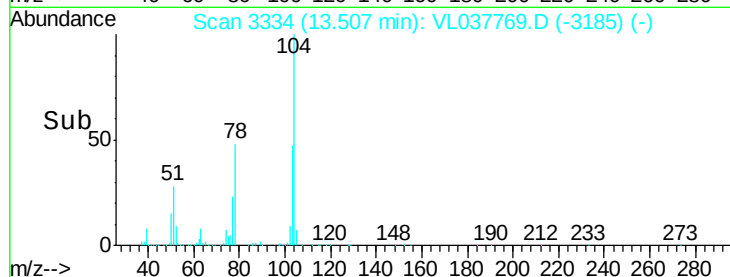
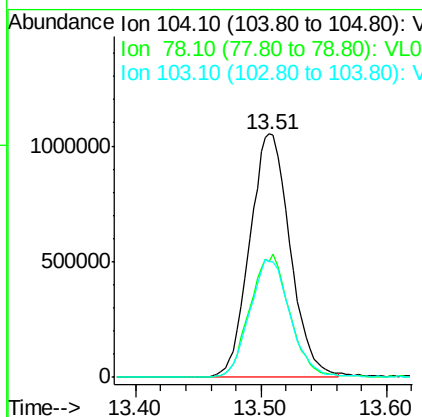
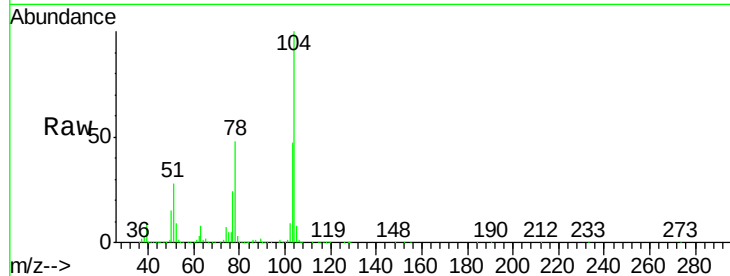
#61
Styrene
Concen: 12.054 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion:104 Resp: 2356660
Ion Ratio Lower Upper
104 100
78 49.7 40.6 61.0
103 48.8 39.6 59.4

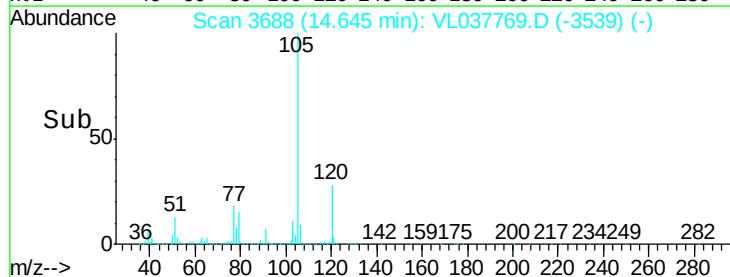
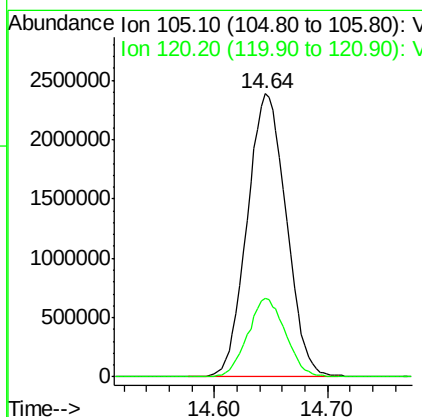
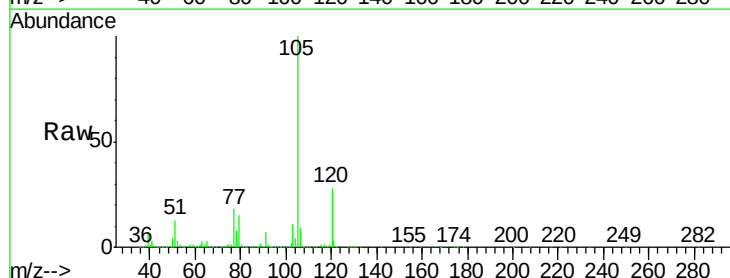
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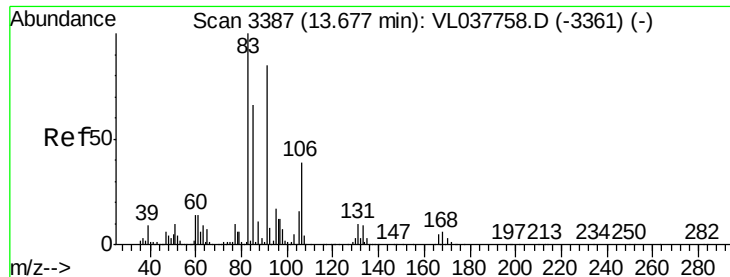
MMDadoda
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#62
Isopropylbenzene
Concen: 10.175 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion:105 Resp: 5736318
Ion Ratio Lower Upper
105 100
120 26.8 21.3 31.9





#63

1,1,2,2-Tetrachloroethane

Concen: 9.562 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. -0.02 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 83 Resp: 2982252
Ion Ratio Lower Upper

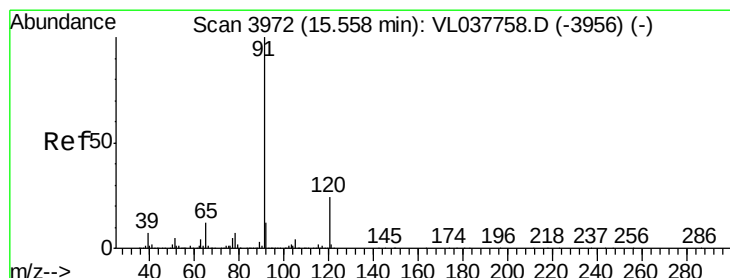
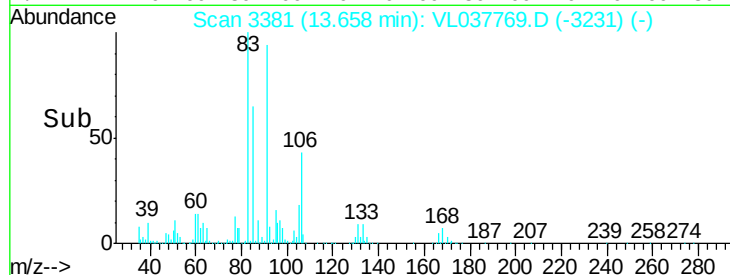
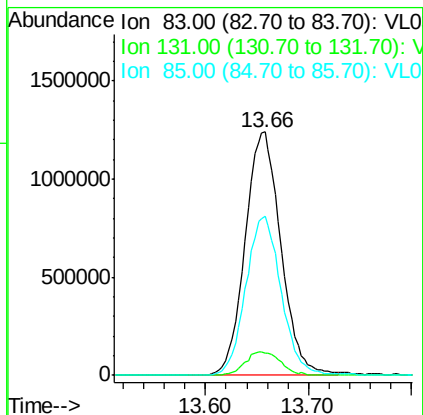
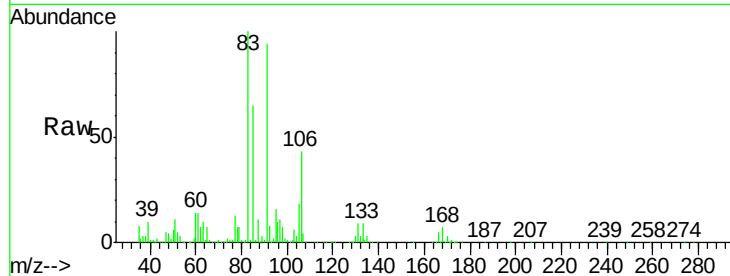
83 100

131 9.8 5.0 15.0

85 65.2 33.1 99.5

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#64

n-propylbenzene

Concen: 11.023 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. -0.02 min

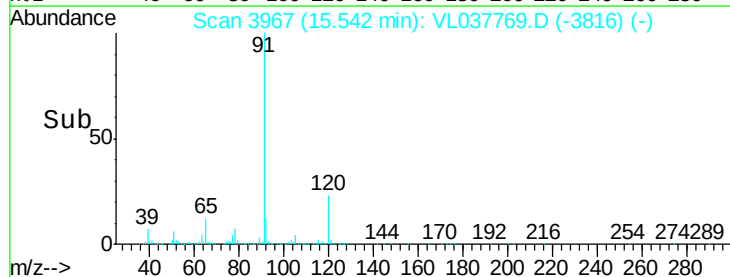
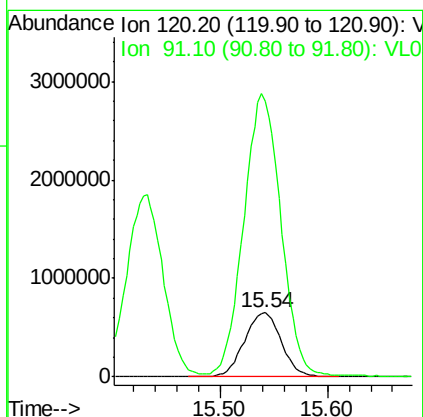
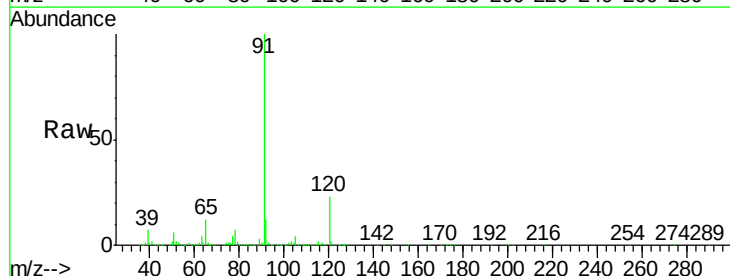
Lab File: VL037769.D

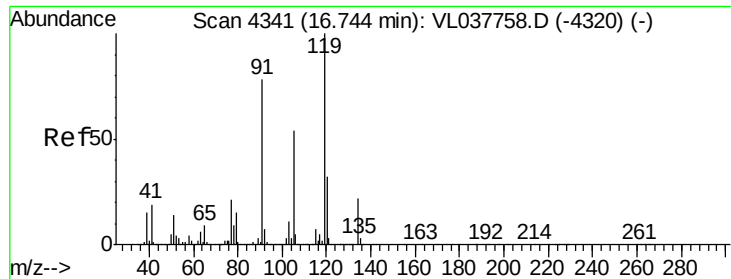
Acq: 5 Oct 2021 11:28

Tgt Ion: 120 Resp: 1549635
Ion Ratio Lower Upper

120 100

91 447.4 375.0 562.6





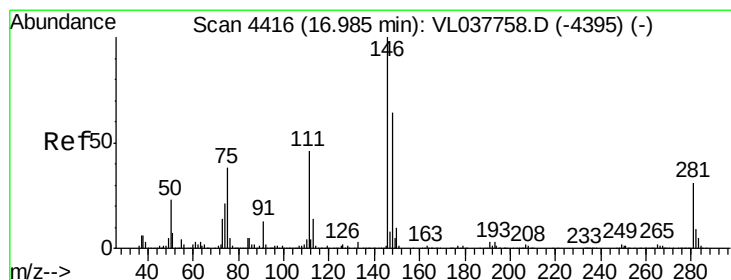
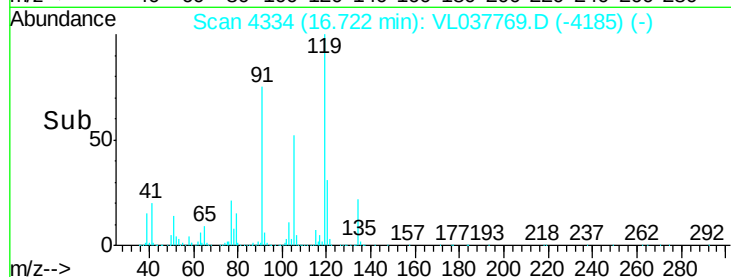
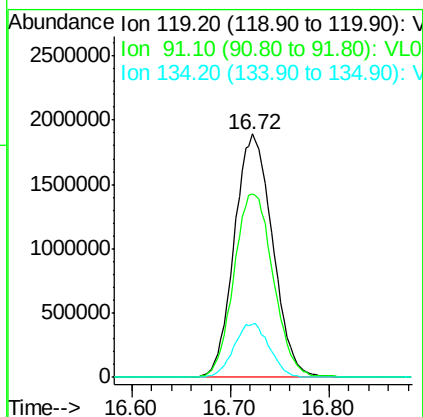
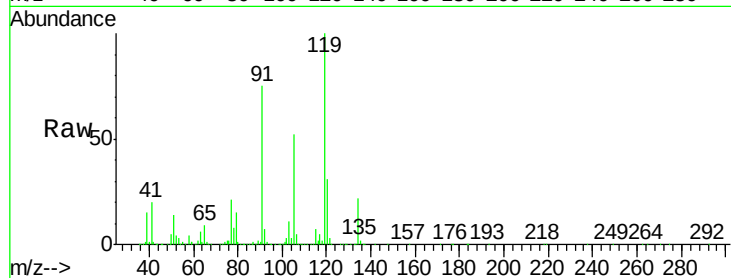
#65
tert-Butylbenzene
Concen: 10.231 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion: 119 Resp: 5075481
Ion Ratio Lower Upper
119 100
91 77.6 62.6 94.0
134 20.8 16.3 24.5

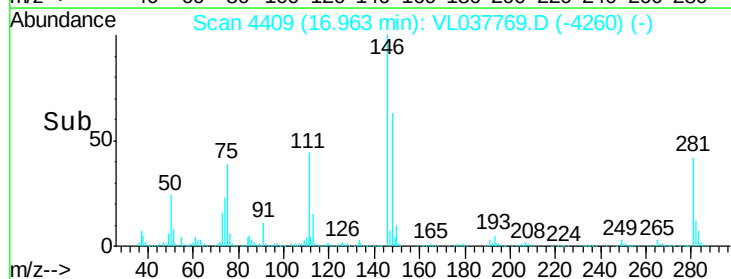
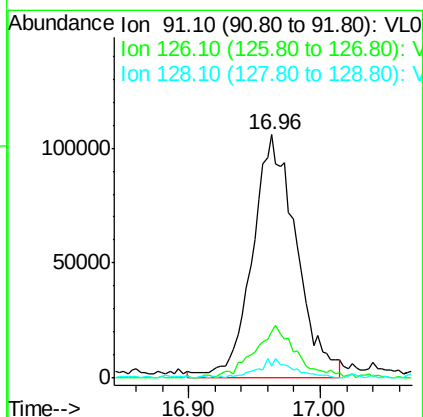
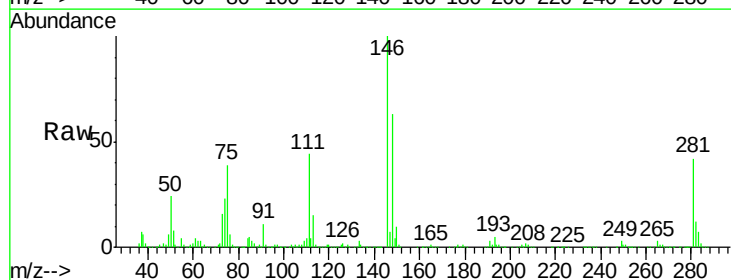
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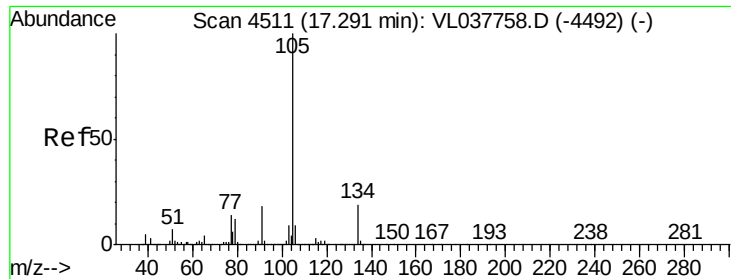
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#66
Benzyl Chloride
Concen: 10.065 ppbv m
RT: 16.96 min Scan# 4409
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion: 91 Resp: 246425
Ion Ratio Lower Upper
91 100
126 21.7 0.0 0.0#
128 6.4 5.3 7.9





#67

sec-Butylbenzene

Concen: 10.454 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.02 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 105 Resp: 7092775

Ion Ratio Lower Upper

105 100

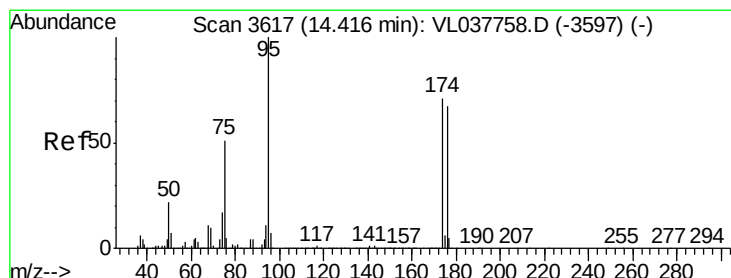
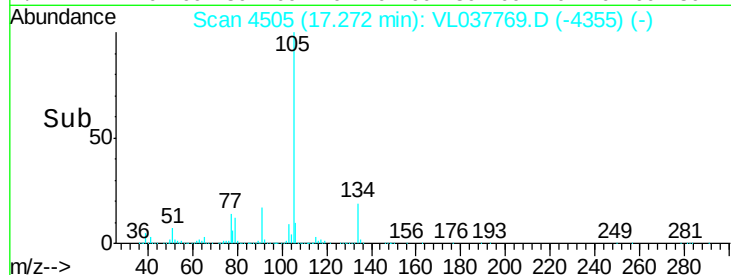
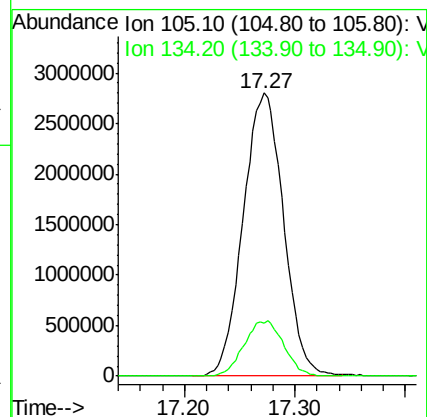
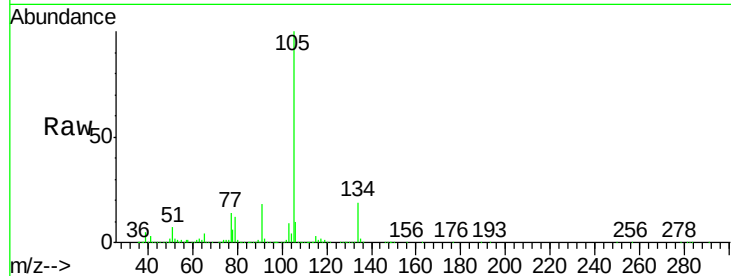
134 19.4 15.4 23.0

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.552 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.02 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

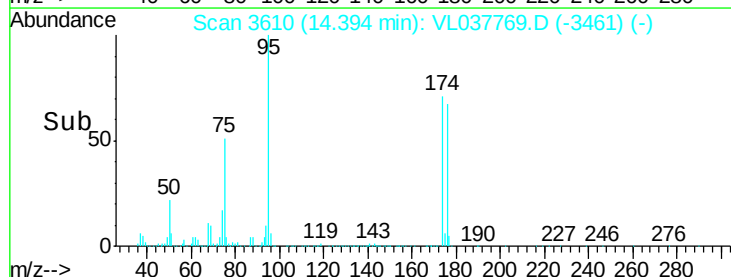
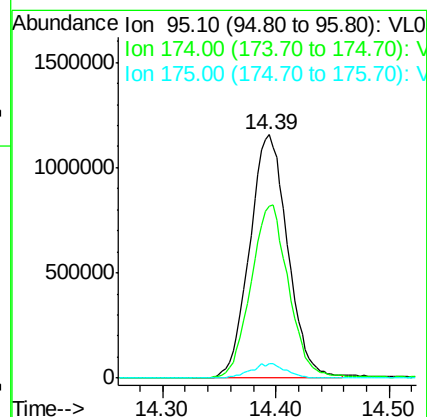
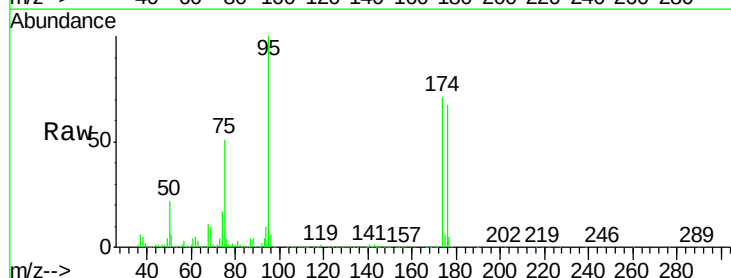
Tgt Ion: 95 Resp: 2699830

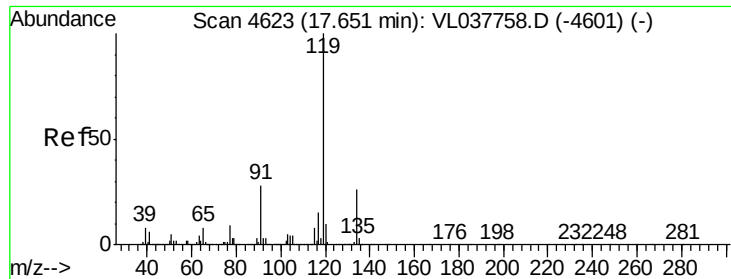
Ion Ratio Lower Upper

95 100

174 70.8 57.8 86.6

175 5.5 4.7 7.1





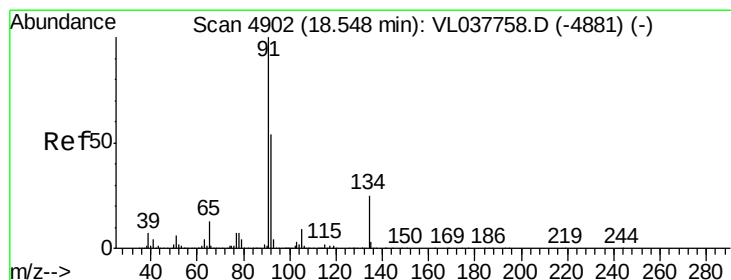
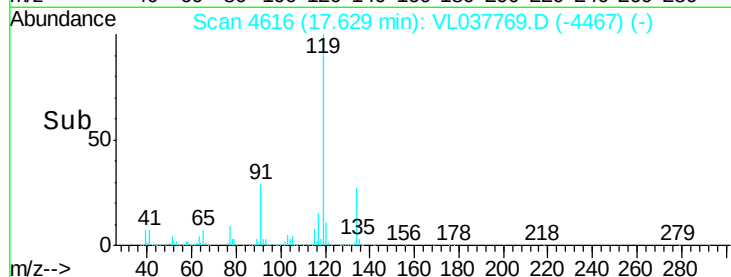
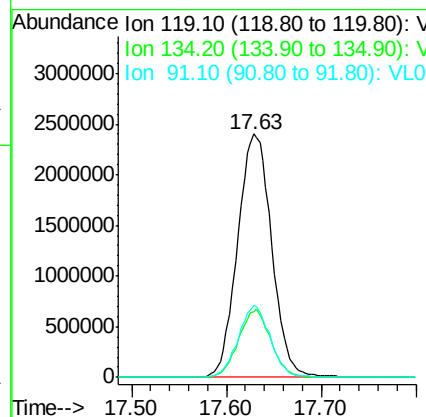
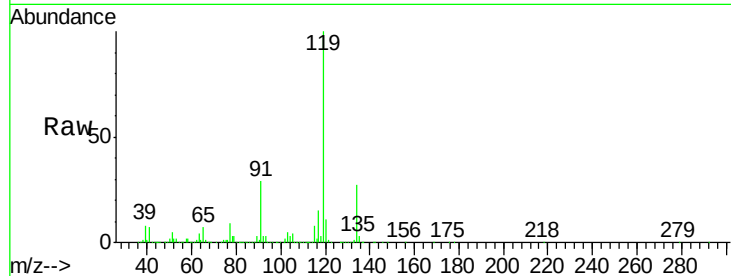
#69
p-Isopropyltoluene
Concen: 10.957 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion: 119 Resp: 6010573
Ion Ratio Lower Upper
119 100
134 26.4 21.2 31.8
91 27.7 22.2 33.4

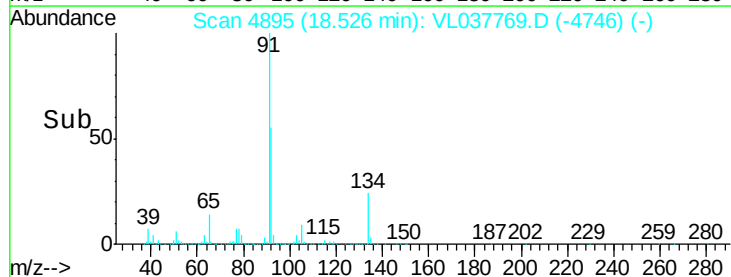
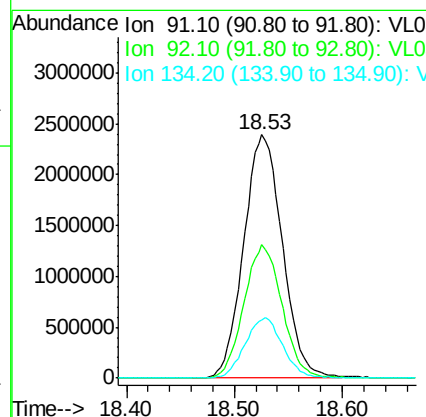
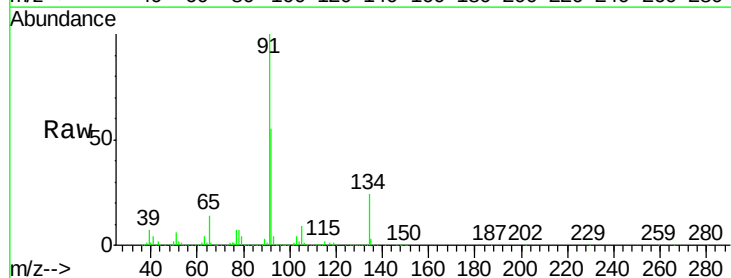
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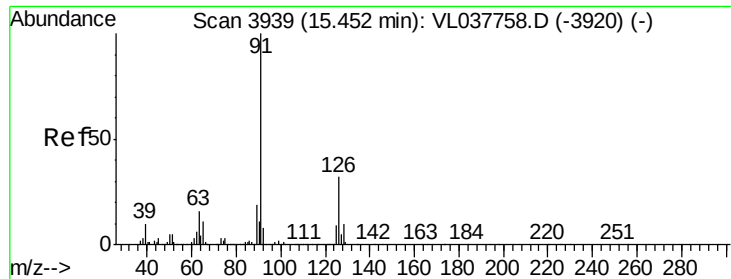
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#70
n-Butylbenzene
Concen: 11.432 ppbv
RT: 18.53 min Scan# 4895
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion: 91 Resp: 5957441
Ion Ratio Lower Upper
91 100
92 54.3 43.4 65.0
134 24.3 19.8 29.6





#71

2-Chlorotoluene

Concen: 10.986 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. -0.02 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Instrument :

MSVOA_L

ClientSampleId :

VL1005ABS01

Tgt Ion: 91 Resp: 4373432

Ion Ratio Lower Upper

91 100

126 32.8

13.6

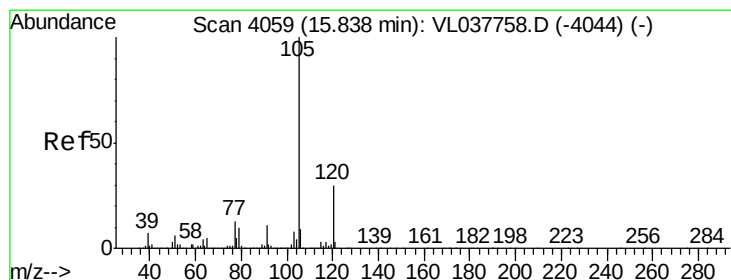
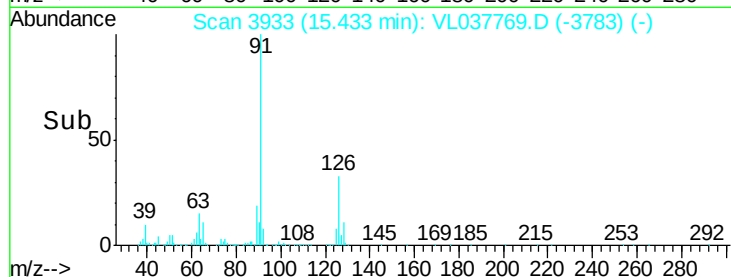
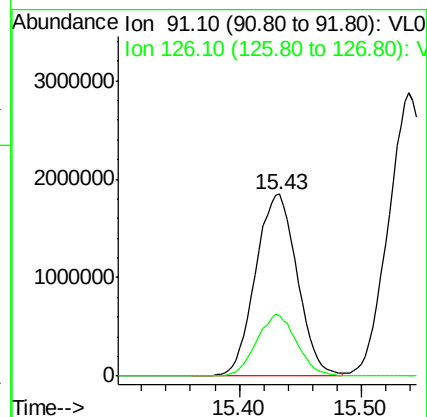
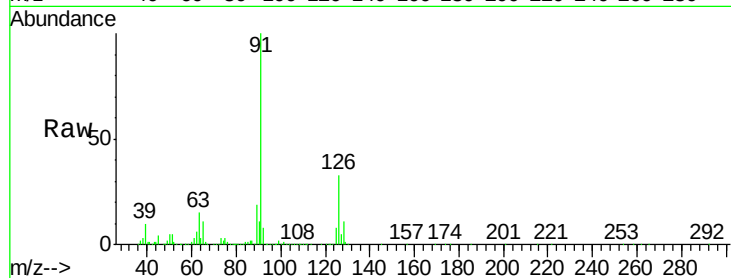
54.6

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#72

4-Ethyltoluene

Concen: 10.999 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.02 min

Lab File: VL037769.D

Acq: 5 Oct 2021 11:28

Tgt Ion: 105 Resp: 5047970

Ion Ratio Lower Upper

105 100

120 30.6

24.2

36.2

91 12.4

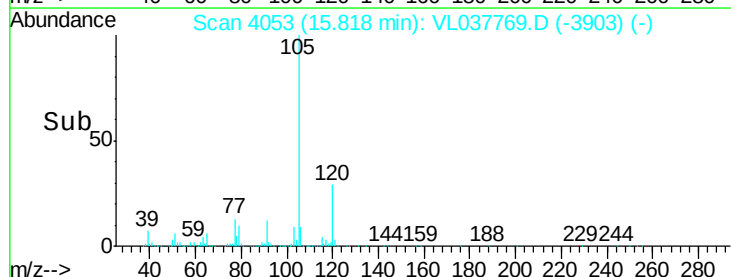
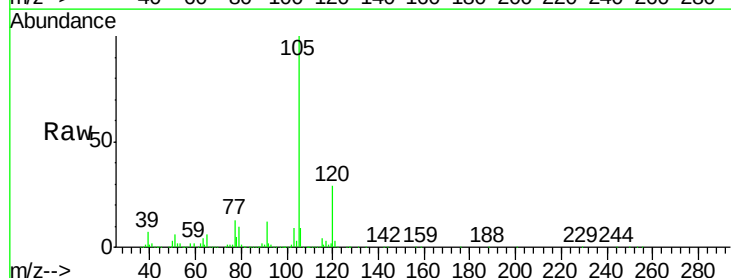
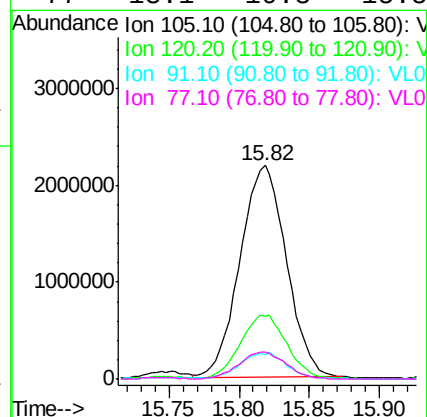
10.4

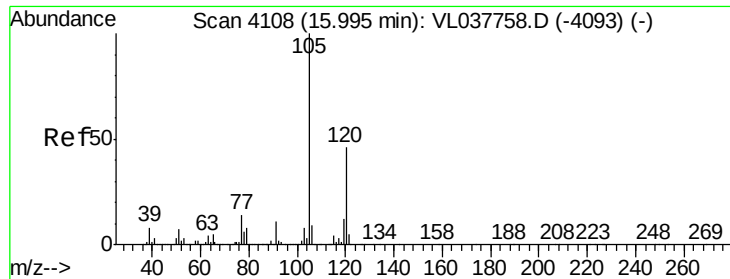
15.6

77 13.1

10.3

15.5





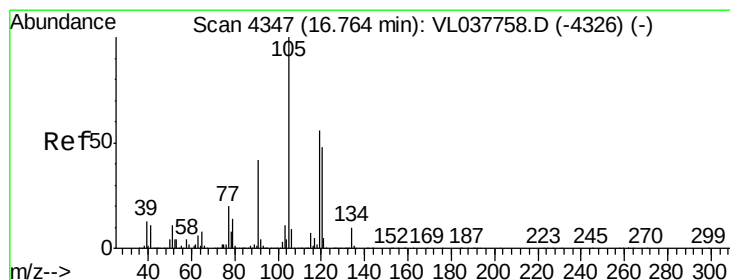
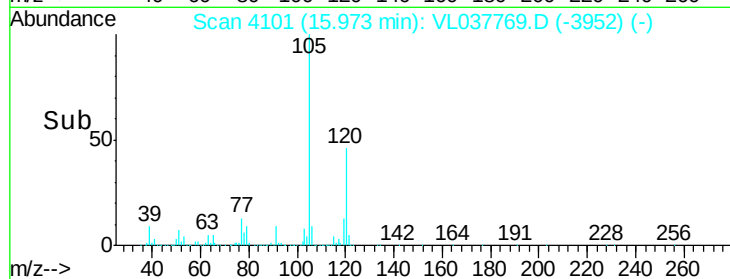
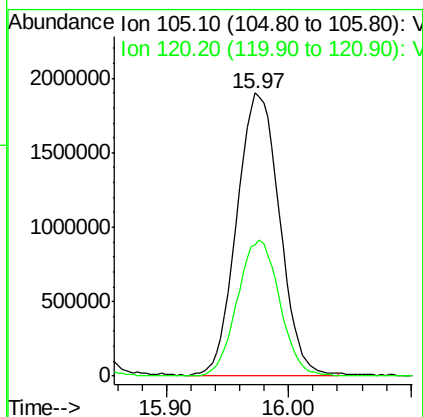
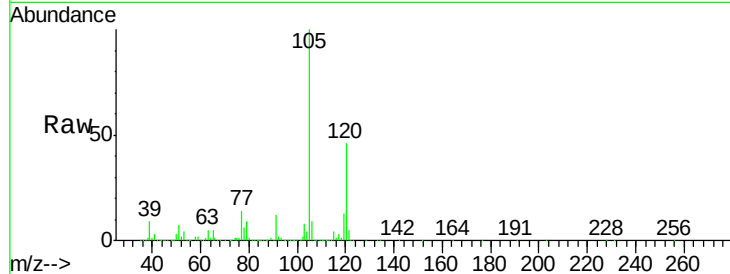
#73
 1,3,5-Trimethylbenzene
 Concen: 10.960 ppbv
 RT: 15.97 min Scan# 4101
 Delta R.T. -0.02 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1005ABS01

Tgt Ion:105 Resp: 4568892
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.6 54.8

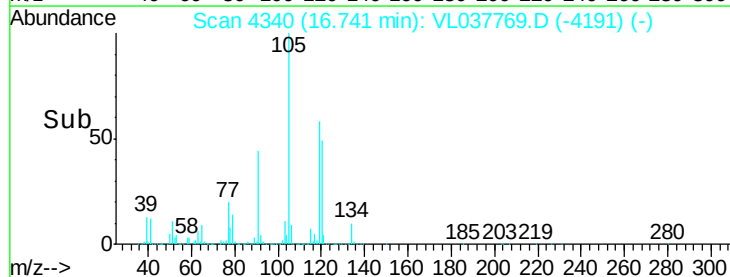
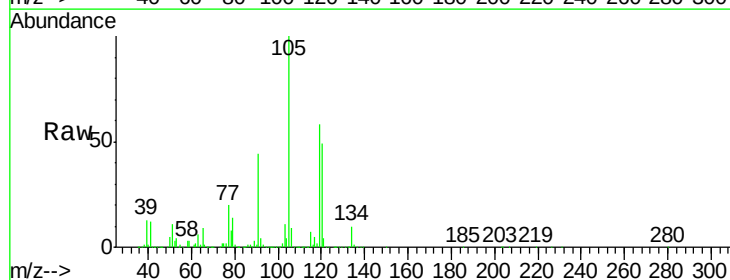
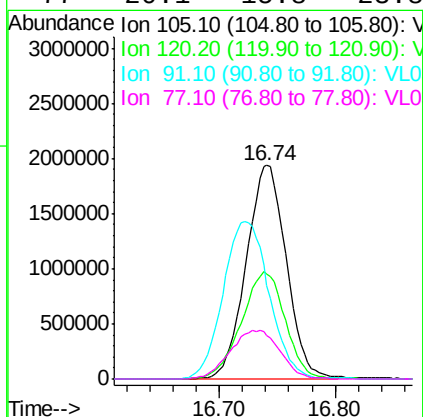
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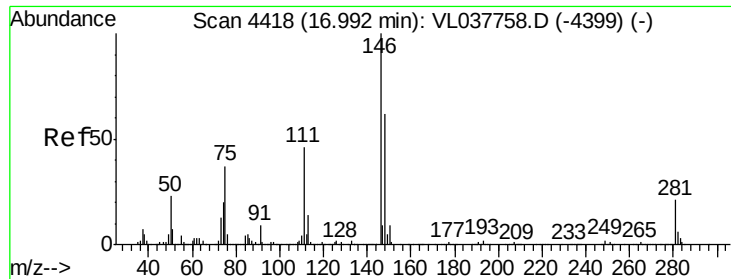
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.639 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.02 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Tgt Ion:105 Resp: 4657141
 Ion Ratio Lower Upper
 105 100
 120 49.2 38.4 57.6
 91 43.6 34.2 51.2
 77 20.1 15.8 23.8





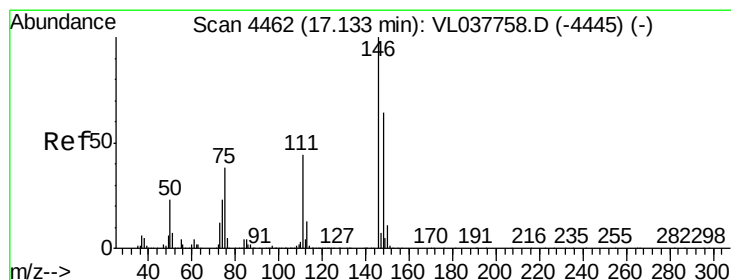
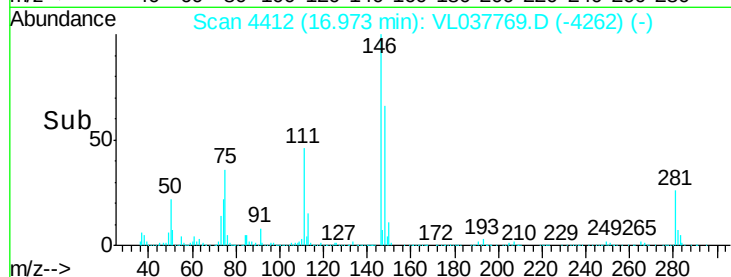
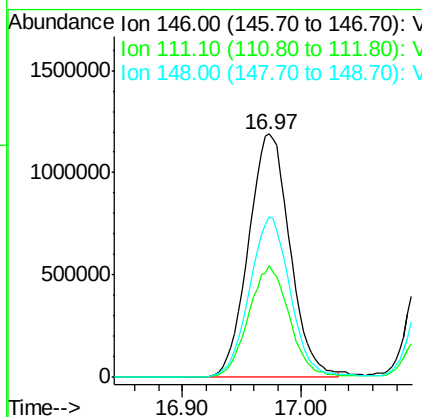
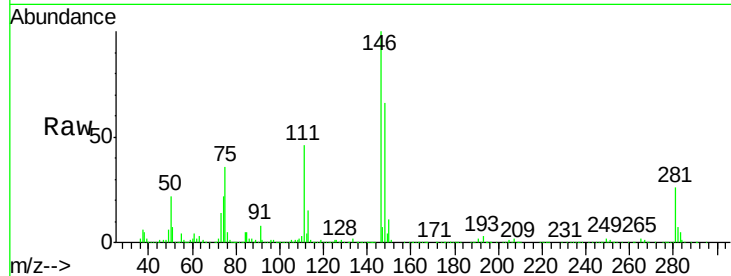
#75
 1,3-Dichlorobenzene
 Concen: 10.581 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.02 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1005ABS01

Tgt Ion:146 Resp: 2869677
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.8 68.4
 148 65.0 32.8 98.3

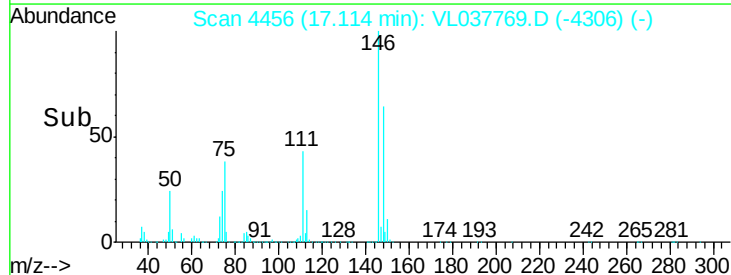
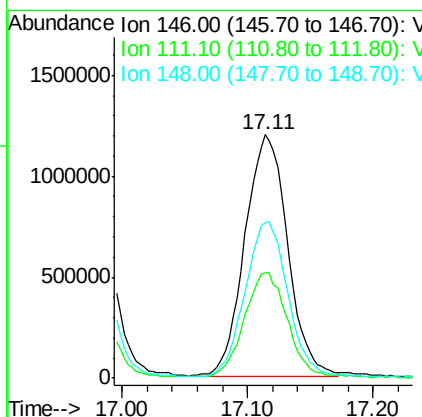
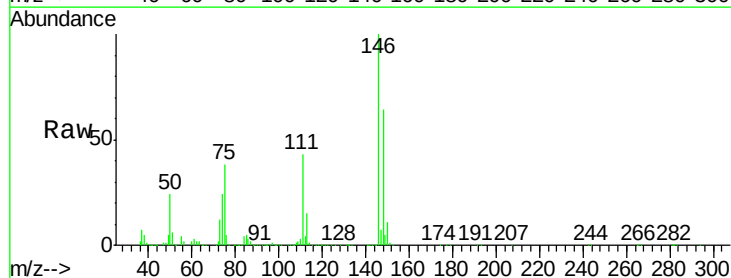
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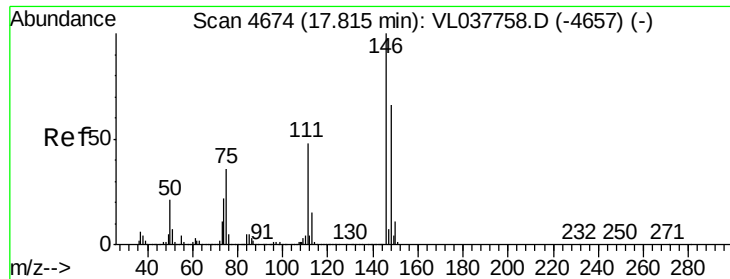
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#76
 1,4-Dichlorobenzene
 Concen: 10.932 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.02 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Tgt Ion:146 Resp: 2828432
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.4 67.3
 148 66.3 33.3 99.9





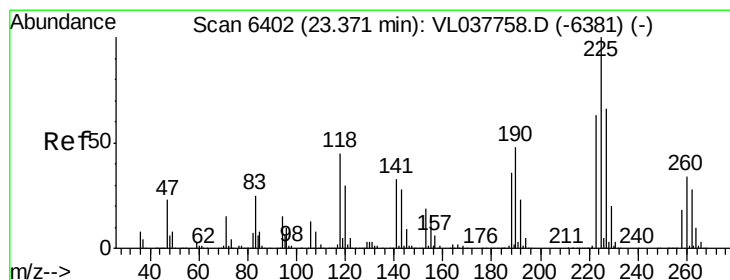
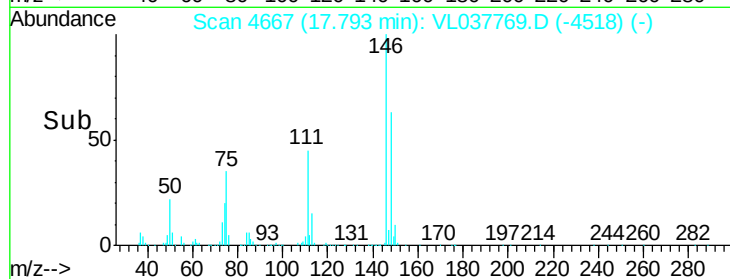
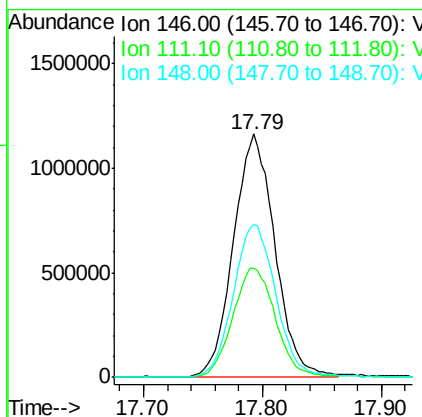
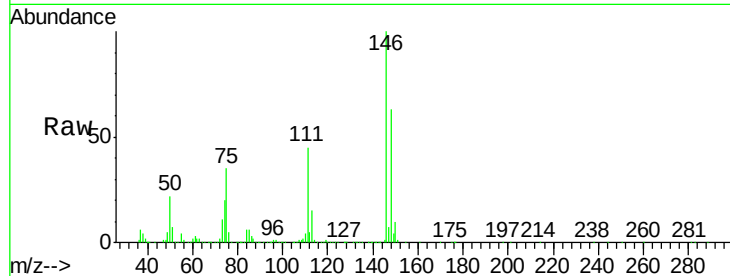
#77
 1,2-Dichlorobenzene
 Concen: 10.684 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.02 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1005ABS01

Tgt Ion:146 Resp: 2783604
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.6 70.8
 148 64.9 32.9 98.6

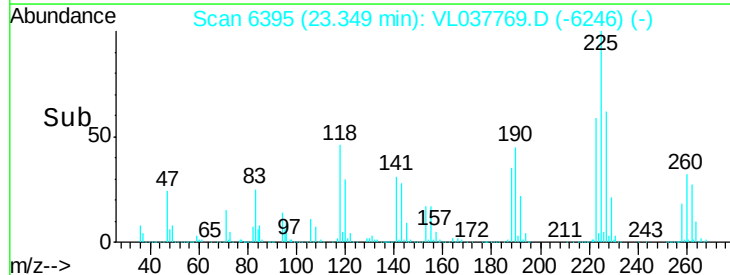
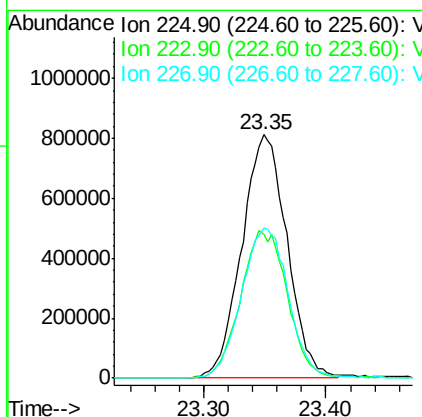
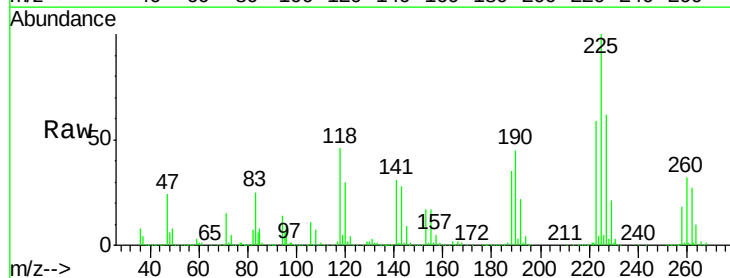
Manual Integrations
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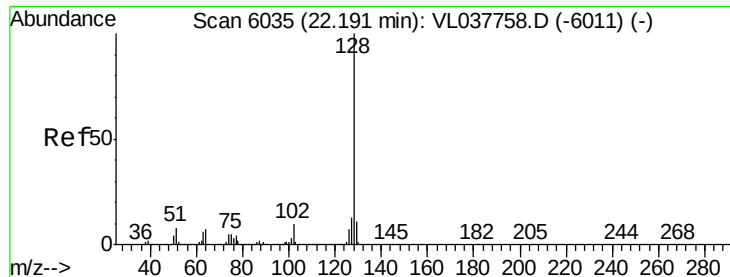
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.759 ppbv
 RT: 23.35 min Scan# 6395
 Delta R.T. -0.02 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Tgt Ion:225 Resp: 2076040
 Ion Ratio Lower Upper
 225 100
 223 63.0 51.2 76.8
 227 64.2 51.1 76.7





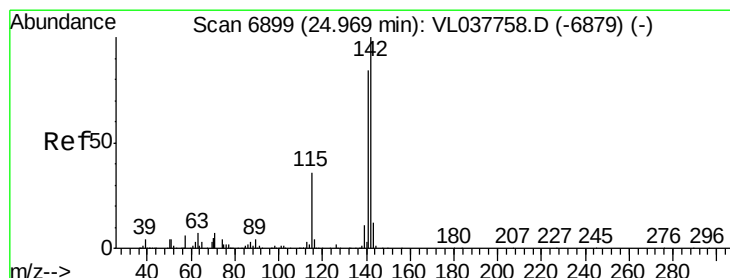
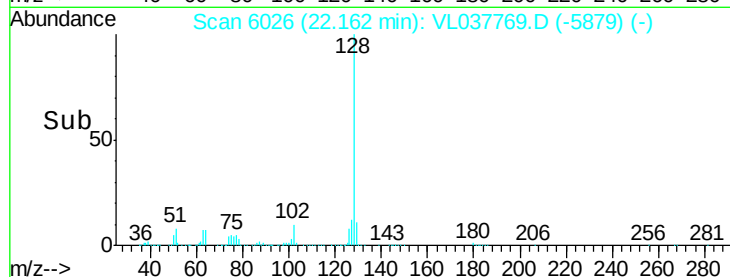
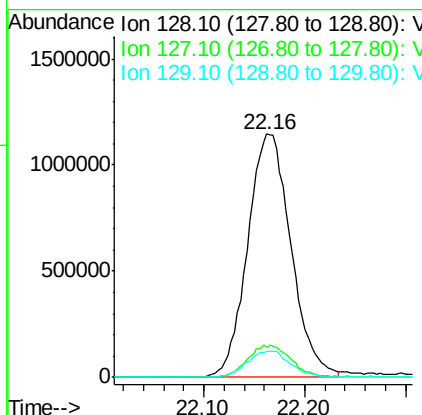
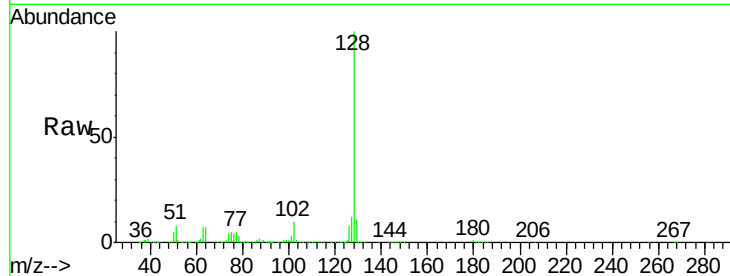
#79
Naphthalene
Concen: 12.719 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.03 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Instrument :
MSVOA_L
ClientSampleId :
VL1005ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	10.7	9.1	13.7

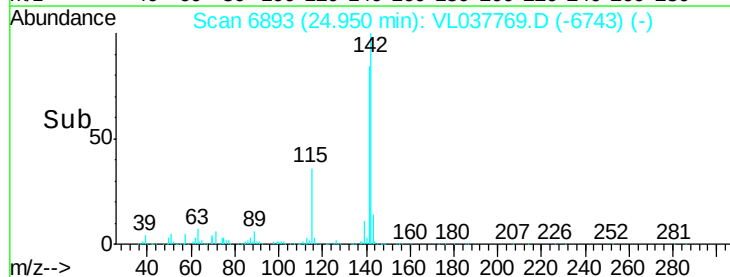
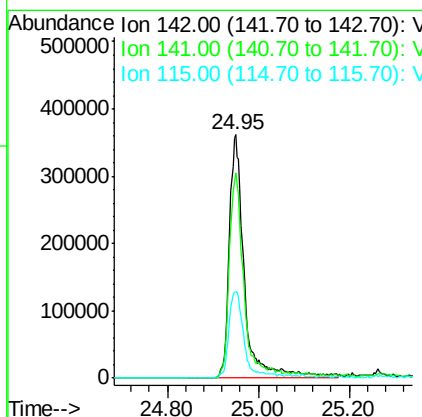
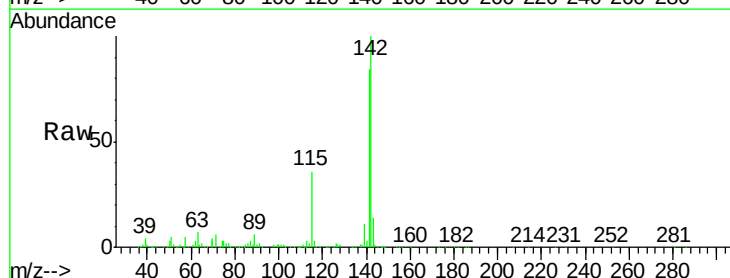
Manual Integrations
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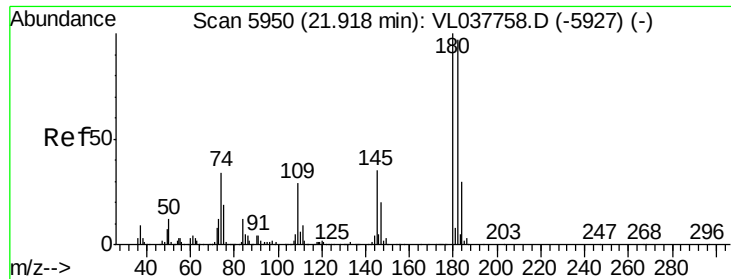
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#80
Naphthalene, 2-methyl-
Concen: 11.661 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. -0.02 min
Lab File: VL037769.D
Acq: 5 Oct 2021 11:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.3	68.6	102.8
115	35.3	29.0	43.6





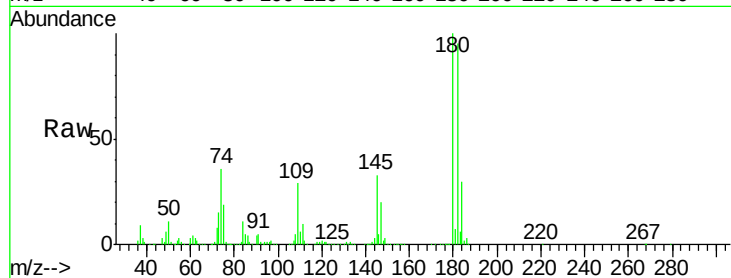
#81
 1,2,4-Trichlorobenzene
 Concen: 11.901 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. -0.02 min
 Lab File: VL037769.D
 Acq: 5 Oct 2021 11:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1005ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.6	116.4
184	31.4	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
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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

