

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037755.D
 Acq On : 1 Oct 2021 23:46
 Operator : SY/AP
 Sample : VL1001ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Manual Integrations
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 10/4/2021 5:50:20 PM

Quant Time: Oct 02 19:37:15 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	5.65	49	1446927	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4261183	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3861038	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2708513	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1770105m	6.761	ppbv
3) Chlorodifluoromethane	2.98	51	2528354	9.264	ppbv 100
4) Chloromethane	3.13	50	959029	9.511	ppbv 95
5) Vinyl Chloride	3.25	62	945717	9.985	ppbv 99
6) Bromomethane	3.47	94	525758	9.551	ppbv 95
7) Chloroethane	3.55	64	331982	9.379	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2142185	9.484	ppbv 99
9) Propene	3.00	41	897131	9.319	ppbv 97
10) Heptane	8.11	43	2305871	10.265	ppbv 100
11) Trichlorofluoromethane	3.94	101	1965777	9.352	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1445251	9.315	ppbv 100
13) Ethanol	3.60	45	98909m	10.504	ppbv
14) Bromoethene	3.73	108	665479	9.422	ppbv 98
15) Acetone	3.84	43	1177538	7.833	ppbv 99
16) 1,3-Butadiene	3.32	39	918743	9.780	ppbv 100
17) tert-Butyl alcohol	4.28	59	1278907	10.032	ppbv 99
18) 1,1-Dichloroethene	4.28	96	678564	9.388	ppbv 99
19) Isopropyl Alcohol	3.96	45	770375	9.418	ppbv # 97
20) Methylene Chloride	4.34	84	555061	7.734	ppbv 96
21) Allyl Chloride	4.40	41	1102316	9.815	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	689823	9.486	ppbv 97
23) Vinyl Acetate	5.06	43	2062289	9.913	ppbv 97
24) 1,1-Dichloroethane	5.00	63	1384899	9.293	ppbv 99
25) Ethyl Acetate	5.66	43	3545957	9.739	ppbv 100
26) Hexane	5.67	57	1653255	9.559	ppbv 97
27) Carbon Disulfide	4.54	76	1575385	9.957	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1404049	9.216	ppbv 99
29) Chloroform	5.74	83	2383595	9.438	ppbv 97
30) Cyclohexane	7.11	84	1402085	9.478	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1583261	10.083	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	2267854	9.645	ppbv 99
34) 2-Butanone	5.23	43	1578079	9.113	ppbv 99
35) Carbon Tetrachloride	7.01	117	2353113	9.762	ppbv 99
36) Benzene	6.88	78	3478602	9.790	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1674935	9.584	ppbv 99
38) Trichloroethene	7.82	130	1352222	9.110	ppbv 98
39) 1,2-Dichloropropane	7.60	63	1314784	9.661	ppbv 96
40) 1,4-Dioxane	7.82	88	310235	9.371	ppbv # 1
41) Tetrahydrofuran	6.03	42	815923	10.023	ppbv 99
42) Bromodichloromethane	7.78	83	2491043	9.945	ppbv 99
43) Methyl Methacrylate	8.00	69	1217188	10.297	ppbv 96

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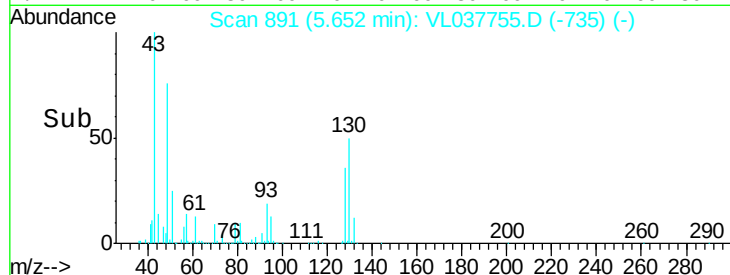
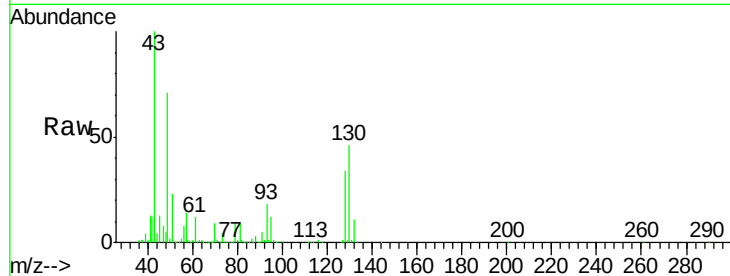
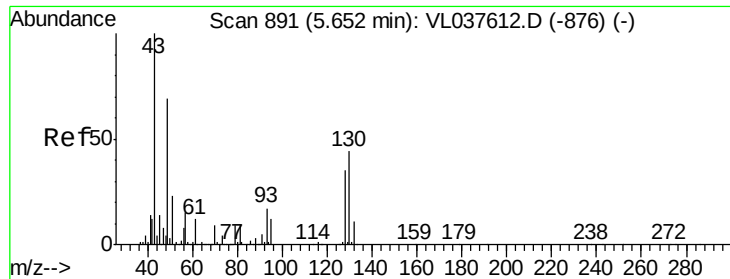
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5774105	9.666	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1071447	11.539	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	1443949	11.513	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1376424	9.143	ppbv	98
48) Dibromochloromethane	10.28	129	2111860	10.055	ppbv	99
49) Bromoform	13.02	173	1639885	9.756	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2228755	10.140	ppbv	99
51) 2-Hexanone	10.12	43	1046375	10.790	ppbv #	100
52) Tetrachloroethene	11.20	164	1246712	9.139	ppbv	98
53) Toluene	9.79	91	3988970	10.100	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1960263	9.509	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1465202	9.149	ppbv #	50
57) Chlorobenzene	12.13	112	2842218	8.855	ppbv	98
58) Ethyl Benzene	12.69	91	4986756	9.730	ppbv	99
59) m/p-Xylene	12.98	91	8312759m	18.612	ppbv	
60) o-Xylene	13.67	91	3848674	9.053	ppbv	98
61) Styrene	13.51	104	2161422	10.311	ppbv	98
62) Isopropylbenzene	14.65	105	5322494	8.962	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2715914	8.163	ppbv	99
64) n-propylbenzene	15.54	120	1401420	9.145	ppbv	82
65) tert-Butylbenzene	16.72	119	4735938	8.845	ppbv	100
66) Benzyl Chloride	16.96	91	270998	9.261	ppbv	97
67) sec-Butylbenzene	17.27	105	6566711	9.039	ppbv	98
69) p-Isopropyltoluene	17.63	119	5493580	9.256	ppbv	100
70) n-Butylbenzene	18.53	91	5414106	9.641	ppbv	99
71) 2-Chlorotoluene	15.43	91	3860428	9.071	ppbv	98
72) 4-Ethyltoluene	15.82	105	4671066	9.572	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4173944	9.176	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4355203	9.090	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	2594336	8.716	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2497641	8.507	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	2493129	8.831	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2040519	8.587	ppbv	99
79) Naphthalene	22.17	128	3572835	12.145	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	918660	13.662	ppbv	100
81) 1,2,4-Trichlorobenzene	21.90	180	2075726	10.990	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

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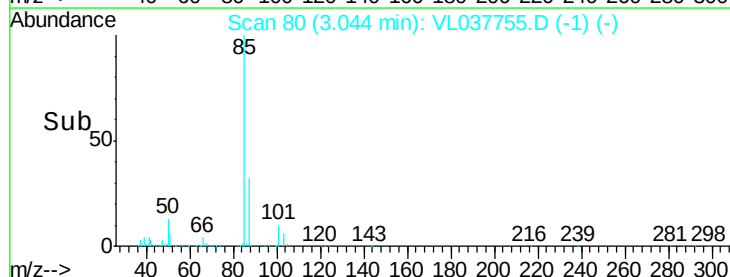
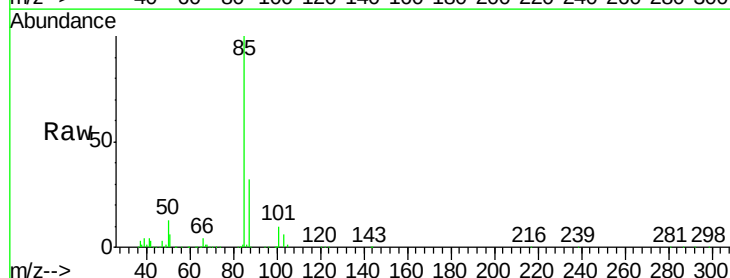
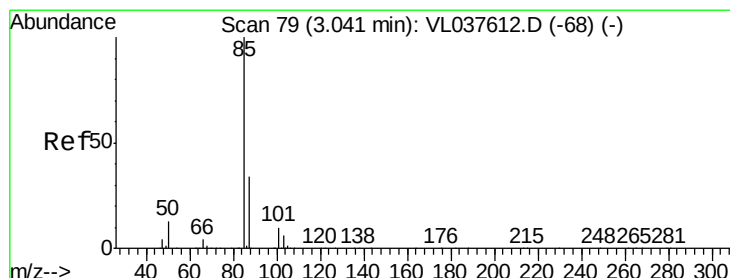
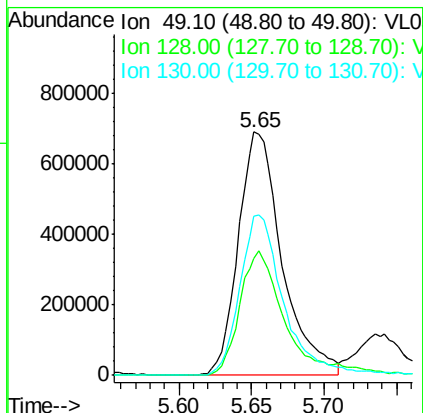
Acq: 1 Oct 2021 23:46

Tot Ion	Ratio	Lower	Upper
49	100		
128	54.1	27.9	83.6
130	66.9	33.9	101.7

Instrument :
MSVOA_L
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VL1001ABS01

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#2

Dichlorodifluoromethane

Concen: 6.761 ppbv m

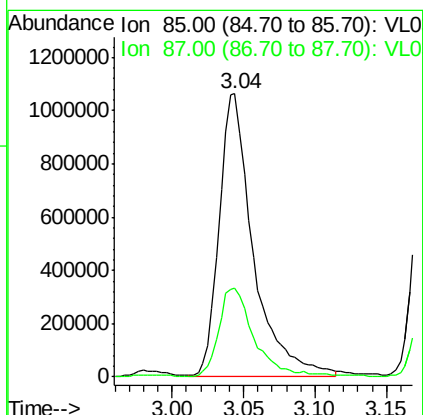
RT: 3.04 min Scan# 80

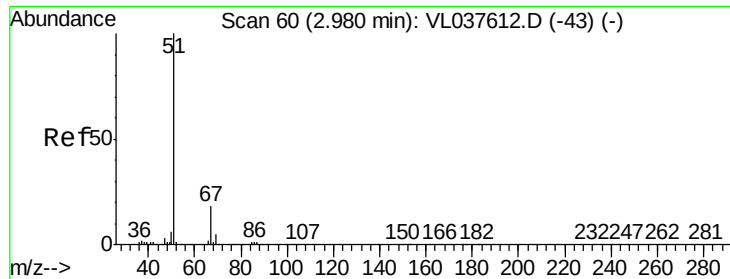
Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	26.8	40.2





#3

Chlorodifluoromethane

Concen: 9.264 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Tot Ion: 51 Resp: 2528354

Ion Ratio Lower Upper

51 100

67 17.4 14.0 21.0

Instrument :

MSVOA_L

ClientSampleId :

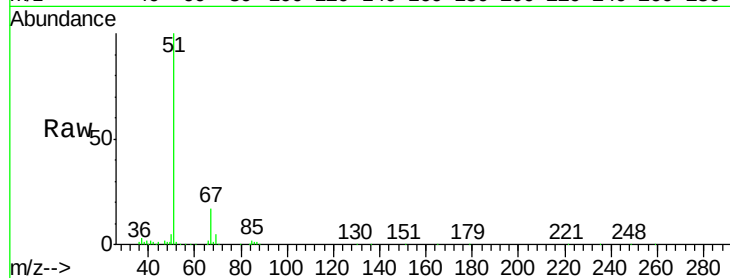
VL1001ABS01

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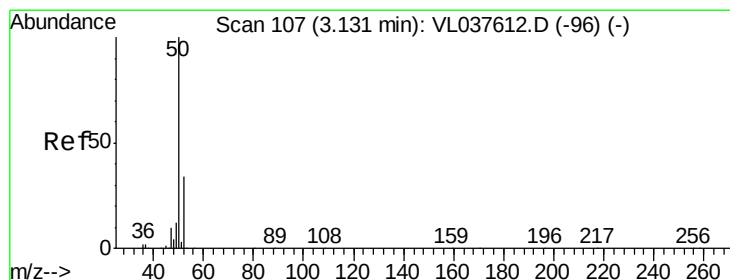
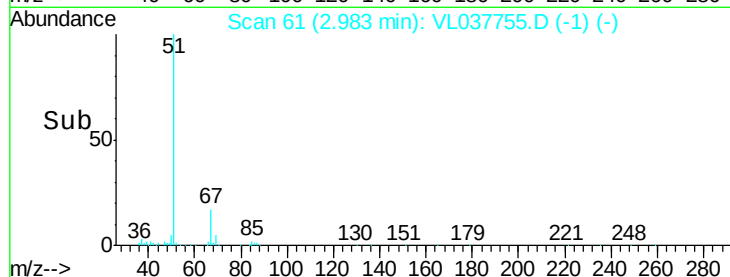
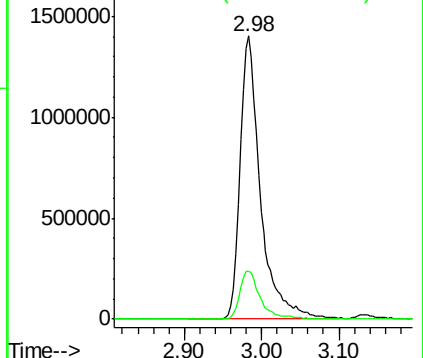
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.511 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL037755.D

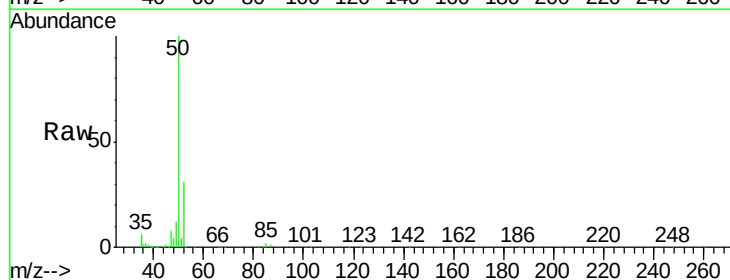
Acq: 1 Oct 2021 23:46

Tgt Ion: 50 Resp: 959029

Ion Ratio Lower Upper

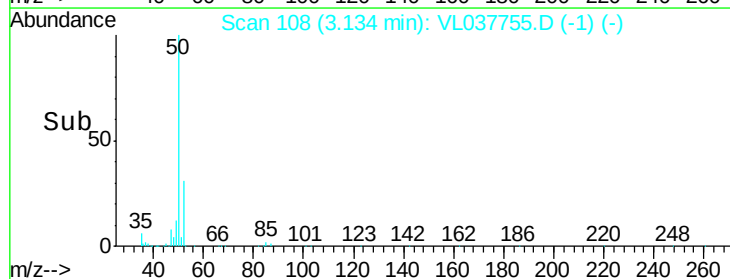
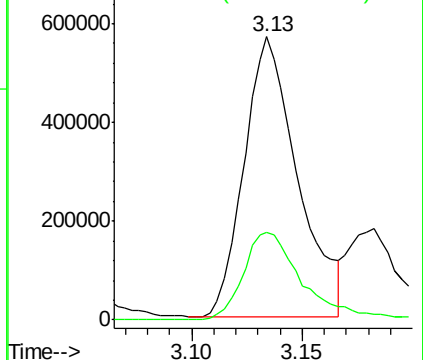
50 100

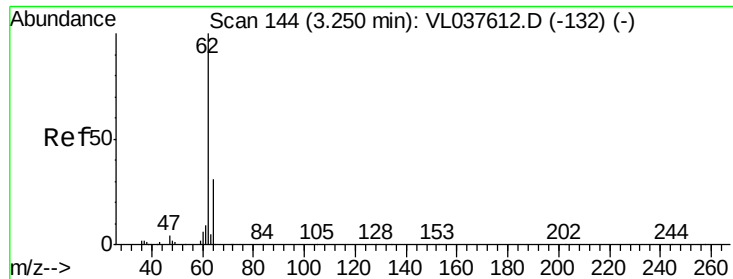
52 31.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.985 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 62 Resp: 945717

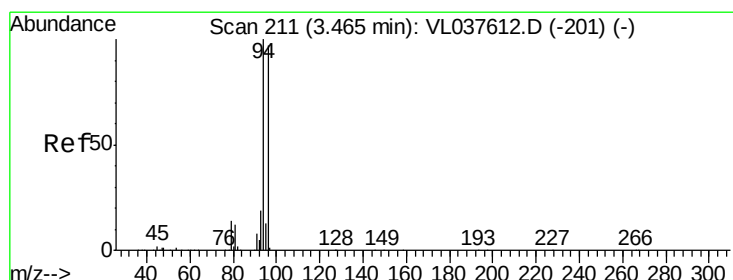
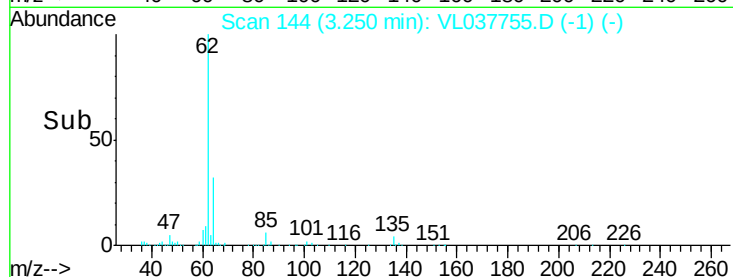
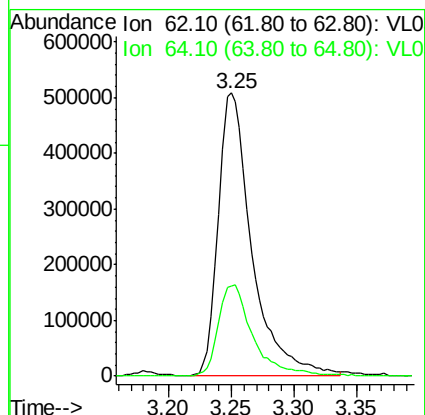
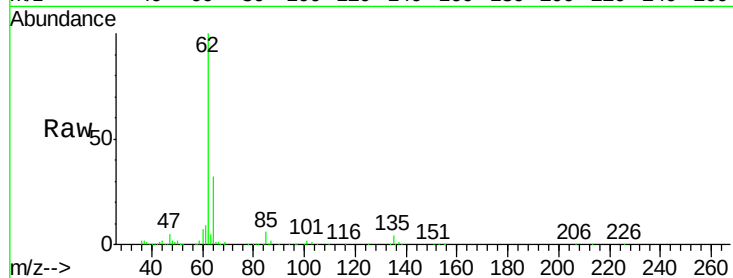
Ion Ratio Lower Upper

62 100

64 31.9 24.9 37.3

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#6

Bromomethane

Concen: 9.551 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL037755.D

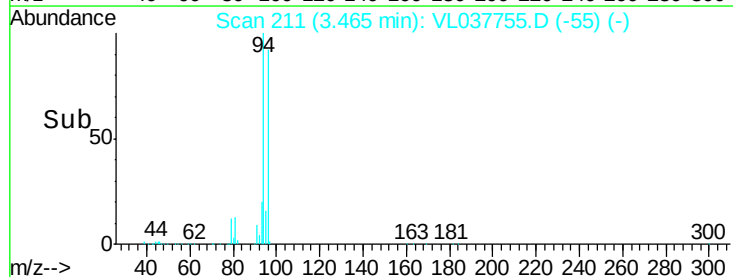
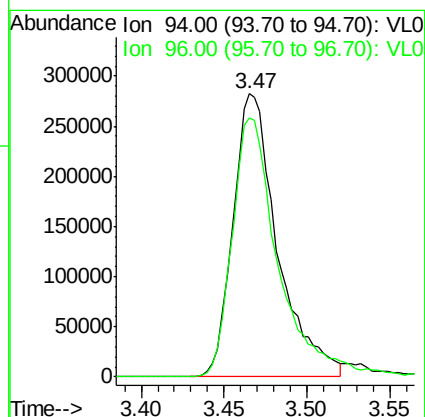
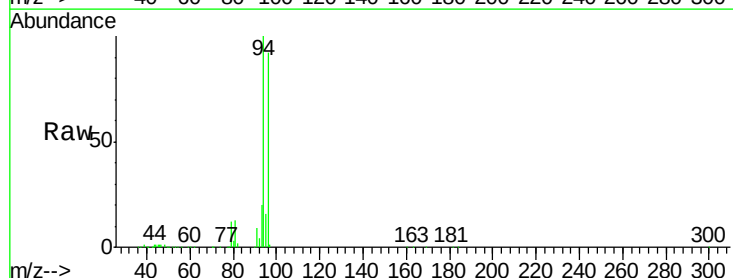
Acq: 1 Oct 2021 23:46

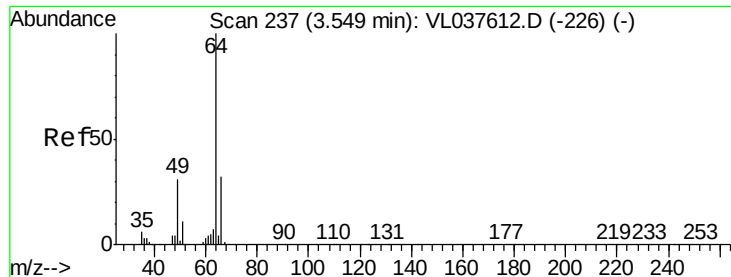
Tgt Ion: 94 Resp: 525758

Ion Ratio Lower Upper

94 100

96 91.8 77.3 115.9





#7

Chloroethane

Concen: 9.379 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 64 Resp: 331982

Ion Ratio Lower Upper

64 100

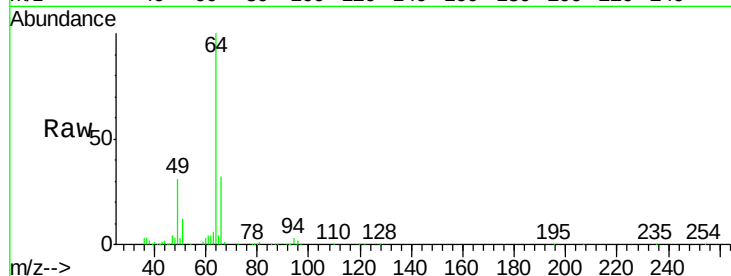
66 32.4 25.3 37.9

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

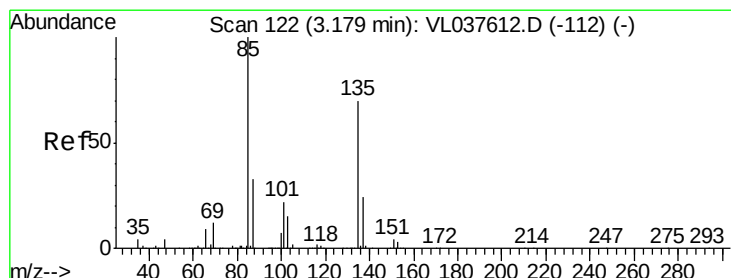
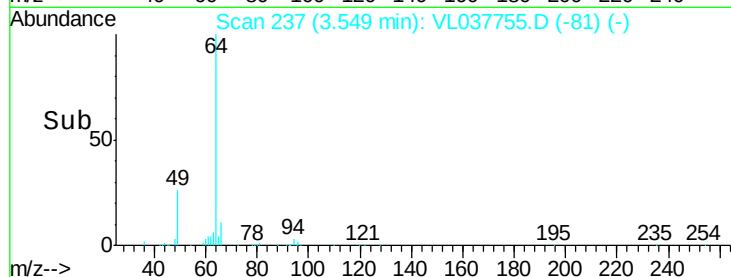
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.484 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL037755.D

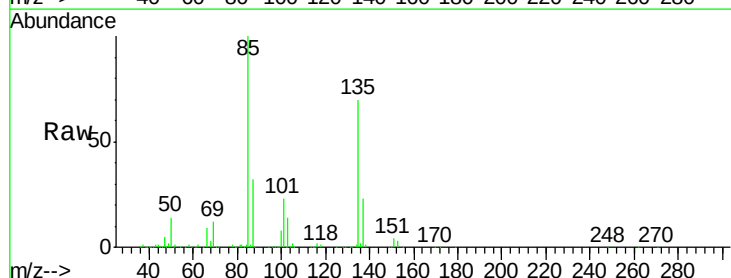
Acq: 1 Oct 2021 23:46

Tgt Ion: 85 Resp: 2142185

Ion Ratio Lower Upper

85 100

135 73.0 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

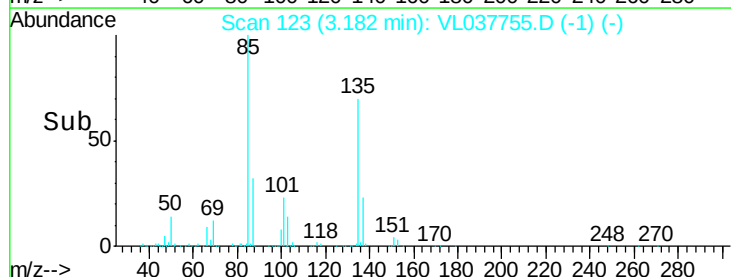
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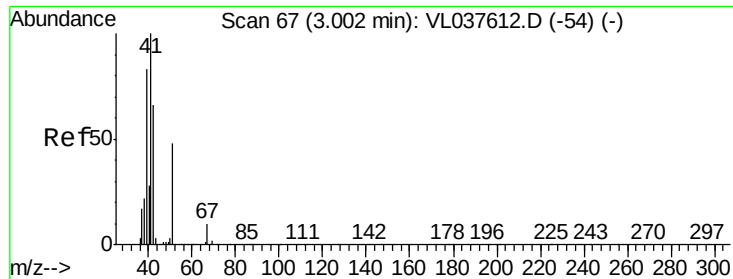
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500000

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Time-->





#9

Propene

Concen: 9.319 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 41 Resp: 897131

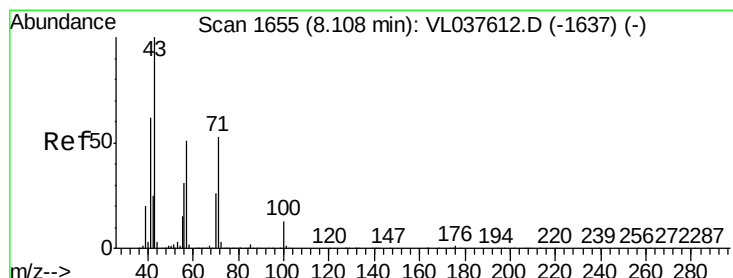
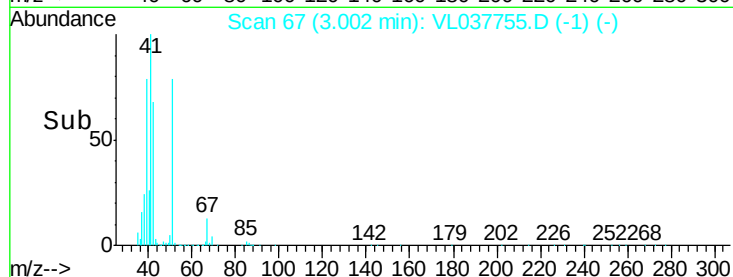
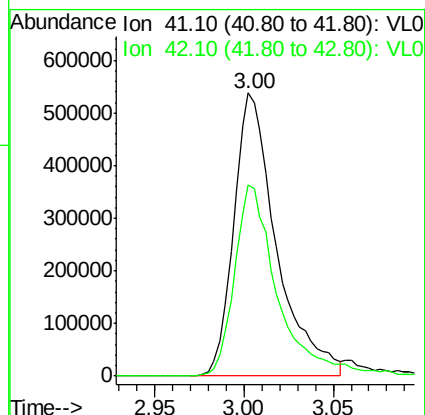
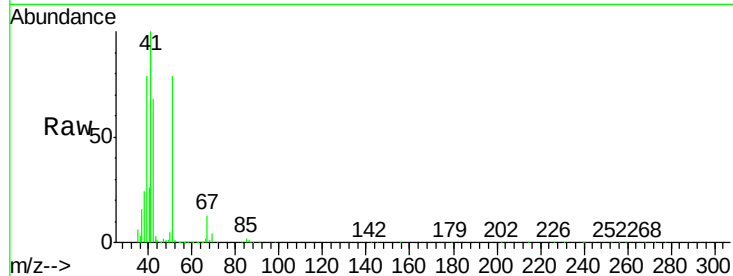
Ion Ratio Lower Upper

41 100

42 69.4 57.2 85.8

Manual Integrations
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#10

Heptane

Concen: 10.265 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL037755.D

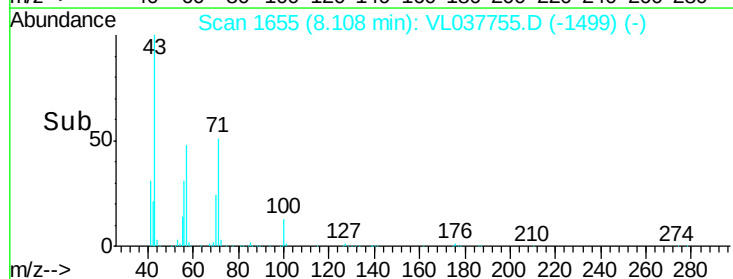
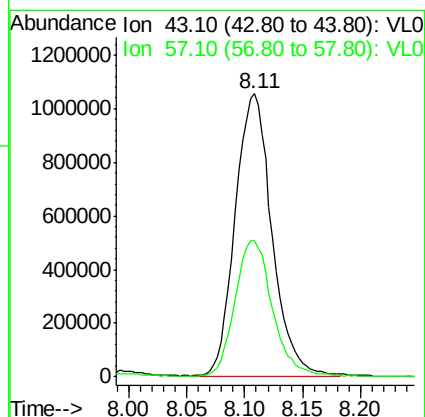
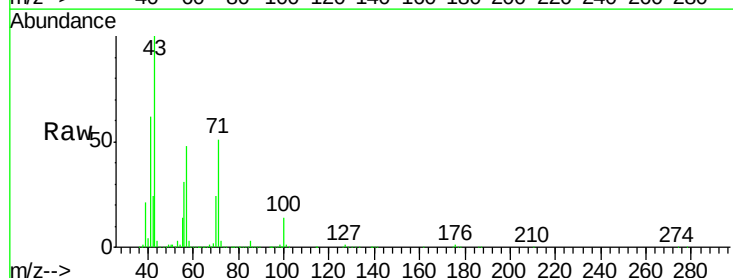
Acq: 1 Oct 2021 23:46

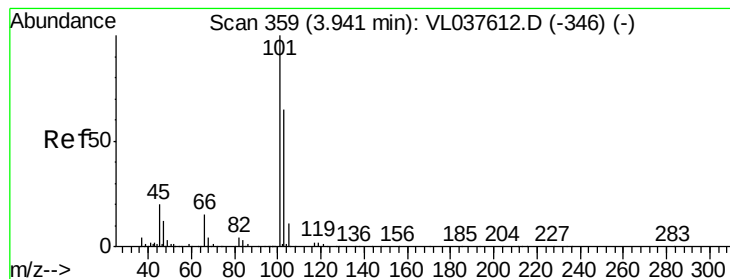
Tgt Ion: 43 Resp: 2305871

Ion Ratio Lower Upper

43 100

57 49.9 40.1 60.1





#11

Trichlorofluoromethane

Concen: 9.352 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion:101 Resp: 1965777

Ion Ratio Lower Upper

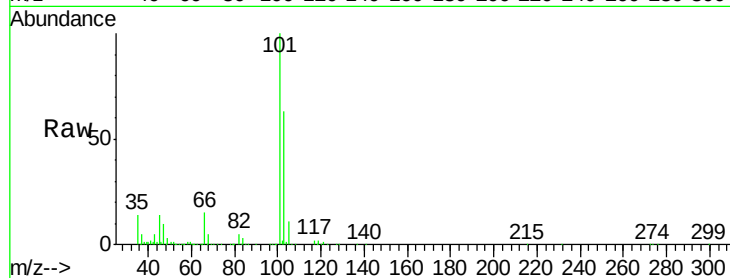
101 100

103 63.2 51.9 77.9

Manual Integrations
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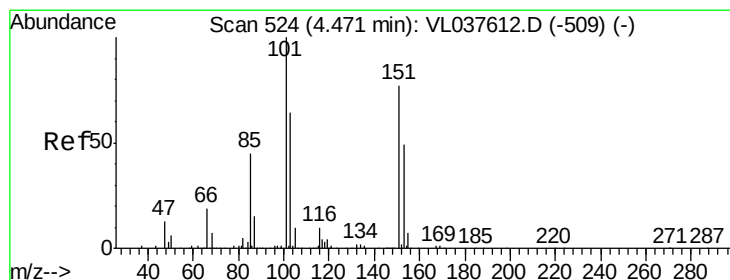
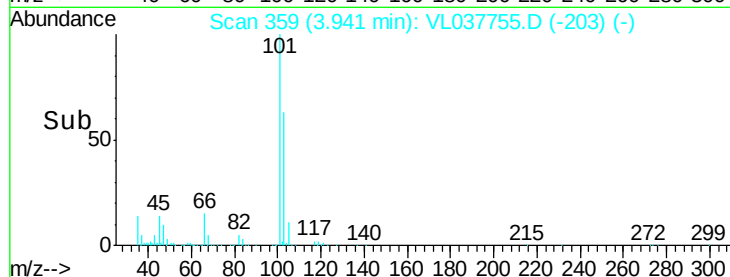
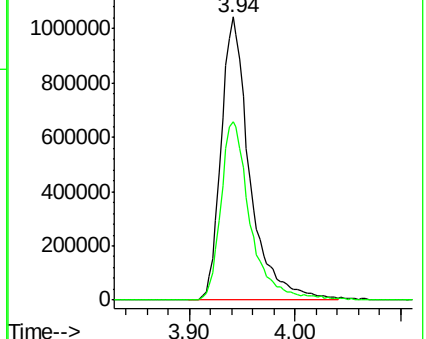
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.315 ppbv

RT: 4.47 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL037755.D

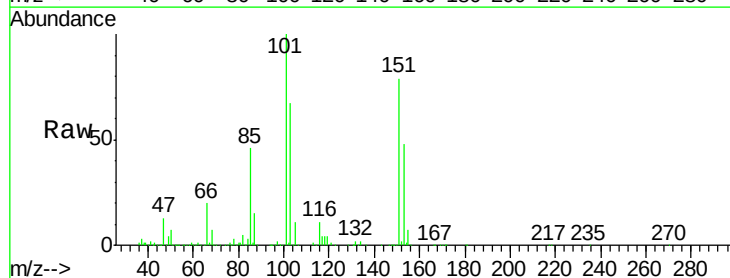
Acq: 1 Oct 2021 23:46

Tgt Ion:101 Resp: 1445251

Ion Ratio Lower Upper

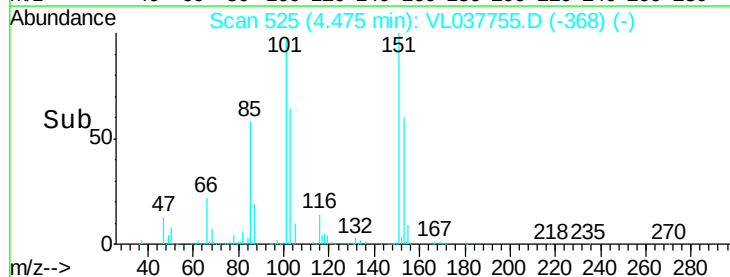
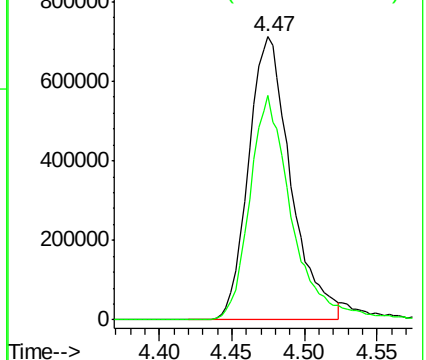
101 100

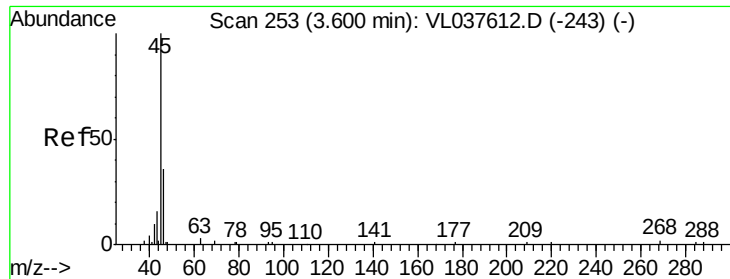
151 79.7 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 10.504 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 45 Resp: 98909

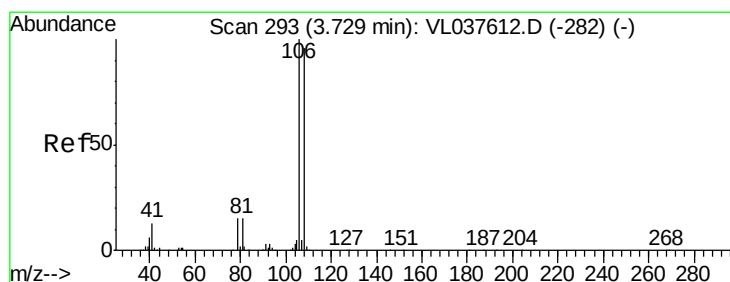
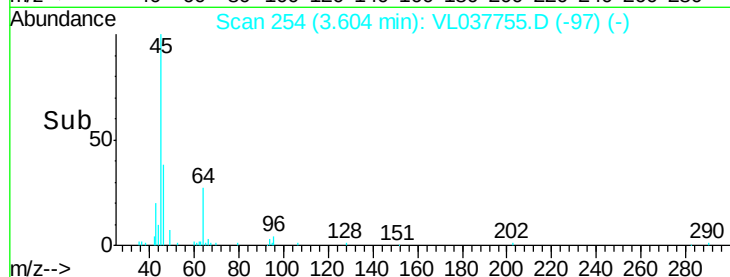
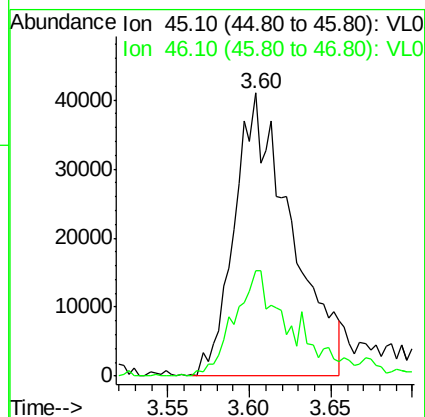
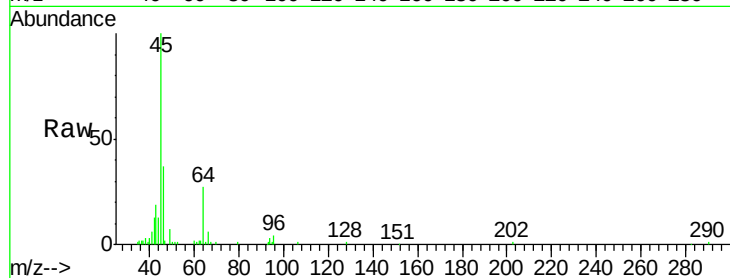
Ion Ratio Lower Upper

45 100

46 40.2 17.2 68.8

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#14

Bromoethene

Concen: 9.422 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

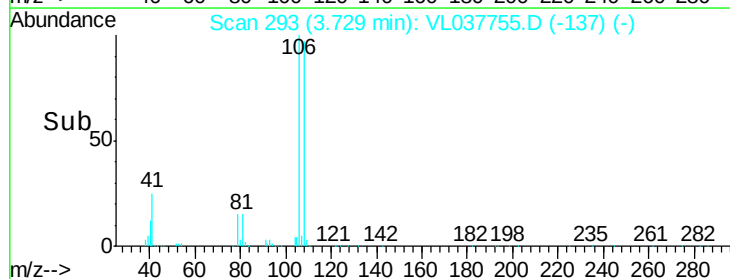
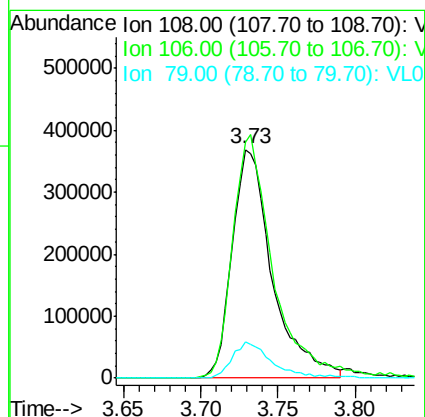
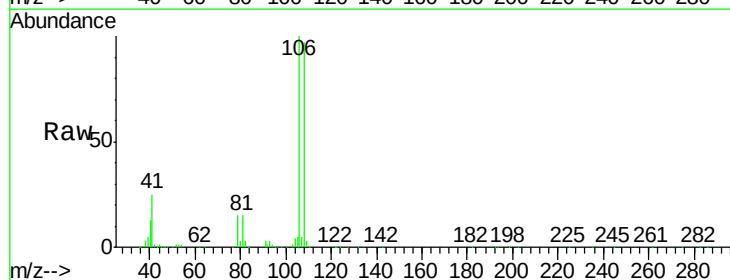
Tgt Ion: 108 Resp: 665479

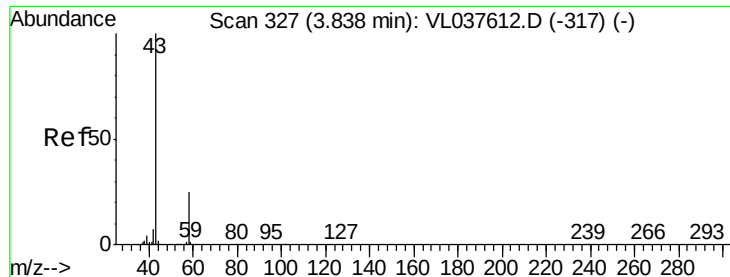
Ion Ratio Lower Upper

108 100

106 108.1 88.2 132.4

79 16.1 12.8 19.2





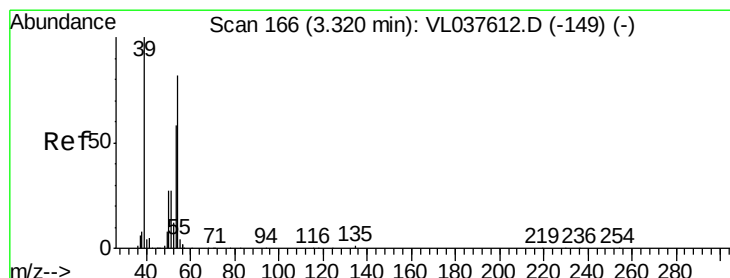
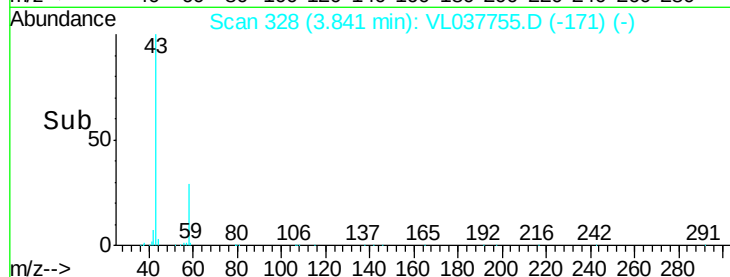
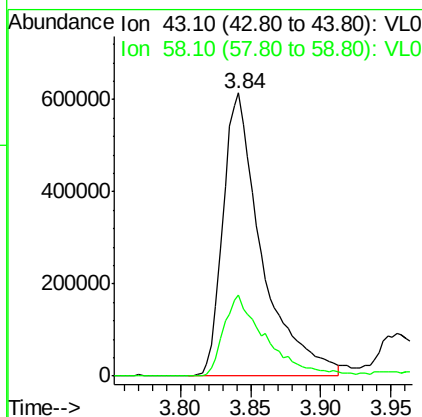
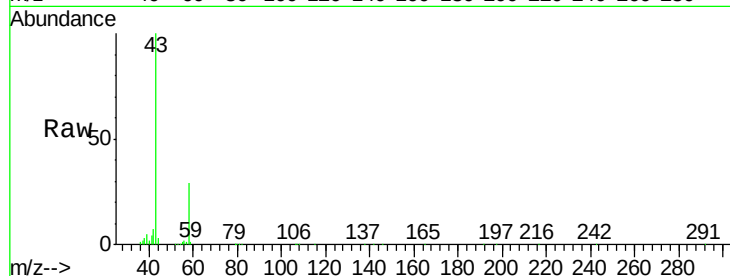
#15
Acetone
Concen: 7.833 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 43 Resp: 1177538
Ion Ratio Lower Upper
43 100
58 31.5 24.9 37.3

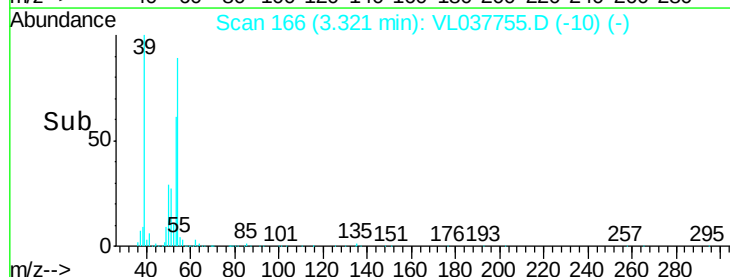
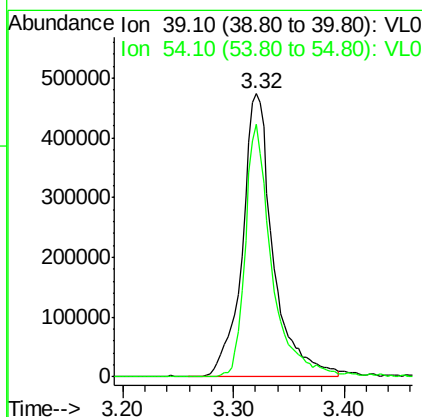
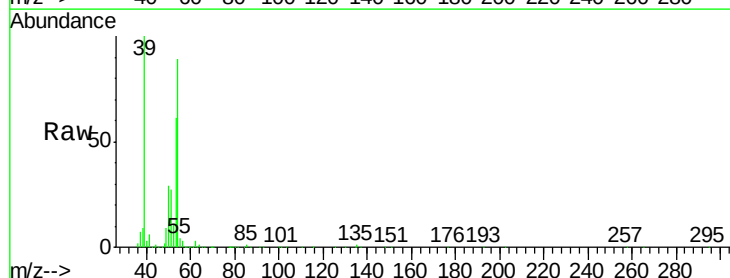
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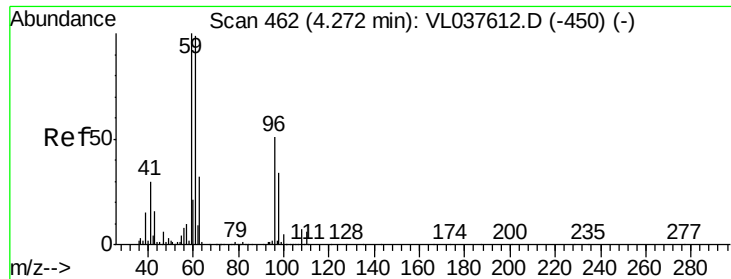
MMDadoda
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#16
1,3-Butadiene
Concen: 9.780 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 39 Resp: 918743
Ion Ratio Lower Upper
39 100
54 78.0 62.6 93.8





#17

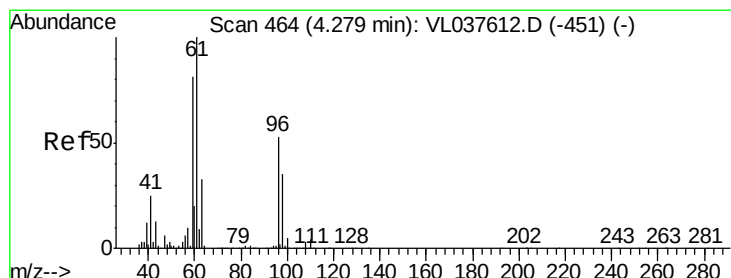
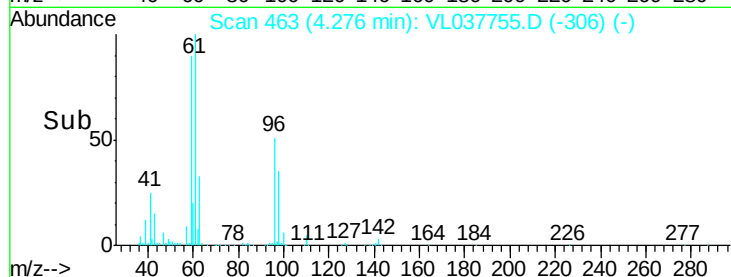
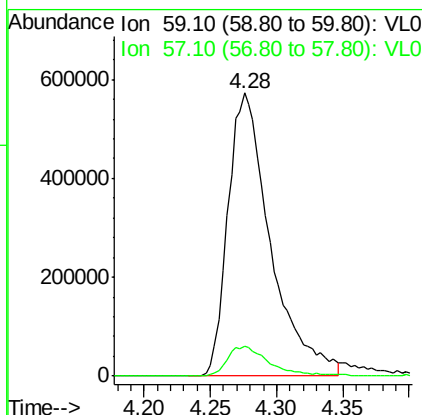
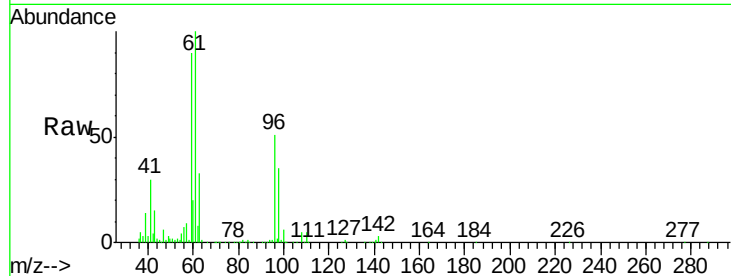
tert-Butyl alcohol
Concen: 10.032 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 59 Resp: 1278907
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6

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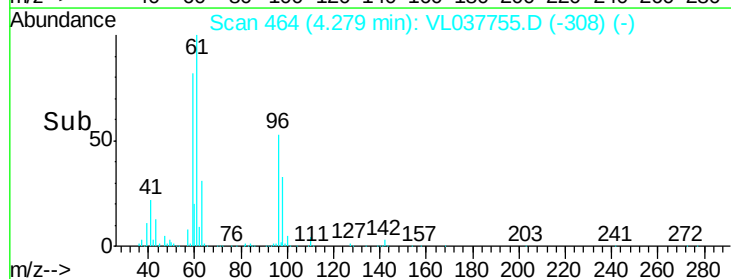
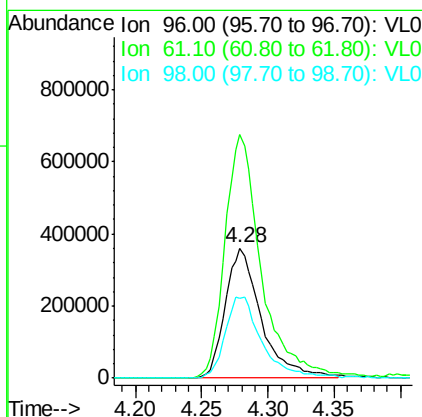
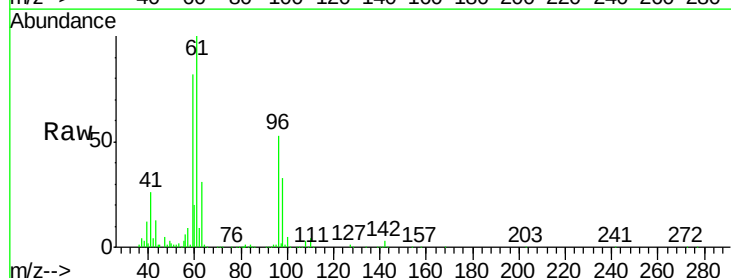
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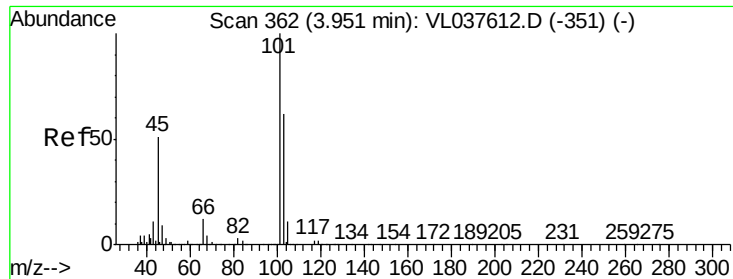


#18

1,1-Dichloroethene
Concen: 9.388 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 96 Resp: 678564
Ion Ratio Lower Upper
96 100
61 187.4 150.4 225.6
98 61.7 52.1 78.1





#19

Isopropyl Alcohol

Concen: 9.418 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 45 Resp: 770375

Ion Ratio Lower Upper

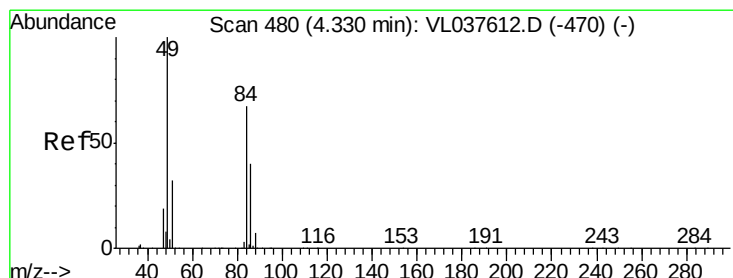
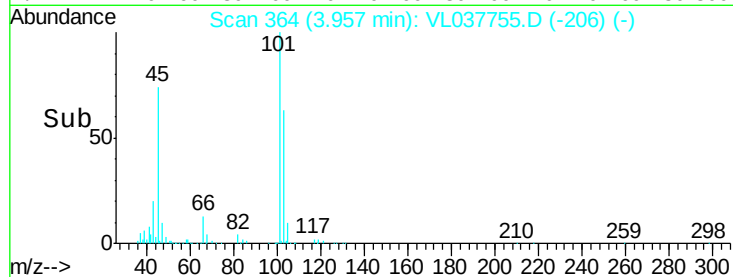
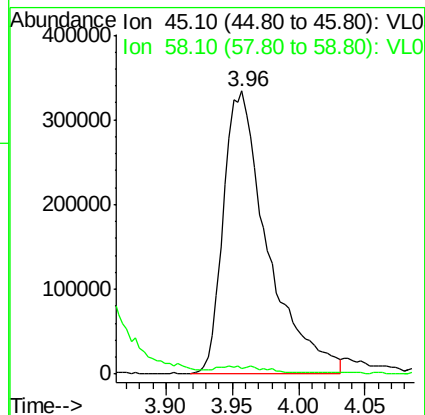
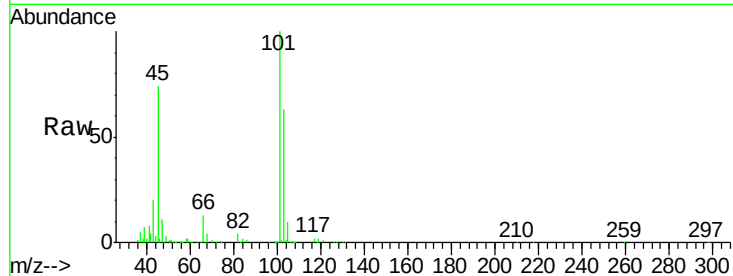
45 100

58 2.6 2.9 4.3#

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#20

Methylene Chloride

Concen: 7.734 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Tgt Ion: 84 Resp: 555061

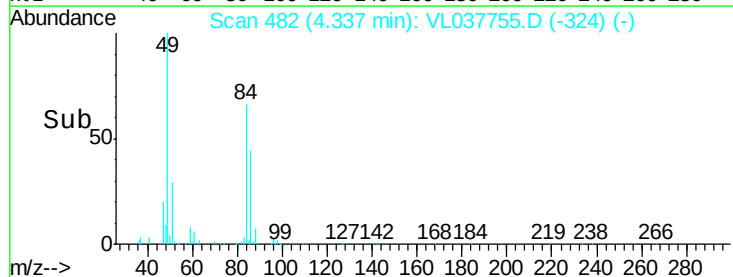
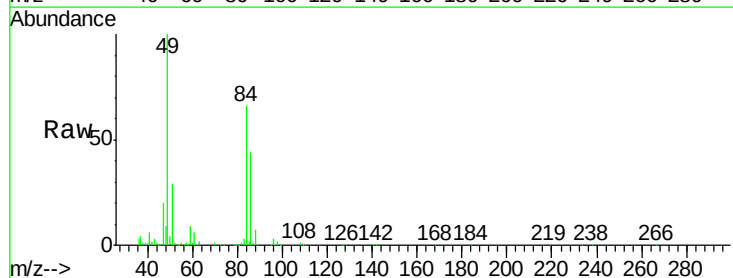
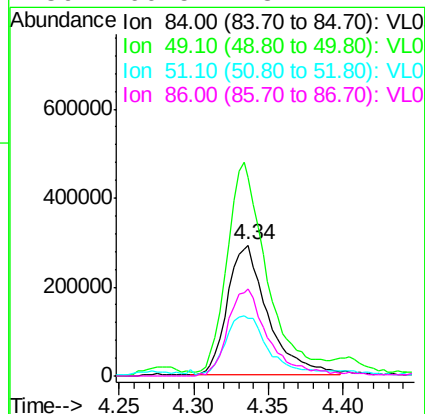
Ion Ratio Lower Upper

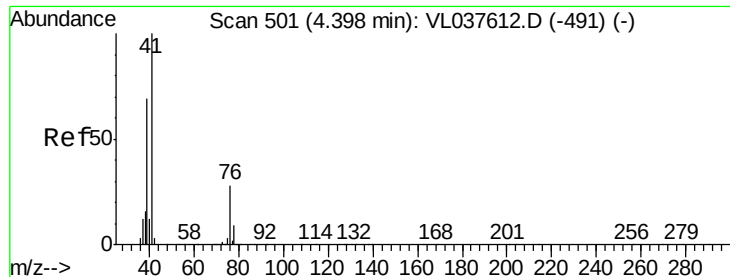
84 100

49 149.3 120.0 180.0

51 40.1 38.0 57.0

86 66.5 48.2 72.2





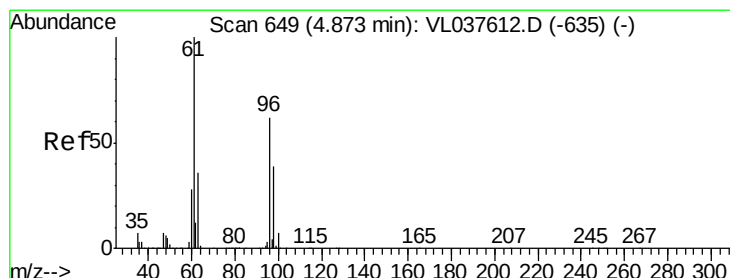
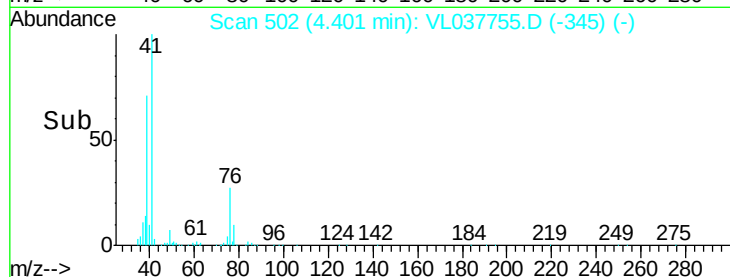
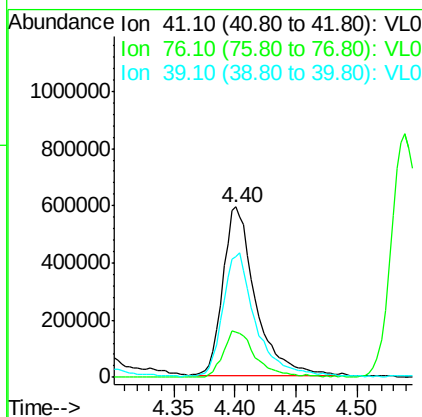
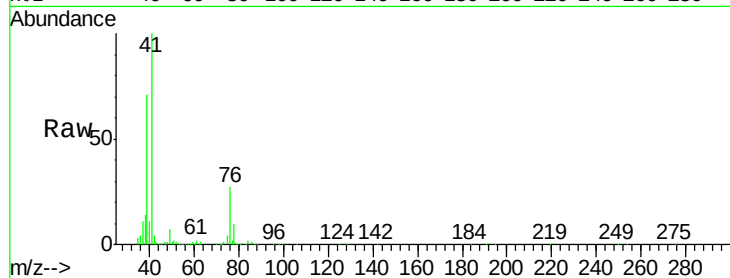
#21
Allvl Chloride
Concen: 9.815 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 41 Resp: 1102316
Ion Ratio Lower Upper
41 100
76 28.1 23.1 34.7
39 74.8 61.0 91.6

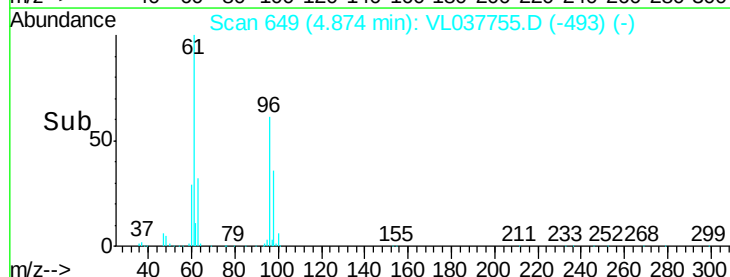
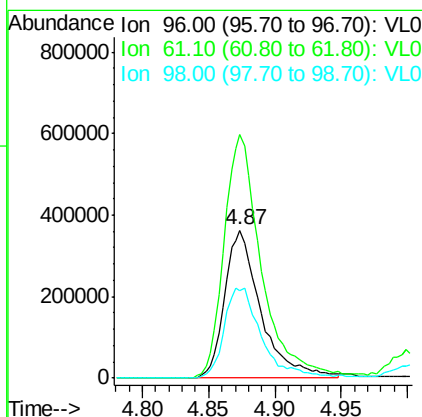
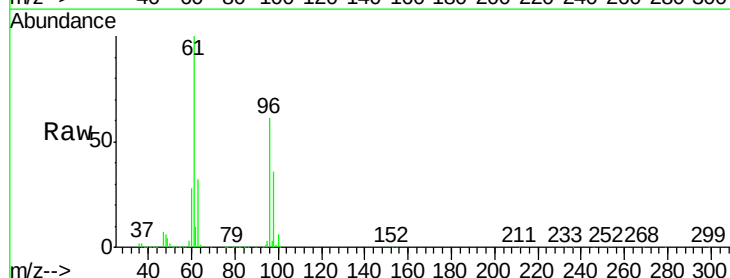
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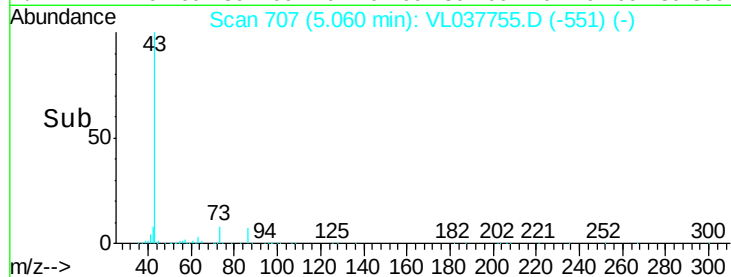
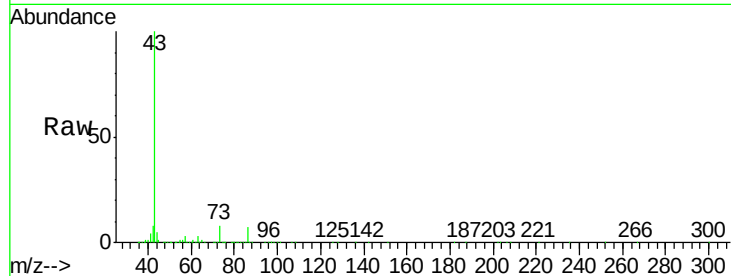
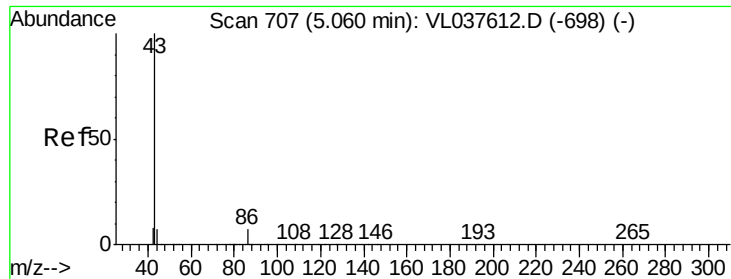
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.486 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 96 Resp: 689823
Ion Ratio Lower Upper
96 100
61 164.7 129.2 193.8
98 59.2 50.4 75.6





#23

Vinyl Acetate

Concen: 9.913 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Tot Ion: 43 Resp: 2062289

Ion Ratio Lower Upper

43 100

86 6.6 5.0 7.6

42 8.0 7.5 11.3

44 4.8 4.7 7.1

Instrument :

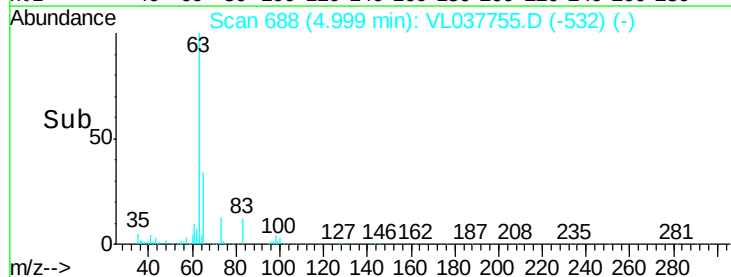
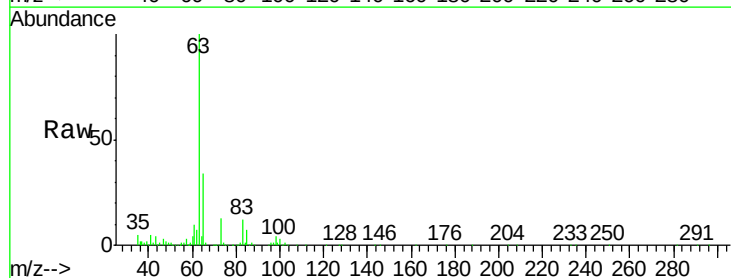
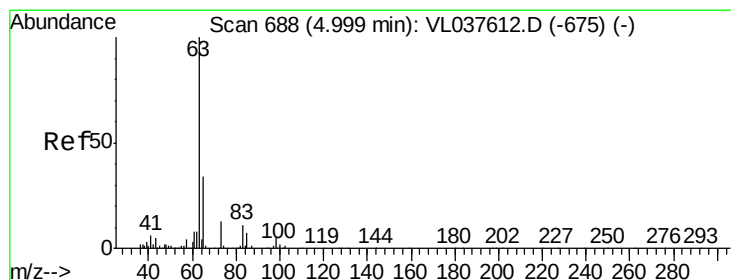
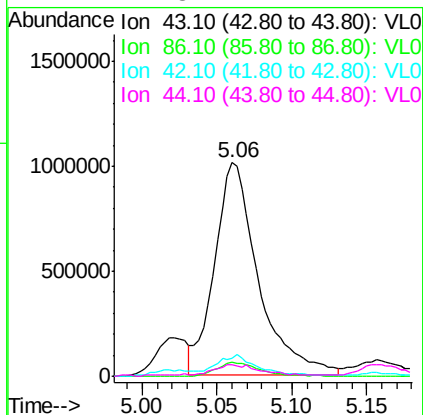
MSVOA_L

ClientSampleId :

VL1001ABS01

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#24

1,1-Dichloroethane

Concen: 9.293 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

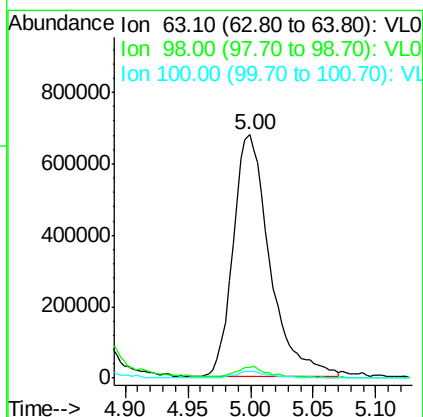
Tgt Ion: 63 Resp: 1384899

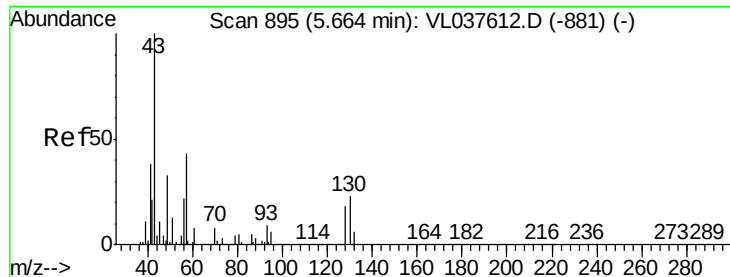
Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.2

100 2.4 1.1 3.5





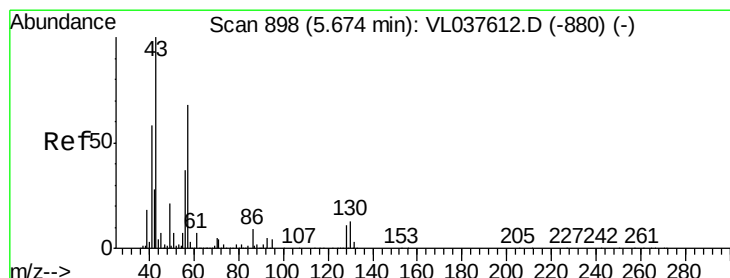
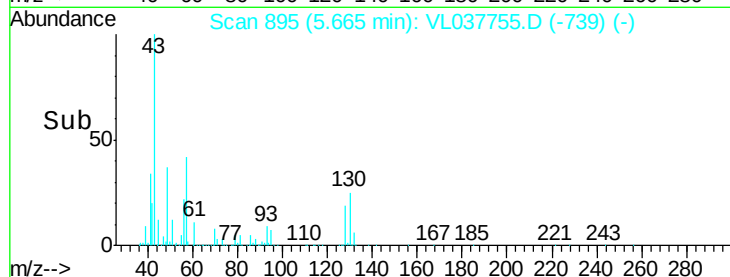
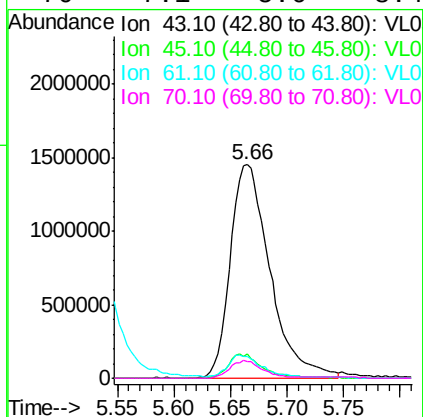
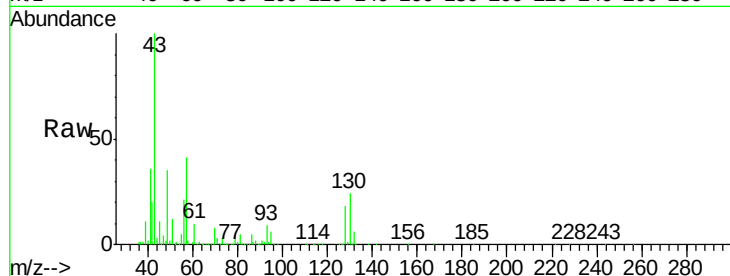
#25
Ethyl Acetate
Concen: 9.739 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion	43	Resp	3545957
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.7	7.5	11.3
70	7.1	5.6	8.4

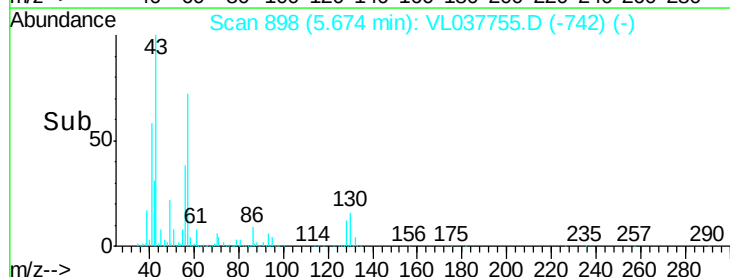
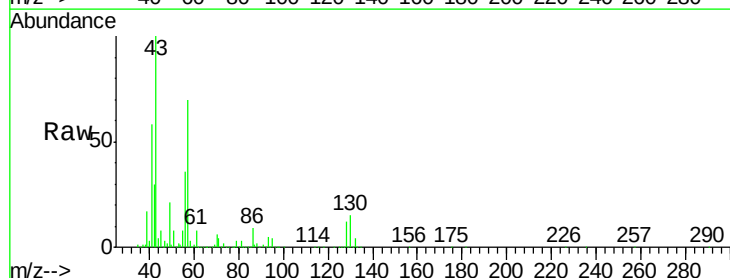
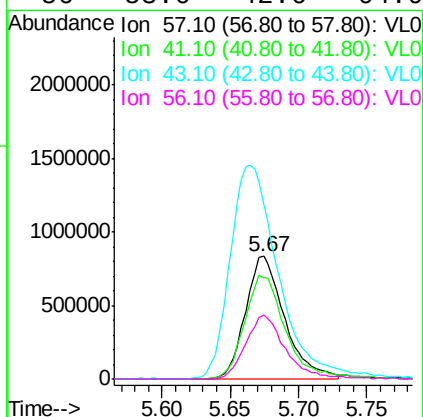
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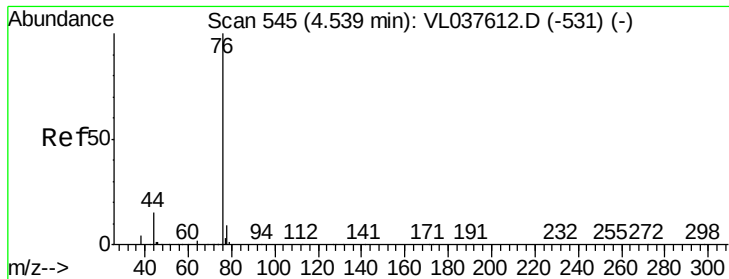
MMDadoda
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#26
Hexane
Concen: 9.559 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion	57	Resp	1653255
Ion	Ratio	Lower	Upper
57	100		
41	90.4	70.9	106.3
43	219.4	170.4	255.6
56	53.6	42.6	64.0





#27

Carbon Disulfide

Concen: 9.957 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 76 Resp: 1575385

Ion Ratio Lower Upper

76 100

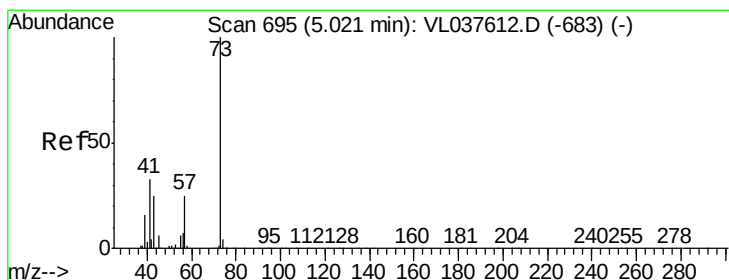
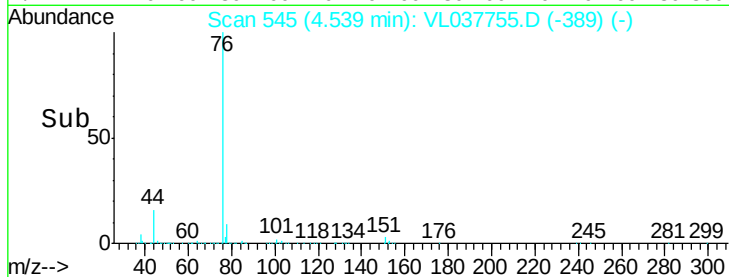
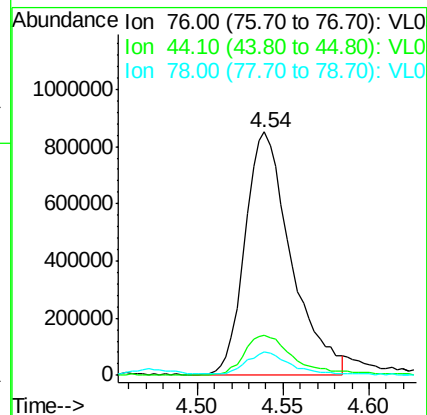
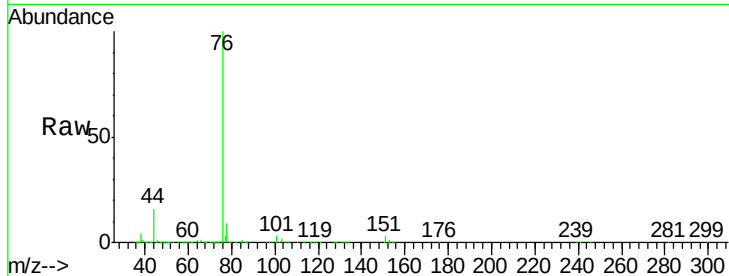
44 18.2 14.2 21.2

78 9.7 7.4 11.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.216 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL037755.D

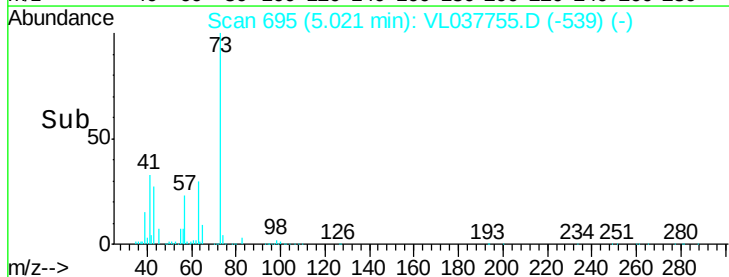
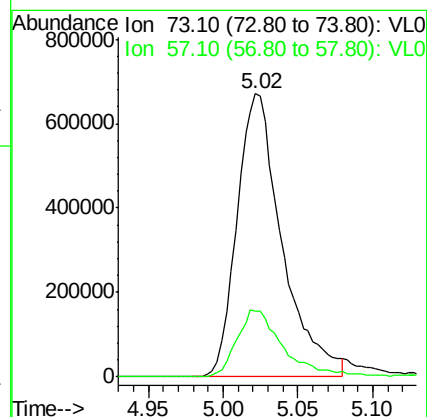
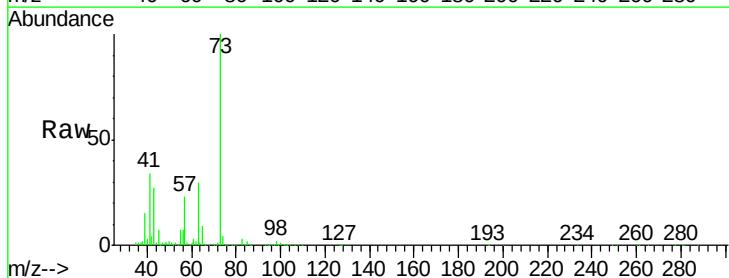
Acq: 1 Oct 2021 23:46

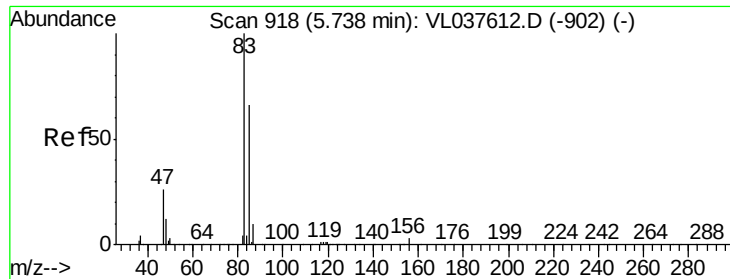
Tgt Ion: 73 Resp: 1404049

Ion Ratio Lower Upper

73 100

57 24.5 20.1 30.1





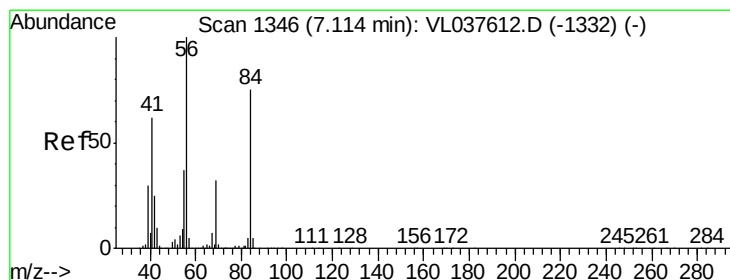
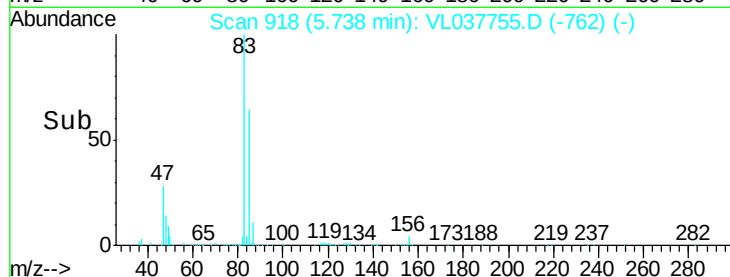
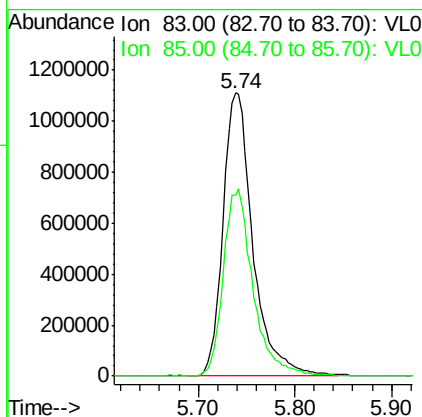
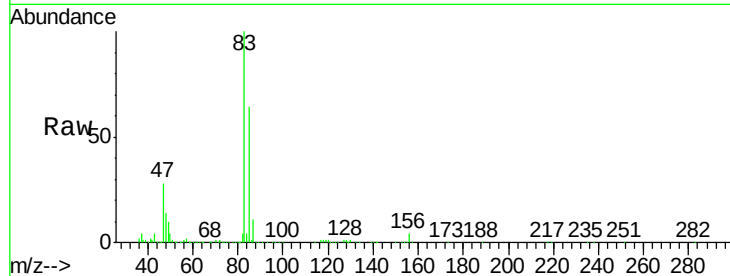
#29
Chloroform
Concen: 9.438 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 83 Resp: 2383595
Ion Ratio Lower Upper
83 100
85 63.7 52.6 79.0

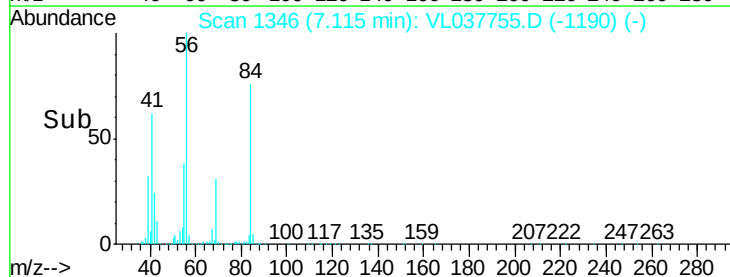
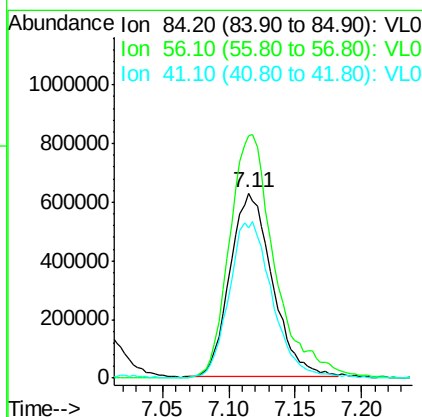
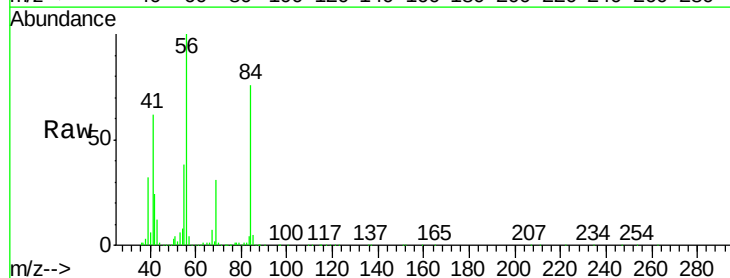
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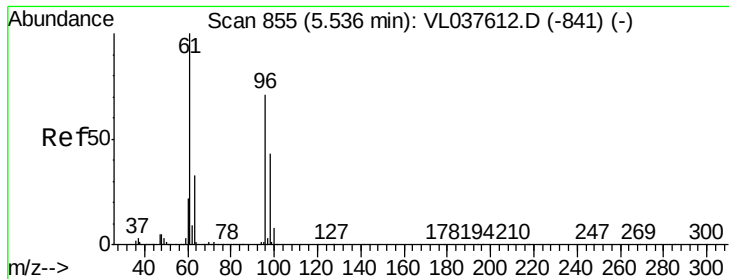
MMDadoda
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#30
Cyclohexane
Concen: 9.478 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 84 Resp: 1402085
Ion Ratio Lower Upper
84 100
56 142.2 113.6 170.4
41 86.9 67.9 101.9





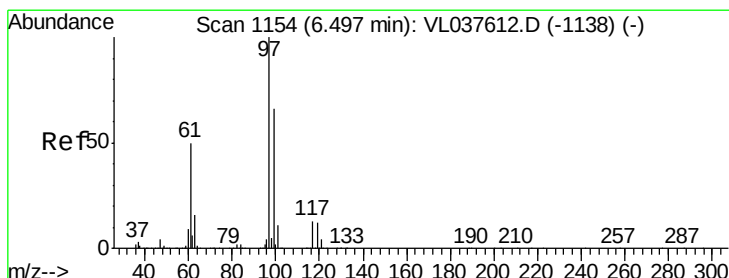
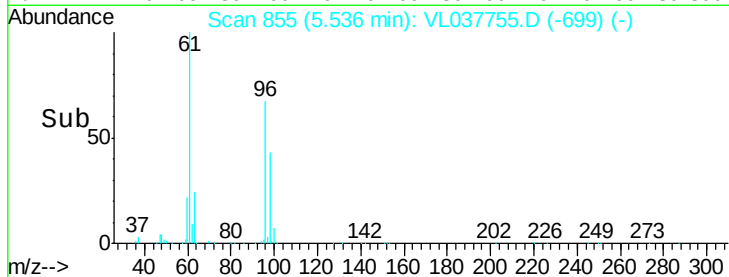
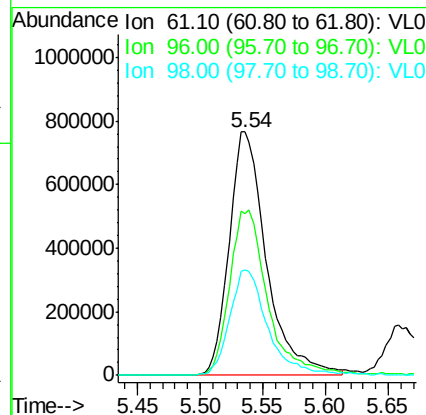
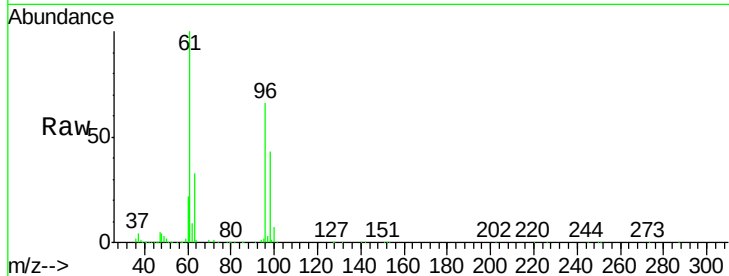
#31
 cis-1,2-Dichloroethene
 Concen: 10.083 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.3	56.7	85.1
98	43.4	34.6	52.0

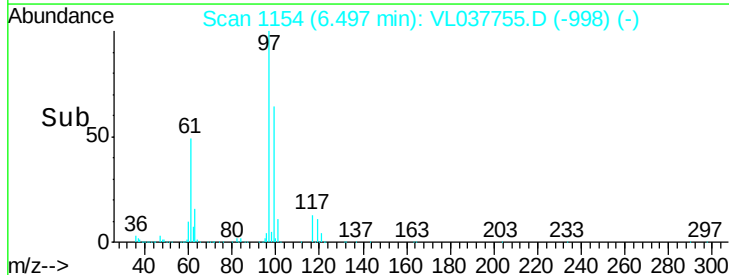
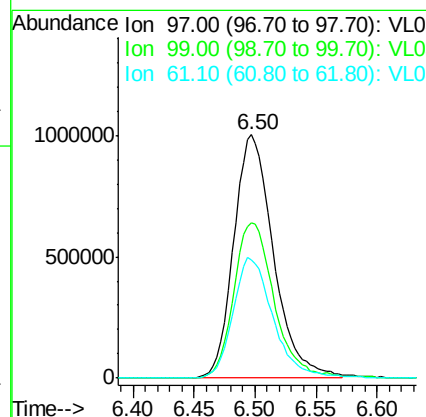
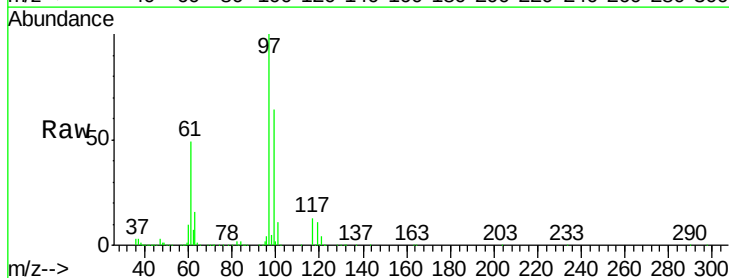
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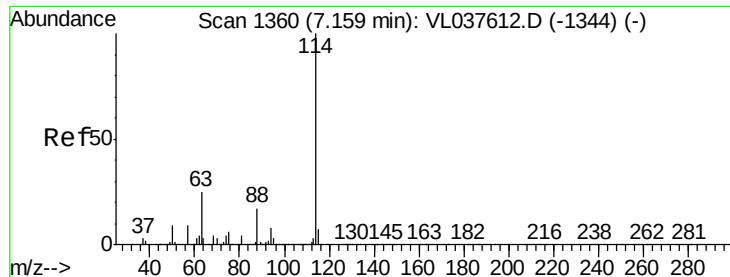
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 9.645 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	50.4	39.5	59.3





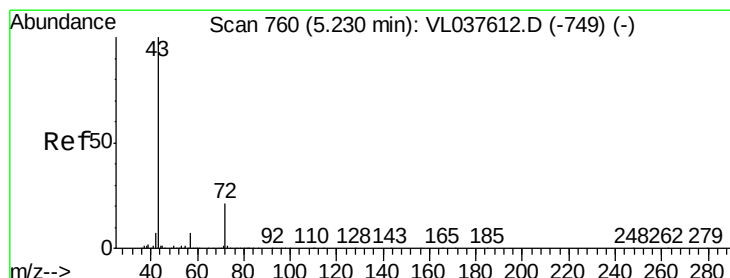
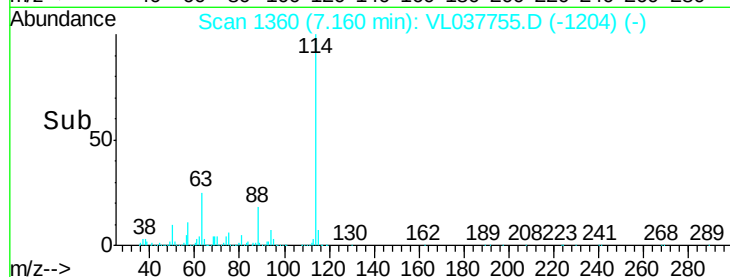
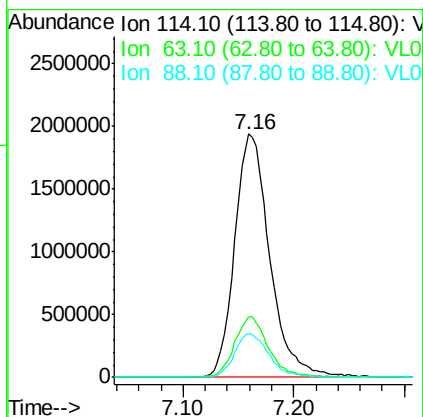
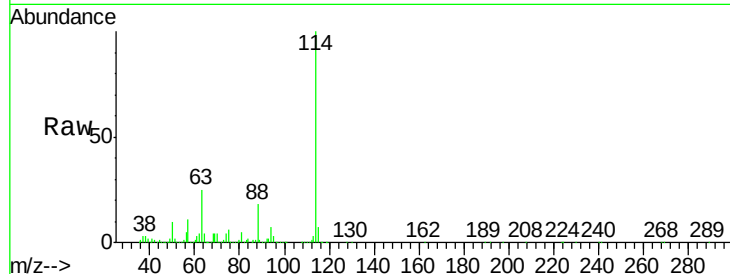
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion:114 Resp: 4261183
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.6 29.4
 88 18.0 14.2 21.4

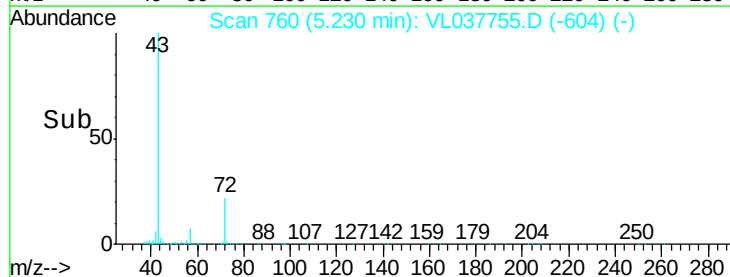
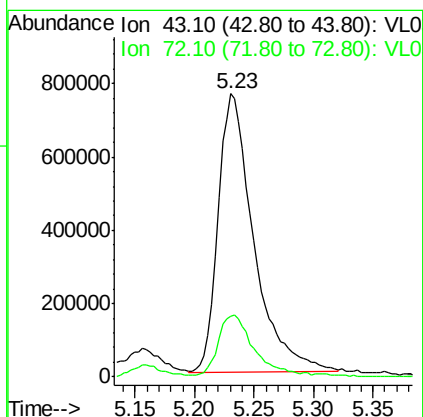
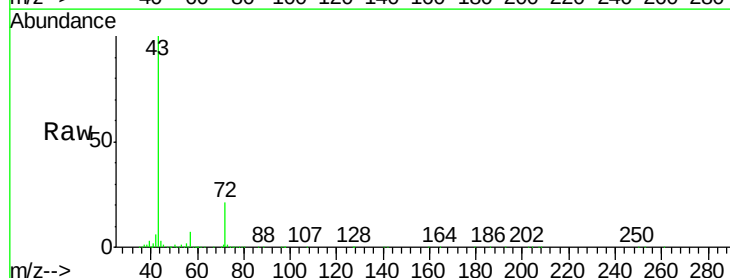
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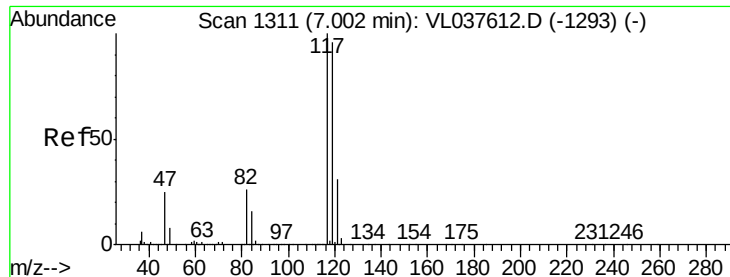
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#34
 2-Butanone
 Concen: 9.113 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion: 43 Resp: 1578079
 Ion Ratio Lower Upper
 43 100
 72 23.7 18.4 27.6





#35

Carbon Tetrachloride

Concen: 9.762 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

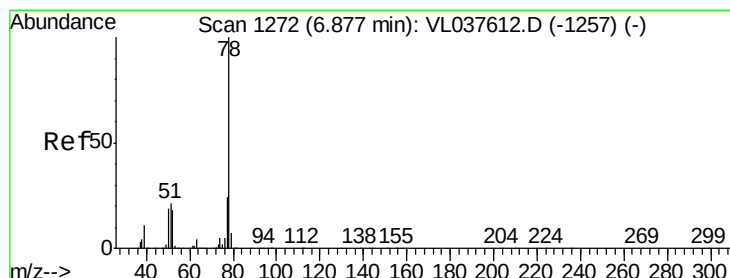
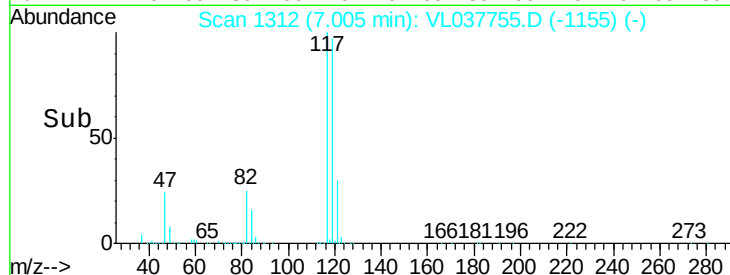
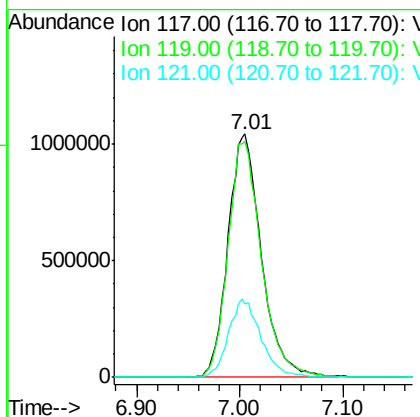
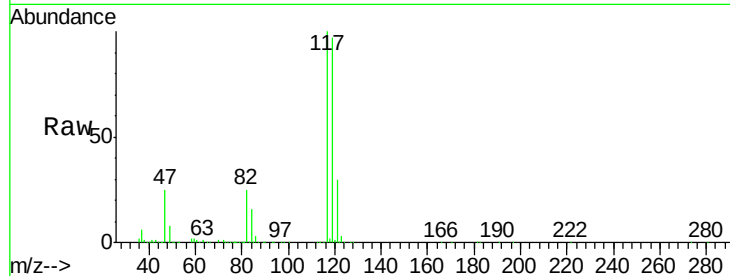
ClientSampleId :

VL1001ABS01

Tot Ion:	117	Resp:	2353113
Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.6
121	29.9	24.5	36.7

Manual Integrations
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#36

Benzene

Concen: 9.790 ppbv

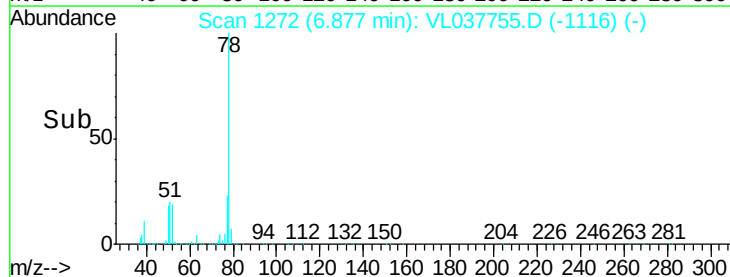
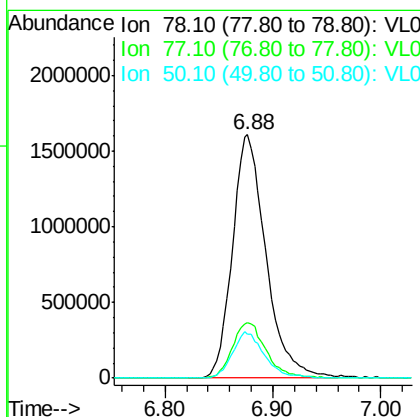
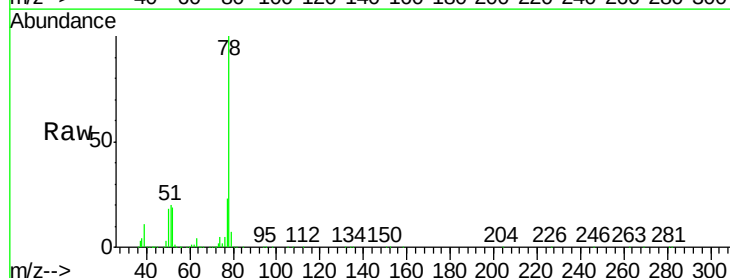
RT: 6.88 min Scan# 1272

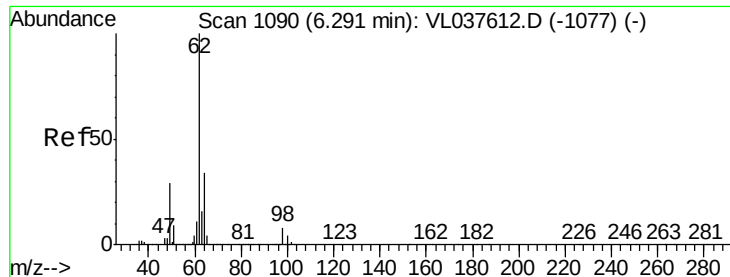
Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Tgt Ion:	78	Resp:	3478602
Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.4
50	18.1	14.8	22.2





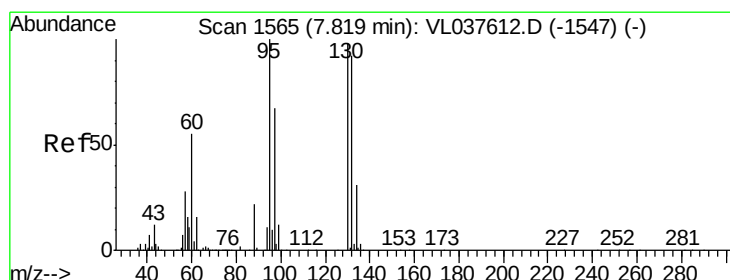
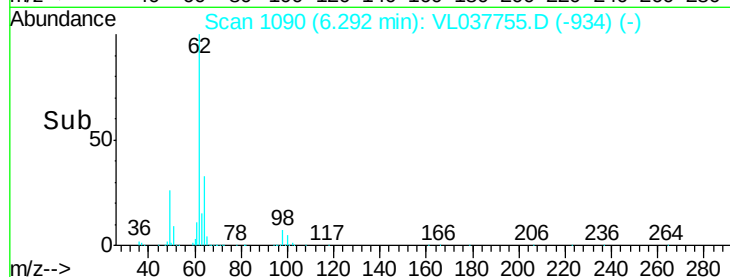
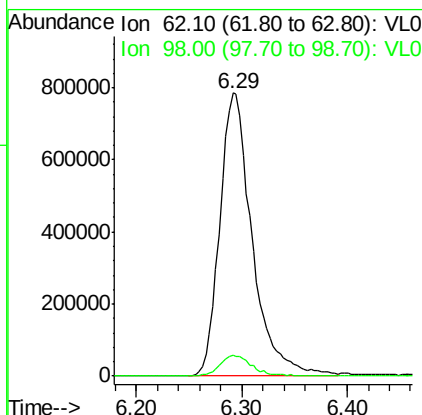
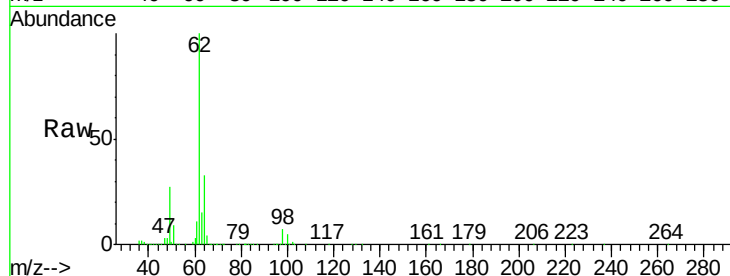
#37
 1,2-Dichloroethane
 Concen: 9.584 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion: 62 Resp: 1674935
 Ion Ratio Lower Upper
 62 100
 98 7.4 6.1 9.1

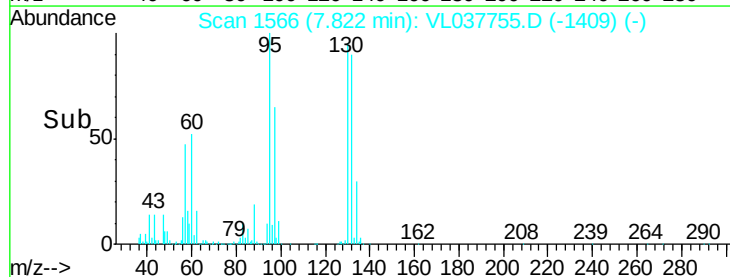
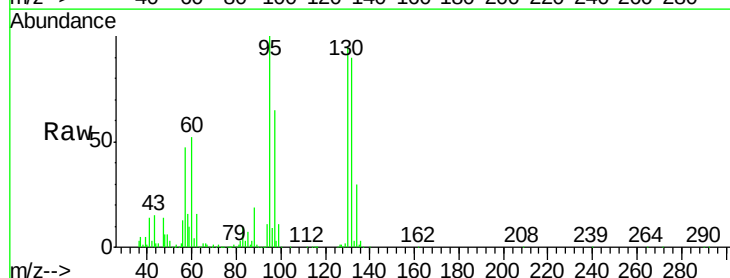
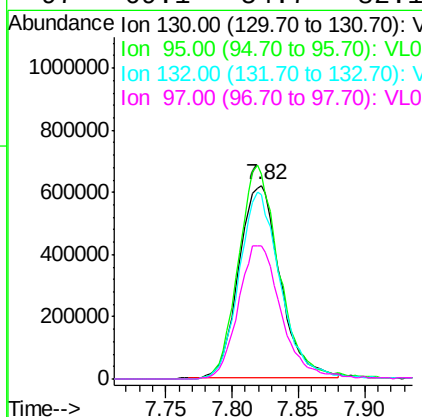
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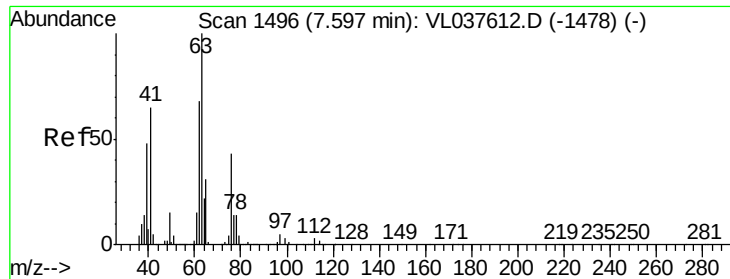
MMDadoda
 10/4/2021 5:50:20 PM



#38
 Trichloroethene
 Concen: 9.110 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion: 130 Resp: 1352222
 Ion Ratio Lower Upper
 130 100
 95 106.0 81.8 122.6
 132 95.3 75.3 112.9
 97 69.1 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.661 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 63 Resp: 1314784

Ion Ratio Lower Upper

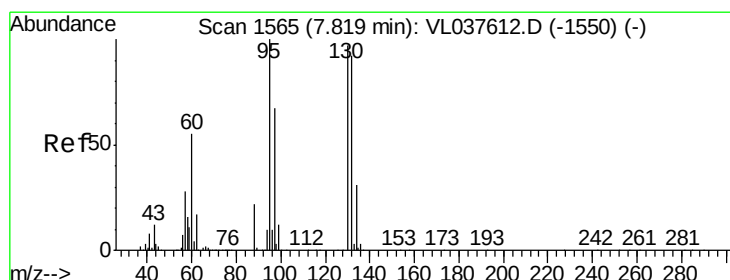
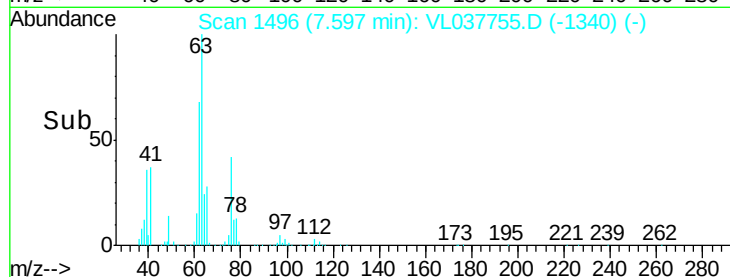
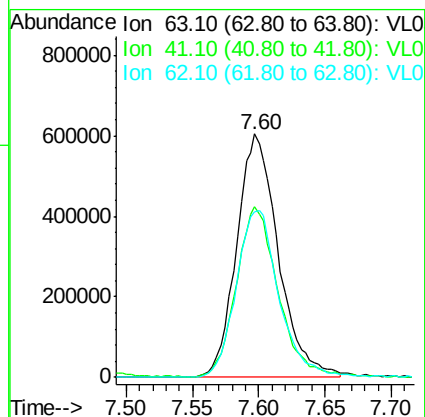
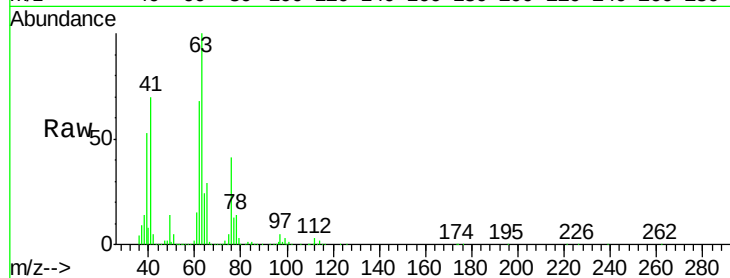
63 100

41 69.9 51.6 77.4

62 67.7 54.6 81.8

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.371 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Tgt Ion: 88 Resp: 310235

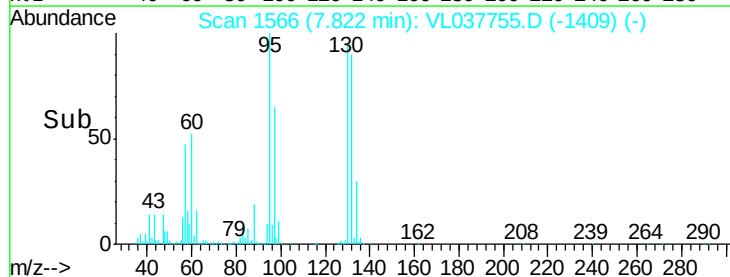
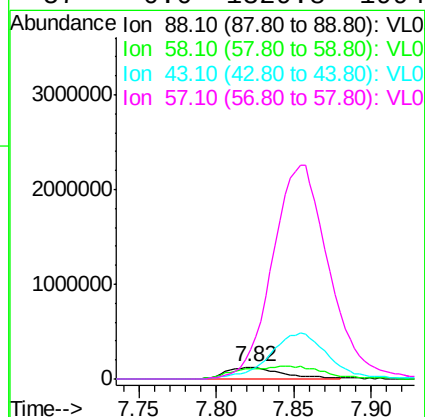
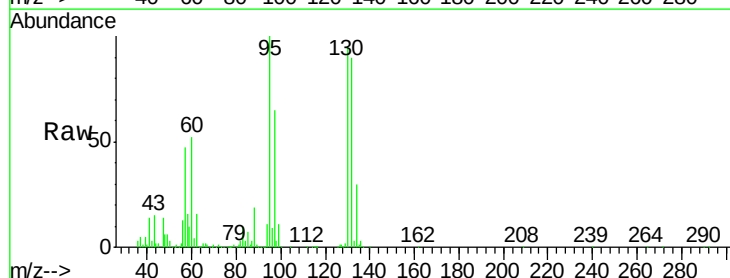
Ion Ratio Lower Upper

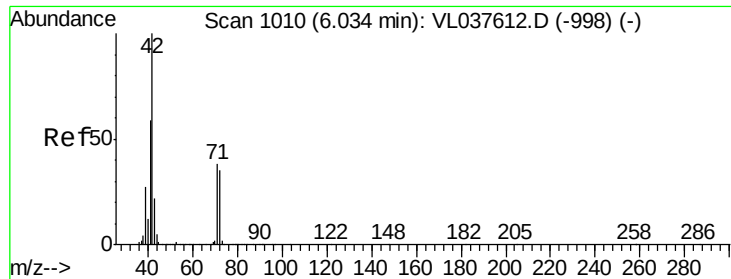
88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#





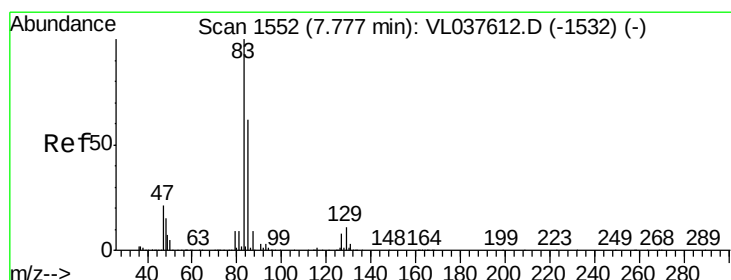
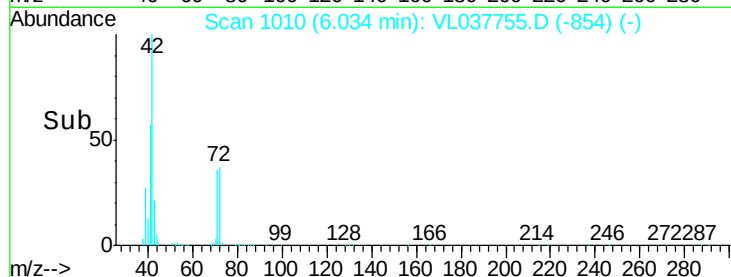
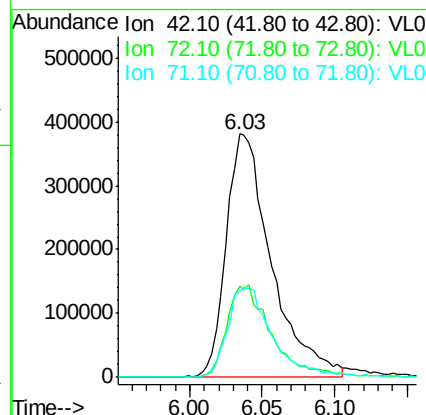
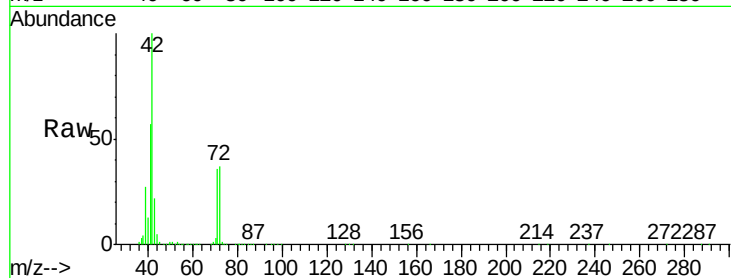
#41
Tetrahydrofuran
Concen: 10.023 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.4	47.2
71	37.8	30.6	46.0

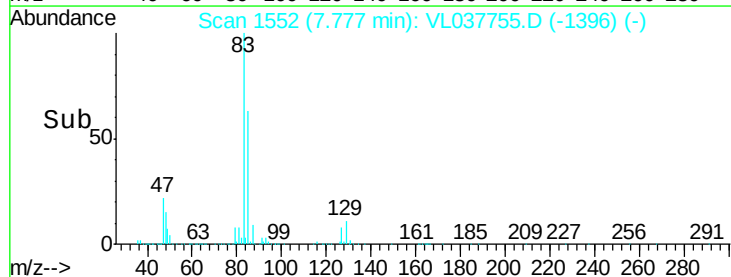
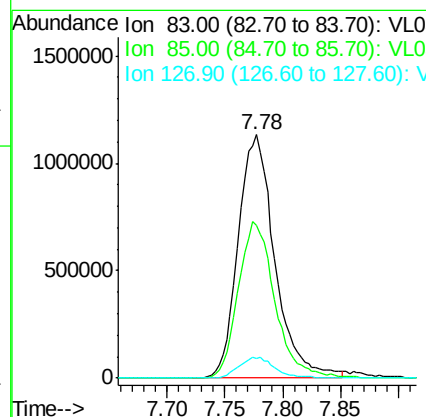
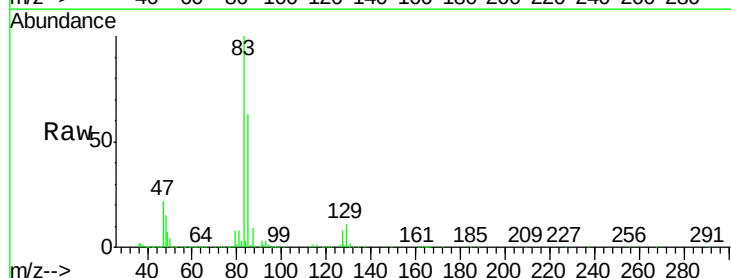
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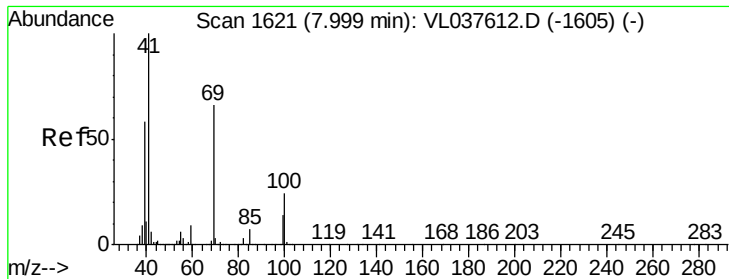
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#42
Bromodichloromethane
Concen: 9.945 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.8	74.6
127	8.2	6.4	9.6





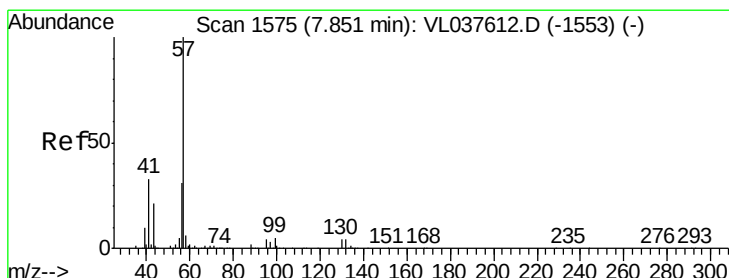
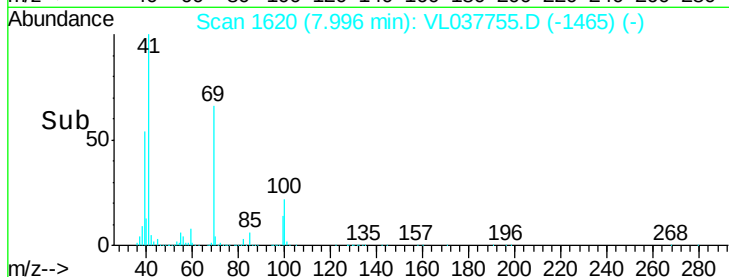
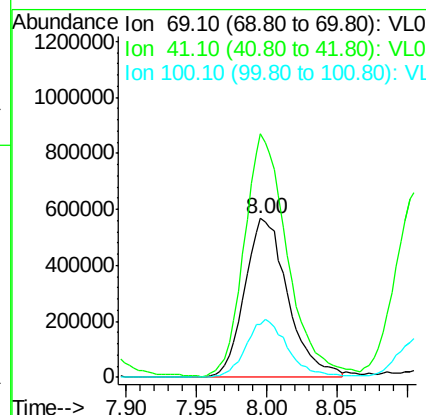
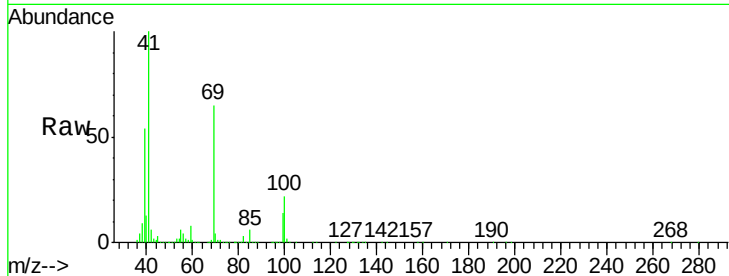
#43
Methyl Methacrylate
Concen: 10.297 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 69 Resp: 1217188
Ion Ratio Lower Upper
69 100
41 153.9 119.0 178.4
100 35.6 27.6 41.4

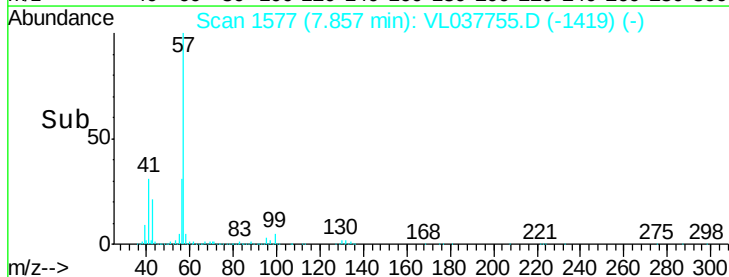
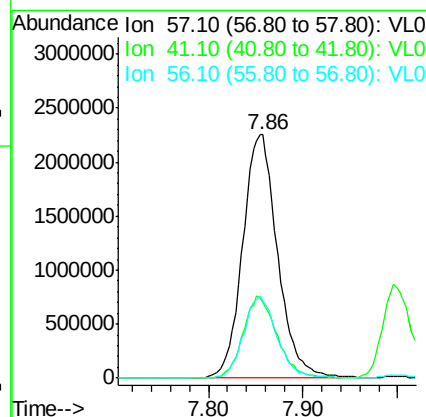
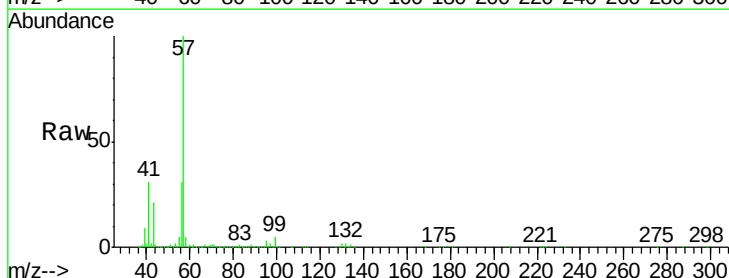
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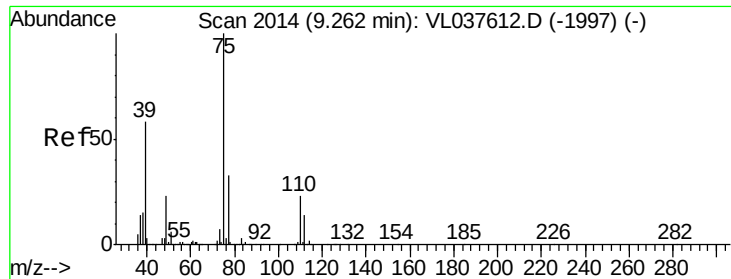
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#44
2,2,4-Trimethylpentane
Concen: 9.666 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 57 Resp: 5774105
Ion Ratio Lower Upper
57 100
41 32.6 26.1 39.1
56 32.3 25.7 38.5





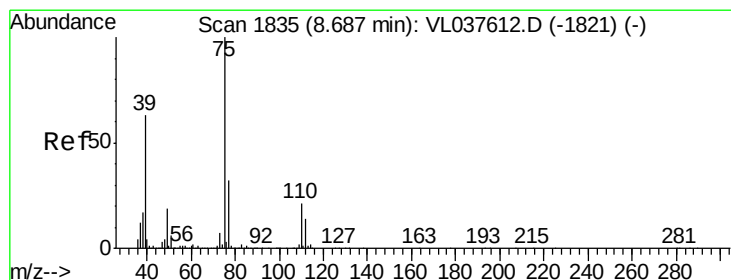
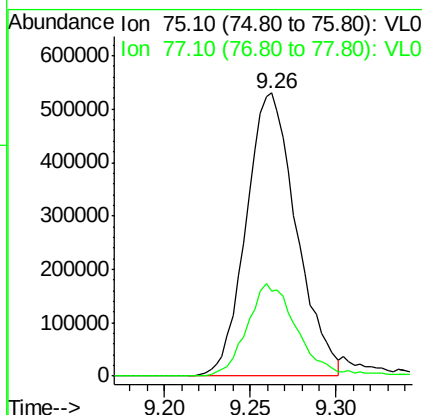
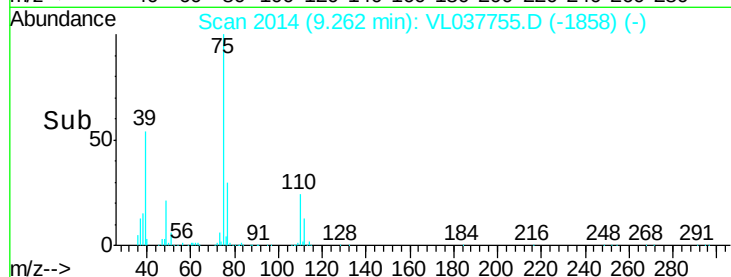
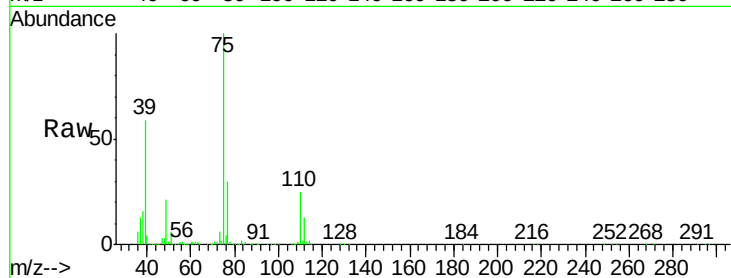
#45
t-1,3-Dichloropropene
Concen: 11.539 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 75 Resp: 1071447
Ion Ratio Lower Upper
75 100
77 29.8 26.3 39.5

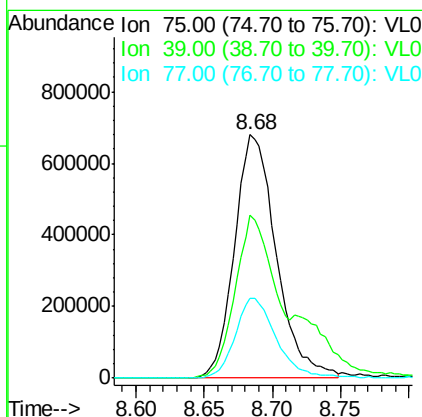
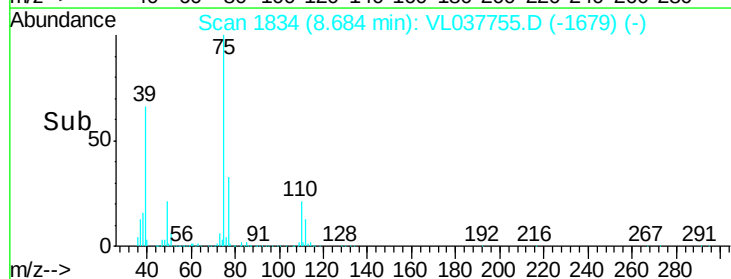
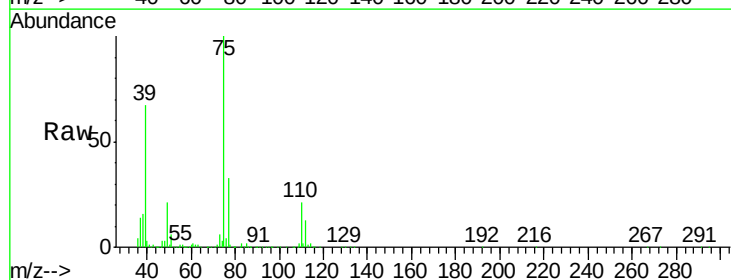
Manual Integrations
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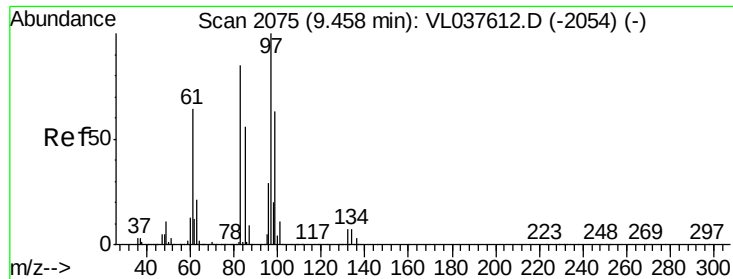
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.513 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 75 Resp: 1443949
Ion Ratio Lower Upper
75 100
39 66.9 50.2 75.4
77 32.9 25.2 37.8





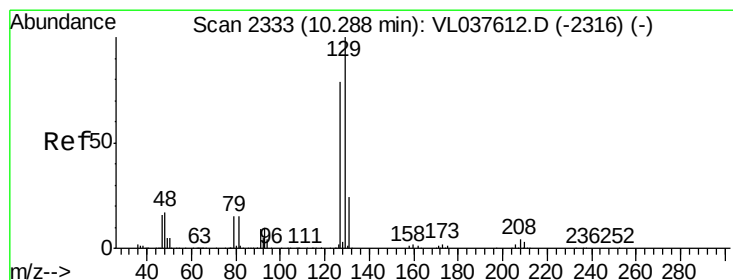
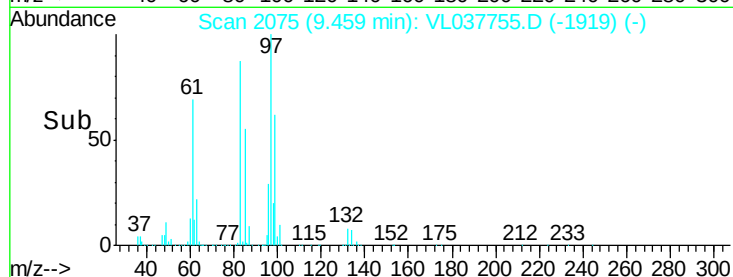
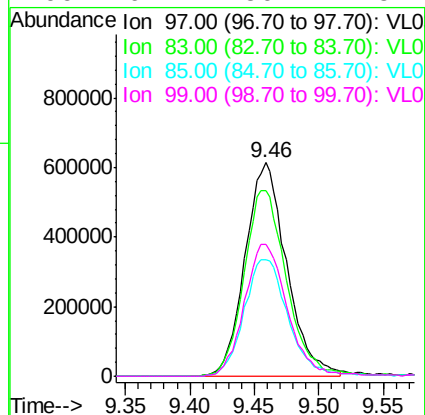
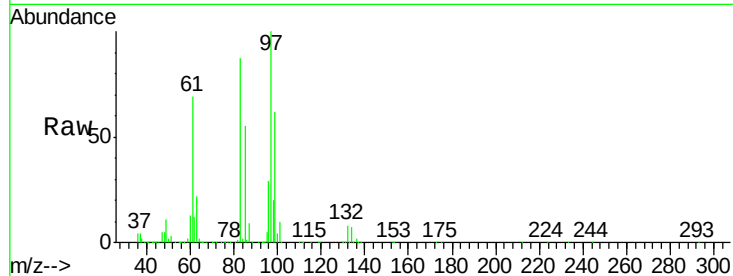
#47
 1,1,2-Trichloroethane
 Concen: 9.143 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.6	67.9	101.9
85	54.6	44.8	67.2
99	61.7	50.1	75.1

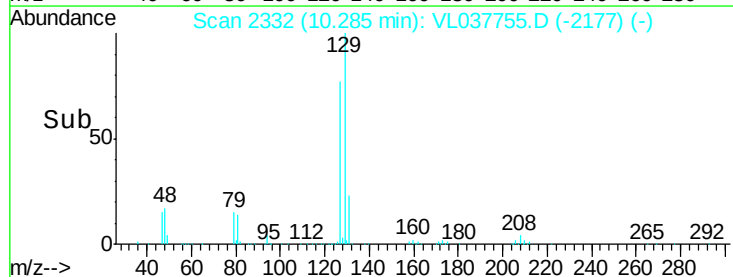
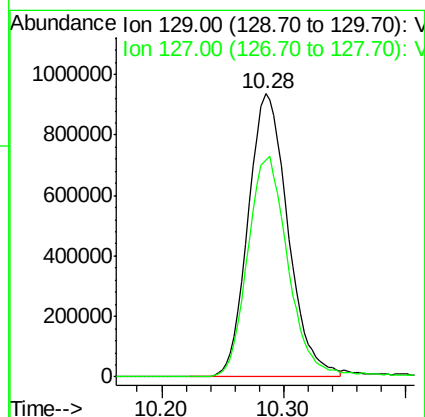
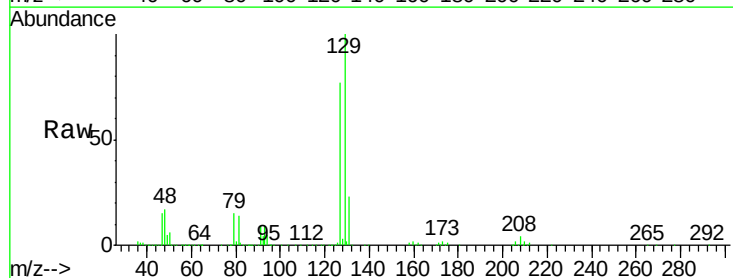
Manual Integrations
 APPROVED

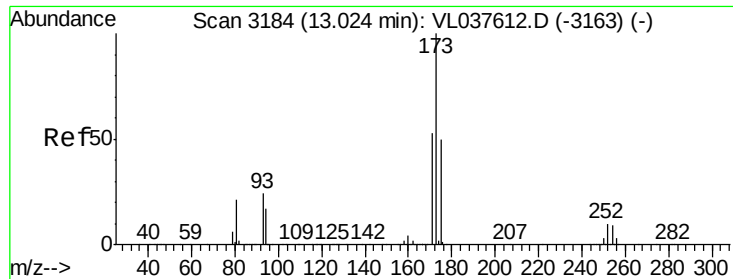
MMDadoda
 10/4/2021 5:50:20 PM



#48
 Dibromochloromethane
 Concen: 10.055 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.3	117.8





#49

Bromoform

Concen: 9.756 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion:173 Resp: 1639885

Ion Ratio Lower Upper

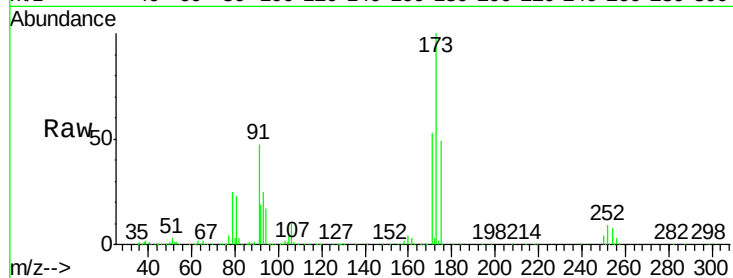
173 100

175 50.5 39.8 59.8

171 53.5 42.2 63.4

Manual Integrations
APPROVED

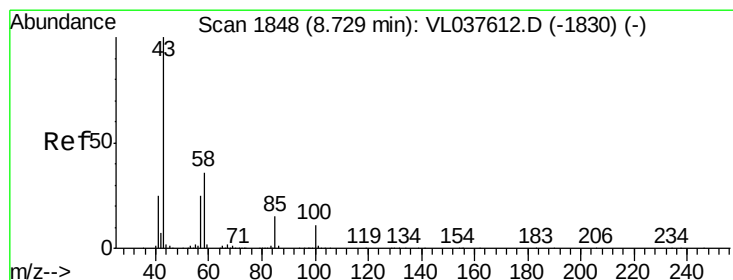
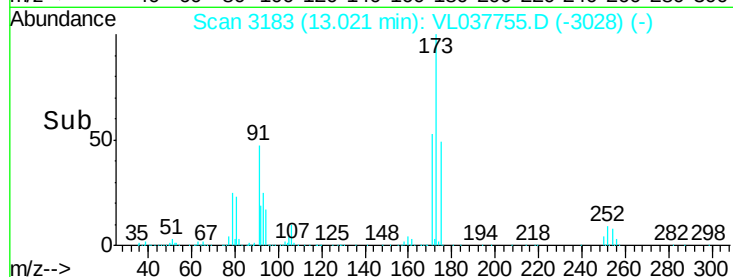
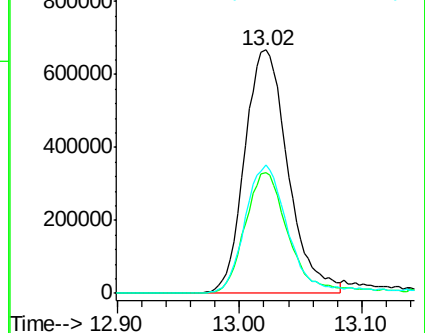
MMDadoda
10/4/2021 5:50:20 PM



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: 10.140 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL037755.D

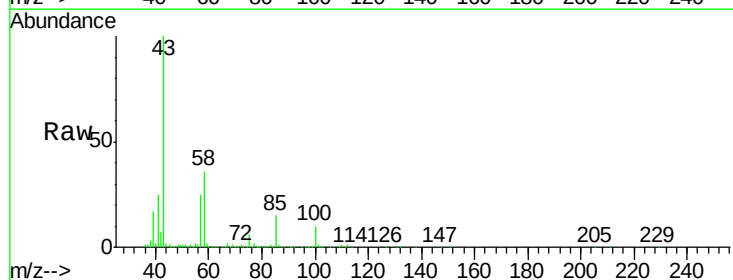
Acq: 1 Oct 2021 23:46

Tgt Ion: 43 Resp: 2228755

Ion Ratio Lower Upper

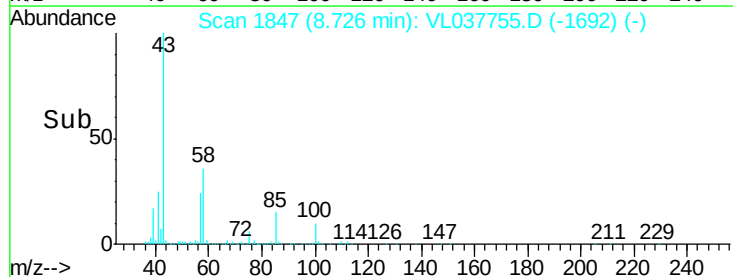
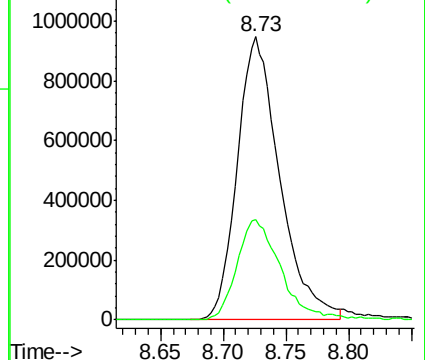
43 100

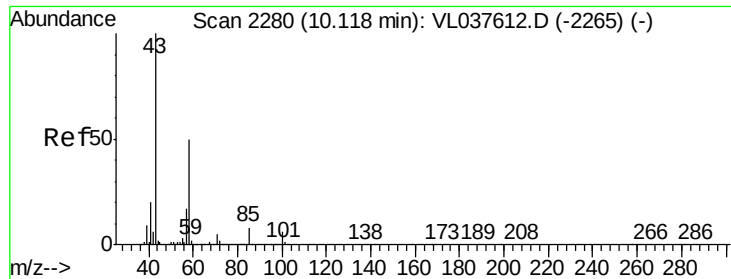
58 36.4 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





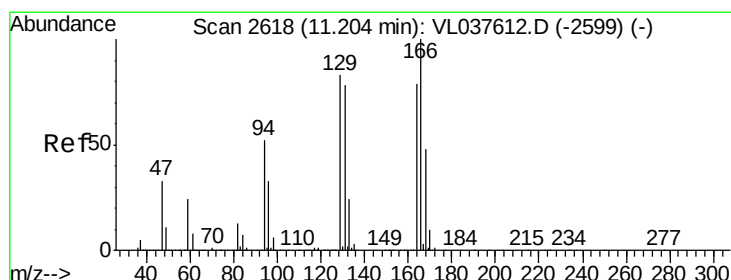
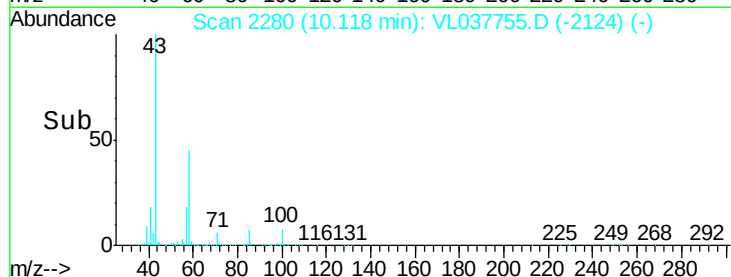
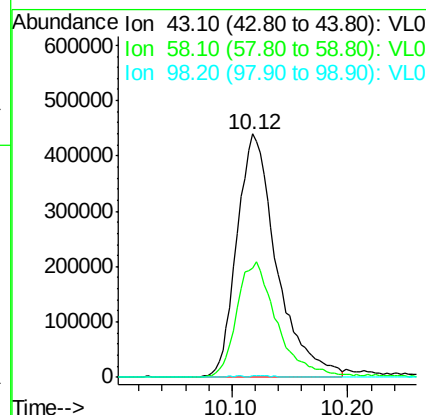
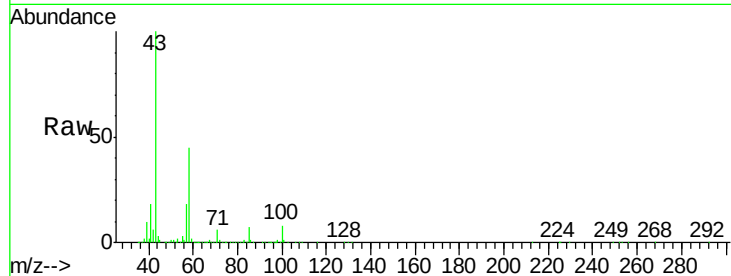
#51
2-Hexanone
Concen: 10.790 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 43 Resp: 1046375
Ion Ratio Lower Upper
43 100
58 49.2 39.3 58.9
98 0.7 0.4 0.6#

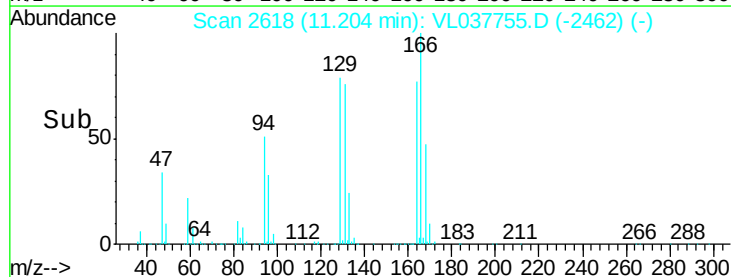
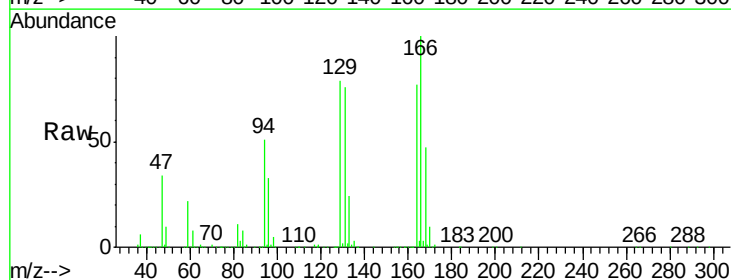
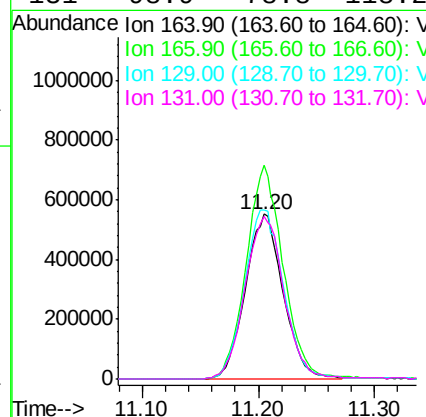
Manual Integrations
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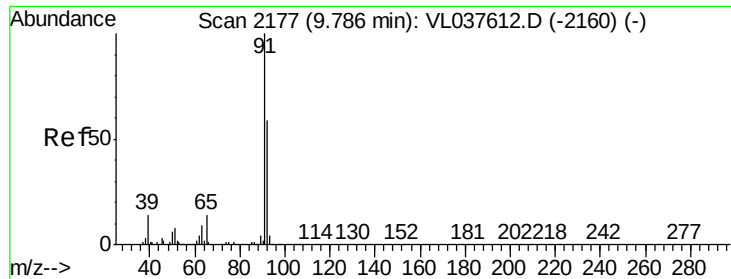
MMDadoda
10/4/2021 5:50:20 PM



#52
Tetrachloroethene
Concen: 9.139 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 164 Resp: 1246712
Ion Ratio Lower Upper
164 100
166 129.6 101.2 151.8
129 102.8 84.0 126.0
131 98.9 78.8 118.2





#53

Toluene

Concen: 10.100 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 91 Resp: 3988970

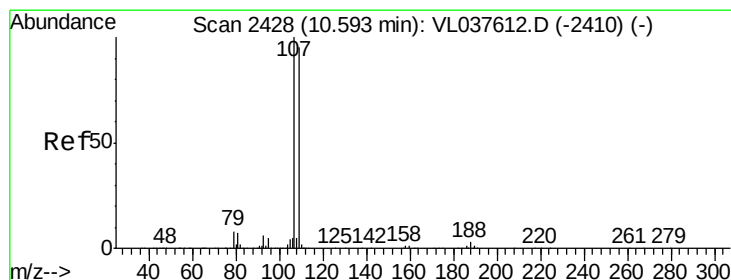
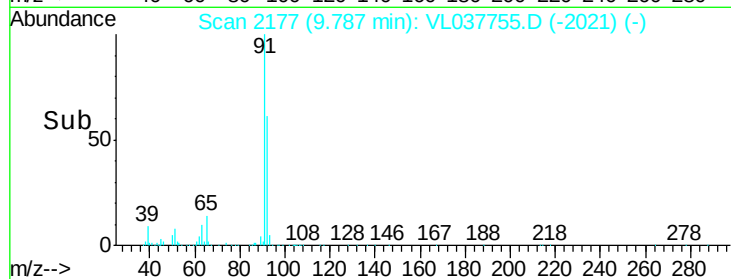
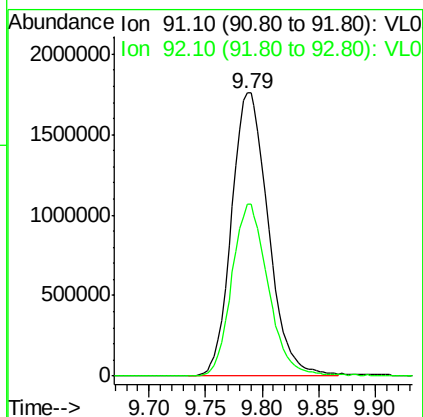
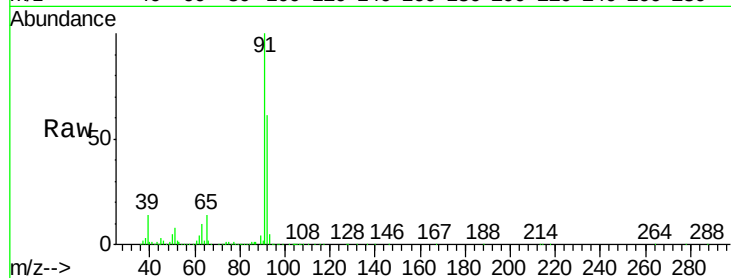
Ion Ratio Lower Upper

91 100

92 60.4 48.9 73.3

Manual Integrations
APPROVED

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#54

1,2-Dibromoethane

Concen: 9.509 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL037755.D

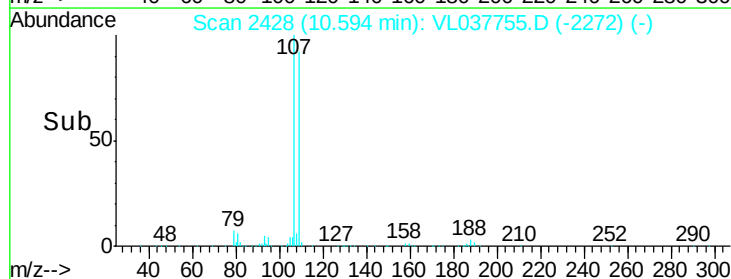
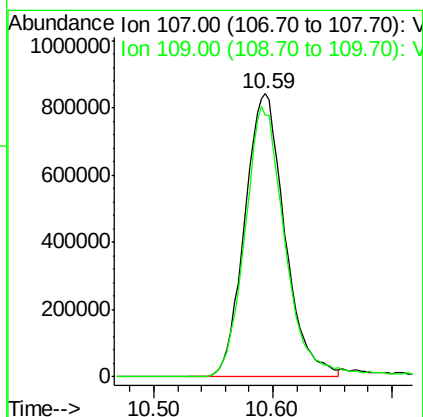
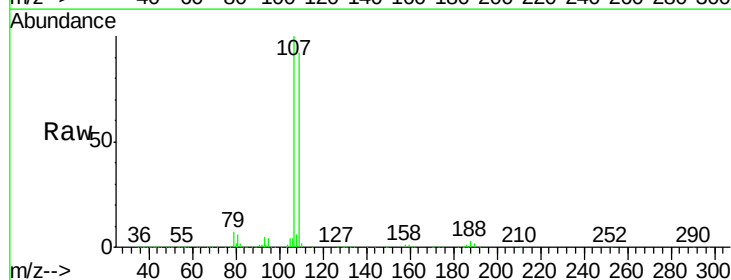
Acq: 1 Oct 2021 23:46

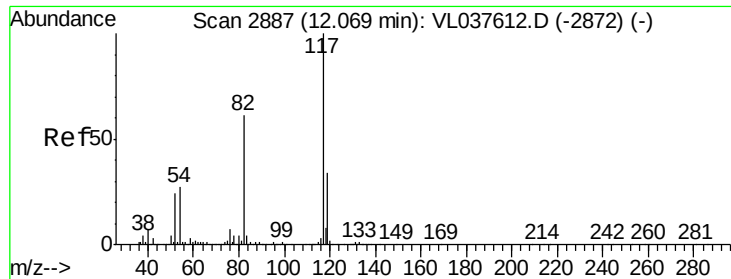
Tgt Ion: 107 Resp: 1960263

Ion Ratio Lower Upper

107 100

109 92.3 76.0 114.0





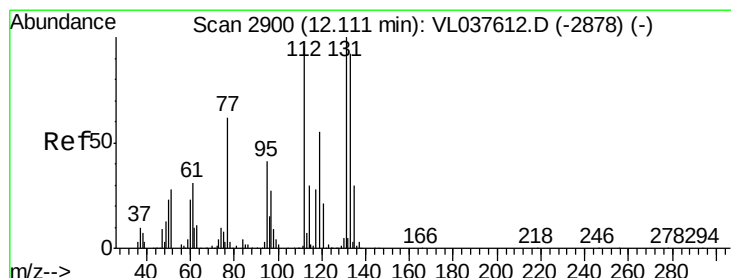
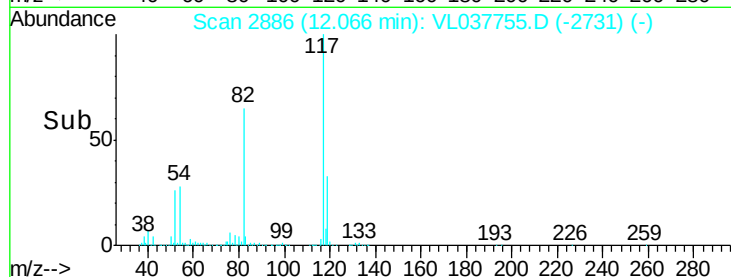
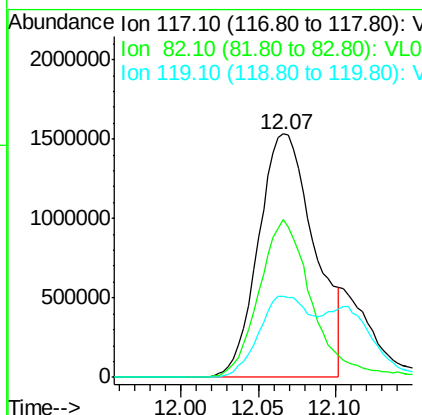
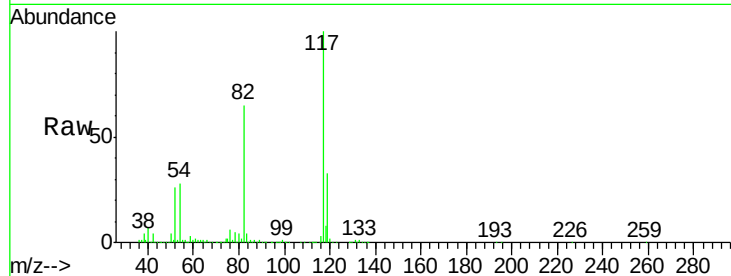
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion:117 Resp: 3861038
Ion Ratio Lower Upper
117 100
82 63.2 50.6 75.8
119 58.7 26.2 39.2#

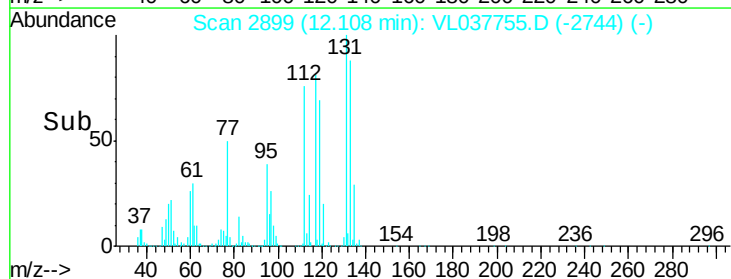
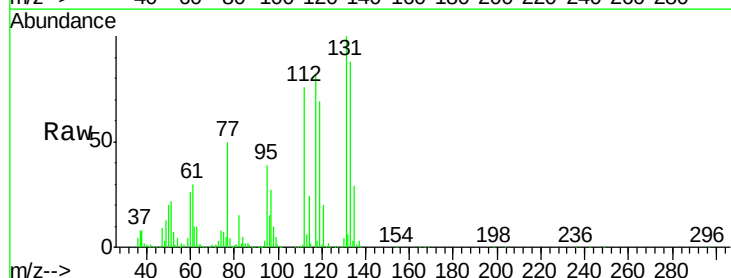
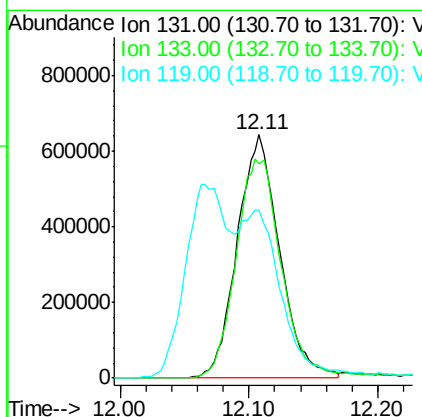
Manual Integrations
APPROVED

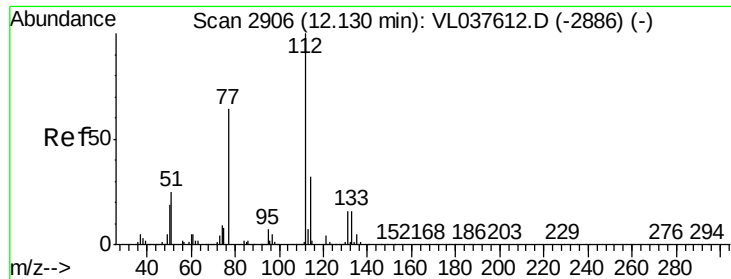
MMDadoda
10/4/2021 5:50:20 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.149 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion:131 Resp: 1465202
Ion Ratio Lower Upper
131 100
133 99.1 76.8 115.2
119 154.6 47.8 71.8#





#57

Chlorobenzene

Concen: 8.855 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion:112 Resp: 2842218

Ion Ratio Lower Upper

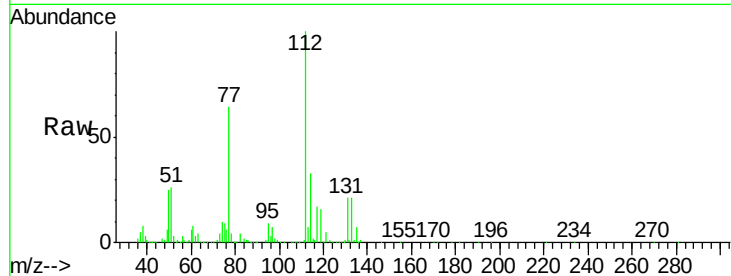
112 100

77 62.7 52.1 78.1

114 32.8 29.2 35.6

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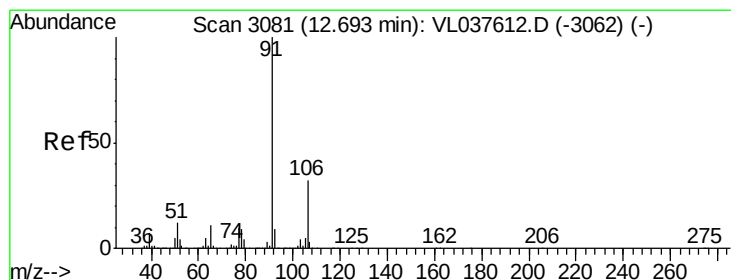
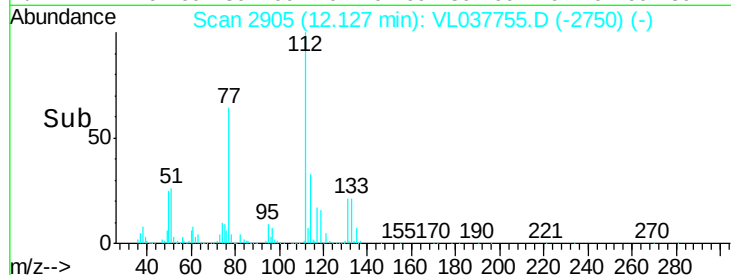
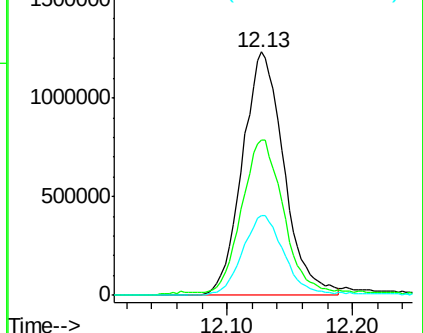
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.730 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.00 min

Lab File: VL037755.D

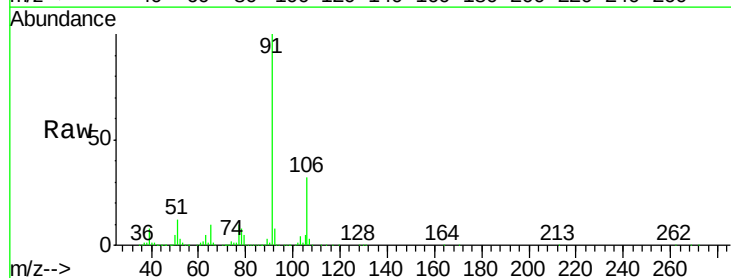
Acq: 1 Oct 2021 23:46

Tgt Ion: 91 Resp: 4986756

Ion Ratio Lower Upper

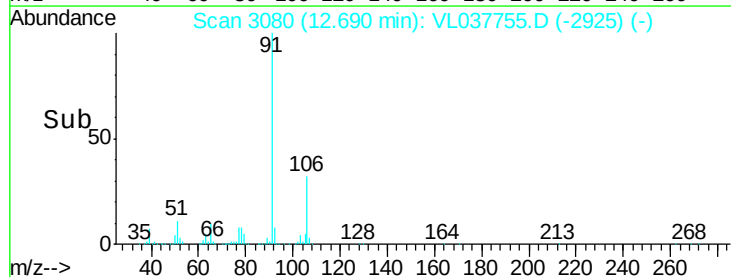
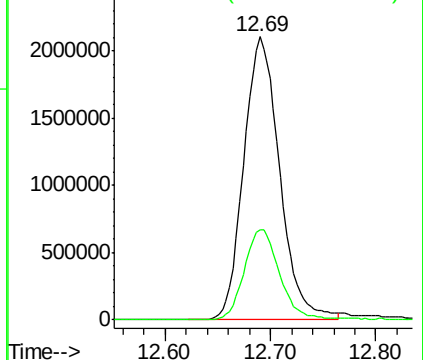
91 100

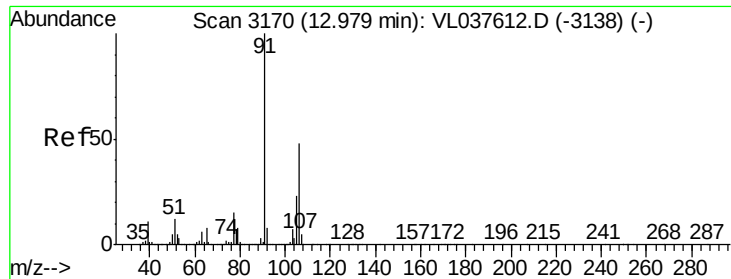
106 32.0 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





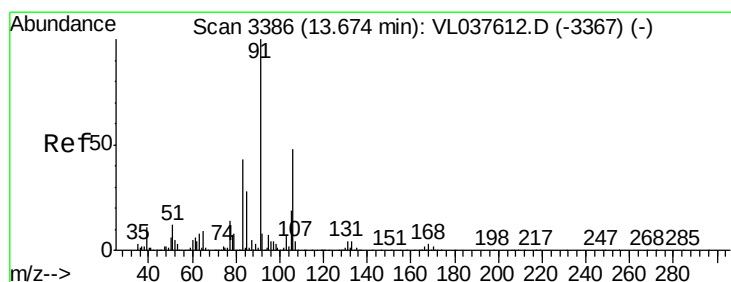
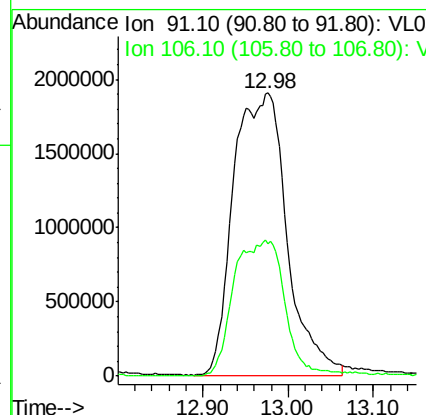
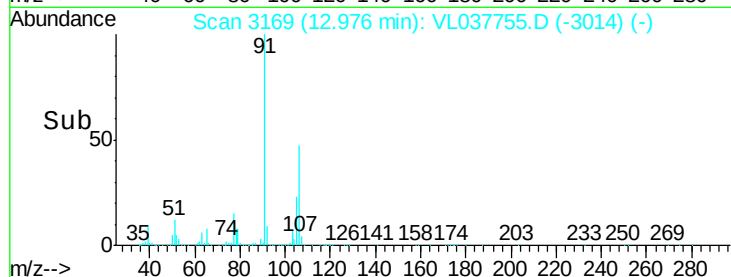
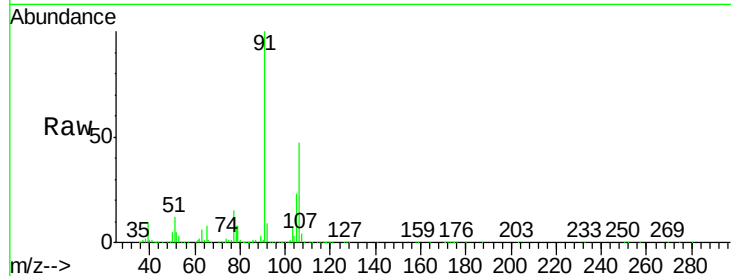
#59
m/p-Xylene
Concen: 18.612 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 91 Resp: 8312759
Ion Ratio Lower Upper
91 100
106 46.7 36.6 55.0

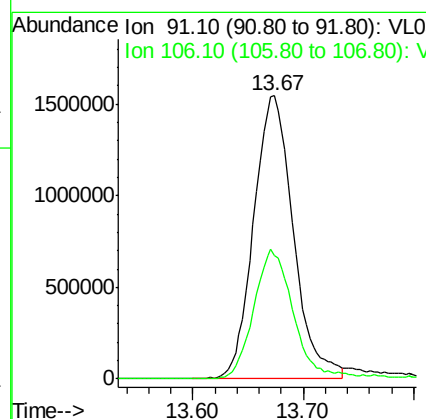
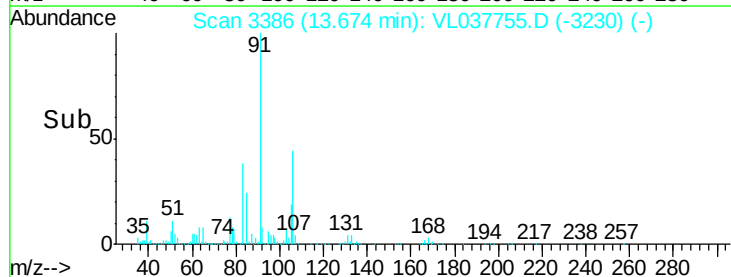
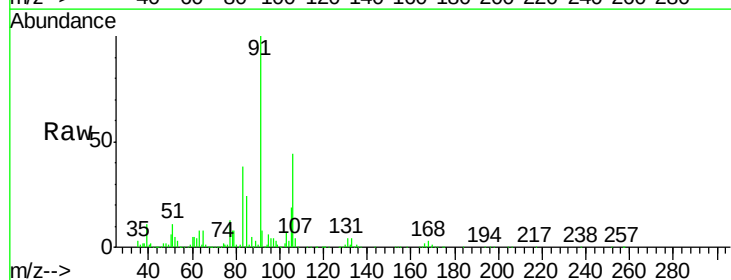
Manual Integrations
APPROVED

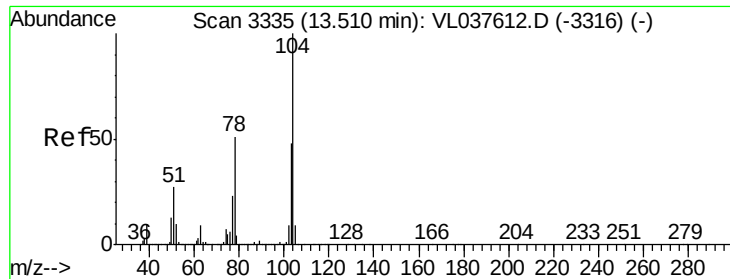
MMDadoda
10/4/2021 5:50:20 PM



#60
o-Xylene
Concen: 9.053 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion: 91 Resp: 3848674
Ion Ratio Lower Upper
91 100
106 47.3 23.0 69.0





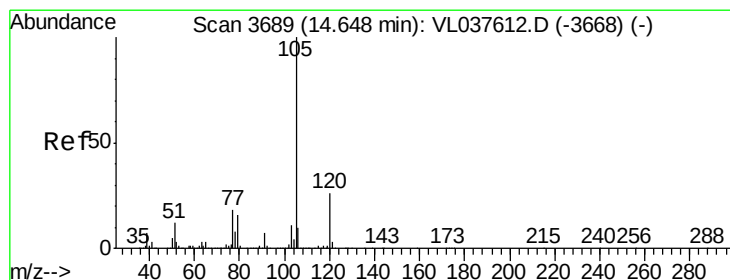
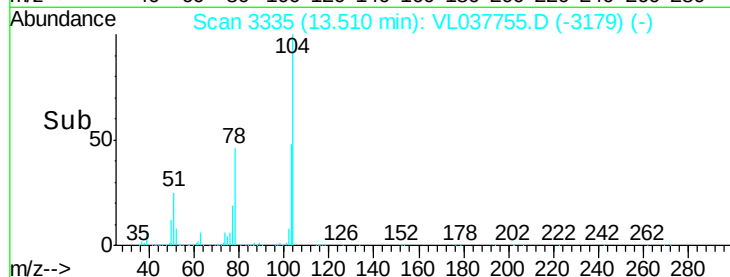
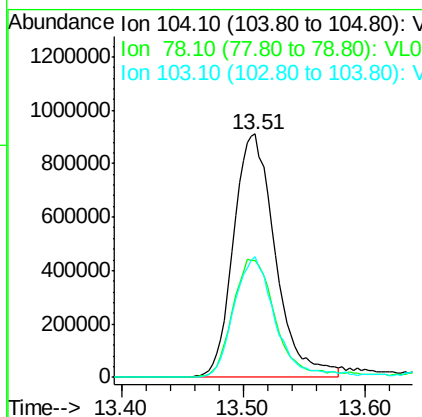
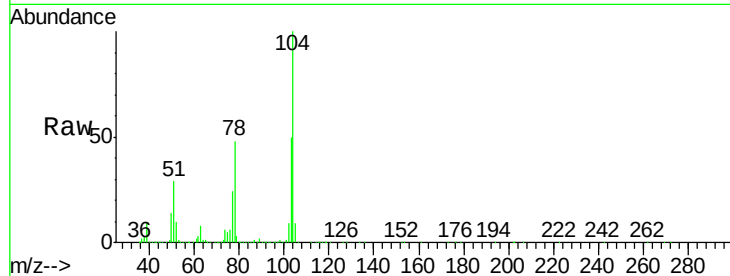
#61
Stvrene
Concen: 10.311 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.8	39.7	59.5
103	49.6	38.8	58.2

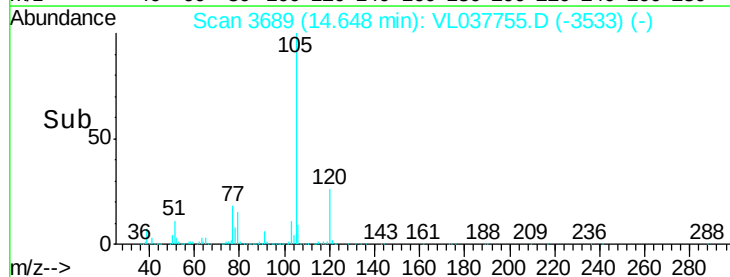
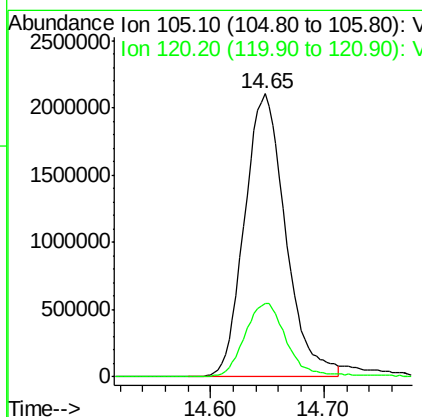
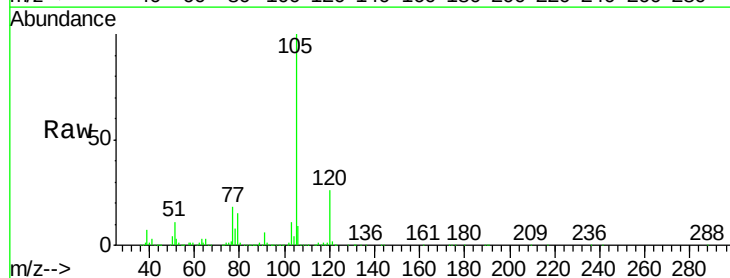
Manual Integrations
APPROVED

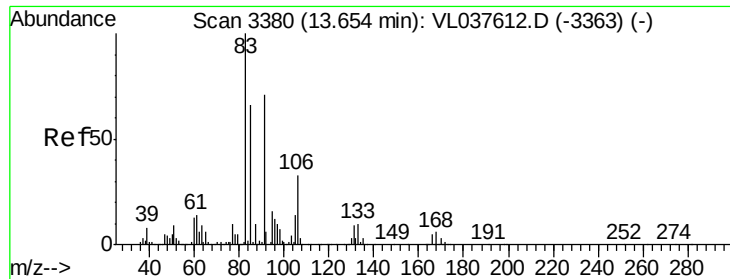
MMDadoda
10/4/2021 5:50:20 PM



#62
Isopropylbenzene
Concen: 8.962 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.4	32.0





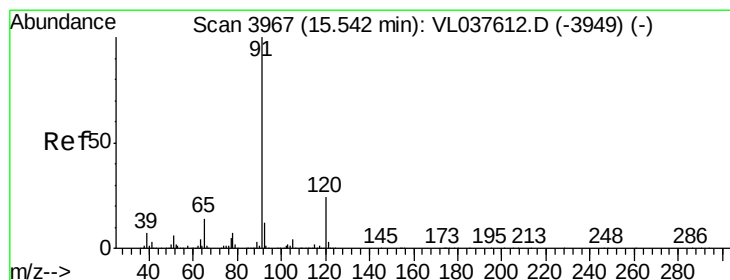
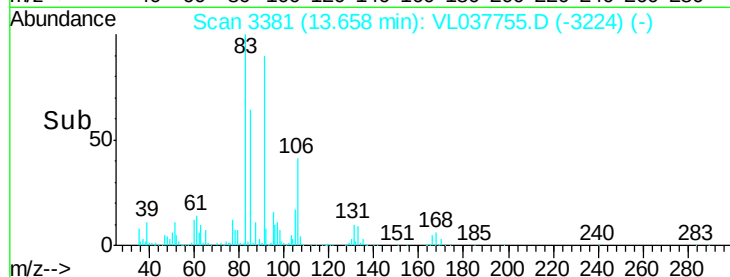
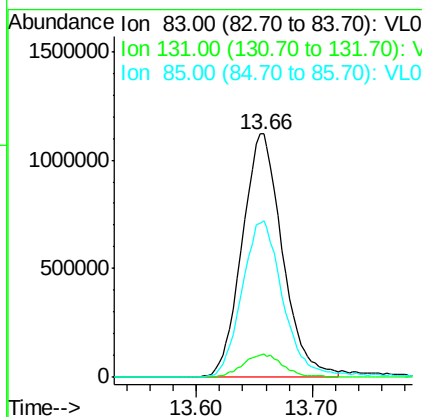
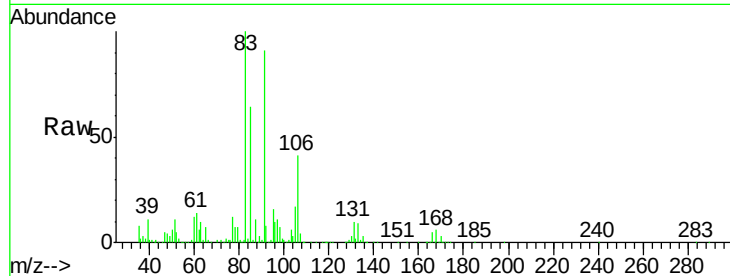
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.163 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	67.2	33.3	99.9

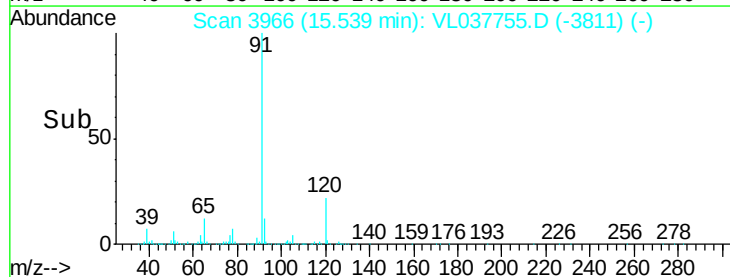
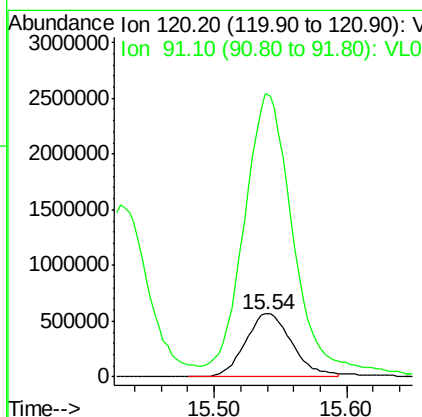
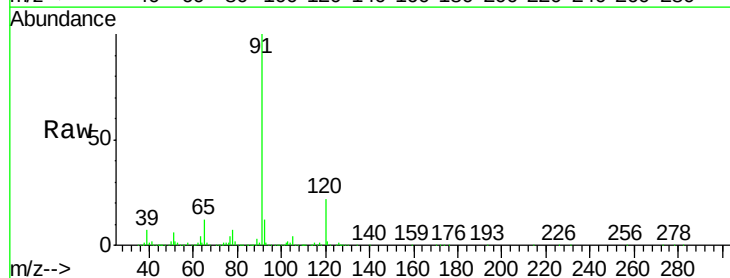
Manual Integrations
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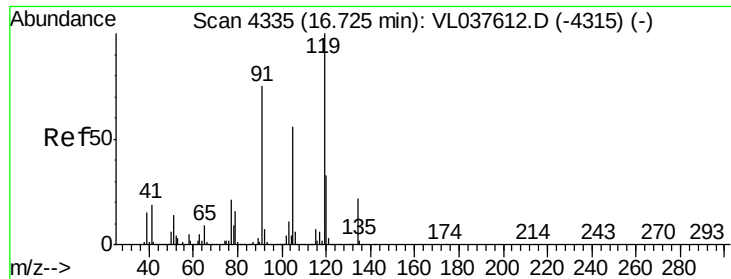
MMDadoda
 10/4/2021 5:50:20 PM



#64
 n-propylbenzene
 Concen: 9.145 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion	Ratio	Lower	Upper
120	100		
91	477.3	345.0	517.4





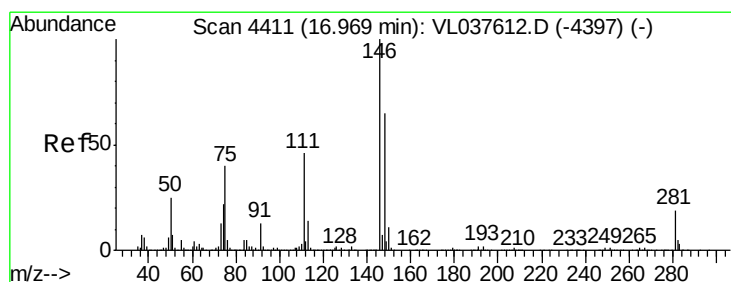
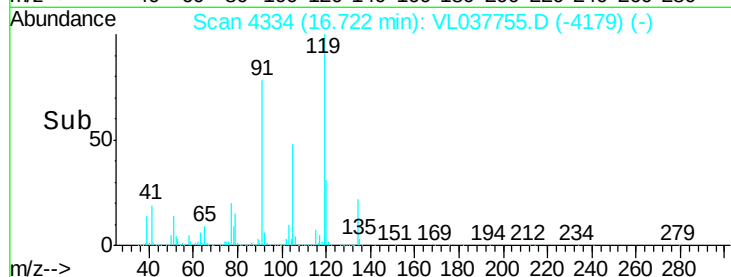
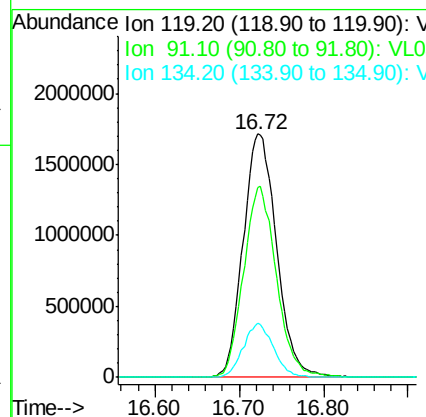
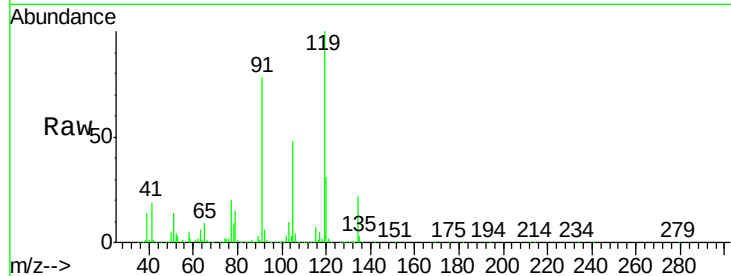
#65
tert-Butylbenzene
Concen: 8.845 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.0	61.9	92.9
134	20.3	16.5	24.7

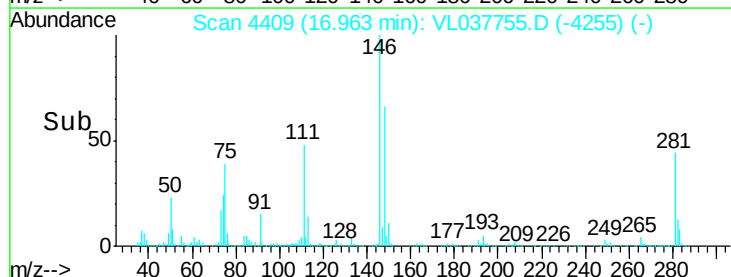
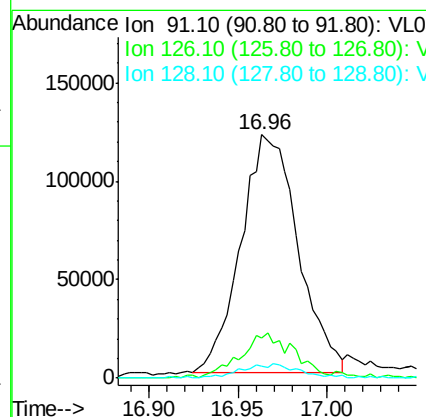
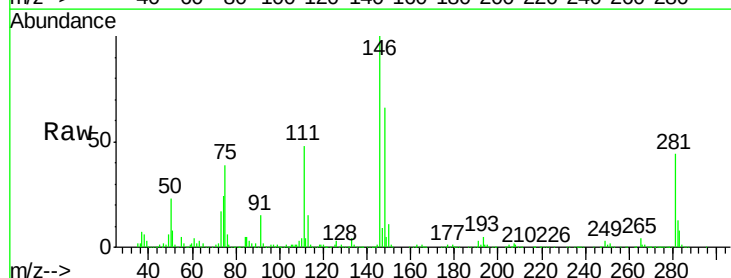
Manual Integrations
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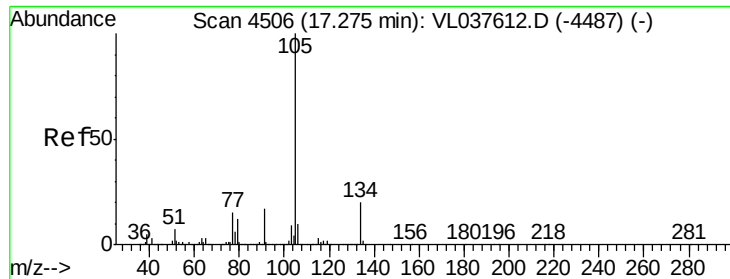
MMDadoda
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#66
Benzyl Chloride
Concen: 9.261 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.01 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.2	14.4	21.6
128	6.1	5.7	8.5





#67

sec-Butylbenzene

Concen: 9.039 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. -0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 105 Resp: 6566711

Ion Ratio Lower Upper

105 100

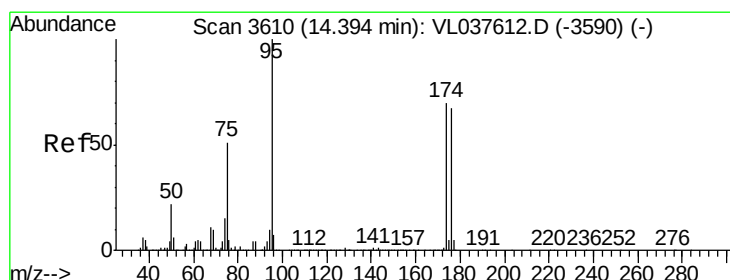
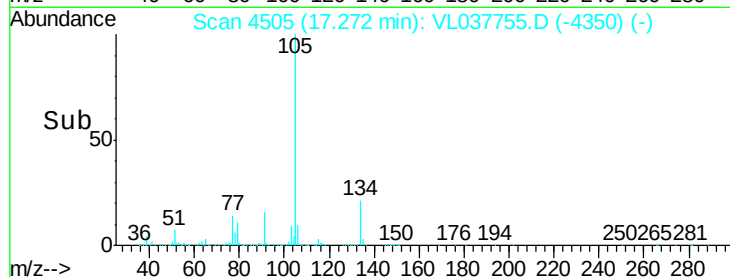
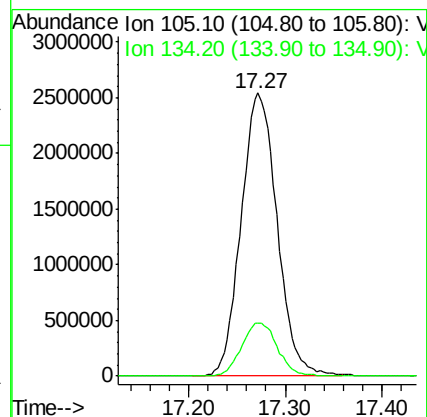
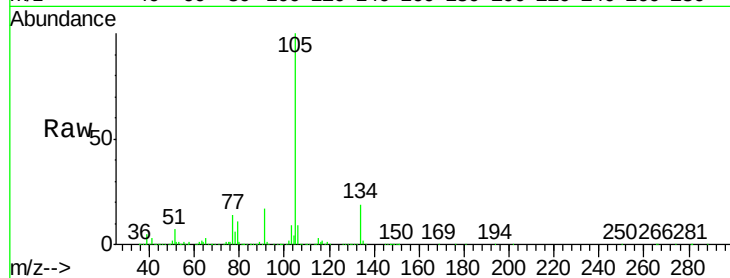
134 18.9 15.7 23.5

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.707 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

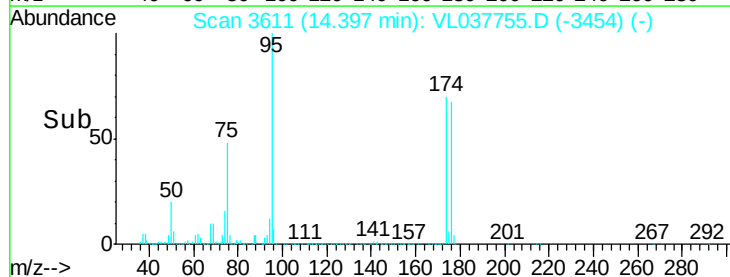
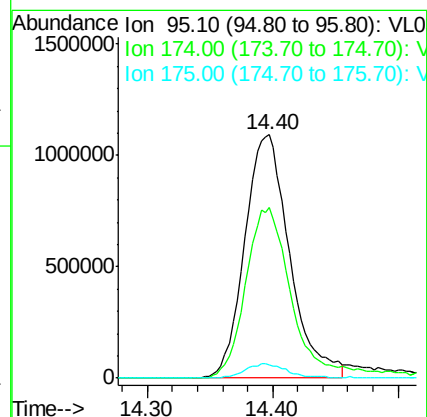
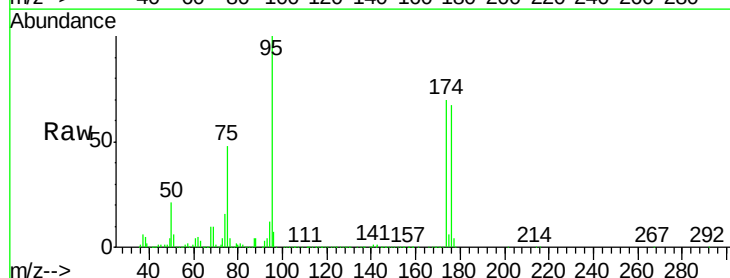
Tgt Ion: 95 Resp: 2708513

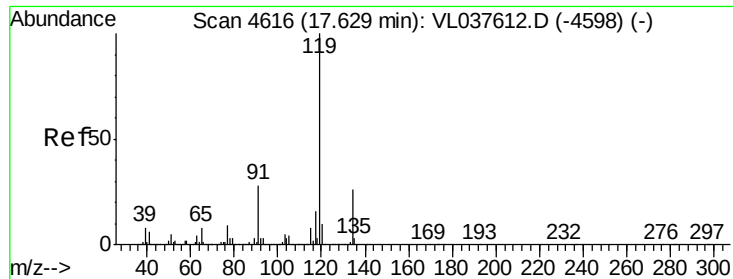
Ion Ratio Lower Upper

95 100

174 74.9 56.3 84.5

175 6.0 4.4 6.6





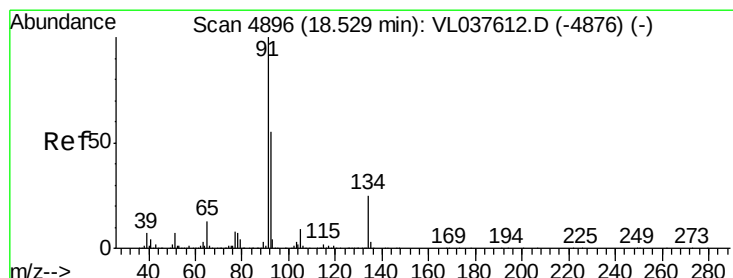
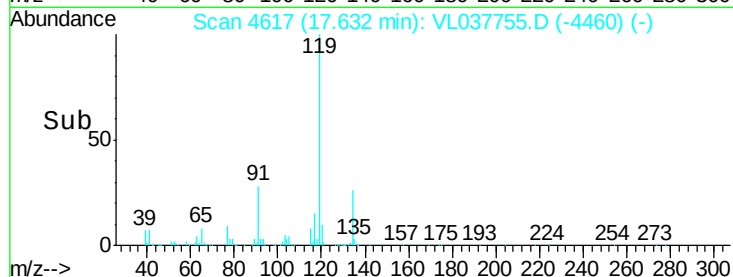
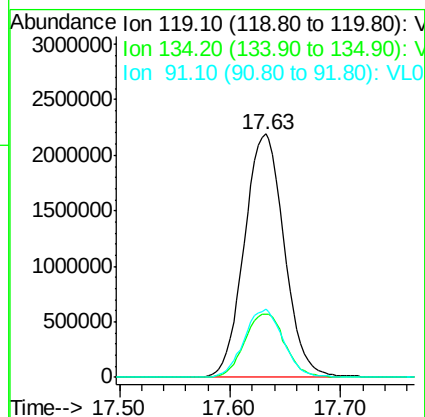
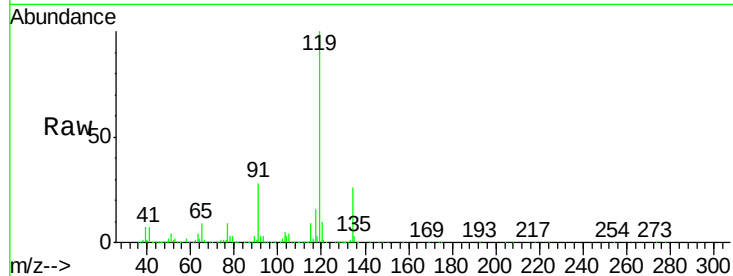
#69
 p-Isopropyltoluene
 Concen: 9.256 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	27.6	22.2	33.2

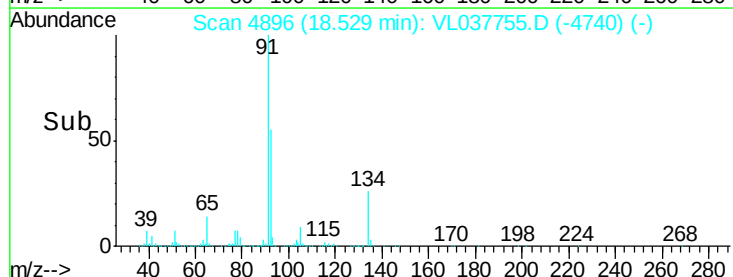
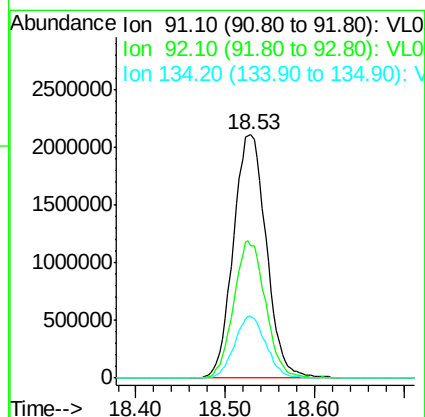
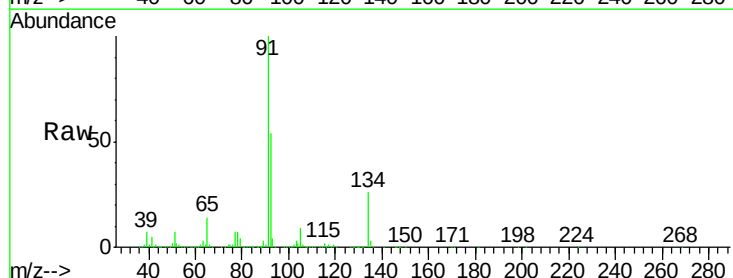
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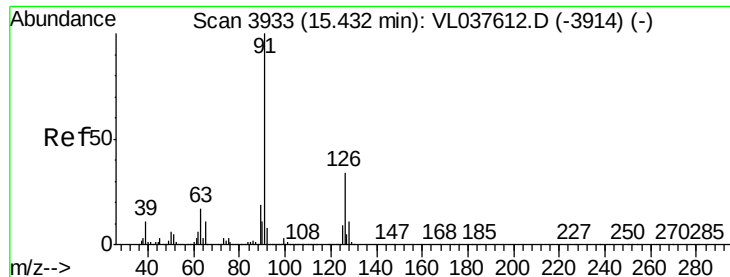
MMDadoda
 10/4/2021 5:50:20 PM



#70
 n-Butylbenzene
 Concen: 9.641 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.0	66.0
134	24.4	19.5	29.3





#71

2-Chlorotoluene

Concen: 9.071 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 91 Resp: 3860428

Ion Ratio Lower Upper

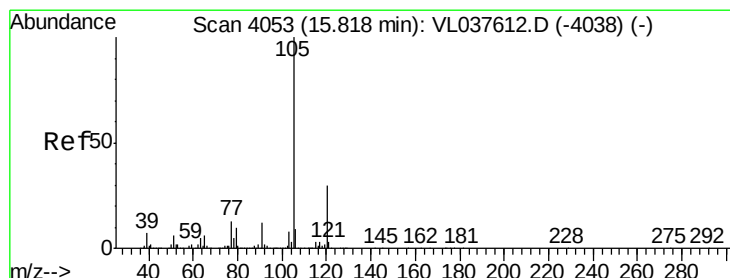
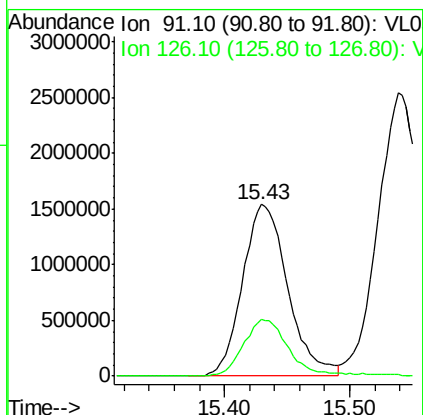
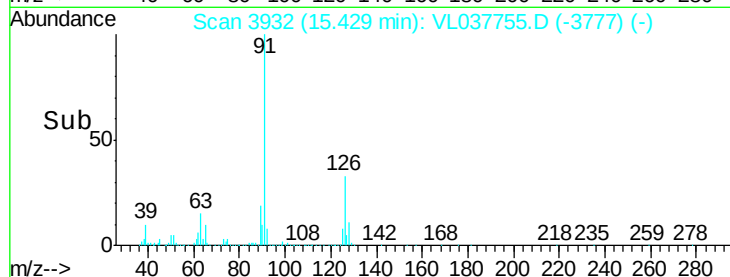
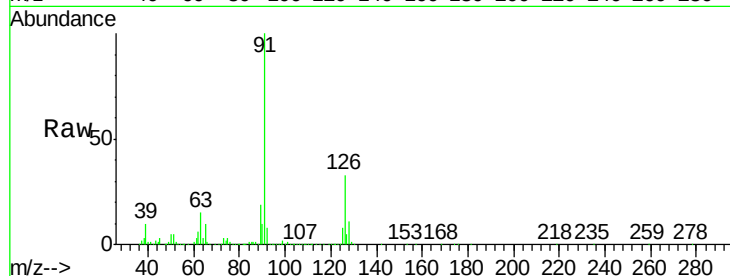
91 100

126 34.0 13.2 52.8

Manual Integrations
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#72

4-Ethyltoluene

Concen: 9.572 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037755.D

Acq: 1 Oct 2021 23:46

Tgt Ion: 105 Resp: 4671066

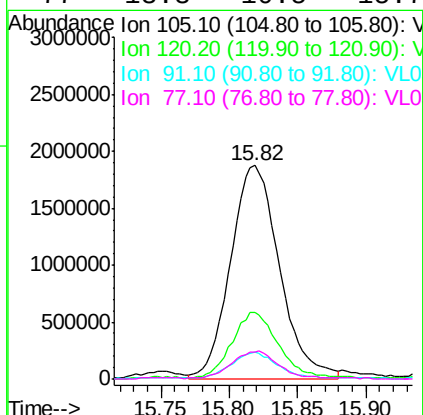
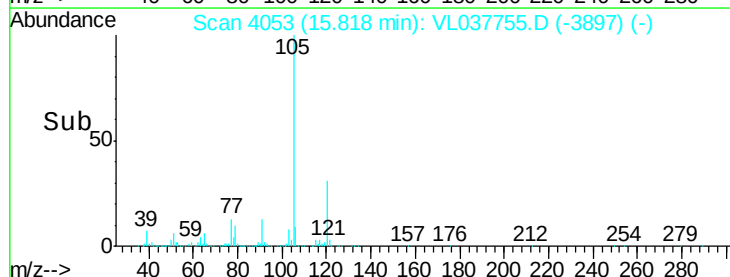
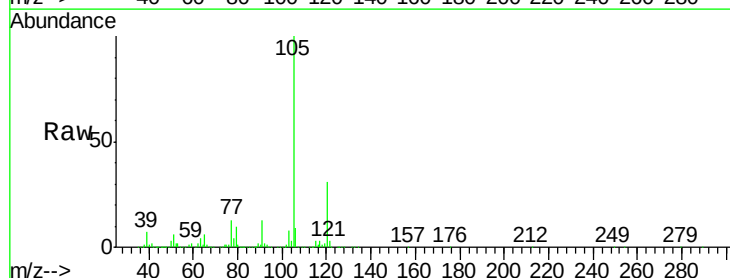
Ion Ratio Lower Upper

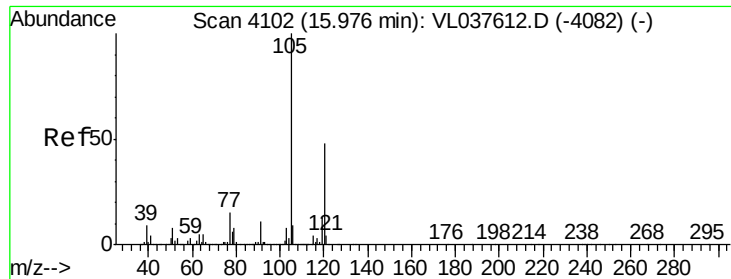
105 100

120 30.5 24.7 37.1

91 11.7 9.9 14.9

77 13.3 10.5 15.7





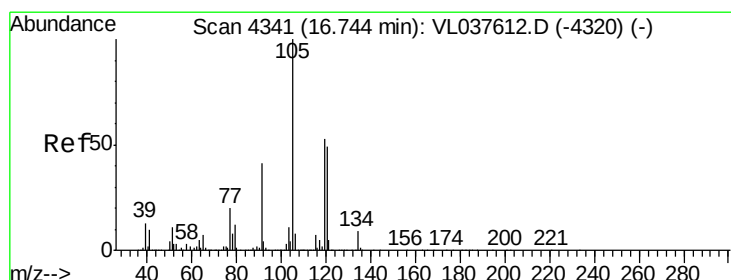
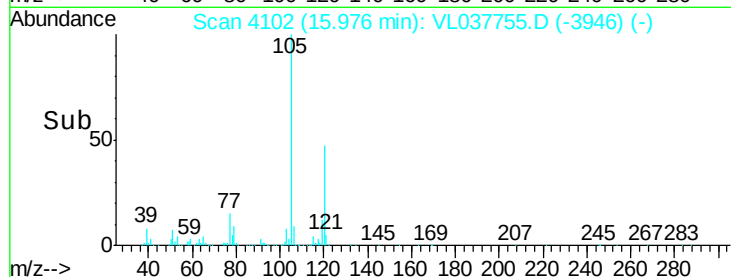
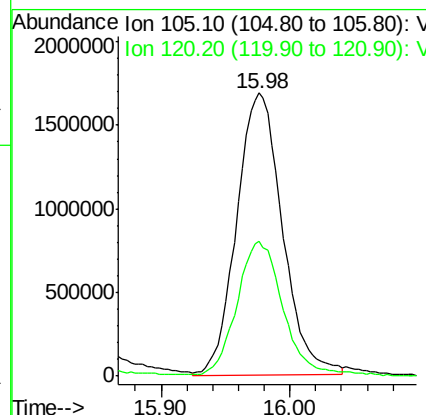
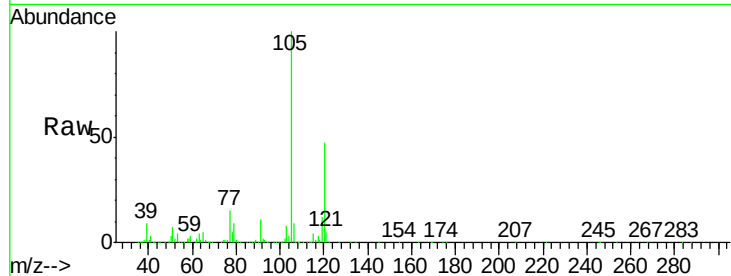
#73
 1,3,5-Trimethylbenzene
 Concen: 9.176 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion:105 Resp: 4173944
 Ion Ratio Lower Upper
 105 100
 120 47.5 38.3 57.5

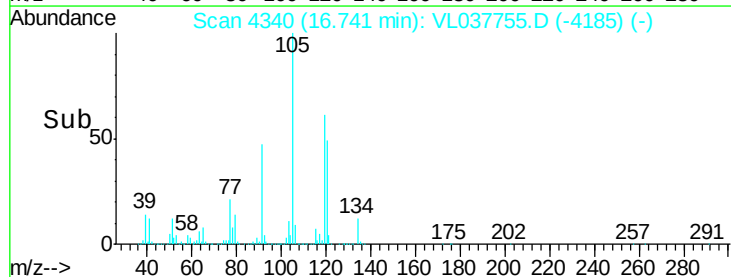
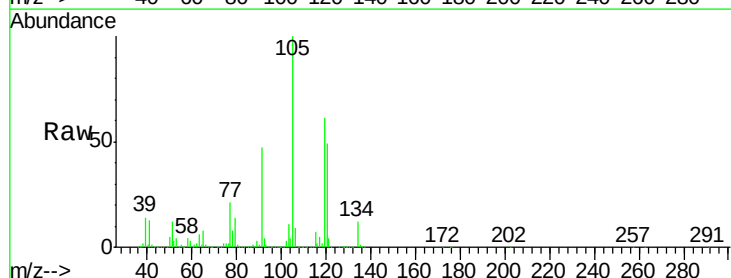
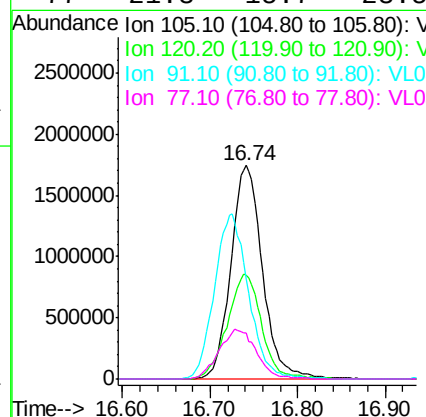
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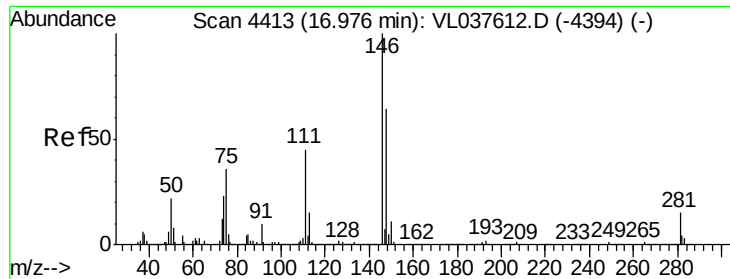
MMDadoda
 10/4/2021 5:50:20 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.090 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion:105 Resp: 4355203
 Ion Ratio Lower Upper
 105 100
 120 48.7 39.4 59.0
 91 46.4 33.3 49.9
 77 21.3 15.7 23.5





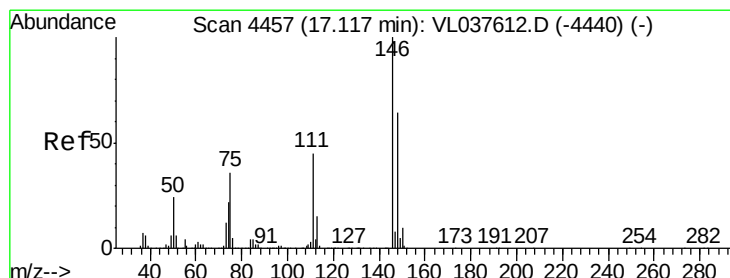
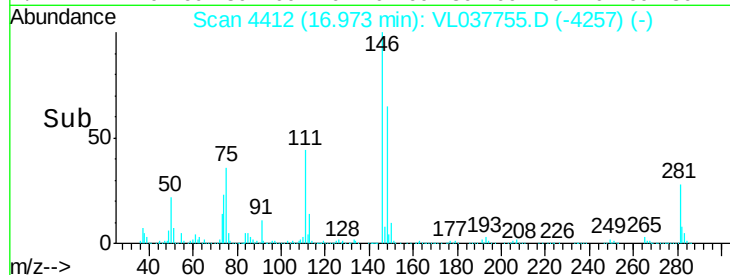
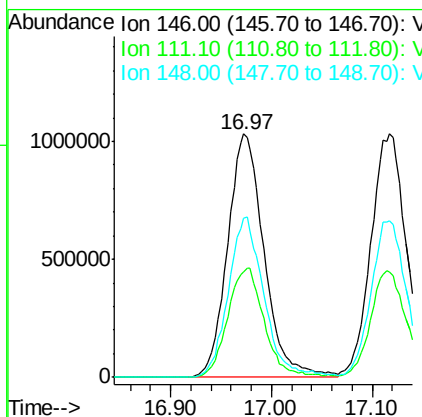
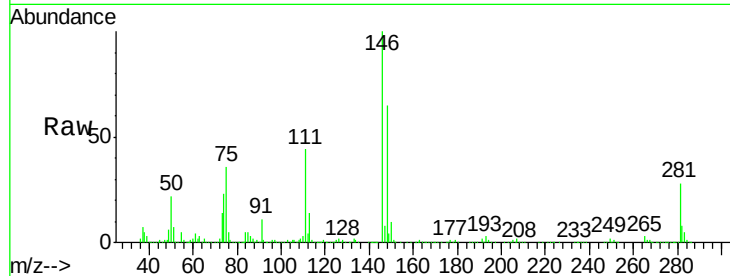
#75
 1,3-Dichlorobenzene
 Concen: 8.716 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.8	68.3
148	64.4	32.1	96.5

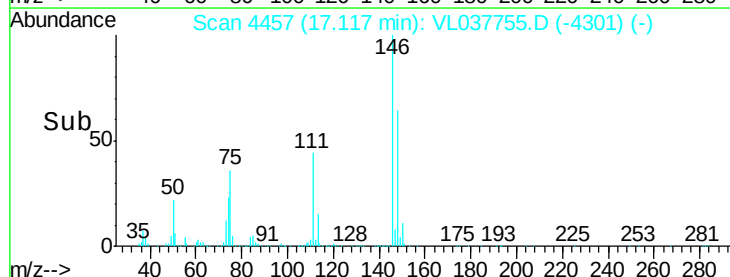
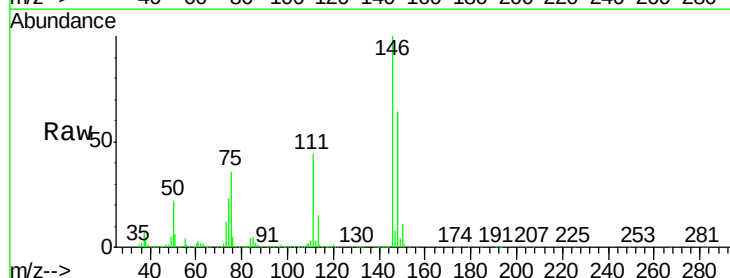
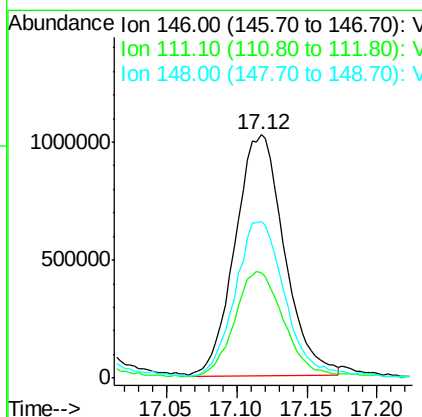
Manual Integrations
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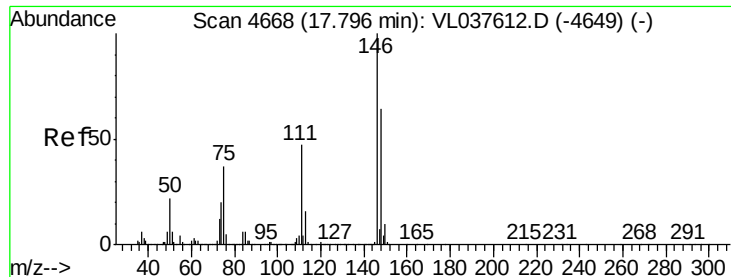
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#76
 1,4-Dichlorobenzene
 Concen: 8.507 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.5	67.5
148	67.2	32.9	98.6





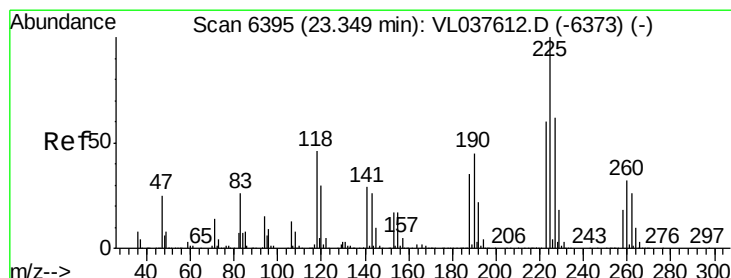
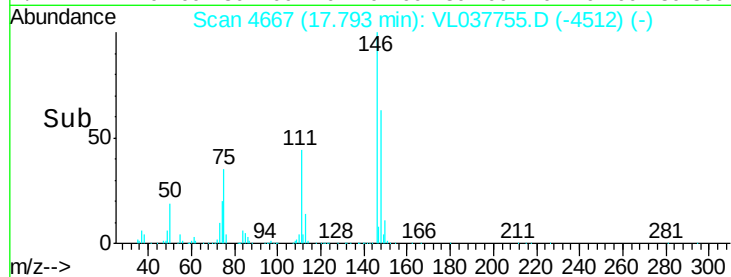
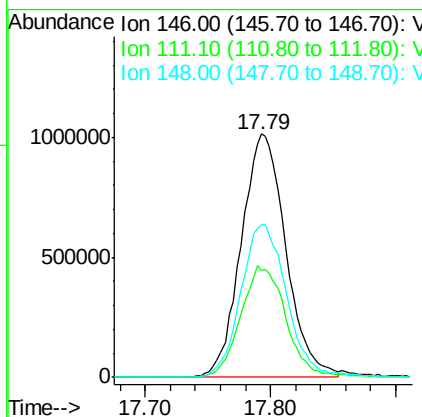
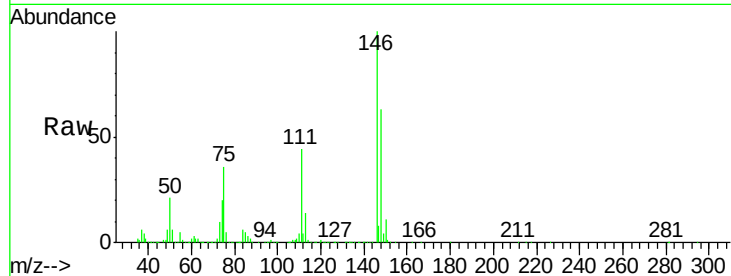
#77
 1,2-Dichlorobenzene
 Concen: 8.831 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	24.0	72.0
148	65.1	32.8	98.3

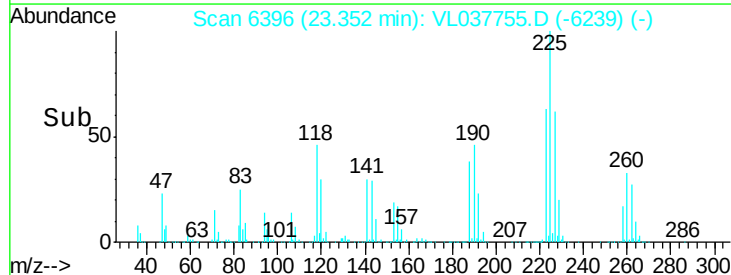
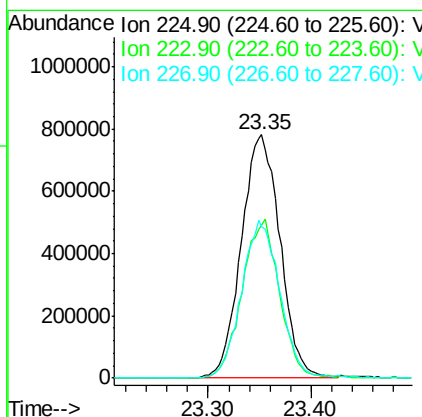
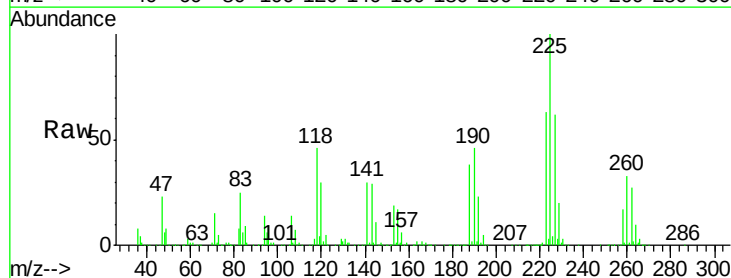
Manual Integrations
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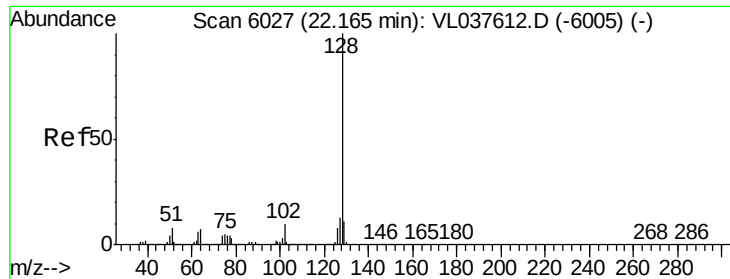
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.587 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. 0.00 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.1	76.7
227	64.3	52.2	78.4





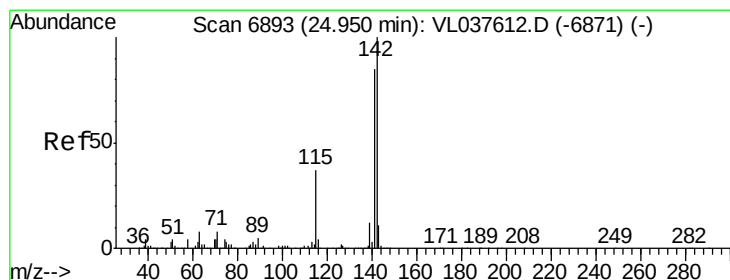
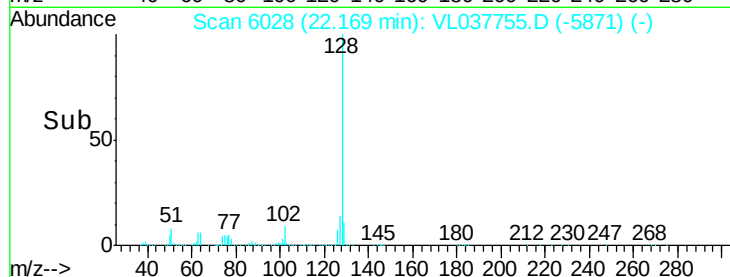
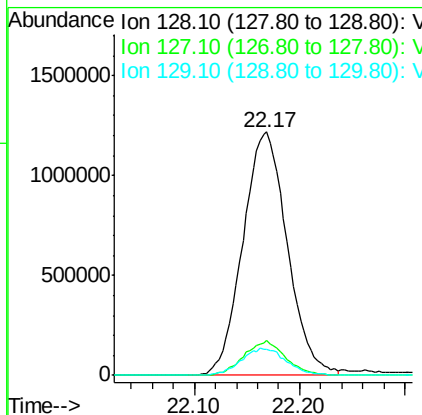
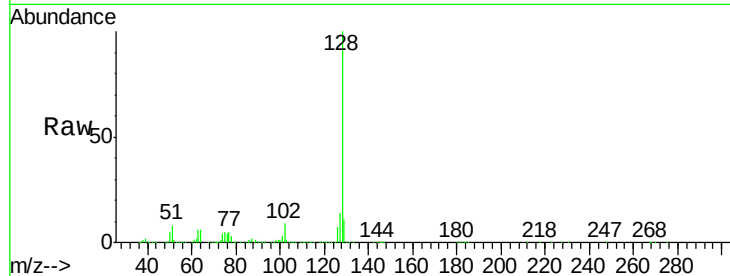
#79
Naphthalene
Concen: 12.145 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	16.0
129	10.5	8.6	12.8

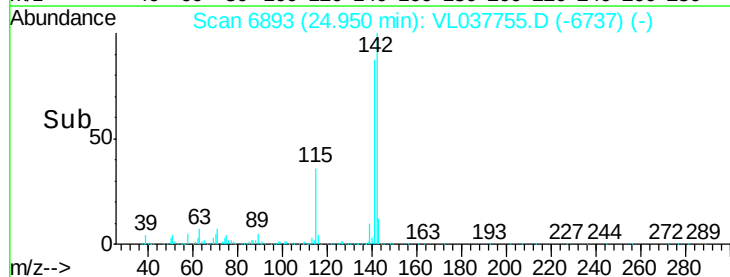
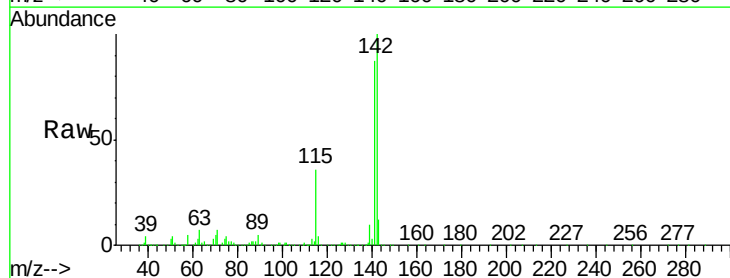
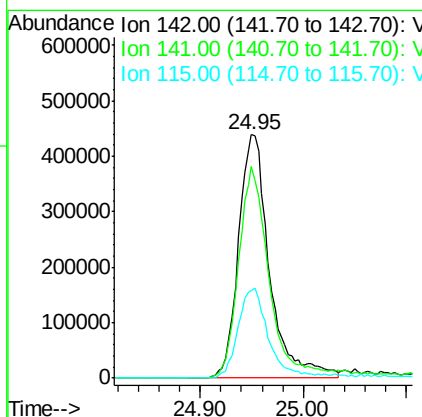
Manual Integrations
APPROVED

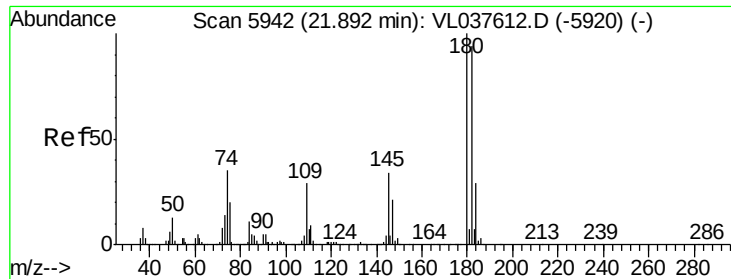
MMDadoda
10/4/2021 5:50:20 PM



#80
Naphthalene, 2-methyl-
Concen: 13.662 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. 0.00 min
Lab File: VL037755.D
Acq: 1 Oct 2021 23:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.9	106.3
115	37.4	29.6	44.4





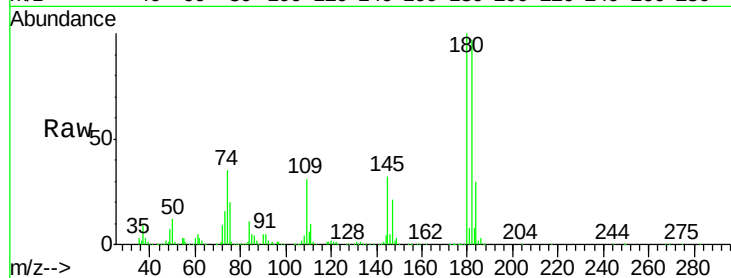
#81
 1,2,4-Trichlorobenzene
 Concen: 10.990 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.01 min
 Lab File: VL037755.D
 Acq: 1 Oct 2021 23:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.4	78.9	118.3
184	31.3	24.7	37.1

Manual Integrations
 APPROVED

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 10/4/2021 5:50:20 PM



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

