

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036957.D
 Acq On : 18 May 2021 7:03
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051821

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:54:27 PM

Quant Time: May 18 12:05:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1331251	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3926343	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3817852m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2897636	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1726548	7.645	ppbv	98
3) Chlorodifluoromethane	2.97	51	2178399	8.932	ppbv	99
4) Chloromethane	3.12	50	776090	9.351	ppbv	100
5) Vinyl Chloride	3.24	62	815975	8.995	ppbv	98
6) Bromomethane	3.46	94	429721	8.990	ppbv	99
7) Chloroethane	3.54	64	285580	9.695	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	1928253	9.094	ppbv	100
9) Propene	2.99	41	801113	9.173	ppbv	100
10) Heptane	8.10	43	1965355	9.030	ppbv	99
11) Trichlorofluoromethane	3.93	101	1949617	9.327	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1398706	9.394	ppbv	99
13) Ethanol	3.60	45	94766m	8.133	ppbv	
14) Bromoethene	3.72	108	609591	9.295	ppbv	99
15) Acetone	3.83	43	1019033	7.473	ppbv	99
16) 1,3-Butadiene	3.31	39	793199	9.363	ppbv	100
17) tert-Butyl alcohol	4.27	59	1219999	9.768	ppbv	100
18) 1,1-Dichloroethene	4.27	96	626066	9.093	ppbv	93
19) Isopropyl Alcohol	3.95	45	658525	8.984	ppbv #	32
20) Methylene Chloride	4.32	84	538213	7.363	ppbv	98
21) Allyl Chloride	4.39	41	970938	9.439	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	612785	9.287	ppbv	98
23) Vinyl Acetate	5.05	43	2049584	9.470	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1407005	9.032	ppbv	100
25) Ethyl Acetate	5.66	43	2907924	8.875	ppbv	100
26) Hexane	5.66	57	1448366	8.653	ppbv	100
27) Carbon Disulfide	4.53	76	1600866	9.489	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1788596	8.914	ppbv	100
29) Chloroform	5.73	83	2163286	9.148	ppbv	100
30) Cyclohexane	7.11	84	1296786	9.117	ppbv	100
31) cis-1,2-Dichloroethene	5.53	61	1435892	9.568	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2230819	8.785	ppbv	99
34) 2-Butanone	5.22	43	1374843	9.616	ppbv	100
35) Carbon Tetrachloride	7.00	117	2283028	8.751	ppbv	99
36) Benzene	6.87	78	3065816	9.065	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1588029	9.471	ppbv	99
38) Trichloroethene	7.81	130	1188960	8.218	ppbv	99
39) 1,2-Dichloropropane	7.59	63	1178136	9.043	ppbv	98
40) 1,4-Dioxane	7.82	88	254510	8.274	ppbv #	100
41) Tetrahydrofuran	6.03	42	751789	9.233	ppbv	100
42) Bromodichloromethane	7.77	83	2355085	9.284	ppbv	99
43) Methyl Methacrylate	7.99	69	1109463	9.518	ppbv	100

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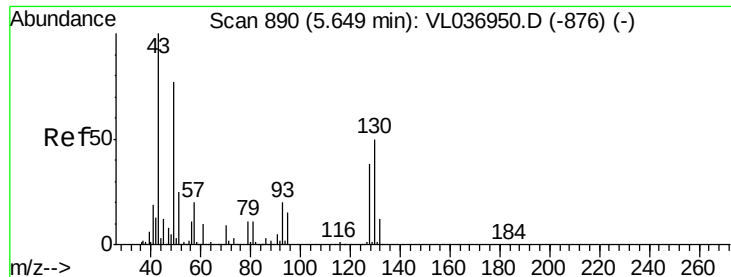
Manual Integrations
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Quant Time: May 18 12:05:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	5049638	8.703	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	923115	10.366	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1178696	9.840	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	1259938	9.240	ppbv	97
48) Dibromochloromethane	10.28	129	2159832	9.783	ppbv	100
49) Bromoform	13.01	173	1840080	10.092	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2204896	9.346	ppbv	100
51) 2-Hexanone	10.11	43	1186042	9.510	ppbv #	100
52) Tetrachloroethene	11.19	164	1186487	8.822	ppbv	98
53) Toluene	9.78	91	3613575	8.980	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1797537	9.272	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1425394	8.873	ppbv	100
57) Chlorobenzene	12.12	112	2634591	8.900	ppbv	98
58) Ethyl Benzene	12.68	91	4736045	8.789	ppbv	99
59) m/p-Xylene	12.97	91	7741660m	17.381	ppbv	
60) o-Xylene	13.67	91	3696736	8.702	ppbv	100
61) Styrene	13.50	104	2247313	9.390	ppbv	99
62) Isopropylbenzene	14.64	105	5220366	8.551	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2567897	8.094	ppbv	100
64) n-propylbenzene	15.54	120	1435628	9.114	ppbv	99
65) tert-Butylbenzene	16.72	119	4691358	8.516	ppbv	100
66) Benzyl Chloride	16.96	91	271899	8.895	ppbv	99
67) sec-Butylbenzene	17.27	105	6468150	8.607	ppbv	100
69) p-Isopropyltoluene	17.63	119	5660634	8.760	ppbv	100
70) n-Butylbenzene	18.52	91	5544639	9.033	ppbv	100
71) 2-Chlorotoluene	15.43	91	3896264	8.836	ppbv	99
72) 4-Ethyltoluene	15.82	105	4596183	9.116	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4170105	8.808	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4279214	8.741	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	2691283	9.003	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2676465	8.855	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2666074	8.901	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	1970796	8.182	ppbv	99
79) Naphthalene	22.17	128	4196661m	10.925	ppbv	
80) Naphthalene, 2-methyl-	24.95	142	1018991m	12.200	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	2301269	9.828	ppbv	98

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



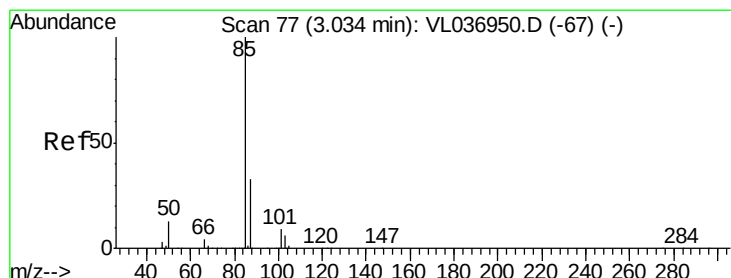
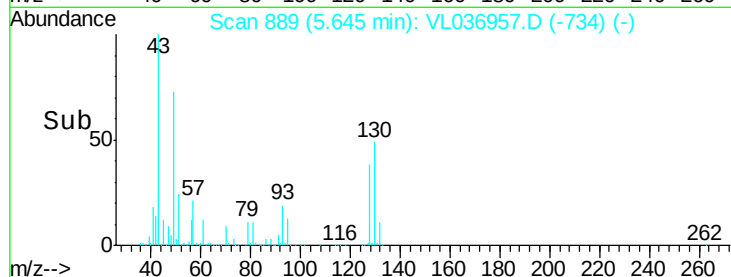
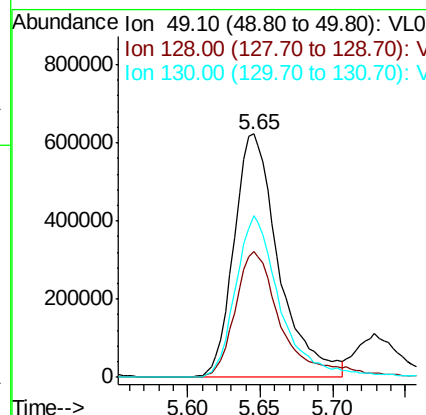
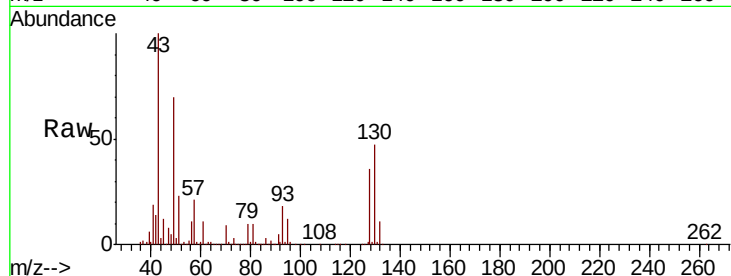
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Instrument :
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ClientSampleId :
ICVVL051821

Tot Ion: 49 Resp: 1331251
Ion Ratio Lower Upper
49 100
128 55.3 26.9 80.7
130 67.6 33.8 101.4

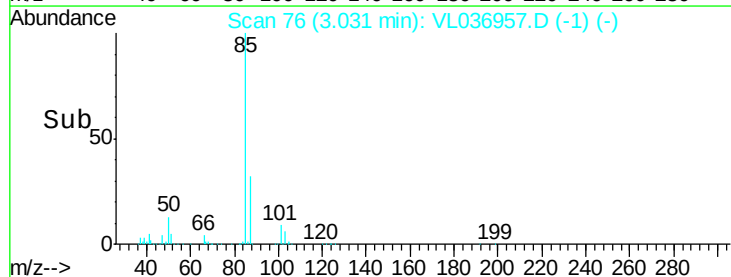
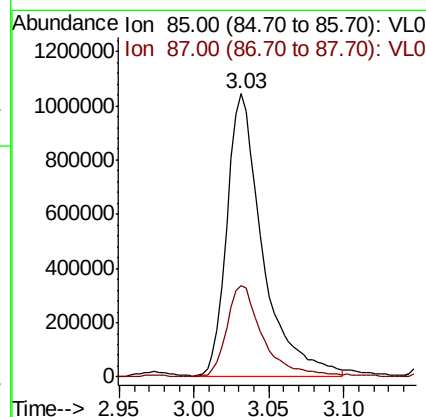
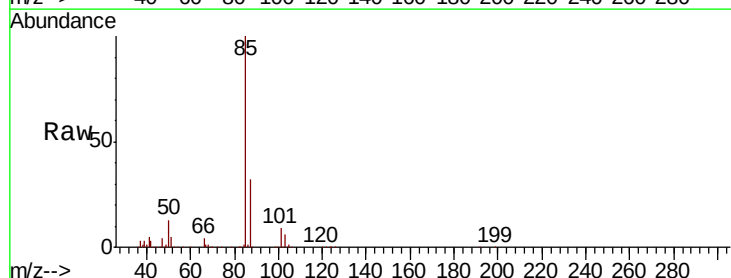
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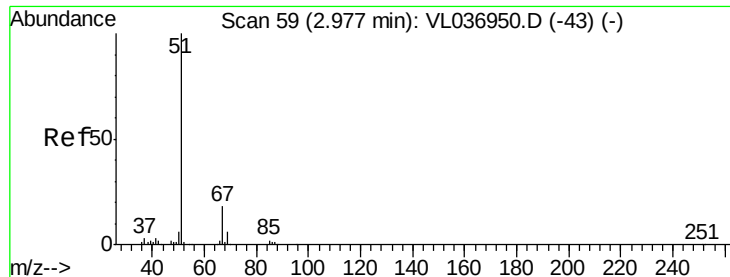
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#2
Dichlorodifluoromethane
Concen: 7.645 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Tgt Ion: 85 Resp: 1726548
Ion Ratio Lower Upper
85 100
87 32.3 26.6 39.8





#3

Chlorodifluoromethane

Concen: 8.932 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion: 51 Resp: 2178399

Ion Ratio Lower Upper

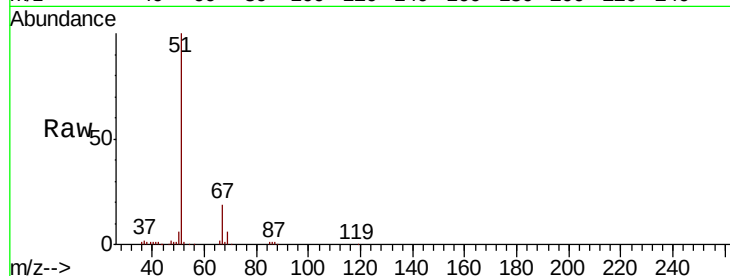
51 100

67 17.9 14.6 21.8

Manual Integrations
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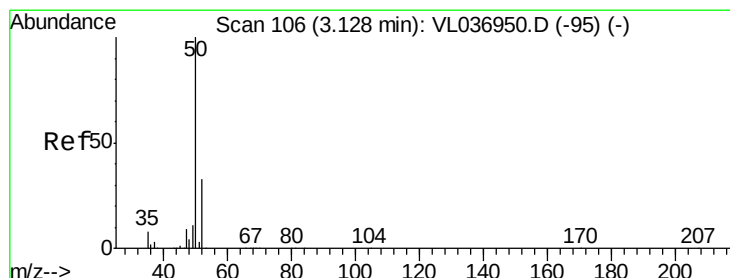
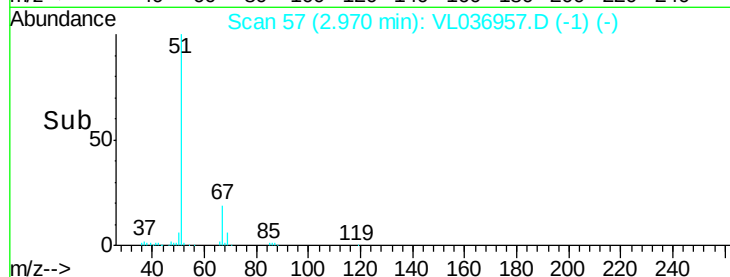
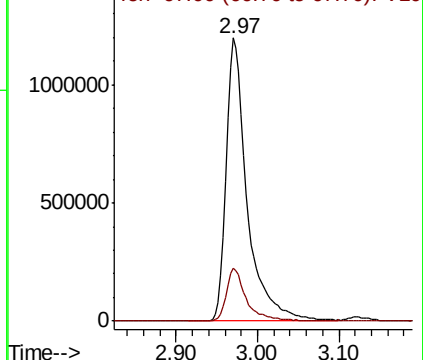
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.351 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036957.D

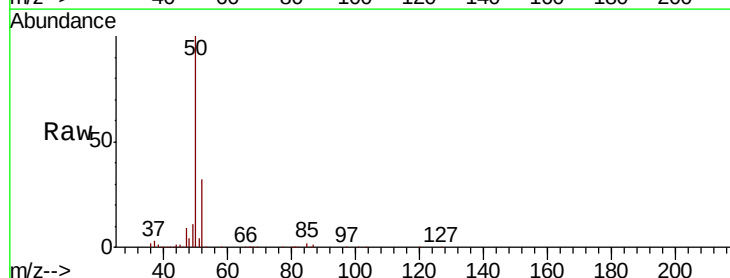
Acq: 18 May 2021 7:03

Tgt Ion: 50 Resp: 776090

Ion Ratio Lower Upper

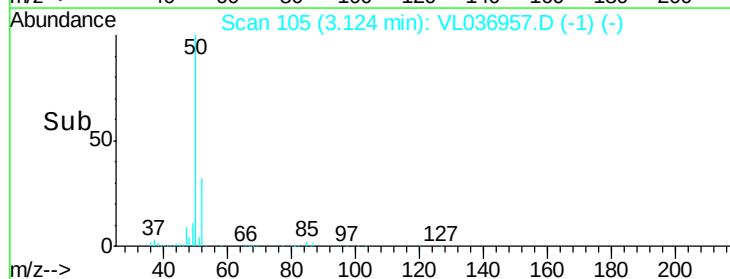
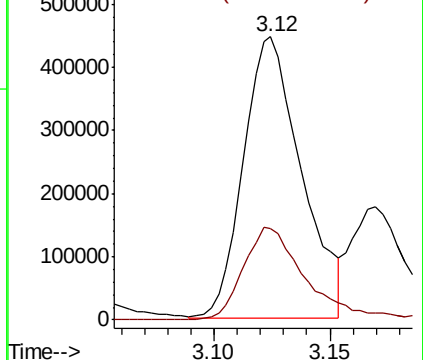
50 100

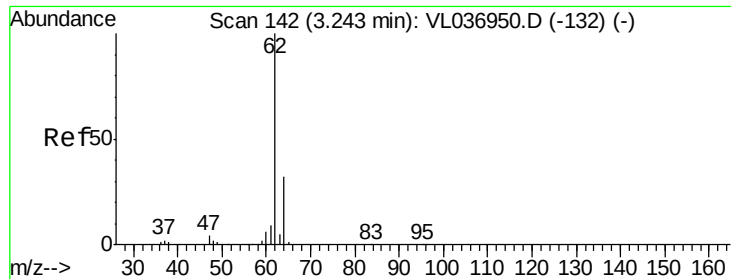
52 32.7 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.995 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion: 62 Resp: 815975

Ion Ratio Lower Upper

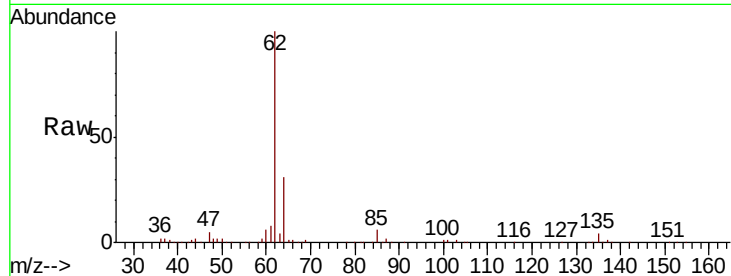
62 100

64 31.4 25.9 38.9

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

400000

300000

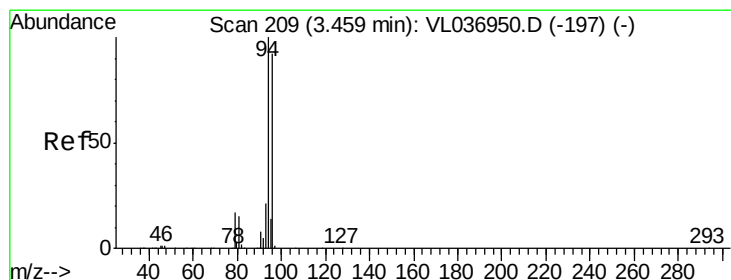
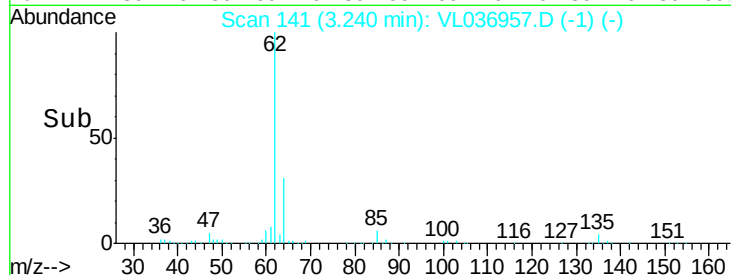
200000

100000

0

3.20 3.25 3.30

Time-->



#6

Bromomethane

Concen: 8.990 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL036957.D

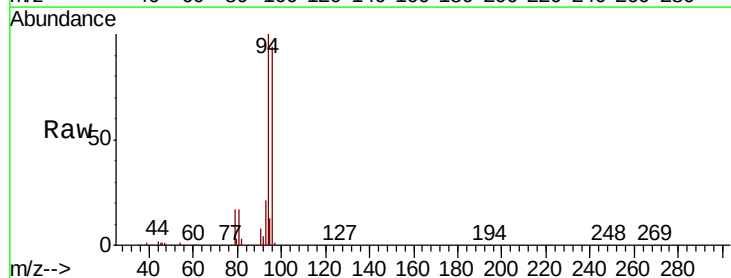
Acq: 18 May 2021 7:03

Tgt Ion: 94 Resp: 429721

Ion Ratio Lower Upper

94 100

96 93.8 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

250000

200000

150000

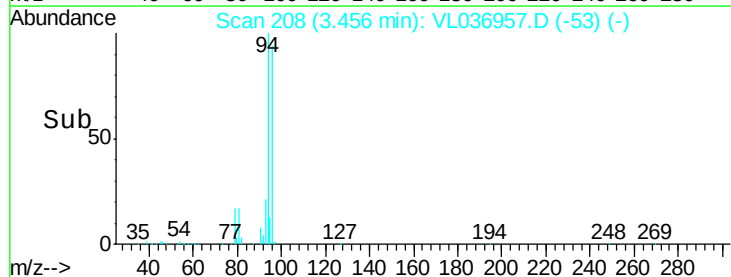
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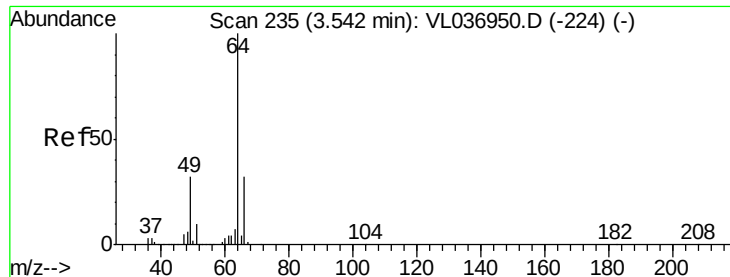
50000

0

3.40 3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 9.695 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion: 64 Resp: 285580

Ion Ratio Lower Upper

64 100

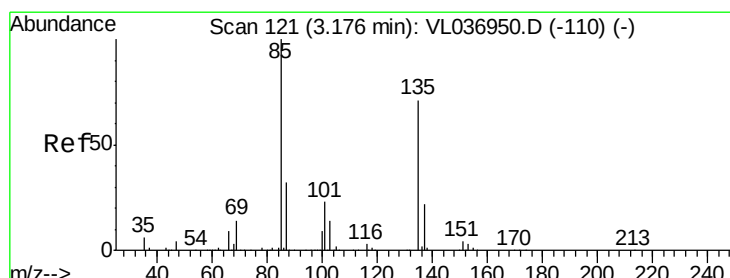
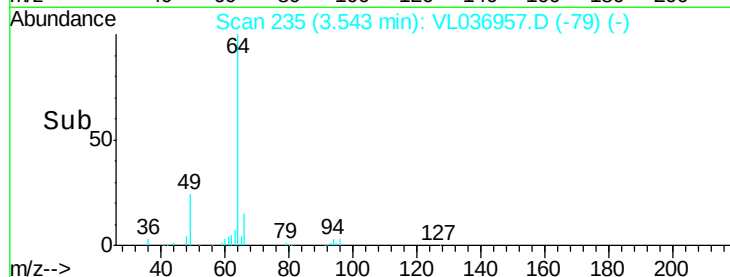
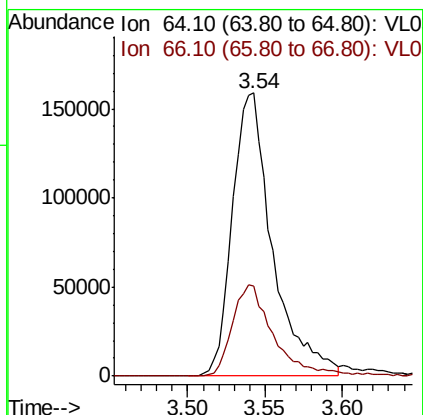
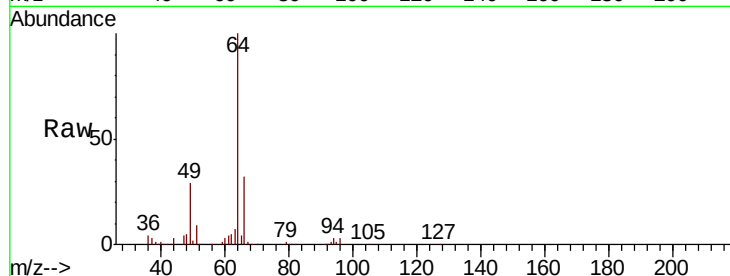
66 31.9 25.4 38.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.094 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036957.D

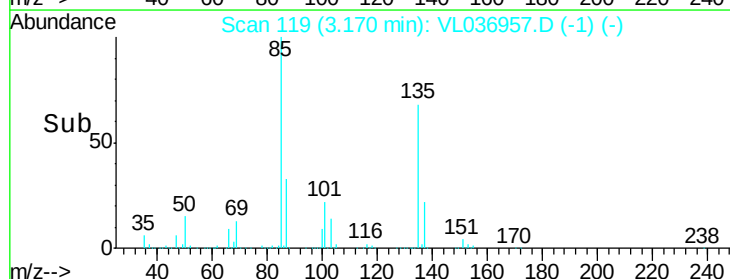
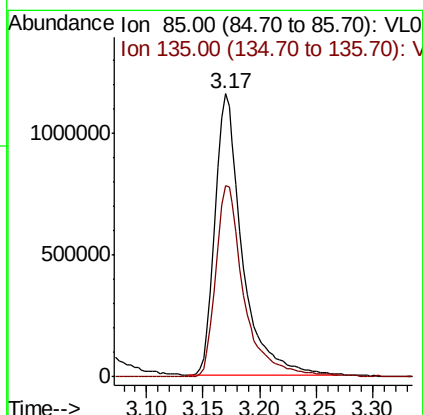
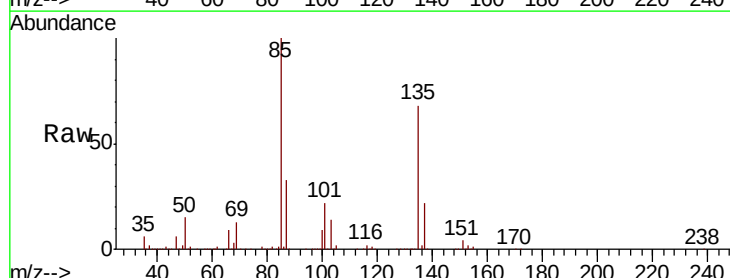
Acq: 18 May 2021 7:03

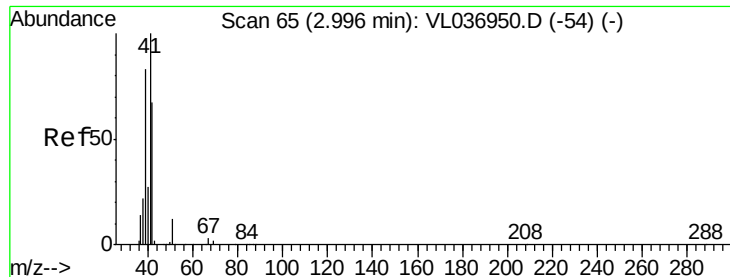
Tgt Ion: 85 Resp: 1928253

Ion Ratio Lower Upper

85 100

135 72.0 57.7 86.5





#9

Propene

Concen: 9.173 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 801113

Ion Ratio Lower Upper

41 100

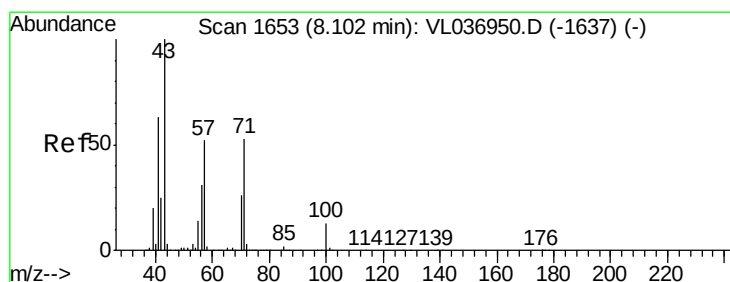
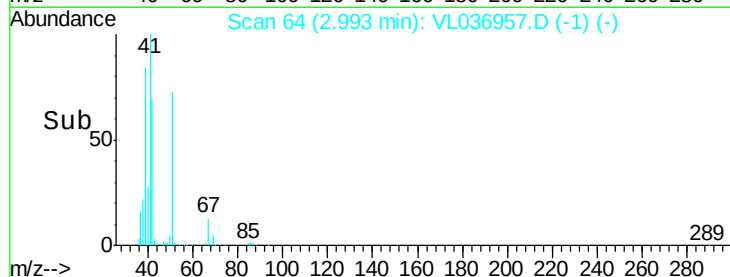
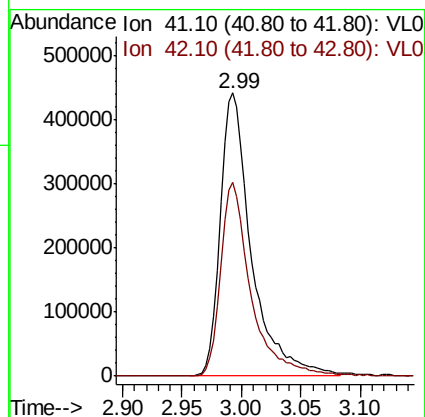
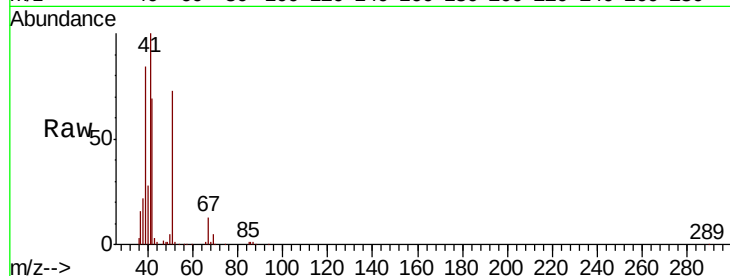
42 67.2 53.9 80.9

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#10

Heptane

Concen: 9.030 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL036957.D

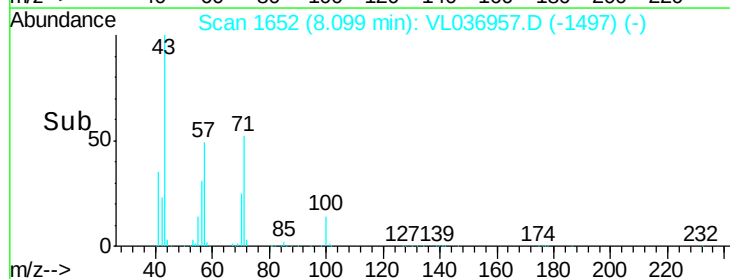
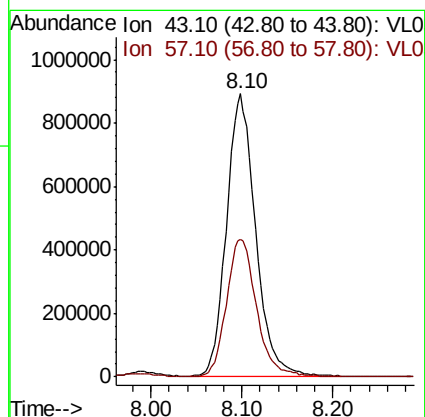
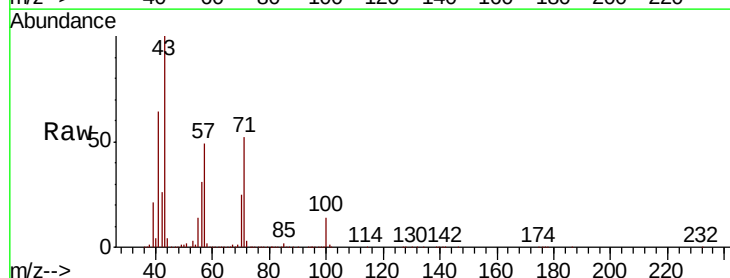
Acq: 18 May 2021 7:03

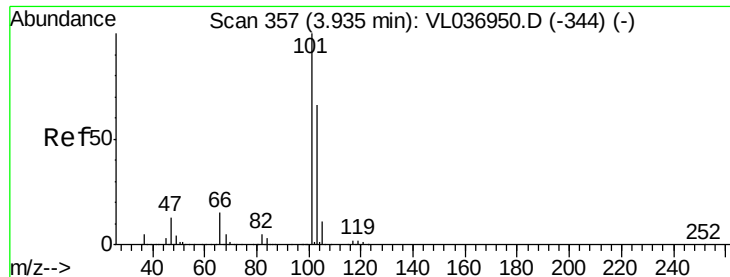
Tgt Ion: 43 Resp: 1965355

Ion Ratio Lower Upper

43 100

57 50.9 41.0 61.6





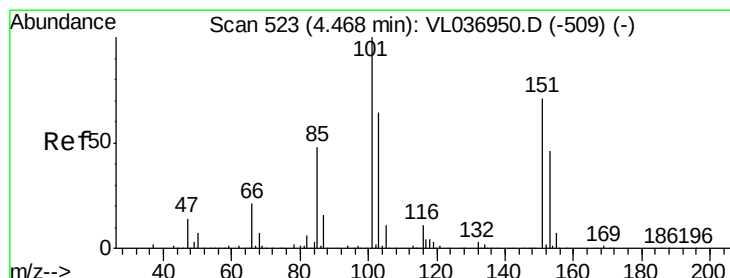
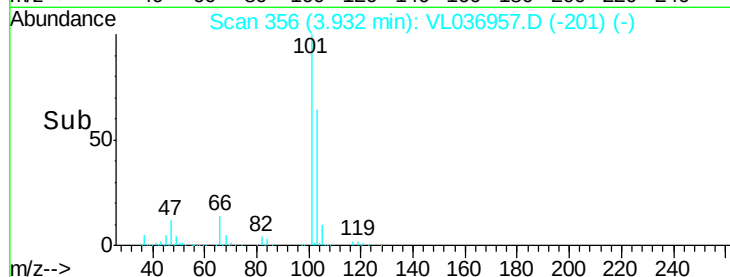
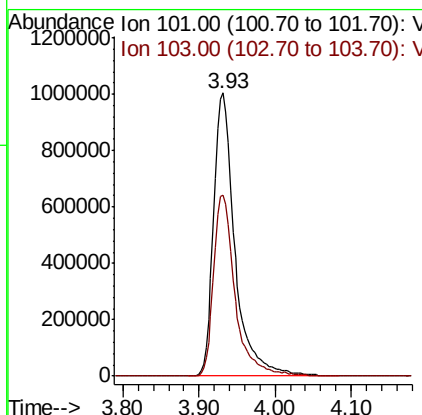
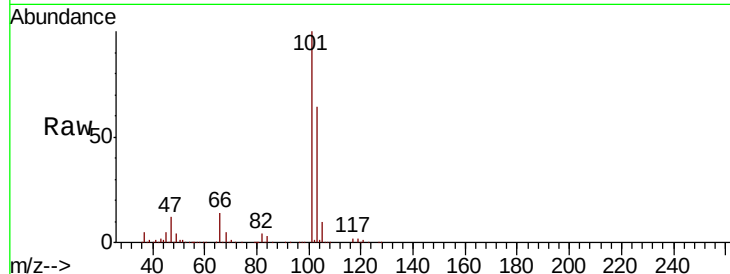
#11
 Trichlorofluoromethane
 Concen: 9.327 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051821

Tot Ion:101 Resp: 1949617
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.6 79.0

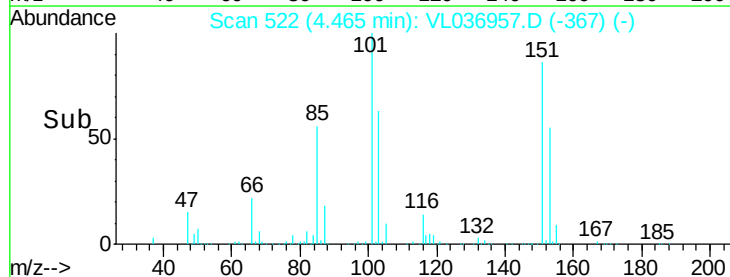
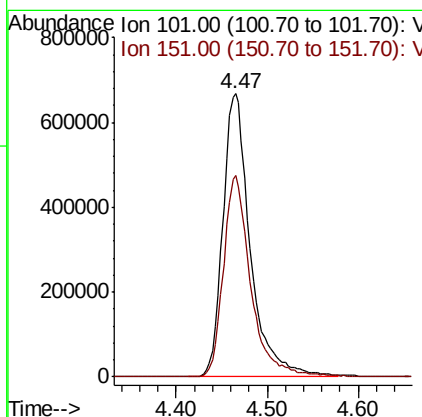
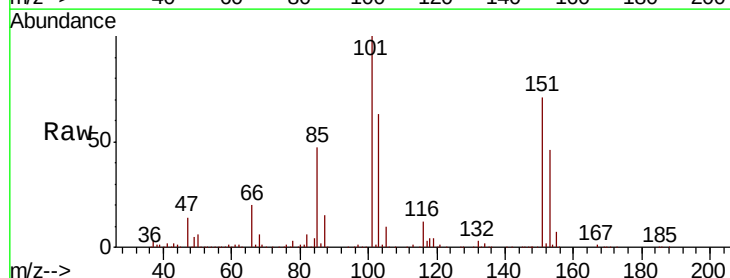
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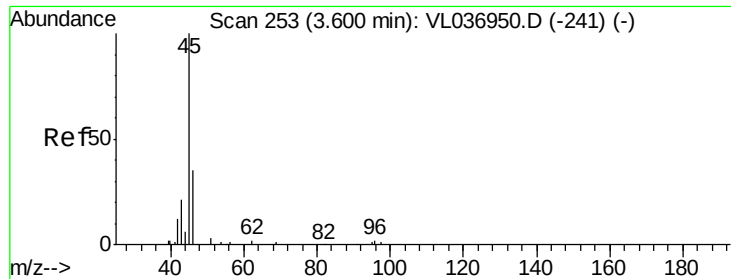
MMDadoda
 5/20/2021 5:54:27 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.394 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Tgt Ion:101 Resp: 1398706
 Ion Ratio Lower Upper
 101 100
 151 71.4 57.7 86.5





#13

Ethanol

Concen: 8.133 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion: 45 Resp: 94766

Ion Ratio Lower Upper

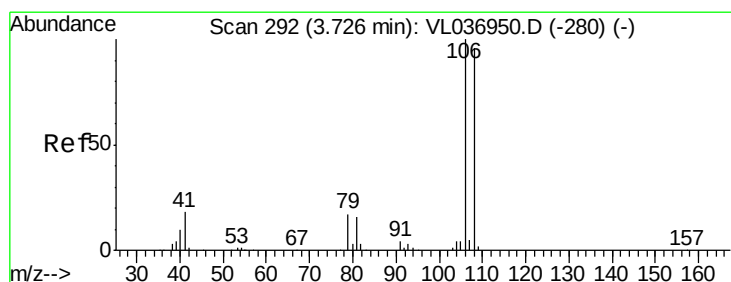
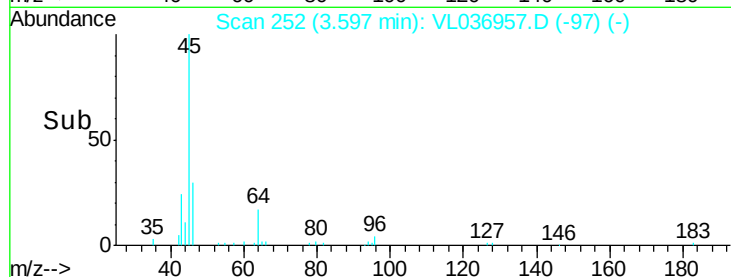
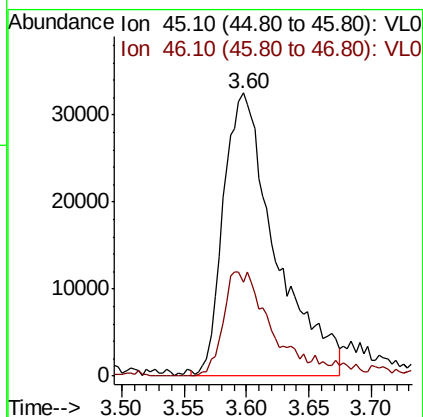
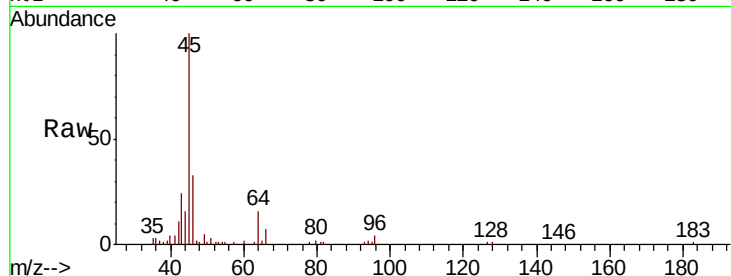
45 100

46 37.5 16.3 65.3

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#14

Bromoethene

Concen: 9.295 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

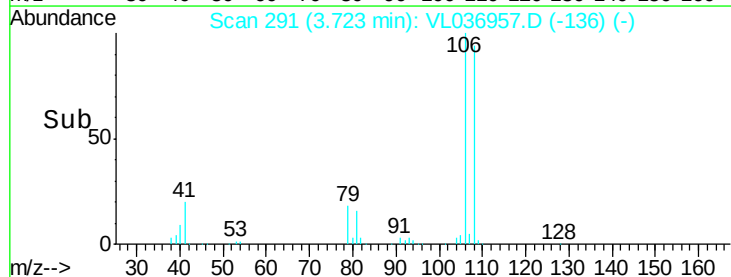
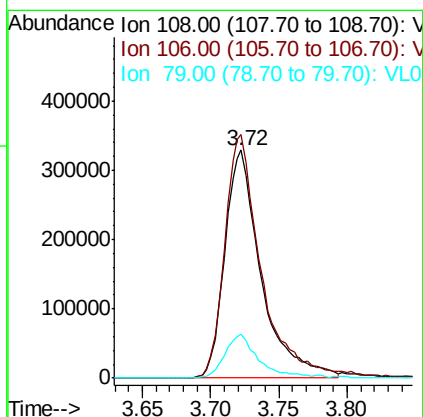
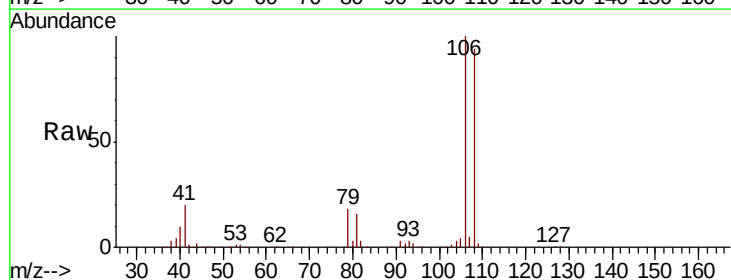
Tgt Ion: 108 Resp: 609591

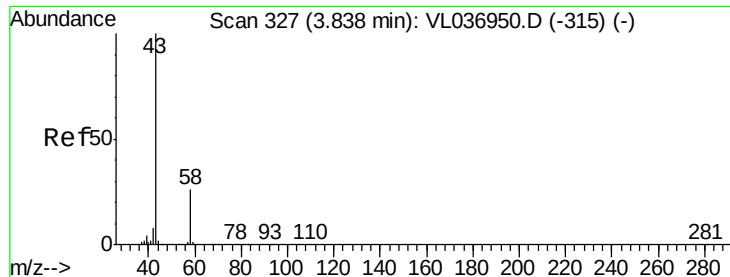
Ion Ratio Lower Upper

108 100

106 108.9 86.5 129.7

79 19.0 15.0 22.4





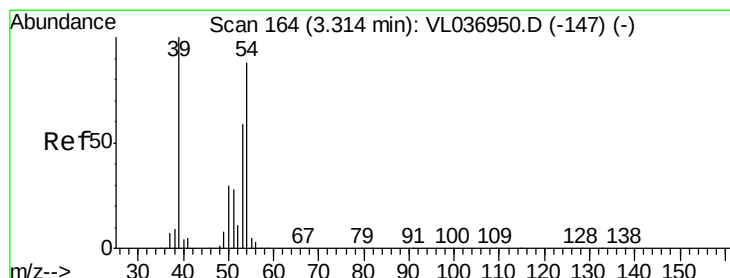
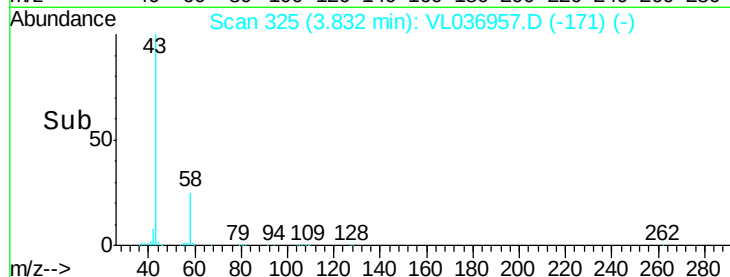
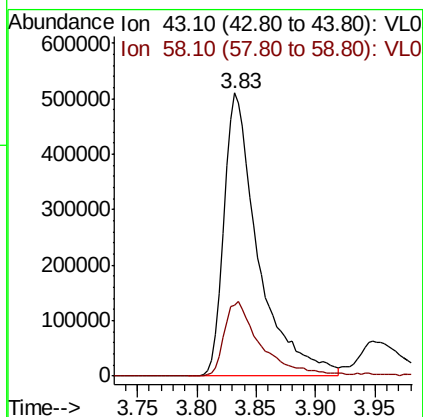
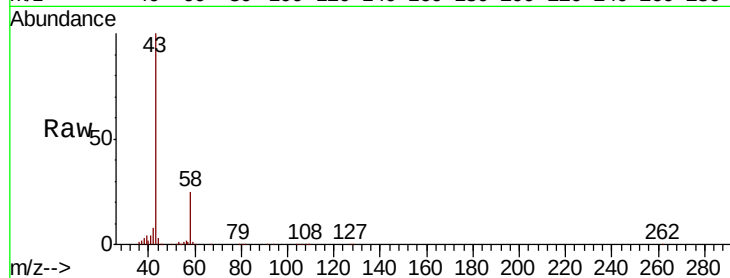
#15
Acetone
Concen: 7.473 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.01 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051821

Tot Ion: 43 Resp: 1019033
Ion Ratio Lower Upper
43 100
58 29.6 24.0 36.0

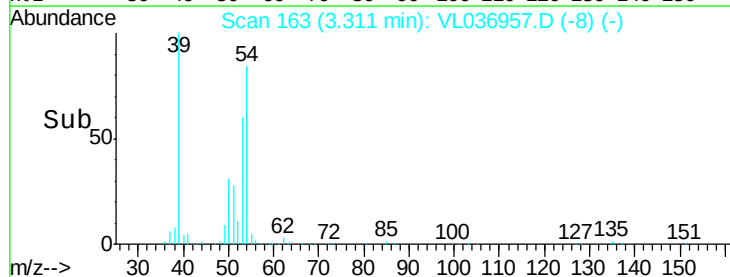
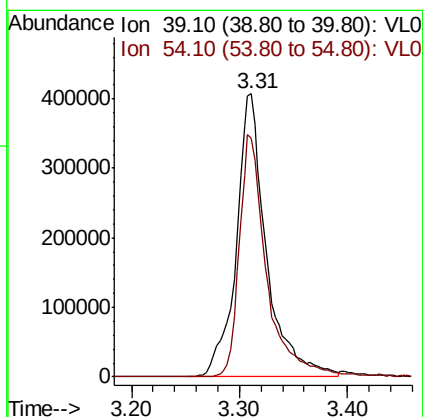
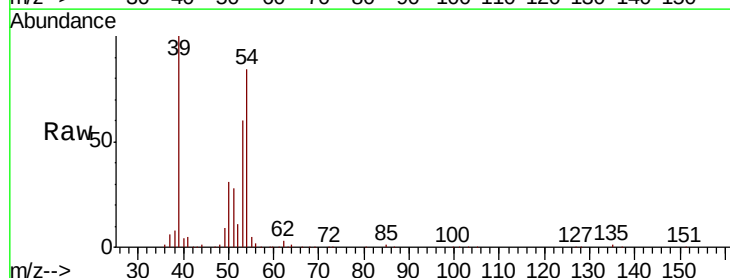
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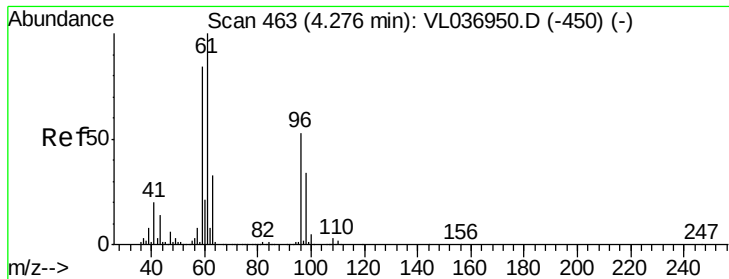
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#16
1,3-Butadiene
Concen: 9.363 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Tgt Ion: 39 Resp: 793199
Ion Ratio Lower Upper
39 100
54 78.8 63.2 94.8





#17

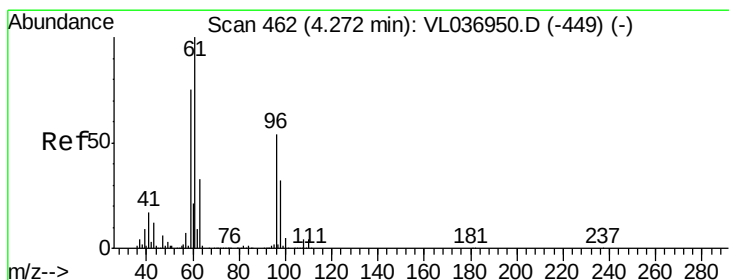
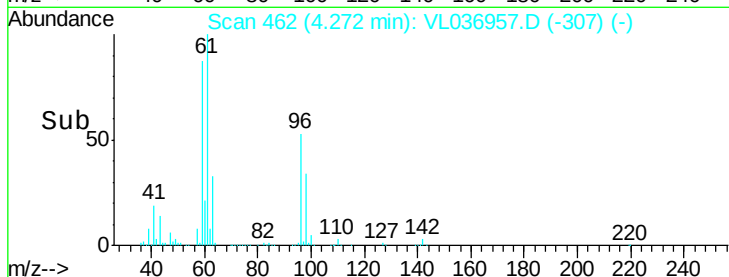
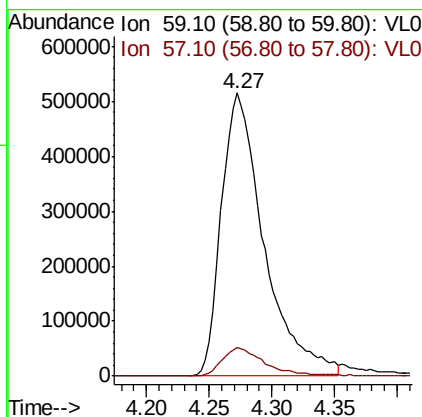
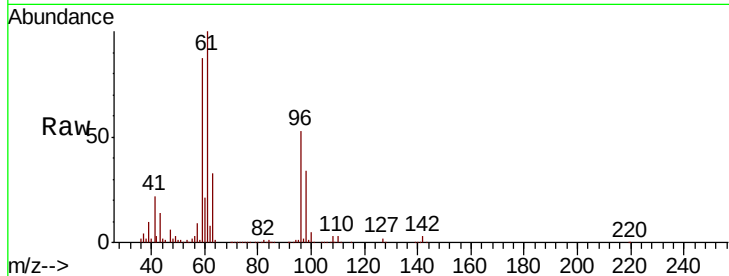
tert-Butyl alcohol
Concen: 9.768 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Instrument :
MSVOA_L
ClientSampled :
ICVVL051821

Tot Ion: 59 Resp: 1219999
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

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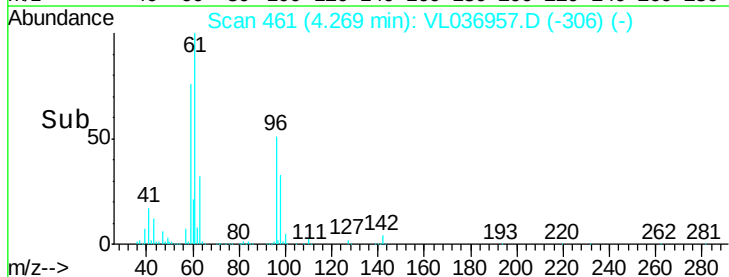
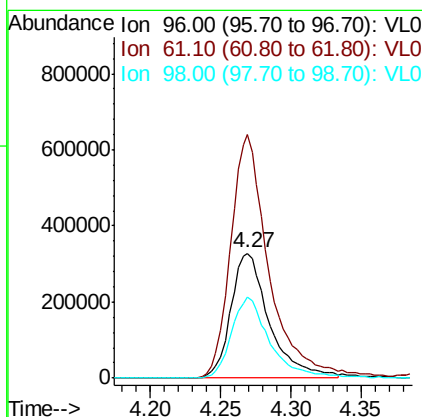
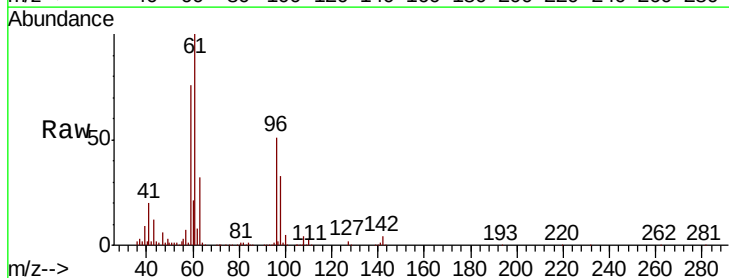
MMDadoda
5/20/2021 5:54:27 PM

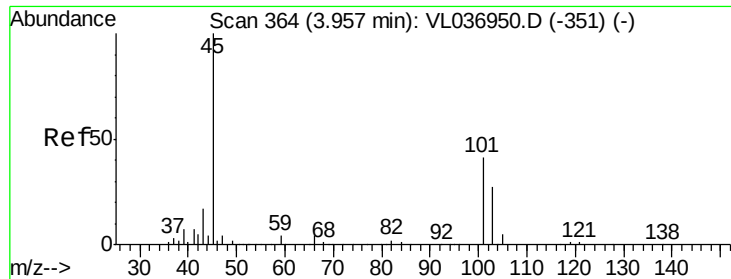


#18

1,1-Dichloroethene
Concen: 9.093 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Tgt Ion: 96 Resp: 626066
Ion Ratio Lower Upper
96 100
61 195.0 148.2 222.4
98 65.2 47.8 71.6





#19

Isopropyl Alcohol

Concen: 8.984 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion: 45 Resp: 658525

Ion Ratio Lower Upper

45 100

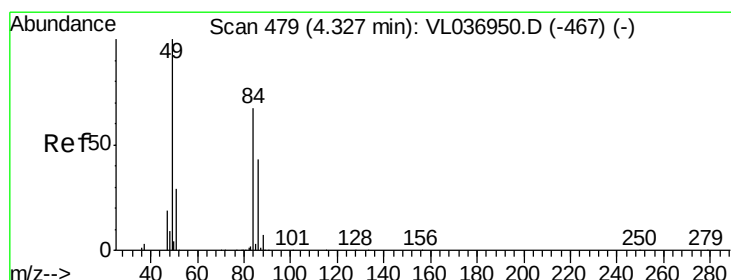
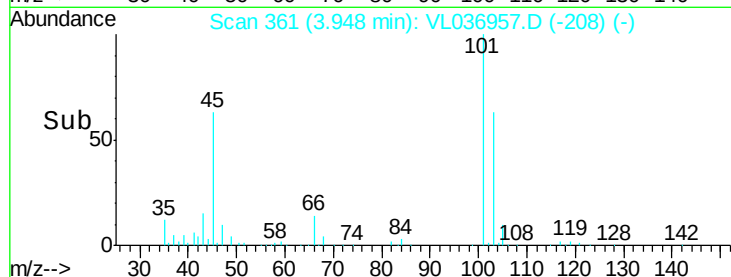
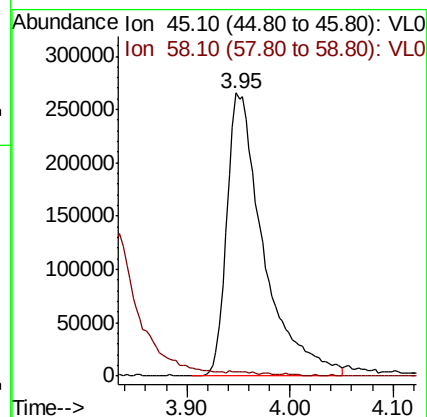
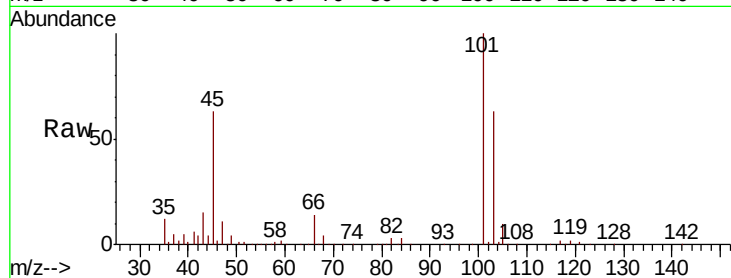
58 1.3 37.2 55.8#

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#20

Methylene Chloride

Concen: 7.363 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Tgt Ion: 84 Resp: 538213

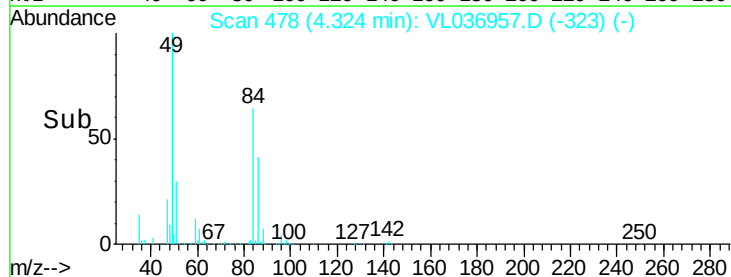
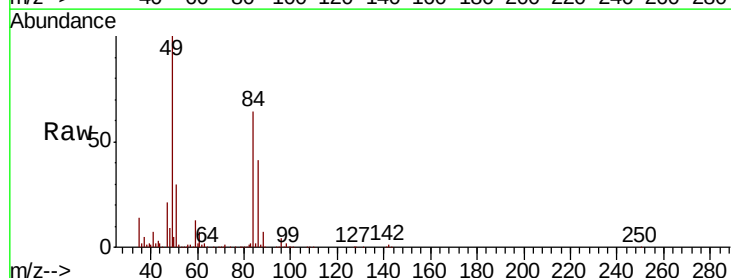
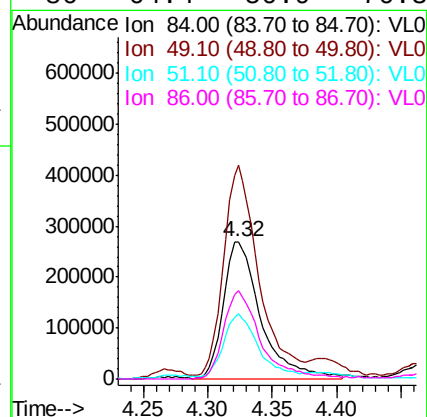
Ion Ratio Lower Upper

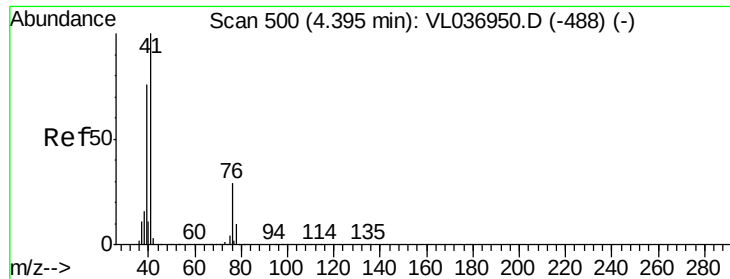
84 100

49 153.5 119.8 179.6

51 45.5 35.1 52.7

86 64.4 50.9 76.3





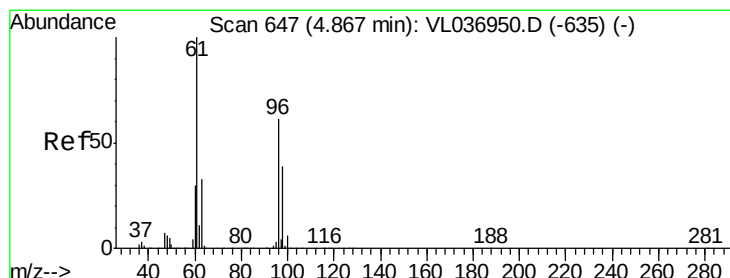
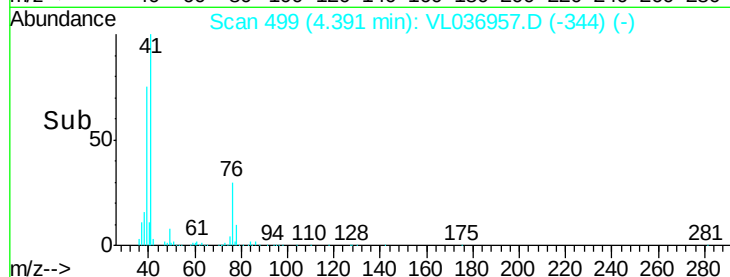
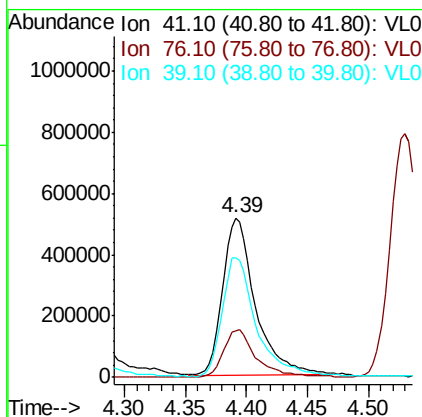
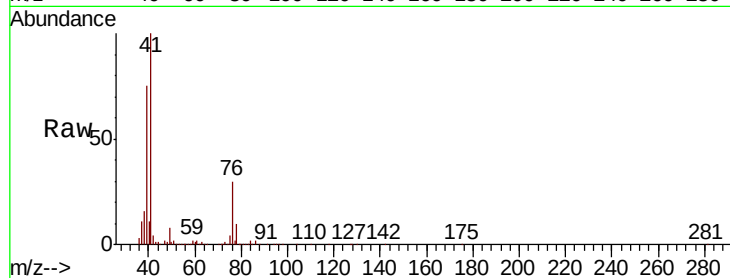
#21
Allvl Chloride
Concen: 9.439 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051821

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.4	24.9	37.3
39	79.0	63.7	95.5

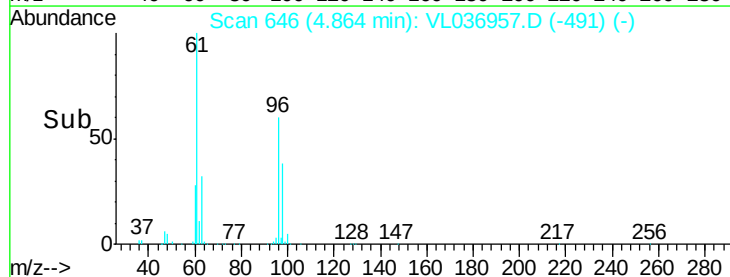
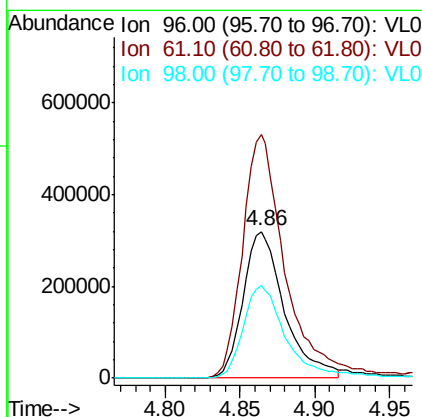
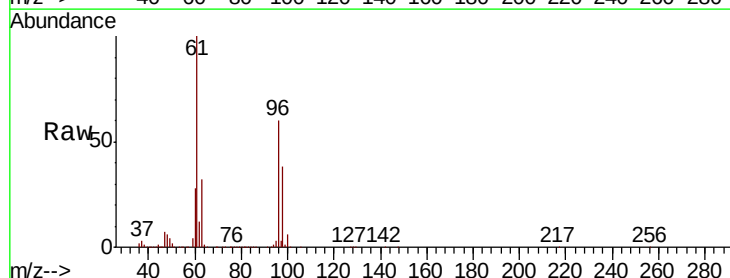
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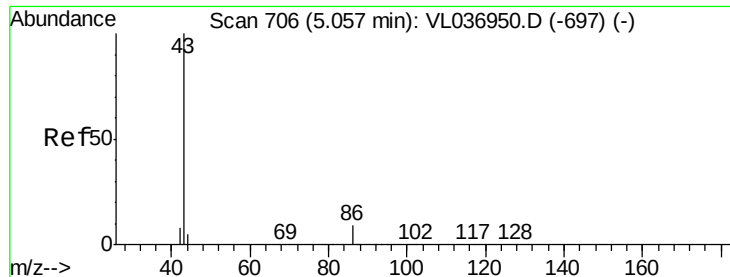
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#22
trans-1,2-Dichloroethene
Concen: 9.287 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.1	130.6	196.0
98	63.0	50.8	76.2





#23

Vinyl Acetate

Concen: 9.470 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion: 43 Resp: 2049584

Ion Ratio Lower Upper

43 100

86 7.8 5.8 8.8

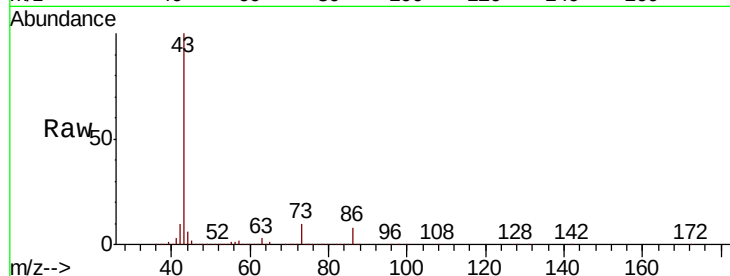
42 9.9 7.4 11.2

44 4.6 3.3 4.9

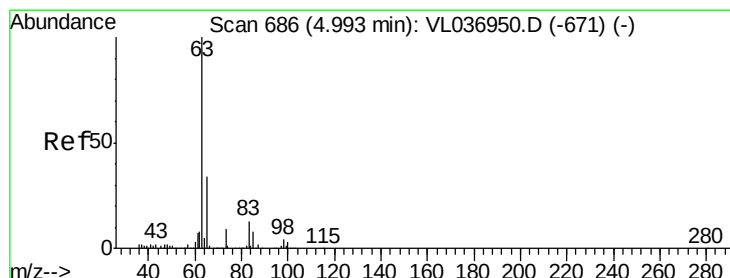
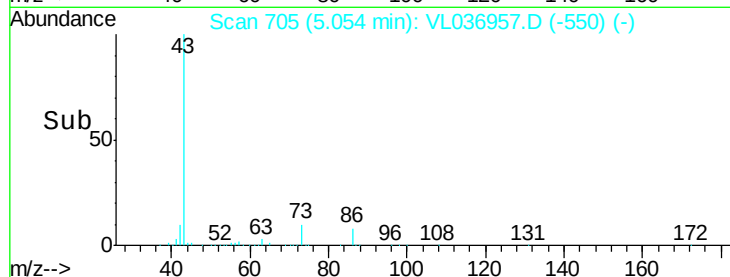
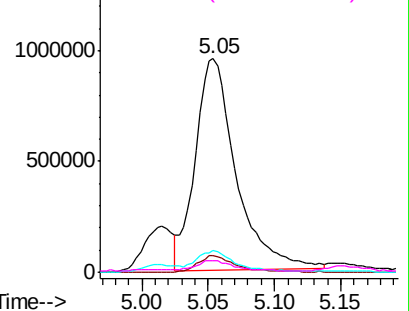
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Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000 Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.032 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

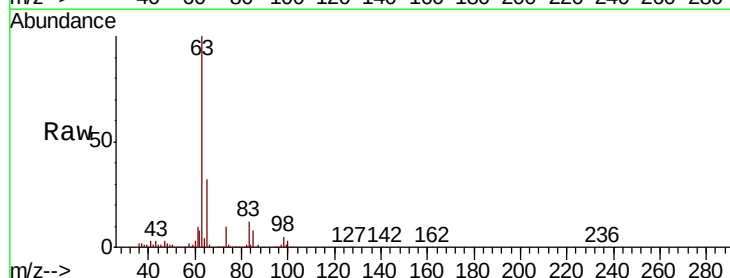
Tgt Ion: 63 Resp: 1407005

Ion Ratio Lower Upper

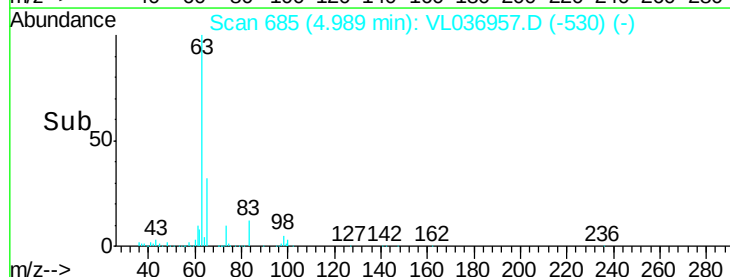
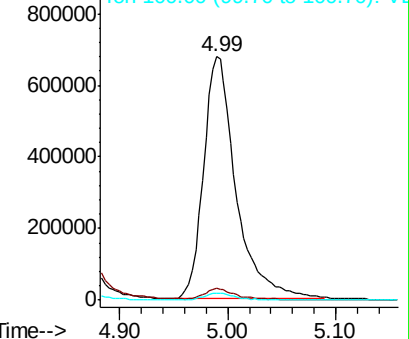
63 100

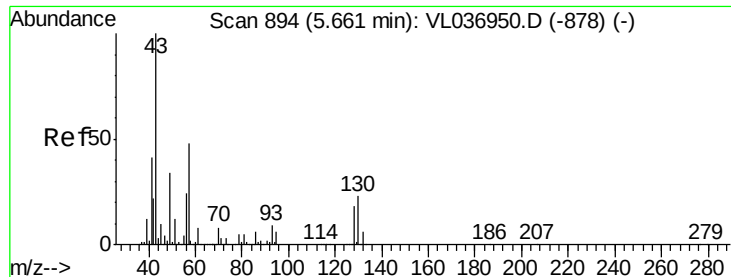
98 4.5 2.3 6.9

100 2.9 1.4 4.0



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





#25

Ethyl Acetate

Concen: 8.875 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion: 43 Resp: 2907924

Ion Ratio Lower Upper

43 100

45 9.8 7.8 11.8

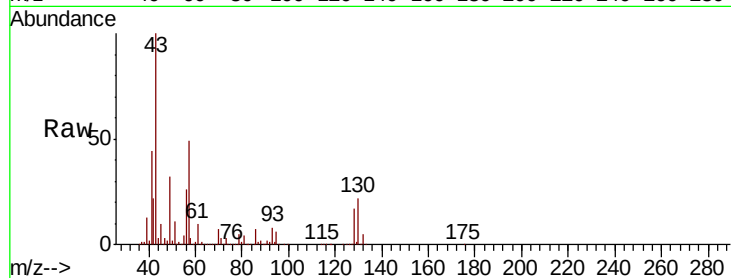
61 9.8 7.8 11.8

70 7.1 5.6 8.4

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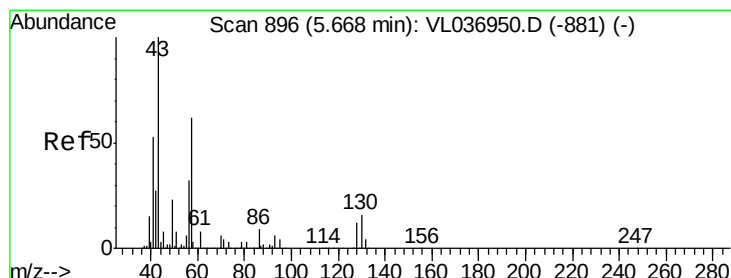
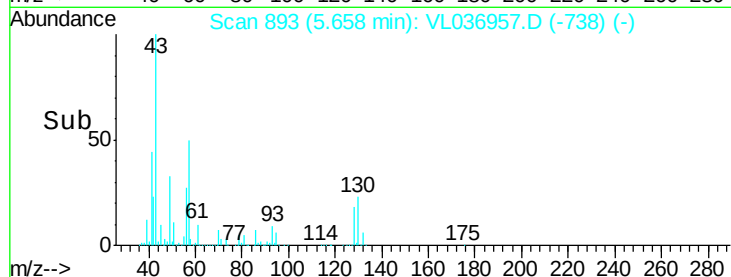
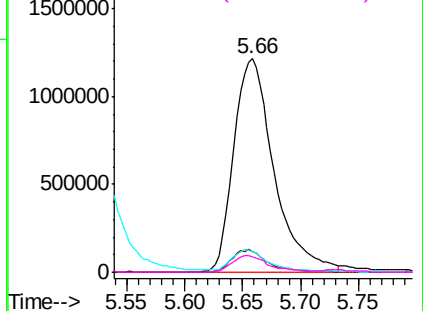


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.653 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Tgt Ion: 57 Resp: 1448366

Ion Ratio Lower Upper

57 100

41 88.2 70.5 105.7

43 207.0 165.8 248.8

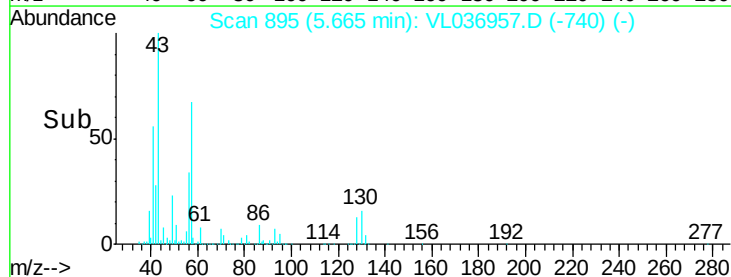
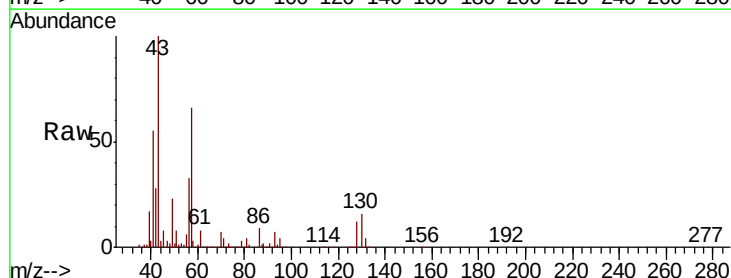
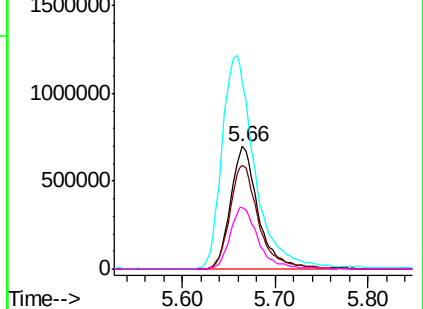
56 52.0 42.2 63.4

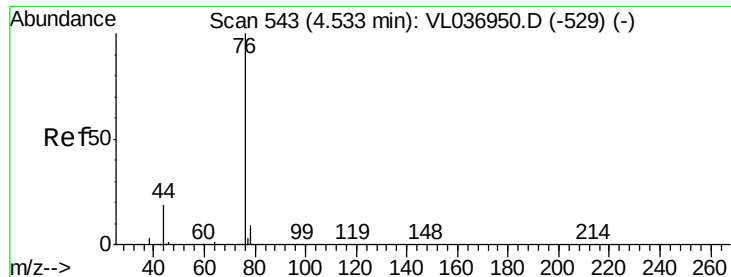
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.489 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion: 76 Resp: 1600866

Ion Ratio Lower Upper

76 100

44 18.9 15.5 23.3

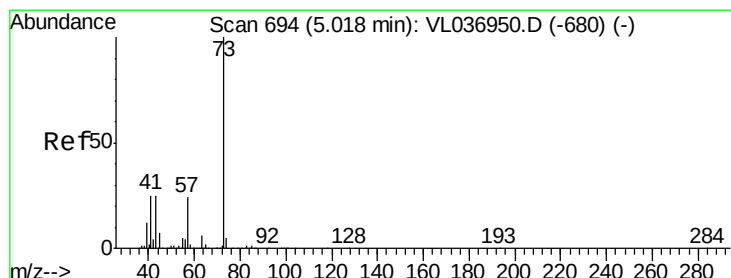
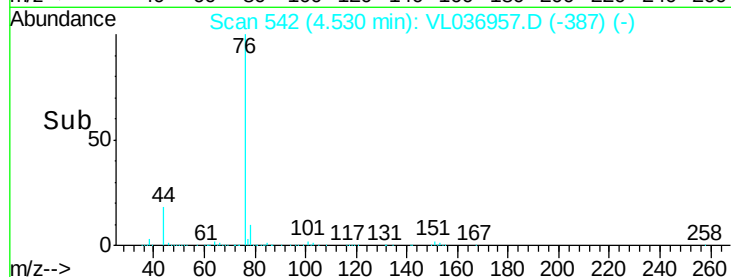
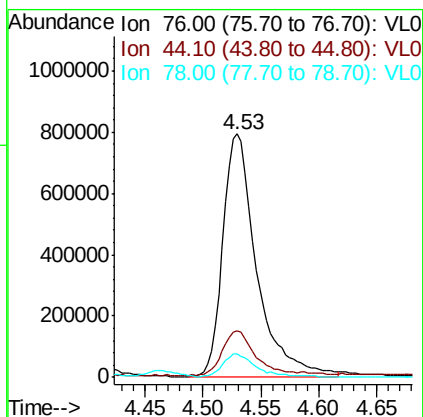
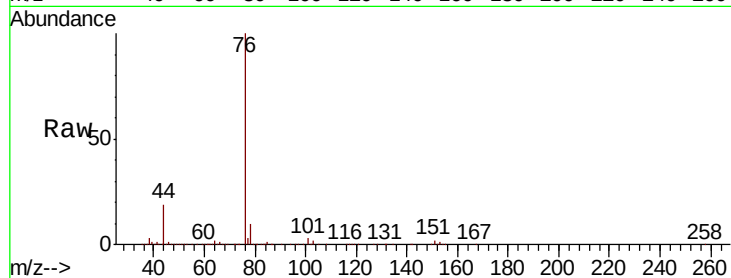
78 9.7 7.8 11.6

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#28

Methyl tert-Butyl Ether

Concen: 8.914 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL036957.D

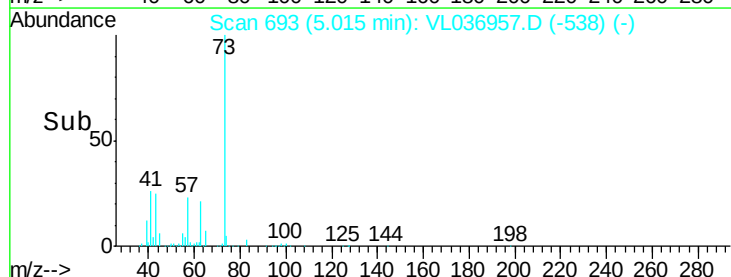
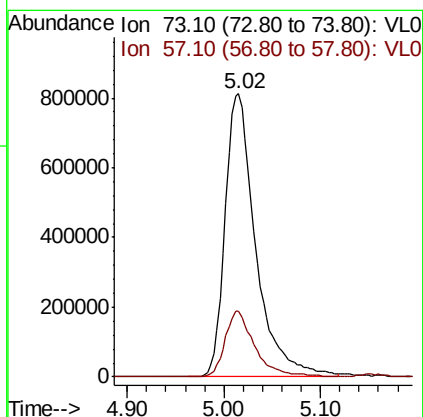
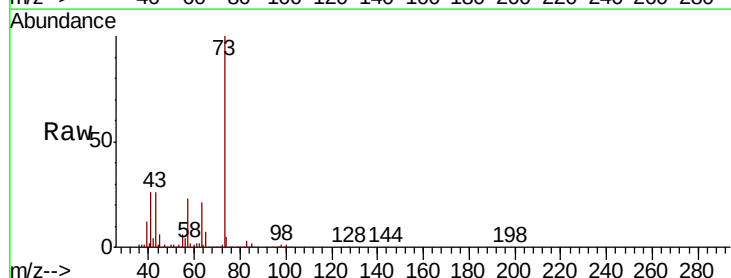
Acq: 18 May 2021 7:03

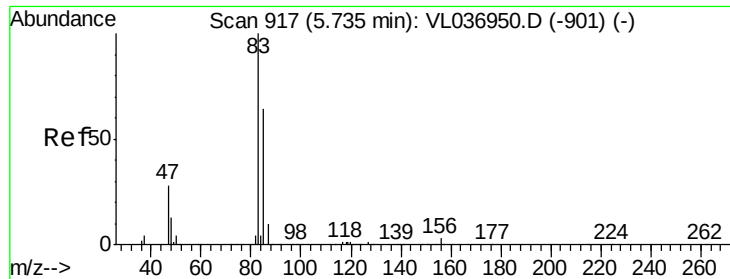
Tgt Ion: 73 Resp: 1788596

Ion Ratio Lower Upper

73 100

57 22.7 18.3 27.5





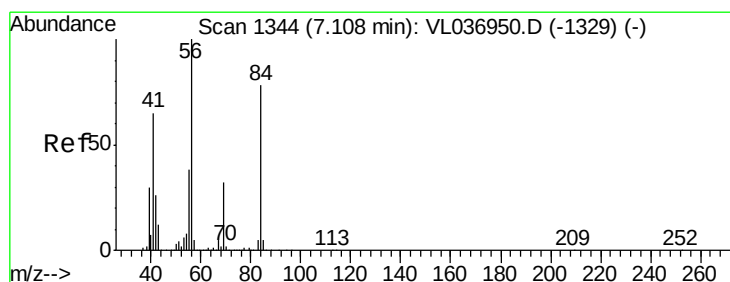
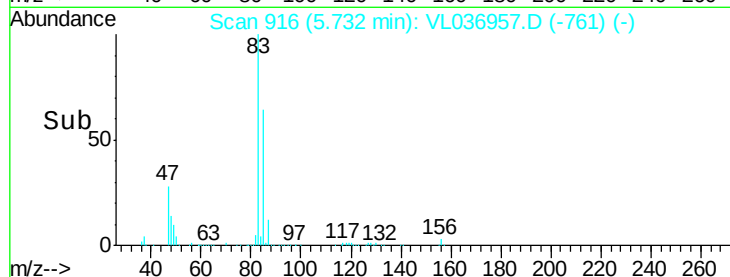
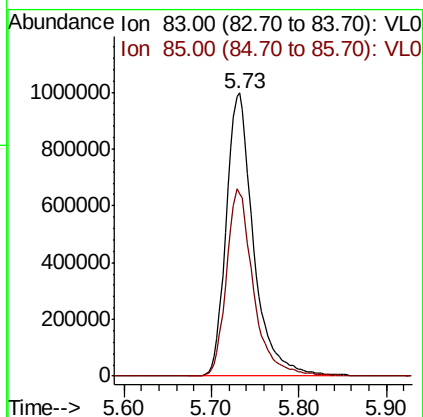
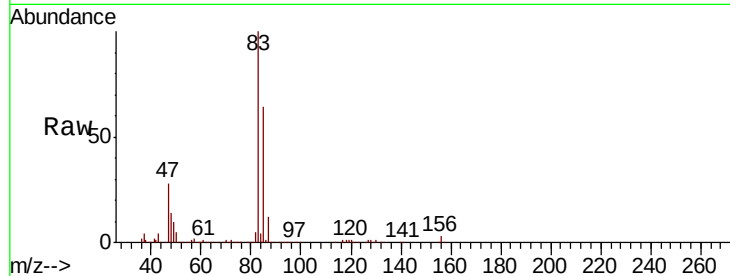
#29
Chloroform
Concen: 9.148 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051821

Tot Ion: 83 Resp: 2163286
Ion Ratio Lower Upper
83 100
85 64.3 51.1 76.7

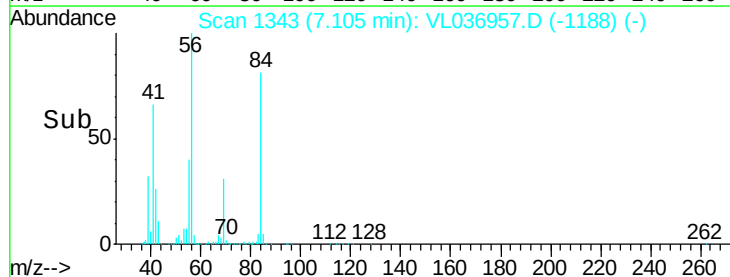
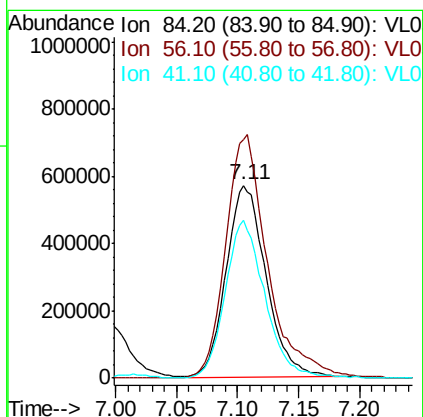
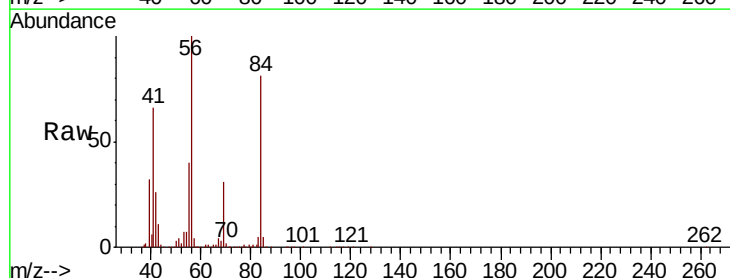
Manual Integrations
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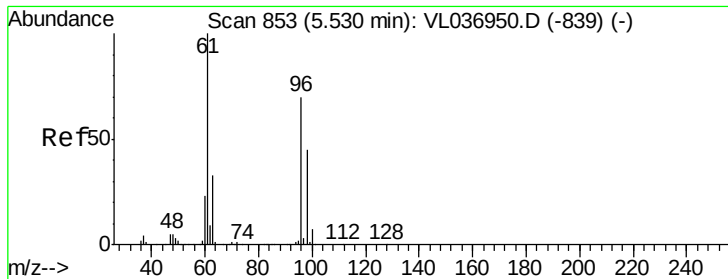
MMDadoda
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#30
Cyclohexane
Concen: 9.117 ppbv
RT: 7.11 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Tgt Ion: 84 Resp: 1296786
Ion Ratio Lower Upper
84 100
56 134.6 107.9 161.9
41 81.6 65.5 98.3





#31

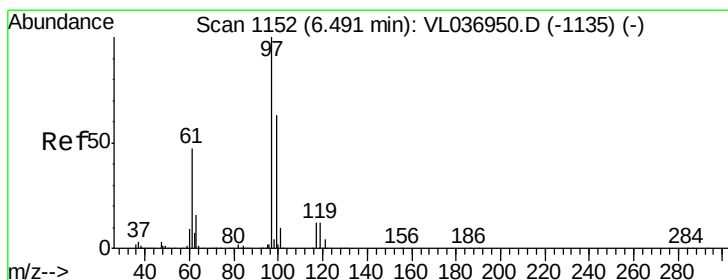
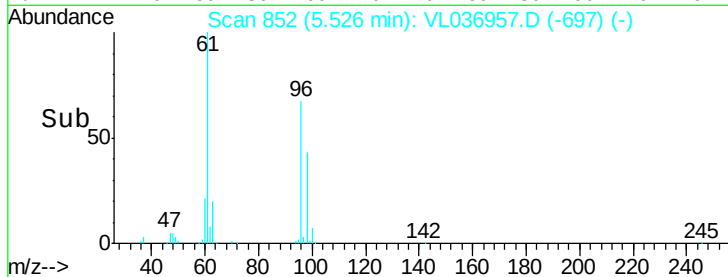
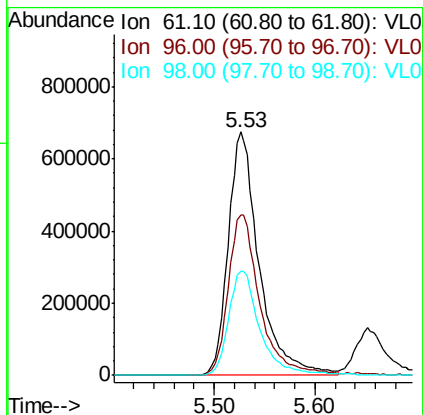
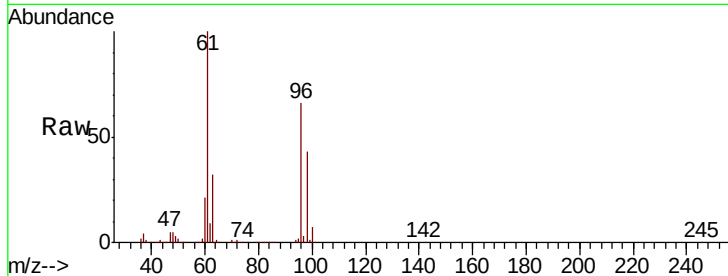
cis-1,2-Dichloroethene
Concen: 9.568 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051821

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.0	55.9	83.9
98	42.7	35.6	53.4

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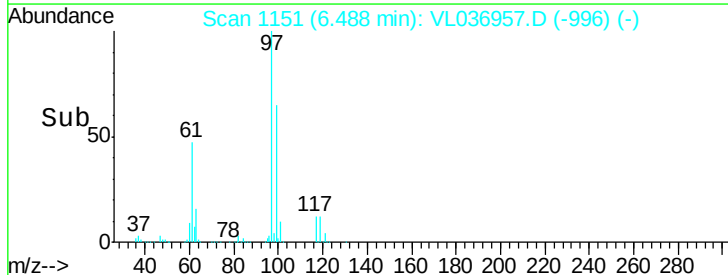
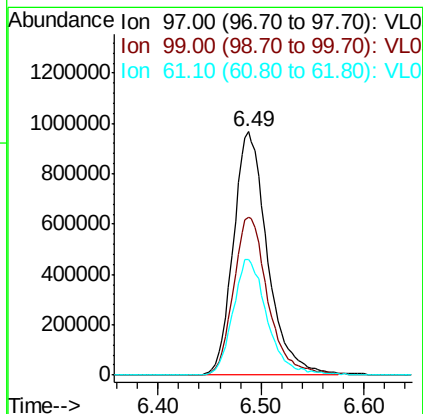
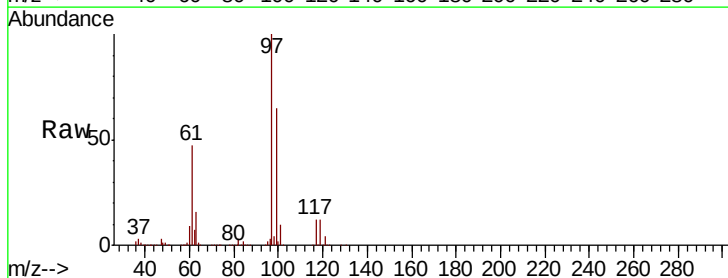
MMDadoda
5/20/2021 5:54:27 PM

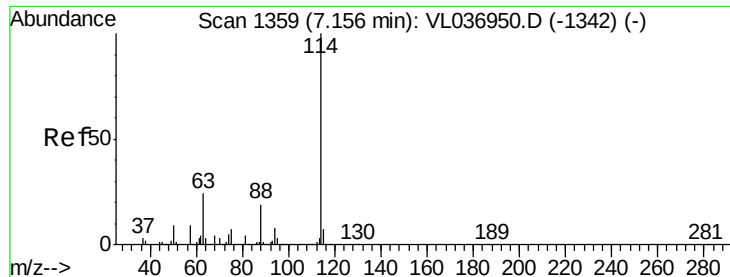


#32

1,1,1-Trichloroethane
Concen: 8.785 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.9	77.9
61	48.1	37.6	56.4





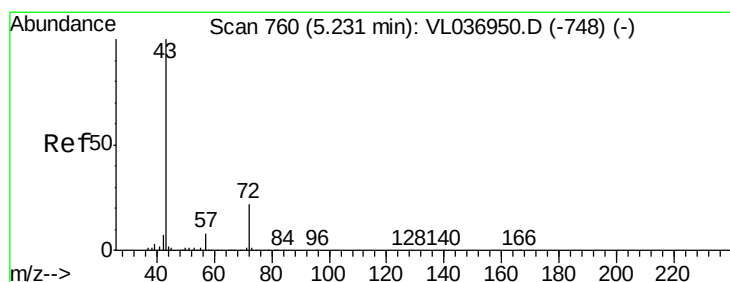
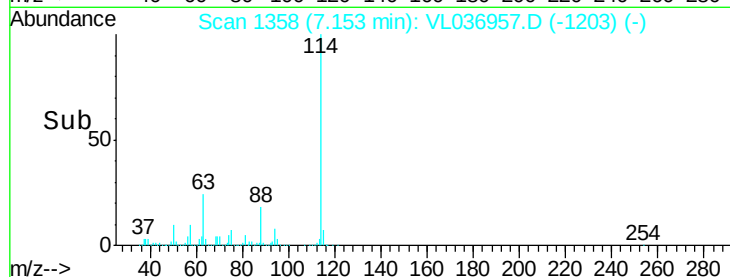
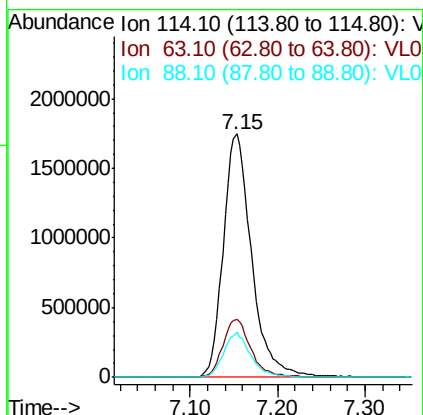
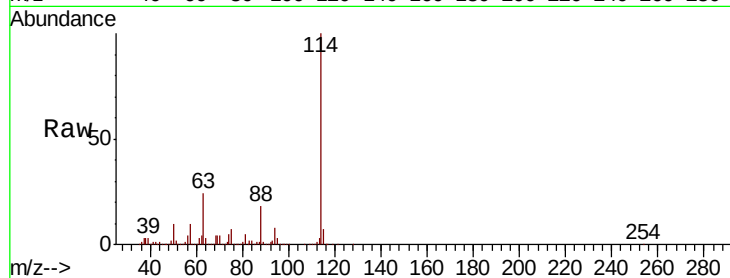
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051821

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	17.7	14.6	21.8

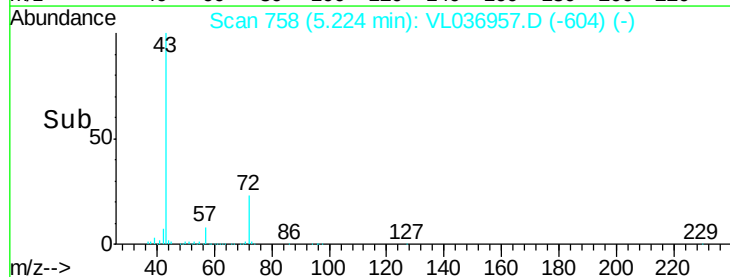
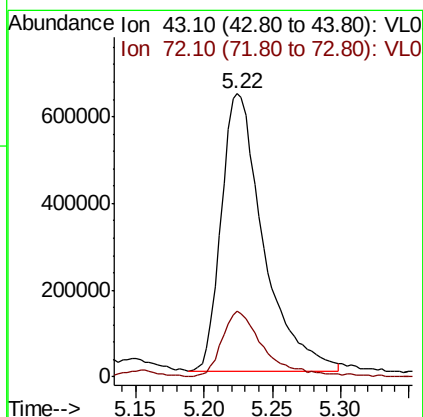
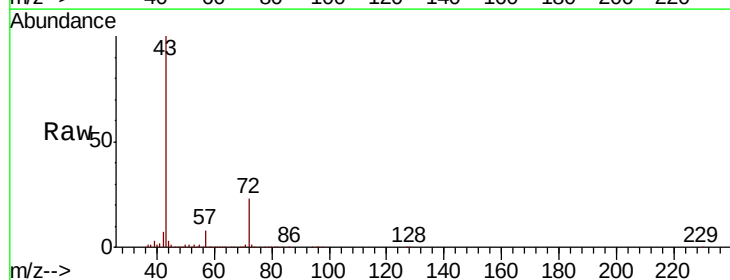
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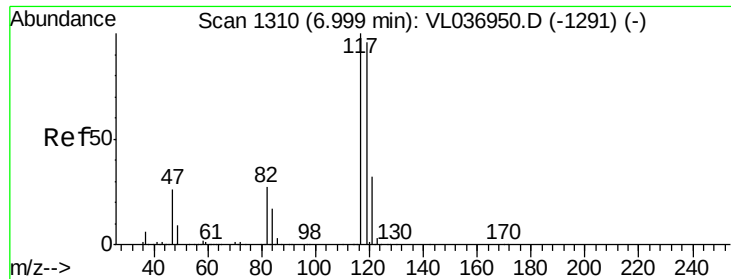
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#34
 2-Butanone
 Concen: 9.616 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.0	28.4





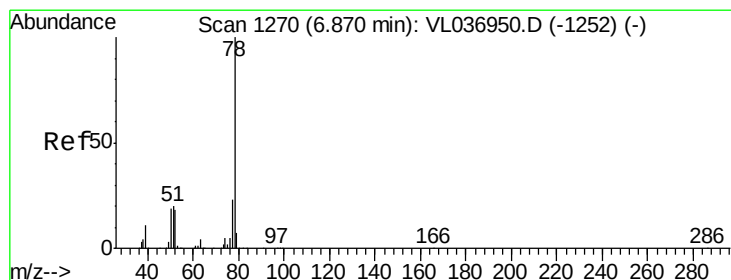
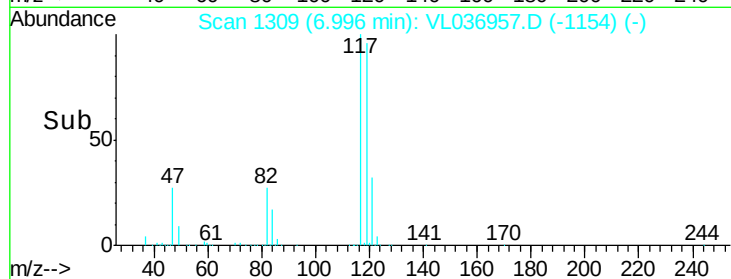
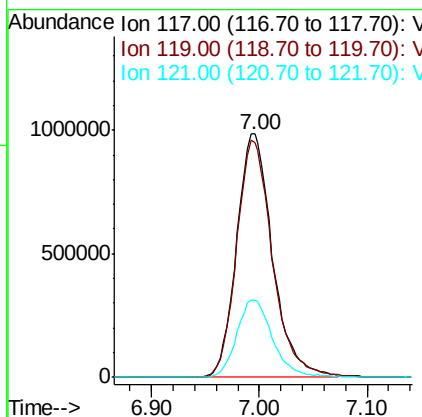
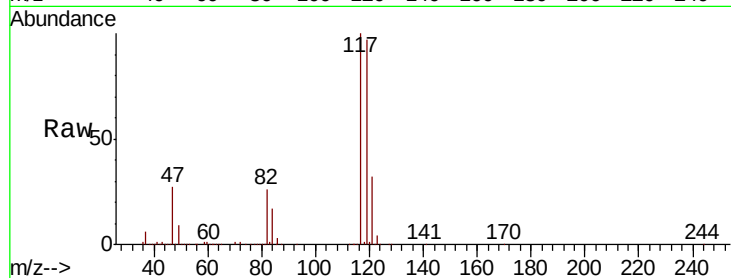
#35
Carbon Tetrachloride
Concen: 8.751 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051821

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.6	114.8
121	31.6	25.8	38.6

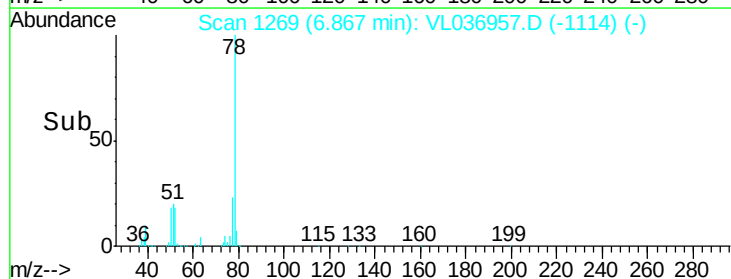
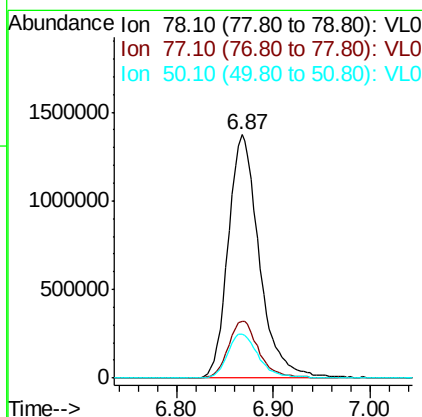
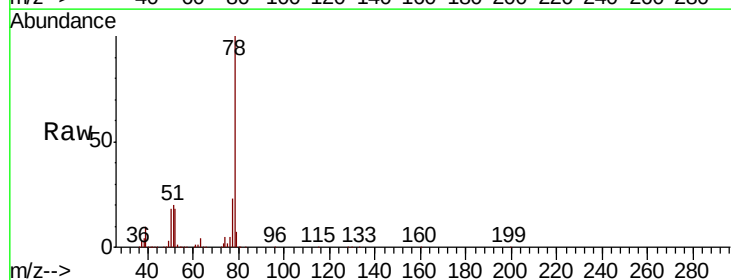
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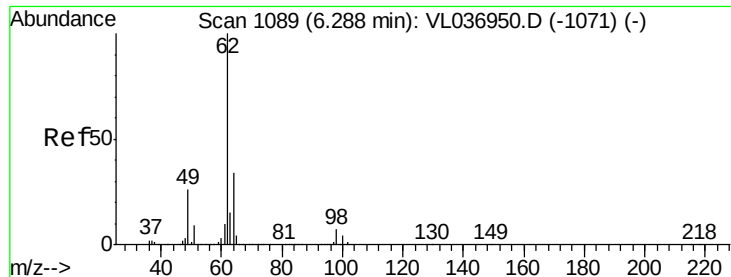
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#36
Benzene
Concen: 9.065 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	28.0
50	17.9	15.0	22.4





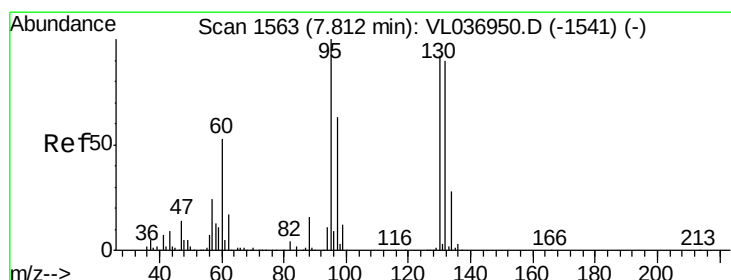
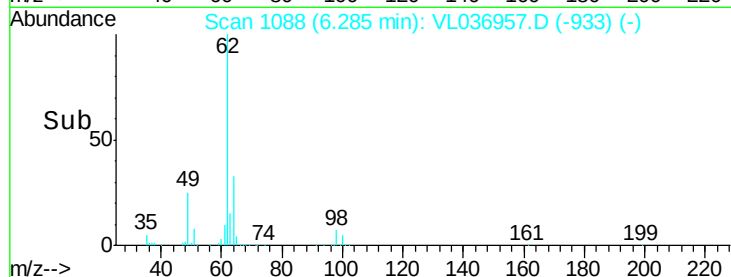
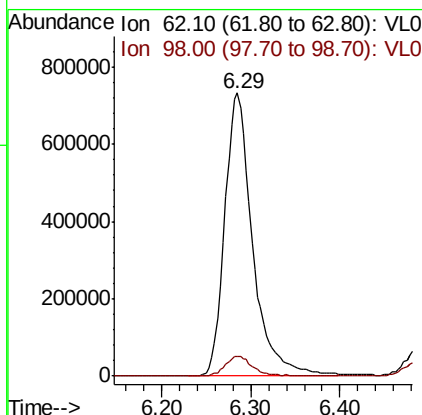
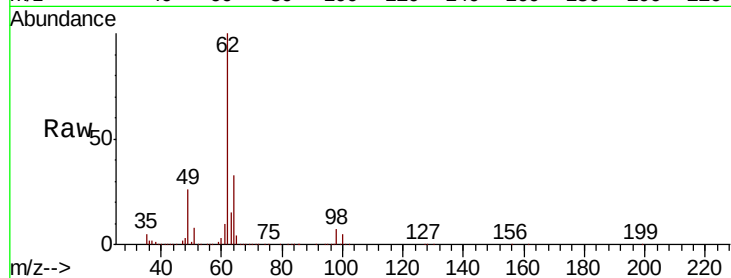
#37
1,2-Dichloroethane
Concen: 9.471 ppbv
RT: 6.29 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051821

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.2	5.5	8.3

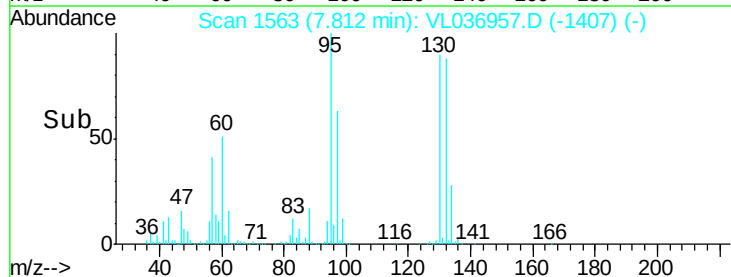
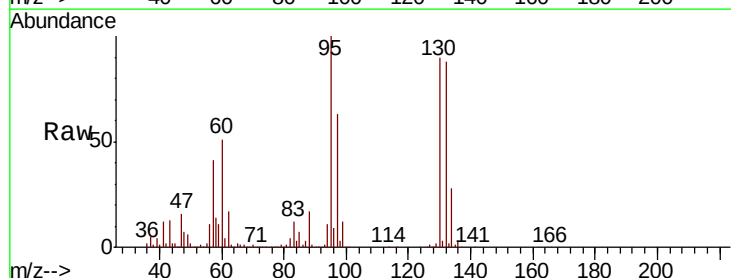
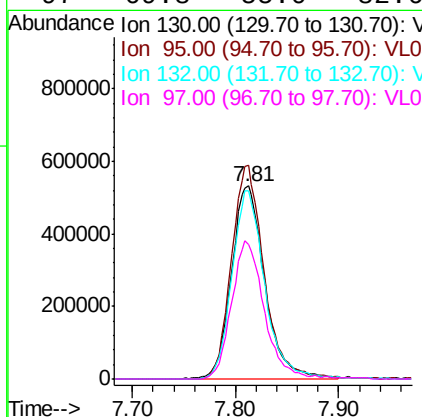
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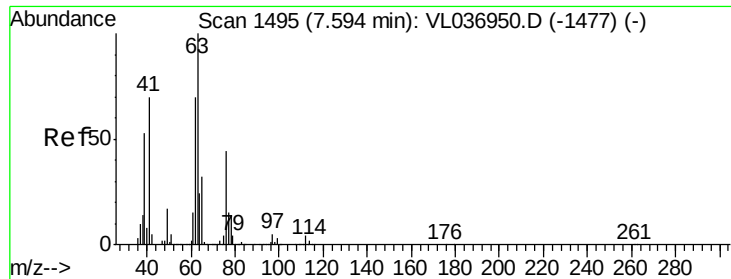
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#38
Trichloroethene
Concen: 8.218 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.0	86.9	130.3
132	98.0	78.4	117.6
97	69.8	55.0	82.6





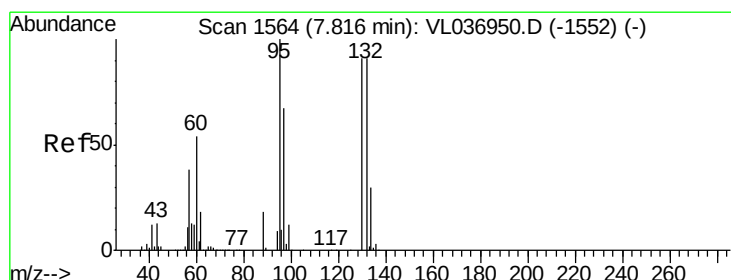
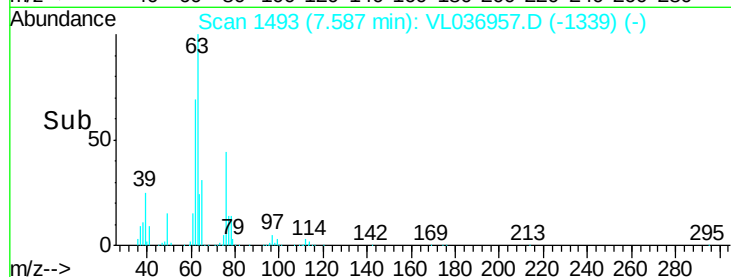
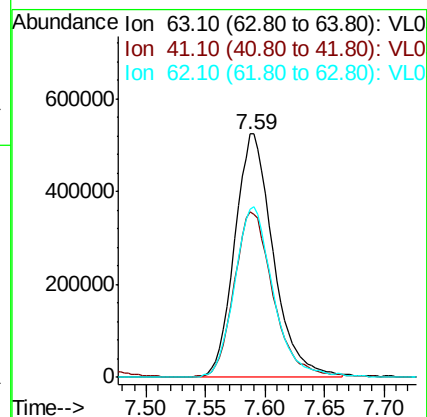
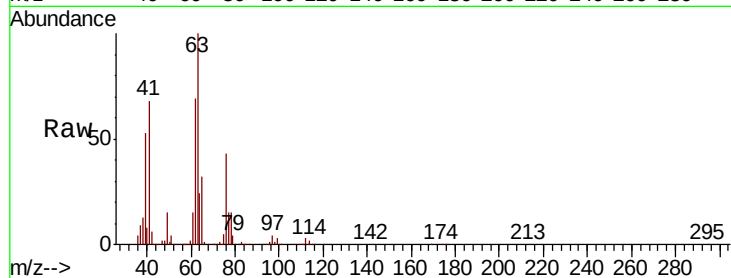
#39
 1,2-Dichloropropane
 Concen: 9.043 ppbv
 RT: 7.59 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051821

Tot Ion	Ratio	Lower	Upper
63	100		
41	67.6	55.7	83.5
62	68.7	56.2	84.4

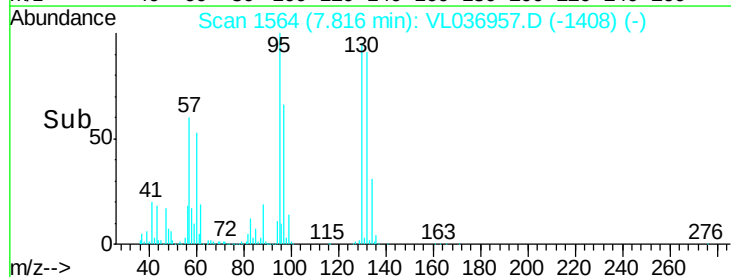
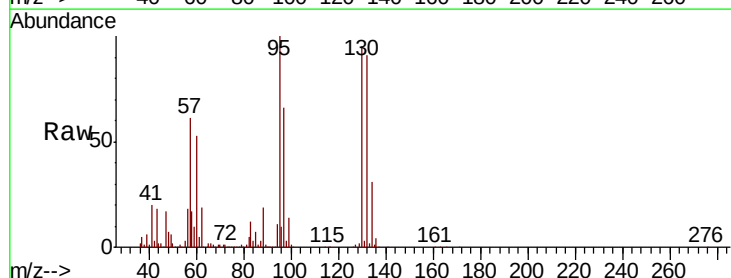
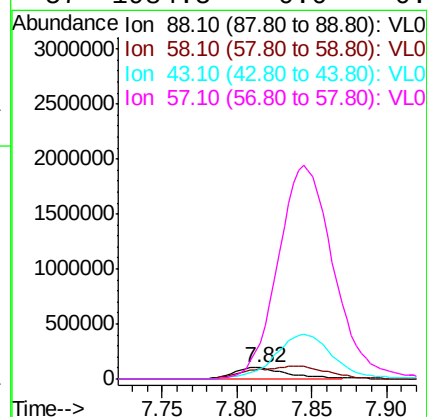
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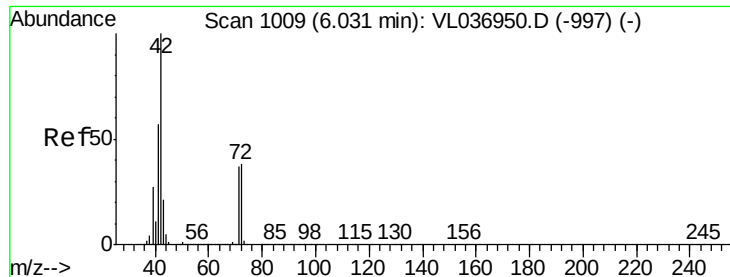
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#40
 1,4-Dioxane
 Concen: 8.274 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	169.1	0.0	0.0#
43	432.9	0.0	0.0#
57	1984.5	0.0	0.0#





#41

Tetrahydrofuran

Concen: 9.233 ppbv

RT: 6.03 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

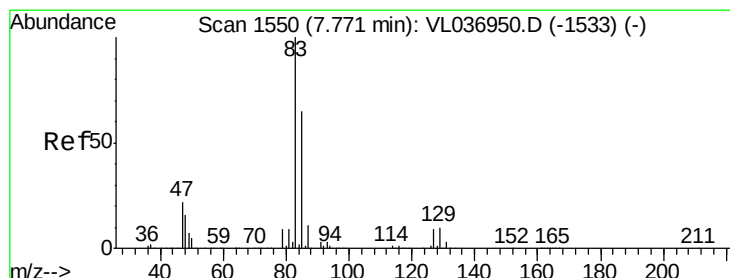
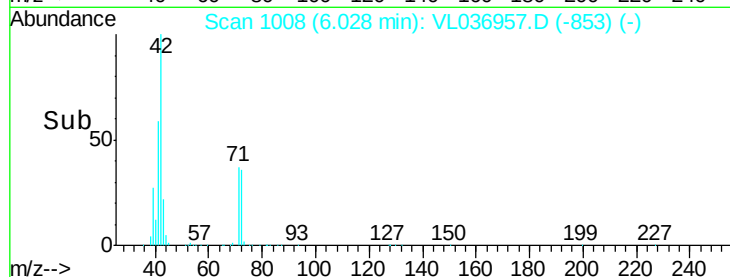
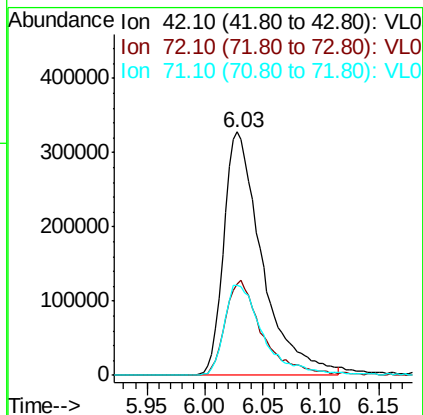
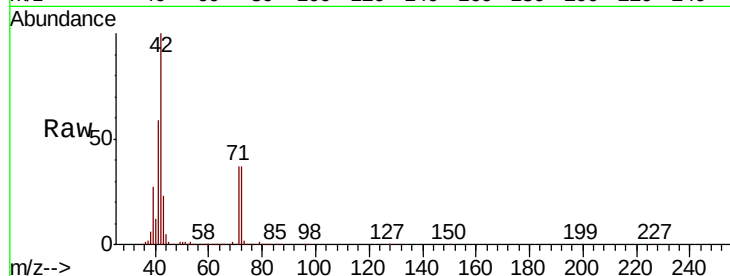
ClientSampleId :

ICVVL051821

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.4	47.2
71	38.2	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.284 ppbv

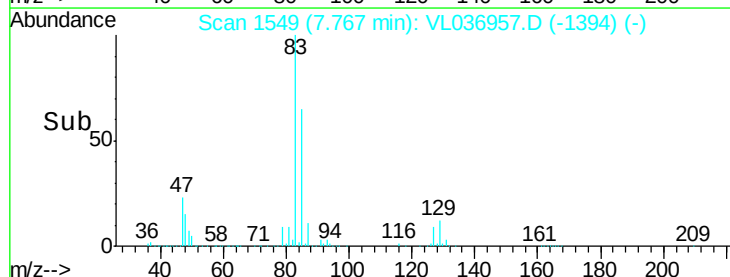
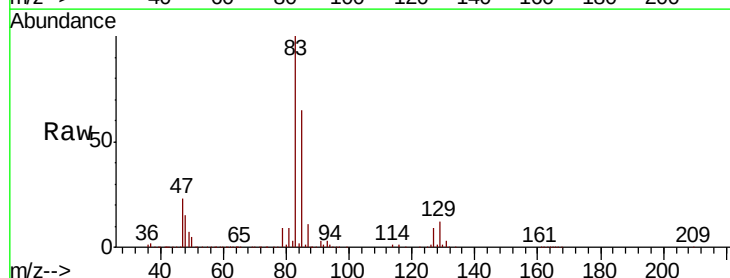
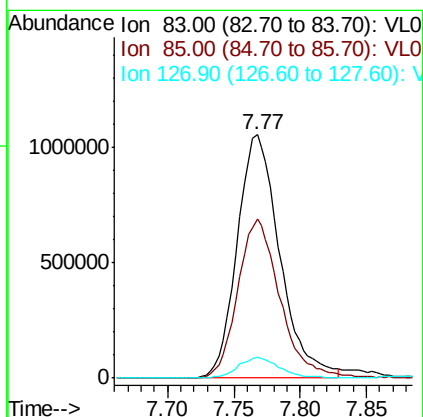
RT: 7.77 min Scan# 1549

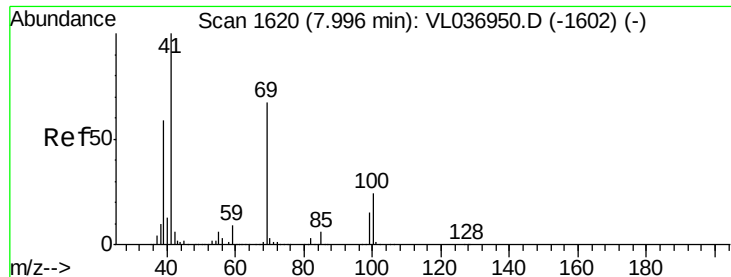
Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.7	77.5
127	8.7	6.9	10.3





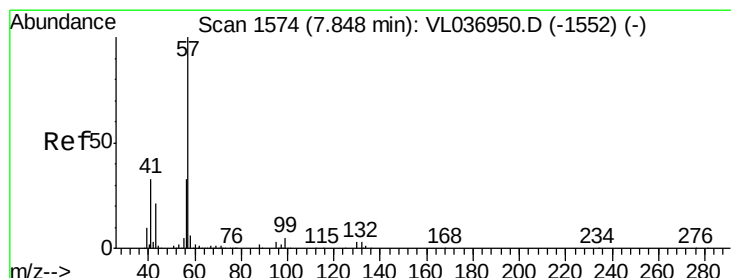
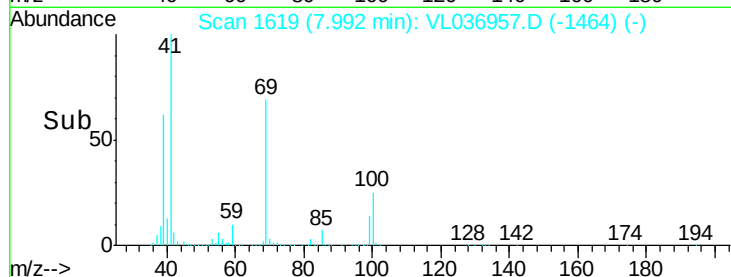
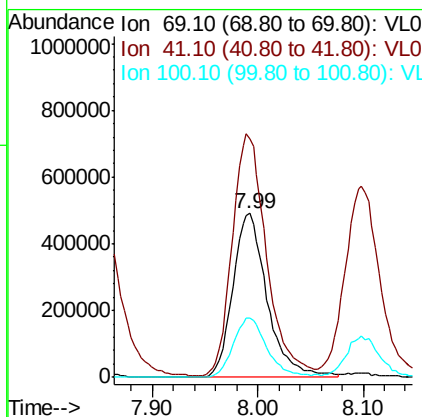
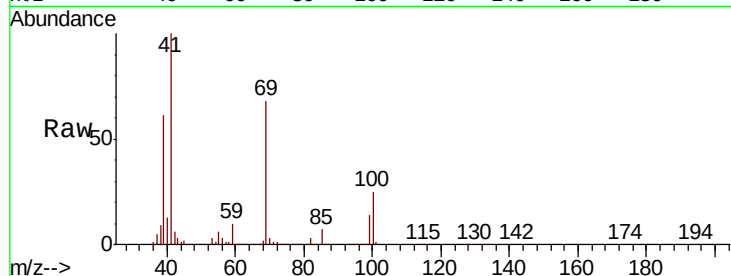
#43
Methvl Methacrylate
Concen: 9.518 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051821

Tot Ion: 69 Resp: 1109463
Ion Ratio Lower Upper
69 100
41 148.0 118.6 178.0
100 35.7 28.2 42.4

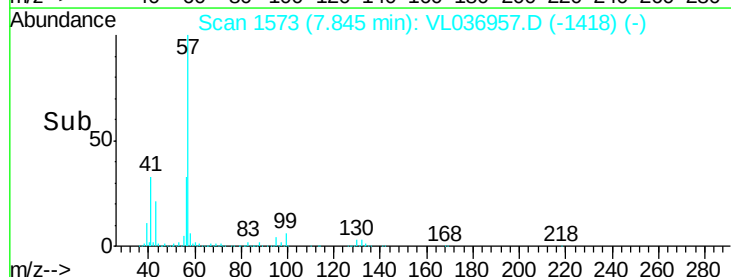
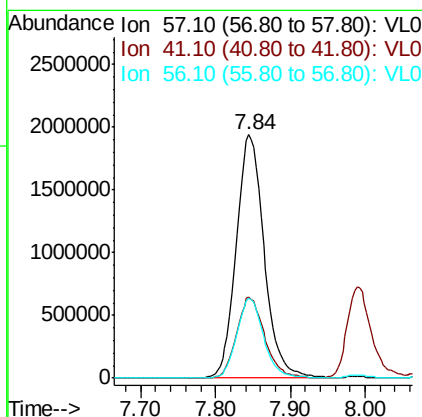
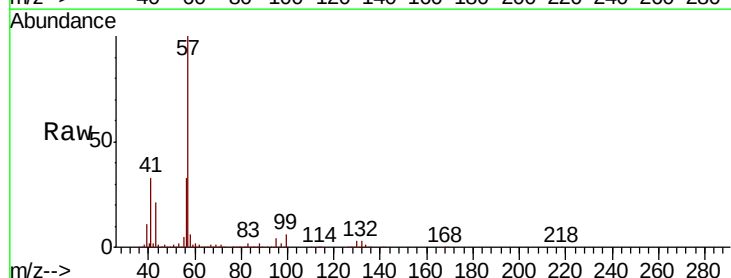
Manual Integrations
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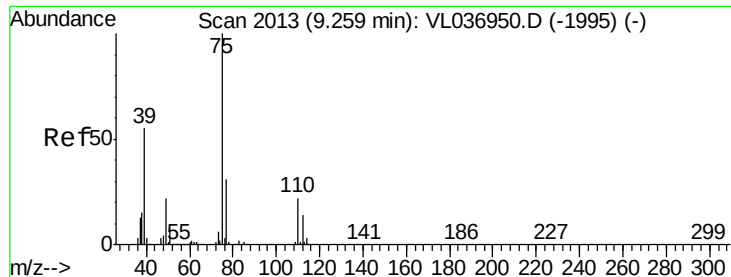
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.703 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Tgt Ion: 57 Resp: 5049638
Ion Ratio Lower Upper
57 100
41 33.3 27.0 40.4
56 31.6 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 10.366 ppbv

RT: 9.25 min Scan# 2011

Delta R.T. -0.01 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion: 75 Resp: 923115

Ion Ratio Lower Upper

75 100

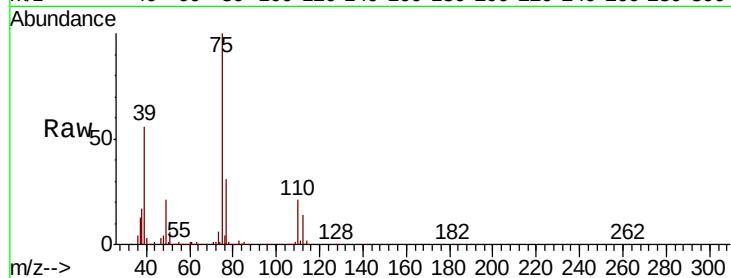
77 31.1 24.4 36.6

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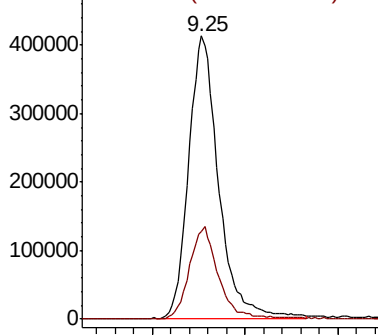
MMDadoda

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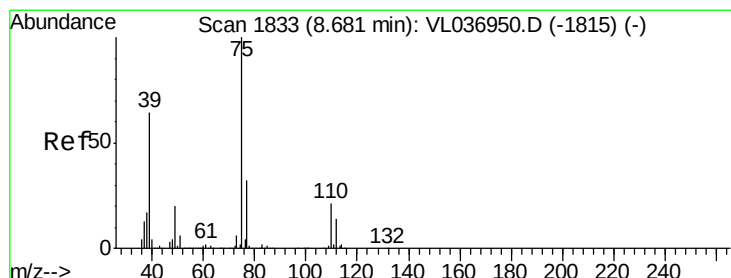
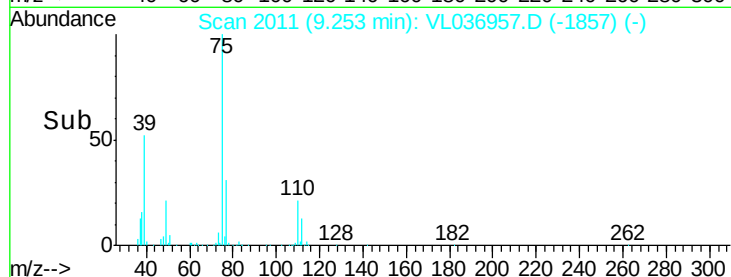


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.840 ppbv

RT: 8.68 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

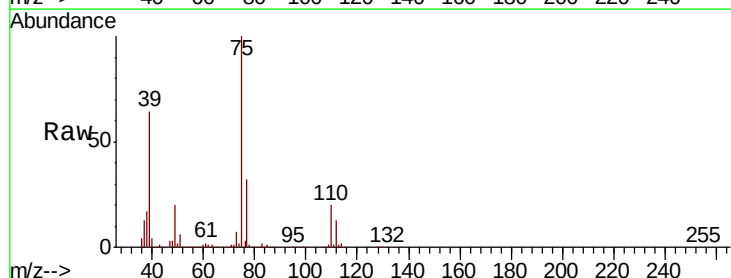
Tgt Ion: 75 Resp: 1178696

Ion Ratio Lower Upper

75 100

39 63.8 51.5 77.3

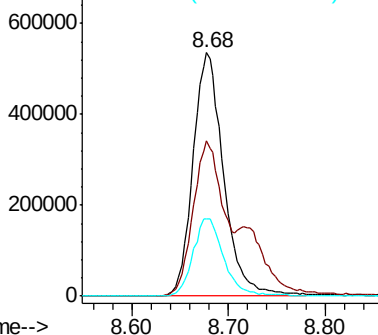
77 31.6 25.9 38.9



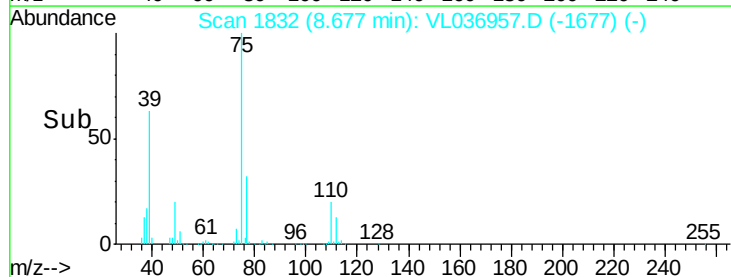
Abundance Ion 75.00 (74.70 to 75.70): VL0

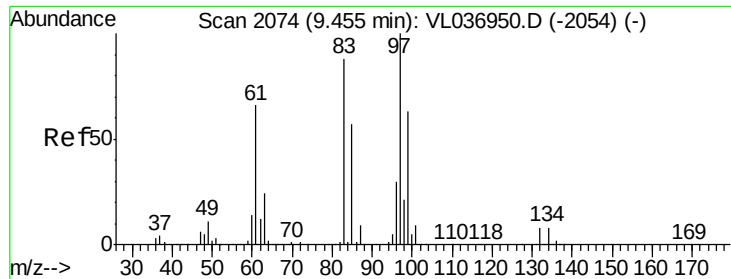
Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



Time-->





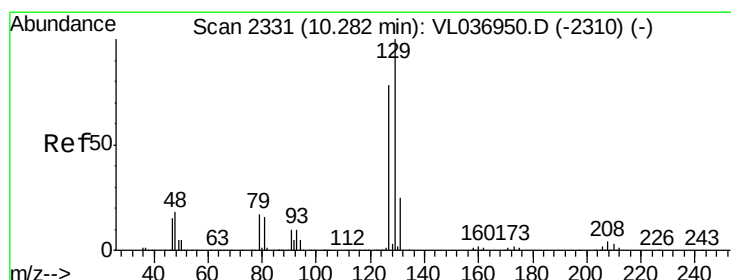
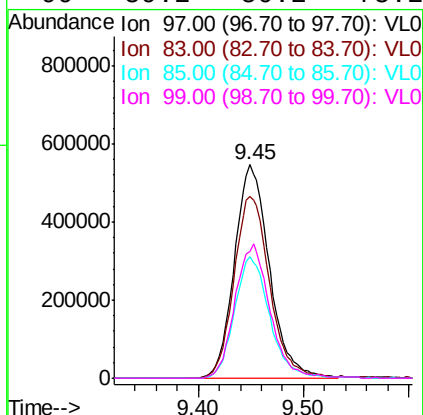
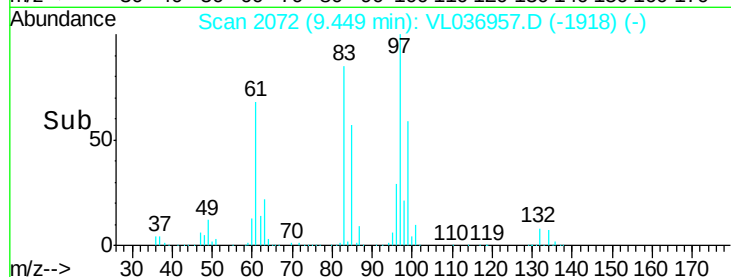
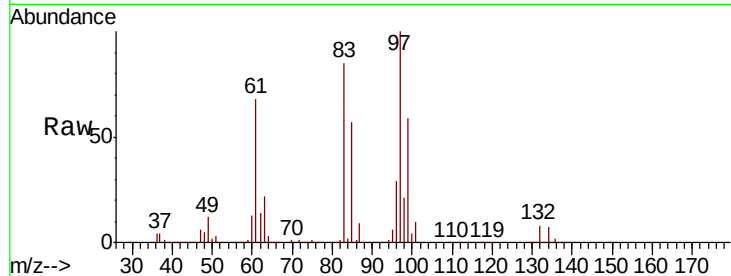
#47
 1,1,2-Trichloroethane
 Concen: 9.240 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.01 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051821

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.8	70.4	105.6	
85	57.2	45.5	68.3	
99	59.2	50.2	75.2	

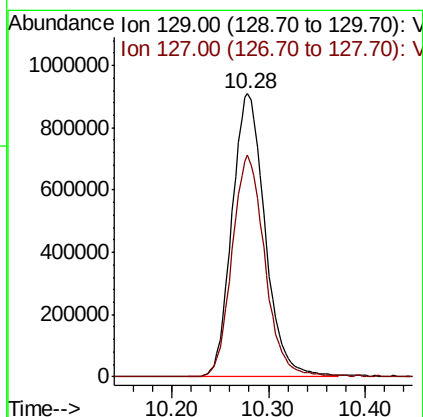
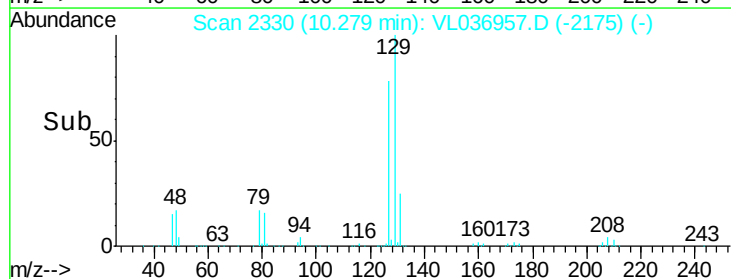
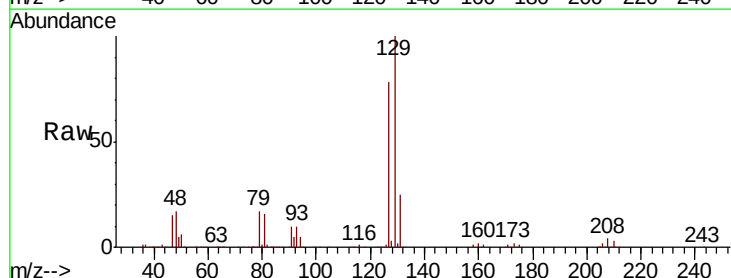
Manual Integrations
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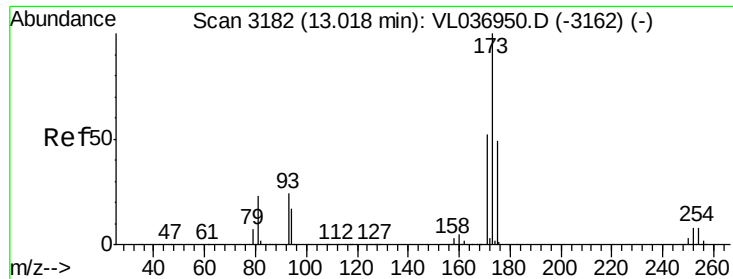
MMDadoda
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#48
 Dibromochloromethane
 Concen: 9.783 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.3	39.3	117.8	





#49

Bromoform

Concen: 10.092 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion:173 Resp: 1840080

Ion Ratio Lower Upper

173 100

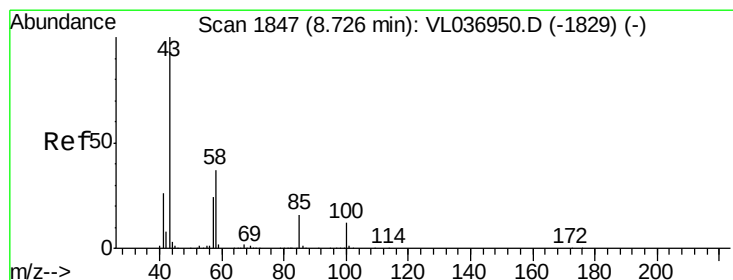
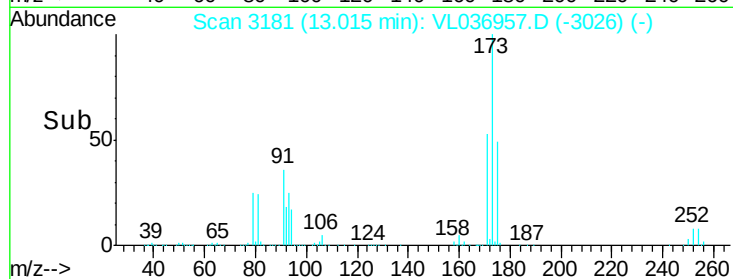
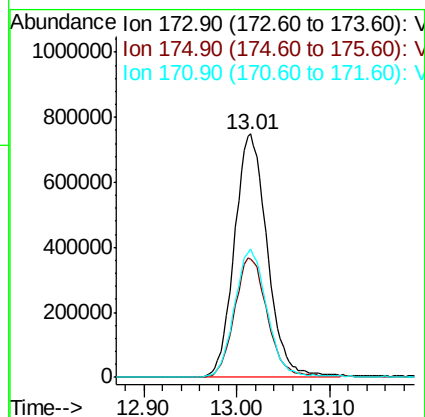
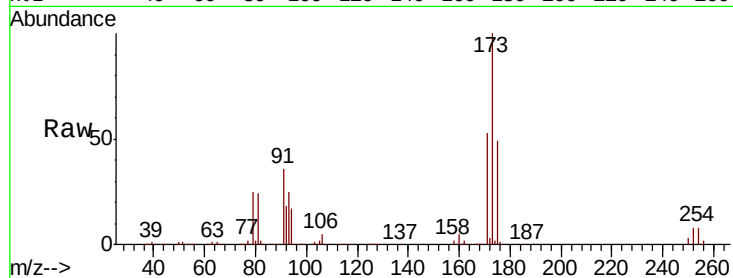
175 49.6 40.4 60.6

171 52.5 42.6 64.0

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 9.346 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL036957.D

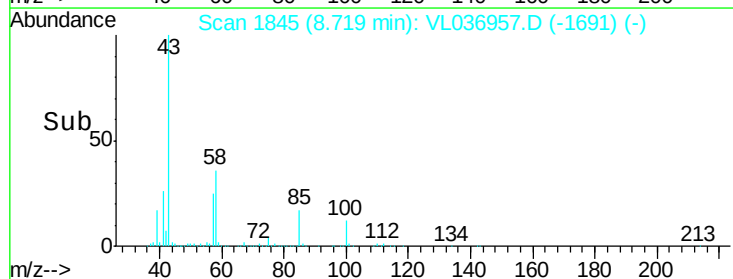
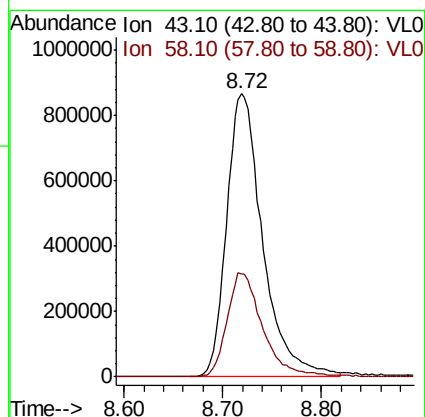
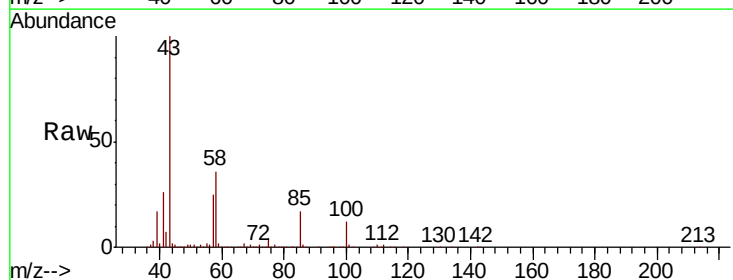
Acq: 18 May 2021 7:03

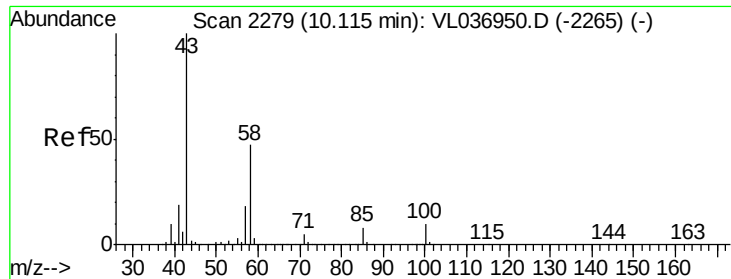
Tgt Ion: 43 Resp: 2204896

Ion Ratio Lower Upper

43 100

58 36.7 29.4 44.2





#51

2-Hexanone

Concen: 9.510 ppbv

RT: 10.11 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion: 43 Resp: 1186042

Ion Ratio Lower Upper

43 100

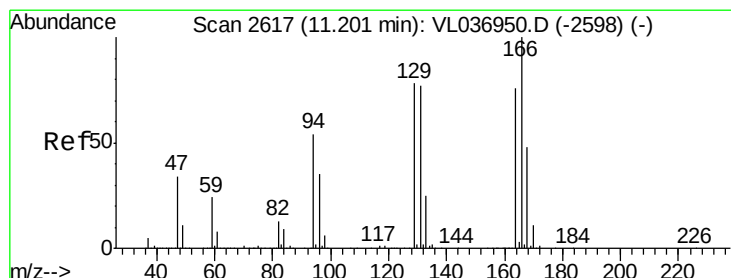
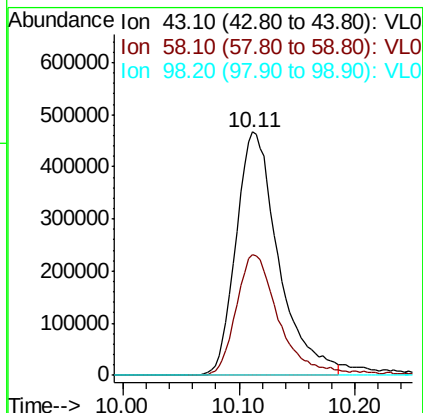
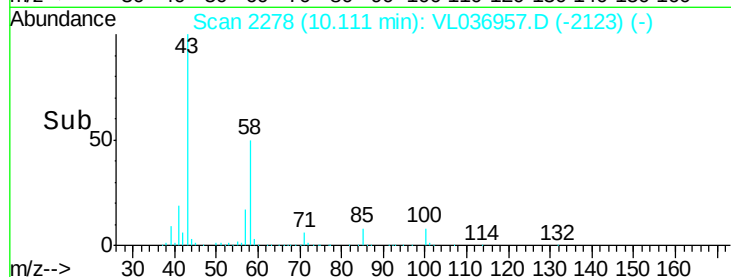
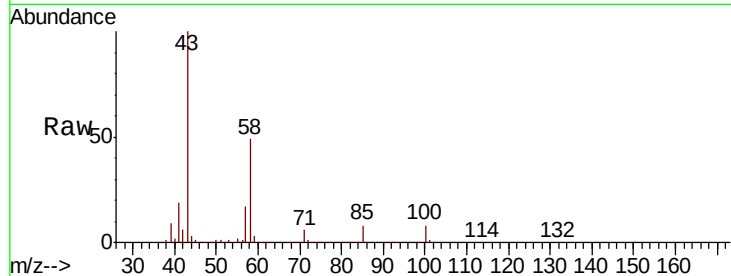
58 51.6 41.1 61.7

98 0.1 0.1 0.1#

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#52

Tetrachloroethene

Concen: 8.822 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Tgt Ion: 164 Resp: 1186487

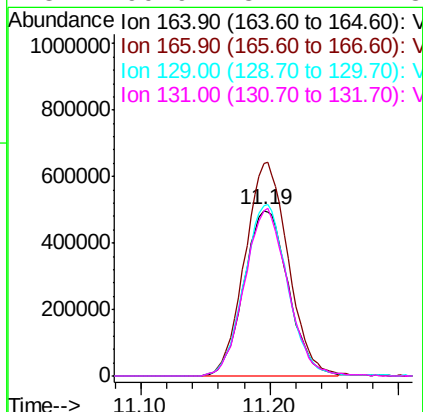
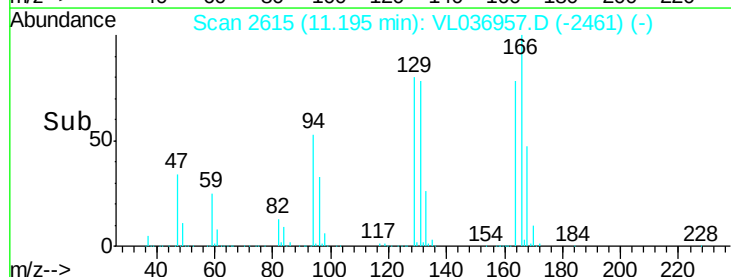
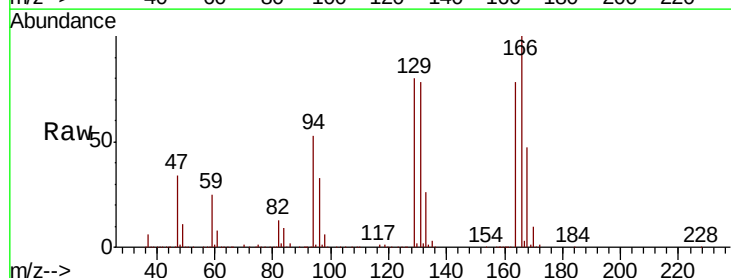
Ion Ratio Lower Upper

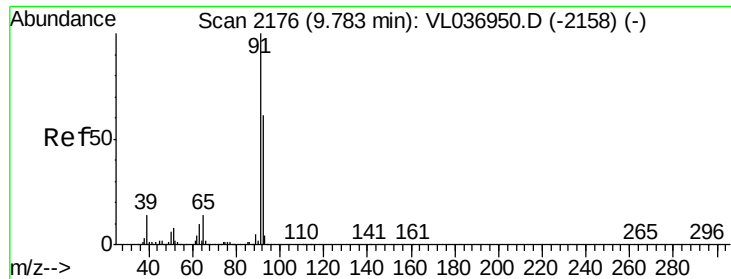
164 100

166 128.3 105.5 158.3

129 103.1 81.8 122.8

131 99.9 81.2 121.8





#53

Toluene

Concen: 8.980 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion: 91 Resp: 3613575

Ion Ratio Lower Upper

91 100

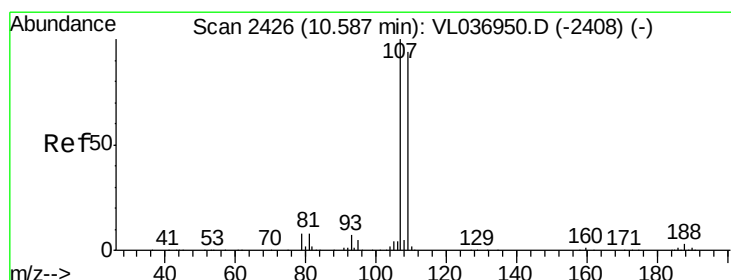
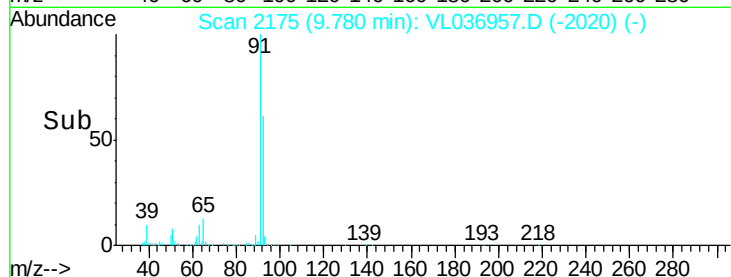
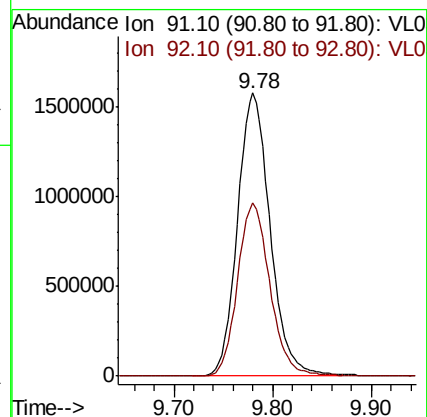
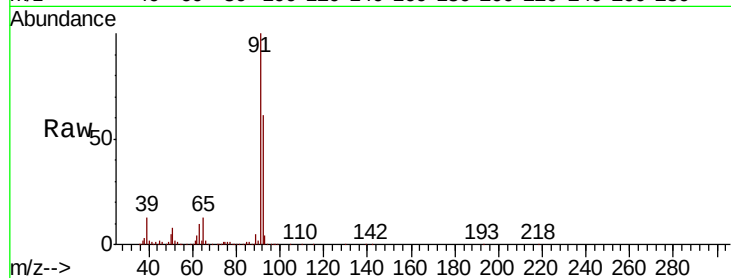
92 61.3 49.5 74.3

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#54

1,2-Dibromoethane

Concen: 9.272 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.00 min

Lab File: VL036957.D

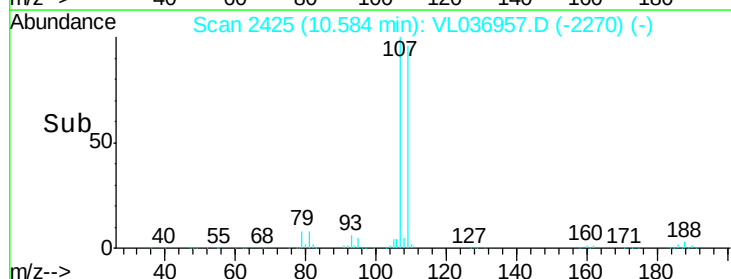
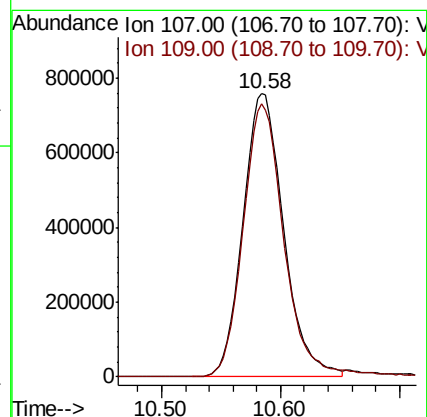
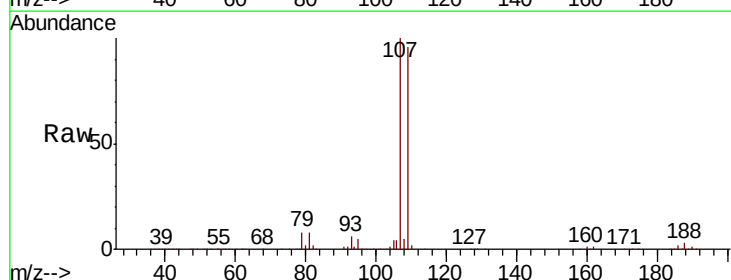
Acq: 18 May 2021 7:03

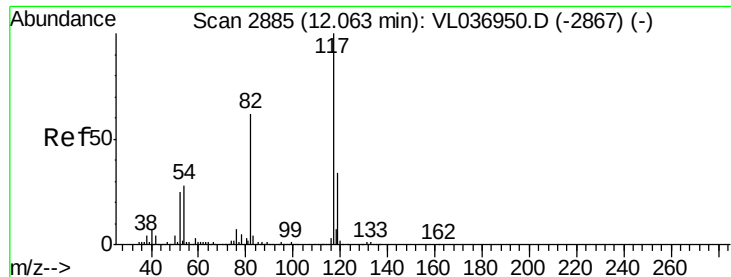
Tgt Ion: 107 Resp: 1797537

Ion Ratio Lower Upper

107 100

109 96.5 75.0 112.4





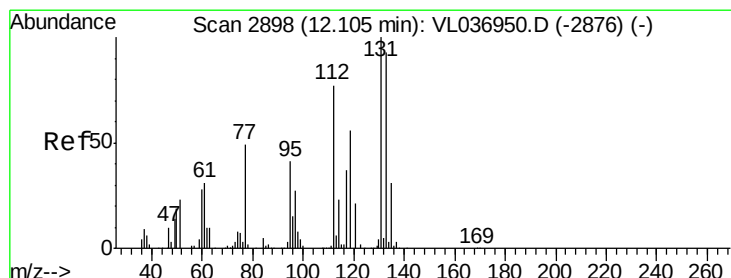
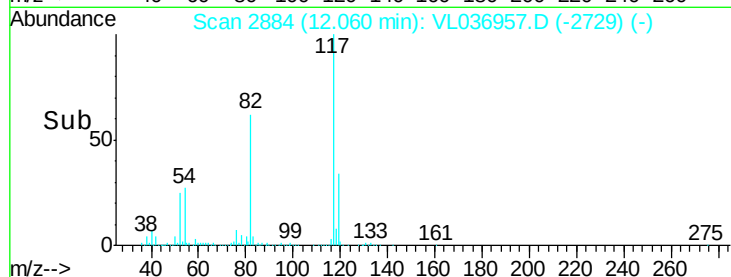
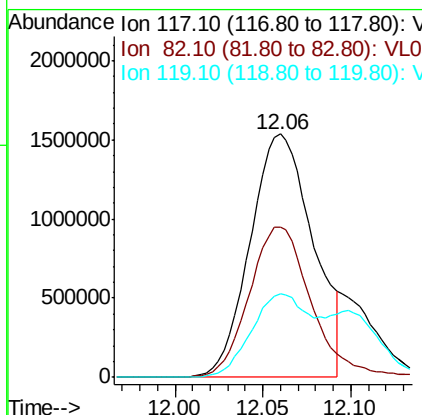
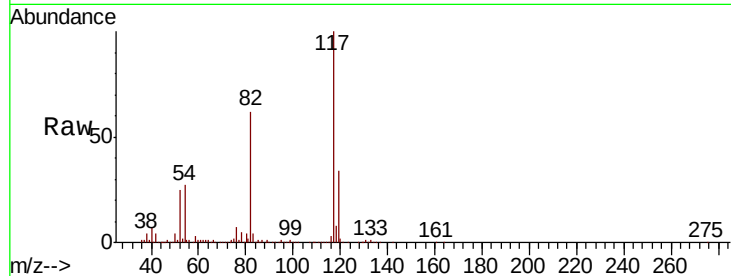
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051821

Tot Ion:117 Resp: 3817852
Ion Ratio Lower Upper
117 100
82 62.6 52.6 79.0
119 56.0 46.6 70.0

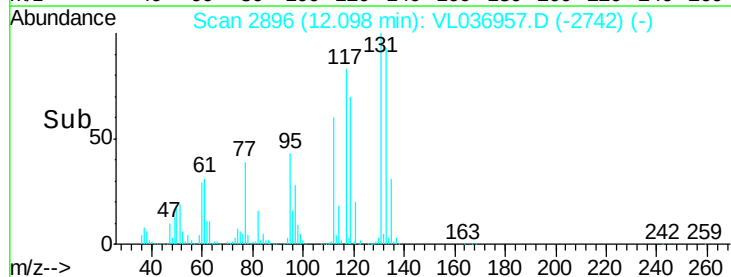
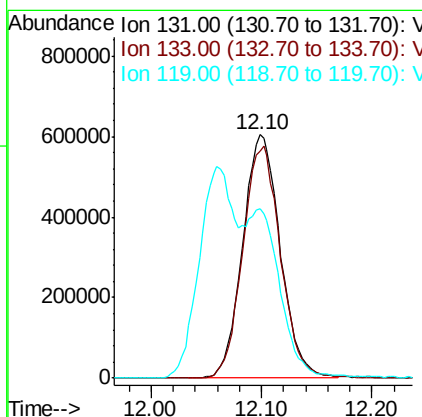
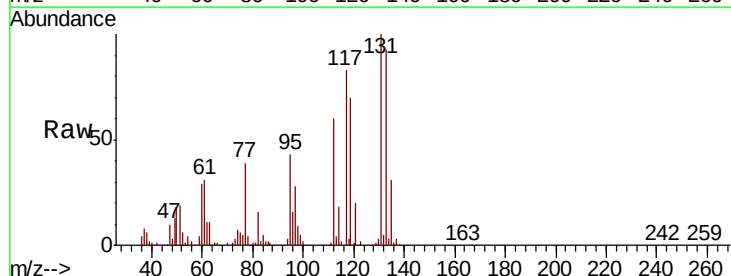
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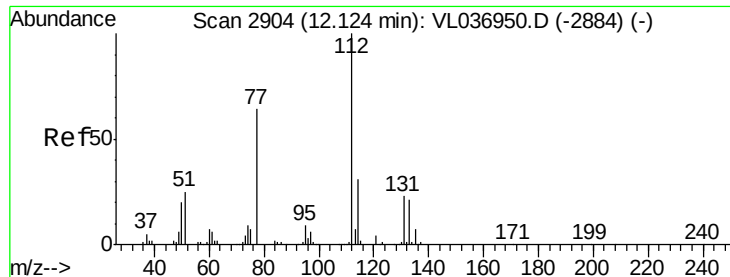
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.873 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Tgt Ion:131 Resp: 1425394
Ion Ratio Lower Upper
131 100
133 96.7 76.9 115.3
119 150.2 120.2 180.4





#57

Chlorobenzene

Concen: 8.900 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion:112 Resp: 2634591

Ion Ratio Lower Upper

112 100

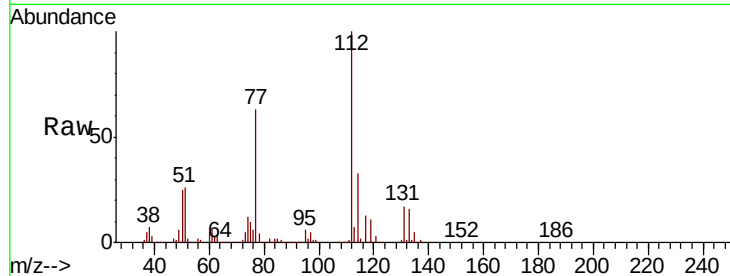
77 62.1 51.0 76.6

114 32.6 28.3 34.5

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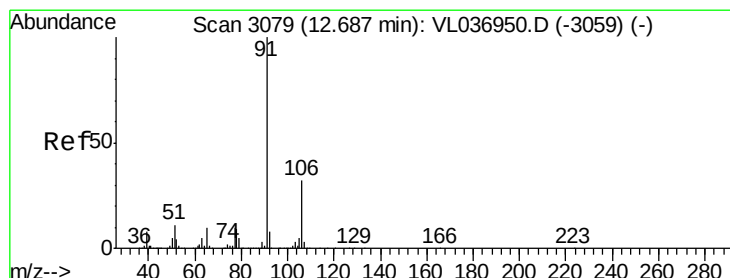
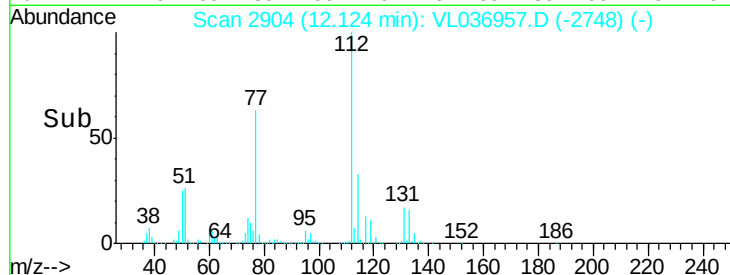
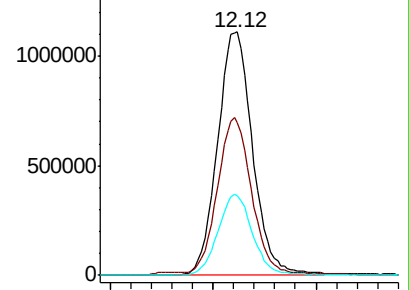
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Abundance Ion 112.10 (111.80 to 112.80): V

1500000 Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.789 ppbv

RT: 12.68 min Scan# 3078

Delta R.T. -0.00 min

Lab File: VL036957.D

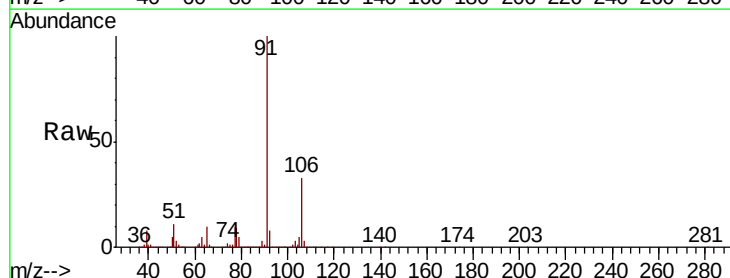
Acq: 18 May 2021 7:03

Tgt Ion: 91 Resp: 4736045

Ion Ratio Lower Upper

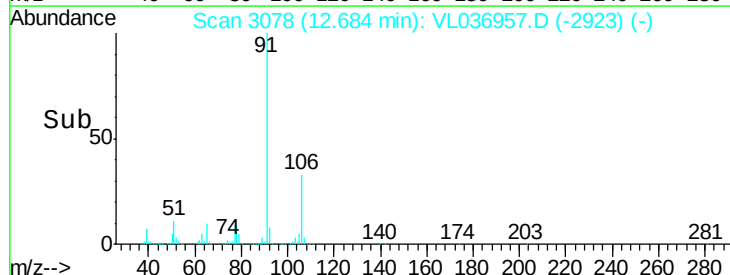
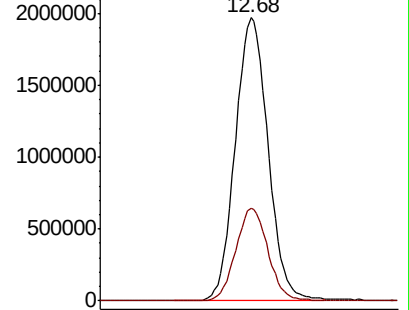
91 100

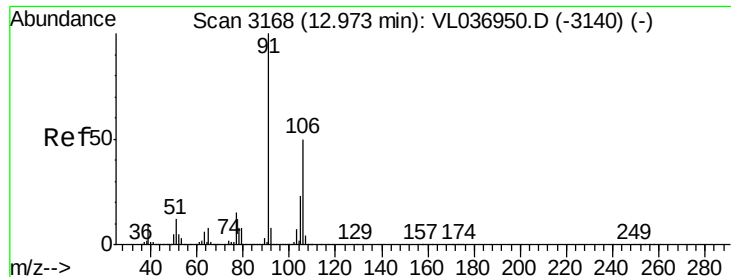
106 32.8 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





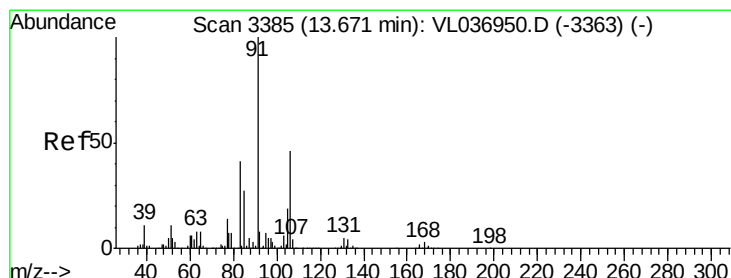
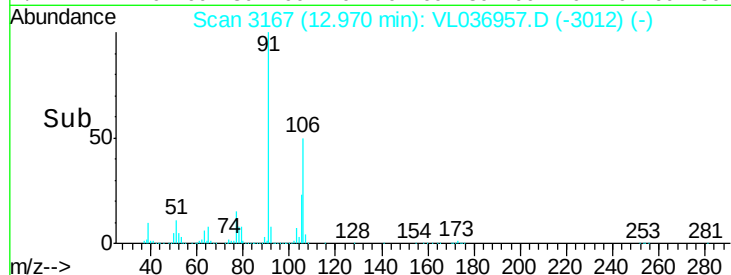
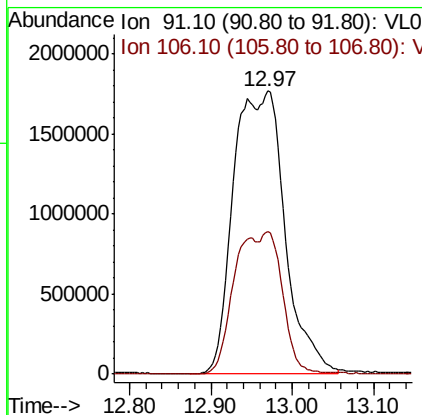
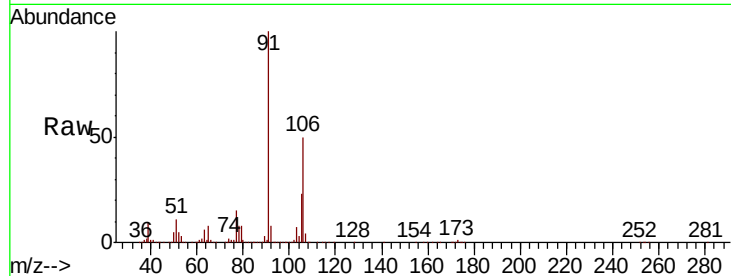
#59
m/p-Xylene
Concen: 17.381 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051821

Tot Ion: 91 Resp: 7741660
Ion Ratio Lower Upper
91 100
106 46.8 37.4 56.2

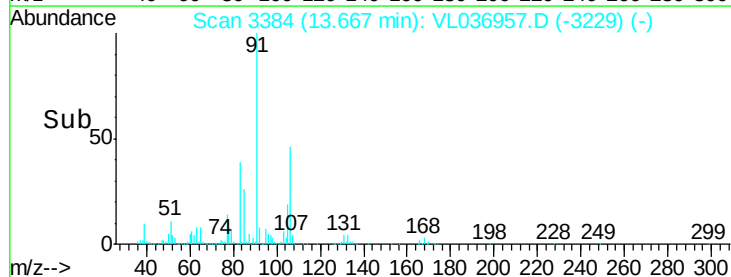
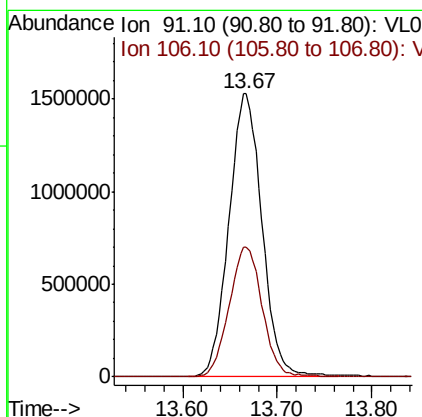
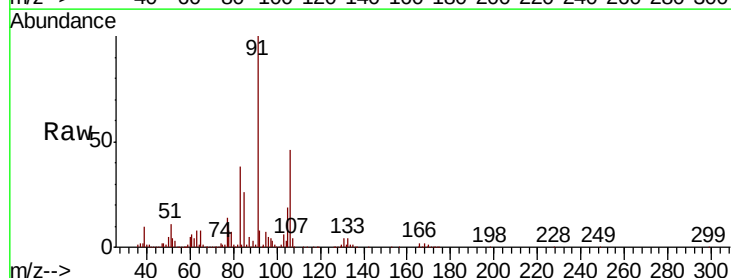
Manual Integrations
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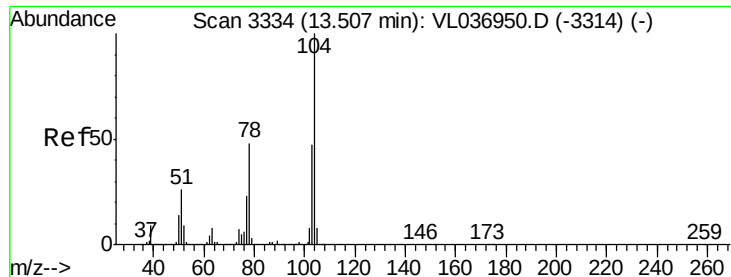
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#60
o-Xylene
Concen: 8.702 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Tgt Ion: 91 Resp: 3696736
Ion Ratio Lower Upper
91 100
106 46.6 23.4 70.3





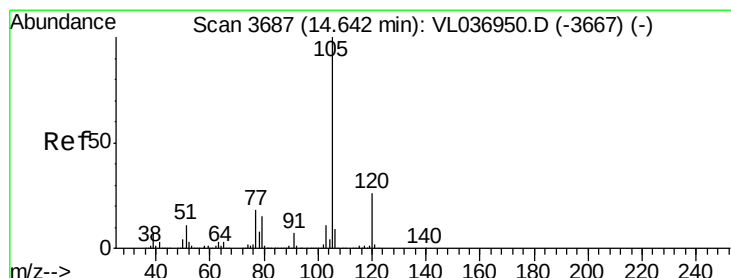
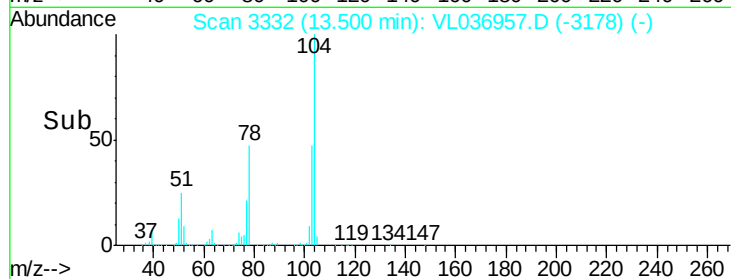
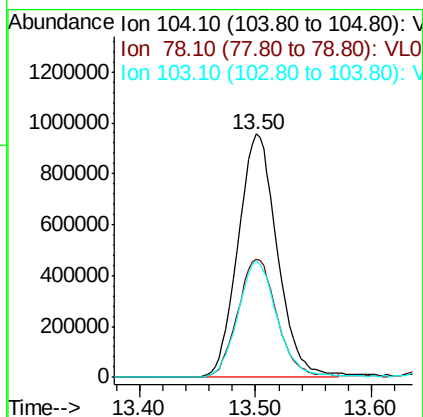
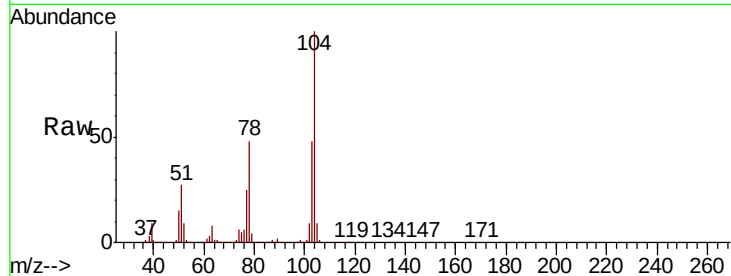
#61
Stvrene
Concen: 9.390 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.01 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051821

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.0	58.6
103	47.9	38.0	57.0

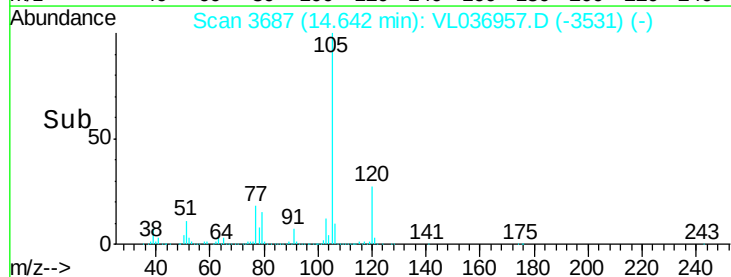
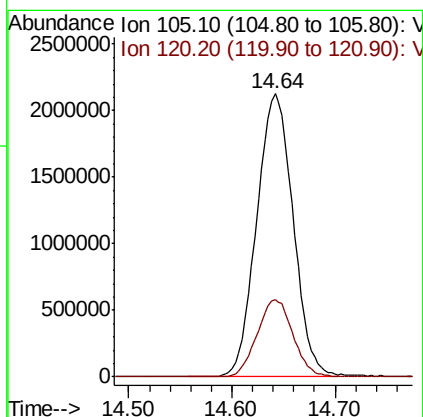
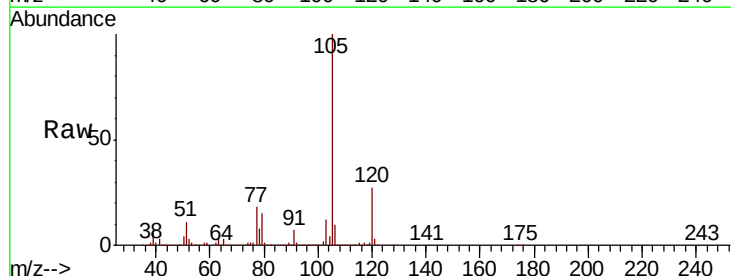
Manual Integrations
APPROVED

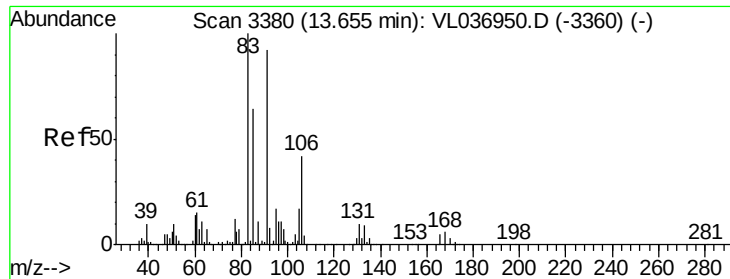
MMDadoda
5/20/2021 5:54:27 PM



#62
Isopropylbenzene
Concen: 8.551 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. 0.00 min
Lab File: VL036957.D
Acq: 18 May 2021 7:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.7	32.5





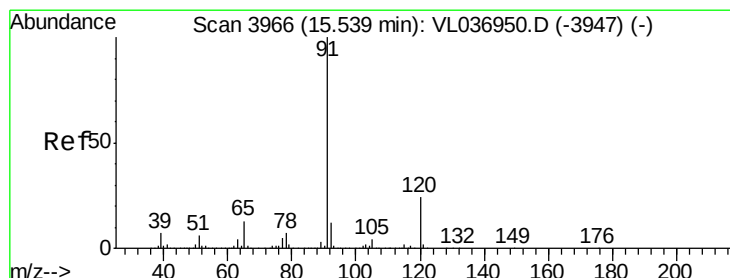
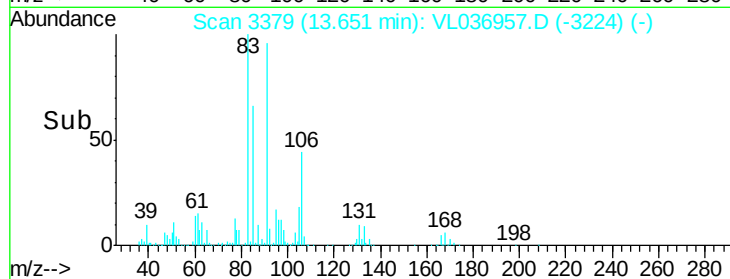
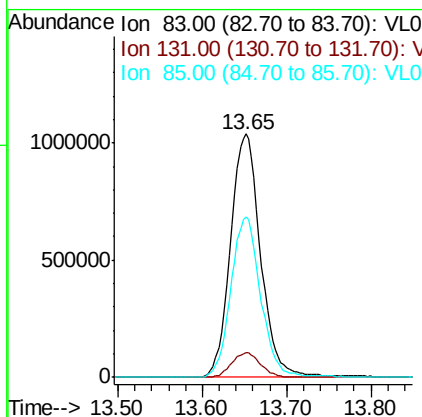
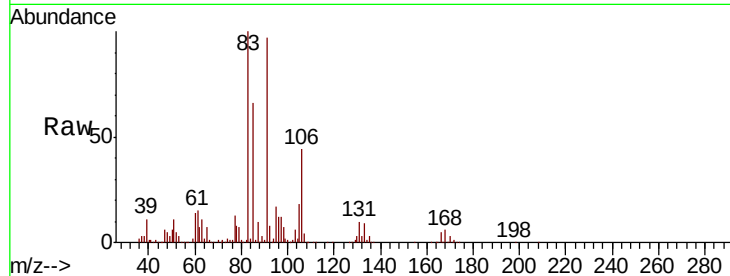
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.094 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051821

Tot Ion	83	Resp	2567897
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	66.0	32.9	98.6

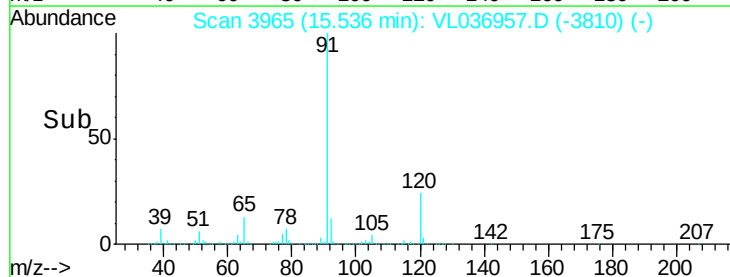
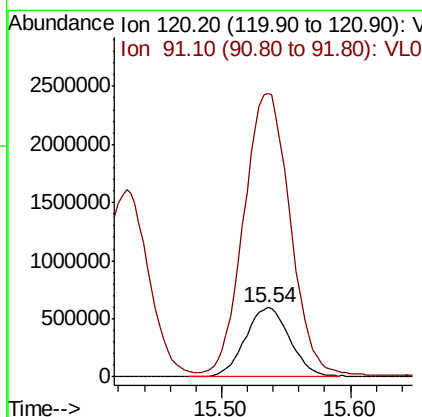
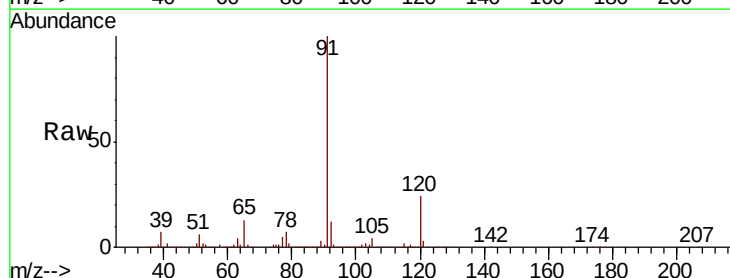
Manual Integrations
 APPROVED

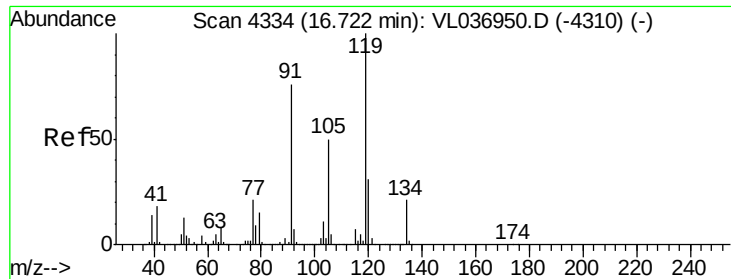
MMDadoda
 5/20/2021 5:54:27 PM



#64
 n-propylbenzene
 Concen: 9.114 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.00 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Tgt Ion	120	Resp	1435628
Ion Ratio	100	Lower	Upper
120	100		
91	431.8	343.8	515.6





#65

tert-Butylbenzene

Concen: 8.516 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion:119 Resp: 4691358

Ion Ratio Lower Upper

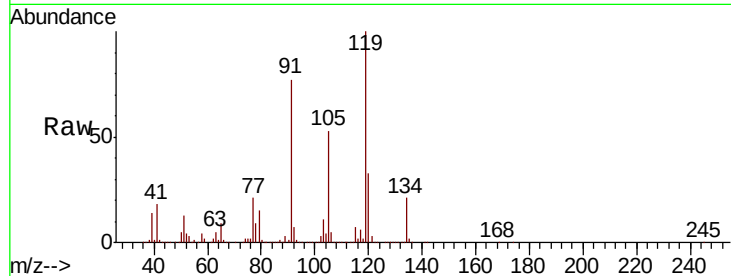
119 100

91 77.2 61.9 92.9

134 20.4 16.2 24.4

Manual Integrations
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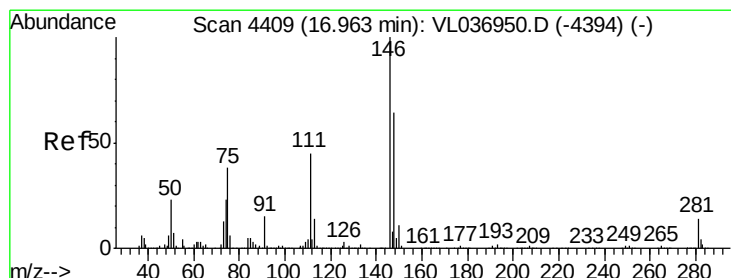
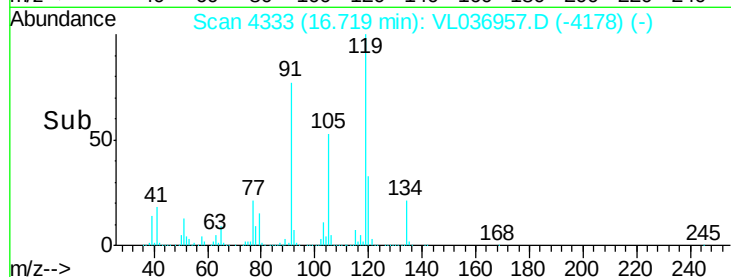
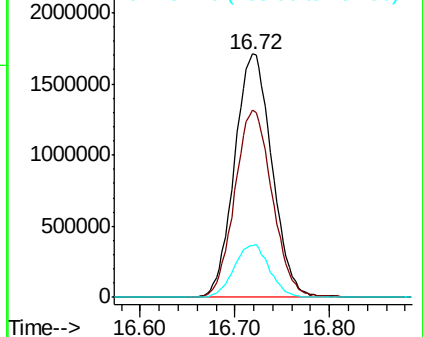
MMDadoda
5/20/2021 5:54:27 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.895 ppbv

RT: 16.96 min Scan# 4408

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

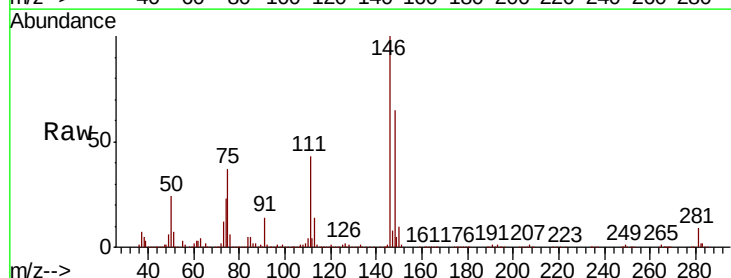
Tgt Ion: 91 Resp: 271899

Ion Ratio Lower Upper

91 100

126 21.0 16.5 24.7

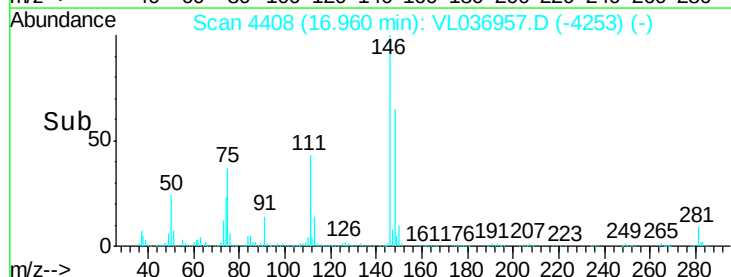
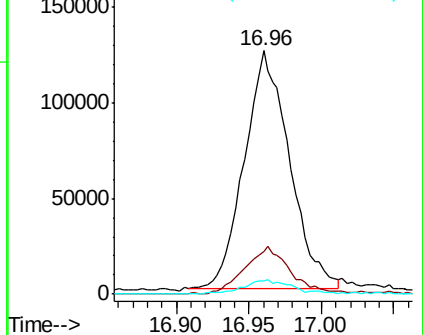
128 6.7 5.5 8.3

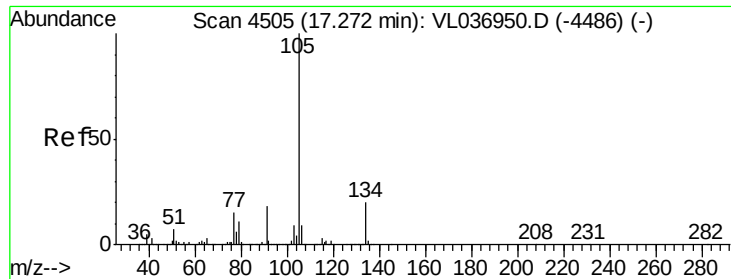


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.607 ppbv

RT: 17.27 min Scan# 4504

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampled :

ICVVL051821

Tot Ion: 105 Resp: 6468150

Ion Ratio Lower Upper

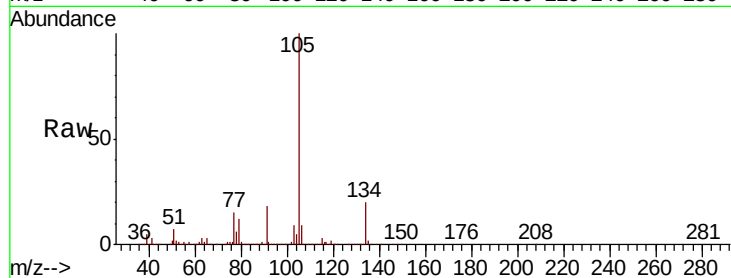
105 100

134 19.4 15.6 23.4

Manual Integrations
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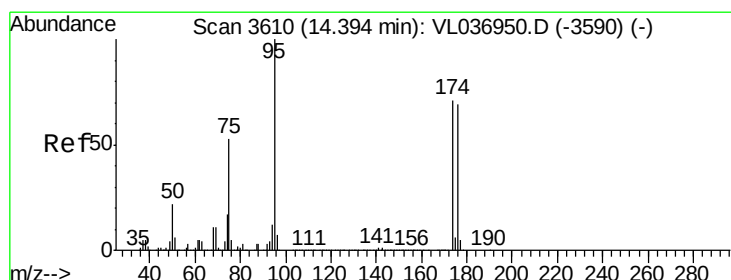
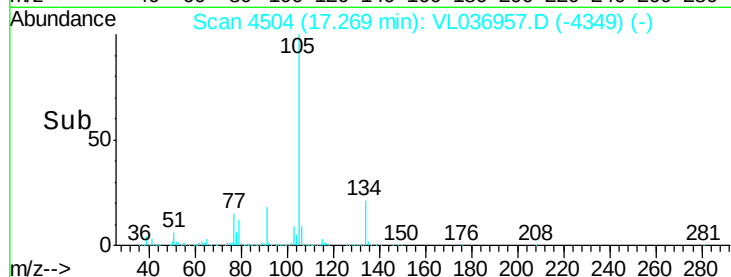
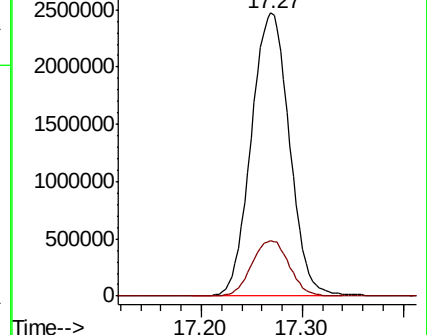
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.103 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

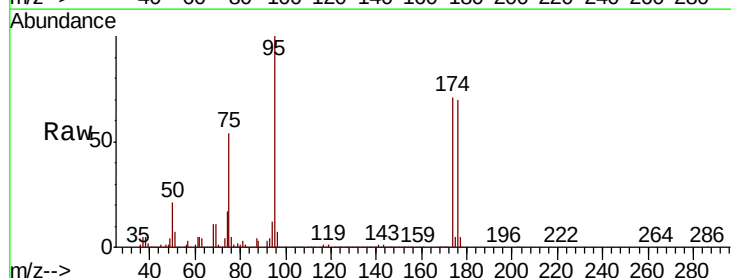
Tgt Ion: 95 Resp: 2897636

Ion Ratio Lower Upper

95 100

174 73.5 58.4 87.6

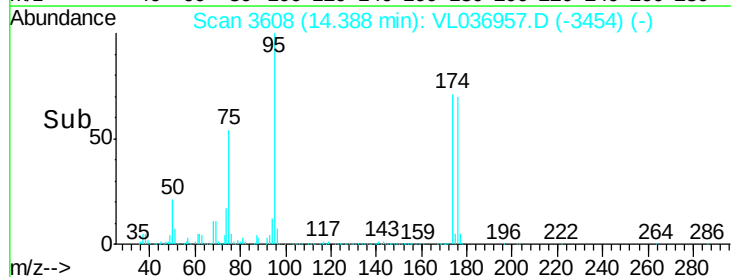
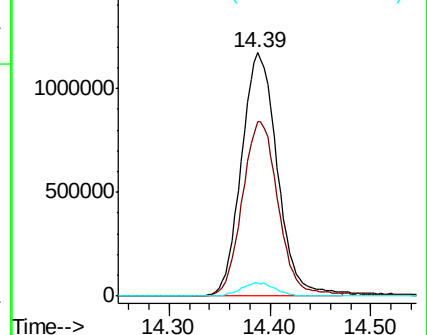
175 5.5 4.4 6.6

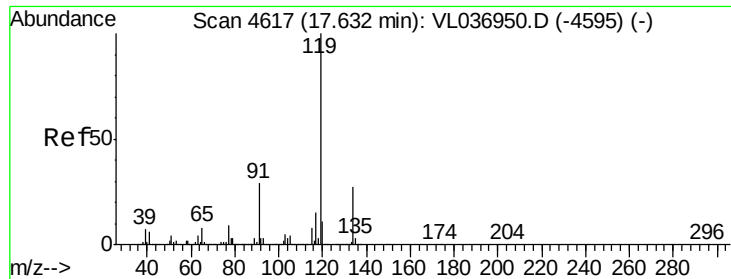


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





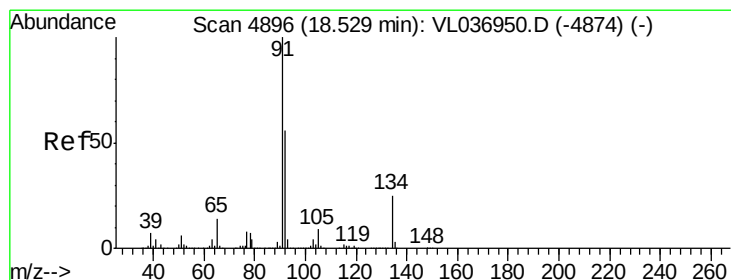
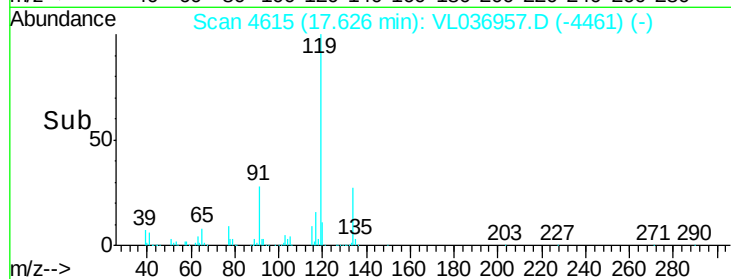
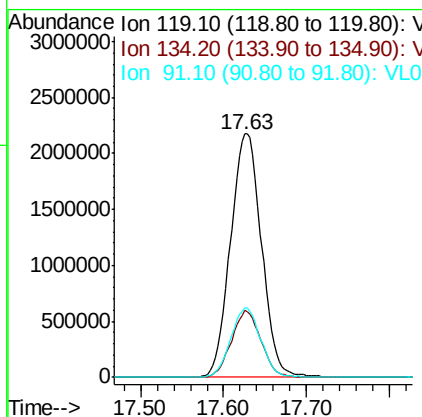
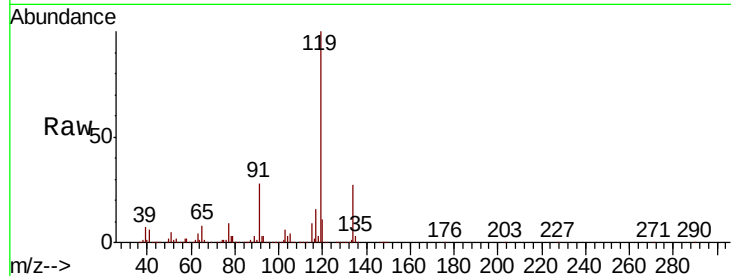
#69
 p-Isopropyltoluene
 Concen: 8.760 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.01 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051821

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	27.6	22.2	33.4

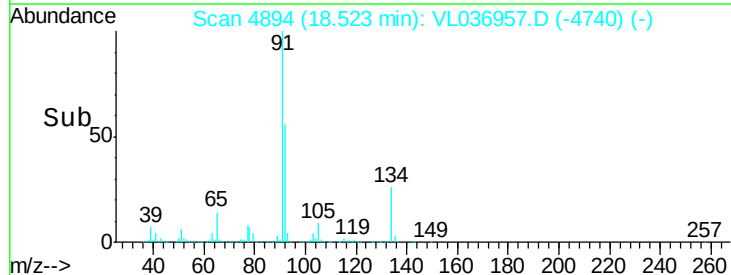
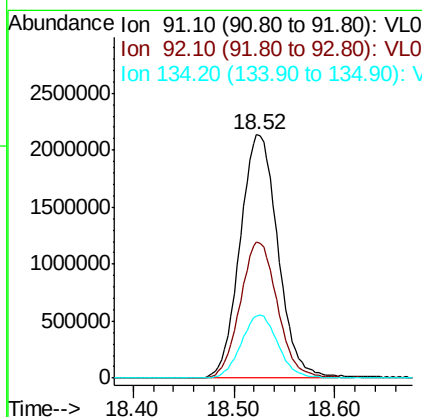
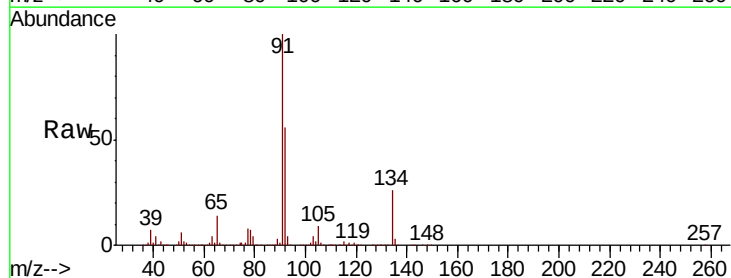
Manual Integrations
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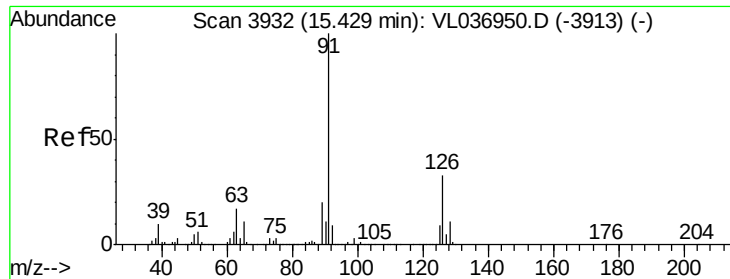
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.033 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. -0.01 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.6	66.8
134	25.4	20.2	30.2





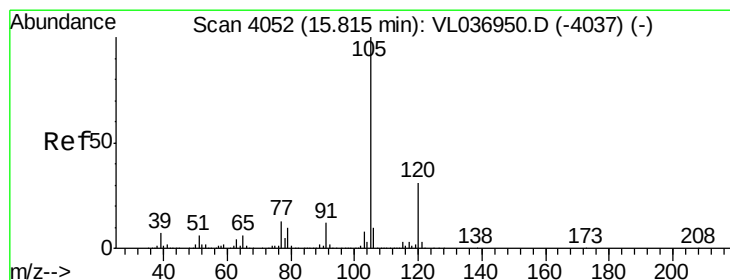
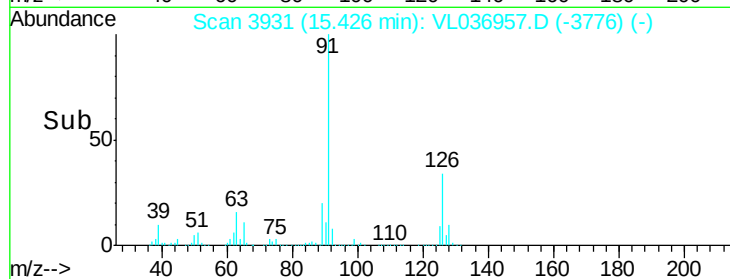
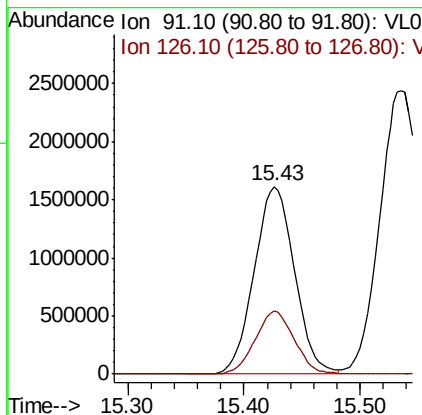
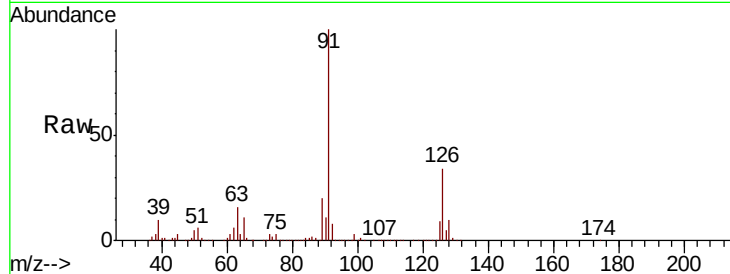
#71
 2-Chlorotoluene
 Concen: 8.836 ppbv
 RT: 15.43 min Scan# 3931
 Delta R.T. -0.00 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051821

Tot Ion: 91 Resp: 3896264
 Ion Ratio Lower Upper
 91 100
 126 33.2 13.1 52.5

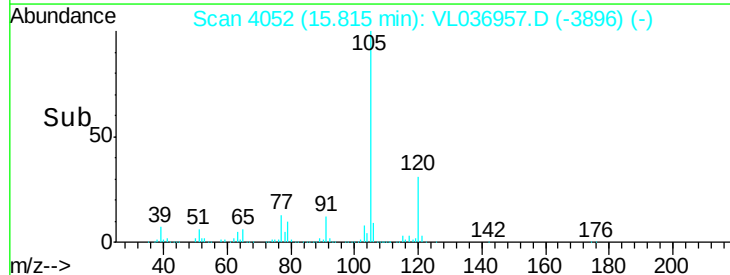
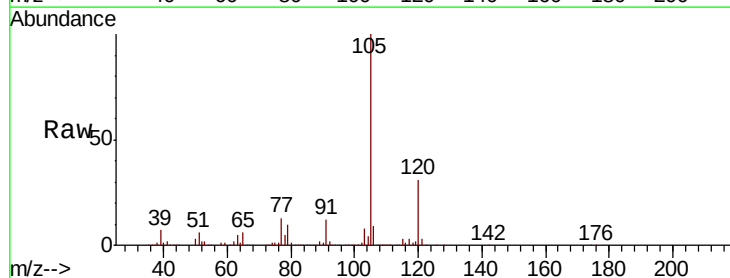
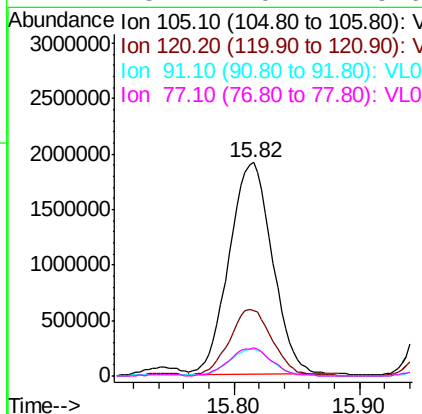
Manual Integrations
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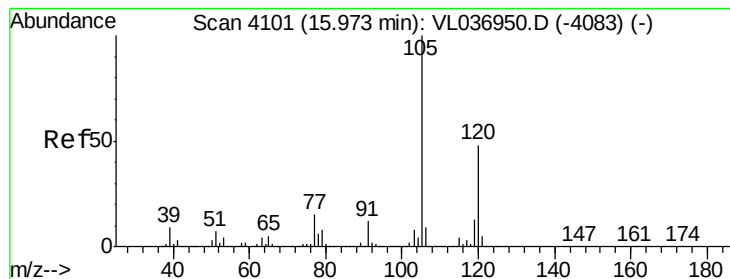
MMDadoda
 5/20/2021 5:54:27 PM



#72
 4-Ethyltoluene
 Concen: 9.116 ppbv
 RT: 15.82 min Scan# 4052
 Delta R.T. 0.00 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Tgt Ion: 105 Resp: 4596183
 Ion Ratio Lower Upper
 105 100
 120 31.2 24.6 37.0
 91 12.5 9.8 14.6
 77 13.1 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 8.808 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. 0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion:105 Resp: 4170105

Ion Ratio Lower Upper

105 100

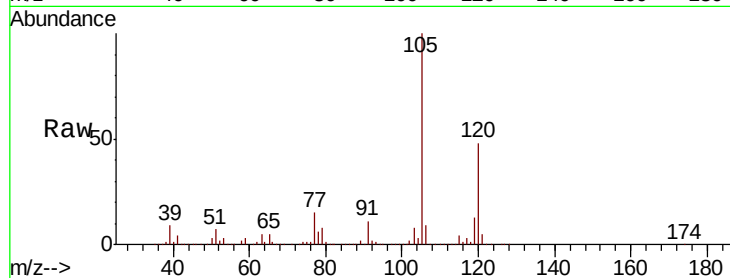
120 48.3 38.6 58.0

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 120.20 (119.90 to 120.90): V

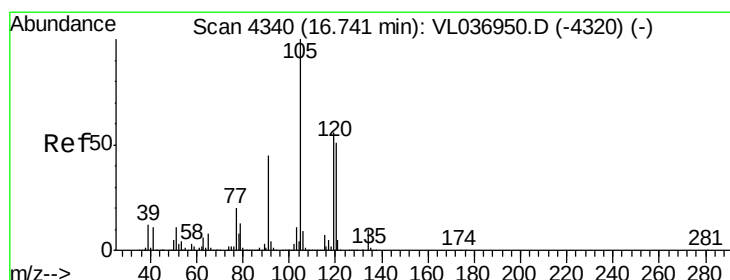
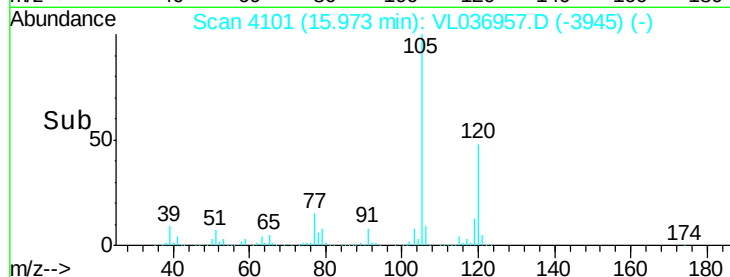
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.741 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Tgt Ion:105 Resp: 4279214

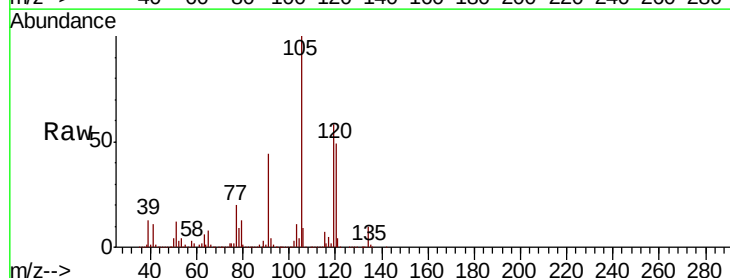
Ion Ratio Lower Upper

105 100

120 49.0 40.6 61.0

91 44.0 37.4 56.0

77 20.0 16.2 24.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

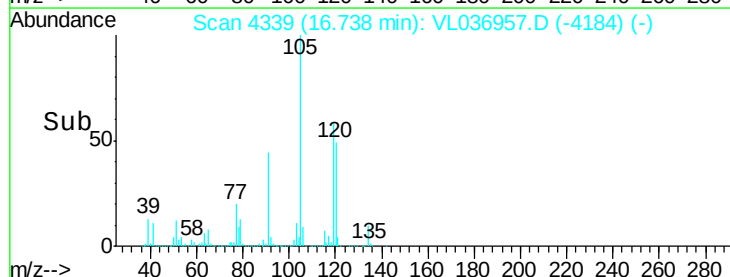
1500000

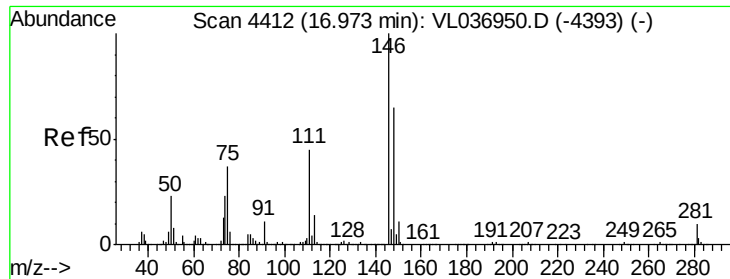
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.003 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion:146 Resp: 2691283

Ion Ratio Lower Upper

146 100

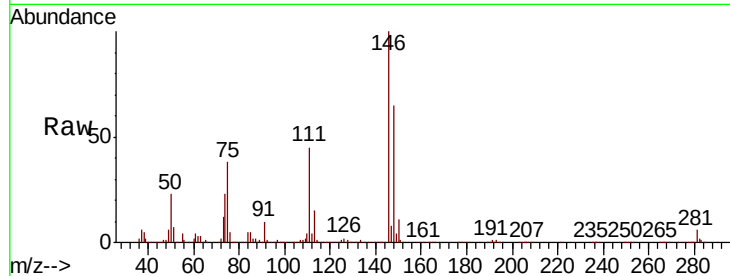
111 44.6 22.2 66.6

148 65.3 32.3 96.8

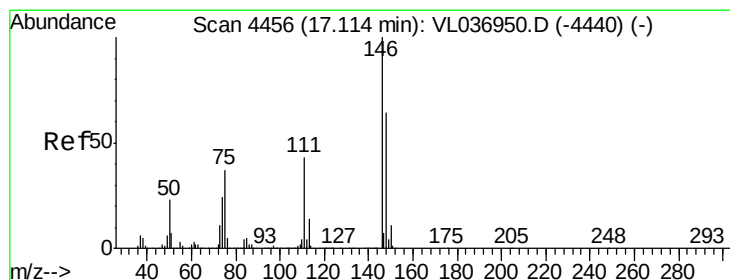
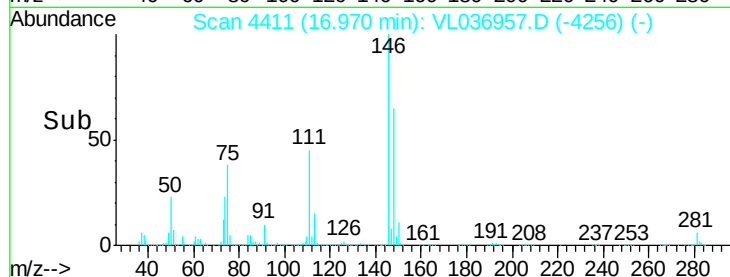
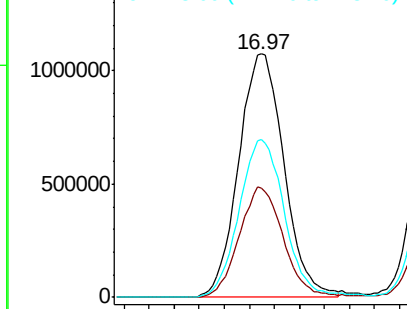
Manual Integrations
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5/20/2021 5:54:27 PM



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.855 ppbv

RT: 17.11 min Scan# 4455

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

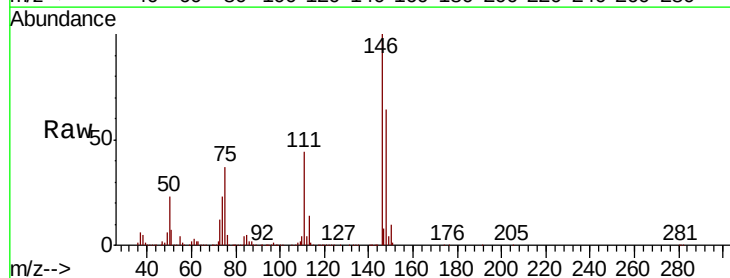
Tgt Ion:146 Resp: 2676465

Ion Ratio Lower Upper

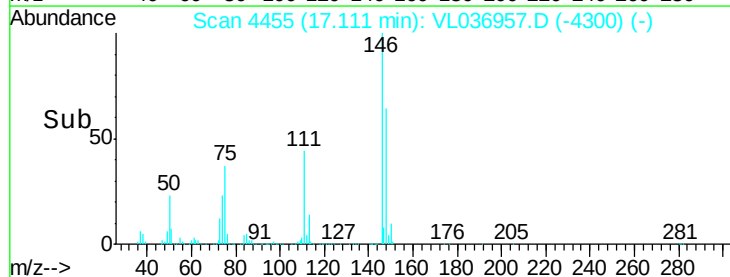
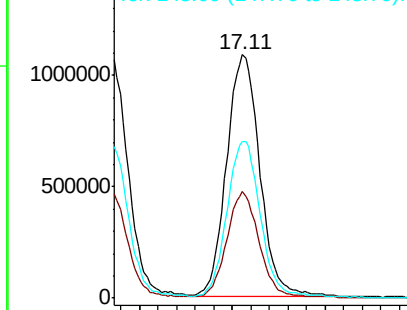
146 100

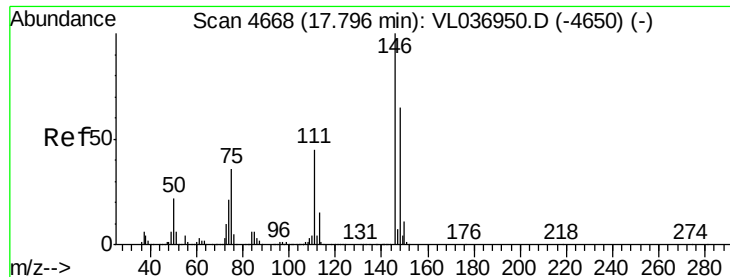
111 43.7 22.6 67.7

148 66.5 33.5 100.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





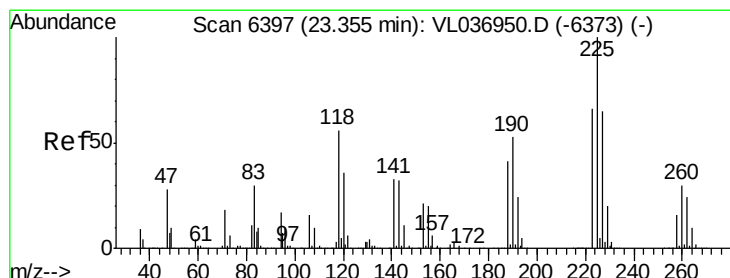
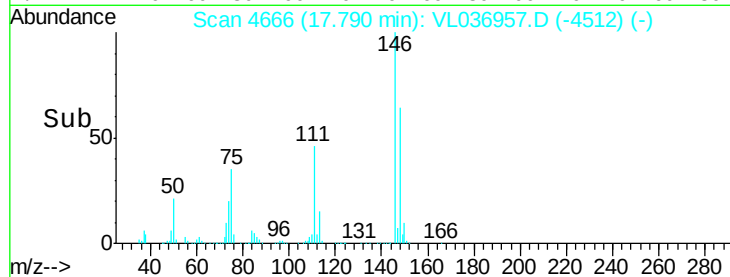
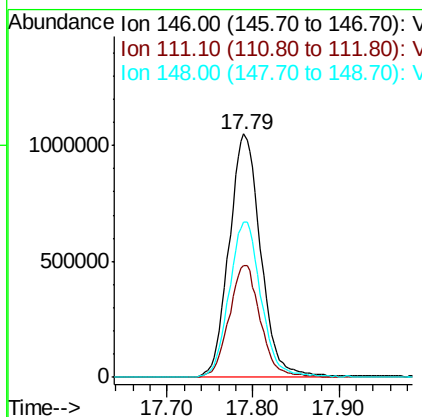
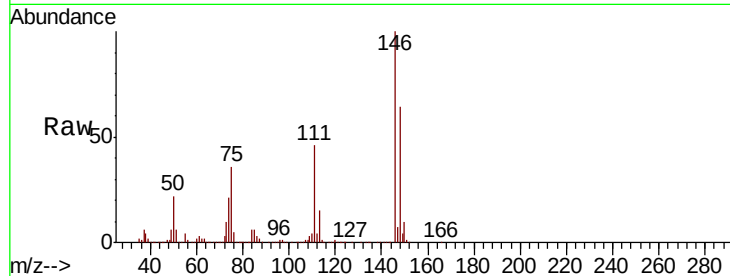
#77
 1,2-Dichlorobenzene
 Concen: 8.901 ppbv
 RT: 17.79 min Scan# 4666
 Delta R.T. -0.01 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051821

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.1	69.2
148	65.0	32.5	97.4

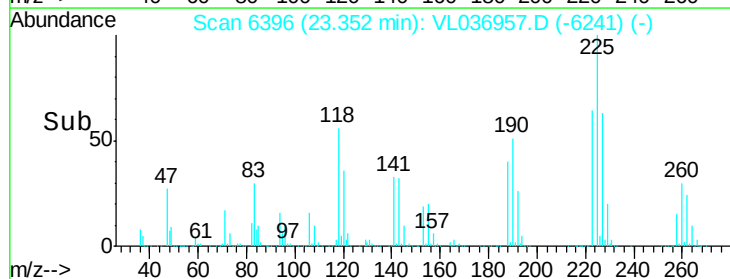
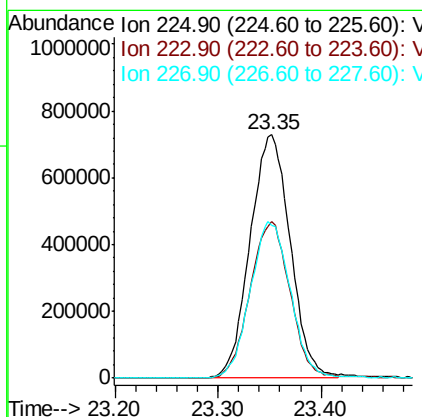
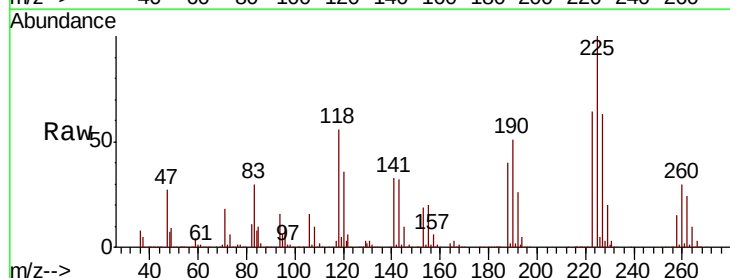
Manual Integrations
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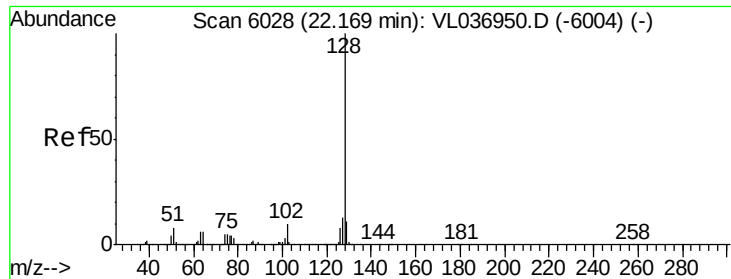
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.182 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.00 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.9	77.9
227	64.8	51.8	77.6





#79

Naphthalene

Concen: 10.925 ppbv m

RT: 22.17 min Scan# 6027

Delta R.T. -0.00 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051821

Tot Ion:128 Resp: 4196661

Ion Ratio Lower Upper

128 100

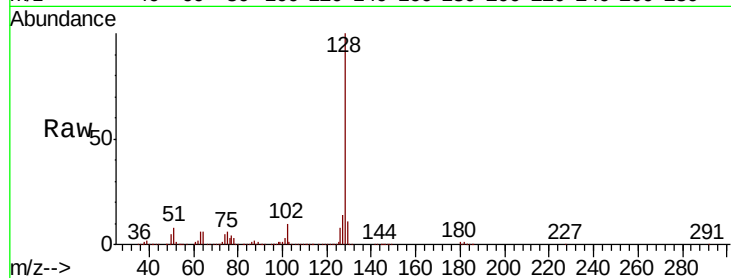
127 13.8 10.4 15.6

129 11.5 9.0 13.6

Manual Integrations
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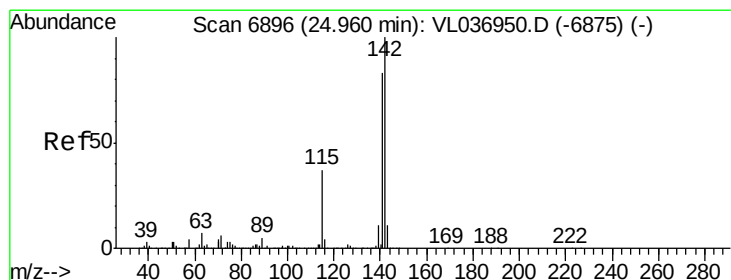
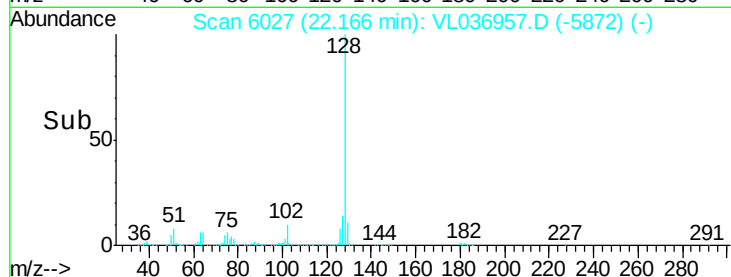
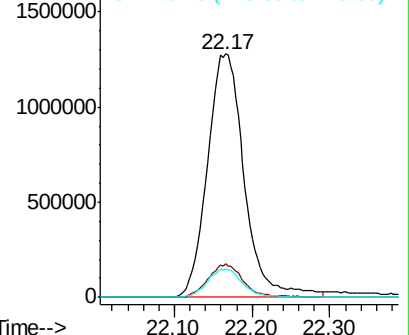
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.200 ppbv m

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL036957.D

Acq: 18 May 2021 7:03

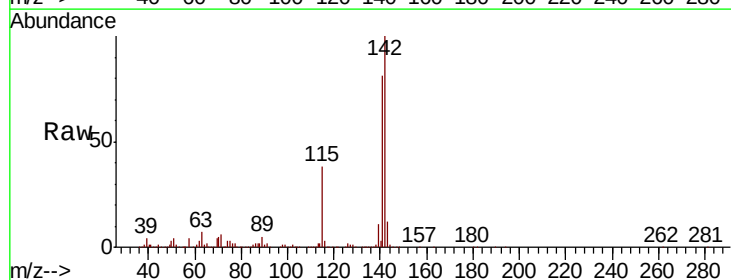
Tgt Ion:142 Resp: 1018991

Ion Ratio Lower Upper

142 100

141 90.4 69.3 103.9

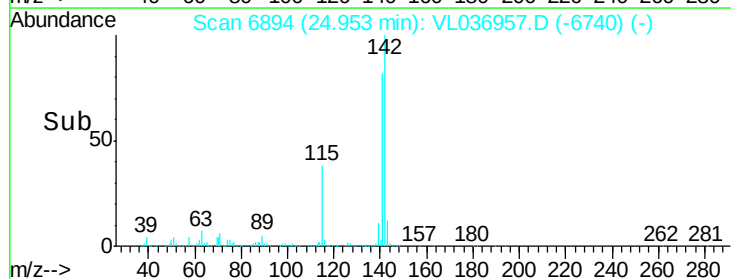
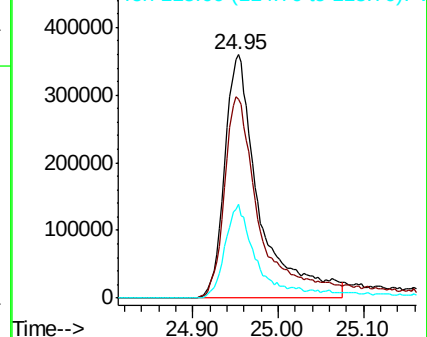
115 39.9 29.1 43.7

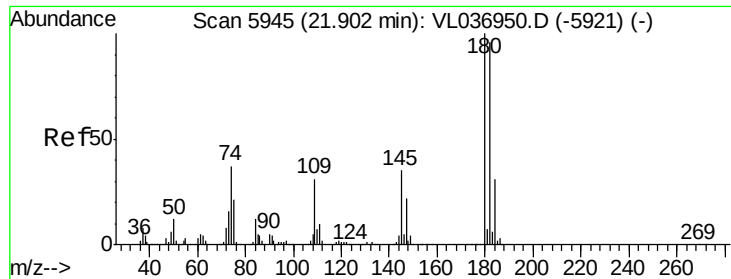


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.828 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.01 min
 Lab File: VL036957.D
 Acq: 18 May 2021 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051821

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	81.7	122.5
184	31.3	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:54:27 PM

