

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036675.D
 Acq On : 3 Apr 2021 11:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 4/5/2021 6:46:48 PM

Quant Time: Apr 05 09:10:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1096357	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2904894	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2688773m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2158407	10.07	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1323683	7.402 ppbv	99
3) Chlorodifluoromethane	2.97	51	1730843	8.450 ppbv	99
4) Chloromethane	3.12	50	550314	7.606 ppbv	95
5) Vinyl Chloride	3.24	62	560867	7.539 ppbv	99
6) Bromomethane	3.45	94	312656	7.633 ppbv	96
7) Chloroethane	3.54	64	195537	7.649 ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1355781	7.944 ppbv	94
9) Propene	2.99	41	532811	8.159 ppbv	98
10) Heptane	8.10	43	1394252	8.381 ppbv	100
11) Trichlorofluoromethane	3.93	101	1407174	7.722 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	950965	8.162 ppbv	98
13) Ethanol	3.59	45	69702m	8.963 ppbv	
14) Bromoethene	3.72	108	398646	8.230 ppbv	98
15) Acetone	3.83	43	895305	8.297 ppbv	99
16) 1,3-Butadiene	3.31	39	619456	8.246 ppbv	97
17) tert-Butyl alcohol	4.27	59	839925	8.942 ppbv	100
18) 1,1-Dichloroethene	4.27	96	423230	8.166 ppbv	97
19) Isopropyl Alcohol	3.94	45	455188m	7.668 ppbv	
20) Methylene Chloride	4.32	84	368146	7.287 ppbv	90
21) Allyl Chloride	4.39	41	692288	8.048 ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	421421	8.771 ppbv	95
23) Vinyl Acetate	5.05	43	1691959	9.167 ppbv #	98
24) 1,1-Dichloroethane	4.99	63	1086143	8.073 ppbv	98
25) Ethyl Acetate	5.65	43	2118696	8.259 ppbv	99
26) Hexane	5.66	57	1024968	8.609 ppbv	97
27) Carbon Disulfide	4.53	76	947316	8.078 ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1244073	8.861 ppbv	99
29) Chloroform	5.73	83	1519263	7.980 ppbv	98
30) Cyclohexane	7.10	84	821415	8.508 ppbv	96
31) cis-1,2-Dichloroethene	5.52	61	1005743	8.734 ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	1543505	8.044 ppbv	98
34) 2-Butanone	5.22	43	996793	7.030 ppbv	100
35) Carbon Tetrachloride	6.99	117	1619404	7.258 ppbv	98
36) Benzene	6.87	78	2034834	7.595 ppbv	99
37) 1,2-Dichloroethane	6.28	62	1186909	7.527 ppbv	100
38) Trichloroethene	7.81	130	776882	7.451 ppbv	94
39) 1,2-Dichloropropane	7.59	63	810849	7.461 ppbv	97
40) 1,4-Dioxane	7.81	88	162198m	6.413 ppbv	
41) Tetrahydrofuran	6.03	42	480781m	7.354 ppbv	
42) Bromodichloromethane	7.76	83	1629854	7.599 ppbv	97
43) Methyl Methacrylate	7.99	69	795788	8.846 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3561934	7.554	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	760774	7.406	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	938861	7.150	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	822337	7.471	ppbv	96
48) Dibromochloromethane	10.28	129	1403788	8.366	ppbv	99
49) Bromoform	13.02	173	1177160	8.706	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	1499234	7.307	ppbv	100
51) 2-Hexanone	10.11	43	866811	8.372	ppbv	98
52) Tetrachloroethene	11.20	164	794934	8.058	ppbv	98
53) Toluene	9.78	91	2392077	8.384	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1228612	7.903	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	996703	8.196	ppbv #	53
57) Chlorobenzene	12.12	112	1753550	7.665	ppbv	97
58) Ethyl Benzene	12.69	91	3207551	8.200	ppbv	98
59) m/p-Xylene	12.97	91	5390094m	15.798	ppbv	
60) o-Xylene	13.67	91	2522220	7.645	ppbv	100
61) Styrene	13.50	104	1404178	8.460	ppbv	99
62) Isopropylbenzene	14.64	105	3607623	8.120	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1716780m	6.822	ppbv	
64) n-propylbenzene	15.54	120	939035	8.645	ppbv	96
65) tert-Butylbenzene	16.72	119	3166303	8.219	ppbv	97
66) Benzyl Chloride	16.97	91	390035	9.160	ppbv	96
67) sec-Butylbenzene	17.27	105	4371504	8.039	ppbv	100
69) p-Isopropyltoluene	17.63	119	3739544	8.806	ppbv	97
70) n-Butylbenzene	18.53	91	3623963	8.231	ppbv	98
71) 2-Chlorotoluene	15.43	91	2715148	8.156	ppbv	99
72) 4-Ethyltoluene	15.82	105	3056447	8.455	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	2741660	8.126	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	2828703	7.834	ppbv	94
75) 1,3-Dichlorobenzene	16.97	146	1680987	8.271	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	1628384	8.070	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	1641847	8.594	ppbv	97
78) Hexachloro-1,3-Butadiene	23.36	225	1317327	7.700	ppbv	99
79) Naphthalene	22.18	128	1888881m	8.965	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	248192	5.974	ppbv	92
81) 1,2,4-Trichlorobenzene	21.91	180	1196172	9.195	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

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Tot Ion: 49 Resp: 1096357

Ion Ratio Lower Upper

49 100

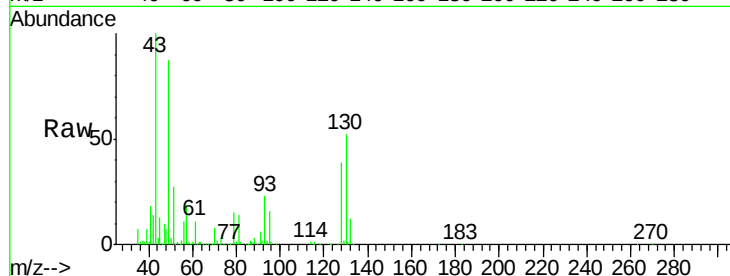
128 50.3 23.5 70.6

130 62.2 29.1 87.4

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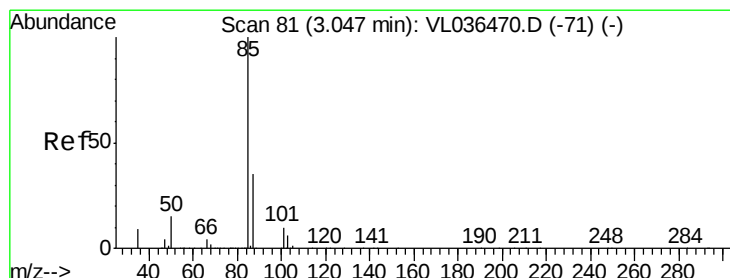
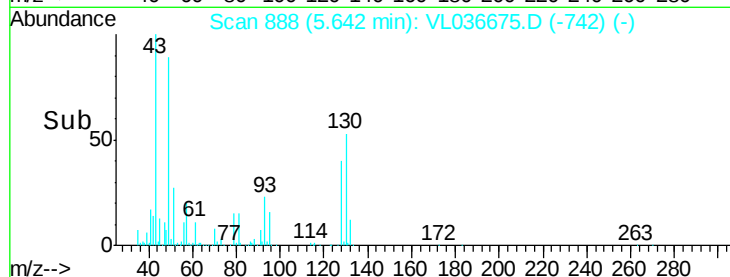
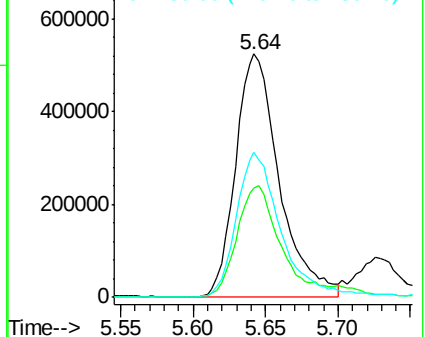
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.402 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.02 min

Lab File: VL036675.D

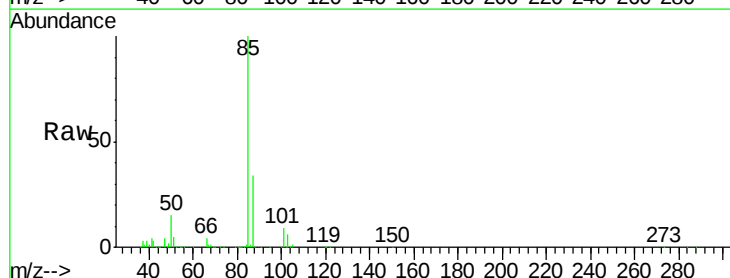
Acq: 3 Apr 2021 11:05

Tgt Ion: 85 Resp: 1323683

Ion Ratio Lower Upper

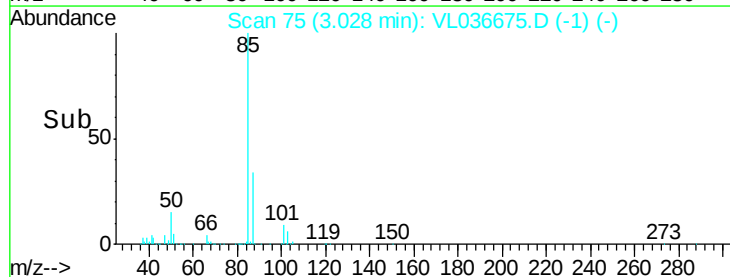
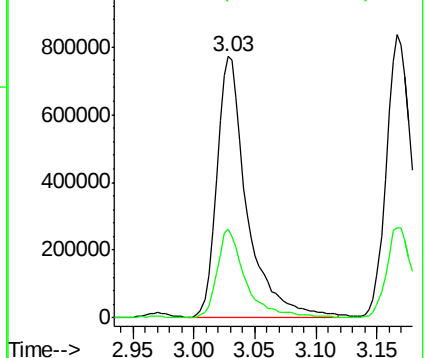
85 100

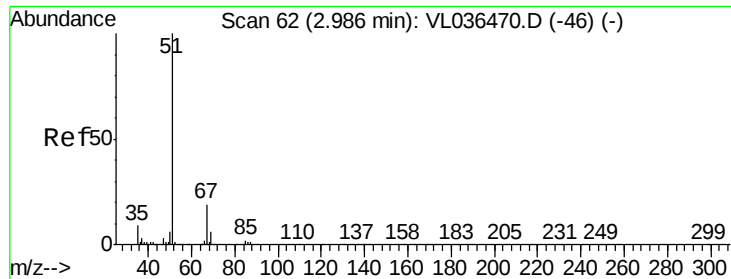
87 34.1 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.450 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Tot Ion: 51 Resp: 1730843

Ion Ratio Lower Upper

51 100

67 18.0 14.7 22.1

Instrument :

MSVOA_L

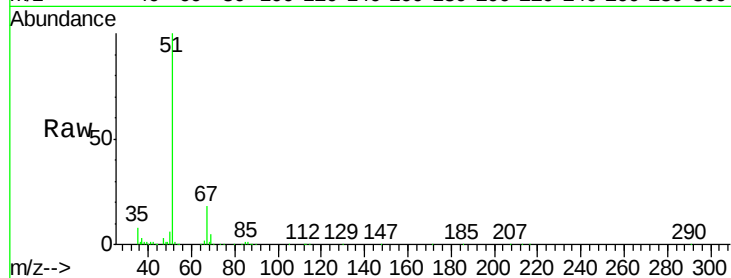
ClientSampleId :

VSTDCCC010EC

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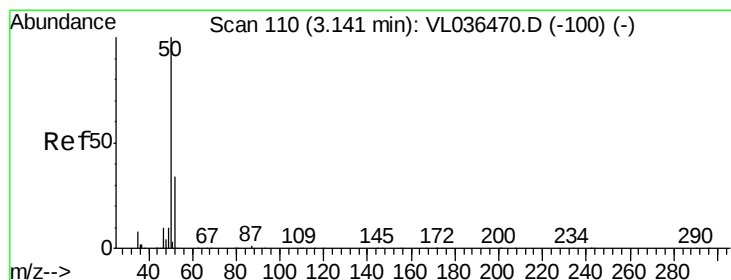
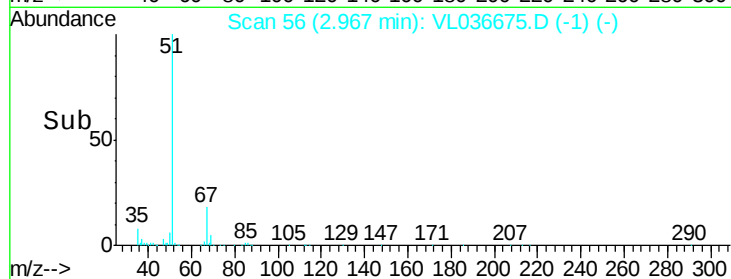
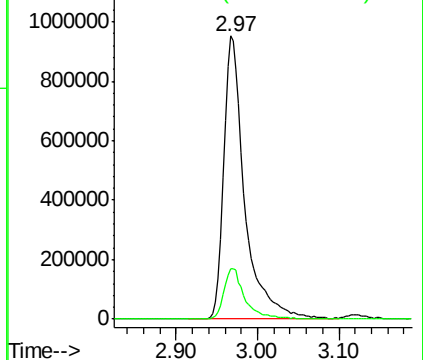
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 7.606 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.02 min

Lab File: VL036675.D

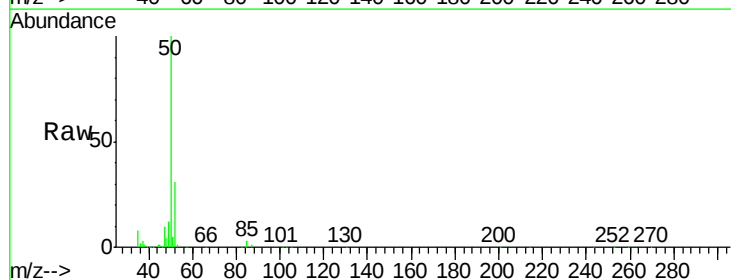
Acq: 3 Apr 2021 11:05

Tgt Ion: 50 Resp: 550314

Ion Ratio Lower Upper

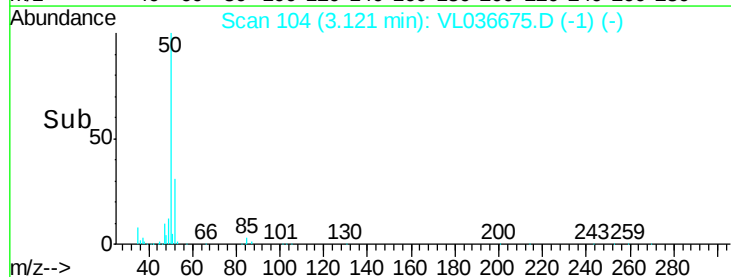
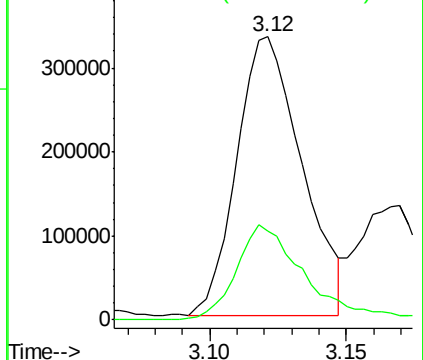
50 100

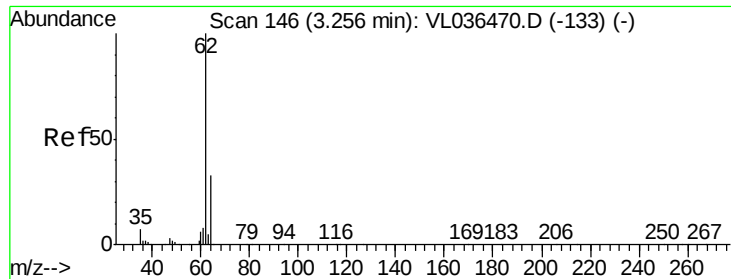
52 31.2 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.539 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.02 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 560867

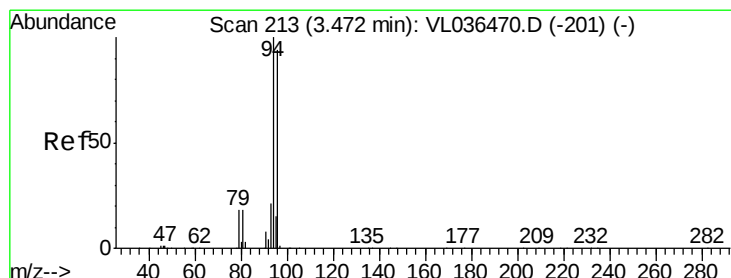
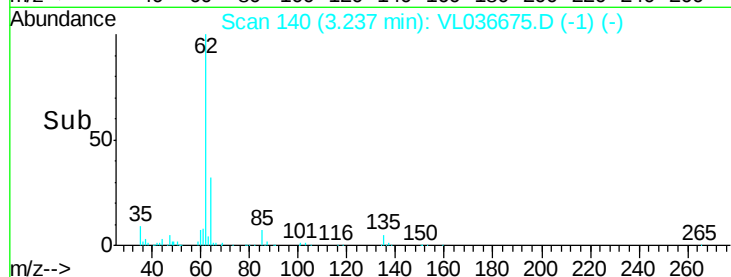
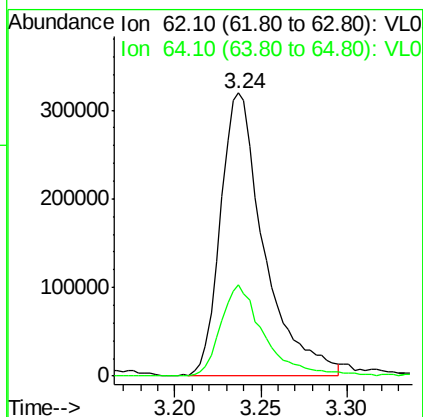
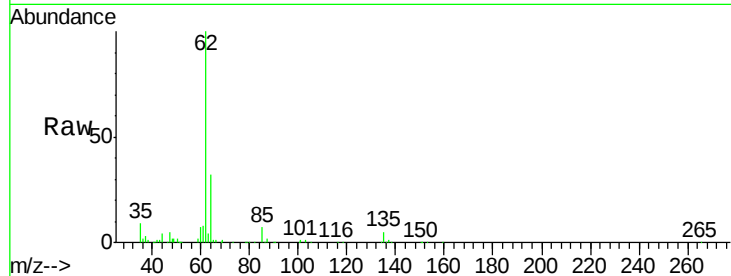
Ion Ratio Lower Upper

62 100

64 32.4 26.4 39.6

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#6

Bromomethane

Concen: 7.633 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.02 min

Lab File: VL036675.D

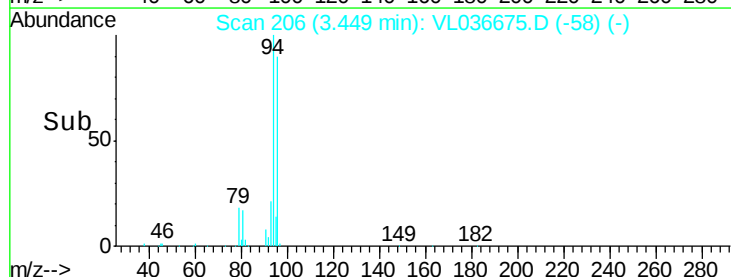
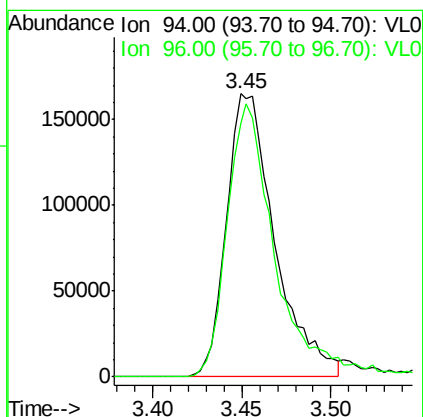
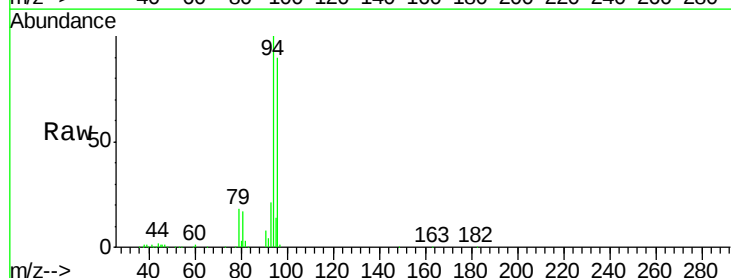
Acq: 3 Apr 2021 11:05

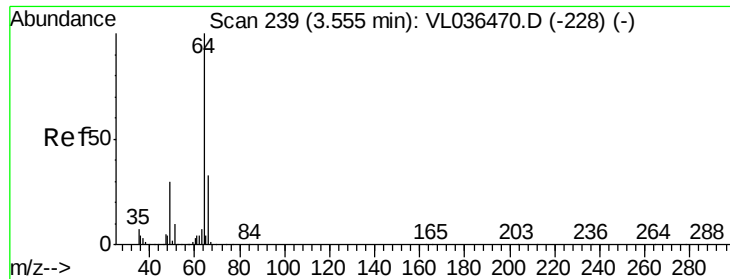
Tgt Ion: 94 Resp: 312656

Ion Ratio Lower Upper

94 100

96 89.5 74.9 112.3





#7

Chloroethane

Concen: 7.649 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.02 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 195537

Ion Ratio Lower Upper

64 100

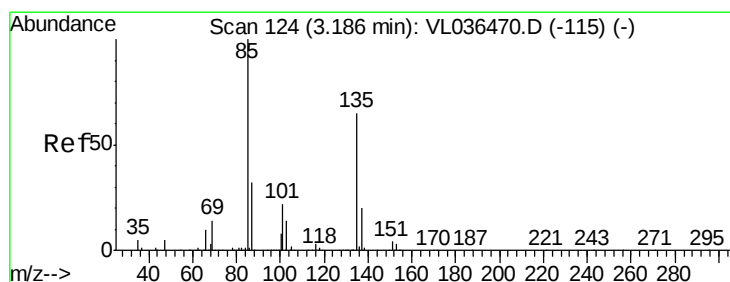
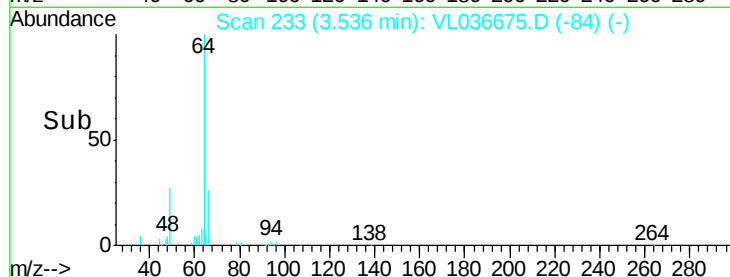
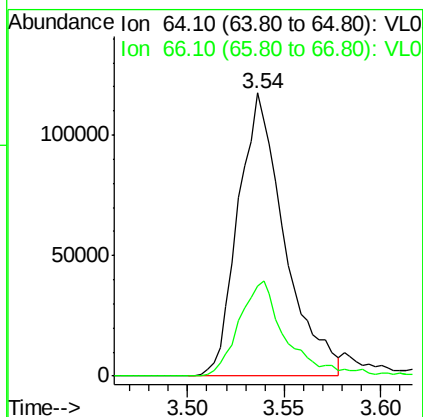
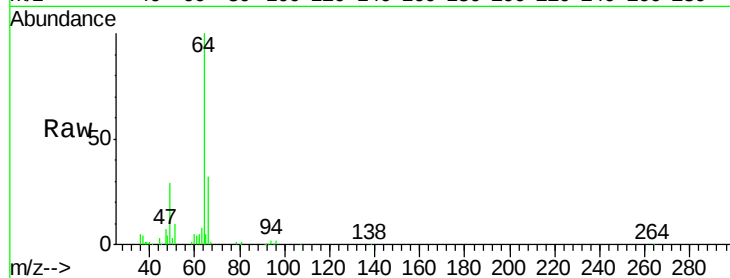
66 31.6 26.2 39.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 7.944 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL036675.D

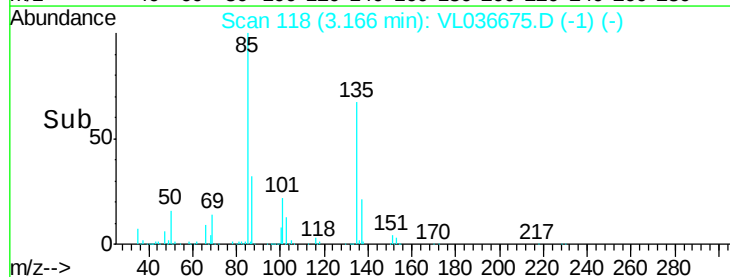
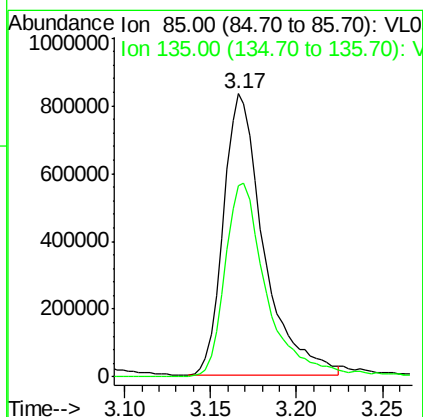
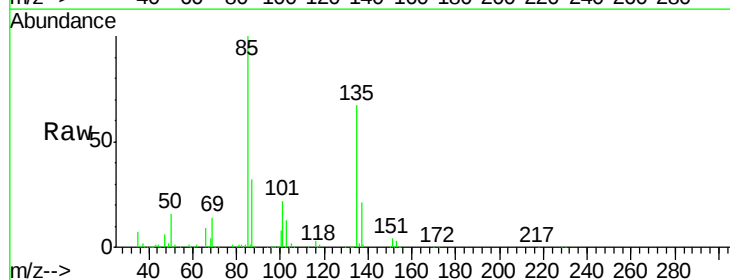
Acq: 3 Apr 2021 11:05

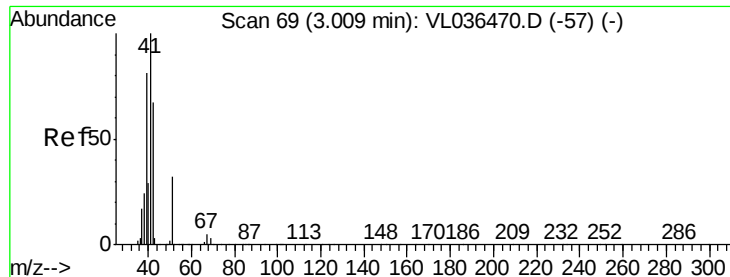
Tgt Ion: 85 Resp: 1355781

Ion Ratio Lower Upper

85 100

135 72.7 54.3 81.5





#9

Propene

Concen: 8.159 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL036675.D

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Tot Ion: 41 Resp: 532811

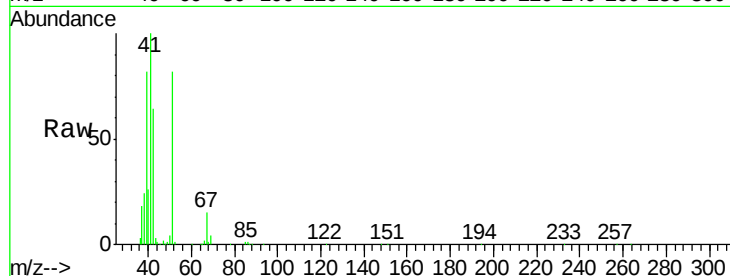
Ion Ratio Lower Upper

41 100

42 69.2 57.0 85.4

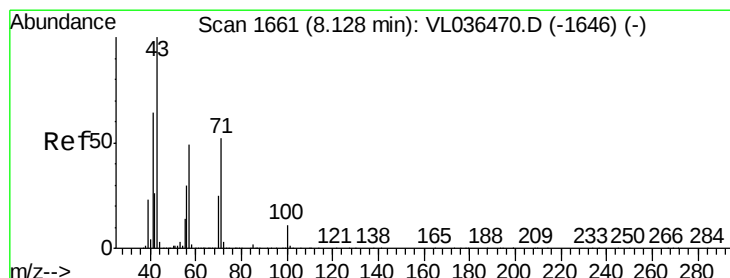
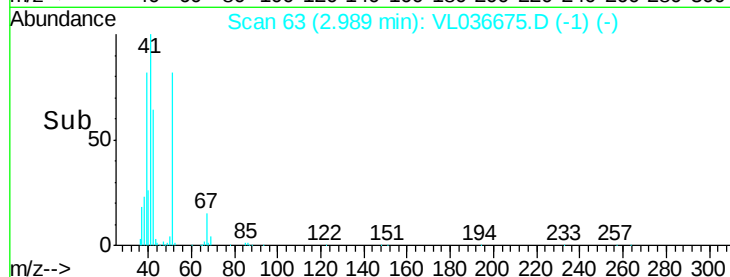
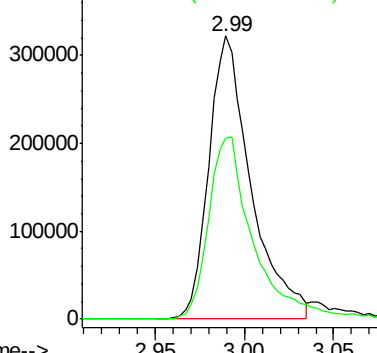
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.381 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.03 min

Lab File: VL036675.D

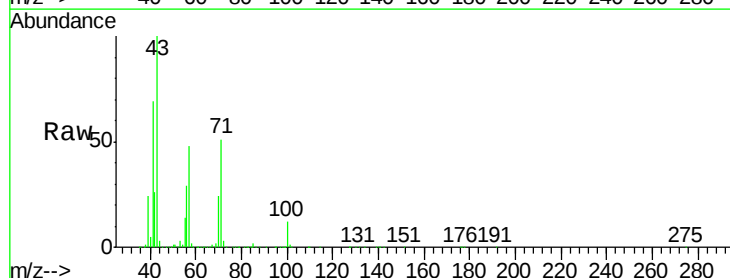
Acq: 3 Apr 2021 11:05

Tgt Ion: 43 Resp: 1394252

Ion Ratio Lower Upper

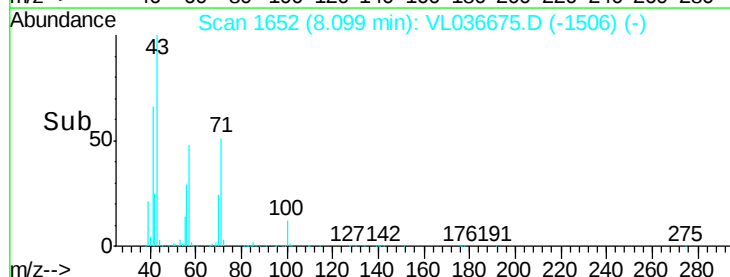
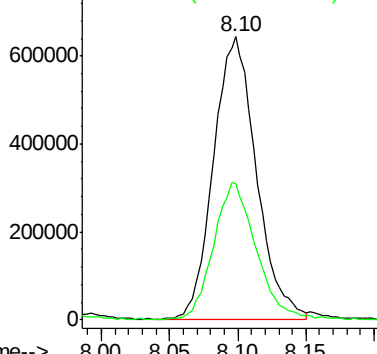
43 100

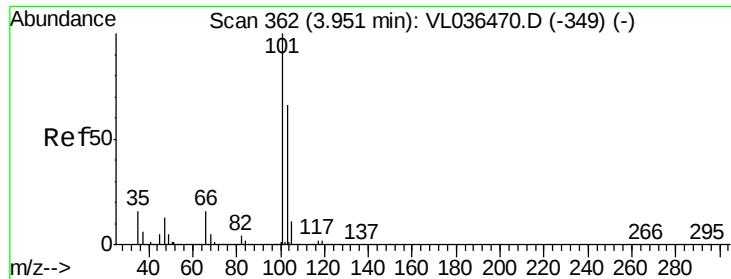
57 49.0 39.0 58.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





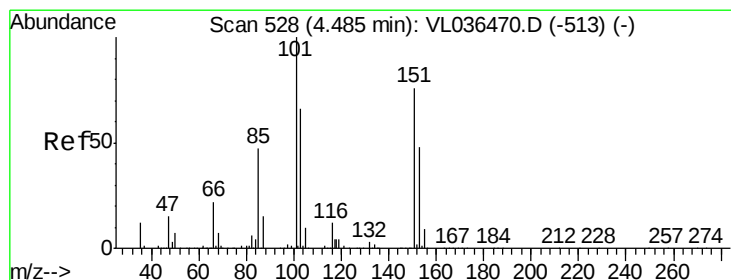
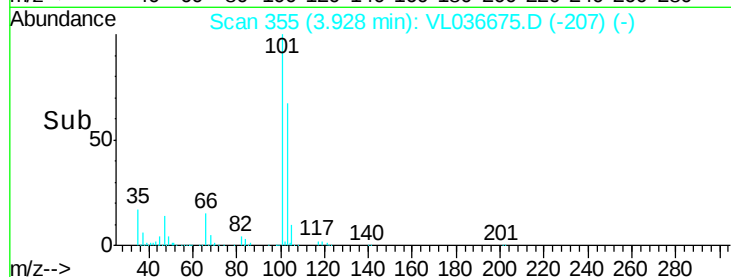
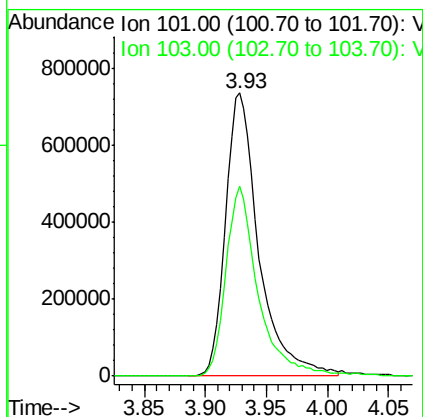
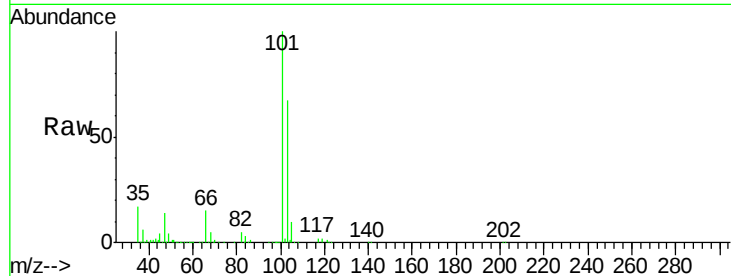
#11
 Trichlorofluoromethane
 Concen: 7.722 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1407174
 Ion Ratio Lower Upper
 101 100
 103 67.3 52.5 78.7

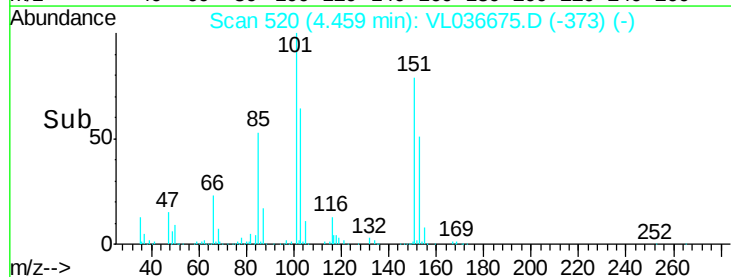
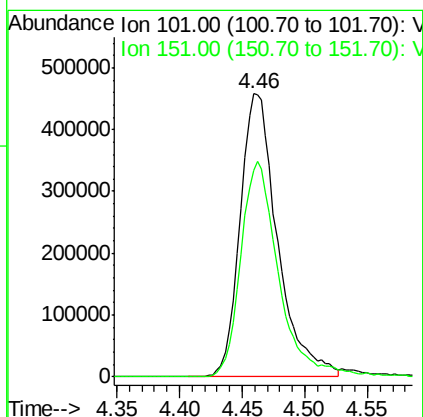
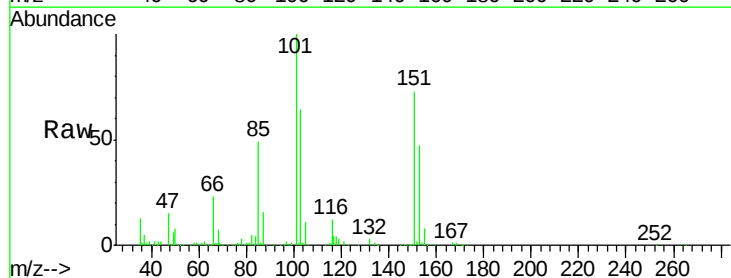
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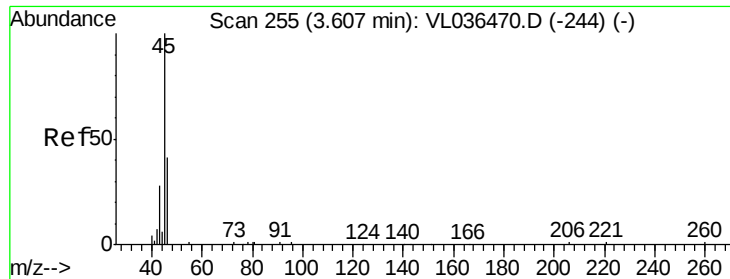
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.162 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Tgt Ion:101 Resp: 950965
 Ion Ratio Lower Upper
 101 100
 151 77.7 60.9 91.3





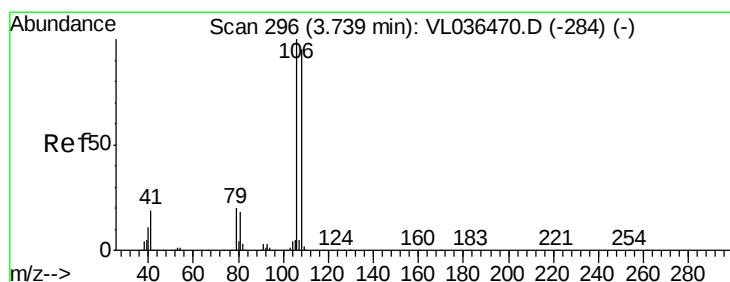
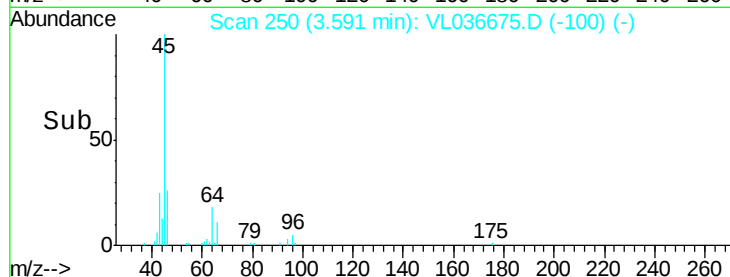
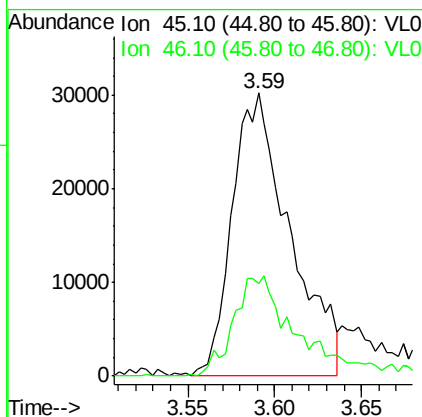
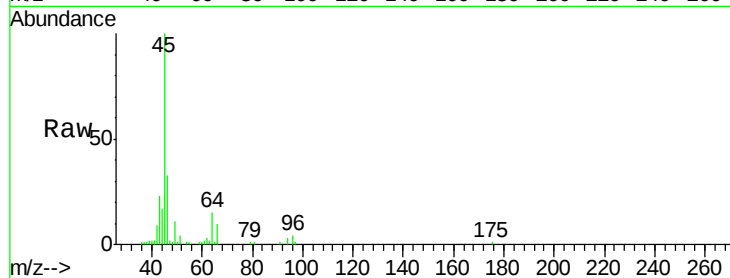
#13
Ethanol
Concen: 8.963 ppbv m
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	46	Ratio	100	39.8	Resp	69702	Lower	Upper
45	100								
46		39.8					16.6		66.2

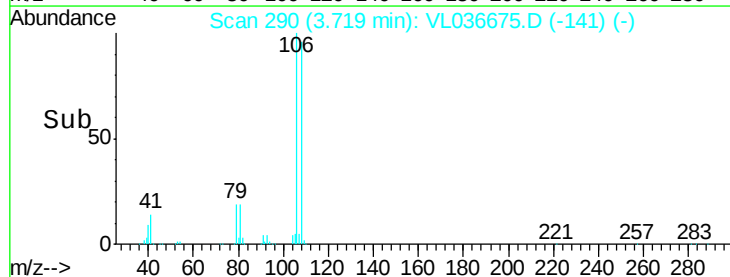
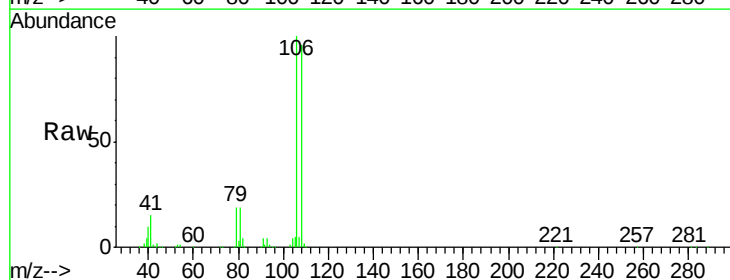
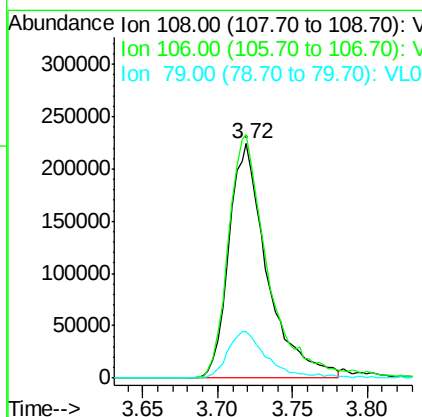
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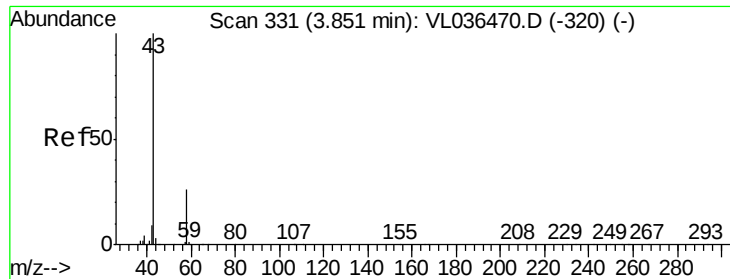
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#14
Bromoethene
Concen: 8.230 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.02 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion	108	106	79	Ratio	100	109.3	21.2	Resp	398646	Lower	Upper
108	100										
106		109.3						89.0		133.6	
79			21.2					16.6		25.0	





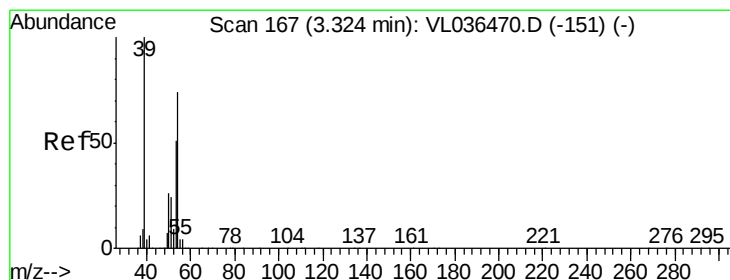
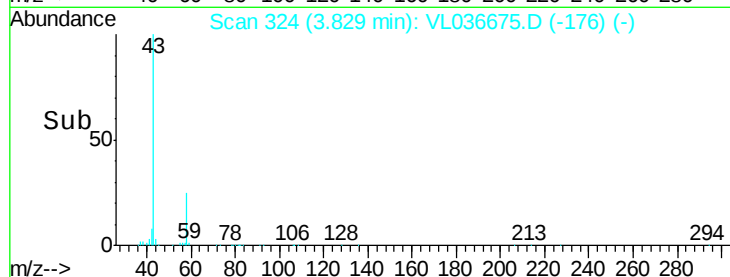
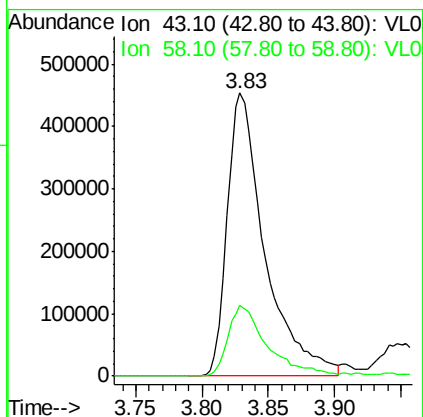
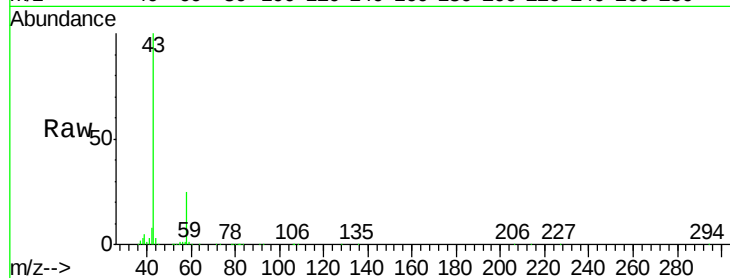
#15
Acetone
Concen: 8.297 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.02 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.2	31.8

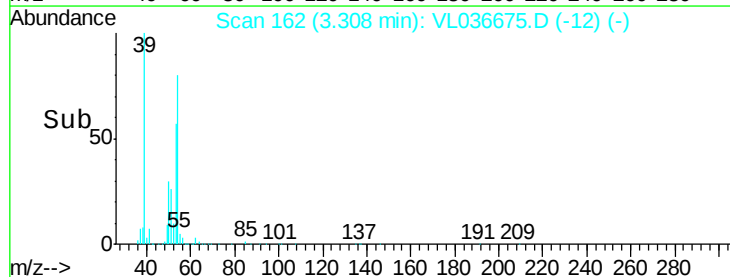
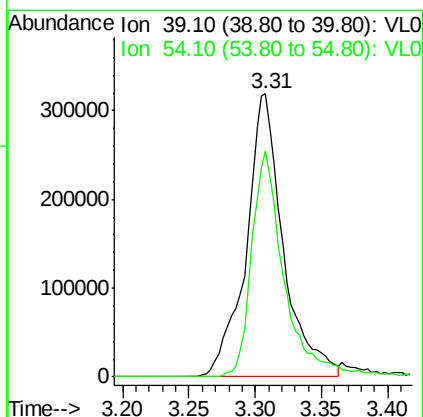
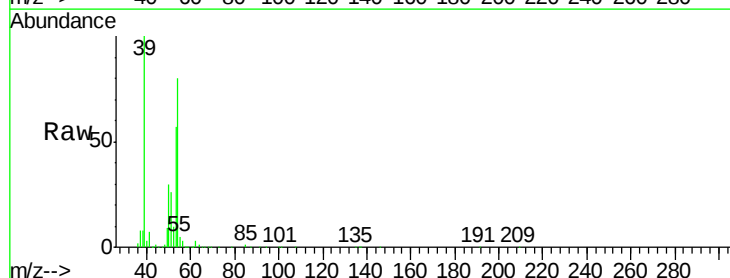
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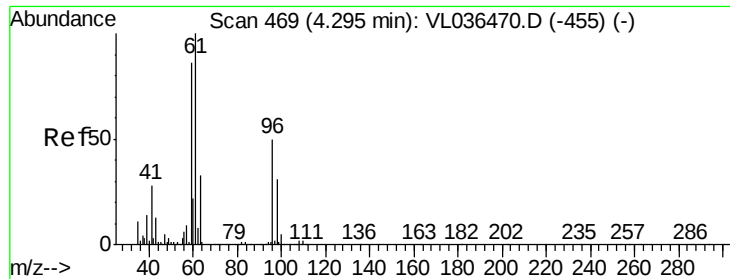
MMDadoda
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#16
1,3-Butadiene
Concen: 8.246 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.02 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion	Ratio	Lower	Upper
39	100		
54	71.0	58.8	88.2





#17

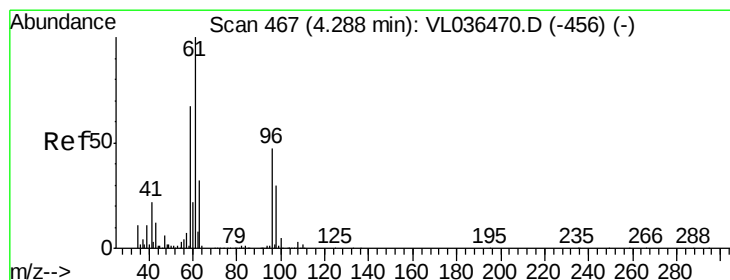
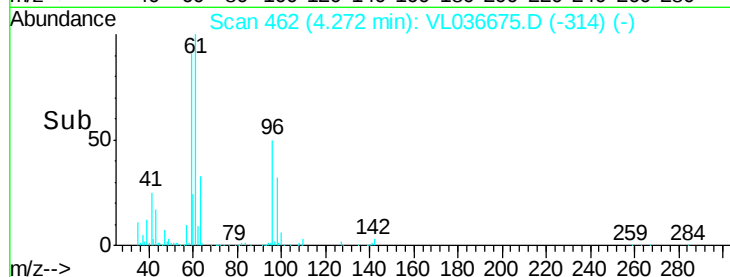
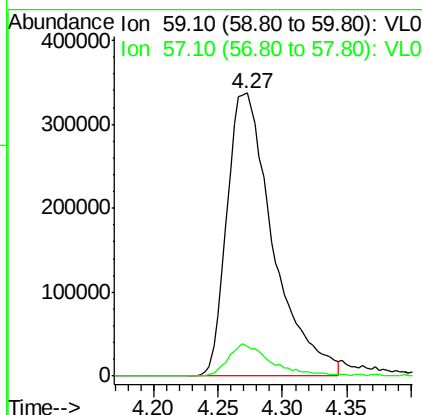
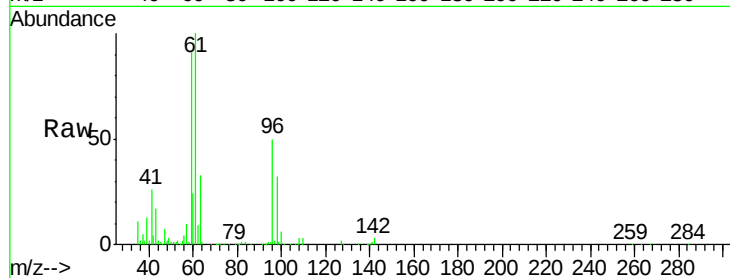
tert-Butyl alcohol
Concen: 8.942 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.02 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Manual Integrations
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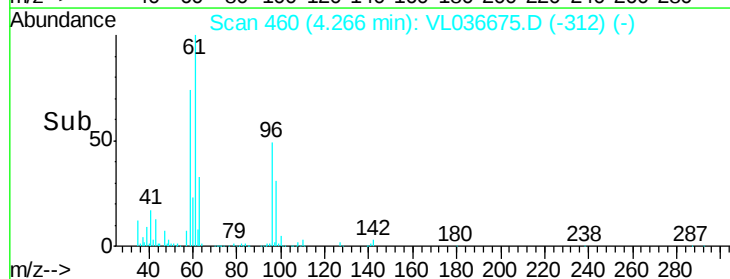
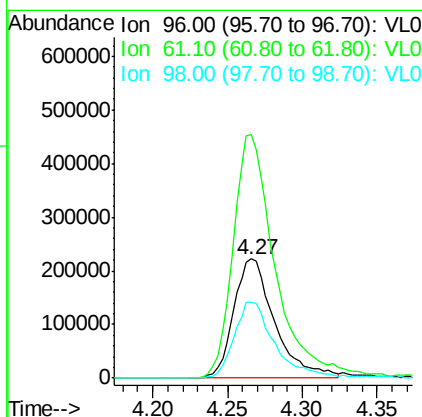
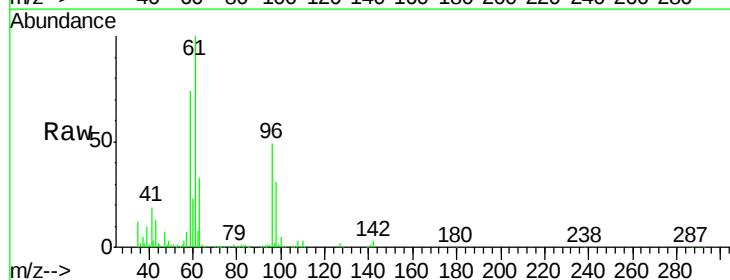
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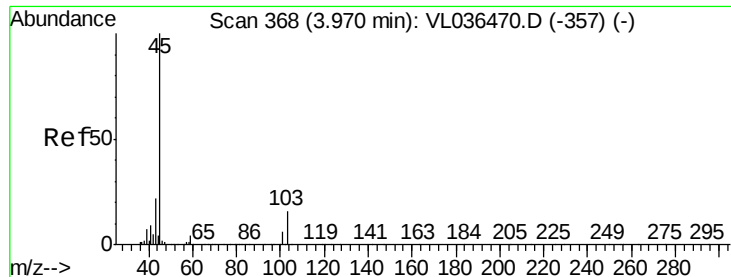


#18

1,1-Dichloroethene
Concen: 8.166 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.02 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	204.0	168.6	253.0
98	63.7	50.8	76.2





#19

Isopropyl Alcohol

Concen: 7.668 ppbv m

RT: 3.94 min Scan# 360

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 455188

Ion Ratio Lower Upper

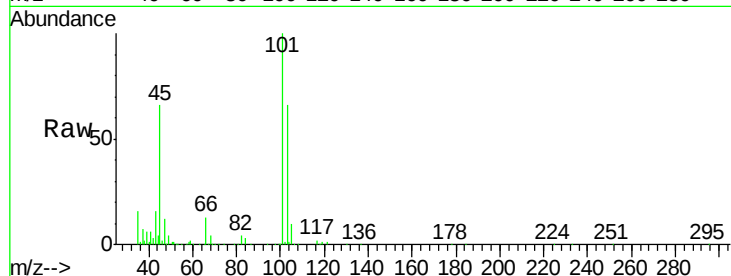
45 100

58 0.0 2.9 4.3#

Manual Integrations
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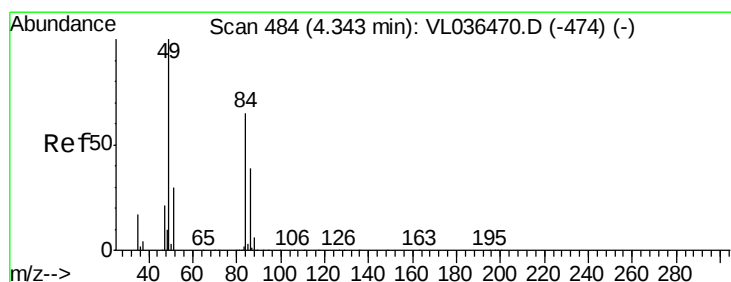
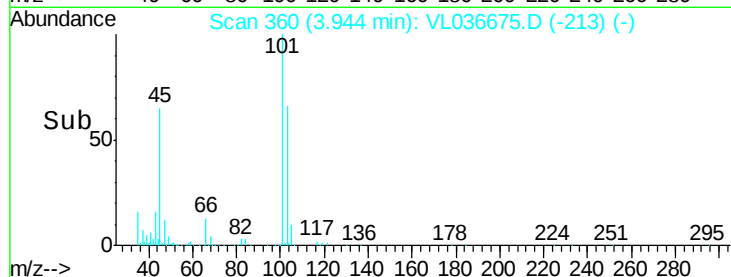
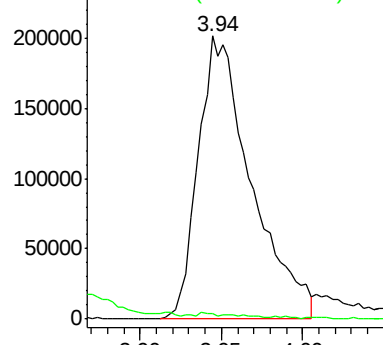
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.287 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Tgt Ion: 84 Resp: 368146

Ion Ratio Lower Upper

84 100

49 168.0 122.9 184.3

51 53.7 36.9 55.3

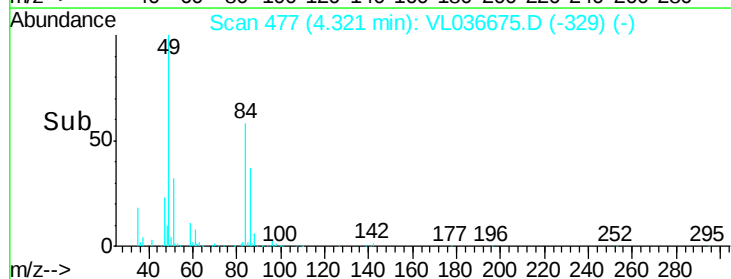
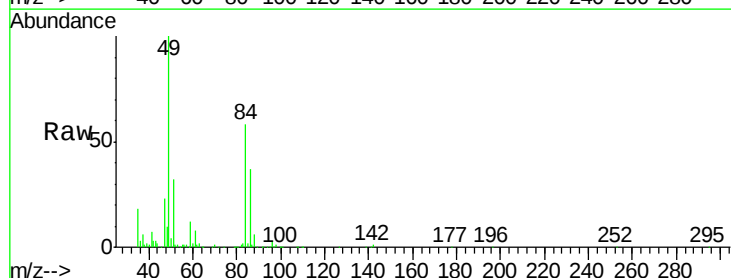
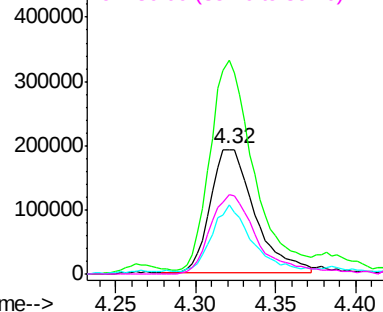
86 63.8 48.2 72.4

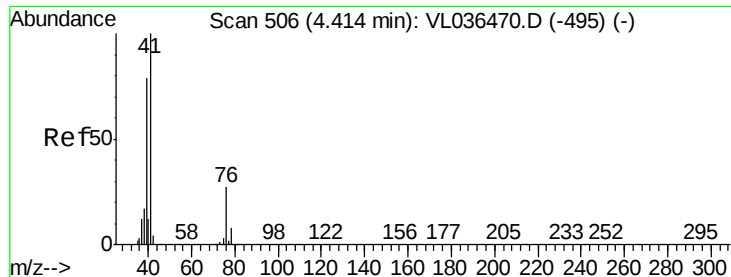
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 8.048 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

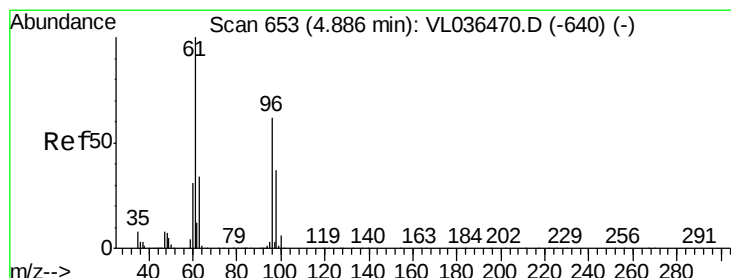
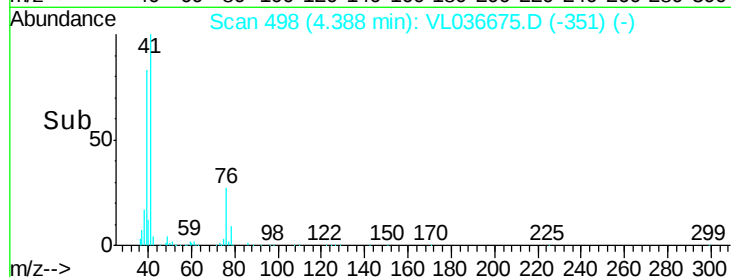
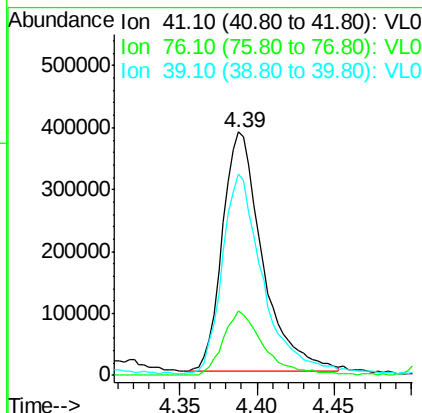
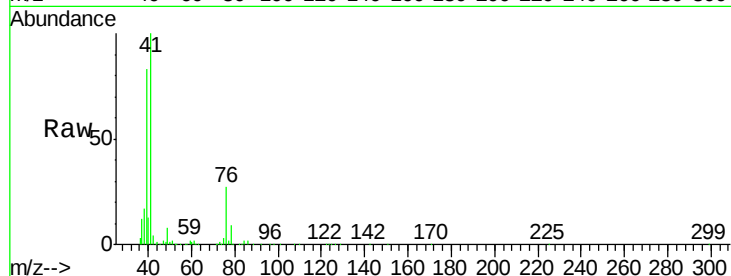
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	692288
Ion Ratio	Lower	Upper	
41	100		
76	27.9	22.9	34.3
39	86.2	67.3	100.9

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 8.771 ppbv

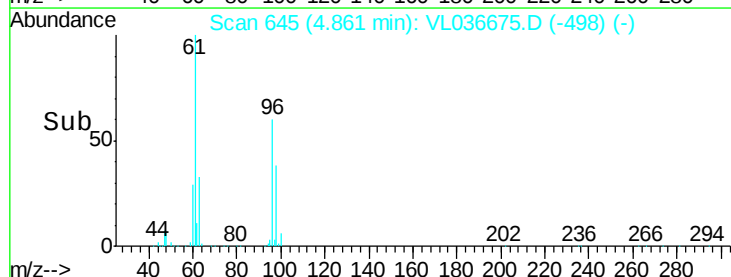
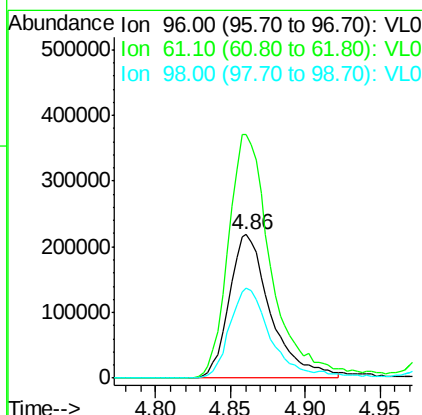
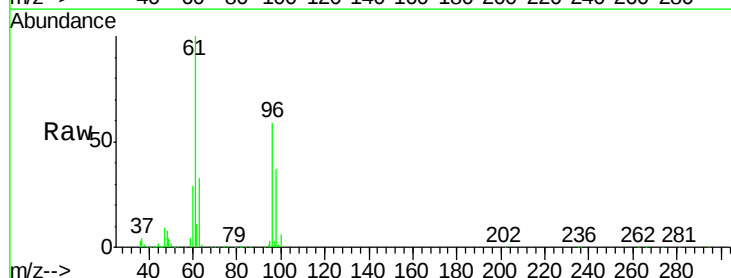
RT: 4.86 min Scan# 645

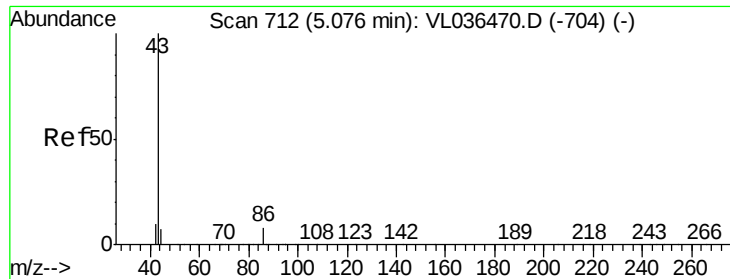
Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Tgt Ion:	96	Resp:	421421
Ion Ratio	Lower	Upper	
96	100		
61	169.3	129.4	194.0
98	62.9	48.2	72.4





#23

Vinyl Acetate

Concen: 9.167 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1691959

Ion Ratio Lower Upper

43 100

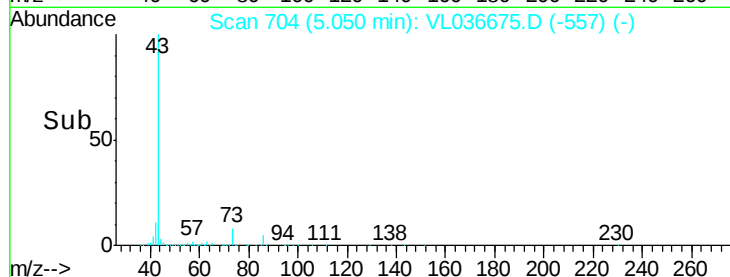
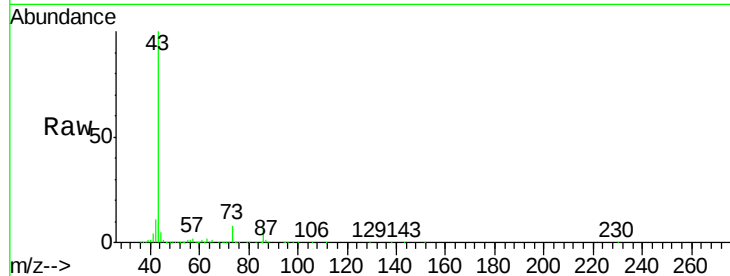
86 5.5 5.4 8.0

42 10.7 8.5 12.7

44 4.4 4.6 7.0#

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4/5/2021 6:46:48 PM

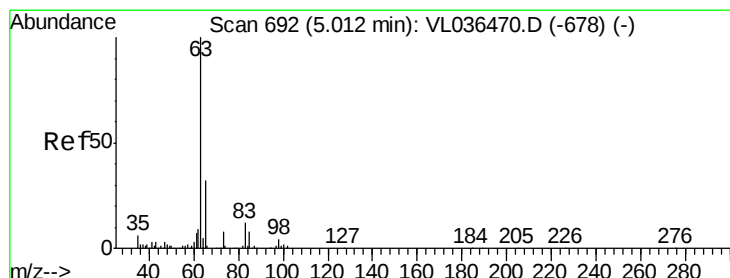
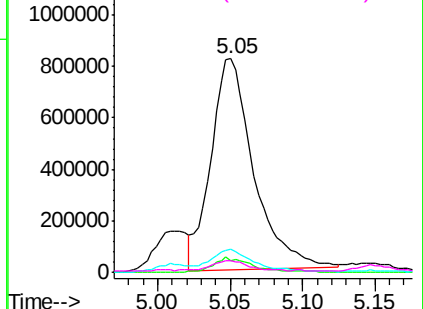


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.073 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

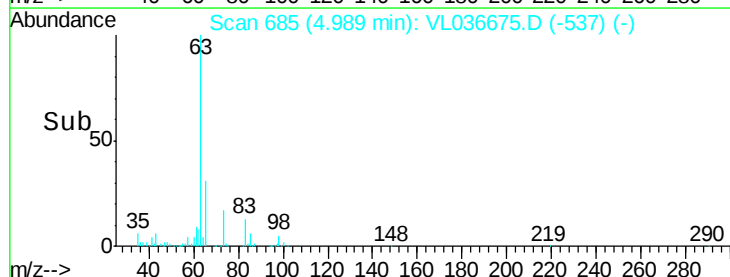
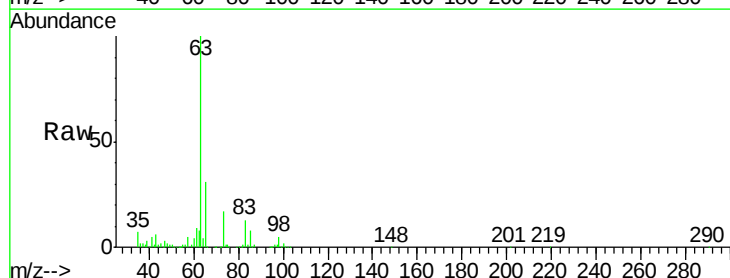
Tgt Ion: 63 Resp: 1086143

Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.2

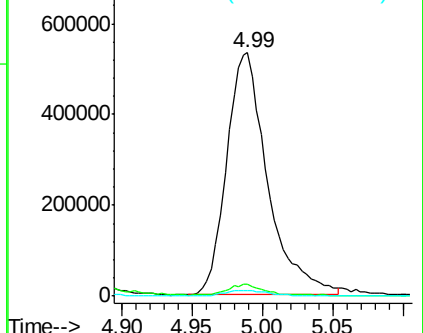
100 2.3 0.9 2.8

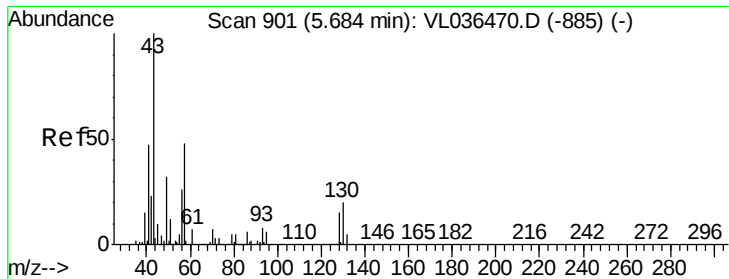


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





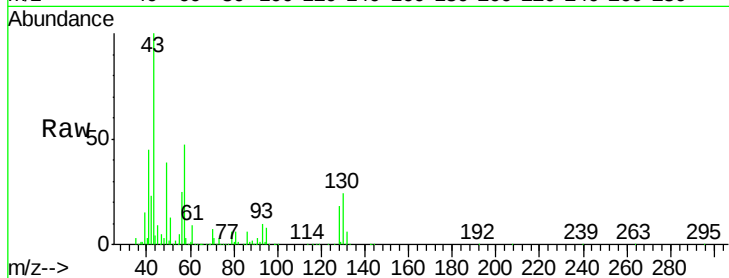
#25
Ethyl Acetate
Concen: 8.259 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

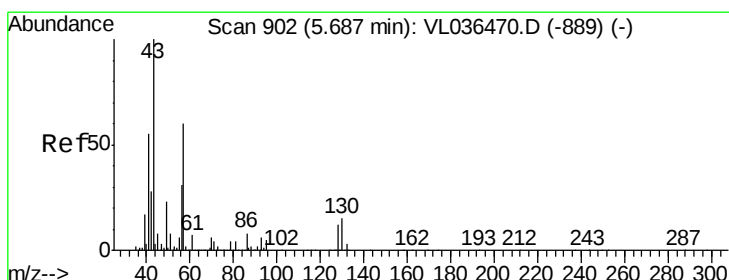
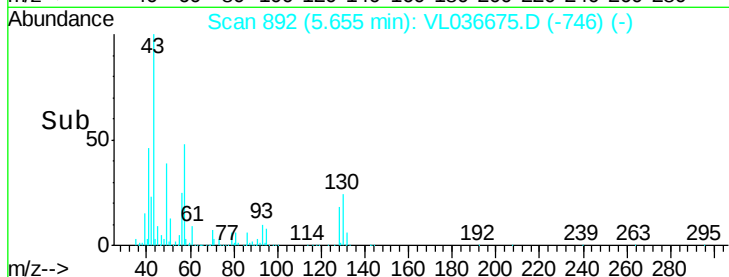
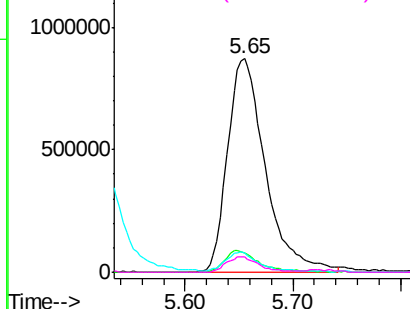
Tot Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.9	11.9
61	8.8	7.4	11.2
70	6.5	5.1	7.7

Manual Integrations
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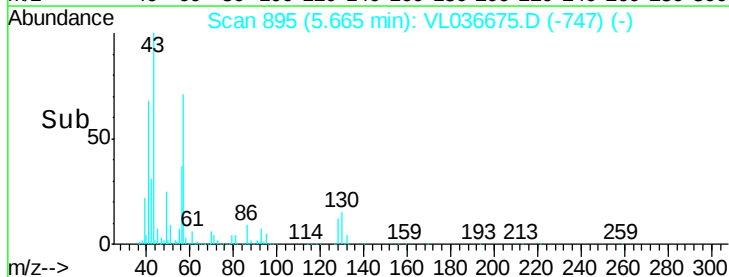
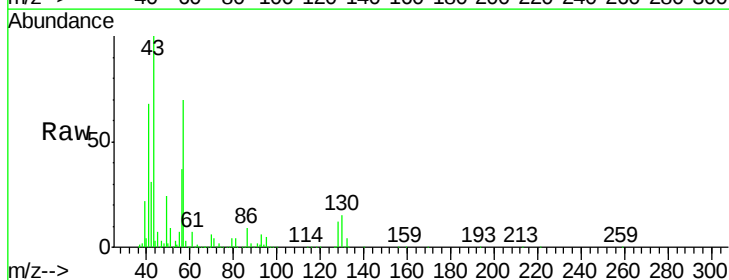
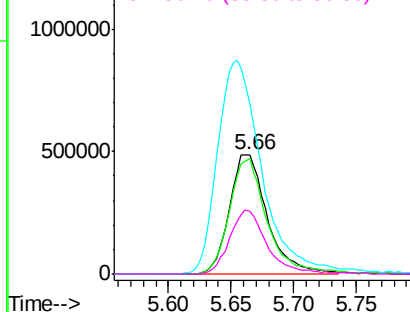
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

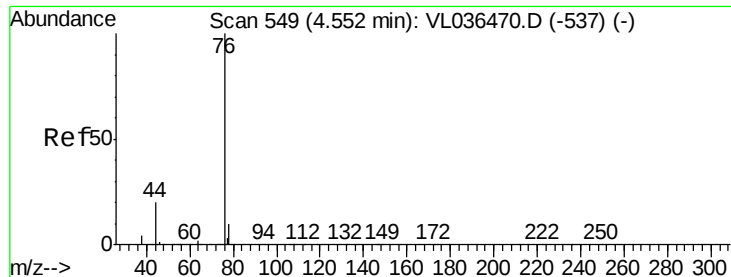


#26
Hexane
Concen: 8.609 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion	Ratio	Lower	Upper
57	100		
41	97.5	77.2	115.8
43	211.1	173.8	260.6
56	53.1	43.8	65.6

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: 8.078 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

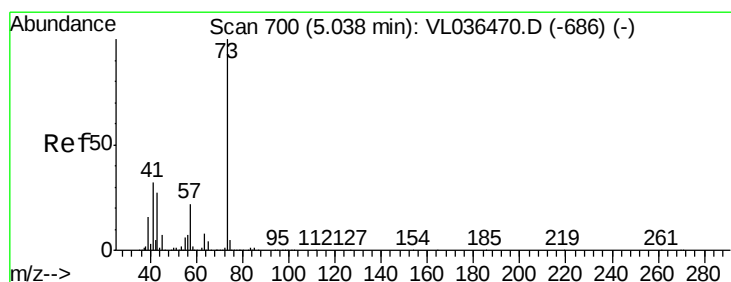
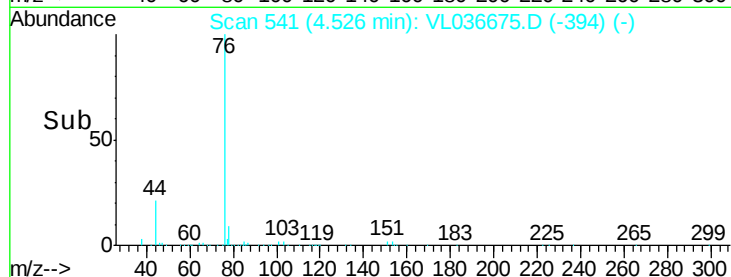
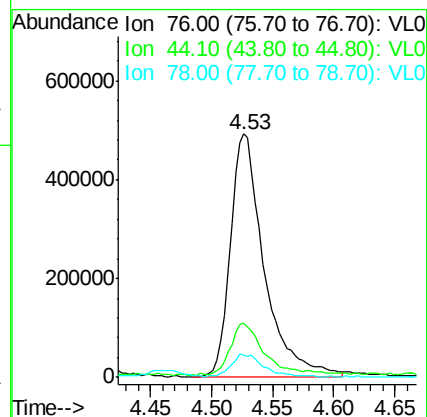
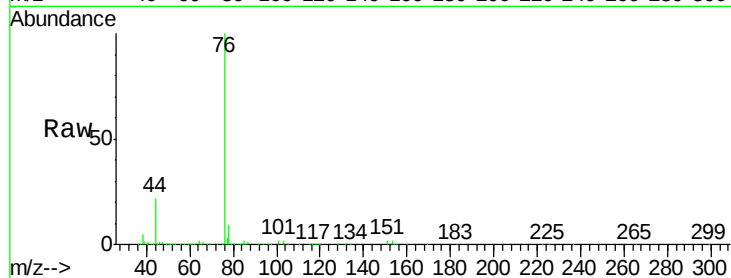
ClientSampleId :

VSTDCCC010EC

Tot Ion:	76	Resp:	947316
Ion Ratio	Lower	Upper	
76	100		
44	22.0	17.5	26.3
78	9.4	8.6	13.0

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#28

Methyl tert-Butyl Ether

Concen: 8.861 ppbv

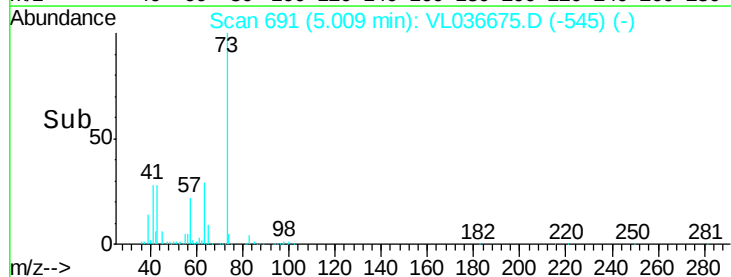
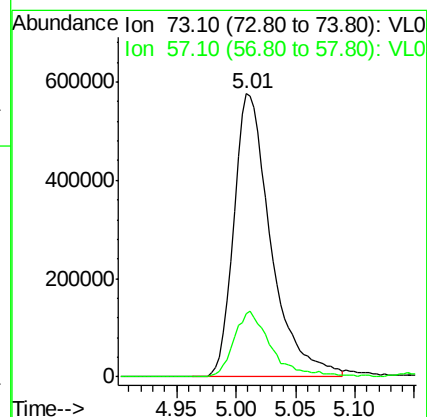
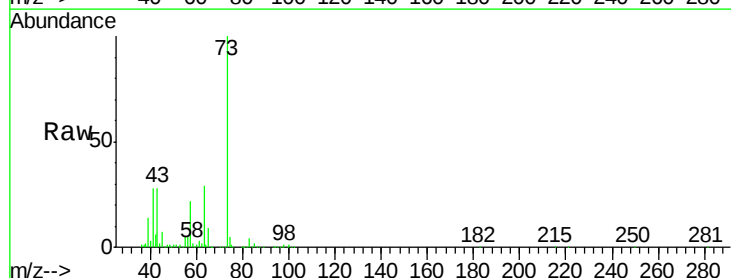
RT: 5.01 min Scan# 691

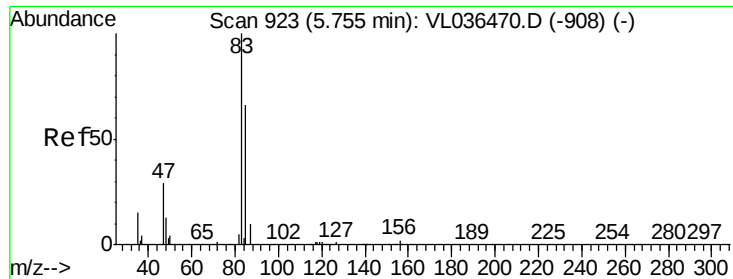
Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Tgt Ion:	73	Resp:	1244073
Ion Ratio	Lower	Upper	
73	100		
57	23.5	18.5	27.7





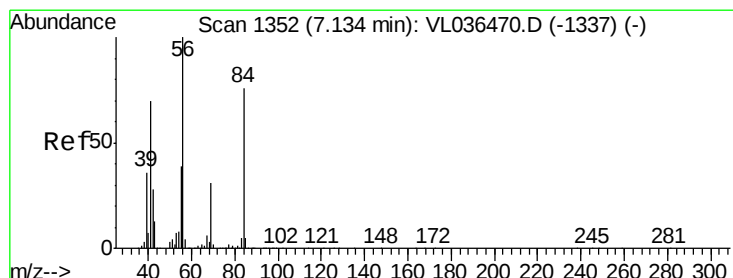
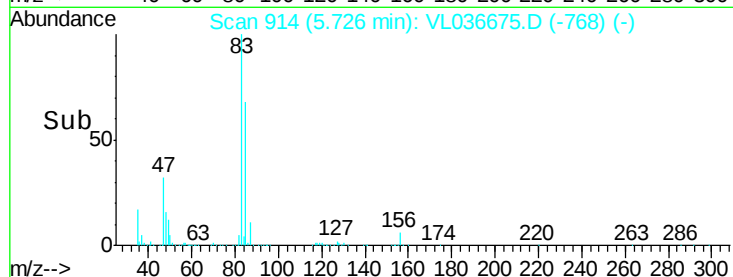
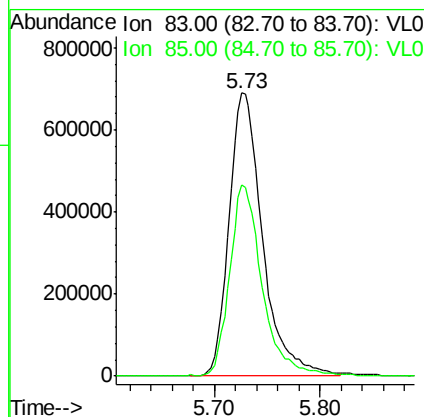
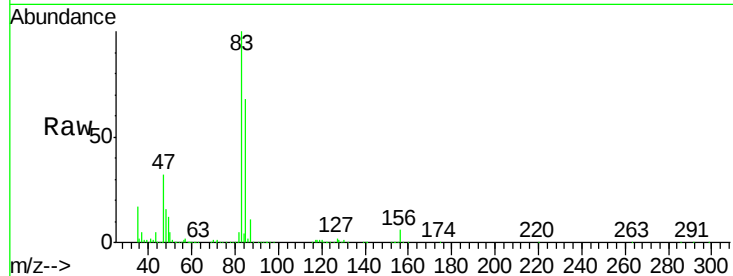
#29
Chloroform
Concen: 7.980 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1519263
Ion Ratio Lower Upper
83 100
85 67.2 52.6 78.8

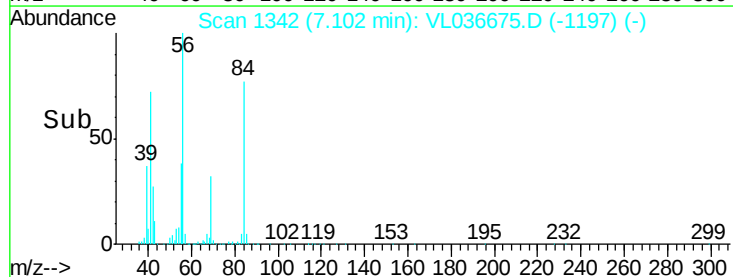
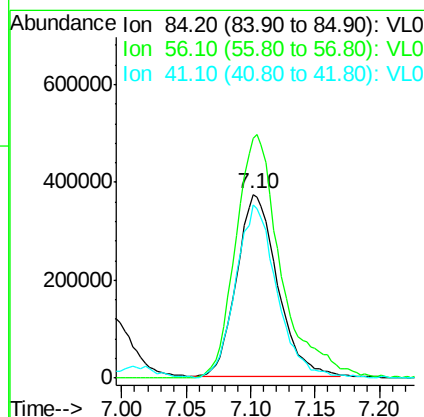
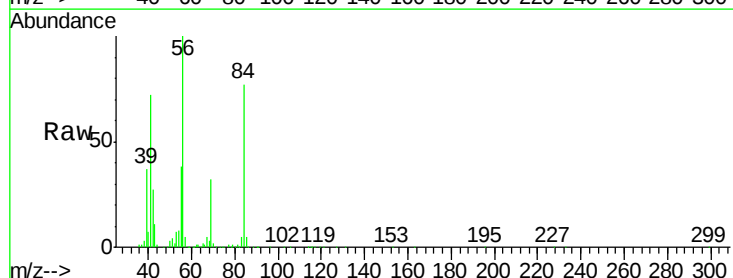
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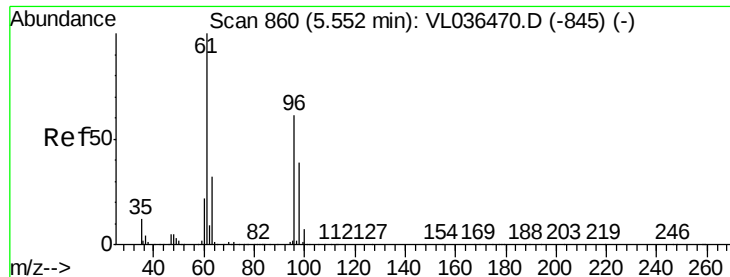
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4/5/2021 6:46:48 PM



#30
Cyclohexane
Concen: 8.508 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion: 84 Resp: 821415
Ion Ratio Lower Upper
84 100
56 148.8 114.6 171.8
41 96.3 75.3 112.9





#31

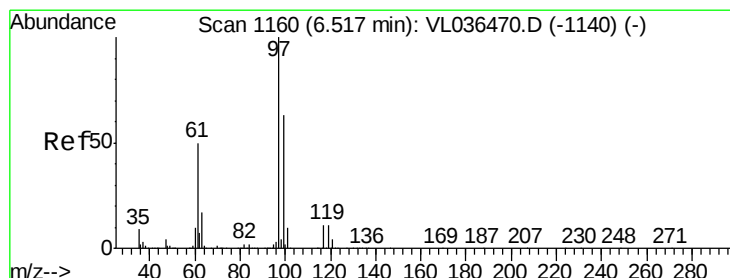
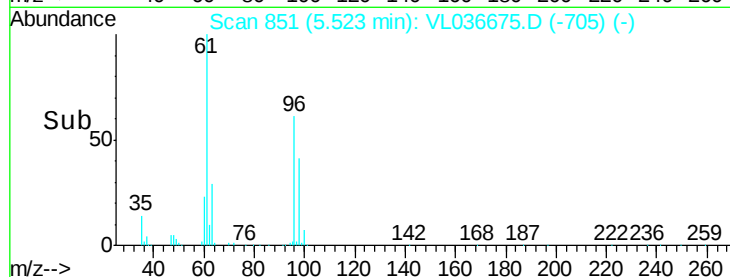
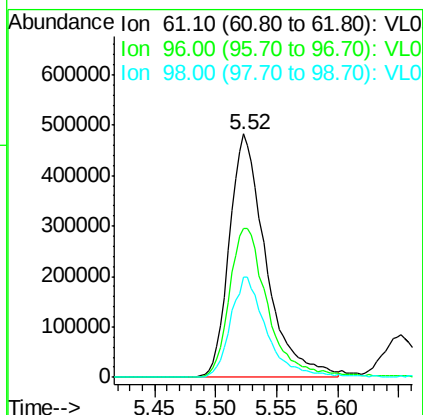
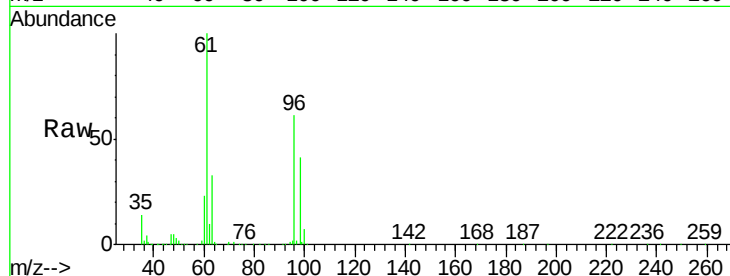
cis-1,2-Dichloroethene
Concen: 8.734 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 61 Resp: 1005743
Ion Ratio Lower Upper
61 100
96 60.9 48.7 73.1
98 41.0 31.4 47.0

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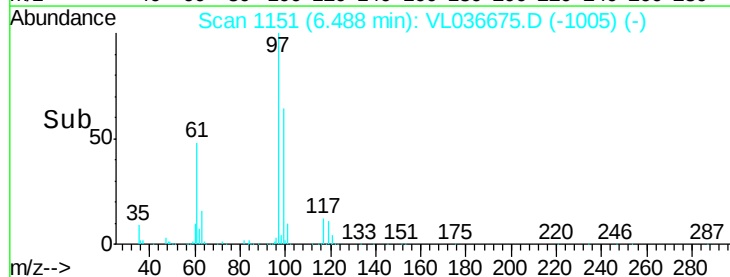
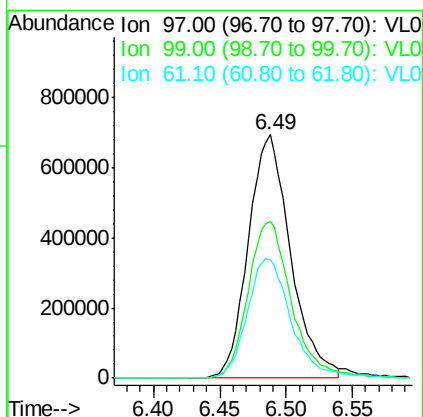
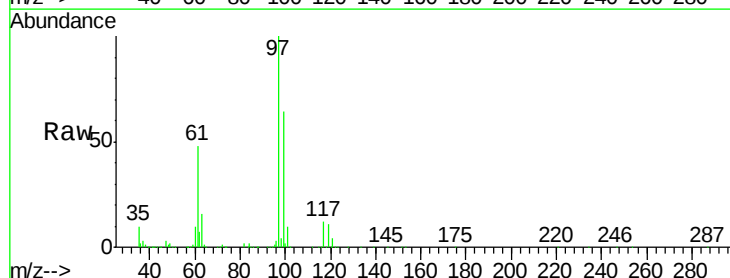
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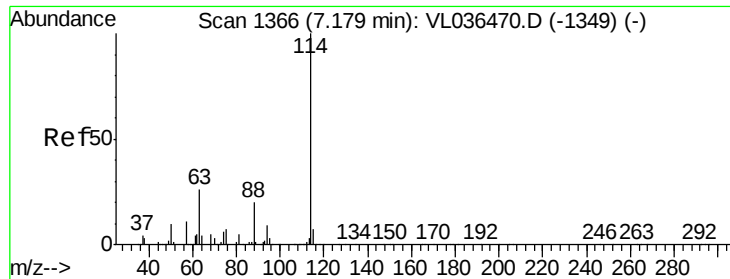


#32

1,1,1-Trichloroethane
Concen: 8.044 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion: 97 Resp: 1543505
Ion Ratio Lower Upper
97 100
99 66.3 51.4 77.0
61 51.3 40.6 60.8





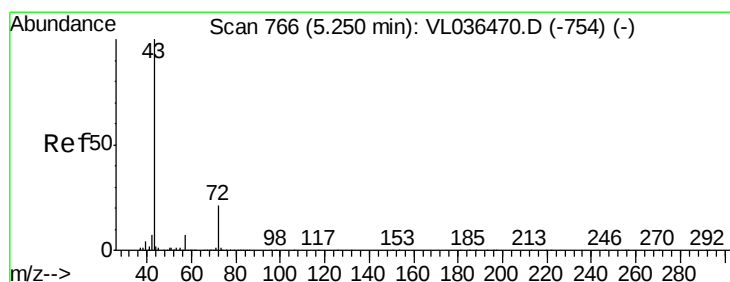
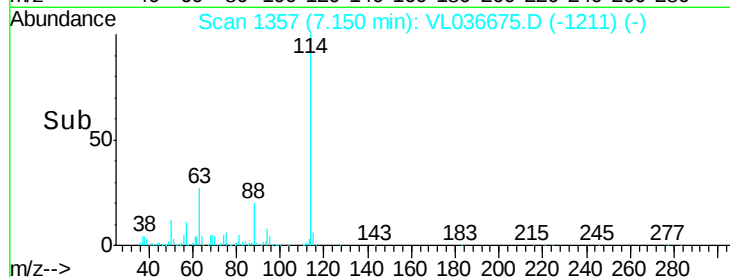
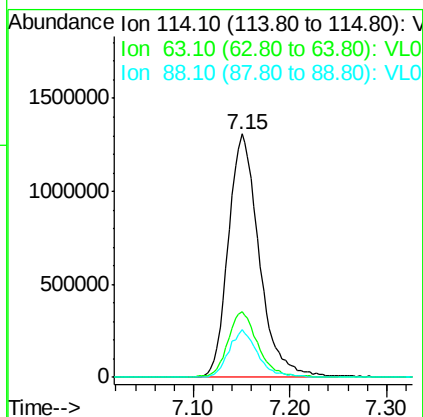
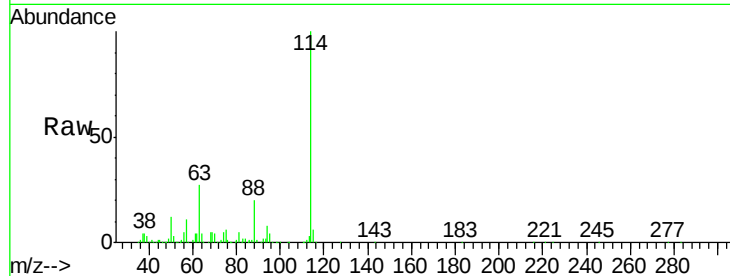
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	22.4	33.6
88	18.5	15.4	23.0

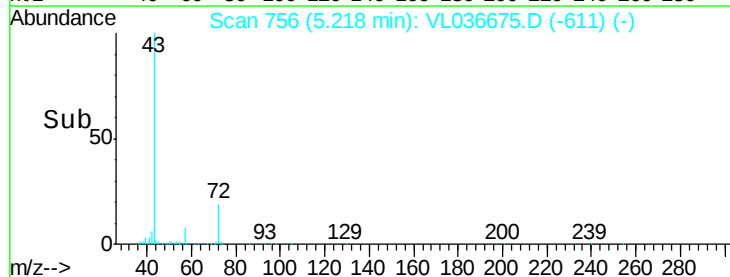
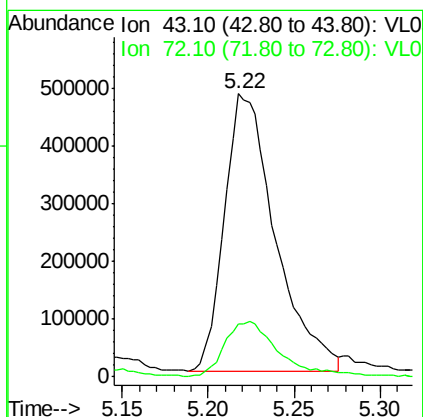
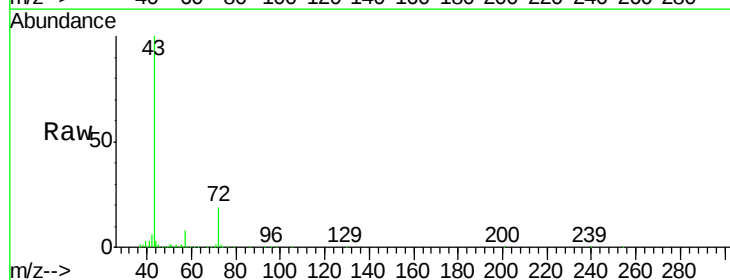
Manual Integrations
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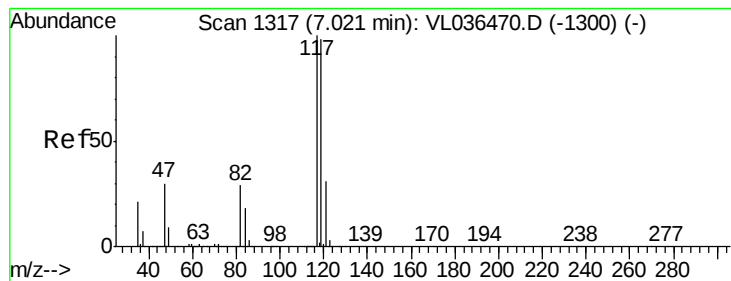
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#34
 2-Butanone
 Concen: 7.030 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.0	25.6





#35

Carbon Tetrachloride

Concen: 7.258 ppbv

RT: 6.99 min Scan# 1308

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1619404

Ion Ratio Lower Upper

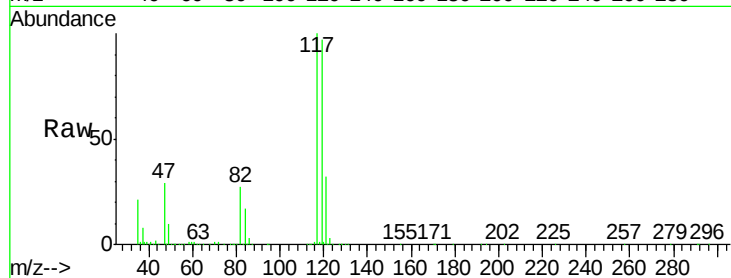
117 100

119 96.5 78.2 117.2

121 32.4 24.5 36.7

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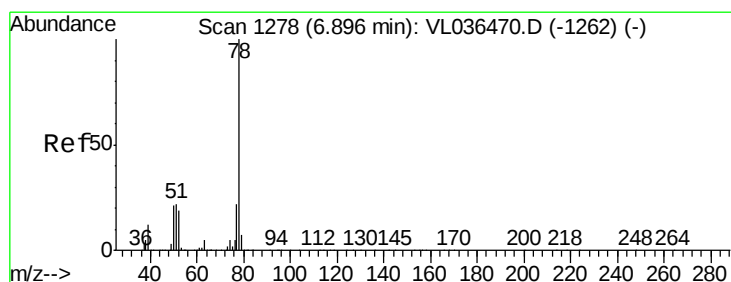
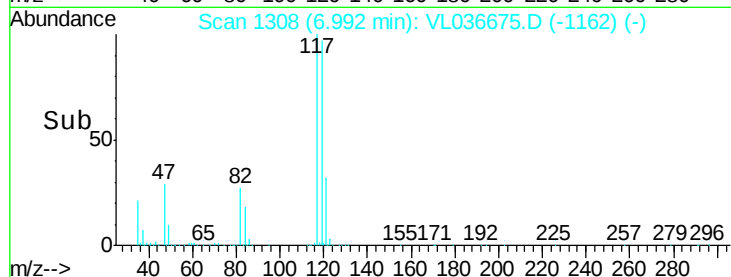
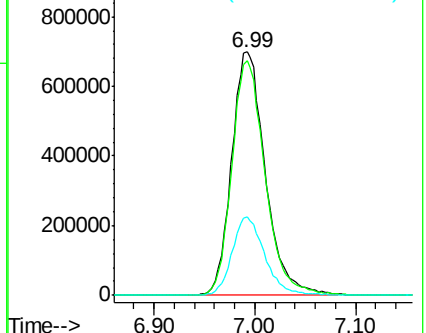
MMDadoda
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 7.595 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

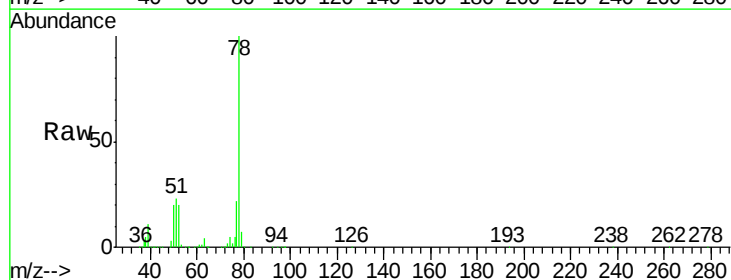
Tgt Ion: 78 Resp: 2034834

Ion Ratio Lower Upper

78 100

77 22.4 18.0 27.0

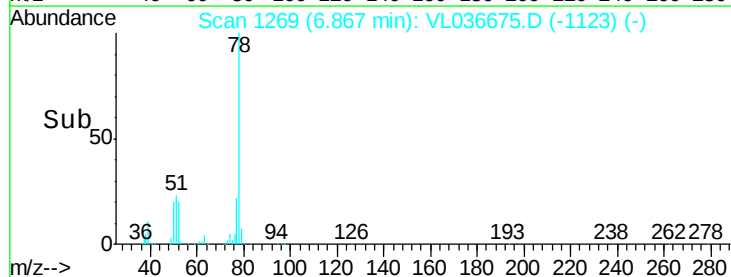
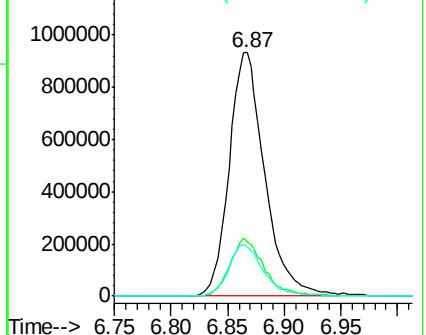
50 20.2 16.5 24.7

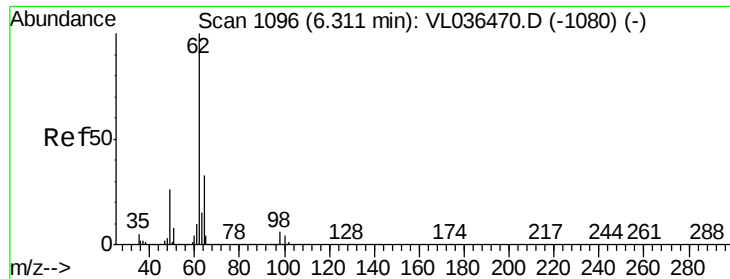


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





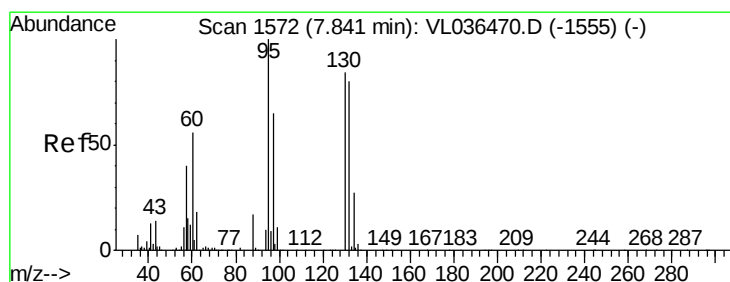
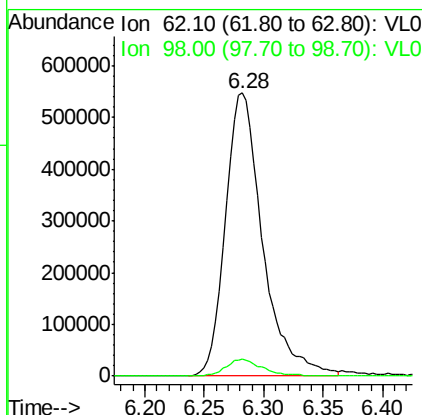
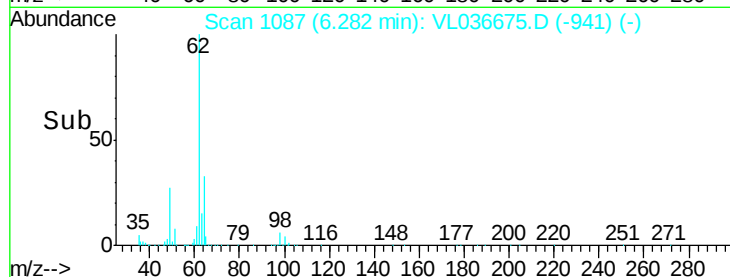
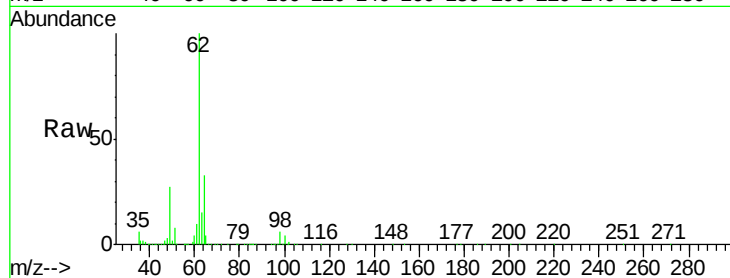
#37
 1,2-Dichloroethane
 Concen: 7.527 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.9	7.3

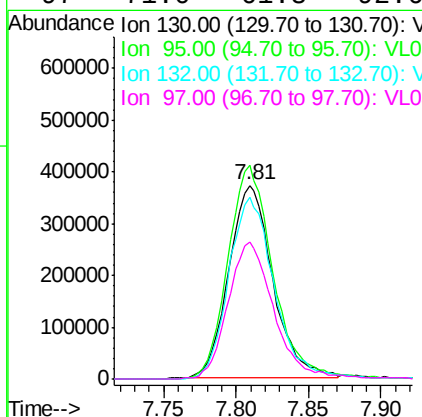
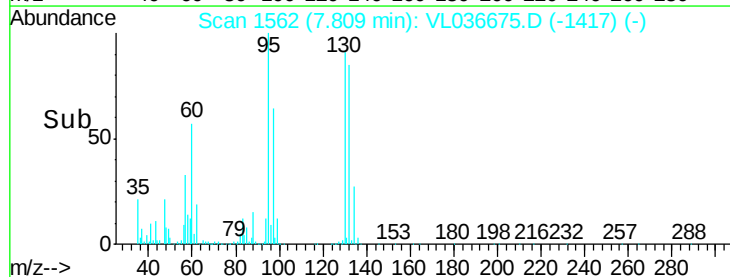
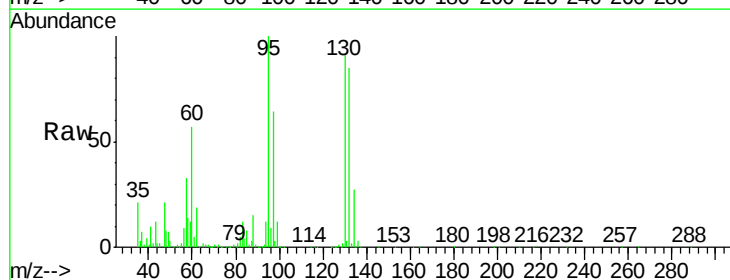
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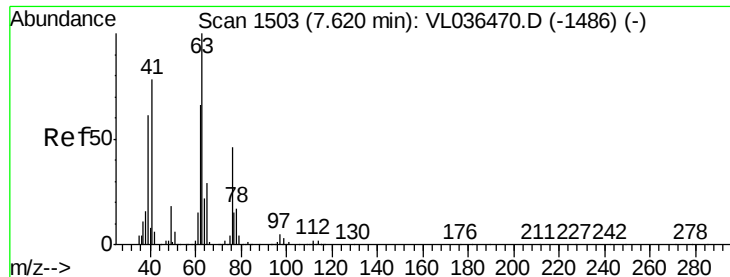
MMDadoda
 4/5/2021 6:46:48 PM



#38
 Trichloroethene
 Concen: 7.451 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.7	95.7	143.5
132	94.0	76.2	114.4
97	71.0	61.8	92.6





#39

1,2-Dichloropropane

Concen: 7.461 ppbv

RT: 7.59 min Scan# 1494

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

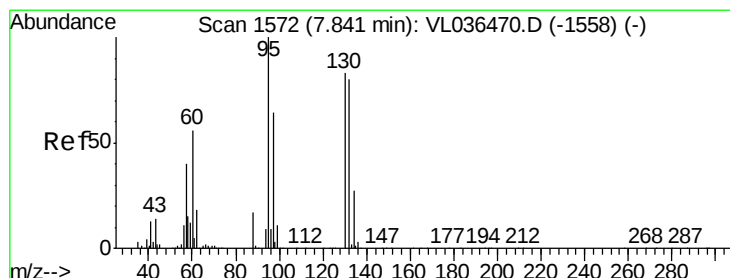
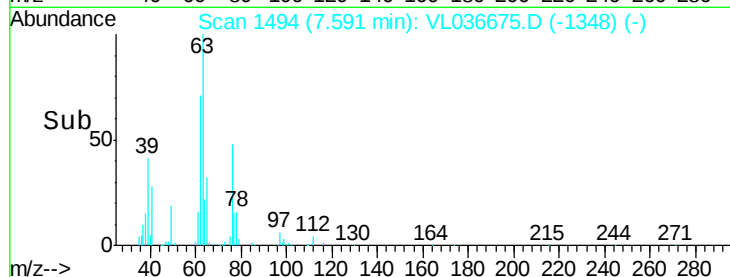
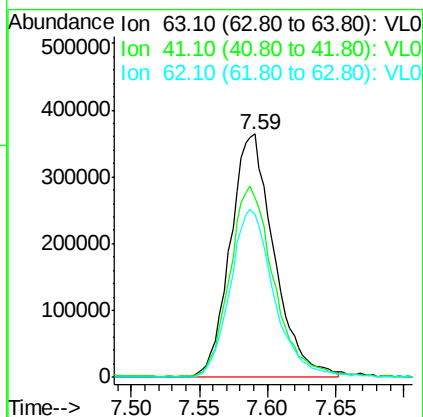
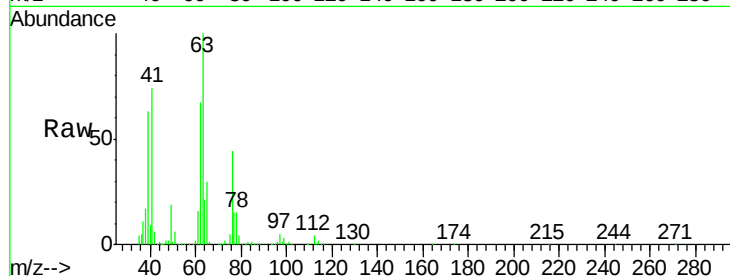
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	810849
Ion Ratio	Lower	Upper	
63	100		
41	73.1	62.4	93.6
62	66.6	52.8	79.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 6.413 ppbv m

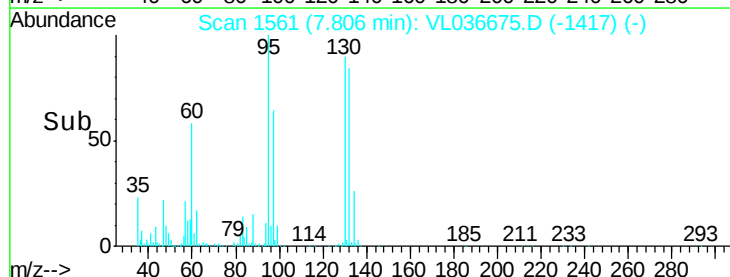
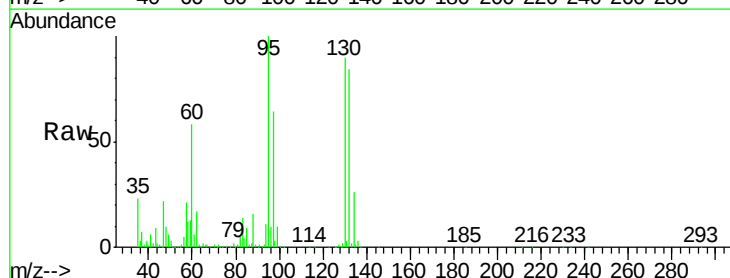
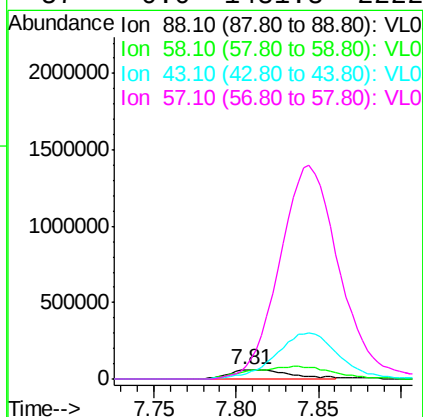
RT: 7.81 min Scan# 1561

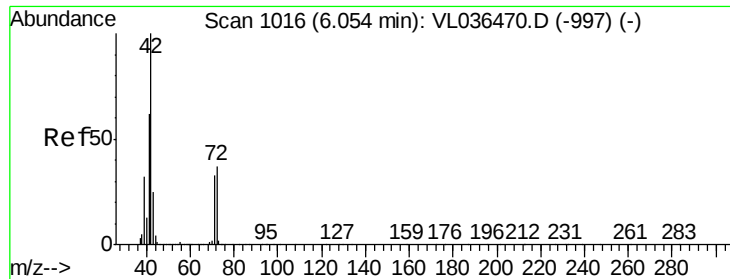
Delta R.T. -0.04 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Tgt Ion:	88	Resp:	162198
Ion Ratio	Lower	Upper	
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#





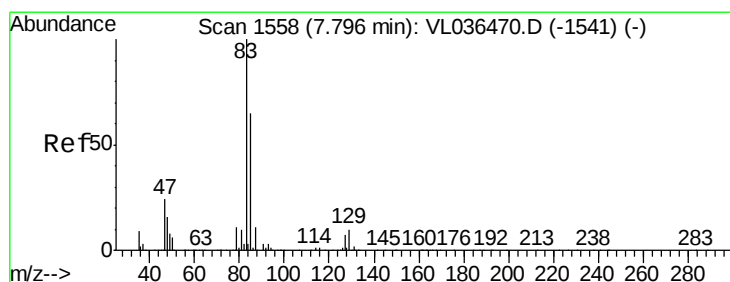
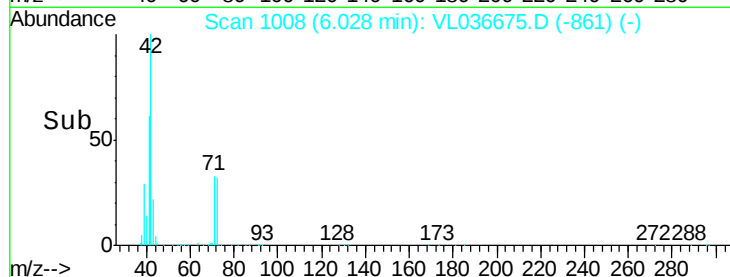
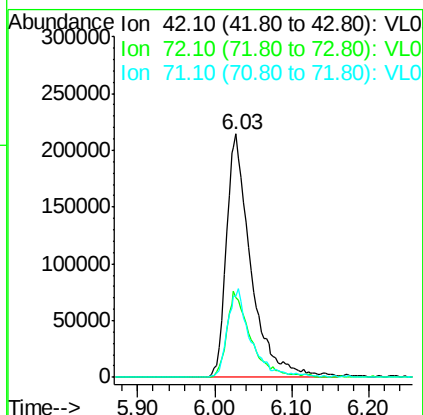
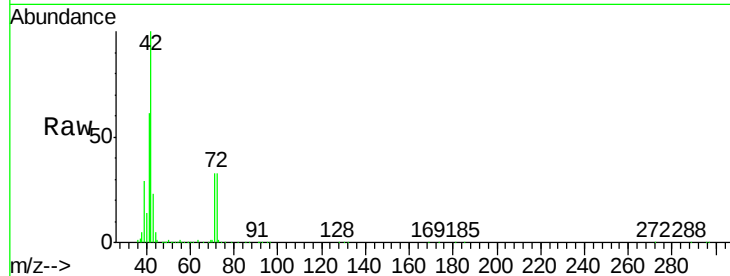
#41
Tetrahydrofuran
Concen: 7.354 ppbv m
RT: 6.03 min Scan# 1008
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	27.6	41.4
71	35.2	27.0	40.4

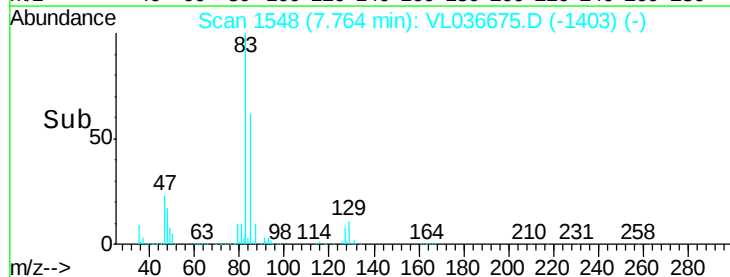
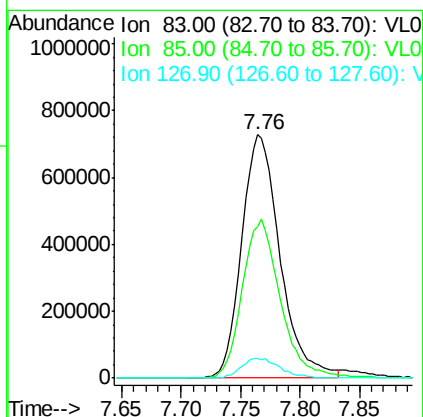
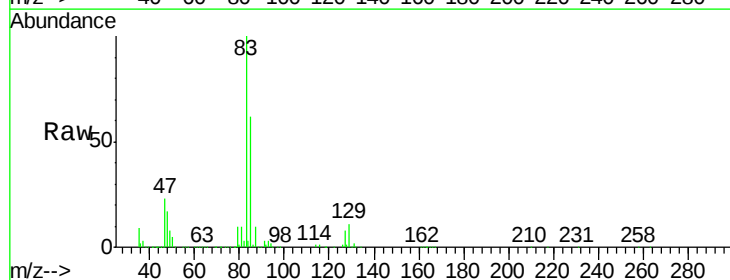
Manual Integrations
APPROVED

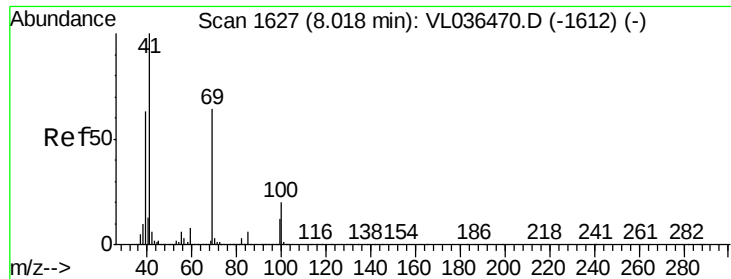
MMDadoda
4/5/2021 6:46:48 PM



#42
Bromodichloromethane
Concen: 7.599 ppbv
RT: 7.76 min Scan# 1548
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.8	77.6
127	8.0	5.8	8.8





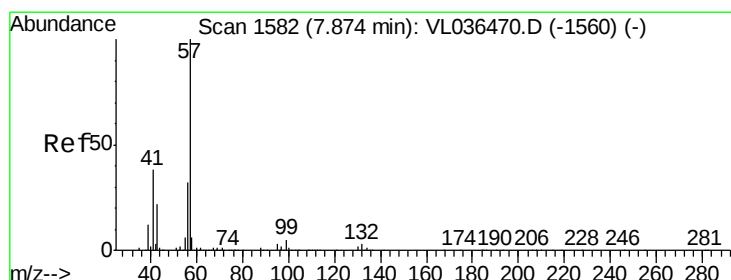
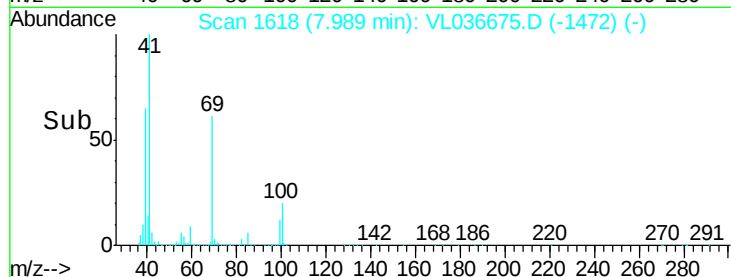
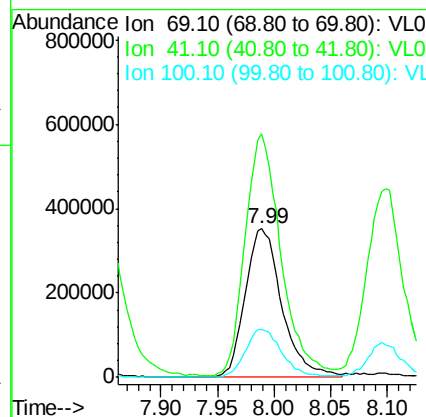
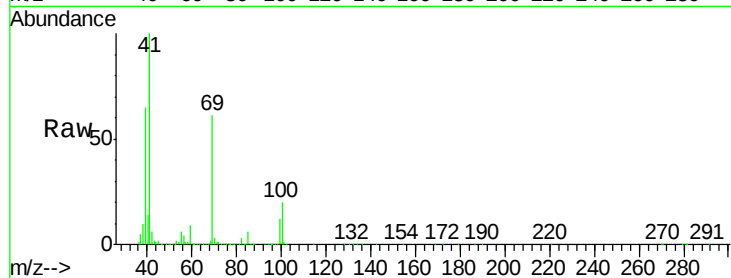
#43
Methvl Methacrilate
Concen: 8.846 ppbv
RT: 7.99 min Scan# 1618
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	161.9	126.8	190.2
100	32.6	24.9	37.3

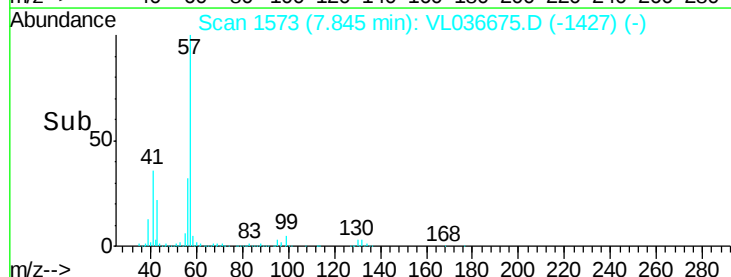
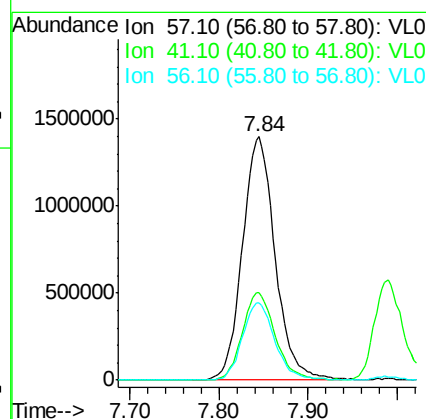
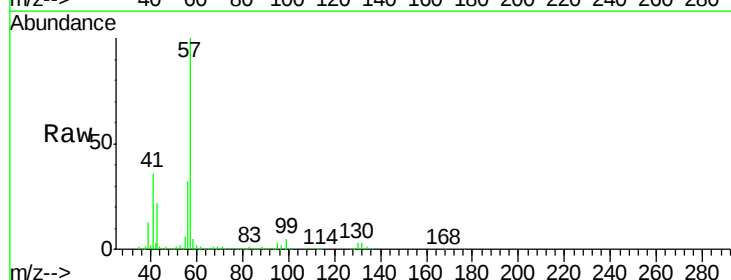
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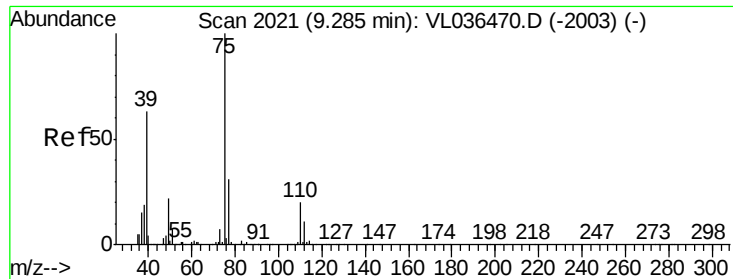
MMDadoda
4/5/2021 6:46:48 PM



#44
2,2,4-Trimethylpentane
Concen: 7.554 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.1	28.8	43.2
56	31.5	26.1	39.1





#45

t-1,3-Dichloropropene

Concen: 7.406 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 760774

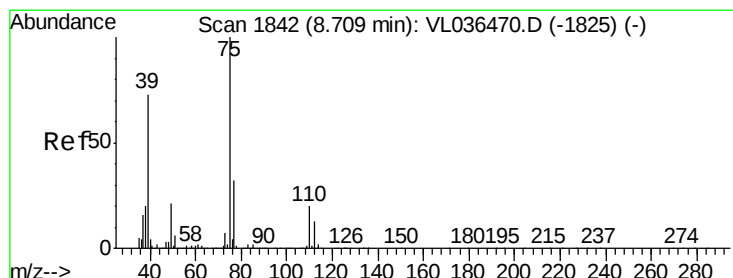
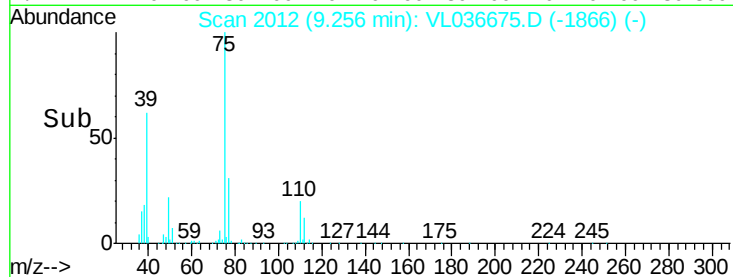
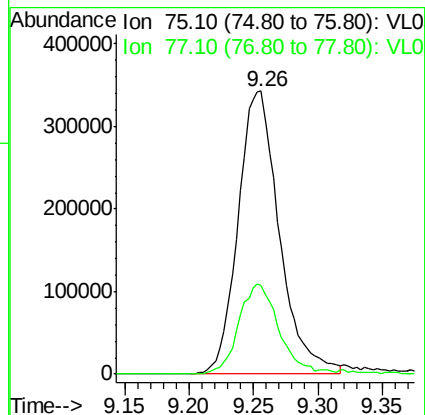
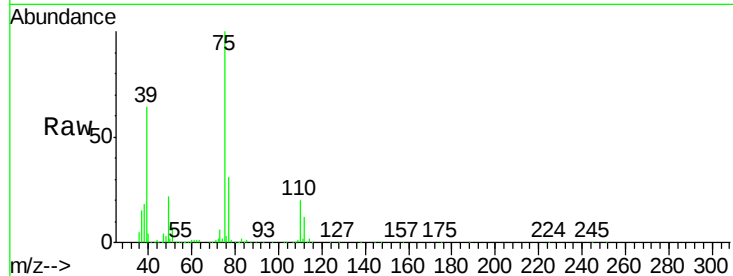
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

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4/5/2021 6:46:48 PM



#46

cis-1,3-Dichloropropene

Concen: 7.150 ppbv

RT: 8.68 min Scan# 1832

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

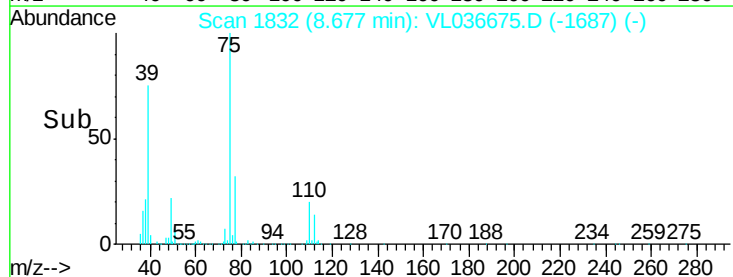
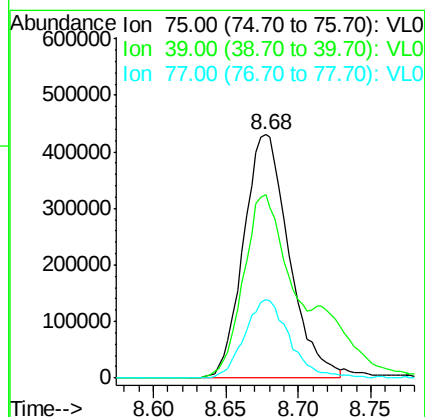
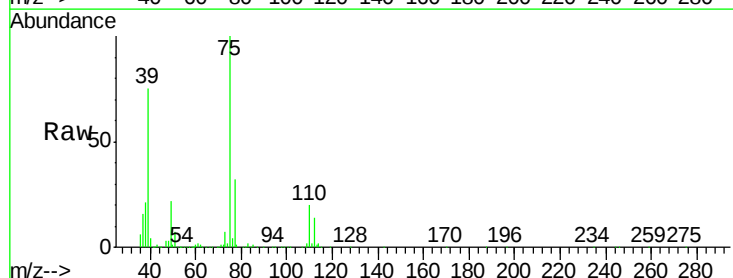
Tgt Ion: 75 Resp: 938861

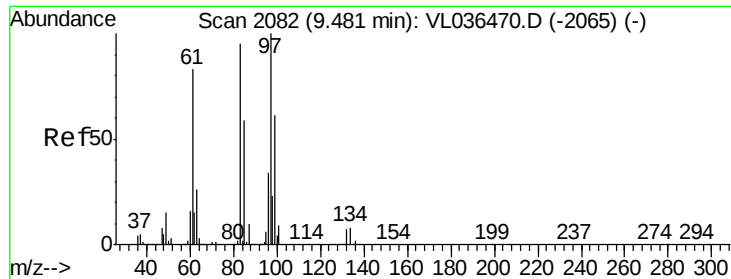
Ion Ratio Lower Upper

75 100

39 75.1 58.2 87.2

77 32.0 25.2 37.8





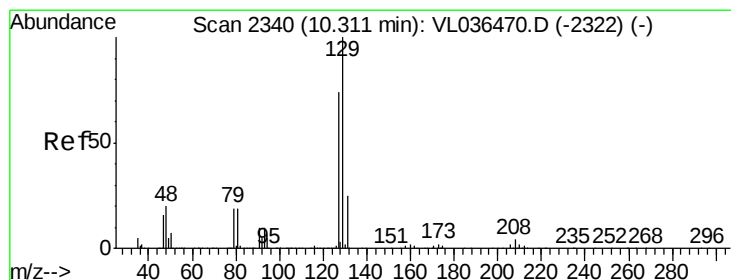
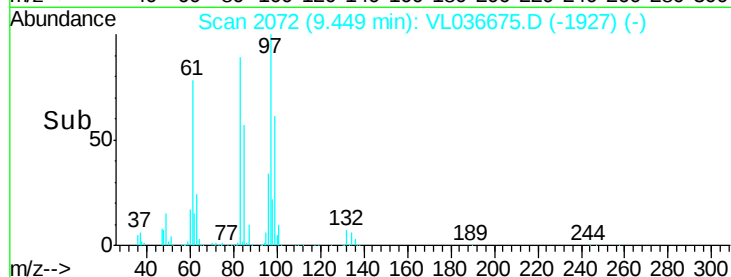
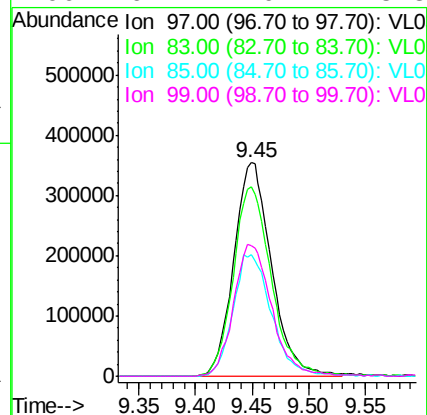
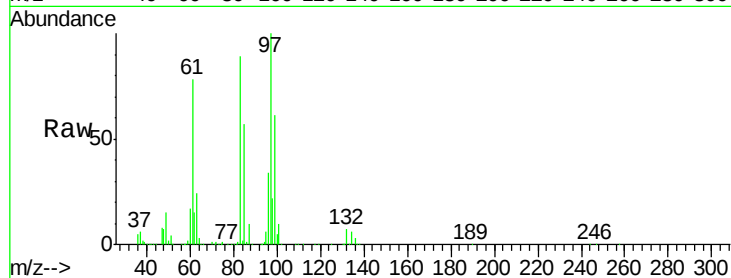
#47
 1,1,2-Trichloroethane
 Concen: 7.471 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.8	75.8	113.8	
85	57.0	47.1	70.7	
99	61.2	49.2	73.8	

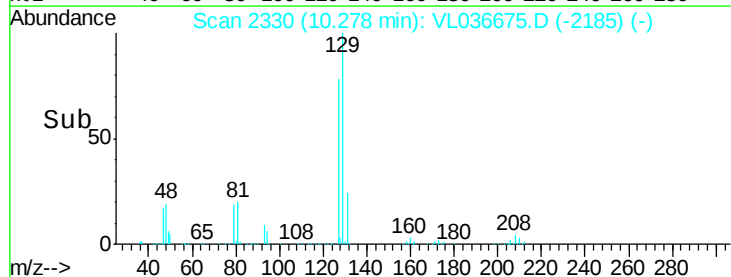
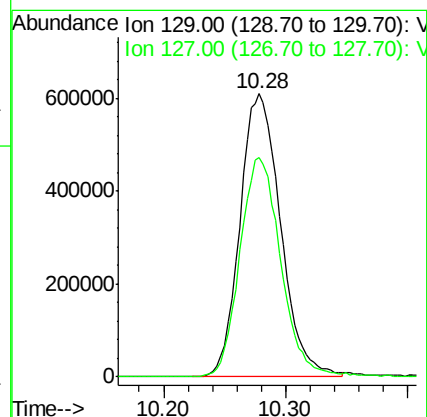
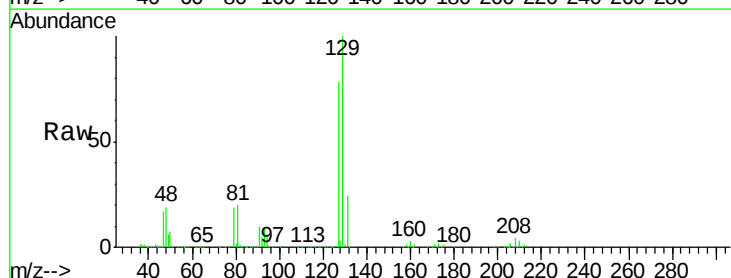
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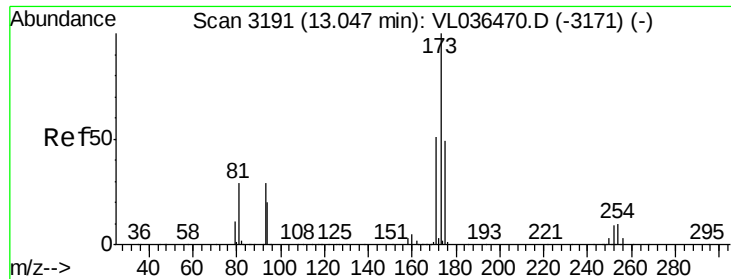
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#48
 Dibromochloromethane
 Concen: 8.366 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.5	39.6	118.8	





#49

Bromoform

Concen: 8.706 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1177160

Ion Ratio Lower Upper

173 100

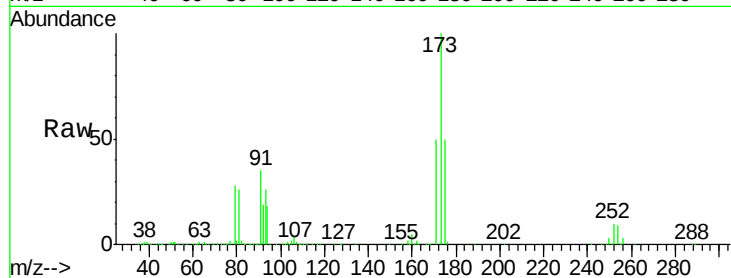
175 49.6 39.6 59.4

171 51.7 41.4 62.0

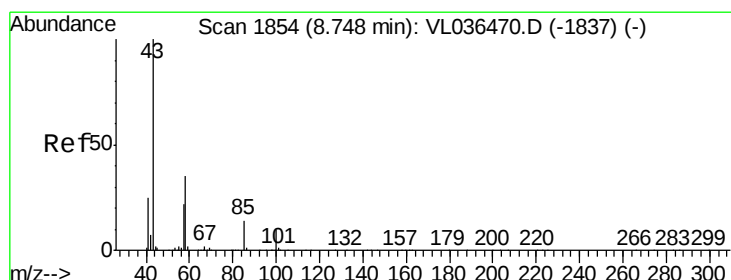
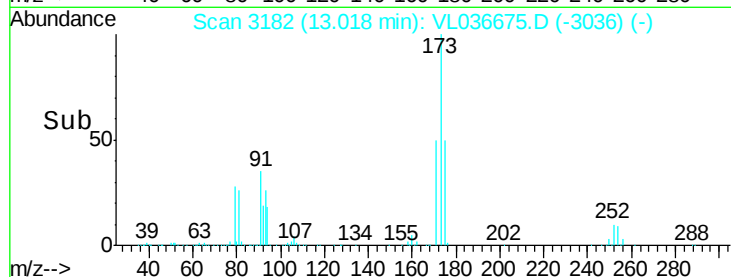
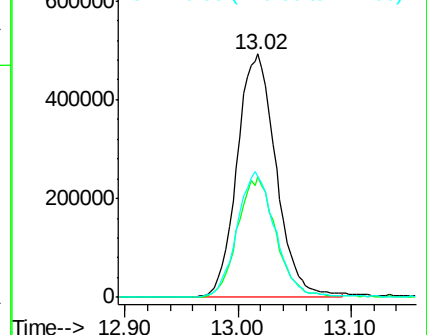
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 7.307 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.03 min

Lab File: VL036675.D

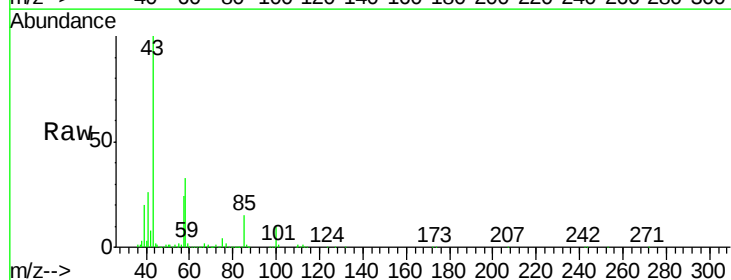
Acq: 3 Apr 2021 11:05

Tgt Ion: 43 Resp: 1499234

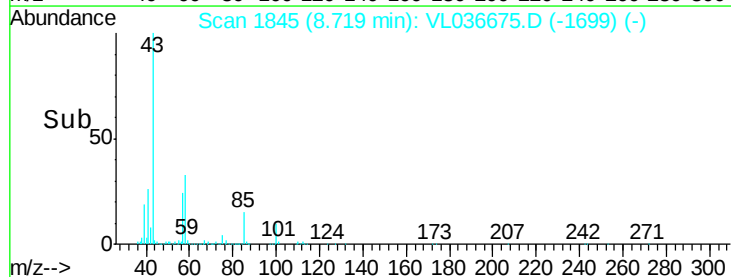
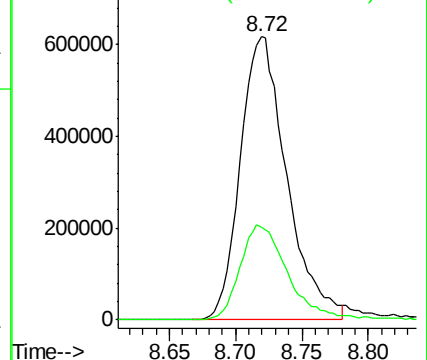
Ion Ratio Lower Upper

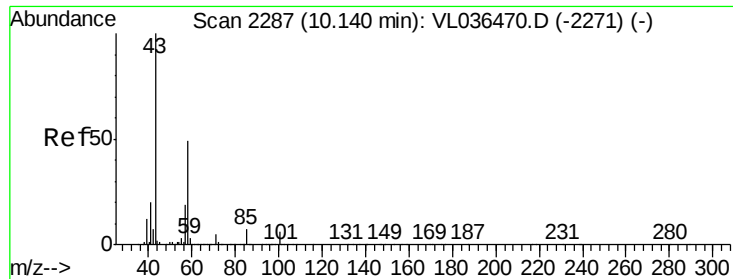
43 100

58 35.1 28.2 42.2



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





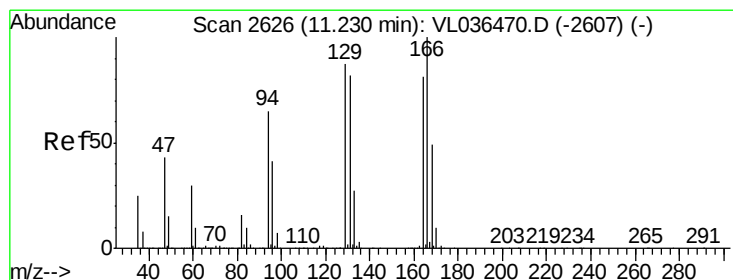
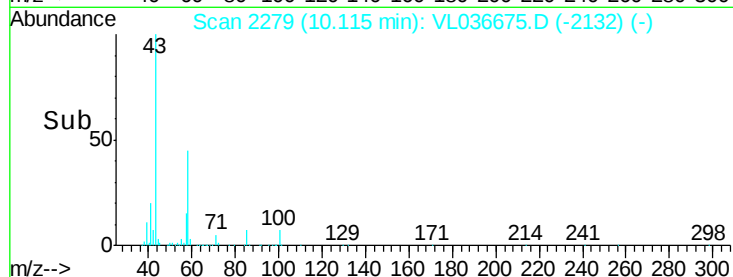
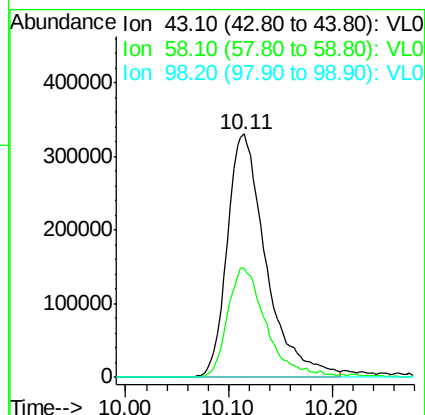
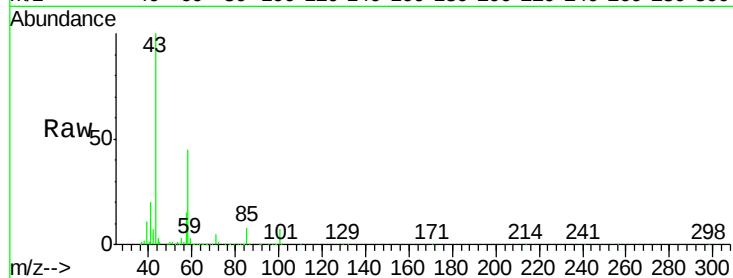
#51
2-Hexanone
Concen: 8.372 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:	43	Resp:	866811
Ion Ratio	Lower	Upper	
43	100		
58	45.9	37.7	56.5
98	0.2	0.2	0.2

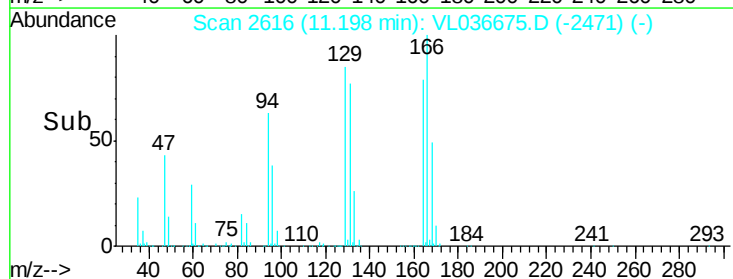
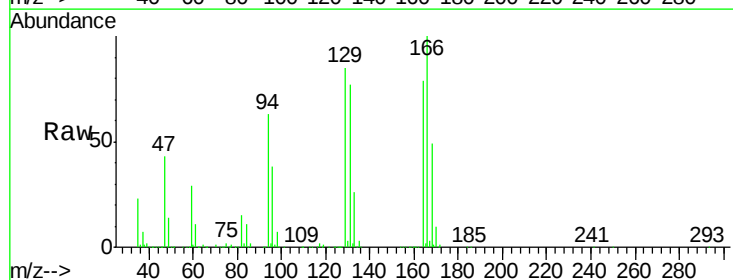
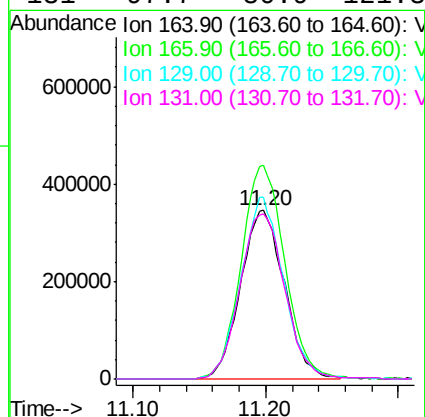
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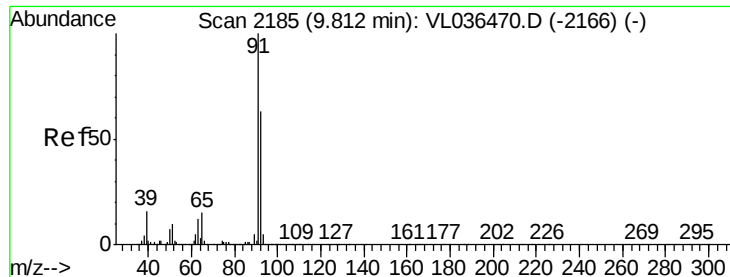
MMDadoda
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#52
Tetrachloroethene
Concen: 8.058 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion:	164	Resp:	794934
Ion Ratio	Lower	Upper	
164	100		
166	126.6	98.3	147.5
129	107.2	85.8	128.8
131	97.7	80.9	121.3





#53

Toluene

Concen: 8.384 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2392077

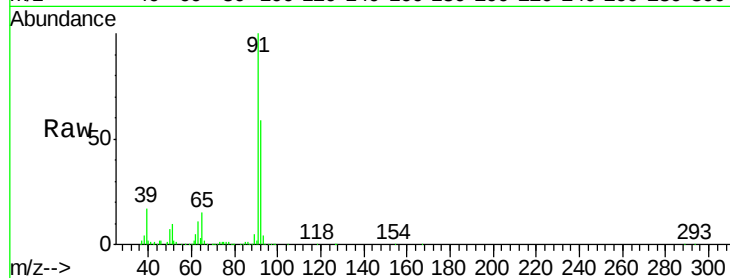
Ion Ratio Lower Upper

91 100

92 60.0 48.8 73.2

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1200000

1000000

800000

600000

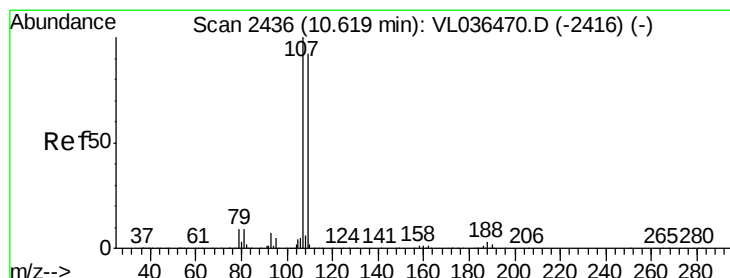
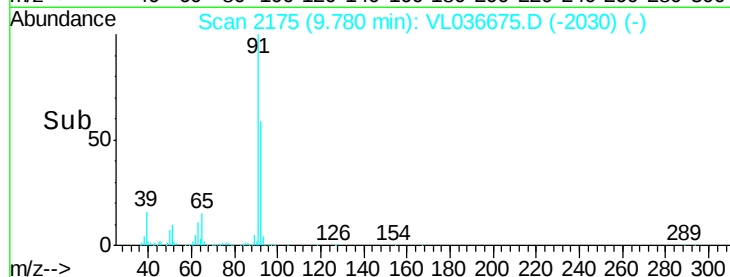
400000

200000

0

9.70 9.80 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 7.903 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.04 min

Lab File: VL036675.D

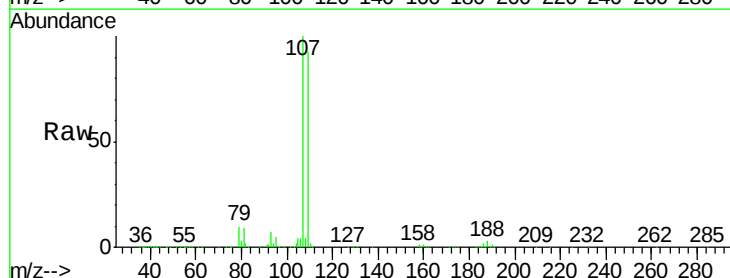
Acq: 3 Apr 2021 11:05

Tgt Ion: 107 Resp: 1228612

Ion Ratio Lower Upper

107 100

109 92.5 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

600000

500000

400000

300000

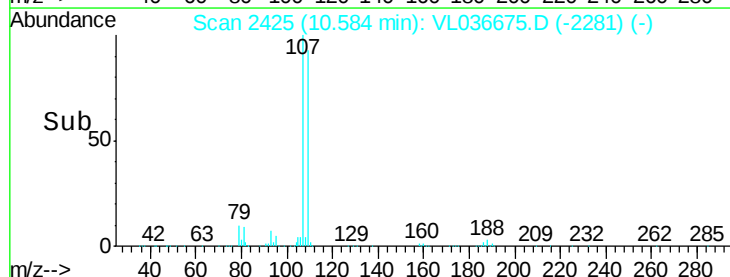
200000

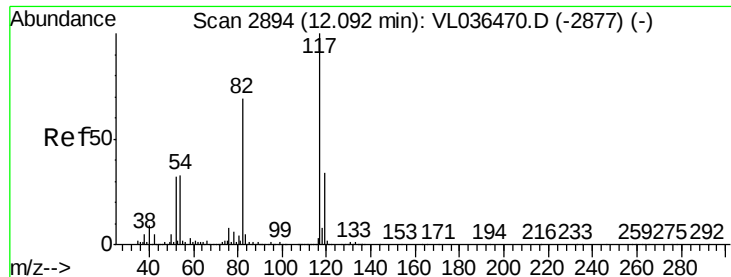
100000

0

10.50 10.60 10.70

Time-->





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.06 min Scan# 2884

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2688773

Ion Ratio Lower Upper

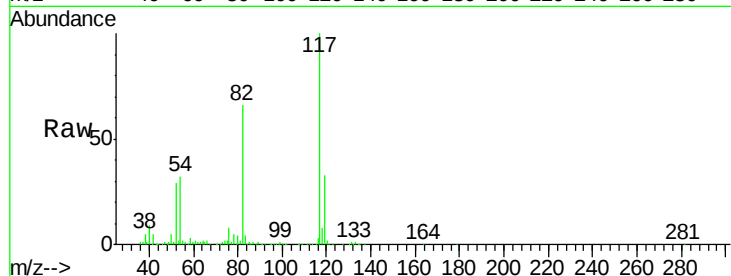
117 100

82 66.9 57.4 86.0

119 55.5 47.4 71.0

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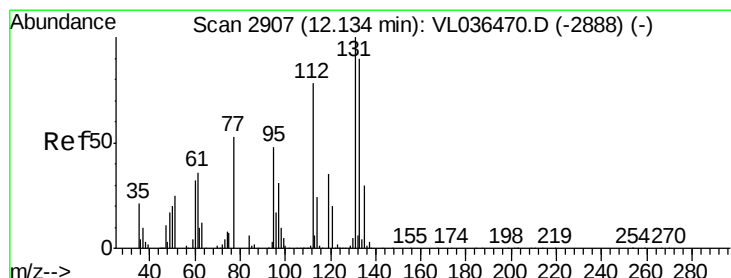
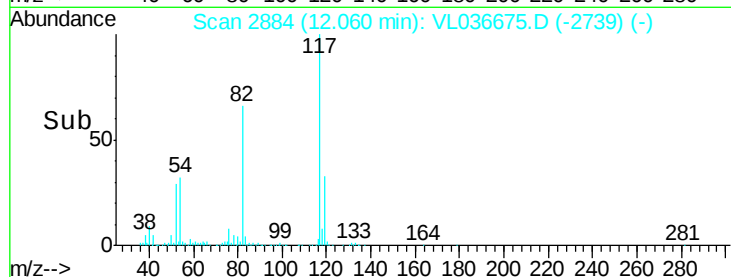
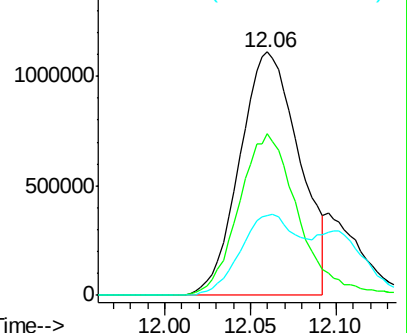
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.196 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

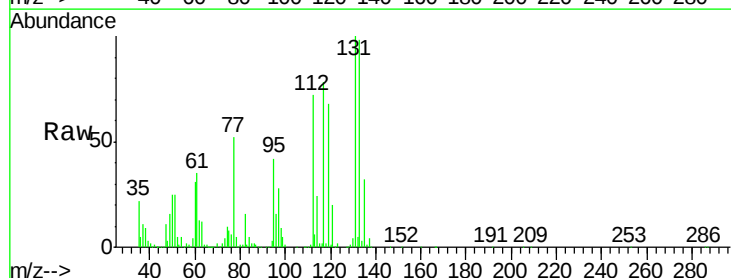
Tgt Ion:131 Resp: 996703

Ion Ratio Lower Upper

131 100

133 97.7 75.8 113.6

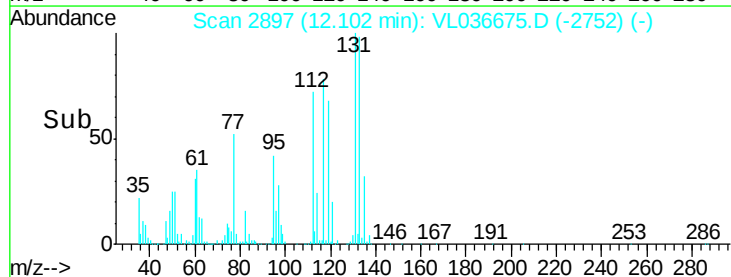
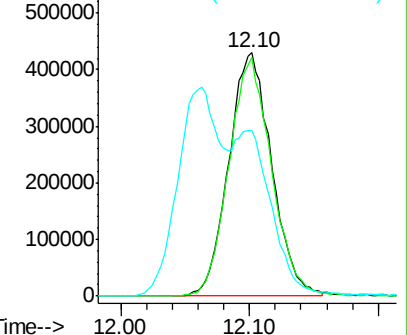
119 149.7 48.7 73.1#

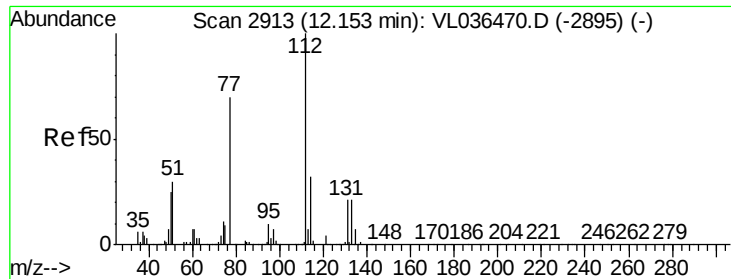


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





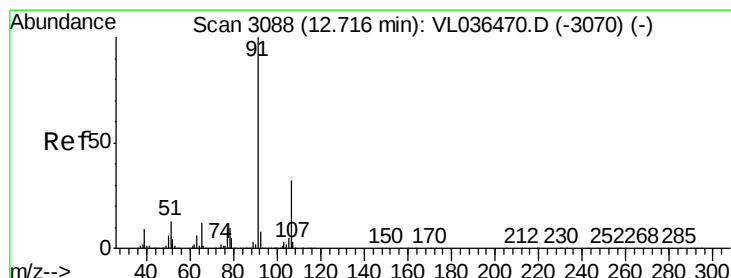
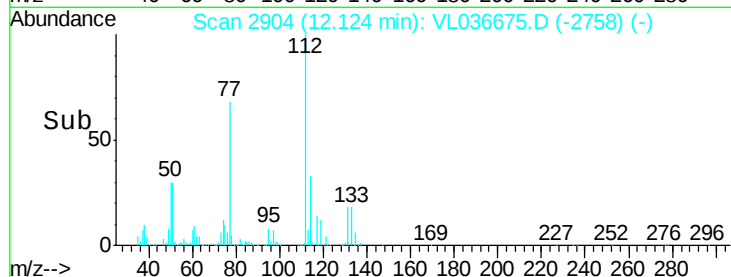
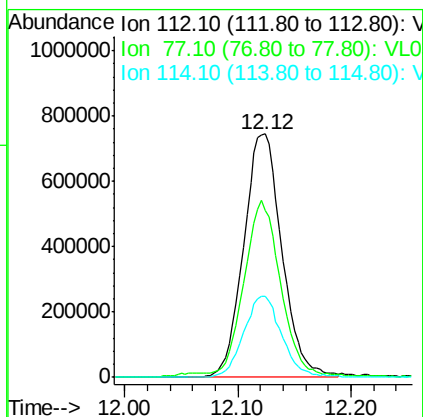
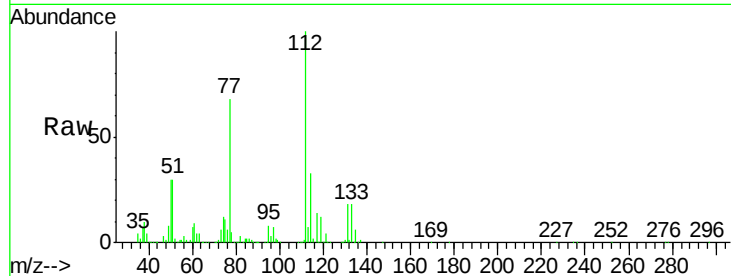
#57
Chlorobenzene
Concen: 7.665 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	67.5	56.0	84.0
114	33.0	29.0	35.4

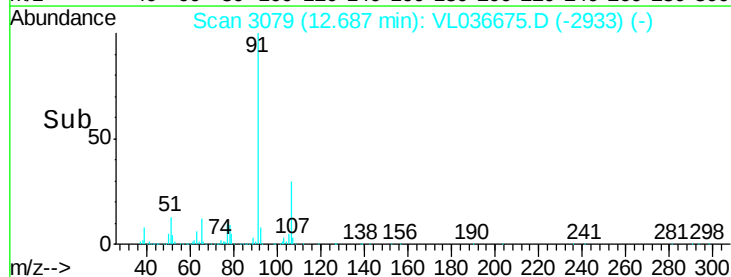
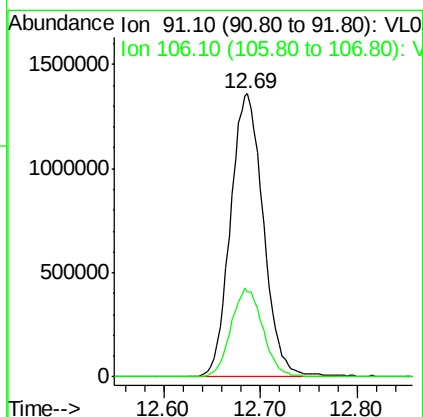
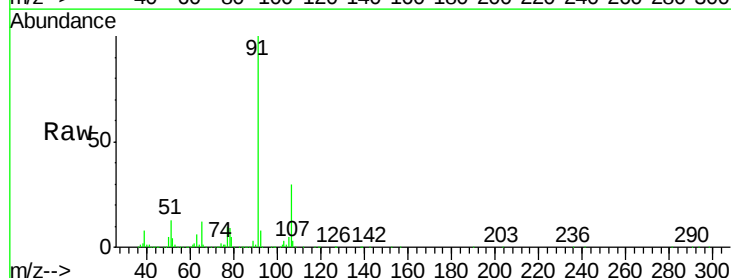
Manual Integrations
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#58
Ethyl Benzene
Concen: 8.200 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.3	37.9





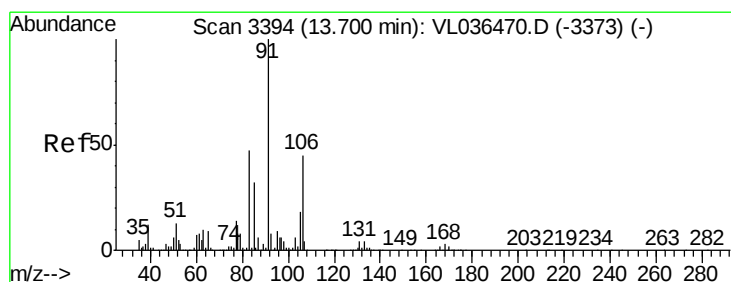
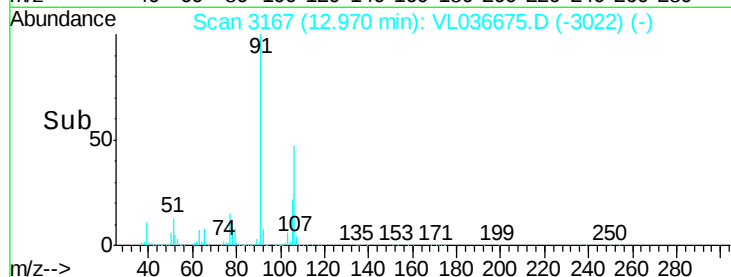
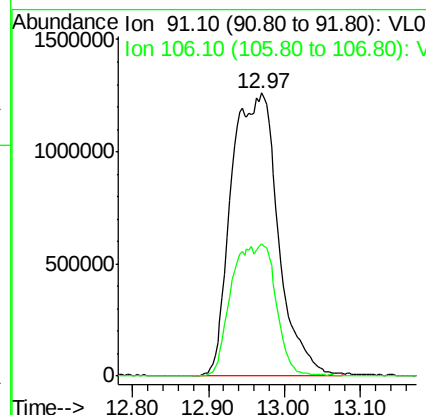
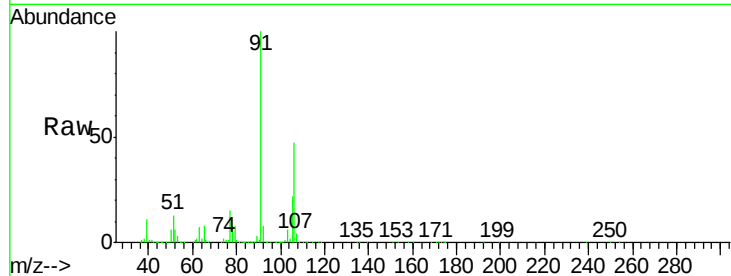
#59
m/p-Xylene
Concen: 15.798 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5390094
Ion Ratio Lower Upper
91 100
106 44.6 35.3 52.9

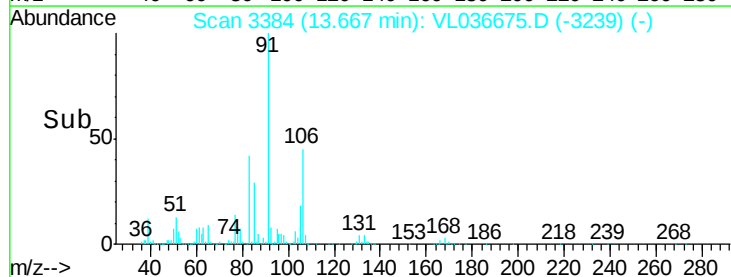
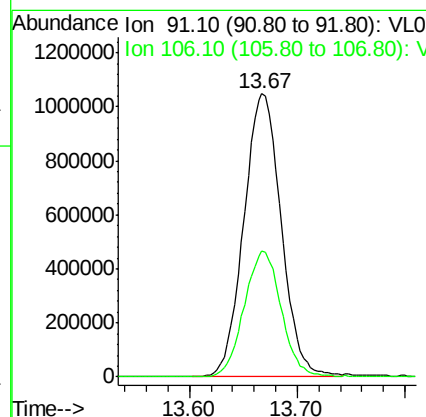
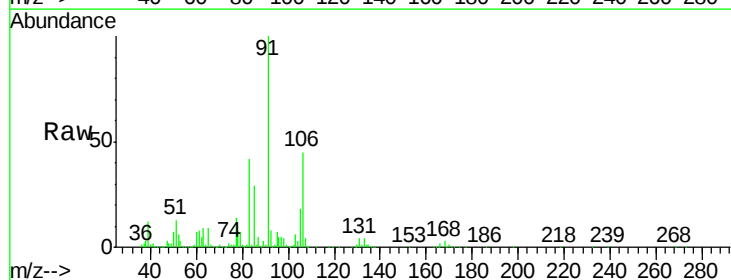
Manual Integrations
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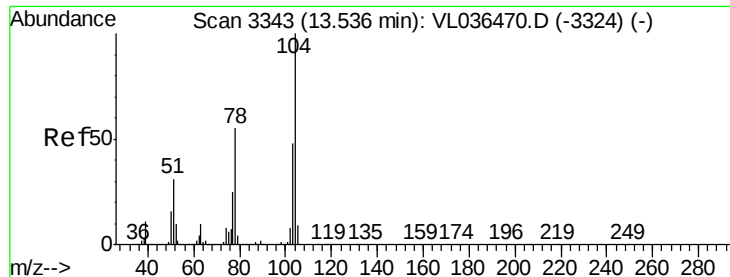
MMDadoda
4/5/2021 6:46:48 PM



#60
o-Xylene
Concen: 7.645 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion: 91 Resp: 2522220
Ion Ratio Lower Upper
91 100
106 44.4 22.3 66.9





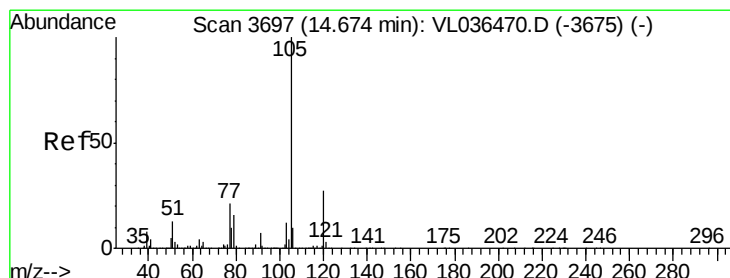
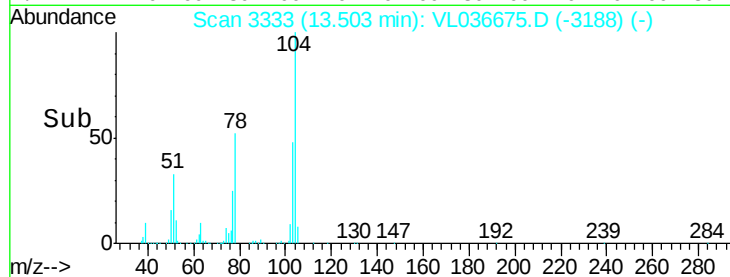
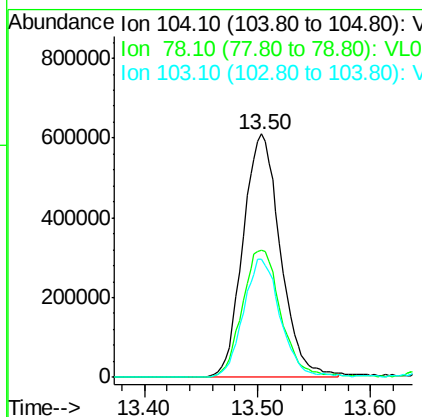
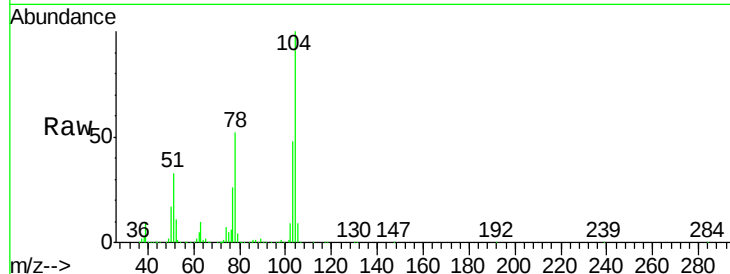
#61
Stvrene
Concen: 8.460 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.8	65.8
103	48.4	38.3	57.5

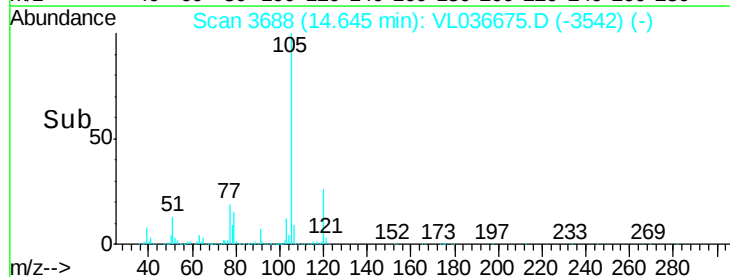
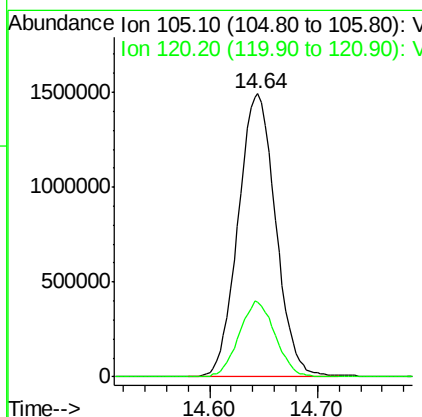
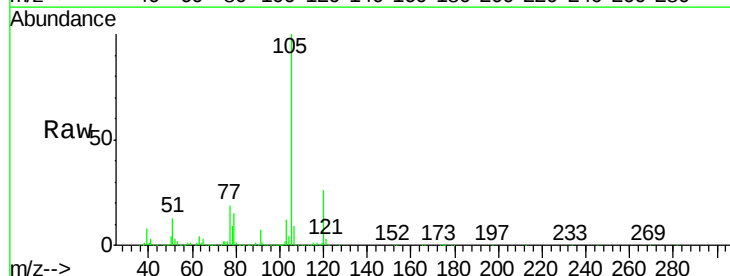
Manual Integrations
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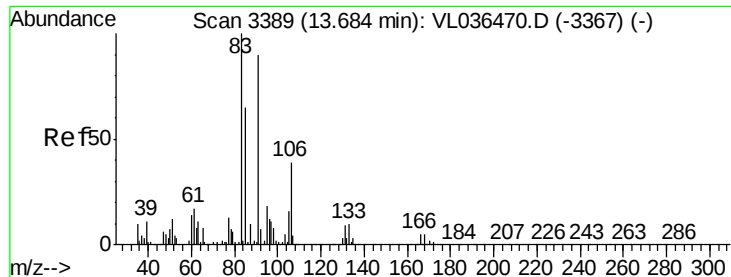
MMDadoda
4/5/2021 6:46:48 PM



#62
Isopropylbenzene
Concen: 8.120 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.6	31.0





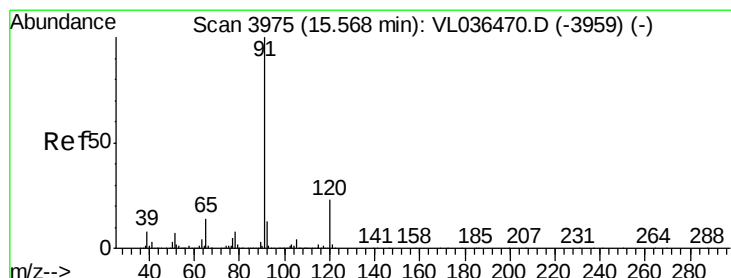
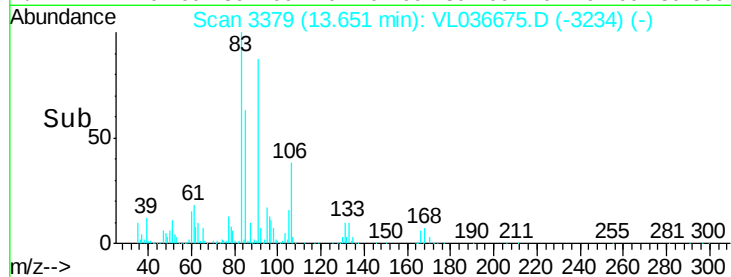
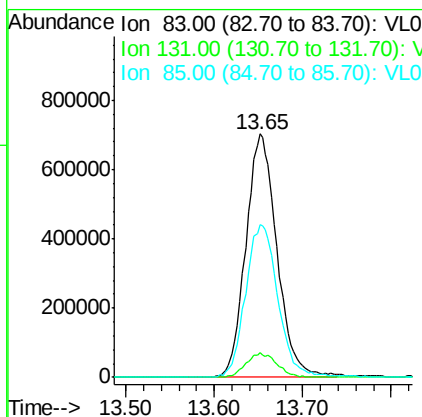
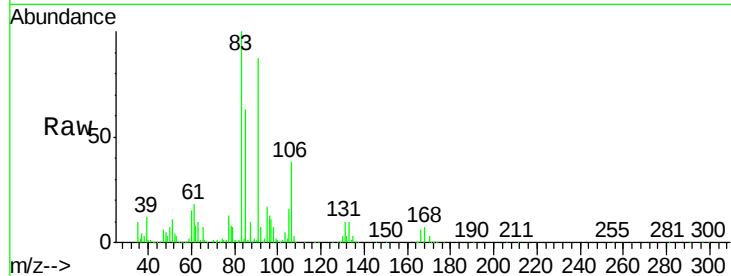
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.822 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	1716780
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.7	14.0
85	65.4	33.1	99.3

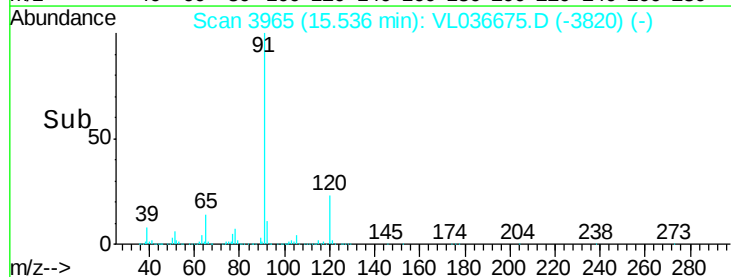
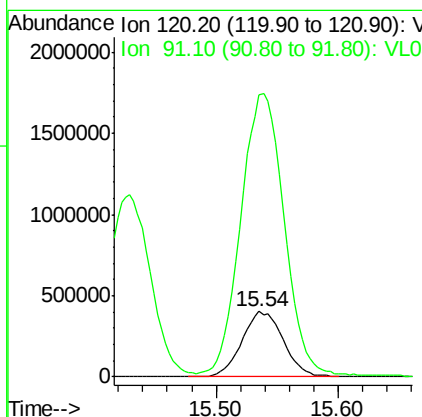
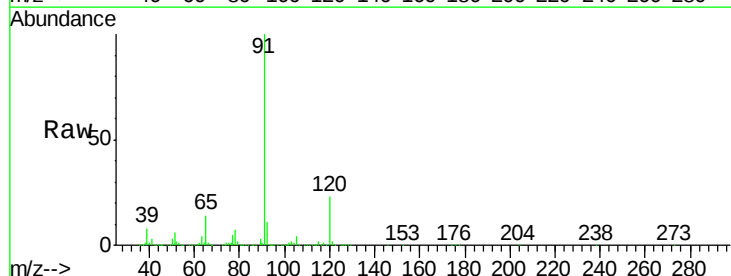
Manual Integrations
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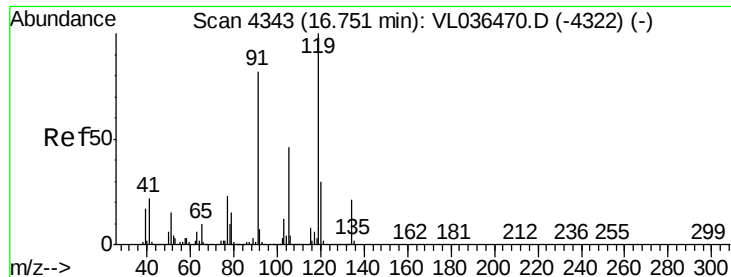
MMDadoda
 4/5/2021 6:46:48 PM



#64
 n-propylbenzene
 Concen: 8.645 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Tgt Ion	120	Resp	939035
Ion Ratio	Lower	Upper	
120	100		
91	461.3	377.4	566.2





#65

tert-Butylbenzene

Concen: 8.219 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

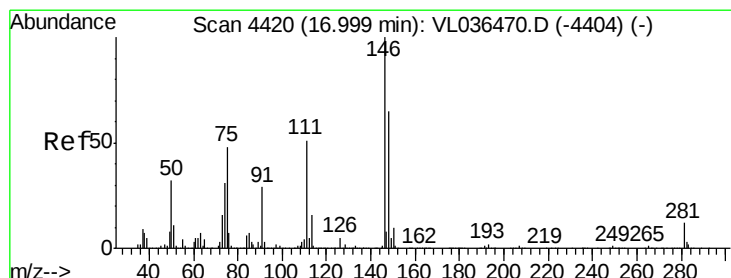
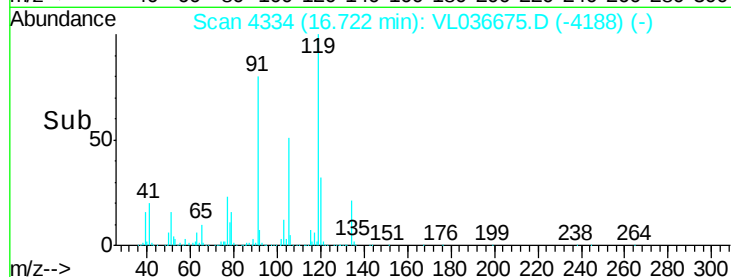
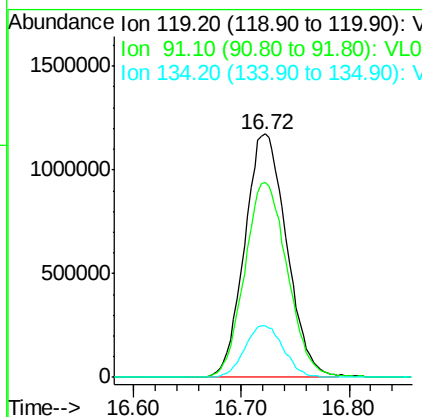
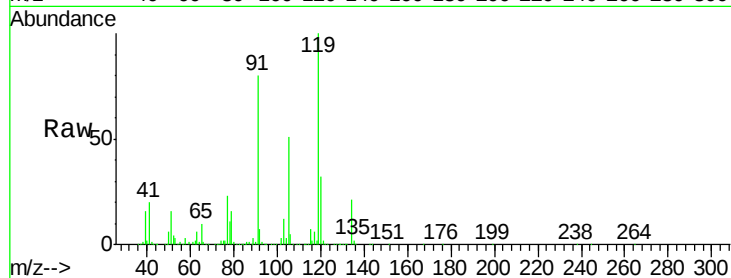
ClientSampleId :

VSTDCCC010EC

Tot Ion:	119	Resp:	3166303
Ion	Ratio	Lower	Upper
119	100		
91	81.5	67.5	101.3
134	19.9	15.8	23.8

Manual Integrations
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#66

Benzyl Chloride

Concen: 9.160 ppbv

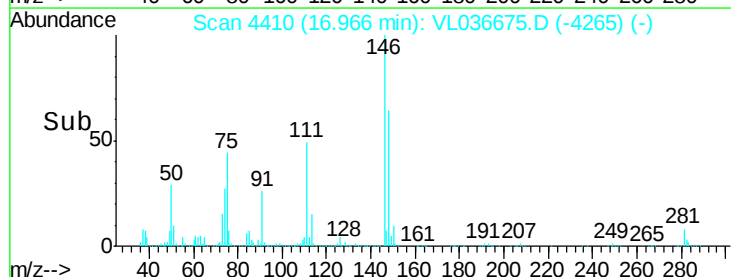
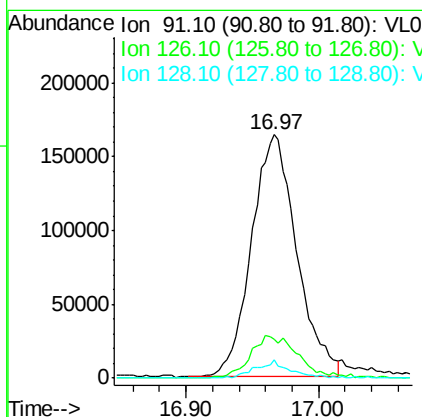
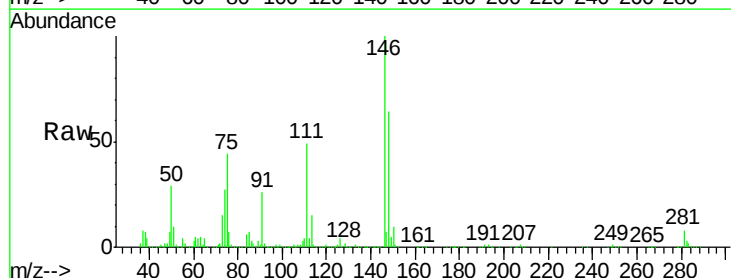
RT: 16.97 min Scan# 4410

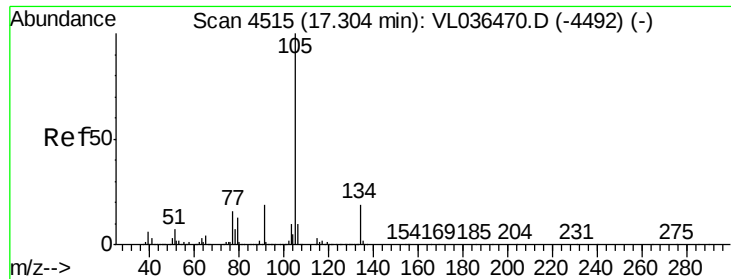
Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Tgt Ion:	91	Resp:	390035
Ion	Ratio	Lower	Upper
91	100		
126	18.8	13.5	20.3
128	6.0	4.2	6.4





#67

sec-Butylbenzene

Concen: 8.039 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 4371504

Ion Ratio Lower Upper

105 100

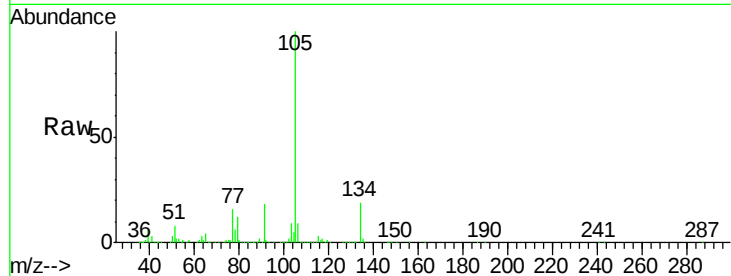
134 18.4 14.7 22.1

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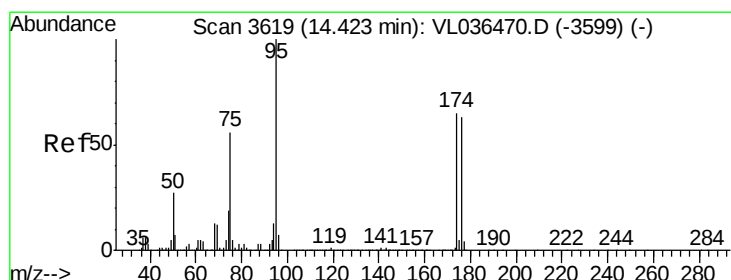
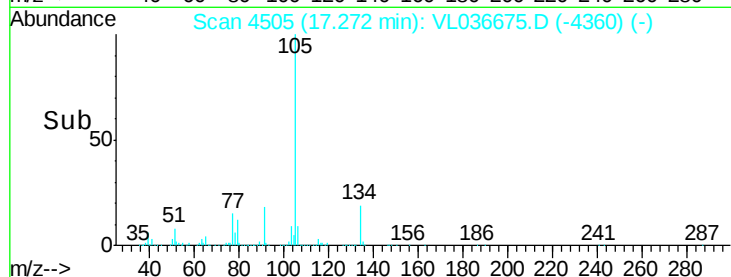
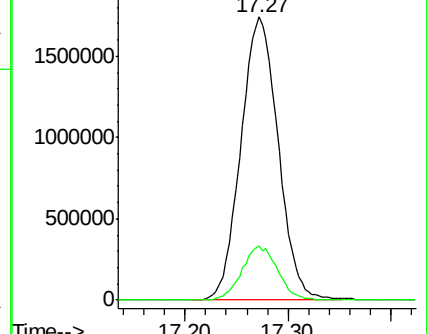
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.072 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

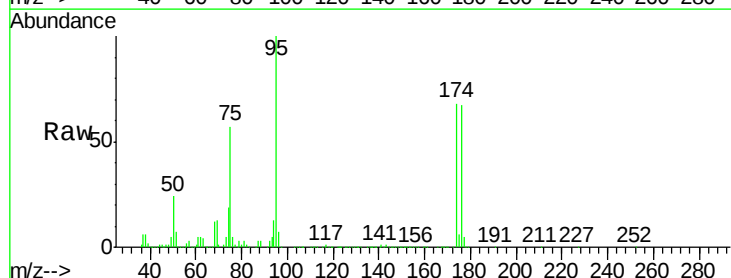
Tgt Ion: 95 Resp: 2158407

Ion Ratio Lower Upper

95 100

174 70.1 51.0 76.6

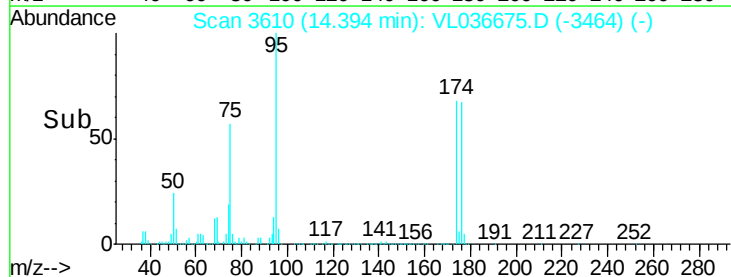
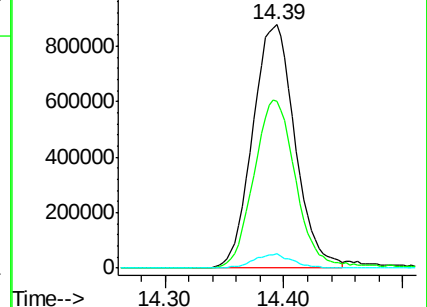
175 5.5 3.9 5.9

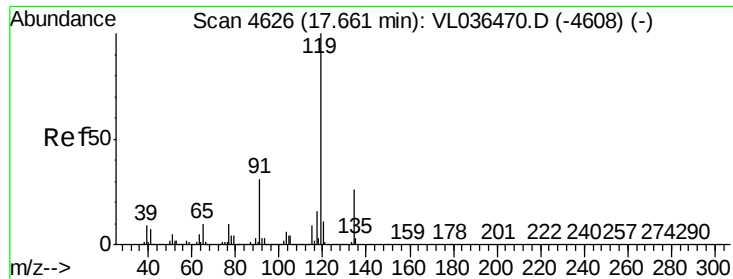


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





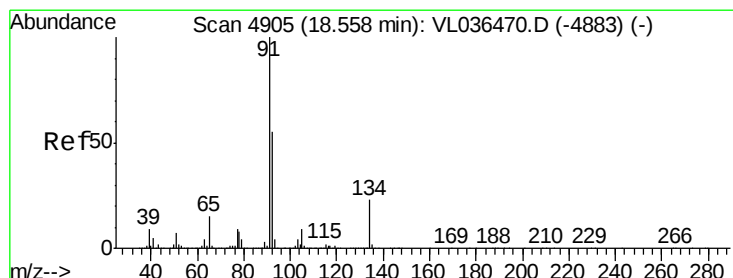
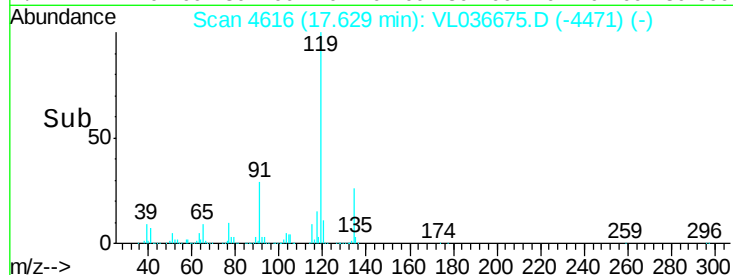
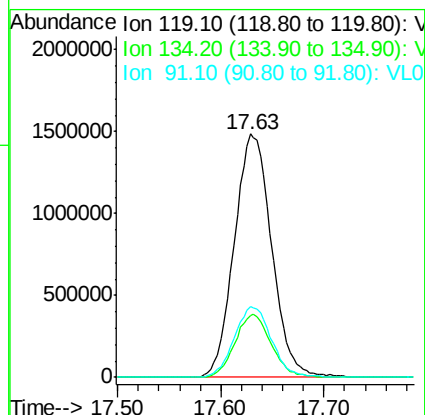
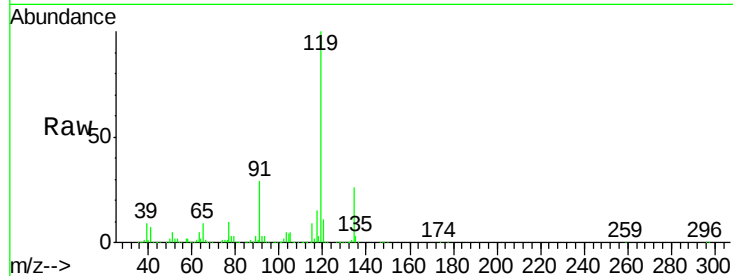
#69
 p-Isopropyltoluene
 Concen: 8.806 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	119	Resp:	3739544
Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.6	30.8
91	29.0	25.0	37.6

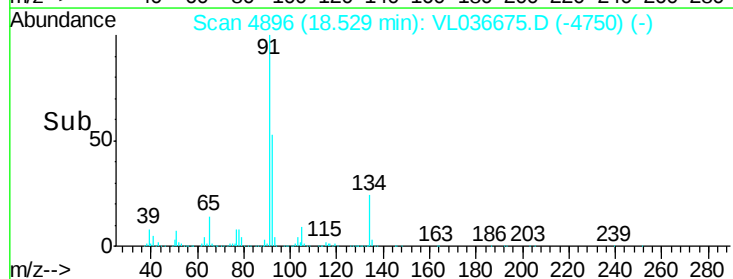
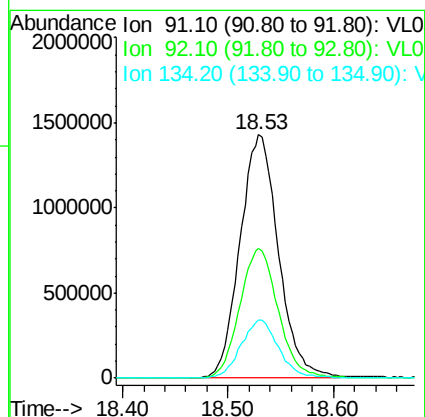
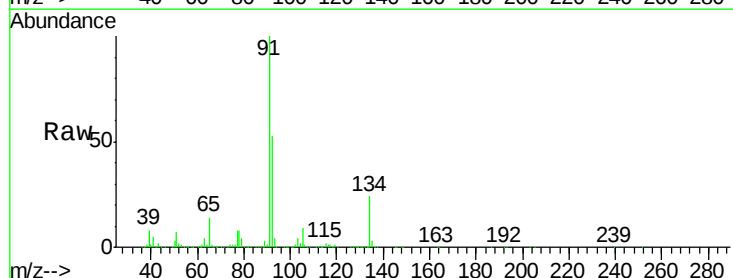
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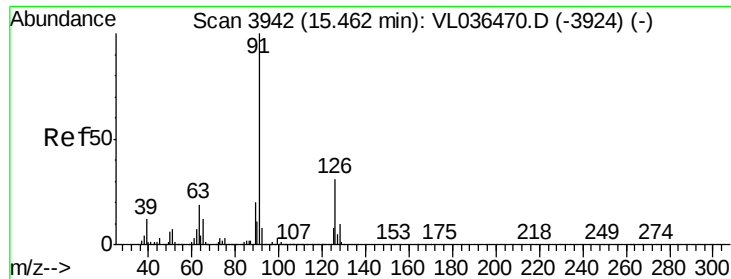
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#70
 n-Butylbenzene
 Concen: 8.231 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Tgt Ion:	91	Resp:	3623963
Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.8	65.8
134	23.5	18.0	27.0





#71

2-Chlorotoluene

Concen: 8.156 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2715148

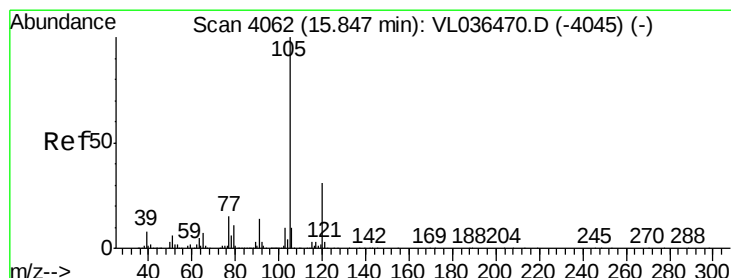
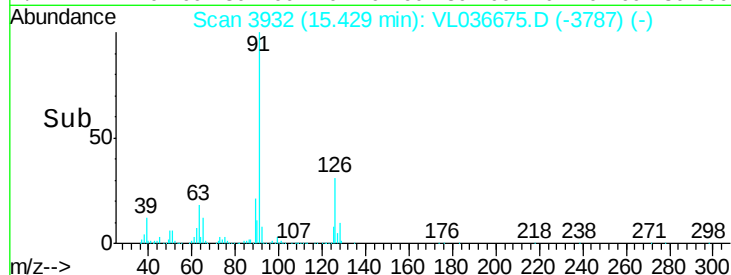
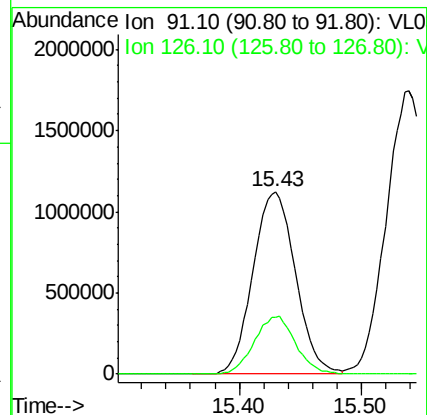
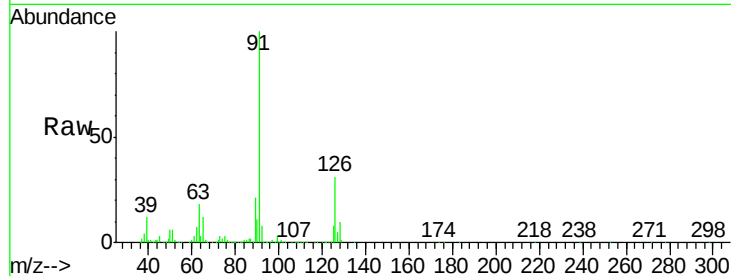
Ion Ratio Lower Upper

91 100

126 31.0 12.1 48.5

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#72

4-Ethyltoluene

Concen: 8.455 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.03 min

Lab File: VL036675.D

Acq: 3 Apr 2021 11:05

Tgt Ion: 105 Resp: 3056447

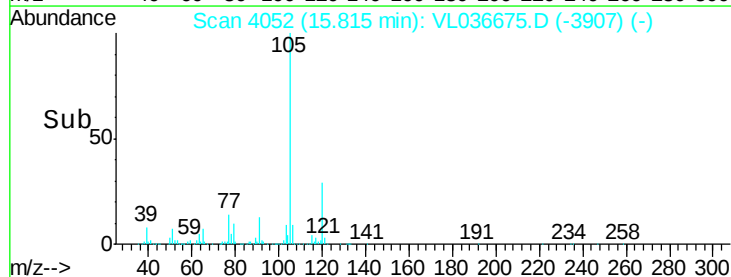
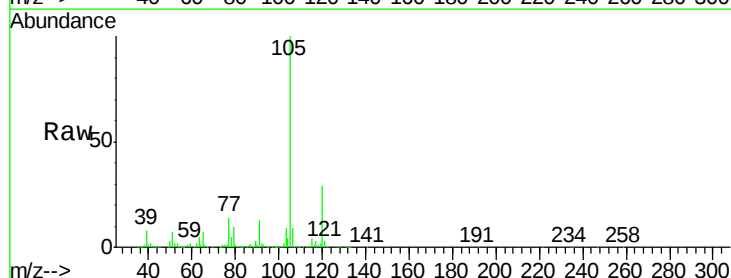
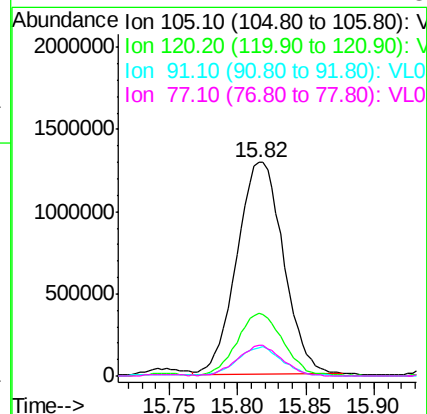
Ion Ratio Lower Upper

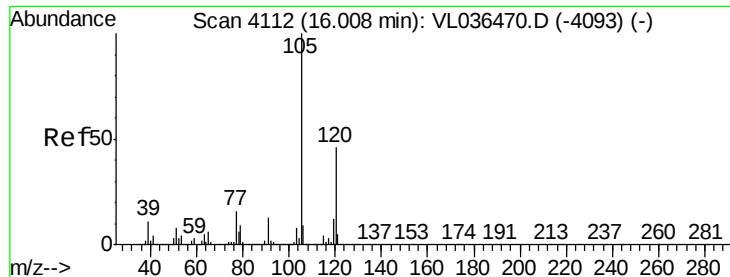
105 100

120 29.5 24.0 36.0

91 13.0 11.0 16.4

77 14.1 11.7 17.5





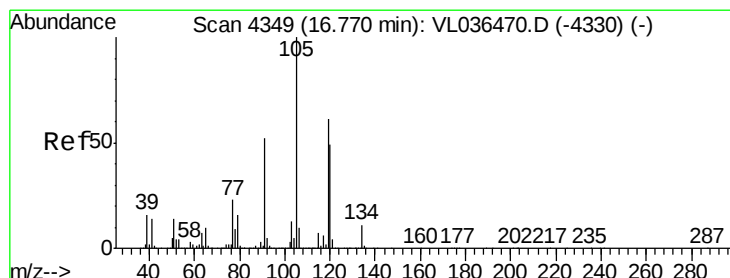
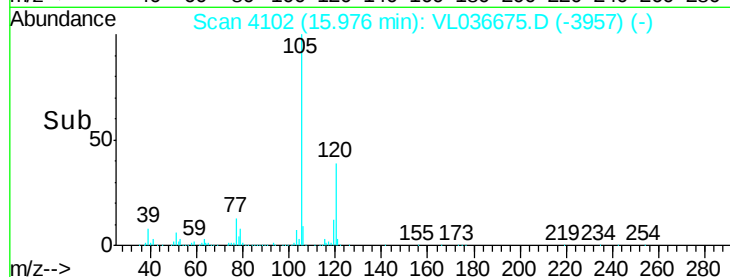
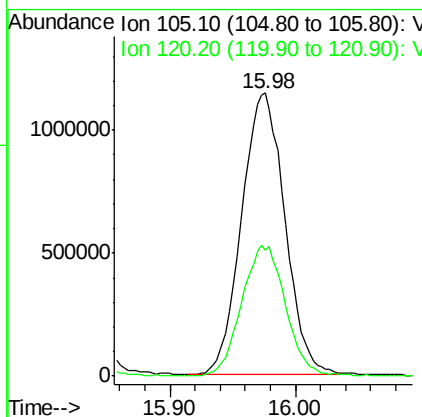
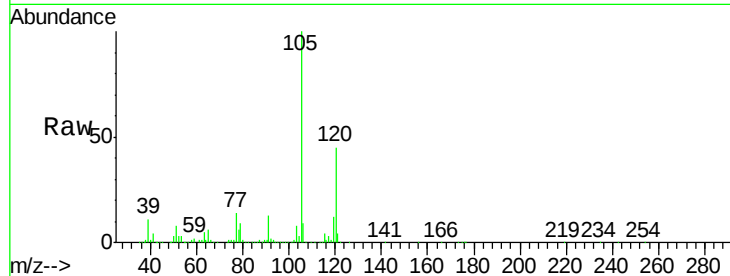
#73
 1,3,5-Trimethylbenzene
 Concen: 8.126 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 2741660
 Ion Ratio Lower Upper
 105 100
 120 44.7 36.6 54.8

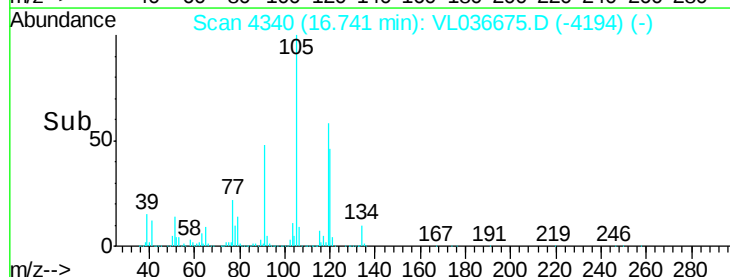
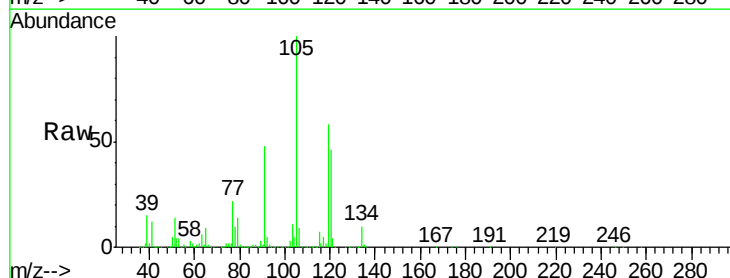
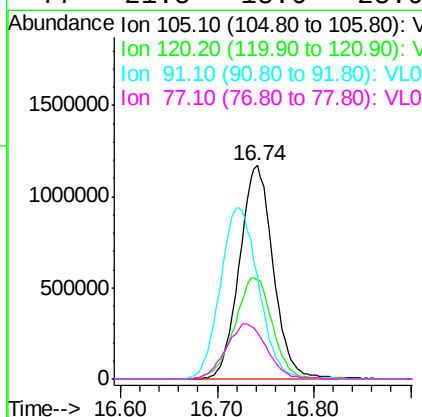
Manual Integrations
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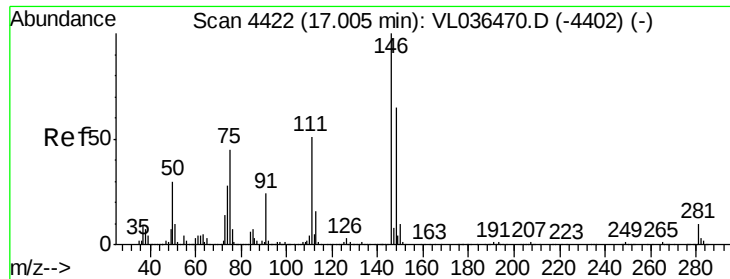
MMDadoda
 4/5/2021 6:46:48 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 7.834 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Tgt Ion:105 Resp: 2828703
 Ion Ratio Lower Upper
 105 100
 120 46.1 39.2 58.8
 91 48.0 42.6 64.0
 77 21.5 18.6 28.0





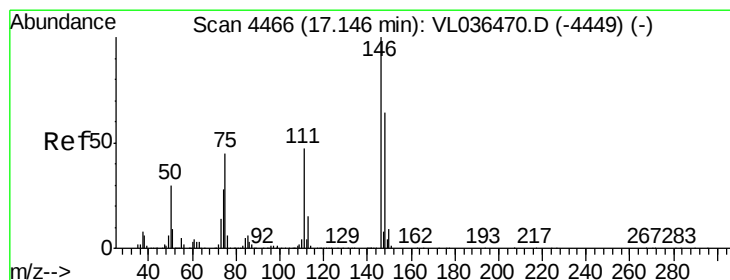
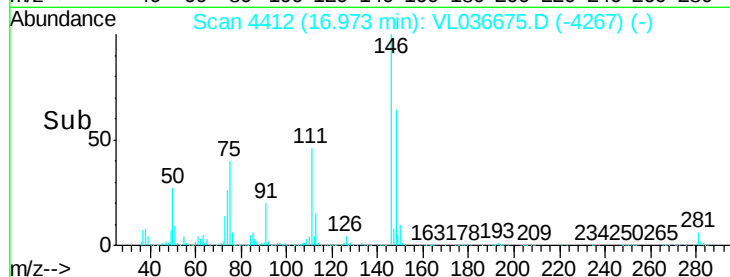
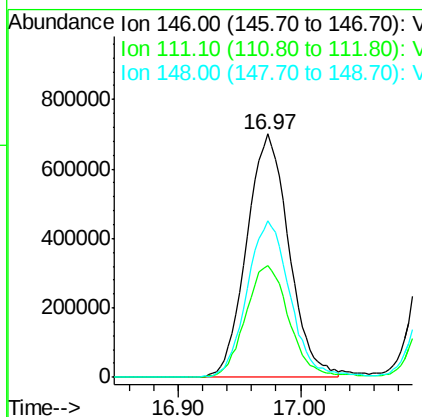
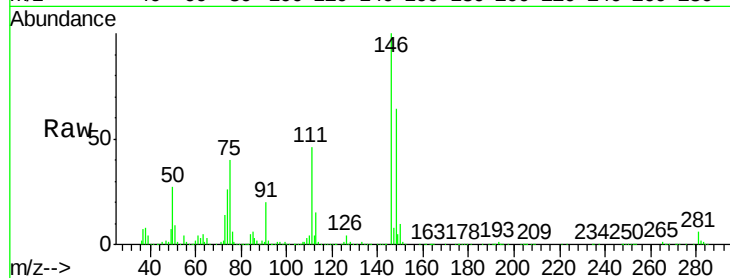
#75
 1,3-Dichlorobenzene
 Concen: 8.271 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1680987
 Ion Ratio Lower Upper
 146 100
 111 47.4 24.5 73.5
 148 65.4 32.3 96.9

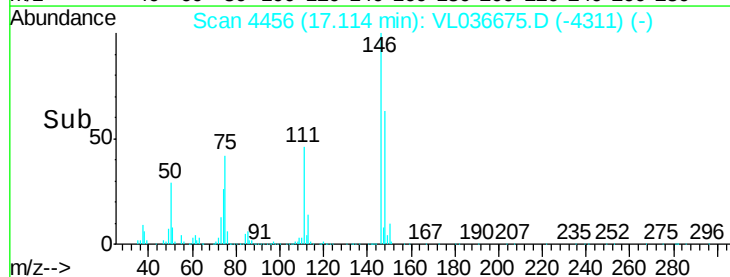
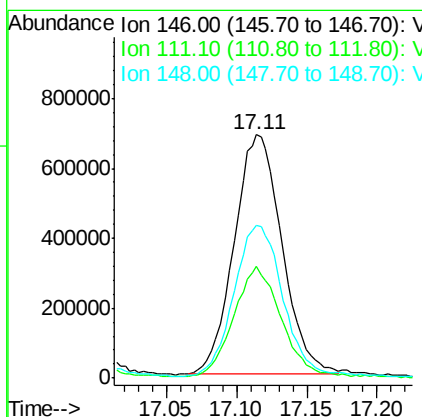
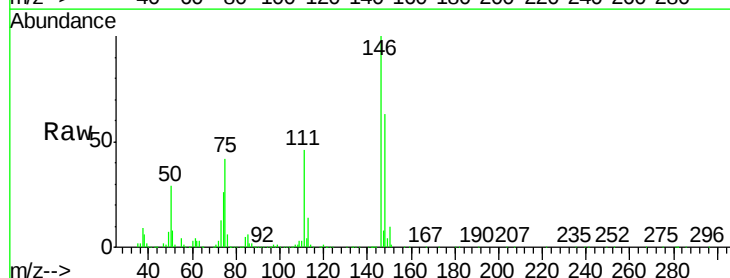
Manual Integrations
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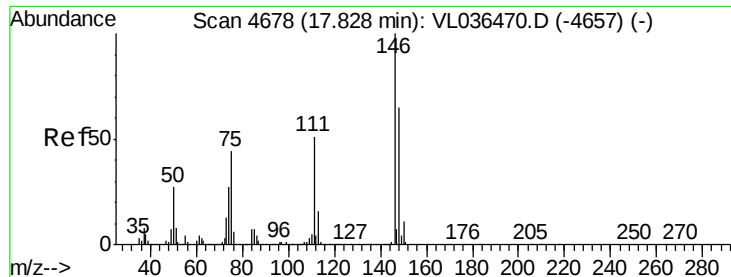
MMDadoda
 4/5/2021 6:46:48 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.070 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Tgt Ion:146 Resp: 1628384
 Ion Ratio Lower Upper
 146 100
 111 47.9 24.3 72.8
 148 66.8 33.0 98.9





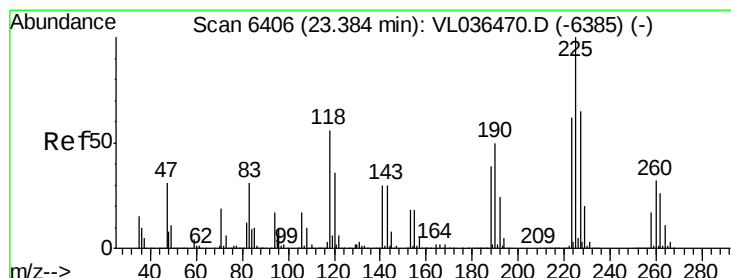
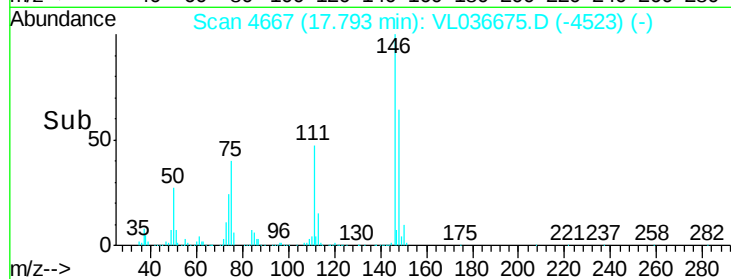
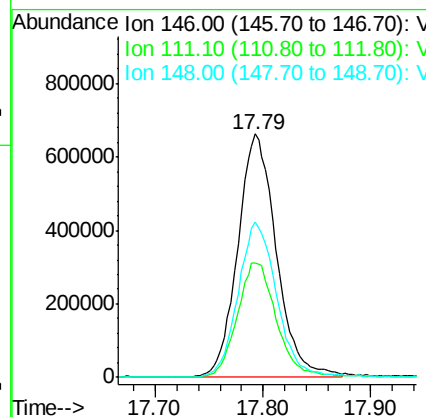
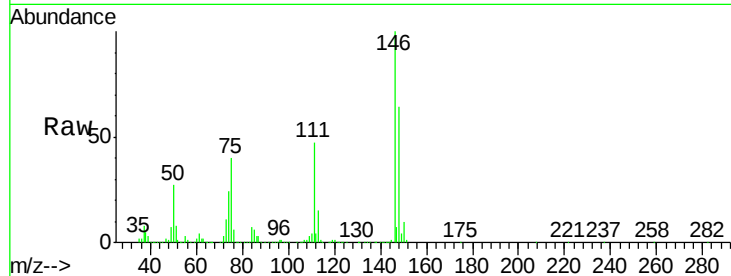
#77
 1,2-Dichlorobenzene
 Concen: 8.594 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.04 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1641847
 Ion Ratio Lower Upper
 146 100
 111 48.3 25.5 76.5
 148 64.3 32.9 98.6

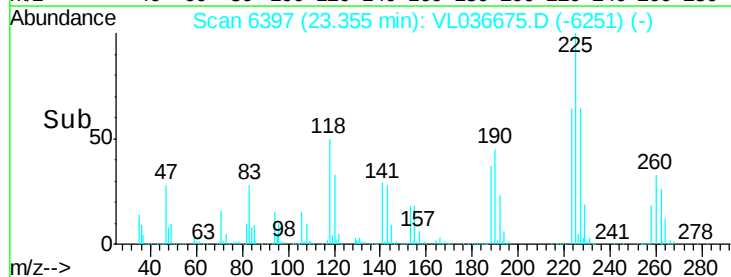
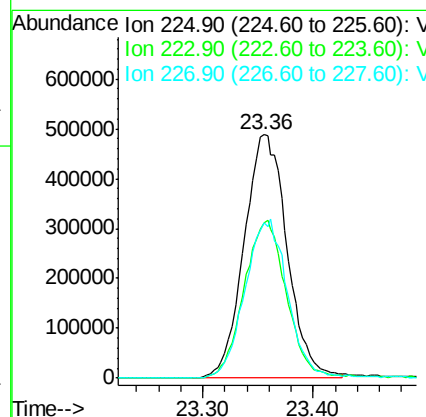
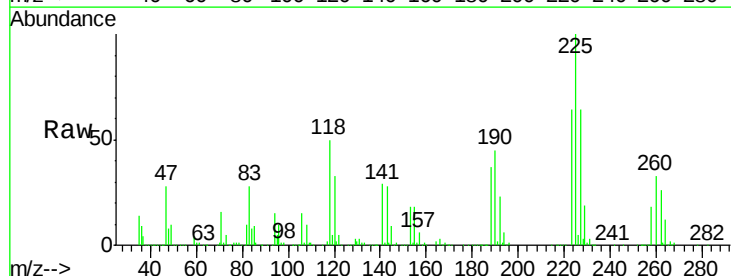
Manual Integrations
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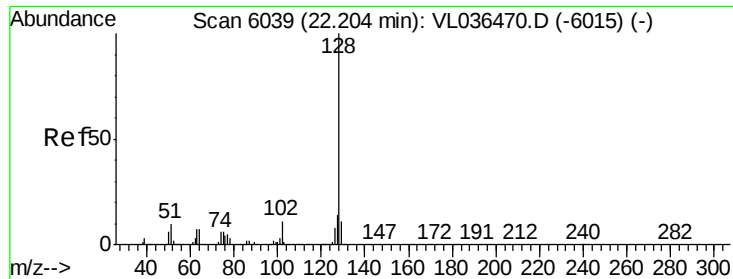
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.700 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Tgt Ion:225 Resp: 1317327
 Ion Ratio Lower Upper
 225 100
 223 64.5 50.6 75.8
 227 65.0 52.2 78.2





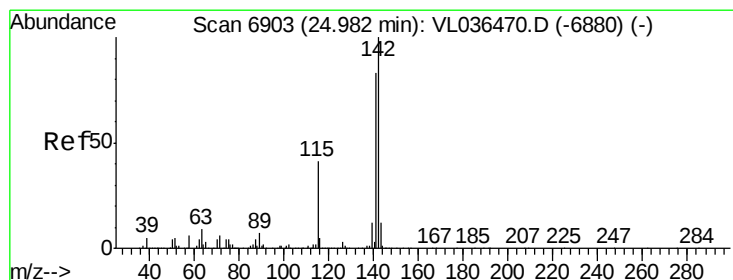
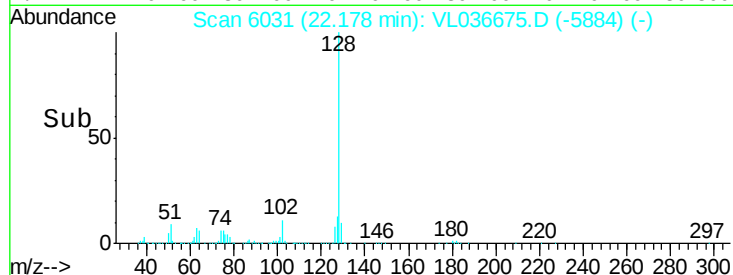
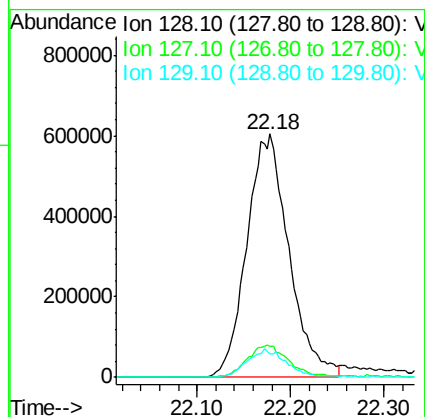
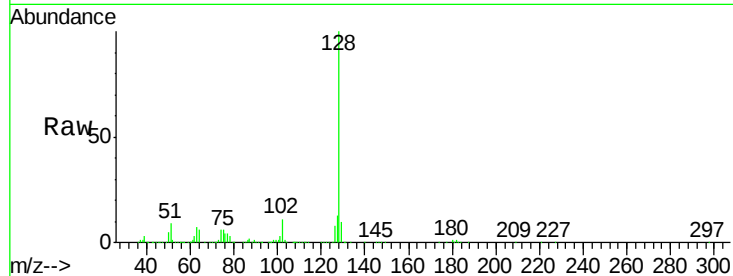
#79
Naphthalene
Concen: 8.965 ppbv m
RT: 22.18 min Scan# 6031
Delta R.T. -0.03 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.9	16.3
129	9.6	9.0	13.4

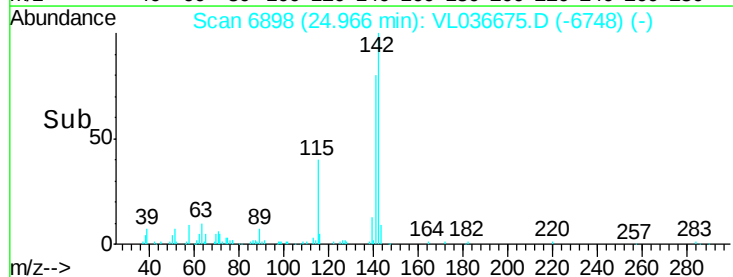
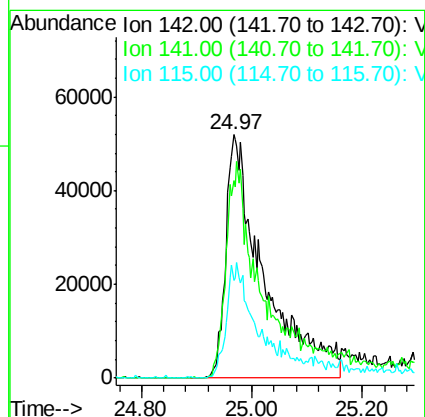
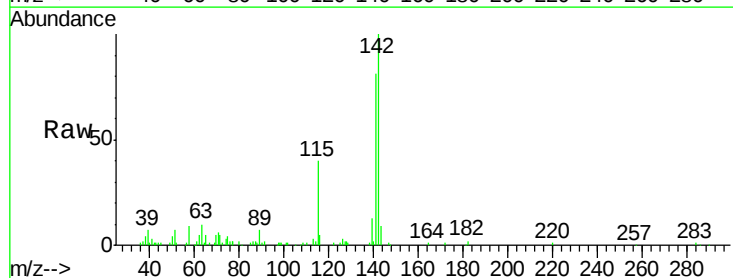
Manual Integrations
APPROVED

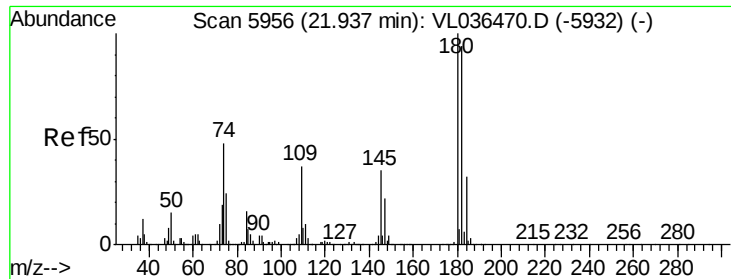
MMDadoda
4/5/2021 6:46:48 PM



#80
Naphthalene, 2-methyl-
Concen: 5.974 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. -0.02 min
Lab File: VL036675.D
Acq: 3 Apr 2021 11:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.5	67.8	101.8
115	34.8	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.195 ppbv
 RT: 21.91 min Scan# 5946
 Delta R.T. -0.03 min
 Lab File: VL036675.D
 Acq: 3 Apr 2021 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	80.8	121.2
184	32.4	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 4/5/2021 6:46:48 PM

