

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036424.D
 Acq On : 2 Mar 2021 9:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 1:52:21 PM

Quant Time: Mar 03 03:33:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1543824	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3593688	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3225587m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2762003m	10.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1713180	7.435 ppbv	99
3) Chlorodifluoromethane	2.98	51	1818157	9.478 ppbv	99
4) Chloromethane	3.13	50	922386	9.953 ppbv	97
5) Vinyl Chloride	3.25	62	888761	10.299 ppbv	100
6) Bromomethane	3.46	94	527501	10.284 ppbv	96
7) Chloroethane	3.55	64	312349	10.194 ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	2001249	9.550 ppbv	98
9) Propene	3.00	41	837254	11.707 ppbv	100
10) Heptane	8.11	43	2143607	10.170 ppbv	99
11) Trichlorofluoromethane	3.94	101	2197174	9.739 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1387805	9.930 ppbv	100
13) Ethanol	3.60	45	149362	11.119 ppbv	93
14) Bromoethene	3.73	108	605736	10.356 ppbv	97
15) Acetone	3.84	43	1737284	9.206 ppbv	99
16) 1,3-Butadiene	3.31	39	863633	9.571 ppbv	99
17) tert-Butyl alcohol	4.28	59	1435701	9.801 ppbv	99
18) 1,1-Dichloroethene	4.28	96	588924	9.272 ppbv	94
19) Isopropyl Alcohol	3.96	45	973301	9.309 ppbv	# 98
20) Methylene Chloride	4.33	84	534045	8.772 ppbv	95
21) Allyl Chloride	4.40	41	996733	9.487 ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	579851	10.051 ppbv	98
23) Vinyl Acetate	5.06	43	2241767	10.103 ppbv	# 97
24) 1,1-Dichloroethane	5.00	63	1618282	9.861 ppbv	99
25) Ethyl Acetate	5.67	43	3587892	9.848 ppbv	99
26) Hexane	5.67	57	1479329	9.883 ppbv	98
27) Carbon Disulfide	4.54	76	1539677	11.192 ppbv	97
28) Methyl tert-Butyl Ether	5.02	73	1962878	10.038 ppbv	100
29) Chloroform	5.74	83	2335768	9.686 ppbv	99
30) Cyclohexane	7.11	84	1211921	9.735 ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1485728	10.031 ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2276350	10.097 ppbv	98
34) 2-Butanone	5.23	43	2263750	9.481 ppbv	99
35) Carbon Tetrachloride	7.01	117	2347291	9.746 ppbv	99
36) Benzene	6.88	78	3064527	10.039 ppbv	98
37) 1,2-Dichloroethane	6.29	62	1793017	9.500 ppbv	99
38) Trichloroethene	7.82	130	1059381	9.687 ppbv	95
39) 1,2-Dichloropropane	7.60	63	1232732	9.941 ppbv	97
40) 1,4-Dioxane	7.82	88	386343	8.992 ppbv	# 1
41) Tetrahydrofuran	6.03	42	1359523	10.203 ppbv	99
42) Bromodichloromethane	7.78	83	2473489	9.785 ppbv	98
43) Methyl Methacrylate	8.00	69	1343346	10.434 ppbv	100

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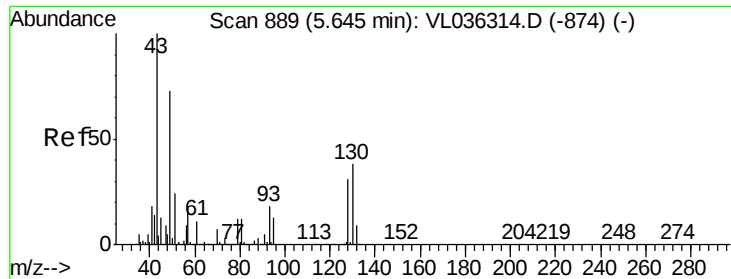
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5231972	9.425	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1444652	11.632	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1749043	11.087	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1241138	9.780	ppbv	97
48) Dibromochloromethane	10.29	129	1997330	10.547	ppbv	99
49) Bromoform	13.03	173	1694443	11.068	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	3544410	9.999	ppbv	99
51) 2-Hexanone	10.12	43	2852272	10.590	ppbv	98
52) Tetrachloroethene	11.21	164	1006065	9.002	ppbv	98
53) Toluene	9.79	91	3406700	10.303	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1822353	9.937	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1510488	10.181	ppbv #	58
57) Chlorobenzene	12.14	112	2440780	9.794	ppbv	97
58) Ethyl Benzene	12.70	91	4623581	10.468	ppbv	97
59) m/p-Xylene	12.98	91	7764123m	20.012	ppbv	
60) o-Xylene	13.68	91	3687461	9.941	ppbv	100
61) Styrene	13.52	104	2629881	11.440	ppbv	99
62) Isopropylbenzene	14.66	105	5456718	9.814	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2699742	9.224	ppbv	99
64) n-propylbenzene	15.55	120	1433187	10.473	ppbv	99
65) tert-Butylbenzene	16.73	119	4710607	9.902	ppbv	97
66) Benzyl Chloride	16.98	91	1731394	13.387	ppbv	99
67) sec-Butylbenzene	17.28	105	6699176	9.764	ppbv	99
69) p-Isopropyltoluene	17.64	119	5466510	10.310	ppbv	99
70) n-Butylbenzene	18.54	91	5789870	10.183	ppbv	100
71) 2-Chlorotoluene	15.44	91	4333987	10.168	ppbv	98
72) 4-Ethyltoluene	15.83	105	4272049	10.349	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4032499	10.077	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4053608	9.922	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	2228914	10.052	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2201465	9.560	ppbv	96
77) 1,2-Dichlorobenzene	17.81	146	2198370	9.994	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1541030	8.575	ppbv	100
79) Naphthalene	22.18	128	2977642	12.296	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	783895	17.482	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1571081m	10.633	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

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MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1543824

Ion Ratio Lower Upper

49 100

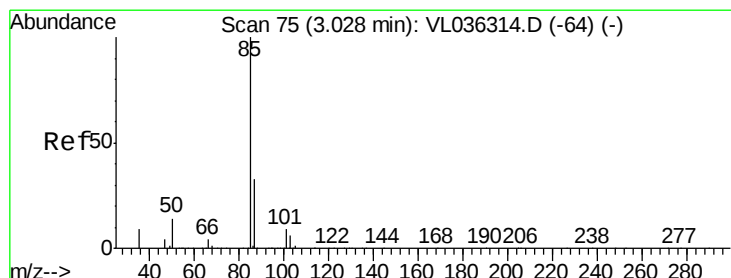
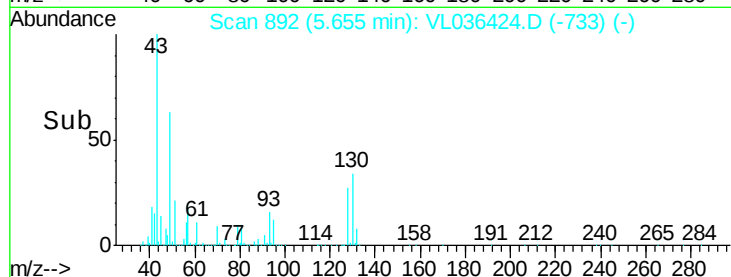
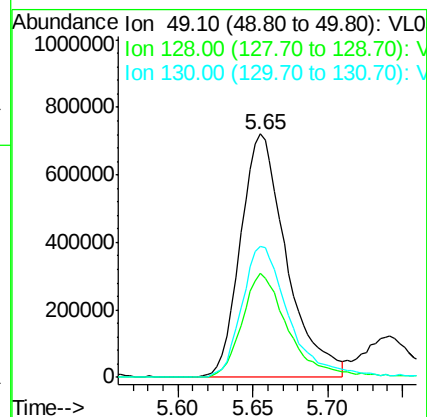
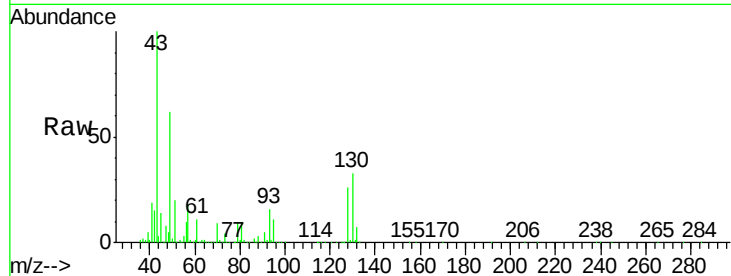
128 43.6 20.8 62.5

130 56.3 26.7 80.1

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#2

Dichlorodifluoromethane

Concen: 7.435 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL036424.D

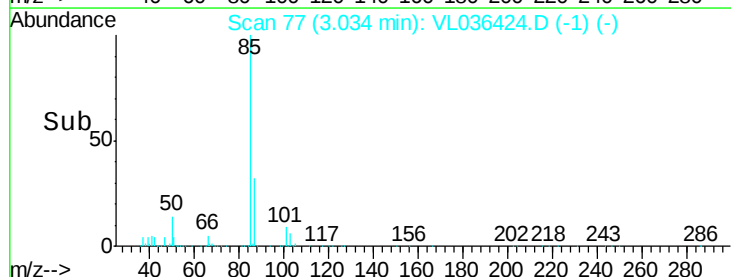
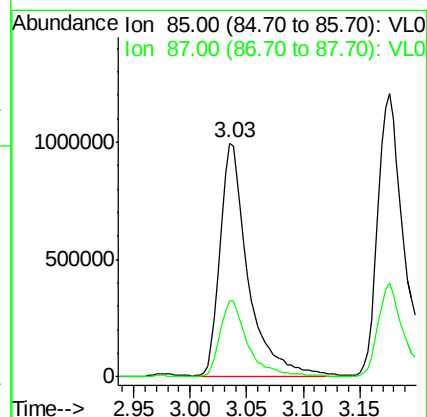
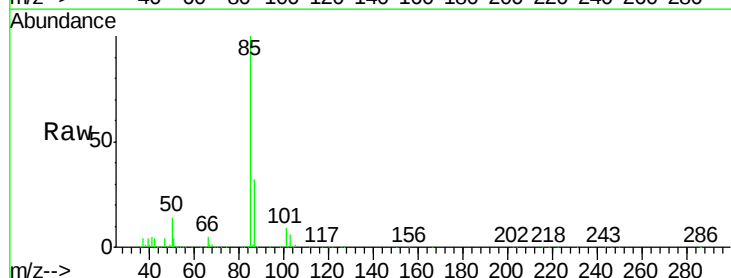
Acq: 2 Mar 2021 9:47

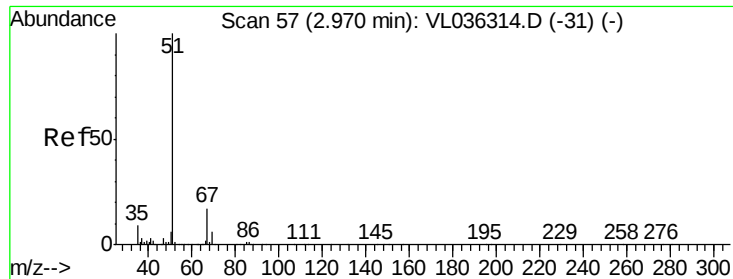
Tgt Ion: 85 Resp: 1713180

Ion Ratio Lower Upper

85 100

87 32.4 26.5 39.7





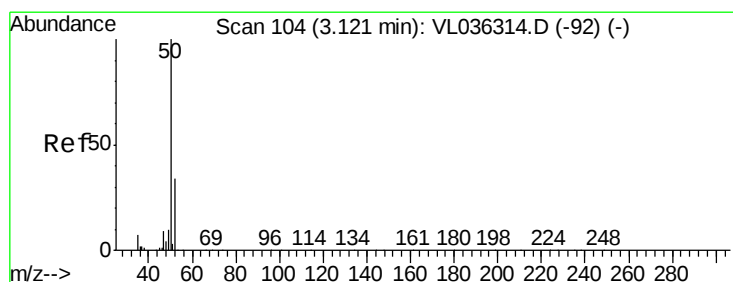
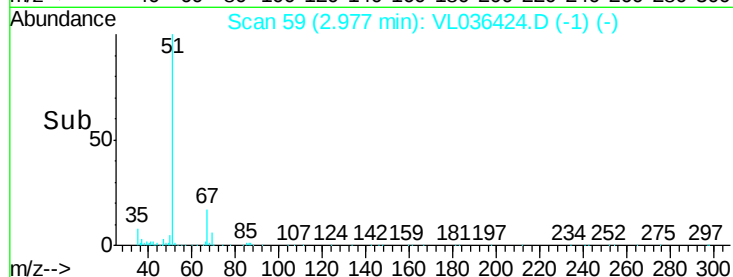
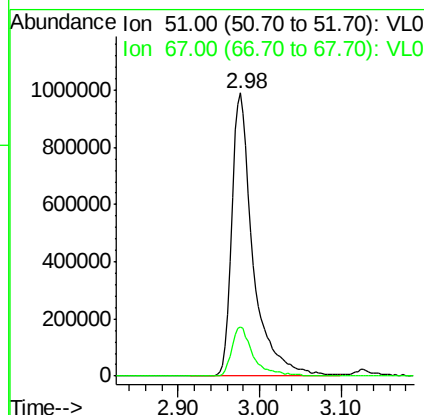
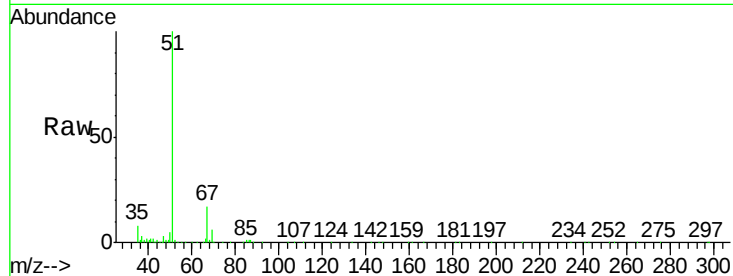
#3
Chlorodifluoromethane
Concen: 9.478 ppbv
RT: 2.98 min Scan# 59
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
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VSTDCCC010

Tot Ion: 51 Resp: 1818157
Ion Ratio Lower Upper
51 100
67 17.9 14.7 22.1

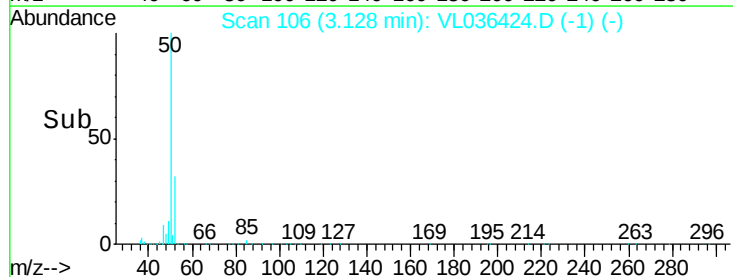
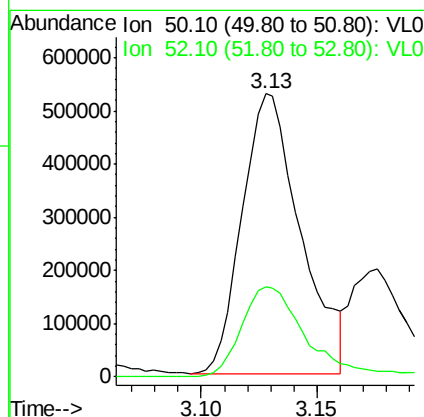
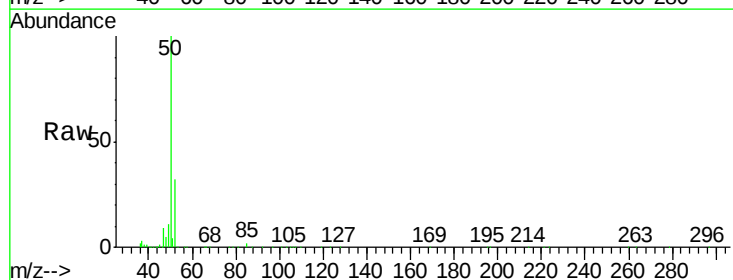
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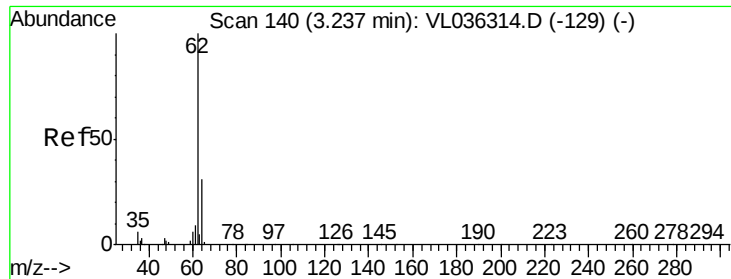
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#4
Chloromethane
Concen: 9.953 ppbv
RT: 3.13 min Scan# 106
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion: 50 Resp: 922386
Ion Ratio Lower Upper
50 100
52 32.1 27.0 40.4





#5

Vinyl Chloride

Concen: 10.299 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 888761

Ion Ratio Lower Upper

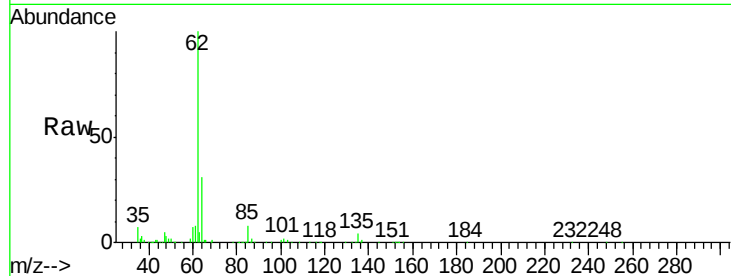
62 100

64 30.6 24.4 36.6

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

500000

400000

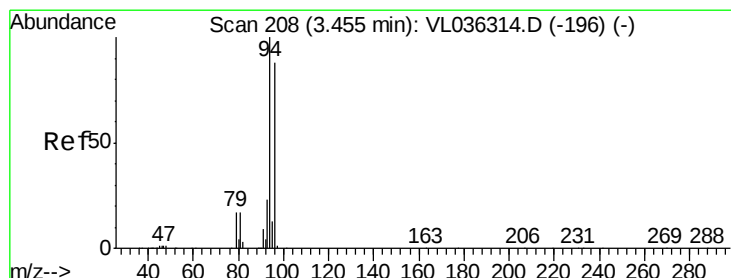
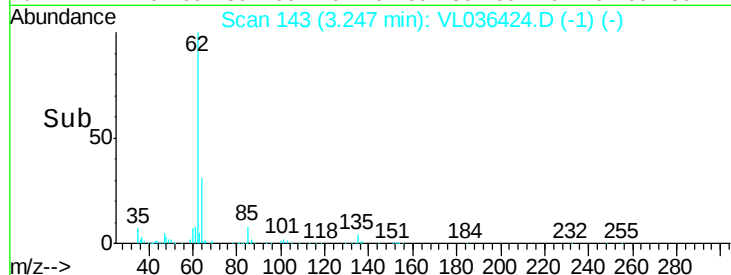
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.284 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.01 min

Lab File: VL036424.D

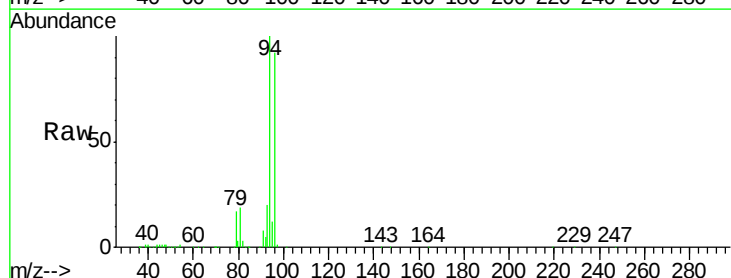
Acq: 2 Mar 2021 9:47

Tgt Ion: 94 Resp: 527501

Ion Ratio Lower Upper

94 100

96 92.0 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

300000

250000

200000

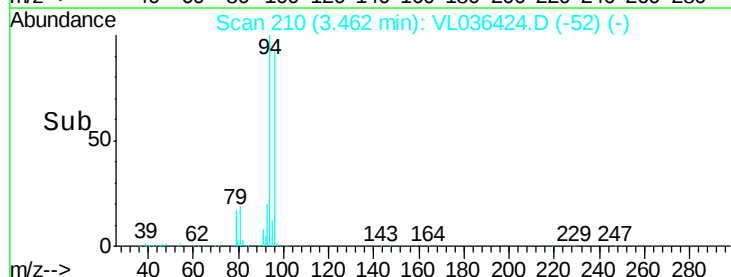
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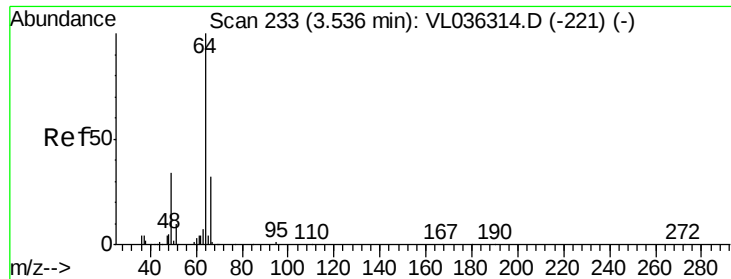
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50000

0

Time-->





#7

Chloroethane

Concen: 10.194 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 312349

Ion Ratio Lower Upper

64 100

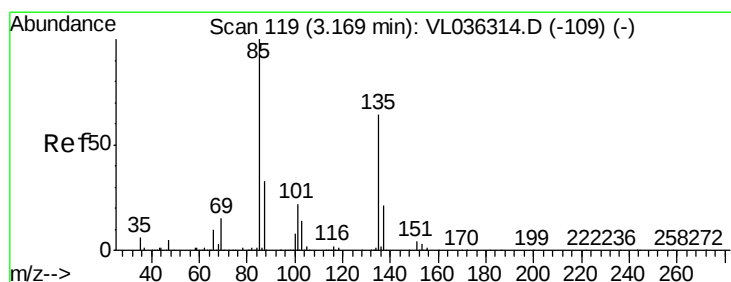
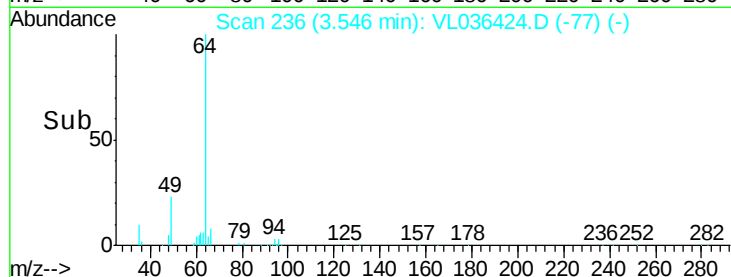
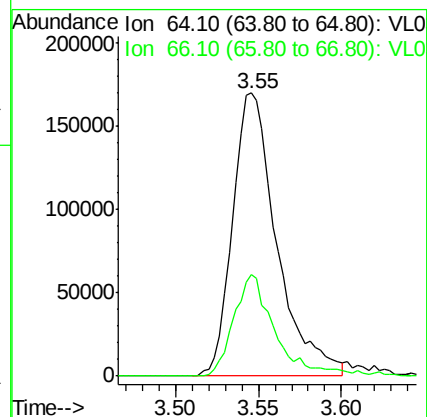
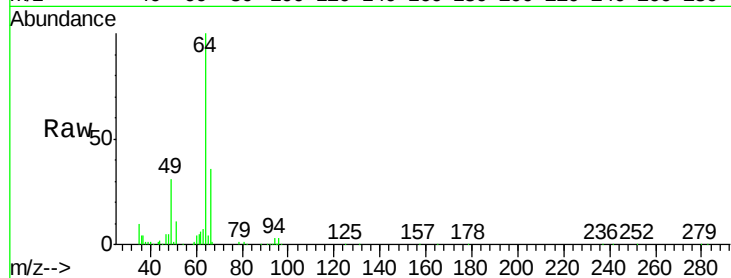
66 35.7 25.6 38.4

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#8

Dichlorotetrafluoroethane

Concen: 9.550 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.01 min

Lab File: VL036424.D

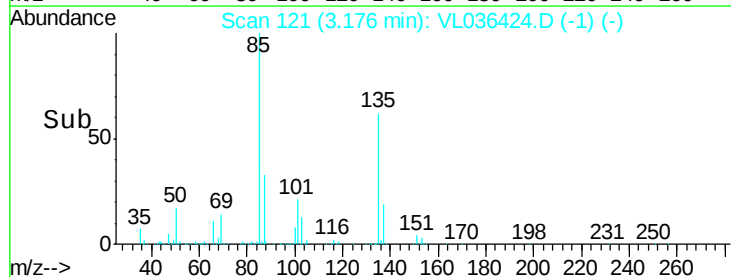
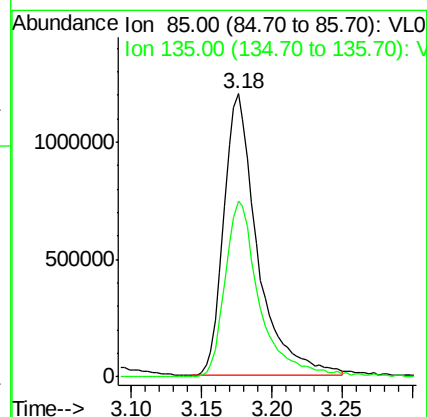
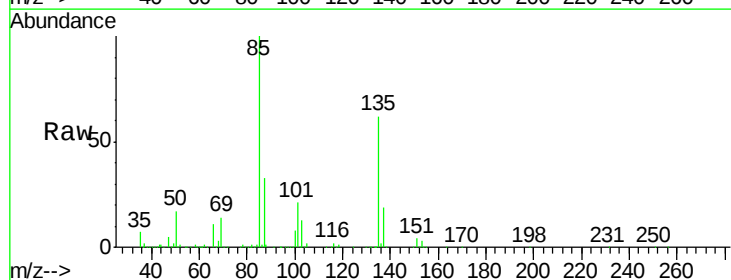
Acq: 2 Mar 2021 9:47

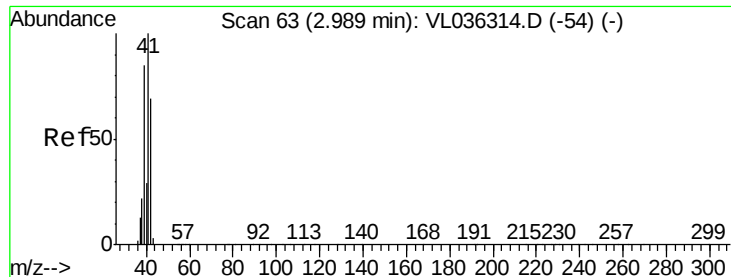
Tgt Ion: 85 Resp: 2001249

Ion Ratio Lower Upper

85 100

135 65.4 51.1 76.7





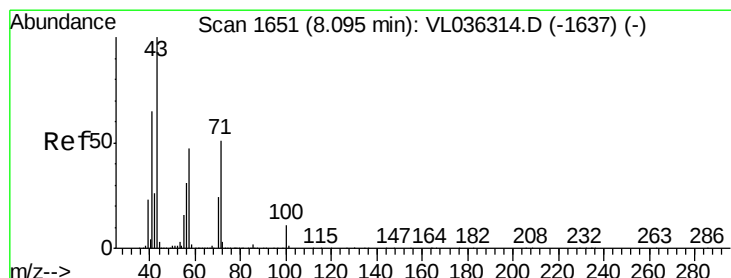
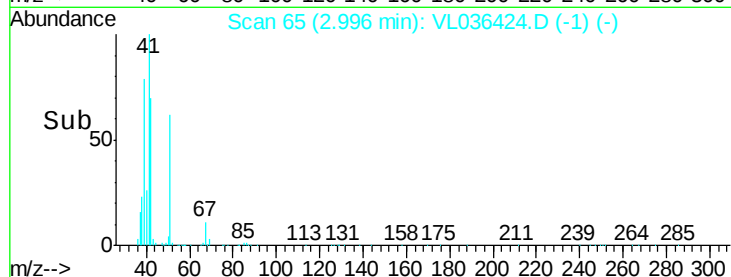
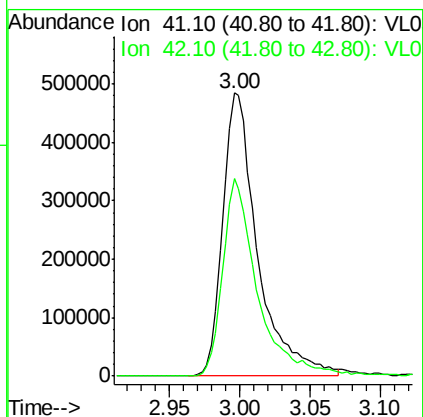
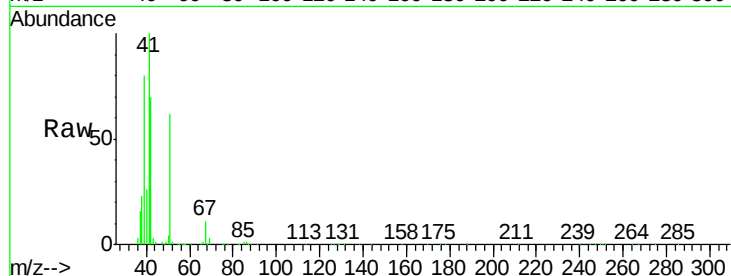
#9
 Propene
 Concen: 11.707 ppbv
 RT: 3.00 min Scan# 65
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 837254
 Ion Ratio Lower Upper
 41 100
 42 70.1 56.2 84.2

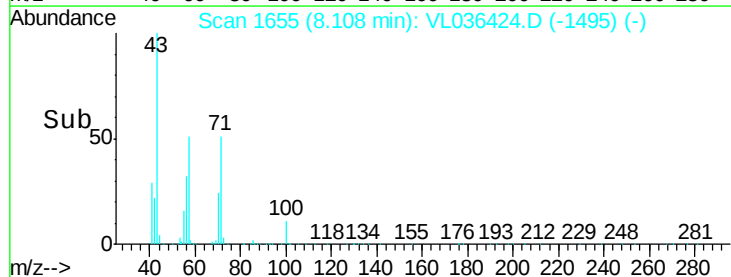
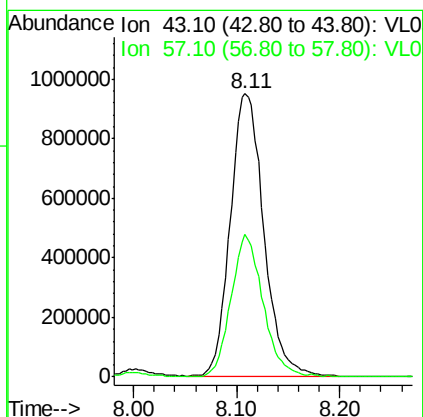
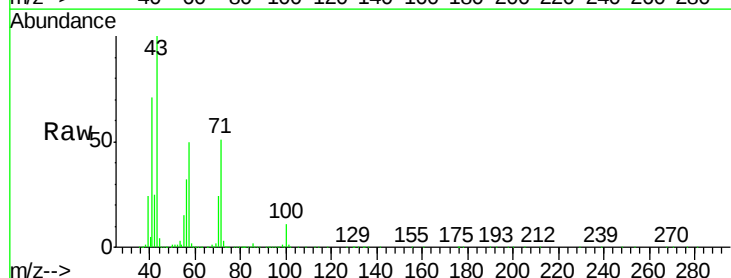
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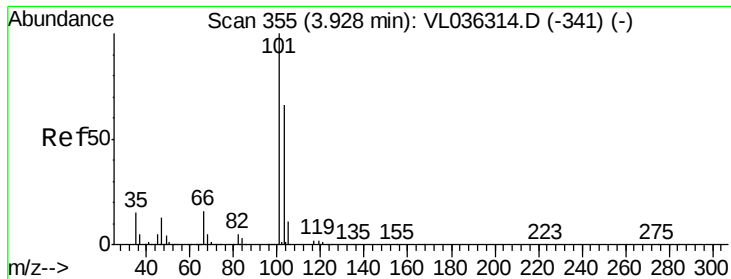
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#10
 Heptane
 Concen: 10.170 ppbv
 RT: 8.11 min Scan# 1655
 Delta R.T. 0.01 min
 Lab File: VL036424.D
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Tgt Ion: 43 Resp: 2143607
 Ion Ratio Lower Upper
 43 100
 57 48.5 39.4 59.2





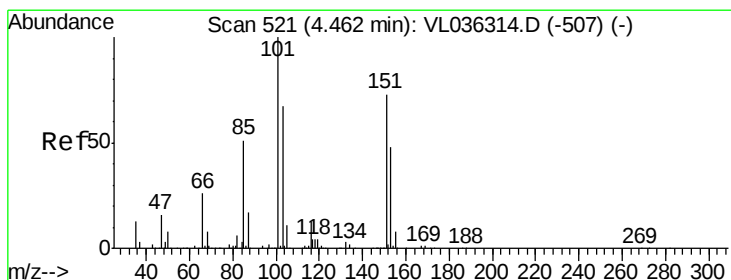
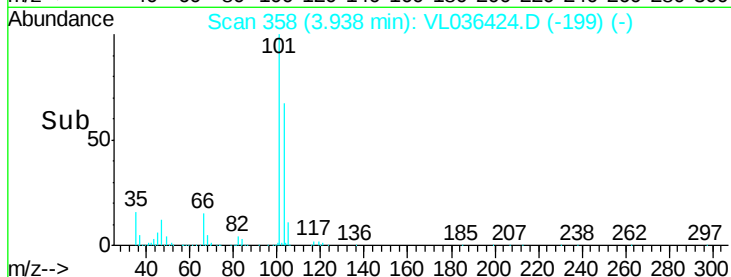
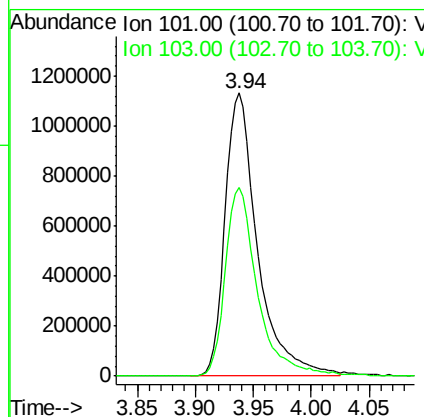
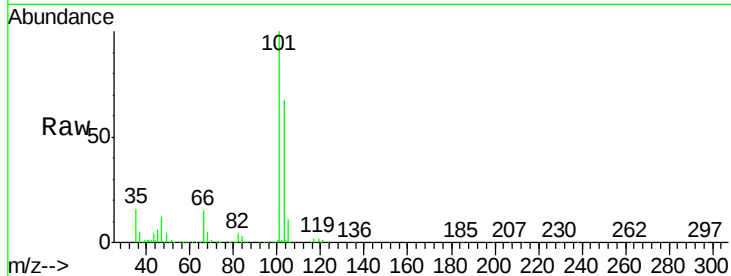
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 Trichlorofluoromethane
 Concen: 9.739 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2197174
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.9 79.3

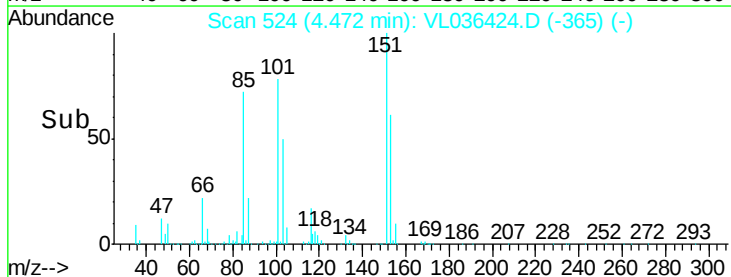
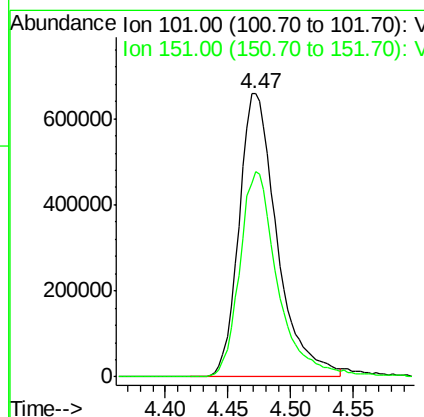
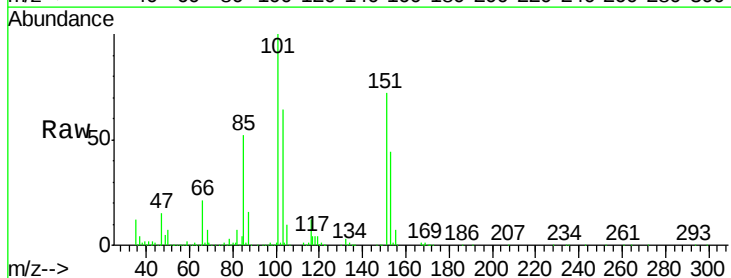
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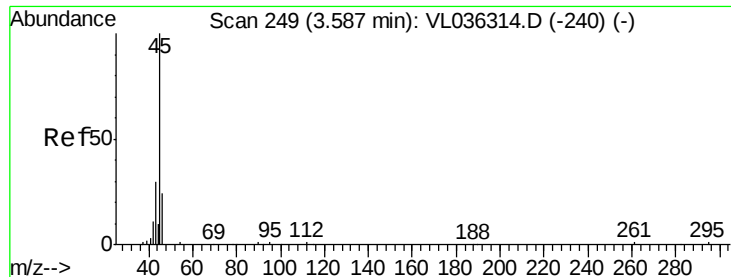
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.930 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Tgt Ion:101 Resp: 1387805
 Ion Ratio Lower Upper
 101 100
 151 73.0 58.2 87.4





#13

Ethanol

Concen: 11.119 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 149362

Ion Ratio Lower Upper

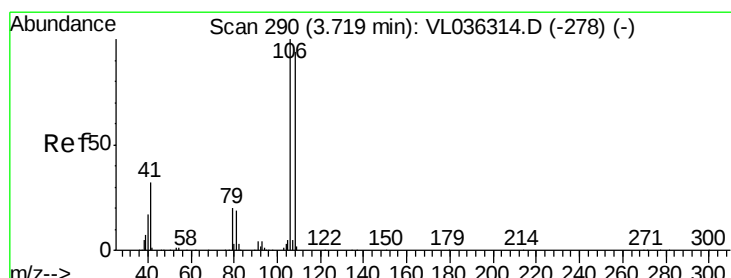
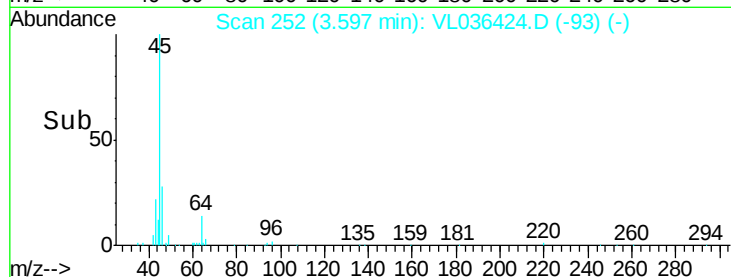
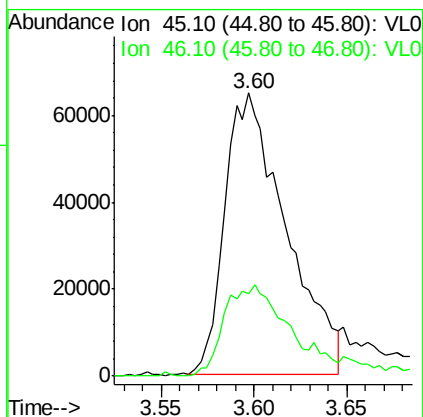
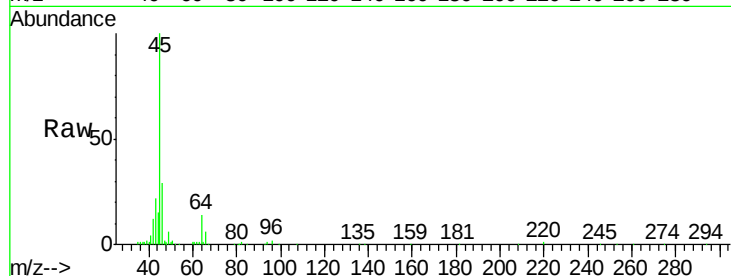
45 100

46 39.9 17.7 70.7

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#14

Bromoethene

Concen: 10.356 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

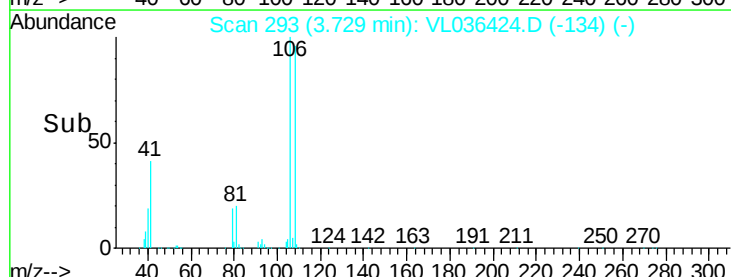
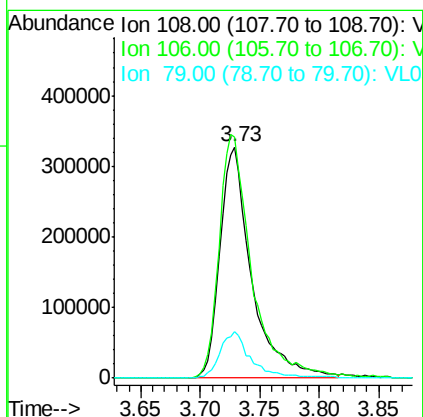
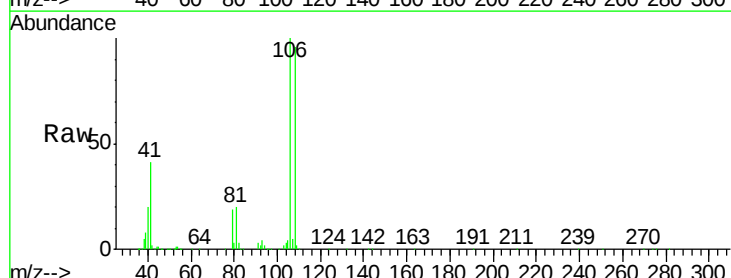
Tgt Ion: 108 Resp: 605736

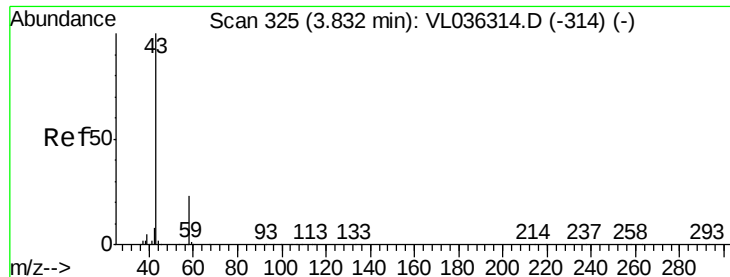
Ion Ratio Lower Upper

108 100

106 109.3 89.8 134.8

79 20.1 17.1 25.7





#15

Acetone

Concen: 9.206 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1737284

Ion Ratio Lower Upper

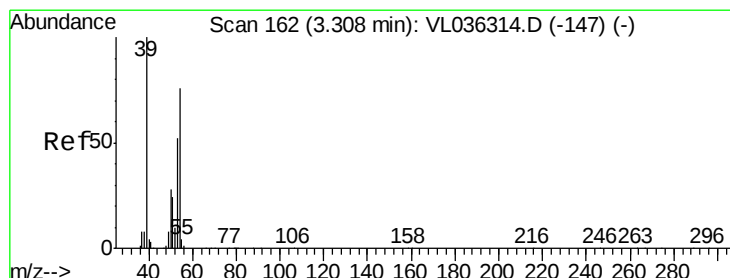
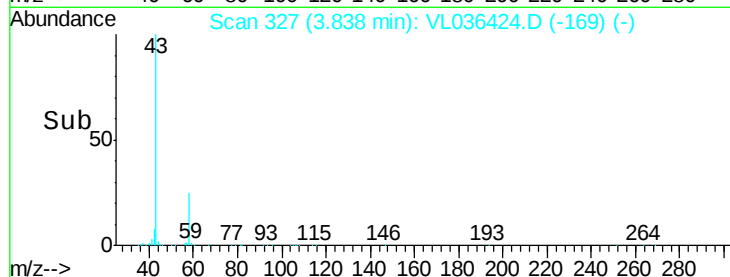
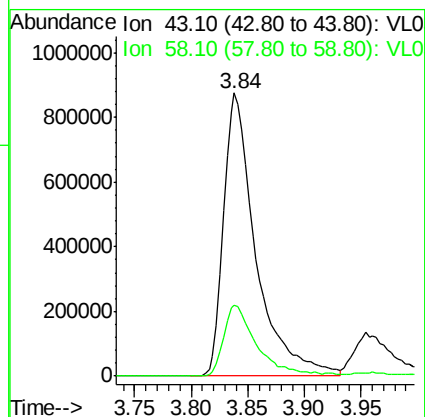
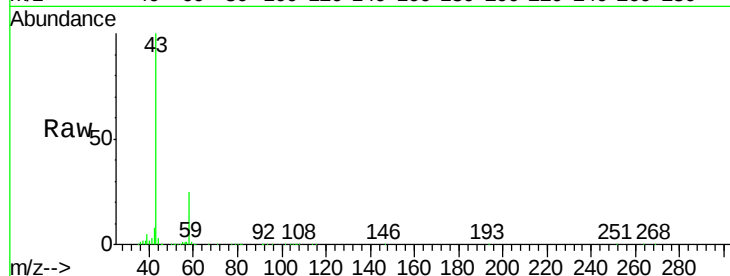
43 100

58 26.0 20.3 30.5

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#16

1,3-Butadiene

Concen: 9.571 ppbv

RT: 3.31 min Scan# 164

Delta R.T. 0.01 min

Lab File: VL036424.D

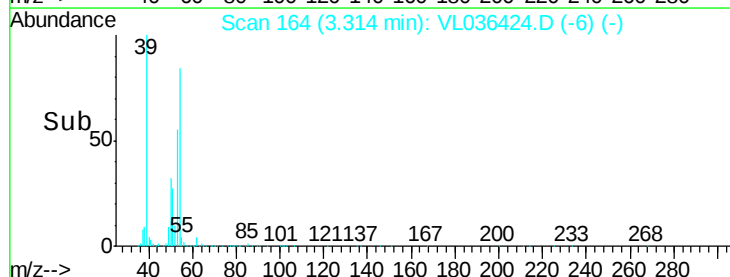
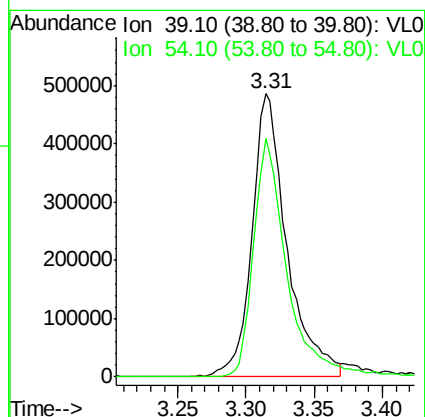
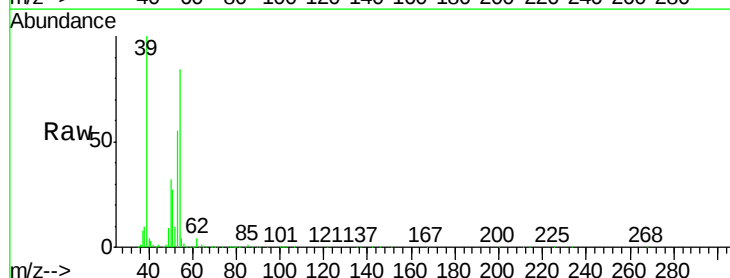
Acq: 2 Mar 2021 9:47

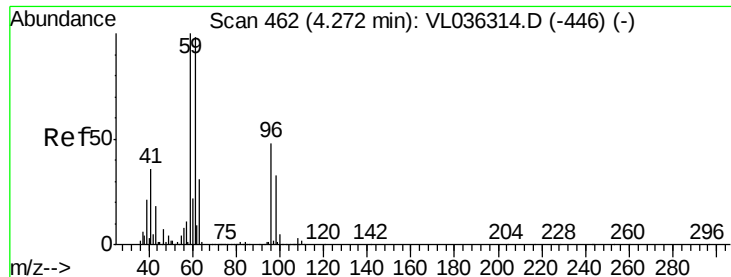
Tgt Ion: 39 Resp: 863633

Ion Ratio Lower Upper

39 100

54 81.3 64.4 96.6





#17

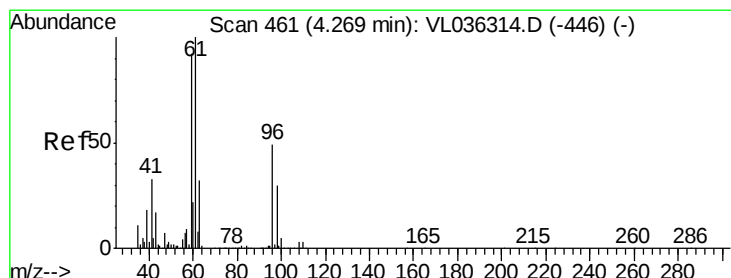
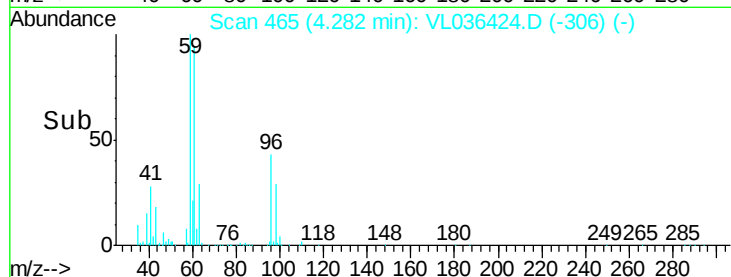
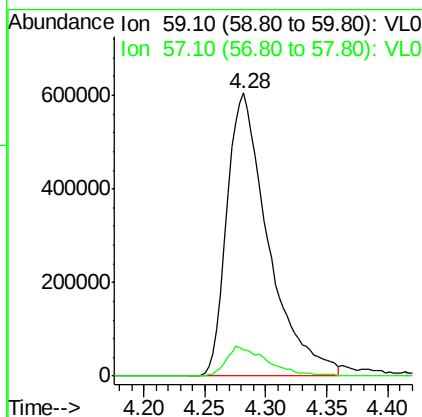
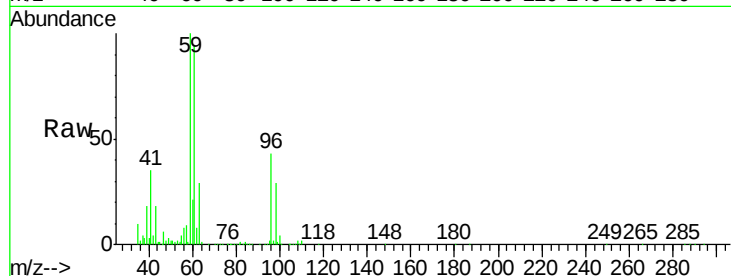
tert-Butyl alcohol
Concen: 9.801 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1435701
Ion Ratio Lower Upper
59 100
57 10.8 9.0 13.4

Manual Integrations
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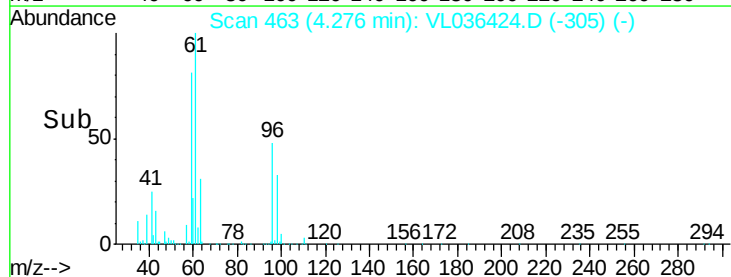
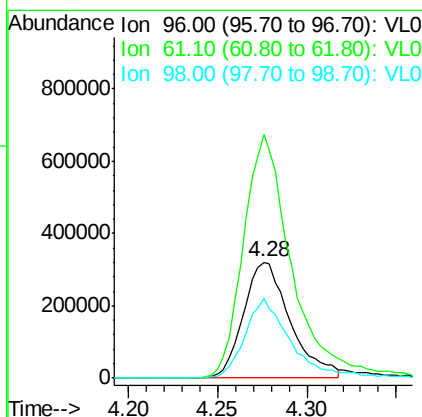
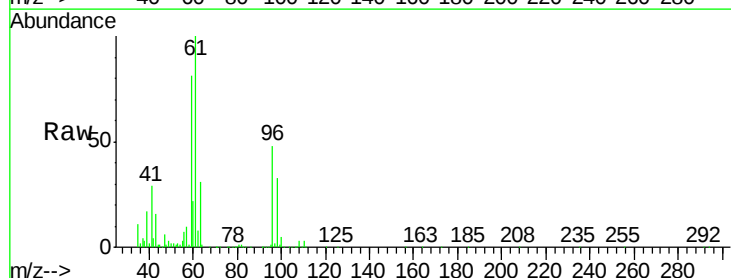
MMDadoda
3/3/2021 1:52:21 PM

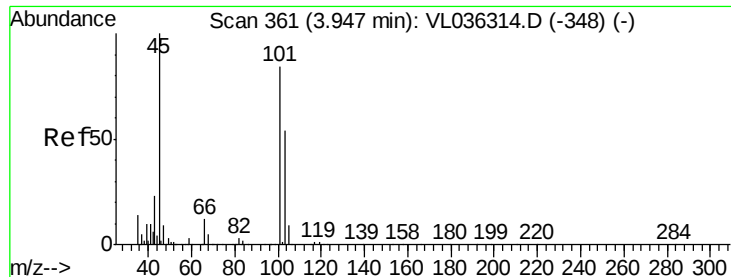


#18

1,1-Dichloroethene
Concen: 9.272 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion: 96 Resp: 588924
Ion Ratio Lower Upper
96 100
61 209.5 162.5 243.7
98 68.1 48.5 72.7





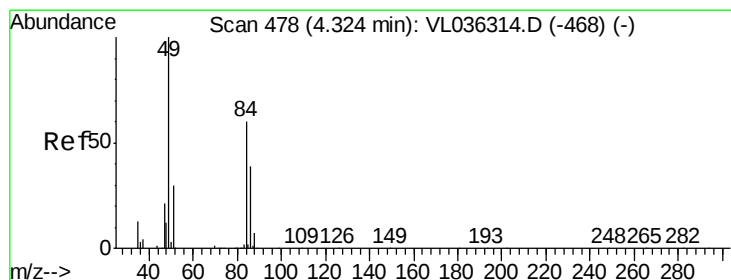
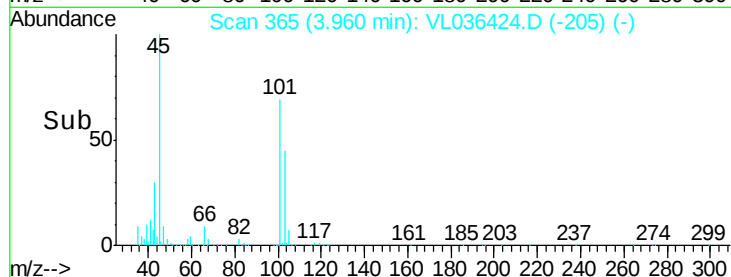
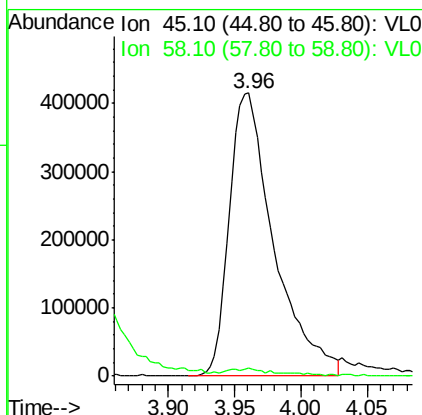
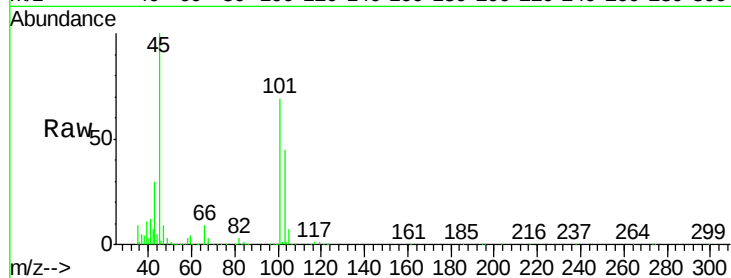
#19
Isopropyl Alcohol
Concen: 9.309 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.0	1.9	2.9#

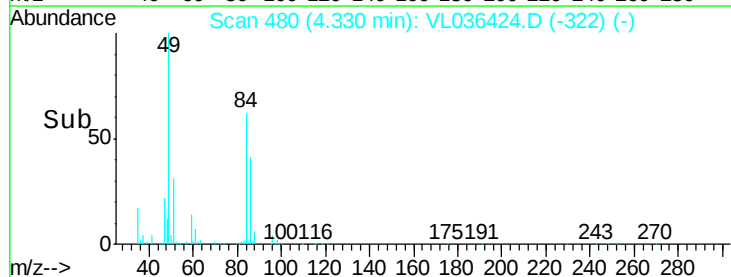
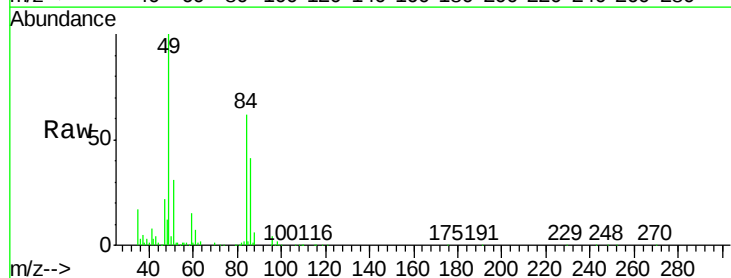
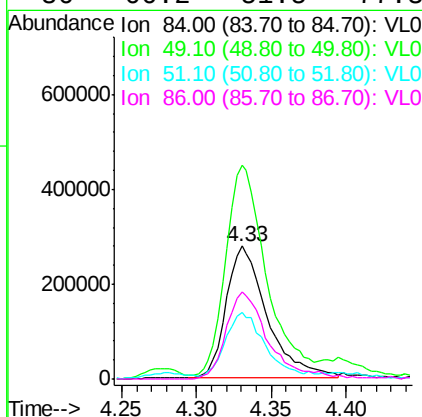
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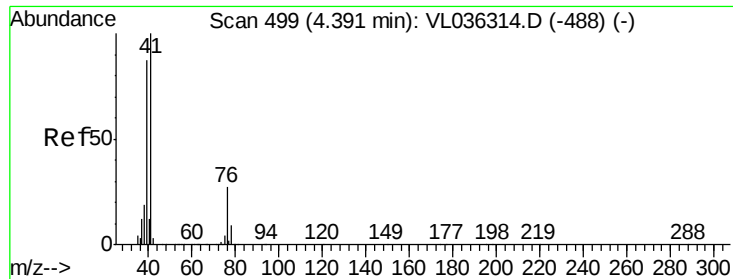
MMDadoda
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#20
Methylene Chloride
Concen: 8.772 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.9	133.8	200.8
51	47.4	41.4	62.0
86	66.2	51.5	77.3





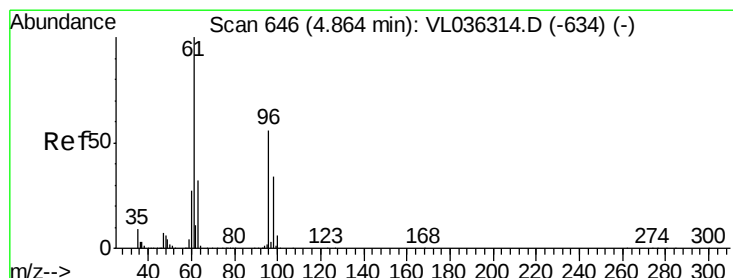
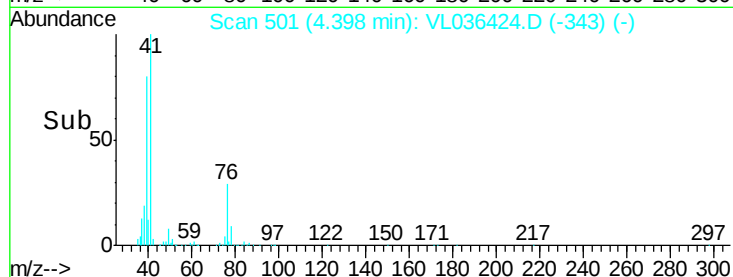
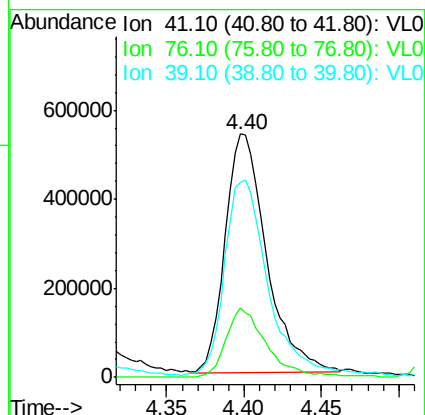
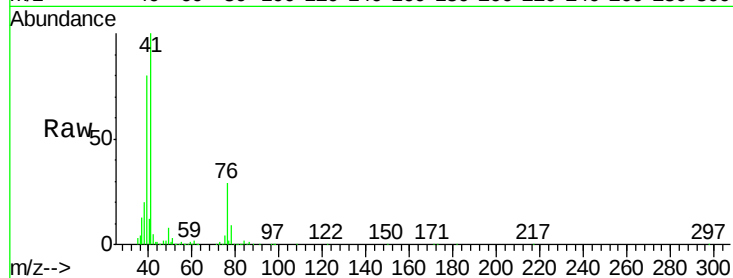
#21
Allvl Chloride
Concen: 9.487 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.8	22.0	33.0
39	88.0	70.2	105.2

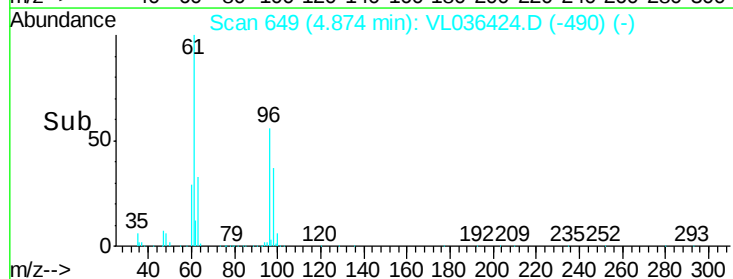
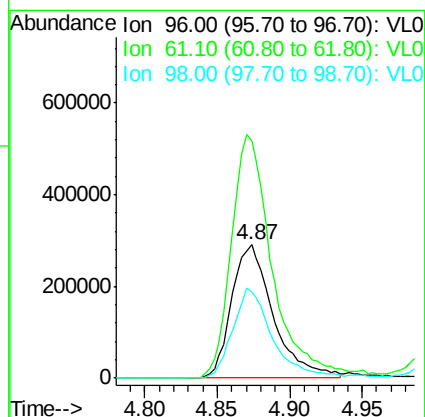
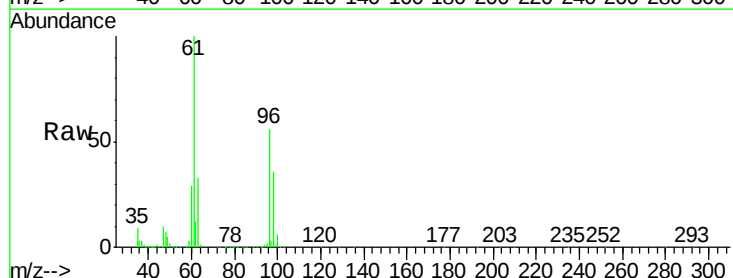
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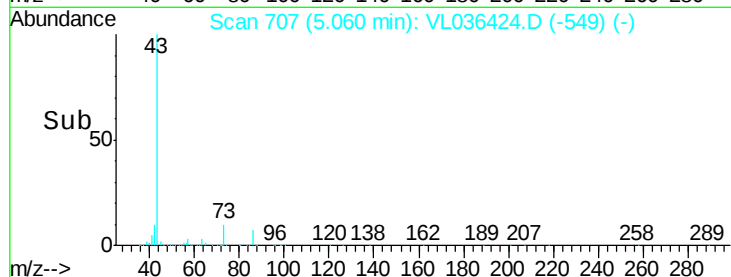
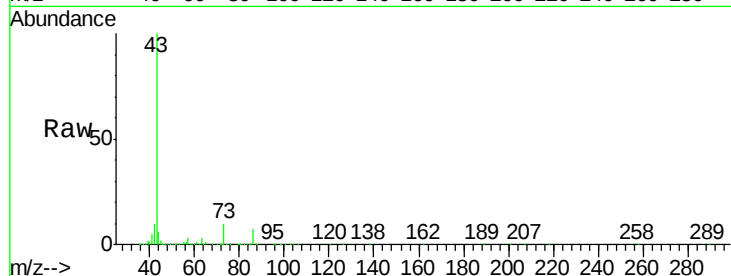
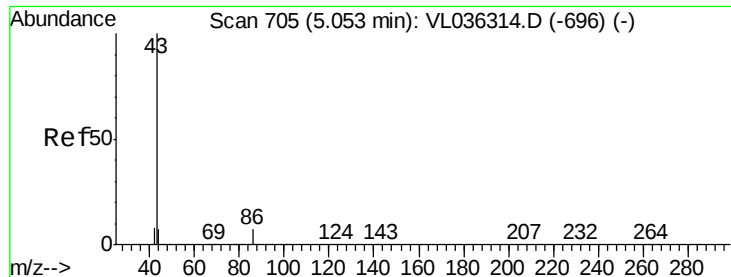
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.051 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

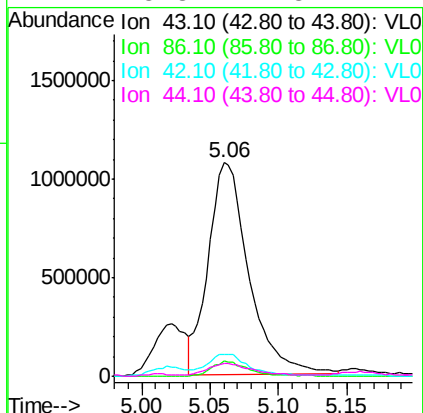
Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.8	143.7	215.5
98	64.7	48.5	72.7





#23
 Vinyl Acetate
 Concen: 10.103 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

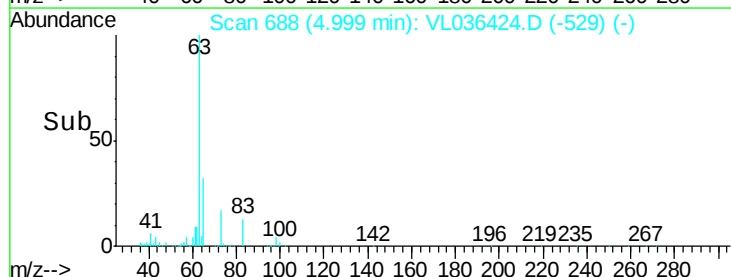
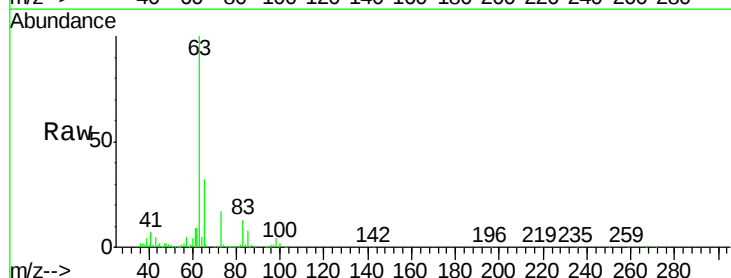
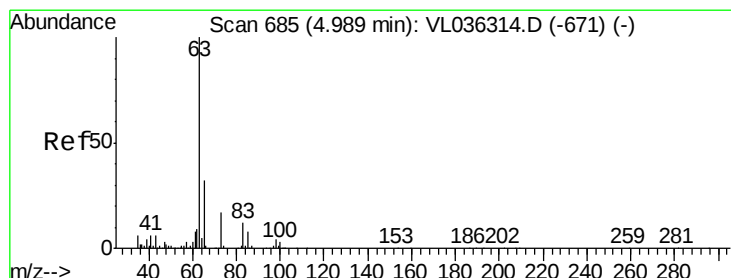
Tot Ion	43	Resp	2241767
Ion	Ratio	Lower	Upper
43	100		
86	7.2	4.8	7.2#
42	10.0	7.4	11.0
44	5.3	4.8	7.2



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

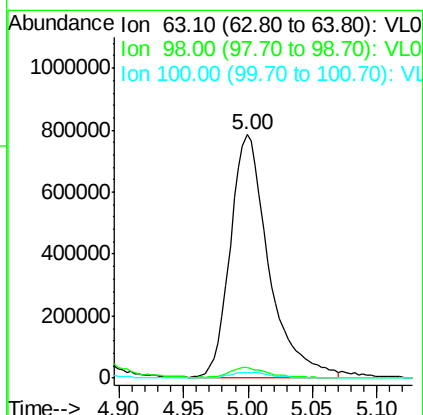
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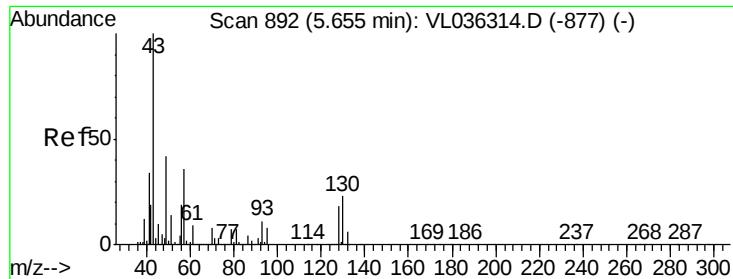
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 3/3/2021 1:52:21 PM



#24
 1,1-Dichloroethane
 Concen: 9.861 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Tgt Ion	63	Resp	1618282
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.0	6.0
100	2.3	1.5	4.4





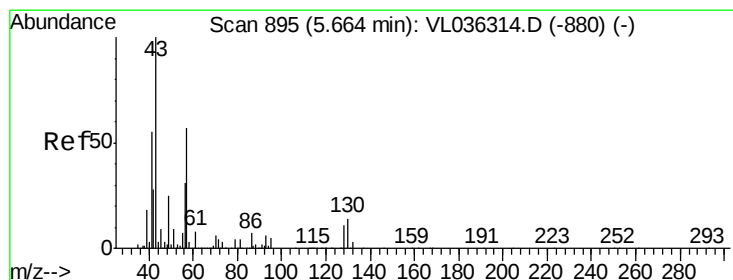
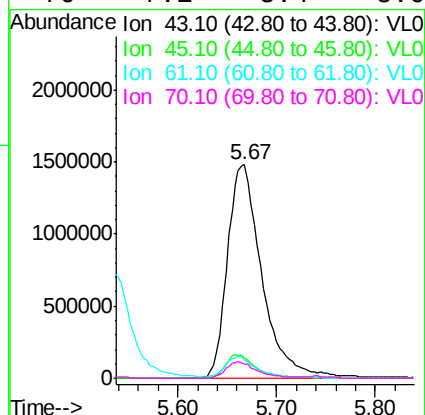
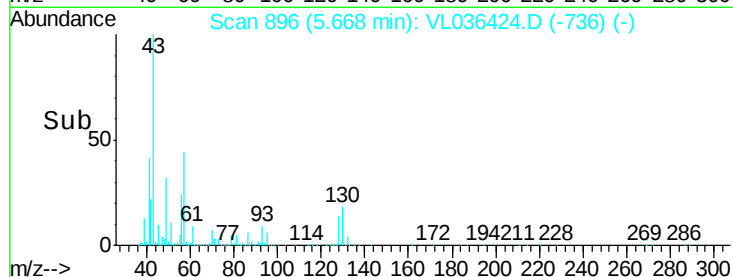
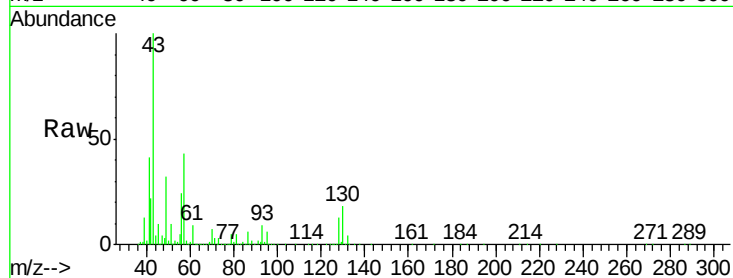
#25
Ethyl Acetate
Concen: 9.848 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
45	45	10.1	8.3	12.5
61	61	9.5	7.3	10.9
70	70	7.1	5.4	8.0

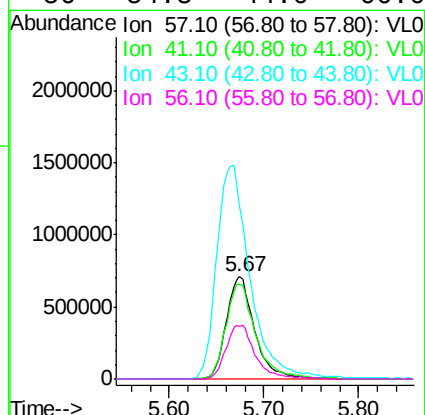
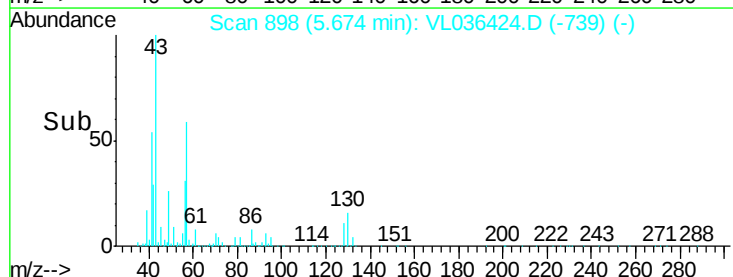
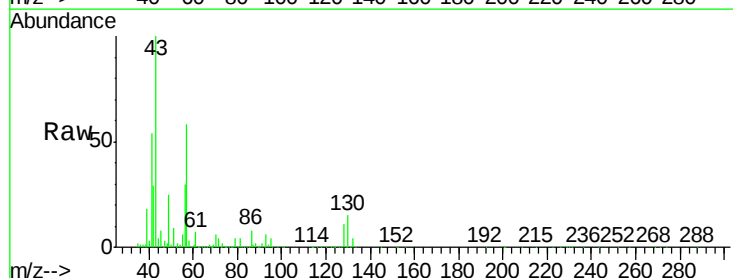
Manual Integrations
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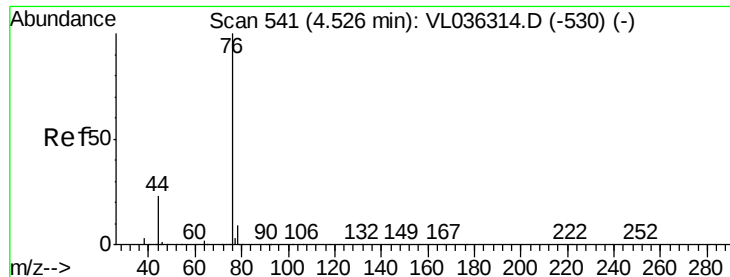
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#26
Hexane
Concen: 9.883 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion	Ion	Ratio	Lower	Upper
57	57	100		
41	41	98.8	81.7	122.5
43	43	245.4	199.1	298.7
56	56	54.8	44.0	66.0





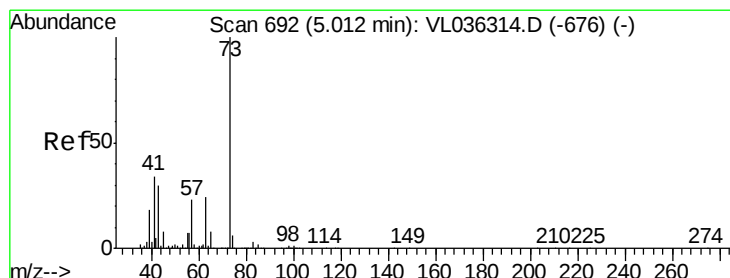
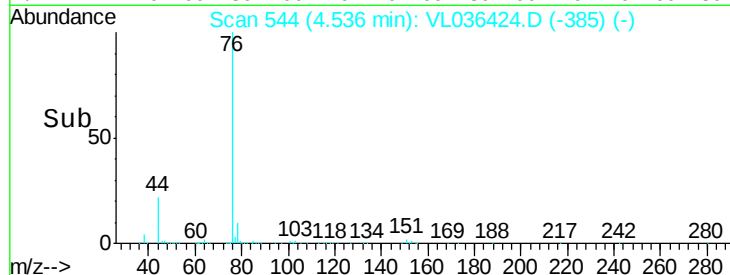
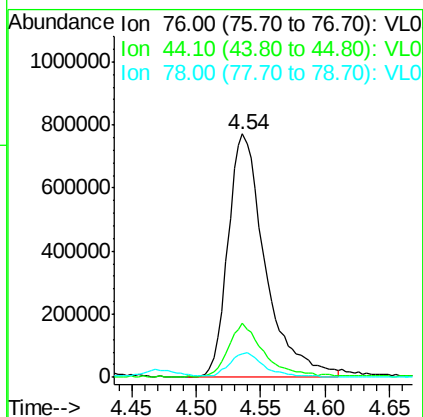
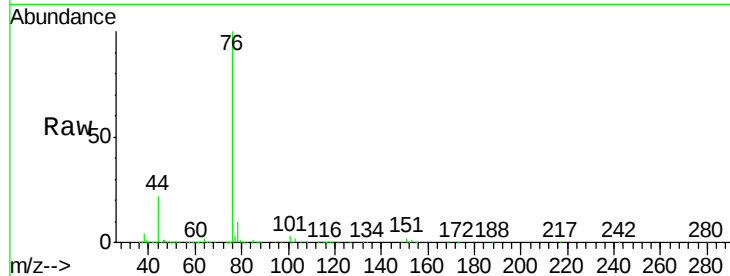
#27
Carbon Disulfide
Concen: 11.192 ppbv
RT: 4.54 min Scan# 544
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
76	76	100		
44	44	21.2	18.4	27.6
78	78	9.4	8.0	12.0

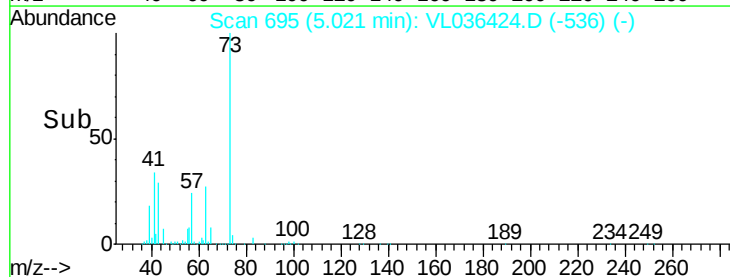
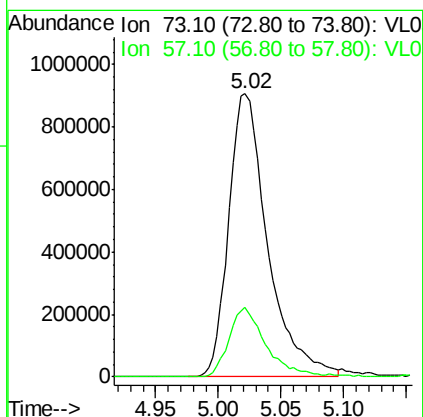
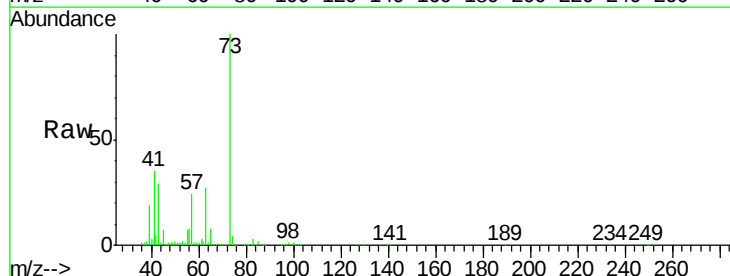
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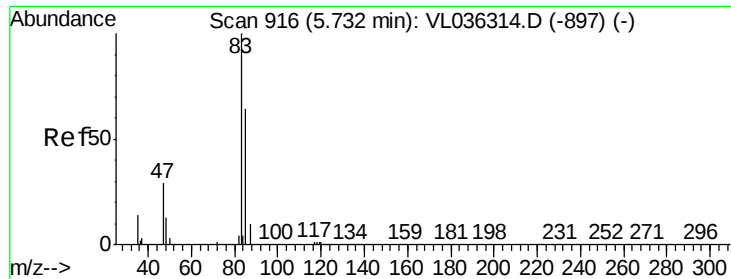
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3/3/2021 1:52:21 PM



#28
Methyl tert-Butyl Ether
Concen: 10.038 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	23.8	19.2	28.8





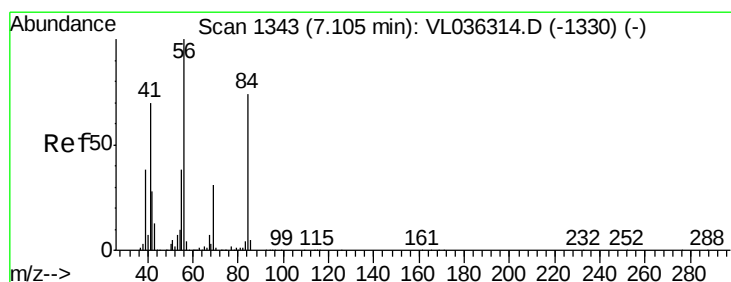
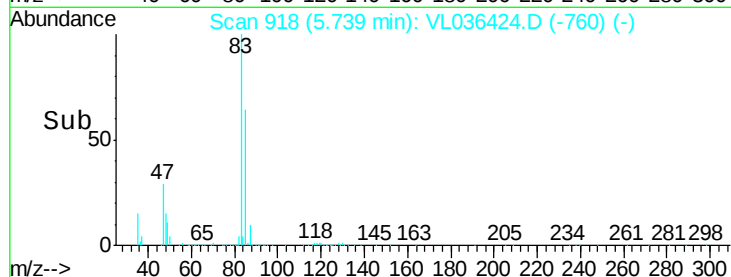
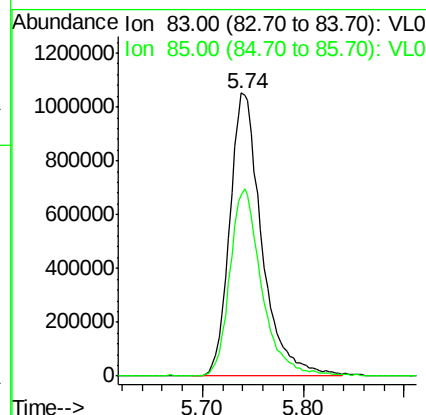
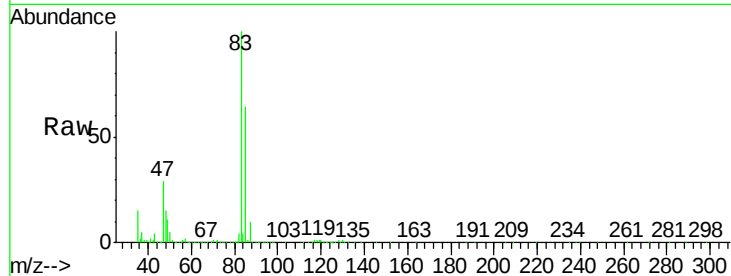
#29
Chloroform
Concen: 9.686 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2335768
Ion Ratio Lower Upper
83 100
85 63.6 51.4 77.2

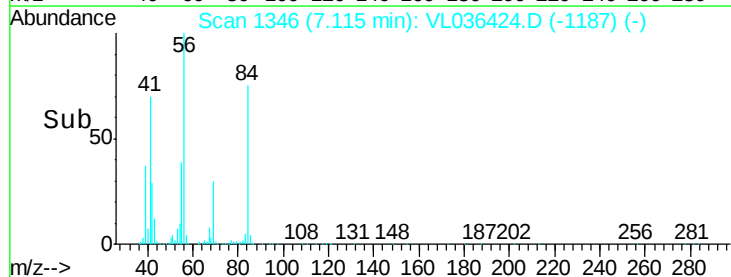
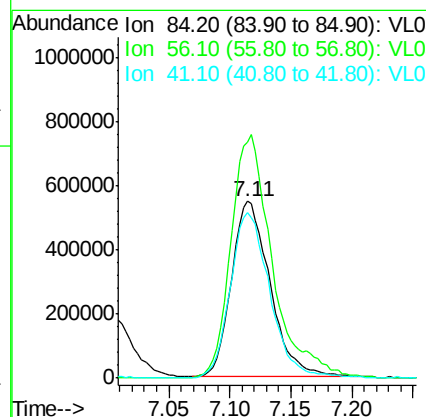
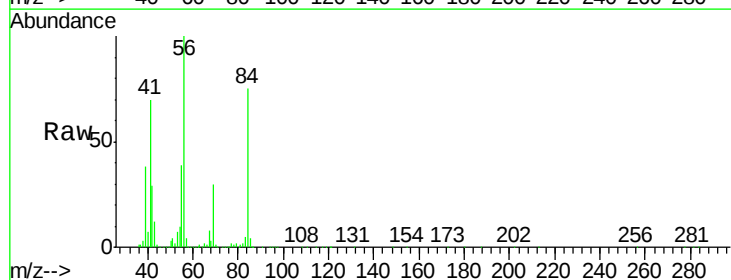
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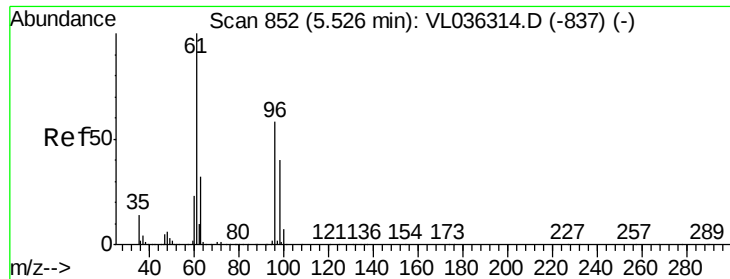
MMDadoda
3/3/2021 1:52:21 PM



#30
Cyclohexane
Concen: 9.735 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion: 84 Resp: 1211921
Ion Ratio Lower Upper
84 100
56 149.0 120.2 180.4
41 96.7 79.7 119.5





#31

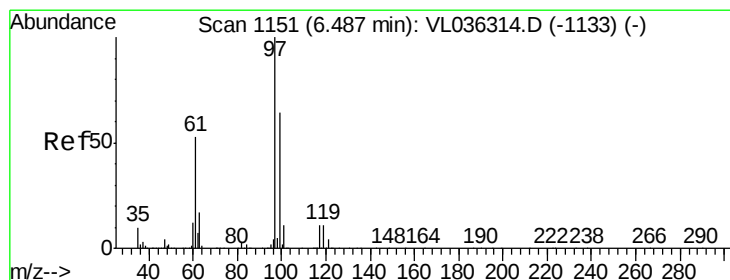
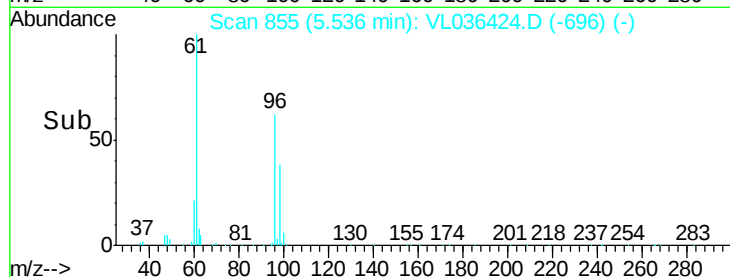
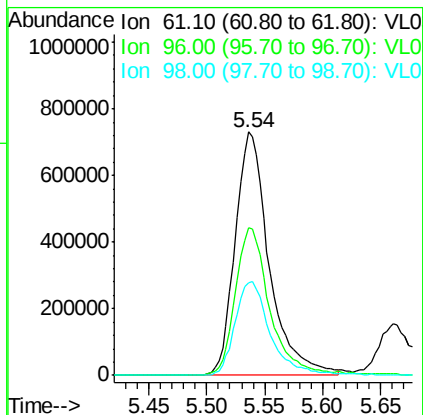
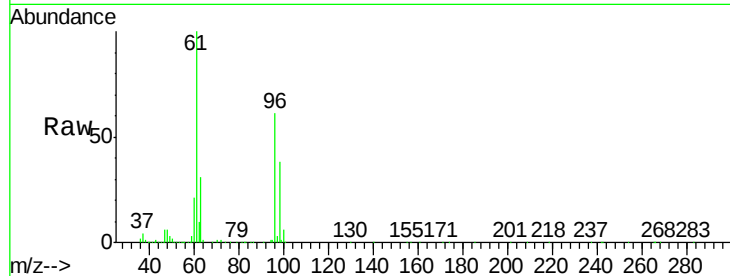
cis-1,2-Dichloroethene
Concen: 10.031 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.8	46.0	69.0
98	38.2	31.9	47.9

Manual Integrations
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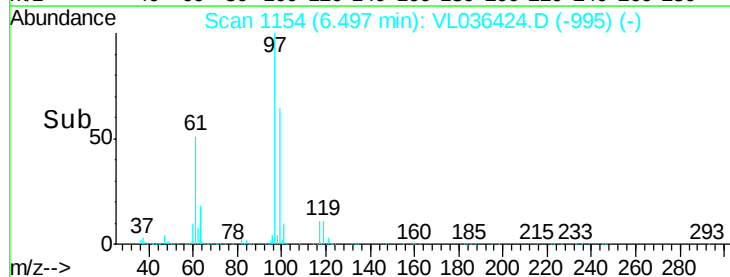
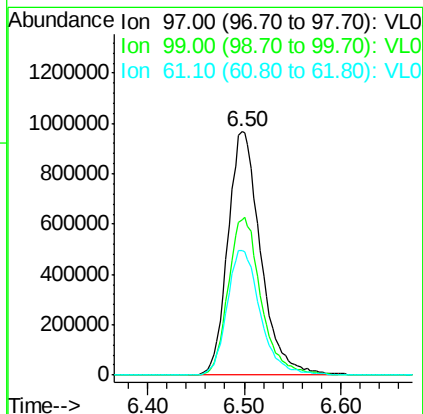
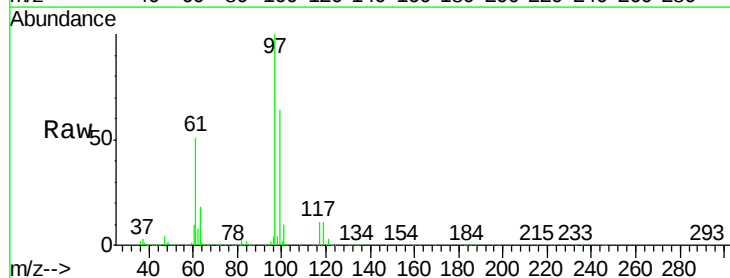
MMDadoda
3/3/2021 1:52:21 PM

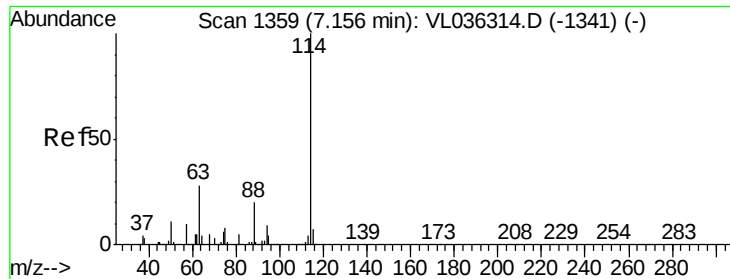


#32

1,1,1-Trichloroethane
Concen: 10.097 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.2	78.4
61	51.9	43.3	64.9





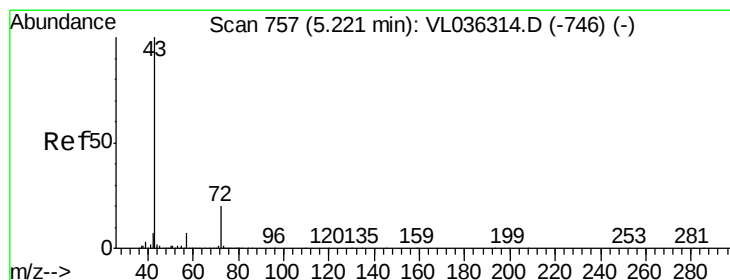
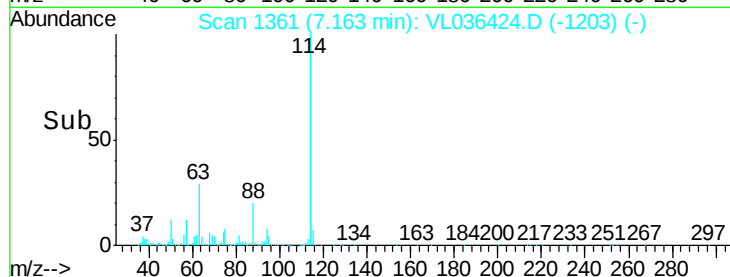
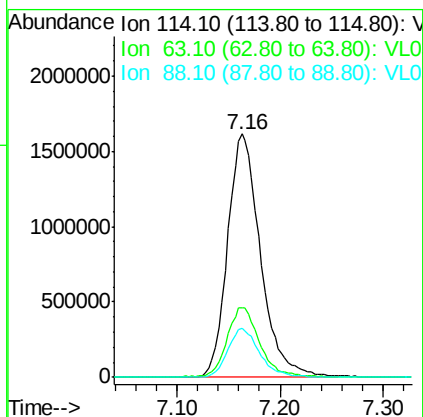
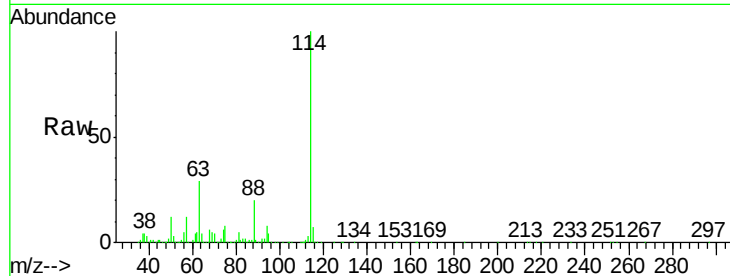
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.0	24.1	36.1
88	19.6	16.0	24.0

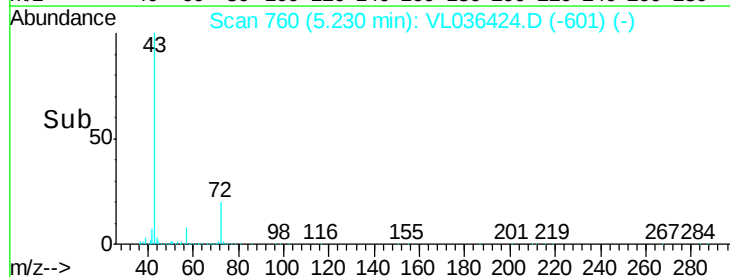
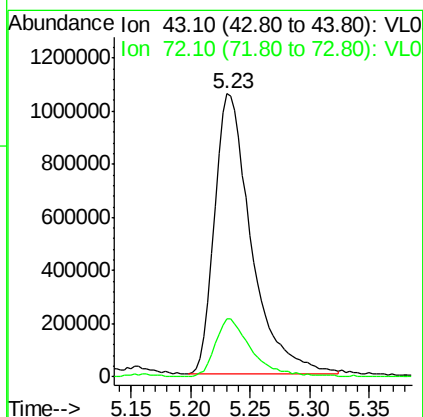
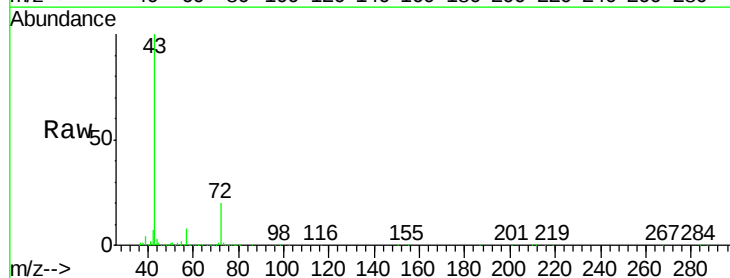
Manual Integrations
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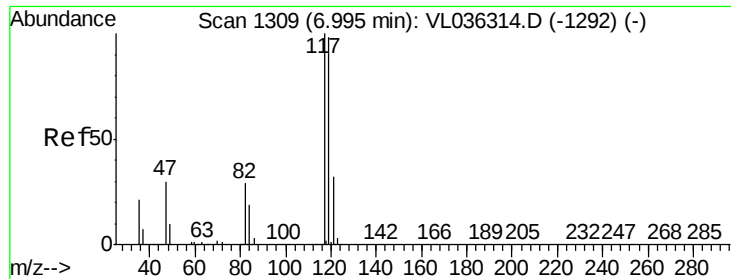
MMDadoda
 3/3/2021 1:52:21 PM



#34
 2-Butanone
 Concen: 9.481 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.6	16.7	25.1





#35

Carbon Tetrachloride

Concen: 9.746 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Instrument :

MSVOA_L

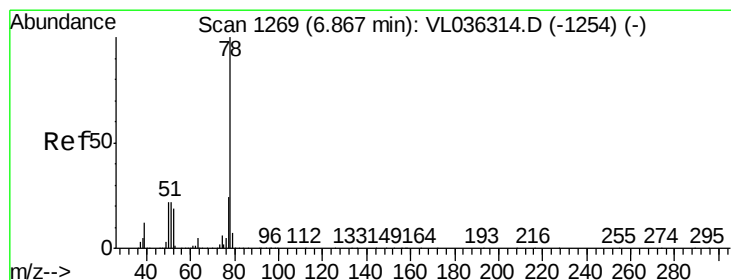
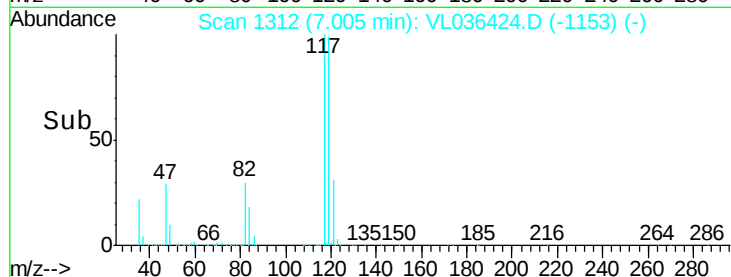
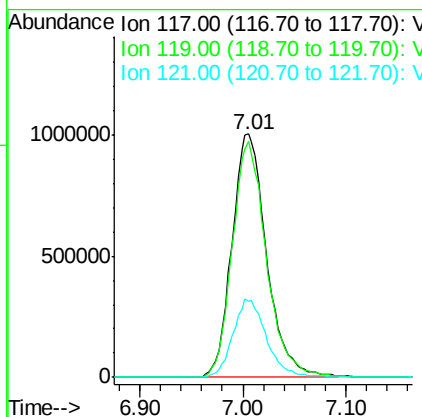
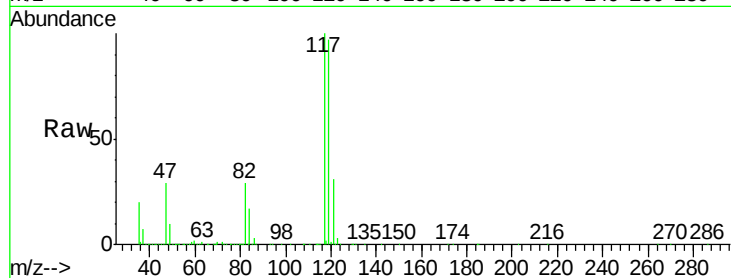
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.1	117.1
121	31.1	25.8	38.8

Manual Integrations
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#36

Benzene

Concen: 10.039 ppbv

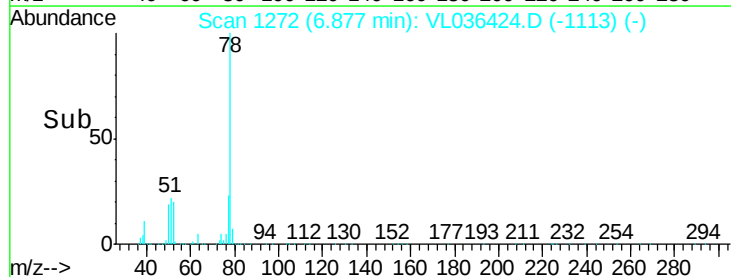
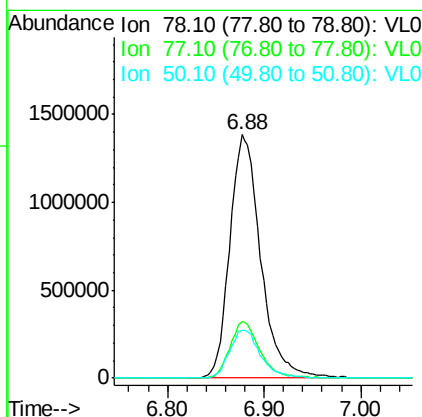
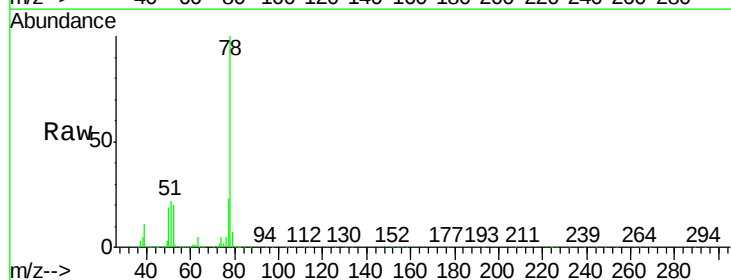
RT: 6.88 min Scan# 1272

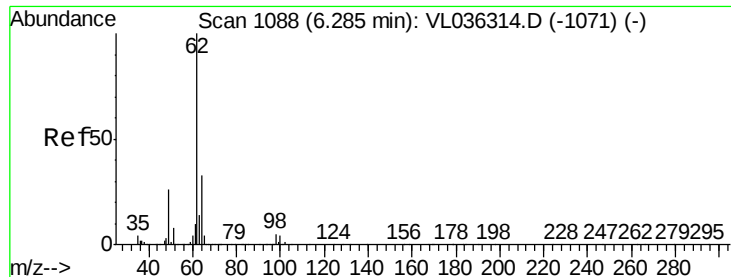
Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3
50	19.5	17.3	25.9





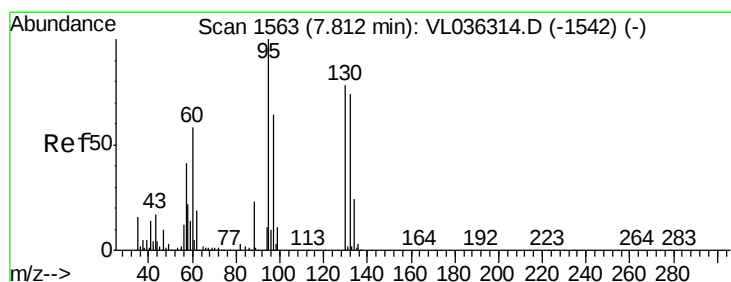
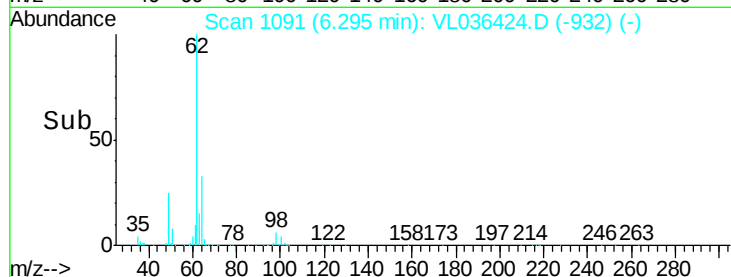
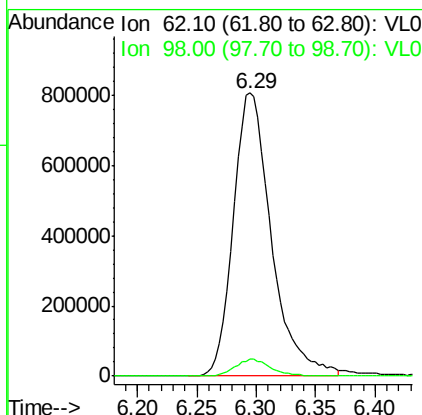
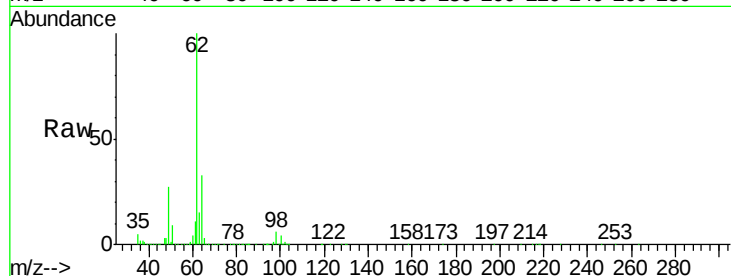
#37
 1,2-Dichloroethane
 Concen: 9.500 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1793017
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.5 6.7

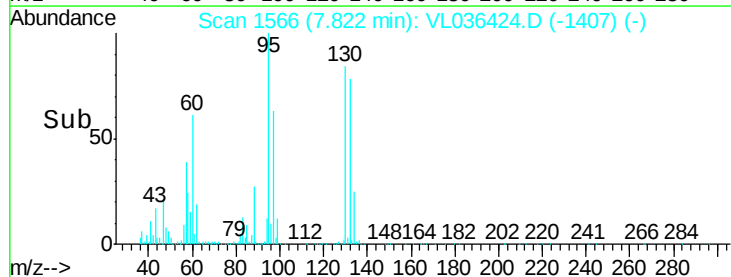
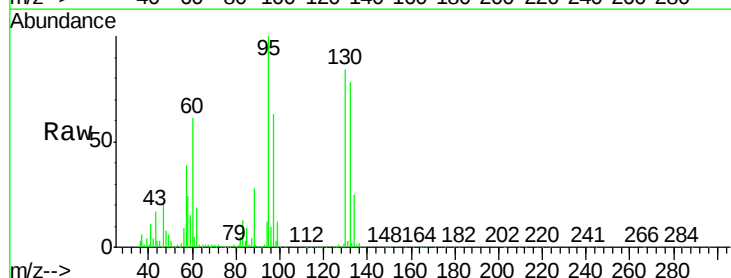
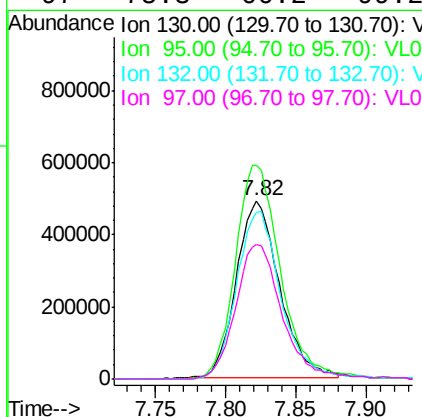
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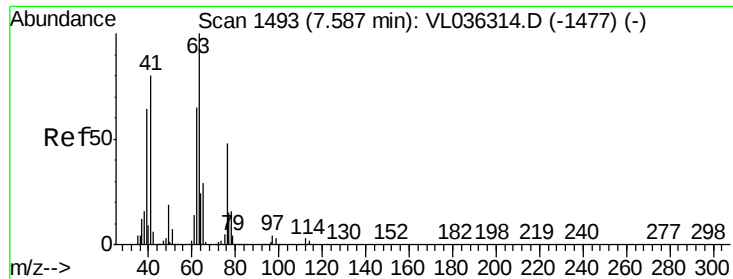
MMDadoda
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#38
 Trichloroethene
 Concen: 9.687 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Tgt Ion:130 Resp: 1059381
 Ion Ratio Lower Upper
 130 100
 95 120.2 102.8 154.2
 132 93.9 75.7 113.5
 97 75.3 66.2 99.2





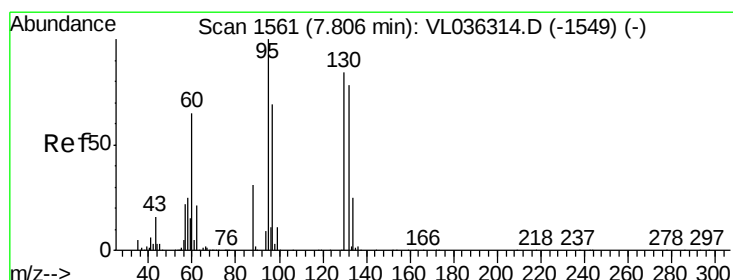
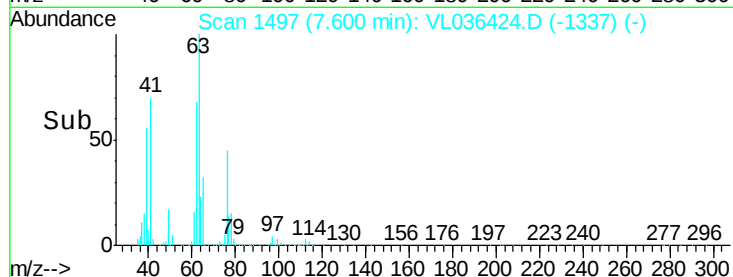
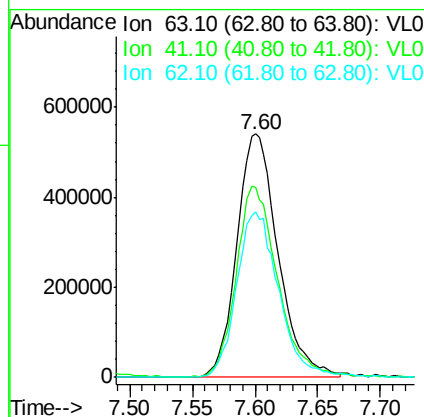
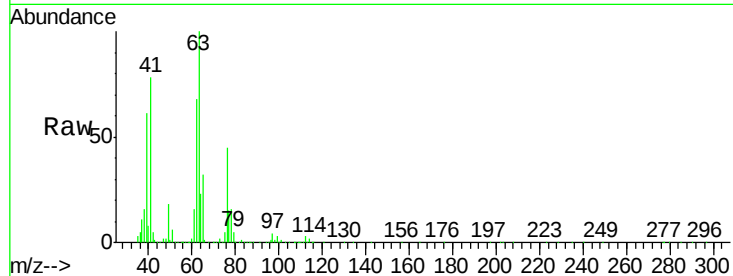
#39
 1,2-Dichloropropane
 Concen: 9.941 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.6	63.8	95.6
62	68.1	52.3	78.5

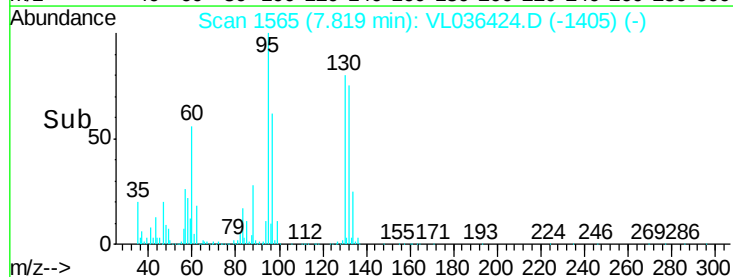
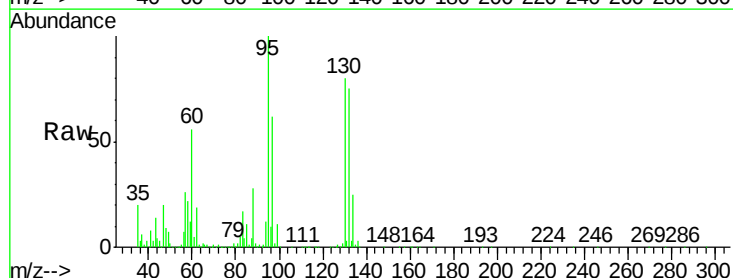
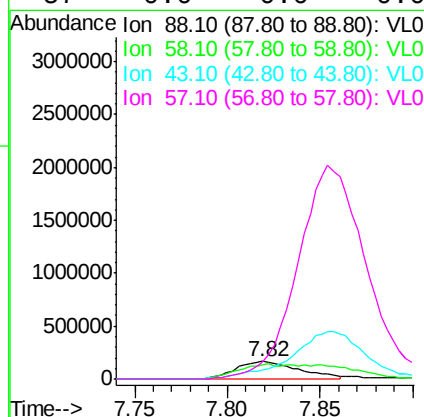
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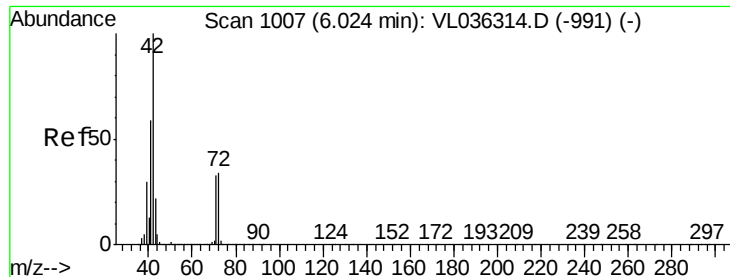
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#40
 1,4-Dioxane
 Concen: 8.992 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	152.7	45.0	67.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.203 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 42 Resp: 1359523

Ion Ratio Lower Upper

42 100

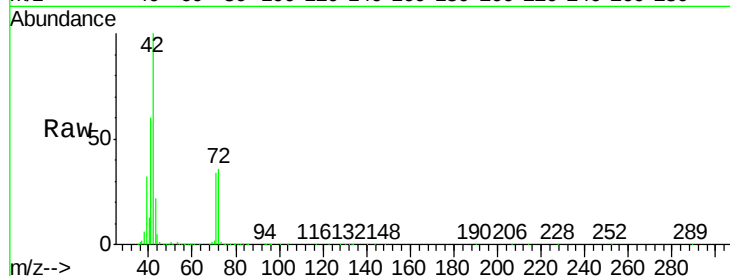
72 35.7 29.3 43.9

71 34.8 27.8 41.8

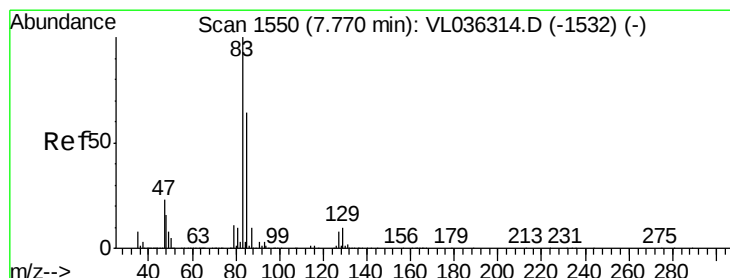
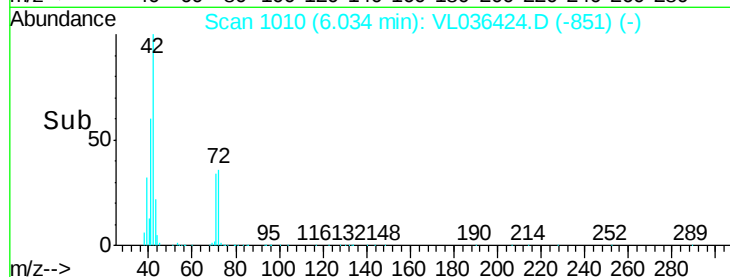
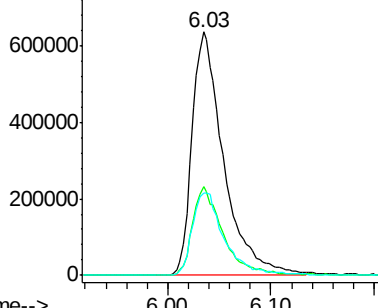
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Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.785 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

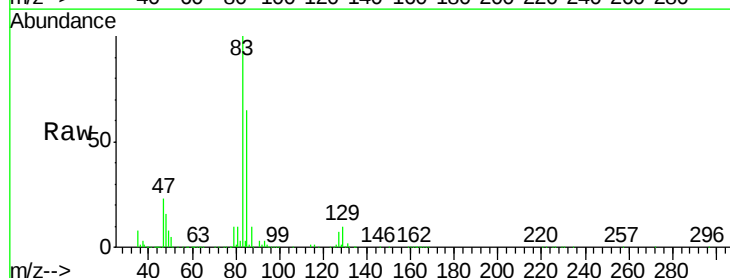
Tgt Ion: 83 Resp: 2473489

Ion Ratio Lower Upper

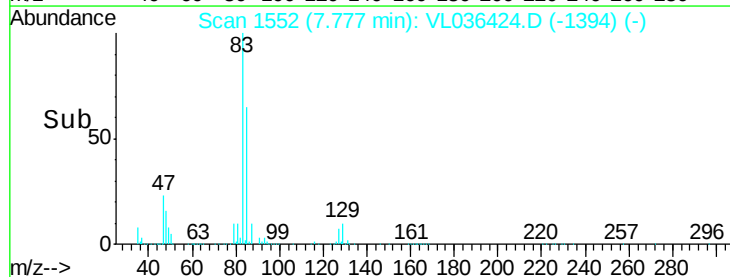
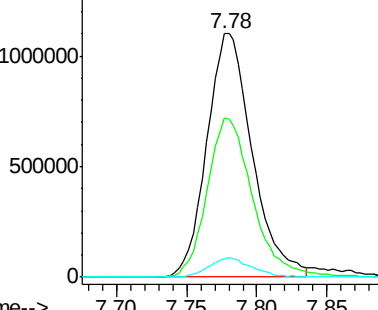
83 100

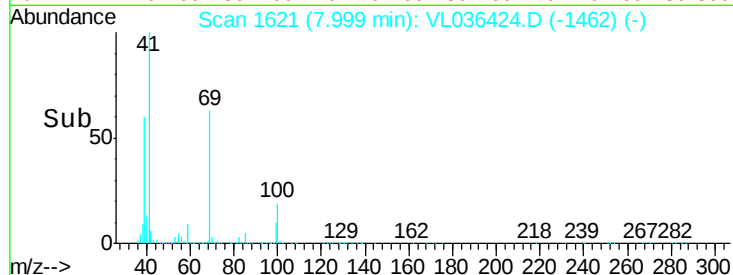
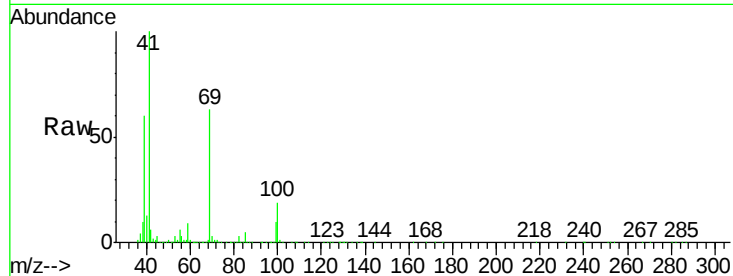
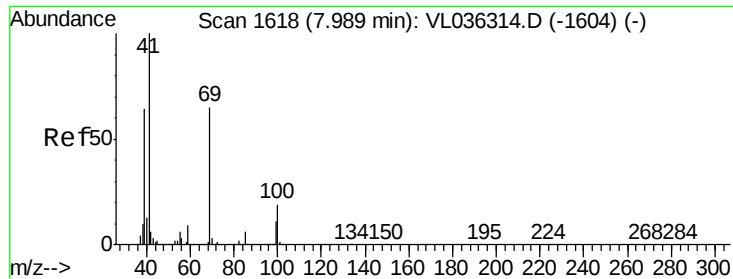
85 65.3 51.1 76.7

127 7.3 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.434 ppbv

RT: 8.00 min Scan# 1621

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

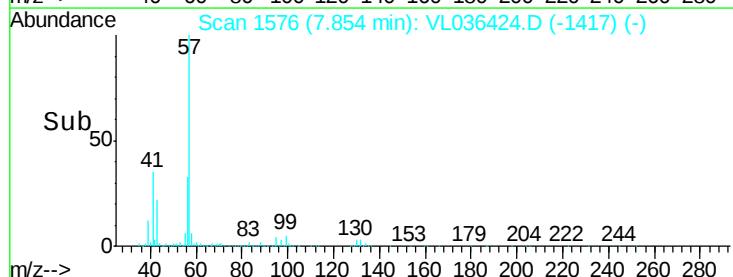
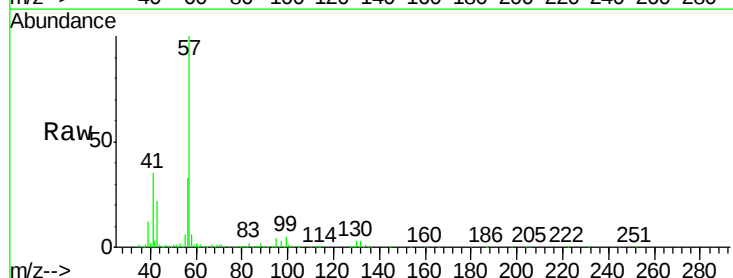
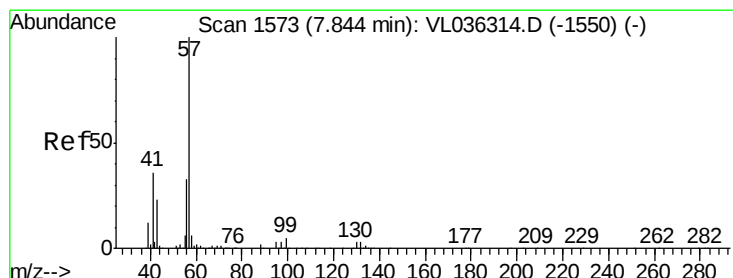
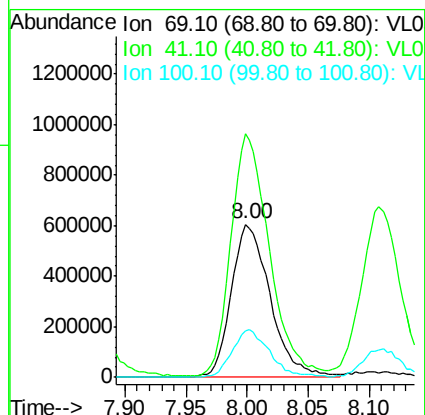
Tot Ion: 69 Resp: 1343346

Ion	Ratio	Lower	Upper
69	100		
41	158.0	126.5	189.7
100	30.3	23.1	34.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.425 ppbv

RT: 7.85 min Scan# 1576

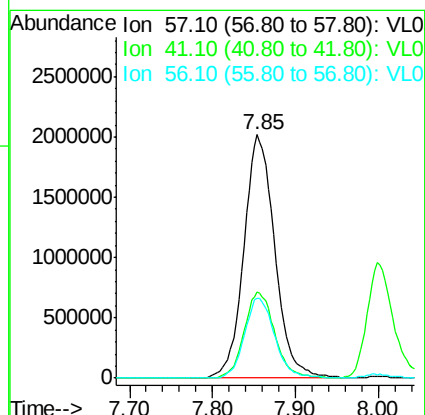
Delta R.T. 0.01 min

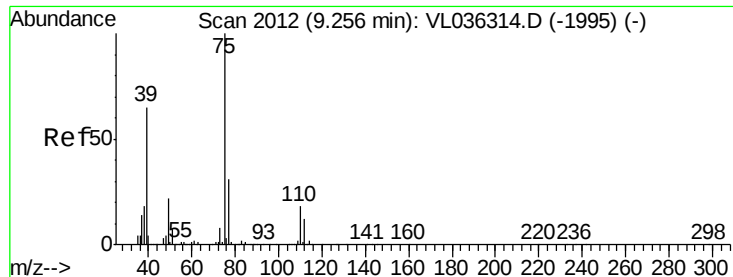
Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Tgt Ion: 57 Resp: 5231972

Ion	Ratio	Lower	Upper
57	100		
41	34.6	28.8	43.2
56	32.2	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 11.632 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1444652

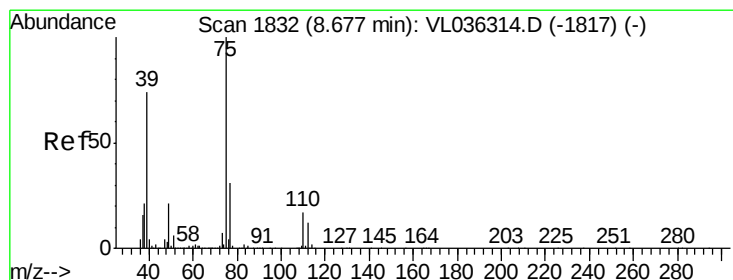
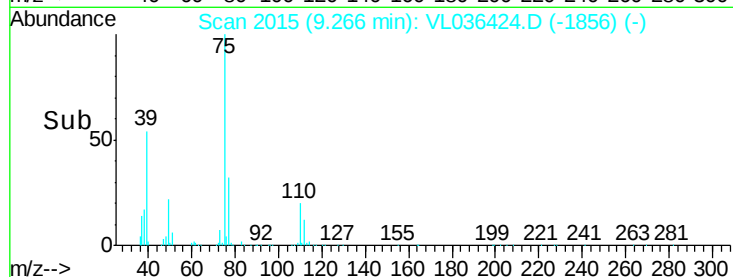
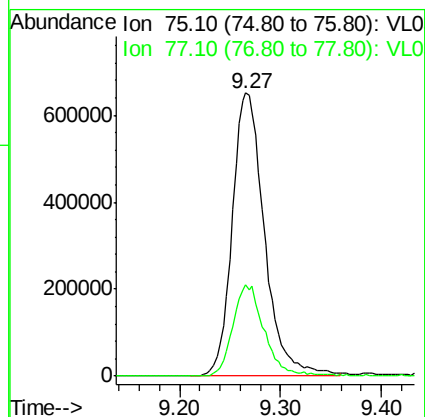
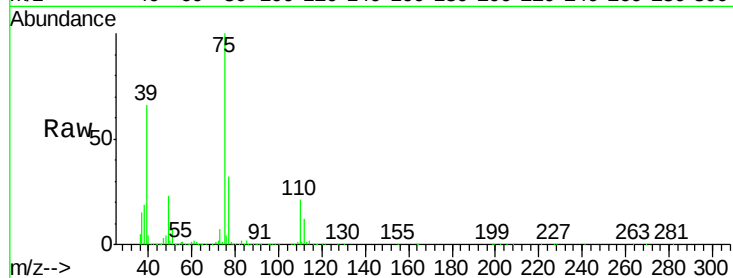
Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0

Manual Integrations
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#46

cis-1,3-Dichloropropene

Concen: 11.087 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. 0.02 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

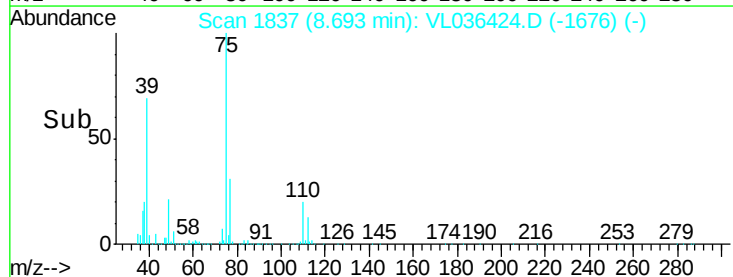
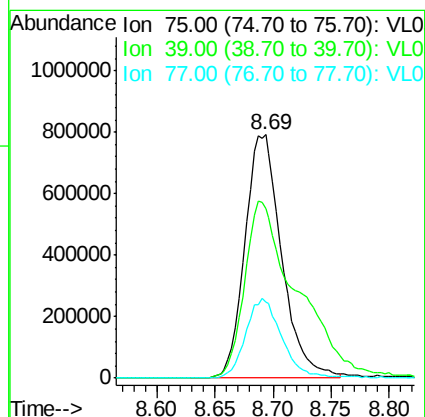
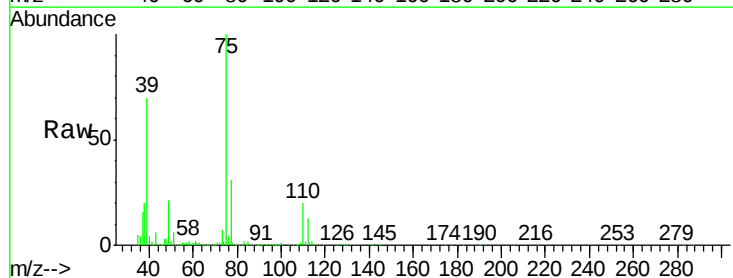
Tgt Ion: 75 Resp: 1749043

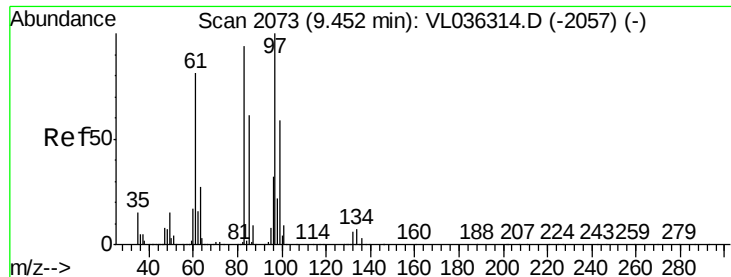
Ion Ratio Lower Upper

75 100

39 69.6 59.2 88.8

77 31.3 25.0 37.6





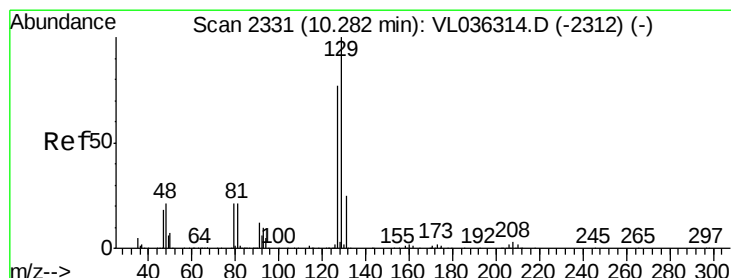
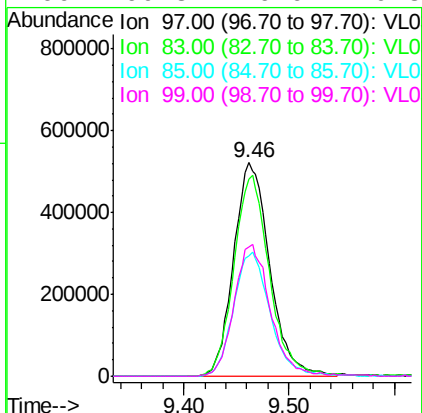
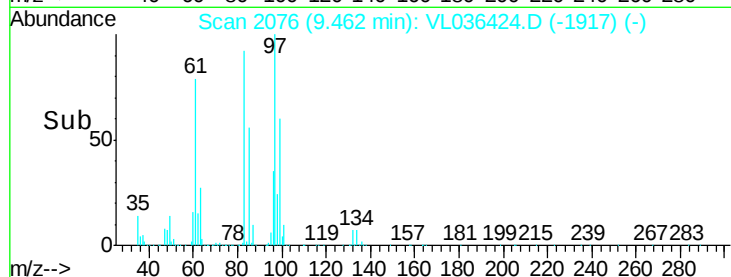
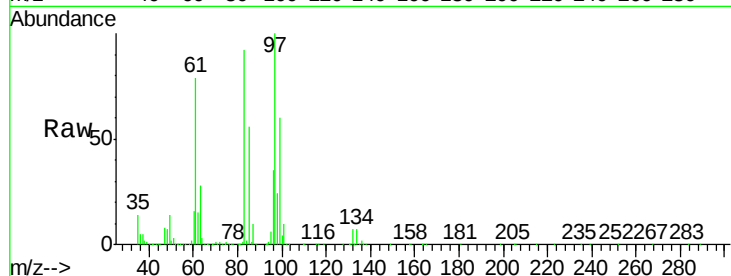
#47
 1,1,2-Trichloroethane
 Concen: 9.780 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.1	75.4	113.0	
85	56.3	48.9	73.3	
99	60.3	46.9	70.3	

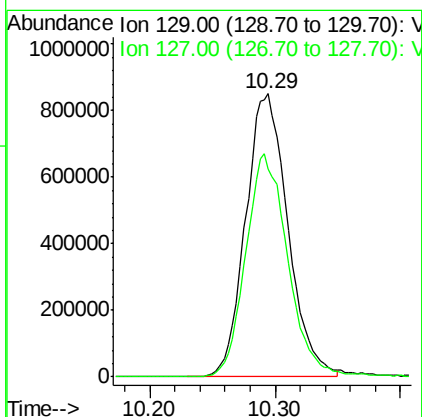
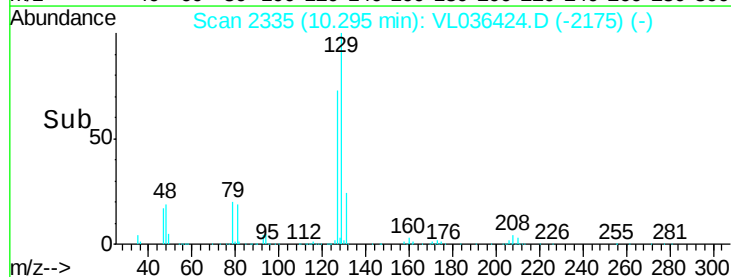
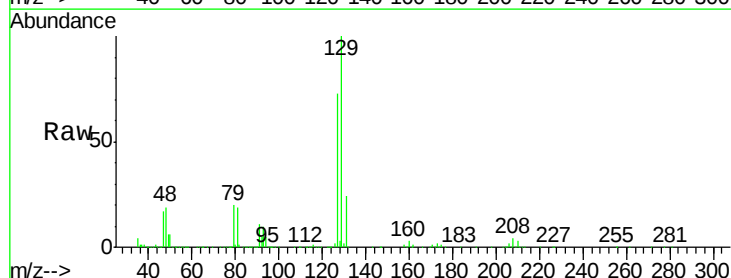
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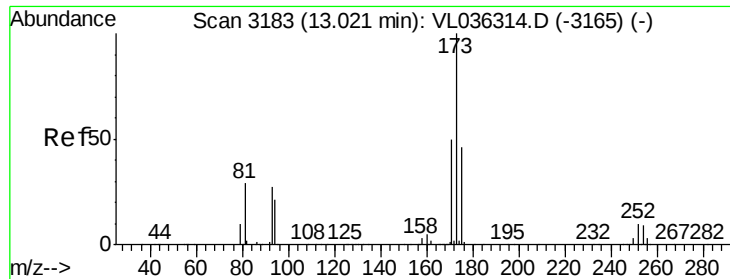
MMDadoda
 3/3/2021 1:52:21 PM



#48
 Dibromochloromethane
 Concen: 10.547 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.7	39.1	117.2	





#49

Bromoform

Concen: 11.068 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1694443

Ion Ratio Lower Upper

173 100

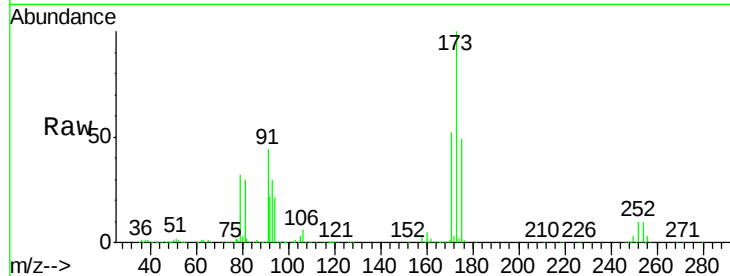
175 50.2 40.2 60.2

171 51.9 43.4 65.2

Manual Integrations
APPROVED

MMDadoda

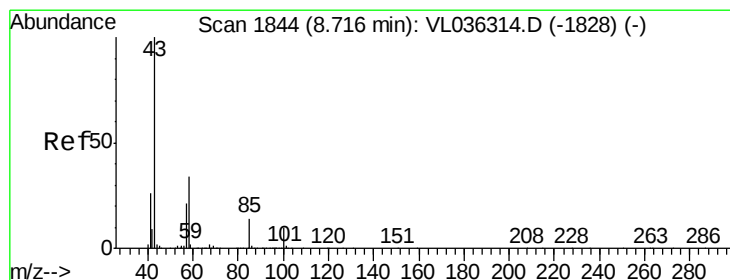
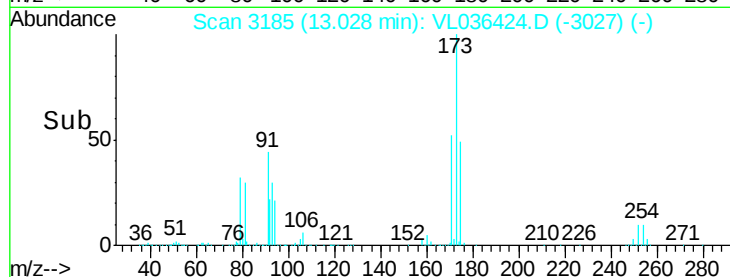
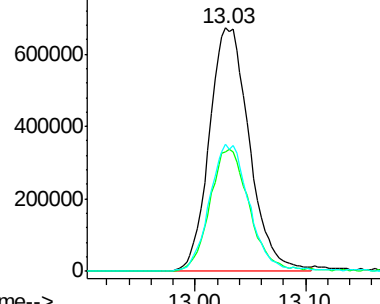
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.999 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VL036424.D

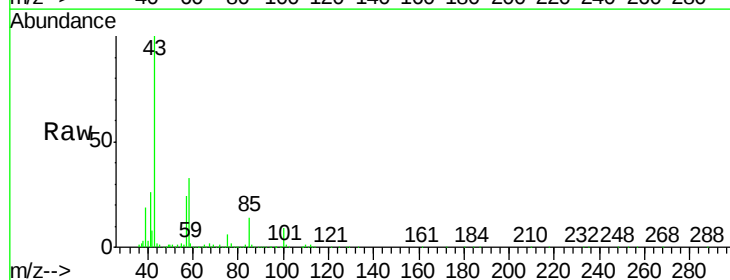
Acq: 2 Mar 2021 9:47

Tgt Ion: 43 Resp: 3544410

Ion Ratio Lower Upper

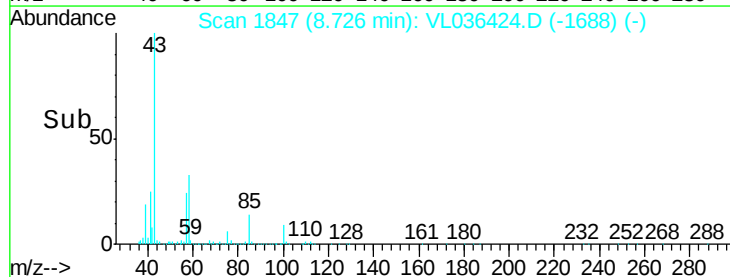
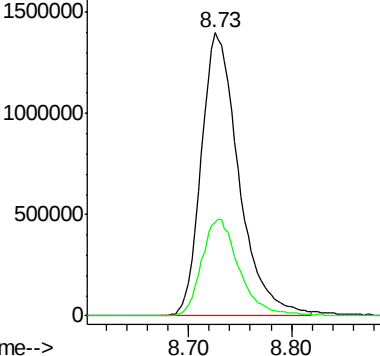
43 100

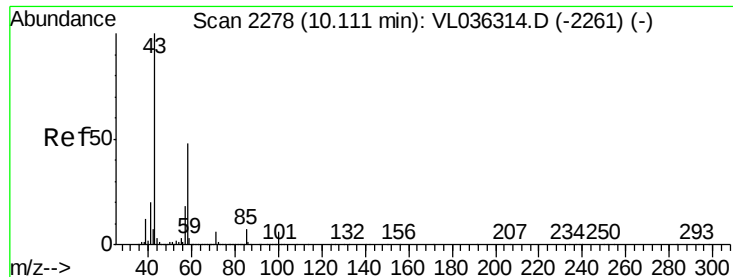
58 34.4 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





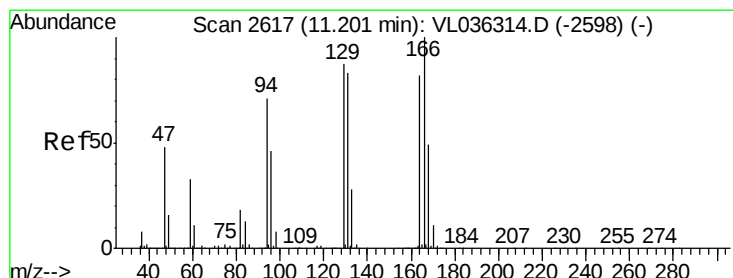
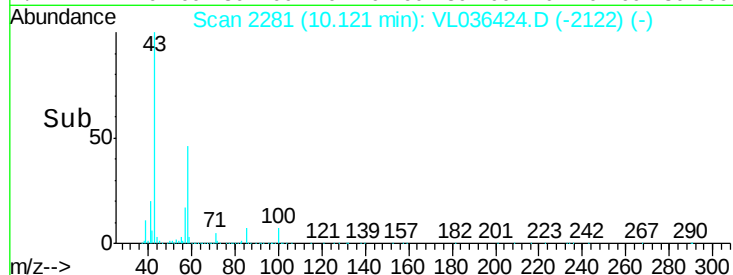
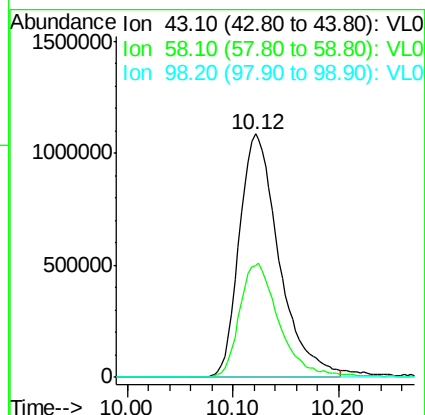
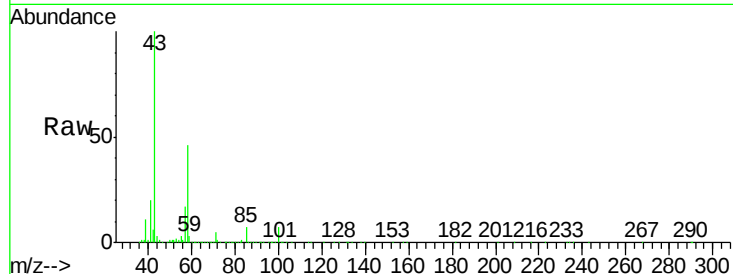
#51
2-Hexanone
Concen: 10.590 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2852272
Ion Ratio Lower Upper
43 100
58 47.3 38.7 58.1
98 0.5 0.4 0.6

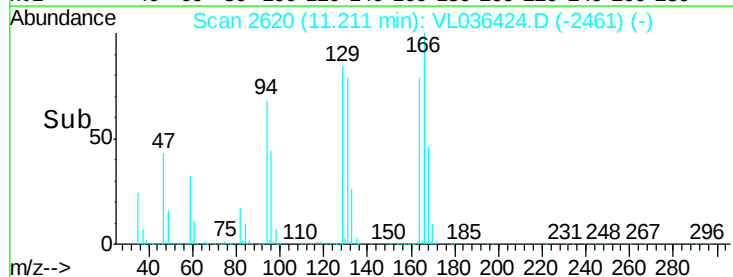
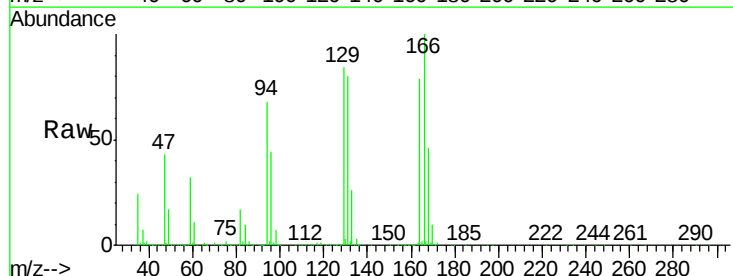
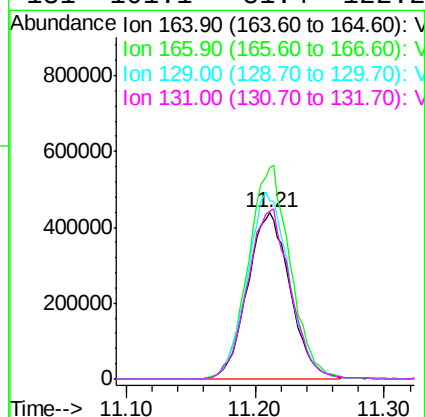
Manual Integrations
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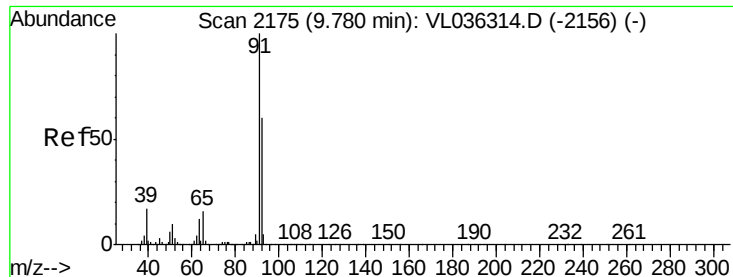
MMDadoda
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#52
Tetrachloroethene
Concen: 9.002 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion: 164 Resp: 1006065
Ion Ratio Lower Upper
164 100
166 127.1 97.8 146.8
129 106.9 84.9 127.3
131 101.1 81.4 122.2





#53

Toluene

Concen: 10.303 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3406700

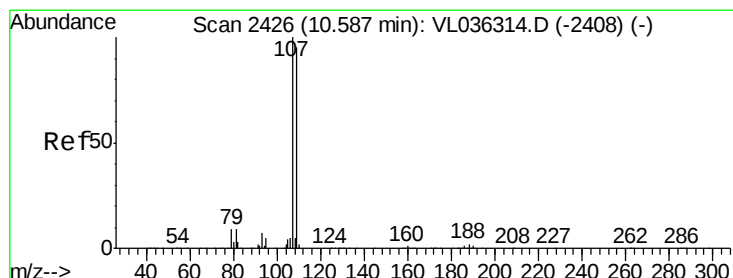
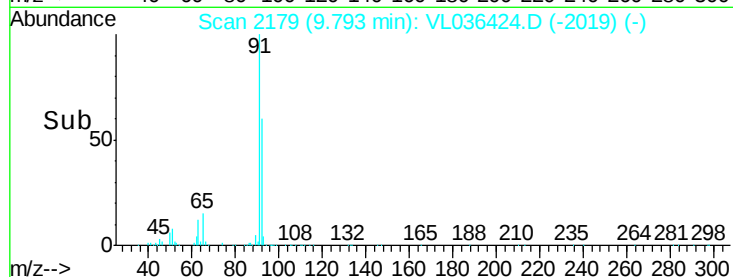
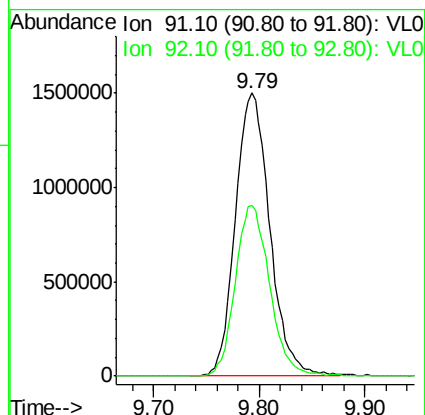
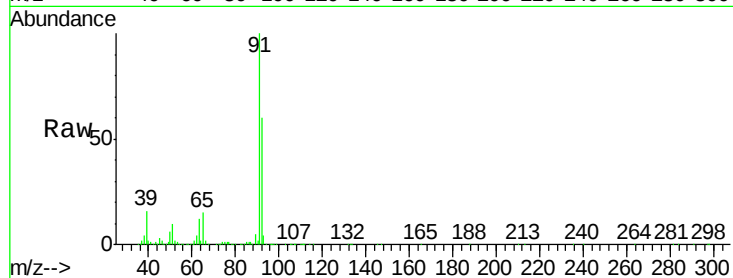
Ion Ratio Lower Upper

91 100

92 60.5 48.6 72.8

Manual Integrations
APPROVED

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#54

1,2-Dibromoethane

Concen: 9.937 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL036424.D

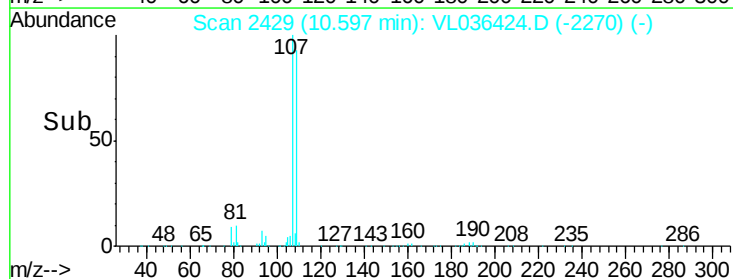
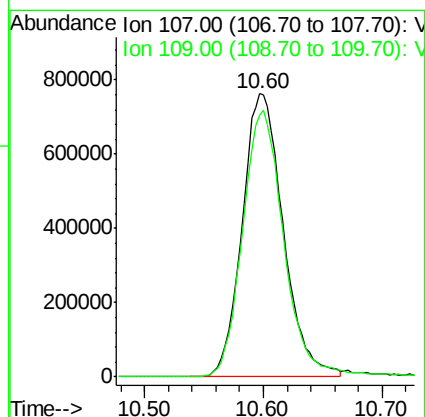
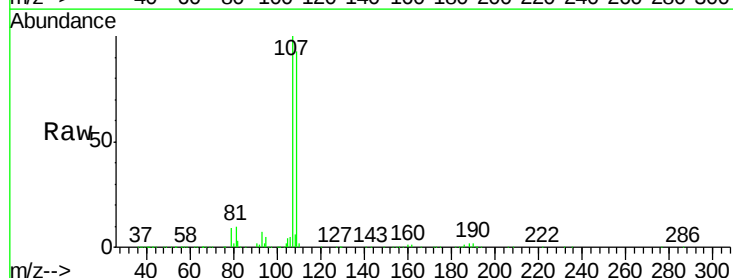
Acq: 2 Mar 2021 9:47

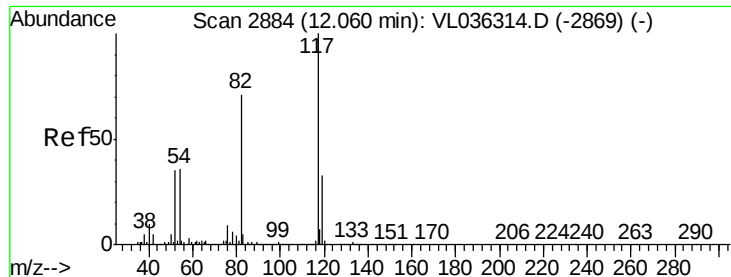
Tgt Ion: 107 Resp: 1822353

Ion Ratio Lower Upper

107 100

109 92.6 76.0 114.0





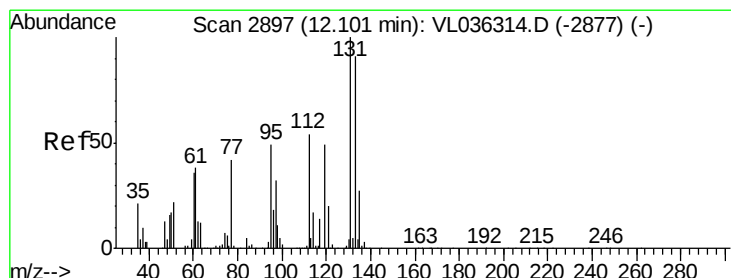
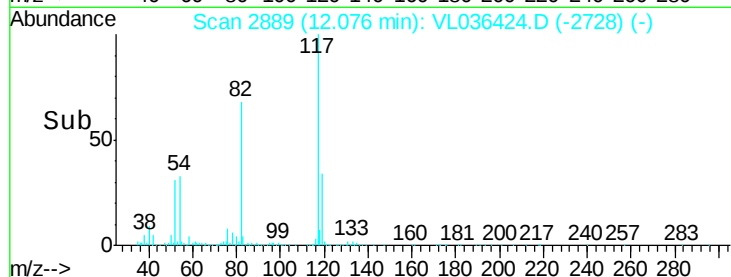
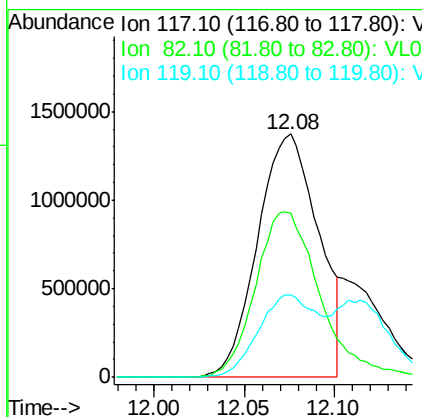
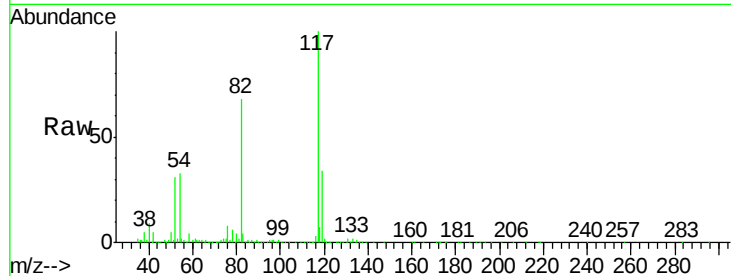
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. 0.02 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	73.6	59.1	88.7
119	30.9	46.3	69.5#

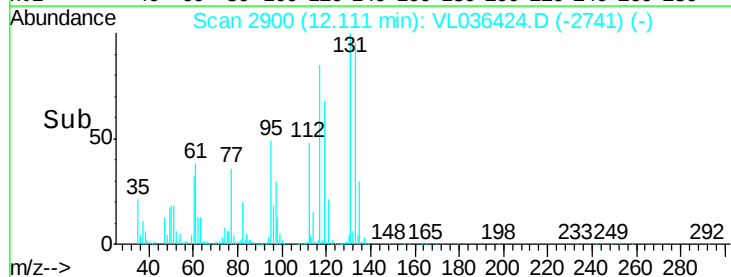
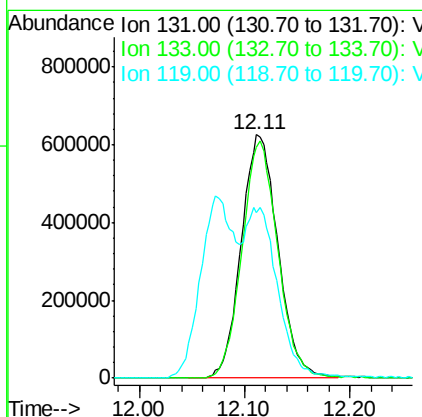
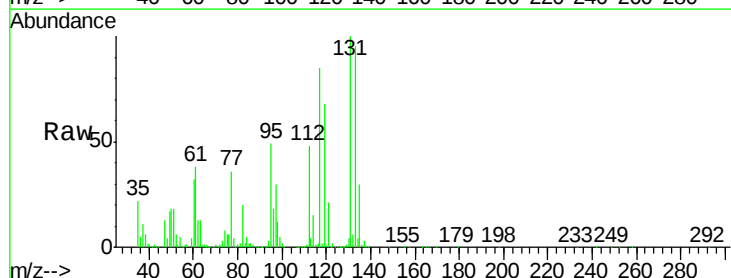
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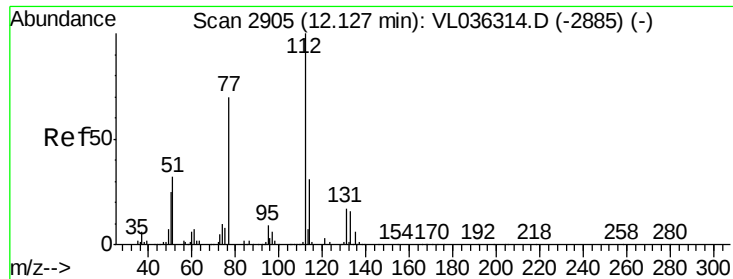
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.181 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.0	114.0
119	59.3	115.1	172.7#





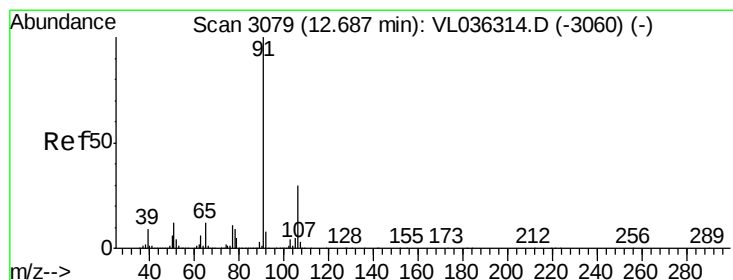
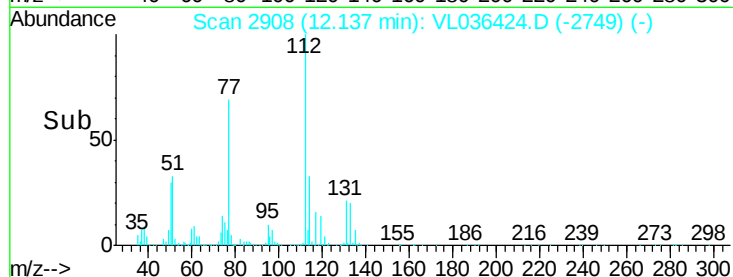
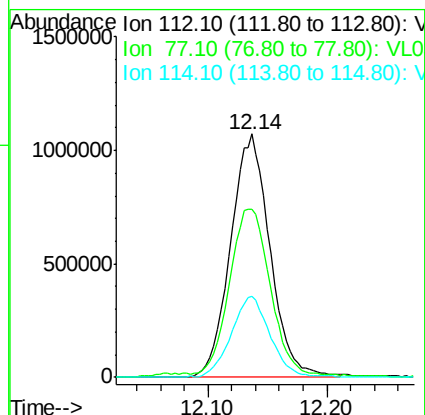
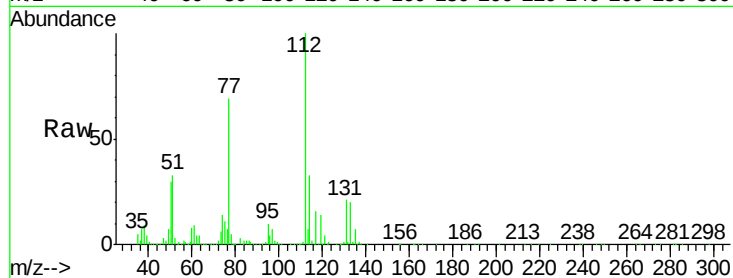
#57
Chlorobenzene
Concen: 9.794 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.2	56.1	84.1
114	33.1	28.3	34.5

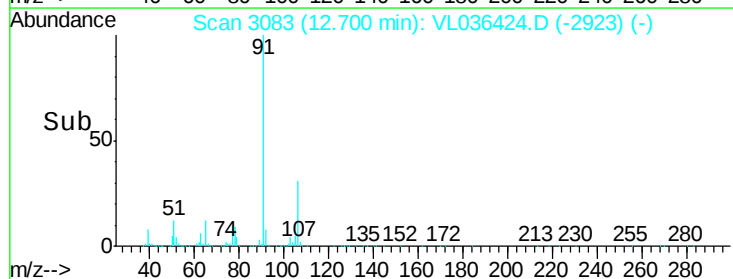
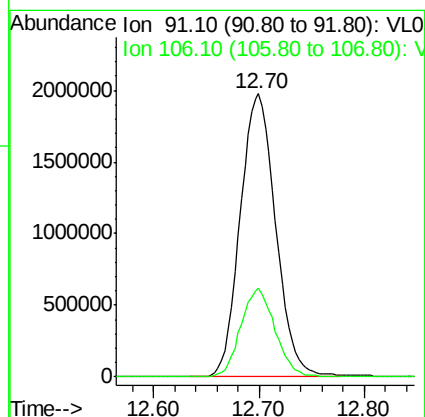
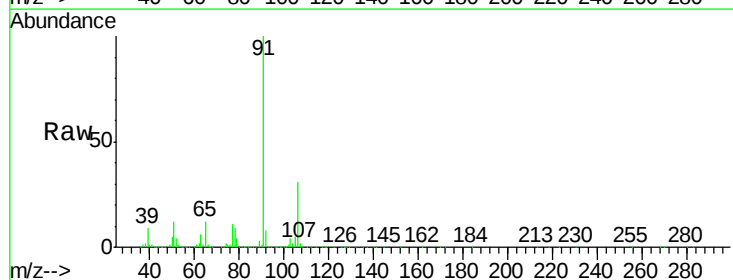
Manual Integrations
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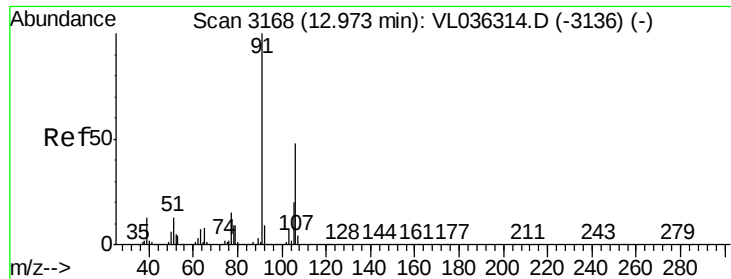
MMDadoda
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#58
Ethyl Benzene
Concen: 10.468 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	23.8	35.6





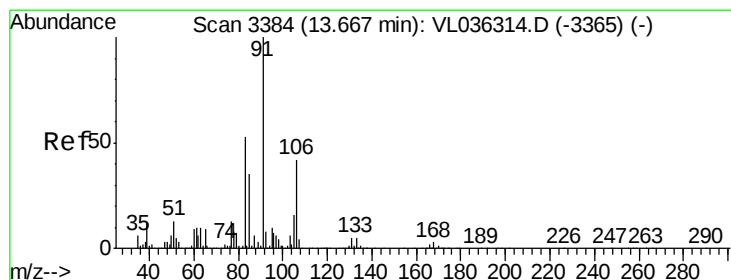
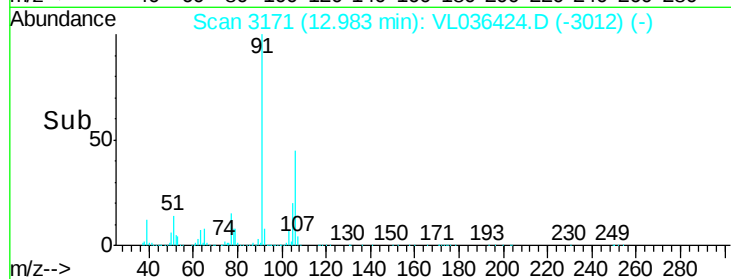
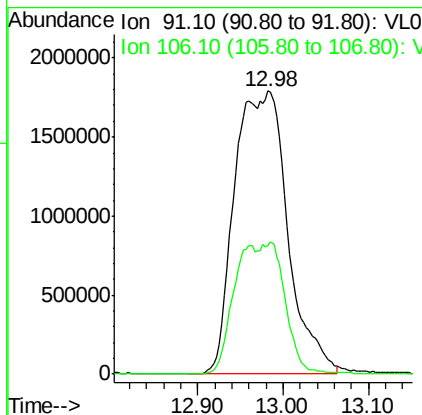
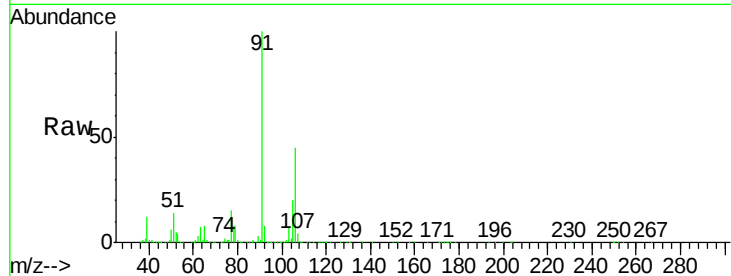
#59
m/p-Xylene
Concen: 20.012 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7764123
Ion Ratio Lower Upper
91 100
106 43.9 34.2 51.2

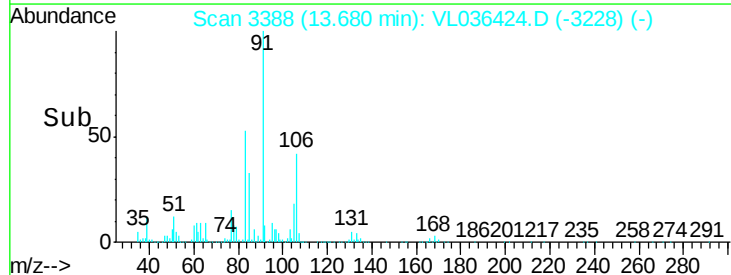
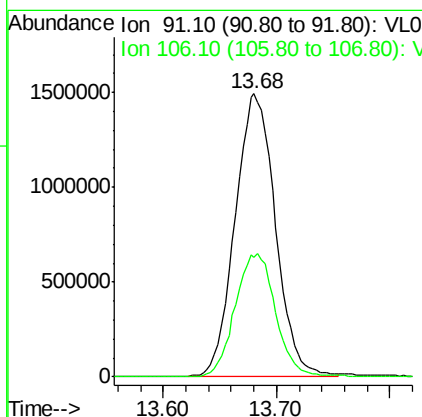
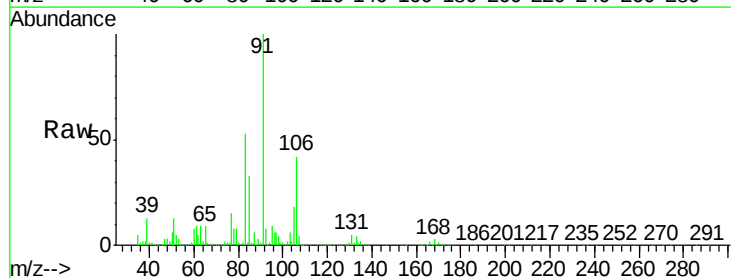
Manual Integrations
APPROVED

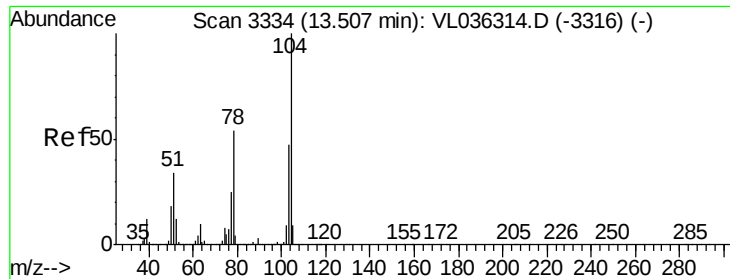
MMDadoda
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#60
o-Xylene
Concen: 9.941 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion: 91 Resp: 3687461
Ion Ratio Lower Upper
91 100
106 44.2 22.0 66.0





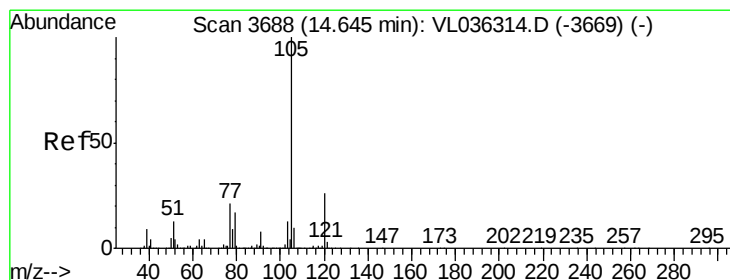
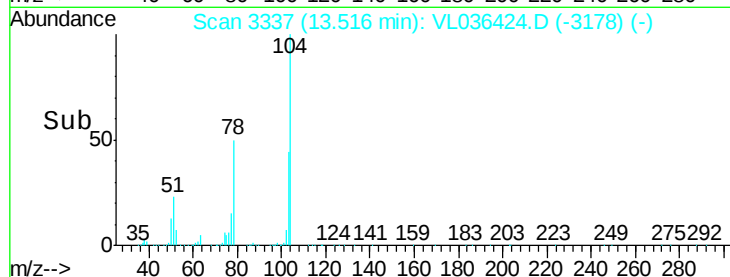
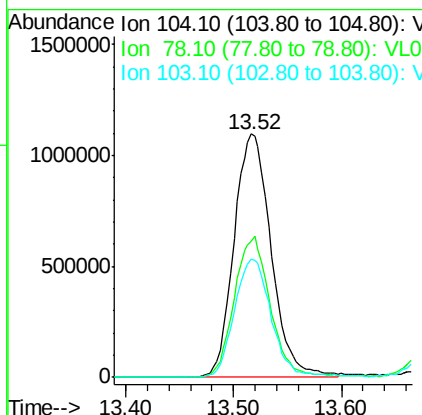
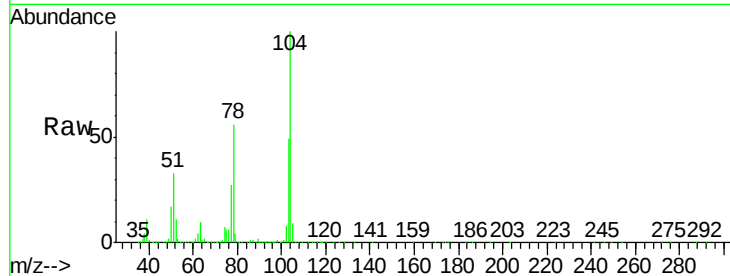
#61
Stvrene
Concen: 11.440 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.1	46.2	69.2
103	48.4	38.3	57.5

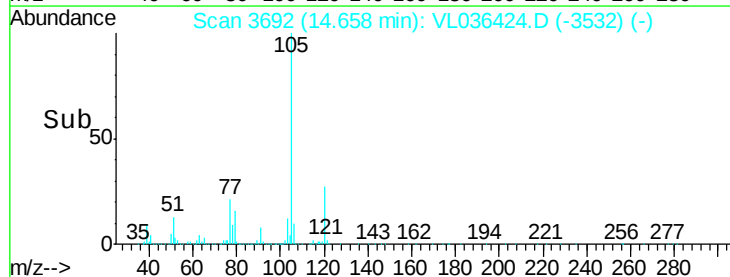
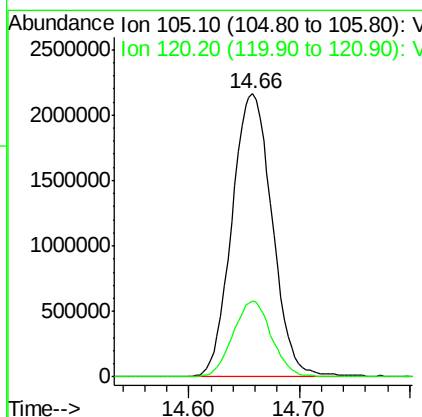
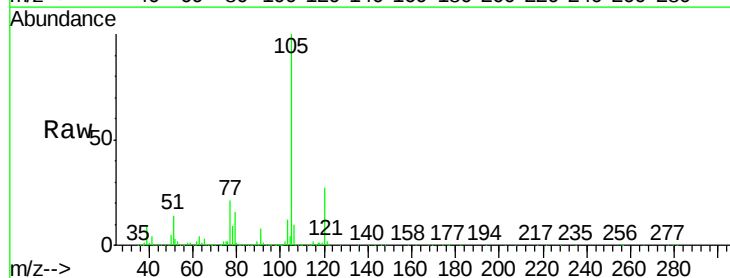
Manual Integrations
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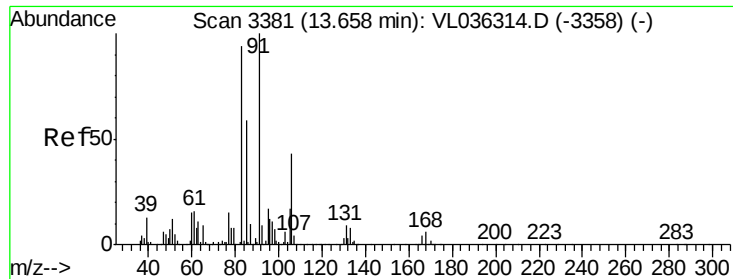
MMDadoda
3/3/2021 1:52:21 PM



#62
Isopropylbenzene
Concen: 9.814 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 9.224 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2699742

Ion Ratio Lower Upper

83 100

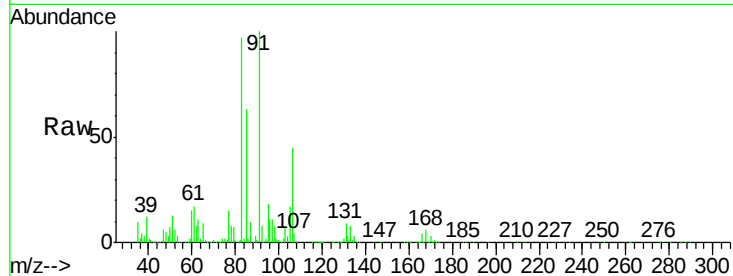
131 9.1 4.7 14.0

85 65.2 33.0 98.9

Manual Integrations
APPROVED

MMDadoda

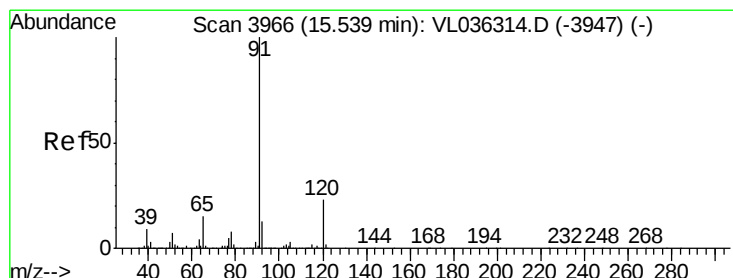
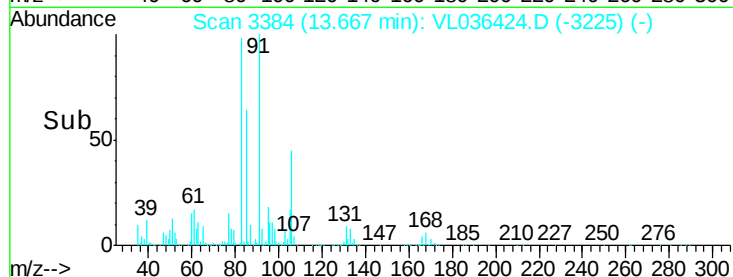
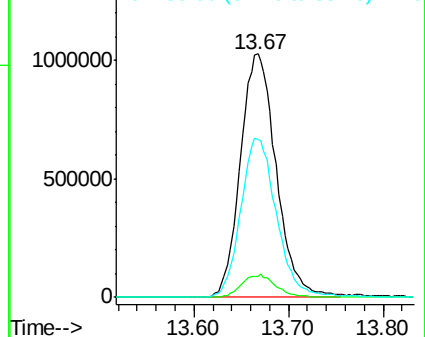
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.473 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. 0.01 min

Lab File: VL036424.D

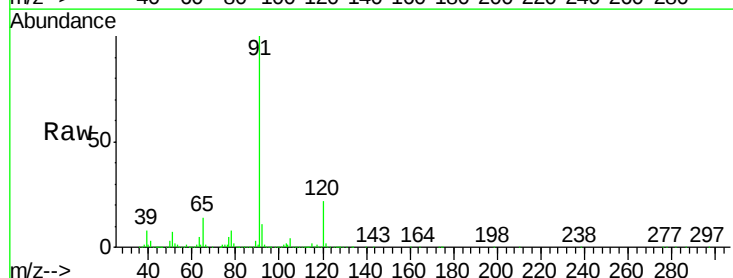
Acq: 2 Mar 2021 9:47

Tgt Ion: 120 Resp: 1433187

Ion Ratio Lower Upper

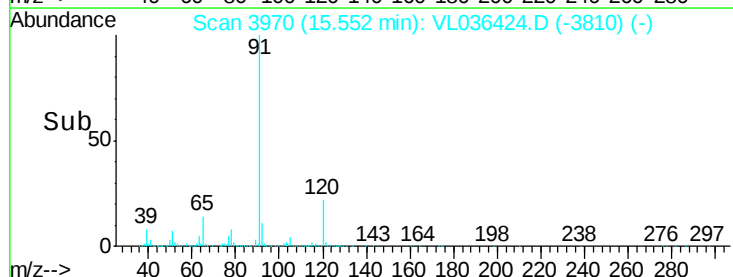
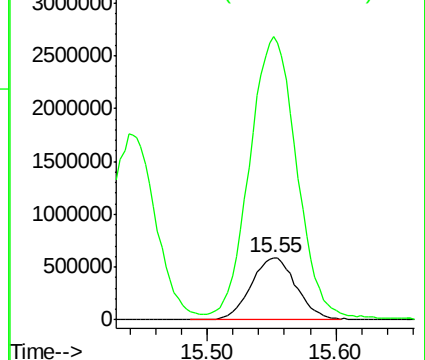
120 100

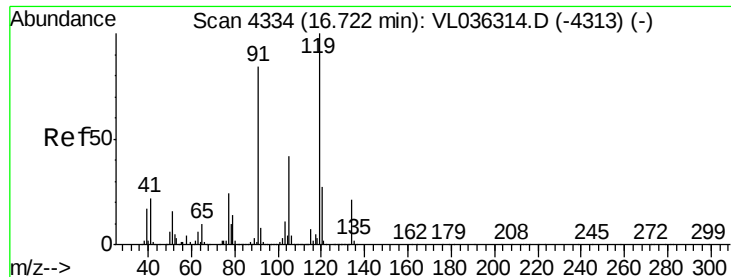
91 481.6 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





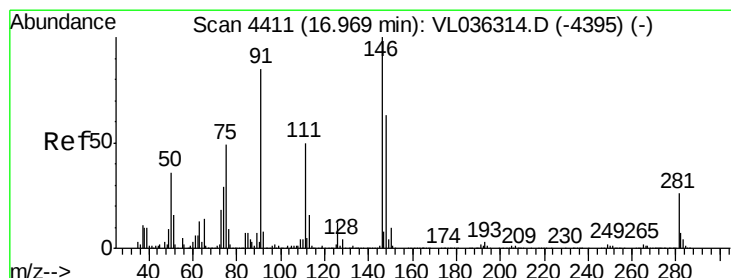
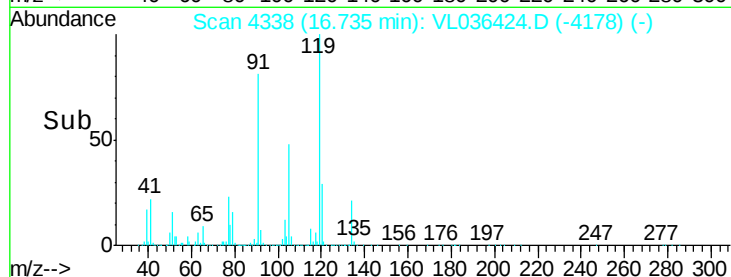
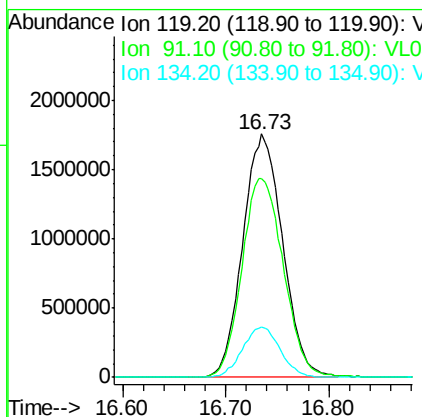
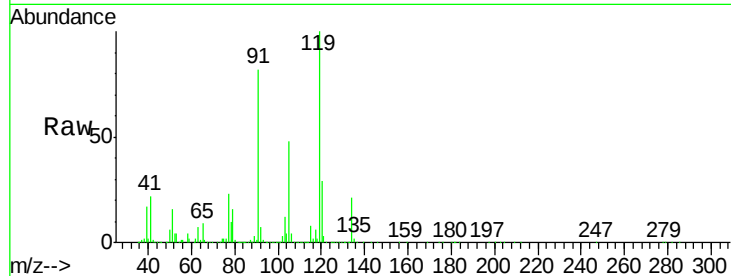
#65
tert-Butylbenzene
Concen: 9.902 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 4710607
Ion Ratio Lower Upper
119 100
91 85.2 70.5 105.7
134 19.7 15.8 23.8

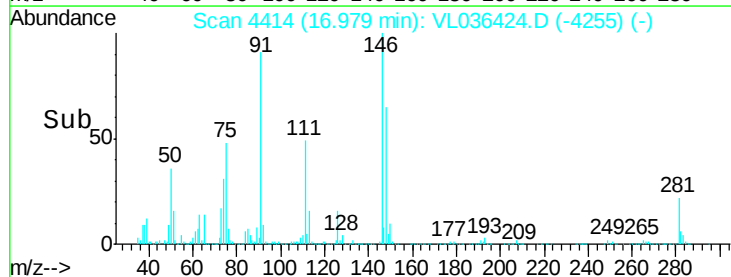
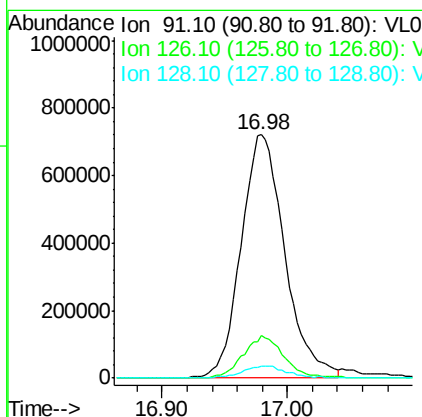
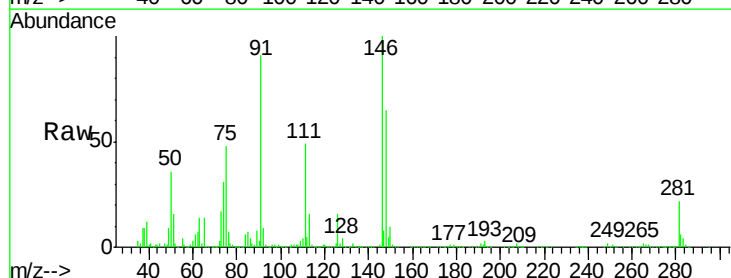
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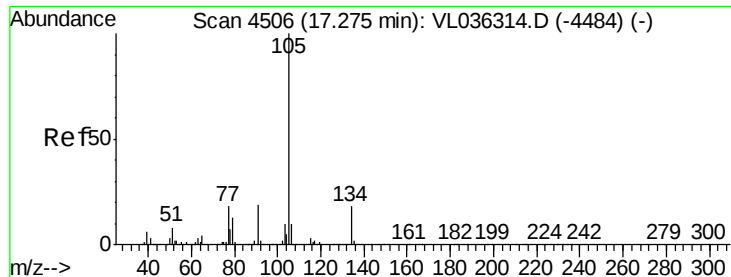
MMDadoda
3/3/2021 1:52:21 PM



#66
Benzyl Chloride
Concen: 13.387 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion: 91 Resp: 1731394
Ion Ratio Lower Upper
91 100
126 16.7 12.9 19.3
128 5.2 4.2 6.2





#67

sec-Butylbenzene

Concen: 9.764 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 6699176

Ion Ratio Lower Upper

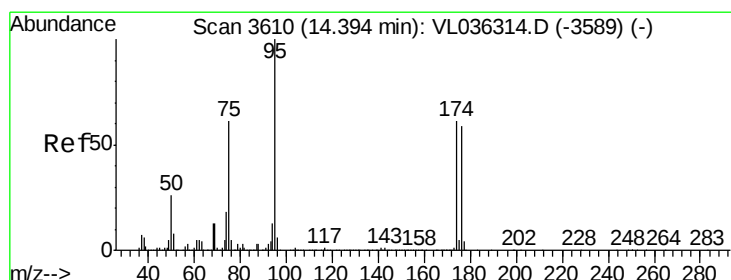
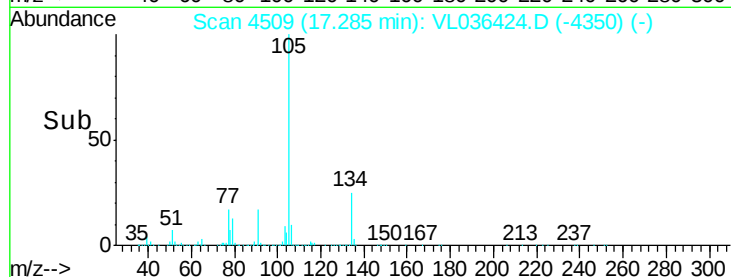
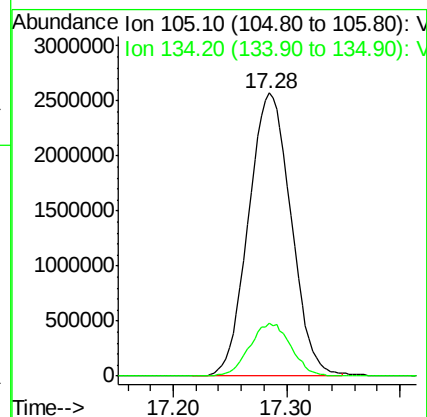
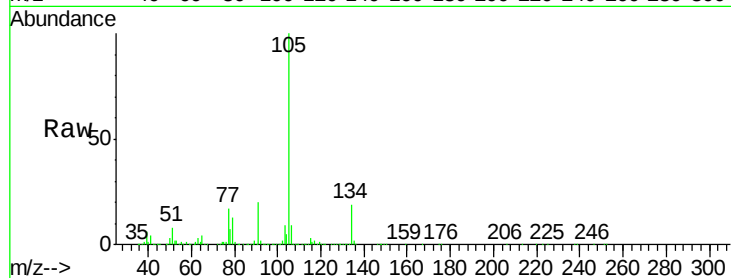
105 100

134 18.3 14.2 21.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.407 ppbv m

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

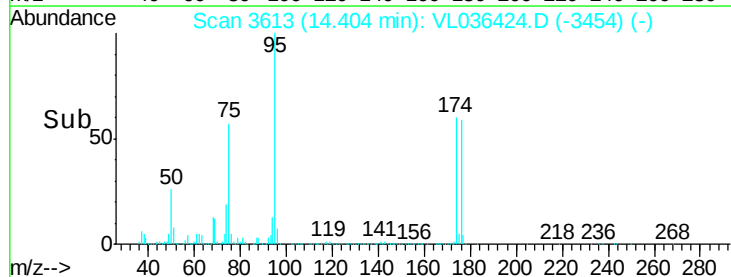
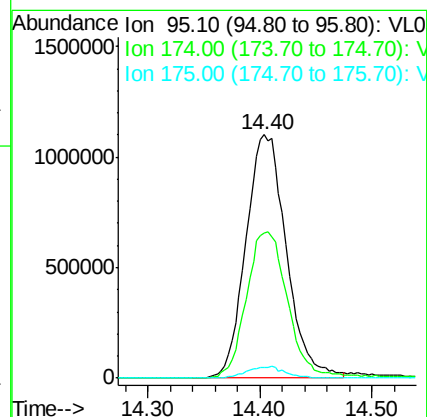
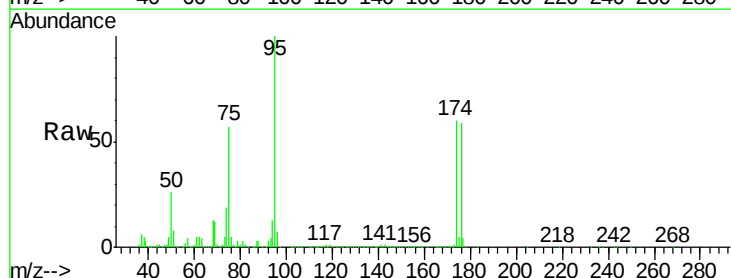
Tgt Ion: 95 Resp: 2762003

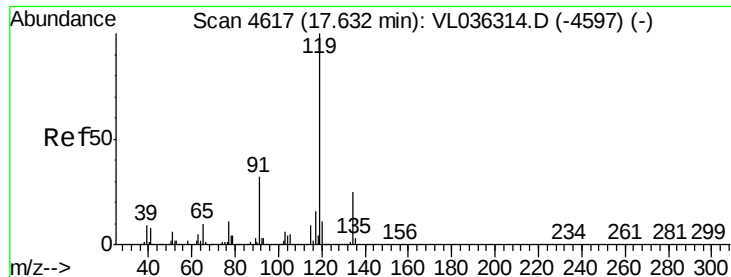
Ion Ratio Lower Upper

95 100

174 62.5 49.8 74.6

175 4.7 3.7 5.5





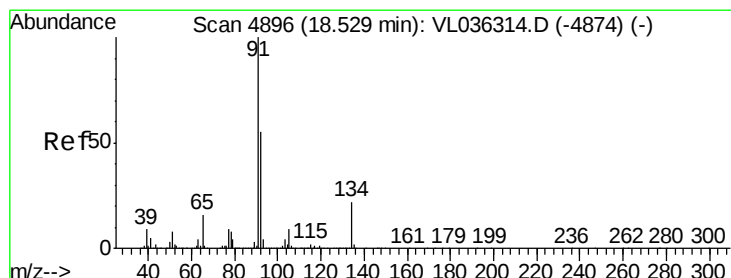
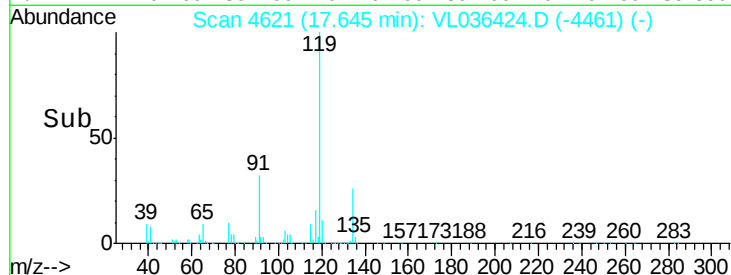
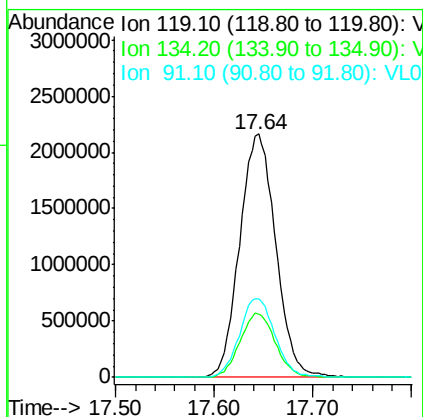
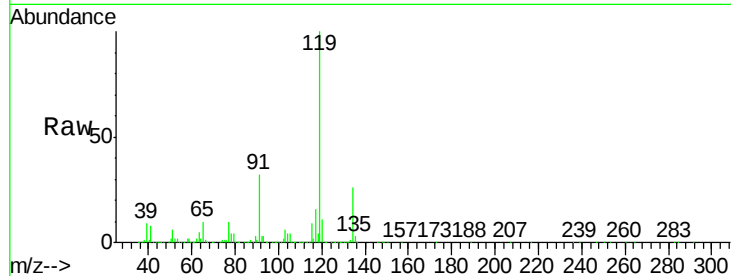
#69
p-Isopropyltoluene
Concen: 10.310 ppbv
RT: 17.64 min Scan# 4621
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.1	30.1
91	31.7	25.8	38.6

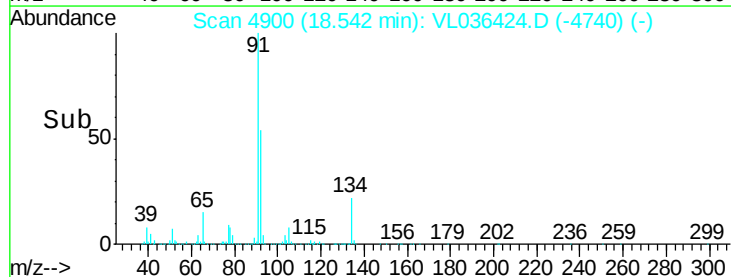
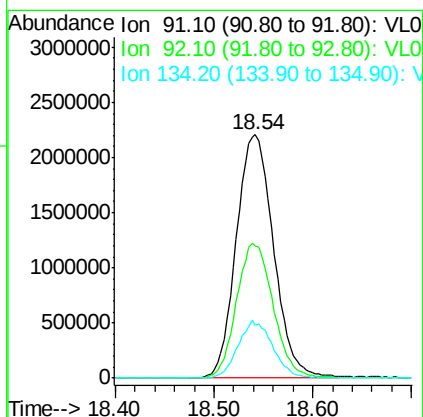
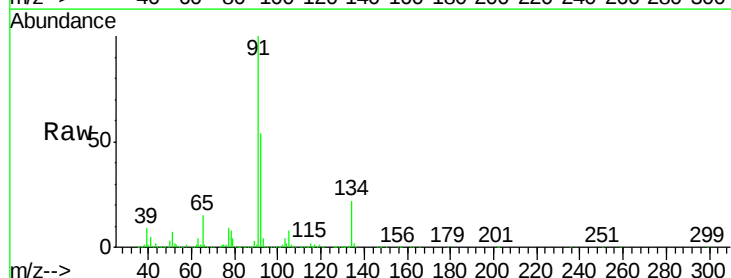
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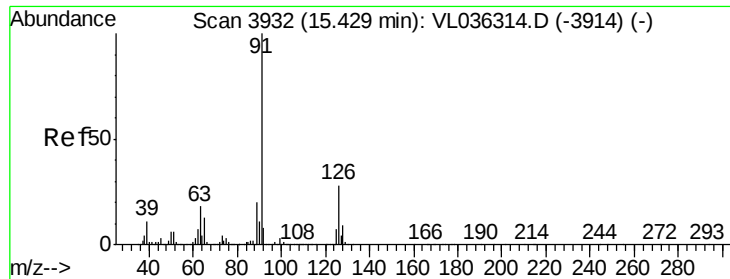
MMDadoda
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#70
n-Butylbenzene
Concen: 10.183 ppbv
RT: 18.54 min Scan# 4900
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.7	65.5
134	22.0	17.4	26.0





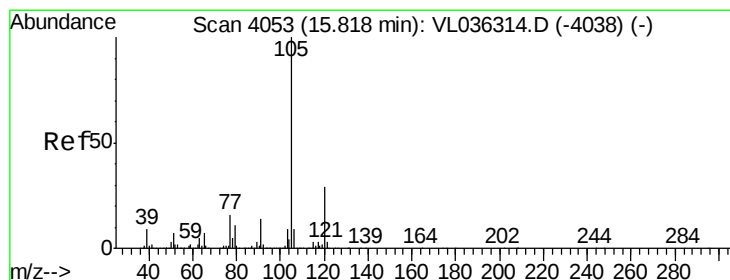
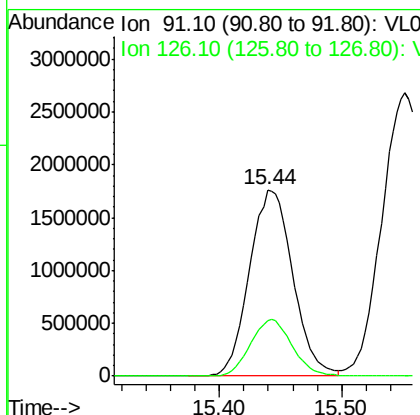
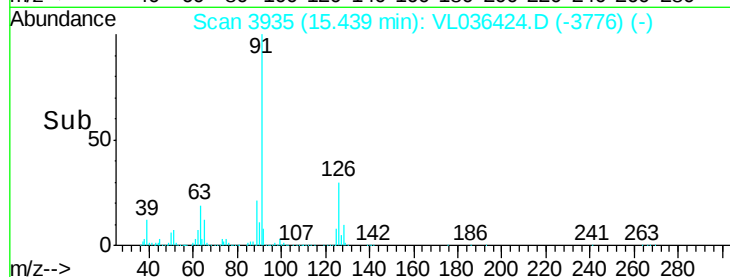
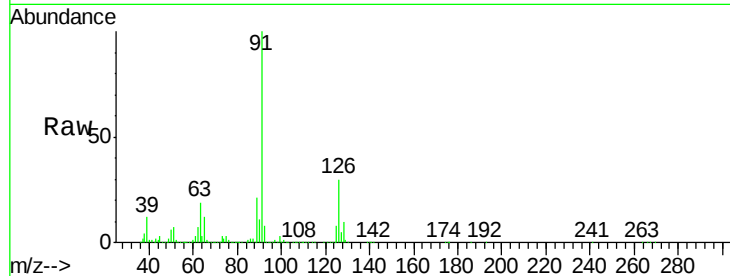
#71
2-Chlorotoluene
Concen: 10.168 ppbv
RT: 15.44 min Scan# 3935
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4333987
Ion Ratio Lower Upper
91 100
126 29.7 11.5 46.1

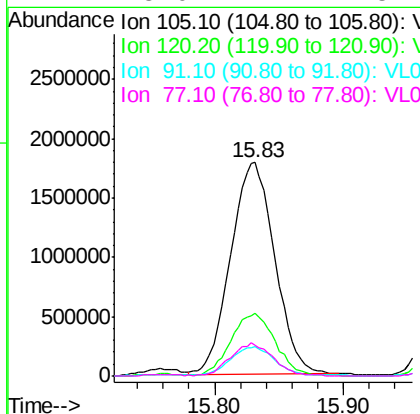
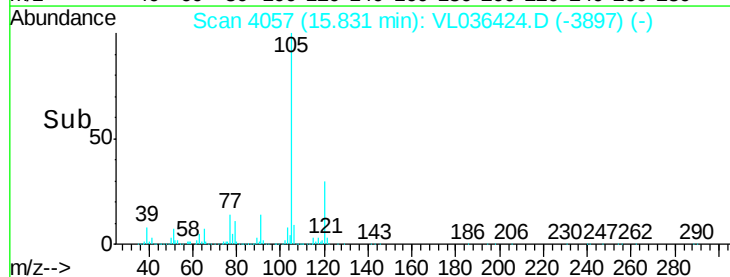
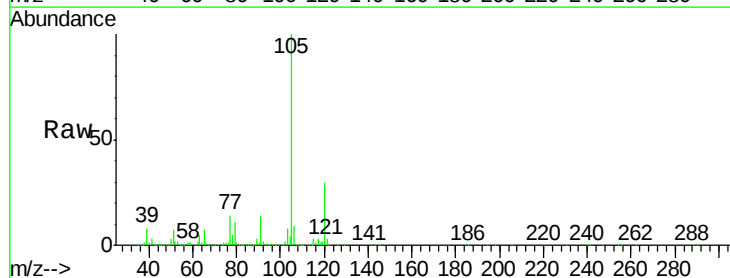
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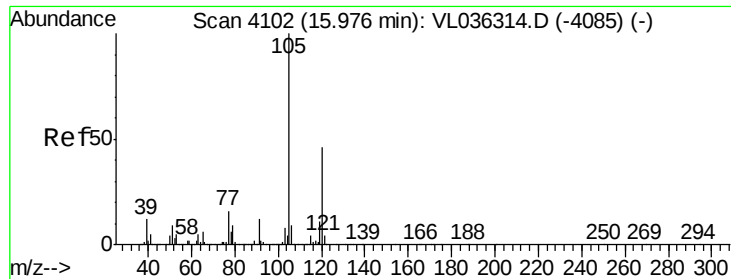
MMDadoda
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#72
4-Ethyltoluene
Concen: 10.349 ppbv
RT: 15.83 min Scan# 4057
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion: 105 Resp: 4272049
Ion Ratio Lower Upper
105 100
120 29.9 23.2 34.8
91 13.5 11.0 16.4
77 15.0 12.2 18.4





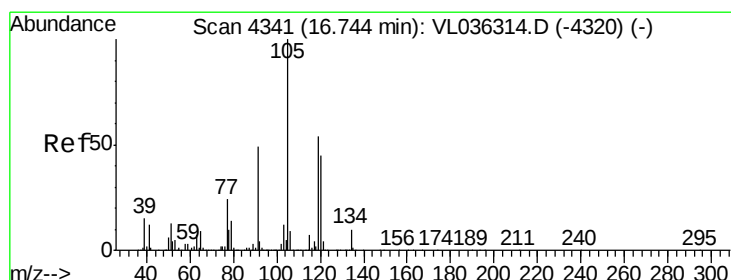
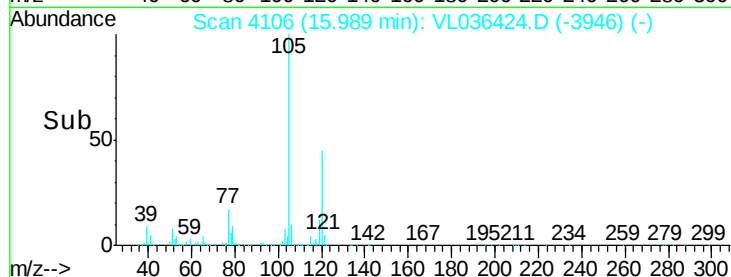
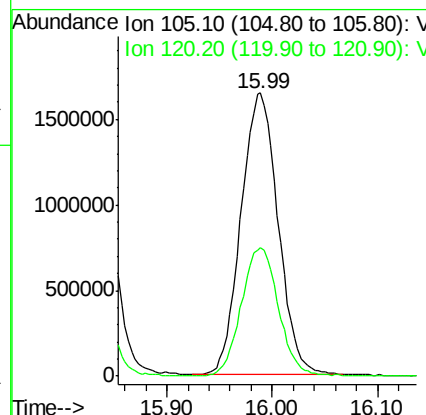
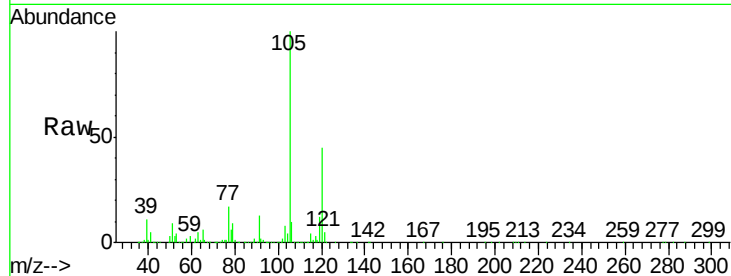
#73
 1,3,5-Trimethylbenzene
 Concen: 10.077 ppbv
 RT: 15.99 min Scan# 4106
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 4032499
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.9 55.3

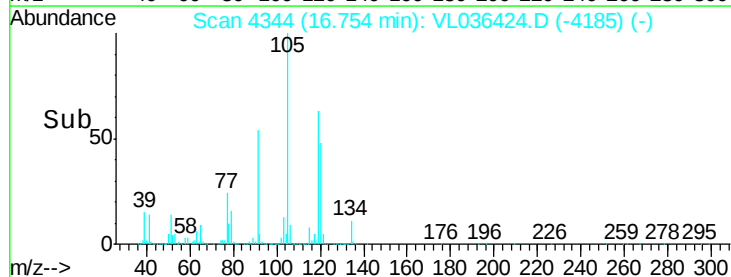
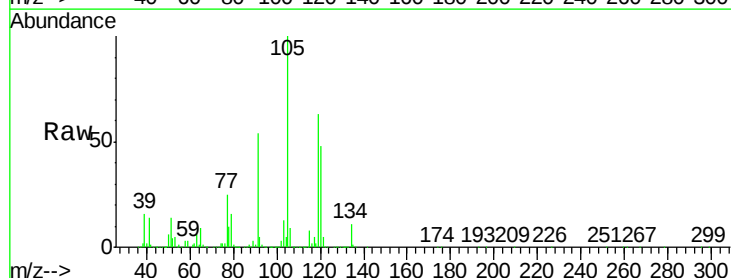
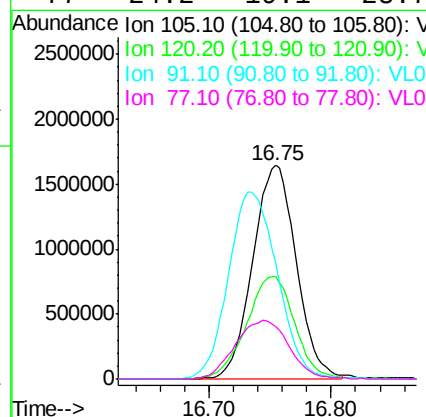
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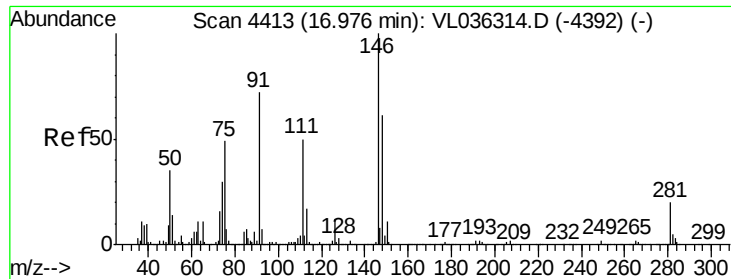
MMDadoda
 3/3/2021 1:52:21 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.922 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Tgt Ion:105 Resp: 4053608
 Ion Ratio Lower Upper
 105 100
 120 48.0 35.8 53.6
 91 53.6 39.8 59.6
 77 24.2 19.1 28.7





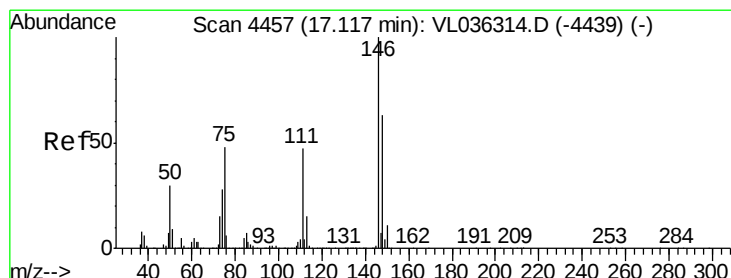
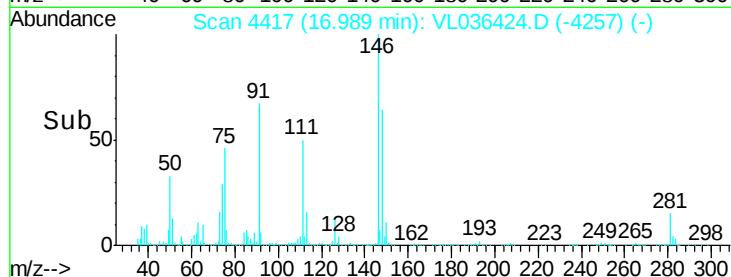
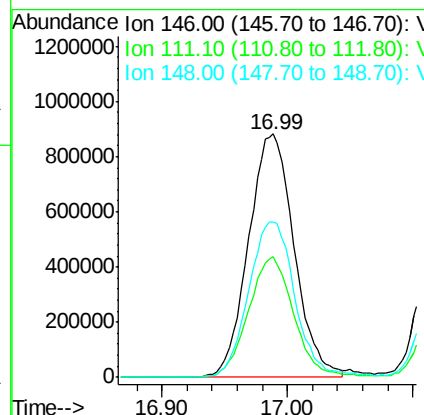
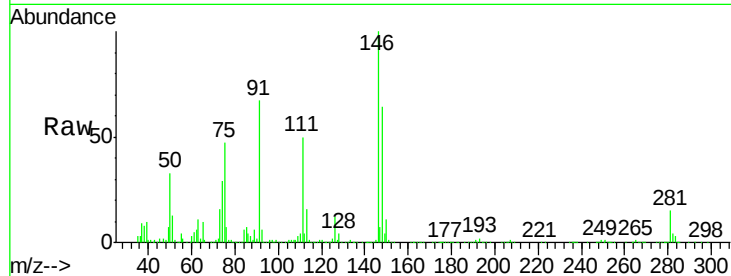
#75
 1,3-Dichlorobenzene
 Concen: 10.052 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2228914
 Ion Ratio Lower Upper
 146 100
 111 49.4 24.9 74.6
 148 65.1 31.9 95.9

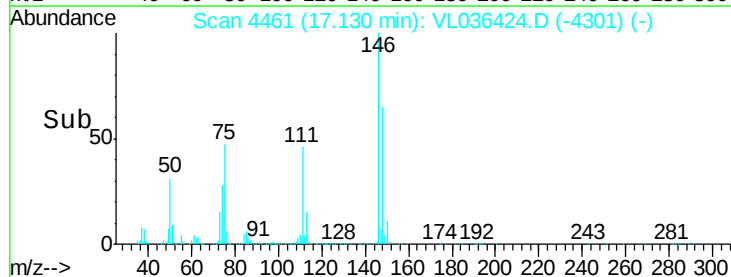
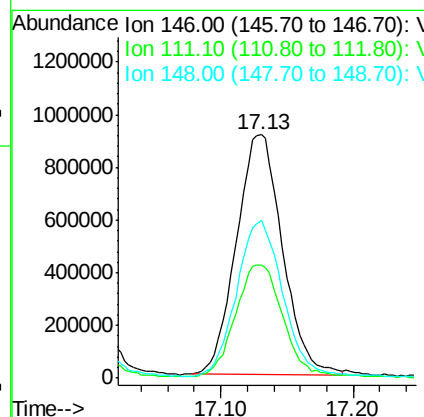
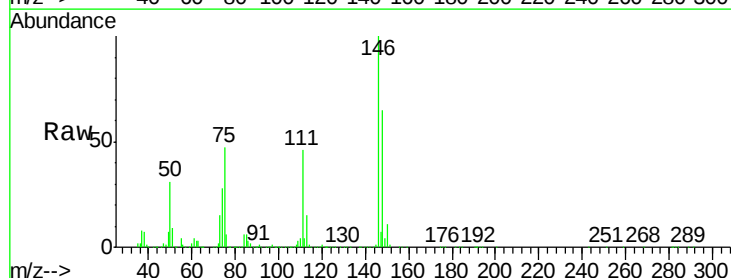
Manual Integrations
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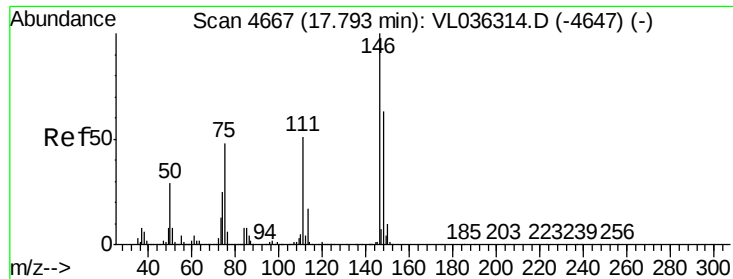
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 9.560 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.01 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Tgt Ion:146 Resp: 2201465
 Ion Ratio Lower Upper
 146 100
 111 49.4 23.6 71.0
 148 66.9 31.6 95.0





#77

1,2-Dichlorobenzene

Concen: 9.994 ppbv

RT: 17.81 min Scan# 4671

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2198370

Ion Ratio Lower Upper

146 100

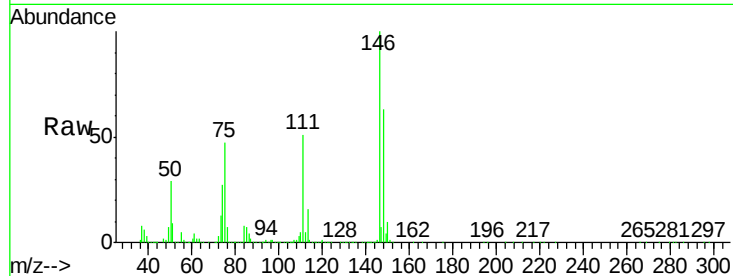
111 52.2 25.9 77.8

148 64.5 32.5 97.4

Manual Integrations
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MMDadoda

3/3/2021 1:52:21 PM

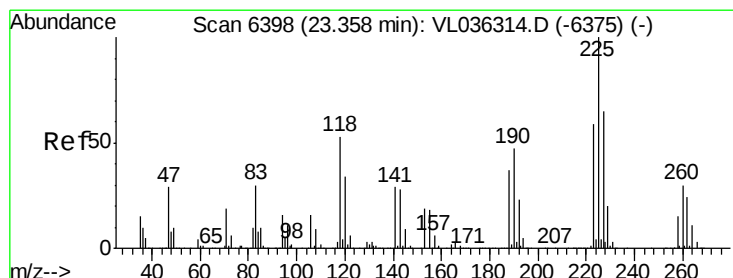
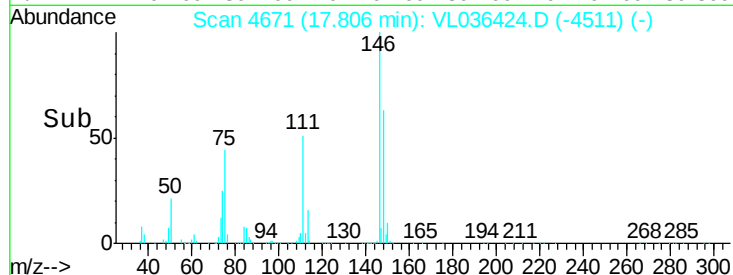
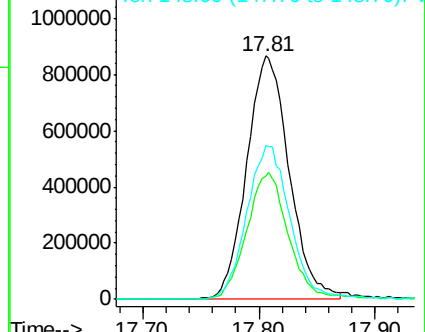


Abundance

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



#78

Hexachloro-1,3-Butadiene

Concen: 8.575 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. 0.01 min

Lab File: VL036424.D

Acq: 2 Mar 2021 9:47

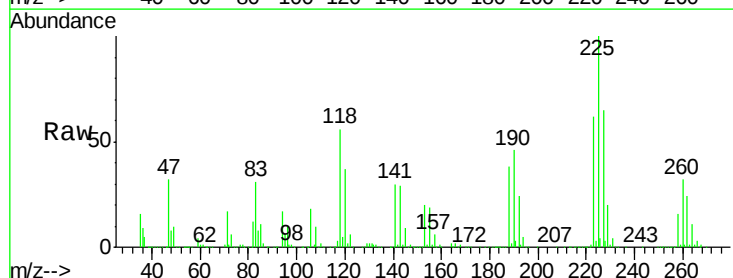
Tgt Ion:225 Resp: 1541030

Ion Ratio Lower Upper

225 100

223 64.1 50.8 76.2

227 65.2 52.2 78.2

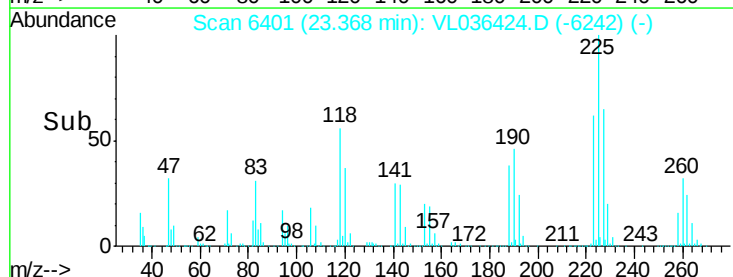
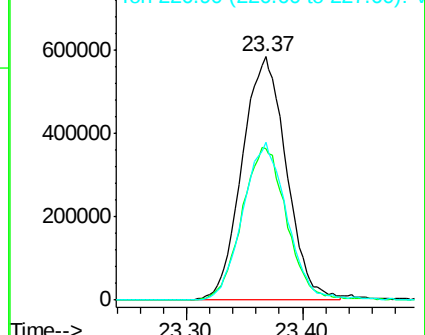


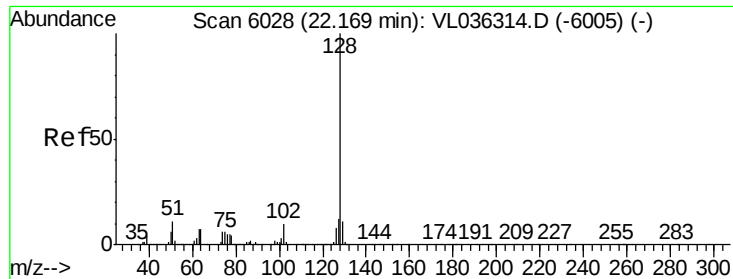
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





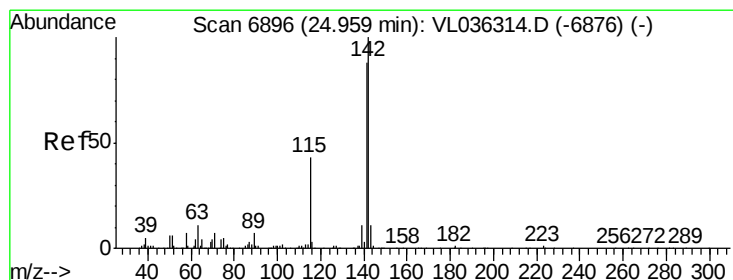
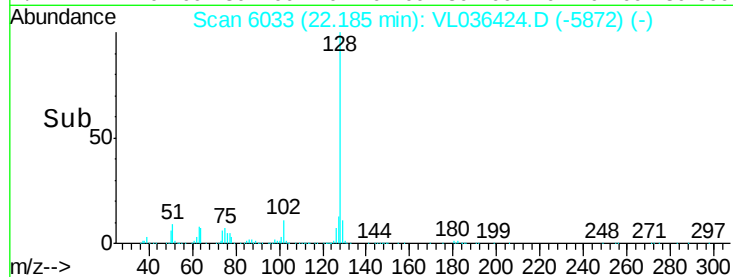
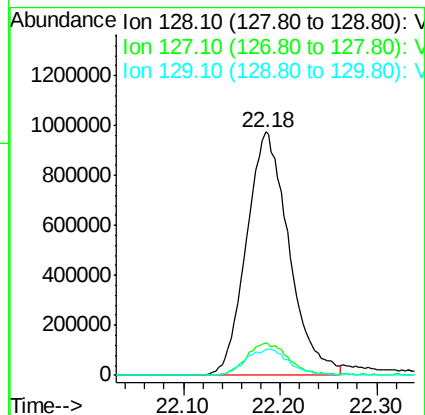
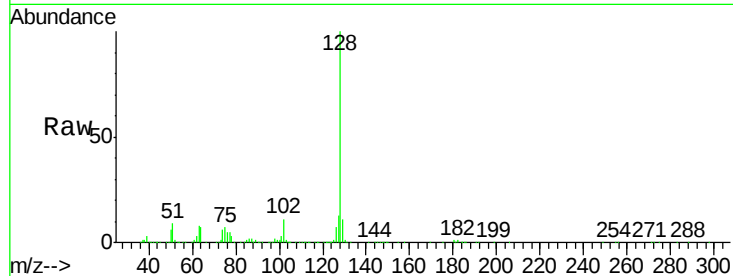
#79
Naphthalene
Concen: 12.296 ppbv
RT: 22.18 min Scan# 6033
Delta R.T. 0.02 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.6	14.4
129	10.6	8.5	12.7

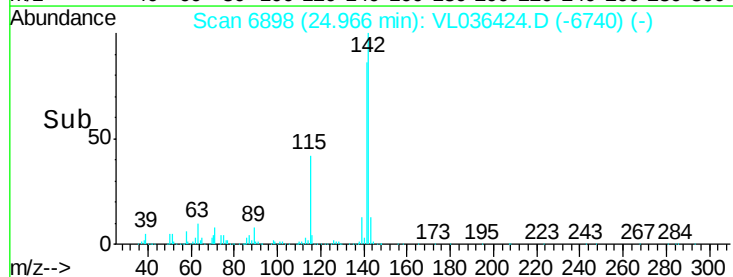
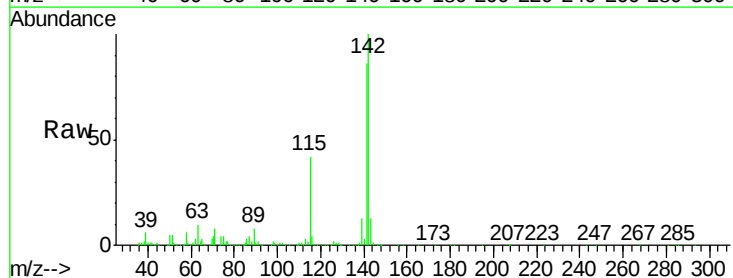
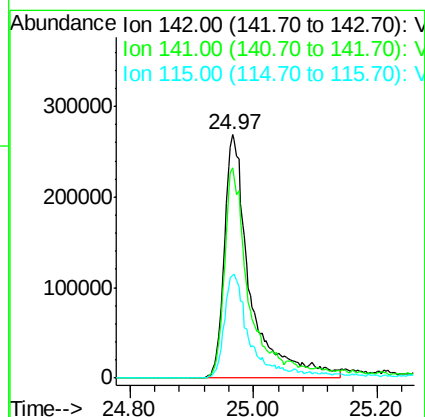
Manual Integrations
APPROVED

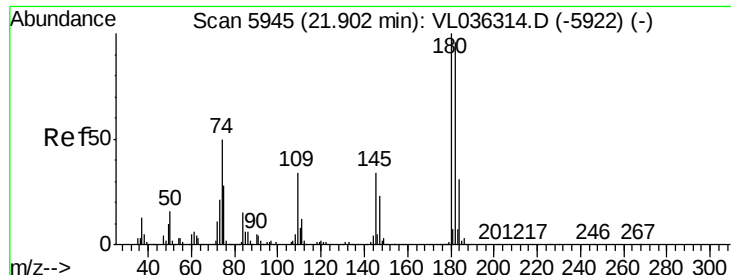
MMDadoda
3/3/2021 1:52:21 PM



#80
Naphthalene, 2-methyl-
Concen: 17.482 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL036424.D
Acq: 2 Mar 2021 9:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.0	64.4	96.6
115	41.1	34.6	51.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.633 ppbv m
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.02 min
 Lab File: VL036424.D
 Acq: 2 Mar 2021 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	80.2	120.4#
184	32.1	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 1:52:21 PM

