

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035141.D
 Acq On : 1 Jul 2020 1:34
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 5:01:02 PM

Quant Time: Jul 01 05:24:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1187686	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	2841122	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.13	117	2958741m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2308564	9.39	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1797221	11.206	ppbv 98
3) Chlorodifluoromethane	2.95	51	1257435	9.584	ppbv 100
4) Chloromethane	3.11	50	709580	9.648	ppbv 99
5) Vinyl Chloride	3.22	62	711579	10.174	ppbv 99
6) Bromomethane	3.44	94	452016	10.408	ppbv 93
7) Chloroethane	3.53	64	273358	10.365	ppbv 97
8) Dichlorotetrafluoroethane	3.15	85	1681330	9.778	ppbv 100
9) Propene	2.97	41	517005	9.951	ppbv 99
10) Heptane	8.14	43	1406059	10.443	ppbv 99
11) Trichlorofluoromethane	3.92	101	1757595	10.259	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1254411	10.588	ppbv 100
13) Ethanol	3.57	45	136174	6.938	ppbv 96
14) Bromoethene	3.71	108	532756	10.432	ppbv 96
15) Acetone	3.83	43	1336009	9.304	ppbv 99
16) 1,3-Butadiene	3.29	39	649676	10.316	ppbv 100
17) tert-Butyl alcohol	4.27	59	1404414	11.036	ppbv 99
18) 1,1-Dichloroethene	4.27	96	577346	10.805	ppbv 96
19) Isopropyl Alcohol	3.94	45	958232	10.277	ppbv 99
20) Methylene Chloride	4.33	84	515586	8.872	ppbv 92
21) Allyl Chloride	4.39	41	913358	10.703	ppbv 97
22) trans-1,2-Dichloroethene	4.87	96	562609	11.254	ppbv 98
23) Vinyl Acetate	5.07	43	1860880	10.676	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1478540	10.062	ppbv 99
25) Ethyl Acetate	5.67	43	2509381	9.683	ppbv 100
26) Hexane	5.68	57	1136095	9.724	ppbv 98
27) Carbon Disulfide	4.53	76	1503927	12.438	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1723994	10.502	ppbv 99
29) Chloroform	5.75	83	1767670	9.668	ppbv 99
30) Cyclohexane	7.14	84	916588	10.931	ppbv 100
31) cis-1,2-Dichloroethene	5.55	61	1130722	10.498	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	1713566	10.105	ppbv 100
34) 2-Butanone	5.24	43	1582484	9.699	ppbv 100
35) Carbon Tetrachloride	7.03	117	1768850	10.381	ppbv 96
36) Benzene	6.90	78	2196353	9.983	ppbv 97
37) 1,2-Dichloroethane	6.31	62	1393728	10.024	ppbv 100
38) Trichloroethene	7.85	130	875187	10.242	ppbv 98
39) 1,2-Dichloropropane	7.63	63	862987	10.029	ppbv 98
40) 1,4-Dioxane	7.84	88	341806	10.071	ppbv # 90
41) Tetrahydrofuran	6.05	42	875520	10.506	ppbv 99
42) Bromodichloromethane	7.81	83	1855219	10.302	ppbv 96
43) Methyl Methacrylate	8.03	69	1010770	10.854	ppbv 99

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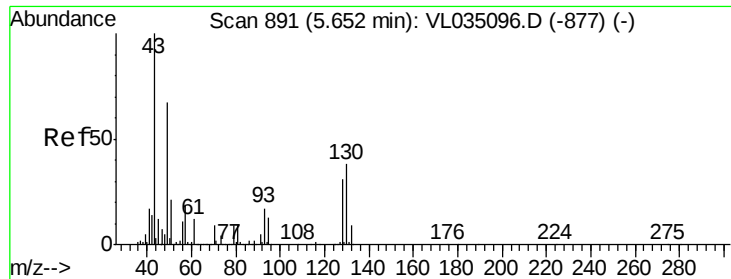
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3790574	9.872	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1112290	12.273	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1302868	11.572	ppbv	95
47) 1,1,2-Trichloroethane	9.50	97	908946	9.679	ppbv	93
48) Dibromochloromethane	10.34	129	1528558	10.918	ppbv	99
49) Bromoform	13.09	173	1274382	10.715	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2365500	10.204	ppbv	100
51) 2-Hexanone	10.16	43	1883716	10.376	ppbv #	99
52) Tetrachloroethene	11.26	164	773558	9.979	ppbv	96
53) Toluene	9.83	91	2537201	10.812	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1360458	9.784	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.16	131	1151555	9.510	ppbv #	60
57) Chlorobenzene	12.19	112	1916092	8.801	ppbv	99
58) Ethyl Benzene	12.75	91	3379316	10.165	ppbv	98
59) m/p-Xylene	13.04	91	5560030m	18.872	ppbv	
60) o-Xylene	13.73	91	2766777	9.433	ppbv	98
61) Styrene	13.57	104	1938089	10.501	ppbv	99
62) Isopropylbenzene	14.71	105	4077287	9.315	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	1910814	8.044	ppbv	99
64) n-propylbenzene	15.61	120	1066749	9.551	ppbv	97
65) tert-Butylbenzene	16.80	119	3500684	9.341	ppbv	99
66) Benzyl Chloride	17.04	91	1314276	11.352	ppbv	99
67) sec-Butylbenzene	17.34	105	5013050	9.332	ppbv	100
69) p-Isopropyltoluene	17.70	119	4211306	9.829	ppbv	100
70) n-Butylbenzene	18.60	91	4472623	9.691	ppbv	99
71) 2-Chlorotoluene	15.50	91	3113052	9.410	ppbv	100
72) 4-Ethyltoluene	15.88	105	3196586	9.797	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	2999095	9.724	ppbv	100
74) 1,2,4-Trimethylbenzene	16.82	105	3164483	9.193	ppbv #	89
75) 1,3-Dichlorobenzene	17.05	146	1842175	8.967	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	1812104	9.221	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1764979	9.389	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1700865	10.066	ppbv	100
79) Naphthalene	22.27	128	3766794	12.481	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	1396006	12.098	ppbv	100
81) 1,2,4-Trichlorobenzene	22.00	180	1974856	11.343	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1187686

Ion Ratio Lower Upper

49 100

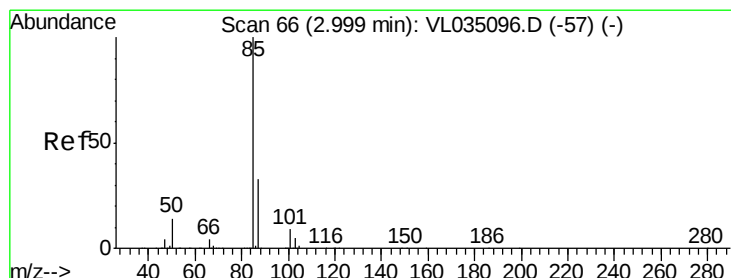
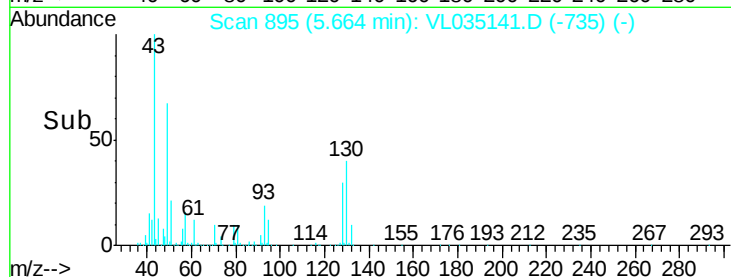
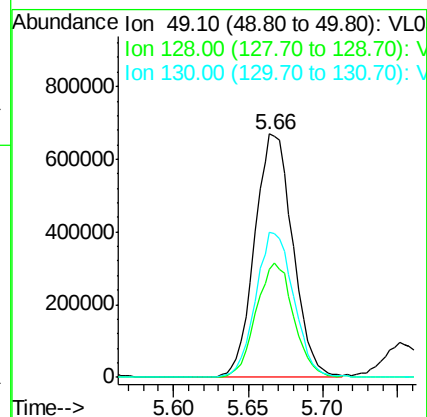
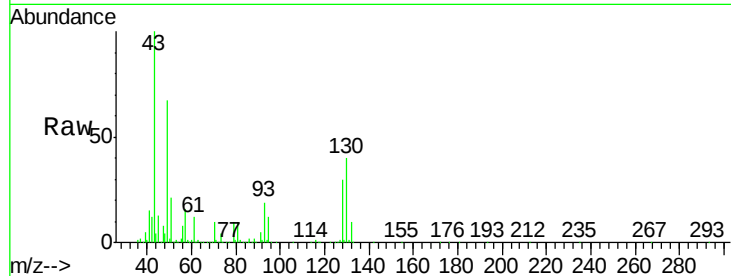
128 46.1 22.9 68.5

130 59.5 29.0 87.0

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#2

Dichlorodifluoromethane

Concen: 11.206 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035141.D

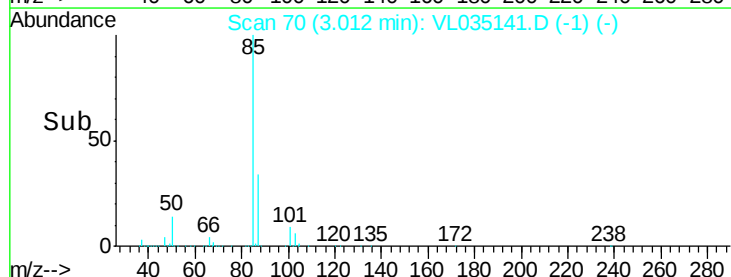
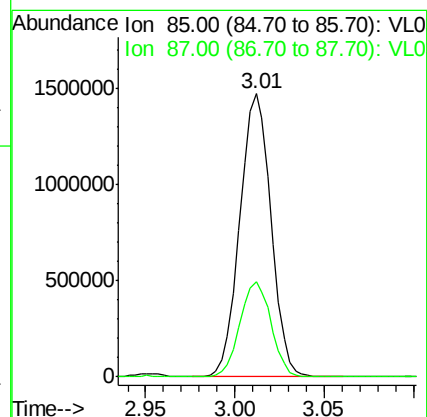
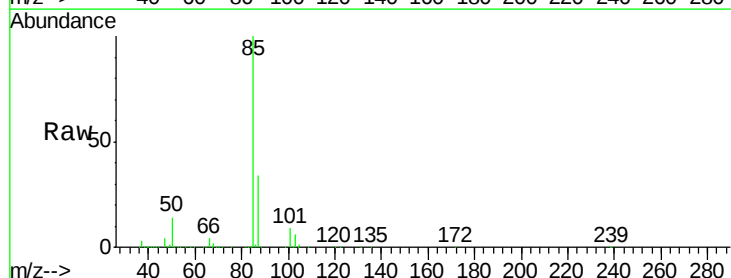
Acq: 1 Jul 2020 1:34

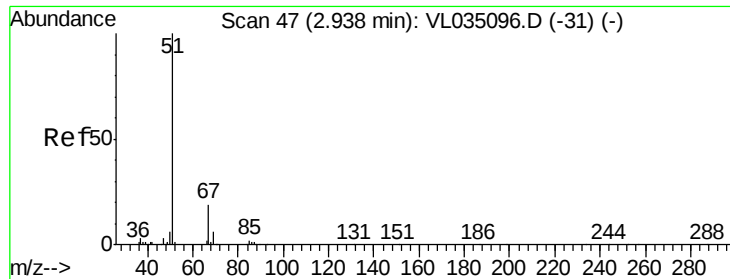
Tgt Ion: 85 Resp: 1797221

Ion Ratio Lower Upper

85 100

87 33.7 26.1 39.1





#3

Chlorodifluoromethane

Concen: 9.584 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Tot Ion: 51 Resp: 1257435

Ion Ratio Lower Upper

51 100

67 19.2 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

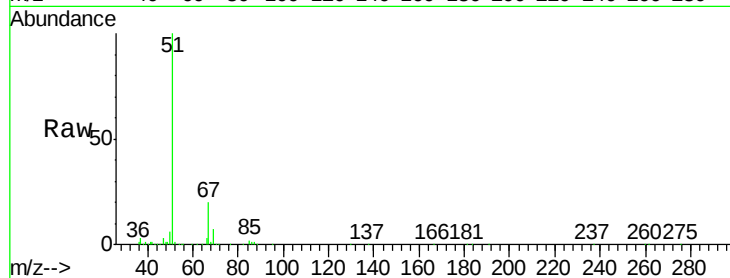
VSTDCCC010EC

Manual Integrations

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7/2/2020 5:01:02 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.95

1000000

800000

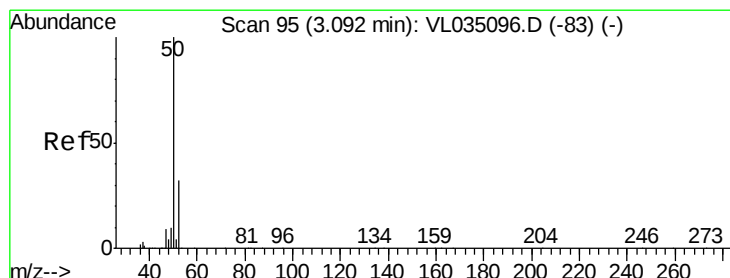
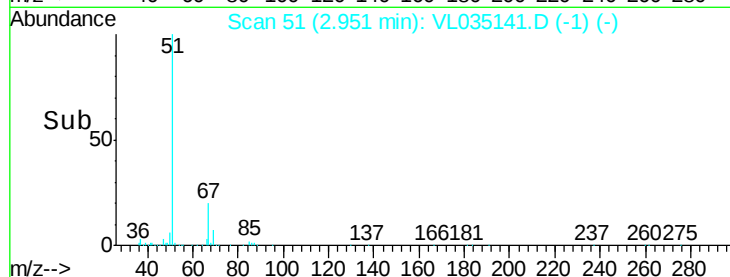
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.648 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.01 min

Lab File: VL035141.D

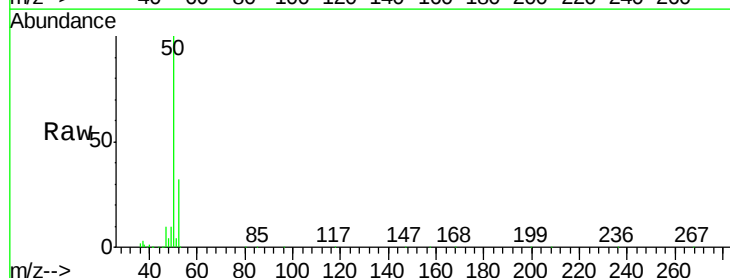
Acq: 1 Jul 2020 1:34

Tgt Ion: 50 Resp: 709580

Ion Ratio Lower Upper

50 100

52 32.3 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.11

600000

500000

400000

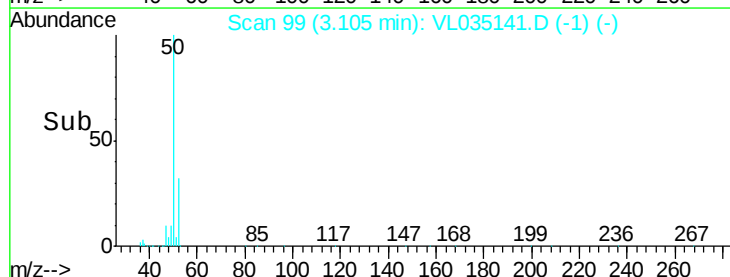
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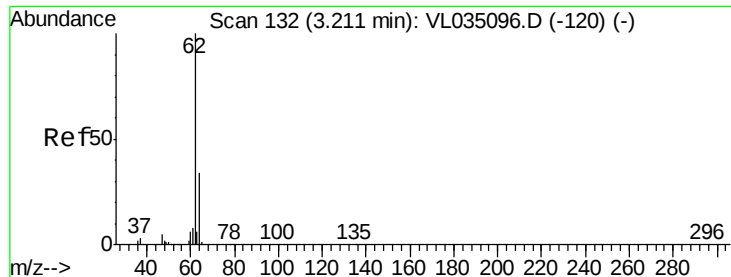
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 10.174 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 711579

Ion Ratio Lower Upper

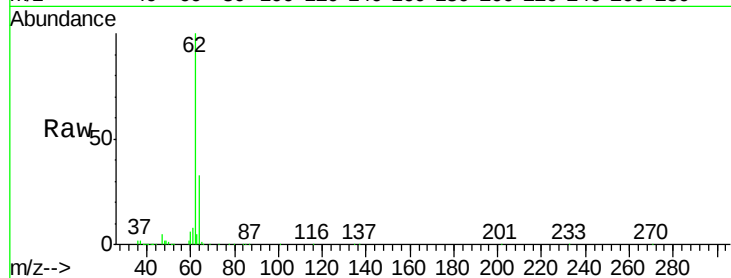
62 100

64 33.3 27.0 40.4

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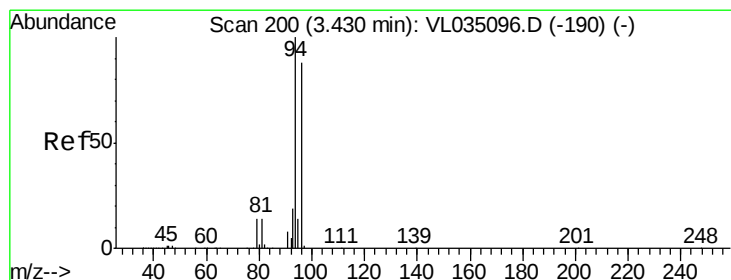
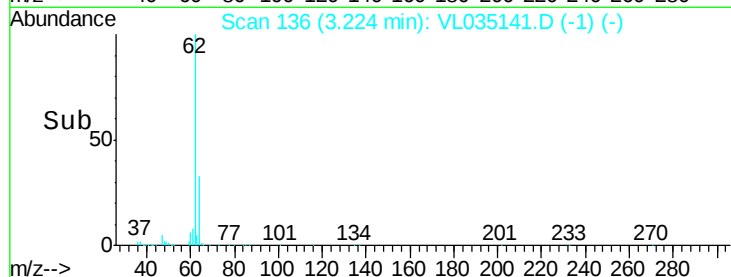
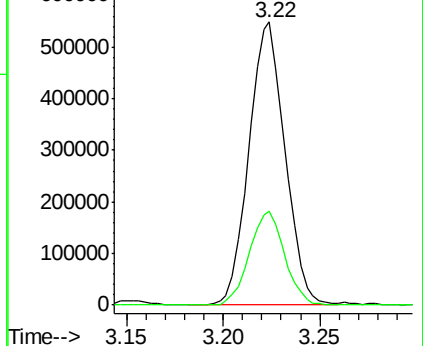
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.408 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.01 min

Lab File: VL035141.D

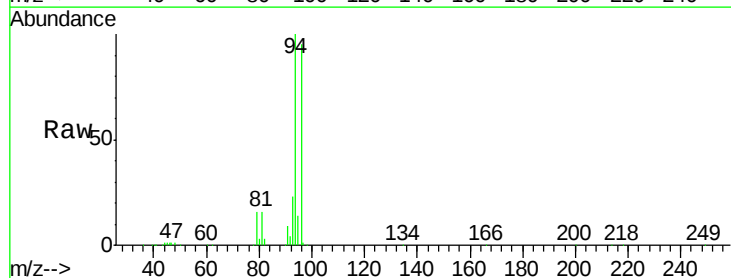
Acq: 1 Jul 2020 1:34

Tgt Ion: 94 Resp: 452016

Ion Ratio Lower Upper

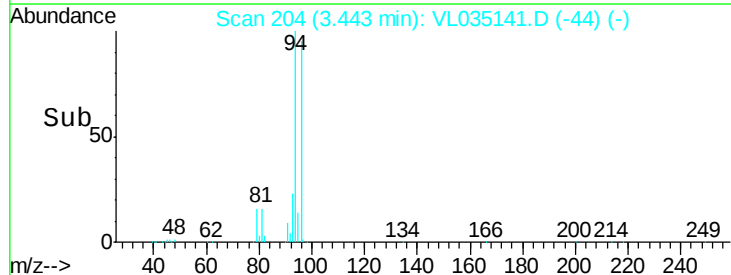
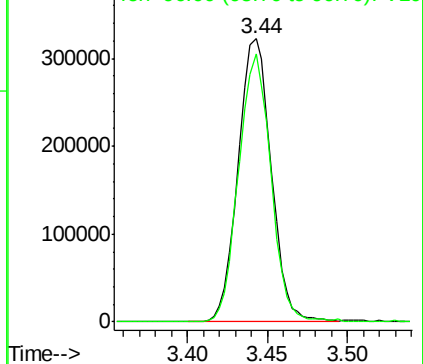
94 100

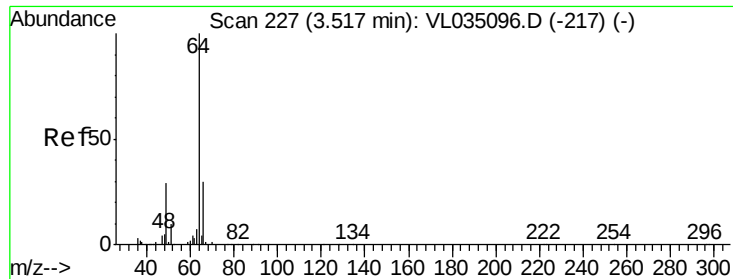
96 94.5 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.365 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 273358

Ion Ratio Lower Upper

64 100

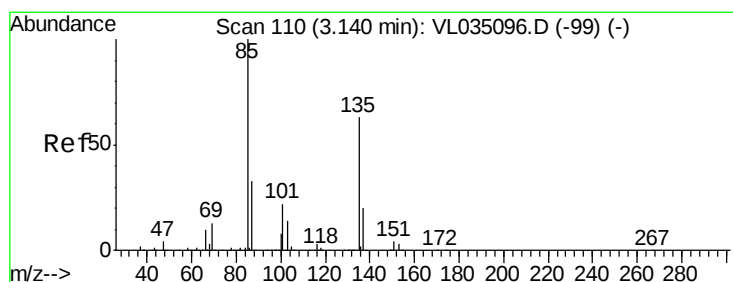
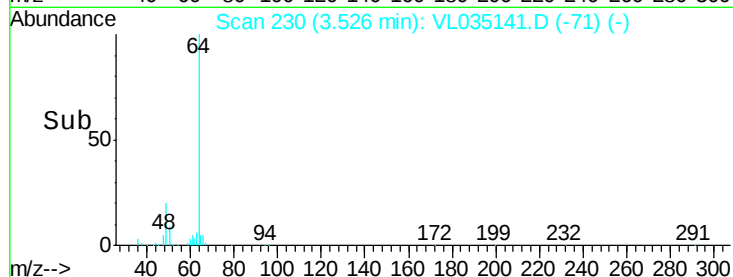
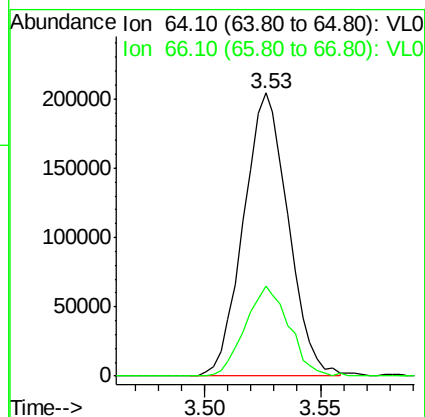
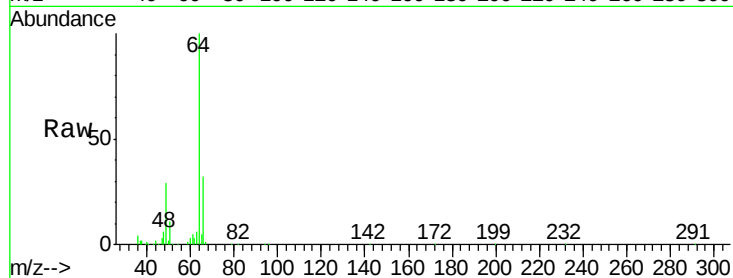
66 32.0 24.2 36.4

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7/2/2020 5:01:02 PM



#8

Dichlorotetrafluoroethane

Concen: 9.778 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL035141.D

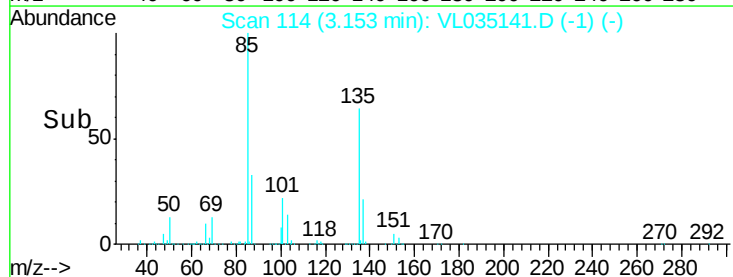
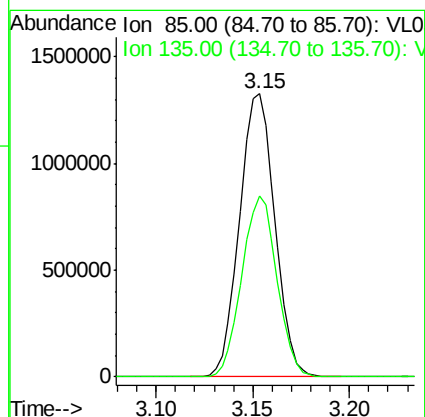
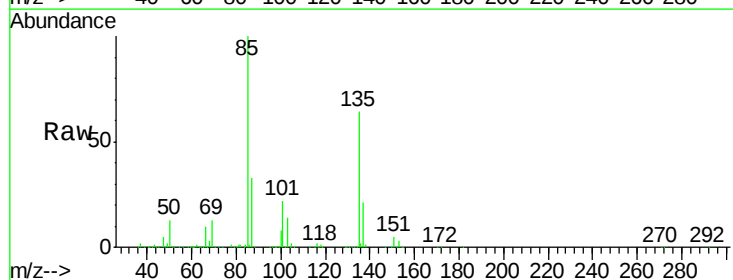
Acq: 1 Jul 2020 1:34

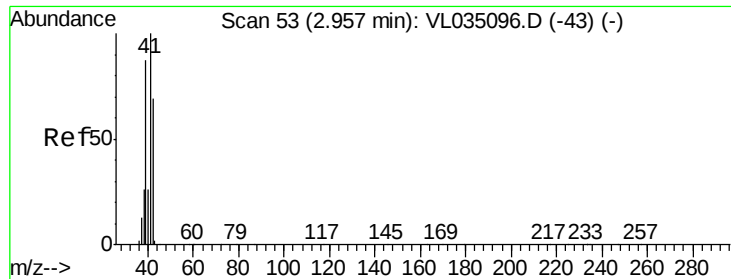
Tgt Ion: 85 Resp: 1681330

Ion Ratio Lower Upper

85 100

135 63.7 51.0 76.6





#9

Propene

Concen: 9.951 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 517005

Ion Ratio Lower Upper

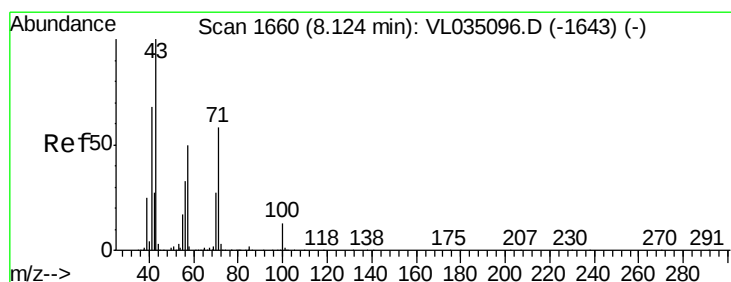
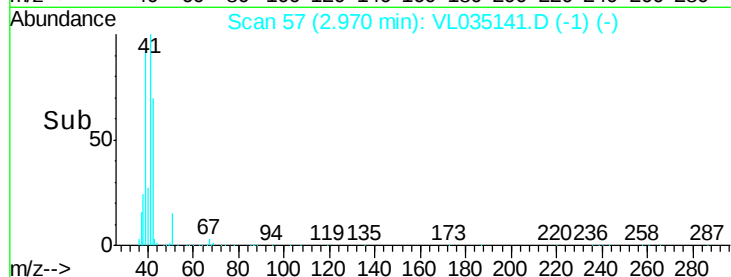
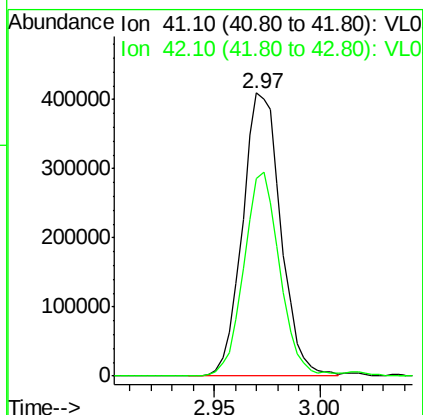
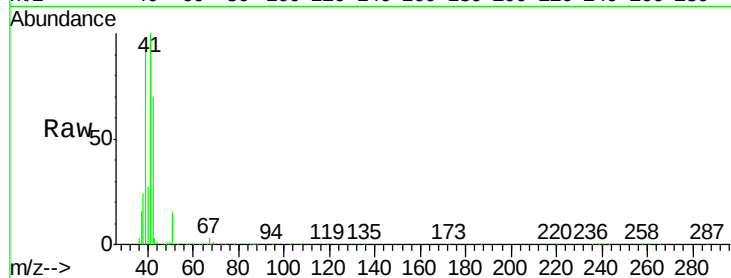
41 100

42 69.0 55.8 83.6

Manual Integrations
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7/2/2020 5:01:02 PM



#10

Heptane

Concen: 10.443 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.02 min

Lab File: VL035141.D

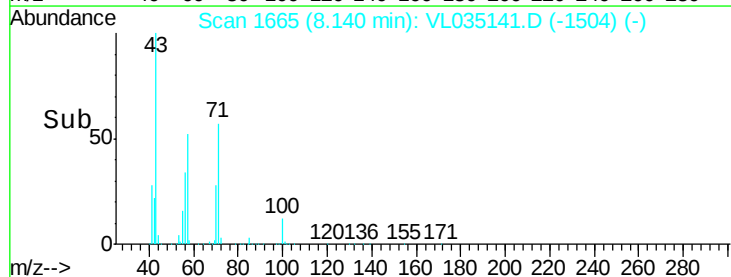
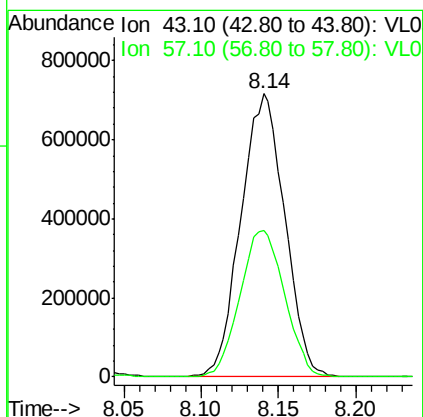
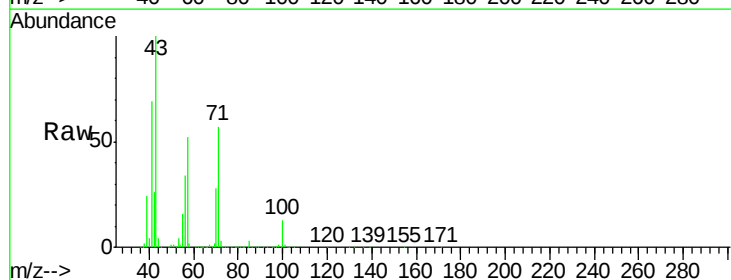
Acq: 1 Jul 2020 1:34

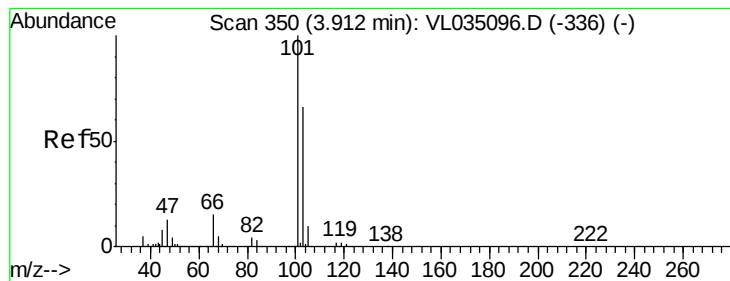
Tgt Ion: 43 Resp: 1406059

Ion Ratio Lower Upper

43 100

57 53.1 41.9 62.9





#11

Trichlorofluoromethane

Concen: 10.259 ppbv

RT: 3.92 min Scan# 354

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1757595

Ion Ratio Lower Upper

101 100

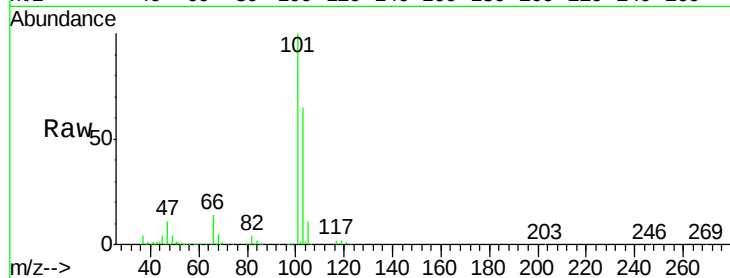
103 65.2 52.6 79.0

Manual Integrations

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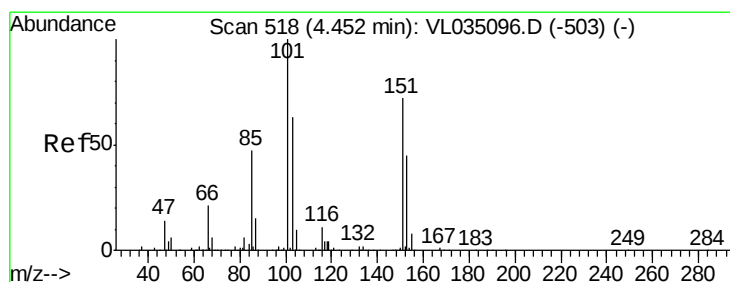
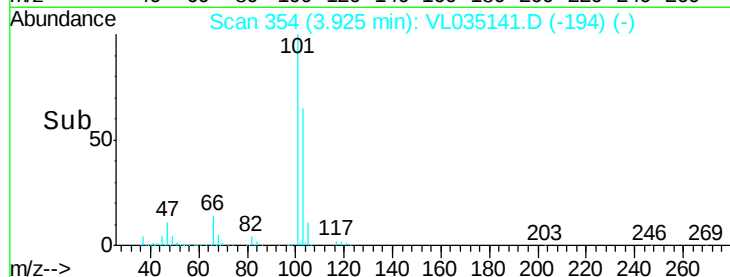
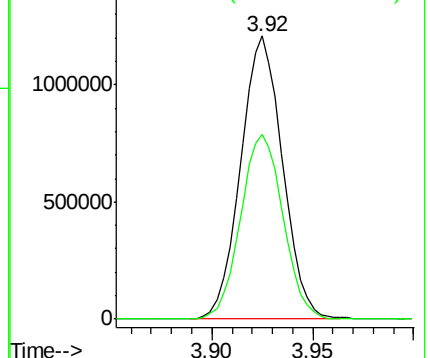
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.588 ppbv

RT: 4.47 min Scan# 522

Delta R.T. 0.01 min

Lab File: VL035141.D

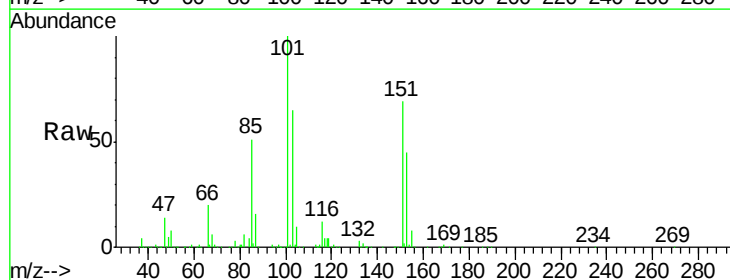
Acq: 1 Jul 2020 1:34

Tgt Ion:101 Resp: 1254411

Ion Ratio Lower Upper

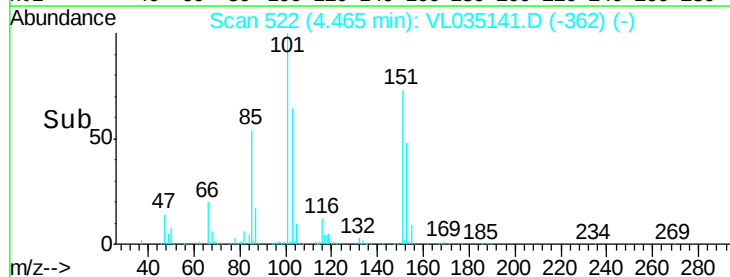
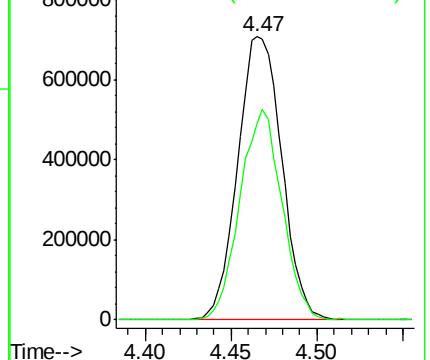
101 100

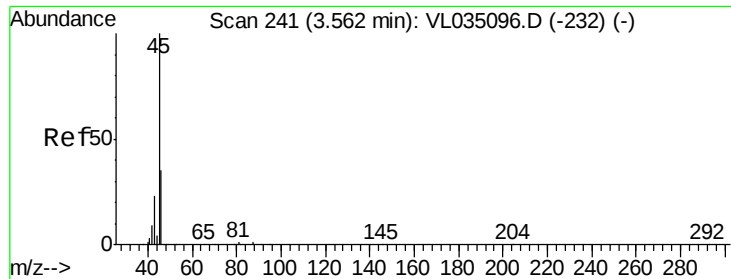
151 71.1 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





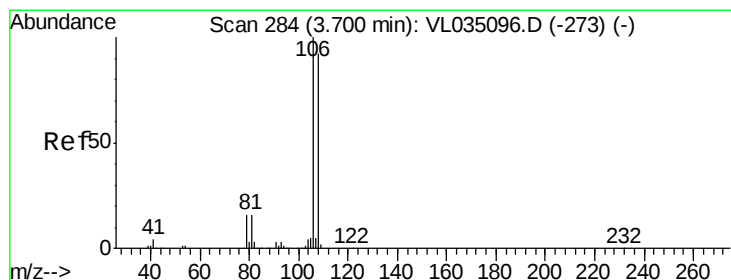
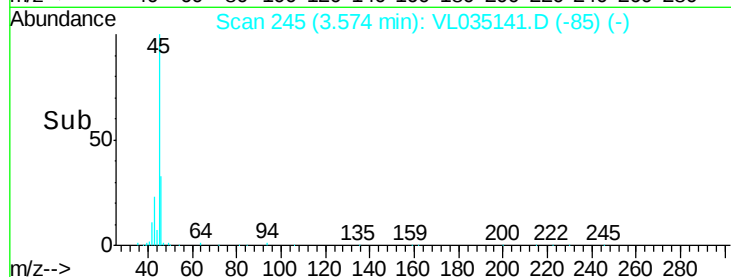
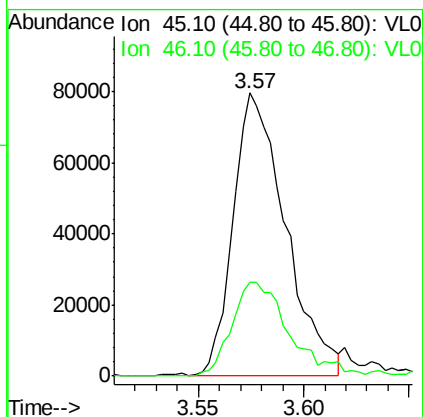
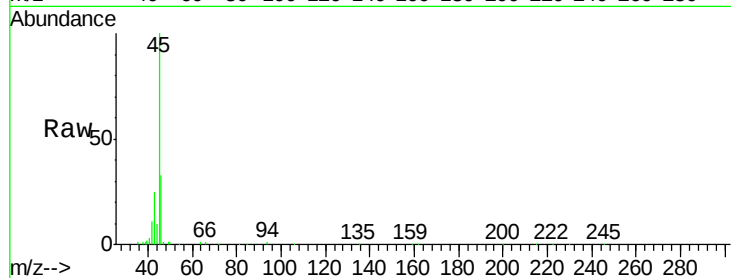
#13
Ethanol
Concen: 6.938 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 136174
Ion Ratio Lower Upper
45 100
46 37.9 14.2 57.0

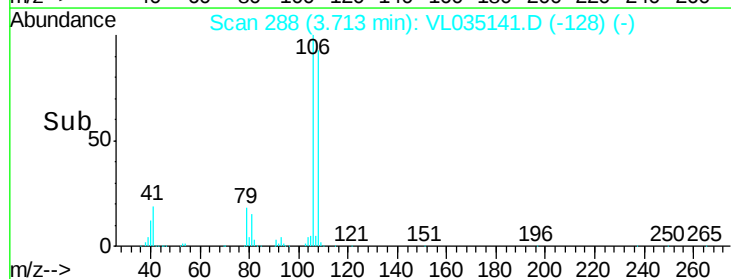
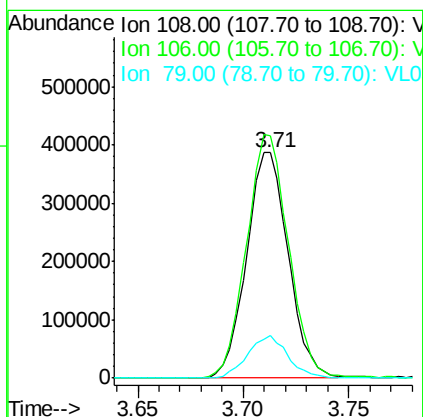
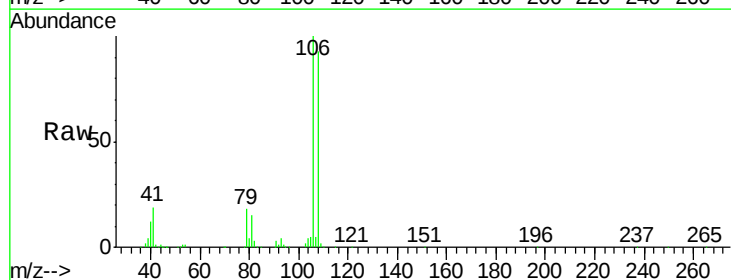
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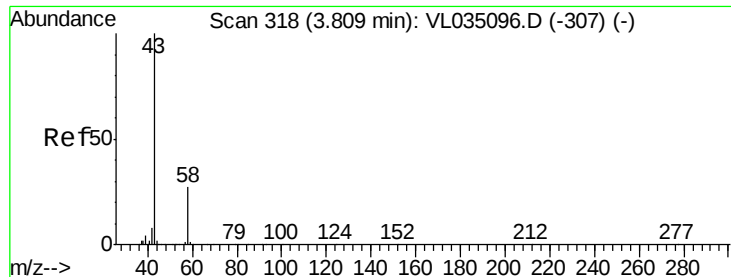
MMDadoda
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#14
Bromoethene
Concen: 10.432 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 108 Resp: 532756
Ion Ratio Lower Upper
108 100
106 109.7 84.4 126.6
79 18.6 14.2 21.2





#15

Acetone

Concen: 9.304 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1336009

Ion Ratio Lower Upper

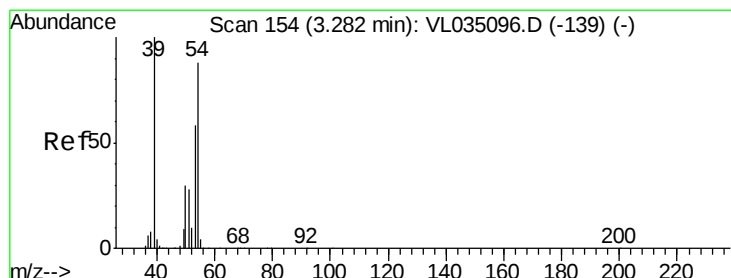
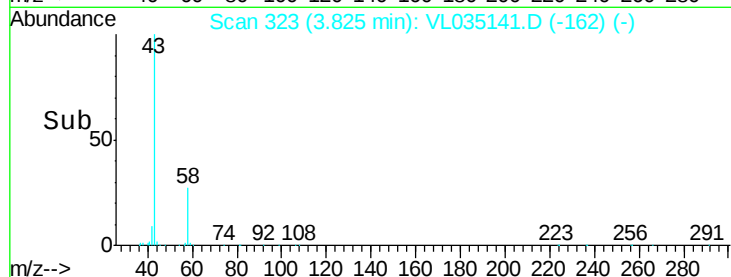
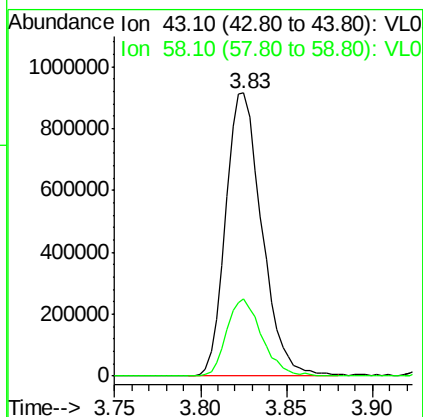
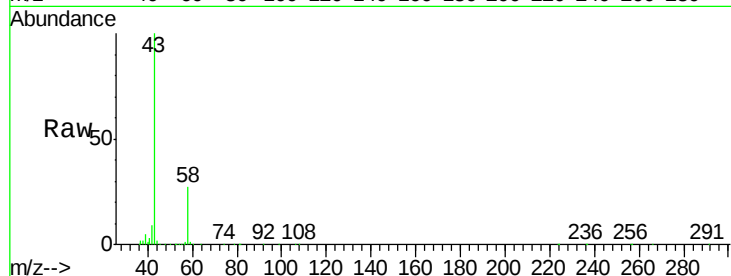
43 100

58 26.9 21.8 32.6

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7/2/2020 5:01:02 PM



#16

1,3-Butadiene

Concen: 10.316 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.01 min

Lab File: VL035141.D

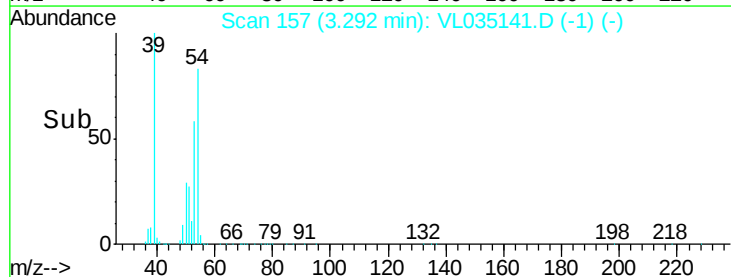
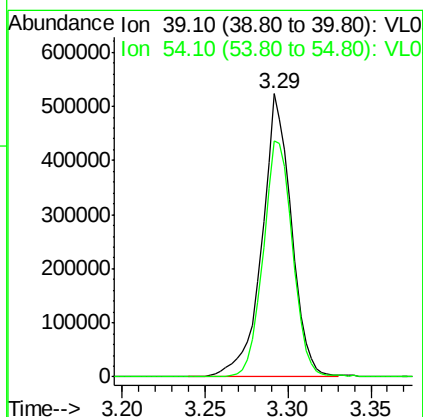
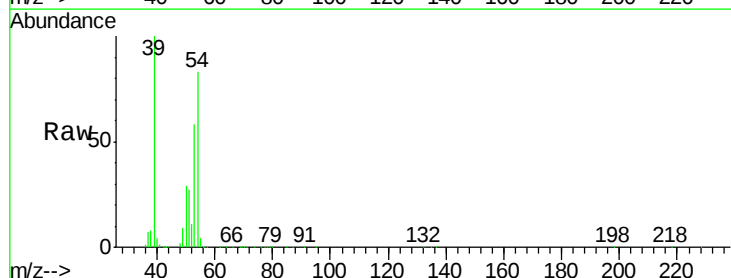
Acq: 1 Jul 2020 1:34

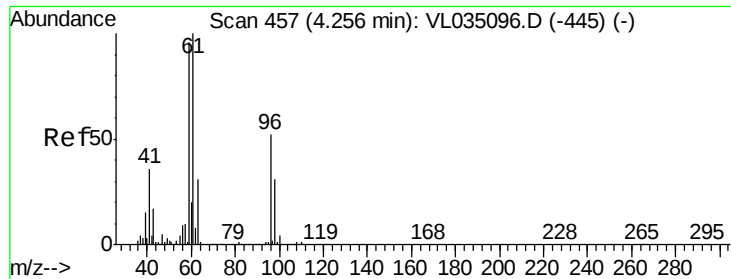
Tgt Ion: 39 Resp: 649676

Ion Ratio Lower Upper

39 100

54 83.9 67.0 100.4





#17

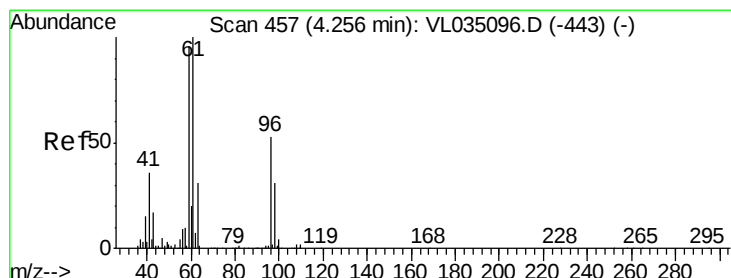
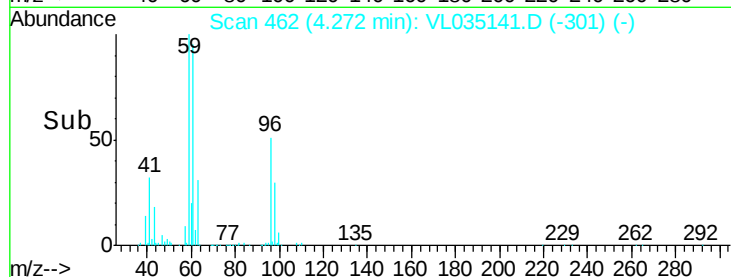
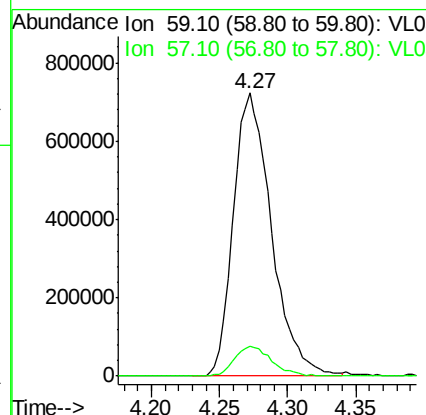
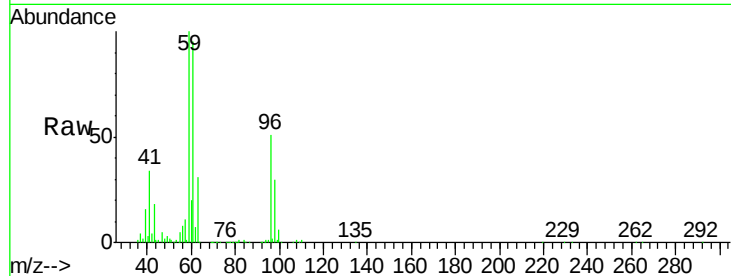
tert-Butyl alcohol
Concen: 11.036 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1404414
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8

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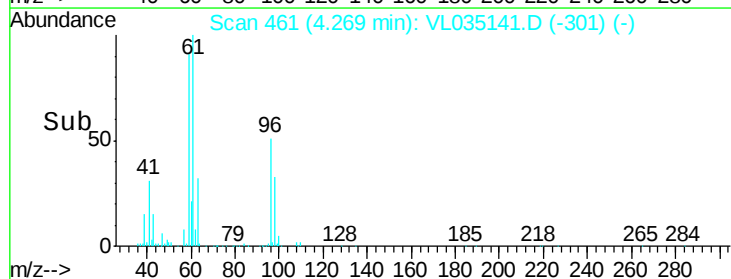
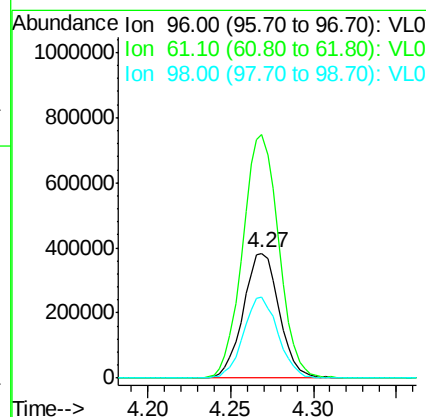
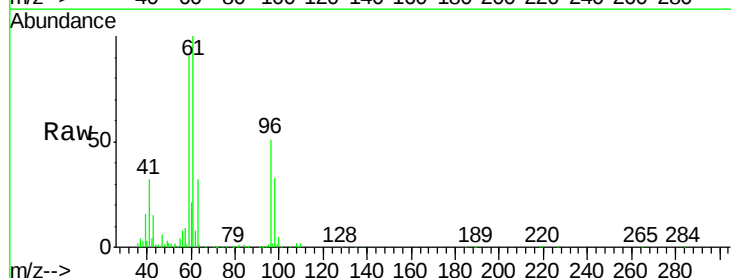
MMDadoda
7/2/2020 5:01:02 PM

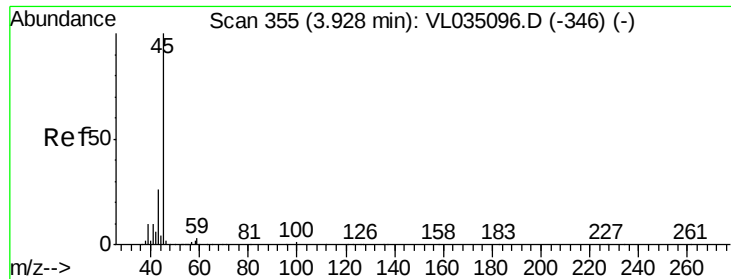


#18

1,1-Dichloroethene
Concen: 10.805 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 96 Resp: 577346
Ion Ratio Lower Upper
96 100
61 195.0 152.2 228.4
98 64.9 47.7 71.5





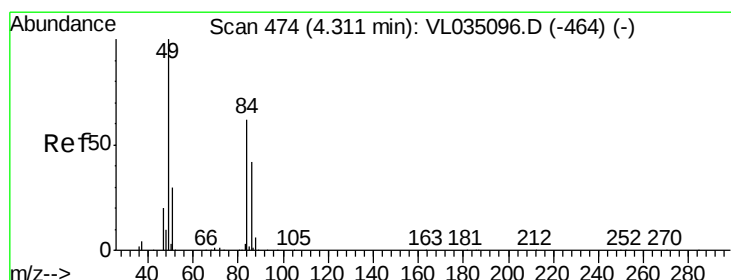
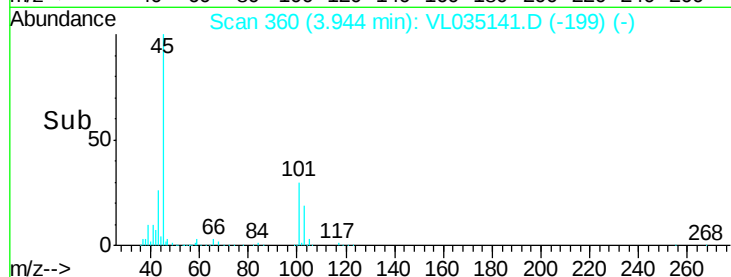
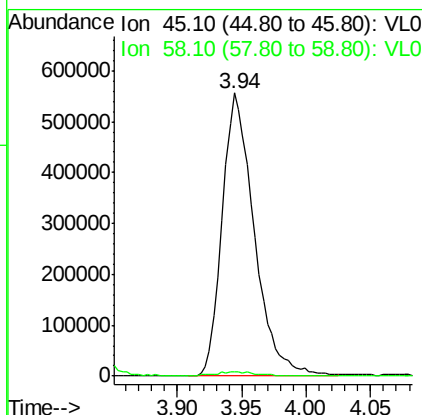
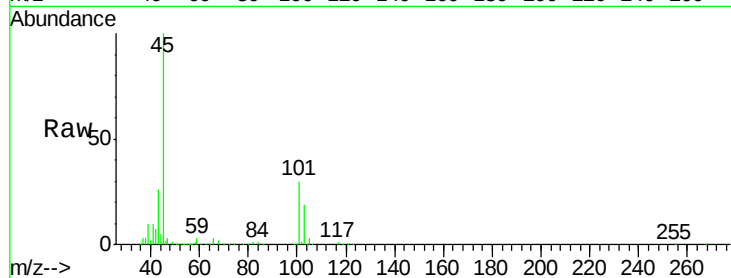
#19
Isopropyl Alcohol
Concen: 10.277 ppbv
RT: 3.94 min Scan# 360
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	958232
Ion Ratio	100	Lower	Upper
45	100		
58	2.1	1.8	2.8

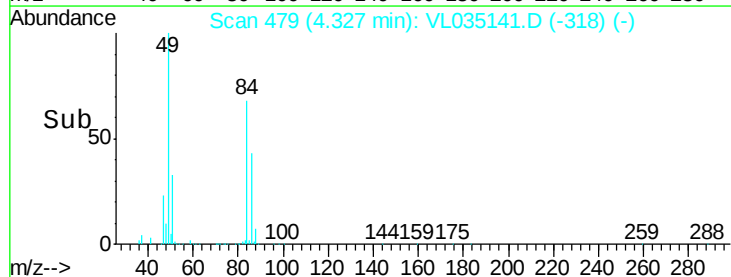
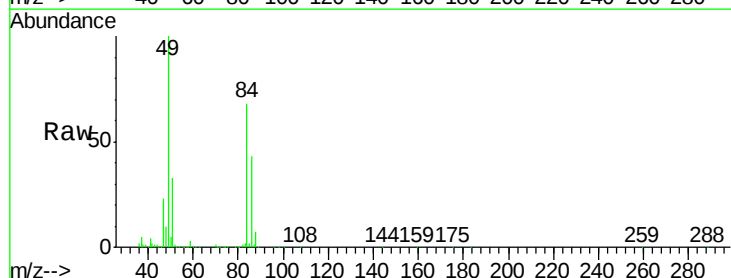
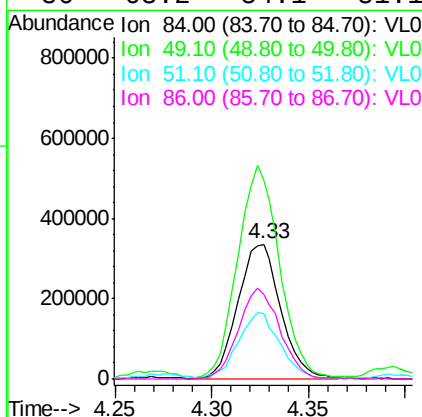
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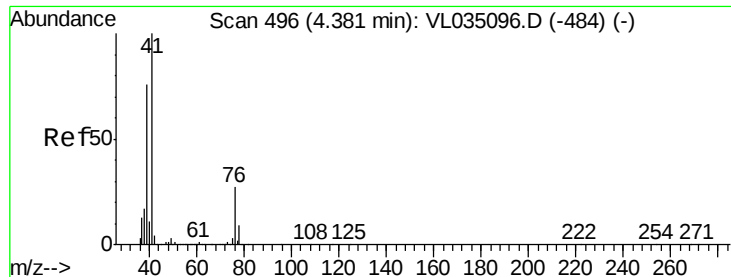
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#20
Methylene Chloride
Concen: 8.872 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion	84	Resp	515586
Ion Ratio	100	Lower	Upper
84	100		
49	146.2	128.8	193.2
51	47.9	38.7	58.1
86	63.2	54.1	81.1





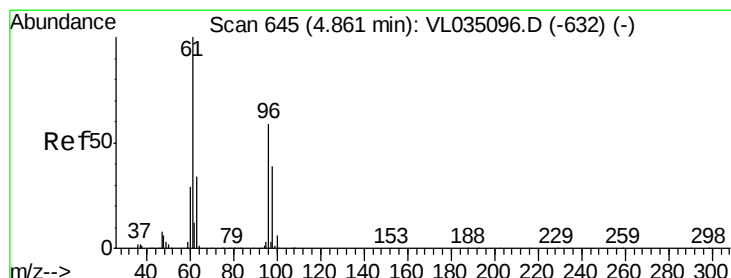
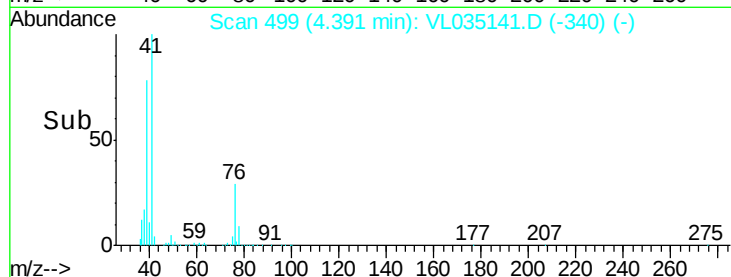
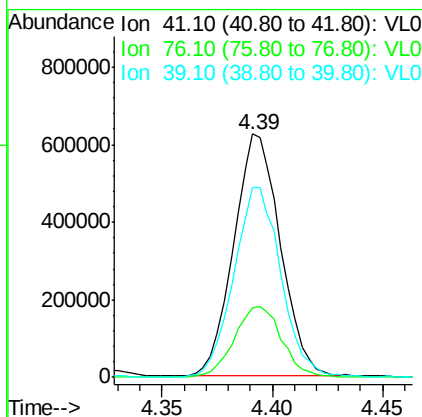
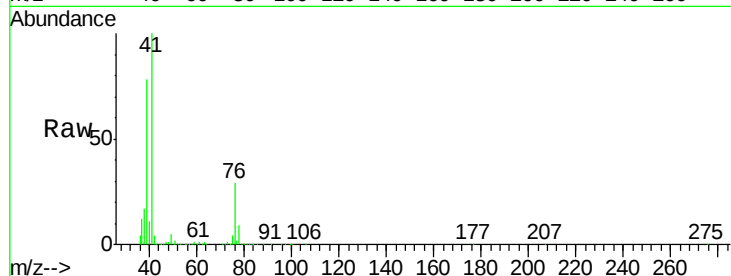
#21
Allvl Chloride
Concen: 10.703 ppbv
RT: 4.39 min Scan# 499
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.1	22.6	34.0
39	79.9	61.6	92.4

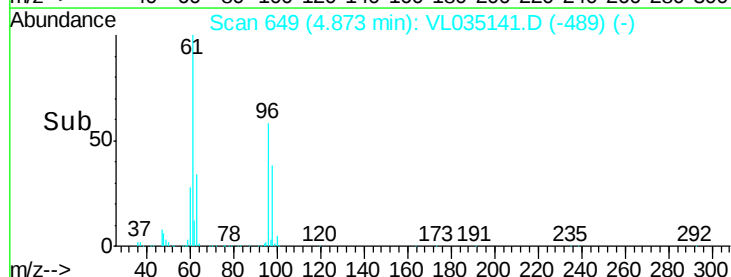
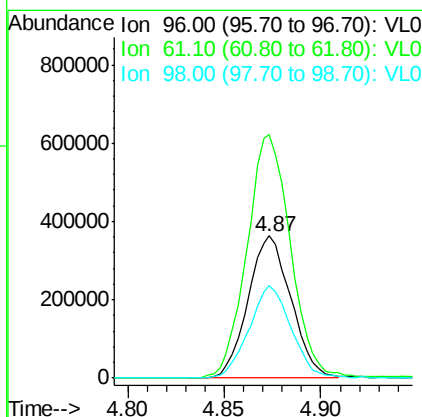
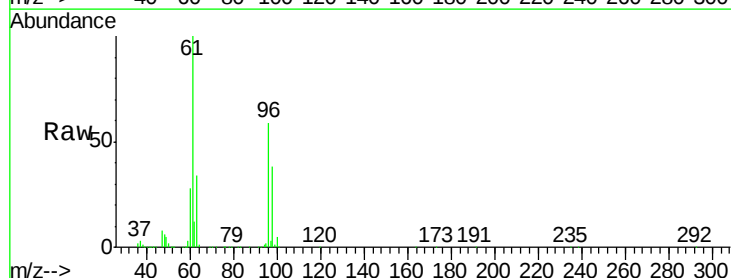
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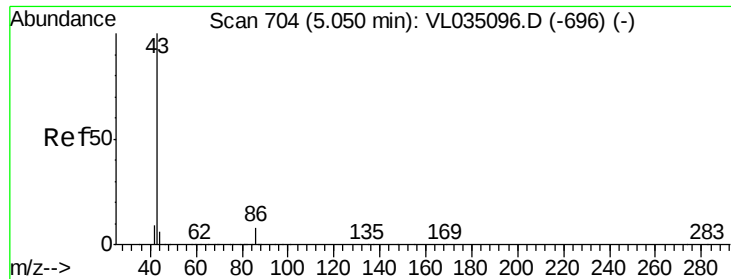
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 11.254 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.8	134.5	201.7
98	64.6	52.6	79.0





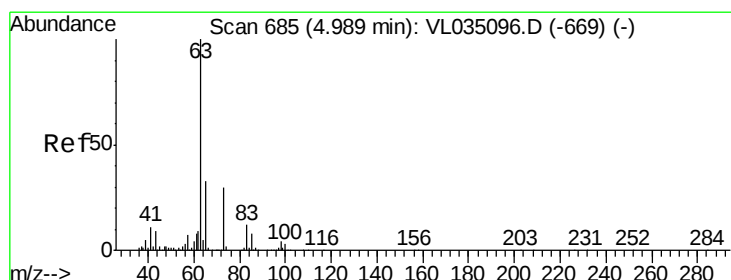
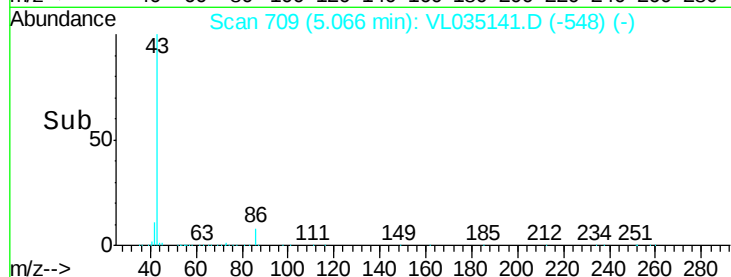
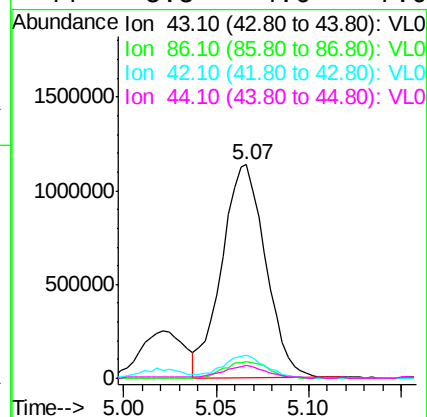
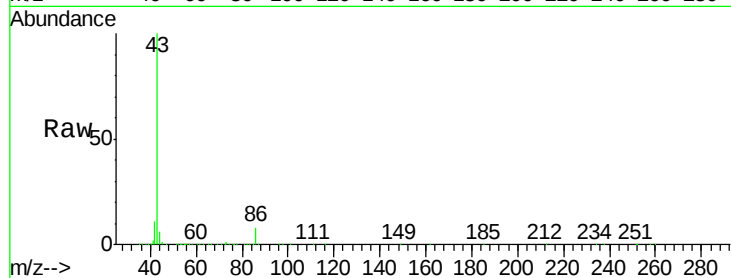
#23
 Vinyl Acetate
 Concen: 10.676 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	43	Resp:	1860880
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	10.6	8.1	12.1
44	5.5	4.6	7.0

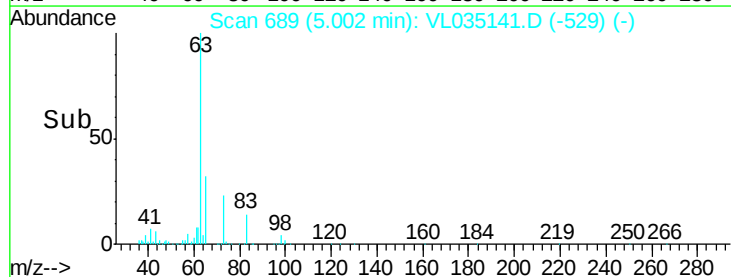
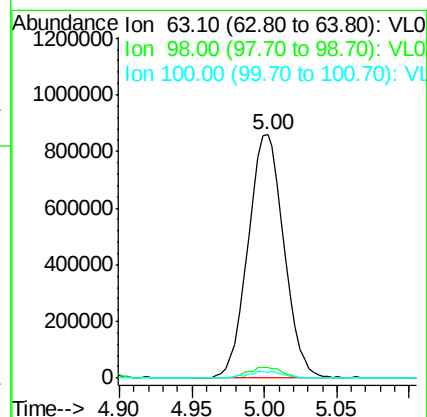
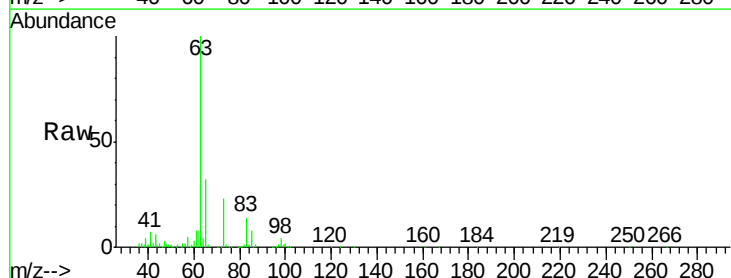
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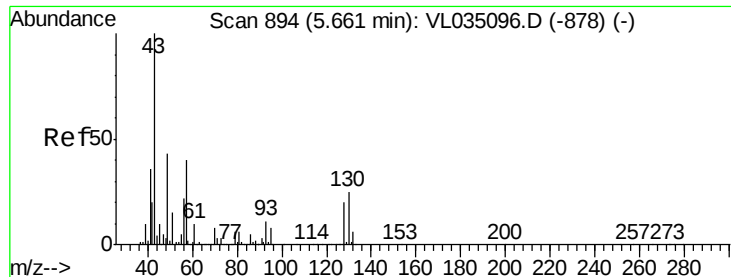
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 10.062 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion:	63	Resp:	1478540
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.9
100	2.4	1.4	4.0





#25

Ethyl Acetate

Concen: 9.683 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2509381

Ion Ratio Lower Upper

43 100

45 10.4 8.4 12.6

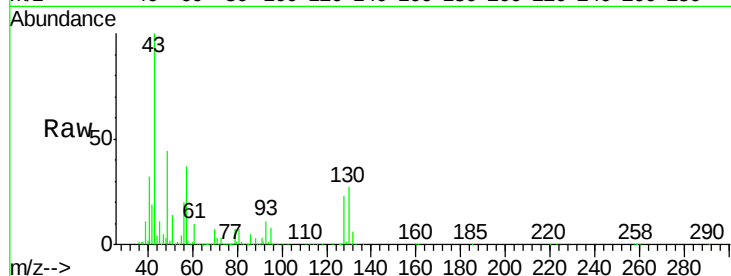
61 9.8 8.0 12.0

70 7.7 6.3 9.5

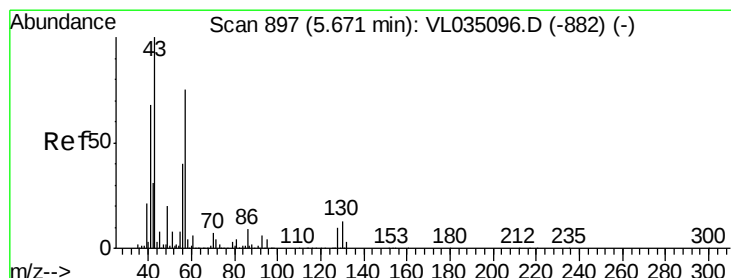
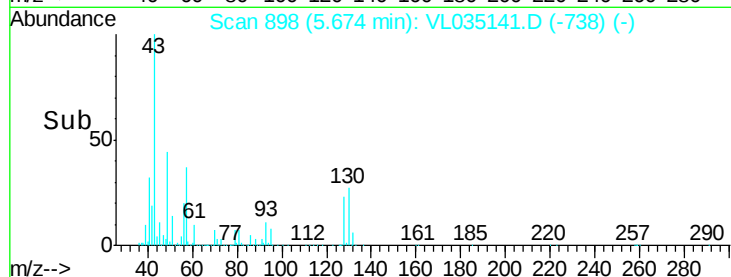
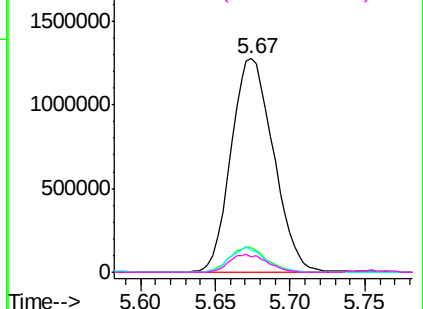
Manual Integrations
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Abundance Ion 43.10 (42.80 to 43.80): VL0
2000000
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.724 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Tgt Ion: 57 Resp: 1136095

Ion Ratio Lower Upper

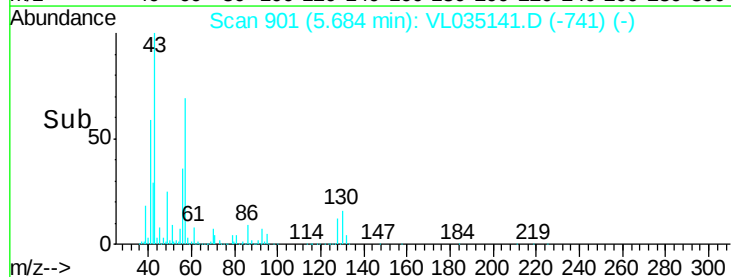
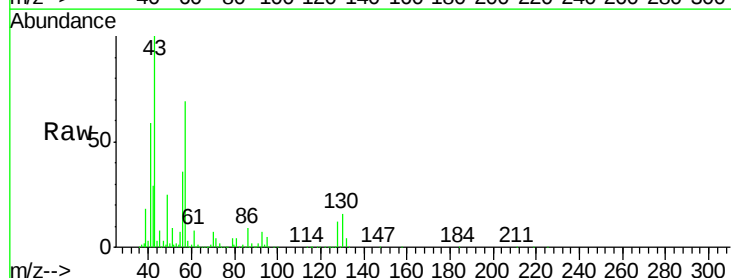
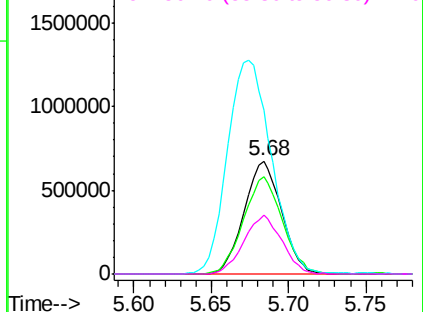
57 100

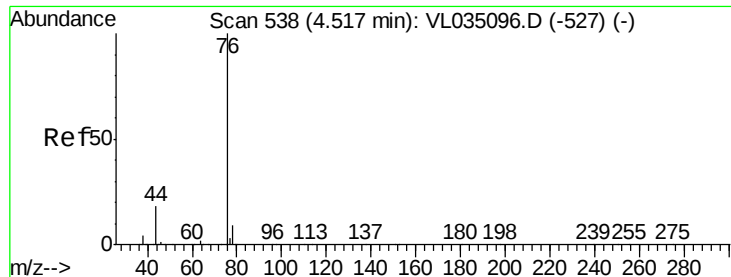
41 90.5 72.9 109.3

43 222.4 181.3 271.9

56 52.9 43.1 64.7

Abundance Ion 57.10 (56.80 to 57.80): VL0
2000000
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: 12.438 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1503927

Ion Ratio Lower Upper

76 100

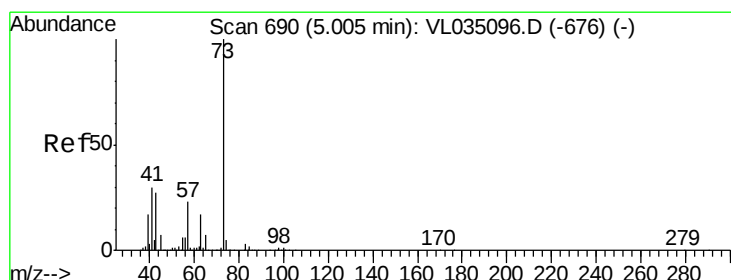
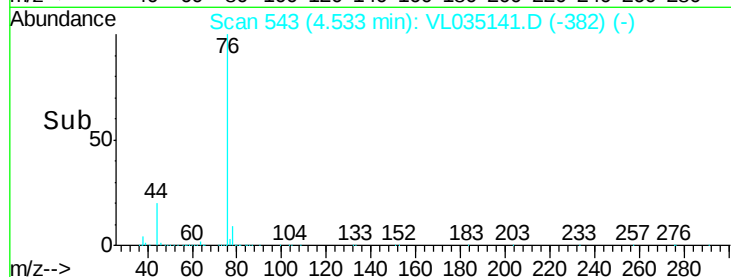
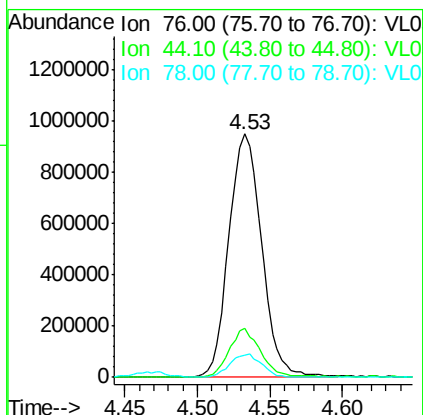
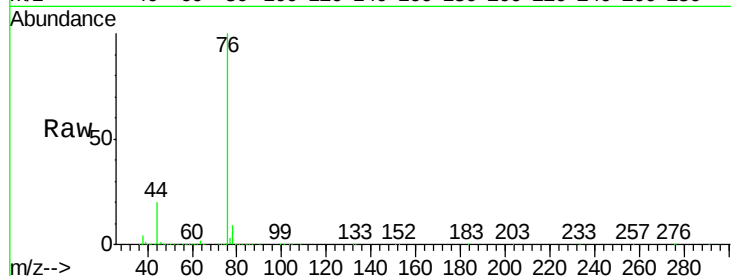
44 18.3 15.8 23.8

78 9.5 7.6 11.4

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#28

Methyl tert-Butyl Ether

Concen: 10.502 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

Lab File: VL035141.D

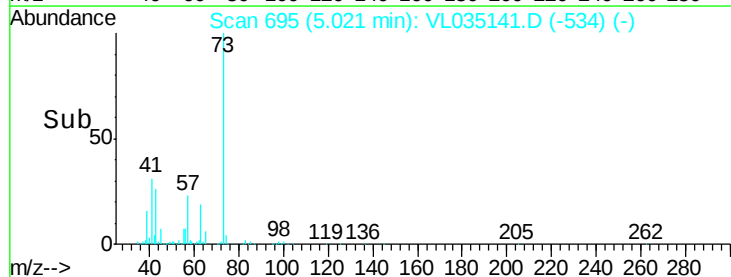
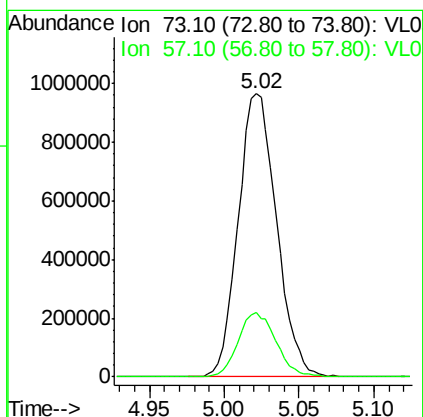
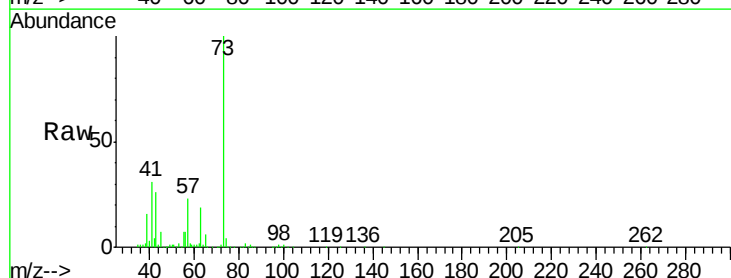
Acq: 1 Jul 2020 1:34

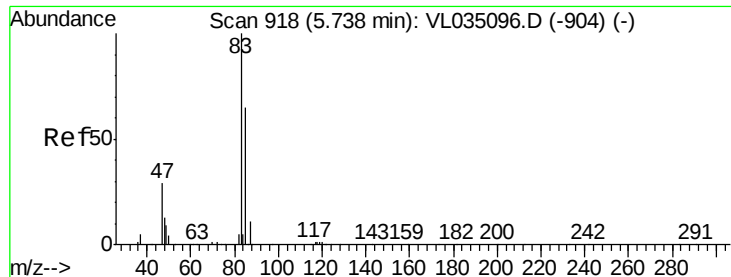
Tgt Ion: 73 Resp: 1723994

Ion Ratio Lower Upper

73 100

57 22.5 18.5 27.7





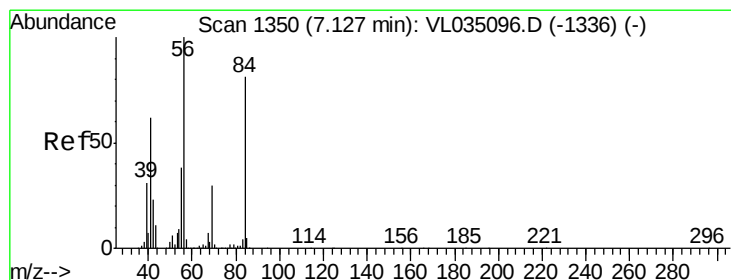
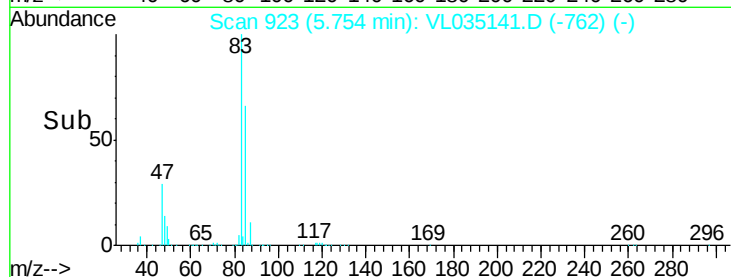
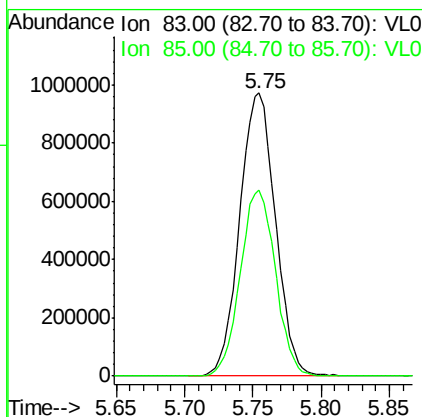
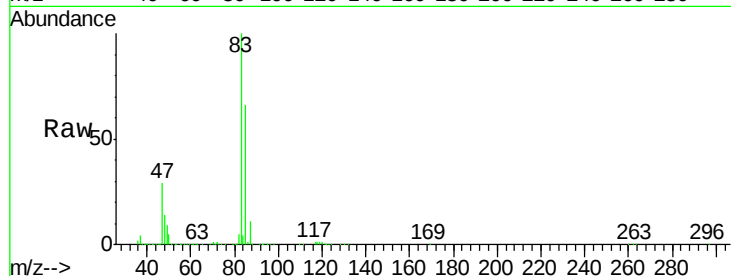
#29
Chloroform
Concen: 9.668 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1767670
Ion Ratio Lower Upper
83 100
85 65.8 52.1 78.1

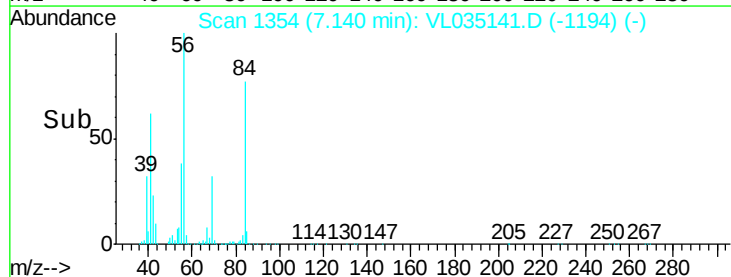
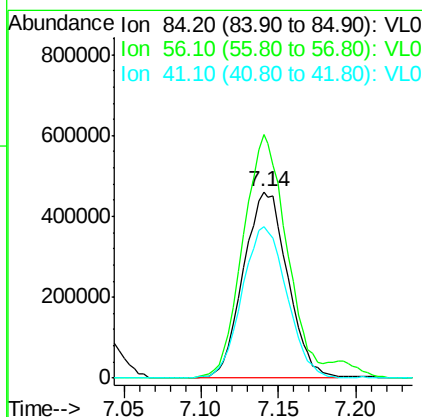
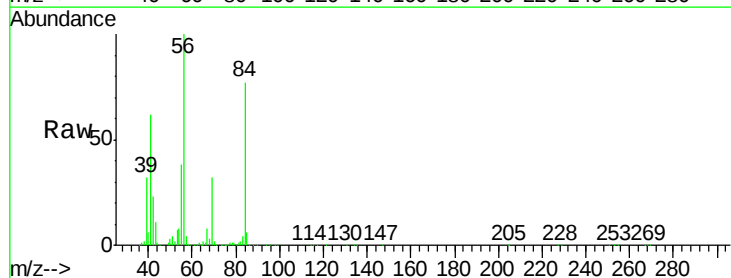
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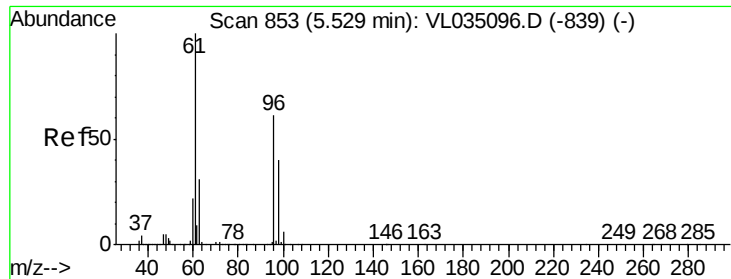
MMDadoda
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#30
Cyclohexane
Concen: 10.931 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 84 Resp: 916588
Ion Ratio Lower Upper
84 100
56 135.6 108.0 162.0
41 82.4 65.6 98.4





#31

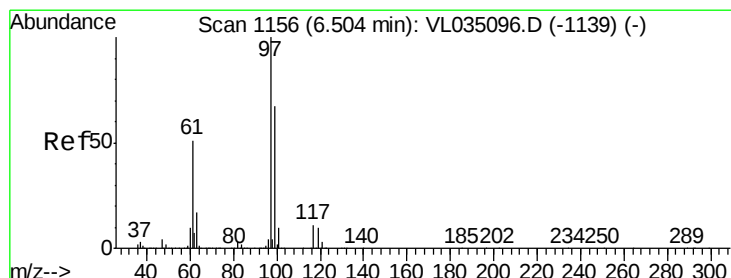
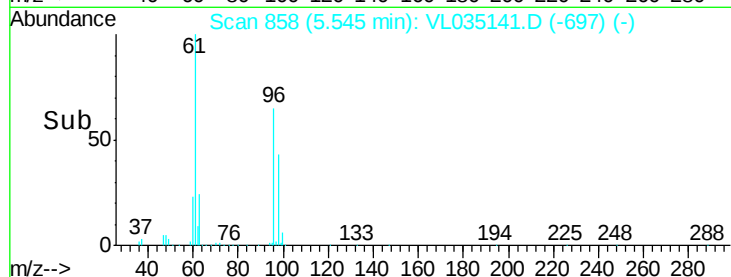
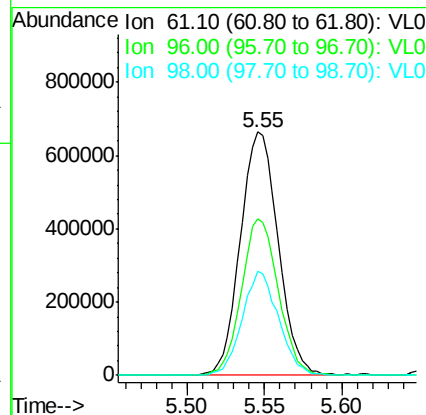
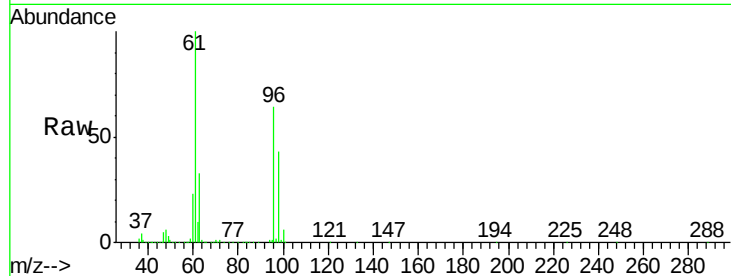
cis-1,2-Dichloroethene
Concen: 10.498 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.3	48.8	73.2
98	42.9	31.9	47.9

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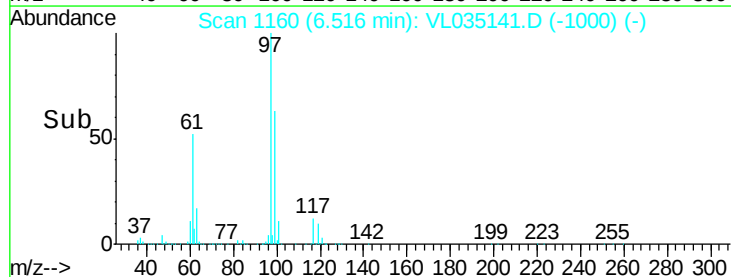
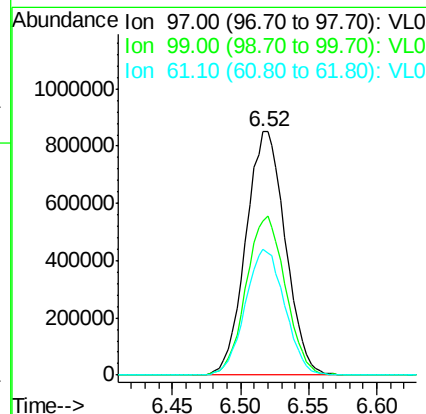
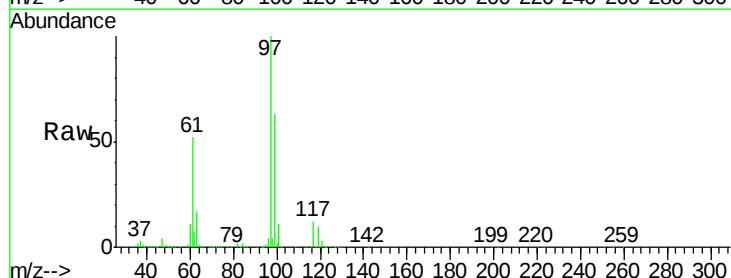
MMDadoda
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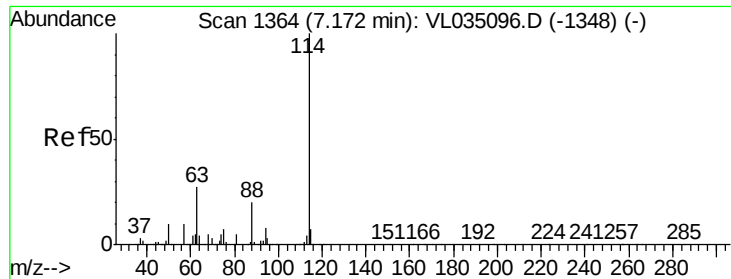


#32

1,1,1-Trichloroethane
Concen: 10.105 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	51.5	41.0	61.6





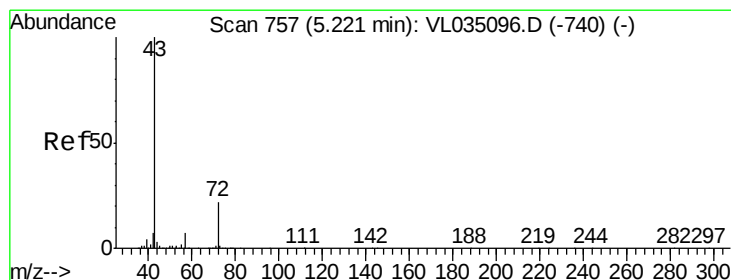
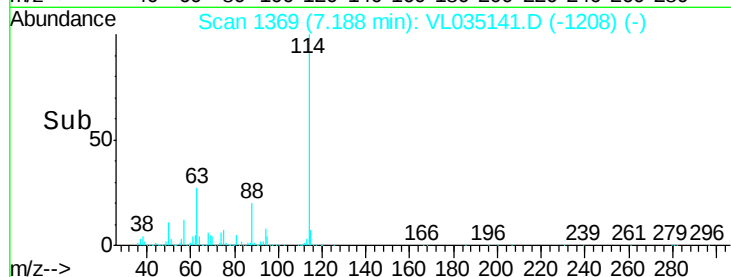
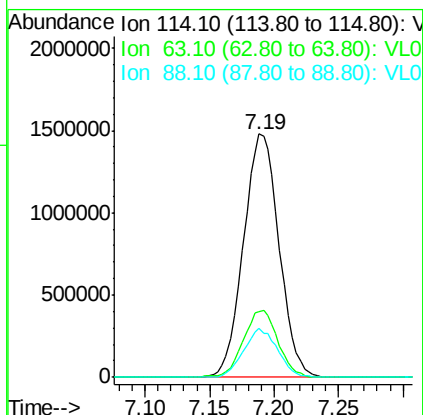
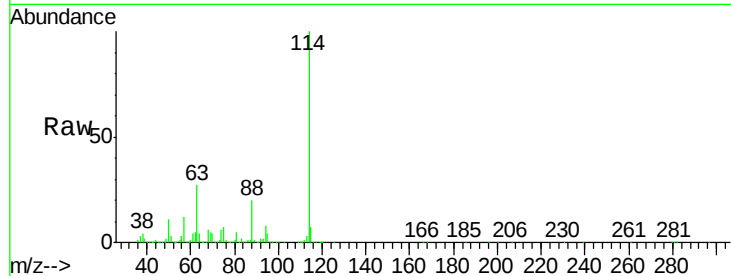
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.9	32.9
88	19.2	15.6	23.4

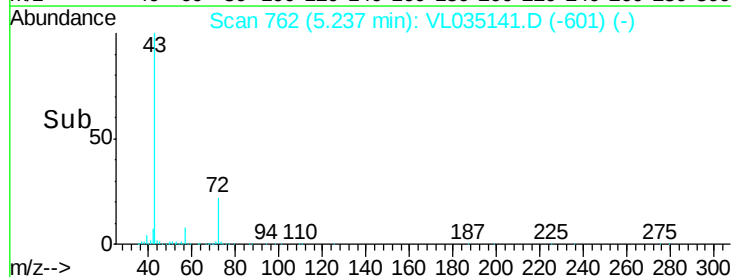
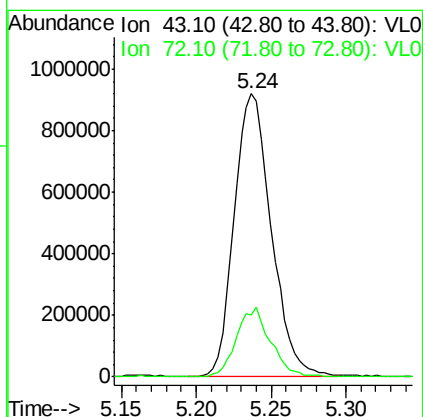
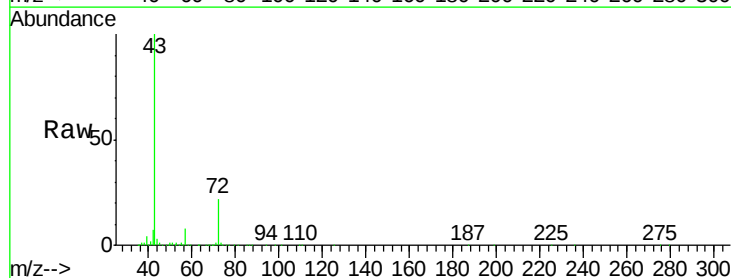
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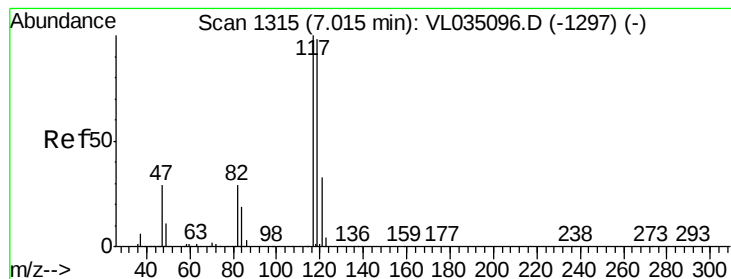
MMDadoda
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#34
 2-Butanone
 Concen: 9.699 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.3	27.5





#35

Carbon Tetrachloride

Concen: 10.381 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1768850

Ion Ratio Lower Upper

117 100

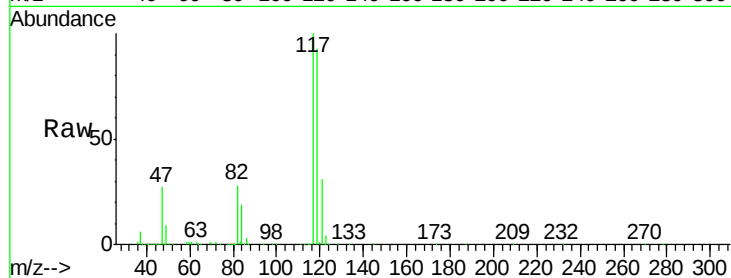
119 93.1 78.3 117.5

121 31.4 26.0 39.0

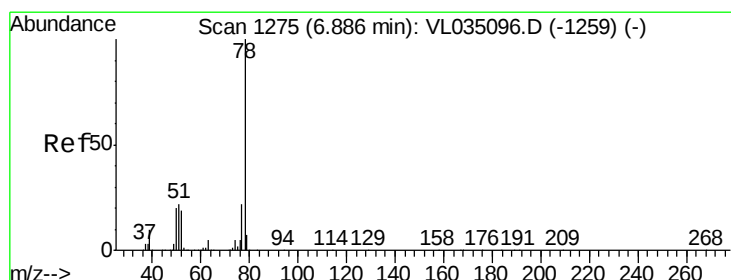
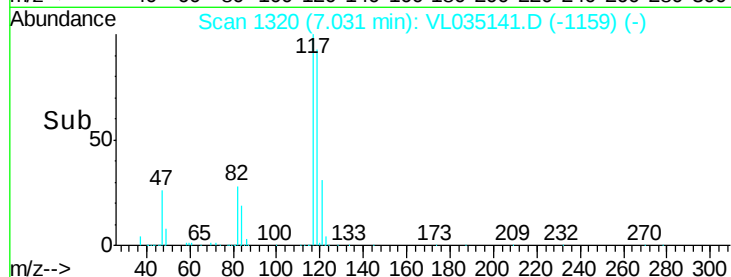
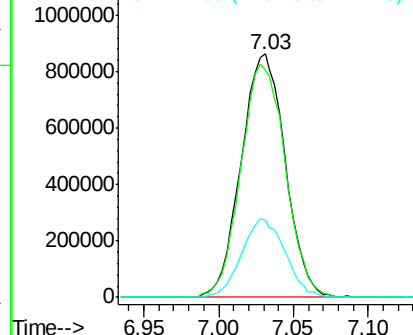
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.983 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

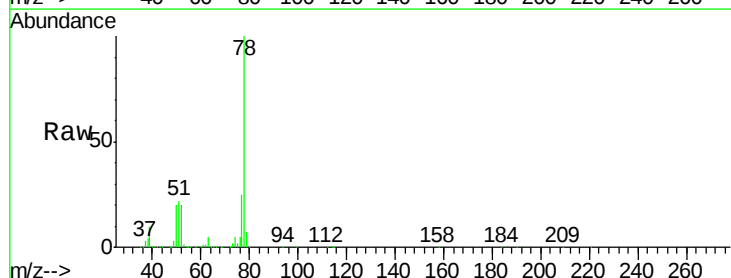
Tgt Ion: 78 Resp: 2196353

Ion Ratio Lower Upper

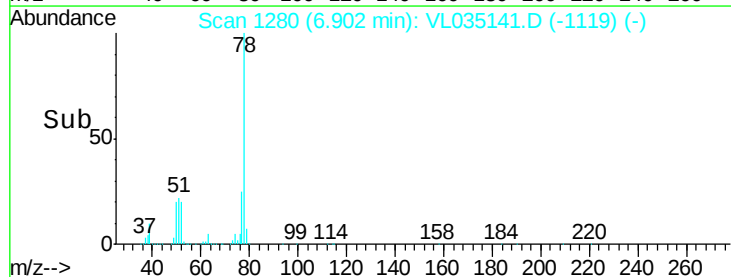
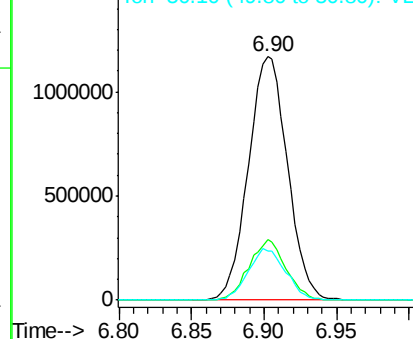
78 100

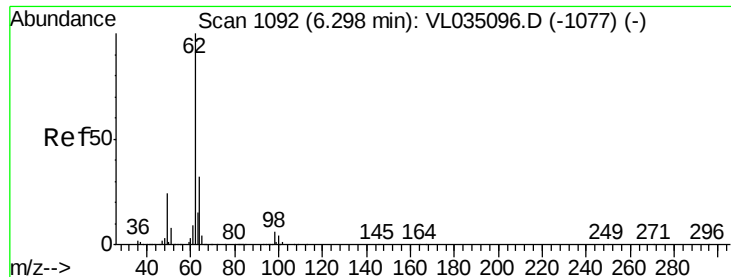
77 25.1 17.8 26.6

50 20.0 16.2 24.2



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





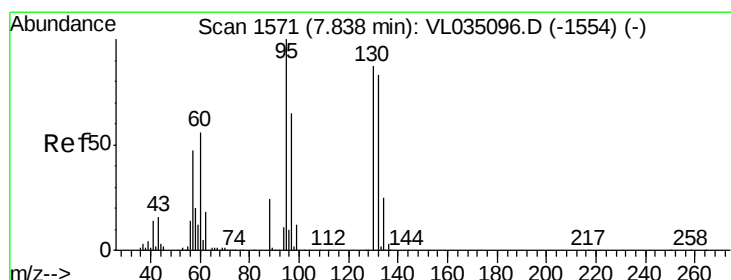
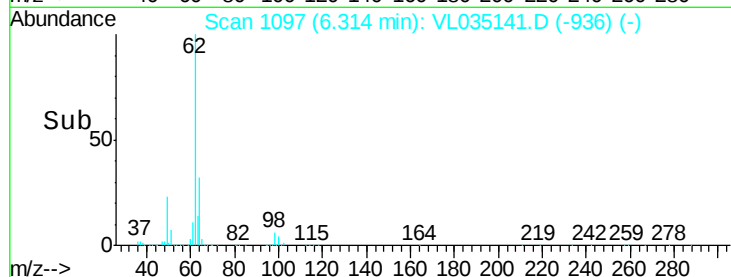
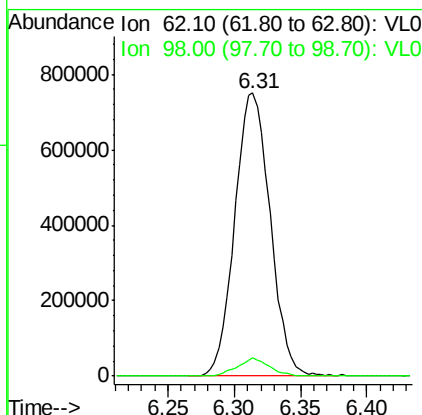
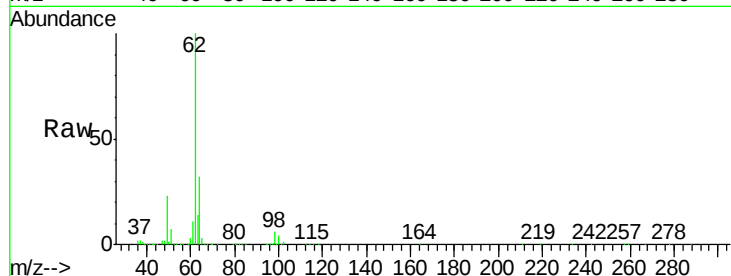
#37
 1,2-Dichloroethane
 Concen: 10.024 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1393728
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.8 7.2

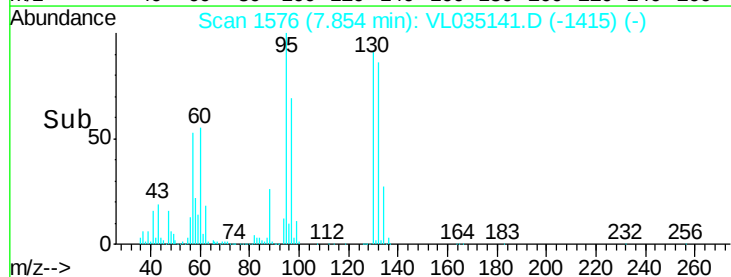
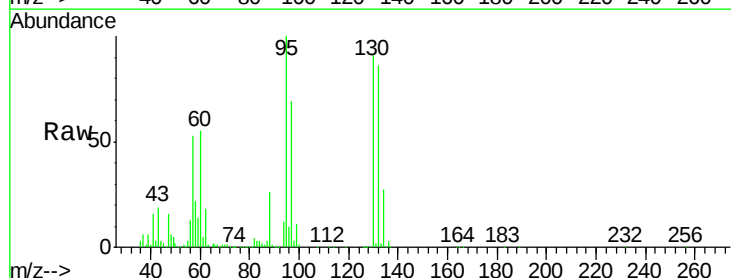
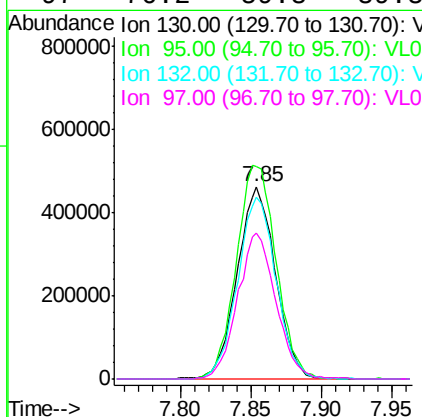
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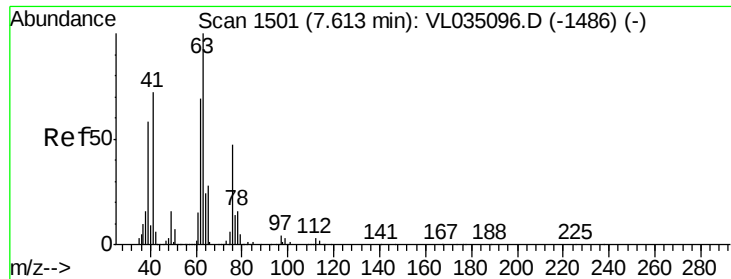
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#38
 Trichloroethene
 Concen: 10.242 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion: 130 Resp: 875187
 Ion Ratio Lower Upper
 130 100
 95 110.5 91.4 137.2
 132 94.5 75.8 113.6
 97 76.2 59.8 89.8





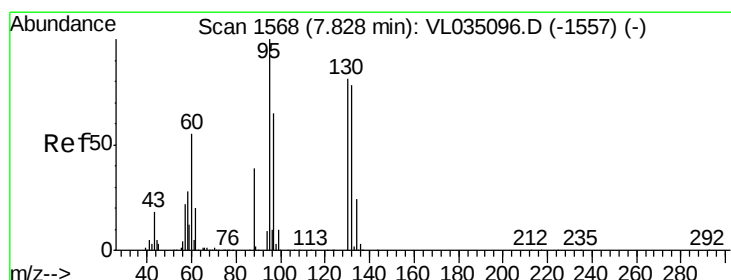
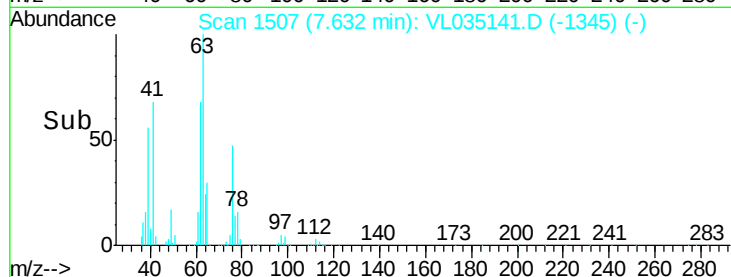
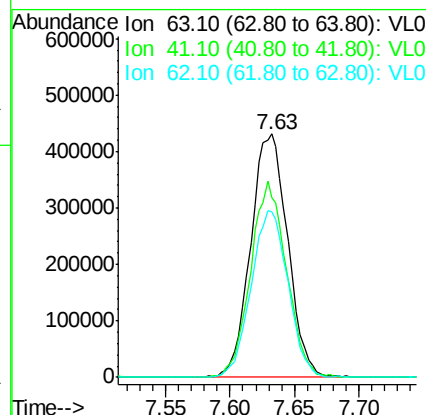
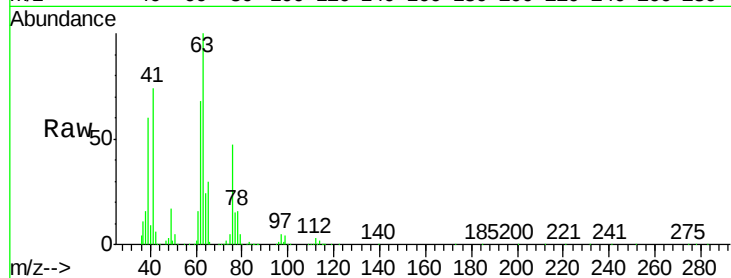
#39
 1,2-Dichloropropane
 Concen: 10.029 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	73.9	58.0	87.0
62	68.0	55.4	83.0

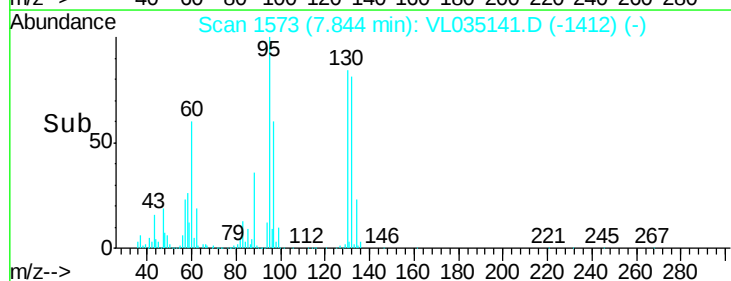
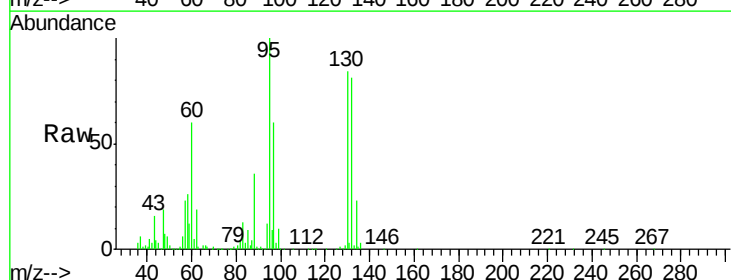
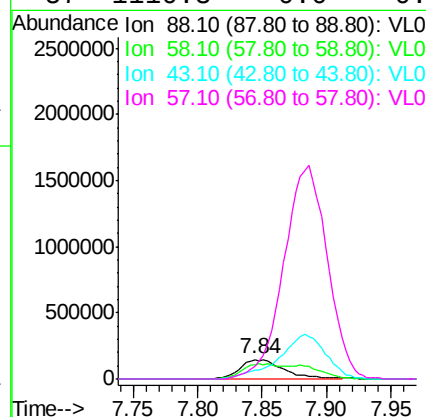
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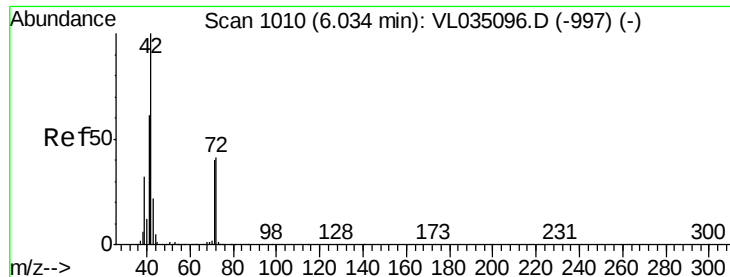
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#40
 1,4-Dioxane
 Concen: 10.071 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	126.2	110.2	165.4
43	248.0	0.0	0.0#
57	1110.3	0.0	0.0#





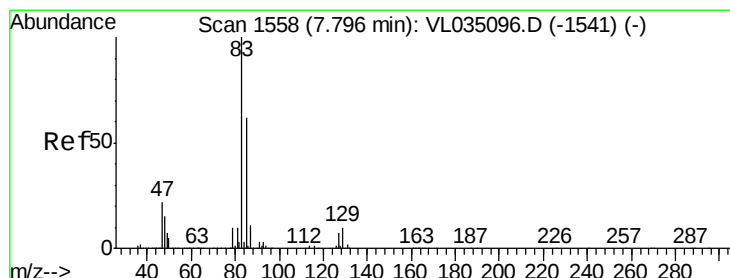
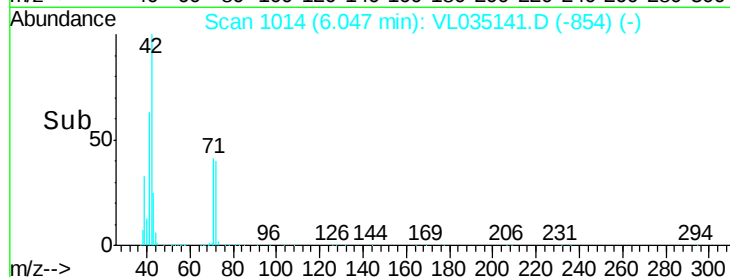
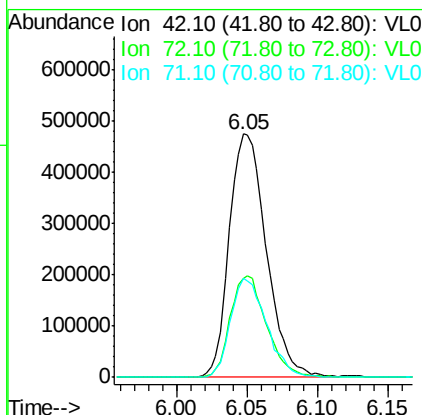
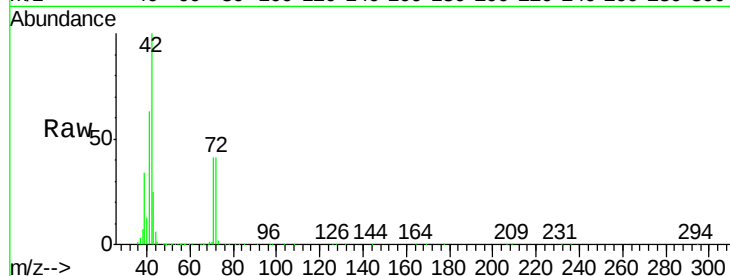
#41
Tetrahydrofuran
Concen: 10.506 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.4	50.2
71	39.7	31.8	47.6

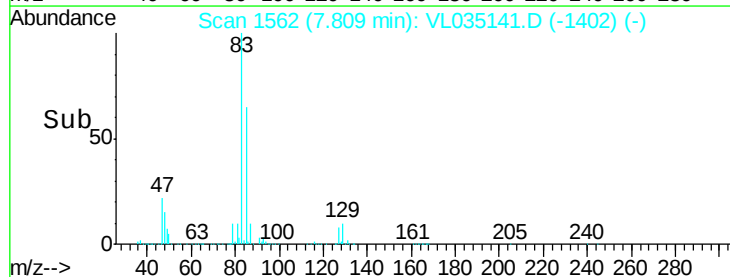
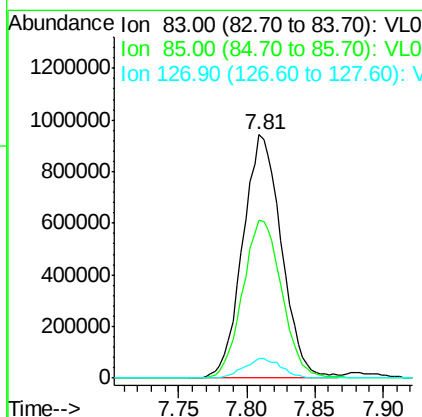
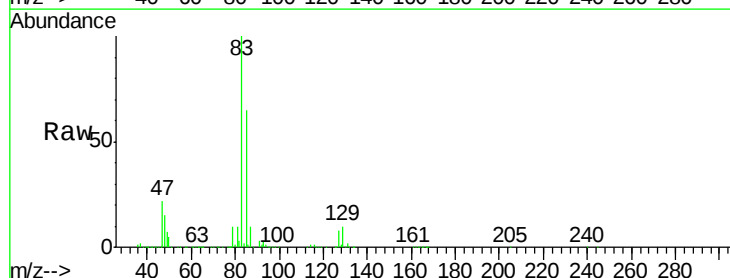
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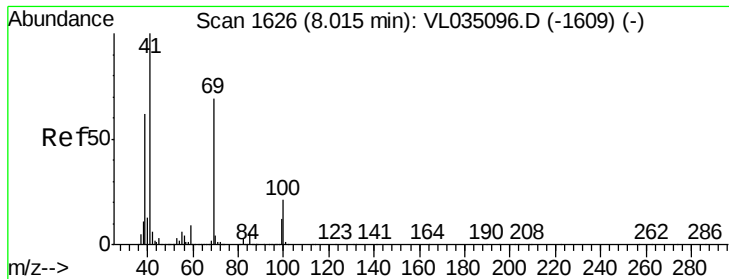
MMDadoda
7/2/2020 5:01:02 PM



#42
Bromodichloromethane
Concen: 10.302 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.4	74.0
127	7.9	5.9	8.9





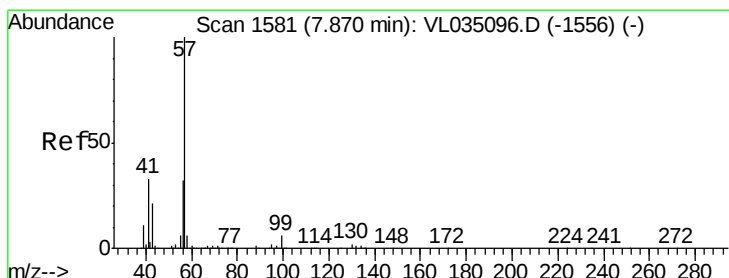
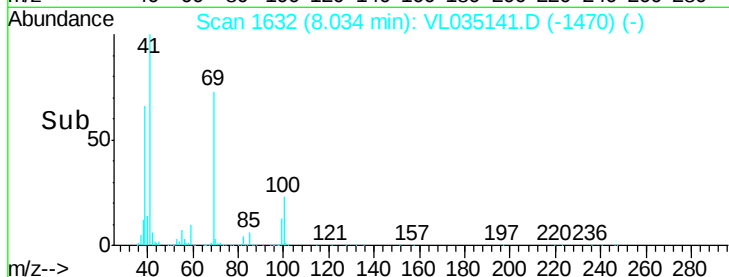
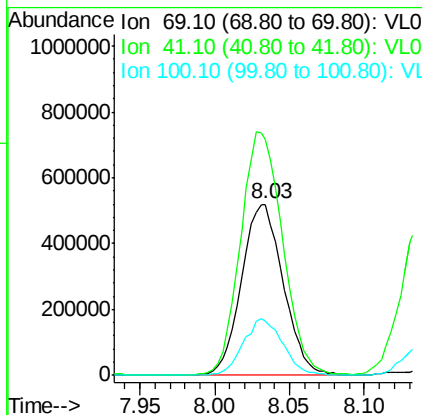
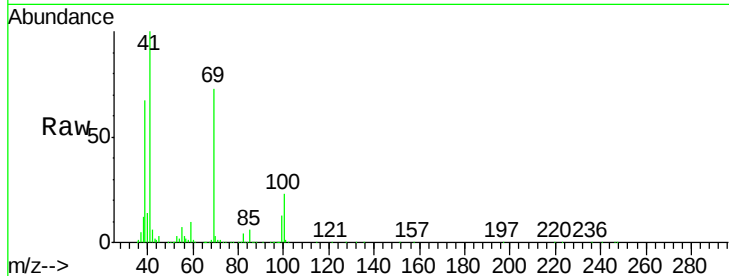
#43
Methvl Methacrilate
Concen: 10.854 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1010770
Ion Ratio Lower Upper
69 100
41 143.4 116.4 174.6
100 31.5 25.3 37.9

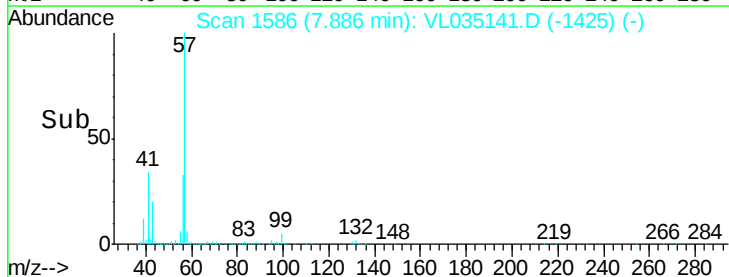
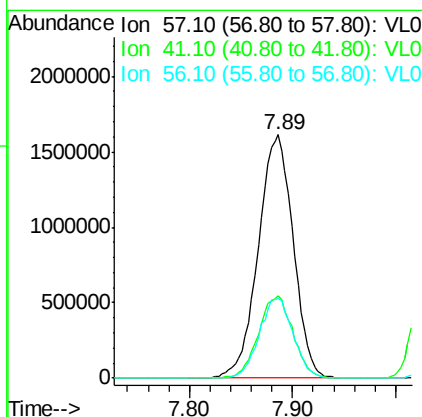
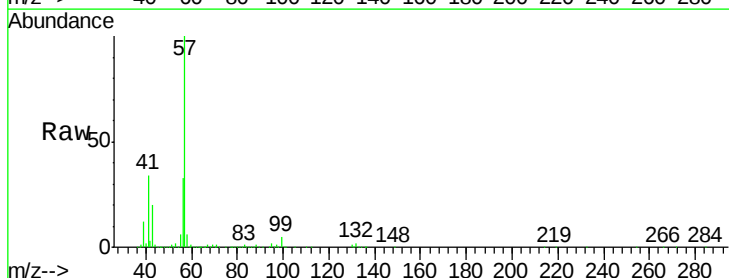
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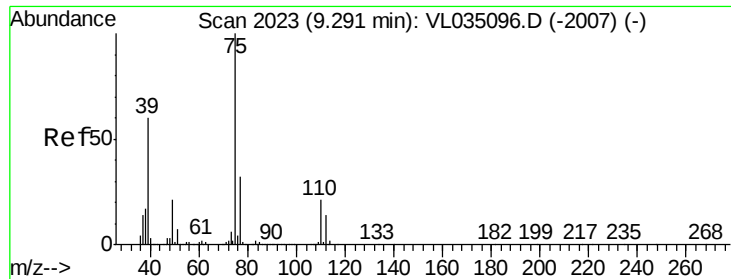
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#44
2,2,4-Trimethylpentane
Concen: 9.872 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 57 Resp: 3790574
Ion Ratio Lower Upper
57 100
41 33.4 26.2 39.2
56 31.8 25.4 38.2





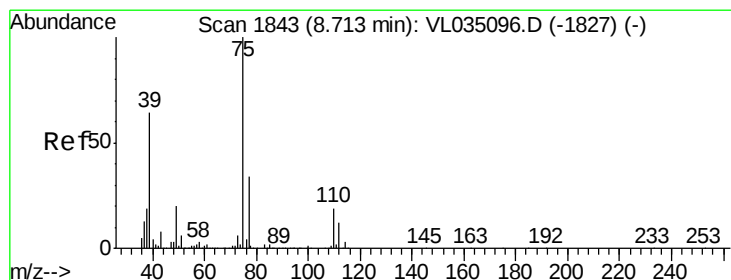
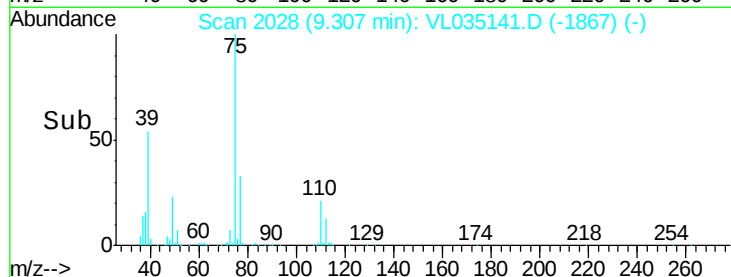
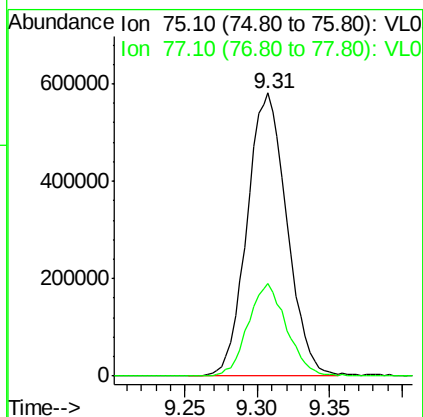
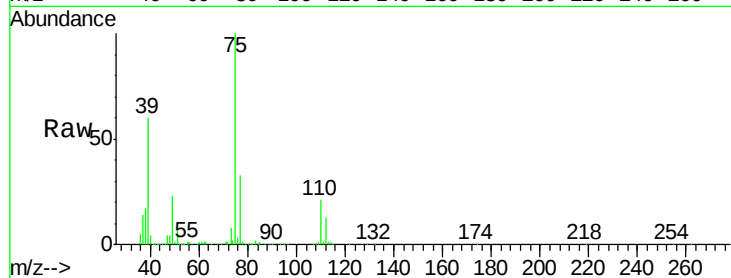
#45
t-1,3-Dichloropropene
Concen: 12.273 ppbv
RT: 9.31 min Scan# 2028
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1112290
Ion Ratio Lower Upper
75 100
77 32.7 25.5 38.3

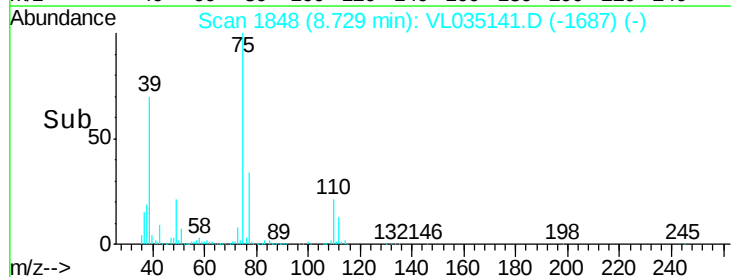
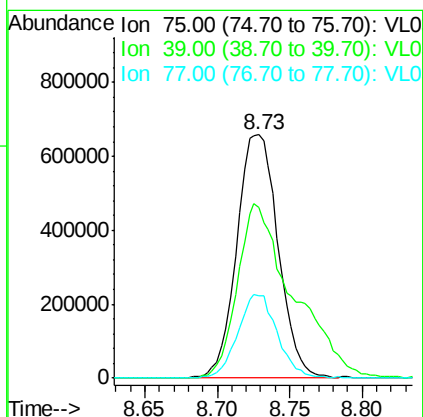
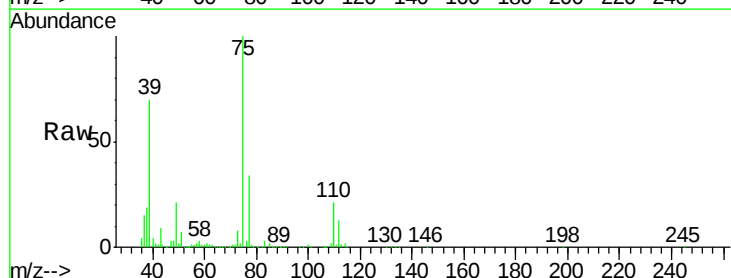
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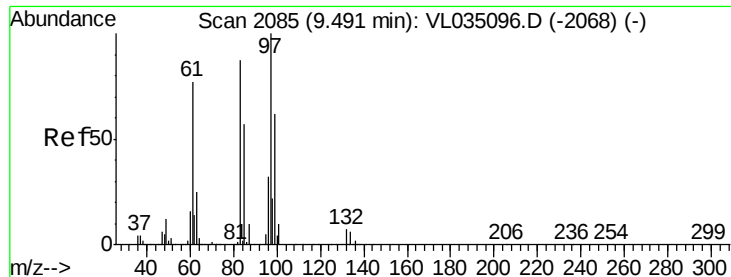
MMDadoda
7/2/2020 5:01:02 PM



#46
cis-1,3-Dichloropropene
Concen: 11.572 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 75 Resp: 1302868
Ion Ratio Lower Upper
75 100
39 69.9 51.1 76.7
77 33.7 26.9 40.3





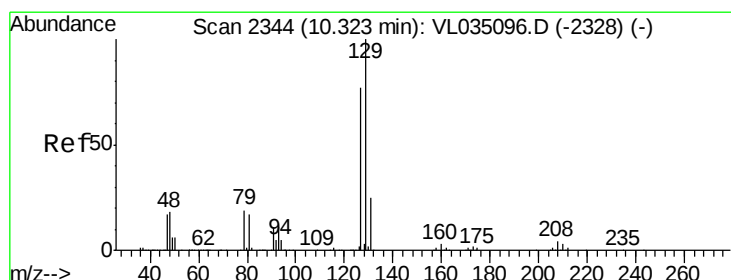
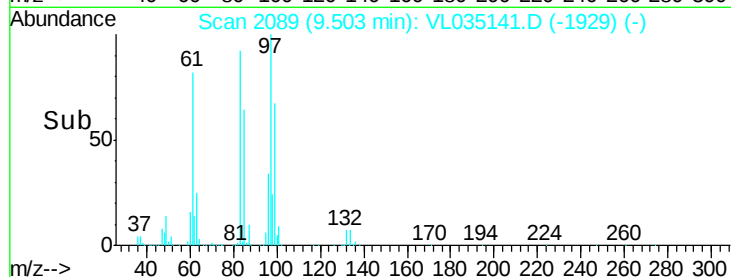
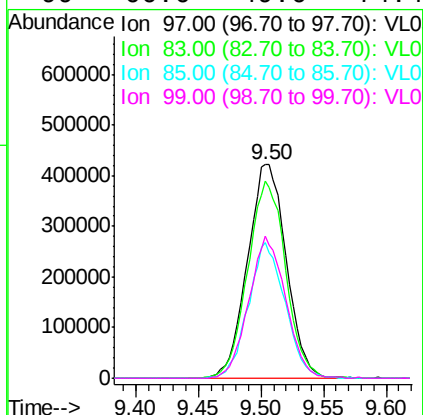
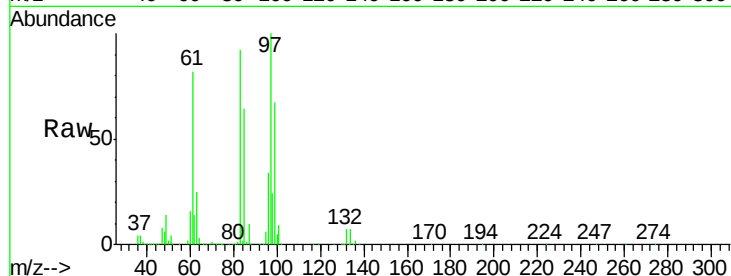
#47
 1,1,2-Trichloroethane
 Concen: 9.679 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		908946		
83	92.2	69.5	104.3		
85	63.7	46.0	69.0		
99	66.6	49.6	74.4		

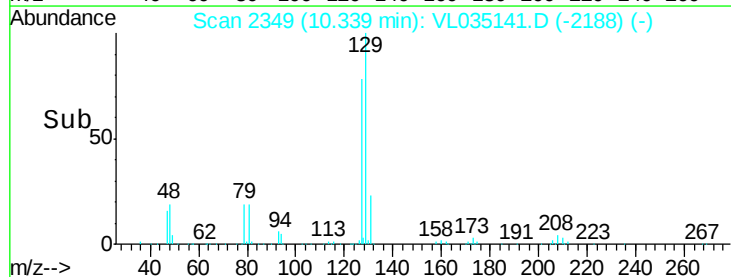
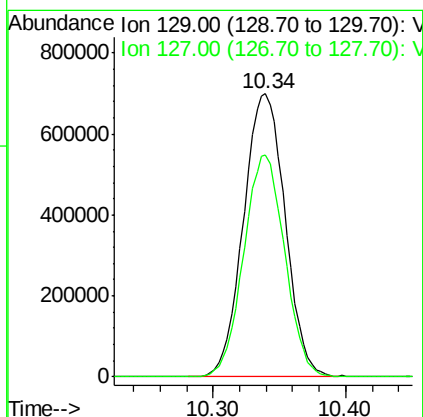
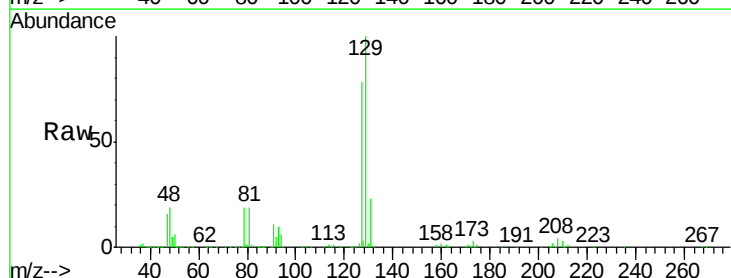
Manual Integrations
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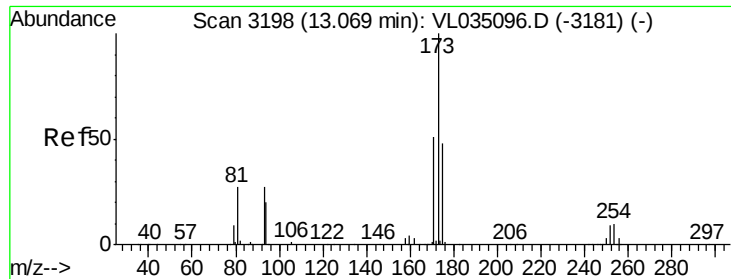
MMDadoda
 7/2/2020 5:01:02 PM



#48
 Dibromochloromethane
 Concen: 10.918 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1528558		
127	77.4	39.3	117.8		





#49

Bromoform

Concen: 10.715 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1274382

Ion Ratio Lower Upper

173 100

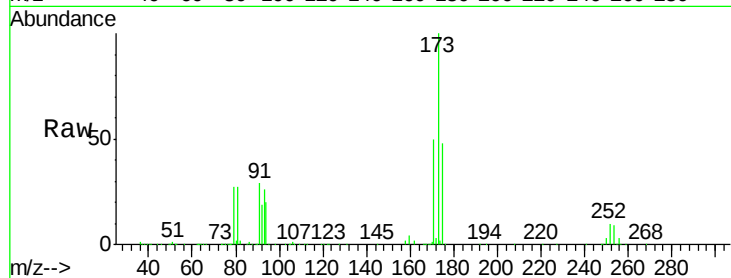
175 49.1 39.1 58.7

171 52.0 41.7 62.5

Manual Integrations
APPROVED

MMDadoda

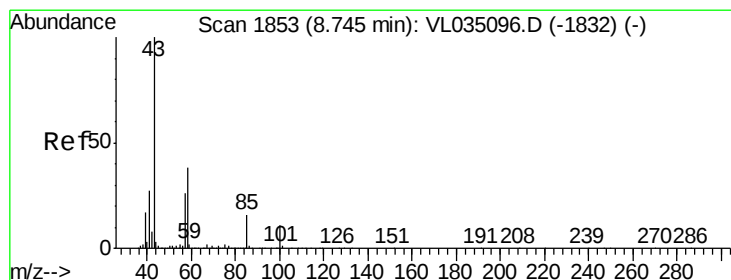
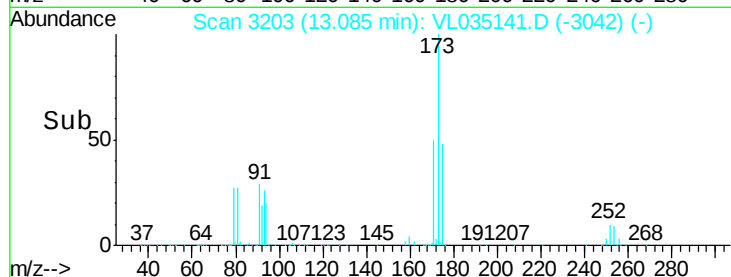
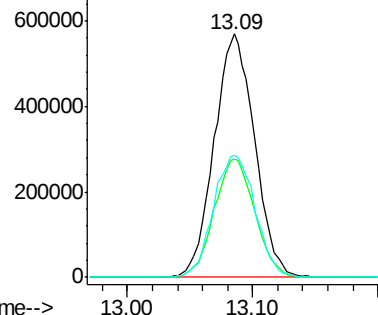
7/2/2020 5:01:02 PM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.204 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.02 min

Lab File: VL035141.D

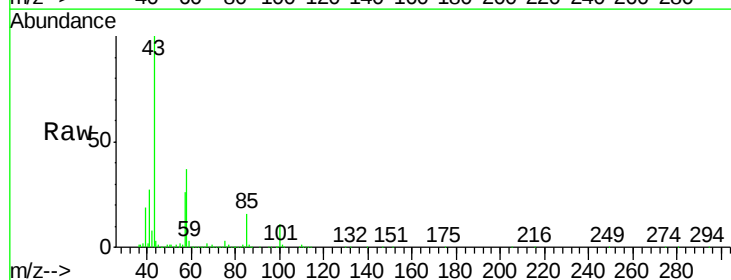
Acq: 1 Jul 2020 1:34

Tgt Ion: 43 Resp: 2365500

Ion Ratio Lower Upper

43 100

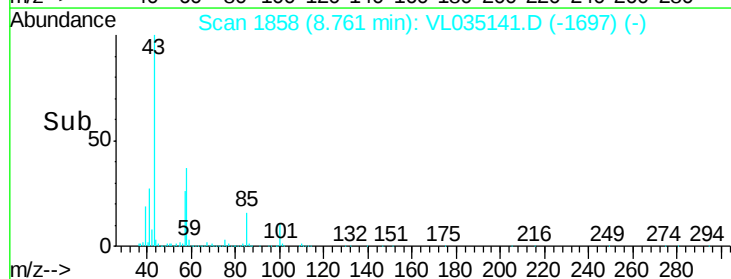
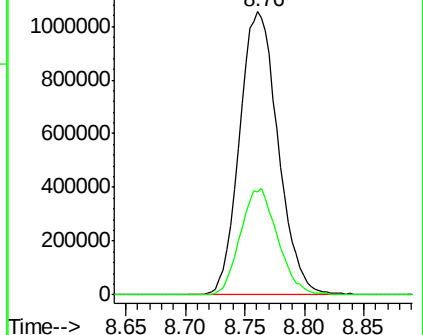
58 36.4 29.4 44.0

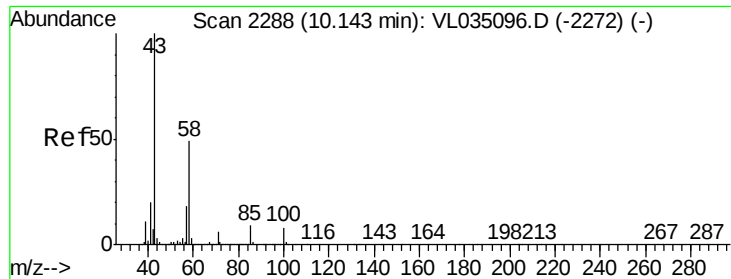


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





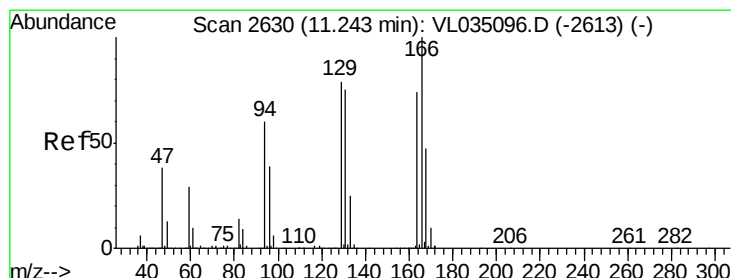
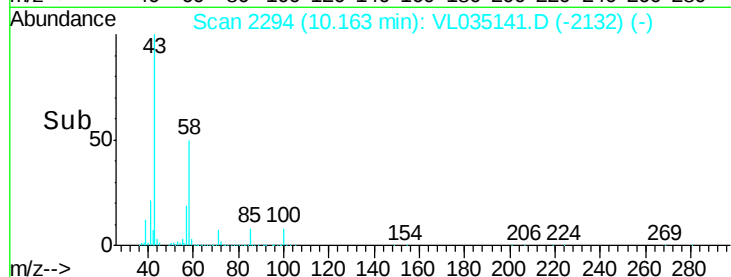
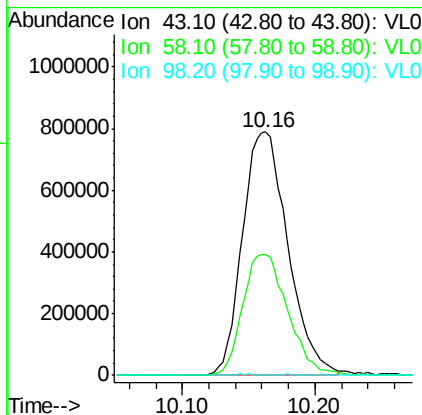
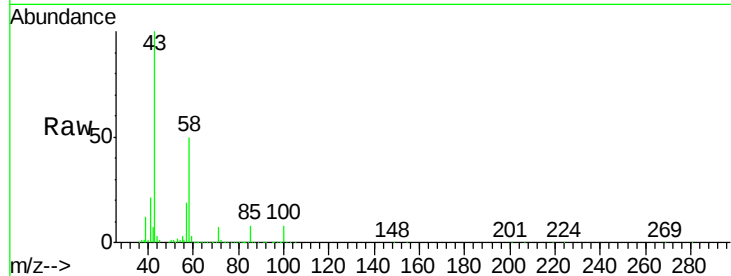
#51
2-Hexanone
Concen: 10.376 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1883716
Ion Ratio Lower Upper
43 100
58 49.4 39.2 58.8
98 0.5 0.3 0.5#

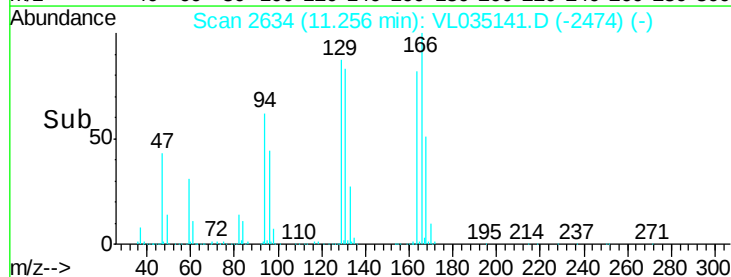
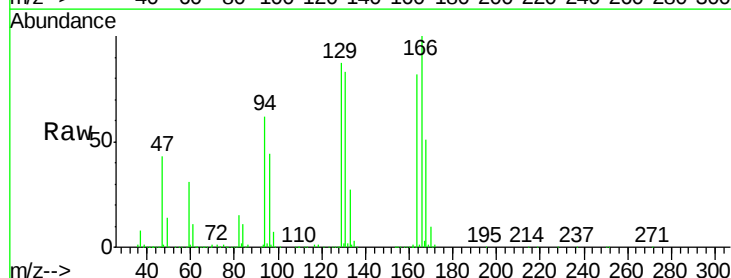
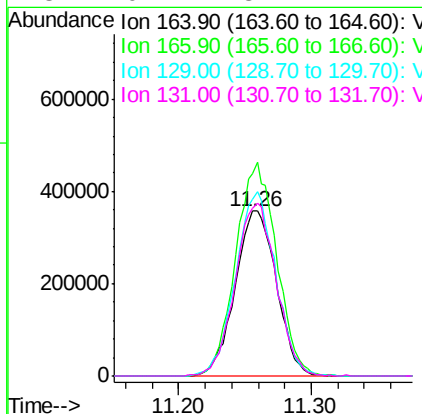
Manual Integrations
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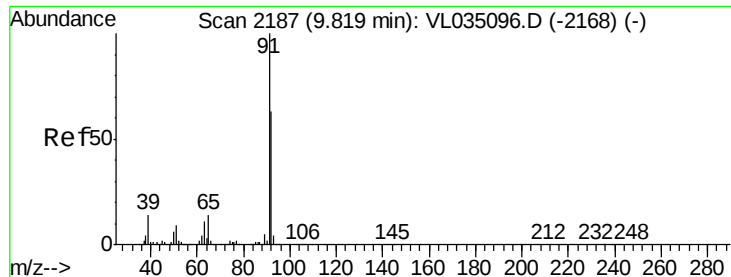
MMDadoda
7/2/2020 5:01:02 PM



#52
Tetrachloroethene
Concen: 9.979 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 164 Resp: 773558
Ion Ratio Lower Upper
164 100
166 122.4 107.5 161.3
129 106.6 84.9 127.3
131 101.1 81.1 121.7





#53

Toluene

Concen: 10.812 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2537201

Ion Ratio Lower Upper

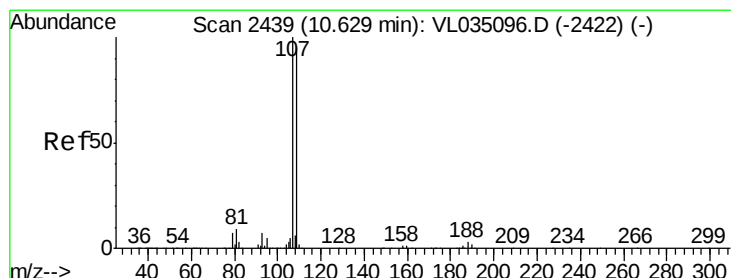
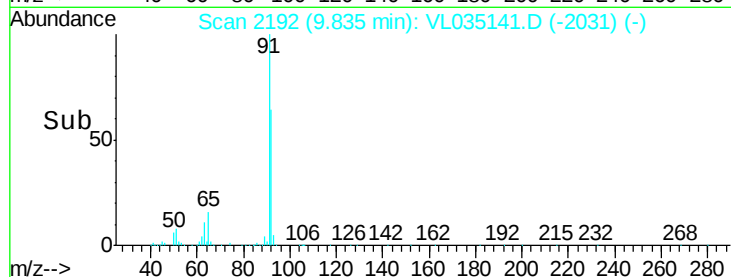
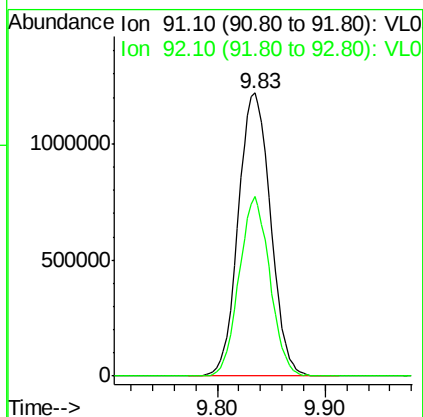
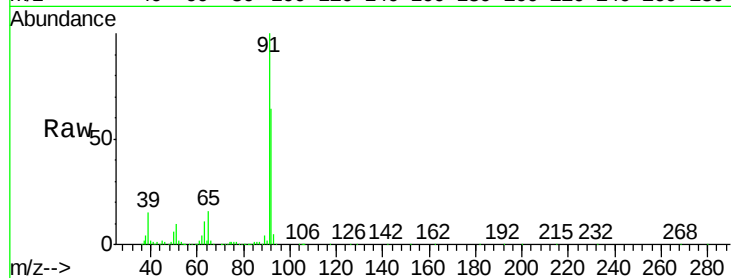
91 100

92 60.3 49.0 73.6

Manual Integrations
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7/2/2020 5:01:02 PM



#54

1,2-Dibromoethane

Concen: 9.784 ppbv

RT: 10.64 min Scan# 2444

Delta R.T. 0.02 min

Lab File: VL035141.D

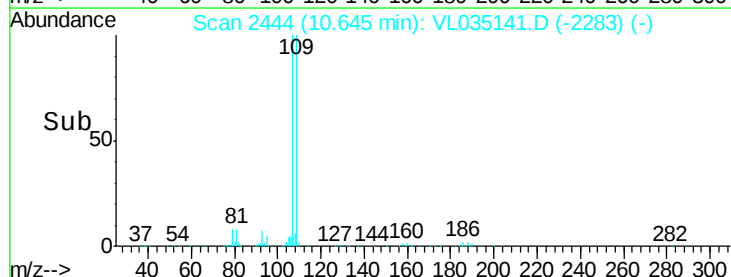
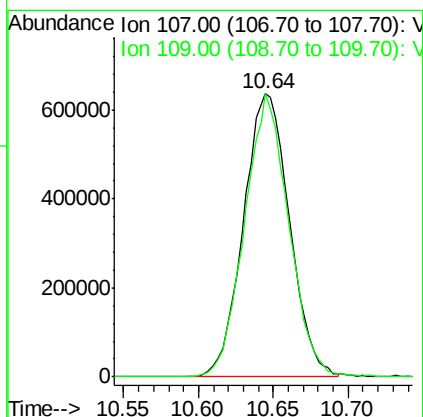
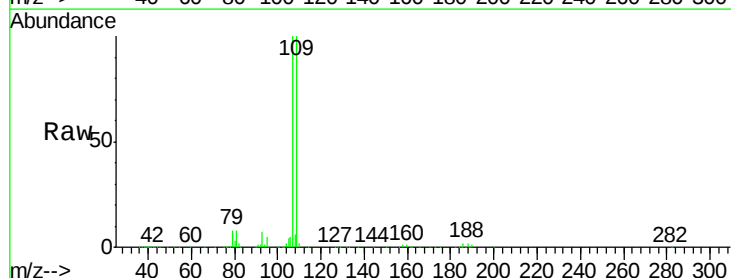
Acq: 1 Jul 2020 1:34

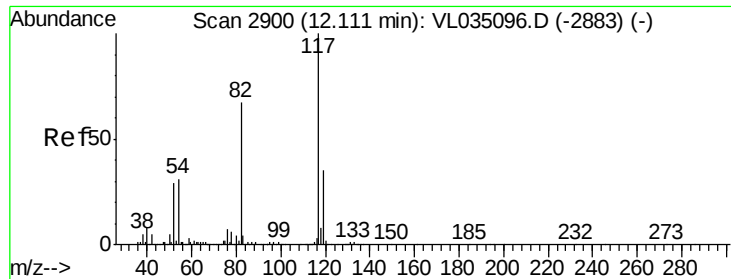
Tgt Ion: 107 Resp: 1360458

Ion Ratio Lower Upper

107 100

109 100.0 75.9 113.9





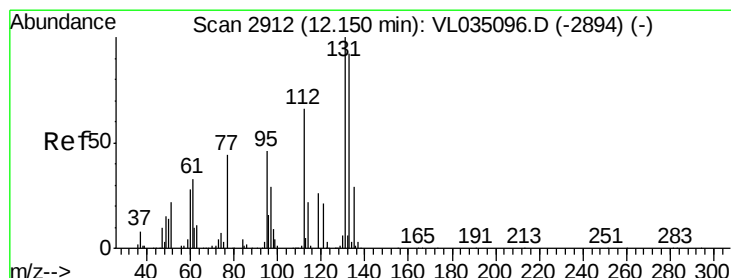
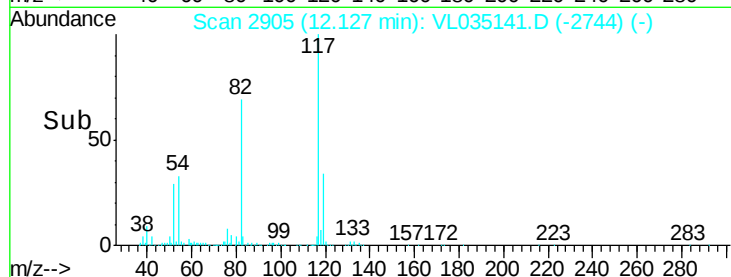
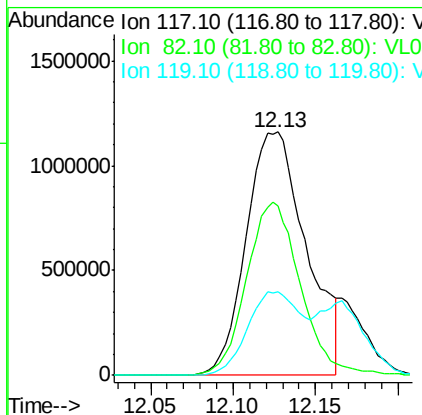
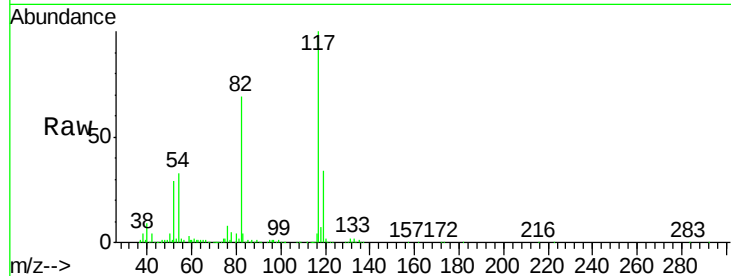
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.13 min Scan# 2905
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2958741
Ion Ratio Lower Upper
117 100
82 63.6 50.4 75.6
119 32.5 25.4 38.0

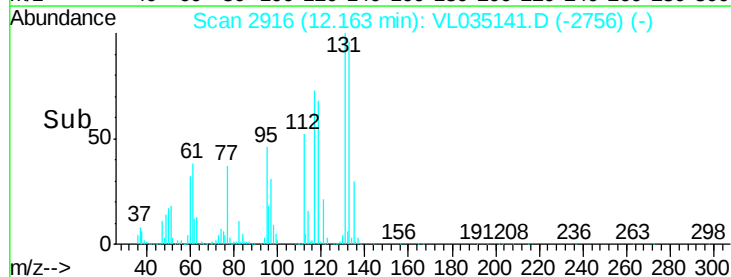
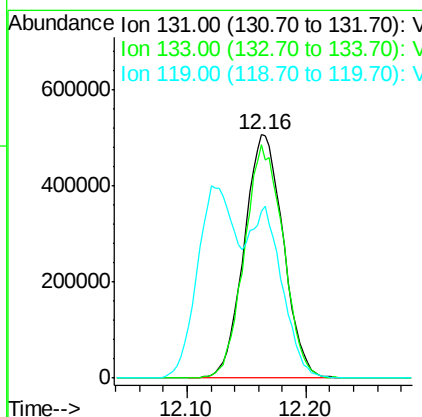
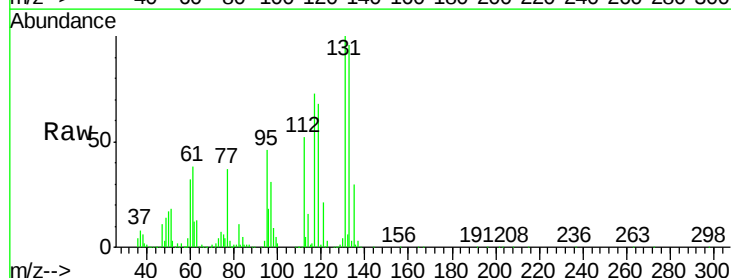
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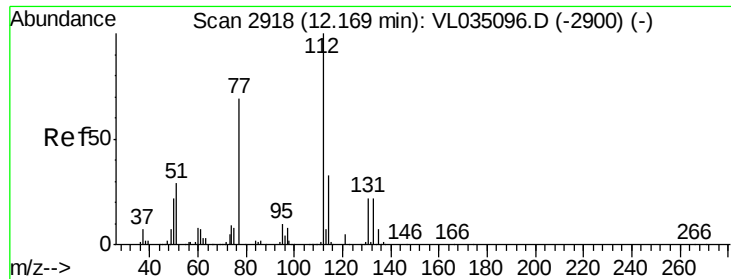
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.510 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion:131 Resp: 1151555
Ion Ratio Lower Upper
131 100
133 95.2 76.2 114.4
119 60.5 114.6 172.0#





#57

Chlorobenzene

Concen: 8.801 ppbv

RT: 12.19 min Scan# 2923

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 1916092

Ion Ratio Lower Upper

112 100

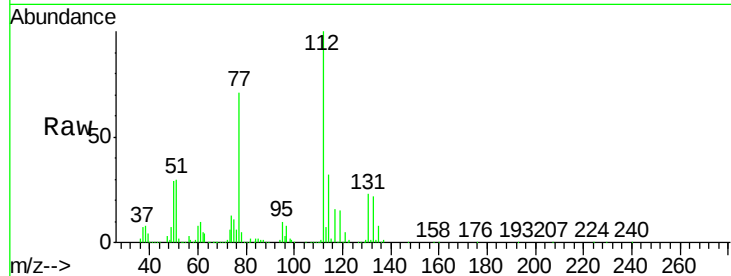
77 71.0 56.7 85.1

114 31.5 29.3 35.9

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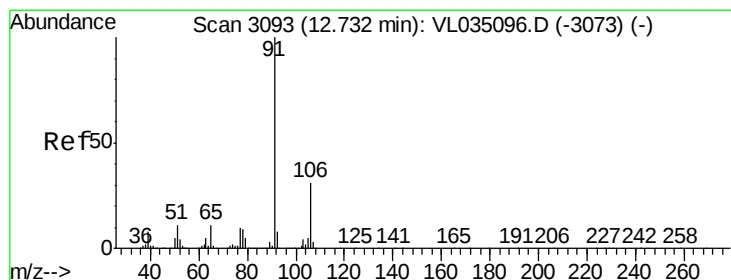
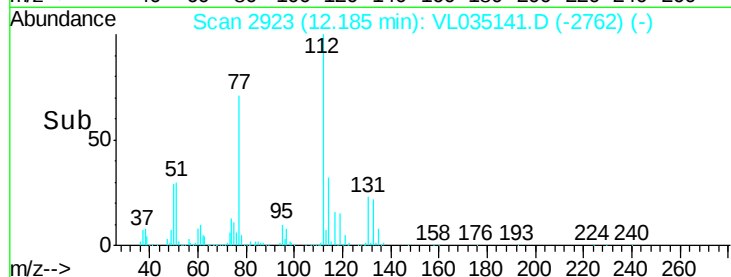
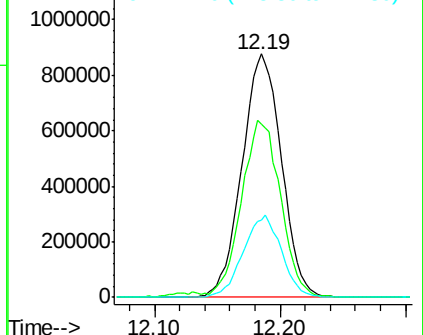
7/2/2020 5:01:02 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.165 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.02 min

Lab File: VL035141.D

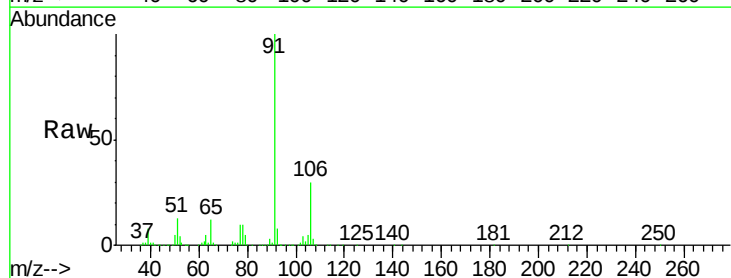
Acq: 1 Jul 2020 1:34

Tgt Ion: 91 Resp: 3379316

Ion Ratio Lower Upper

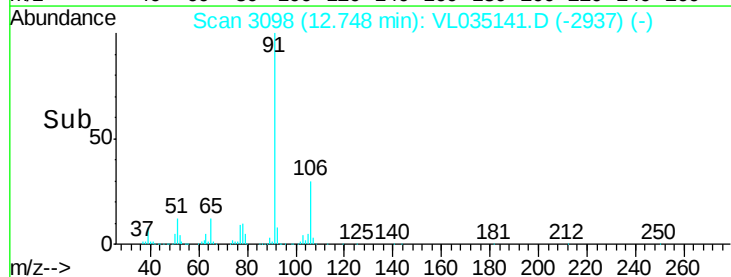
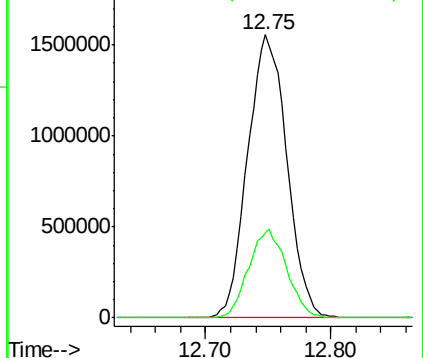
91 100

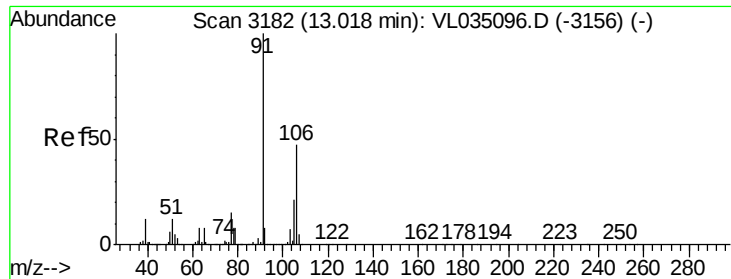
106 30.0 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





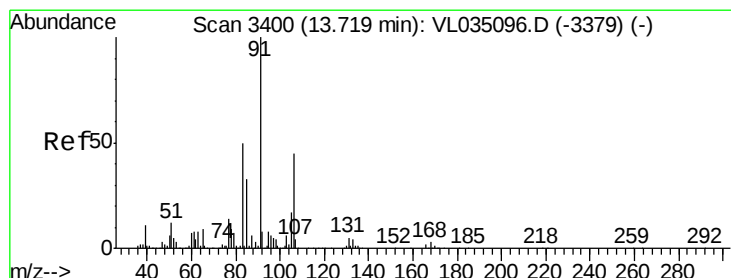
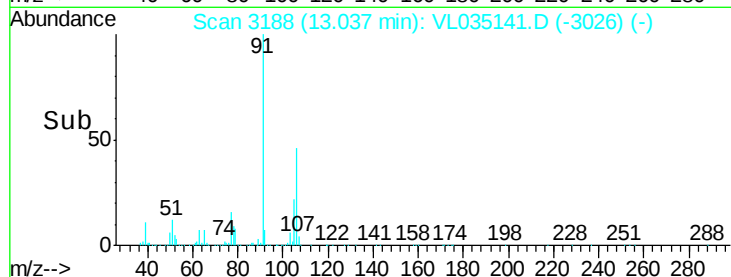
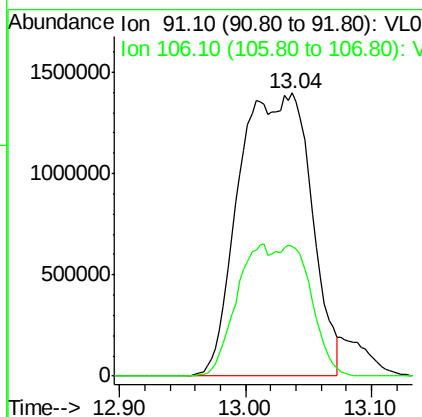
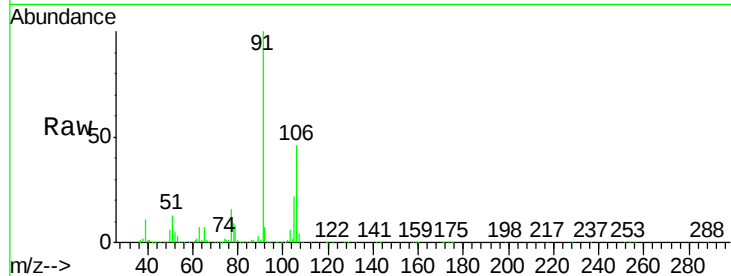
#59
m/p-Xylene
Concen: 18.872 ppbv m
RT: 13.04 min Scan# 3188
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5560030
Ion Ratio Lower Upper
91 100
106 0.0 36.5 54.7#

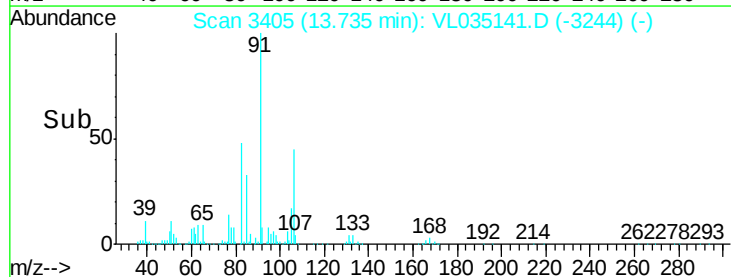
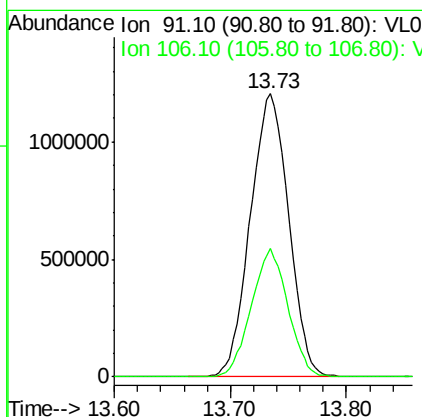
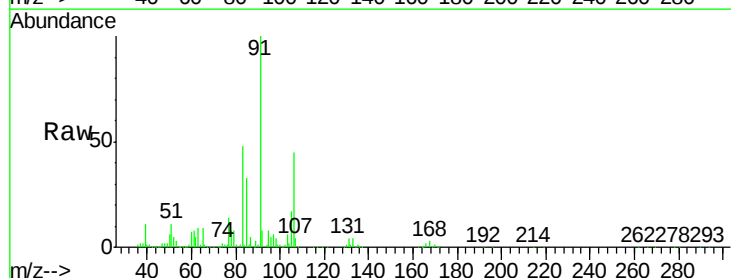
Manual Integrations
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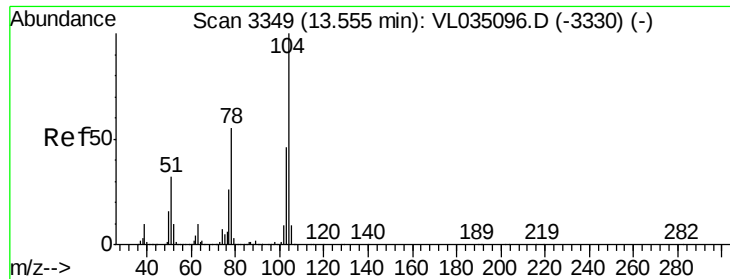
MMDadoda
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#60
o-Xylene
Concen: 9.433 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 91 Resp: 2766777
Ion Ratio Lower Upper
91 100
106 43.3 22.1 66.5





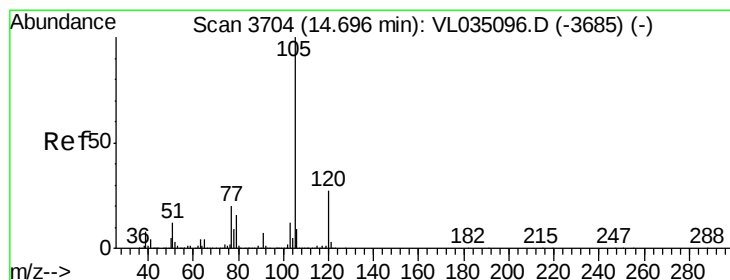
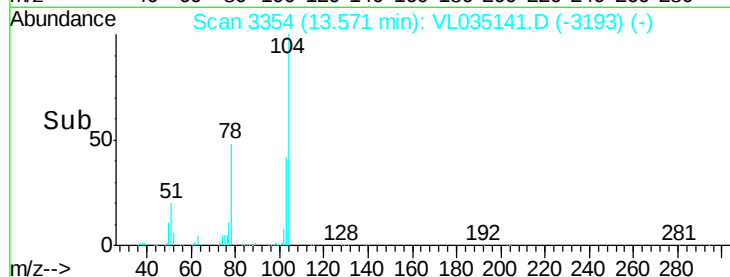
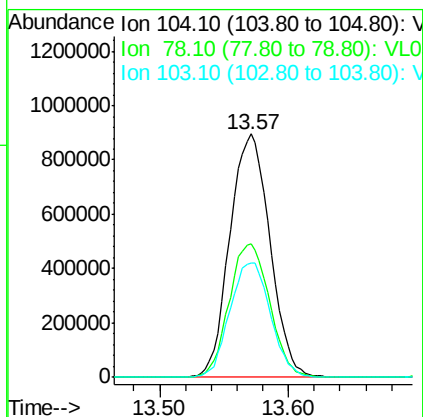
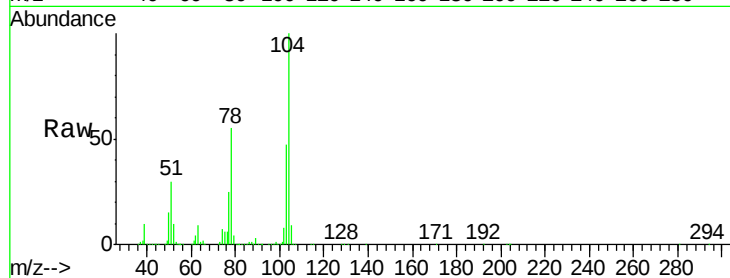
#61
Stvrene
Concen: 10.501 ppbv
RT: 13.57 min Scan# 3354
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.5	43.4	65.0
103	47.8	38.3	57.5

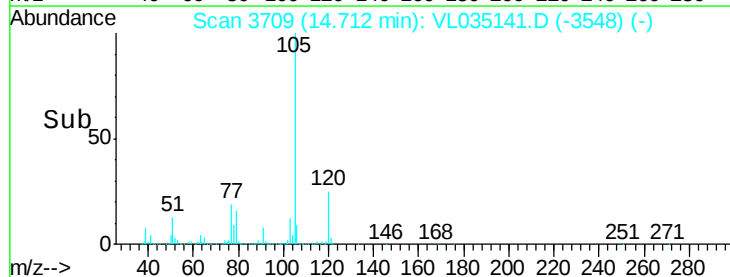
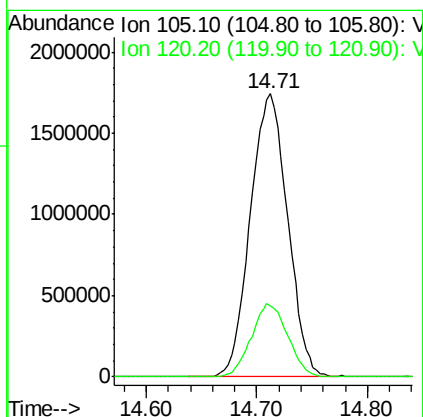
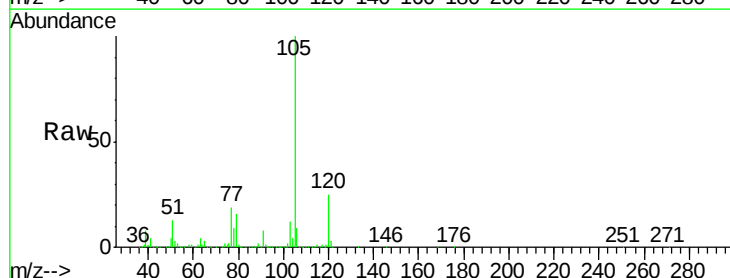
Manual Integrations
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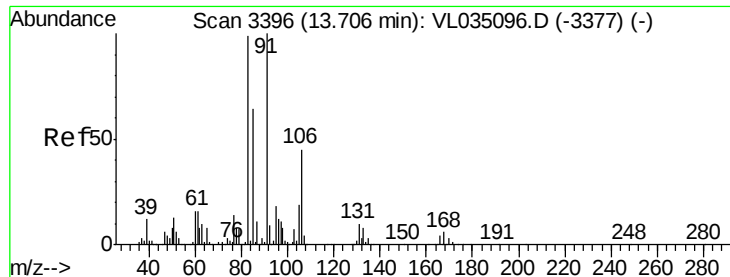
MMDadoda
7/2/2020 5:01:02 PM



#62
Isopropylbenzene
Concen: 9.315 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.8	31.2





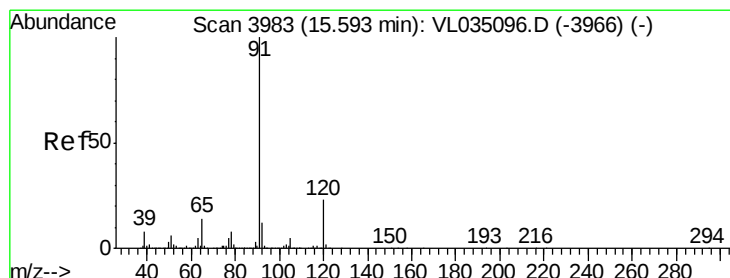
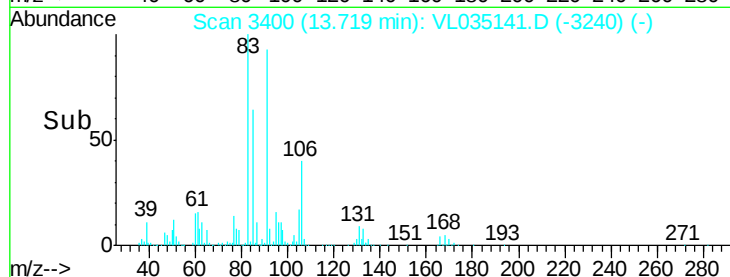
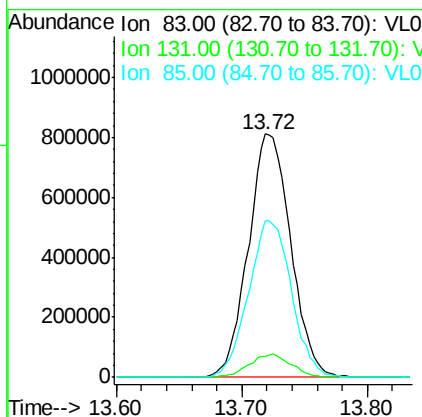
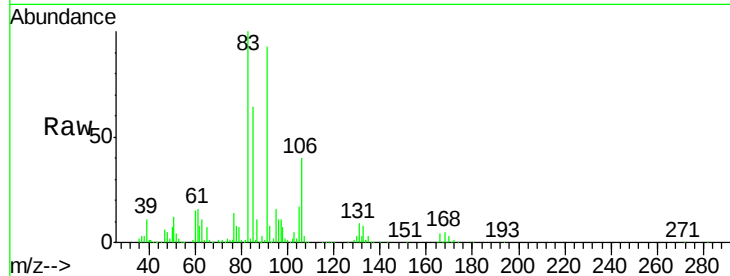
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.044 ppbv
 RT: 13.72 min Scan# 3400
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 1910814
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.0
 85 65.3 32.4 97.0

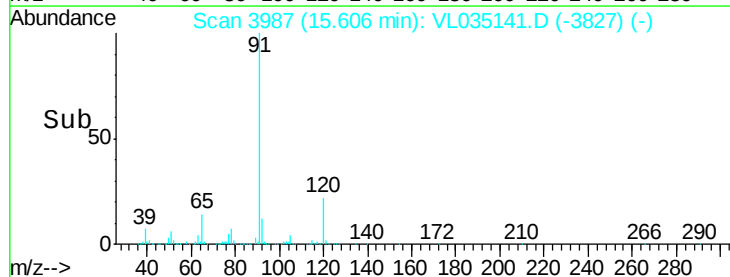
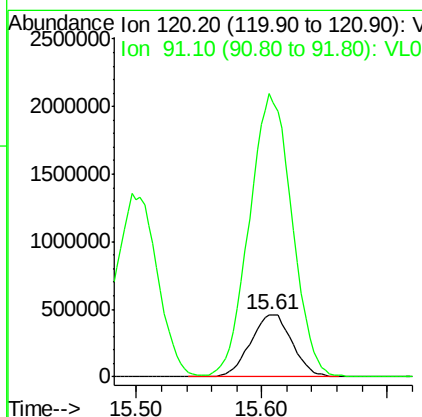
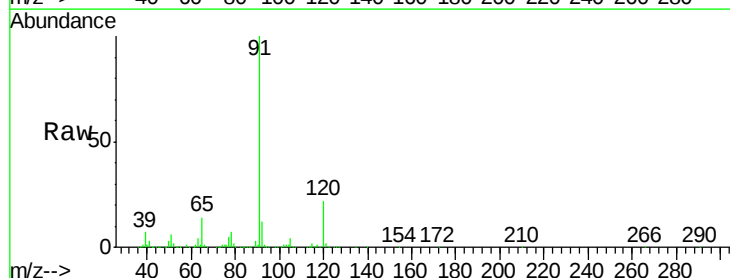
Manual Integrations
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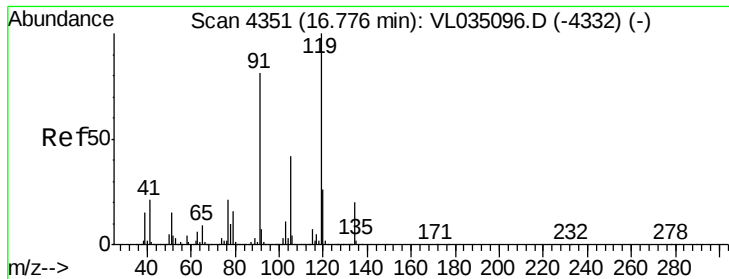
MMDadoda
 7/2/2020 5:01:02 PM



#64
 n-propylbenzene
 Concen: 9.551 ppbv
 RT: 15.61 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion: 120 Resp: 1066749
 Ion Ratio Lower Upper
 120 100
 91 466.6 367.9 551.9





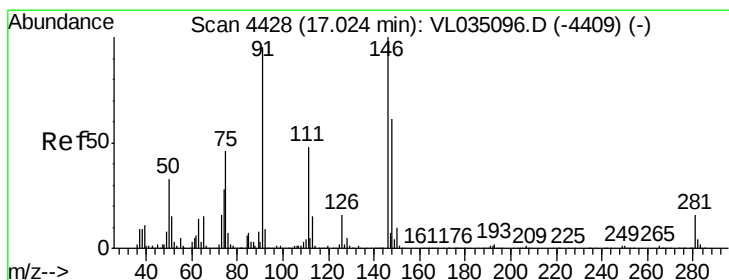
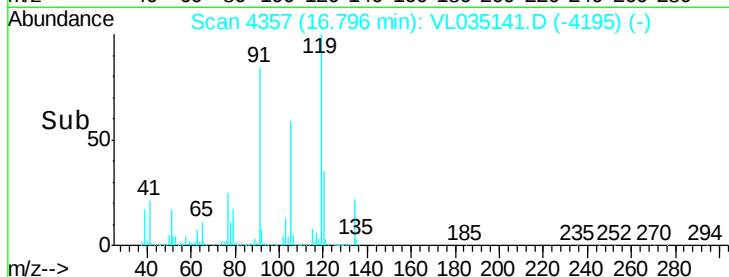
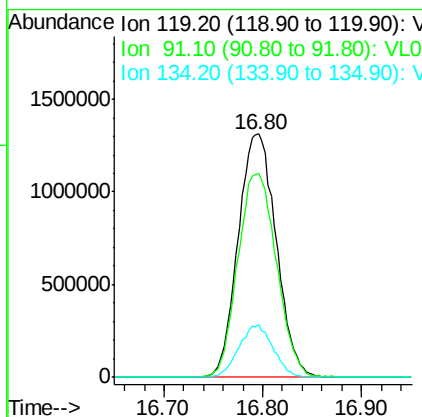
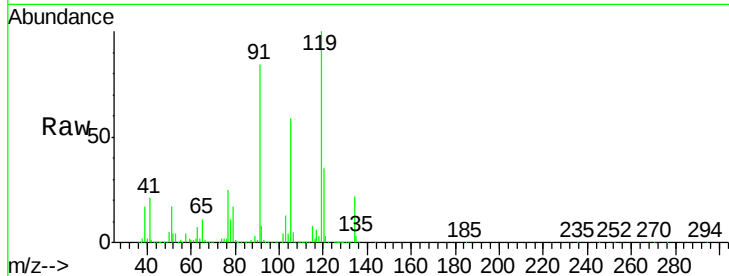
#65
tert-Butylbenzene
Concen: 9.341 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 3500684
Ion Ratio Lower Upper
119 100
91 85.5 67.6 101.4
134 19.4 15.7 23.5

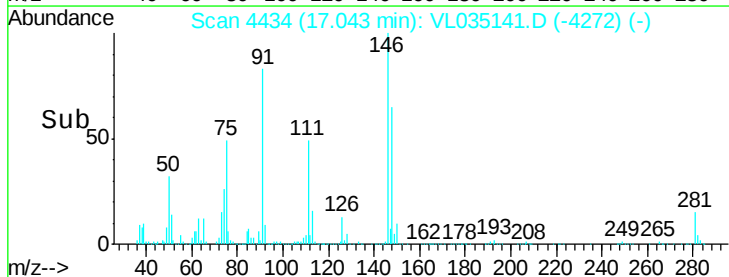
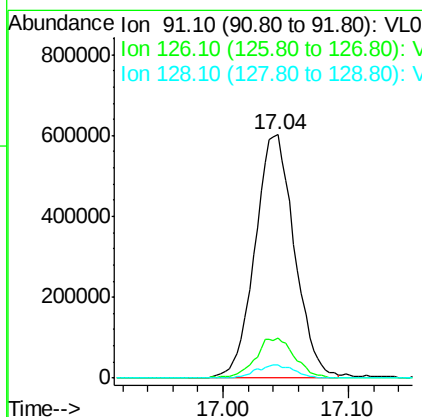
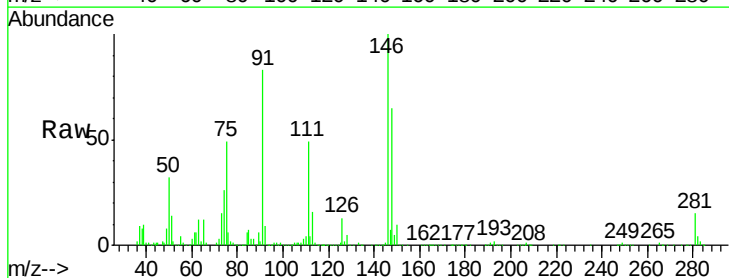
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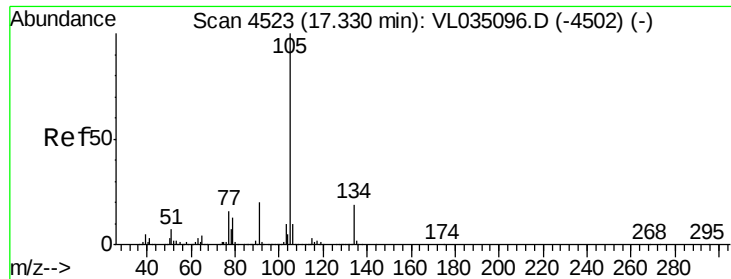
MMDadoda
7/2/2020 5:01:02 PM



#66
Benzyl Chloride
Concen: 11.352 ppbv
RT: 17.04 min Scan# 4434
Delta R.T. 0.02 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 91 Resp: 1314276
Ion Ratio Lower Upper
91 100
126 16.5 13.5 20.3
128 5.5 4.3 6.5





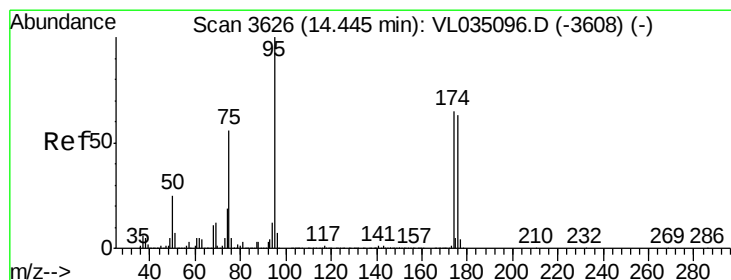
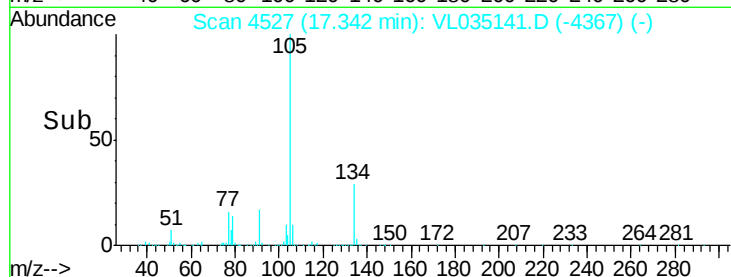
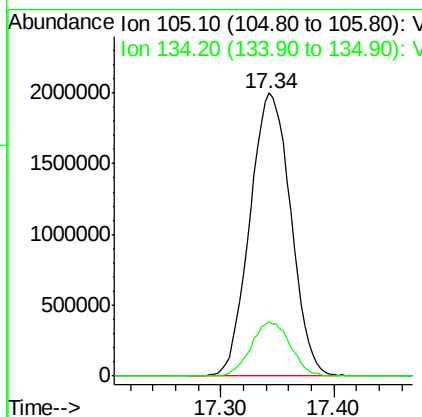
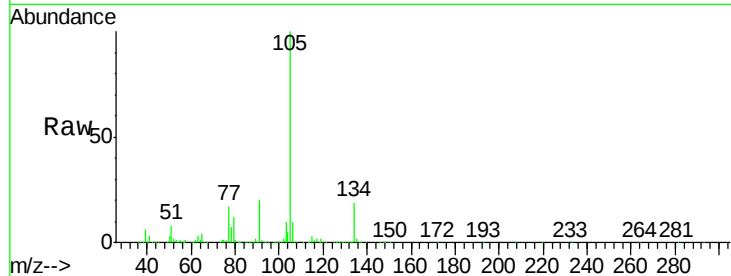
#67
 sec-Butylbenzene
 Concen: 9.332 ppbv
 RT: 17.34 min Scan# 4527
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 5013050
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.7 22.1

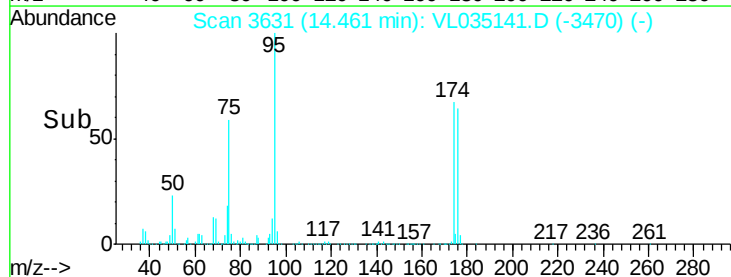
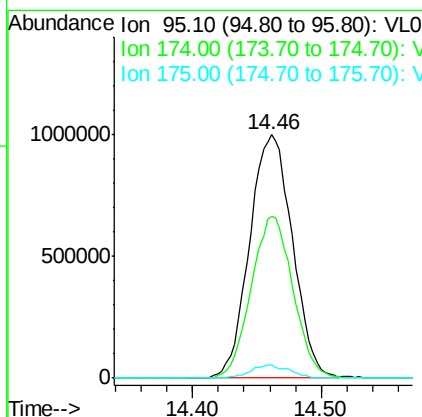
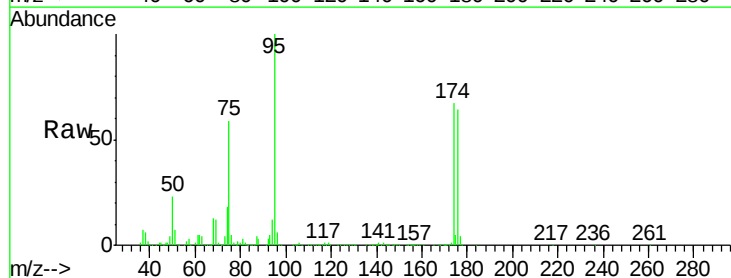
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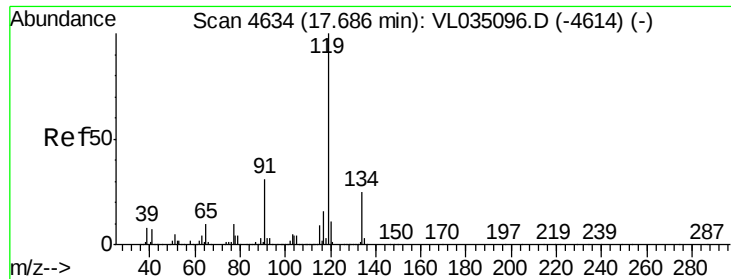
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.393 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion: 95 Resp: 2308564
 Ion Ratio Lower Upper
 95 100
 174 65.2 52.2 78.2
 175 4.9 4.0 6.0





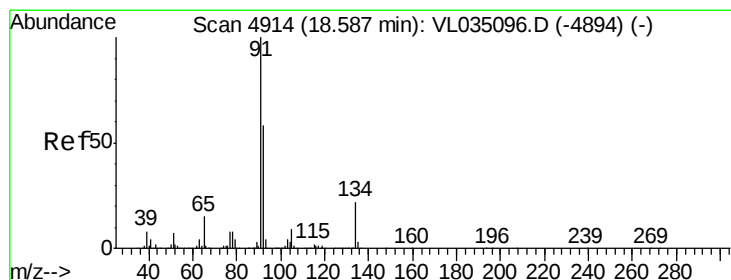
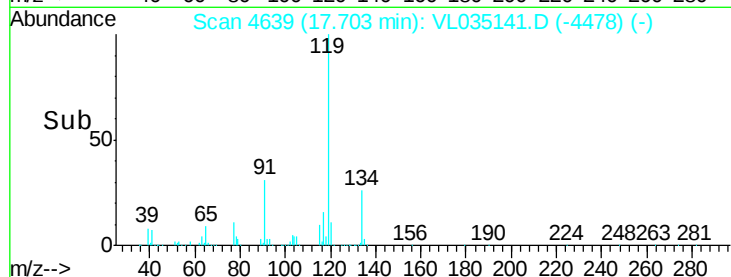
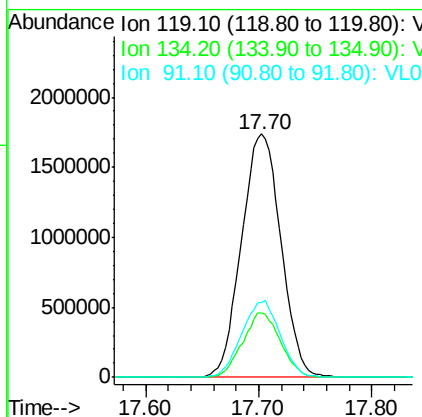
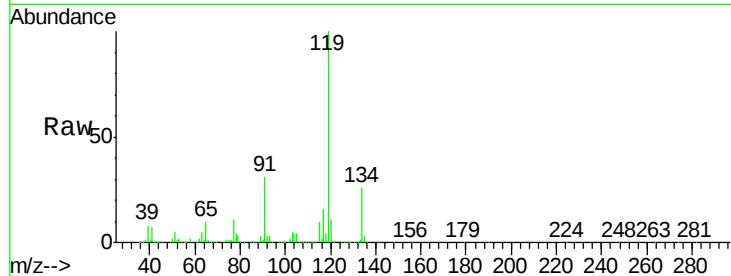
#69
 p-Isopropyltoluene
 Concen: 9.829 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	30.7	24.5	36.7

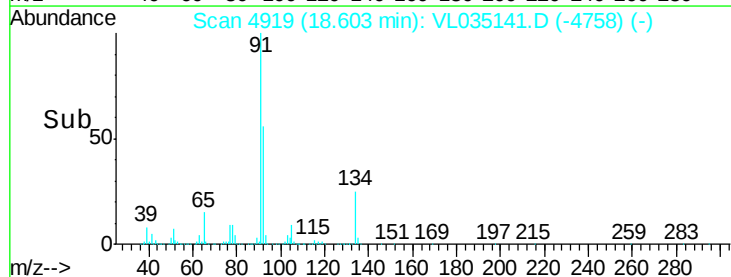
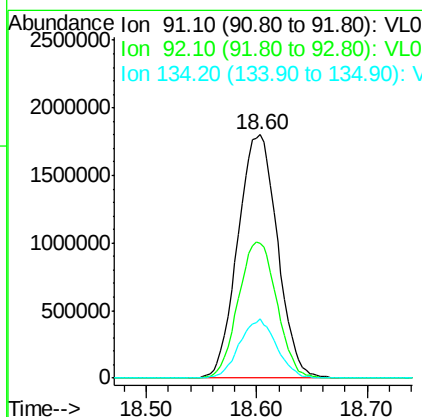
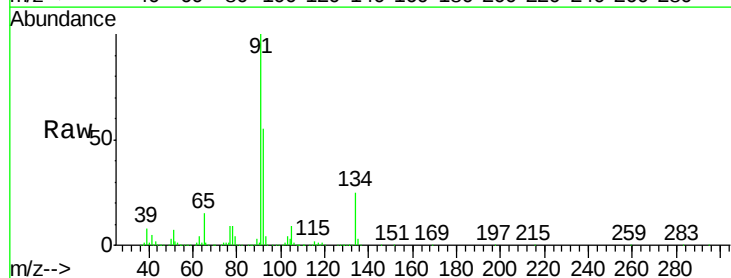
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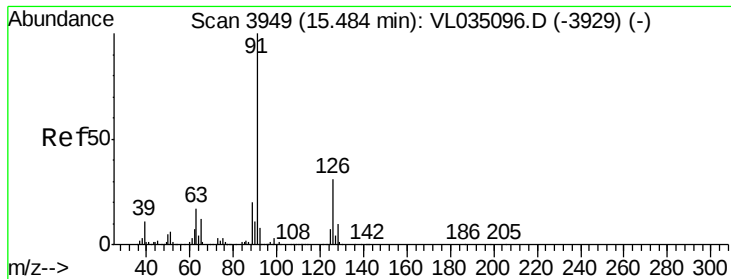
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 7/2/2020 5:01:02 PM



#70
 n-Butylbenzene
 Concen: 9.691 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.4	66.6
134	22.7	18.0	27.0





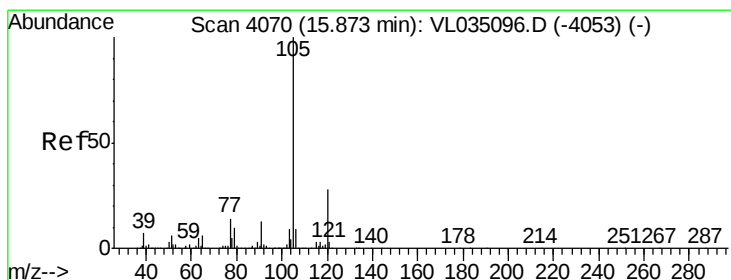
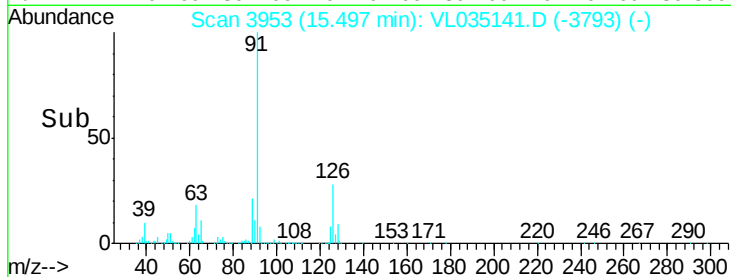
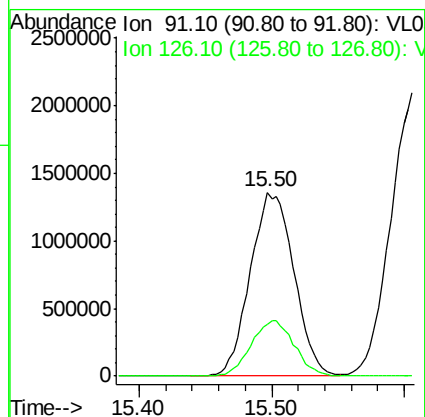
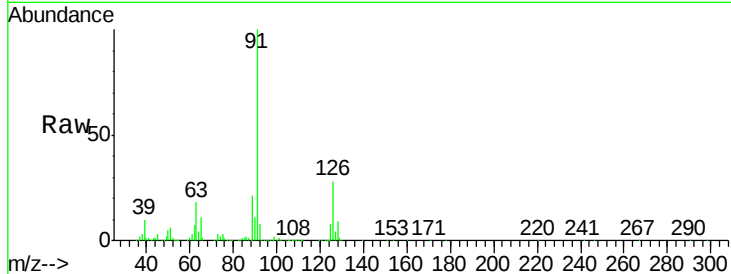
#71
2-Chlorotoluene
Concen: 9.410 ppbv
RT: 15.50 min Scan# 3953
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 3113052
Ion Ratio Lower Upper
91 100
126 29.8 12.0 48.0

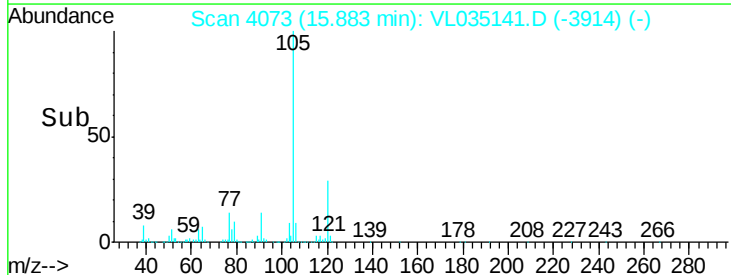
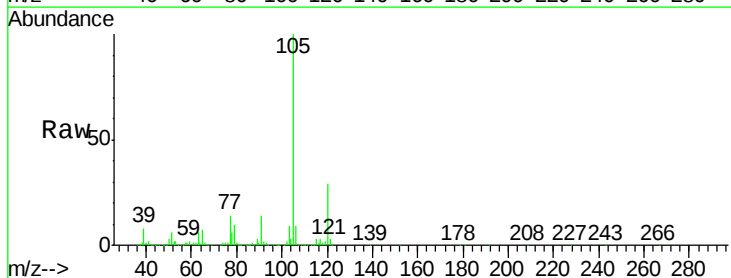
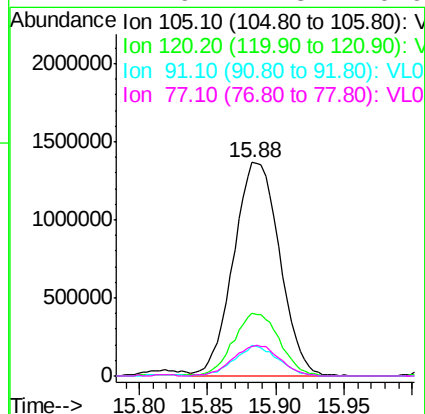
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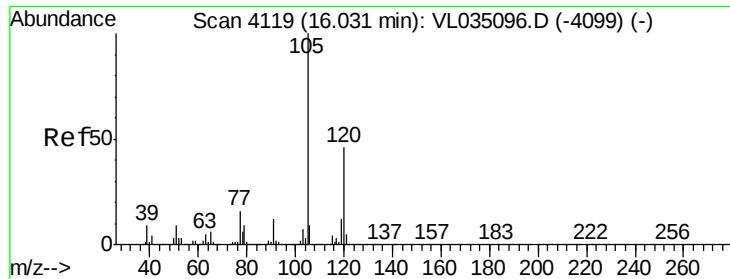
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7/2/2020 5:01:02 PM



#72
4-Ethyltoluene
Concen: 9.797 ppbv
RT: 15.88 min Scan# 4073
Delta R.T. 0.01 min
Lab File: VL035141.D
Acq: 1 Jul 2020 1:34

Tgt Ion: 105 Resp: 3196586
Ion Ratio Lower Upper
105 100
120 29.3 23.4 35.0
91 13.4 10.6 16.0
77 14.6 11.3 16.9





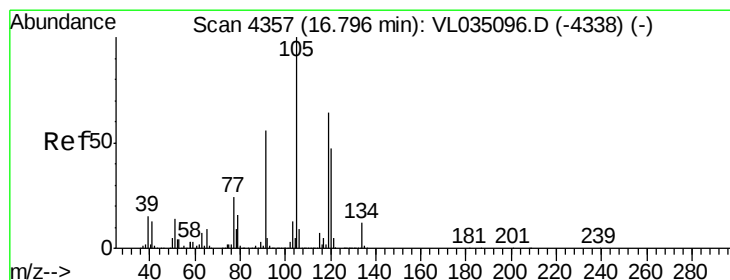
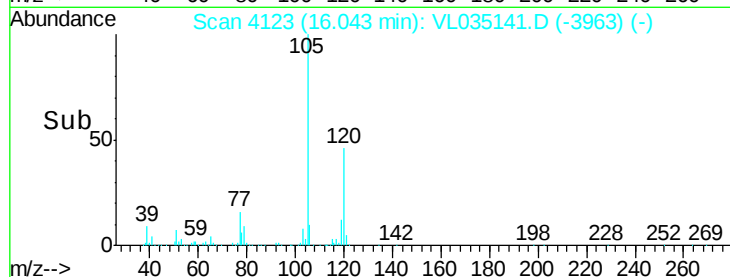
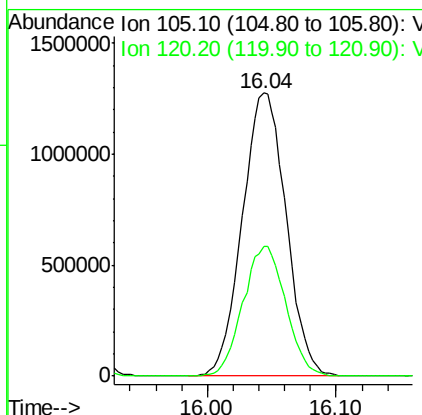
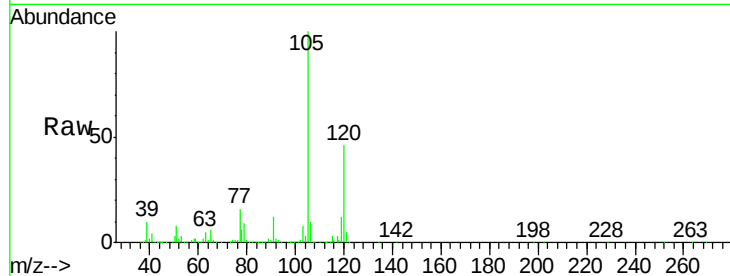
#73
 1,3,5-Trimethylbenzene
 Concen: 9.724 ppbv
 RT: 16.04 min Scan# 4123
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 2999095
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.0 55.6

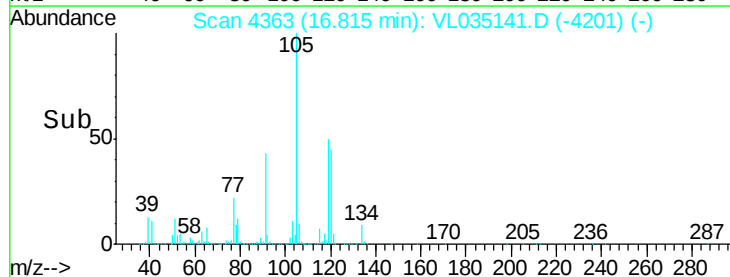
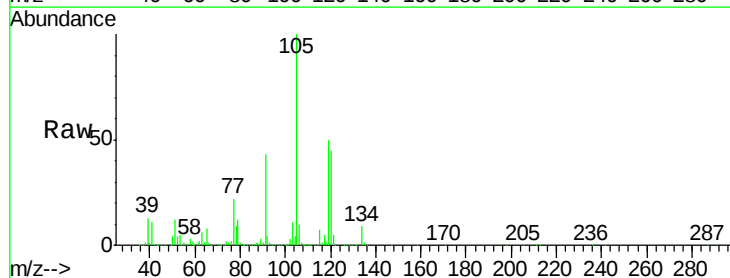
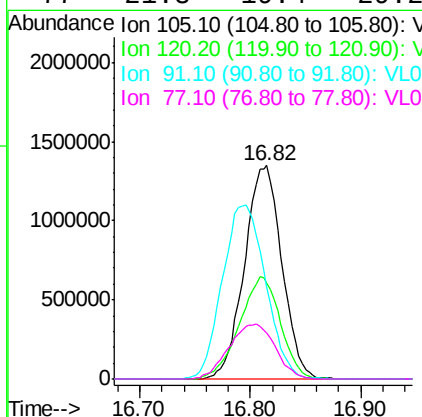
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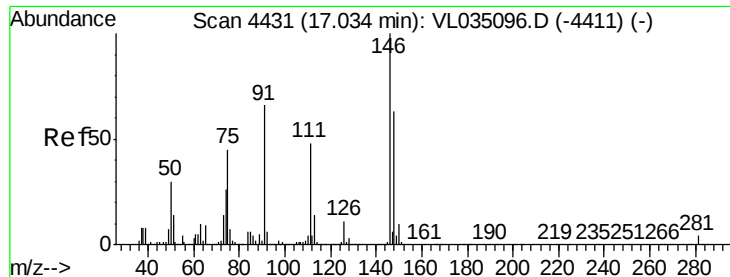
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 7/2/2020 5:01:02 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.193 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion:105 Resp: 3164483
 Ion Ratio Lower Upper
 105 100
 120 44.8 37.9 56.9
 91 42.8 46.0 69.0#
 77 21.8 19.4 29.2





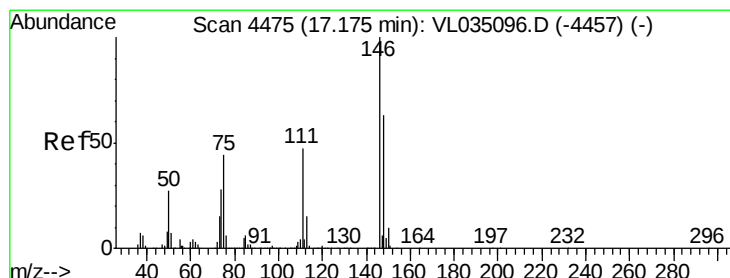
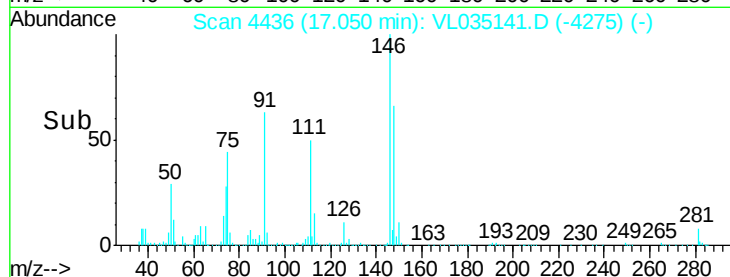
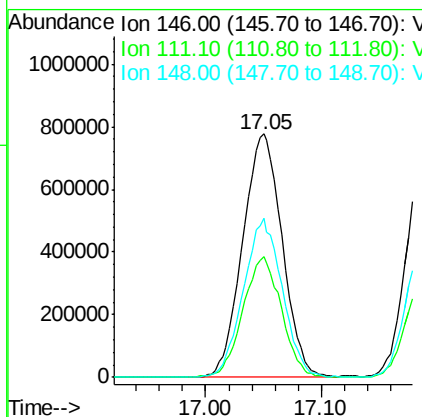
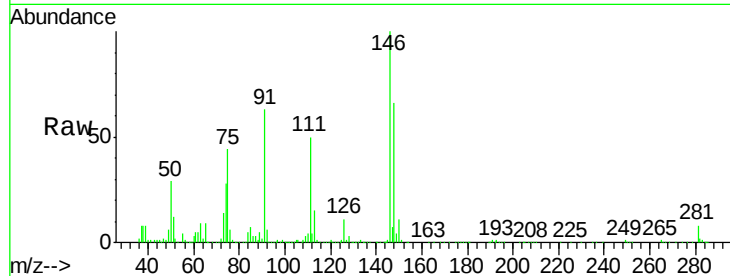
#75
 1,3-Dichlorobenzene
 Concen: 8.967 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1842175
 Ion Ratio Lower Upper
 146 100
 111 48.2 24.1 72.4
 148 64.1 32.3 96.8

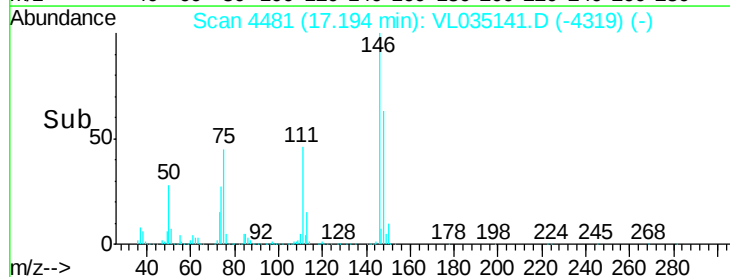
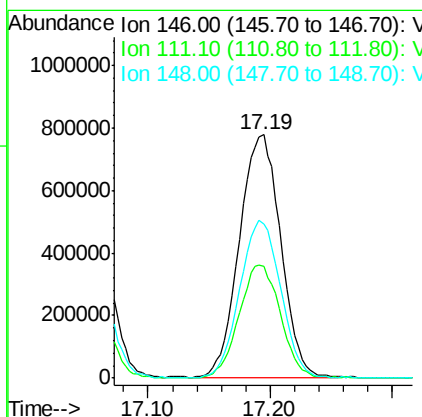
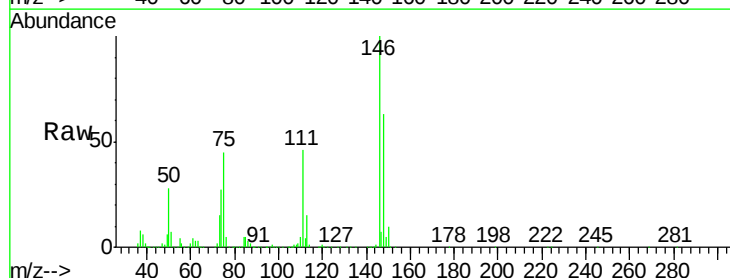
Manual Integrations
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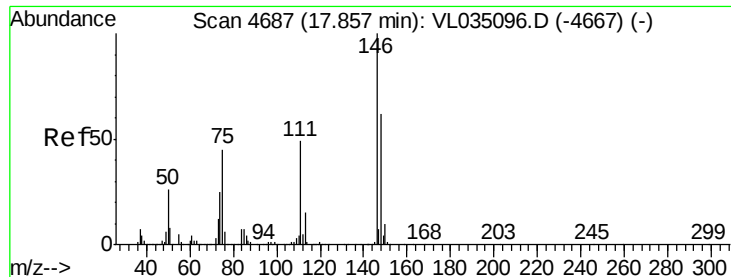
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 9.221 ppbv
 RT: 17.19 min Scan# 4481
 Delta R.T. 0.02 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion:146 Resp: 1812104
 Ion Ratio Lower Upper
 146 100
 111 46.8 23.5 70.5
 148 64.9 32.0 96.2





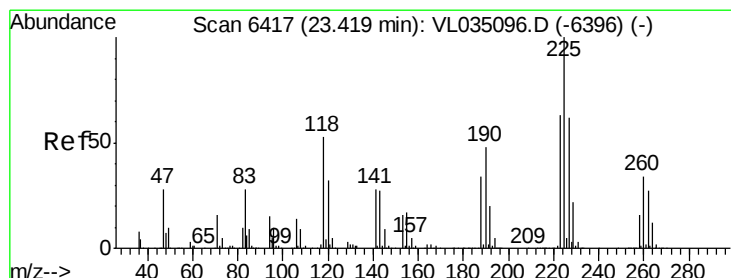
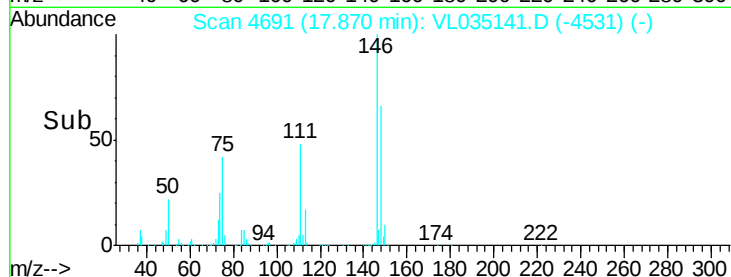
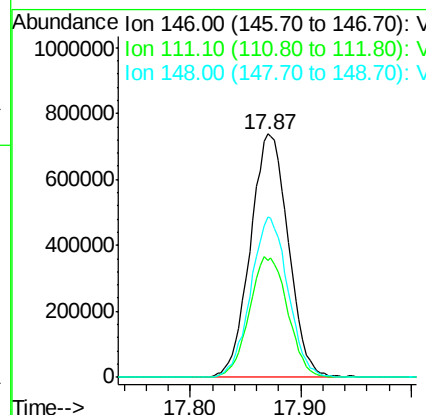
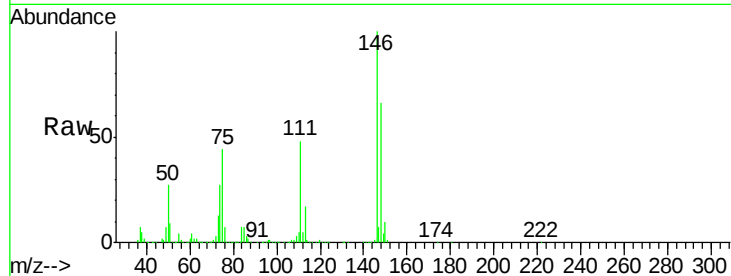
#77
 1,2-Dichlorobenzene
 Concen: 9.389 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1764979
 Ion Ratio Lower Upper
 146 100
 111 50.0 25.0 75.0
 148 64.7 32.3 96.8

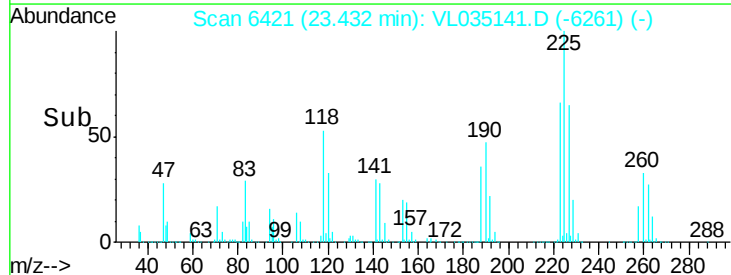
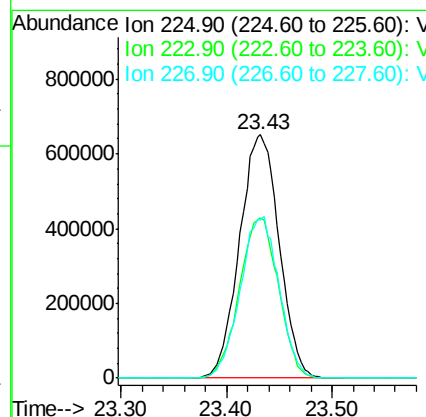
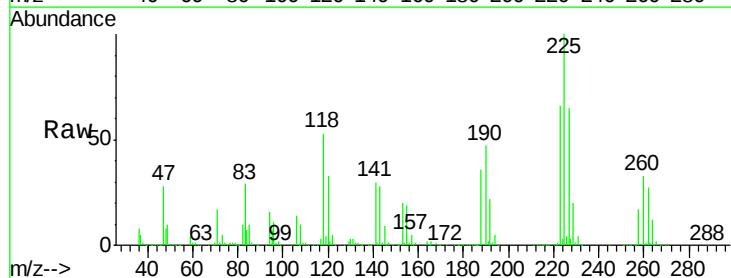
Manual Integrations
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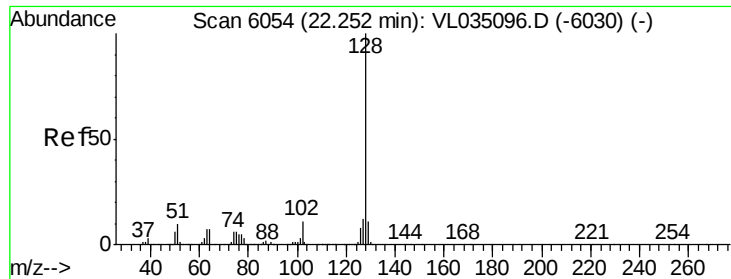
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 10.066 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Tgt Ion:225 Resp: 1700865
 Ion Ratio Lower Upper
 225 100
 223 64.9 51.4 77.0
 227 64.9 51.8 77.8





#79

Naphthalene

Concen: 12.481 ppbv

RT: 22.27 min Scan# 6060

Delta R.T. 0.02 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3766794

Ion Ratio Lower Upper

128 100

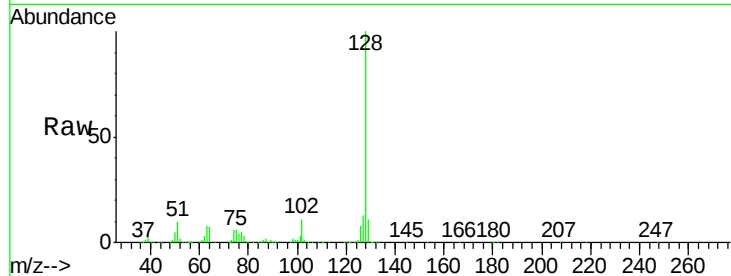
127 13.2 9.9 14.9

129 10.8 9.0 13.4

Manual Integrations
APPROVED

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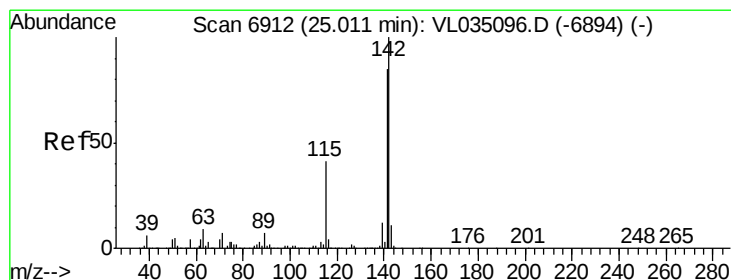
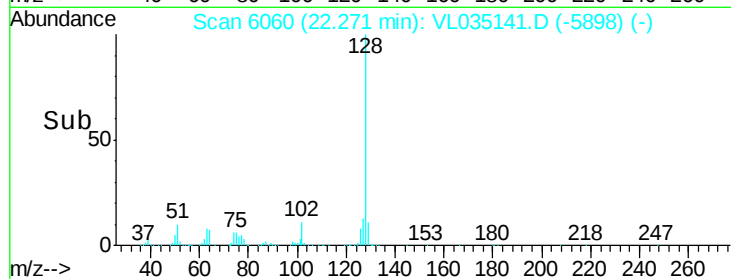
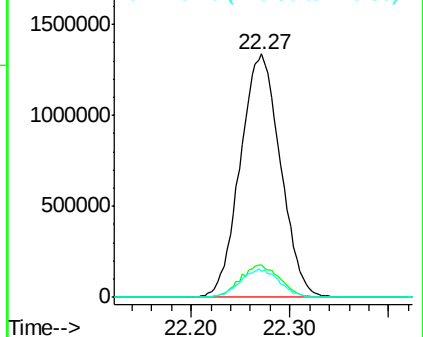
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.098 ppbv

RT: 25.02 min Scan# 6915

Delta R.T. 0.01 min

Lab File: VL035141.D

Acq: 1 Jul 2020 1:34

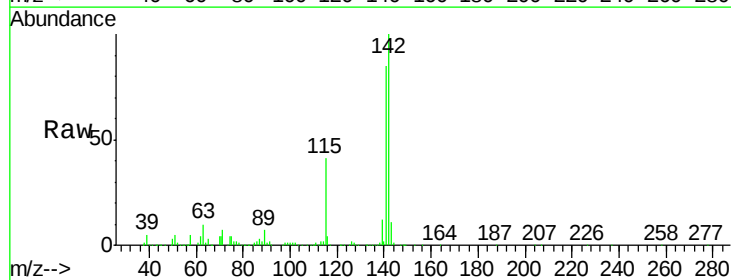
Tgt Ion:142 Resp: 1396006

Ion Ratio Lower Upper

142 100

141 84.7 67.5 101.3

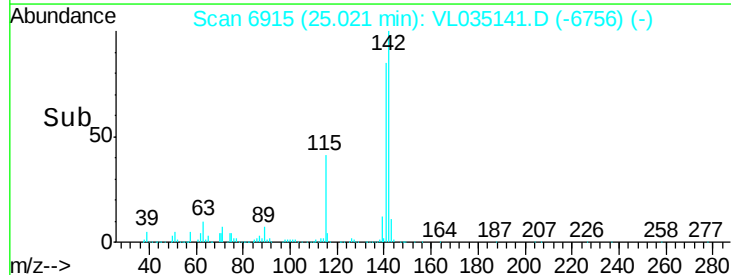
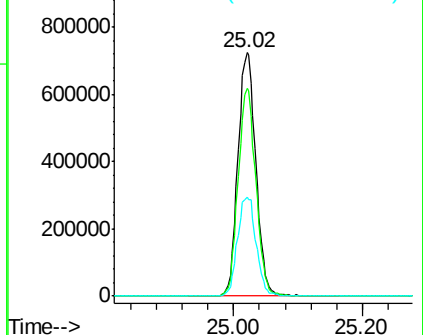
115 42.4 33.8 50.8

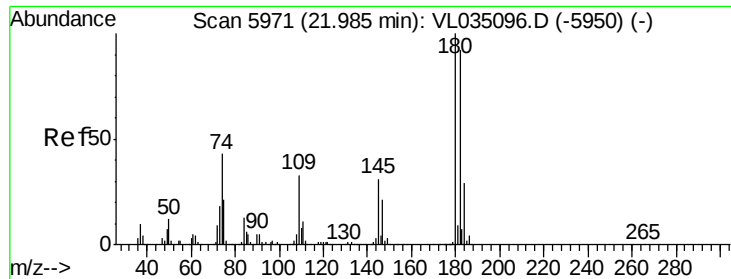


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.343 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. 0.01 min
 Lab File: VL035141.D
 Acq: 1 Jul 2020 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.9	116.9
184	31.5	24.6	37.0

Manual Integrations
 APPROVED

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 7/2/2020 5:01:02 PM

