

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035123.D
 Acq On : 30 Jun 2020 13:36
 Operator : SY/AP
 Sample : VL0630ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0630ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 5:00:28 PM

Quant Time: Jul 01 03:16:15 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	1283746	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3070438	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.12	117	3236301m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2501529	9.30	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1565626	9.032	ppbv 98
3) Chlorodifluoromethane	2.95	51	1267411	8.937	ppbv 97
4) Chloromethane	3.11	50	727663	9.154	ppbv 99
5) Vinyl Chloride	3.22	62	731577	9.677	ppbv 96
6) Bromomethane	3.44	94	452635	9.642	ppbv 89
7) Chloroethane	3.53	64	274867	9.642	ppbv 90
8) Dichlorotetrafluoroethane	3.15	85	1708989	9.195	ppbv 99
9) Propene	2.97	41	521197	9.281	ppbv 99
10) Heptane	8.14	43	1468920	10.093	ppbv 100
11) Trichlorofluoromethane	3.92	101	1816941	9.811	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1262645	9.860	ppbv 99
13) Ethanol	3.57	45	145479	6.858	ppbv 97
14) Bromoethene	3.71	108	553985	10.036	ppbv 98
15) Acetone	3.82	43	1369941	8.827	ppbv 98
16) 1,3-Butadiene	3.29	39	657637	9.661	ppbv 100
17) tert-Butyl alcohol	4.27	59	1485657	10.801	ppbv 100
18) 1,1-Dichloroethene	4.27	96	587135	10.166	ppbv 99
19) Isopropyl Alcohol	3.94	45	986954	9.793	ppbv 100
20) Methylene Chloride	4.32	84	531453	8.460	ppbv 94
21) Allyl Chloride	4.39	41	969380	10.509	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	584922	10.825	ppbv 97
23) Vinyl Acetate	5.06	43	1887637	10.020	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1495252	9.414	ppbv 99
25) Ethyl Acetate	5.67	43	2574240	9.190	ppbv 100
26) Hexane	5.68	57	1168897	9.256	ppbv 98
27) Carbon Disulfide	4.53	76	1568150	11.999	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1792283	10.101	ppbv 99
29) Chloroform	5.75	83	1829782	9.259	ppbv 97
30) Cyclohexane	7.14	84	956313	10.551	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1150763	9.885	ppbv 98
32) 1,1,1-Trichloroethane	6.52	97	1789780	9.764	ppbv 100
34) 2-Butanone	5.23	43	1600243	9.075	ppbv 99
35) Carbon Tetrachloride	7.02	117	1853613	10.066	ppbv 97
36) Benzene	6.90	78	2252261	9.473	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1446985	9.630	ppbv 99
38) Trichloroethene	7.85	130	884731	9.580	ppbv 94
39) 1,2-Dichloropropane	7.63	63	891550	9.588	ppbv 97
40) 1,4-Dioxane	7.84	88	343141	9.355	ppbv # 94
41) Tetrahydrofuran	6.05	42	900086	9.994	ppbv 99
42) Bromodichloromethane	7.81	83	1938256	9.960	ppbv 93
43) Methyl Methacrylate	8.03	69	1039988	10.334	ppbv 100

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Manual Integrations
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Quant Time: Jul 01 03:16:15 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)

44) 2,2,4-Trimethylpentane	7.88	57	3951128	9.521	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1177843	12.026	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1360123	11.179	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	957651	9.436	ppbv	98
48) Dibromochloromethane	10.34	129	1587581	10.493	ppbv	99
49) Bromoform	13.09	173	1327751	10.330	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2462030	9.828	ppbv	99
51) 2-Hexanone	10.16	43	1963503	10.008	ppbv #	100
52) Tetrachloroethene	11.26	164	796669	9.509	ppbv	96
53) Toluene	9.83	91	2637905	10.402	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1428447	9.506	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1194868	9.022	ppbv #	56
57) Chlorobenzene	12.19	112	1969483	8.270	ppbv	99
58) Ethyl Benzene	12.75	91	3481764	9.575	ppbv	98
59) m/p-Xylene	13.01	91	5753108m	17.853	ppbv	
60) o-Xylene	13.73	91	2875650	8.963	ppbv	99
61) Styrene	13.57	104	2022623	10.019	ppbv	100
62) Isopropylbenzene	14.71	105	4208067	8.790	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1991897	7.666	ppbv	100
64) n-propylbenzene	15.61	120	1108182	9.071	ppbv	99
65) tert-Butylbenzene	16.79	119	3661820	8.933	ppbv	99
66) Benzyl Chloride	17.04	91	1432093	11.309	ppbv	99
67) sec-Butylbenzene	17.34	105	5229193	8.900	ppbv	100
69) p-Isopropyltoluene	17.70	119	4343767	9.268	ppbv	99
70) n-Butylbenzene	18.60	91	4670518	9.251	ppbv	99
71) 2-Chlorotoluene	15.50	91	3220939	8.901	ppbv	99
72) 4-Ethyltoluene	15.89	105	3311371	9.278	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3127139	9.269	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	3298566	8.760	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	1908721	8.494	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1895859	8.820	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1853087	9.013	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1710722	9.256	ppbv	99
79) Naphthalene	22.27	128	3884704	11.768	ppbv	97
80) Naphthalene, 2-methyl-	25.02	142	1459168	11.560	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	2075613	10.900	ppbv	100

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

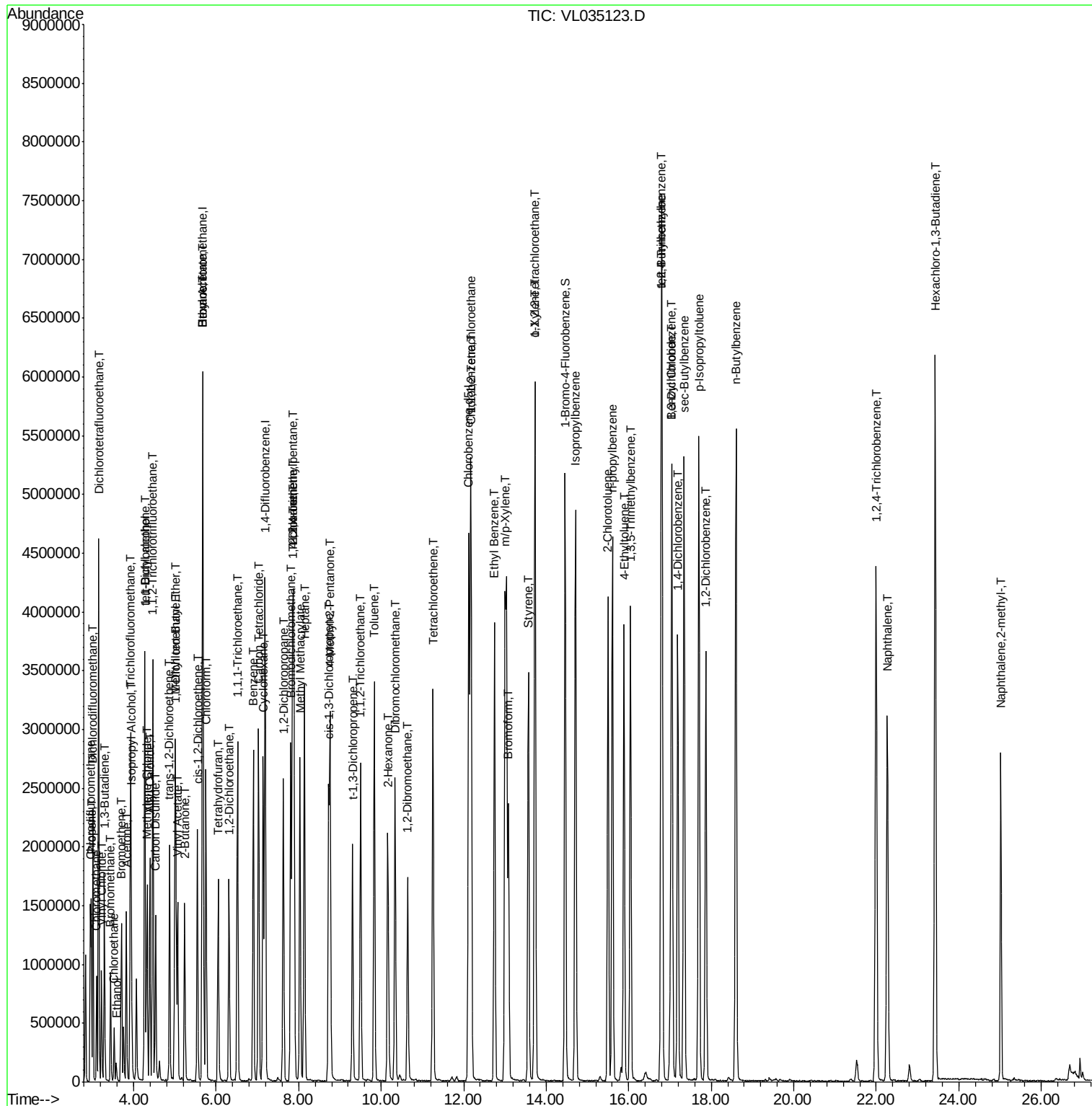
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL063020\
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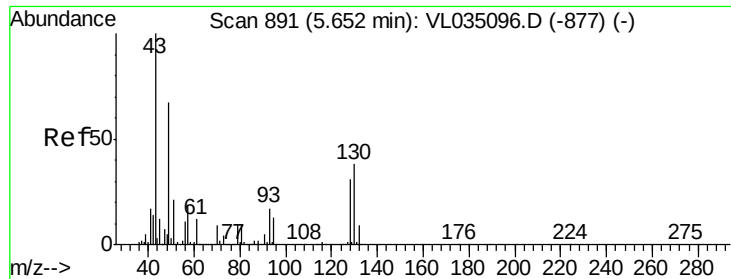
Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

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7/2/2020 5:00:28 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion: 49 Resp: 1283746

Ion Ratio Lower Upper

49 100

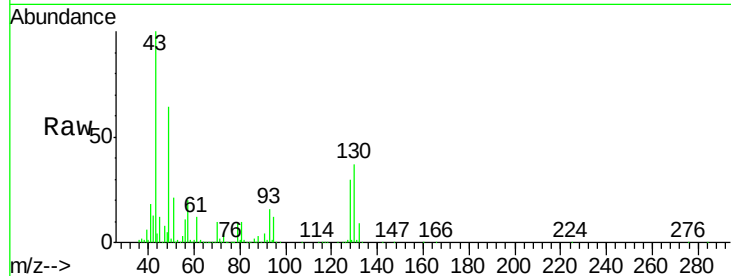
128 46.7 22.9 68.5

130 59.4 29.0 87.0

Manual Integrations
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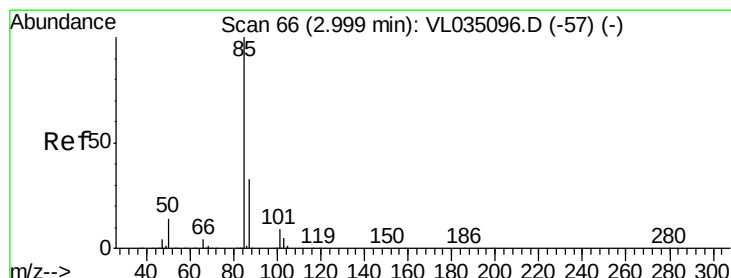
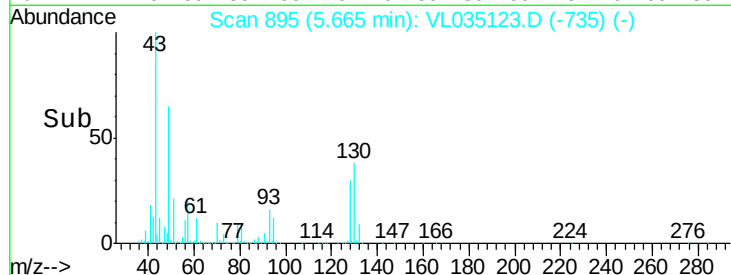
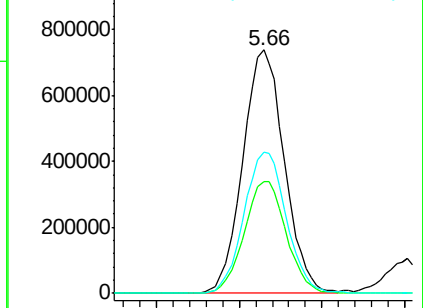
7/2/2020 5:00:28 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.032 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035123.D

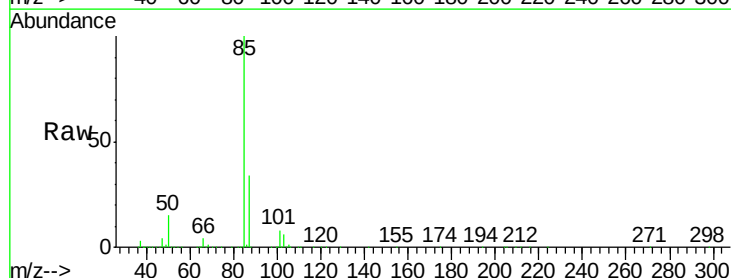
Acq: 30 Jun 2020 13:36

Tgt Ion: 85 Resp: 1565626

Ion Ratio Lower Upper

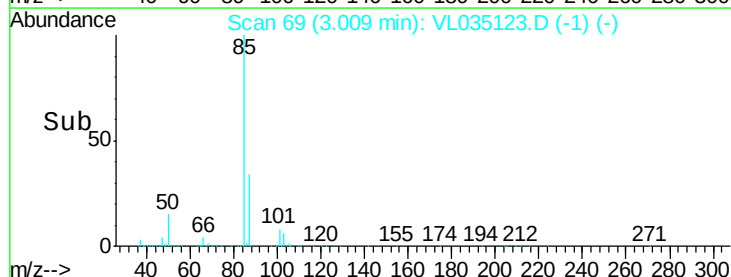
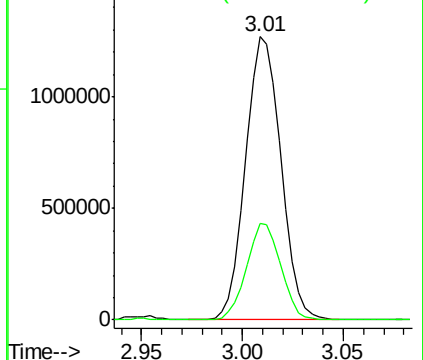
85 100

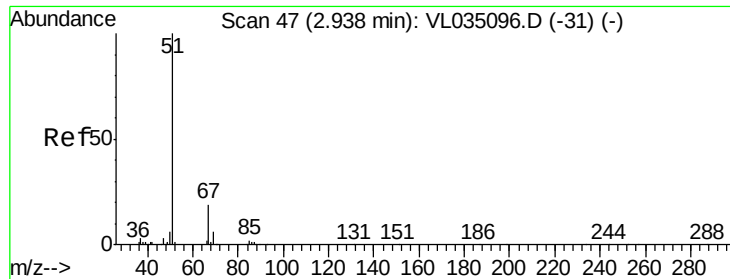
87 34.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.937 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Tot Ion: 51 Resp: 1267411

Ion Ratio Lower Upper

51 100

67 20.2 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

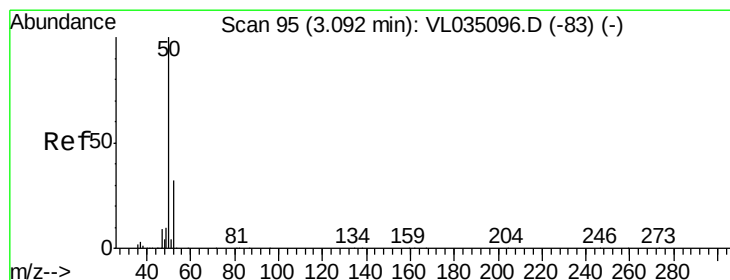
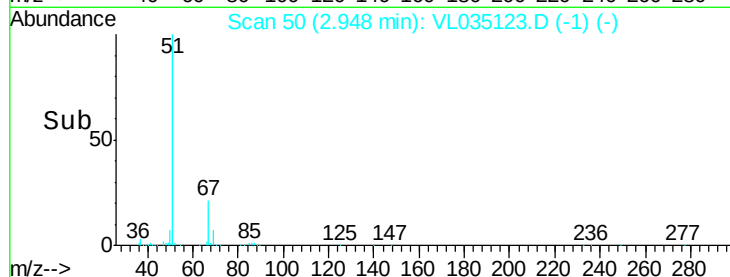
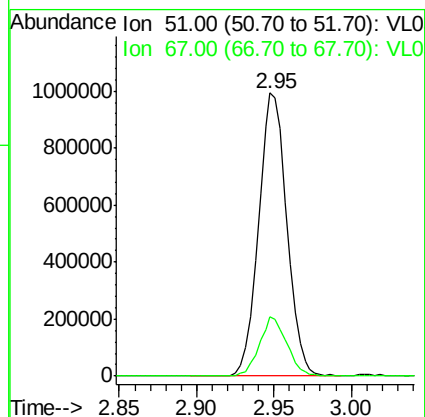
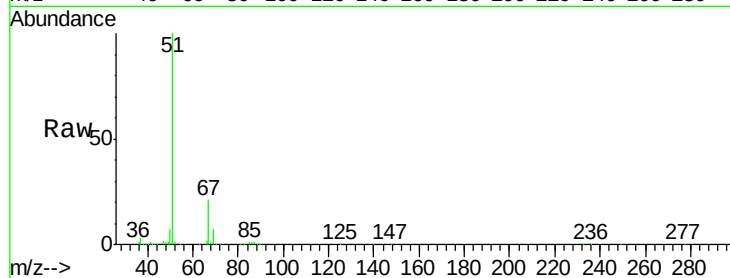
VL0630ABS01

Manual Integrations

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#4

Chloromethane

Concen: 9.154 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.01 min

Lab File: VL035123.D

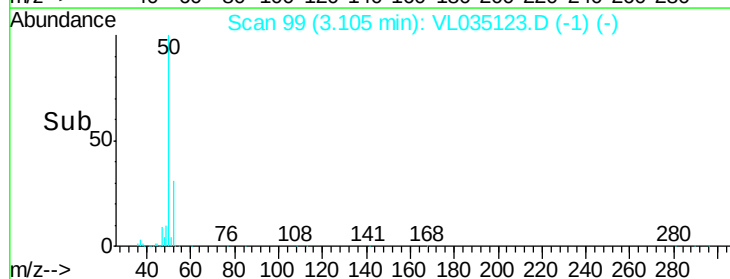
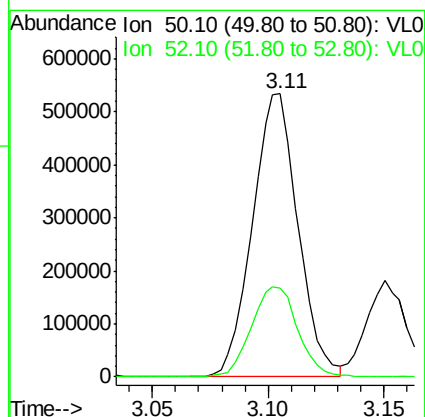
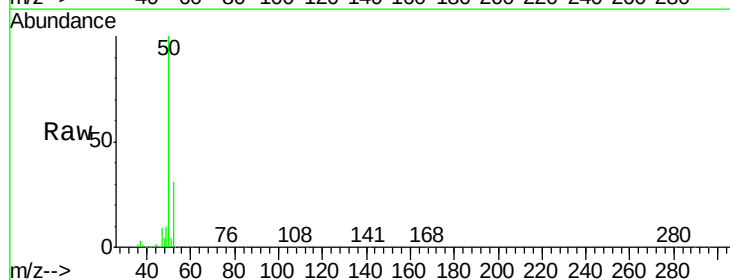
Acq: 30 Jun 2020 13:36

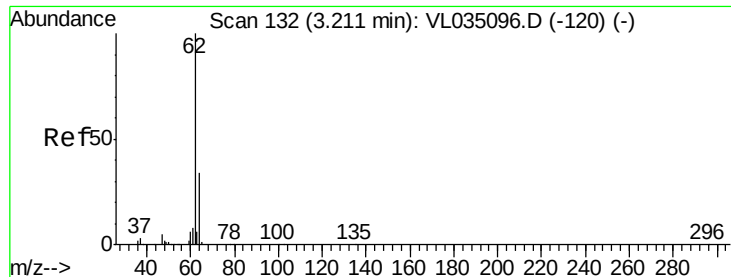
Tgt Ion: 50 Resp: 727663

Ion Ratio Lower Upper

50 100

52 31.2 25.4 38.0





#5

Vinyl Chloride

Concen: 9.677 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion: 62 Resp: 731577

Ion Ratio Lower Upper

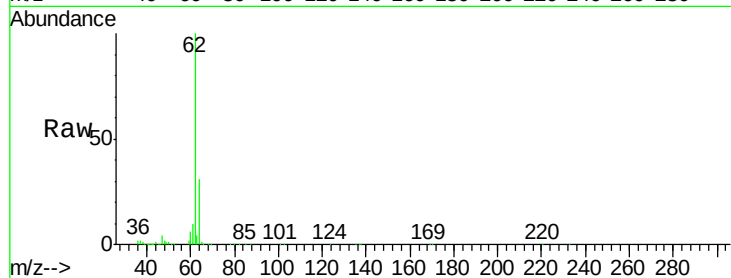
62 100

64 31.4 27.0 40.4

Manual Integrations
APPROVED

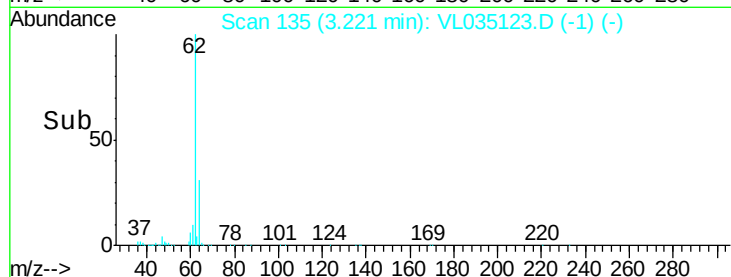
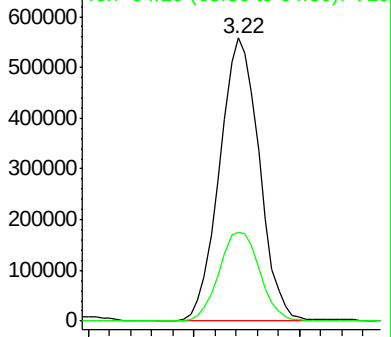
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7/2/2020 5:00:28 PM

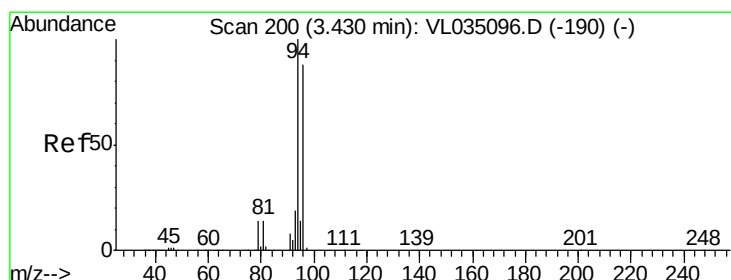


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 9.642 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.01 min

Lab File: VL035123.D

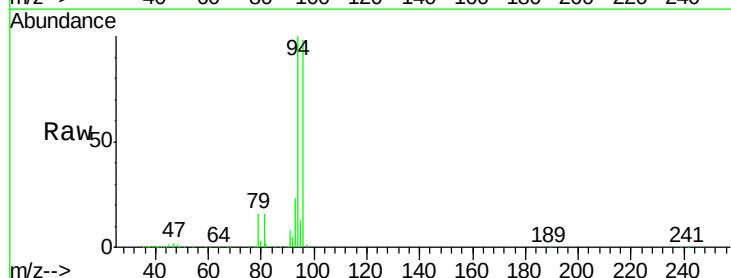
Acq: 30 Jun 2020 13:36

Tgt Ion: 94 Resp: 452635

Ion Ratio Lower Upper

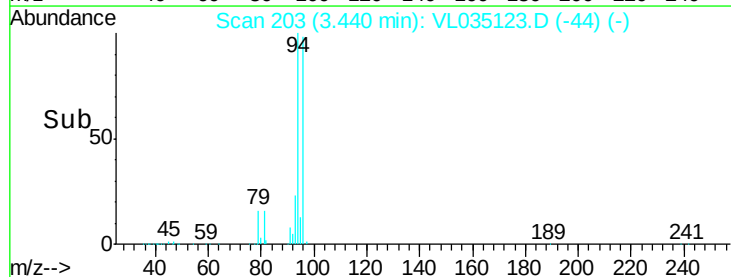
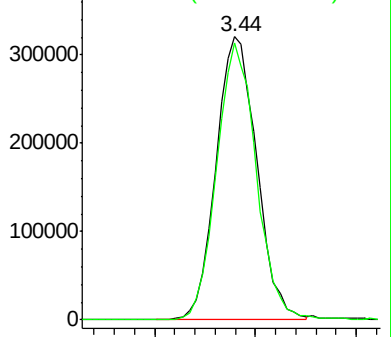
94 100

96 97.8 70.2 105.2

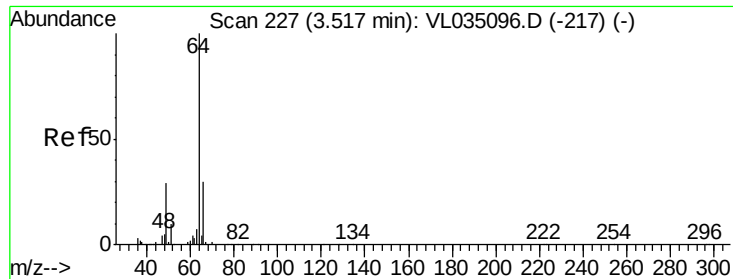


Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->



#7

Chloroethane

Concen: 9.642 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion: 64 Resp: 274867

Ion Ratio Lower Upper

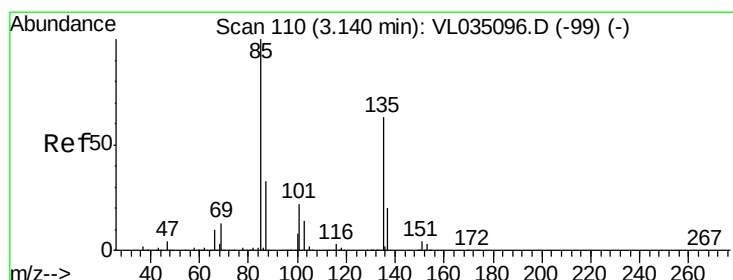
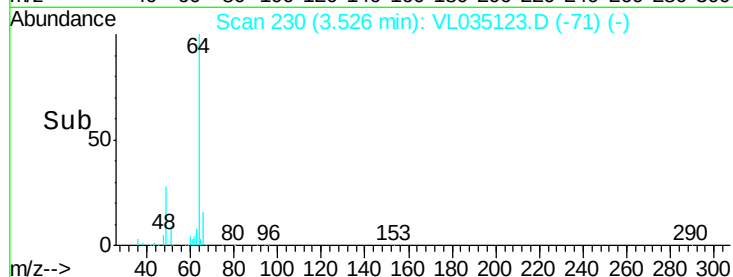
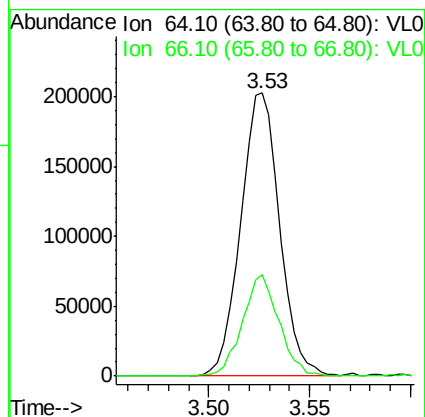
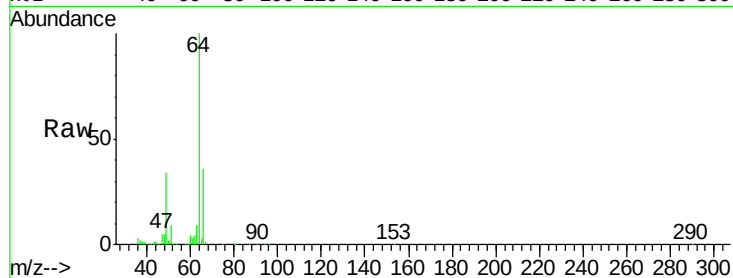
64 100

66 35.8 24.2 36.4

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 9.195 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL035123.D

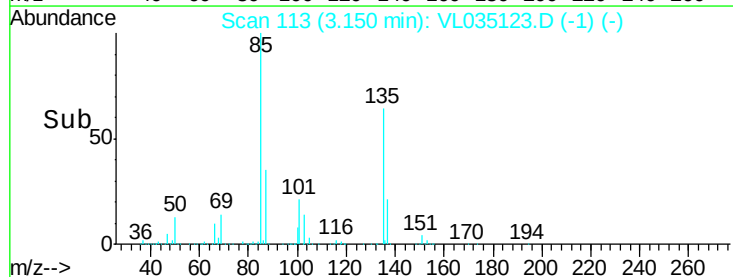
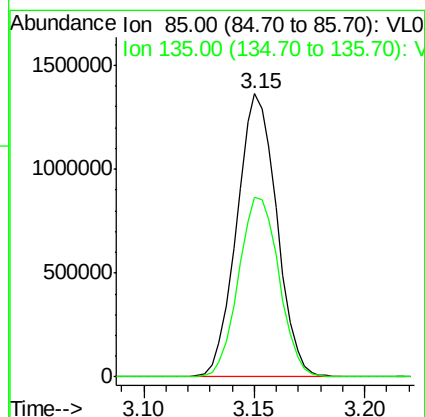
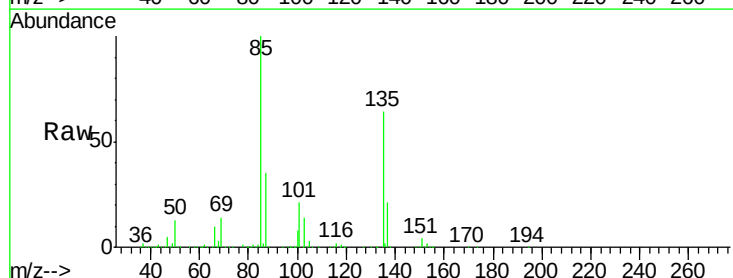
Acq: 30 Jun 2020 13:36

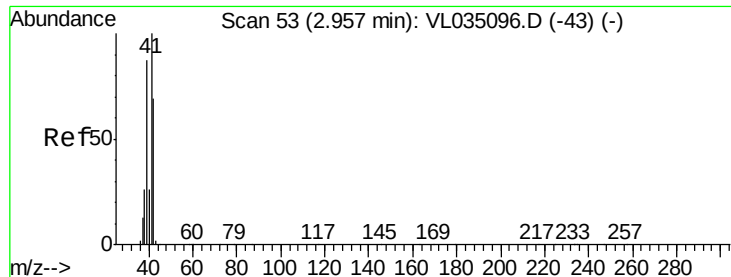
Tgt Ion: 85 Resp: 1708989

Ion Ratio Lower Upper

85 100

135 64.8 51.0 76.6





#9

Propene

Concen: 9.281 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion: 41 Resp: 521197

Ion Ratio Lower Upper

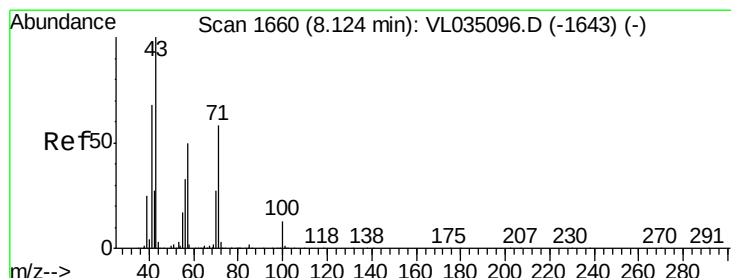
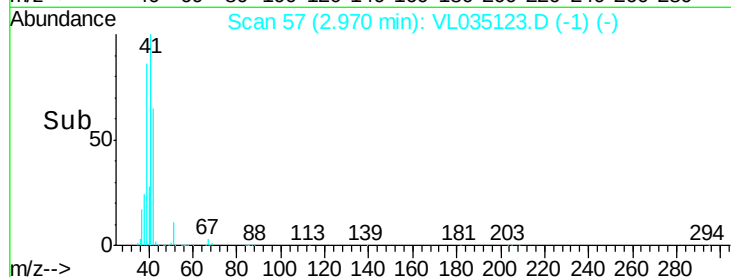
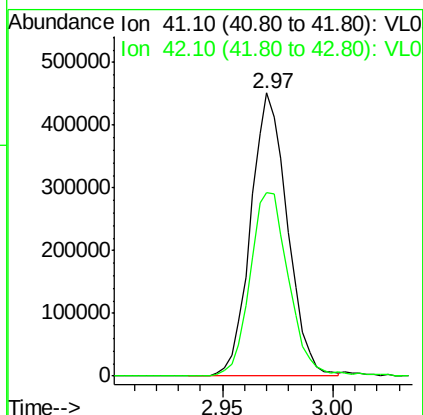
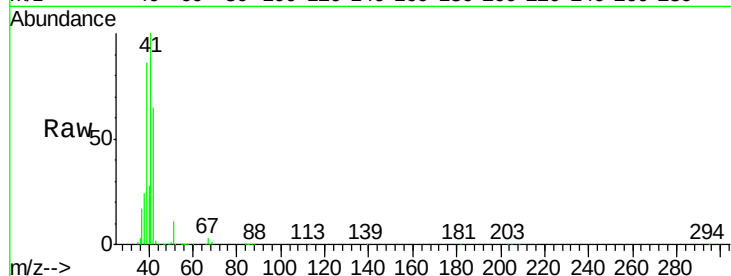
41 100

42 68.9 55.8 83.6

Manual Integrations
APPROVED

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7/2/2020 5:00:28 PM



#10

Heptane

Concen: 10.093 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL035123.D

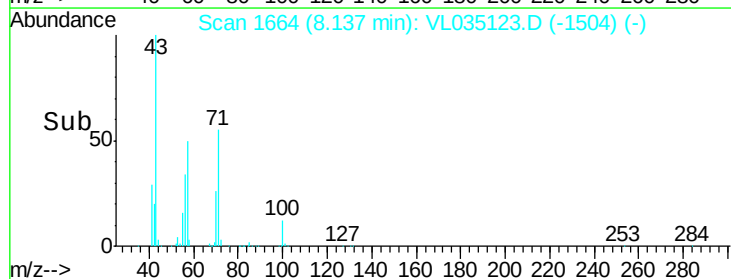
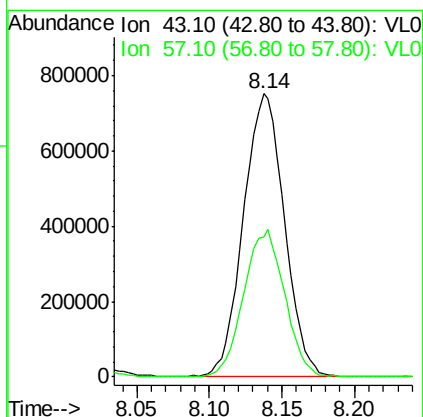
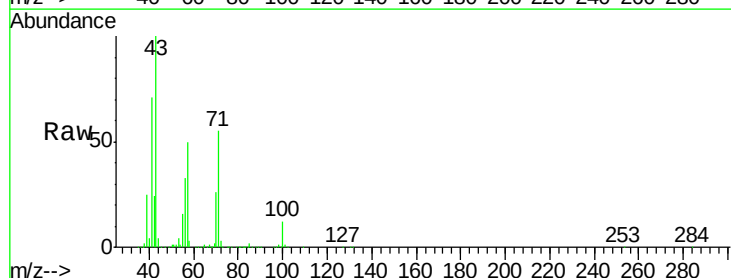
Acq: 30 Jun 2020 13:36

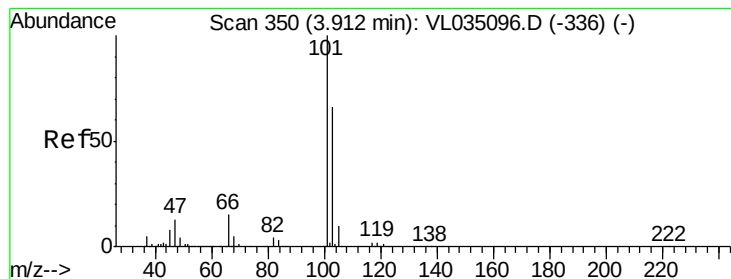
Tgt Ion: 43 Resp: 1468920

Ion Ratio Lower Upper

43 100

57 52.5 41.9 62.9





#11

Trichlorofluoromethane

Concen: 9.811 ppbv

RT: 3.92 min Scan# 353

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion:101 Resp: 1816941

Ion Ratio Lower Upper

101 100

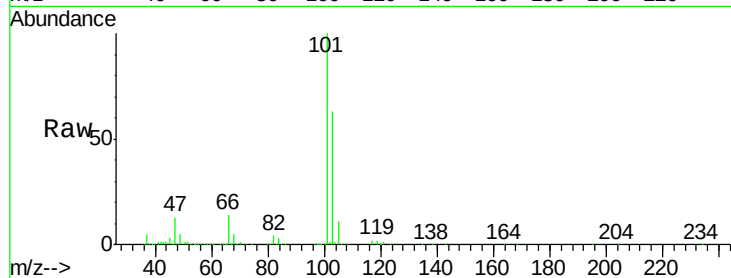
103 62.5 52.6 79.0

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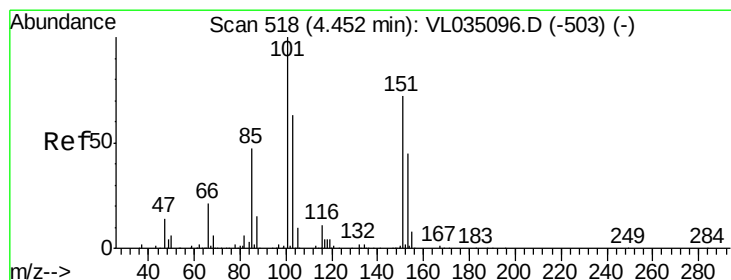
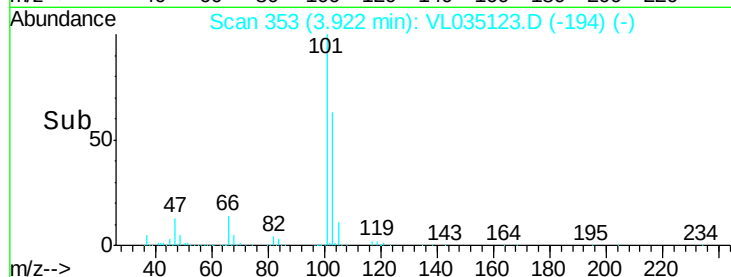
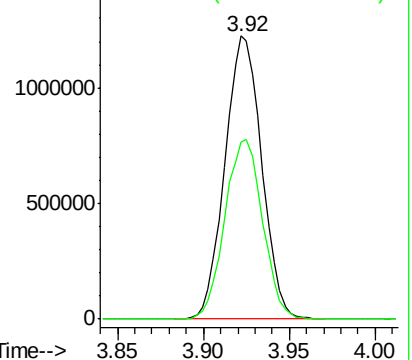
MMDadoda

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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: 9.860 ppbv

RT: 4.47 min Scan# 522

Delta R.T. 0.01 min

Lab File: VL035123.D

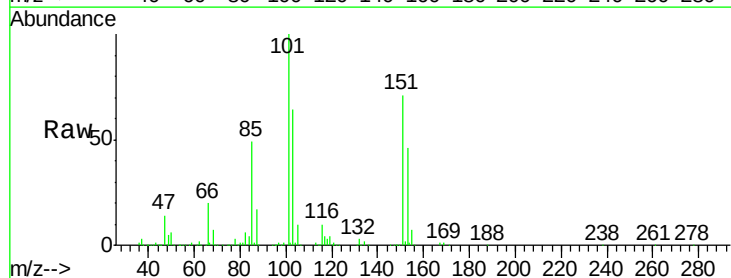
Acq: 30 Jun 2020 13:36

Tgt Ion:101 Resp: 1262645

Ion Ratio Lower Upper

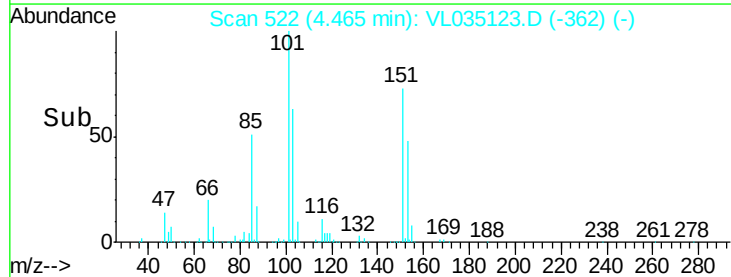
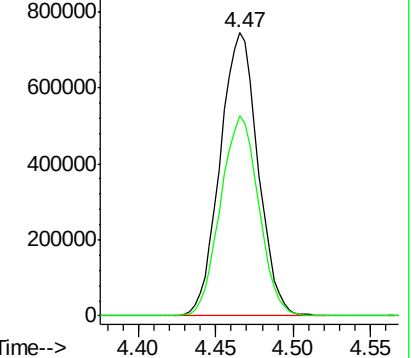
101 100

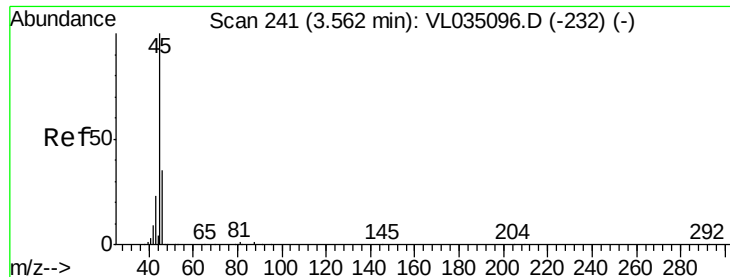
151 71.8 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





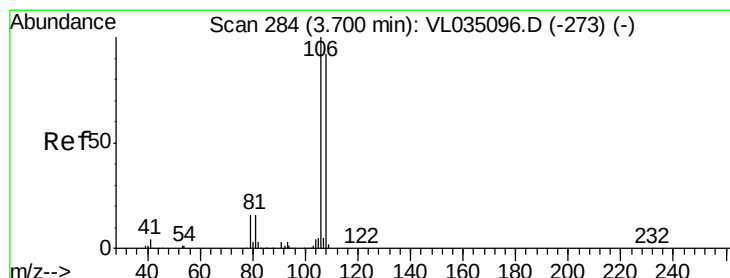
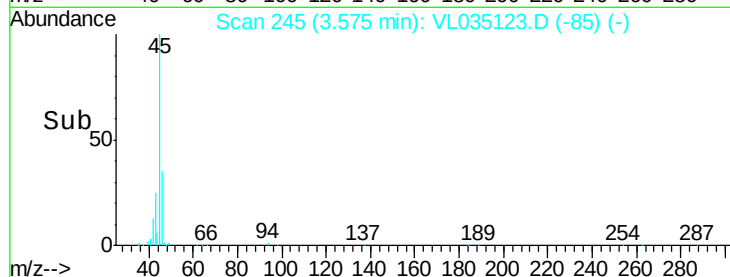
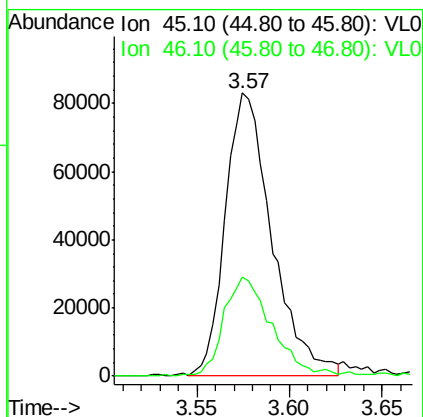
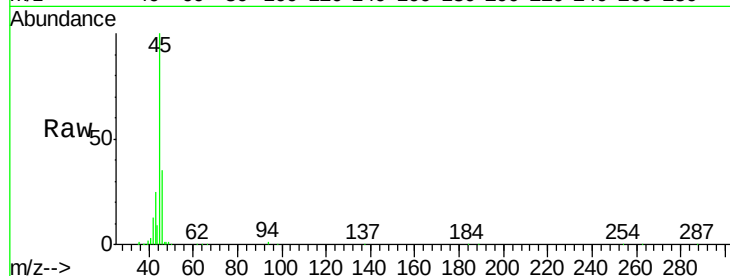
#13
Ethanol
Concen: 6.858 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

Tot Ion: 45 Resp: 145479
Ion Ratio Lower Upper
45 100
46 37.1 14.2 57.0

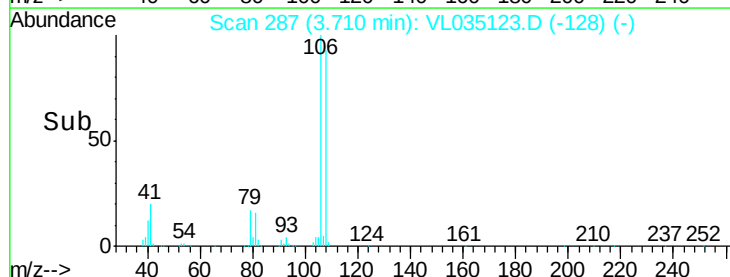
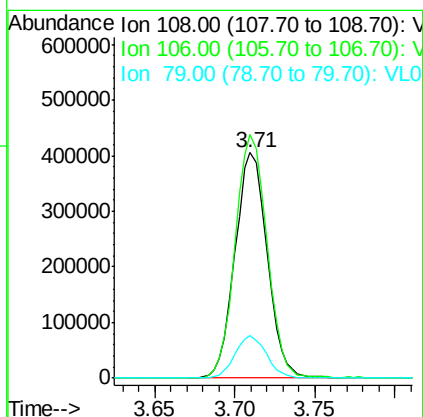
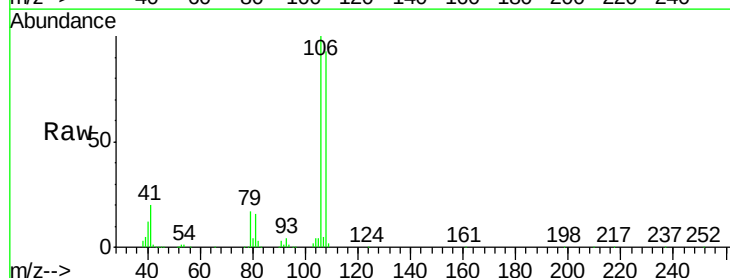
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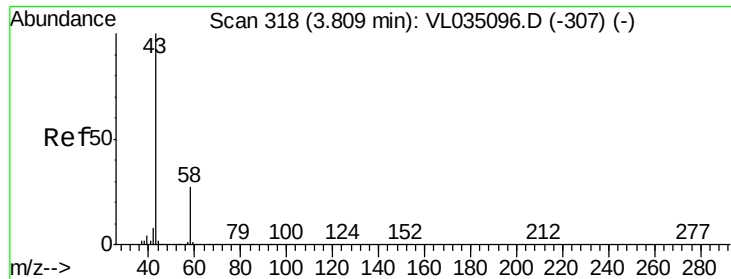
MMDadoda
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#14
Bromoethene
Concen: 10.036 ppbv
RT: 3.71 min Scan# 287
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 108 Resp: 553985
Ion Ratio Lower Upper
108 100
106 107.1 84.4 126.6
79 18.8 14.2 21.2





#15

Acetone

Concen: 8.827 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion: 43 Resp: 1369941

Ion Ratio Lower Upper

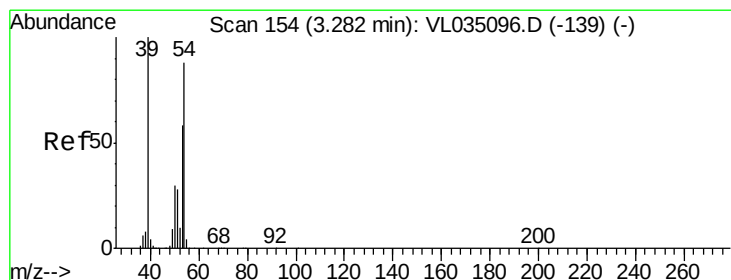
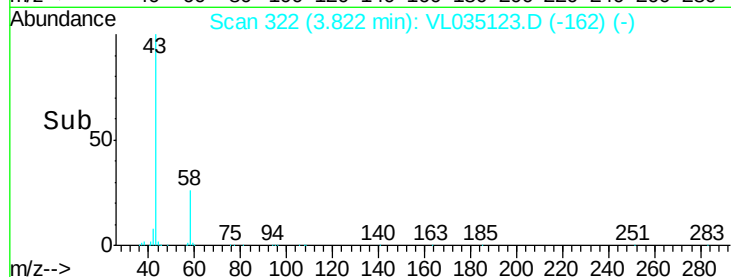
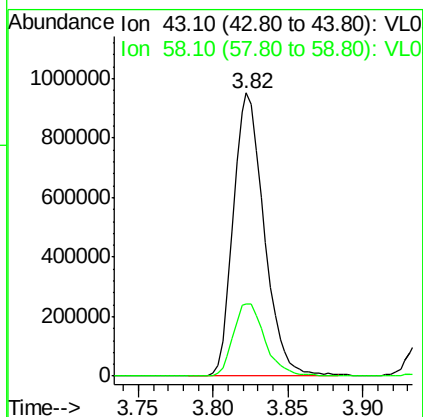
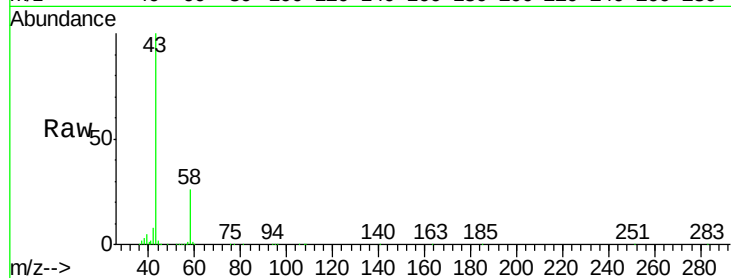
43 100

58 26.3 21.8 32.6

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#16

1,3-Butadiene

Concen: 9.661 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.01 min

Lab File: VL035123.D

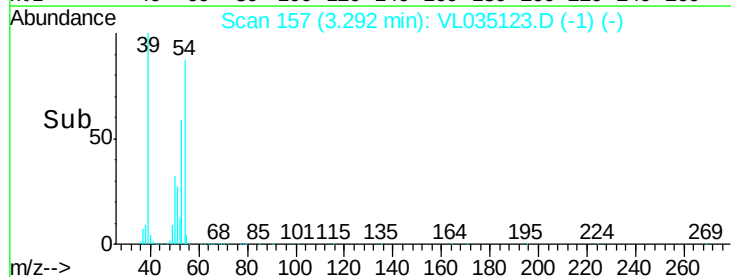
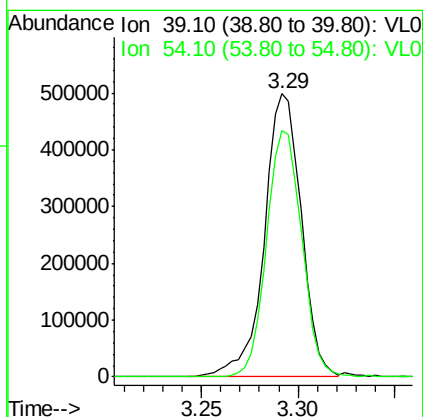
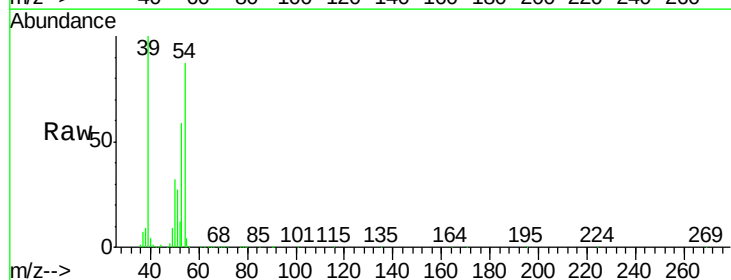
Acq: 30 Jun 2020 13:36

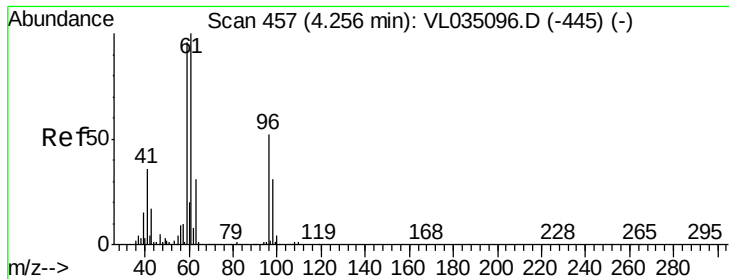
Tgt Ion: 39 Resp: 657637

Ion Ratio Lower Upper

39 100

54 83.8 67.0 100.4





#17

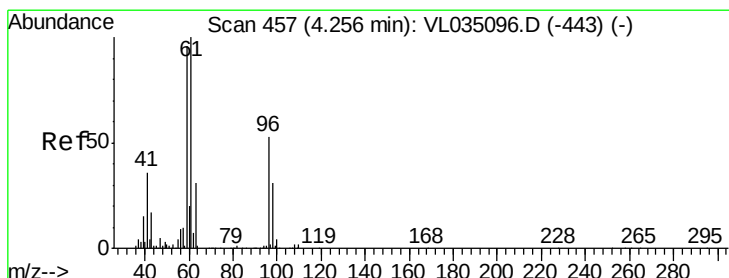
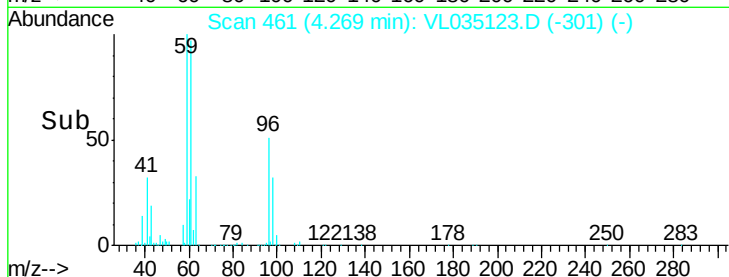
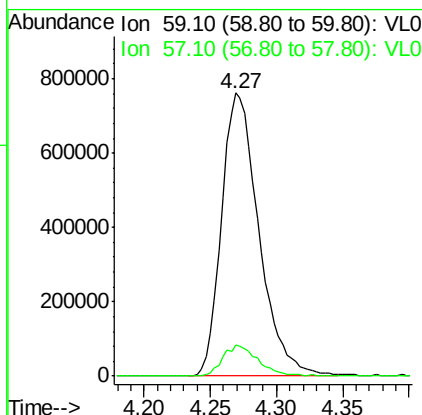
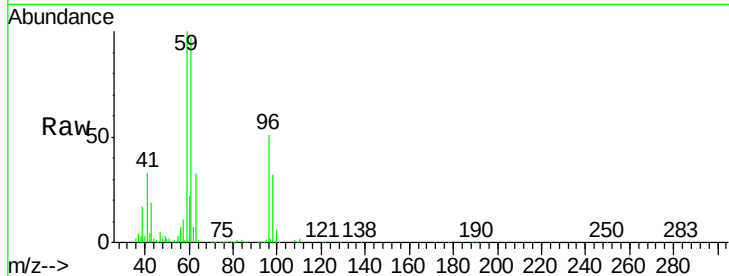
tert-Butyl alcohol
Concen: 10.801 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

Tot Ion: 59 Resp: 1485657
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

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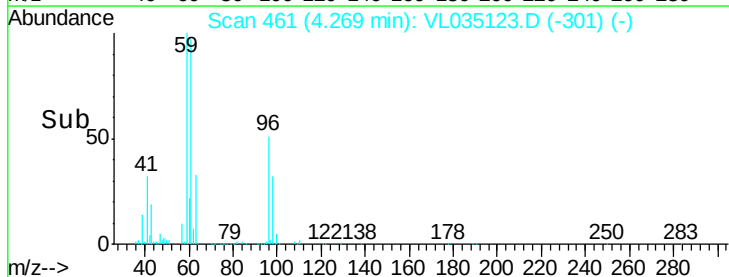
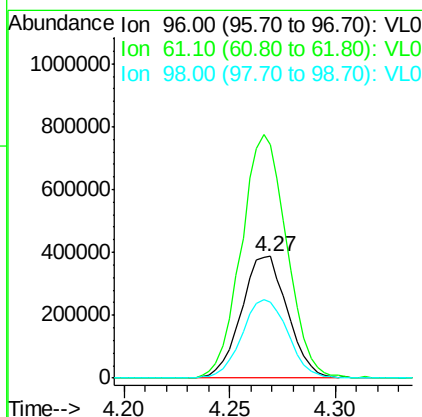
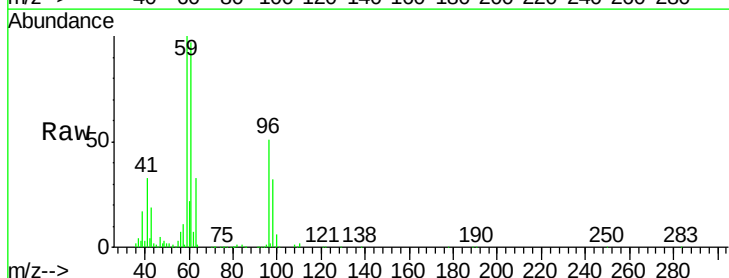
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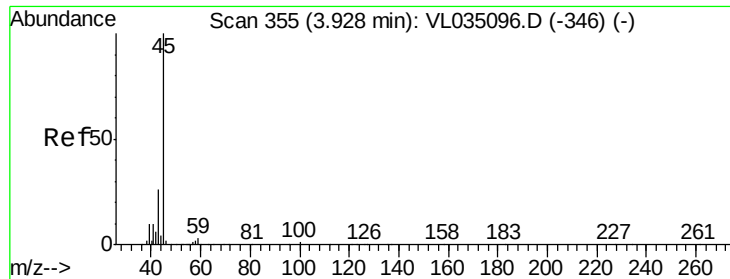


#18

1,1-Dichloroethene
Concen: 10.166 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 96 Resp: 587135
Ion Ratio Lower Upper
96 100
61 191.5 152.2 228.4
98 62.0 47.7 71.5





#19

Isopropyl Alcohol

Concen: 9.793 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion: 45 Resp: 986954

Ion Ratio Lower Upper

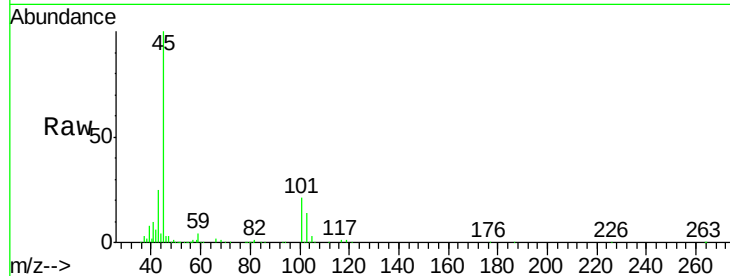
45 100

58 2.1 1.8 2.8

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

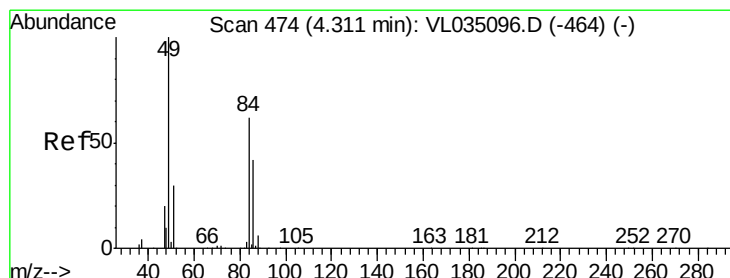
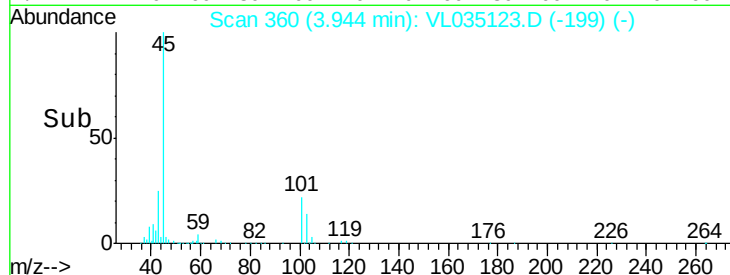
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 8.460 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Tgt Ion: 84 Resp: 531453

Ion Ratio Lower Upper

84 100

49 152.2 128.8 193.2

51 45.2 38.7 58.1

86 63.3 54.1 81.1

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

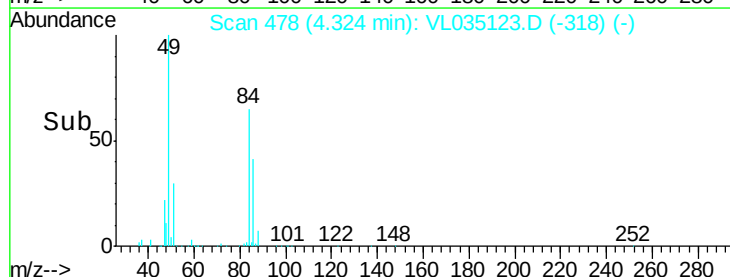
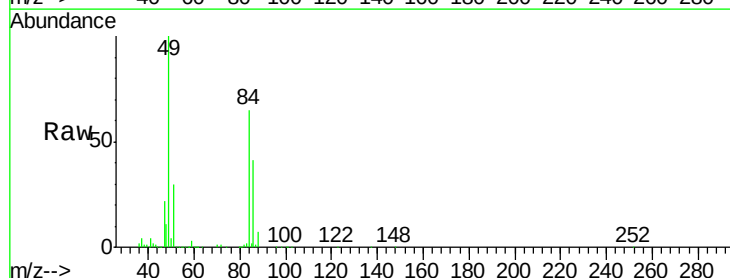
600000

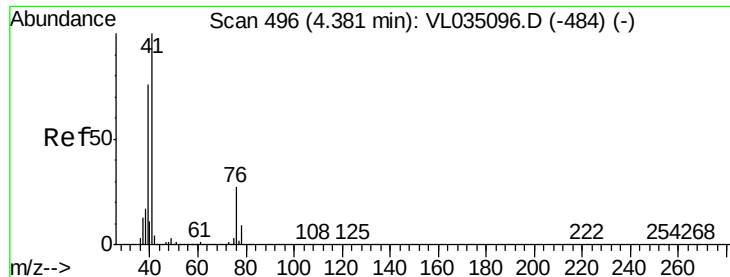
400000

200000

0

Time-->





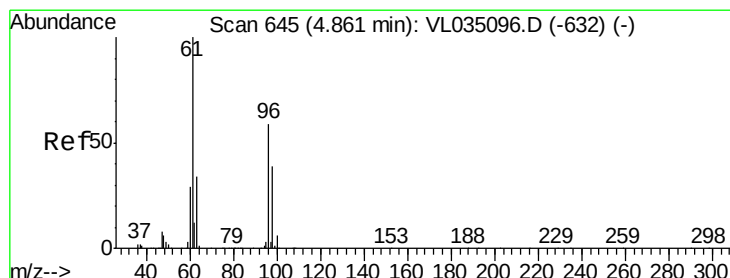
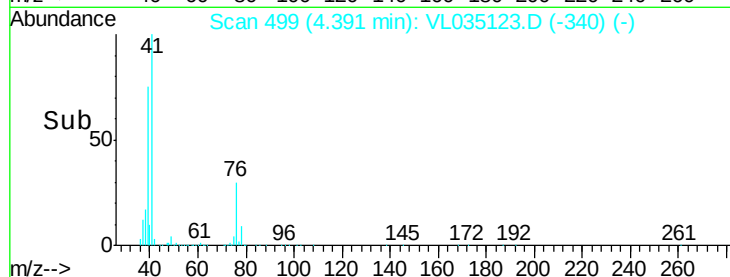
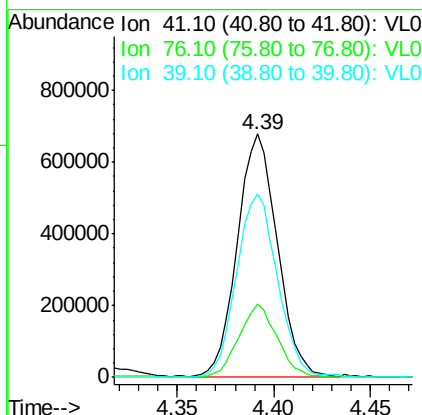
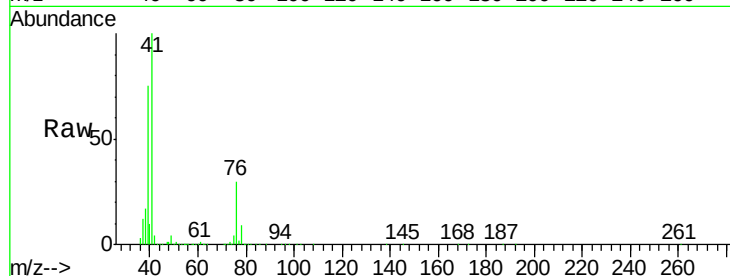
#21
Allvl Chloride
Concen: 10.509 ppbv
RT: 4.39 min Scan# 499
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.1	22.6	34.0
39	78.2	61.6	92.4

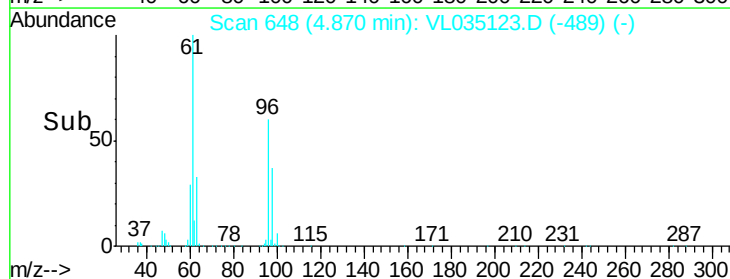
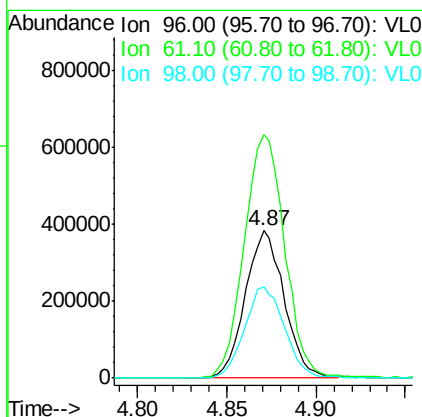
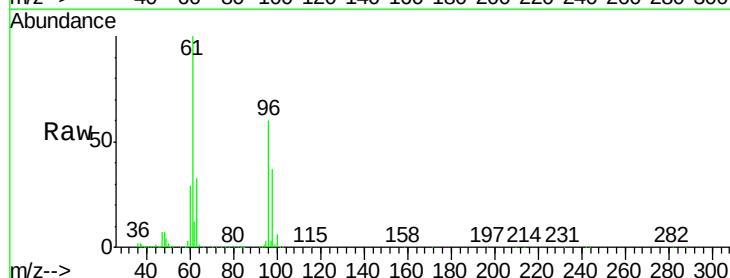
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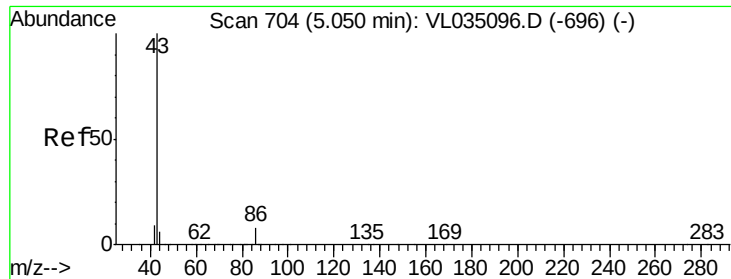
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#22
trans-1,2-Dichloroethene
Concen: 10.825 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.3	134.5	201.7
98	61.7	52.6	79.0





#23

Vinyl Acetate

Concen: 10.020 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL035123.D

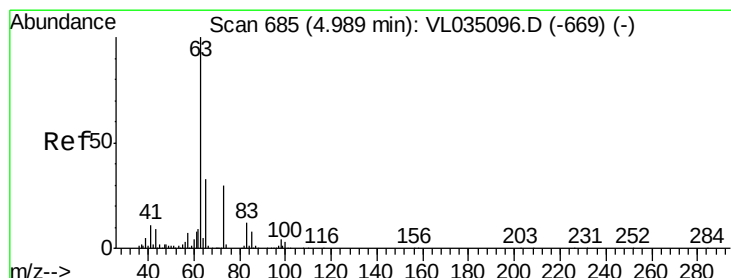
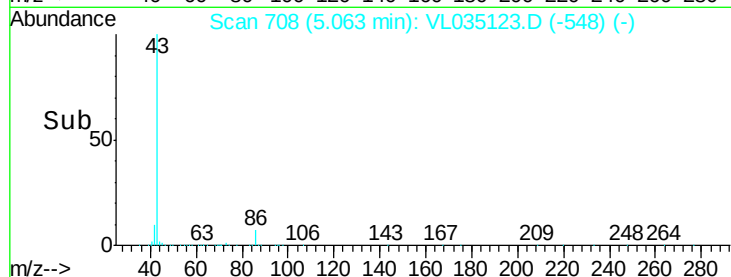
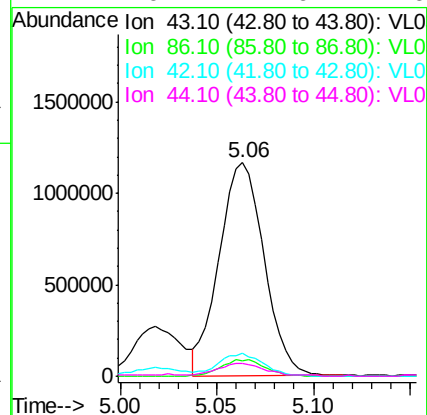
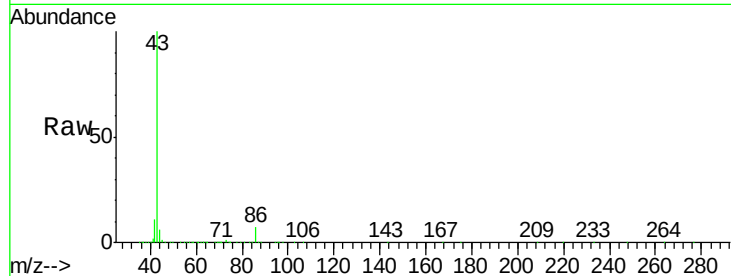
Acq: 30 Jun 2020 13:36

Tot Ion:	43	Resp:	1887637
Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.2	9.2
42	10.4	8.1	12.1
44	6.1	4.6	7.0

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

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#24

1,1-Dichloroethane

Concen: 9.414 ppbv

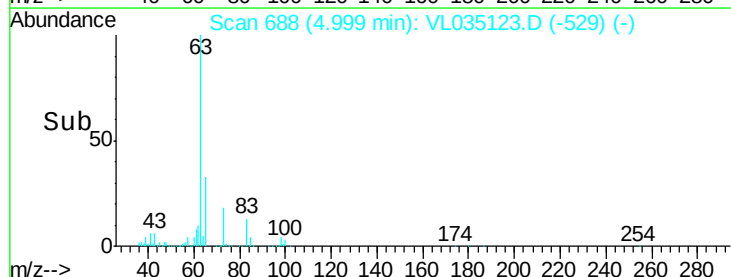
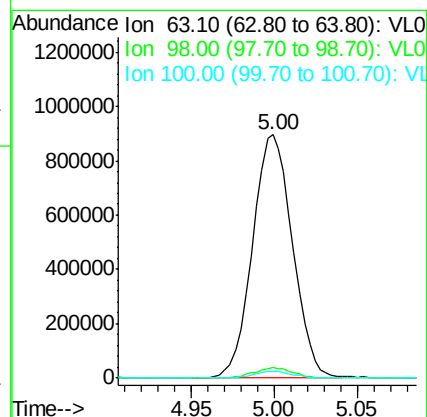
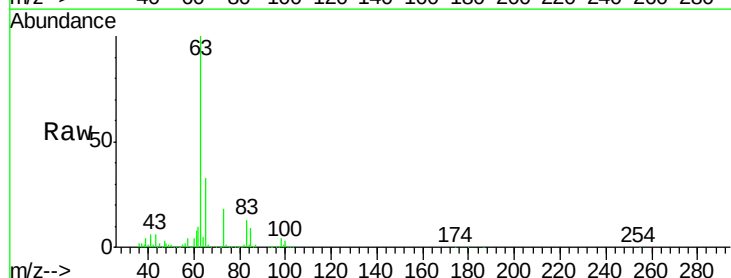
RT: 5.00 min Scan# 688

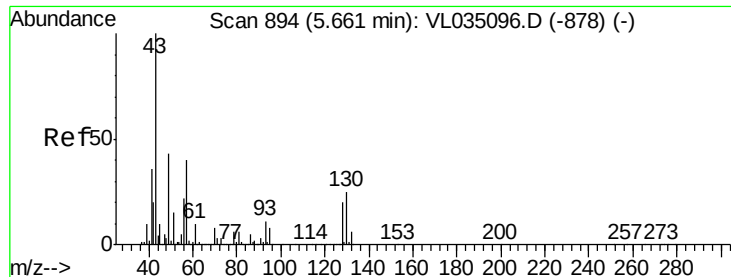
Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Tgt Ion:	63	Resp:	1495252
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.9
100	2.6	1.4	4.0





#25

Ethyl Acetate

Concen: 9.190 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion: 43 Resp: 2574240

Ion Ratio Lower Upper

43 100

45 10.3 8.4 12.6

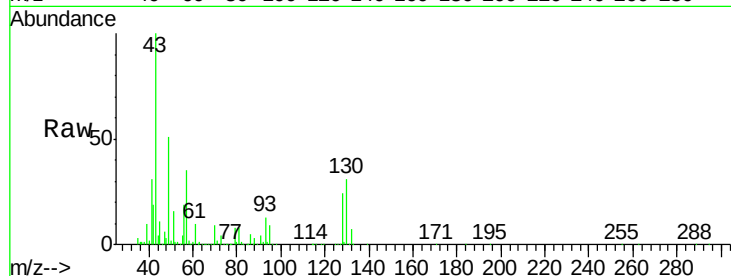
61 10.0 8.0 12.0

70 7.8 6.3 9.5

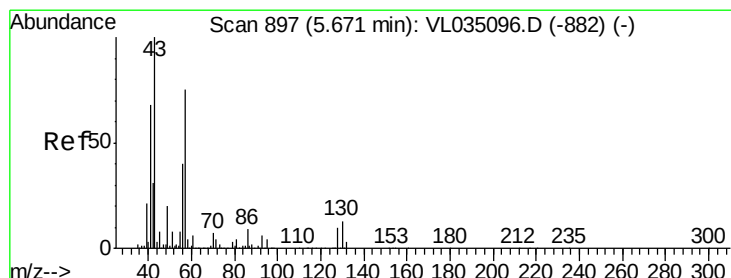
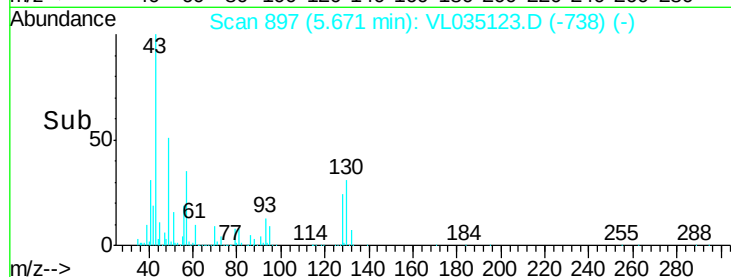
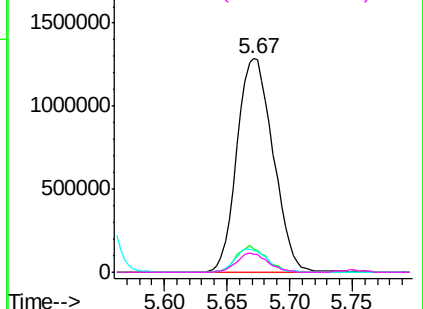
Manual Integrations
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Abundance Ion 43.10 (42.80 to 43.80): VL0
2000000
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.256 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Tgt Ion: 57 Resp: 1168897

Ion Ratio Lower Upper

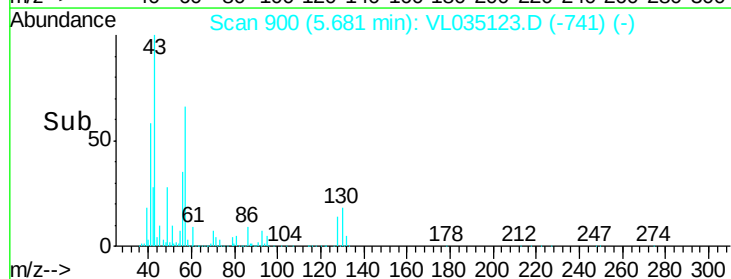
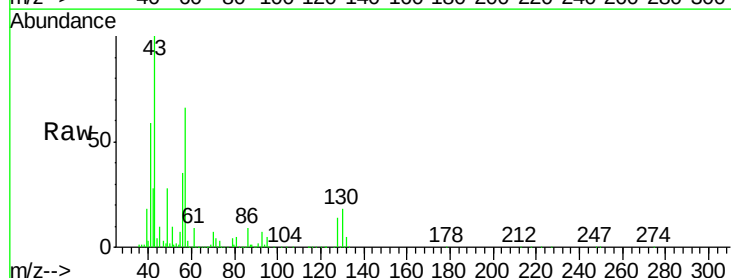
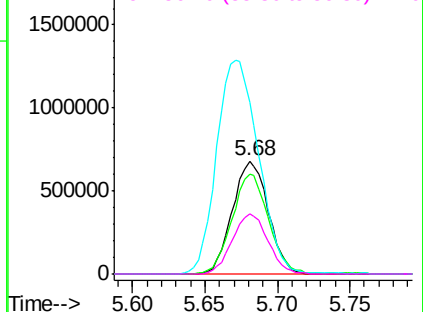
57 100

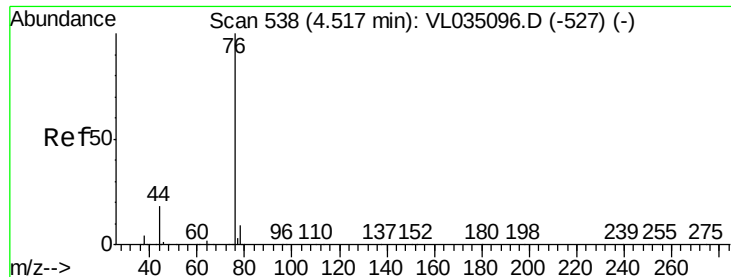
41 90.9 72.9 109.3

43 221.2 181.3 271.9

56 53.1 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: 11.999 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion: 76 Resp: 1568150

Ion Ratio Lower Upper

76 100

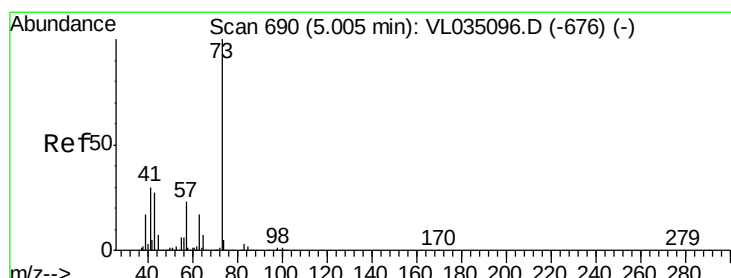
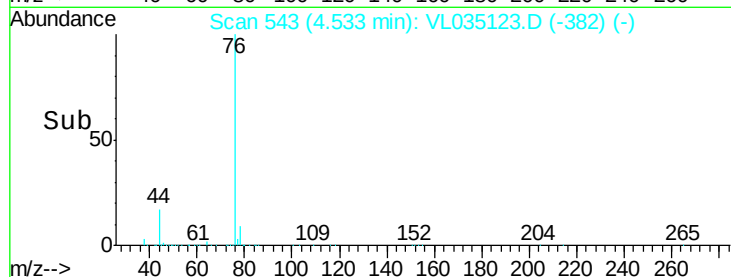
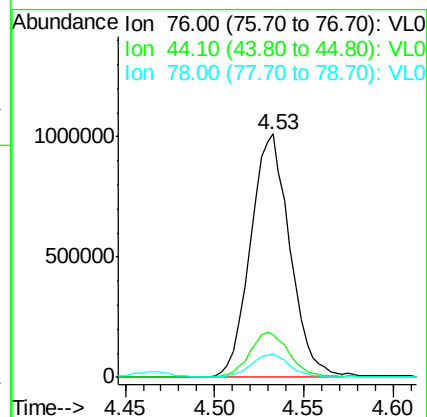
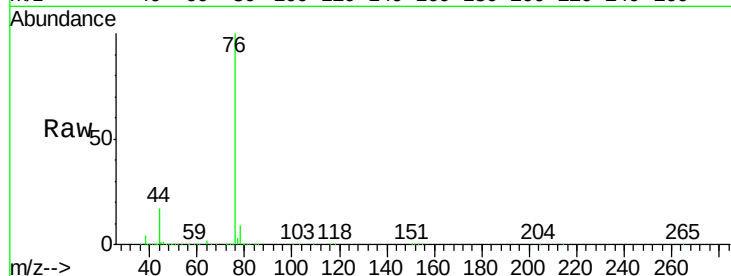
44 18.6 15.8 23.8

78 9.3 7.6 11.4

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#28

Methyl tert-Butyl Ether

Concen: 10.101 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

Lab File: VL035123.D

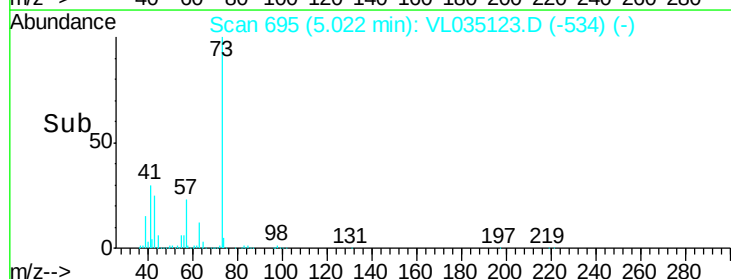
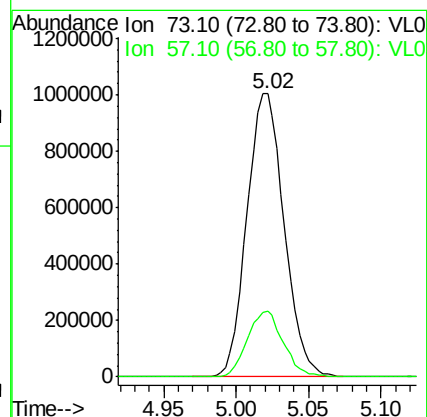
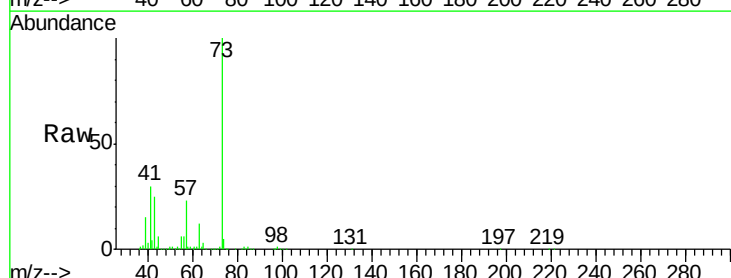
Acq: 30 Jun 2020 13:36

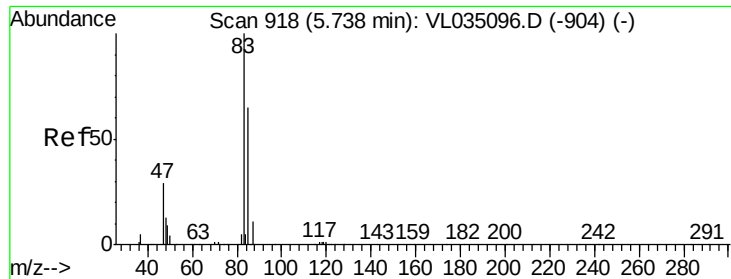
Tgt Ion: 73 Resp: 1792283

Ion Ratio Lower Upper

73 100

57 22.5 18.5 27.7





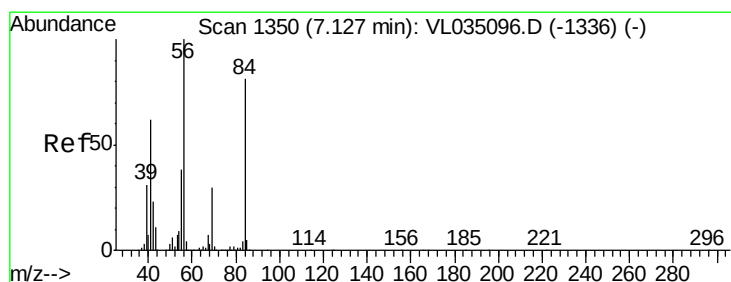
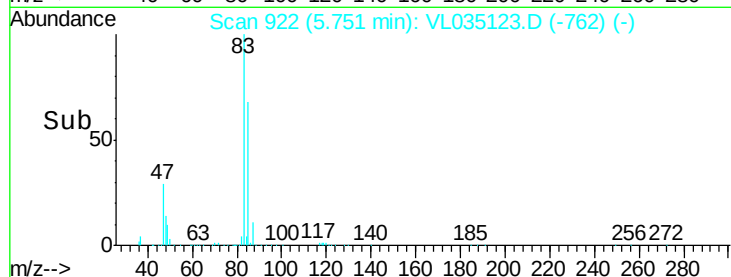
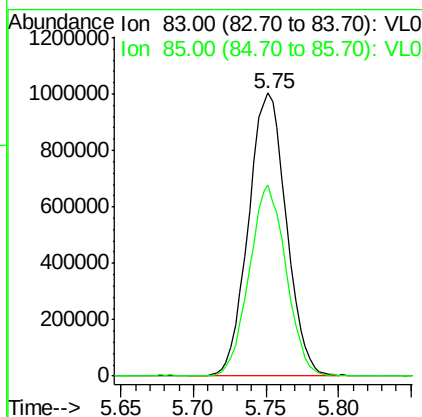
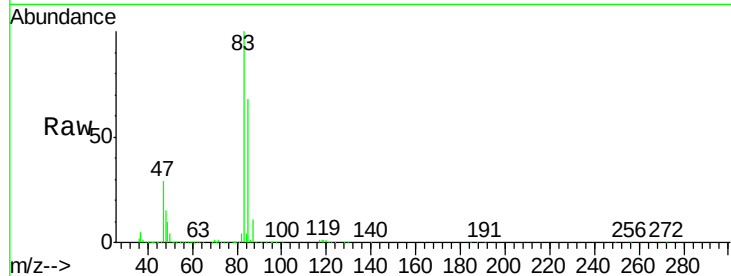
#29
Chloroform
Concen: 9.259 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

Tot Ion: 83 Resp: 1829782
Ion Ratio Lower Upper
83 100
85 67.4 52.1 78.1

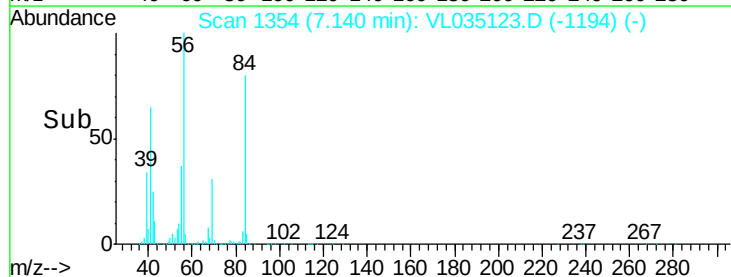
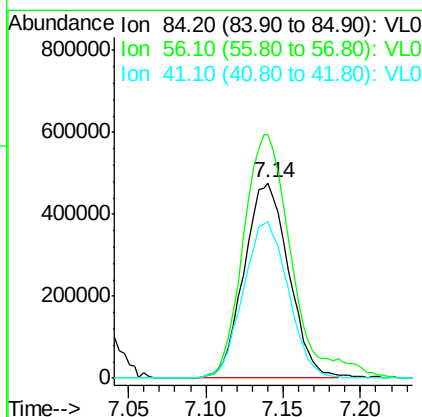
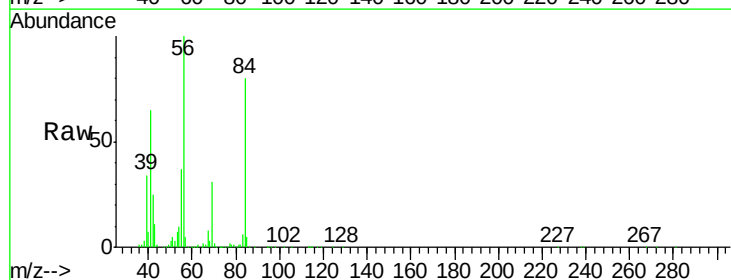
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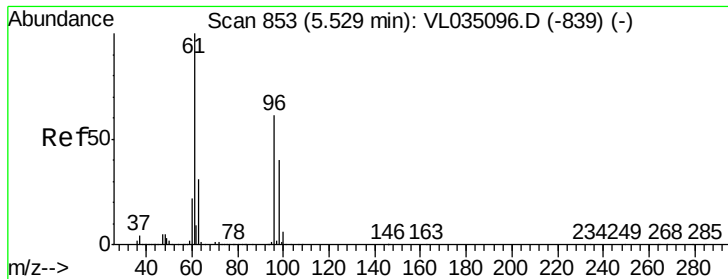
MMDadoda
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#30
Cyclohexane
Concen: 10.551 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 84 Resp: 956313
Ion Ratio Lower Upper
84 100
56 134.7 108.0 162.0
41 80.9 65.6 98.4





#31

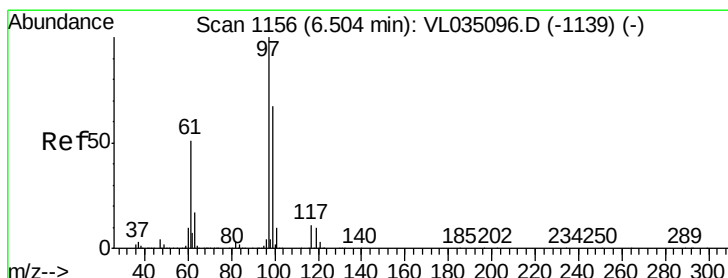
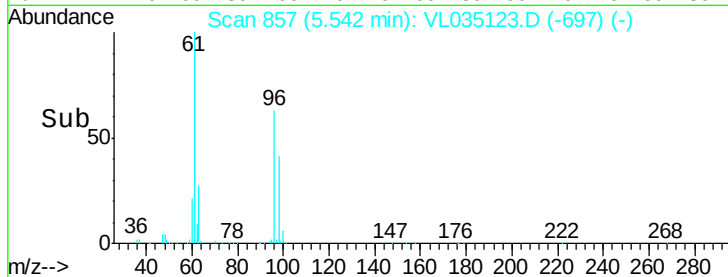
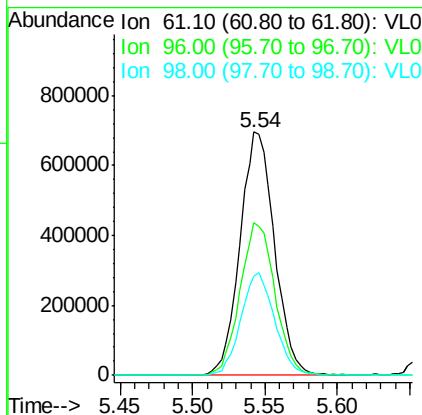
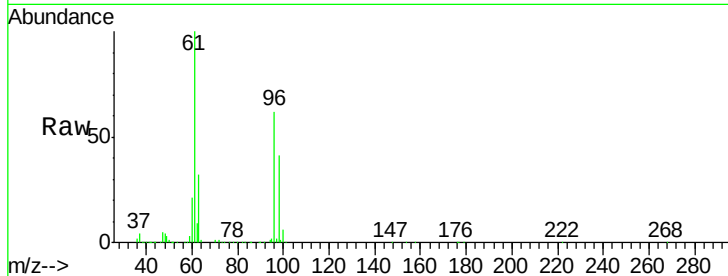
cis-1,2-Dichloroethene
Concen: 9.885 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

Tot Ion: 61 Resp: 1150763
Ion Ratio Lower Upper
61 100
96 62.5 48.8 73.2
98 40.5 31.9 47.9

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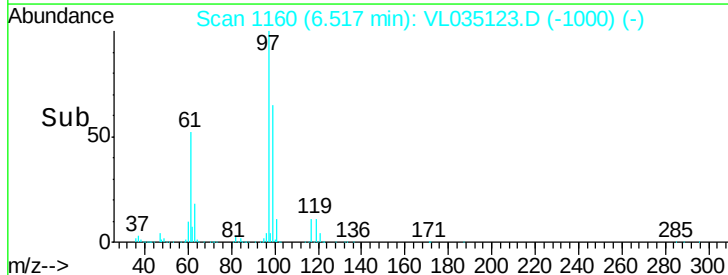
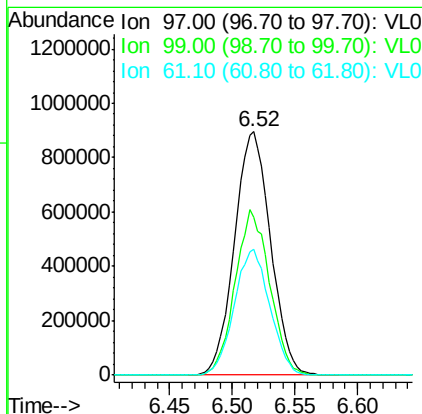
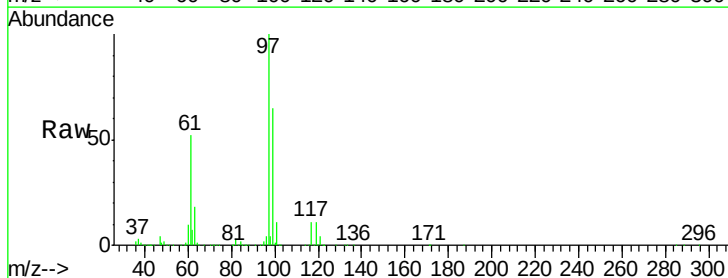
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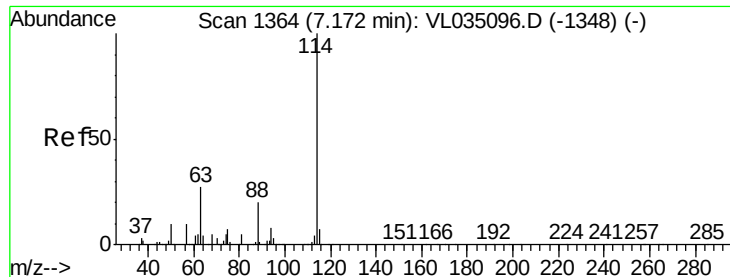


#32

1,1,1-Trichloroethane
Concen: 9.764 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 97 Resp: 1789780
Ion Ratio Lower Upper
97 100
99 65.4 52.0 78.0
61 51.1 41.0 61.6





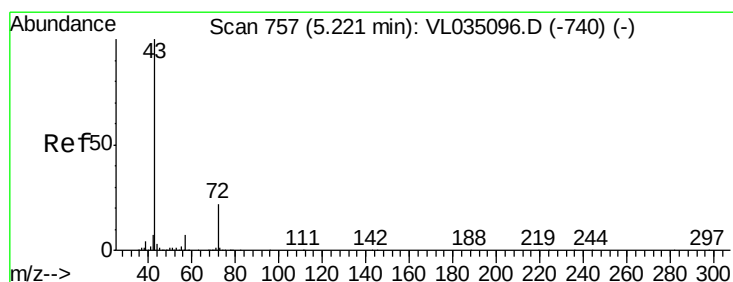
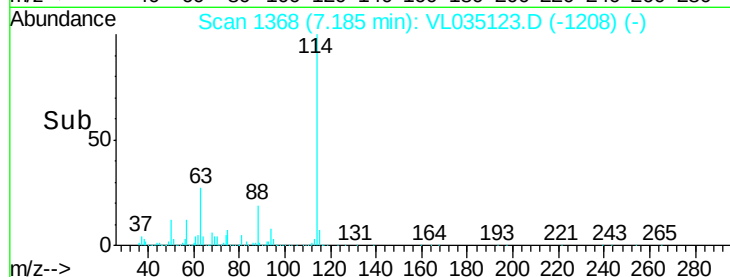
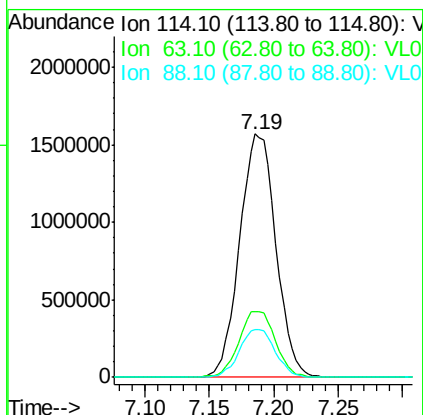
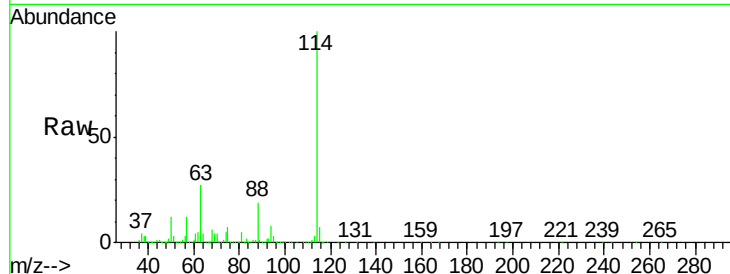
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0630ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.9	32.9
88	19.6	15.6	23.4

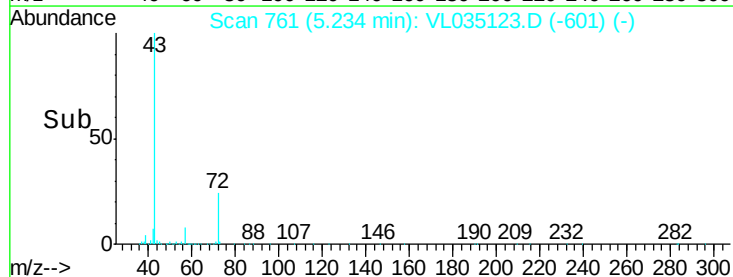
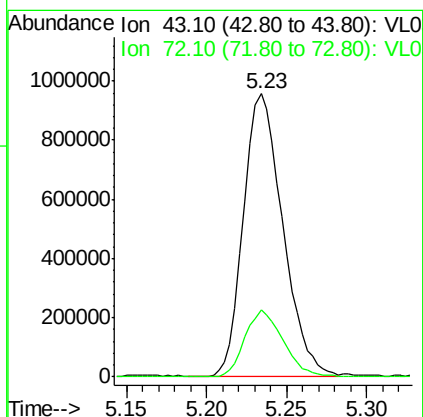
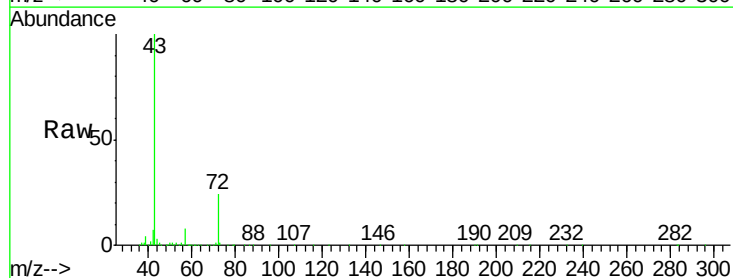
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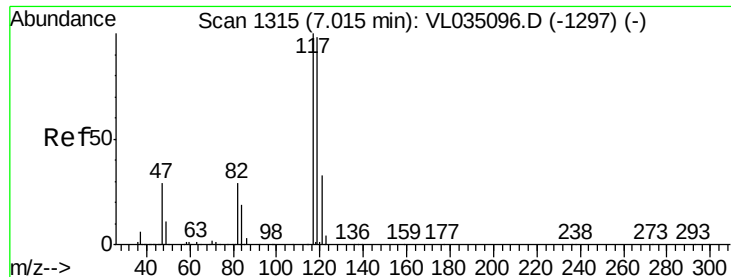
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#34
 2-Butanone
 Concen: 9.075 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.3	27.5





#35

Carbon Tetrachloride

Concen: 10.066 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion:117 Resp: 1853613

Ion Ratio Lower Upper

117 100

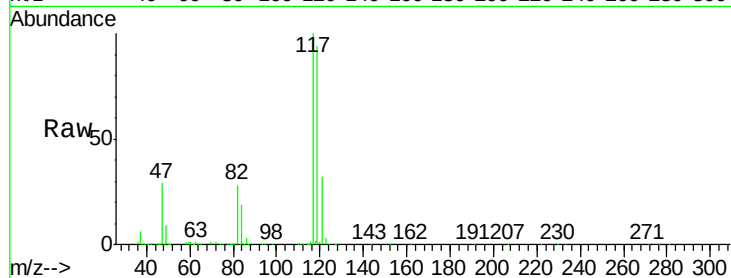
119 94.4 78.3 117.5

121 32.5 26.0 39.0

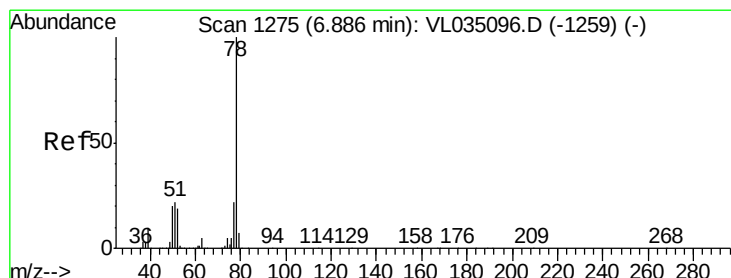
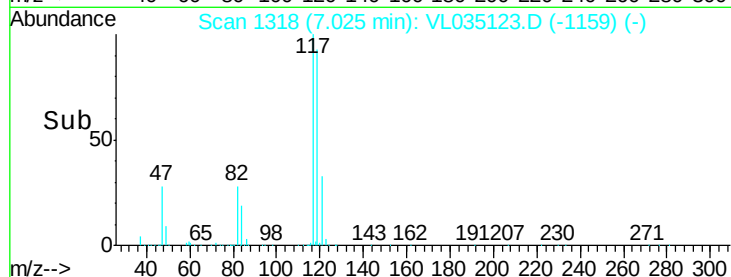
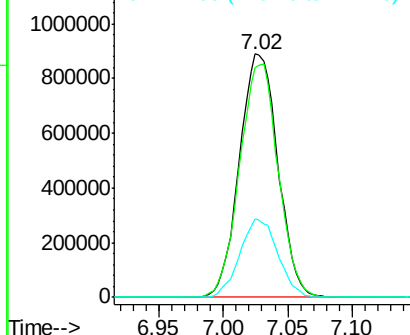
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.473 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

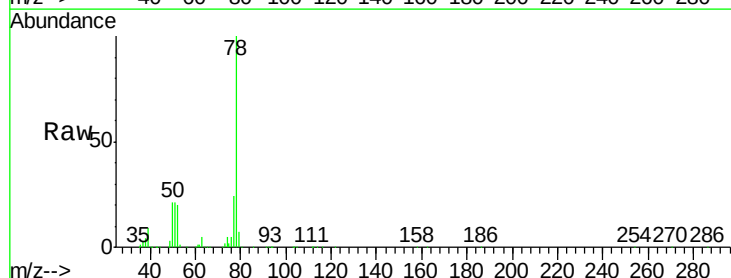
Tgt Ion: 78 Resp: 2252261

Ion Ratio Lower Upper

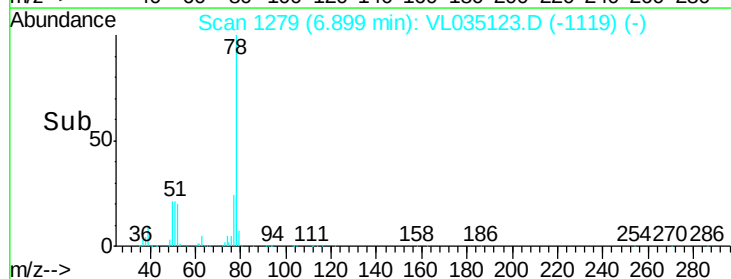
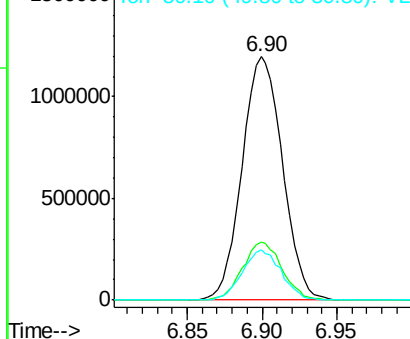
78 100

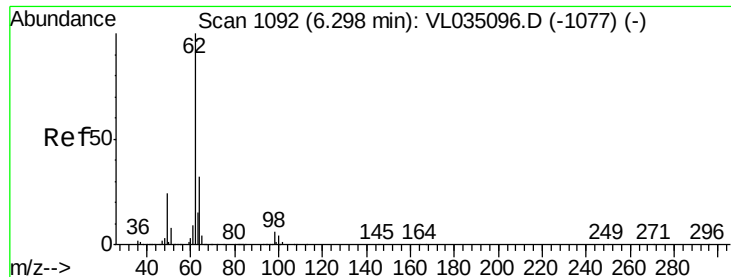
77 23.8 17.8 26.6

50 20.8 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





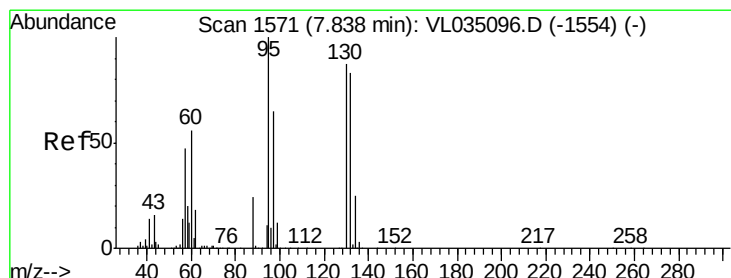
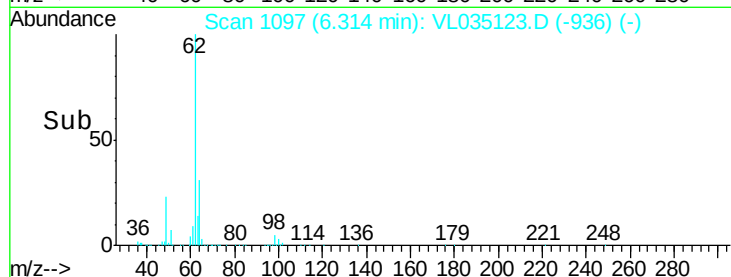
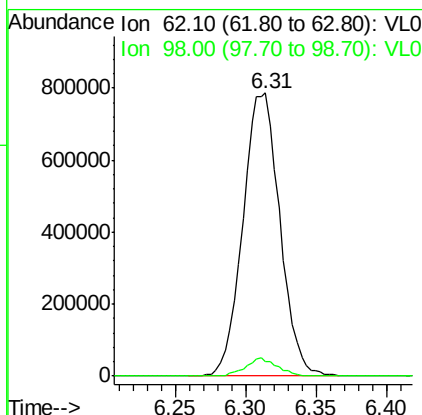
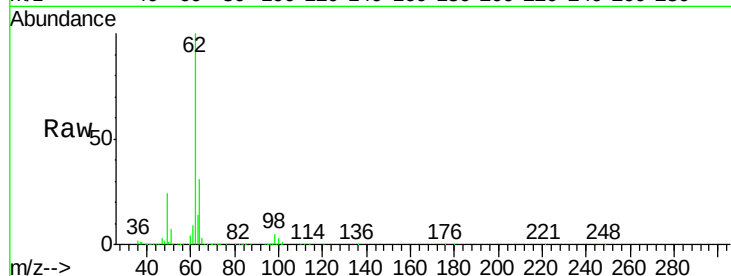
#37
 1,2-Dichloroethane
 Concen: 9.630 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.02 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0630ABS01

Tot Ion: 62 Resp: 1446985
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.8 7.2

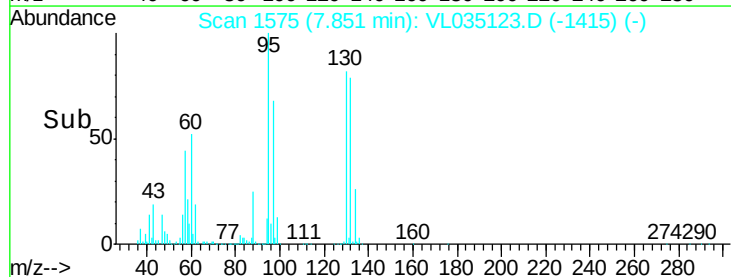
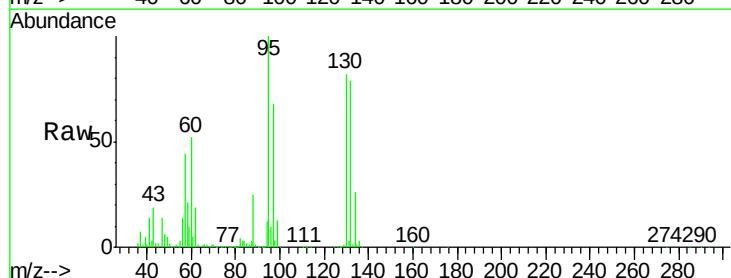
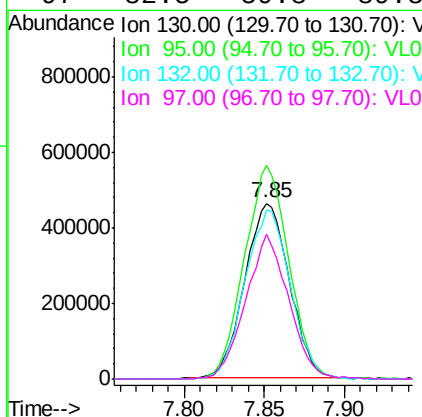
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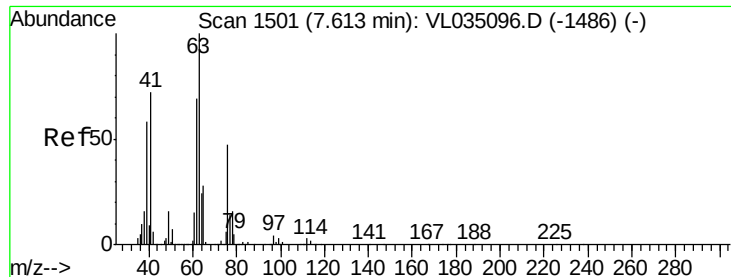
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#38
 Trichloroethene
 Concen: 9.580 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion:130 Resp: 884731
 Ion Ratio Lower Upper
 130 100
 95 122.0 91.4 137.2
 132 96.5 75.8 113.6
 97 82.5 59.8 89.8





#39

1,2-Dichloropropane

Concen: 9.588 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

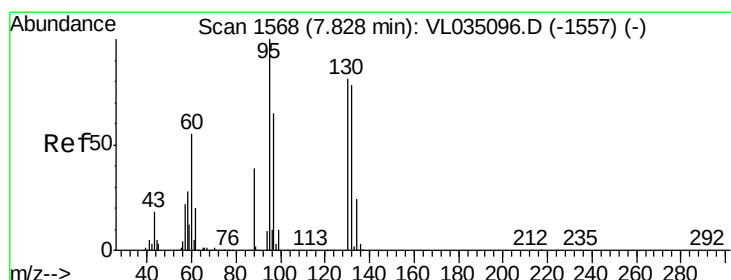
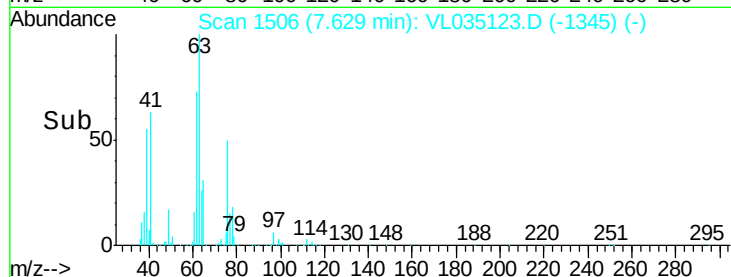
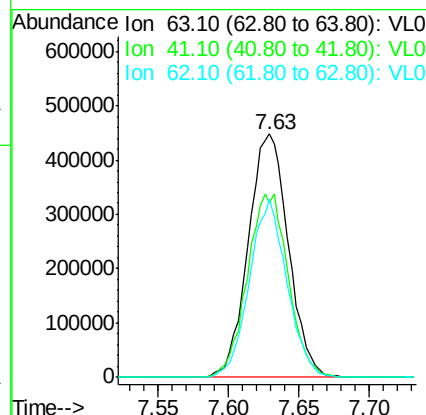
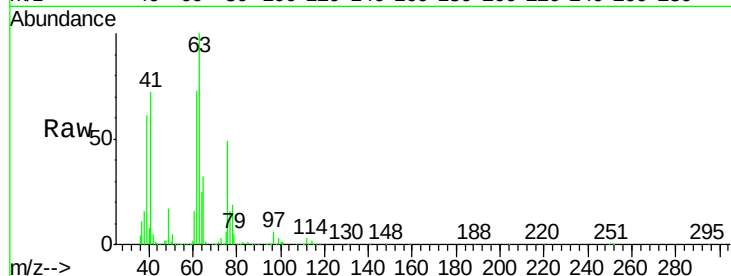
ClientSampleId :

VL0630ABS01

Tot Ion:	63	Resp:	891550
Ion Ratio	Lower	Upper	
63	100		
41	71.5	58.0	87.0
62	73.0	55.4	83.0

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.355 ppbv

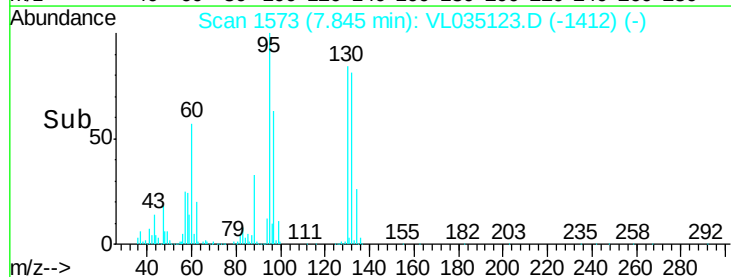
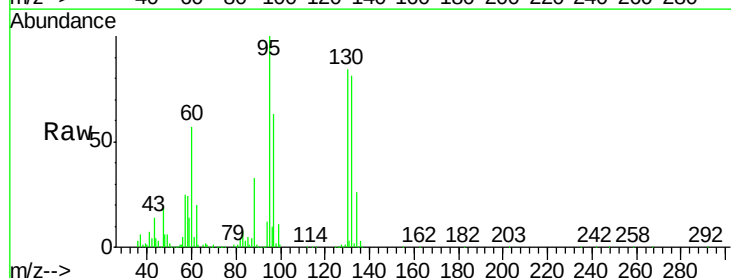
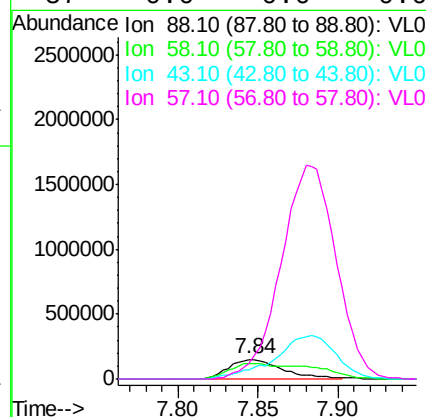
RT: 7.84 min Scan# 1573

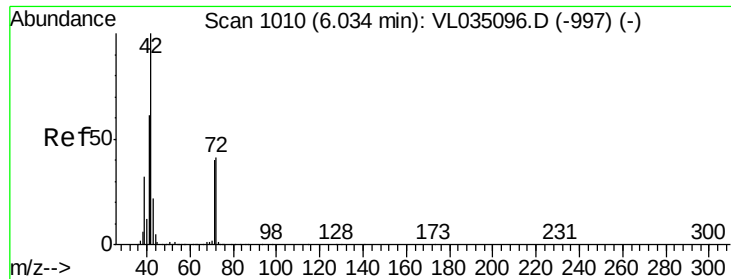
Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Tgt Ion:	88	Resp:	343141
Ion Ratio	Lower	Upper	
88	100		
58	130.9	110.2	165.4
43	0.0	0.0	0.0
57	0.0	0.0	0.0





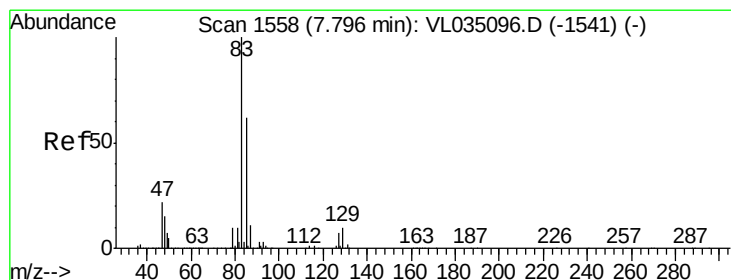
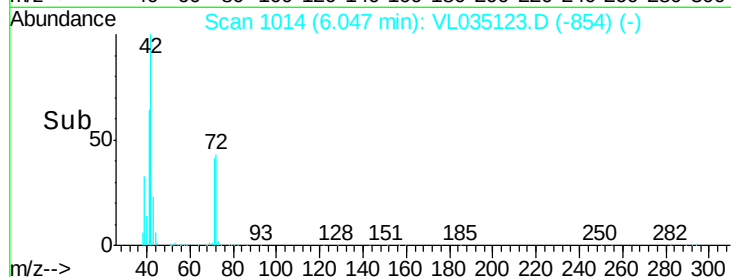
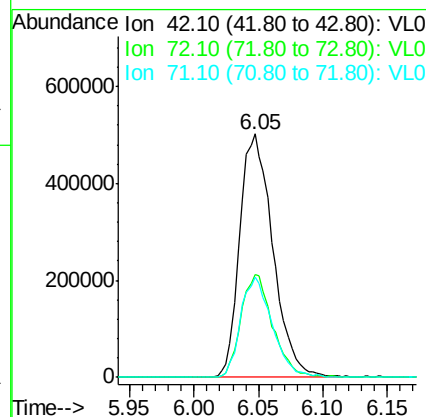
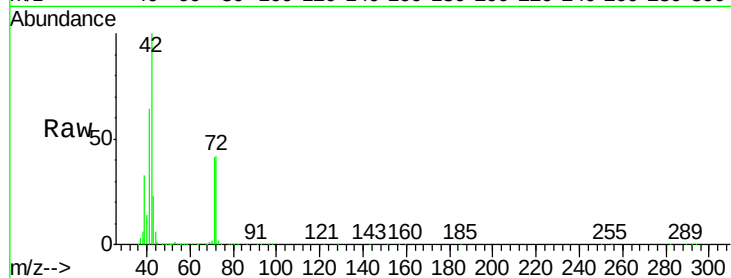
#41
Tetrahydrofuran
Concen: 9.994 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.4	50.2
71	39.3	31.8	47.6

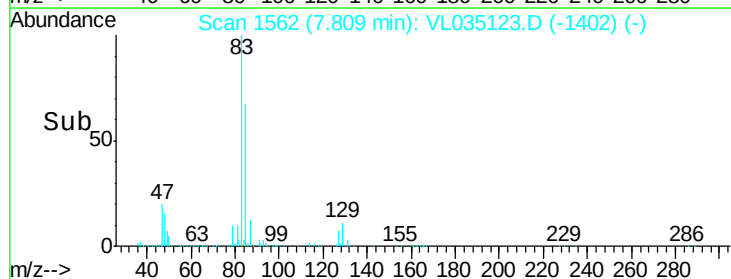
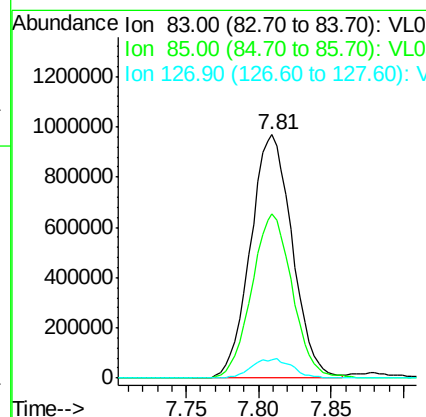
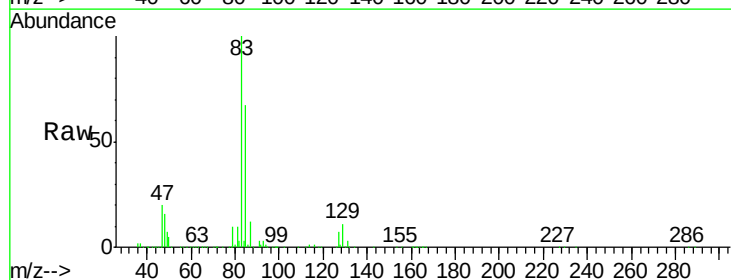
Manual Integrations
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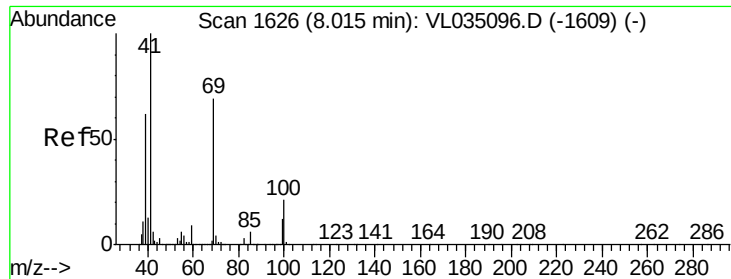
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#42
Bromodichloromethane
Concen: 9.960 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	49.4	74.0
127	7.5	5.9	8.9





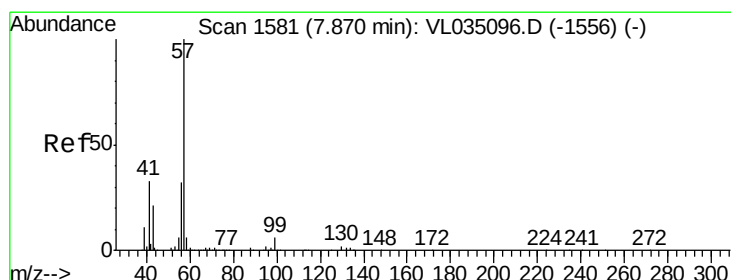
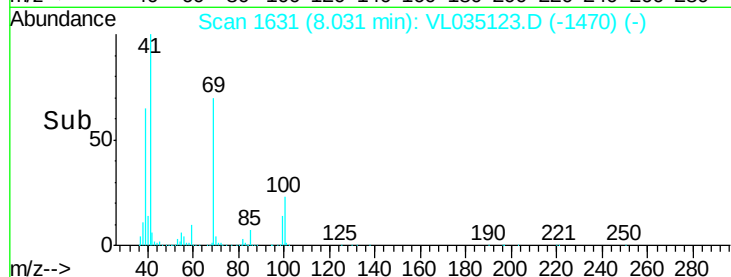
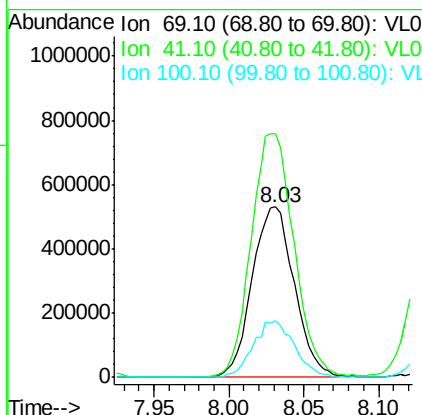
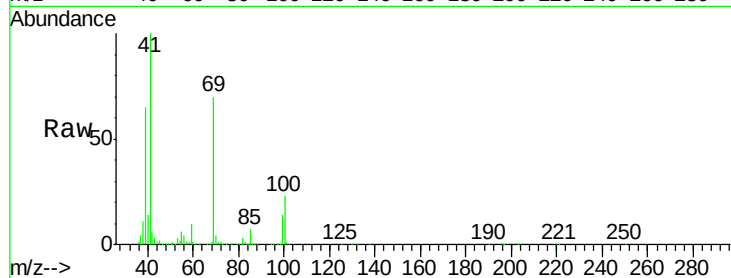
#43
Methyl Methacrylate
Concen: 10.334 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.02 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

Tot Ion: 69 Resp: 1039988
Ion Ratio Lower Upper
69 100
41 145.3 116.4 174.6
100 32.5 25.3 37.9

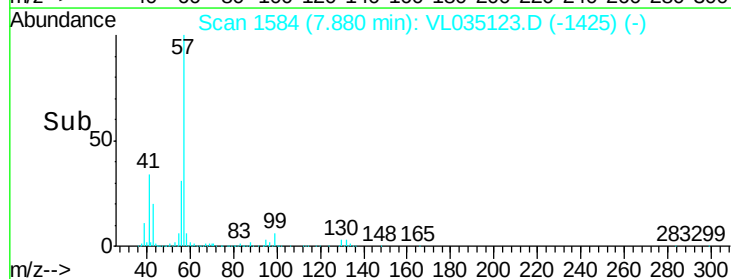
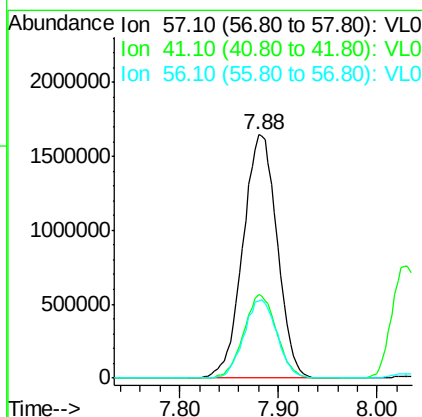
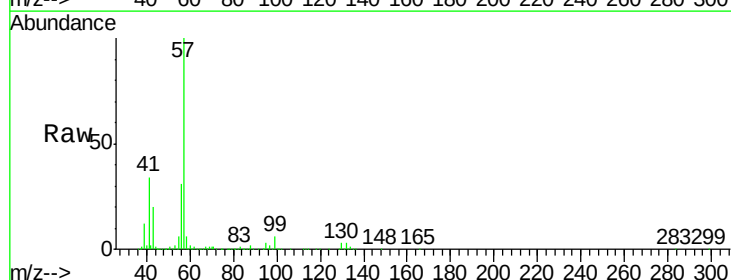
Manual Integrations
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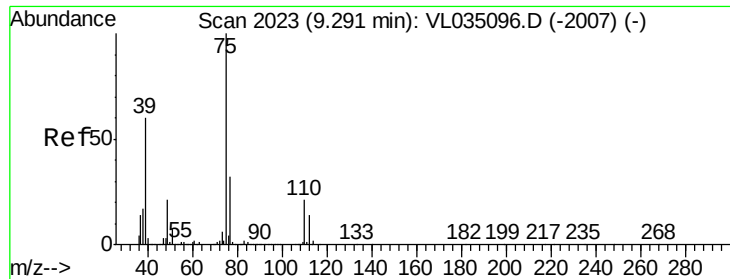
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.521 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 57 Resp: 3951128
Ion Ratio Lower Upper
57 100
41 33.0 26.2 39.2
56 31.1 25.4 38.2





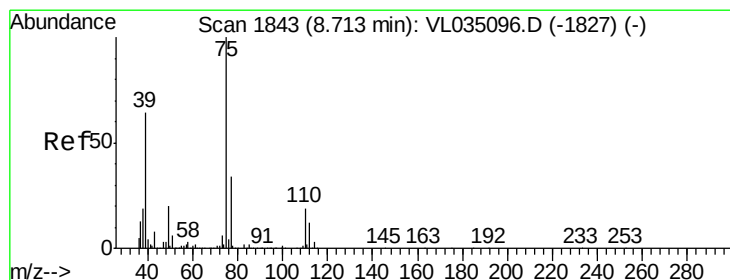
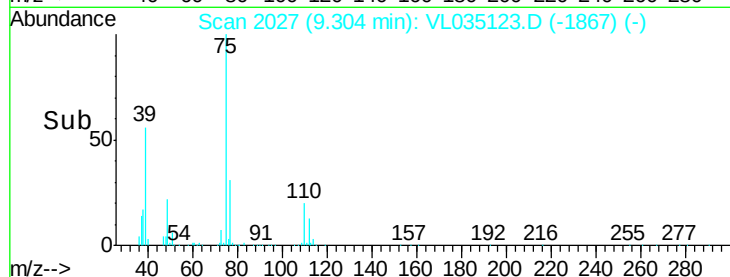
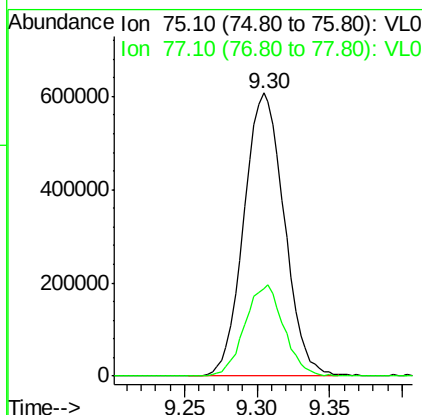
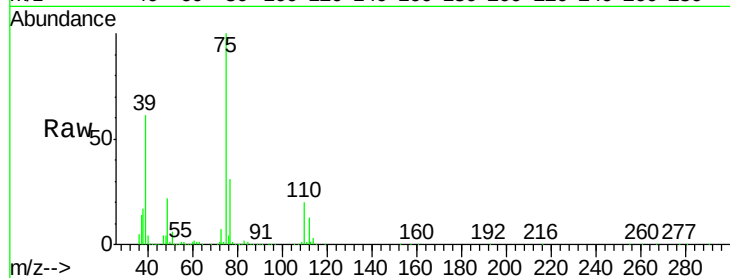
#45
t-1,3-Dichloropropene
Concen: 12.026 ppbv
RT: 9.30 min Scan# 2027
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

Tot Ion: 75 Resp: 1177843
Ion Ratio Lower Upper
75 100
77 30.8 25.5 38.3

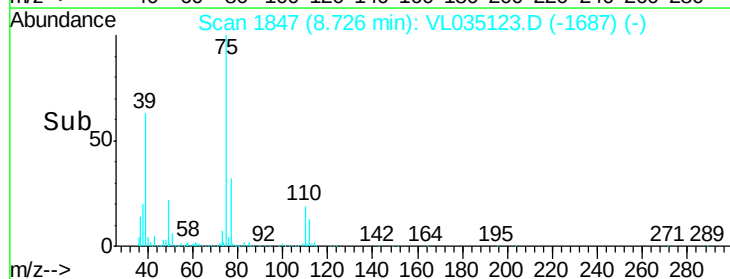
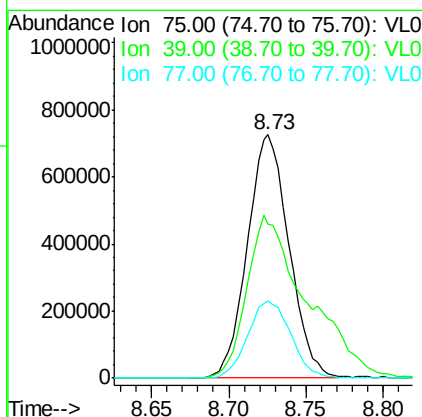
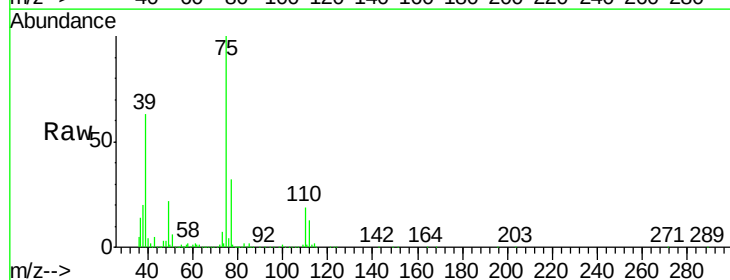
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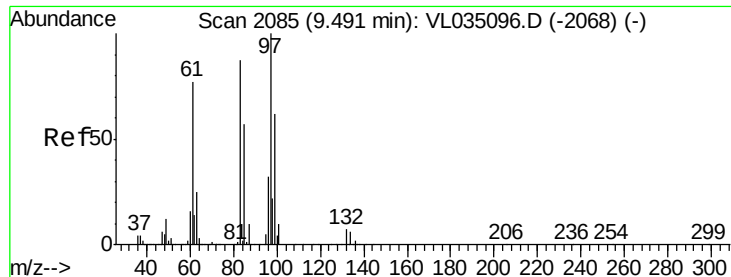
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.179 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 75 Resp: 1360123
Ion Ratio Lower Upper
75 100
39 63.1 51.1 76.7
77 31.7 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 9.436 ppbv

RT: 9.50 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

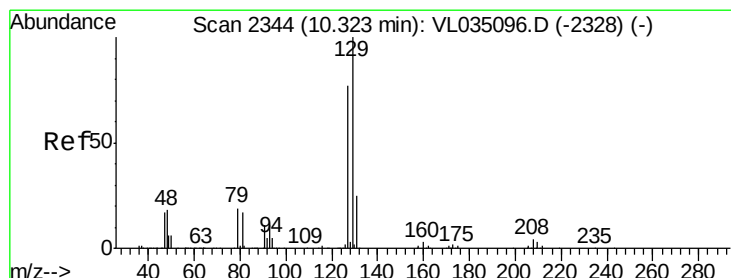
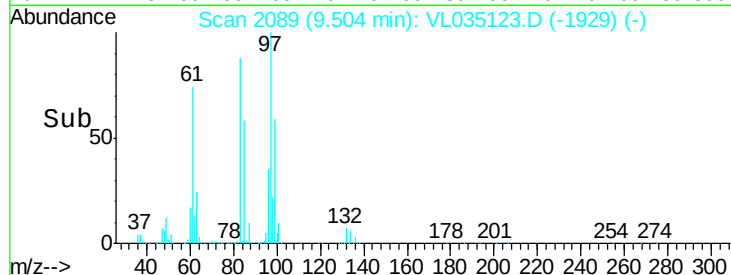
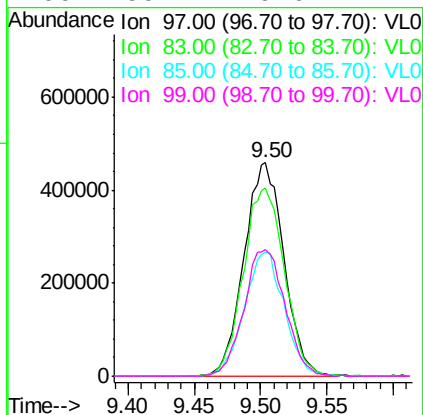
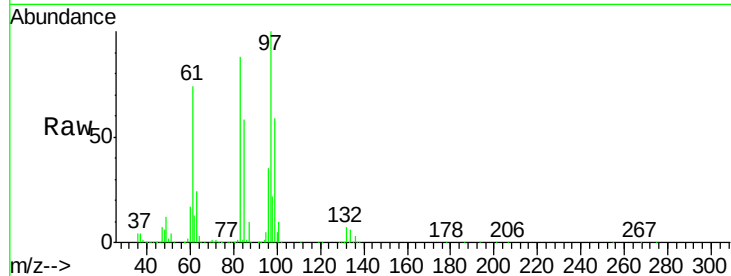
ClientSampleId :

VL0630ABS01

Tot Ion:	97	Resp:	957651
Ion Ratio	Lower	Upper	
97	100		
83	87.8	69.5	104.3
85	58.0	46.0	69.0
99	59.1	49.6	74.4

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#48

Dibromochloromethane

Concen: 10.493 ppbv

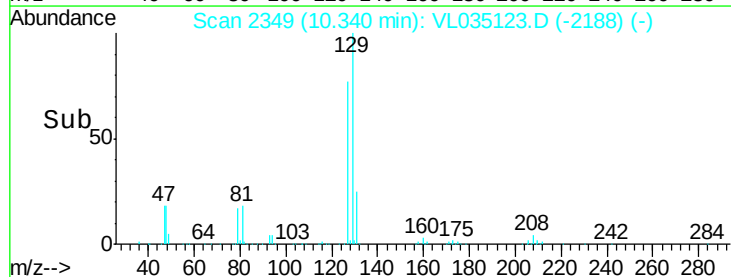
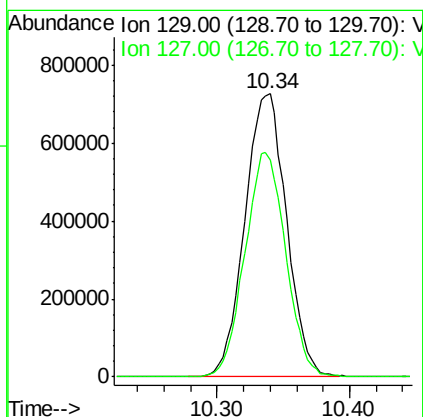
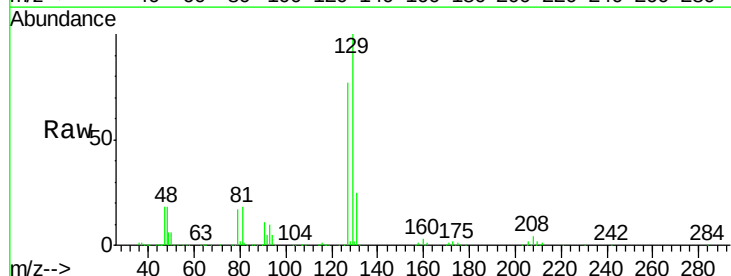
RT: 10.34 min Scan# 2349

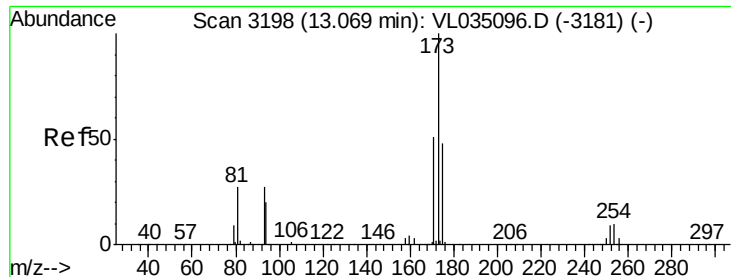
Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Tgt Ion:	129	Resp:	1587581
Ion Ratio	Lower	Upper	
129	100		
127	77.7	39.3	117.8





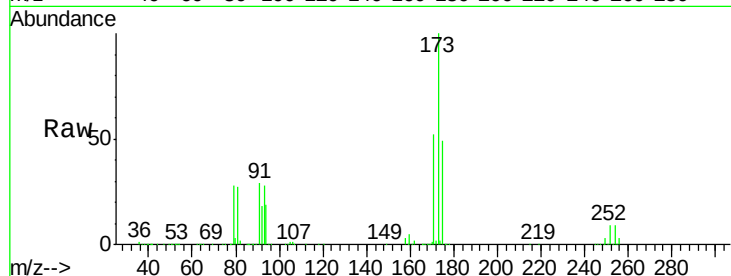
#49
Bromoform
Concen: 10.330 ppbv
RT: 13.09 min Scan# 3203
Delta R.T. 0.02 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

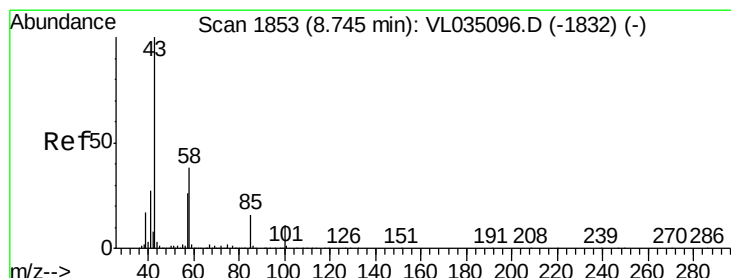
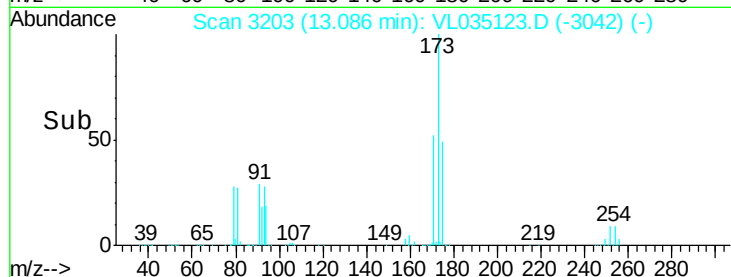
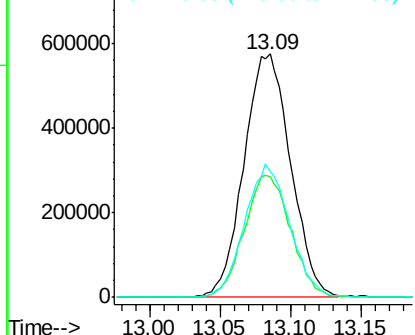
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.1	58.7
171	52.9	41.7	62.5

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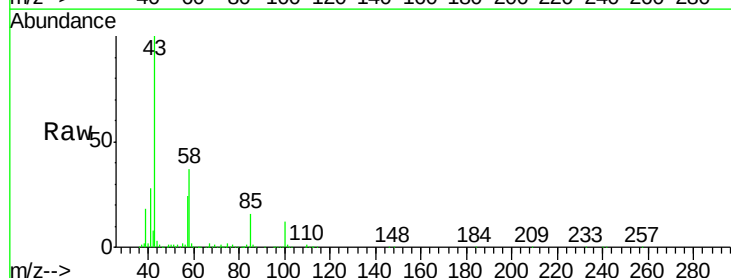


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

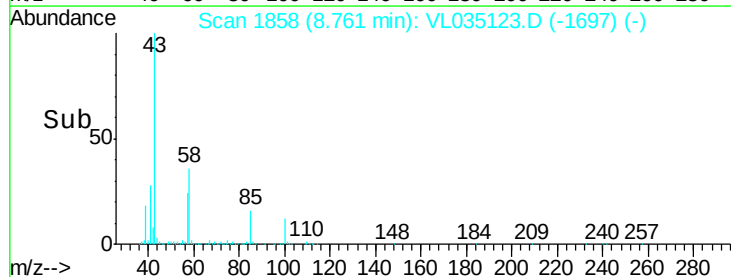
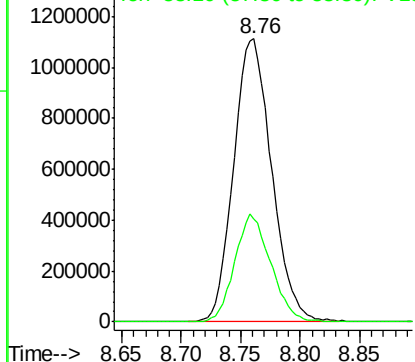


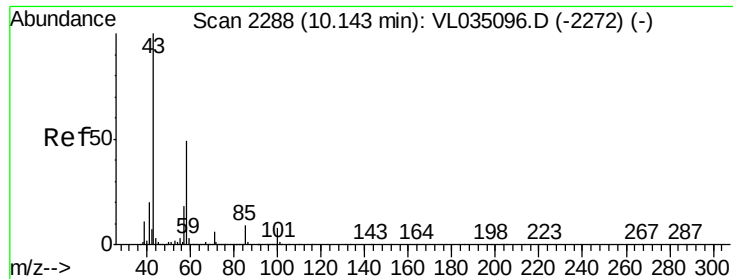
#50
4-Methyl-2-Pentanone
Concen: 9.828 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.02 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.4	44.0



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





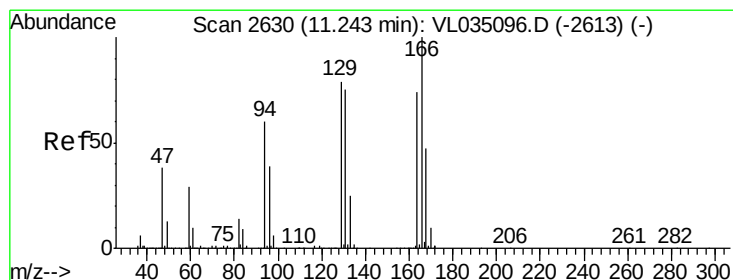
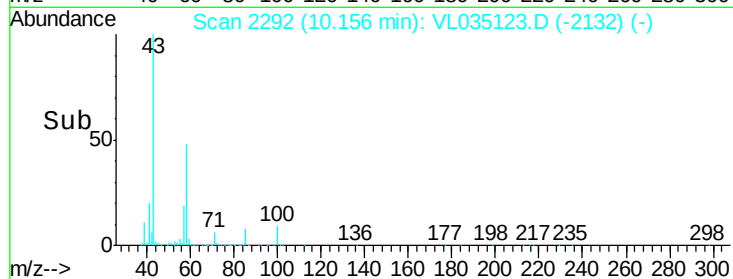
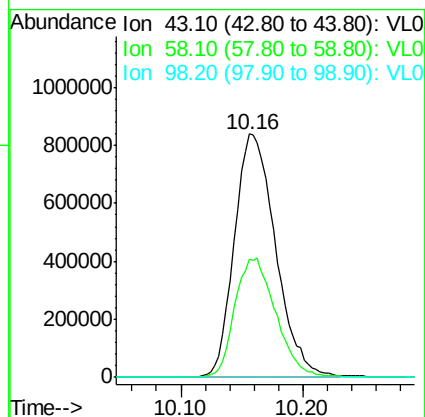
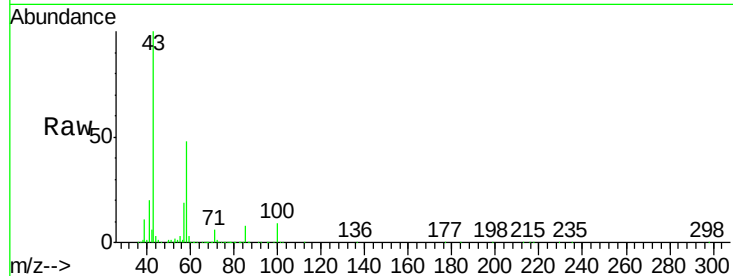
#51
2-Hexanone
Concen: 10.008 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.9	39.2	58.8
98	0.5	0.3	0.5#

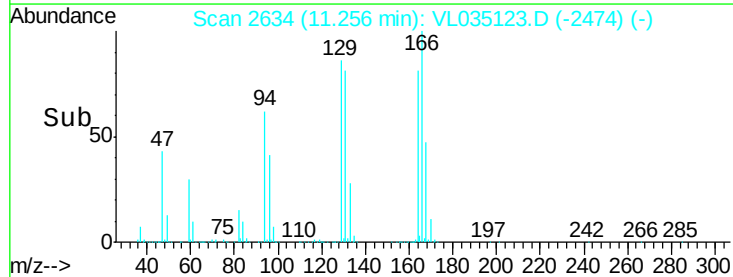
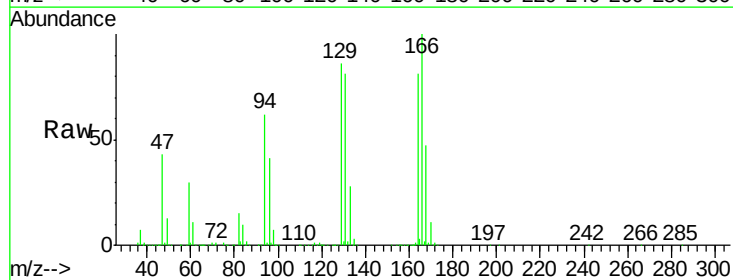
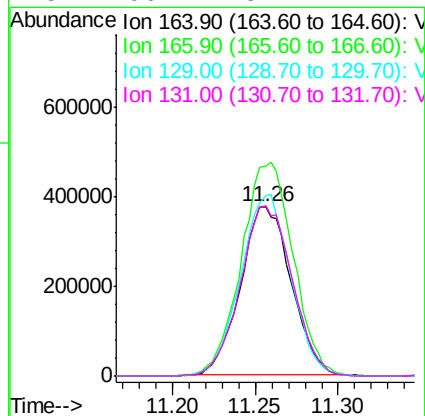
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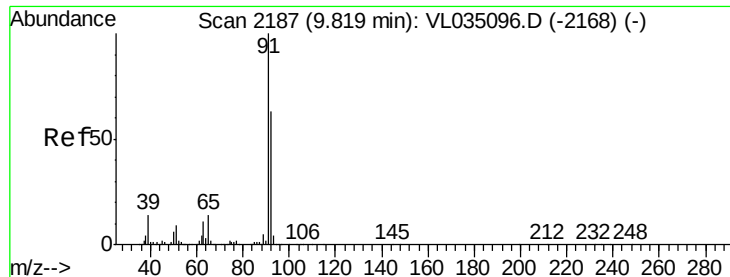
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#52
Tetrachloroethene
Concen: 9.509 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	107.5	161.3
129	106.0	84.9	127.3
131	100.1	81.1	121.7





#53

Toluene

Concen: 10.402 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion: 91 Resp: 2637905

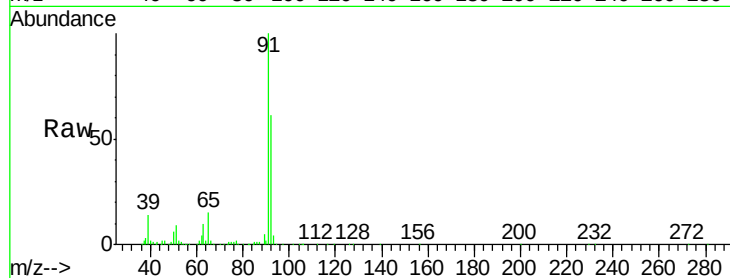
Ion Ratio Lower Upper

91 100

92 60.6 49.0 73.6

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1500000

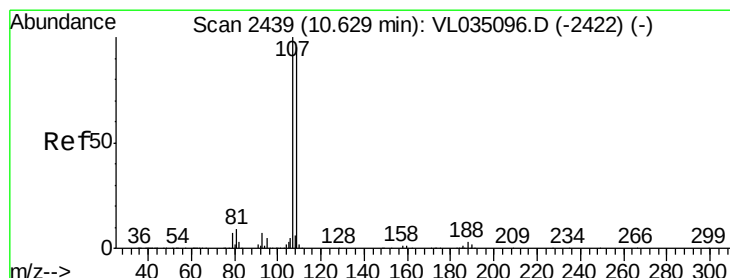
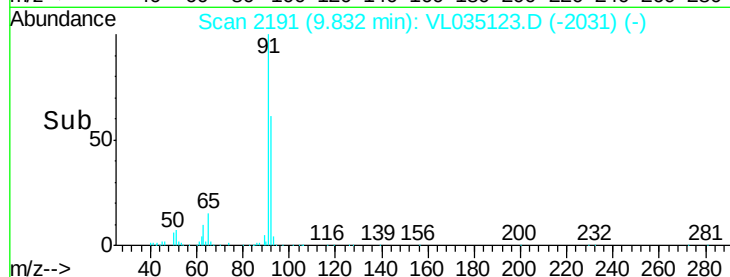
9.83

1000000

500000

0

Time-->



#54

1,2-Dibromoethane

Concen: 9.506 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VL035123.D

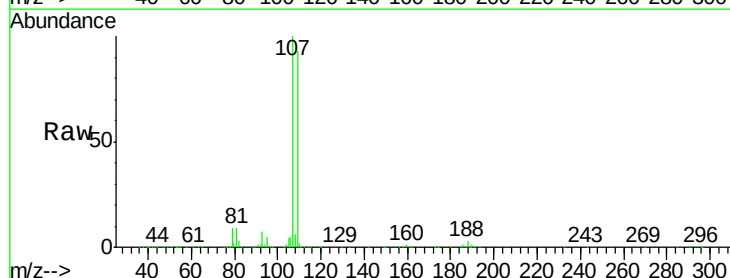
Acq: 30 Jun 2020 13:36

Tgt Ion: 107 Resp: 1428447

Ion Ratio Lower Upper

107 100

109 92.6 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

800000

10.64

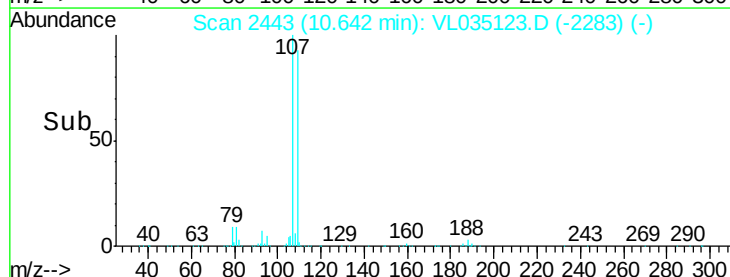
600000

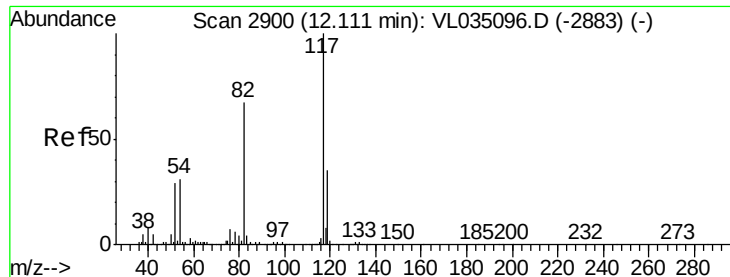
400000

200000

0

Time-->





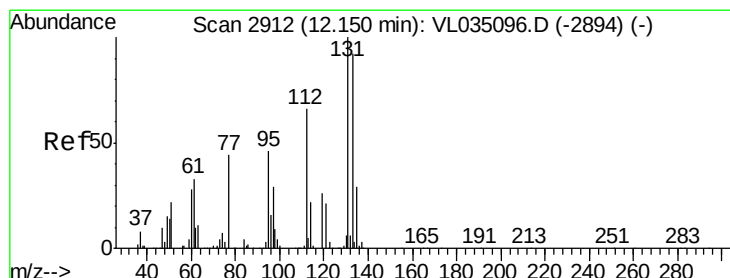
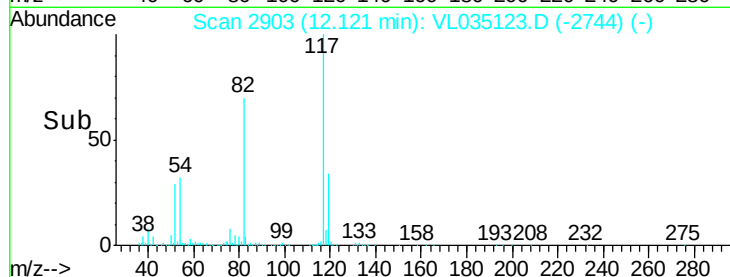
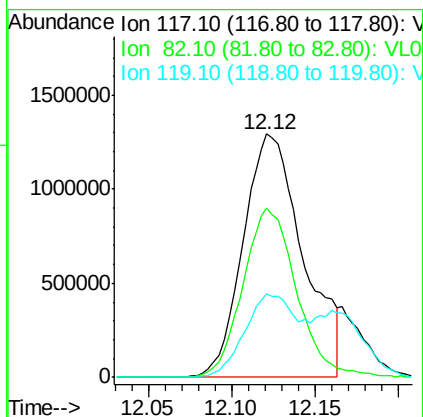
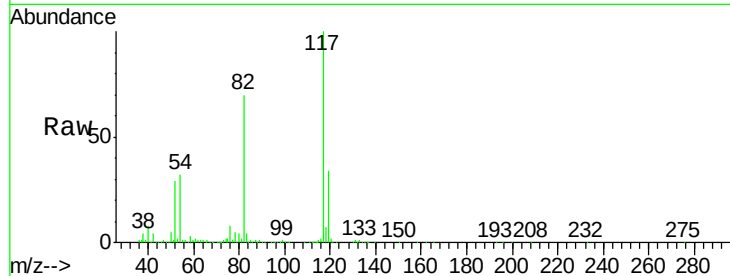
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

Tot Ion:117 Resp: 3236301
Ion Ratio Lower Upper
117 100
82 62.6 50.4 75.6
119 52.8 25.4 38.0#

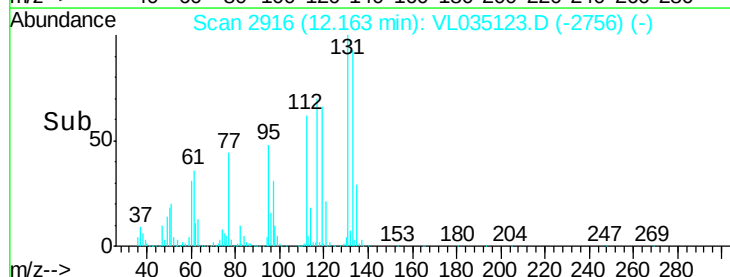
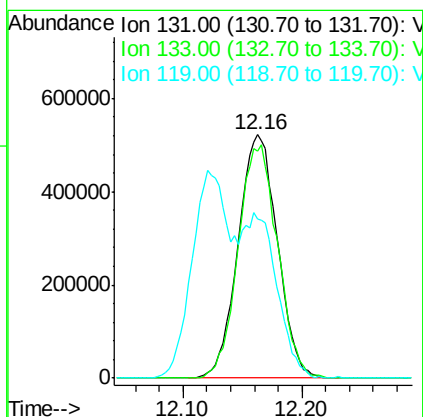
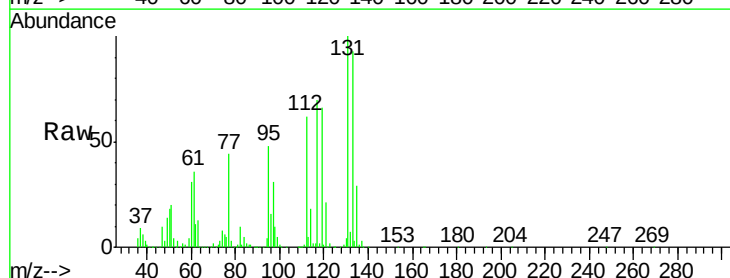
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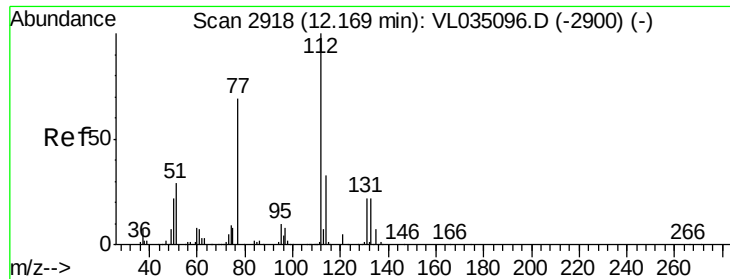
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.022 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion:131 Resp: 1194868
Ion Ratio Lower Upper
131 100
133 96.1 76.2 114.4
119 53.6 114.6 172.0#





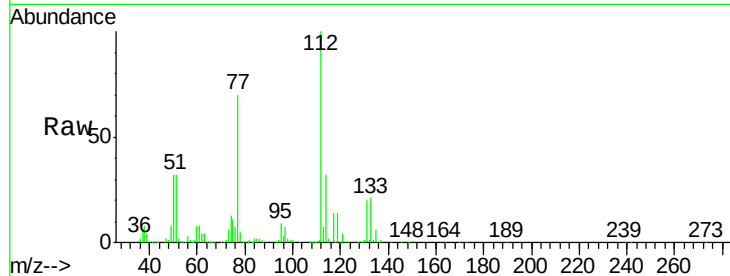
#57
Chlorobenzene
Concen: 8.270 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. 0.02 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

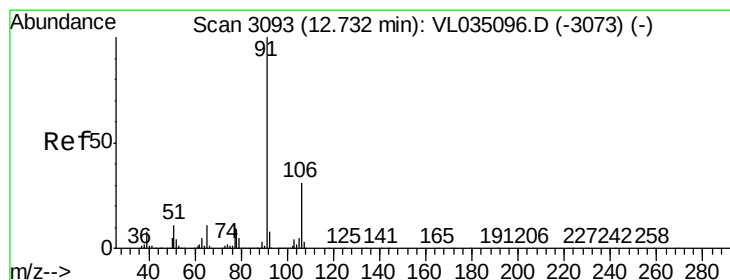
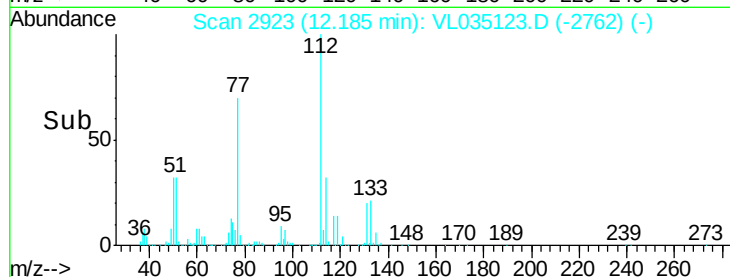
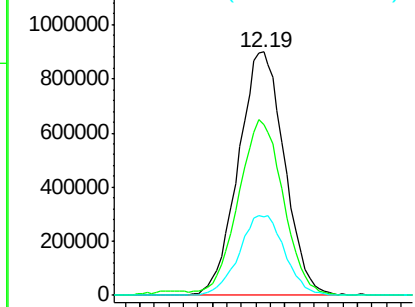
Tot Ion: 112 Resp: 1969483
Ion Ratio Lower Upper
112 100
77 69.9 56.7 85.1
114 32.4 29.3 35.9

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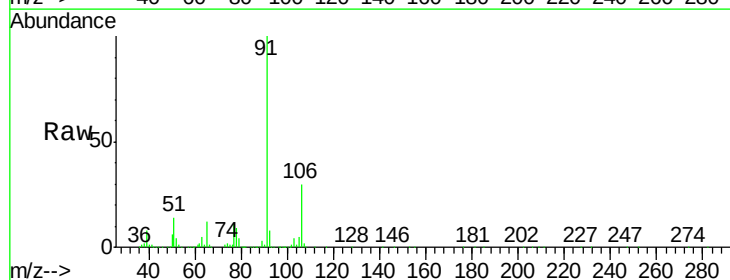


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

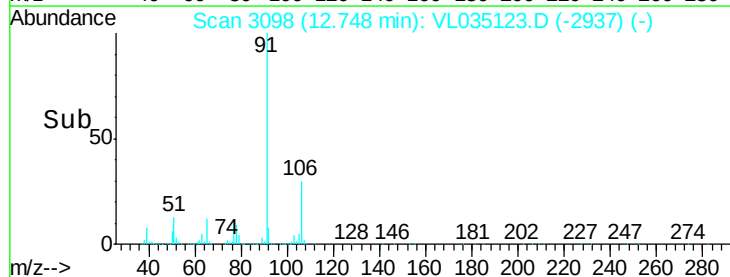
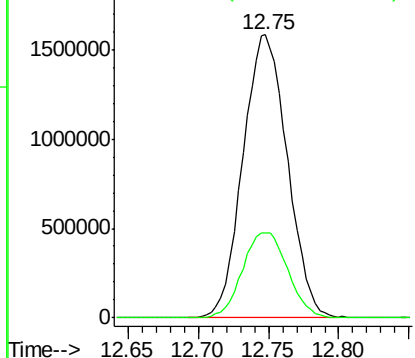


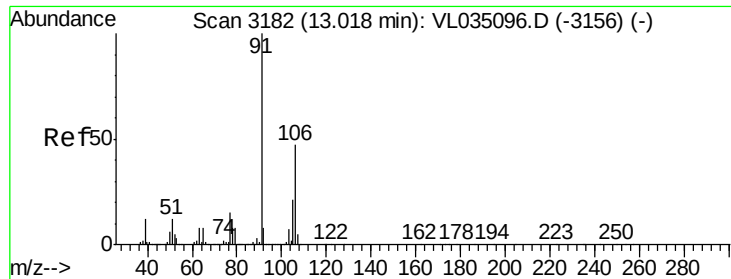
#58
Ethyl Benzene
Concen: 9.575 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.02 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 91 Resp: 3481764
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





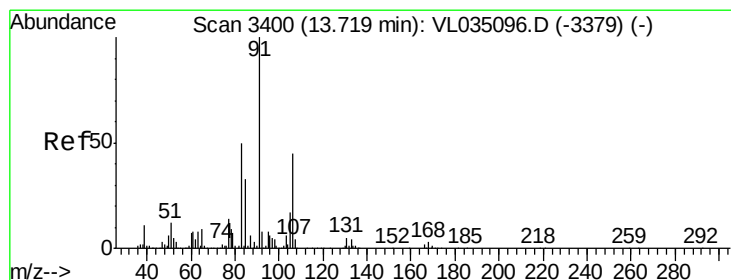
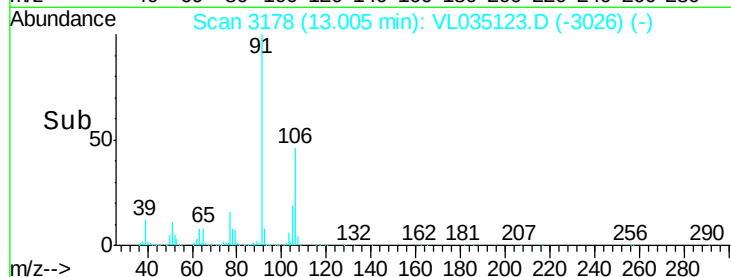
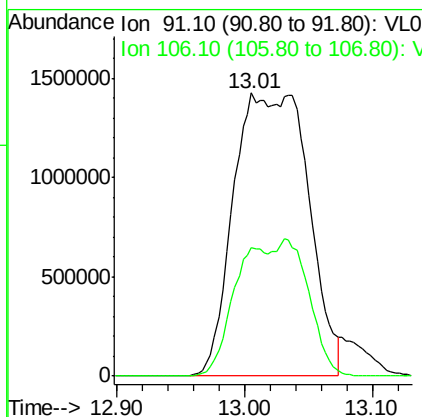
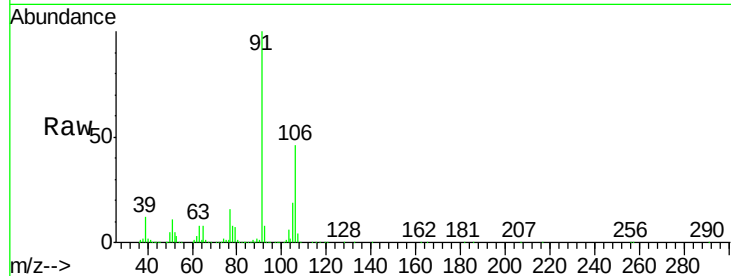
#59
m/p-Xylene
Concen: 17.853 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. -0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

Tot Ion: 91 Resp: 5753108
Ion Ratio Lower Upper
91 100
106 45.9 36.5 54.7

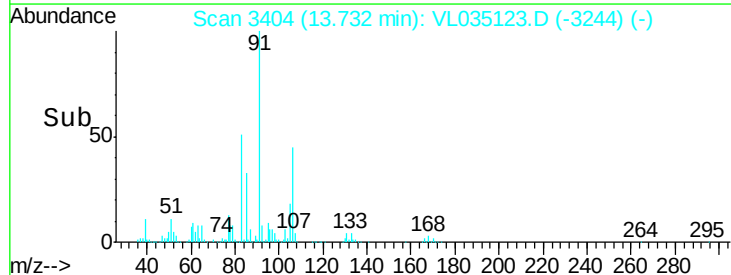
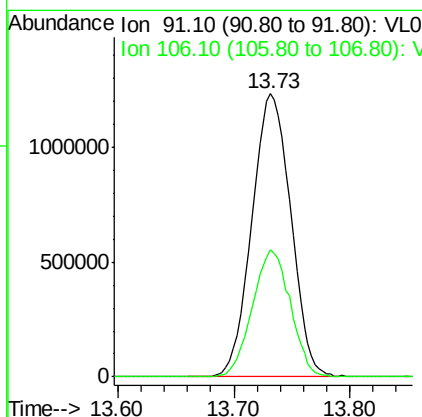
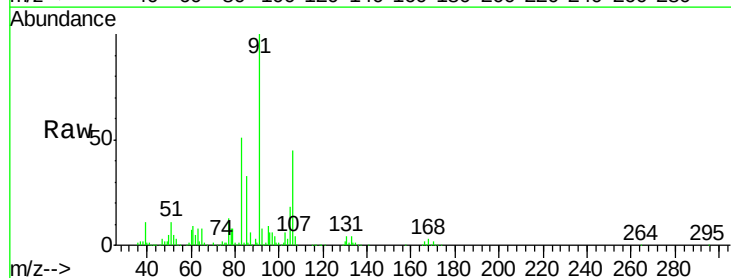
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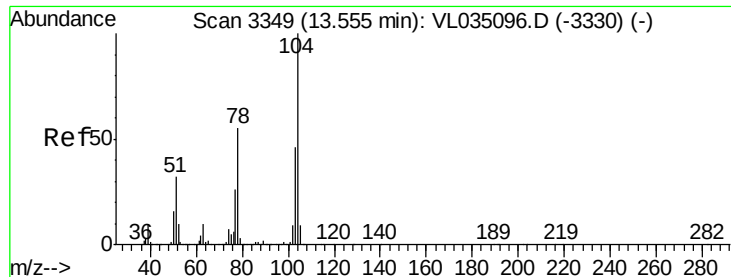
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#60
o-Xylene
Concen: 8.963 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion: 91 Resp: 2875650
Ion Ratio Lower Upper
91 100
106 44.0 22.1 66.5





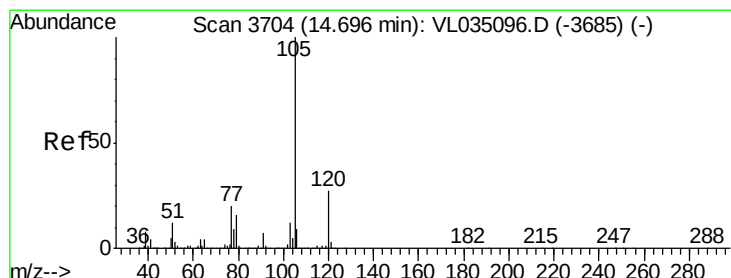
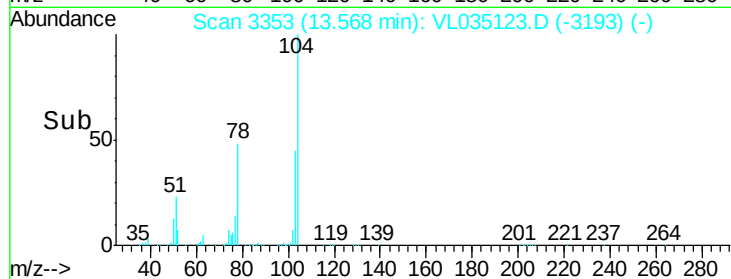
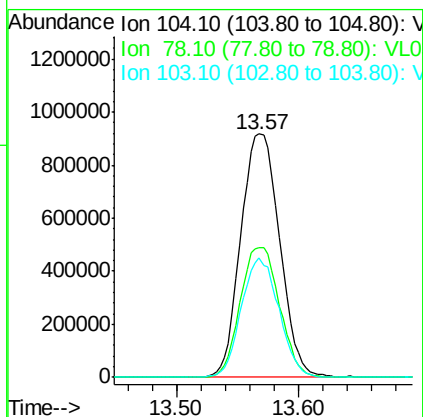
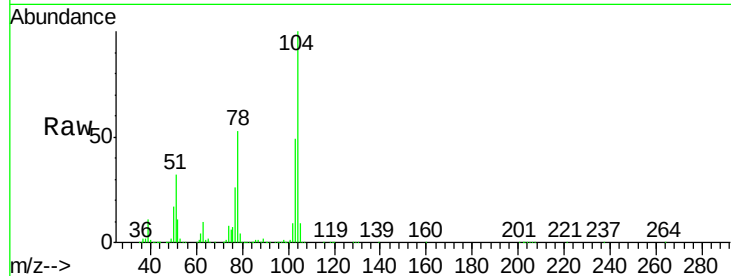
#61
Stvrene
Concen: 10.019 ppbv
RT: 13.57 min Scan# 3353
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Instrument :
MSVOA_L
ClientSampleId :
VL0630ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.1	43.4	65.0
103	47.6	38.3	57.5

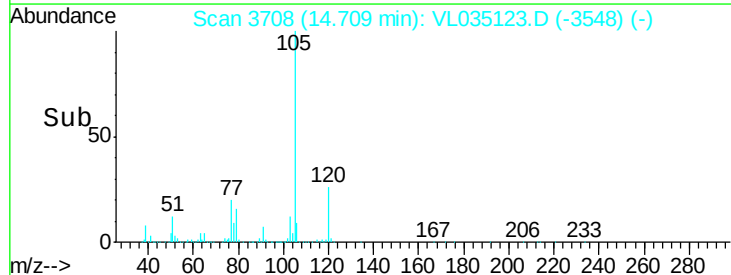
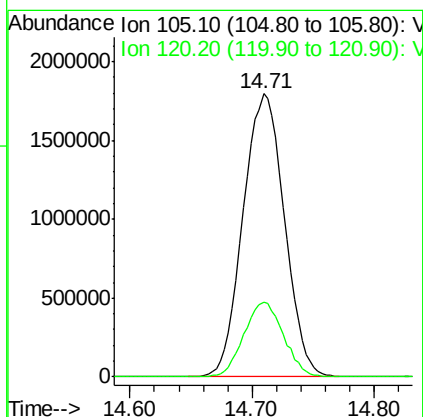
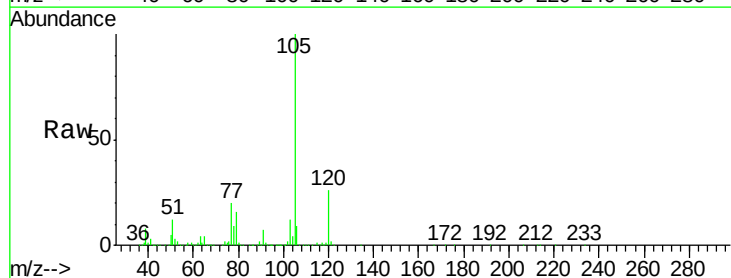
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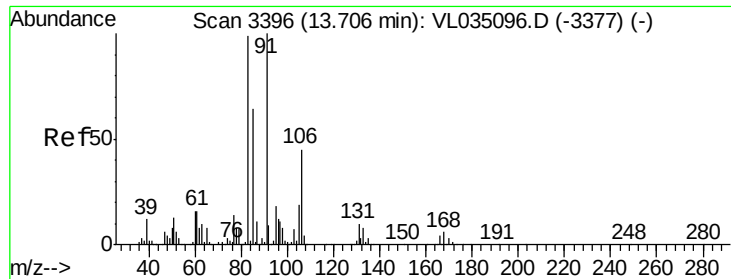
MMDadoda
7/2/2020 5:00:28 PM



#62
Isopropylbenzene
Concen: 8.790 ppbv
RT: 14.71 min Scan# 3708
Delta R.T. 0.01 min
Lab File: VL035123.D
Acq: 30 Jun 2020 13:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.8	31.2





#63

1,1,2,2-Tetrachloroethane

Concen: 7.666 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion: 83 Resp: 1991897

Ion Ratio Lower Upper

83 100

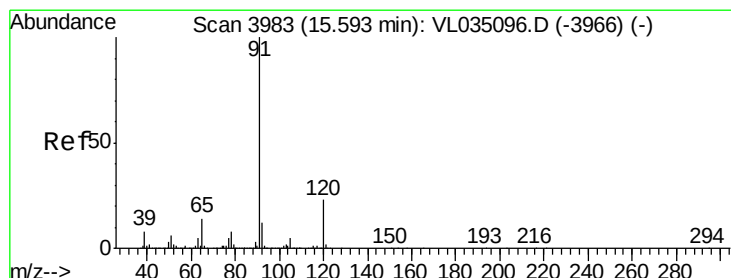
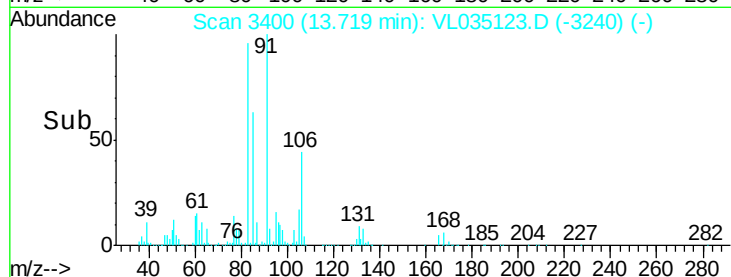
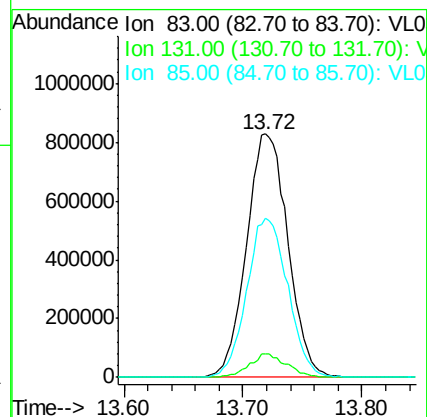
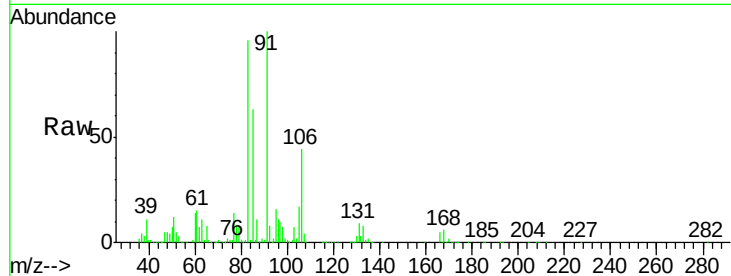
131 8.8 4.7 14.0

85 64.9 32.4 97.0

Manual Integrations
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#64

n-propylbenzene

Concen: 9.071 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VL035123.D

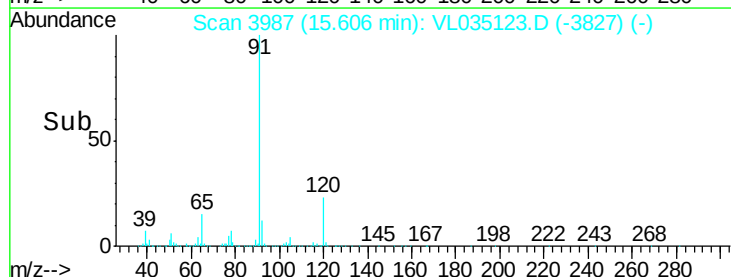
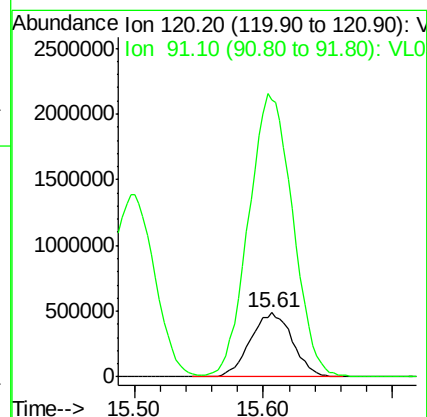
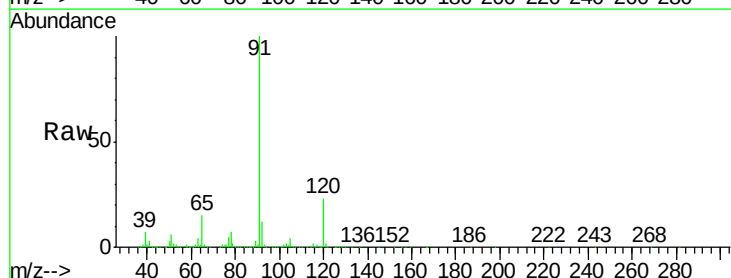
Acq: 30 Jun 2020 13:36

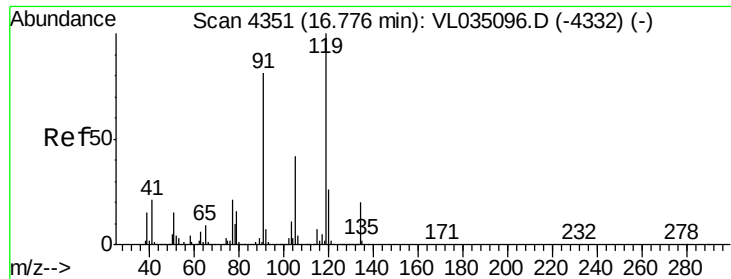
Tgt Ion: 120 Resp: 1108182

Ion Ratio Lower Upper

120 100

91 463.4 367.9 551.9





#65

tert-Butylbenzene

Concen: 8.933 ppbv

RT: 16.79 min Scan# 4351

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion:119 Resp: 3661820

Ion Ratio Lower Upper

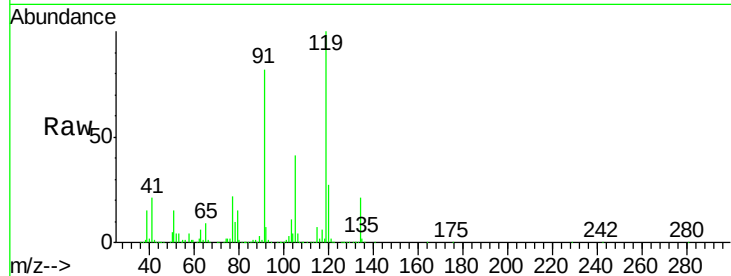
119 100

91 85.2 67.6 101.4

134 20.0 15.7 23.5

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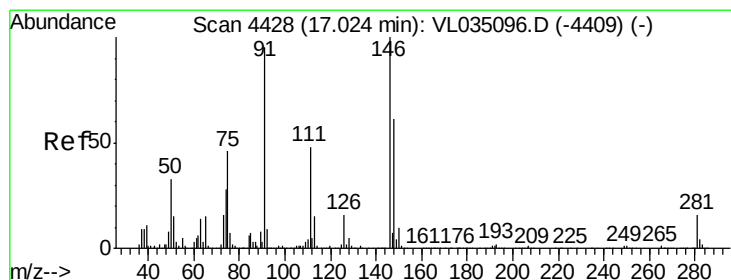
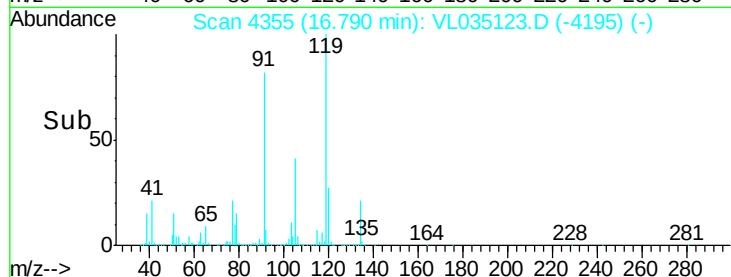
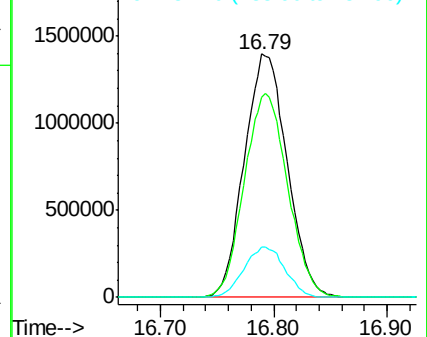
MMDadoda
7/2/2020 5:00:28 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.309 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

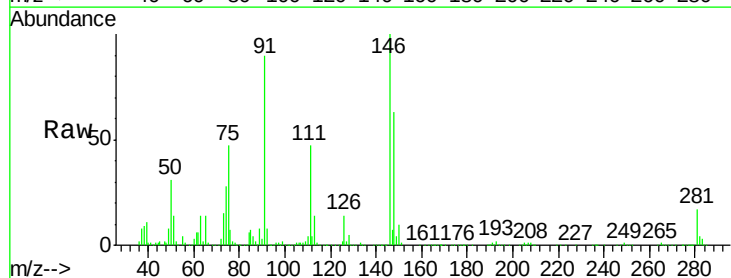
Tgt Ion: 91 Resp: 1432093

Ion Ratio Lower Upper

91 100

126 16.3 13.5 20.3

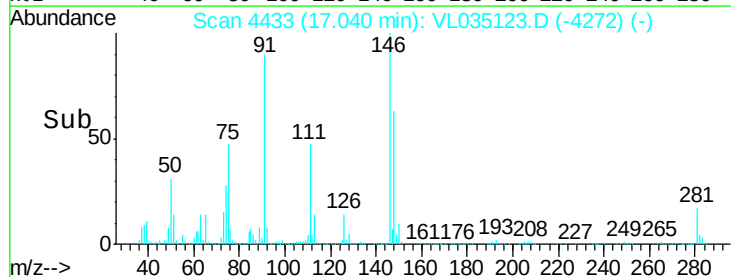
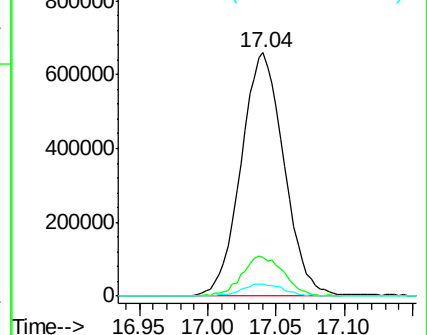
128 5.0 4.3 6.5

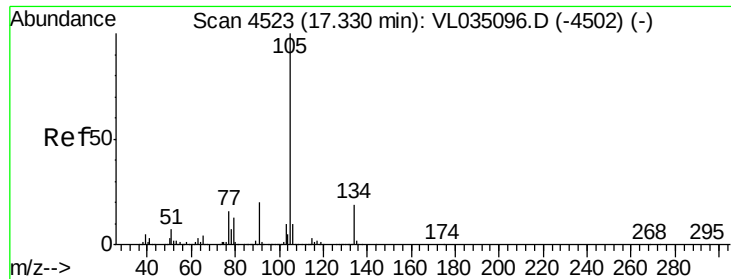


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





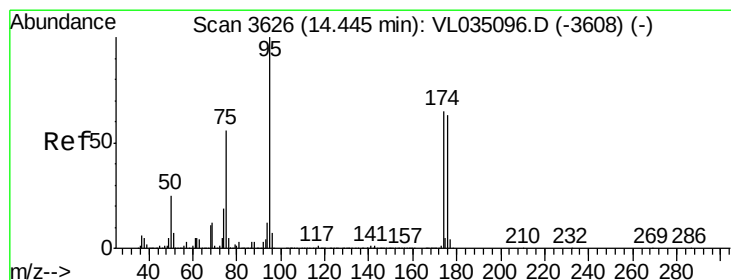
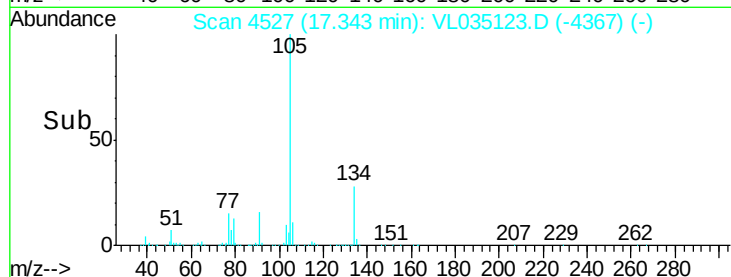
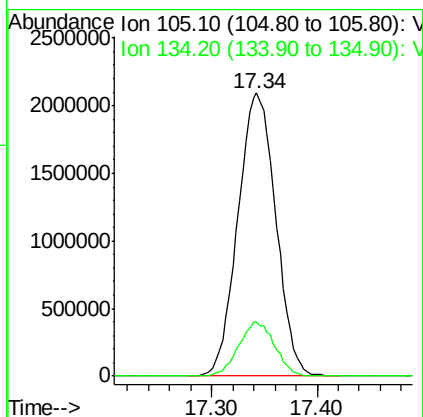
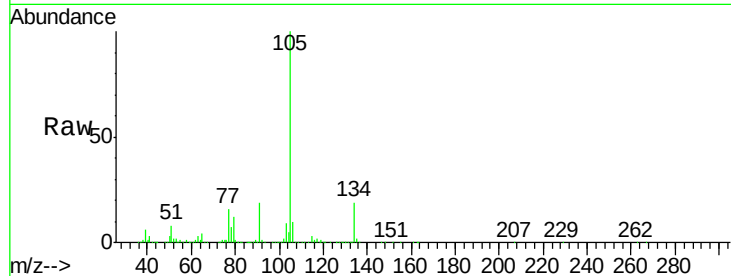
#67
 sec-Butylbenzene
 Concen: 8.900 ppbv
 RT: 17.34 min Scan# 4527
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0630ABS01

Tot Ion: 105 Resp: 5229193
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.7 22.1

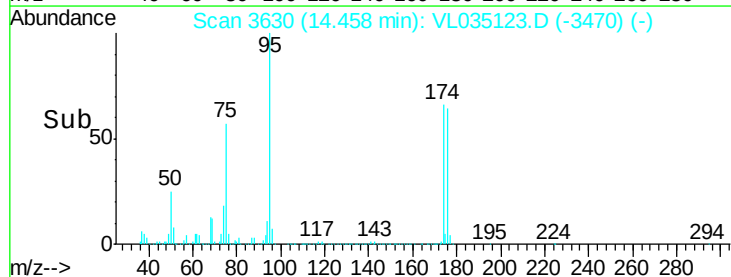
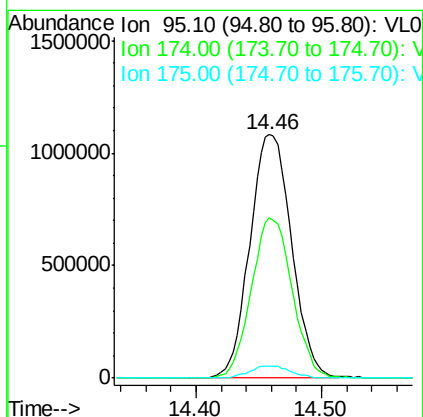
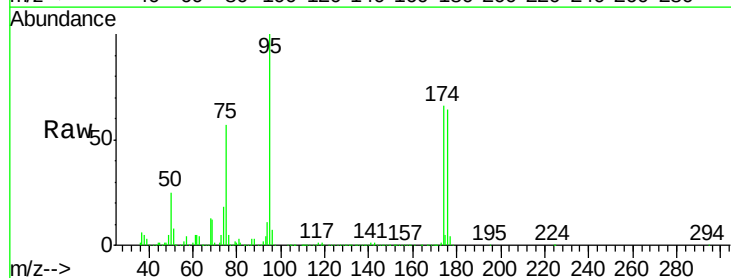
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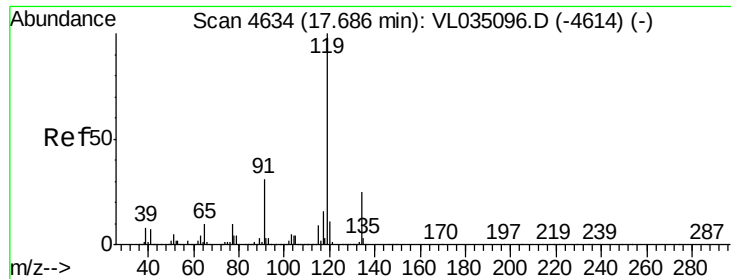
MMDadoda
 7/2/2020 5:00:28 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.305 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion: 95 Resp: 2501529
 Ion Ratio Lower Upper
 95 100
 174 64.8 52.2 78.2
 175 5.0 4.0 6.0





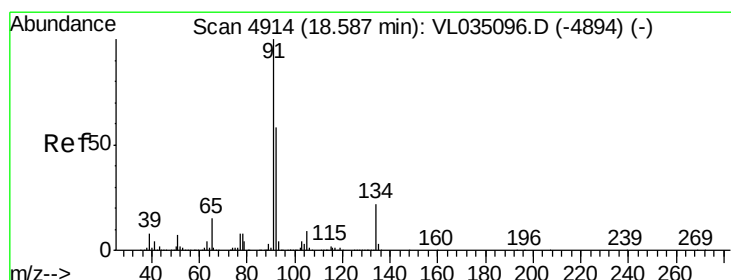
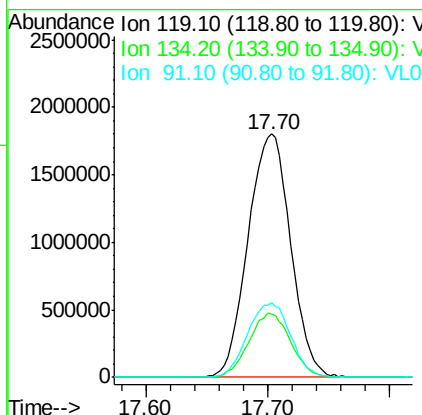
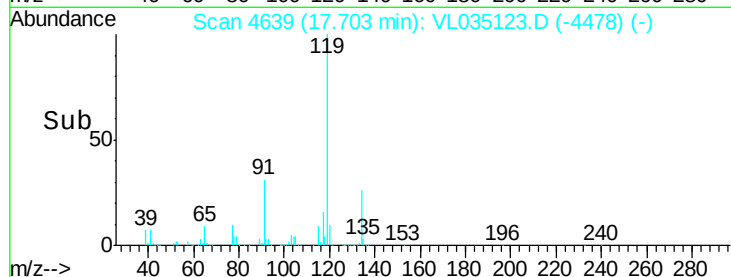
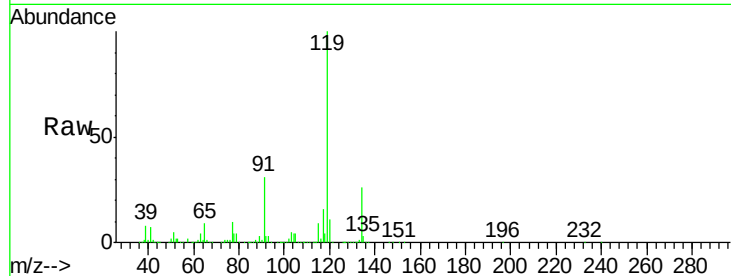
#69
 p-Isopropyltoluene
 Concen: 9.268 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.02 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0630ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.4	30.6
91	31.0	24.5	36.7

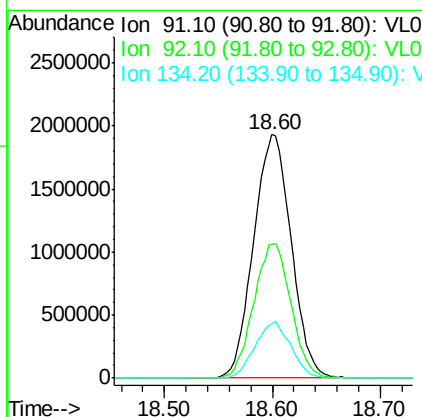
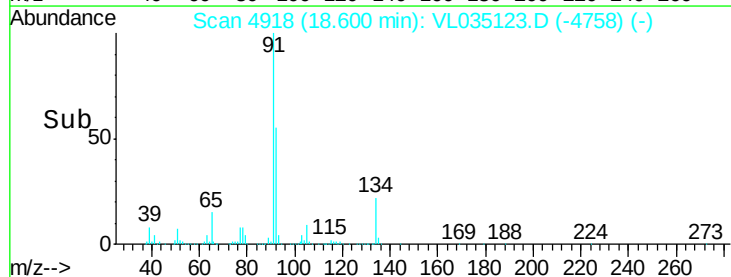
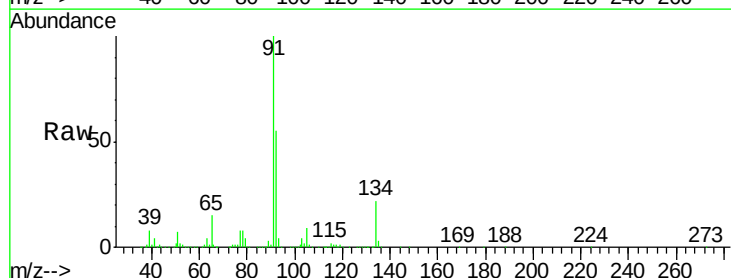
Manual Integrations
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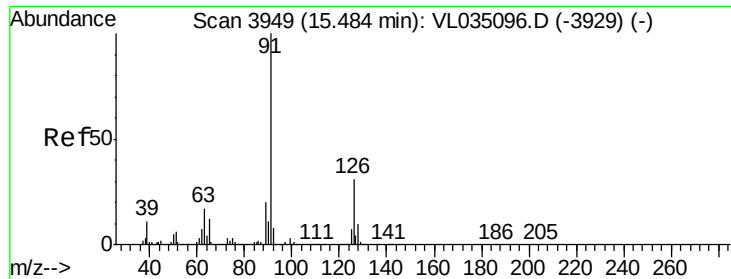
MMDadoda
 7/2/2020 5:00:28 PM



#70
 n-Butylbenzene
 Concen: 9.251 ppbv
 RT: 18.60 min Scan# 4918
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.4	66.6
134	22.0	18.0	27.0





#71

2-Chlorotoluene

Concen: 8.901 ppbv

RT: 15.50 min Scan# 3954

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion: 91 Resp: 3220939

Ion Ratio Lower Upper

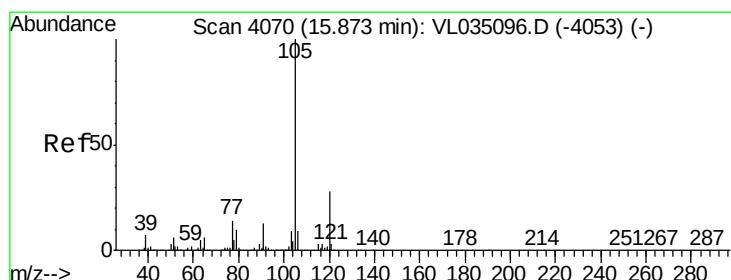
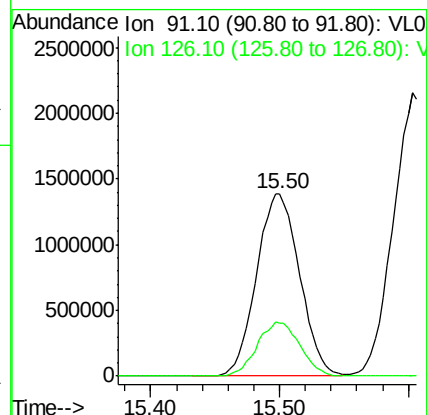
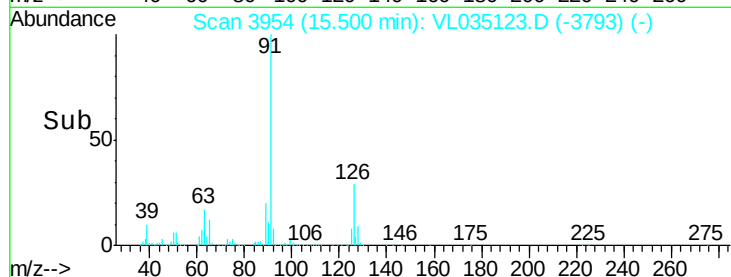
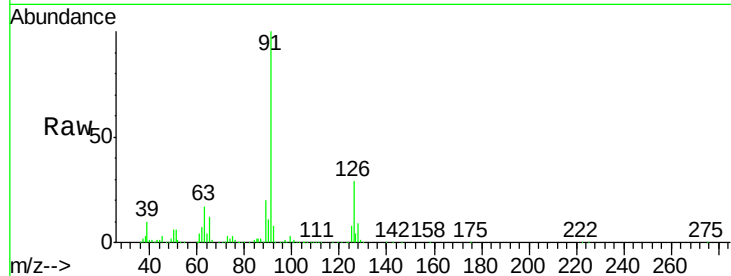
91 100

126 29.7 12.0 48.0

Manual Integrations
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#72

4-Ethyltoluene

Concen: 9.278 ppbv

RT: 15.89 min Scan# 4074

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Tgt Ion: 105 Resp: 3311371

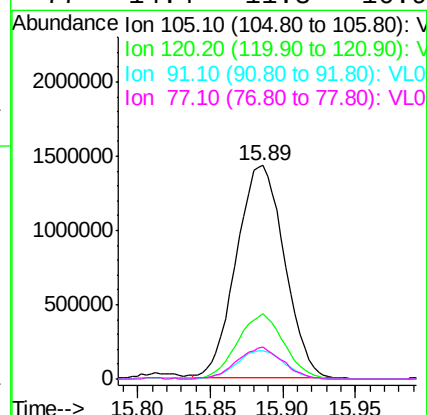
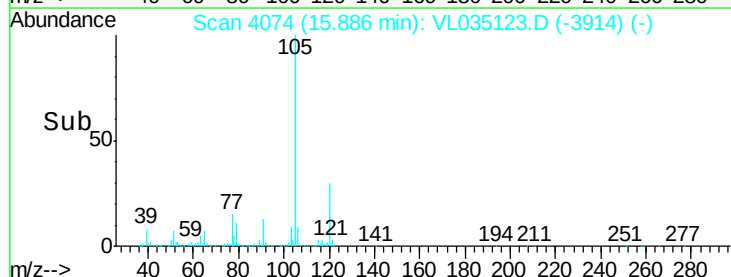
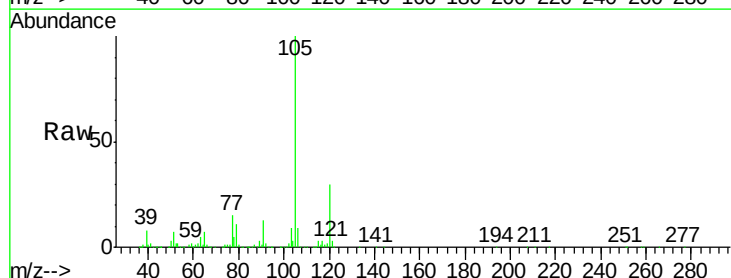
Ion Ratio Lower Upper

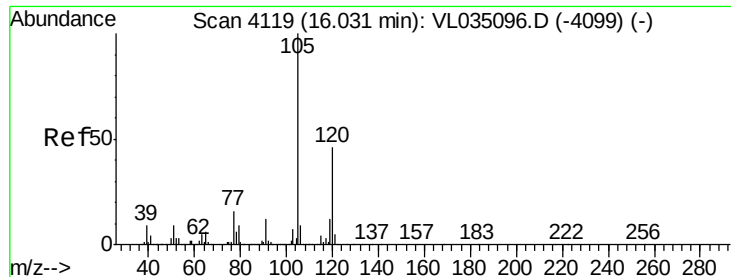
105 100

120 30.3 23.4 35.0

91 13.4 10.6 16.0

77 14.4 11.3 16.9





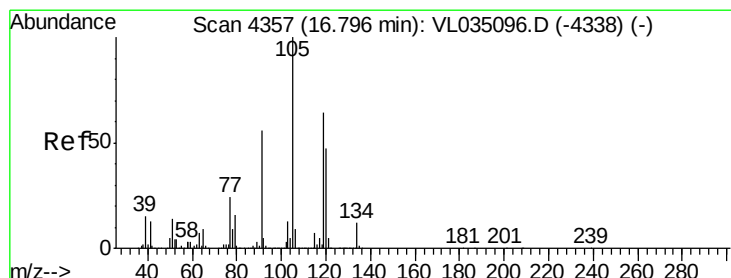
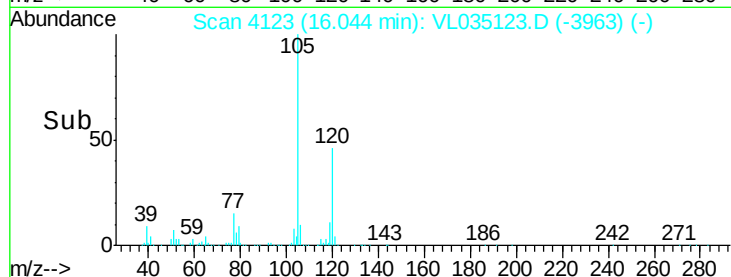
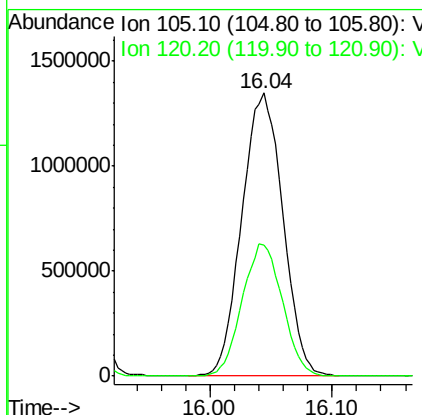
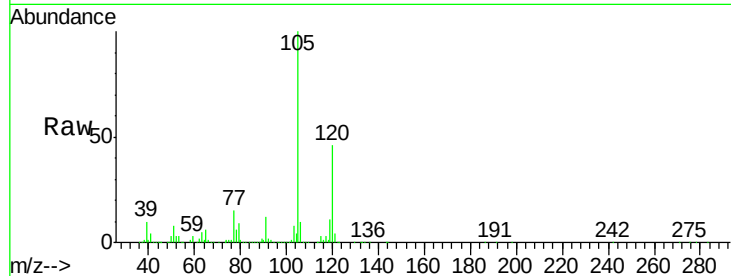
#73
 1,3,5-Trimethylbenzene
 Concen: 9.269 ppbv
 RT: 16.04 min Scan# 4123
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0630ABS01

Tot Ion:105 Resp: 3127139
 Ion Ratio Lower Upper
 105 100
 120 46.2 37.0 55.6

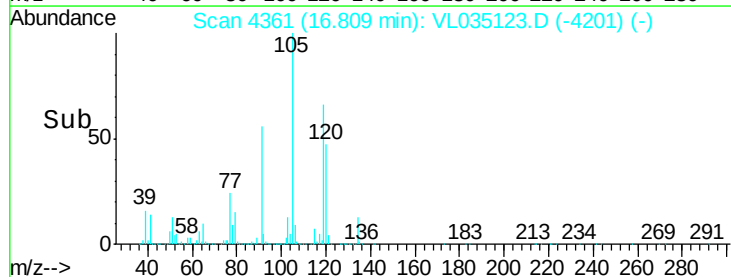
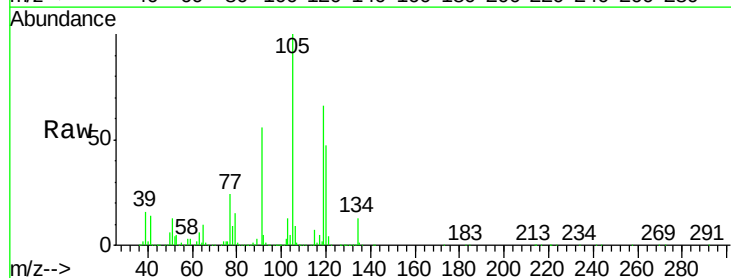
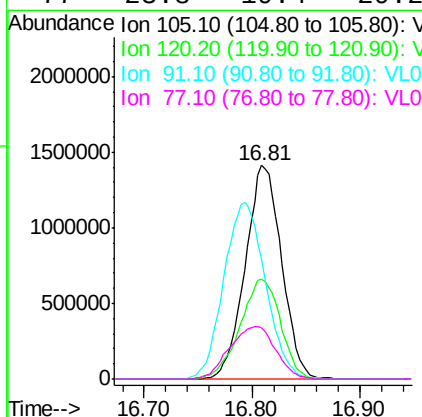
Manual Integrations
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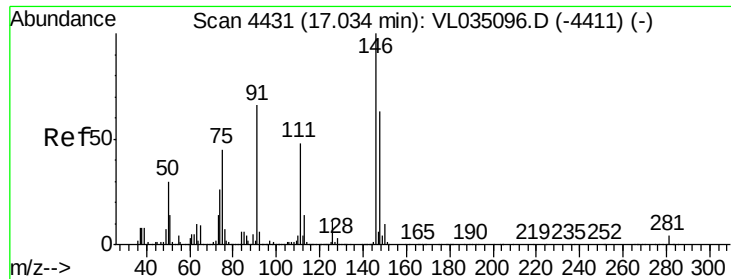
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 7/2/2020 5:00:28 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.760 ppbv
 RT: 16.81 min Scan# 4361
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion:105 Resp: 3298566
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.9 56.9
 91 56.1 46.0 69.0
 77 23.8 19.4 29.2





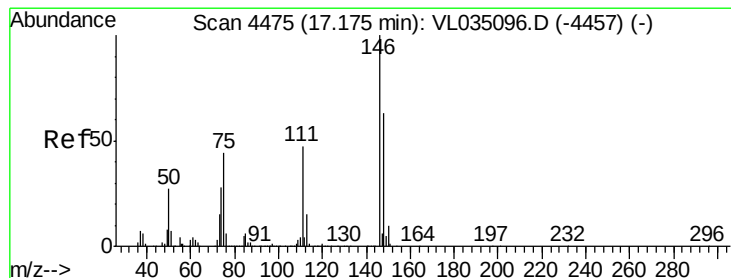
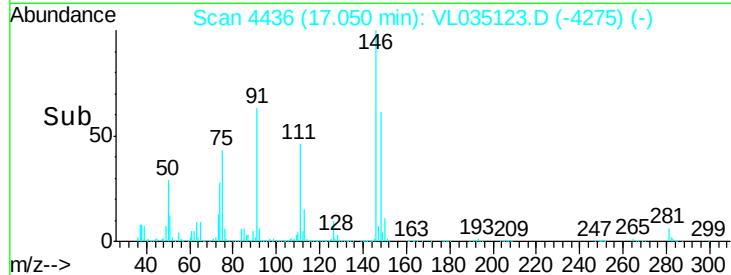
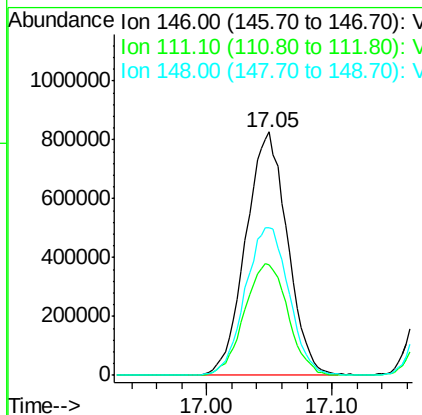
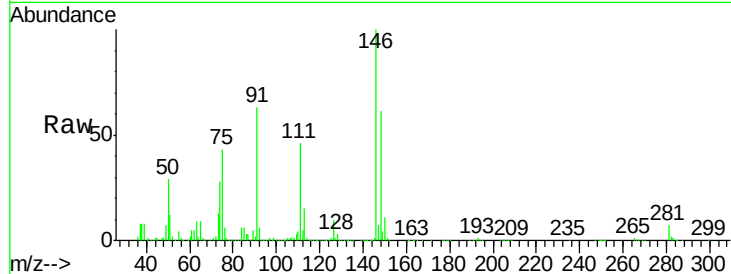
#75
 1,3-Dichlorobenzene
 Concen: 8.494 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. 0.02 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0630ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.0	24.1	72.4
148	63.7	32.3	96.8

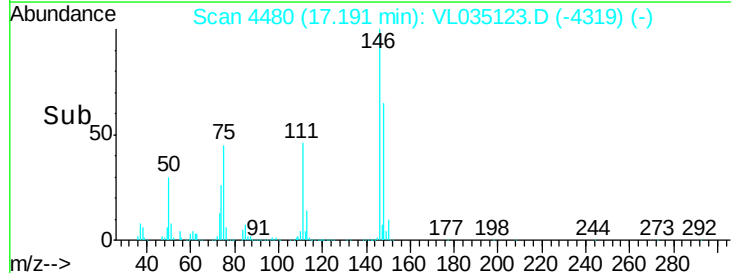
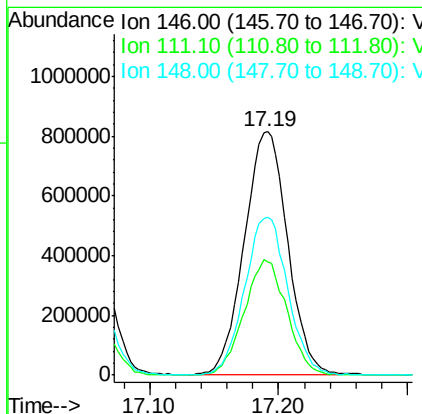
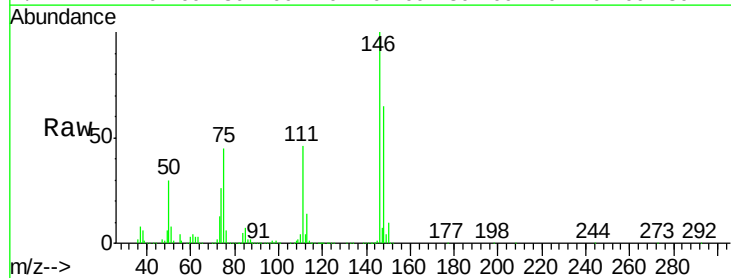
Manual Integrations
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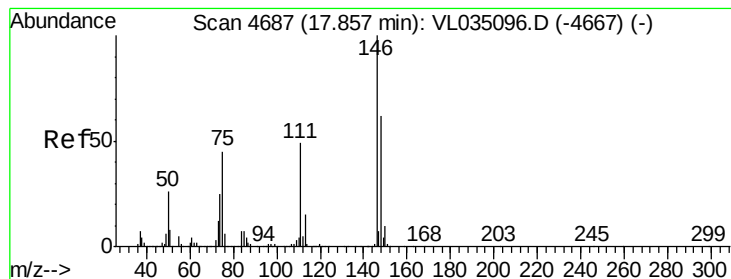
MMDadoda
 7/2/2020 5:00:28 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.820 ppbv
 RT: 17.19 min Scan# 4480
 Delta R.T. 0.02 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.5	70.5
148	65.1	32.0	96.2





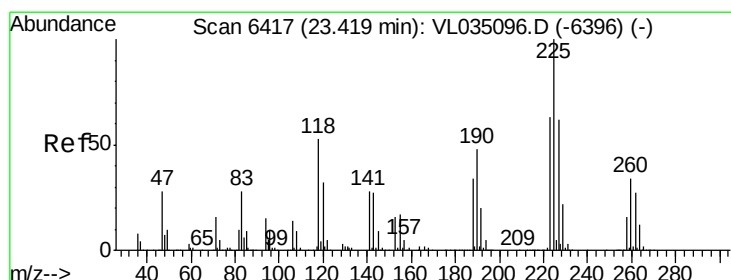
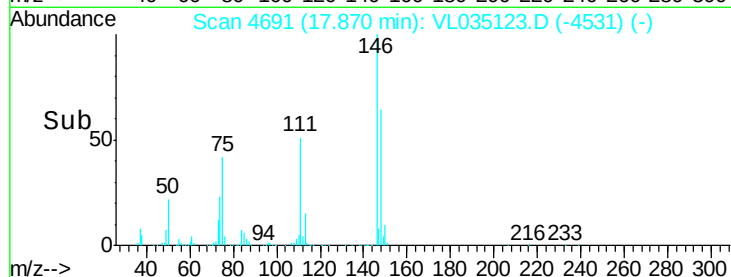
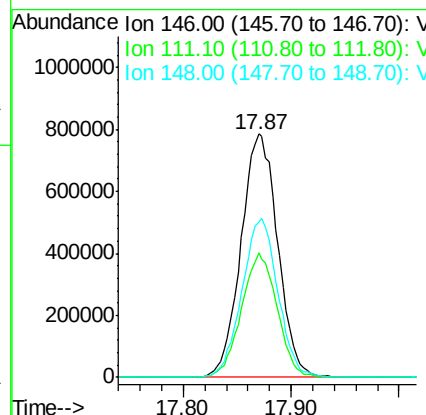
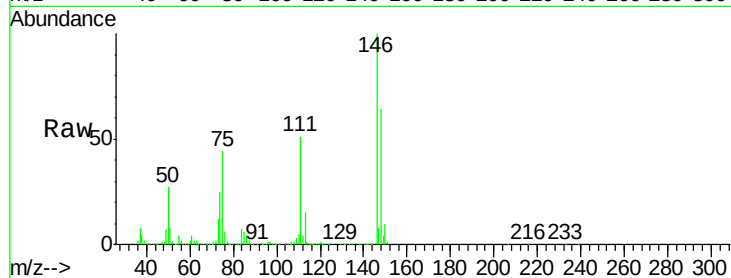
#77
 1,2-Dichlorobenzene
 Concen: 9.013 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0630ABS01

Tot Ion:146 Resp: 1853087
 Ion Ratio Lower Upper
 146 100
 111 49.8 25.0 75.0
 148 64.3 32.3 96.8

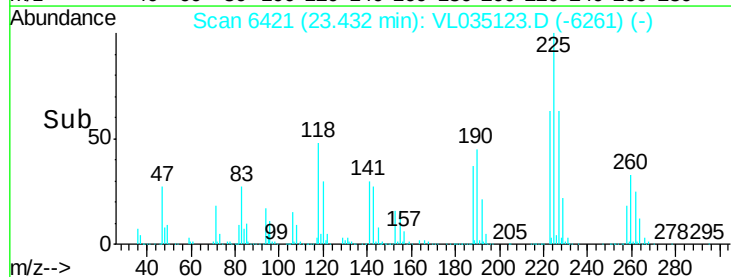
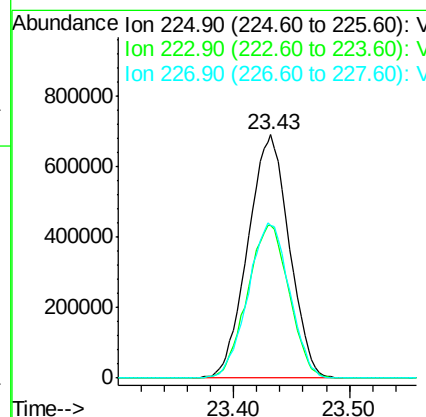
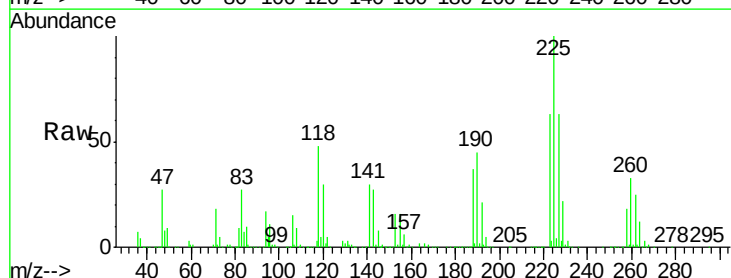
Manual Integrations
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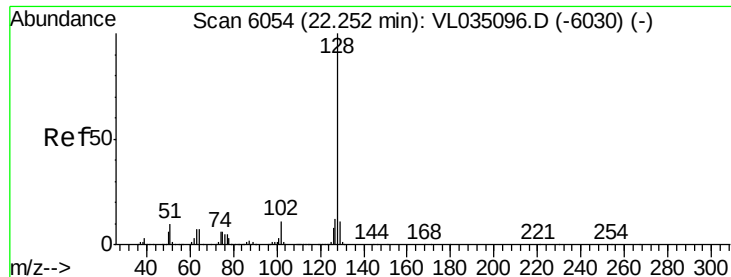
MMDadoda
 7/2/2020 5:00:28 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.256 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL035123.D
 Acq: 30 Jun 2020 13:36

Tgt Ion:225 Resp: 1710722
 Ion Ratio Lower Upper
 225 100
 223 63.4 51.4 77.0
 227 64.0 51.8 77.8





#79

Naphthalene

Concen: 11.768 ppbv

RT: 22.27 min Scan# 6059

Delta R.T. 0.02 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

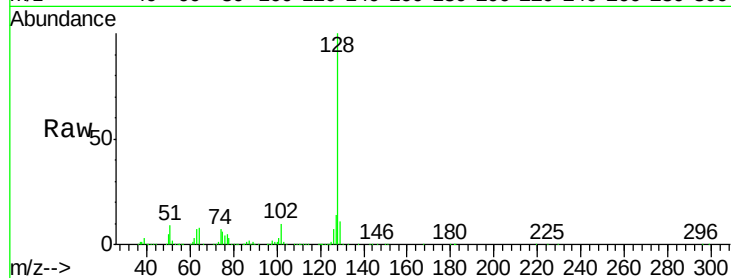
ClientSampleId :

VL0630ABS01

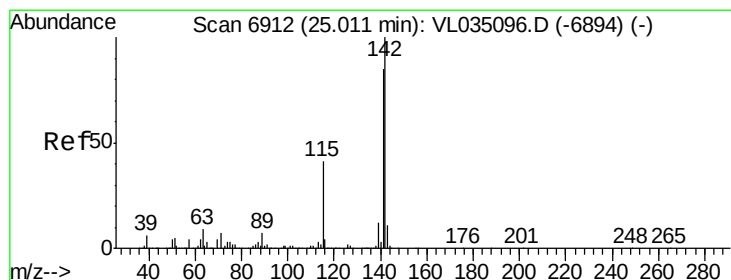
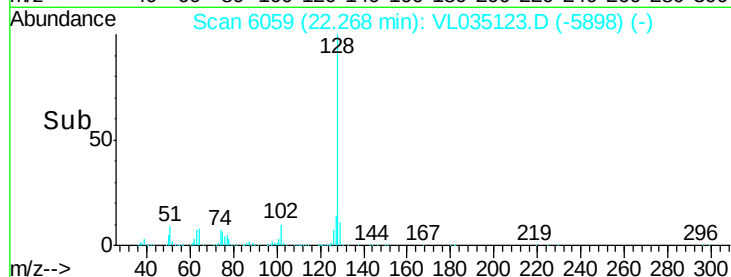
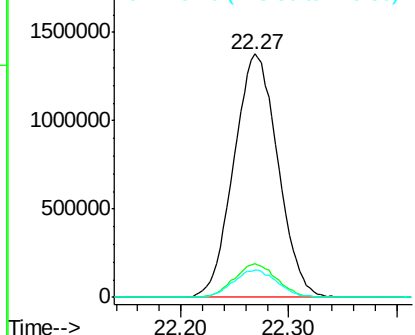
Tot Ion:	128	Resp:	3884704
Ion	Ratio	Lower	Upper
128	100		
127	14.0	9.9	14.9
129	11.5	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:00:28 PM



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: 11.560 ppbv

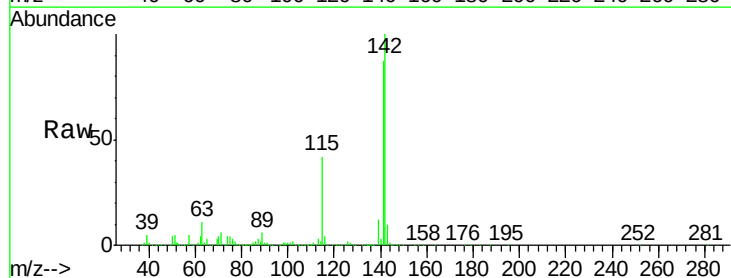
RT: 25.02 min Scan# 6914

Delta R.T. 0.01 min

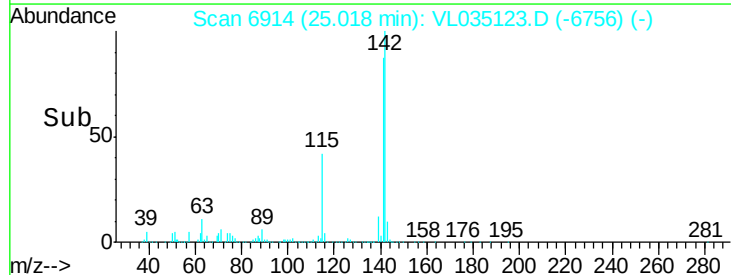
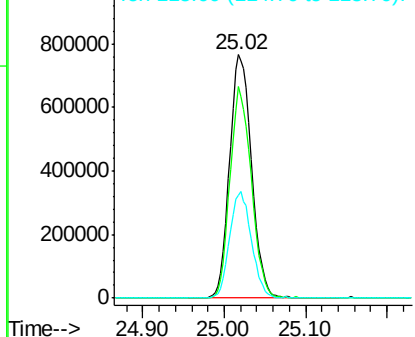
Lab File: VL035123.D

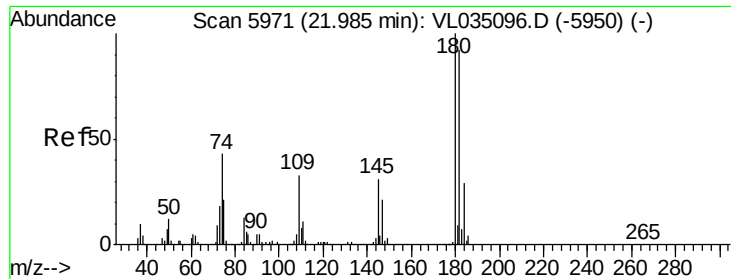
Acq: 30 Jun 2020 13:36

Tgt Ion:	142	Resp:	1459168
Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.5	101.3
115	43.5	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: 10.900 ppbv

RT: 22.00 min Scan# 5975

Delta R.T. 0.01 min

Lab File: VL035123.D

Acq: 30 Jun 2020 13:36

Instrument :

MSVOA_L

ClientSampleId :

VL0630ABS01

Tot Ion:180 Resp: 2075613

Ion Ratio Lower Upper

180 100

182 96.9 77.9 116.9

184 30.8 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

7/2/2020 5:00:28 PM

