

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035166.D
 Acq On : 7 Jul 2020 6:32
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:01:43 PM

Quant Time: Jul 07 07:06:16 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	5.65	49	1032116	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2479522	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2459988	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1979335	9.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1315493	9.439	ppbv	100
3) Chlorodifluoromethane	2.94	51	1168445	10.248	ppbv	100
4) Chloromethane	3.09	50	676581	10.586	ppbv	100
5) Vinyl Chloride	3.21	62	662410	10.898	ppbv	98
6) Bromomethane	3.43	94	403017	10.678	ppbv	93
7) Chloroethane	3.51	64	252944	11.036	ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	1533375	10.261	ppbv	100
9) Propene	2.96	41	503222	11.146	ppbv	99
10) Heptane	8.12	43	1331264	11.378	ppbv	98
11) Trichlorofluoromethane	3.91	101	1555615	10.448	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1110482	10.786	ppbv	99
13) Ethanol	3.56	45	127067	7.450	ppbv	97
14) Bromoethene	3.70	108	500819	11.285	ppbv	98
15) Acetone	3.81	43	1222835	9.800	ppbv	99
16) 1,3-Butadiene	3.28	39	609430	11.135	ppbv	99
17) tert-Butyl alcohol	4.25	59	1329408	12.021	ppbv	100
18) 1,1-Dichloroethene	4.25	96	509478	10.972	ppbv	93
19) Isopropyl Alcohol	3.93	45	890808	10.994	ppbv #	98
20) Methylene Chloride	4.31	84	458614	9.081	ppbv	95
21) Allyl Chloride	4.38	41	876329	11.817	ppbv	100
22) trans-1,2-Dichloroethene	4.86	96	504713	11.618	ppbv	94
23) Vinyl Acetate	5.05	43	1818934	12.009	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1348361	10.559	ppbv	100
25) Ethyl Acetate	5.65	43	2353758	10.452	ppbv	100
26) Hexane	5.67	57	1049164	10.333	ppbv	99
27) Carbon Disulfide	4.52	76	1426813	13.579	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1660891	11.642	ppbv	99
29) Chloroform	5.74	83	1616093	10.171	ppbv	99
30) Cyclohexane	7.12	84	863966	11.856	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1056836	11.292	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	1589743	10.787	ppbv	100
34) 2-Butanone	5.22	43	1504397	10.565	ppbv	100
35) Carbon Tetrachloride	7.01	117	1623602	10.918	ppbv	99
36) Benzene	6.89	78	2070383	10.783	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1253182	10.327	ppbv	99
38) Trichloroethene	7.83	130	782798	10.497	ppbv	97
39) 1,2-Dichloropropane	7.61	63	812375	10.818	ppbv	97
40) 1,4-Dioxane	7.83	88	292848	9.887	ppbv #	97
41) Tetrahydrofuran	6.03	42	837555	11.516	ppbv	98
42) Bromodichloromethane	7.79	83	1735372	11.042	ppbv	99
43) Methyl Methacrylate	8.01	69	935478	11.511	ppbv	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	3503534	10.455	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1042317	13.179	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1241778	12.638	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	845748	10.319	ppbv	98
48) Dibromochloromethane	10.32	129	1426789	11.677	ppbv	99
49) Bromoform	13.06	173	1191322	11.478	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2191581	10.833	ppbv	100
51) 2-Hexanone	10.14	43	1758462	11.099	ppbv #	100
52) Tetrachloroethene	11.24	164	727077	10.747	ppbv	90
53) Toluene	9.82	91	2384519	11.643	ppbv	98
54) 1,2-Dibromoethane	10.63	107	1270288	10.468	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1067043m	10.599	ppbv	
57) Chlorobenzene	12.17	112	1753437	9.687	ppbv	98
58) Ethyl Benzene	12.73	91	3122827	11.298	ppbv	98
59) m/p-Xylene	13.02	91	5136545m	20.970	ppbv	
60) o-Xylene	13.72	91	2533679	10.390	ppbv	99
61) Styrene	13.55	104	1777837	11.585	ppbv	100
62) Isopropylbenzene	14.69	105	3727345	10.243	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1719421	8.705	ppbv	100
64) n-propylbenzene	15.59	120	976235	10.512	ppbv	98
65) tert-Butylbenzene	16.77	119	3214698m	10.317	ppbv	
66) Benzyl Chloride	17.02	91	1264434	13.136	ppbv	100
67) sec-Butylbenzene	17.32	105	4598600	10.296	ppbv	99
69) p-Isopropyltoluene	17.68	119	3818266	10.718	ppbv	99
70) n-Butylbenzene	18.58	91	4090533	10.660	ppbv	99
71) 2-Chlorotoluene	15.48	91	2863146	10.409	ppbv	99
72) 4-Ethyltoluene	15.87	105	2960376	10.913	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2762855	10.774	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	2875349	10.046	ppbv	93
75) 1,3-Dichlorobenzene	17.03	146	1652251	9.674	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1652367	10.113	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1617102	10.347	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1626830	11.580	ppbv	97
79) Naphthalene	22.25	128	3486279	13.894	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	1355221	14.125	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1834942	12.676	ppbv	99

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

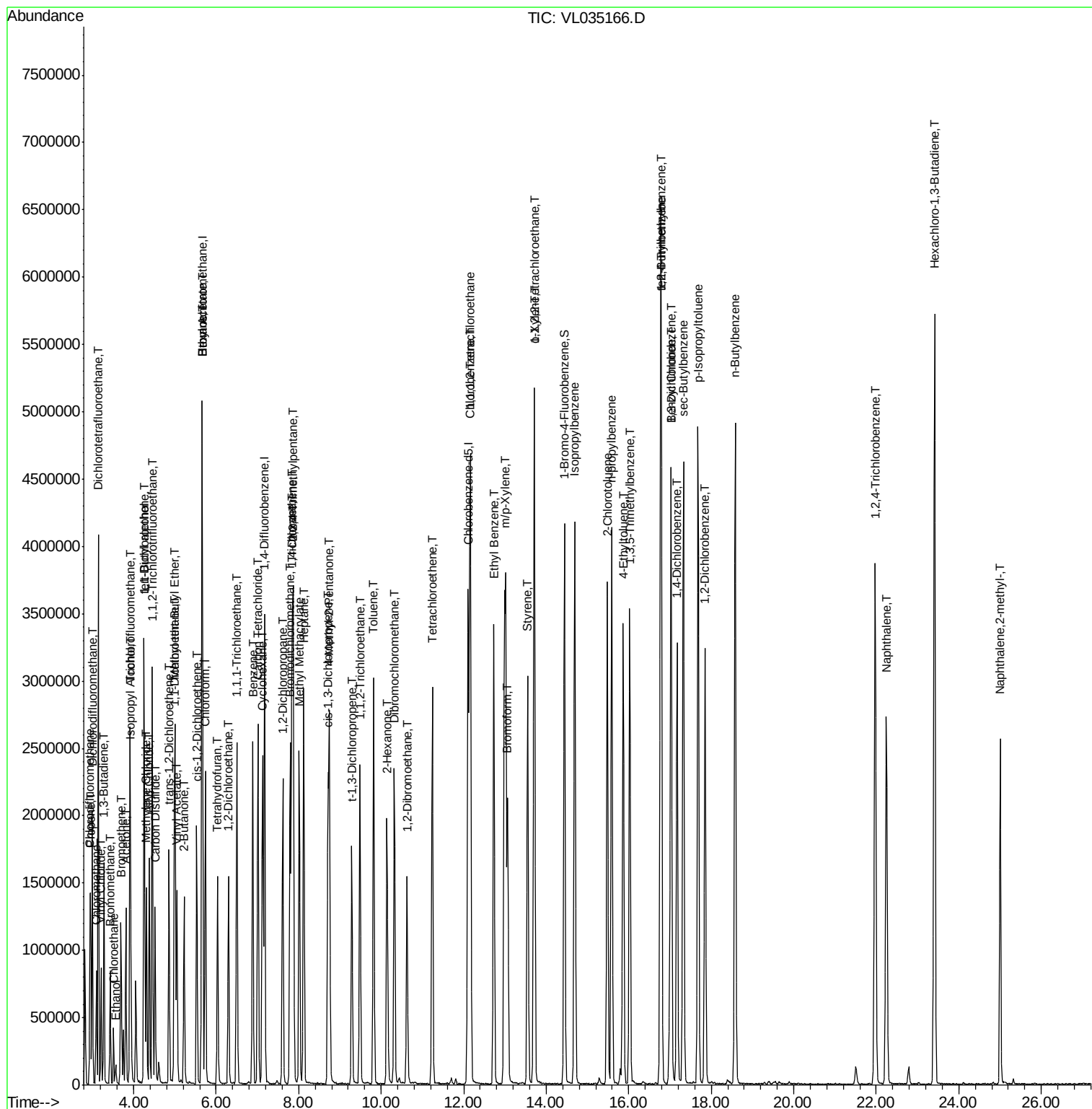
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070620\
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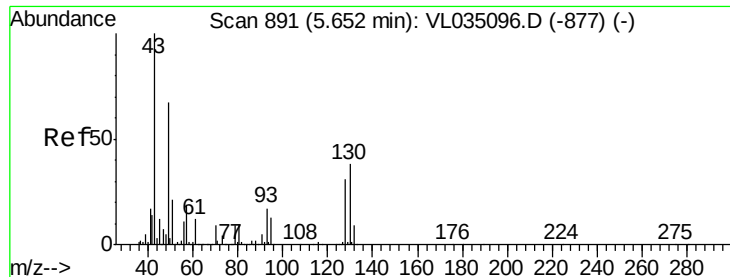
Instrument :
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ClientSampleID :
VSTDCCC010EC

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun
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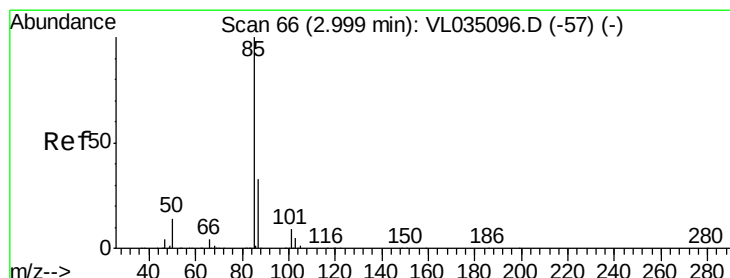
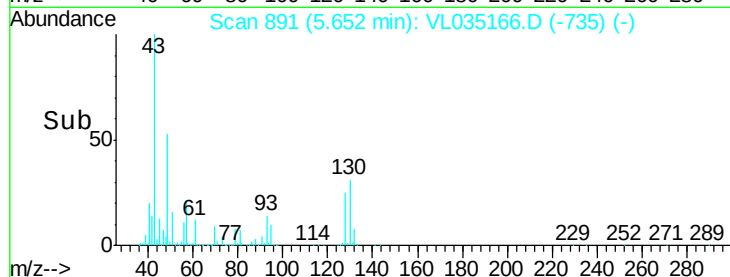
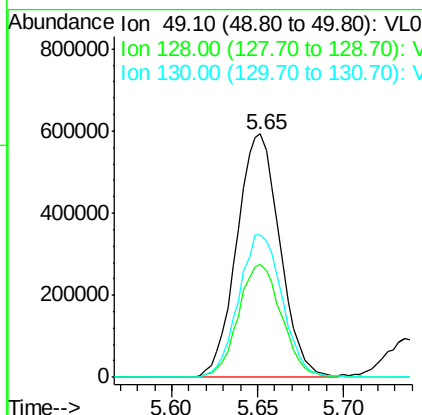
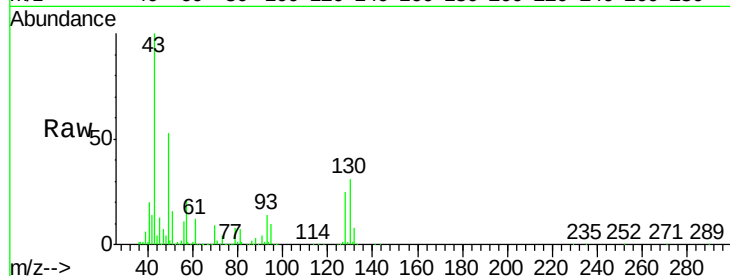
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 49 Resp: 1032116
Ion Ratio Lower Upper
49 100
128 46.7 22.9 68.5
130 59.7 29.0 87.0

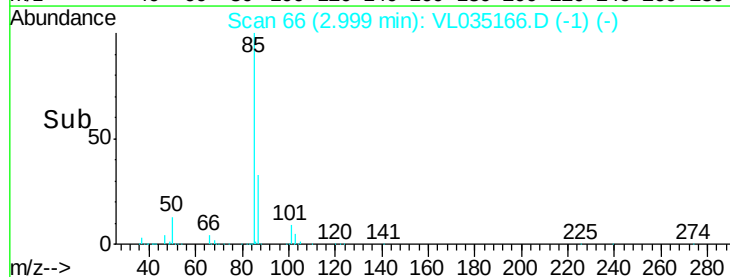
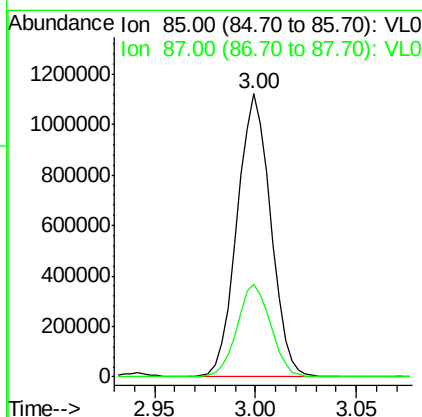
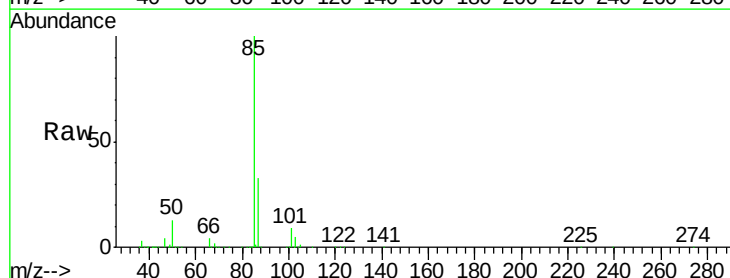
Manual Integrations
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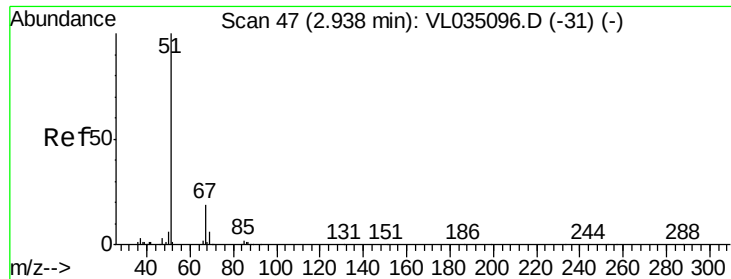
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#2
Dichlorodifluoromethane
Concen: 9.439 ppbv
RT: 3.00 min Scan# 66
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 85 Resp: 1315493
Ion Ratio Lower Upper
85 100
87 32.8 26.1 39.1





#3

Chlorodifluoromethane

Concen: 10.248 ppbv

RT: 2.94 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Tot Ion: 51 Resp: 1168445

Ion Ratio Lower Upper

51 100

67 19.0 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

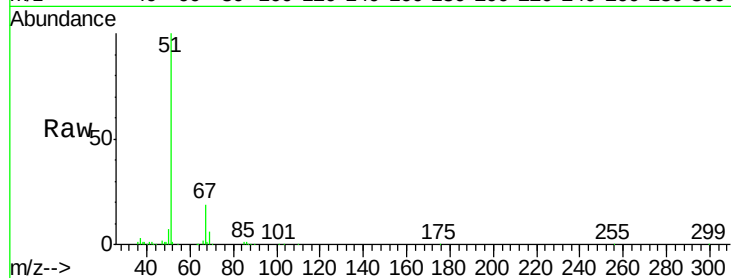
VSTDCCC010EC

Manual Integrations

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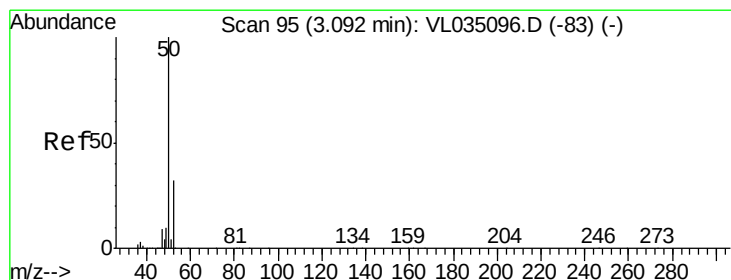
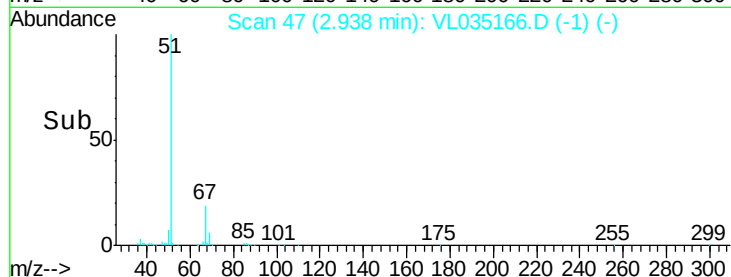
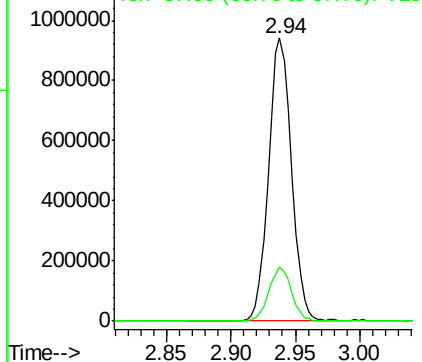
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.586 ppbv

RT: 3.09 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL035166.D

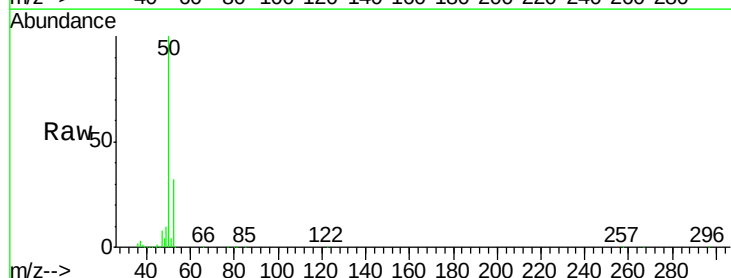
Acq: 7 Jul 2020 6:32

Tgt Ion: 50 Resp: 676581

Ion Ratio Lower Upper

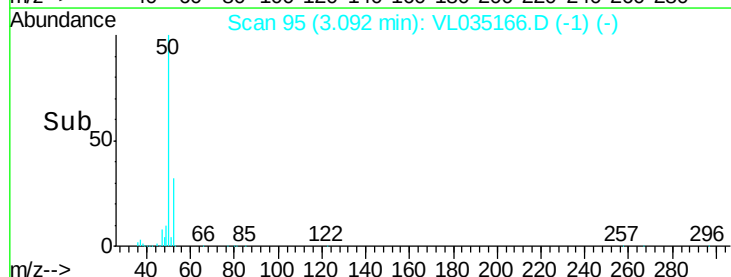
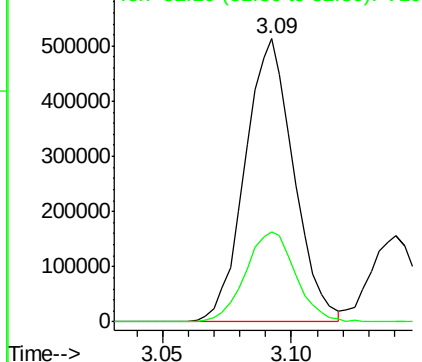
50 100

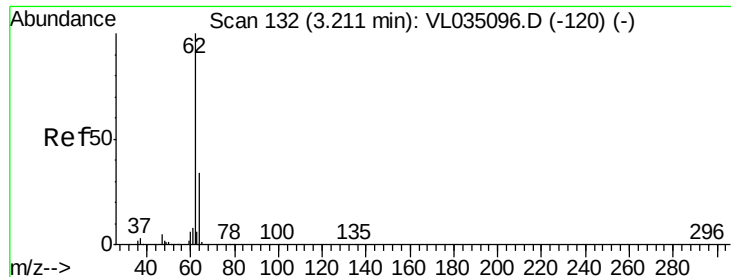
52 31.9 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.898 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 662410

Ion Ratio Lower Upper

62 100

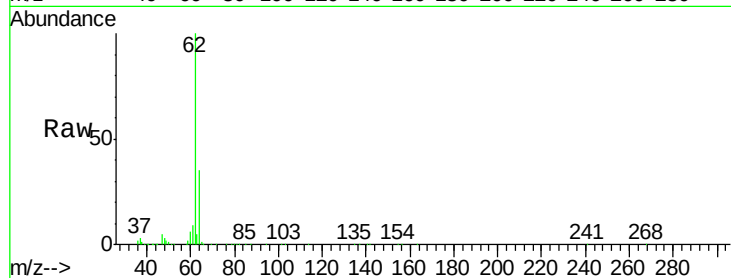
64 34.6 27.0 40.4

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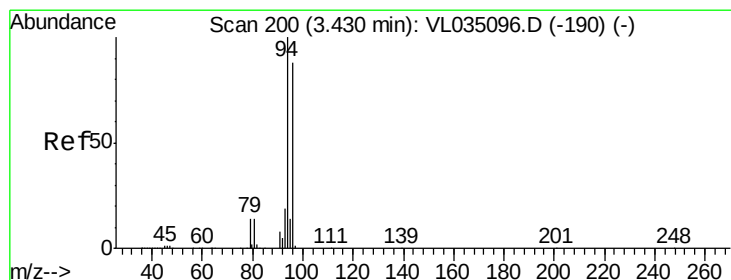
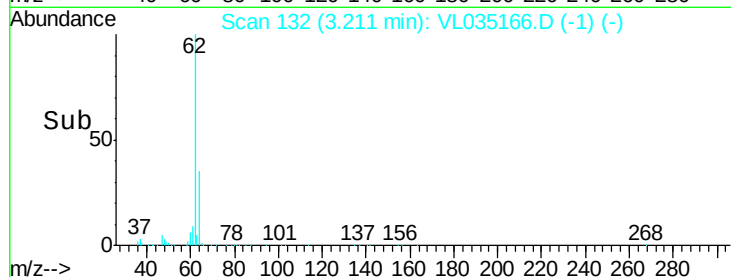
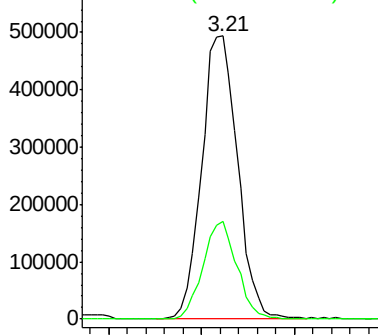
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.678 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035166.D

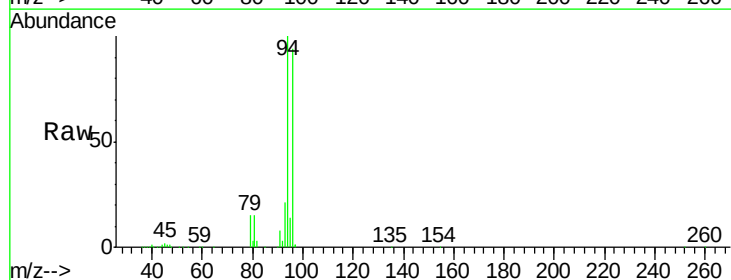
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Tgt Ion: 94 Resp: 403017

Ion Ratio Lower Upper

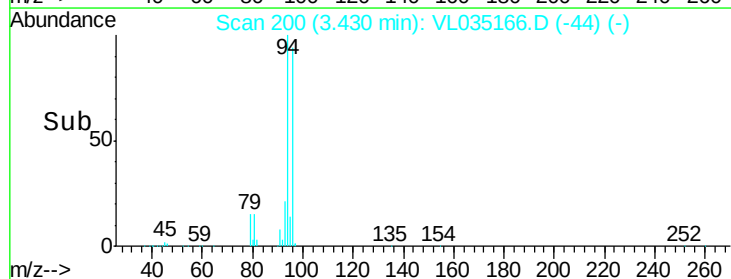
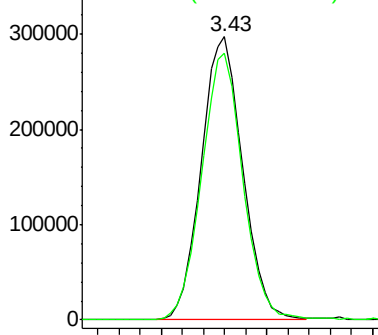
94 100

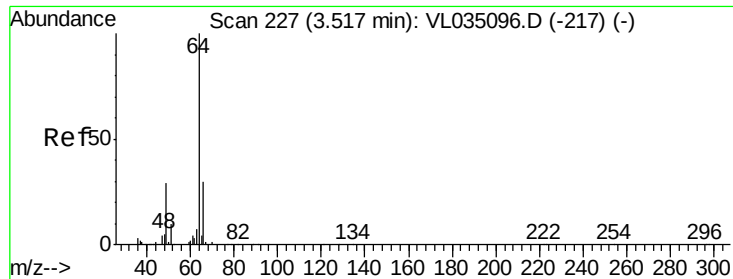
96 94.0 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 11.036 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 252944

Ion Ratio Lower Upper

64 100

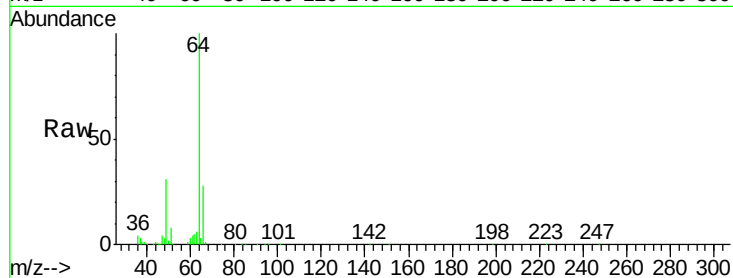
66 27.7 24.2 36.4

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.51

200000

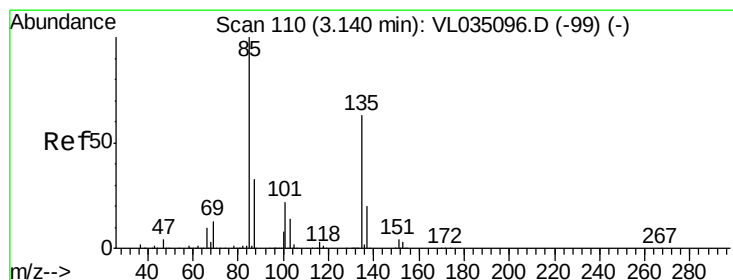
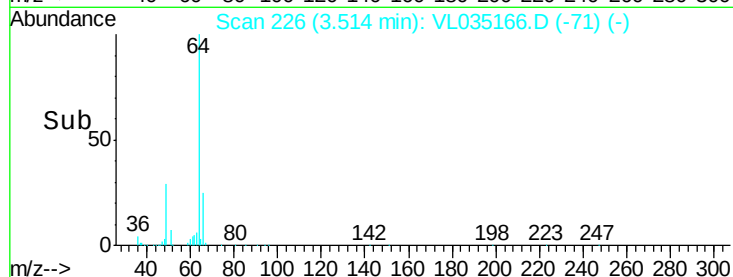
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.261 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035166.D

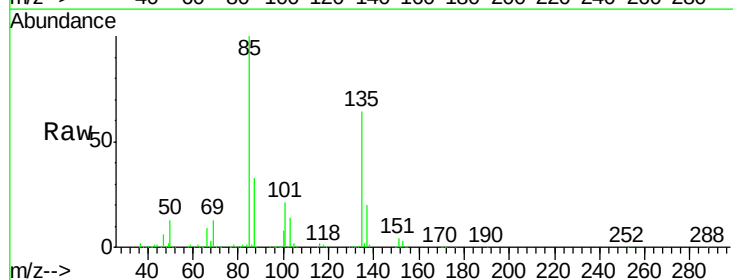
Acq: 7 Jul 2020 6:32

Tgt Ion: 85 Resp: 1533375

Ion Ratio Lower Upper

85 100

135 64.1 51.0 76.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

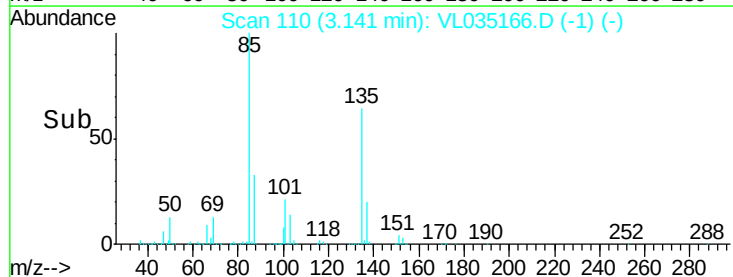
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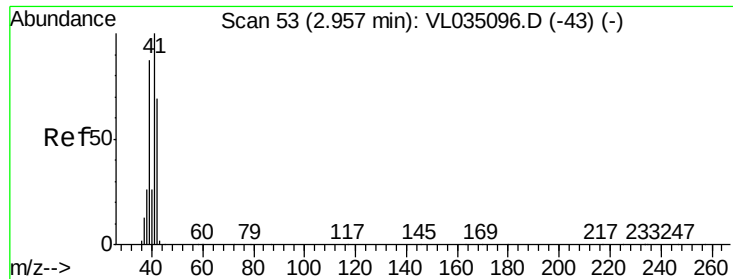
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500000

0

Time-->





#9

Propene

Concen: 11.146 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 503222

Ion Ratio Lower Upper

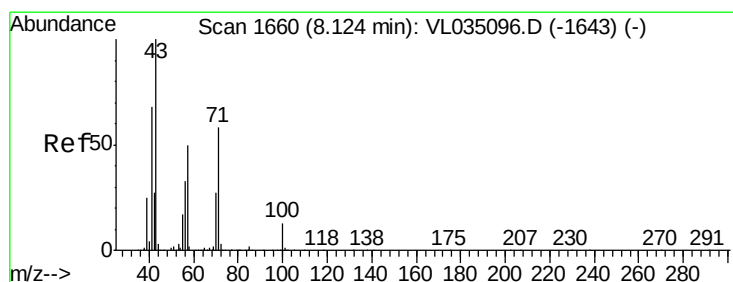
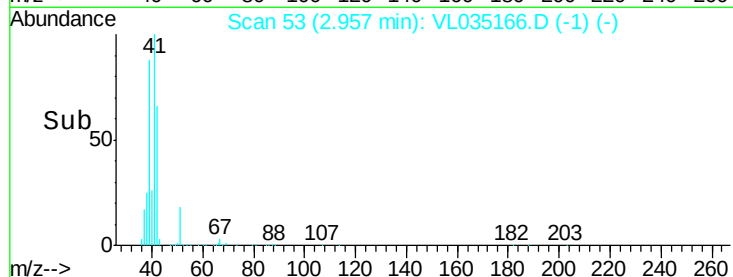
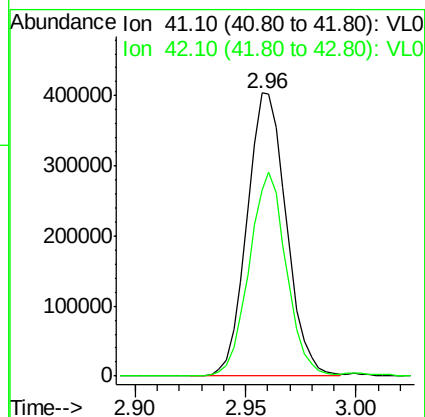
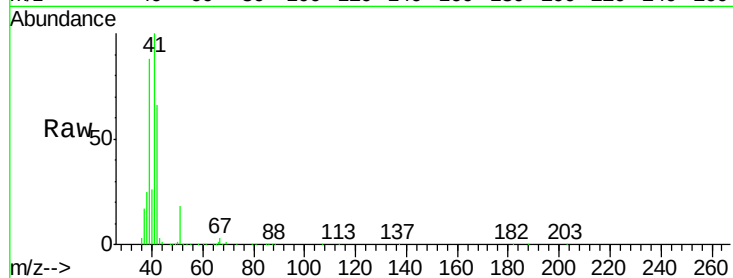
41 100

42 69.1 55.8 83.6

Manual Integrations
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#10

Heptane

Concen: 11.378 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VL035166.D

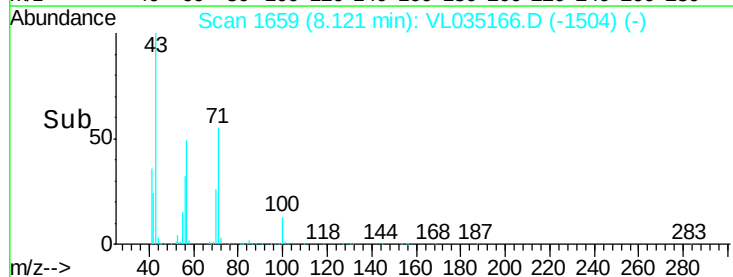
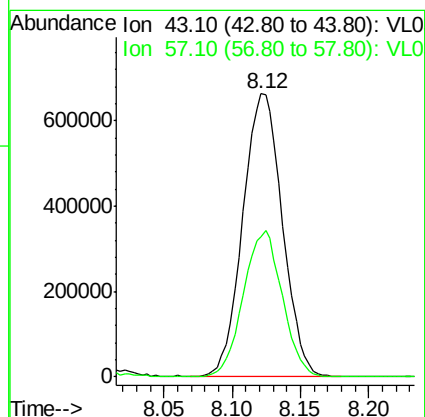
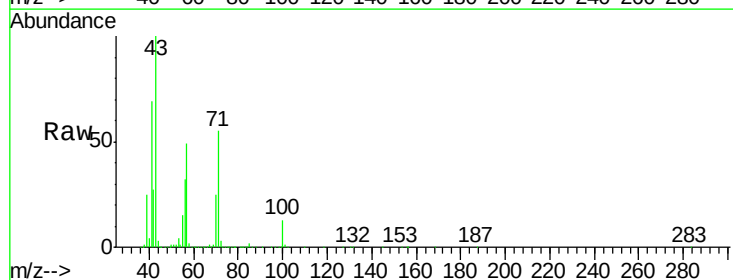
Acq: 7 Jul 2020 6:32

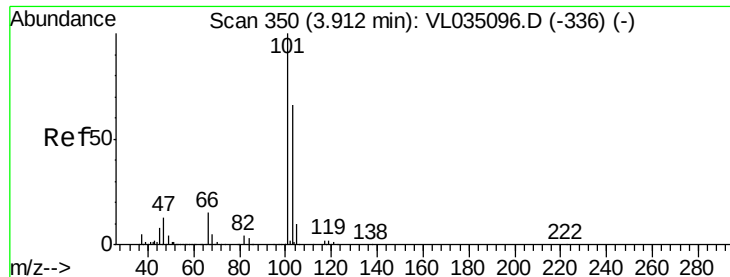
Tgt Ion: 43 Resp: 1331264

Ion Ratio Lower Upper

43 100

57 50.8 41.9 62.9





#11

Trichlorofluoromethane

Concen: 10.448 ppbv

RT: 3.91 min Scan# 349

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1555615

Ion Ratio Lower Upper

101 100

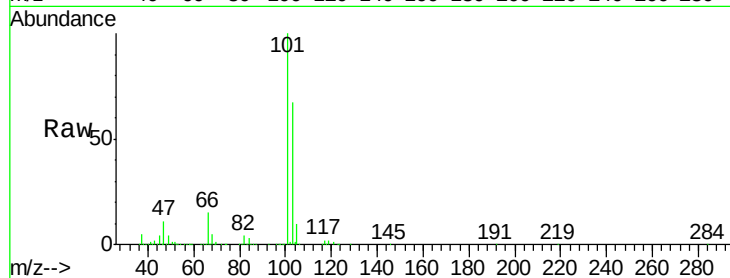
103 66.6 52.6 79.0

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1200000

1000000

800000

600000

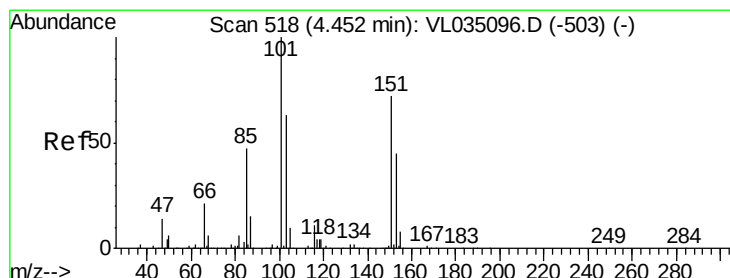
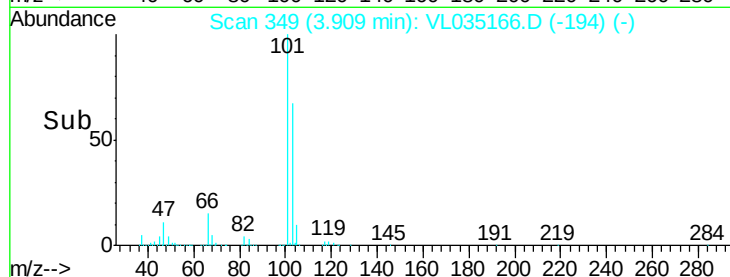
400000

200000

0

3.85 3.90 3.95

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.786 ppbv

RT: 4.45 min Scan# 518

Delta R.T. 0.00 min

Lab File: VL035166.D

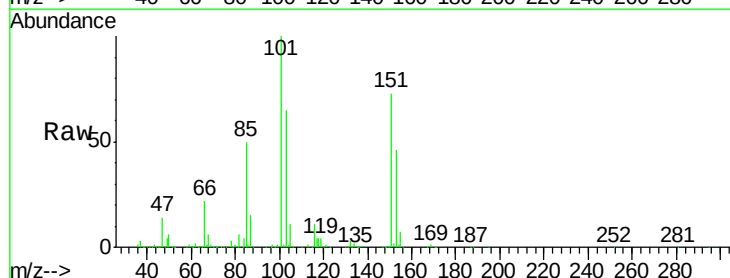
Acq: 7 Jul 2020 6:32

Tgt Ion:101 Resp: 1110482

Ion Ratio Lower Upper

101 100

151 71.7 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

600000

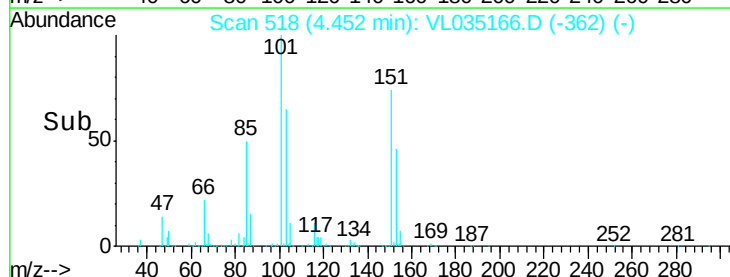
400000

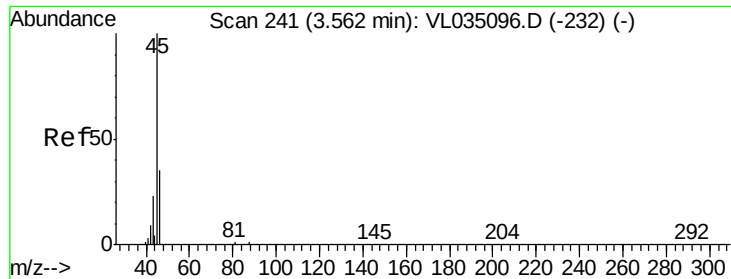
200000

0

4.40 4.45 4.50

Time-->





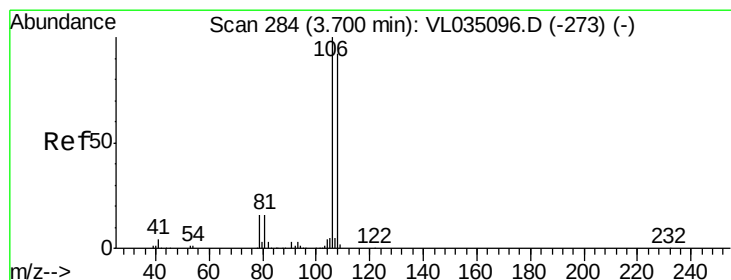
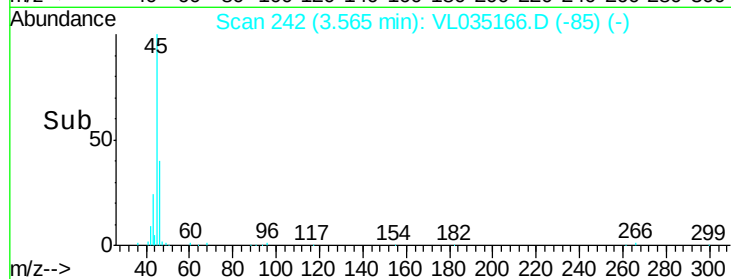
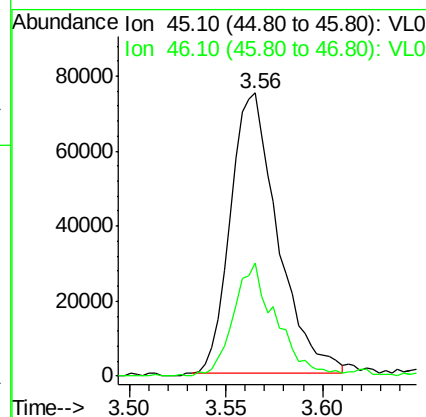
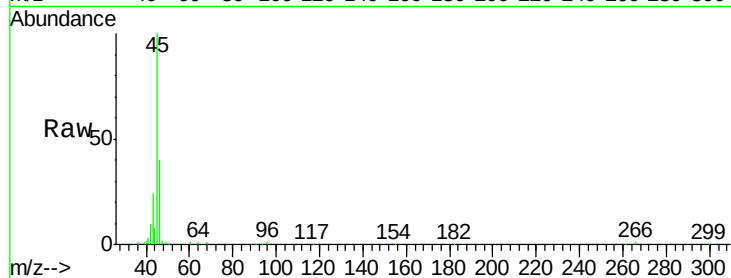
#13
Ethanol
Concen: 7.450 ppbv
RT: 3.56 min Scan# 242
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 127067
Ion Ratio Lower Upper
45 100
46 37.5 14.2 57.0

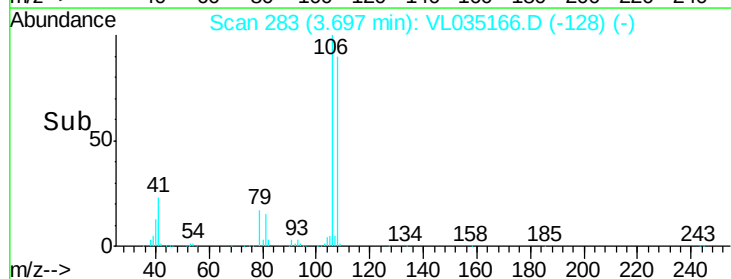
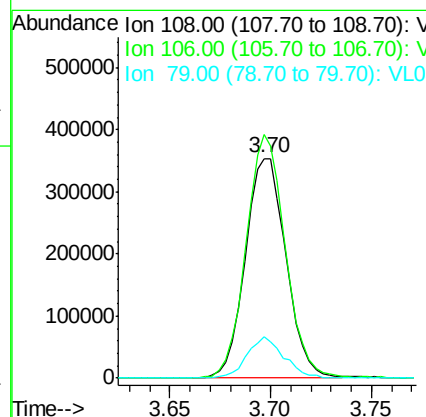
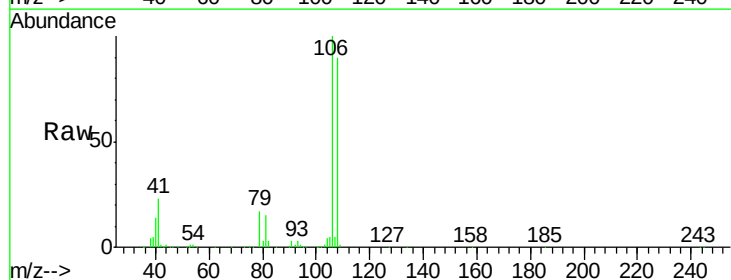
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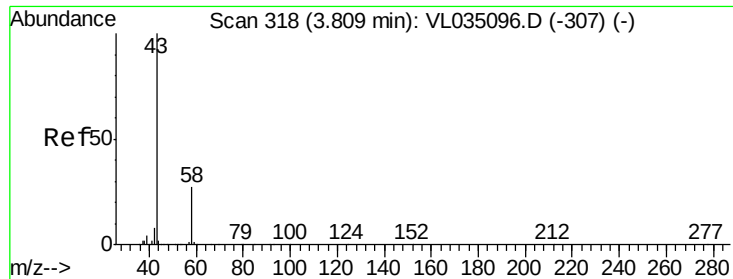
MMDadoda
7/9/2020 12:01:43 PM



#14
Bromoethene
Concen: 11.285 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 108 Resp: 500819
Ion Ratio Lower Upper
108 100
106 107.5 84.4 126.6
79 17.2 14.2 21.2





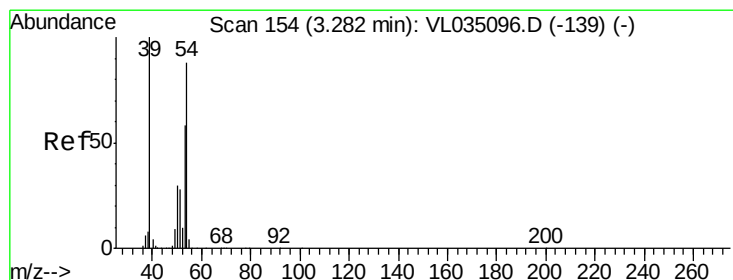
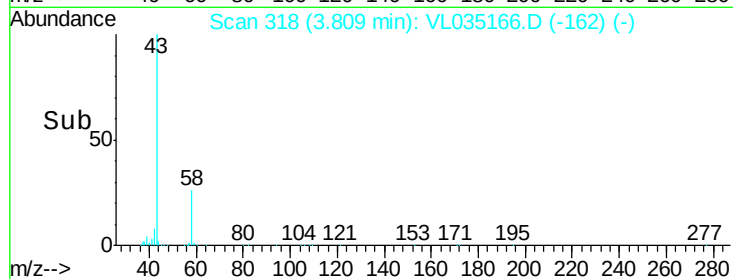
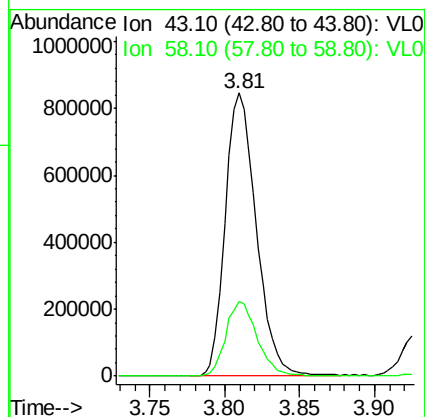
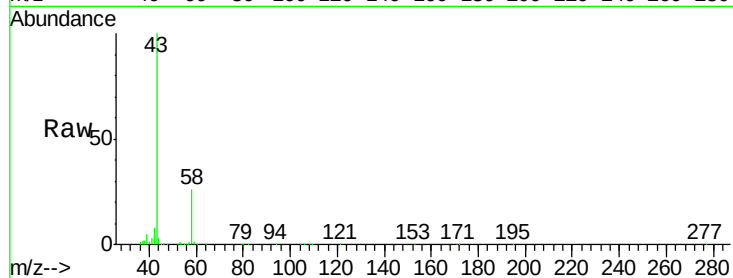
#15
Acetone
Concen: 9.800 ppbv
RT: 3.81 min Scan# 318
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1222835
Ion Ratio Lower Upper
43 100
58 26.9 21.8 32.6

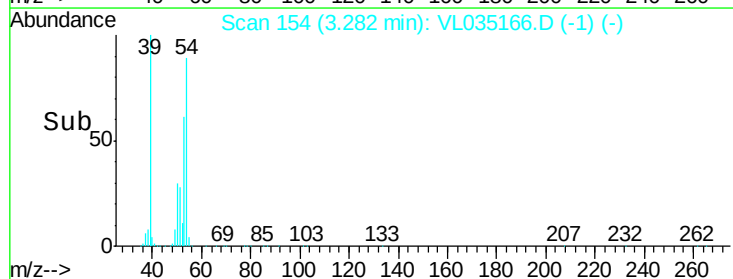
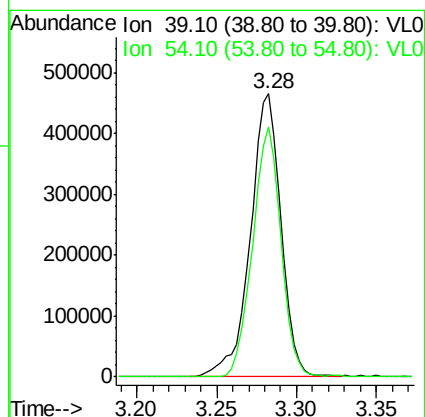
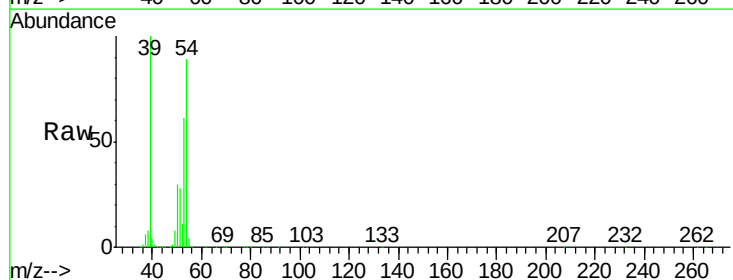
Manual Integrations
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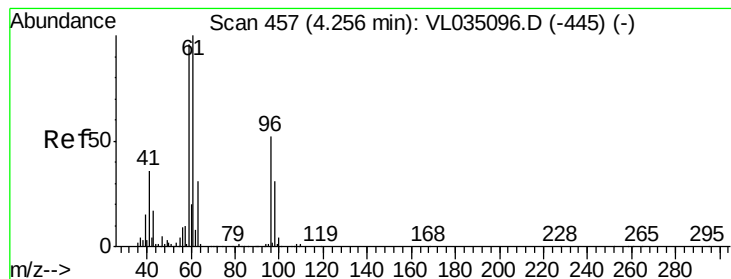
MMDadoda
7/9/2020 12:01:43 PM



#16
1,3-Butadiene
Concen: 11.135 ppbv
RT: 3.28 min Scan# 154
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 39 Resp: 609430
Ion Ratio Lower Upper
39 100
54 82.7 67.0 100.4





#17

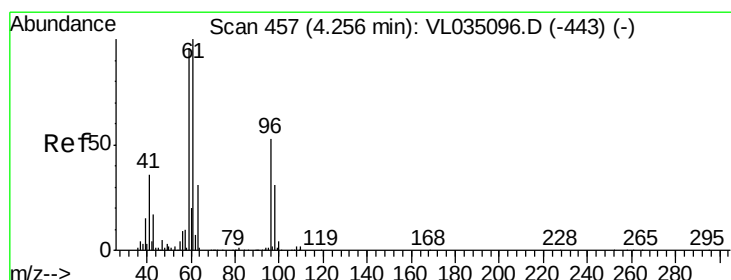
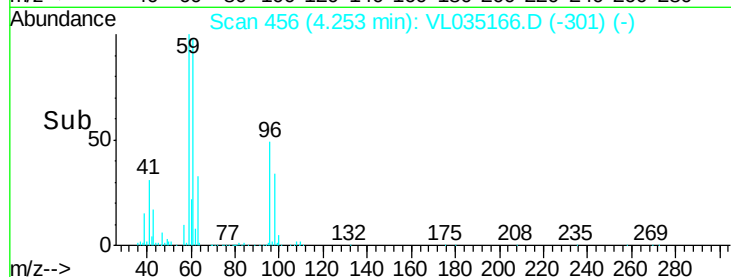
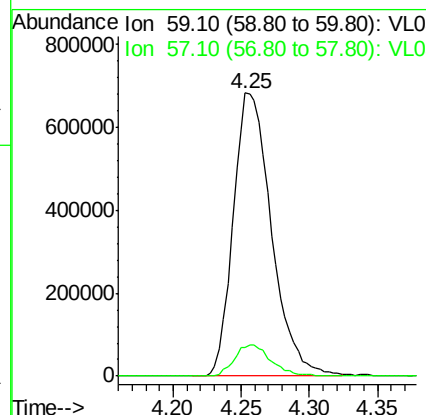
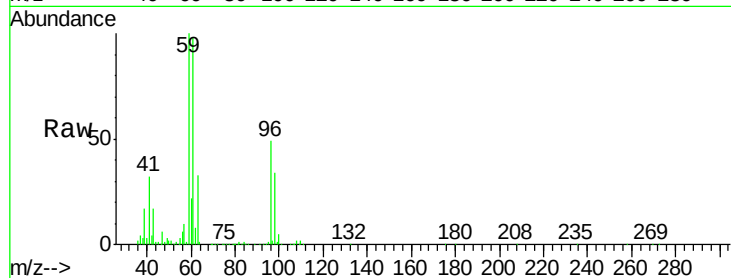
tert-Butyl alcohol
Concen: 12.021 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1329408
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

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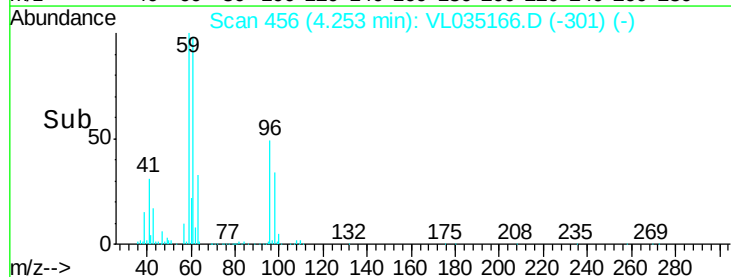
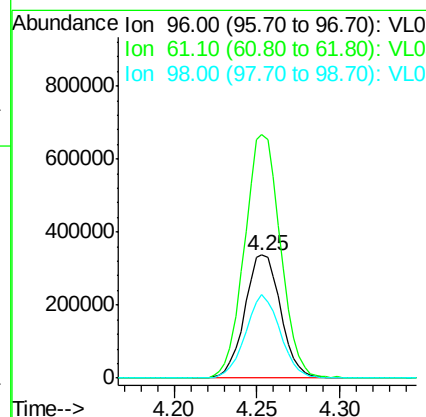
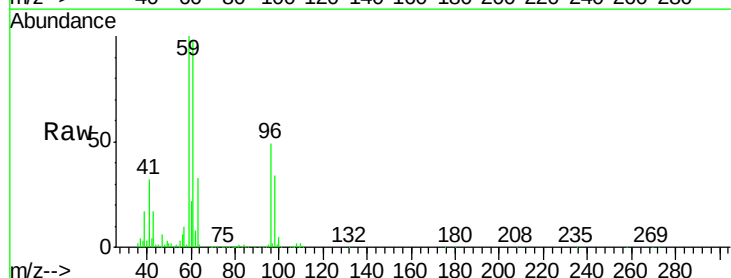
MMDadoda
7/9/2020 12:01:43 PM

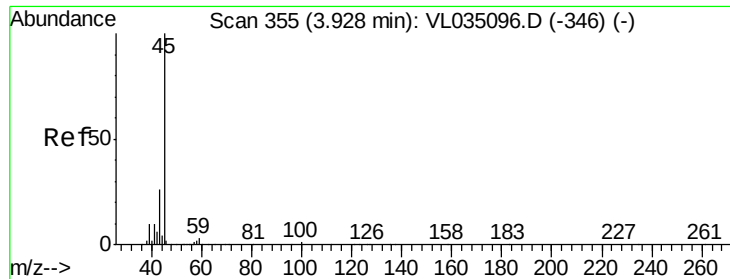


#18

1,1-Dichloroethene
Concen: 10.972 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 96 Resp: 509478
Ion Ratio Lower Upper
96 100
61 198.2 152.2 228.4
98 68.3 47.7 71.5





#19

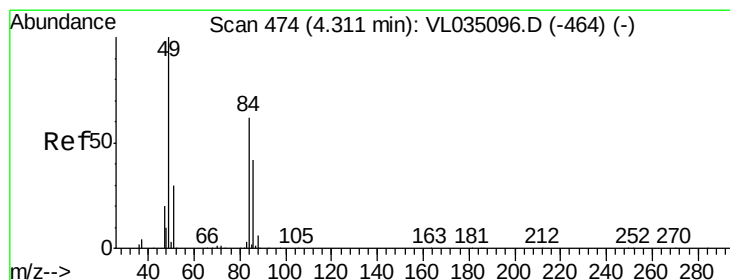
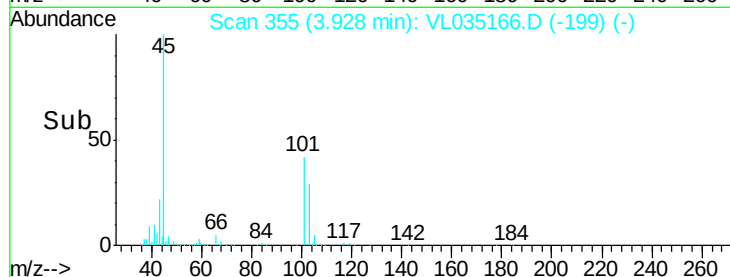
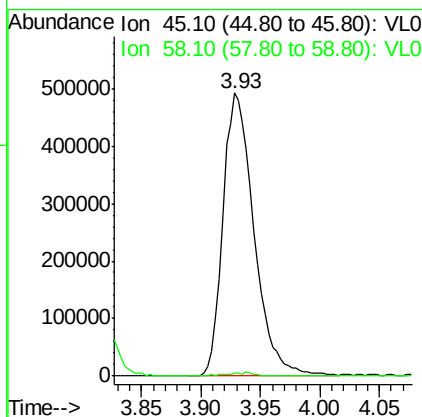
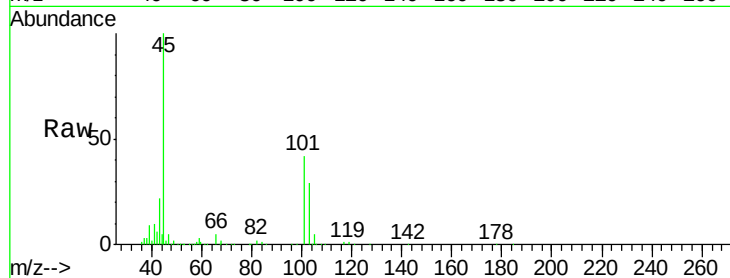
Isopropyl Alcohol
 Concen: 10.994 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	45	Resp	890808
Ion Ratio	100	Lower	Upper
45	100		
58	1.5	1.8	2.8#

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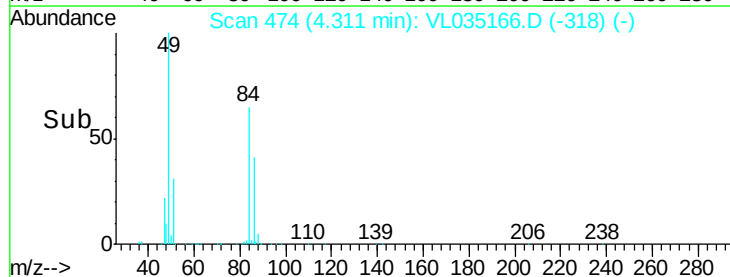
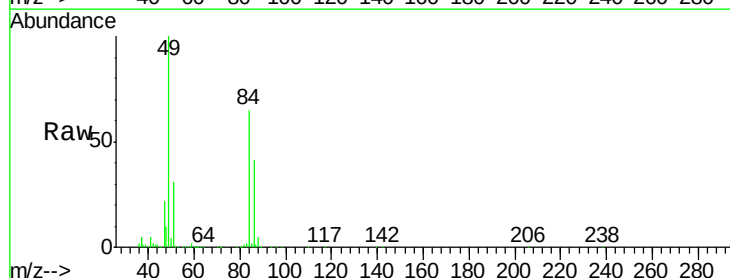
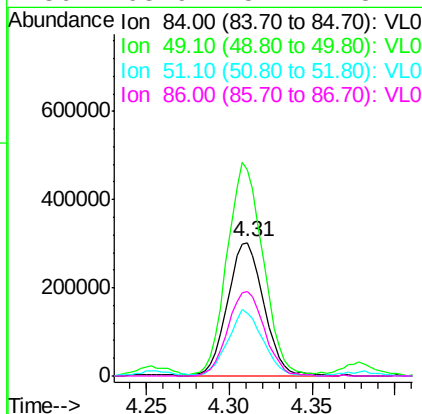
MMDadoda
 7/9/2020 12:01:43 PM

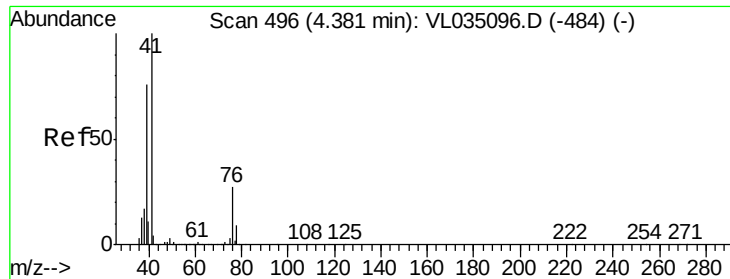


#20

Methylene Chloride
 Concen: 9.081 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion	84	Resp	458614
Ion Ratio	100	Lower	Upper
84	100		
49	153.4	128.8	193.2
51	45.8	38.7	58.1
86	63.9	54.1	81.1





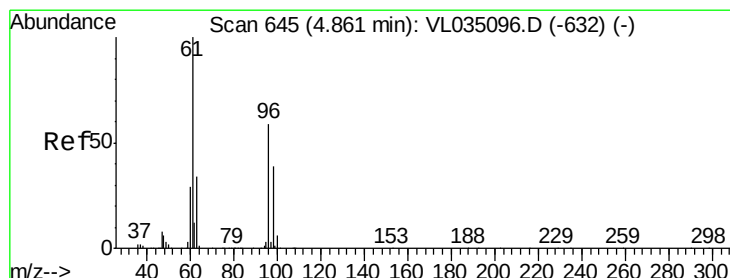
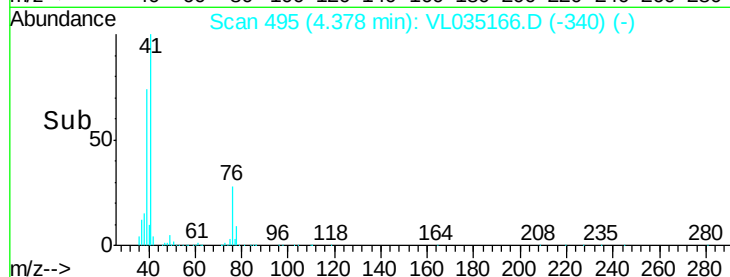
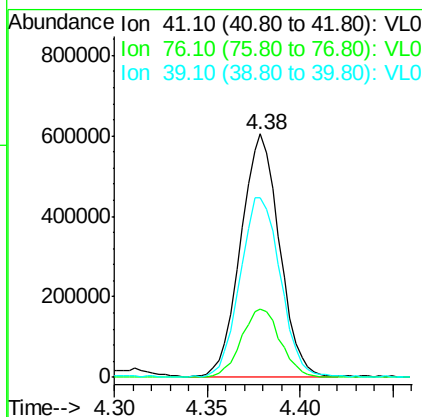
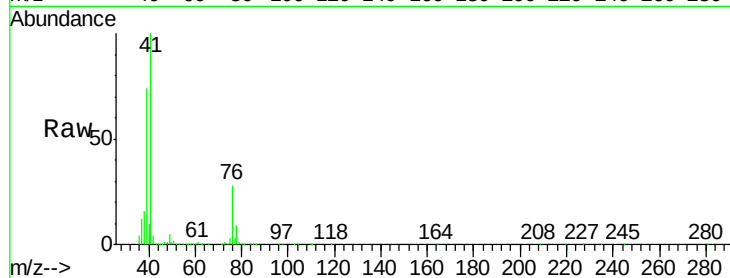
#21
Allvl Chloride
Concen: 11.817 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.6	22.6	34.0
39	77.2	61.6	92.4

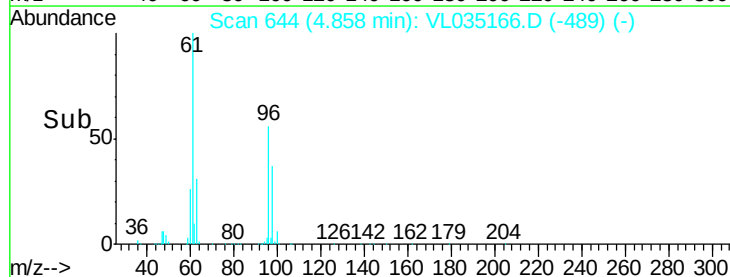
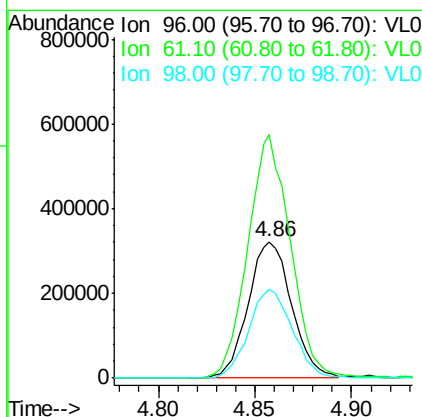
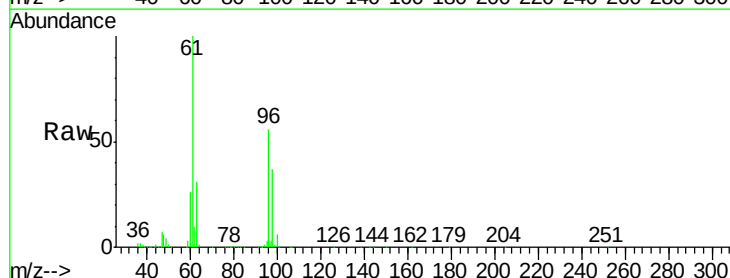
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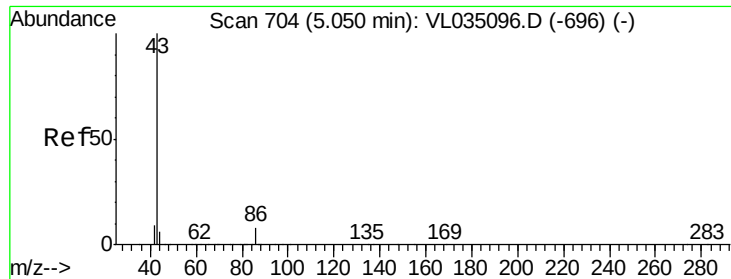
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#22
trans-1,2-Dichloroethene
Concen: 11.618 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.6	134.5	201.7
98	65.2	52.6	79.0





#23

Vinyl Acetate

Concen: 12.009 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1818934

Ion Ratio Lower Upper

43 100

86 7.3 6.2 9.2

42 9.8 8.1 12.1

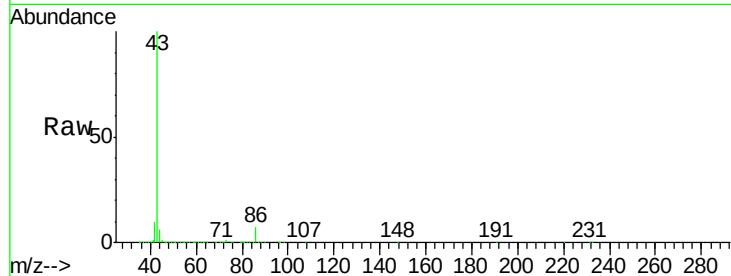
44 5.4 4.6 7.0

Manual Integrations

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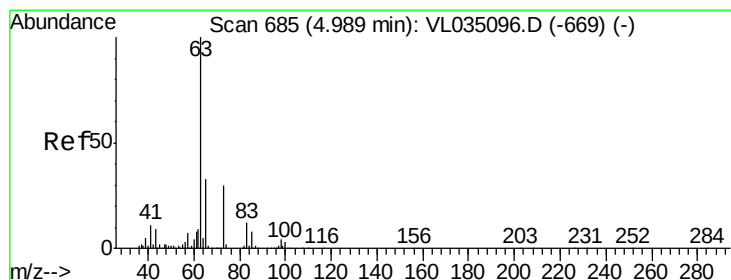
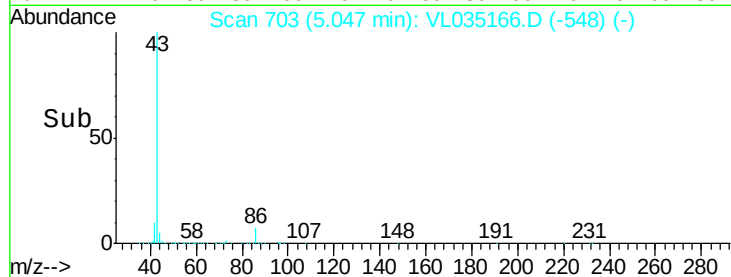
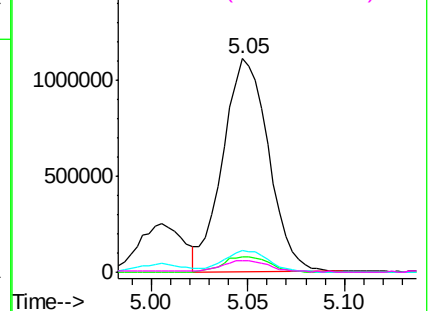


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.559 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

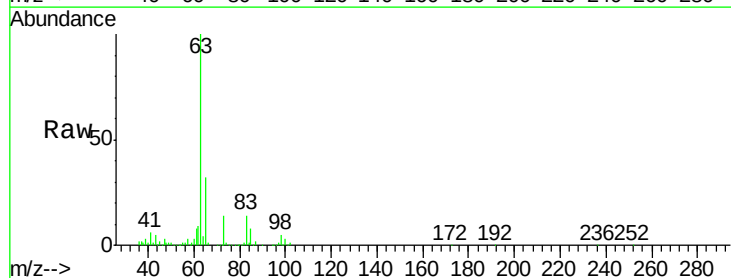
Tgt Ion: 63 Resp: 1348361

Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.9

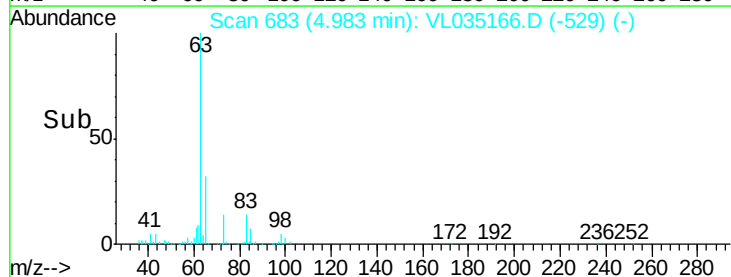
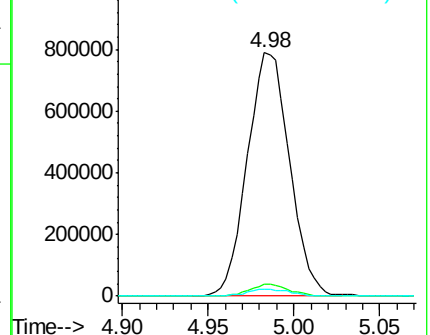
100 2.6 1.4 4.0

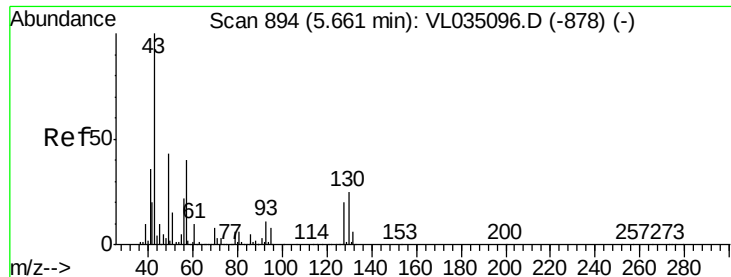


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.452 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2353758

Ion Ratio Lower Upper

43 100

45 10.6 8.4 12.6

61 9.8 8.0 12.0

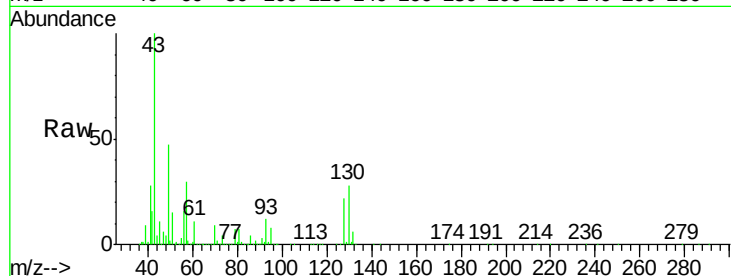
70 7.7 6.3 9.5

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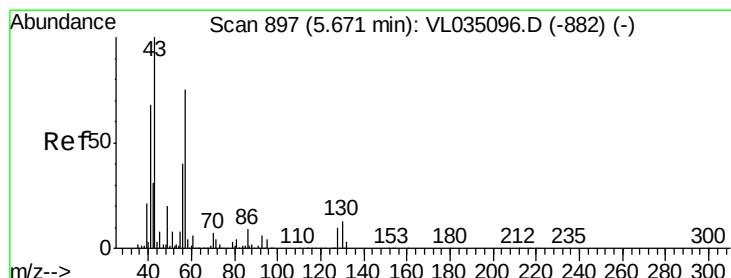
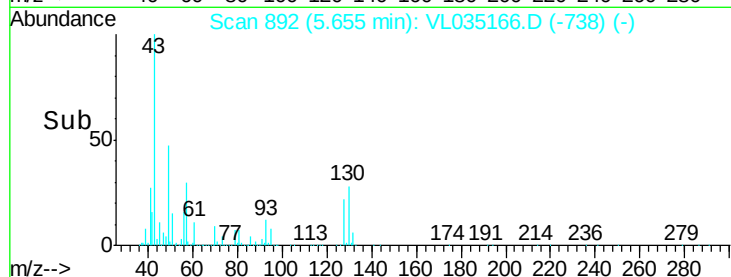
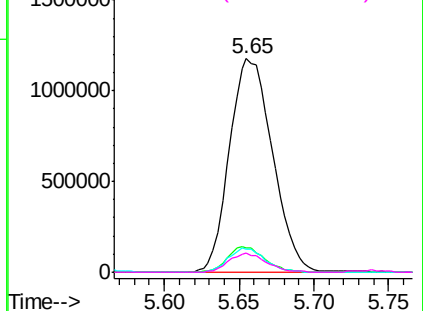


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.333 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Tgt Ion: 57 Resp: 1049164

Ion Ratio Lower Upper

57 100

41 90.1 72.9 109.3

43 225.7 181.3 271.9

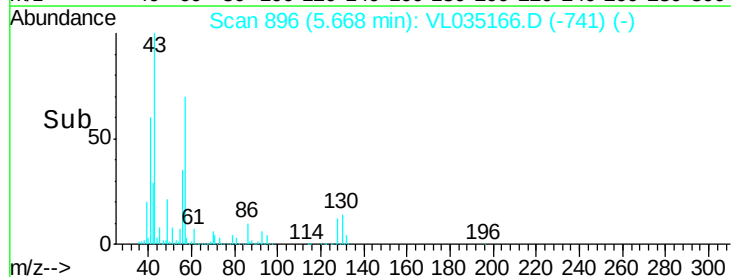
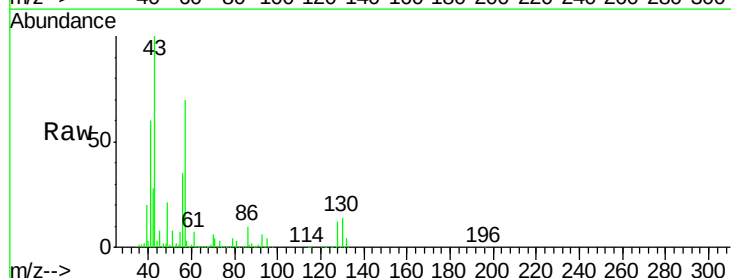
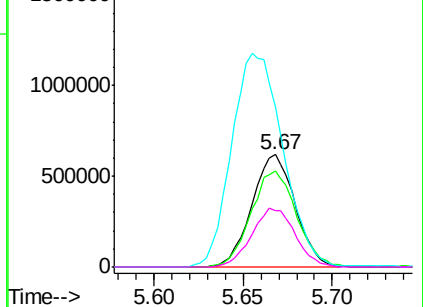
56 52.6 43.1 64.7

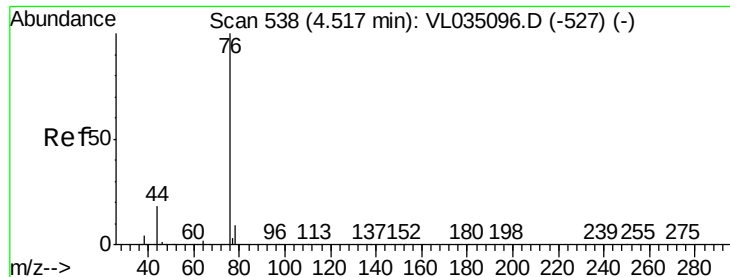
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 13.579 ppbv

RT: 4.52 min Scan# 538

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1426813

Ion Ratio Lower Upper

76 100

44 18.7 15.8 23.8

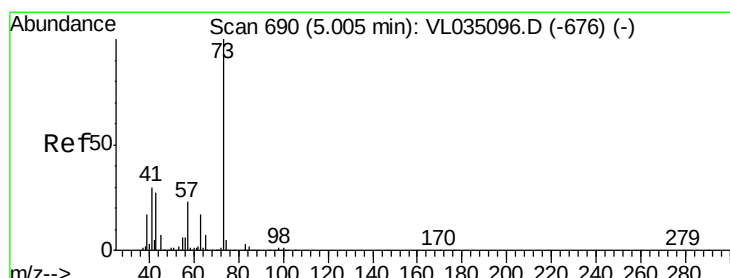
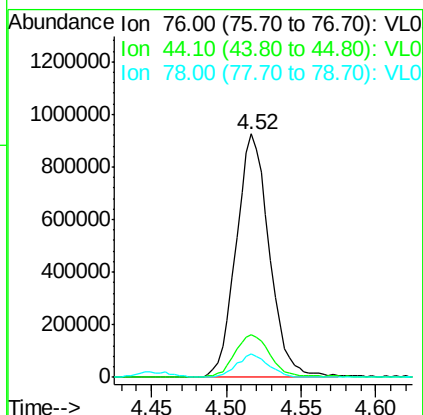
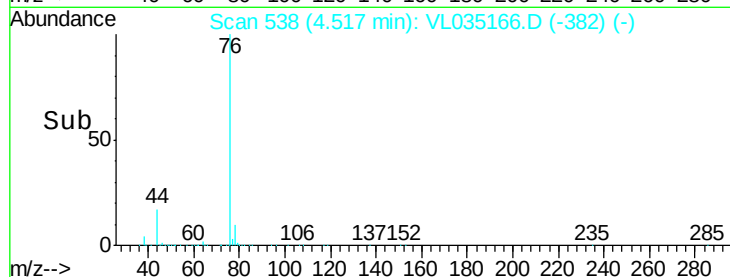
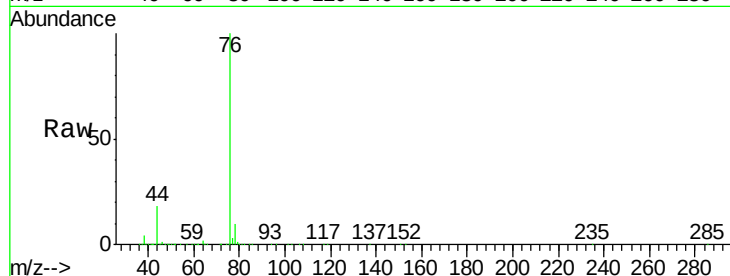
78 9.5 7.6 11.4

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#28

Methyl tert-Butyl Ether

Concen: 11.642 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL035166.D

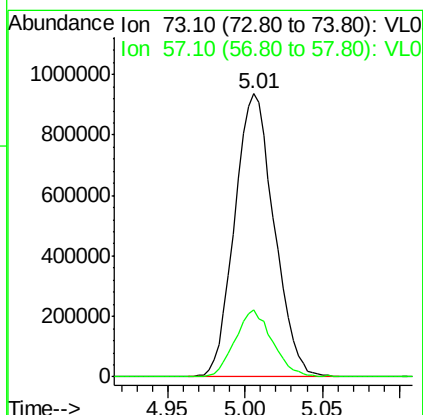
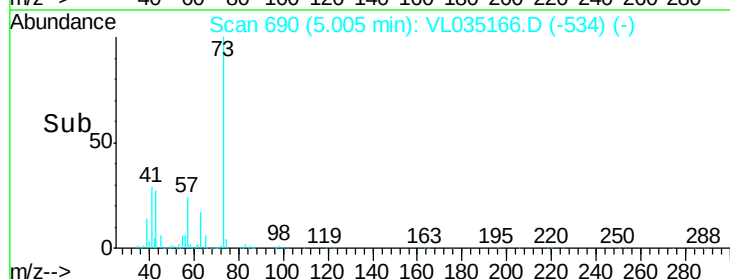
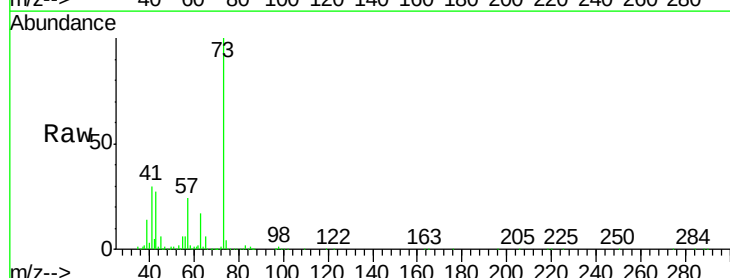
Acq: 7 Jul 2020 6:32

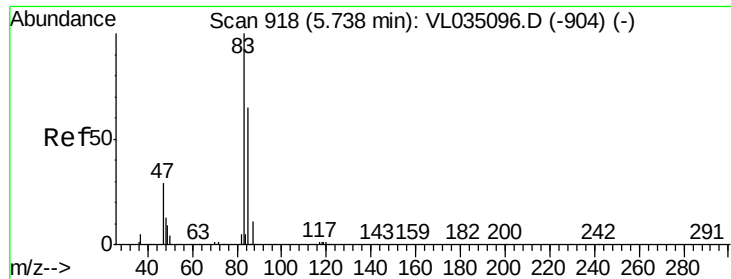
Tgt Ion: 73 Resp: 1660891

Ion Ratio Lower Upper

73 100

57 22.5 18.5 27.7





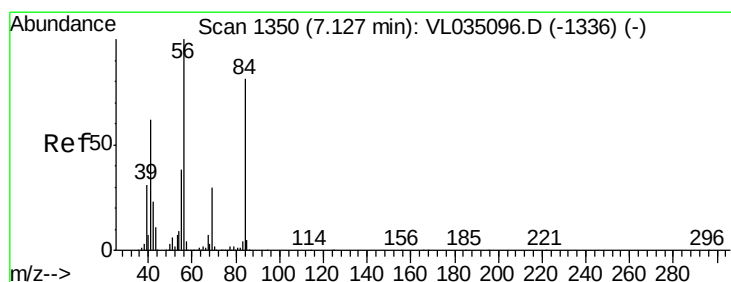
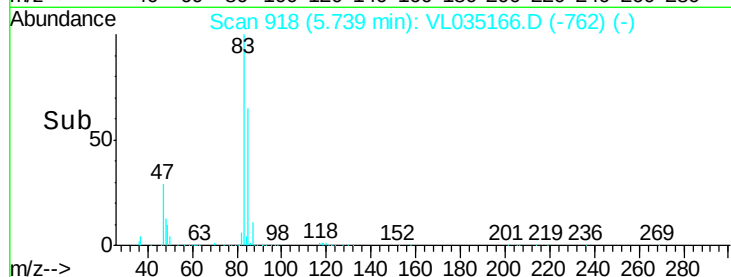
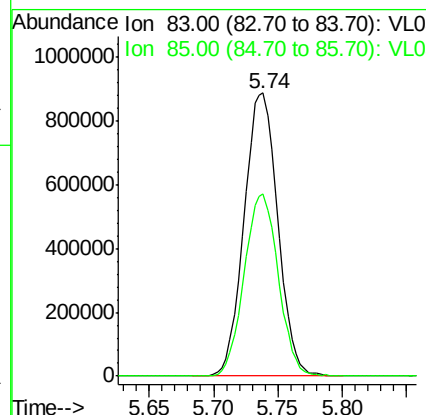
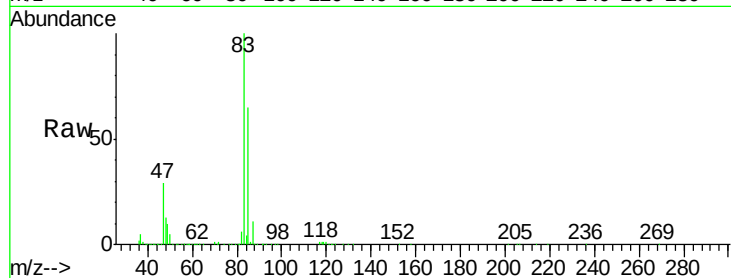
#29
Chloroform
Concen: 10.171 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1616093
Ion Ratio Lower Upper
83 100
85 64.4 52.1 78.1

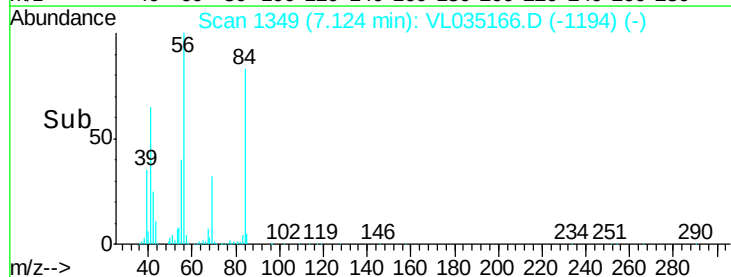
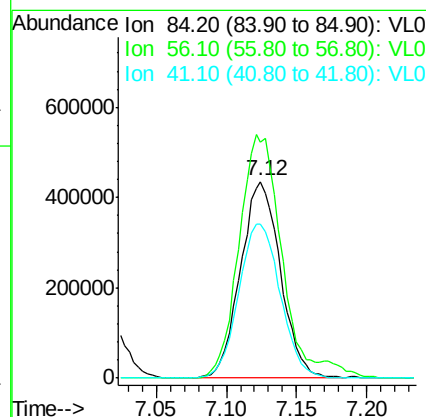
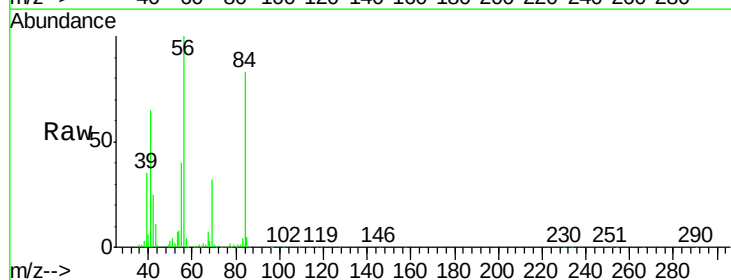
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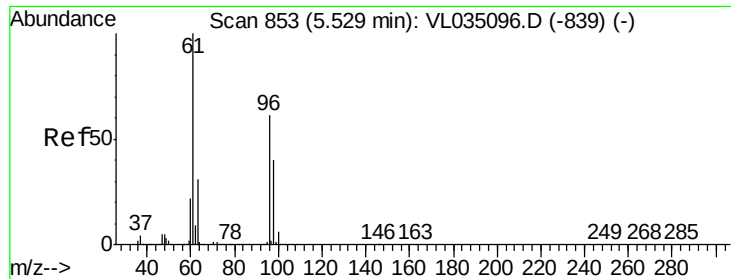
MMDadoda
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#30
Cyclohexane
Concen: 11.856 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 84 Resp: 863966
Ion Ratio Lower Upper
84 100
56 134.1 108.0 162.0
41 81.7 65.6 98.4





#31

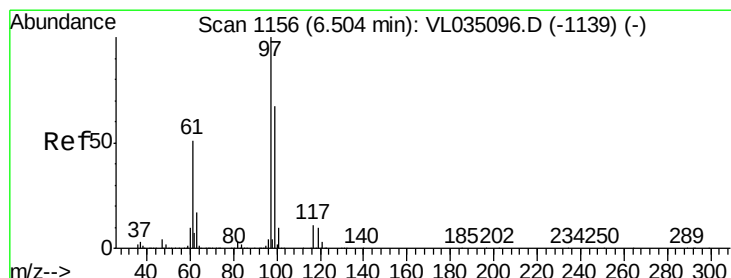
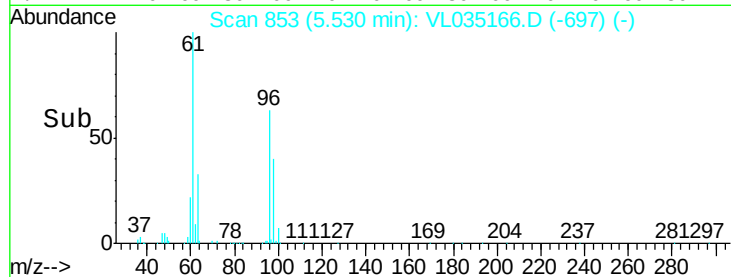
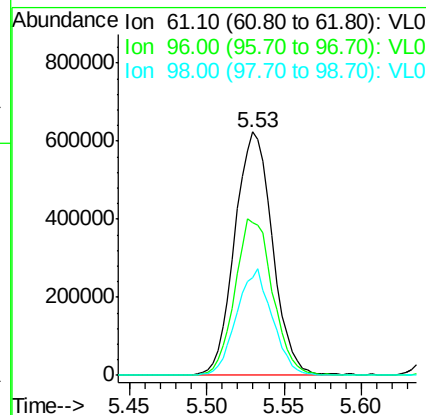
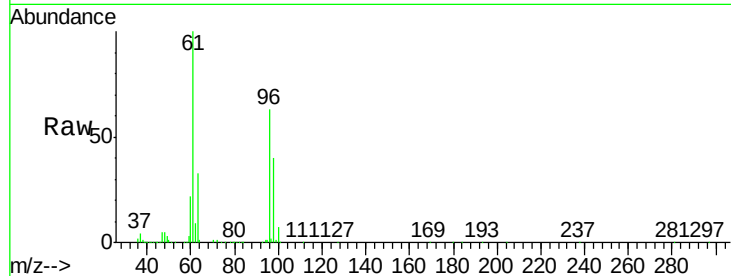
cis-1,2-Dichloroethene
 Concen: 11.292 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	61	Resp	1056836
Ion	Ratio	Lower	Upper
61	100		
96	62.8	48.8	73.2
98	39.9	31.9	47.9

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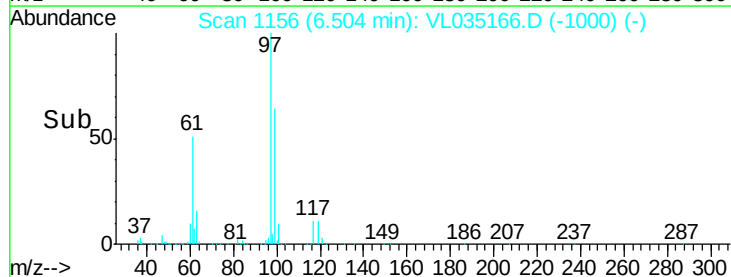
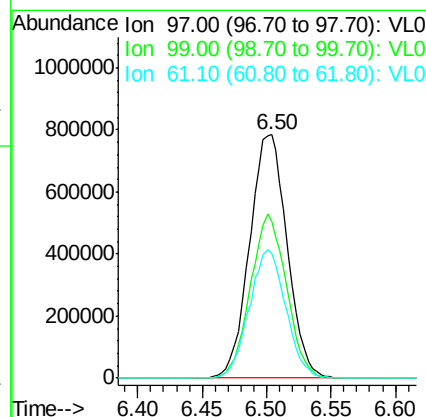
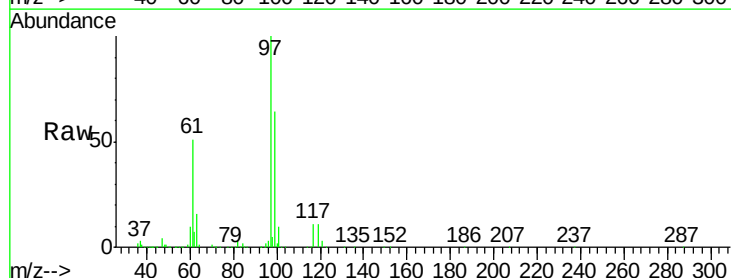
MMDadoda
 7/9/2020 12:01:43 PM

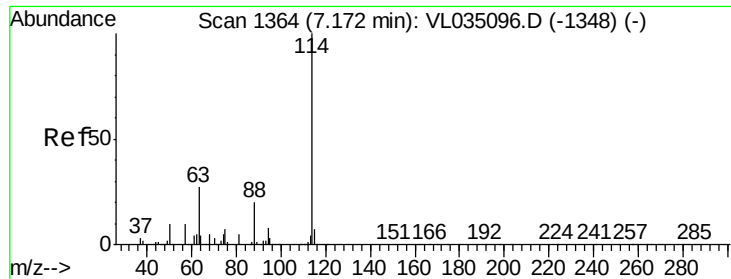


#32

1,1,1-Trichloroethane
 Concen: 10.787 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion	97	Resp	1589743
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	51.4	41.0	61.6





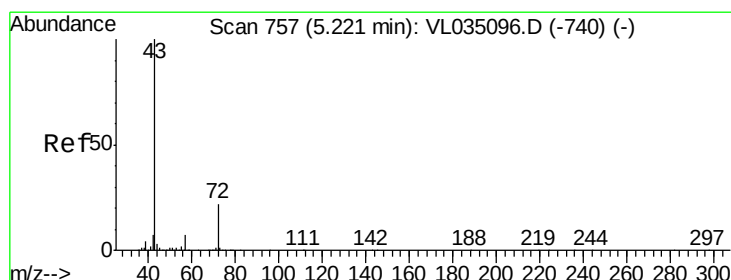
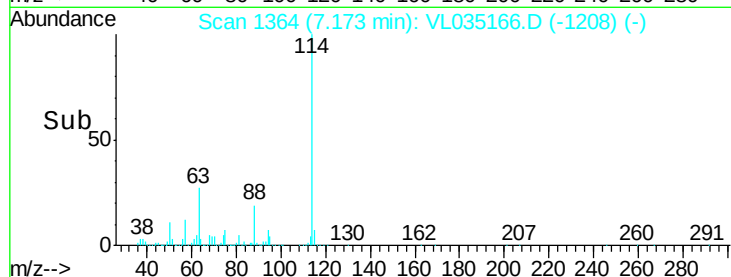
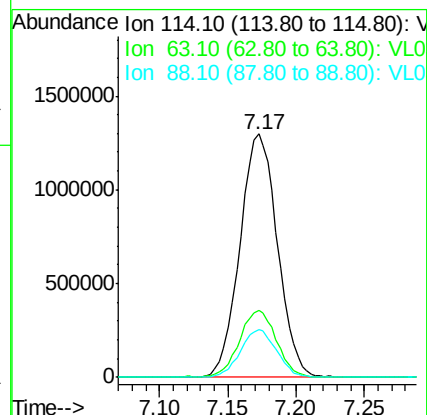
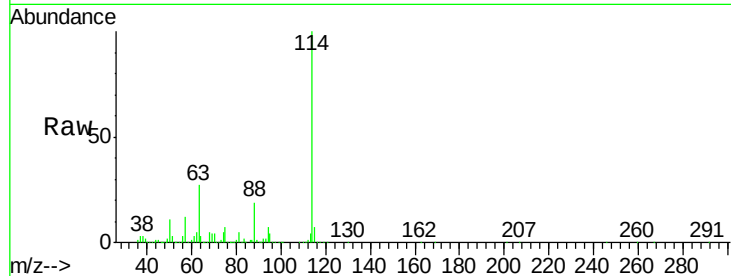
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.9	32.9
88	18.9	15.6	23.4

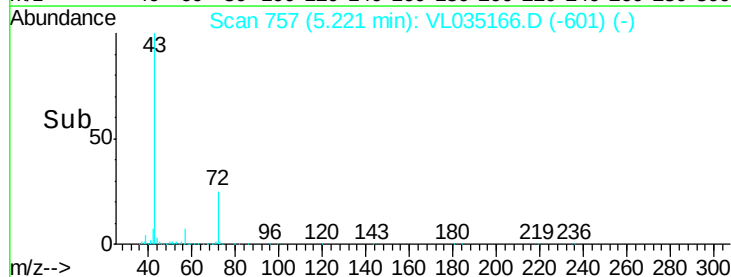
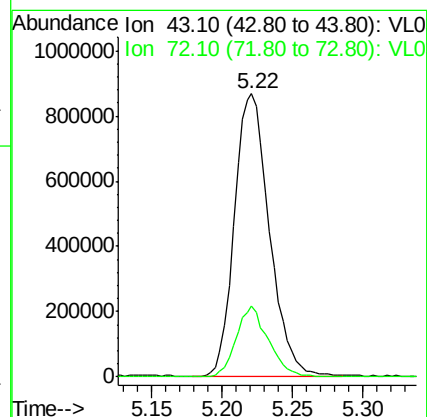
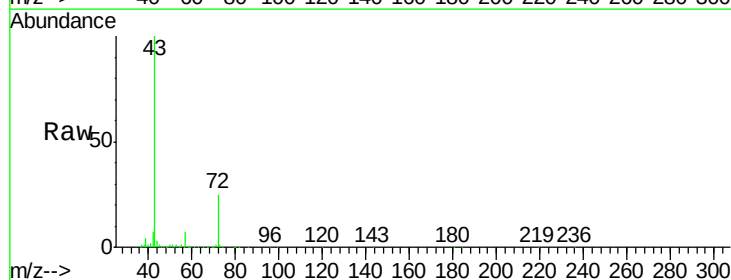
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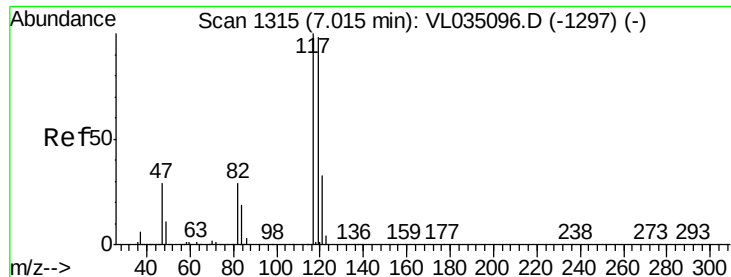
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#34
 2-Butanone
 Concen: 10.565 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.3	27.5





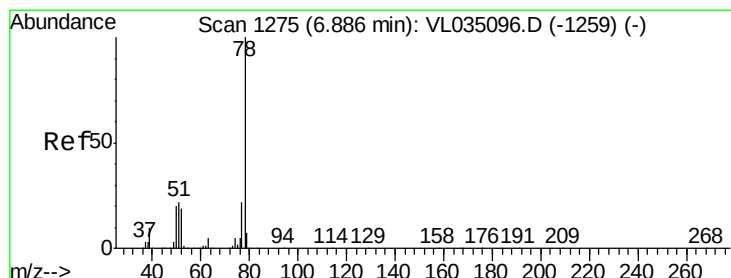
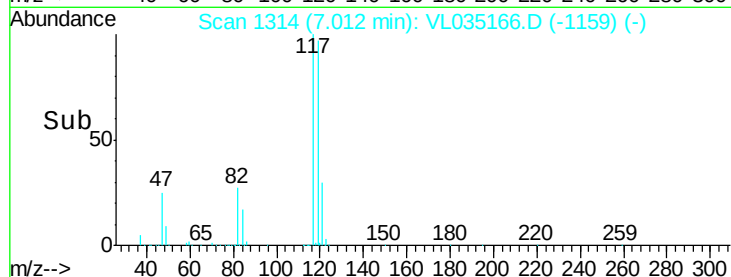
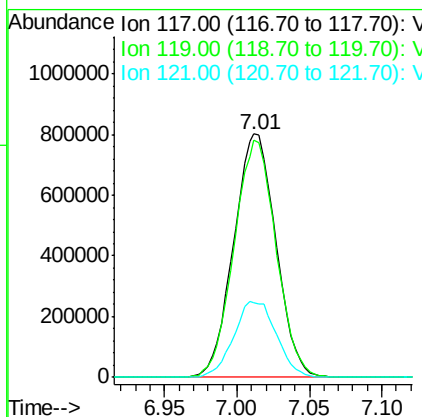
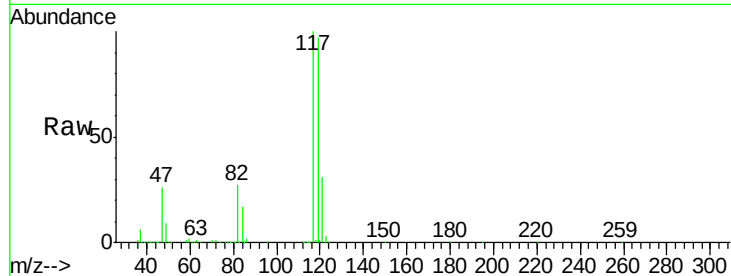
#35
Carbon Tetrachloride
Concen: 10.918 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.3	117.5
121	30.7	26.0	39.0

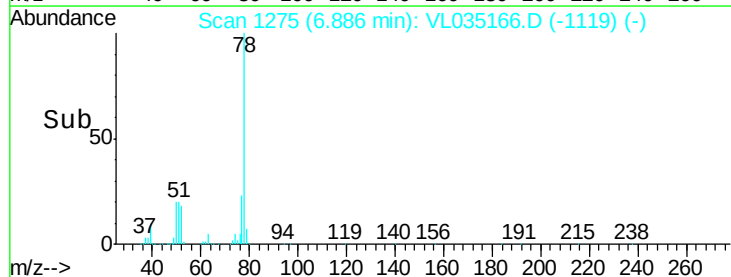
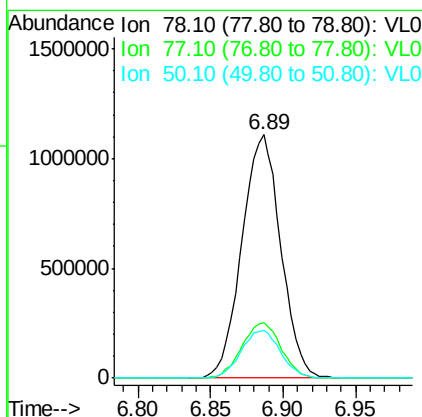
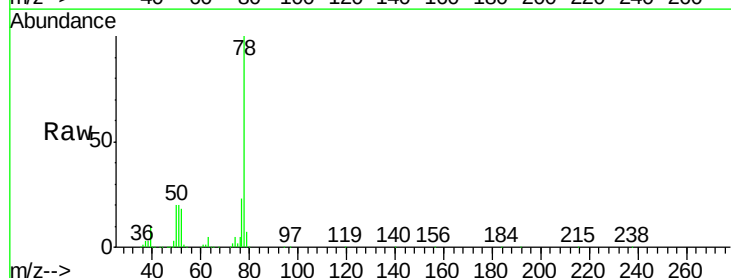
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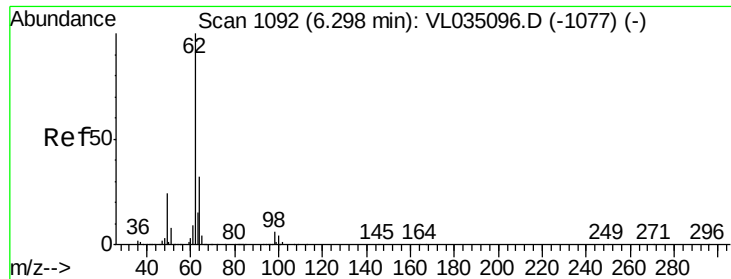
MMDadoda
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#36
Benzene
Concen: 10.783 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	17.8	26.6
50	19.6	16.2	24.2





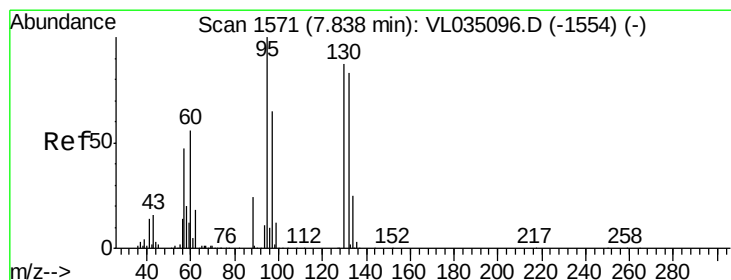
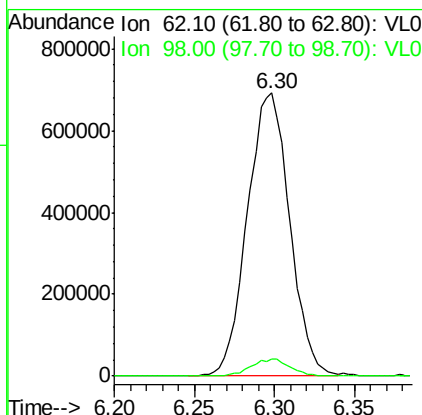
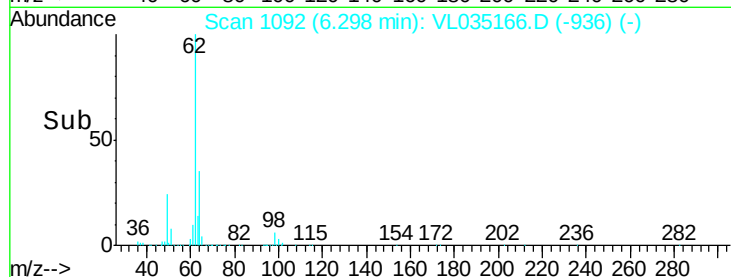
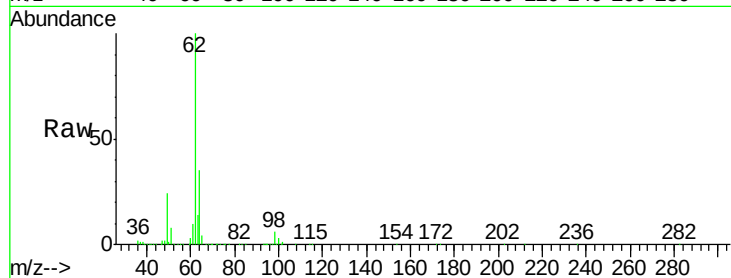
#37
 1,2-Dichloroethane
 Concen: 10.327 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1253182
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.8 7.2

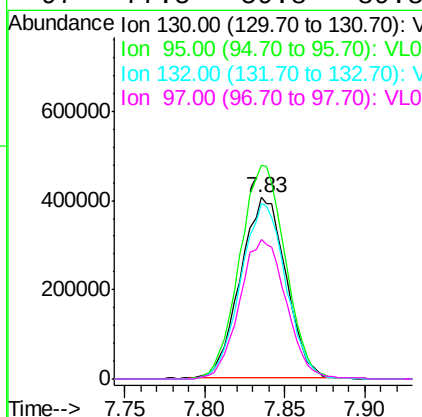
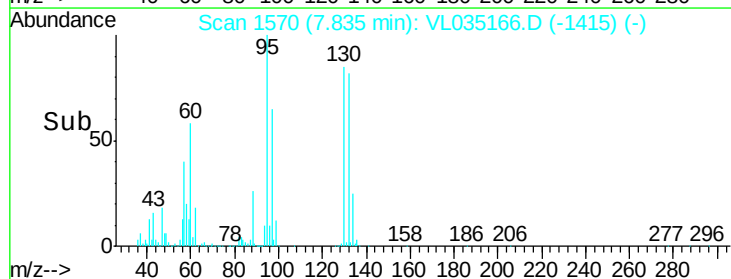
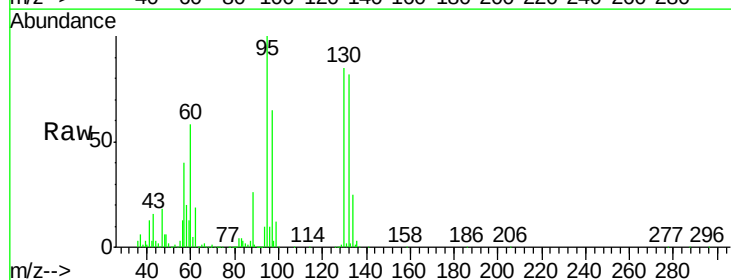
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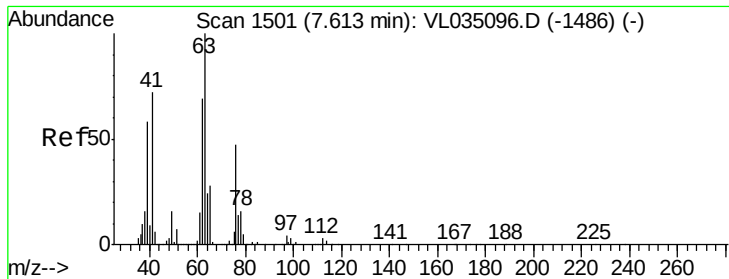
MMDadoda
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#38
 Trichloroethene
 Concen: 10.497 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion: 130 Resp: 782798
 Ion Ratio Lower Upper
 130 100
 95 118.4 91.4 137.2
 132 97.0 75.8 113.6
 97 77.5 59.8 89.8





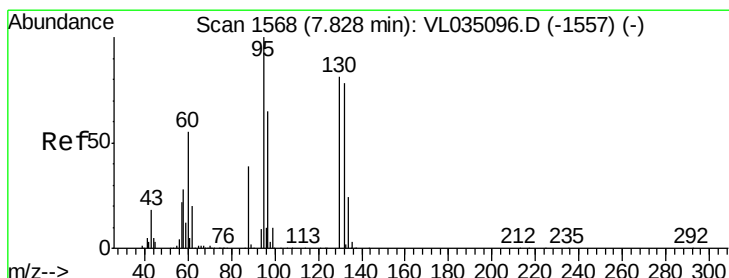
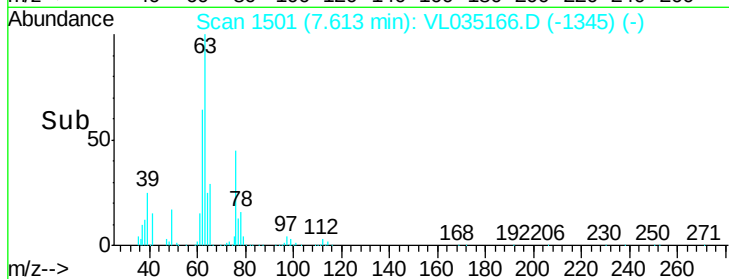
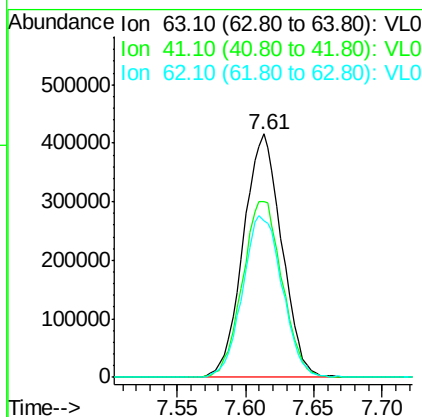
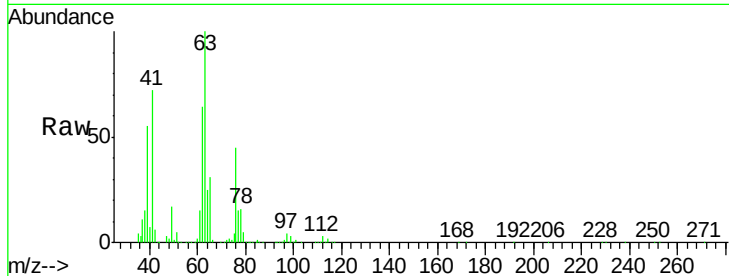
#39
 1,2-Dichloropropane
 Concen: 10.818 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	72.3	58.0	87.0
62	64.1	55.4	83.0

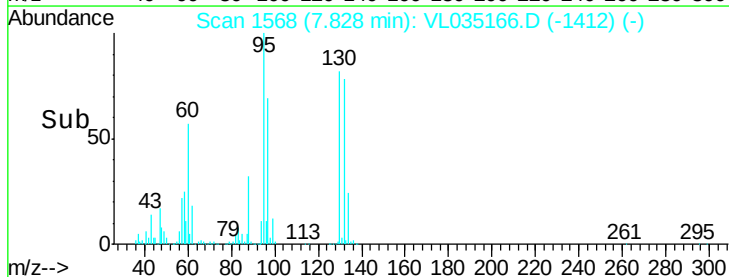
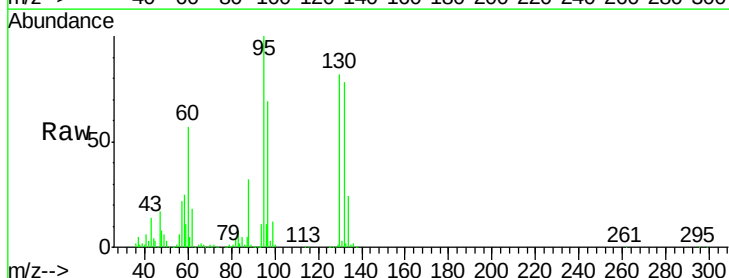
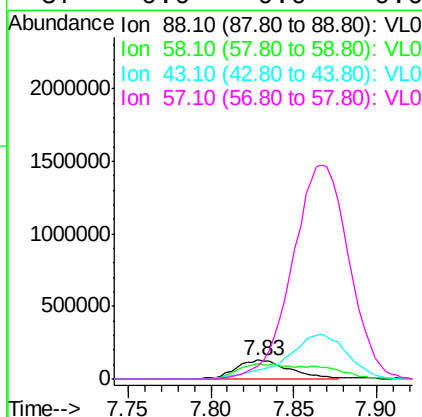
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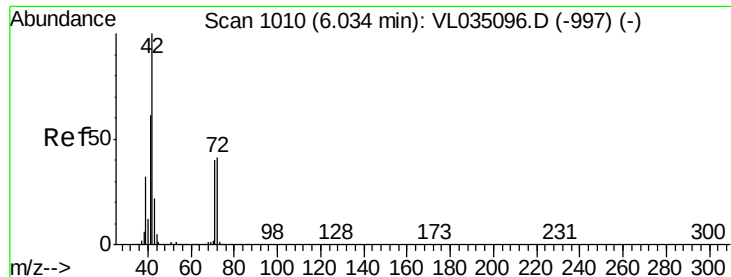
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#40
 1,4-Dioxane
 Concen: 9.887 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	133.8	110.2	165.4
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 11.516 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

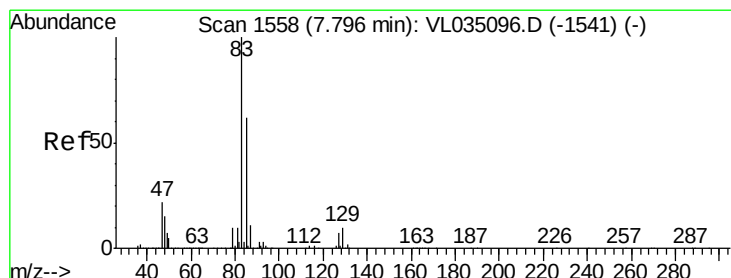
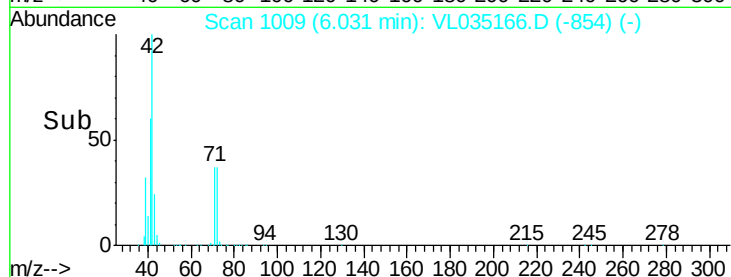
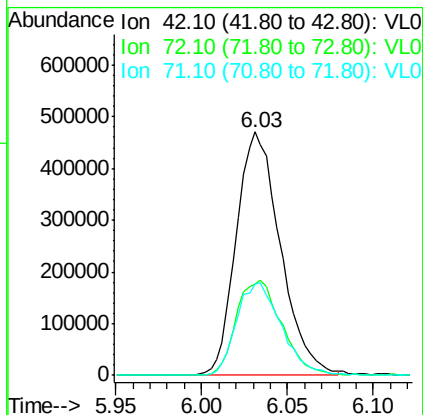
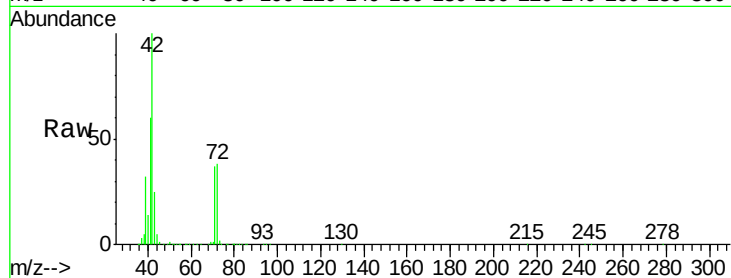
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	837555
Ion Ratio	Lower	Upper	
42	100		
72	40.2	33.4	50.2
71	38.7	31.8	47.6

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#42

Bromodichloromethane

Concen: 11.042 ppbv

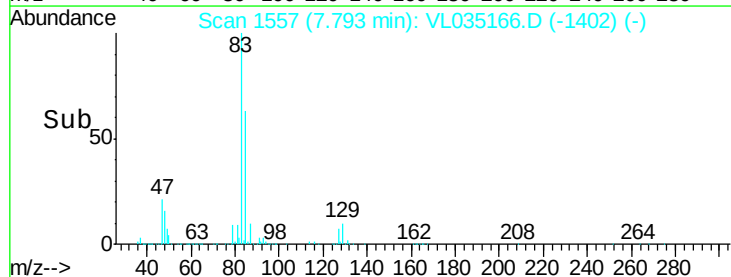
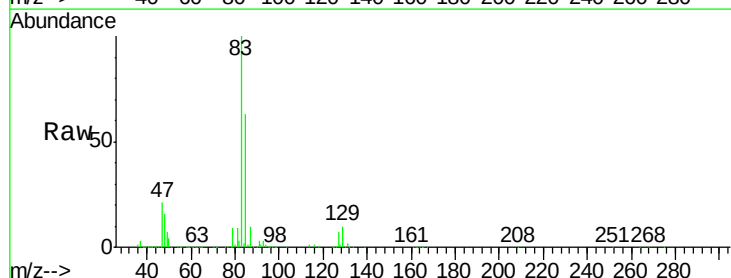
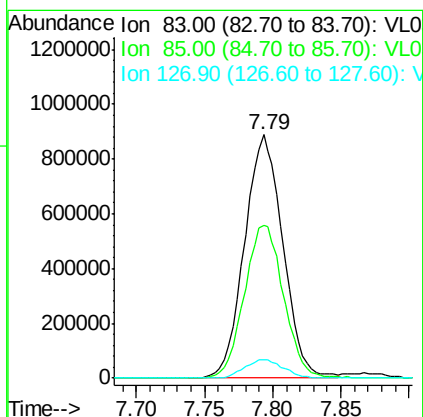
RT: 7.79 min Scan# 1557

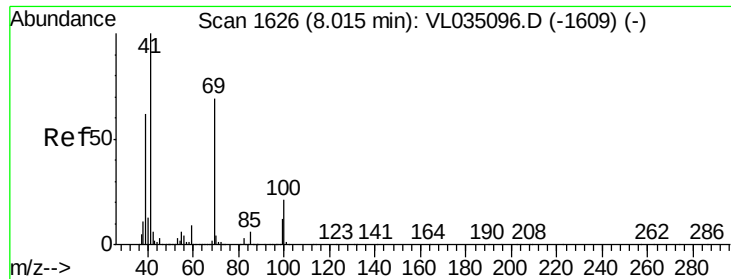
Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Tgt Ion:	83	Resp:	1735372
Ion Ratio	Lower	Upper	
83	100		
85	62.7	49.4	74.0
127	7.5	5.9	8.9





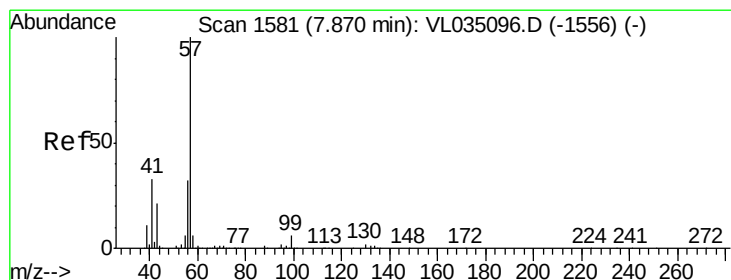
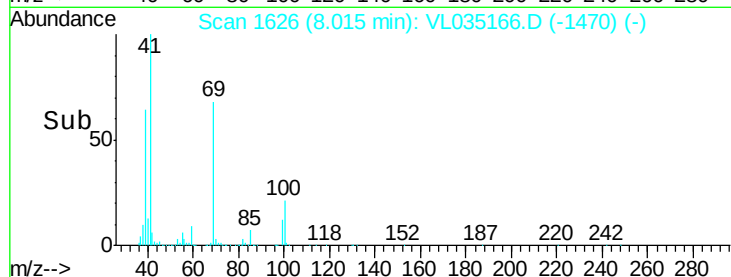
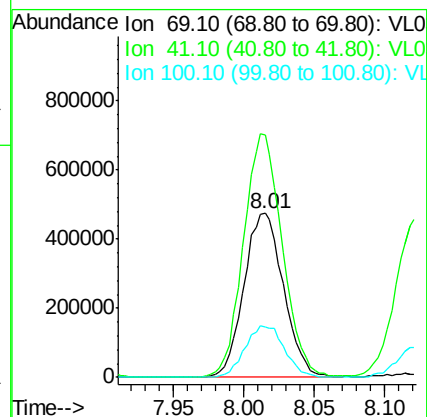
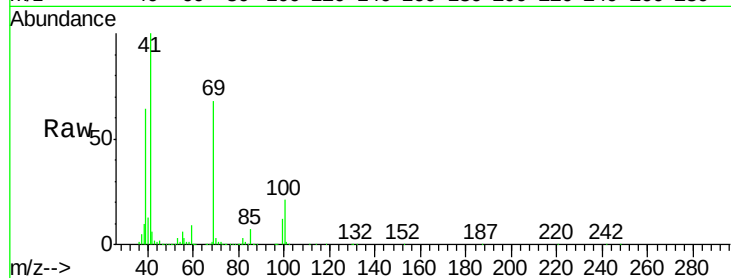
#43
Methyl Methacrylate
Concen: 11.511 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	145.2	116.4	174.6	
100	31.3	25.3	37.9	

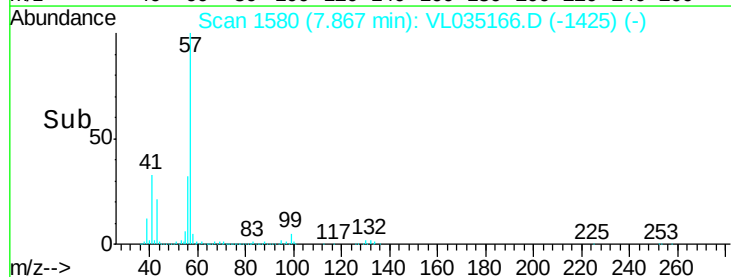
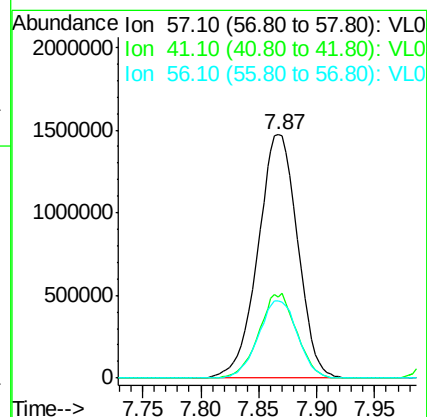
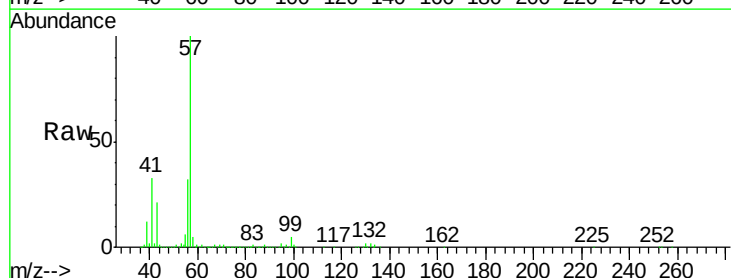
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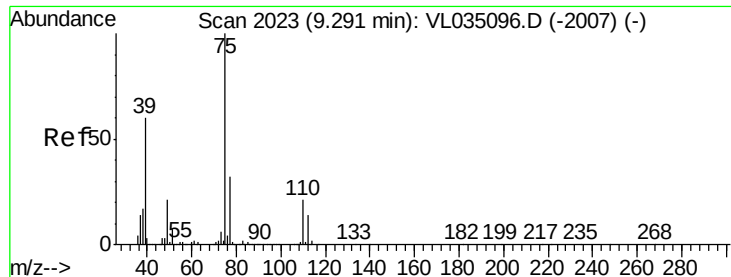
MMDadoda
7/9/2020 12:01:43 PM



#44
2,2,4-Trimethylpentane
Concen: 10.455 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.1	26.2	39.2	
56	31.4	25.4	38.2	





#45

t-1,3-Dichloropropene

Concen: 13.179 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1042317

Ion Ratio Lower Upper

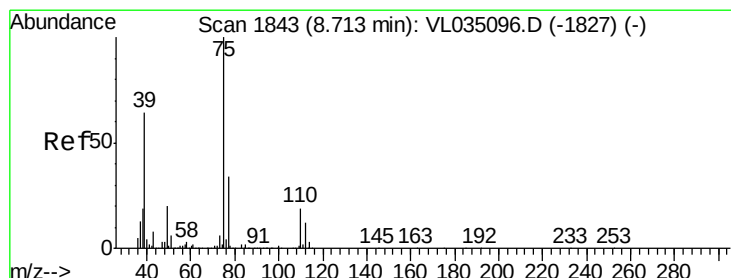
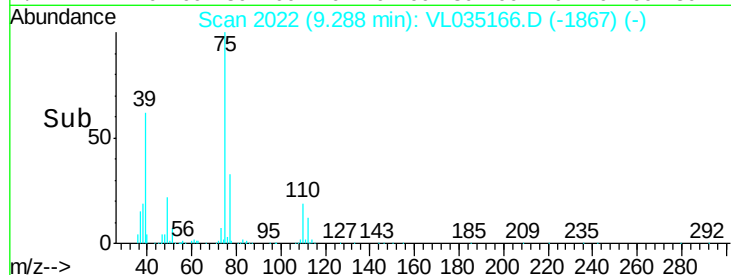
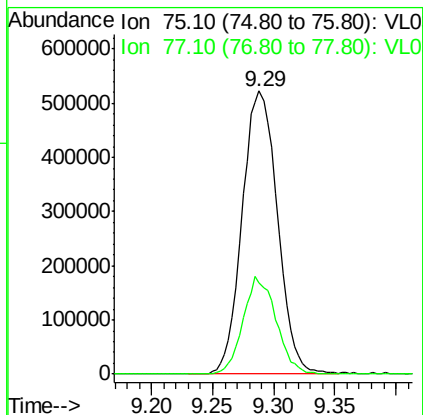
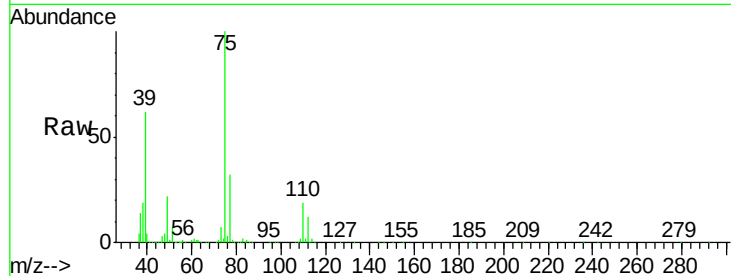
75 100

77 32.5 25.5 38.3

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#46

cis-1,3-Dichloropropene

Concen: 12.638 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

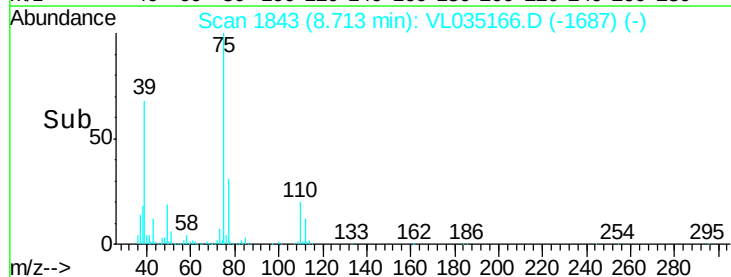
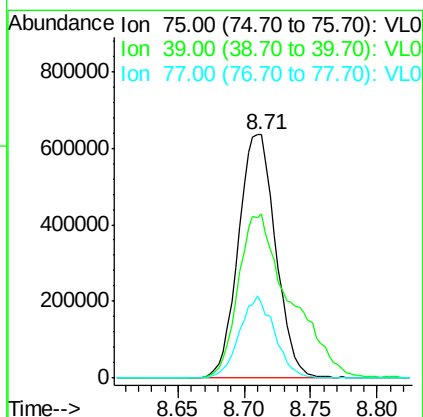
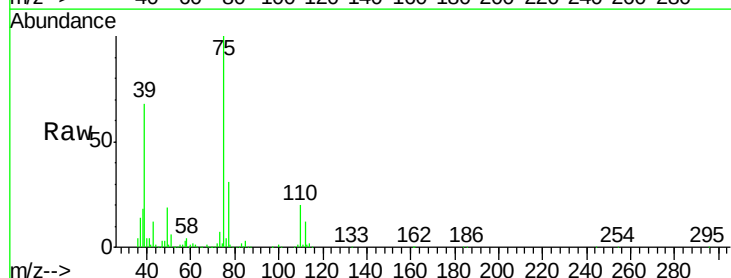
Tgt Ion: 75 Resp: 1241778

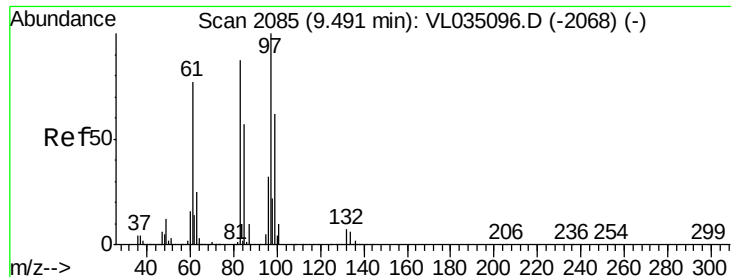
Ion Ratio Lower Upper

75 100

39 67.6 51.1 76.7

77 30.6 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 10.319 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

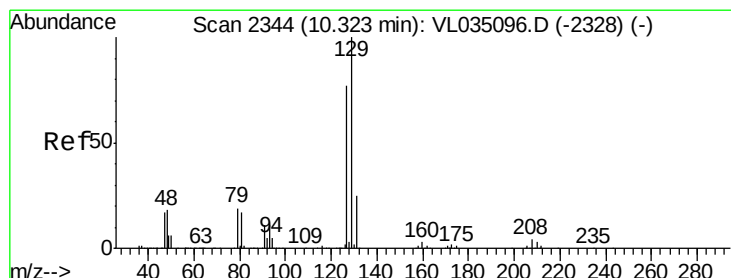
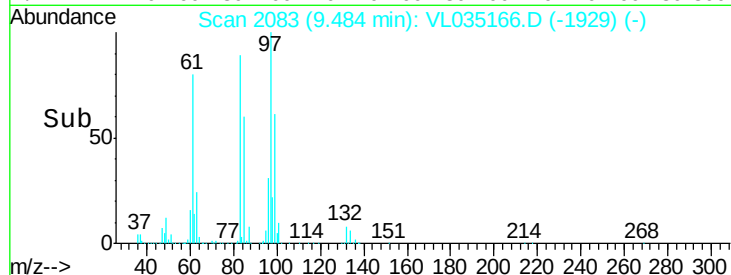
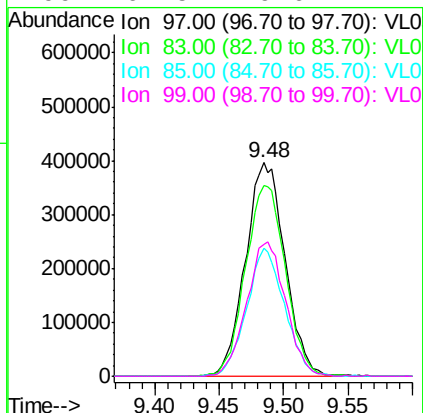
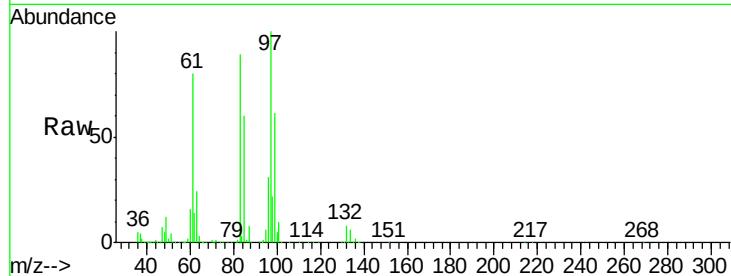
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.2	69.5	104.3	
85	59.8	46.0	69.0	
99	61.5	49.6	74.4	

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#48

Dibromochloromethane

Concen: 11.677 ppbv

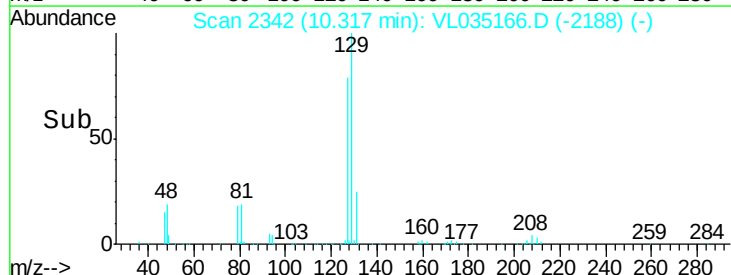
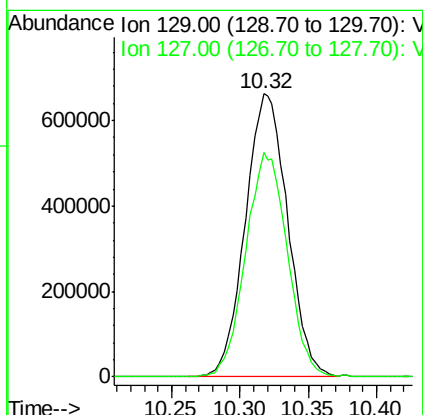
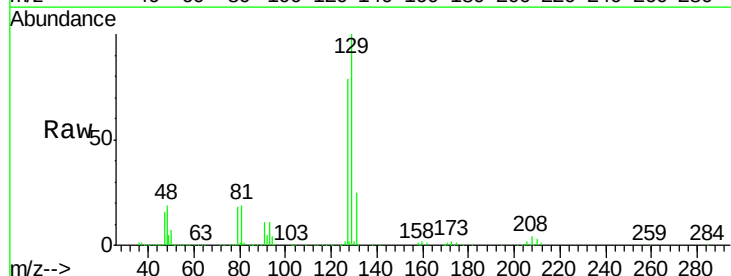
RT: 10.32 min Scan# 2342

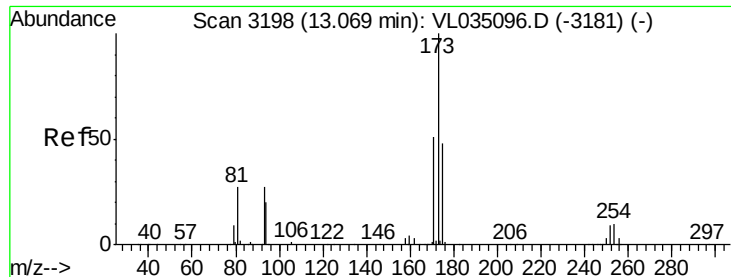
Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.8	39.3	117.8	





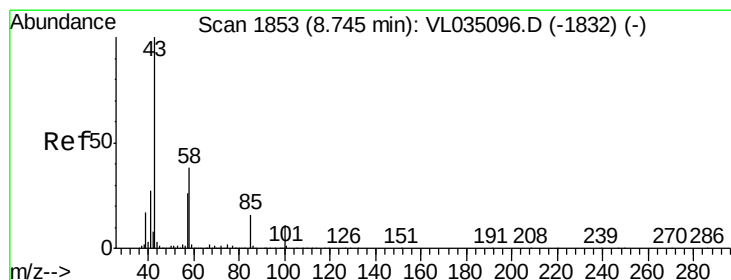
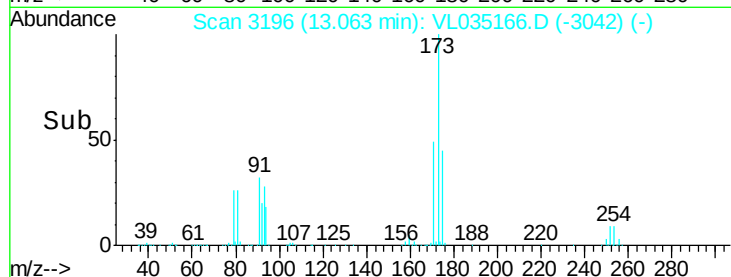
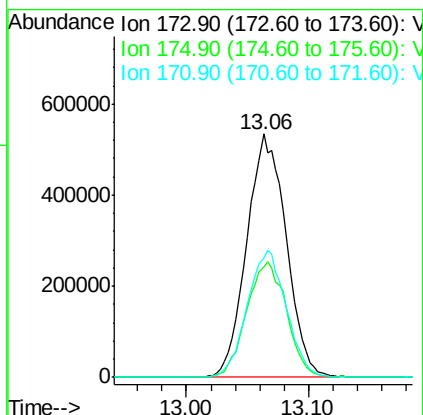
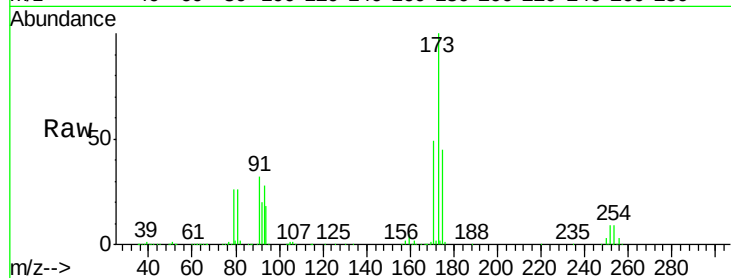
#49
Bromoform
Concen: 11.478 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.01 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	39.1	58.7
171	51.7	41.7	62.5

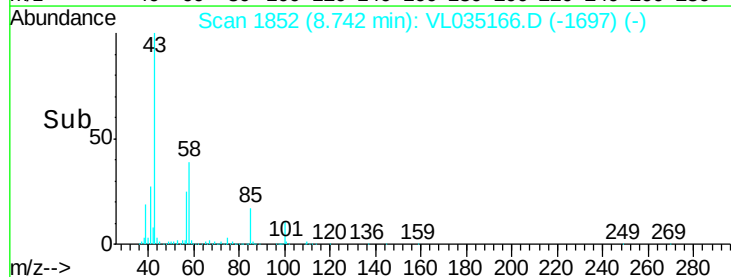
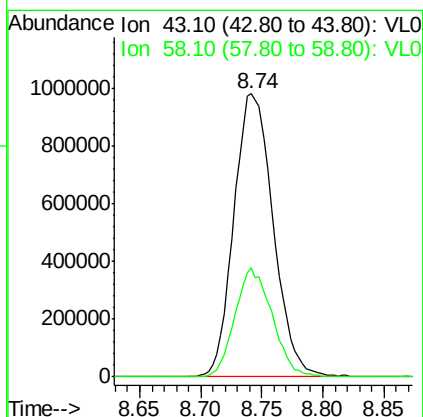
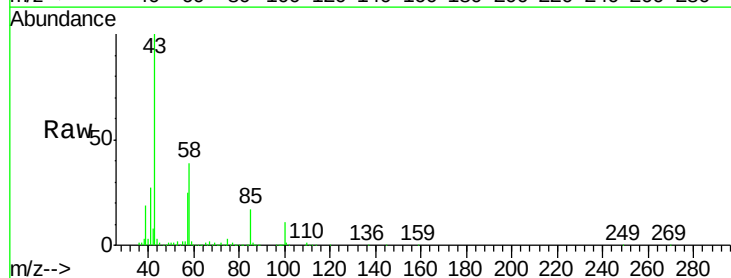
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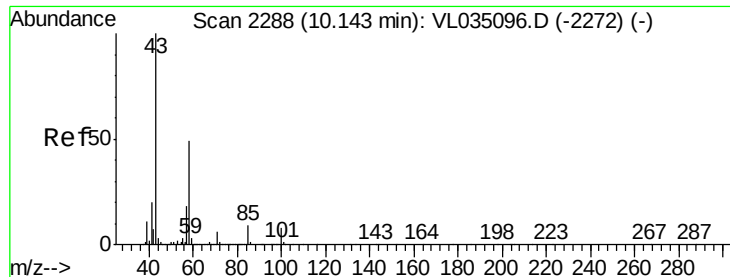
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.833 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.4	44.0





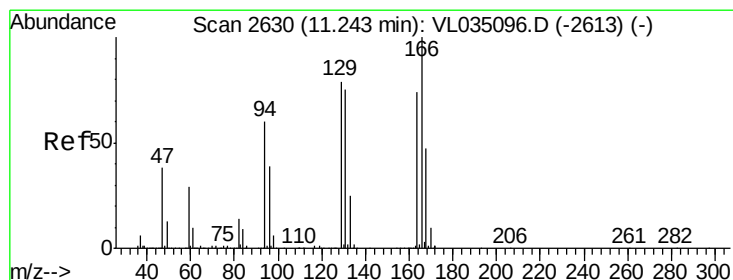
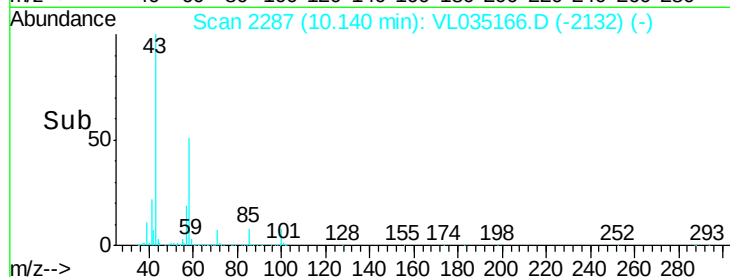
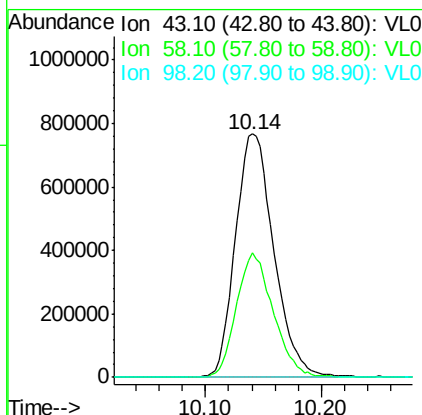
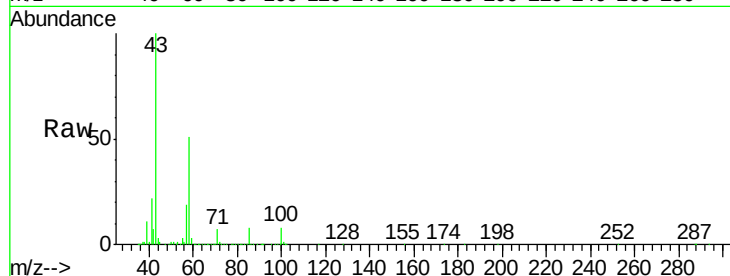
#51
2-Hexanone
Concen: 11.099 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1758462
Ion Ratio Lower Upper
43 100
58 49.2 39.2 58.8
98 0.2 0.3 0.5#

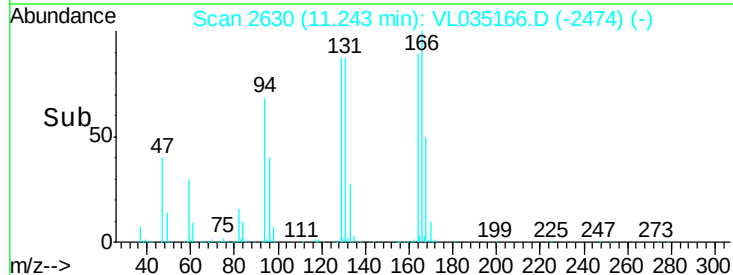
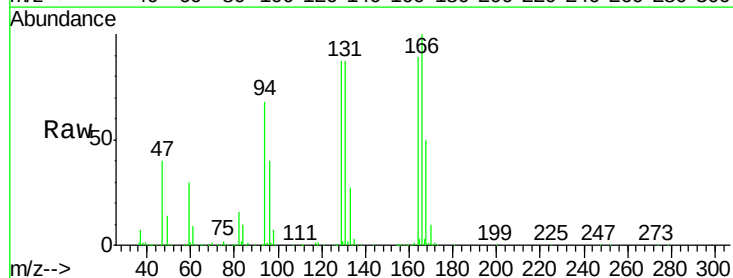
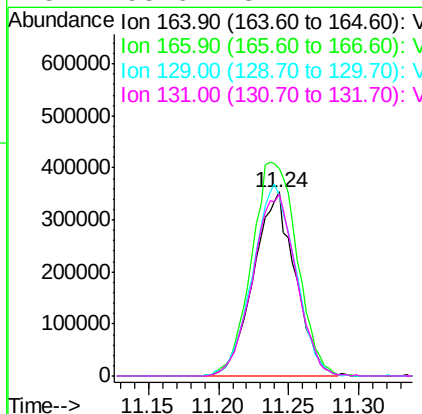
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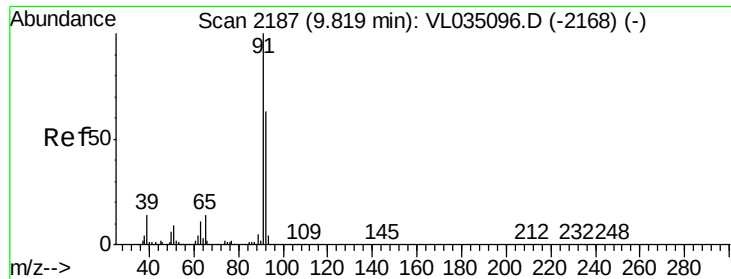
MMDadoda
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#52
Tetrachloroethene
Concen: 10.747 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 164 Resp: 727077
Ion Ratio Lower Upper
164 100
166 112.9 107.5 161.3
129 98.0 84.9 127.3
131 98.6 81.1 121.7





#53

Toluene

Concen: 11.643 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2384519

Ion Ratio Lower Upper

91 100

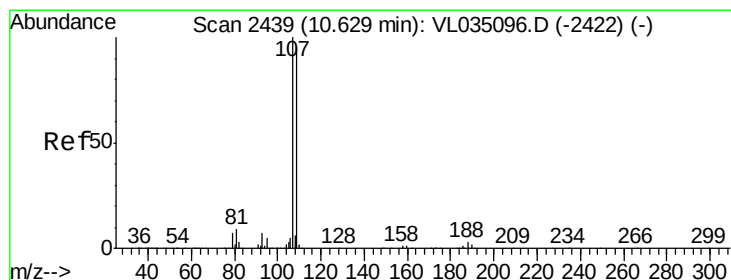
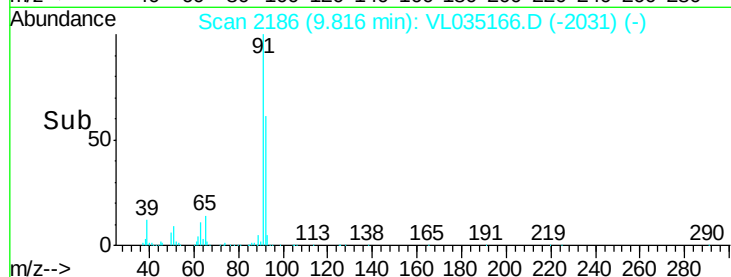
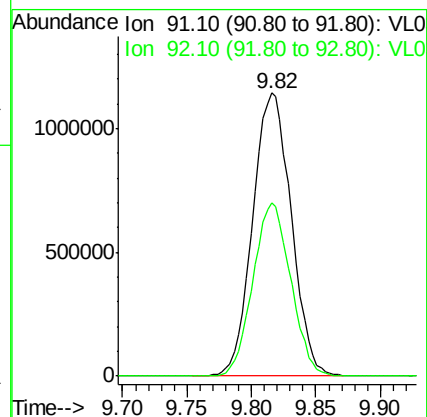
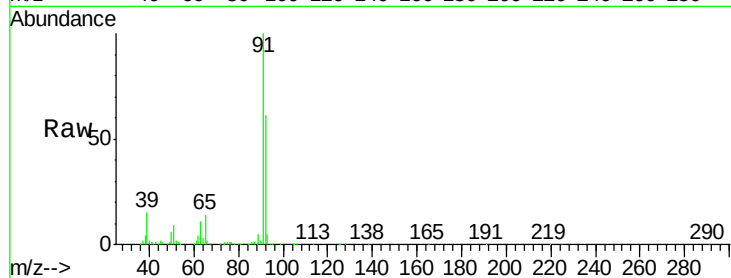
92 60.0 49.0 73.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.468 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL035166.D

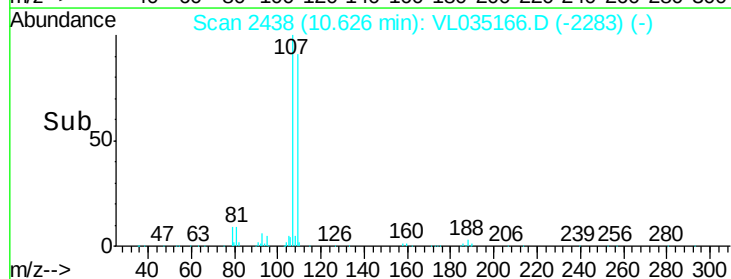
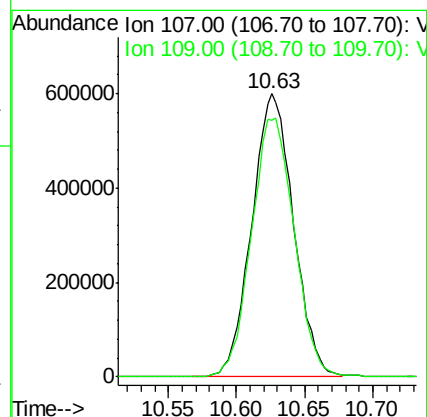
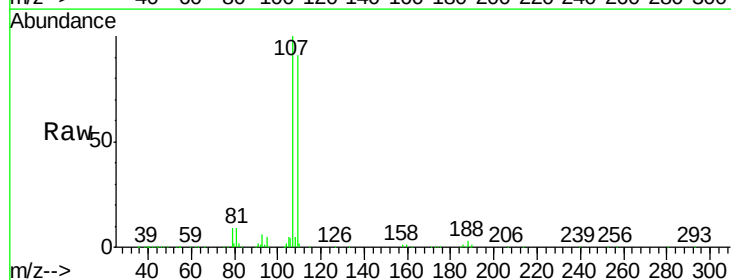
Acq: 7 Jul 2020 6:32

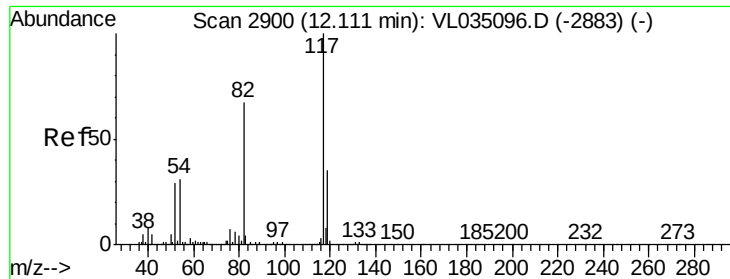
Tgt Ion: 107 Resp: 1270288

Ion Ratio Lower Upper

107 100

109 90.8 75.9 113.9





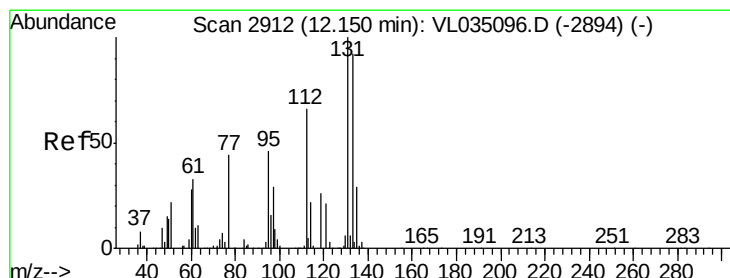
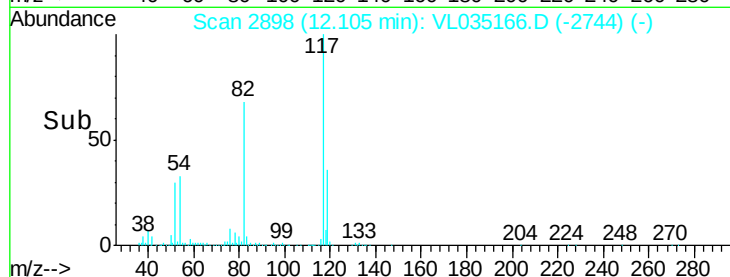
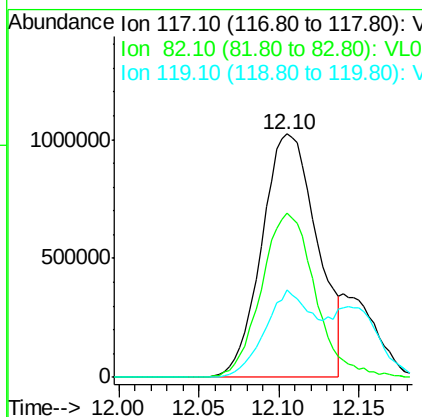
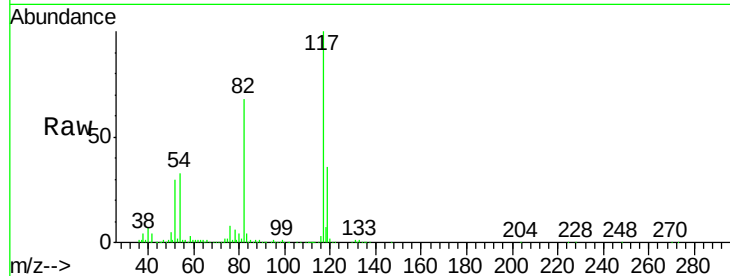
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.6	50.4	75.6
119	35.5	25.4	38.0

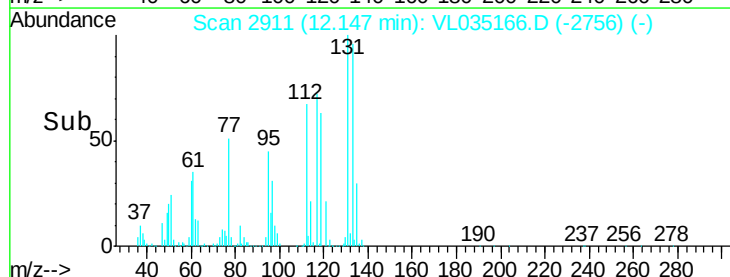
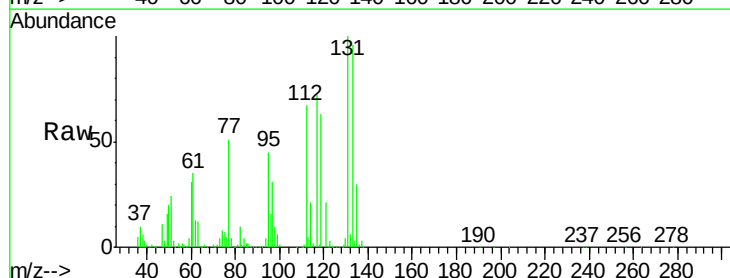
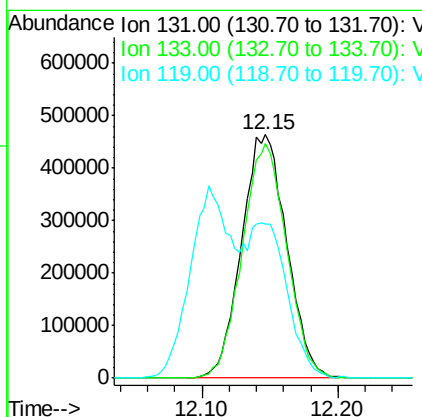
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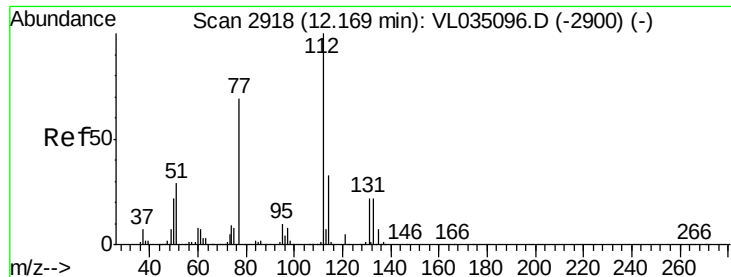
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.599 ppbv m
RT: 12.15 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	76.2	114.4
119	59.1	114.6	172.0#





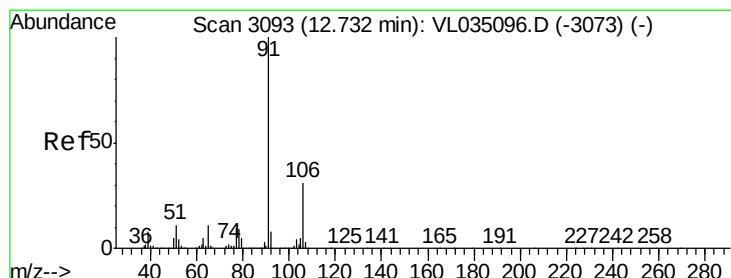
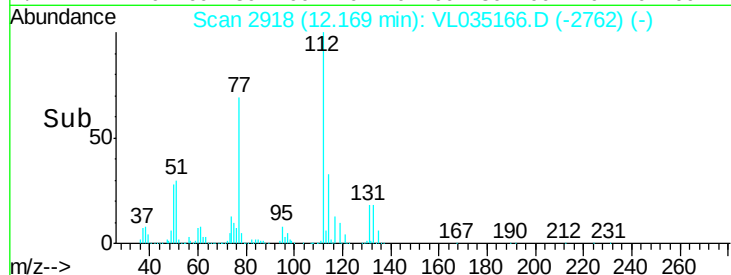
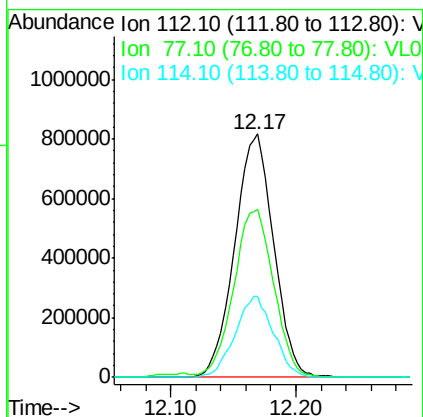
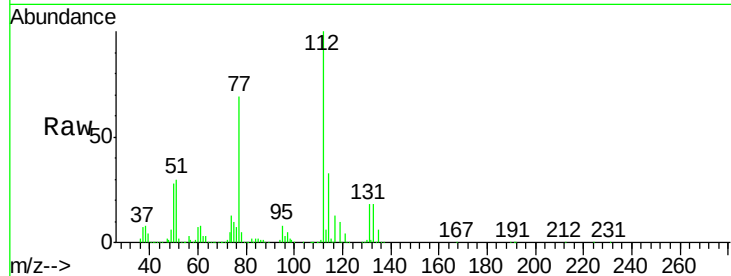
#57
Chlorobenzene
Concen: 9.687 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 1753437
Ion Ratio Lower Upper
112 100
77 69.1 56.7 85.1
114 33.3 29.3 35.9

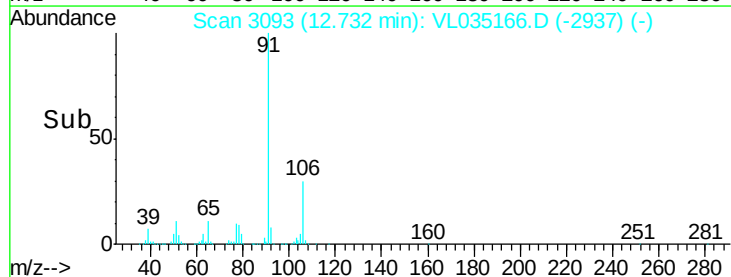
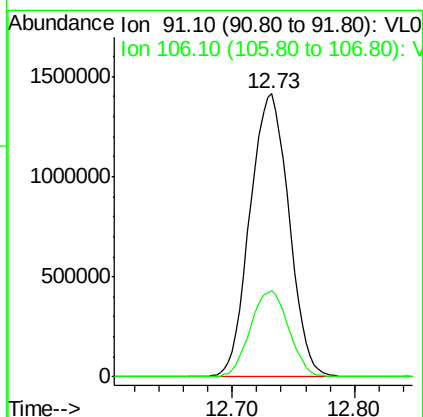
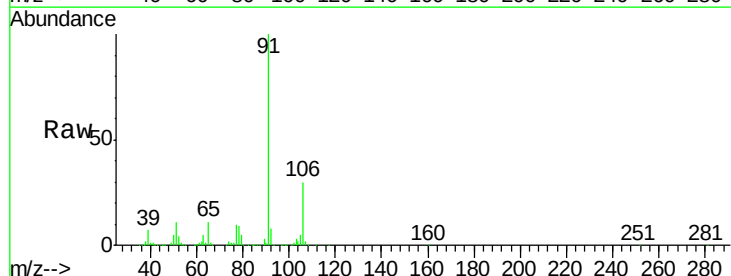
Manual Integrations
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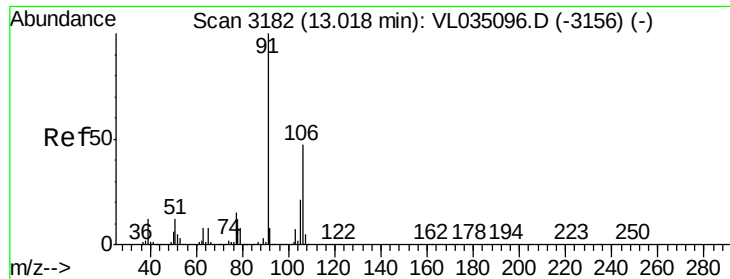
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#58
Ethyl Benzene
Concen: 11.298 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 91 Resp: 3122827
Ion Ratio Lower Upper
91 100
106 30.4 25.0 37.6





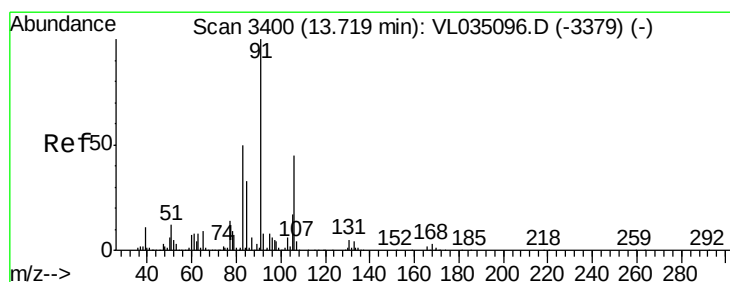
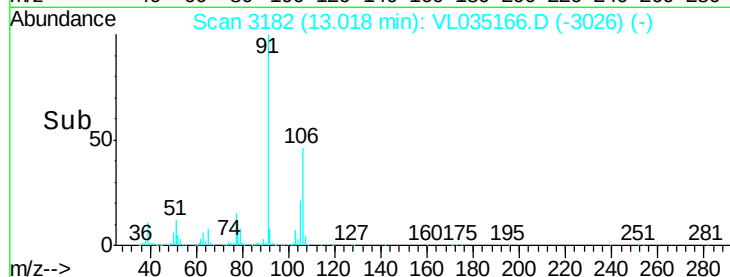
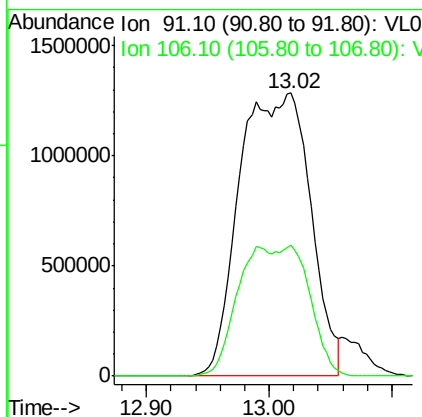
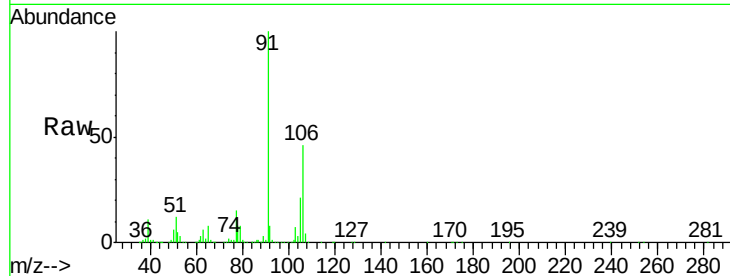
#59
m/p-Xylene
Concen: 20.970 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5136545
Ion Ratio Lower Upper
91 100
106 45.7 36.5 54.7

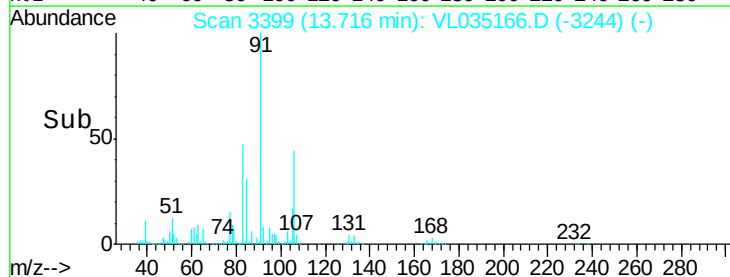
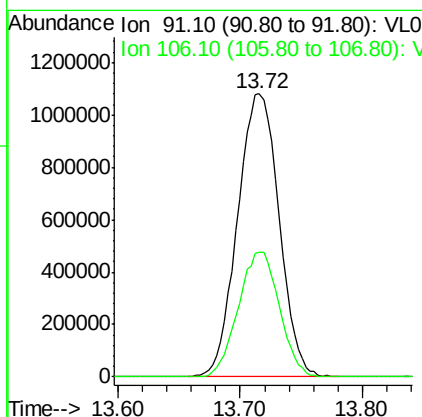
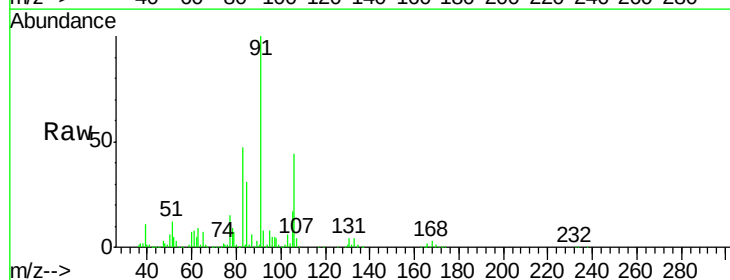
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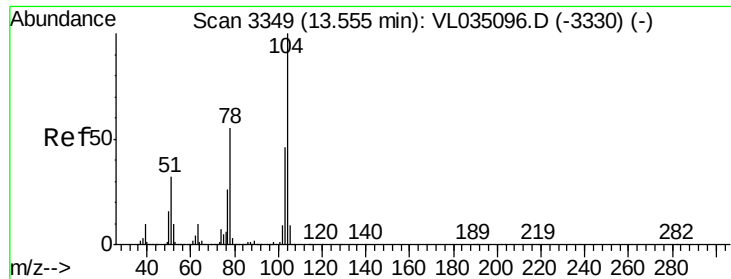
MMDadoda
7/9/2020 12:01:43 PM



#60
o-Xylene
Concen: 10.390 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 91 Resp: 2533679
Ion Ratio Lower Upper
91 100
106 43.9 22.1 66.5





#61

Stvrene

Concen: 11.585 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 1777837

Ion Ratio Lower Upper

104 100

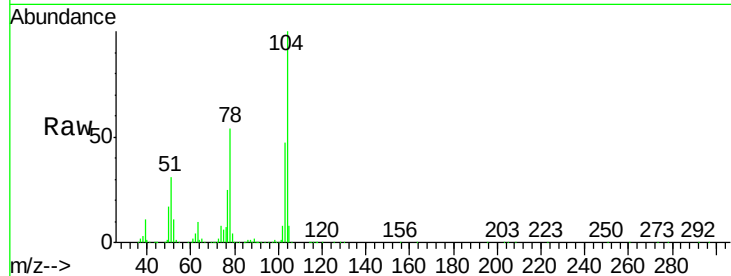
78 54.5 43.4 65.0

103 47.7 38.3 57.5

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MMDadoda

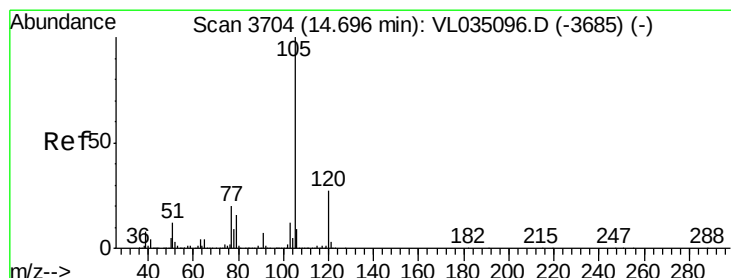
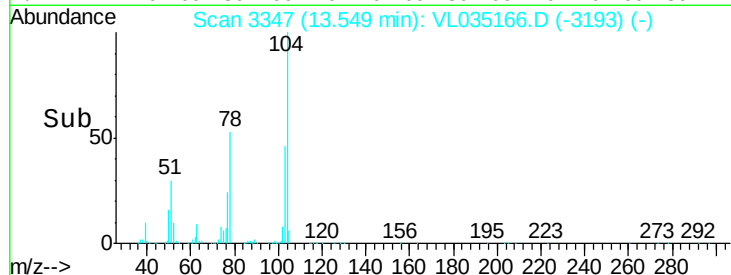
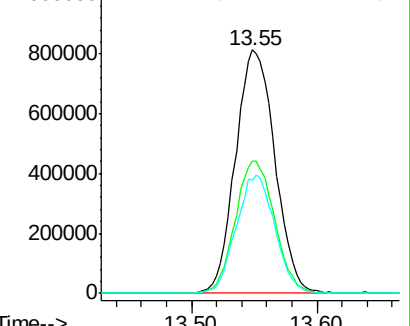
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.243 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.01 min

Lab File: VL035166.D

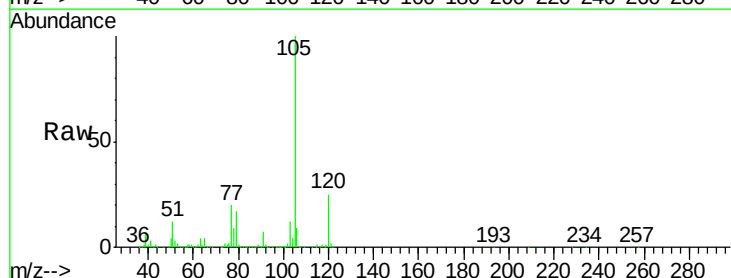
Acq: 7 Jul 2020 6:32

Tgt Ion:105 Resp: 3727345

Ion Ratio Lower Upper

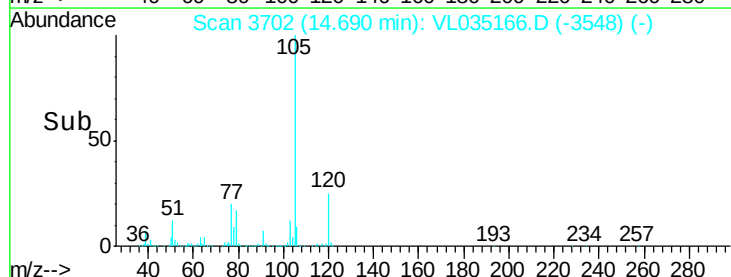
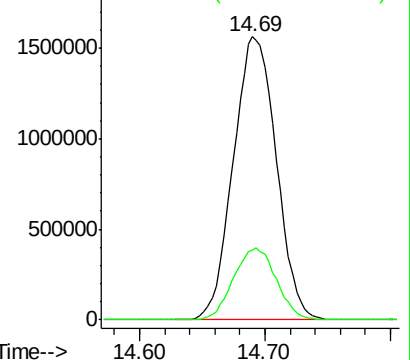
105 100

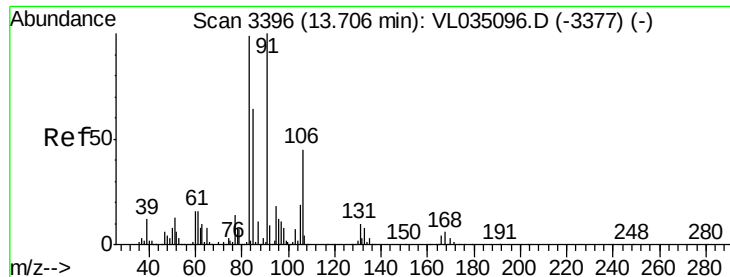
120 25.3 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.705 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1719421

Ion Ratio Lower Upper

83 100

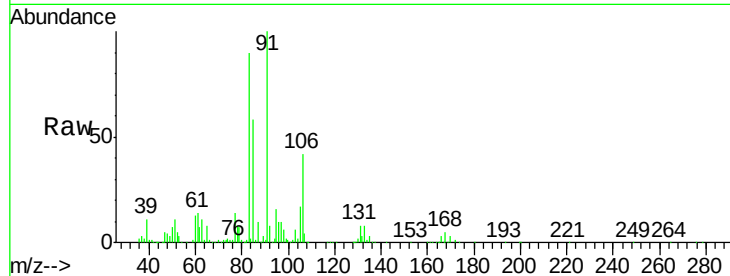
131 9.2 4.7 14.0

85 65.0 32.4 97.0

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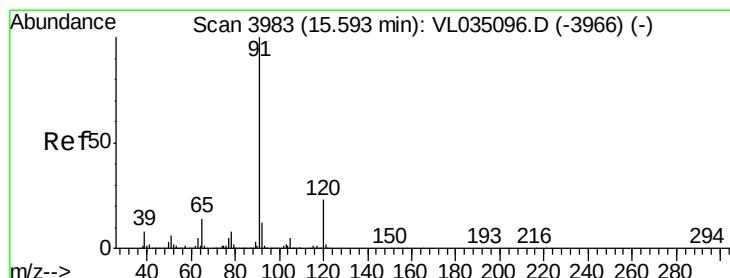
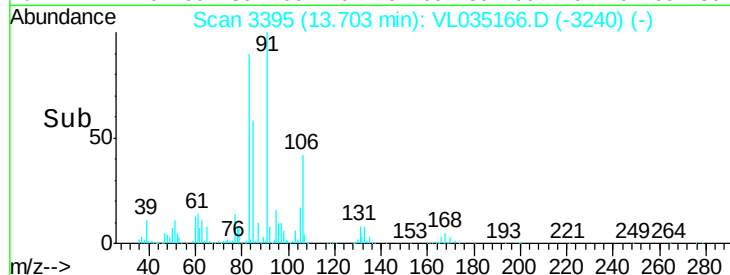
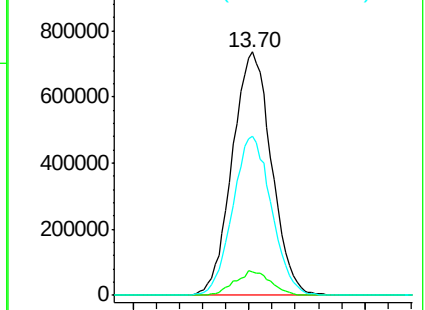
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.512 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. -0.01 min

Lab File: VL035166.D

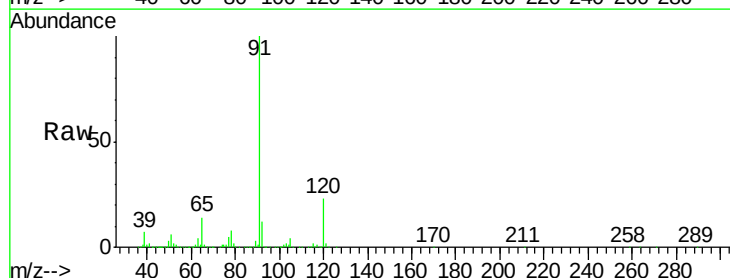
Acq: 7 Jul 2020 6:32

Tgt Ion: 120 Resp: 976235

Ion Ratio Lower Upper

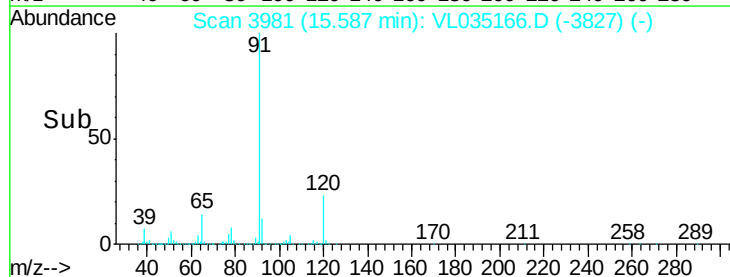
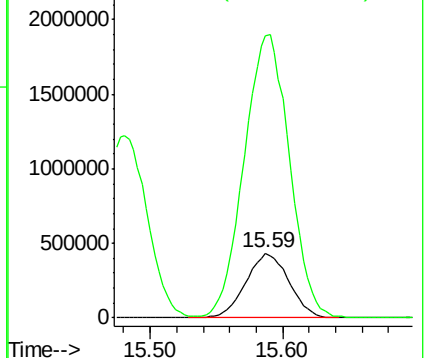
120 100

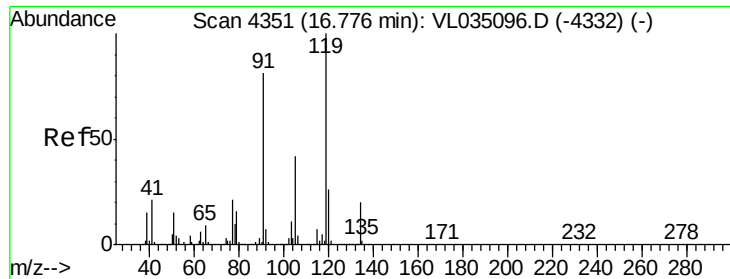
91 463.8 367.9 551.9



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





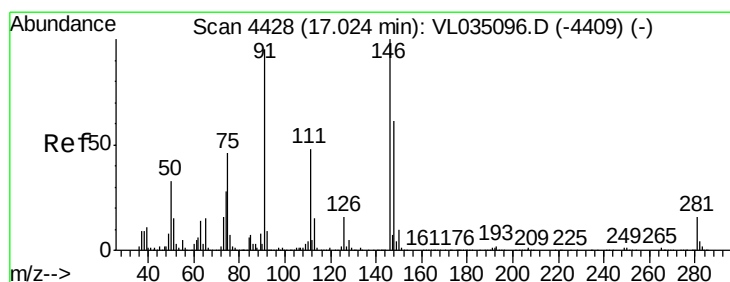
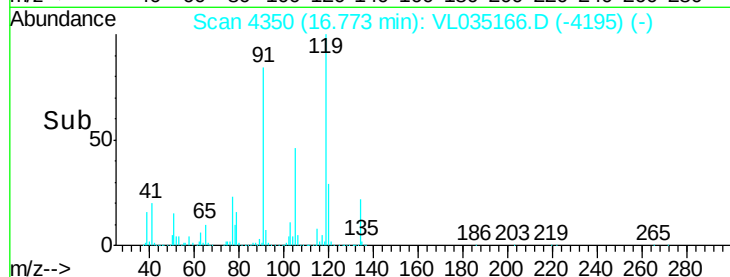
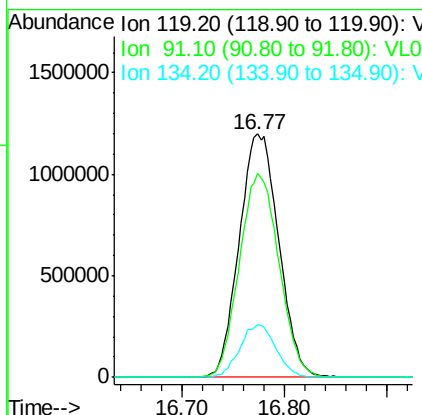
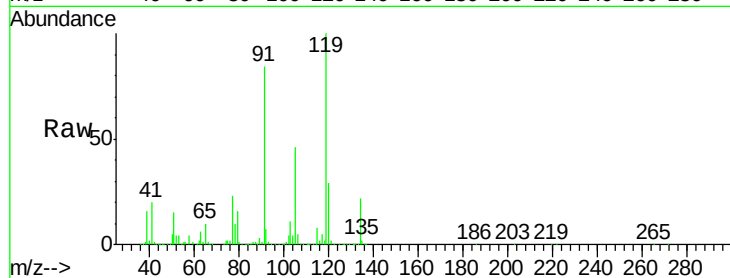
#65
tert-Butylbenzene
Concen: 10.317 ppbv m
RT: 16.77 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 3214698
Ion Ratio Lower Upper
119 100
91 84.0 67.6 101.4
134 19.8 15.7 23.5

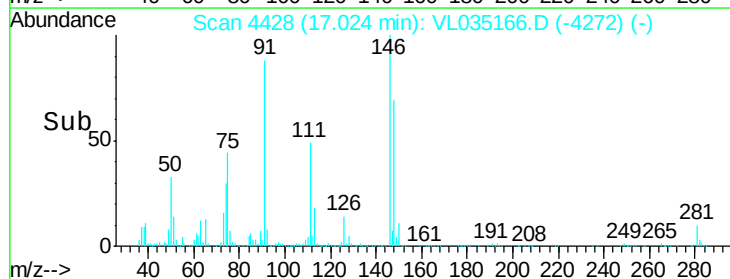
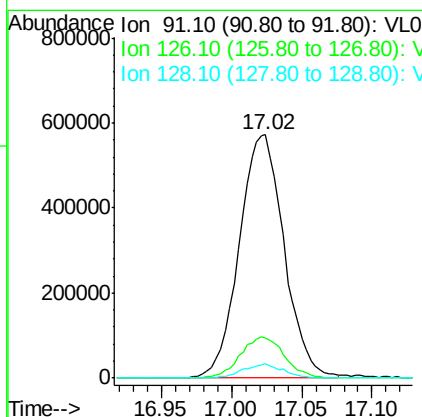
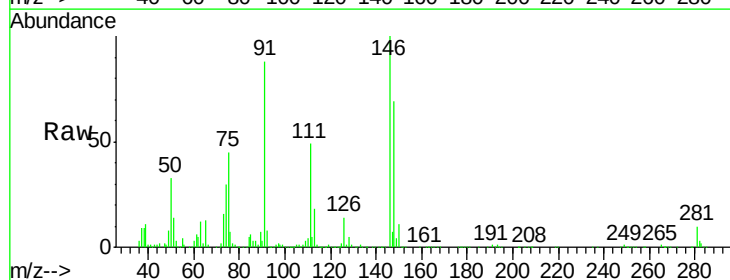
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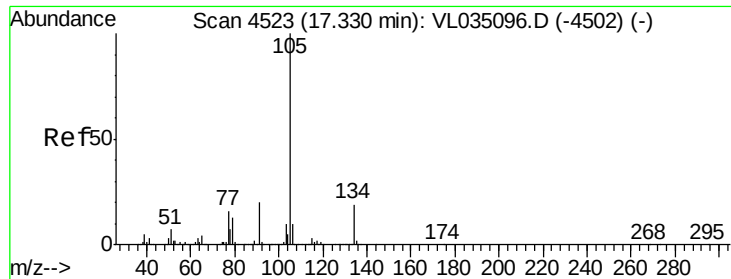
MMDadoda
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#66
Benzyl Chloride
Concen: 13.136 ppbv
RT: 17.02 min Scan# 4428
Delta R.T. 0.00 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion: 91 Resp: 1264434
Ion Ratio Lower Upper
91 100
126 16.8 13.5 20.3
128 5.3 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.296 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 4598600

Ion Ratio Lower Upper

105 100

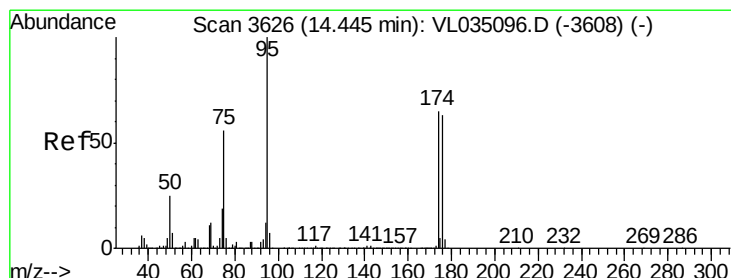
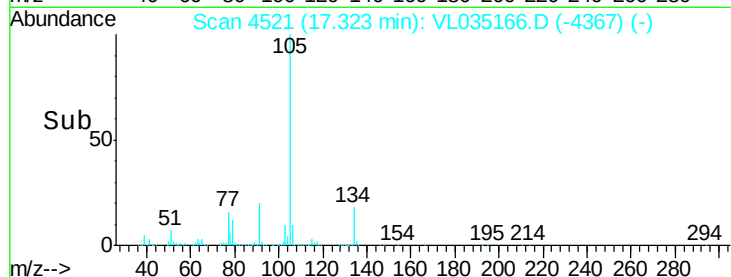
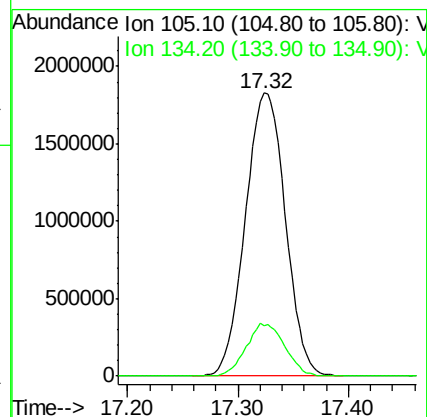
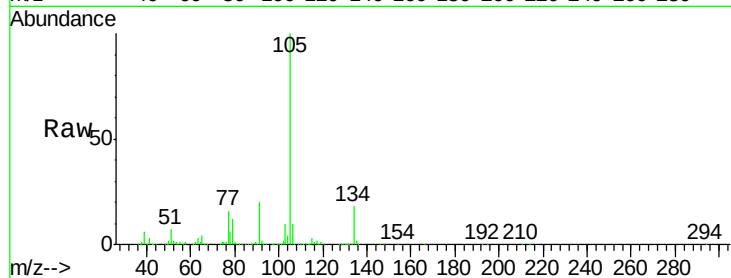
134 18.0 14.7 22.1

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.686 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

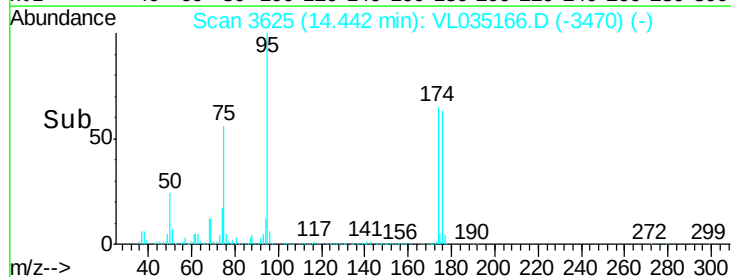
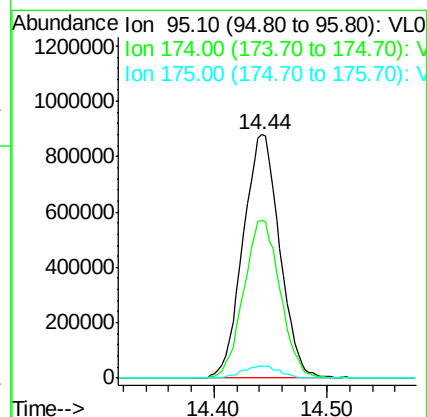
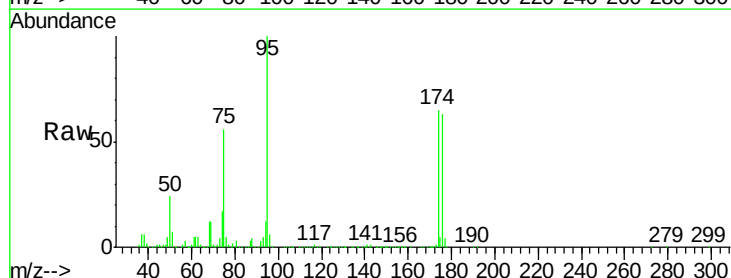
Tgt Ion: 95 Resp: 1979335

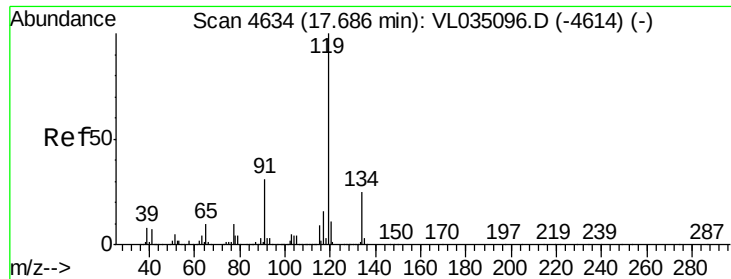
Ion Ratio Lower Upper

95 100

174 64.9 52.2 78.2

175 5.0 4.0 6.0





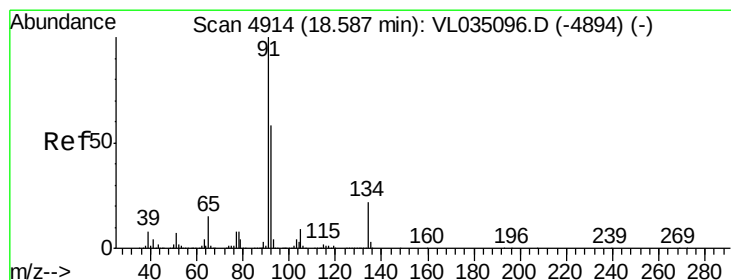
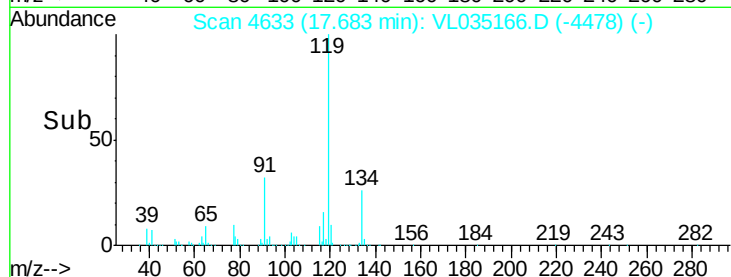
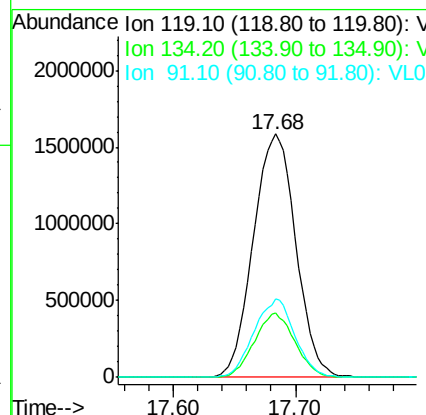
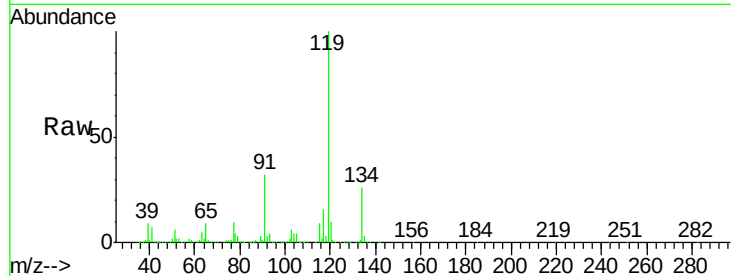
#69
 p-Isopropyltoluene
 Concen: 10.718 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	31.2	24.5	36.7

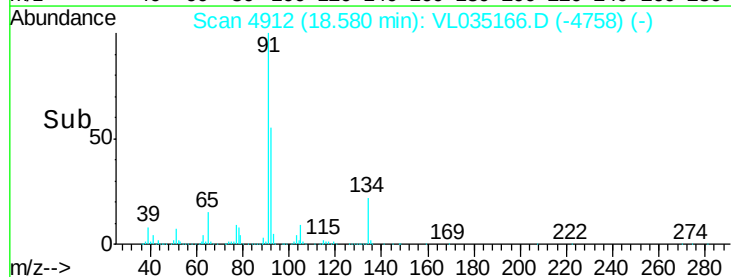
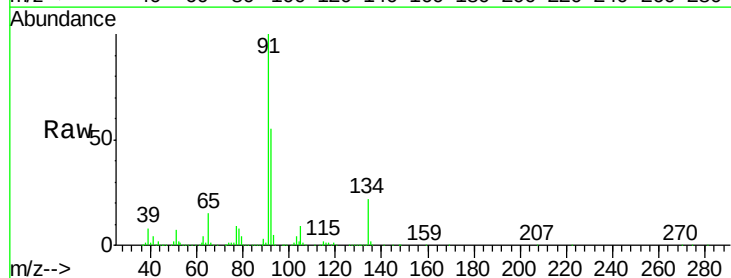
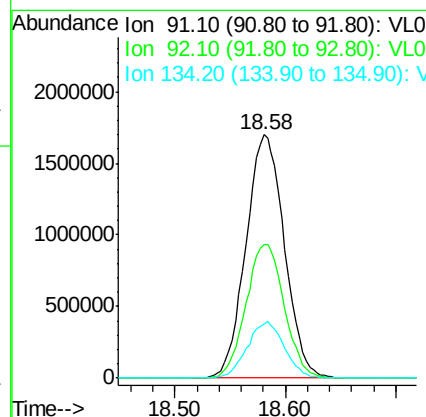
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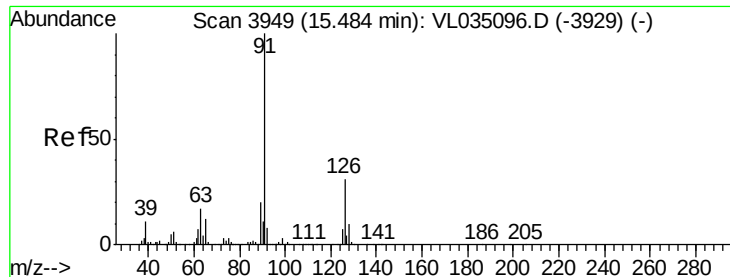
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#70
 n-Butylbenzene
 Concen: 10.660 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. -0.01 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.4	66.6
134	22.3	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.409 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2863146

Ion Ratio Lower Upper

91 100

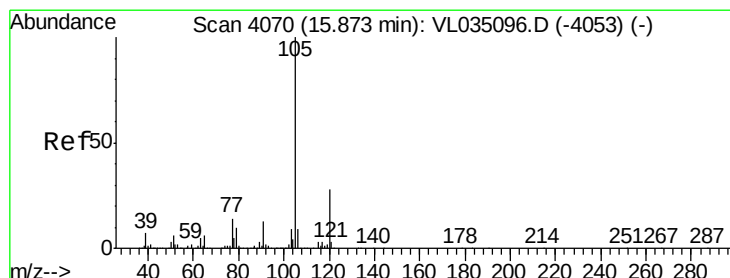
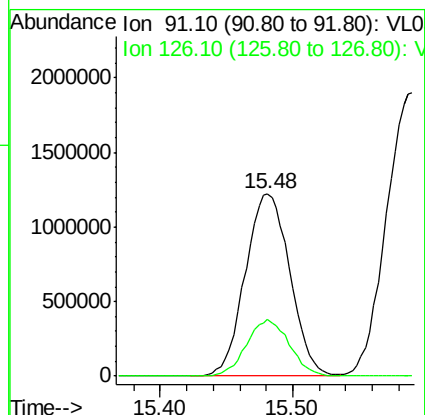
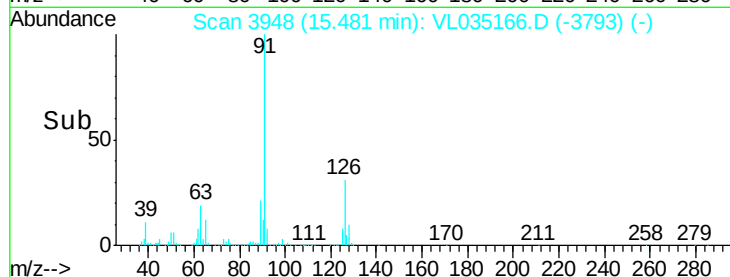
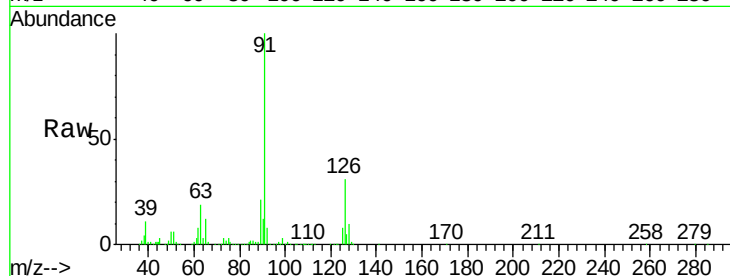
126 29.6 12.0 48.0

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#72

4-Ethyltoluene

Concen: 10.913 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Tgt Ion:105 Resp: 2960376

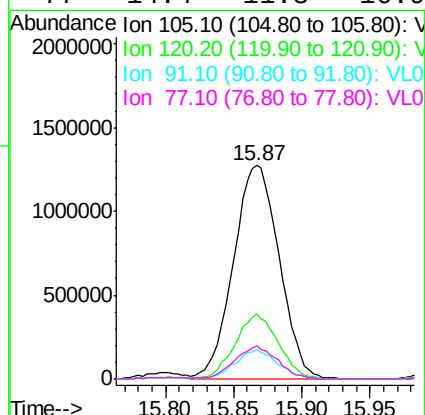
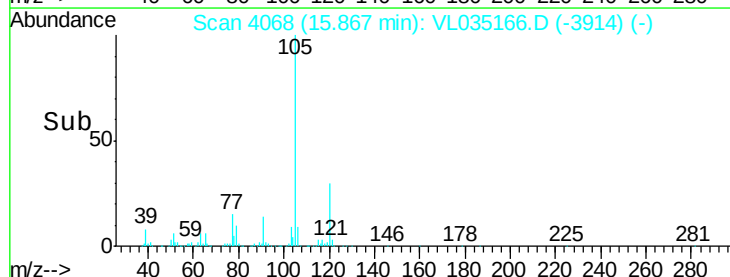
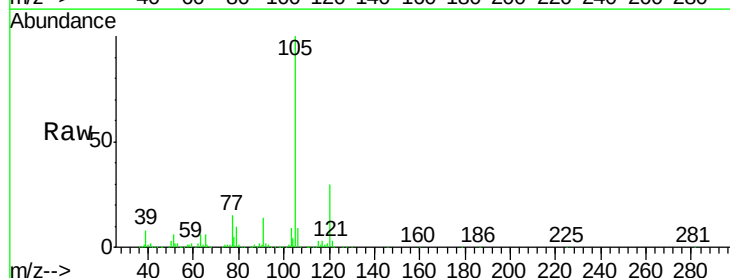
Ion Ratio Lower Upper

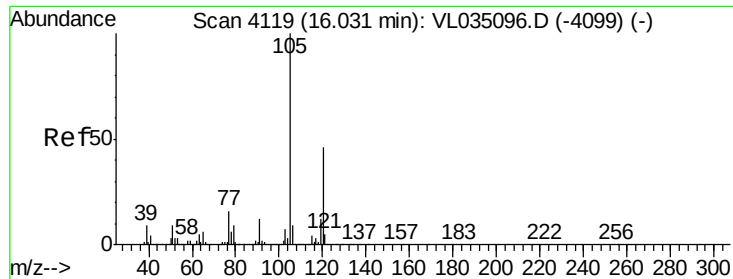
105 100

120 28.9 23.4 35.0

91 13.4 10.6 16.0

77 14.4 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 10.774 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2762855

Ion Ratio Lower Upper

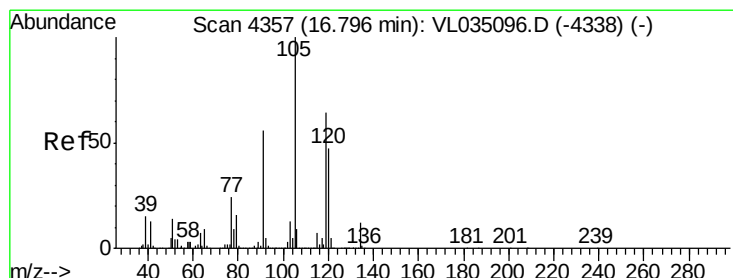
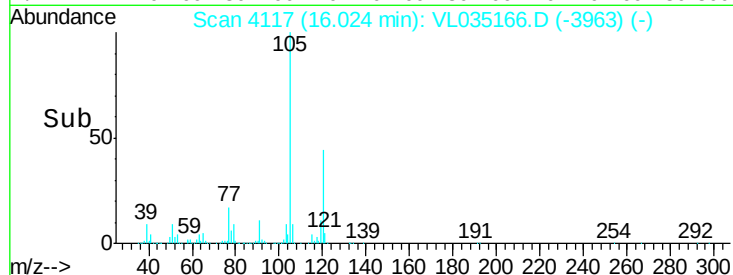
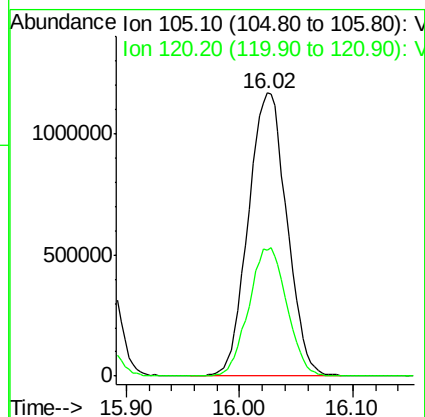
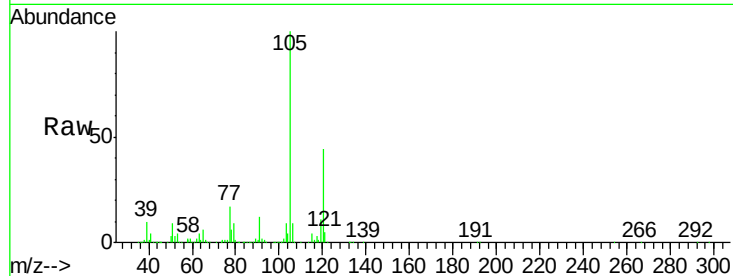
105 100

120 44.4 37.0 55.6

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#74

1,2,4-Trimethylbenzene

Concen: 10.046 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Tgt Ion:105 Resp: 2875349

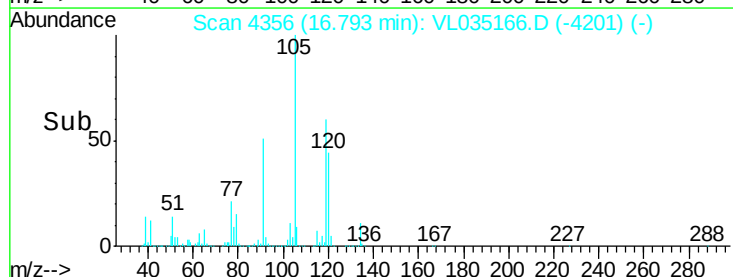
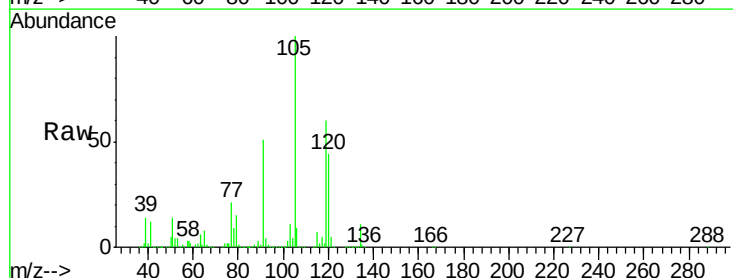
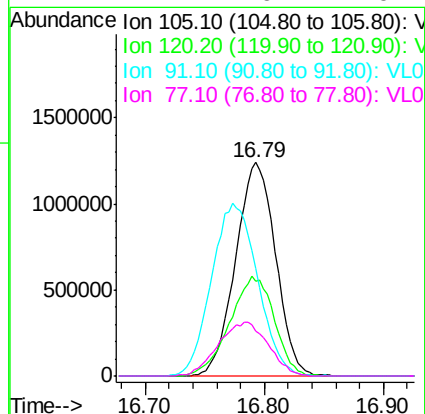
Ion Ratio Lower Upper

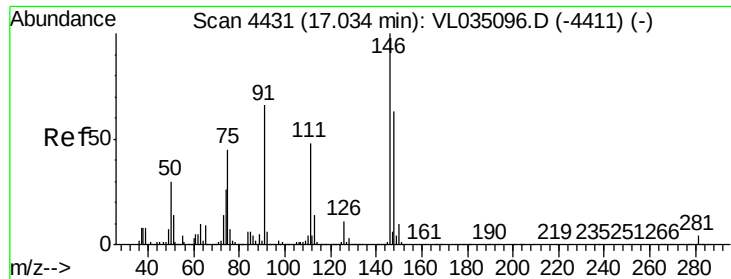
105 100

120 44.0 37.9 56.9

91 50.6 46.0 69.0

77 21.1 19.4 29.2





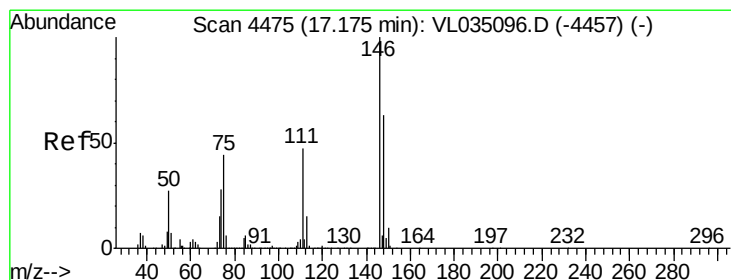
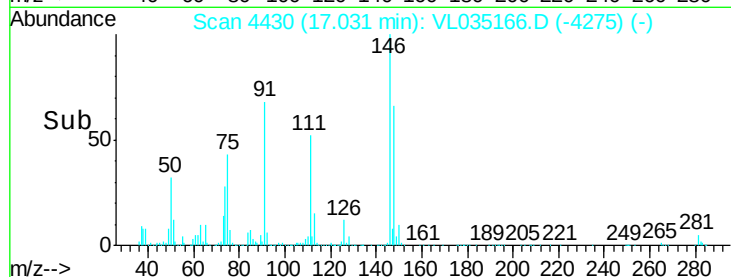
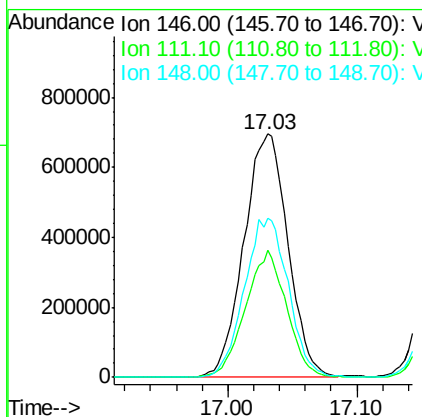
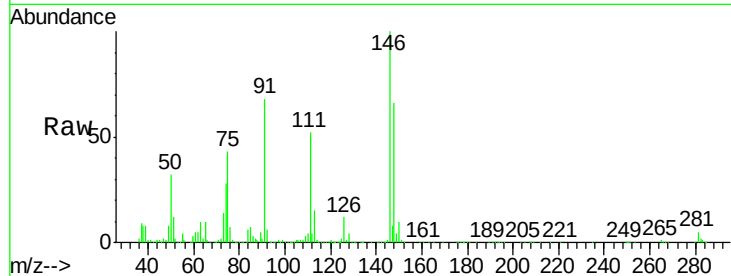
#75
 1,3-Dichlorobenzene
 Concen: 9.674 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.1	72.4
148	65.6	32.3	96.8

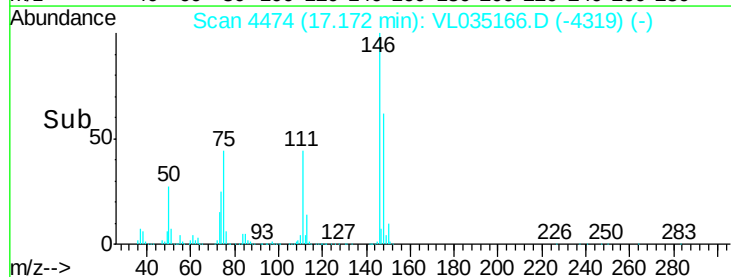
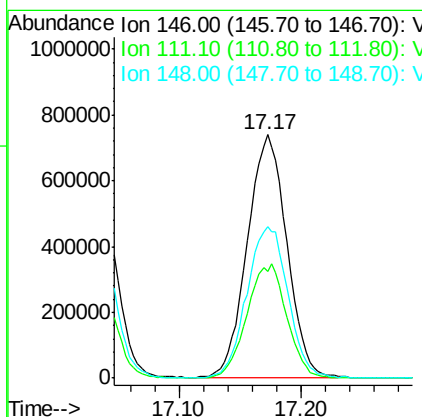
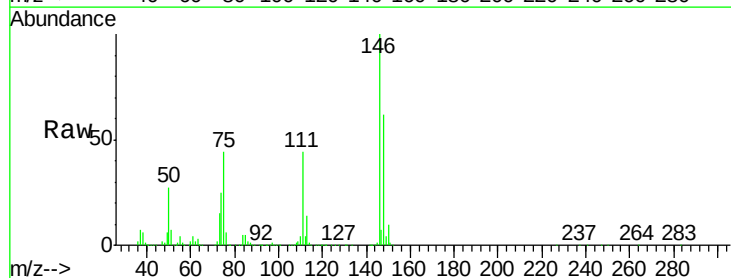
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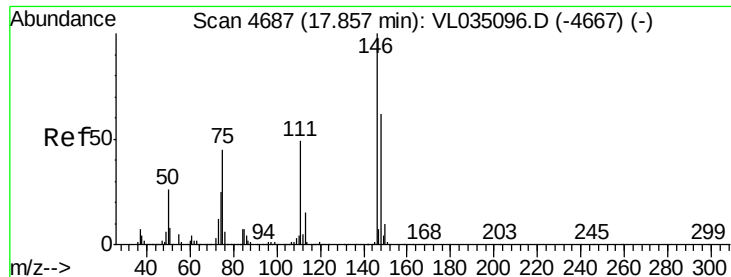
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#76
 1,4-Dichlorobenzene
 Concen: 10.113 ppbv
 RT: 17.17 min Scan# 4474
 Delta R.T. -0.00 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.5	70.5
148	65.3	32.0	96.2





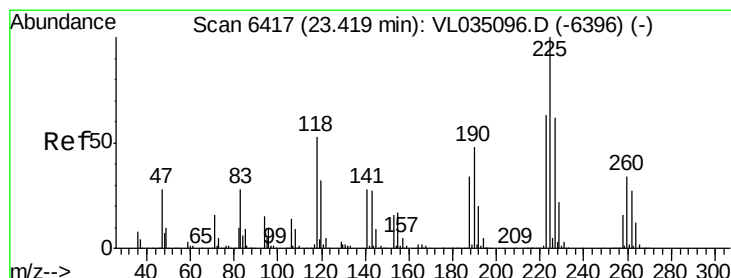
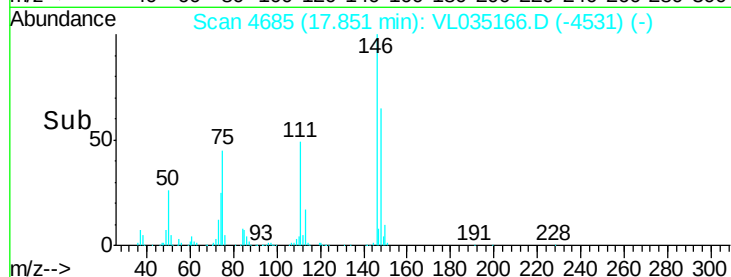
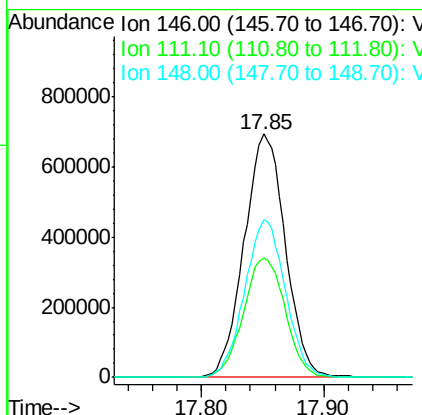
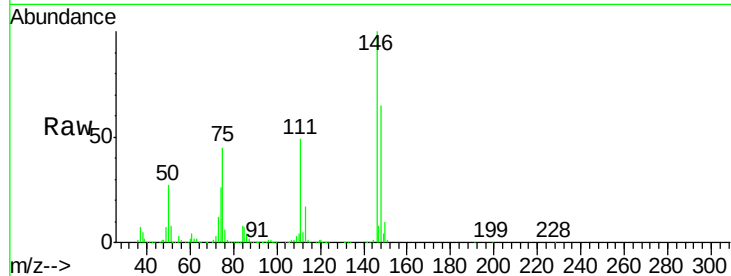
#77
 1,2-Dichlorobenzene
 Concen: 10.347 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. -0.01 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1617102
 Ion Ratio Lower Upper
 146 100
 111 49.9 25.0 75.0
 148 64.2 32.3 96.8

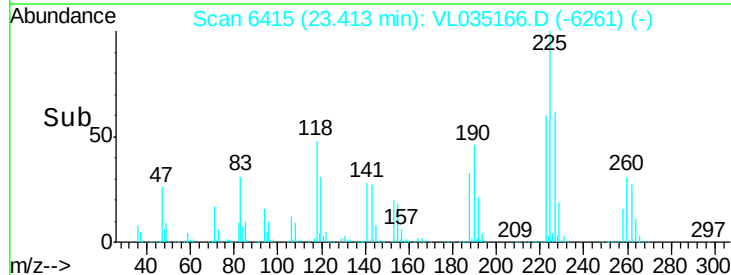
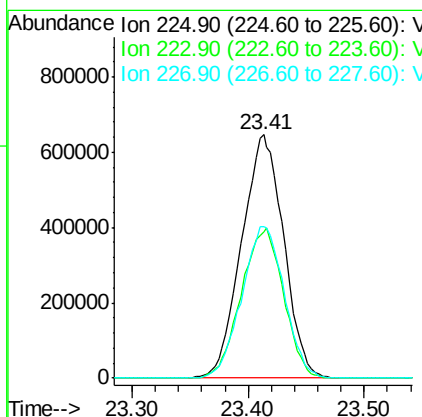
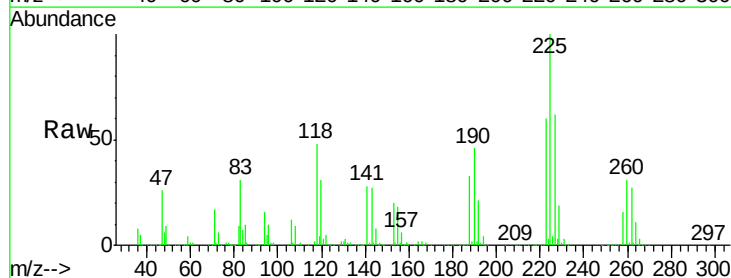
Manual Integrations
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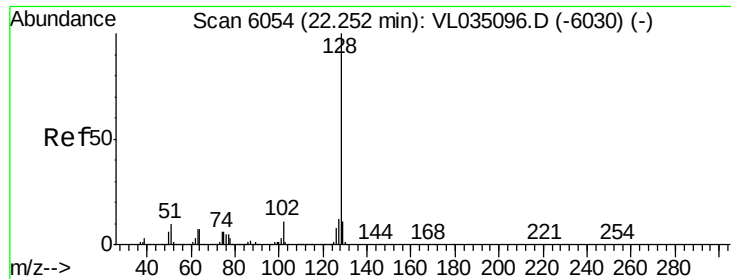
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#78
 Hexachloro-1,3-Butadiene
 Concen: 11.580 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. -0.01 min
 Lab File: VL035166.D
 Acq: 7 Jul 2020 6:32

Tgt Ion:225 Resp: 1626830
 Ion Ratio Lower Upper
 225 100
 223 61.9 51.4 77.0
 227 62.8 51.8 77.8





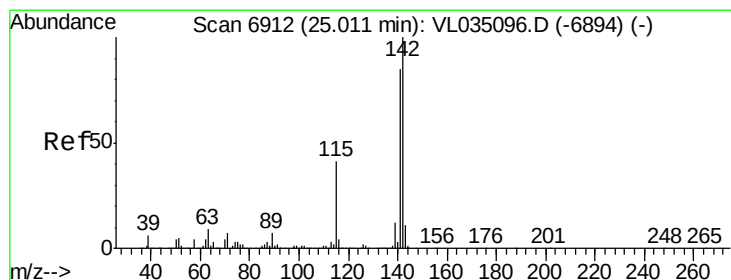
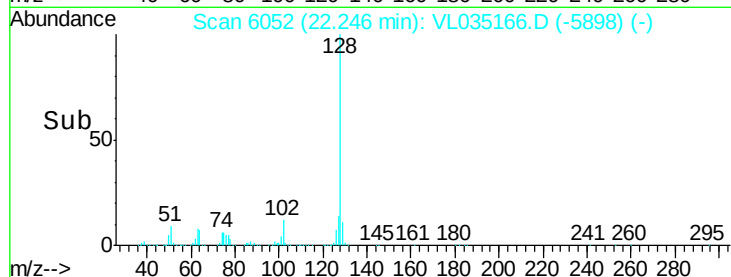
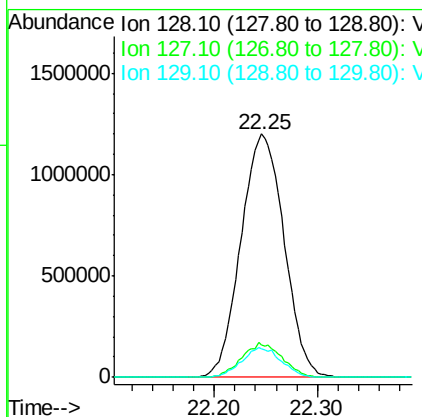
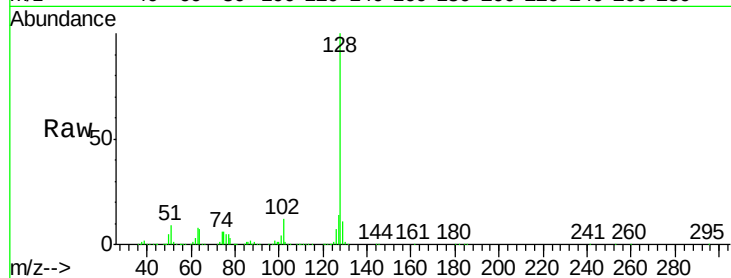
#79
Naphthalene
Concen: 13.894 ppbv
RT: 22.25 min Scan# 6052
Delta R.T. -0.01 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	9.9	14.9
129	11.5	9.0	13.4

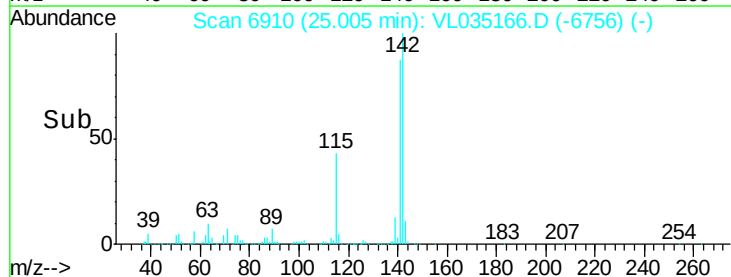
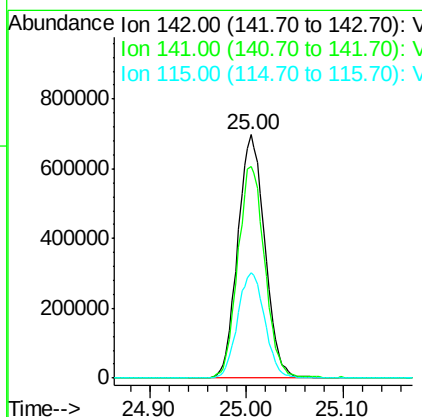
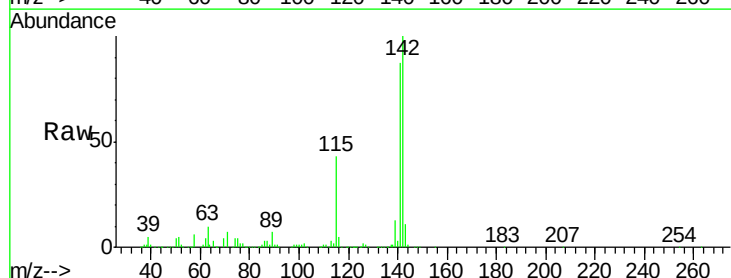
Manual Integrations
APPROVED

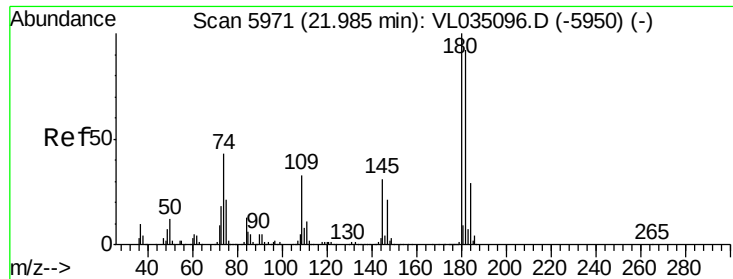
MMDadoda
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#80
Naphthalene, 2-methyl-
Concen: 14.125 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. -0.01 min
Lab File: VL035166.D
Acq: 7 Jul 2020 6:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.9	67.5	101.3
115	43.5	33.8	50.8





#81

1,2,4-Trichlorobenzene

Concen: 12.676 ppbv

RT: 21.98 min Scan# 5969

Delta R.T. -0.01 min

Lab File: VL035166.D

Acq: 7 Jul 2020 6:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:180 Resp: 1834942

Ion Ratio Lower Upper

180 100

182 96.4 77.9 116.9

184 31.2 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

7/9/2020 12:01:43 PM

