

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035040.D
 Acq On : 15 May 2020 10:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:35:35 PM

Quant Time: May 16 00:45:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1105463	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2613638	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2718490	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2119148	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1352797	8.622	ppbv 99
3) Chlorodifluoromethane	2.94	51	1176392	9.321	ppbv 100
4) Chloromethane	3.10	50	673230	9.308	ppbv 95
5) Vinyl Chloride	3.21	62	659268	9.343	ppbv 95
6) Bromomethane	3.43	94	381889	9.064	ppbv 85
7) Chloroethane	3.52	64	240287	9.482	ppbv 99
8) Dichlorotetrafluoroethane	3.14	85	1481642	9.125	ppbv 99
9) Propene	2.96	41	517372	9.447	ppbv 99
10) Heptane	8.13	43	1378650	10.048	ppbv 100
11) Trichlorofluoromethane	3.92	101	1514638	9.363	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1037234	9.004	ppbv 100
13) Ethanol	3.57	45	144458	7.993	ppbv 99
14) Bromoethene	3.70	108	467178	9.814	ppbv 98
15) Acetone	3.82	43	1242250	8.500	ppbv 98
16) 1,3-Butadiene	3.29	39	603825	9.601	ppbv 99
17) tert-Butyl alcohol	4.26	59	1237828	9.519	ppbv 99
18) 1,1-Dichloroethene	4.26	96	496511	9.935	ppbv 97
19) Isopropyl Alcohol	3.93	45	887864	9.110	ppbv 100
20) Methylene Chloride	4.32	84	426611	8.818	ppbv 96
21) Allyl Chloride	4.38	41	827100	10.019	ppbv 97
22) trans-1,2-Dichloroethene	4.86	96	477648	9.649	ppbv 97
23) Vinyl Acetate	5.05	43	1871758	10.100	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1318166	9.235	ppbv 99
25) Ethyl Acetate	5.66	43	2384279	9.712	ppbv 100
26) Hexane	5.67	57	1036768	9.742	ppbv 99
27) Carbon Disulfide	4.52	76	1187087	9.463	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	1571680	9.696	ppbv 99
29) Chloroform	5.74	83	1590919	9.136	ppbv 97
30) Cyclohexane	7.13	84	858435	10.452	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1062794	10.235	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	1514828	9.633	ppbv 100
34) 2-Butanone	5.22	43	1555640	9.577	ppbv 100
35) Carbon Tetrachloride	7.02	117	1536463	9.314	ppbv 98
36) Benzene	6.89	78	2081949	9.662	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1247508	9.385	ppbv 100
38) Trichloroethene	7.84	130	792461	9.493	ppbv 98
39) 1,2-Dichloropropane	7.62	63	832832	9.641	ppbv 98
40) 1,4-Dioxane	7.83	88	317932	9.055	ppbv 93
41) Tetrahydrofuran	6.04	42	868268	10.152	ppbv 99
42) Bromodichloromethane	7.80	83	1659899	9.259	ppbv 99
43) Methyl Methacrylate	8.02	69	945176	10.388	ppbv 100

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 VSTDCCC010EC

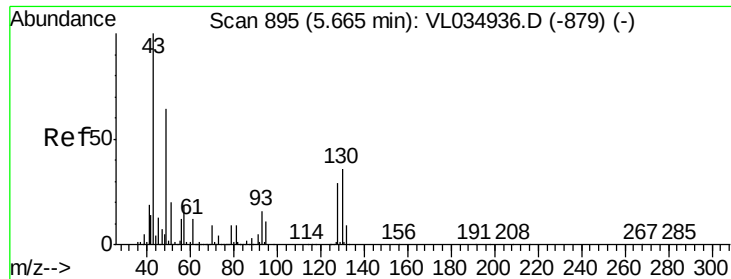
Manual Integrations
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Quant Time: May 16 00:45:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3569119	9.316	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1030156	11.219	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1231528	10.924	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	838474	9.198	ppbv	95
48) Dibromochloromethane	10.33	129	1337279	9.540	ppbv	100
49) Bromoform	13.08	173	1109983	9.202	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2302374	9.940	ppbv	99
51) 2-Hexanone	10.15	43	1885088	10.405	ppbv #	99
52) Tetrachloroethene	11.25	164	727979	9.501	ppbv	97
53) Toluene	9.82	91	2376137	10.402	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1283817	9.591	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1011676	8.252	ppbv #	57
57) Chlorobenzene	12.18	112	1752569	8.138	ppbv	98
58) Ethyl Benzene	12.74	91	3157774	9.394	ppbv	97
59) m/p-Xylene	13.02	91	5159930m	17.446	ppbv	
60) o-Xylene	13.73	91	2549778	8.736	ppbv	100
61) Styrene	13.56	104	1825787	9.885	ppbv	99
62) Isopropylbenzene	14.70	105	3756244	8.620	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1750638	7.620	ppbv	100
64) n-propylbenzene	15.60	120	974405	8.718	ppbv	98
65) tert-Butylbenzene	16.78	119	3232273	8.553	ppbv	100
66) Benzyl Chloride	17.03	91	1165007	9.080	ppbv	98
67) sec-Butylbenzene	17.33	105	4678380	8.672	ppbv	99
69) p-Isopropyltoluene	17.69	119	3919279	8.980	ppbv	99
70) n-Butylbenzene	18.59	91	4262663	9.176	ppbv	99
71) 2-Chlorotoluene	15.49	91	2914388	8.860	ppbv	99
72) 4-Ethyltoluene	15.87	105	2974619	9.135	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2791274	8.809	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	2915556	8.429	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	1703169	8.386	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1701721	8.818	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1673847	8.747	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1549727	9.500	ppbv	98
79) Naphthalene	22.25	128	3419451	12.695	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1075417	16.243	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1799683	11.018	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1105463

Ion Ratio Lower Upper

49 100

128 44.9 22.1 66.5

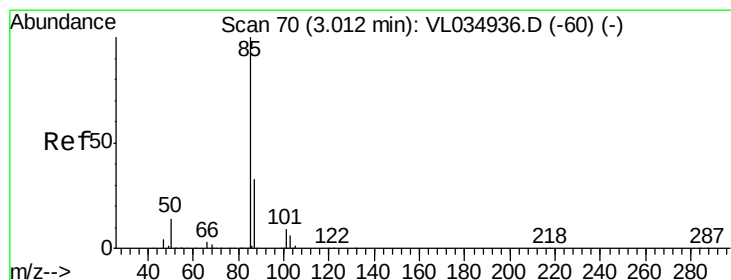
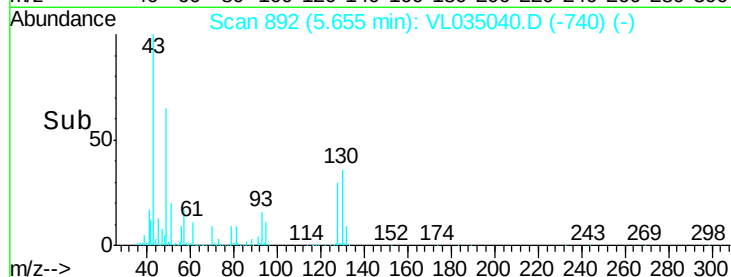
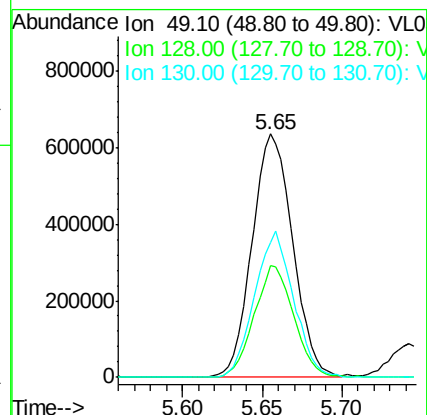
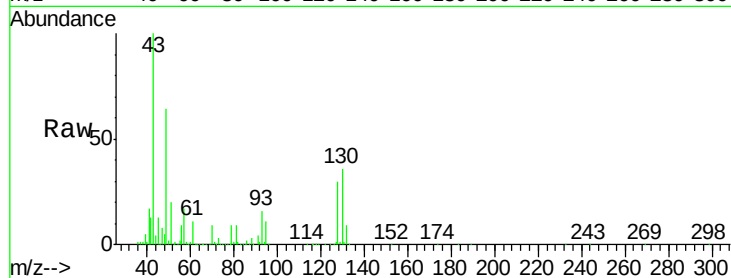
130 57.8 29.1 87.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 8.622 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL035040.D

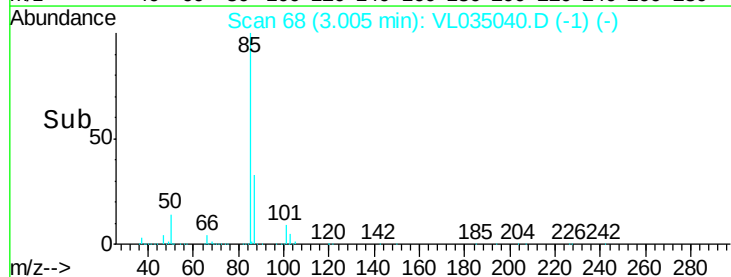
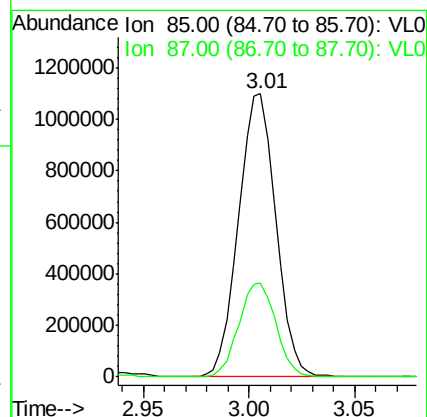
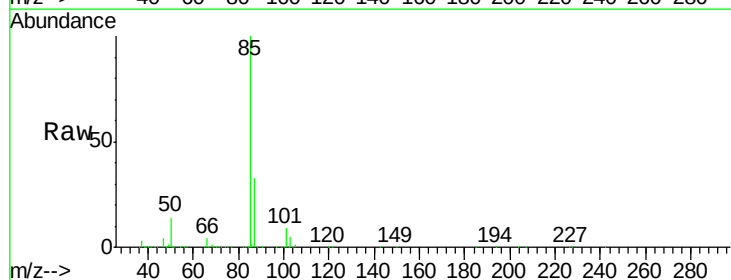
Acq: 15 May 2020 10:44

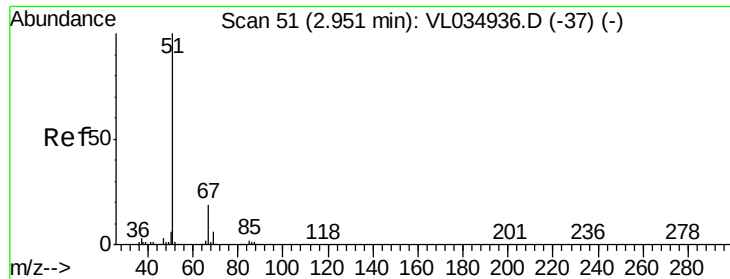
Tgt Ion: 85 Resp: 1352797

Ion Ratio Lower Upper

85 100

87 33.2 26.2 39.2





#3

Chlorodifluoromethane

Concen: 9.321 ppbv

RT: 2.94 min Scan# 49

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Tot Ion: 51 Resp: 1176392

Ion Ratio Lower Upper

51 100

67 18.7 15.0 22.6

Instrument :

MSVOA_L

ClientSampleId :

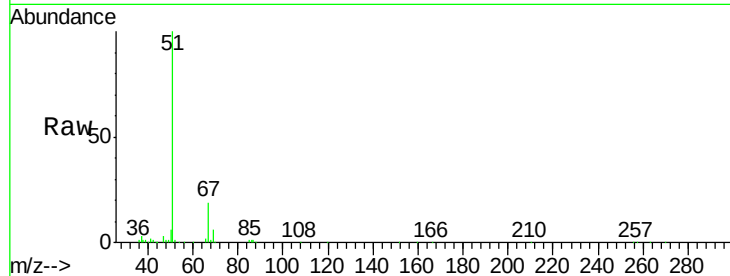
VSTDCCC010EC

Manual Integrations

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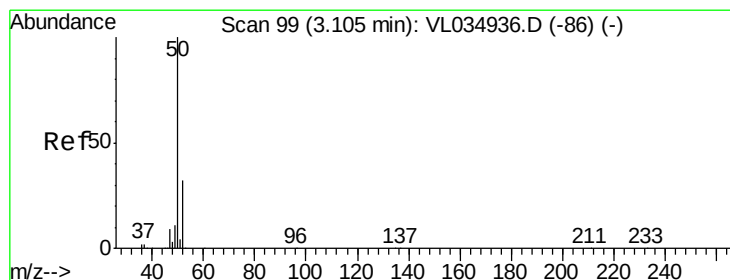
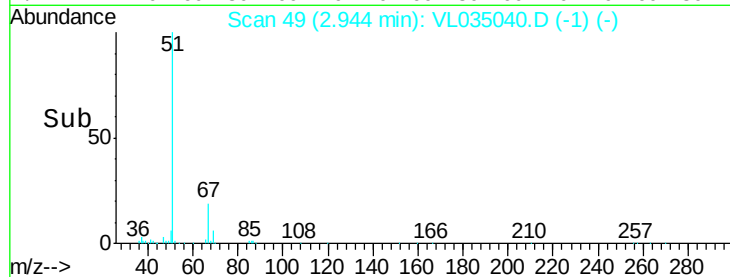
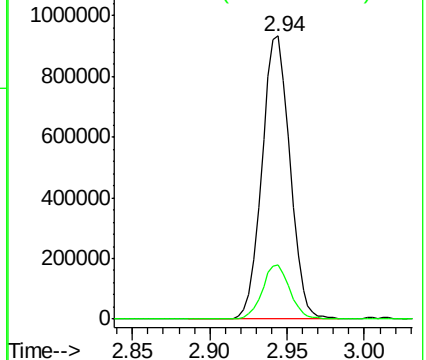
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.308 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.01 min

Lab File: VL035040.D

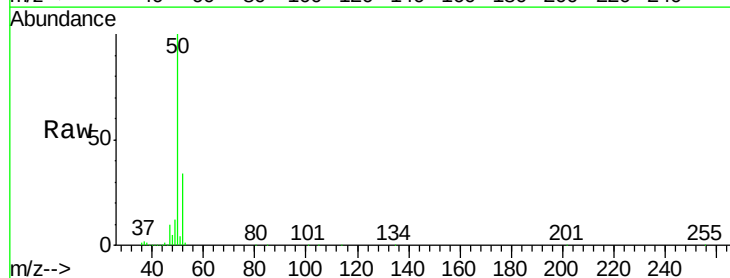
Acq: 15 May 2020 10:44

Tgt Ion: 50 Resp: 673230

Ion Ratio Lower Upper

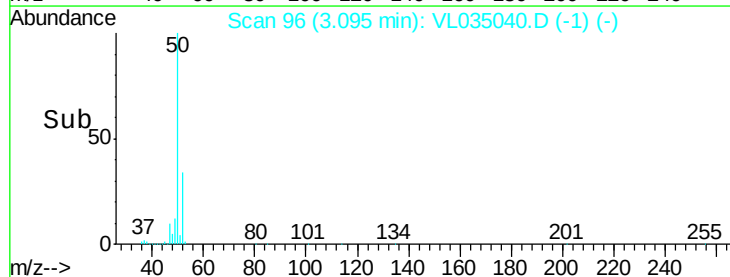
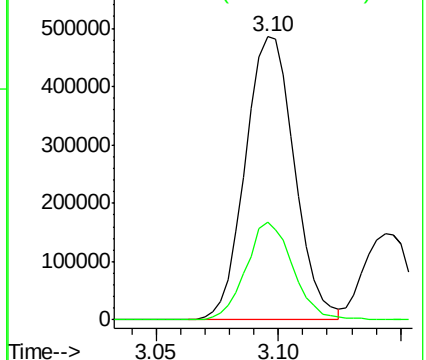
50 100

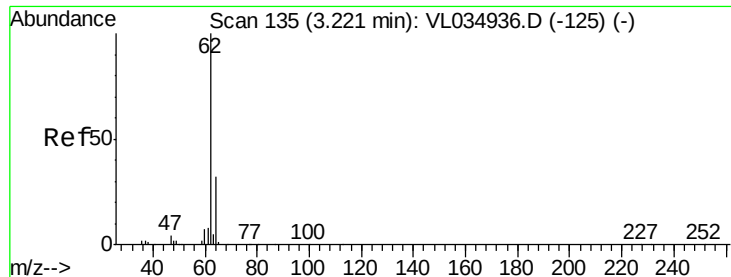
52 34.4 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.343 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 659268

Ion Ratio Lower Upper

62 100

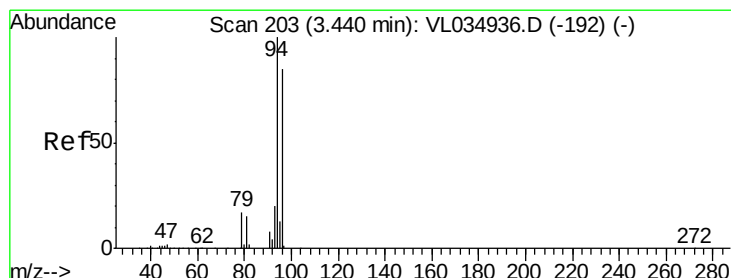
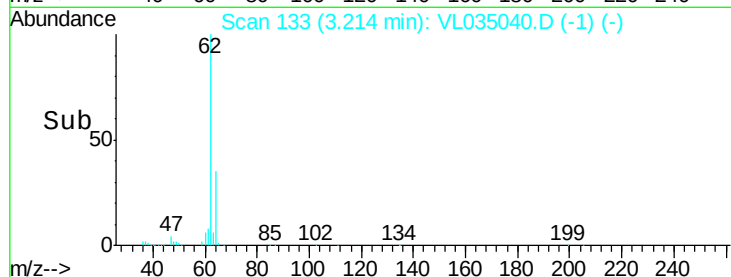
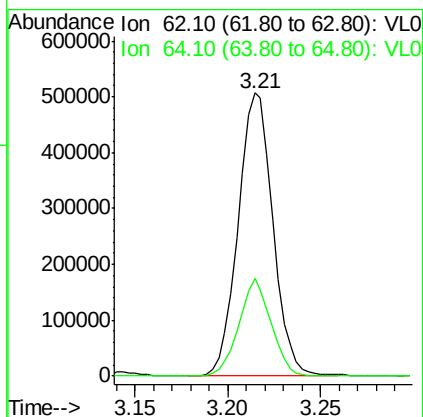
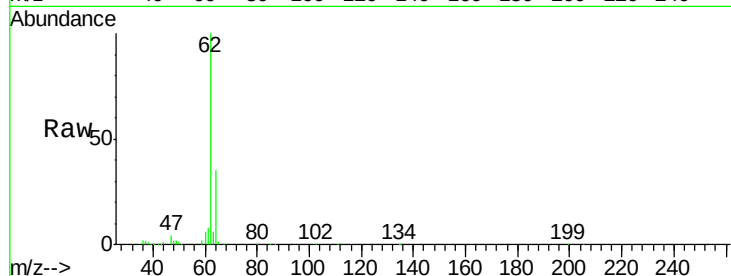
64 34.7 25.7 38.5

Manual Integrations

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#6

Bromomethane

Concen: 9.064 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.01 min

Lab File: VL035040.D

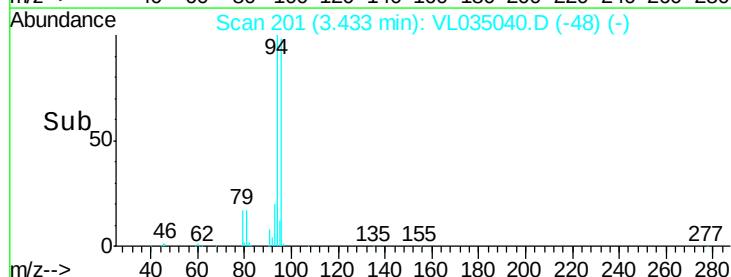
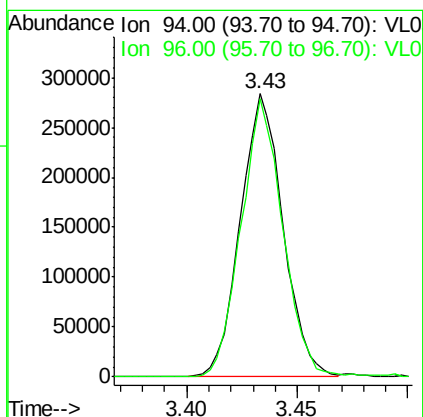
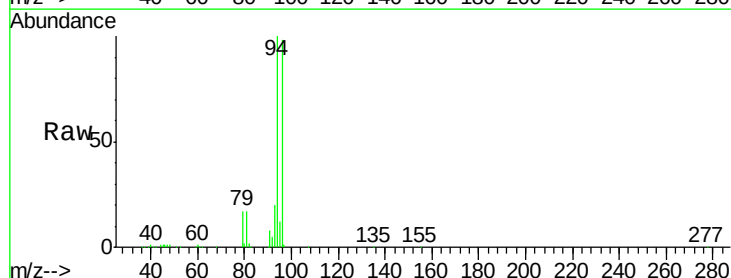
Acq: 15 May 2020 10:44

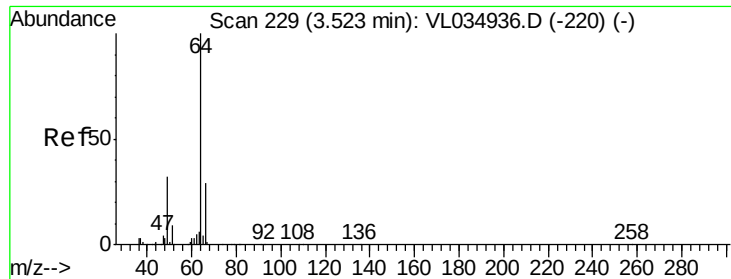
Tgt Ion: 94 Resp: 381889

Ion Ratio Lower Upper

94 100

96 98.4 67.9 101.9





#7

Chloroethane

Concen: 9.482 ppbv

RT: 3.52 min Scan# 228

Delta R.T. -0.00 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 240287

Ion Ratio Lower Upper

64 100

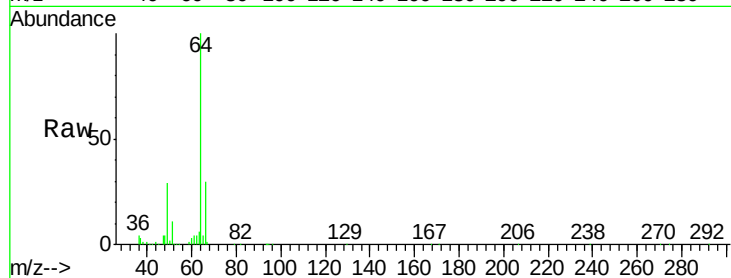
66 29.6 23.2 34.8

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

200000

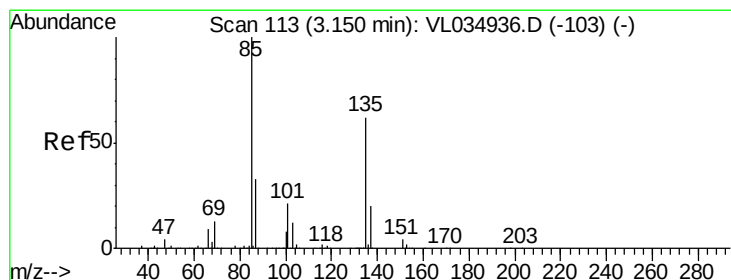
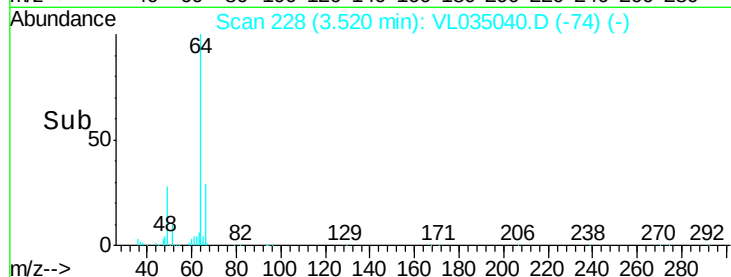
150000

100000

50000

0

Time--> 3.45 3.50 3.55



#8

Dichlorotetrafluoroethane

Concen: 9.125 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL035040.D

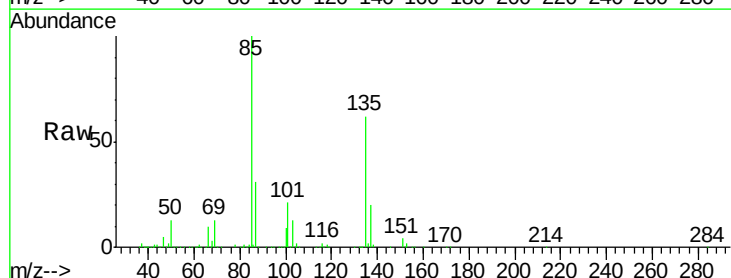
Acq: 15 May 2020 10:44

Tgt Ion: 85 Resp: 1481642

Ion Ratio Lower Upper

85 100

135 63.0 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

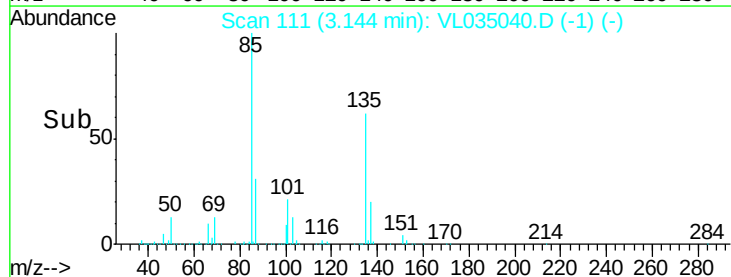
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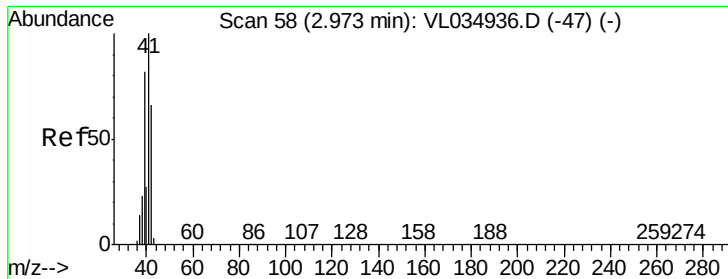
1000000

500000

0

Time--> 3.10 3.15 3.20





#9

Propene

Concen: 9.447 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 517372

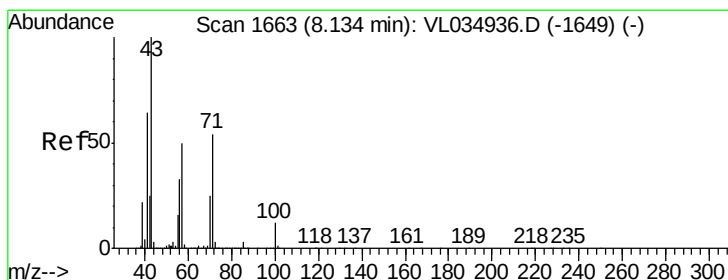
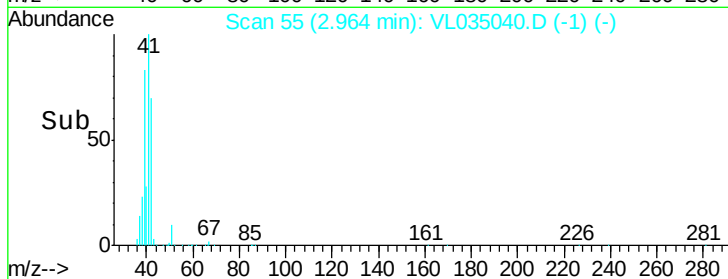
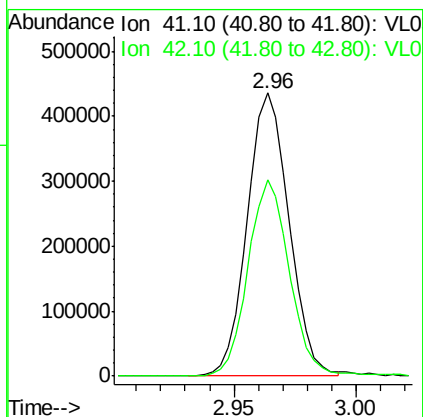
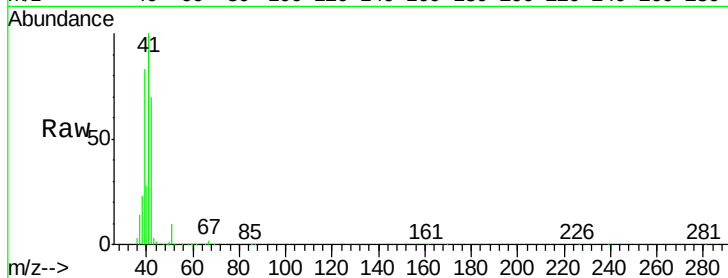
Ion Ratio Lower Upper

41 100

42 69.0 54.5 81.7

Manual Integrations
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#10

Heptane

Concen: 10.048 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VL035040.D

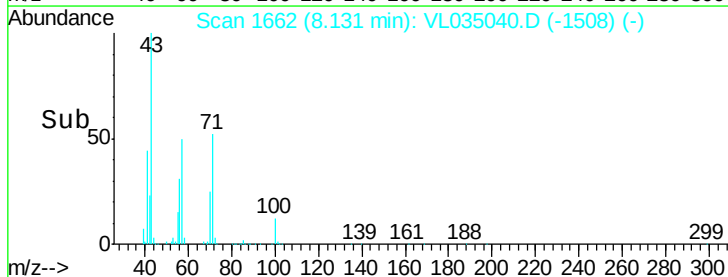
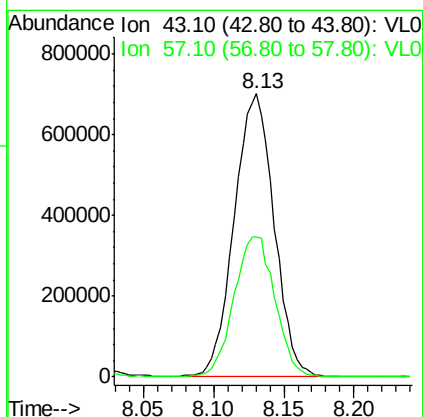
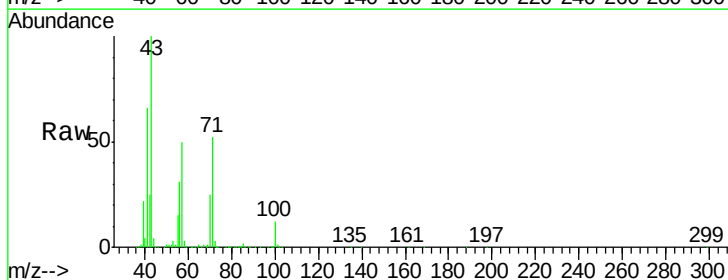
Acq: 15 May 2020 10:44

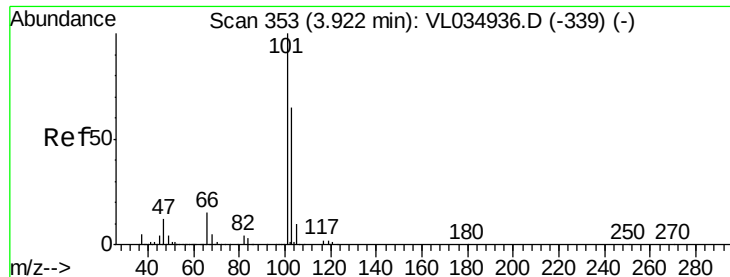
Tgt Ion: 43 Resp: 1378650

Ion Ratio Lower Upper

43 100

57 51.2 41.1 61.7





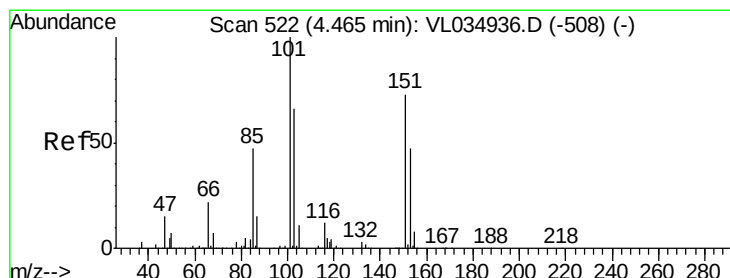
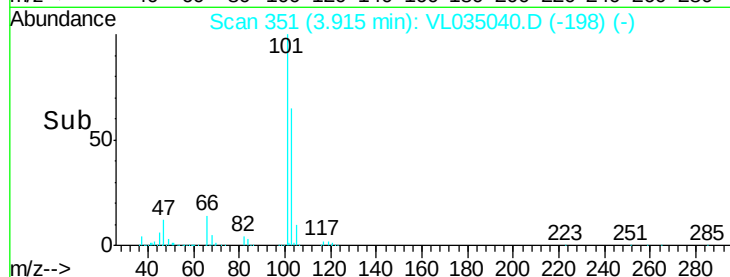
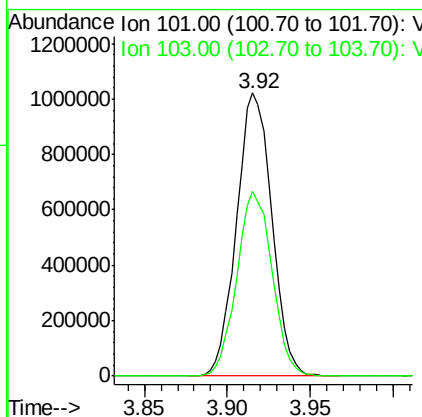
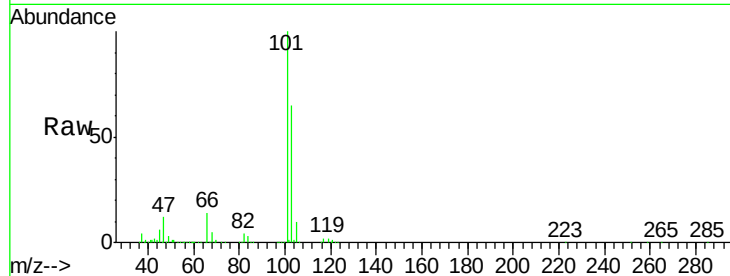
#11
 Trichlorofluoromethane
 Concen: 9.363 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1514638
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.9 77.9

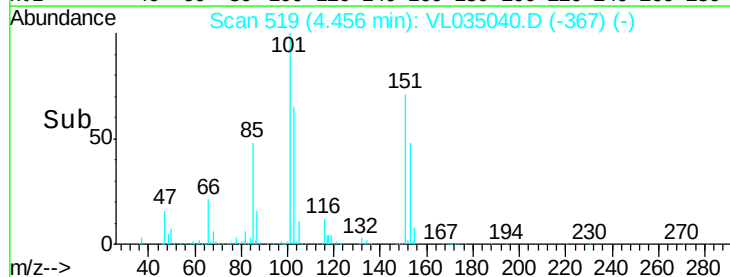
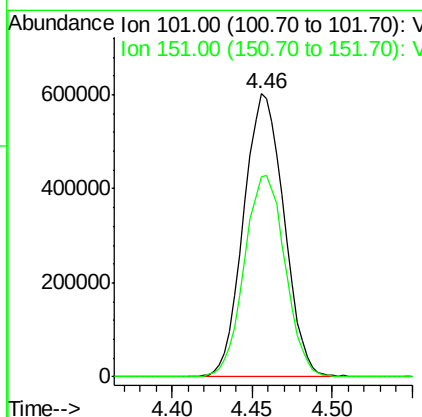
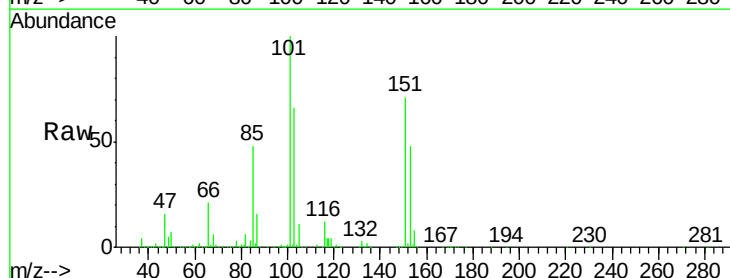
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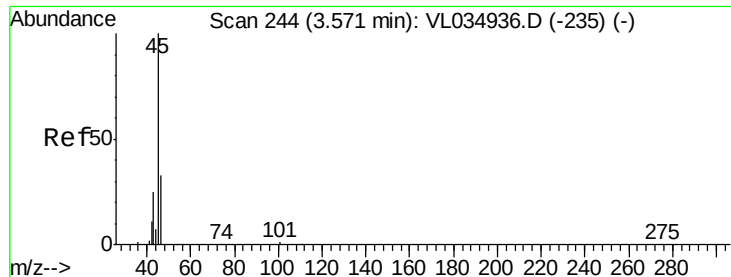
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.004 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion:101 Resp: 1037234
 Ion Ratio Lower Upper
 101 100
 151 71.9 57.6 86.4





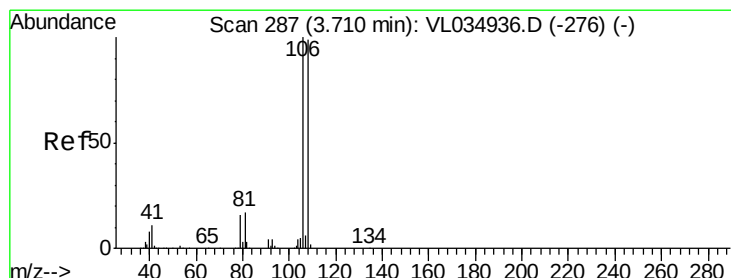
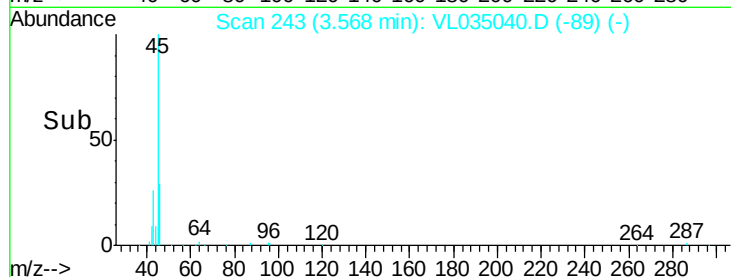
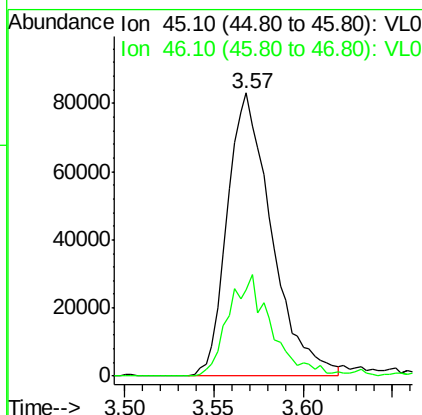
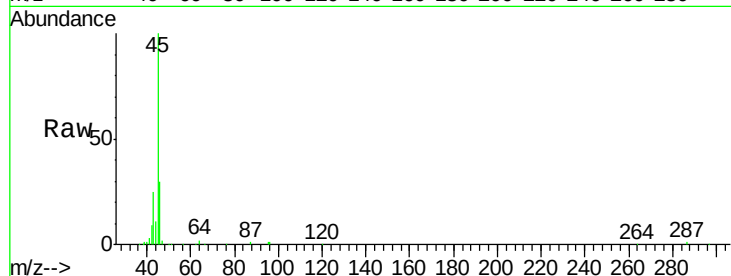
#13
Ethanol
Concen: 7.993 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	144458
Ion Ratio	100	Lower	Upper
45	100		
46	36.3	14.3	57.3

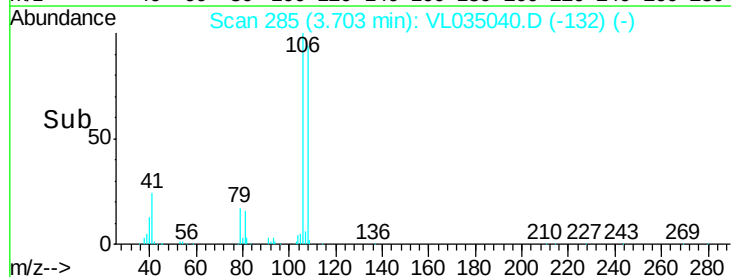
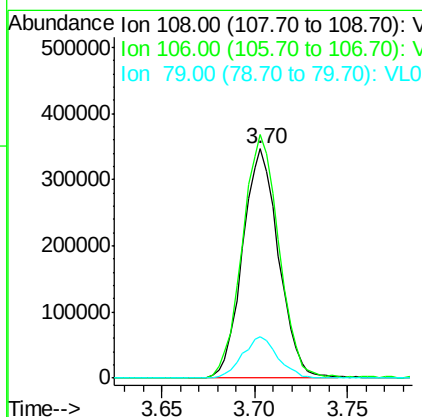
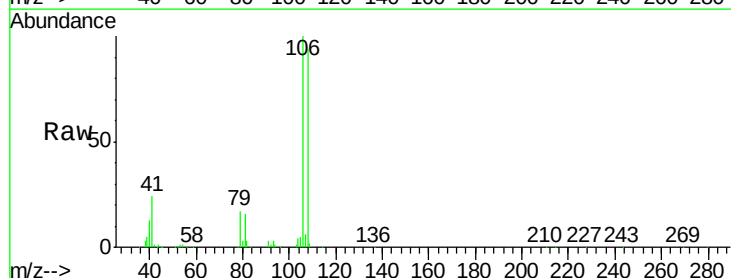
Manual Integrations
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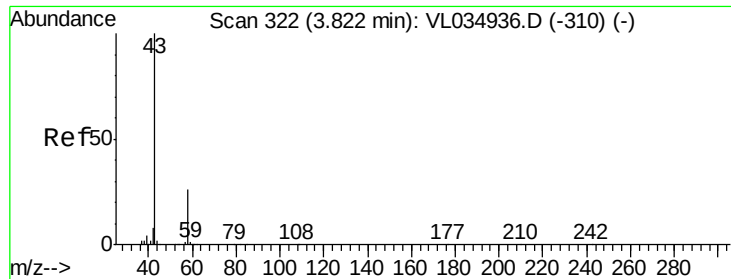
MMDadoda
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#14
Bromoethene
Concen: 9.814 ppbv
RT: 3.70 min Scan# 285
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion	108	Resp	467178
Ion Ratio	100	Lower	Upper
108	100		
106	108.1	84.9	127.3
79	18.1	14.1	21.1





#15

Acetone

Concen: 8.500 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1242250

Ion Ratio Lower Upper

43 100

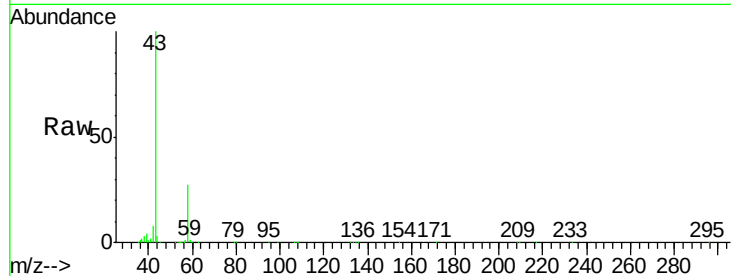
58 25.9 21.7 32.5

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

1000000

800000

600000

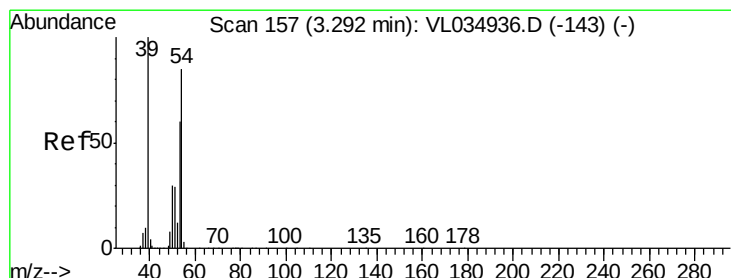
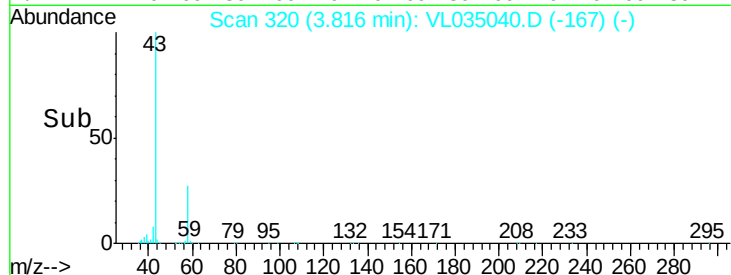
400000

200000

0

3.75 3.80 3.85

Time-->



#16

1,3-Butadiene

Concen: 9.601 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.01 min

Lab File: VL035040.D

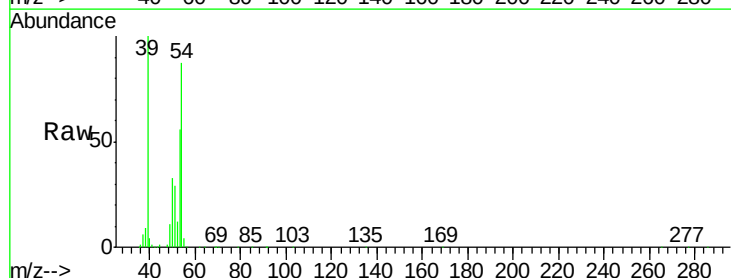
Acq: 15 May 2020 10:44

Tgt Ion: 39 Resp: 603825

Ion Ratio Lower Upper

39 100

54 84.5 66.6 100.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

300000

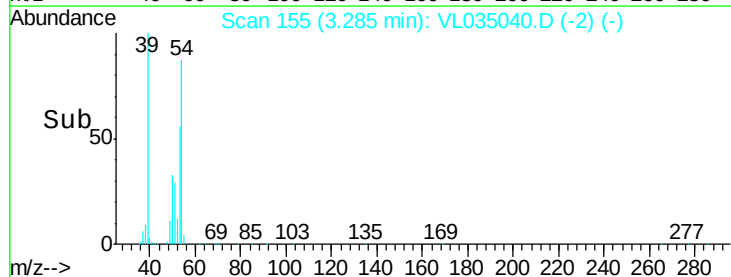
200000

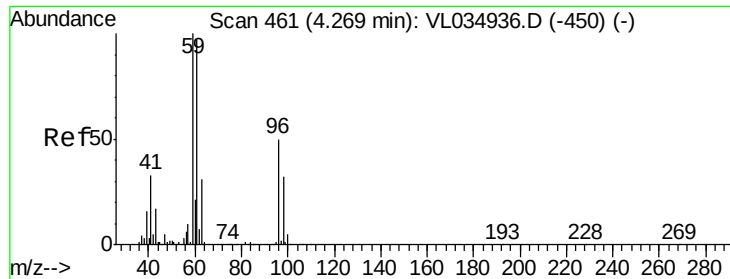
100000

0

3.20 3.25 3.30 3.35

Time-->





#17

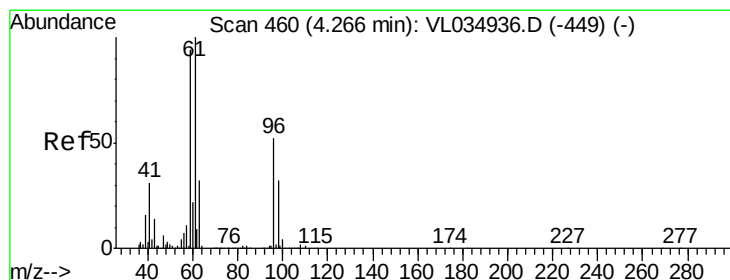
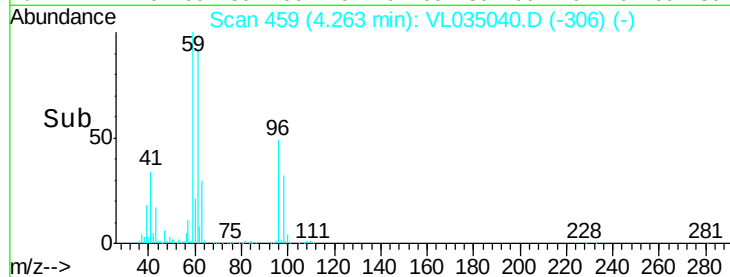
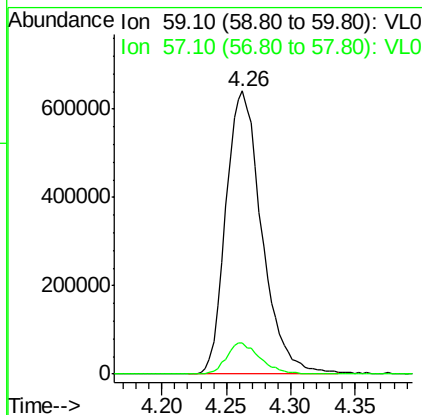
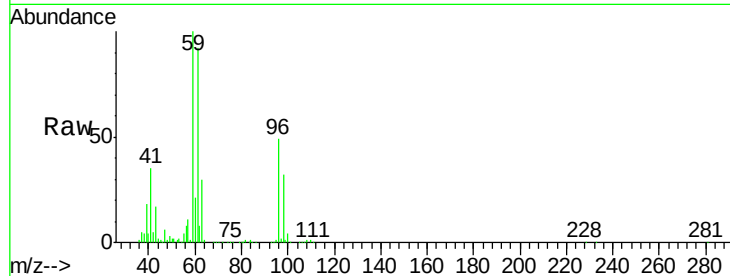
tert-Butyl alcohol
 Concen: 9.519 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1237828
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.7 13.1

Manual Integrations
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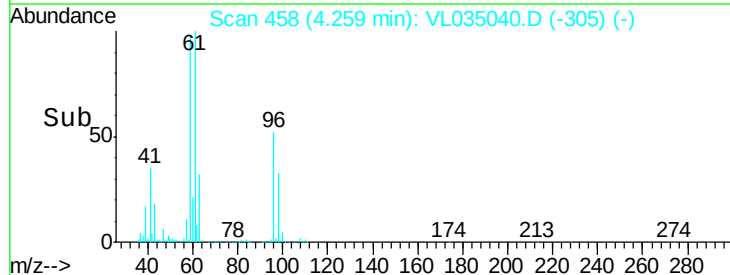
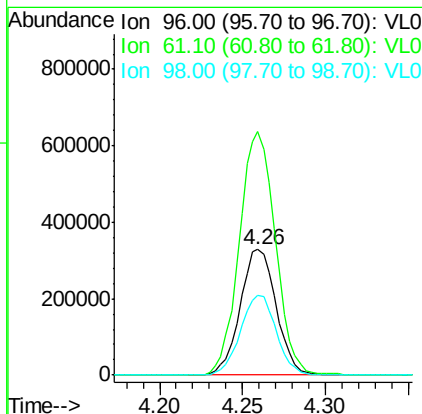
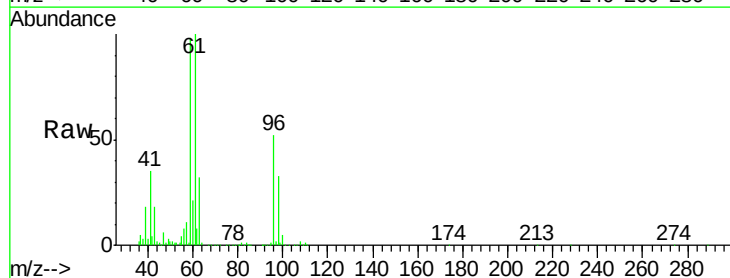
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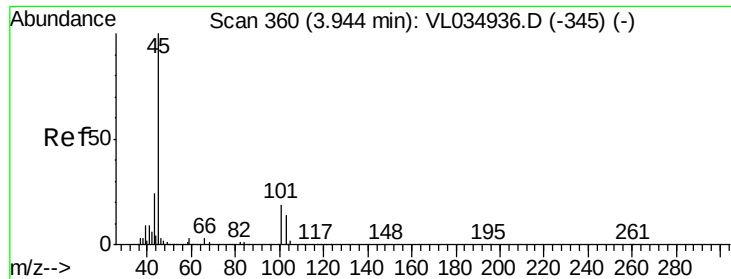


#18

1,1-Dichloroethene
 Concen: 9.935 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion: 96 Resp: 496511
 Ion Ratio Lower Upper
 96 100
 61 194.1 152.4 228.6
 98 63.3 48.8 73.2





#19

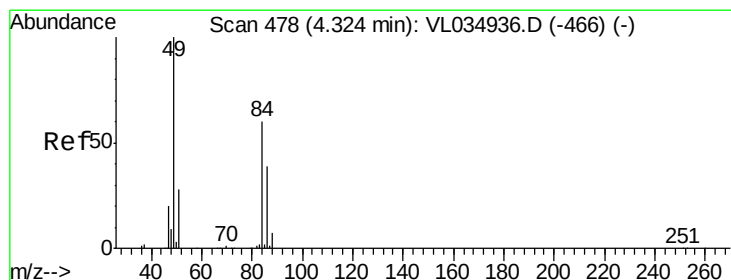
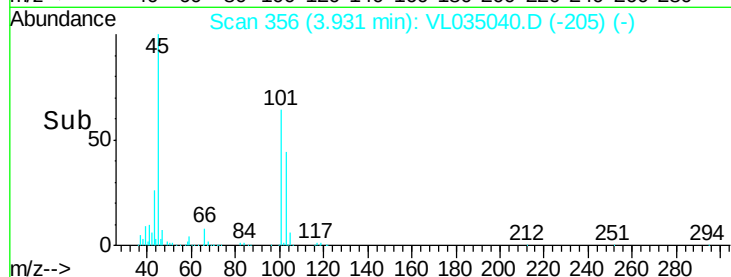
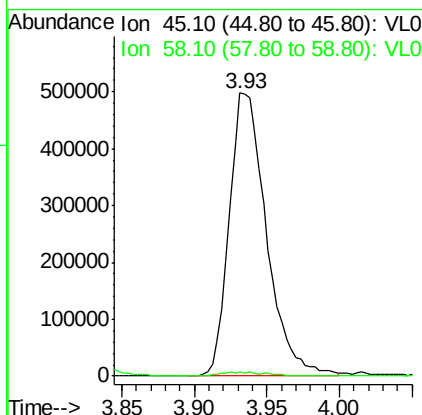
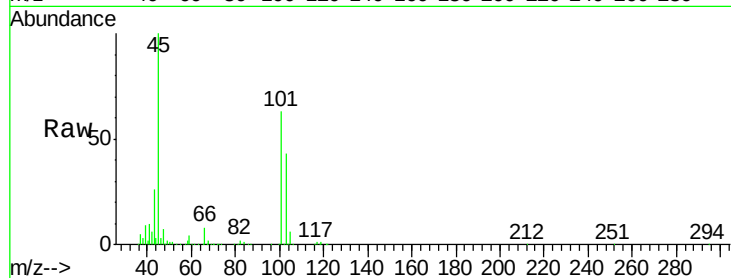
Isopropyl Alcohol
 Concen: 9.110 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	45	Resp	887864
Ion Ratio	100	Lower	Upper
45	100		
58	2.2	1.7	2.5

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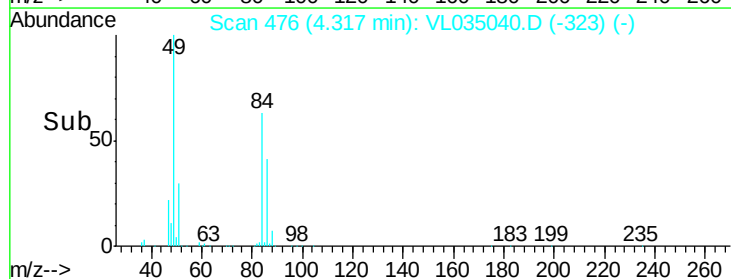
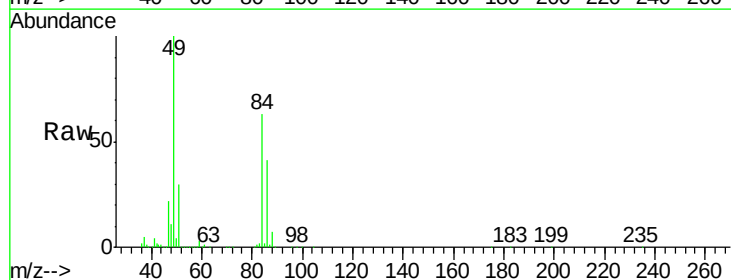
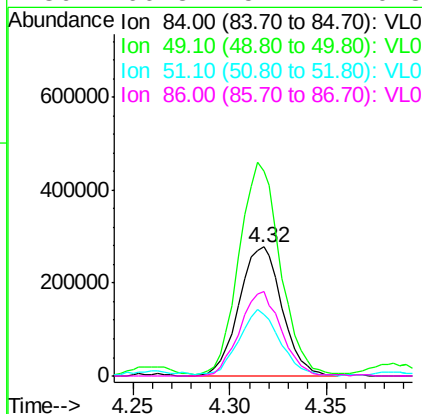
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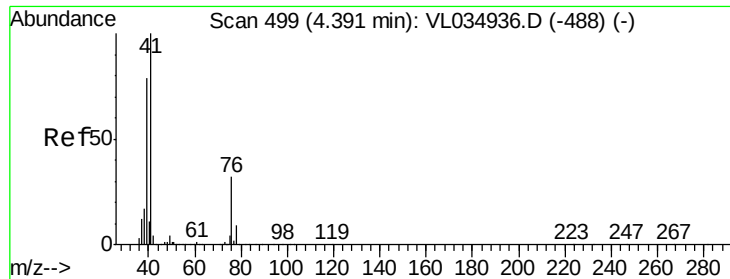


#20

Methylene Chloride
 Concen: 8.818 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion	84	Resp	426611
Ion Ratio	100	Lower	Upper
84	100		
49	158.2	132.5	198.7
51	47.6	38.4	57.6
86	66.3	51.2	76.8





#21

Allvl Chloride

Concen: 10.019 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

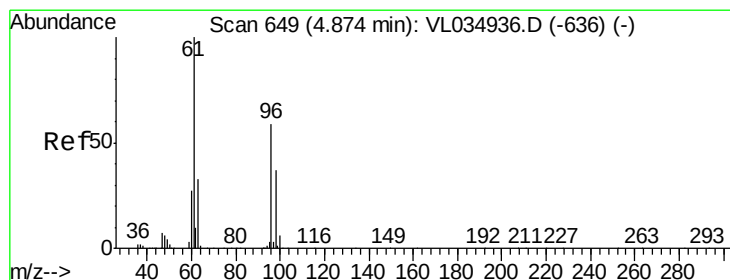
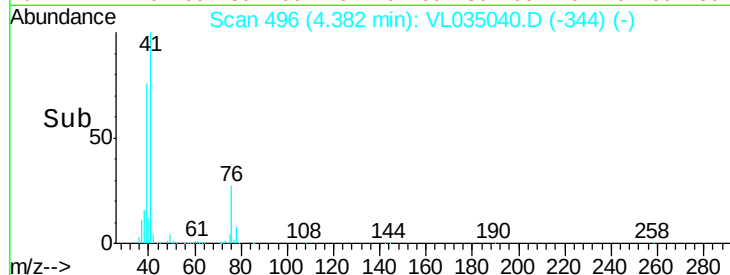
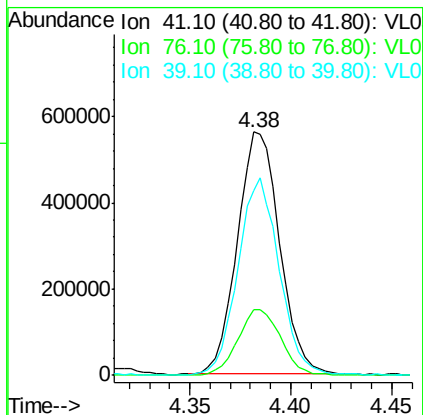
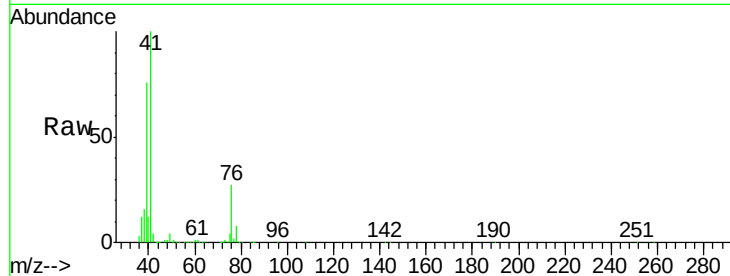
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	827100
Ion Ratio		Lower	Upper
41	100		
76	27.5	23.6	35.4
39	79.5	61.9	92.9

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.649 ppbv

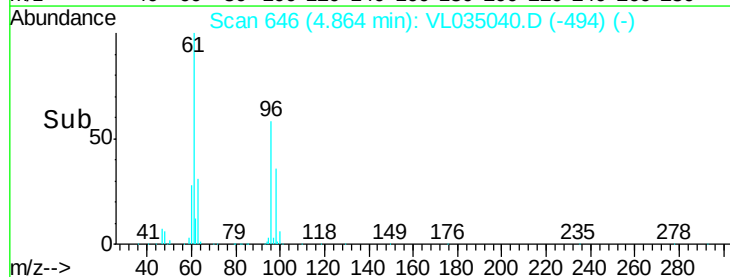
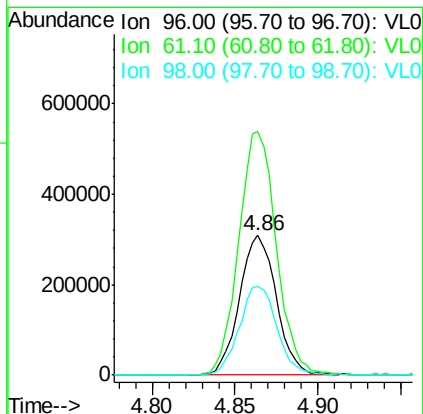
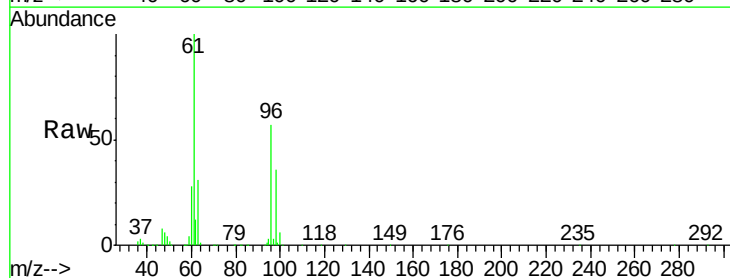
RT: 4.86 min Scan# 646

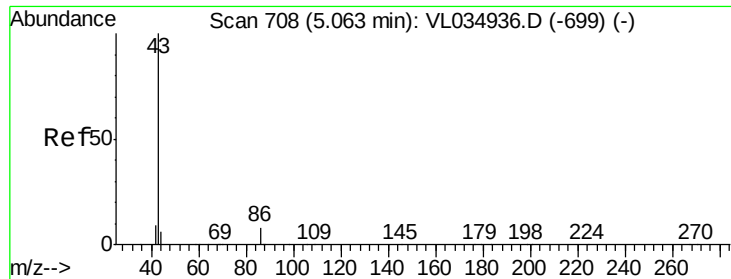
Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Tgt Ion:	96	Resp:	477648
Ion Ratio		Lower	Upper
96	100		
61	174.1	135.3	202.9
98	63.1	50.4	75.6





#23

Vinyl Acetate

Concen: 10.100 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Tot Ion: 43 Resp: 1871758

Ion Ratio Lower Upper

43 100

86 7.2 5.5 8.3

42 9.5 8.0 12.0

44 5.6 4.5 6.7

Instrument :

MSVOA_L

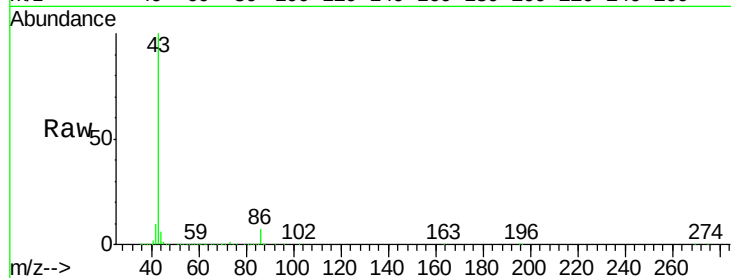
ClientSampleId :

VSTDCCC010EC

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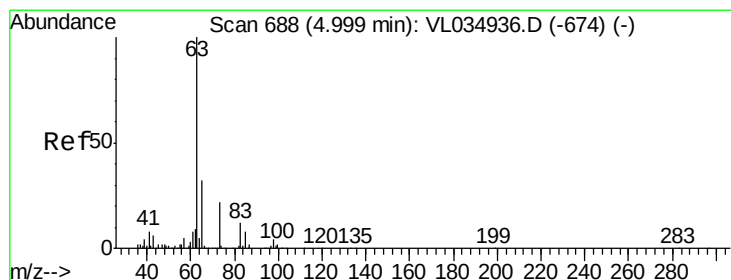
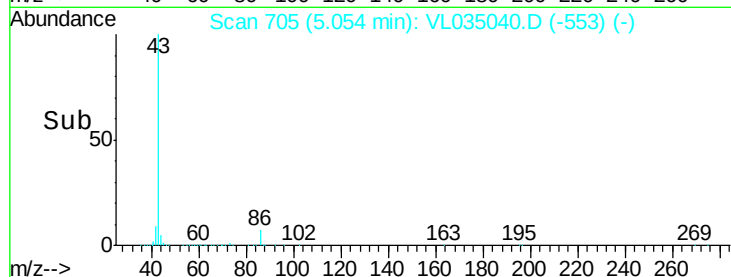
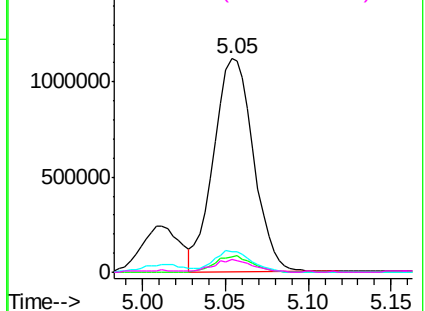


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.235 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

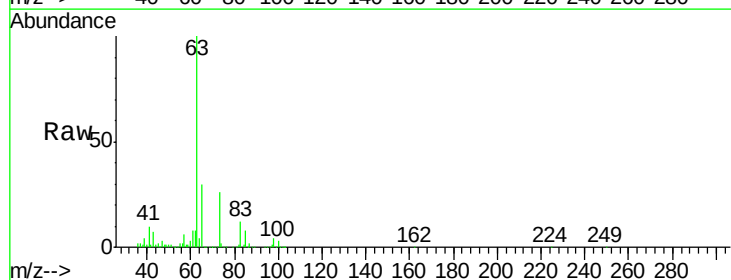
Tgt Ion: 63 Resp: 1318166

Ion Ratio Lower Upper

63 100

98 4.3 2.0 6.0

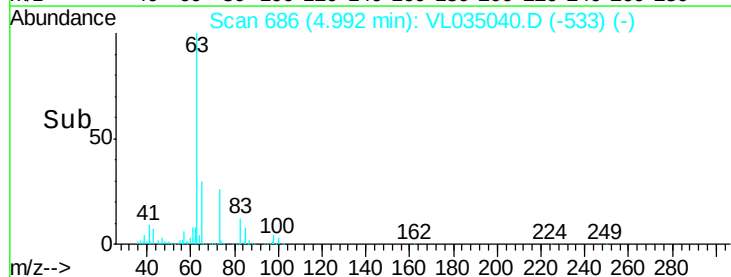
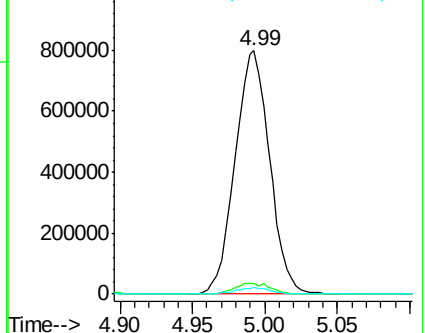
100 2.9 1.1 3.5

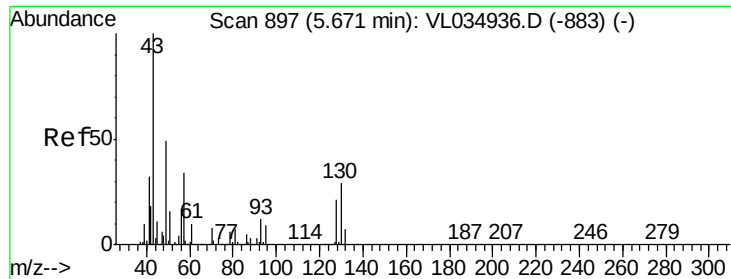


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





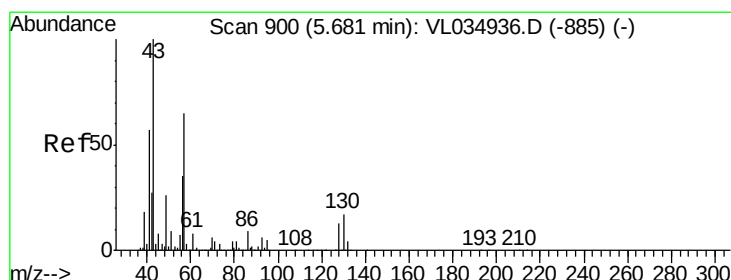
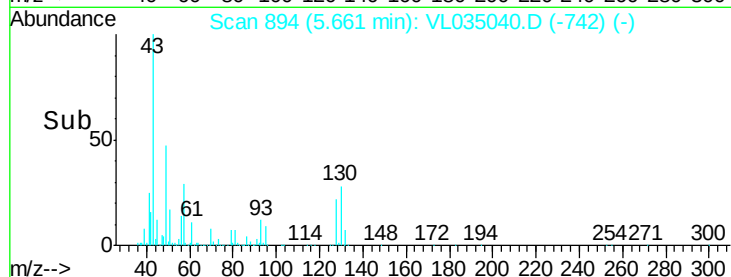
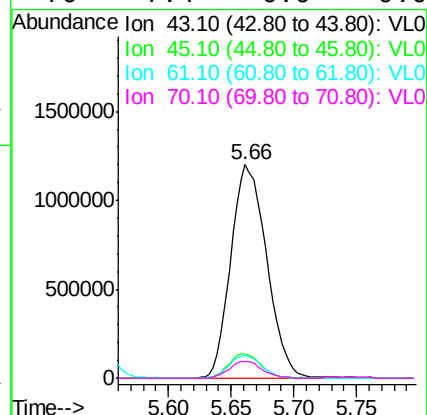
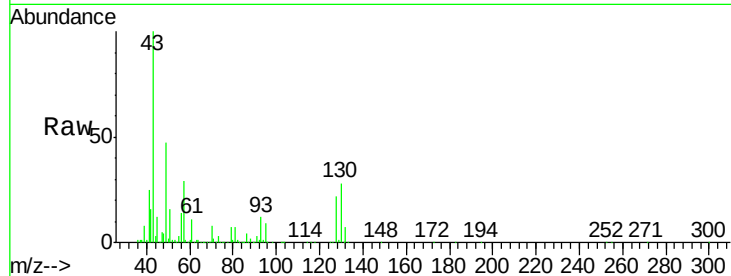
#25
Ethyl Acetate
Concen: 9.712 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	2384279
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	9.6	7.8	11.8
70	7.4	6.0	9.0

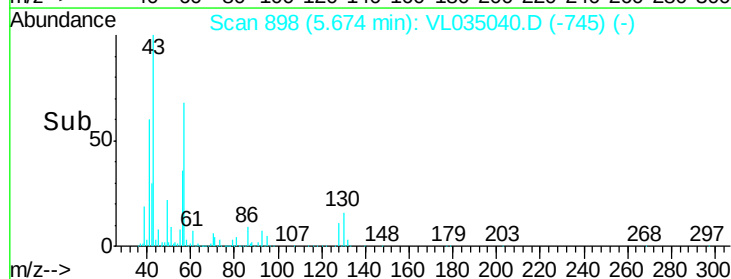
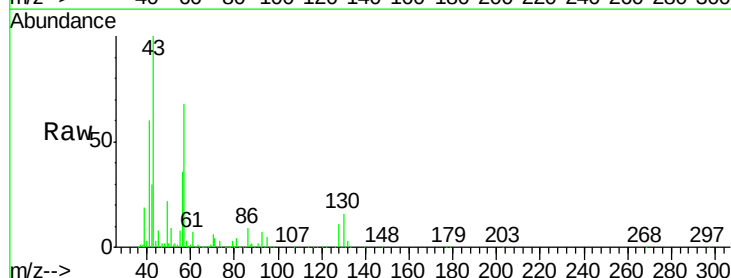
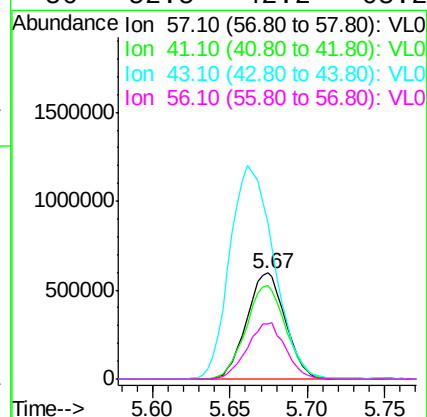
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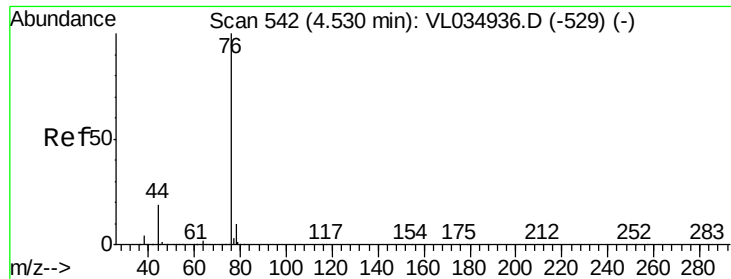
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#26
Hexane
Concen: 9.742 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion	57	Resp	1036768
Ion	Ratio	Lower	Upper
57	100		
41	91.2	72.7	109.1
43	230.9	182.1	273.1
56	52.5	42.2	63.2





#27

Carbon Disulfide

Concen: 9.463 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1187087

Ion Ratio Lower Upper

76 100

44 20.0 15.2 22.8

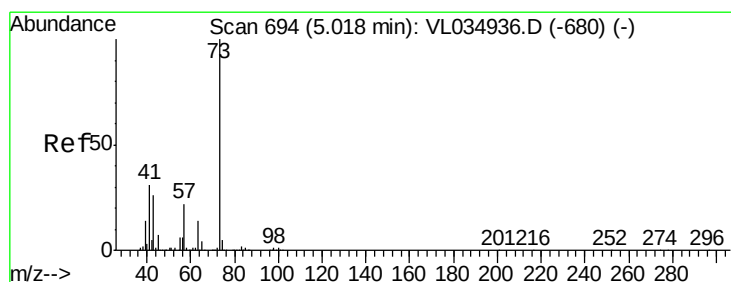
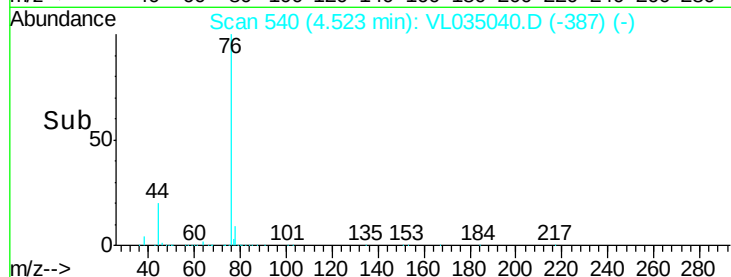
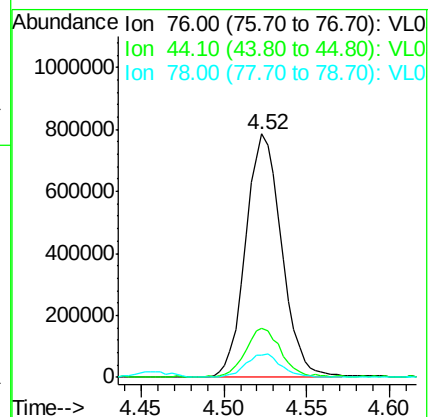
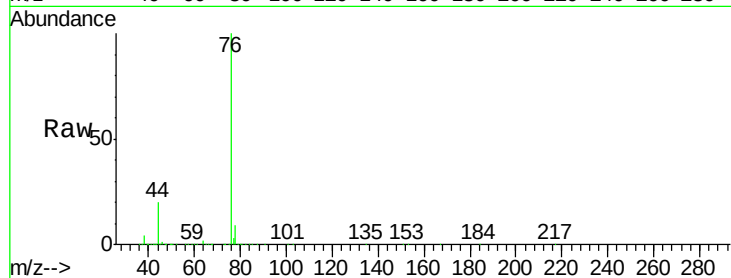
78 9.4 7.7 11.5

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.696 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL035040.D

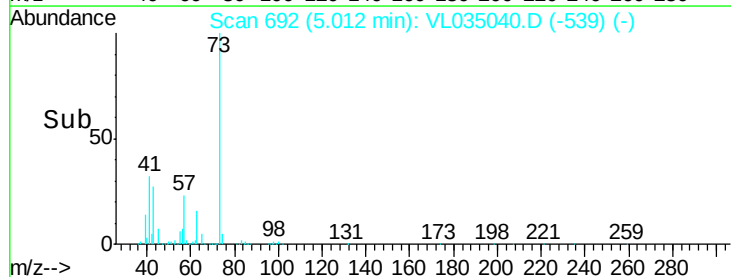
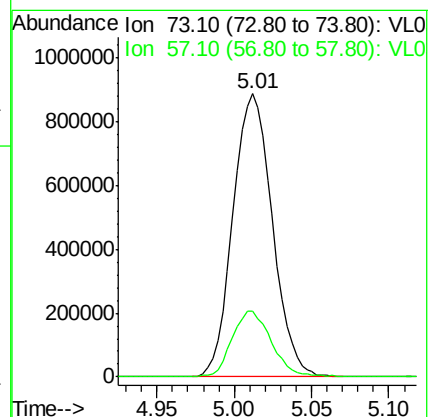
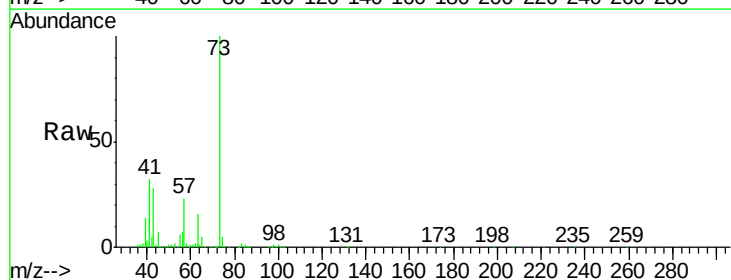
Acq: 15 May 2020 10:44

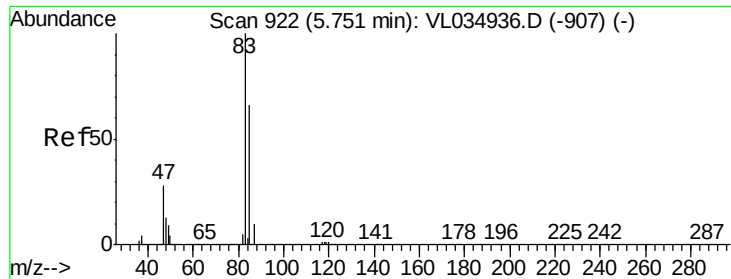
Tgt Ion: 73 Resp: 1571680

Ion Ratio Lower Upper

73 100

57 23.3 18.3 27.5





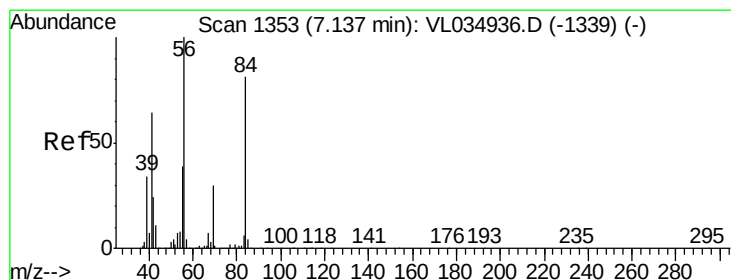
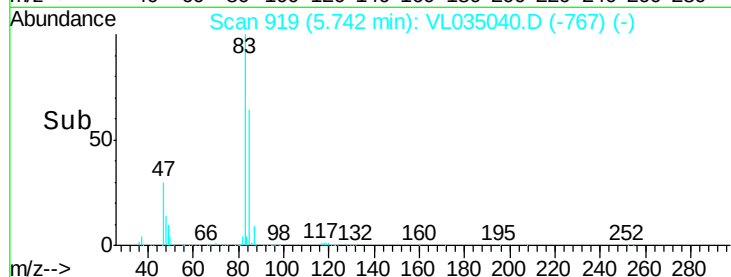
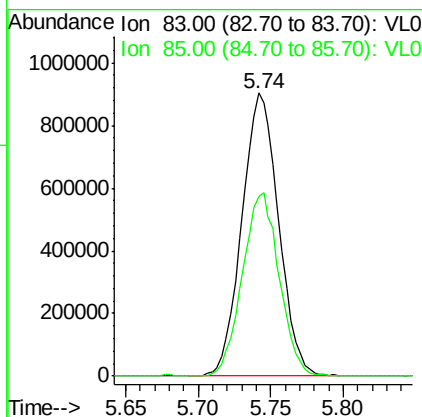
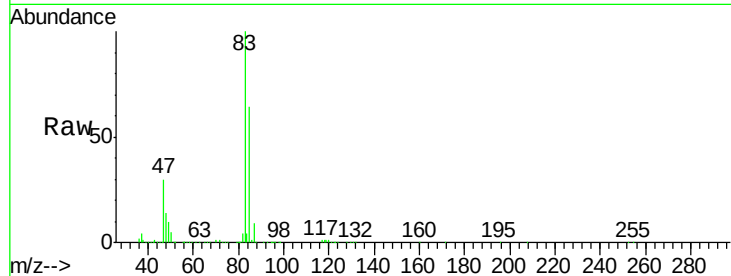
#29
Chloroform
Concen: 9.136 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1590919
Ion Ratio Lower Upper
83 100
85 63.7 53.0 79.6

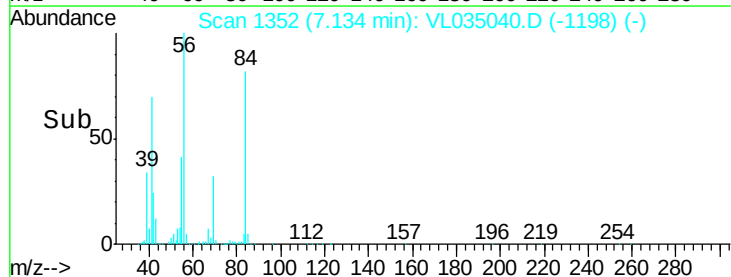
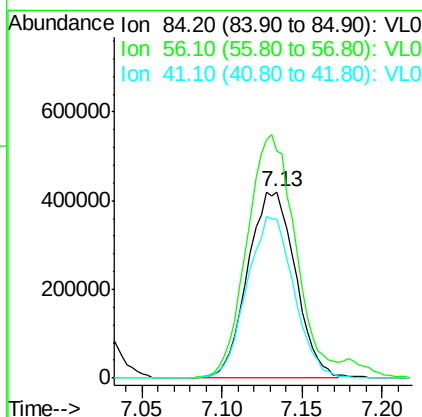
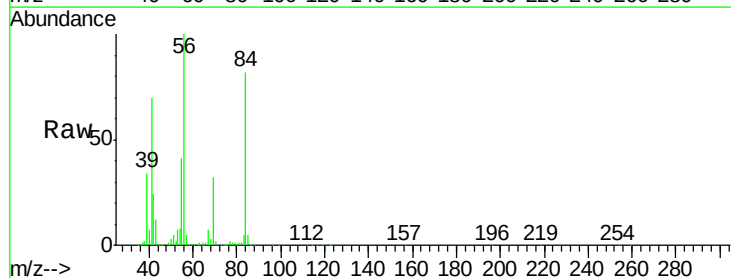
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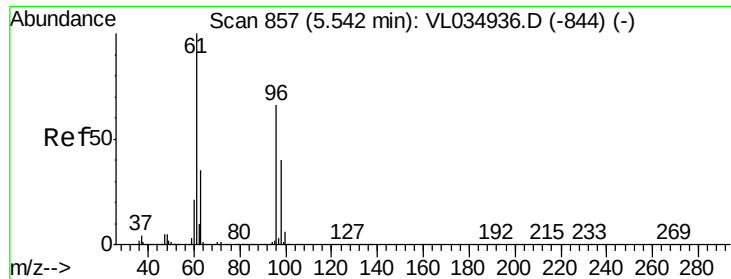
MMDadoda
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#30
Cyclohexane
Concen: 10.452 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion: 84 Resp: 858435
Ion Ratio Lower Upper
84 100
56 139.2 111.4 167.2
41 85.6 66.7 100.1





#31

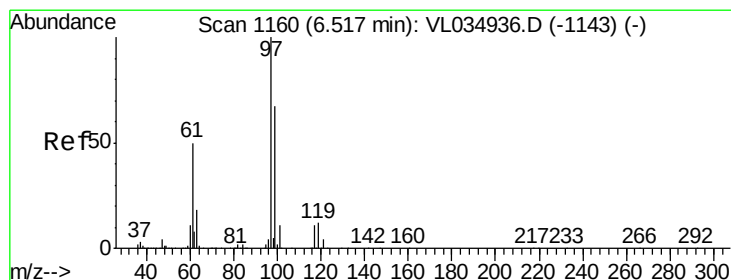
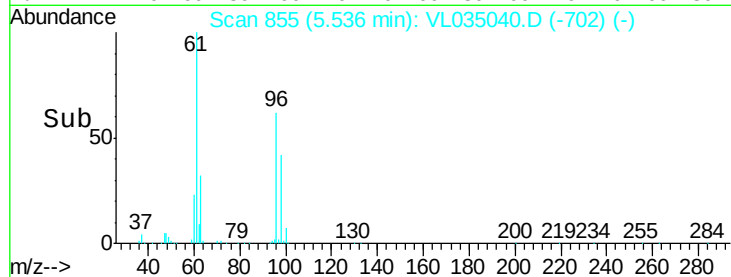
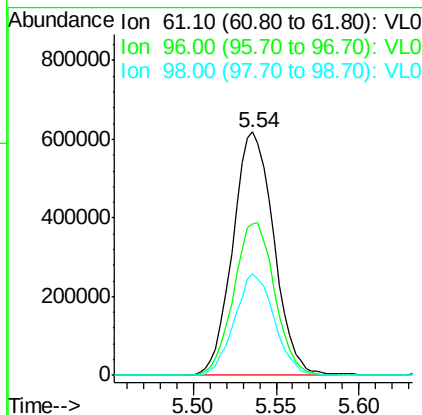
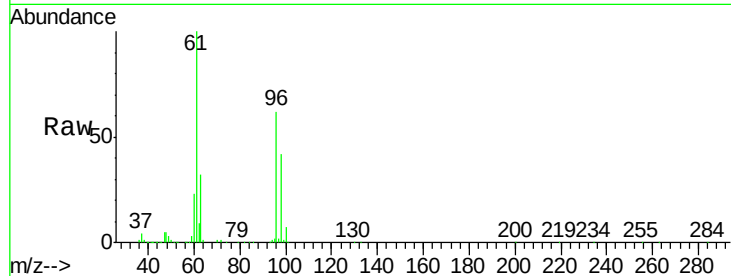
cis-1,2-Dichloroethene
Concen: 10.235 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.3	53.0	79.6
98	41.9	32.2	48.2

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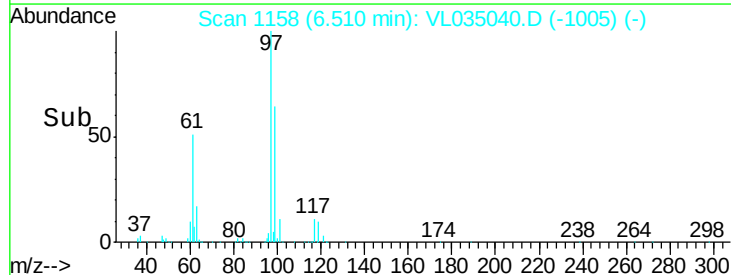
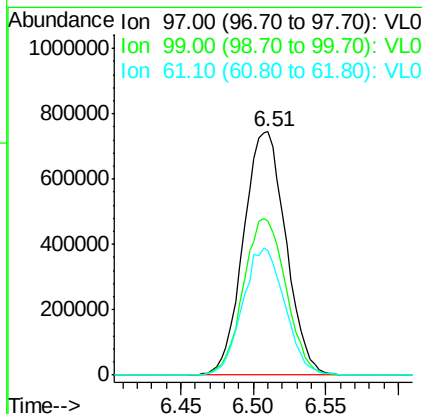
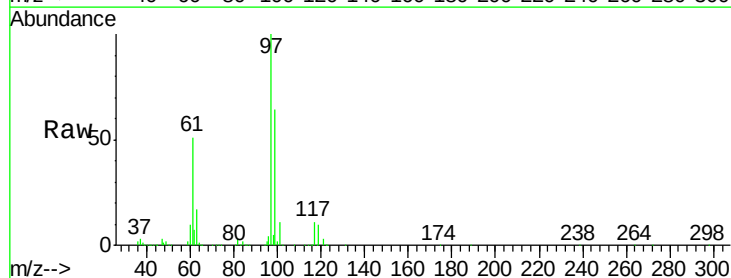
MMDadoda
5/18/2020 1:35:35 PM

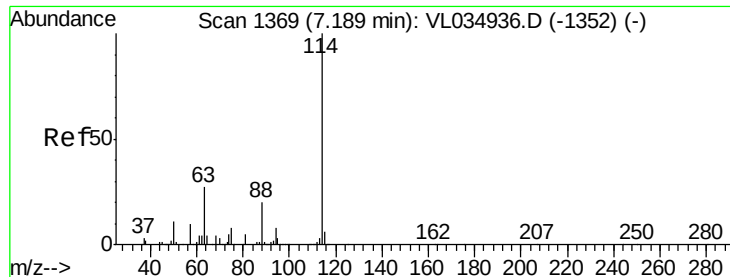


#32

1,1,1-Trichloroethane
Concen: 9.633 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.1	78.1
61	52.0	41.8	62.8





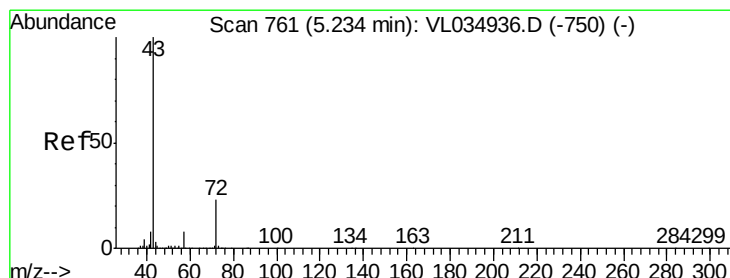
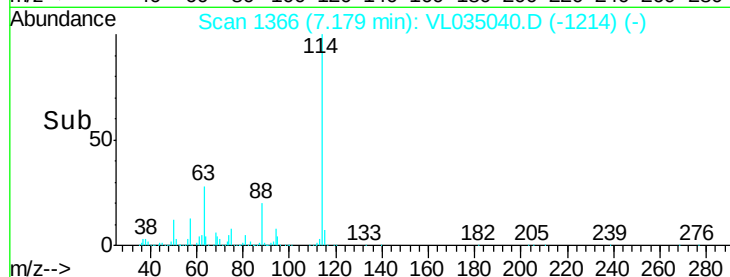
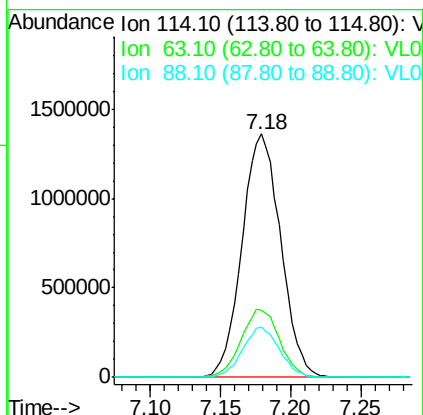
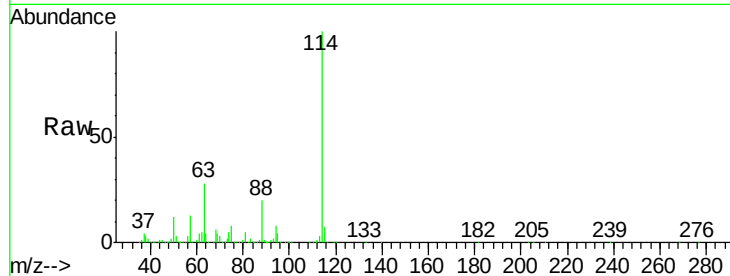
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.2	33.4
88	19.8	15.5	23.3

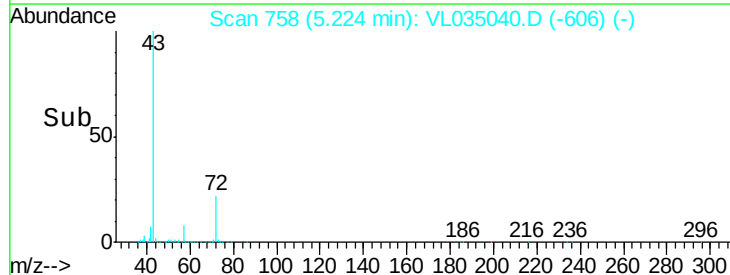
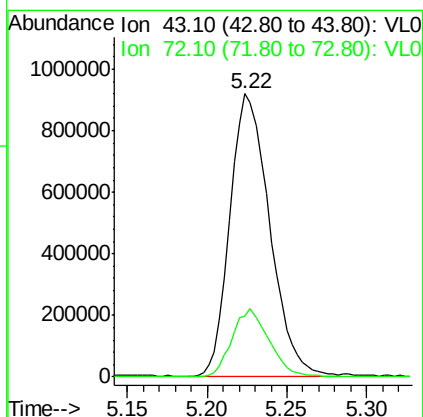
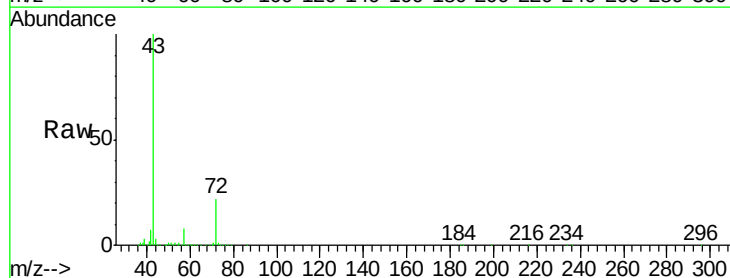
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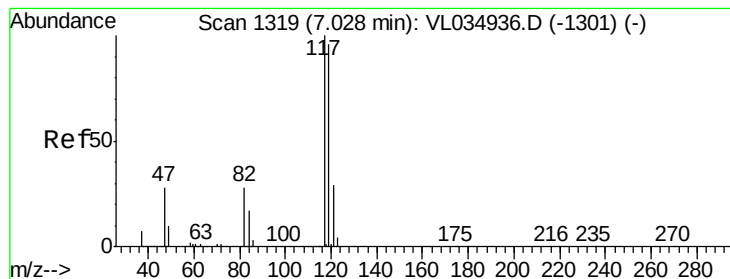
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#34
 2-Butanone
 Concen: 9.577 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.0	27.0





#35

Carbon Tetrachloride

Concen: 9.314 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1536463

Ion Ratio Lower Upper

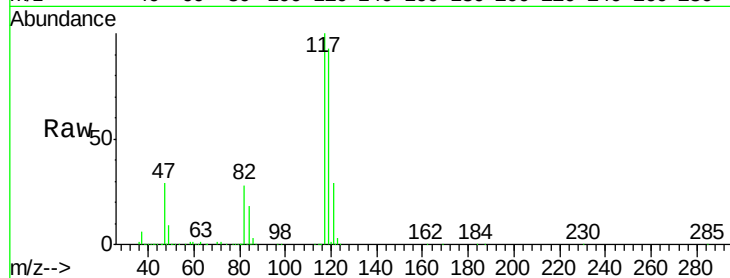
117 100

119 93.4 77.0 115.6

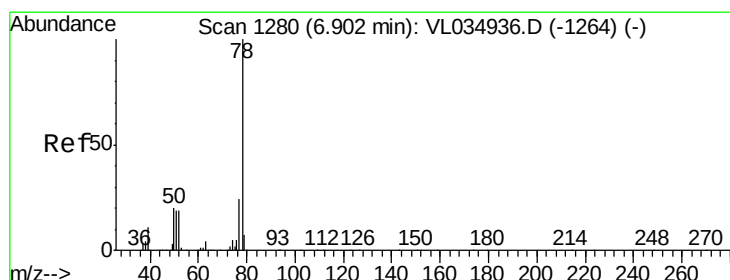
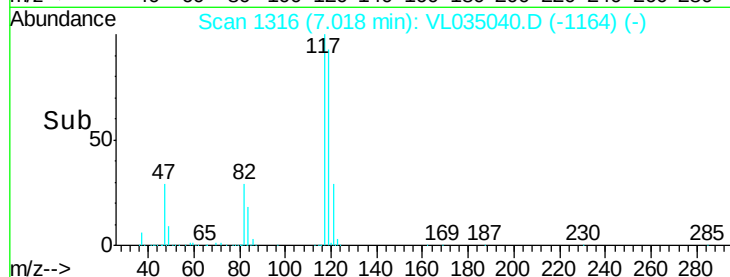
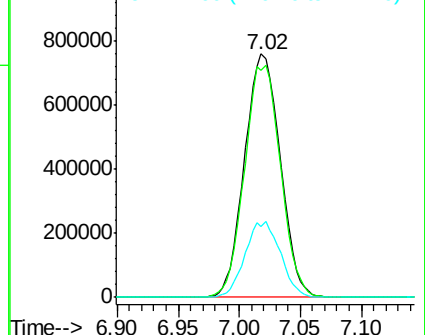
121 29.2 23.0 34.6

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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: 9.662 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

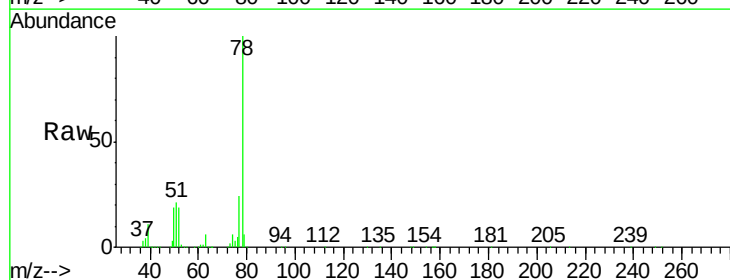
Tgt Ion: 78 Resp: 2081949

Ion Ratio Lower Upper

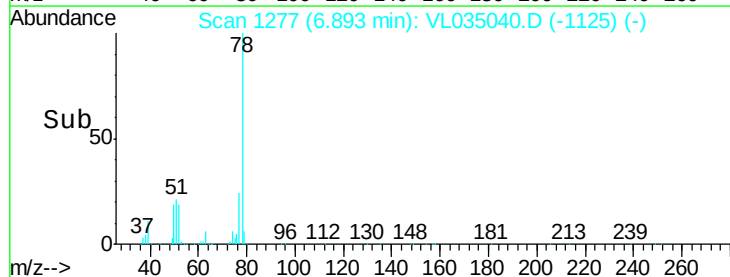
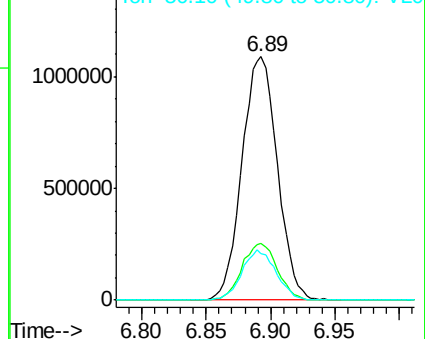
78 100

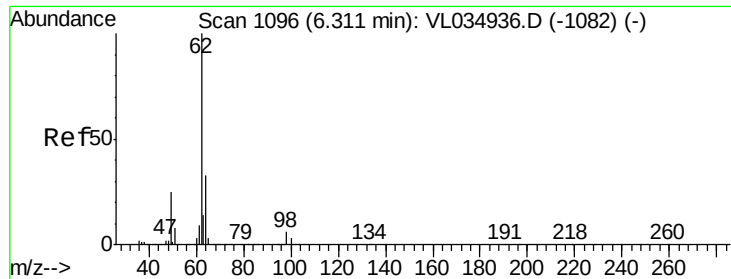
77 23.5 19.0 28.6

50 19.2 15.8 23.8



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: 9.385 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1247508

Ion Ratio Lower Upper

62 100

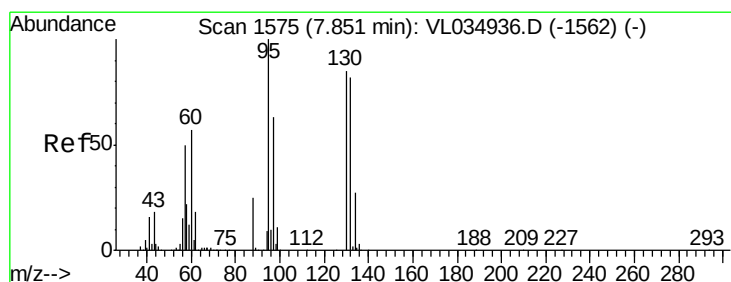
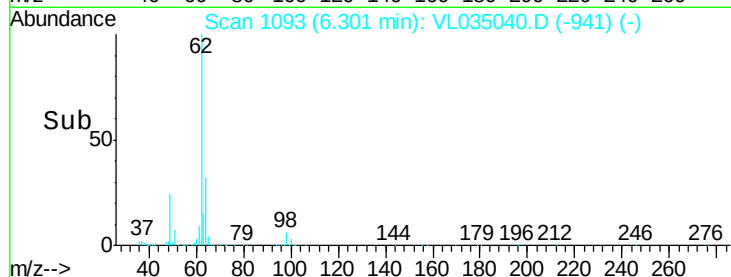
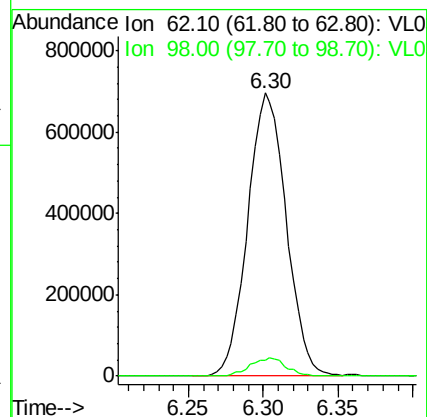
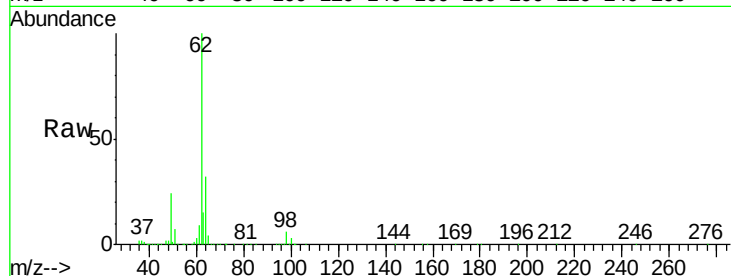
98 6.1 4.8 7.2

Manual Integrations

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#38

Trichloroethene

Concen: 9.493 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Tgt Ion: 130 Resp: 792461

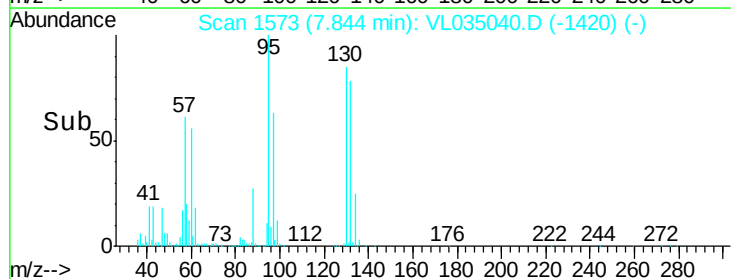
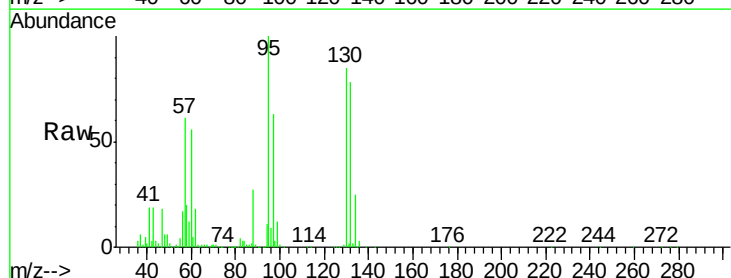
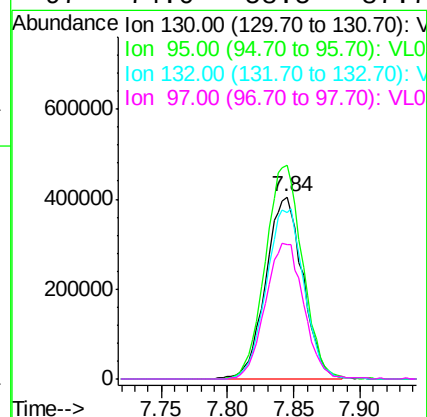
Ion Ratio Lower Upper

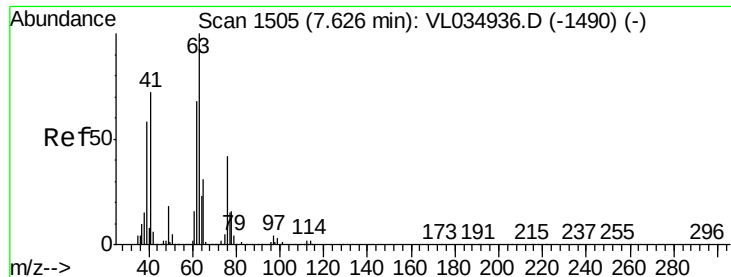
130 100

95 117.4 93.4 140.0

132 91.8 76.4 114.6

97 74.0 58.5 87.7





#39

1,2-Dichloropropane

Concen: 9.641 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

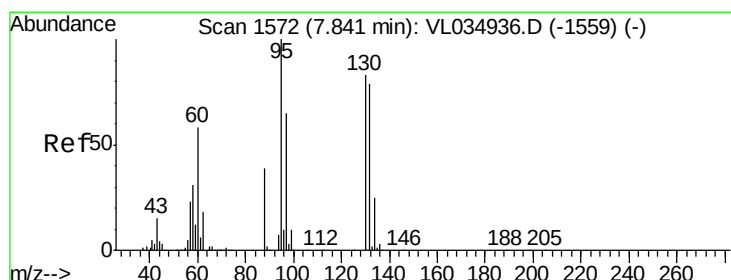
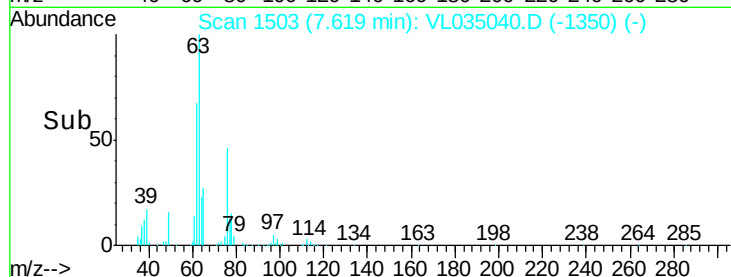
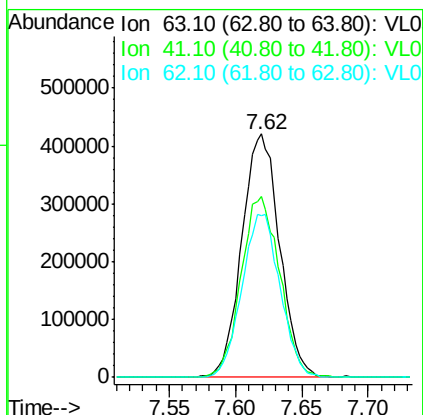
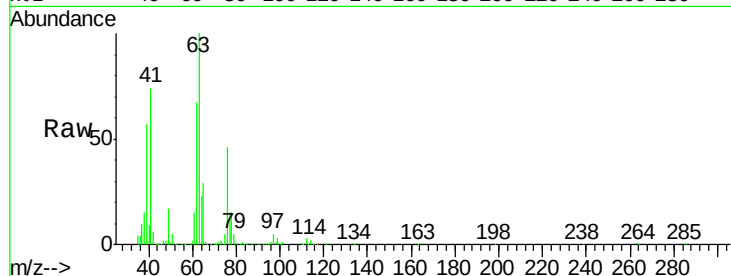
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	832832
Ion Ratio	Lower	Upper	
63	100		
41	74.0	57.8	86.8
62	66.4	54.2	81.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.055 ppbv

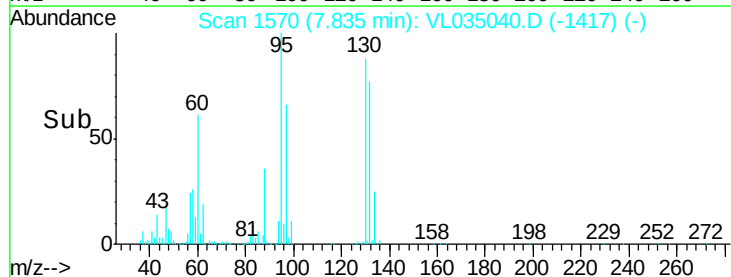
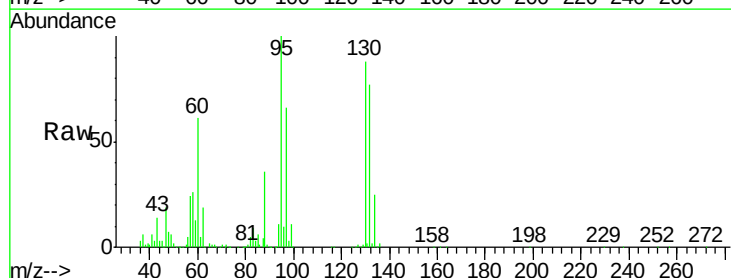
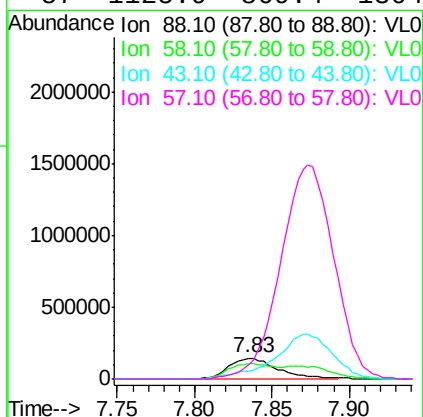
RT: 7.83 min Scan# 1570

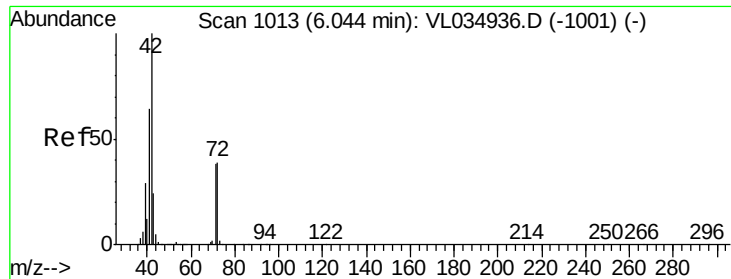
Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Tgt Ion:	88	Resp:	317932
Ion Ratio	Lower	Upper	
88	100		
58	129.4	105.1	157.7
43	256.4	202.6	303.8
57	1125.9	869.4	1304.0





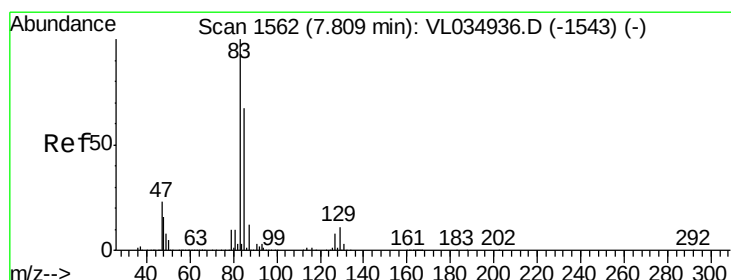
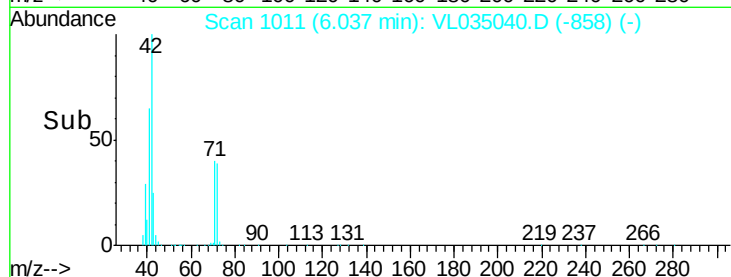
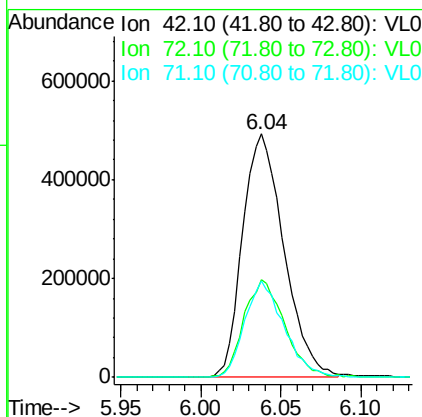
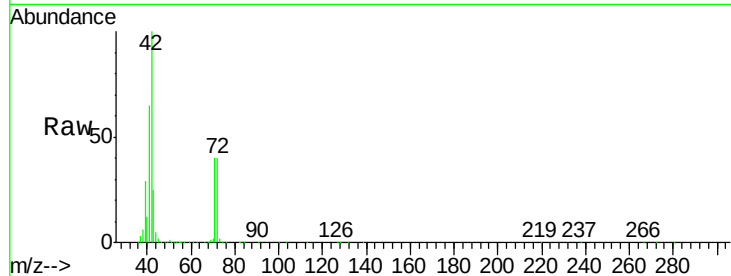
#41
Tetrahydrofuran
Concen: 10.152 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.4	47.0
71	37.9	29.8	44.8

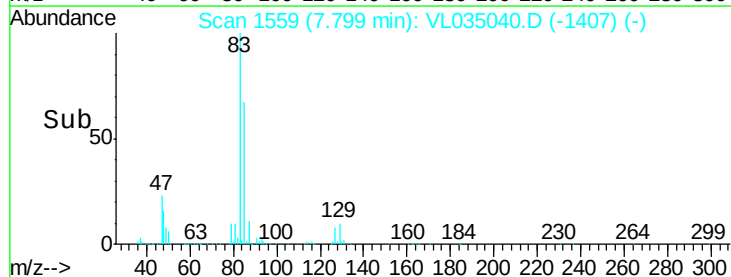
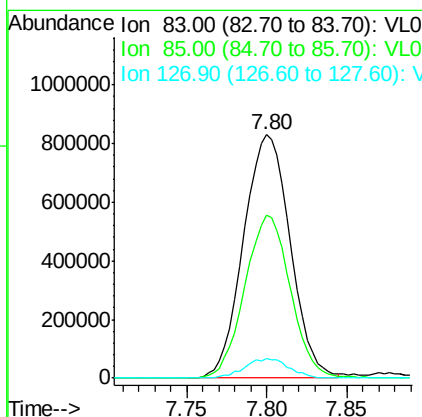
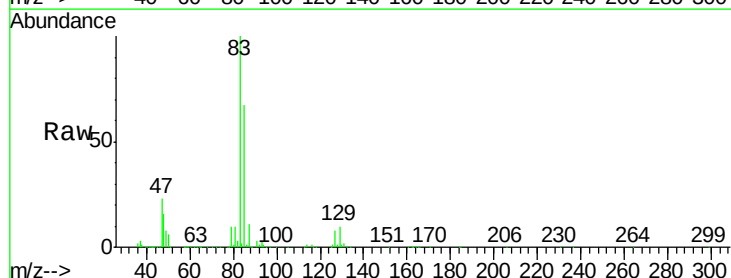
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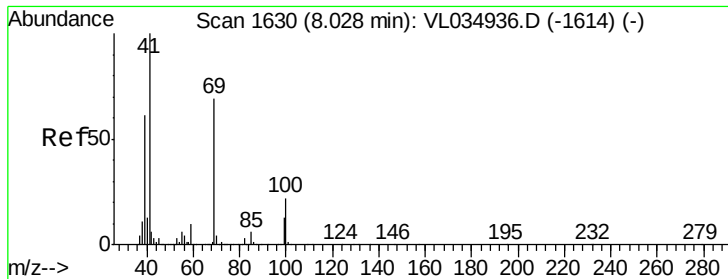
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5/18/2020 1:35:35 PM



#42
Bromodichloromethane
Concen: 9.259 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	53.4	80.0
127	8.0	6.1	9.1





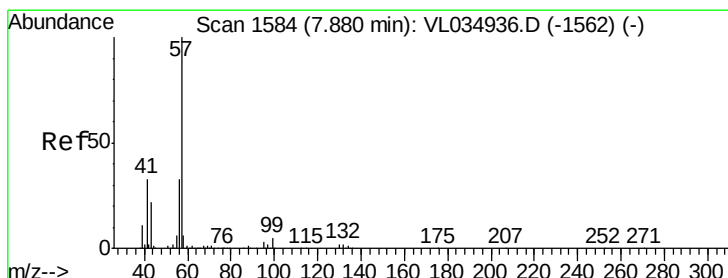
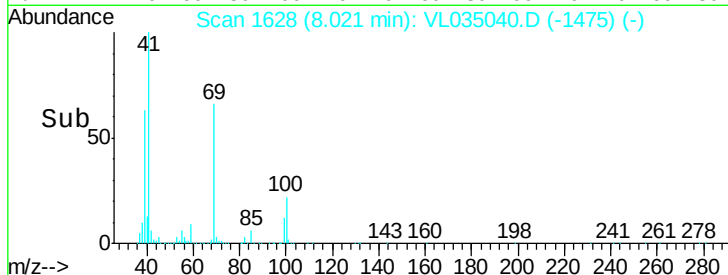
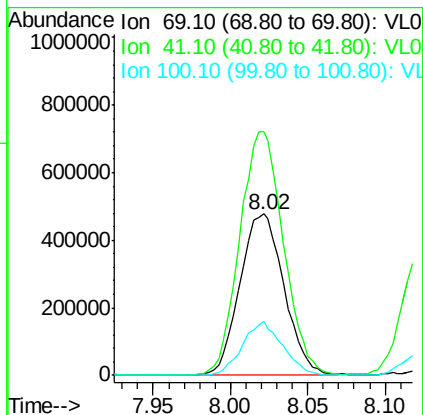
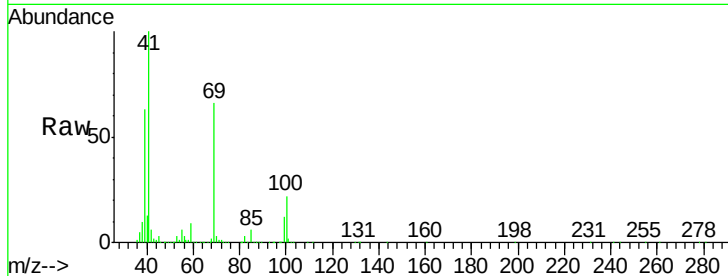
#43
Methyl Methacrylate
Concen: 10.388 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	150.2	119.8	179.6	
100	31.0	25.0	37.6	

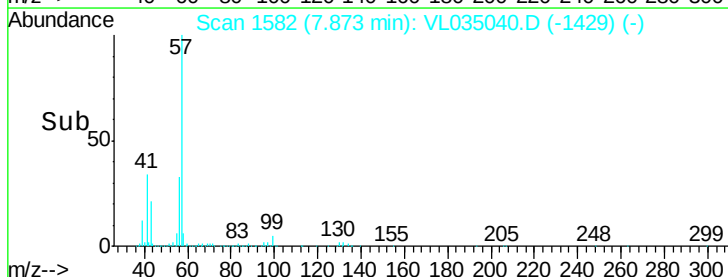
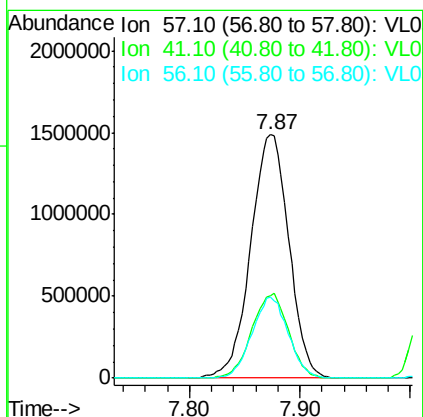
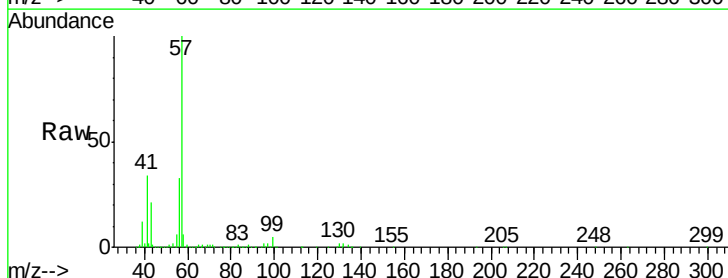
Manual Integrations
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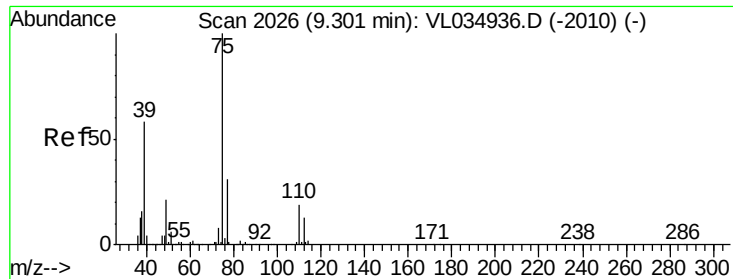
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.316 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.4	26.4	39.6	
56	31.6	25.5	38.3	





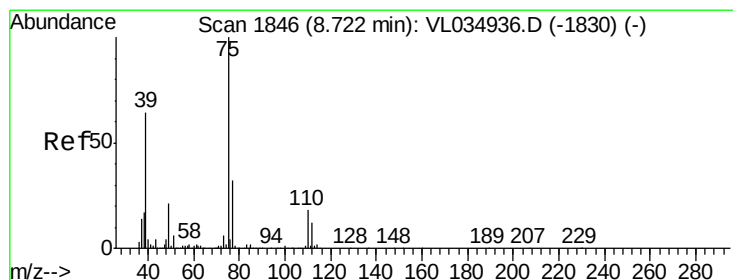
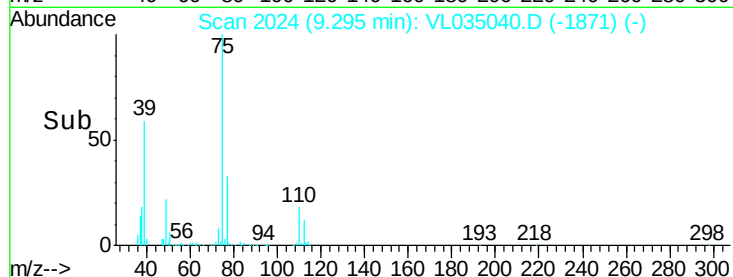
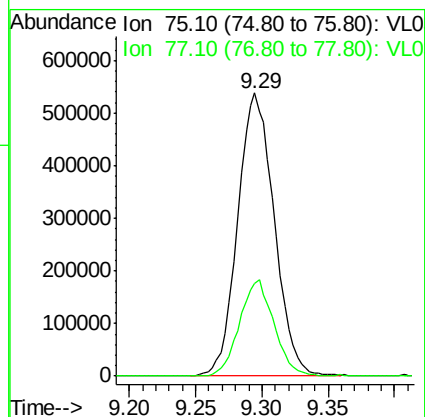
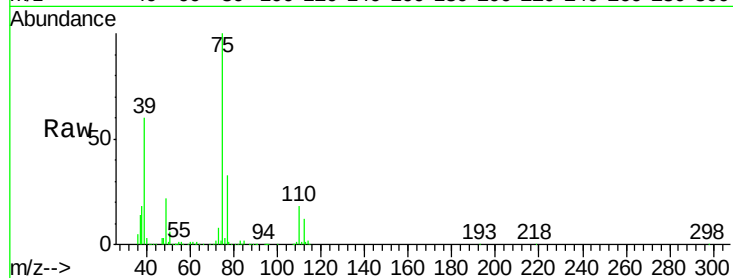
#45
t-1,3-Dichloropropene
Concen: 11.219 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1030156
Ion Ratio Lower Upper
75 100
77 32.6 24.9 37.3

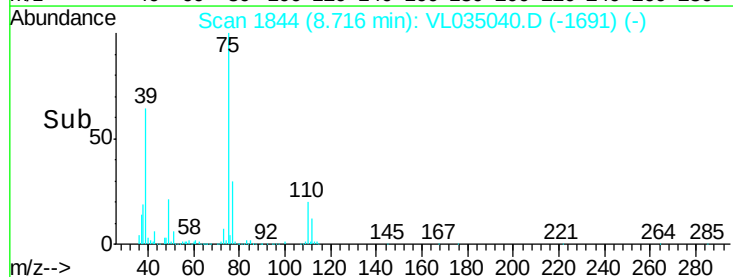
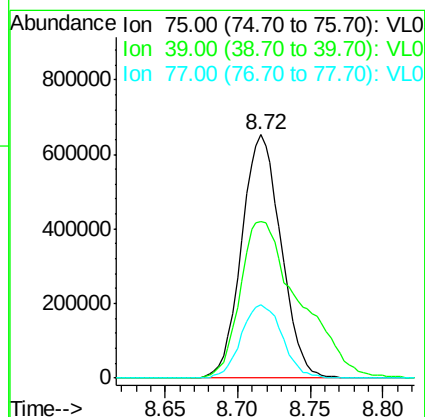
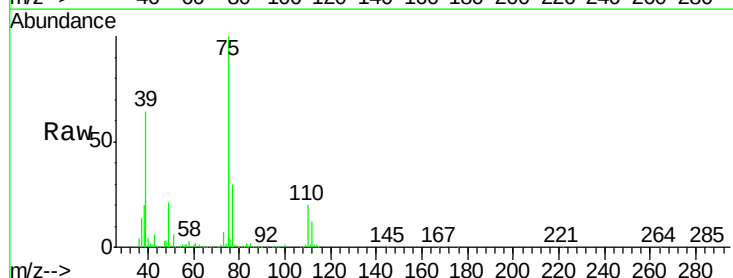
Manual Integrations
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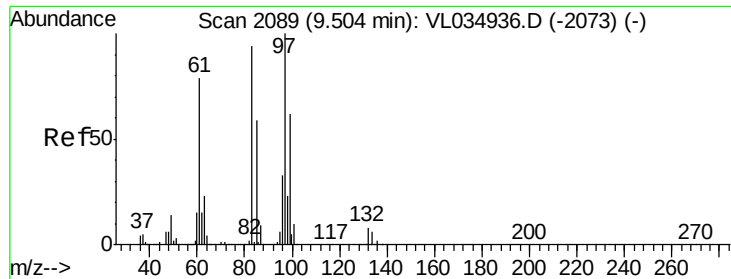
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 10.924 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion: 75 Resp: 1231528
Ion Ratio Lower Upper
75 100
39 64.1 51.5 77.3
77 30.0 25.5 38.3





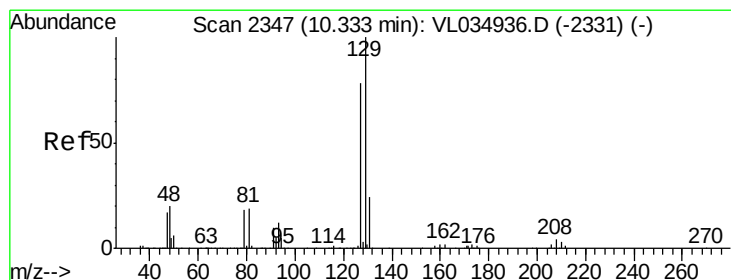
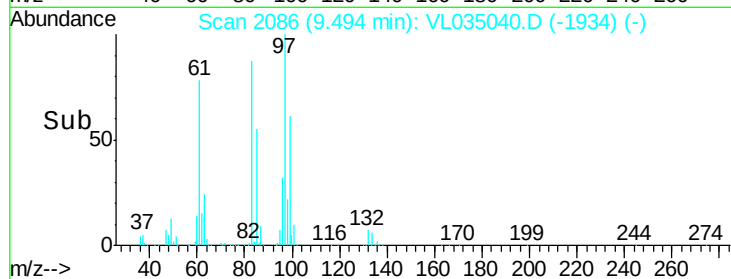
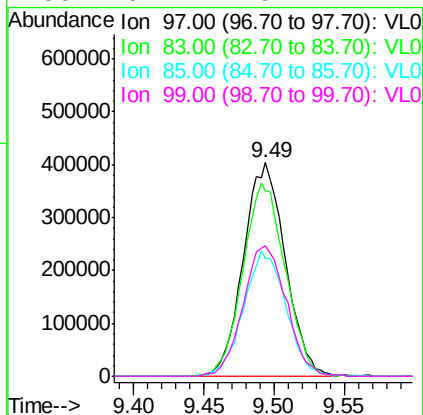
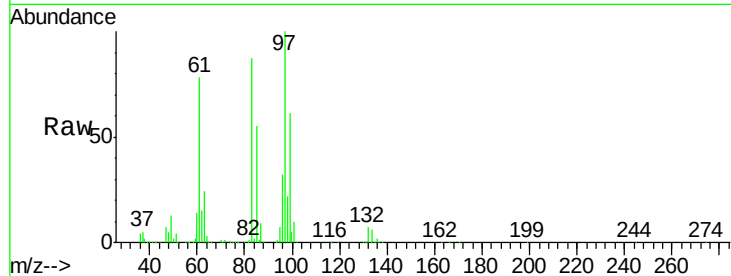
#47
 1,1,2-Trichloroethane
 Concen: 9.198 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.0	75.6	113.4	
85	55.0	47.0	70.6	
99	61.2	49.4	74.2	

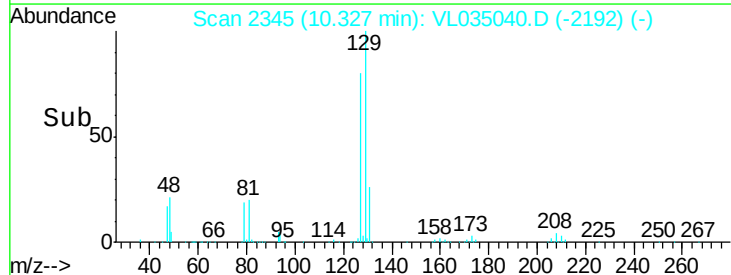
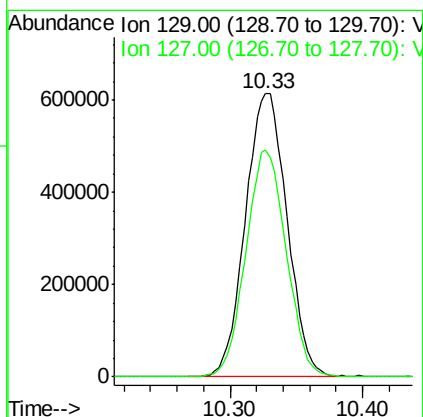
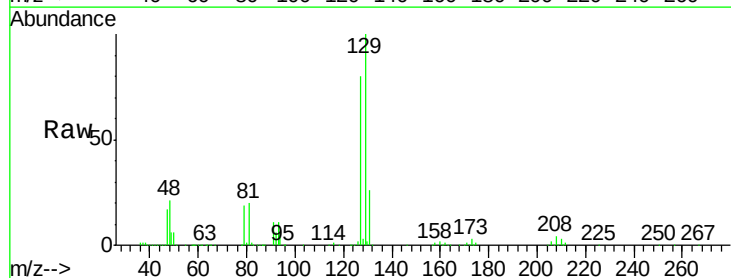
Manual Integrations
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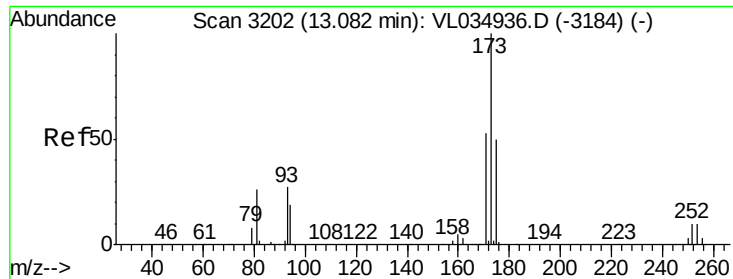
MMDadoda
 5/18/2020 1:35:35 PM



#48
 Dibromochloromethane
 Concen: 9.540 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.9	39.1	117.2	





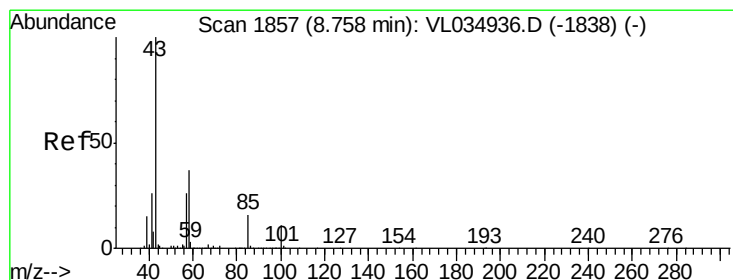
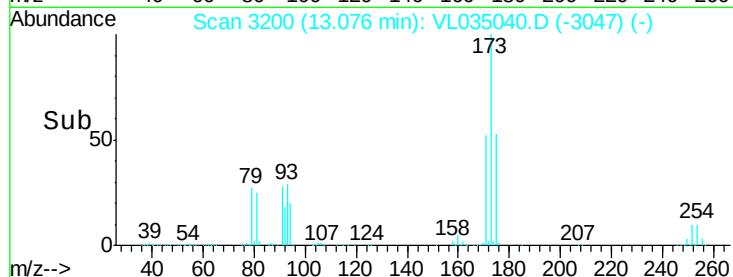
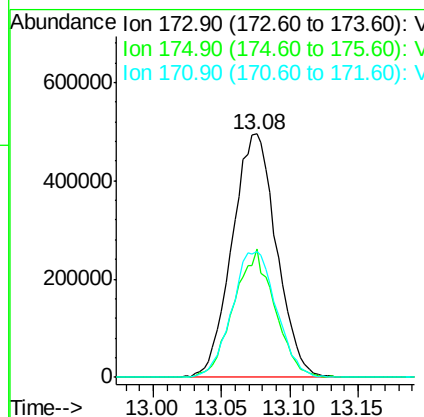
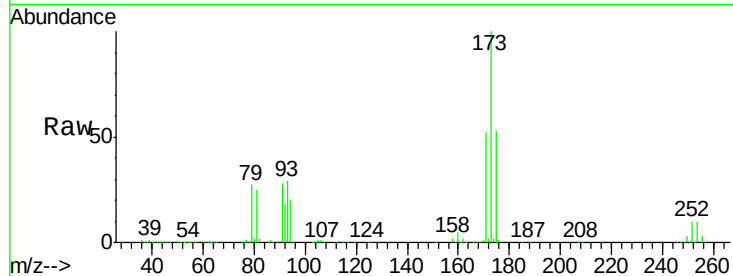
#49
Bromoform
Concen: 9.202 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1109983
Ion Ratio Lower Upper
173 100
175 49.2 39.0 58.6
171 52.3 41.4 62.2

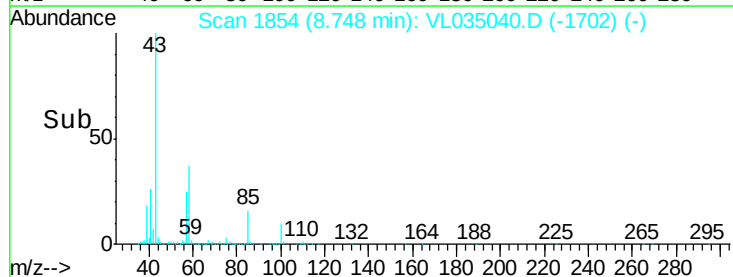
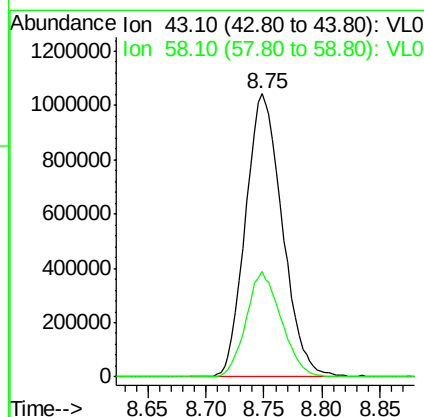
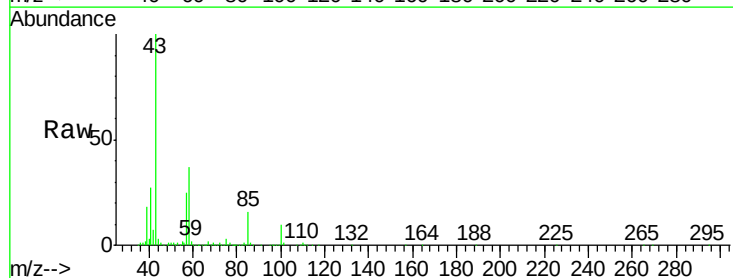
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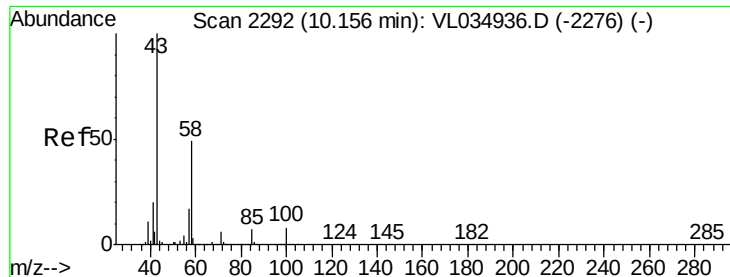
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.940 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion: 43 Resp: 2302374
Ion Ratio Lower Upper
43 100
58 35.9 29.1 43.7





#51

2-Hexanone

Concen: 10.405 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1885088

Ion Ratio Lower Upper

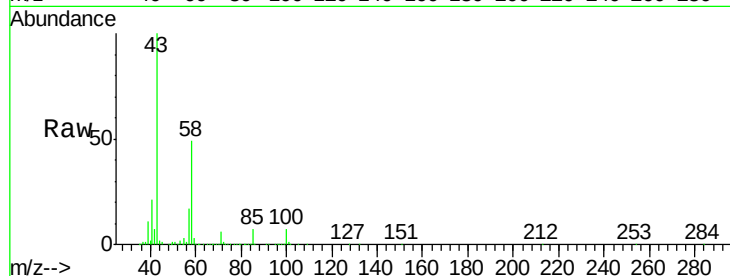
43 100

58 48.3 39.1 58.7

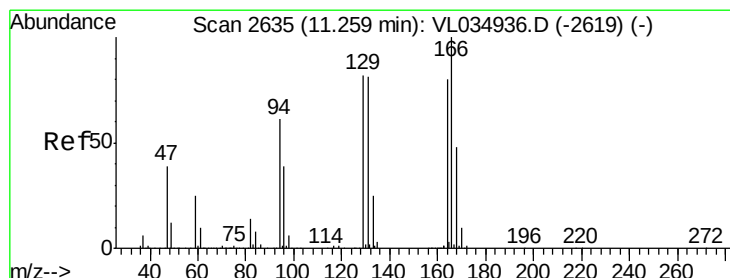
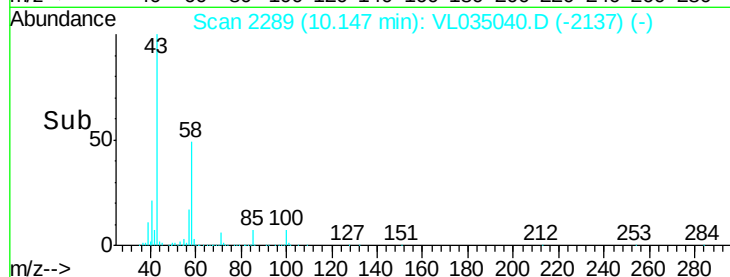
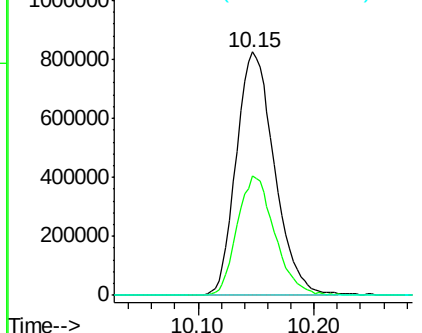
98 0.2 0.3 0.5#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.501 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Tgt Ion: 164 Resp: 727979

Ion Ratio Lower Upper

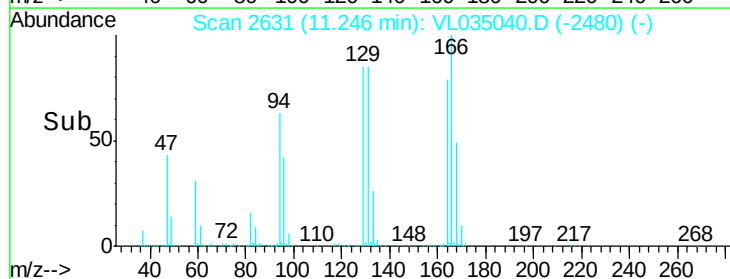
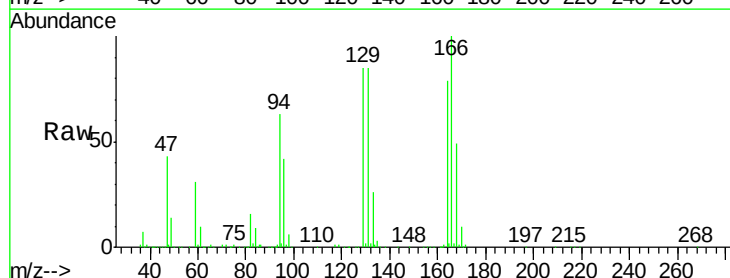
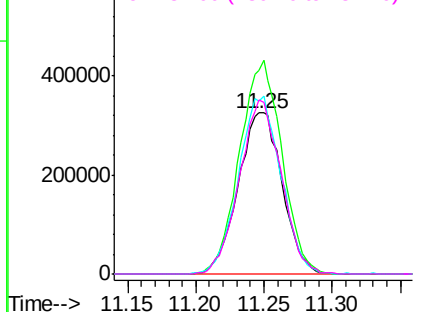
164 100

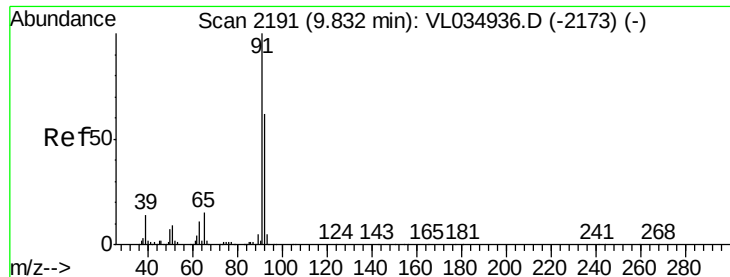
166 126.1 100.7 151.1

129 106.7 83.0 124.4

131 107.6 81.0 121.4

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.402 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2376137

Ion Ratio Lower Upper

91 100

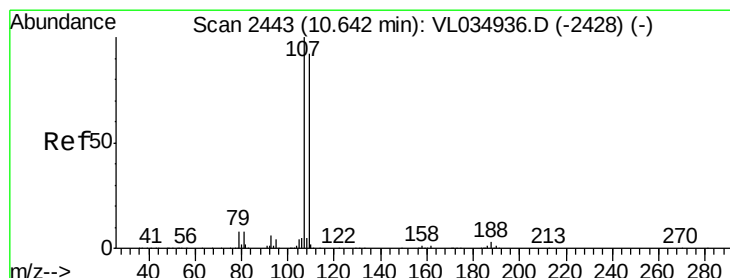
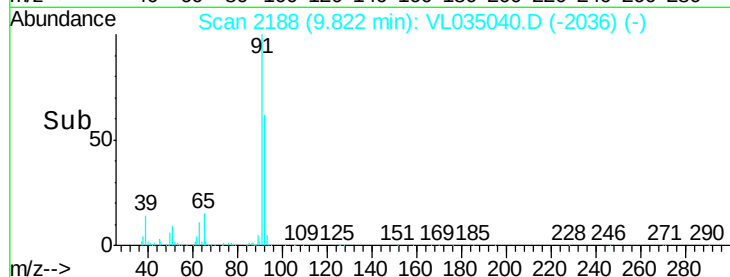
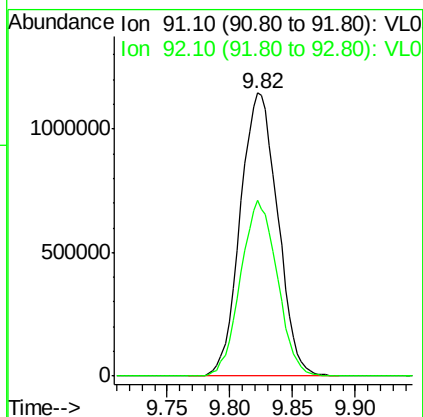
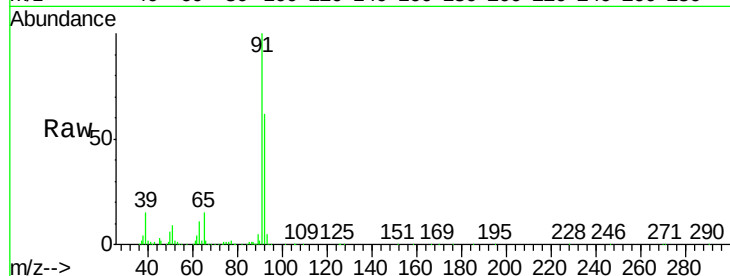
92 60.8 48.6 73.0

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.591 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL035040.D

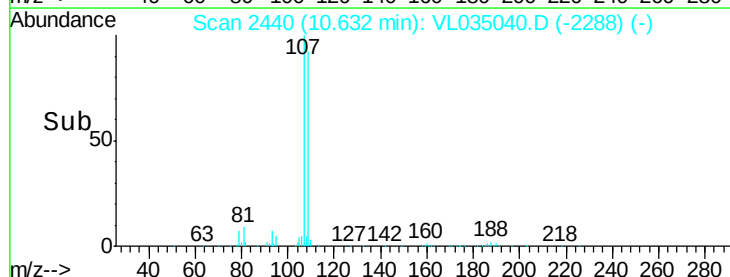
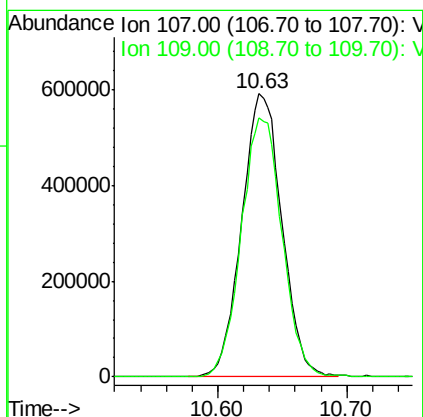
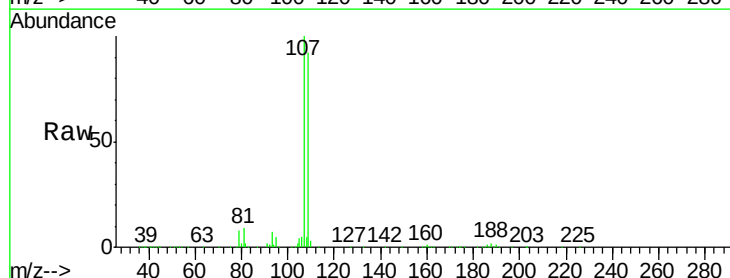
Acq: 15 May 2020 10:44

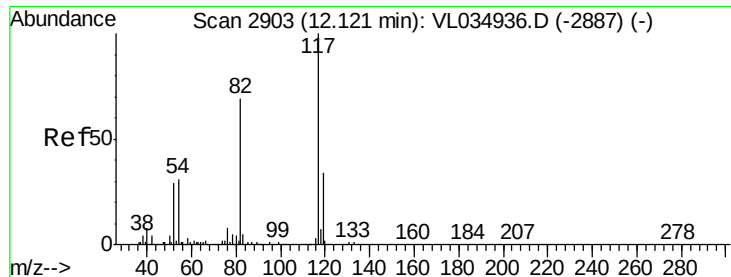
Tgt Ion: 107 Resp: 1283817

Ion Ratio Lower Upper

107 100

109 91.6 73.2 109.8





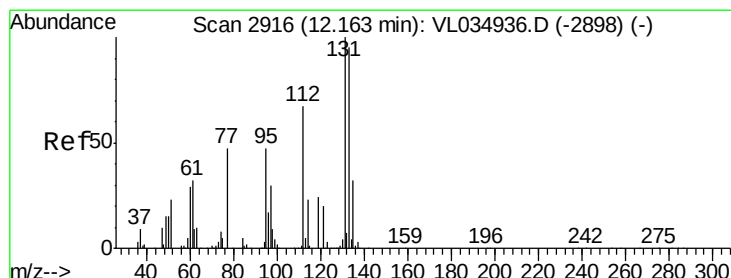
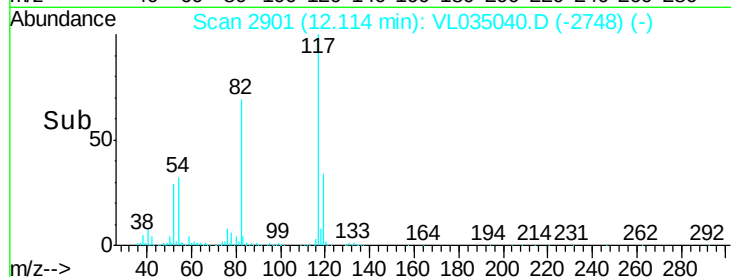
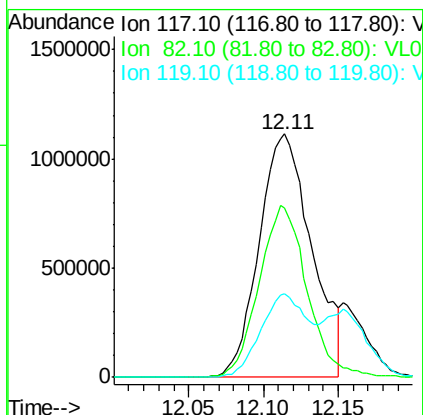
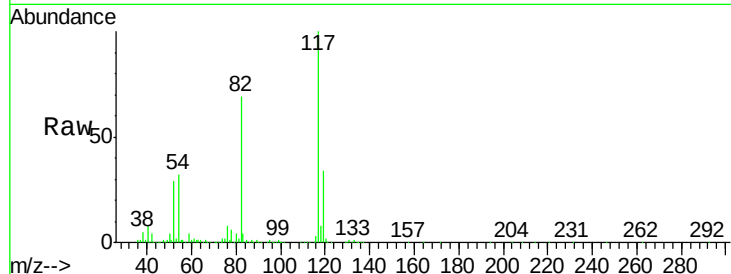
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2718490
Ion Ratio Lower Upper
117 100
82 64.6 53.1 79.7
119 31.6 26.7 40.1

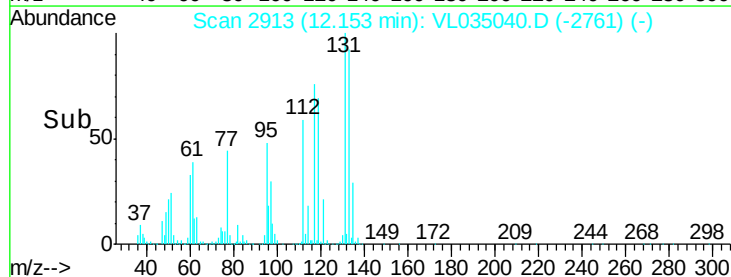
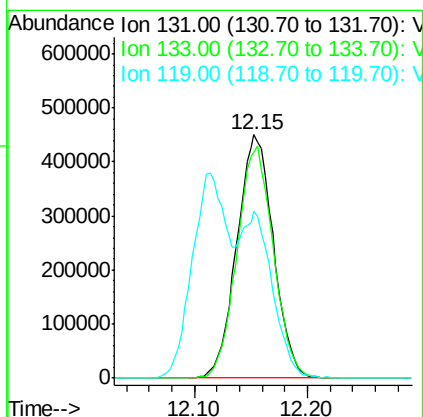
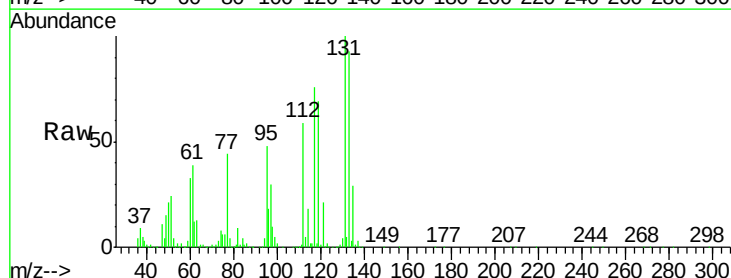
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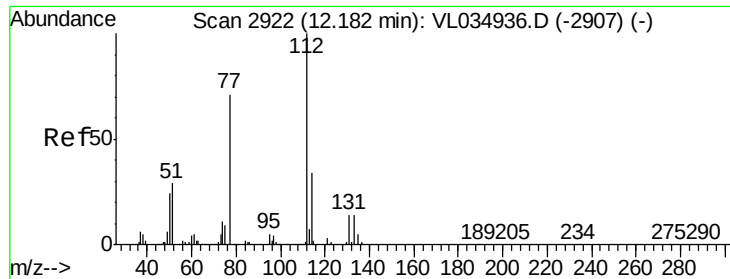
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.252 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion:131 Resp: 1011676
Ion Ratio Lower Upper
131 100
133 94.8 77.7 116.5
119 143.7 49.8 74.6#





#57

Chlorobenzene

Concen: 8.138 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDC010EC

Tot Ion: 112 Resp: 1752569

Ion Ratio Lower Upper

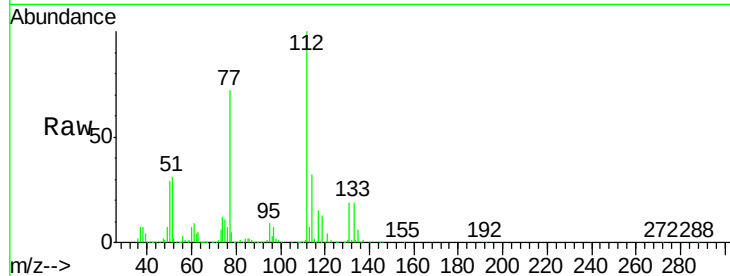
112 100

77 72.1 57.0 85.6

114 32.2 30.8 37.6

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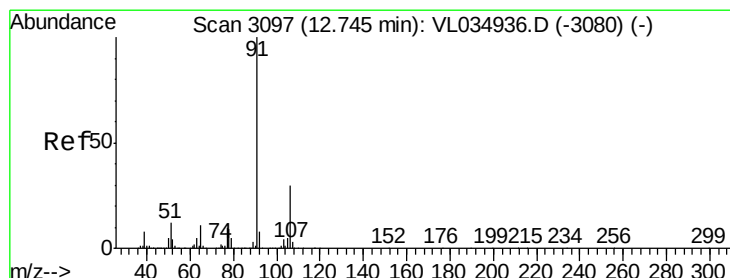
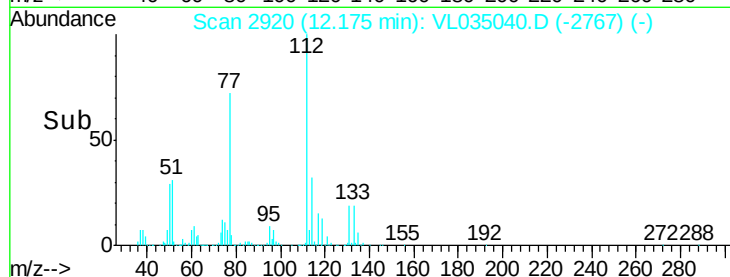
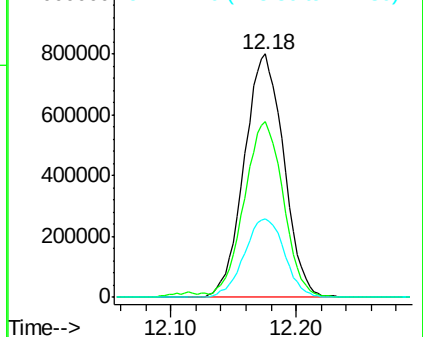
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.394 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. -0.01 min

Lab File: VL035040.D

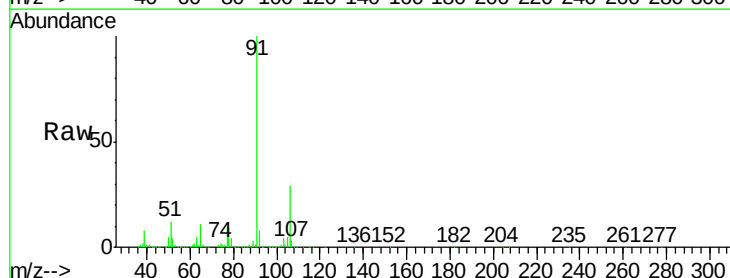
Acq: 15 May 2020 10:44

Tgt Ion: 91 Resp: 3157774

Ion Ratio Lower Upper

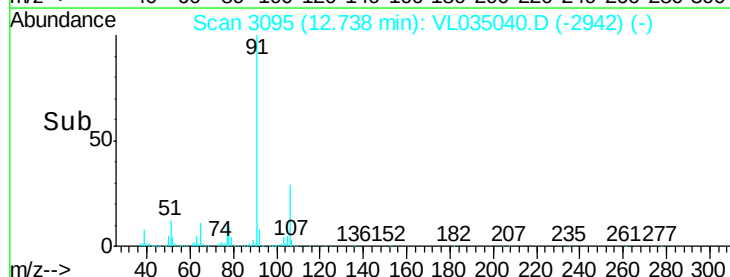
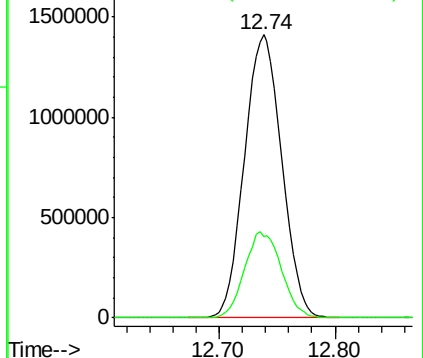
91 100

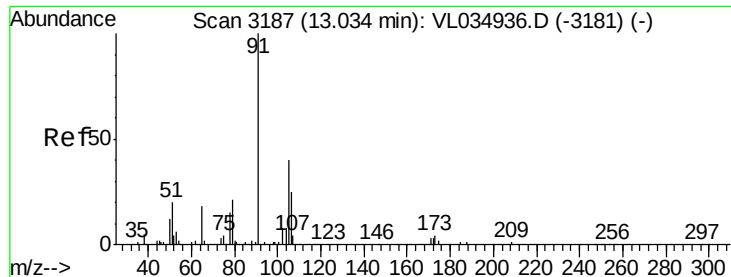
106 28.8 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





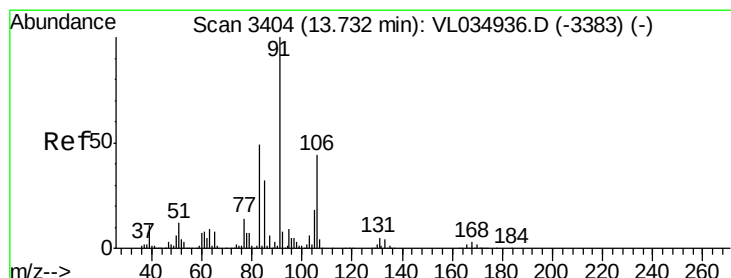
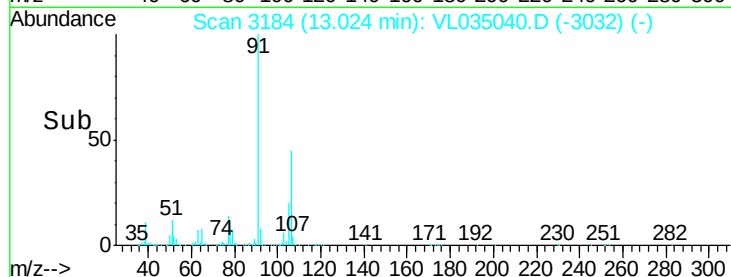
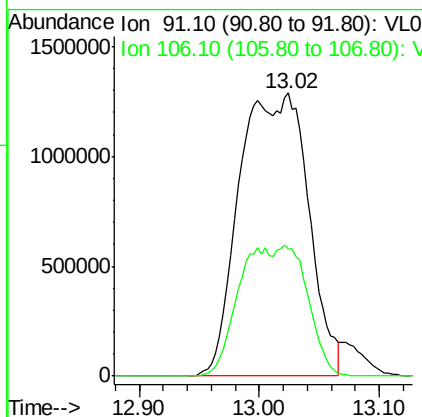
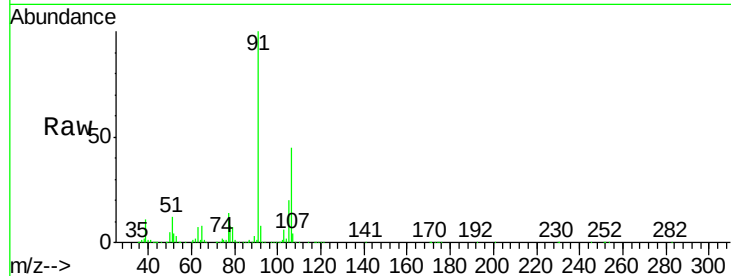
#59
m/p-Xylene
Concen: 17.446 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5159930
Ion Ratio Lower Upper
91 100
106 45.5 66.0 99.0#

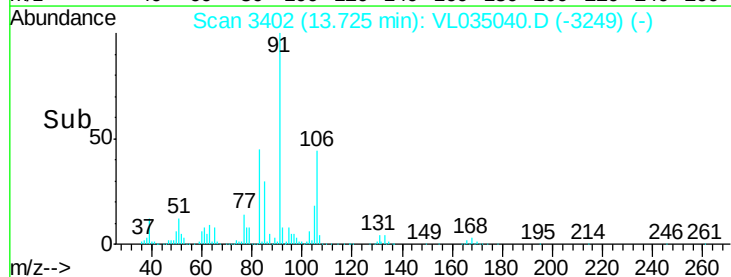
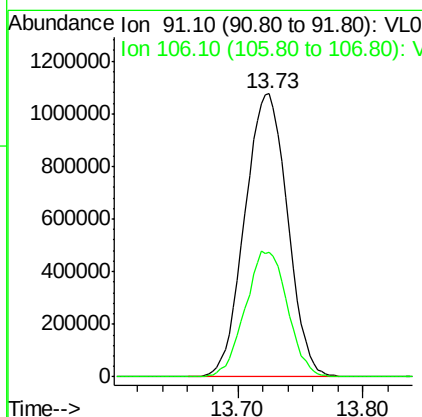
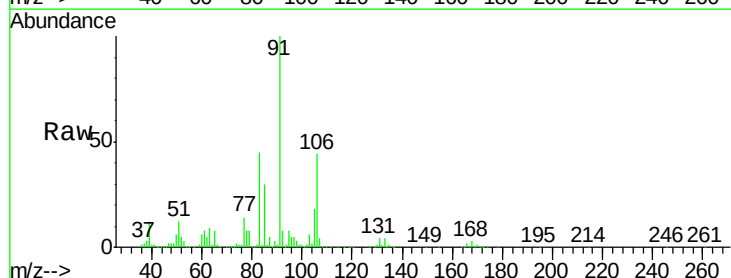
Manual Integrations
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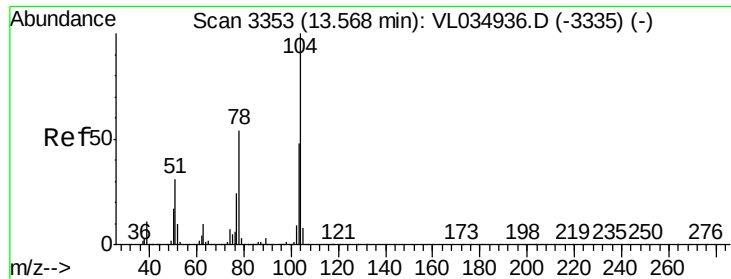
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#60
o-Xylene
Concen: 8.736 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion: 91 Resp: 2549778
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.5





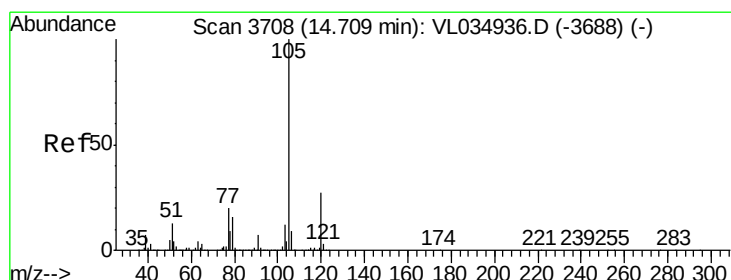
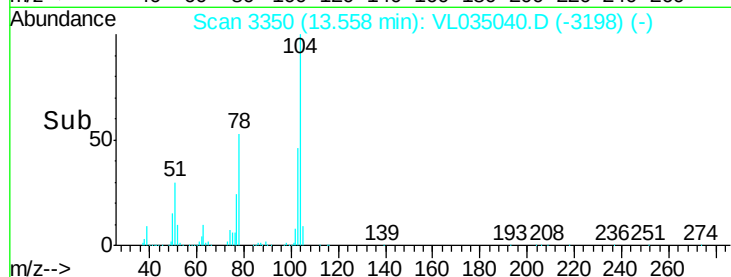
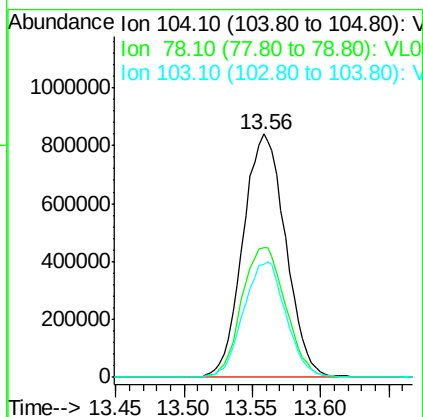
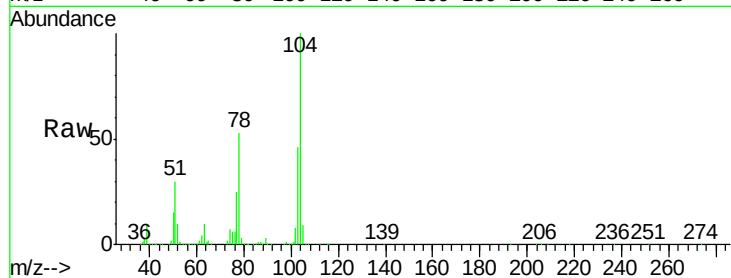
#61
Stvrene
Concen: 9.885 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.9	43.7	65.5
103	47.0	38.8	58.2

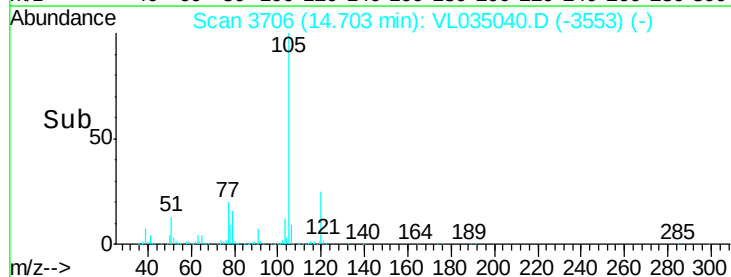
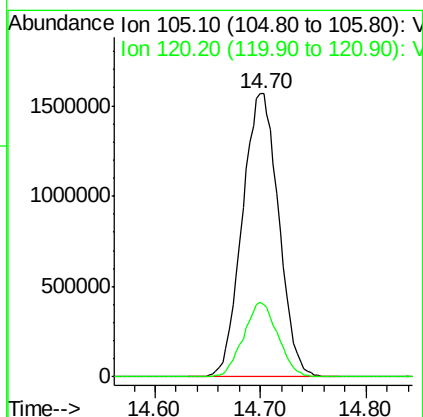
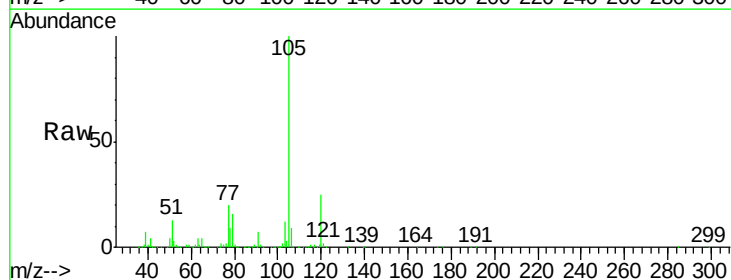
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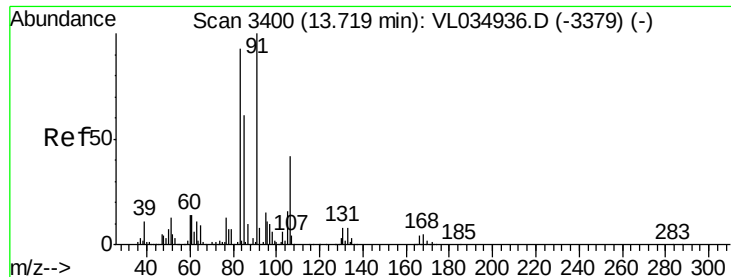
MMDadoda
5/18/2020 1:35:35 PM



#62
Isopropylbenzene
Concen: 8.620 ppbv
RT: 14.70 min Scan# 3706
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 7.620 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1750638

Ion Ratio Lower Upper

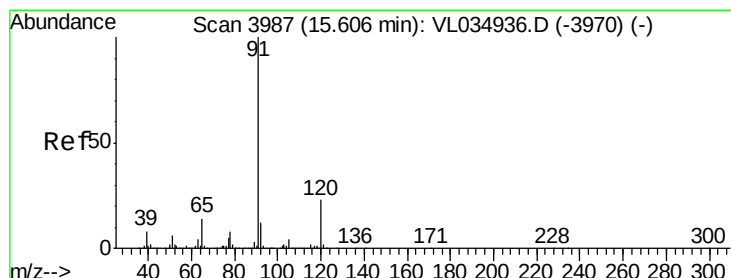
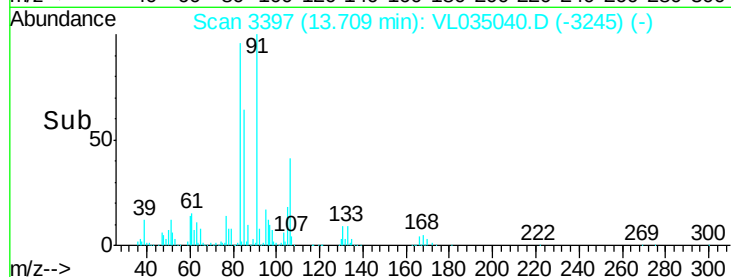
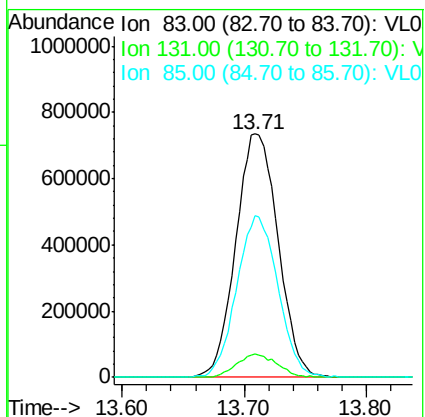
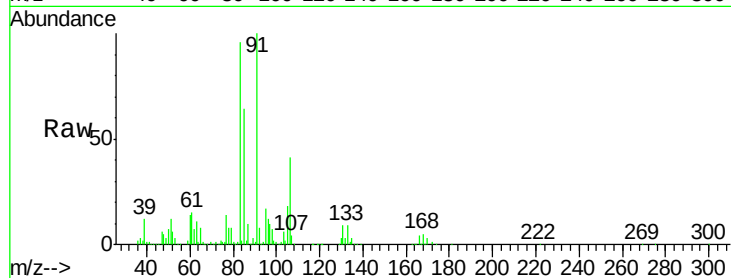
83 100

131 9.2 4.7 14.0

85 65.2 32.5 97.4

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MMDadoda
5/18/2020 1:35:35 PM



#64

n-propylbenzene

Concen: 8.718 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. -0.01 min

Lab File: VL035040.D

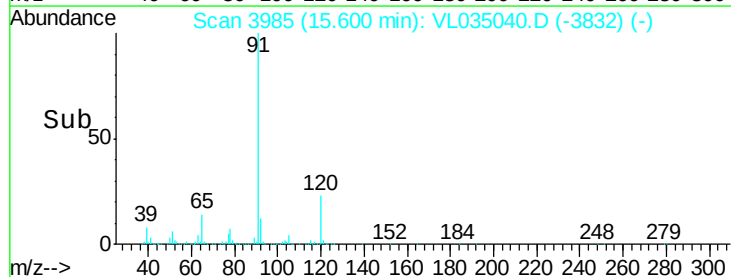
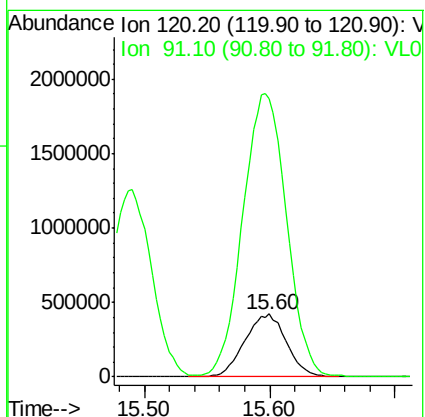
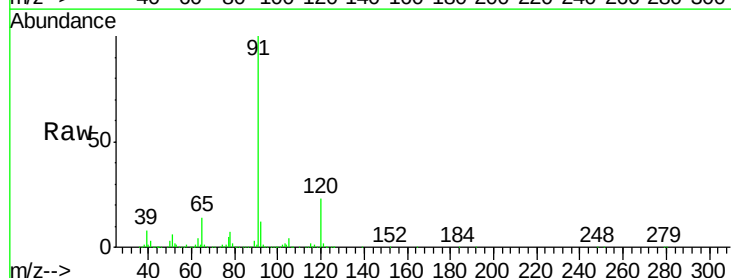
Acq: 15 May 2020 10:44

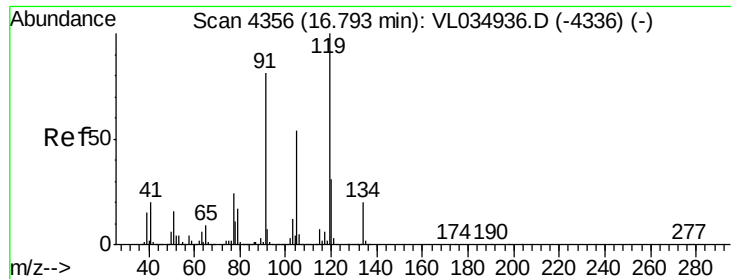
Tgt Ion: 120 Resp: 974405

Ion Ratio Lower Upper

120 100

91 472.7 373.5 560.3





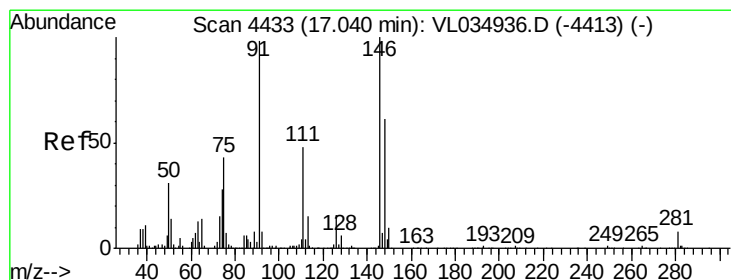
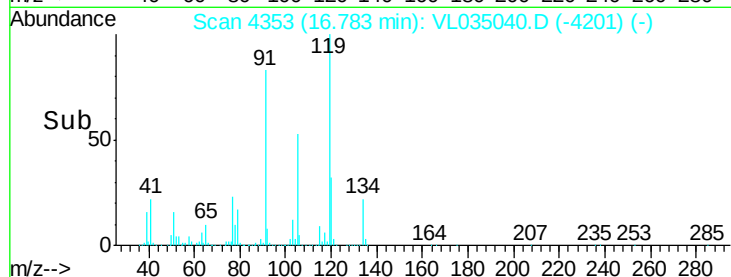
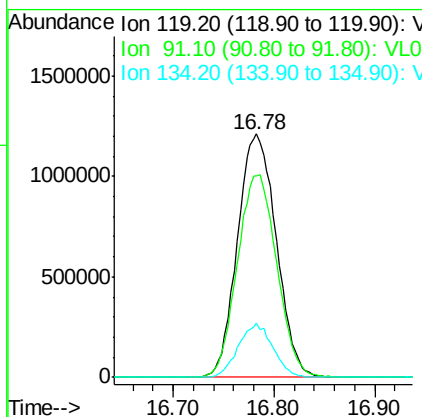
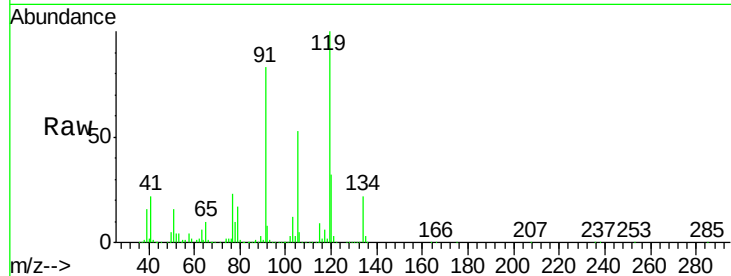
#65
 tert-Butylbenzene
 Concen: 8.553 ppbv
 RT: 16.78 min Scan# 4353
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.5	67.5	101.3
134	19.7	16.1	24.1

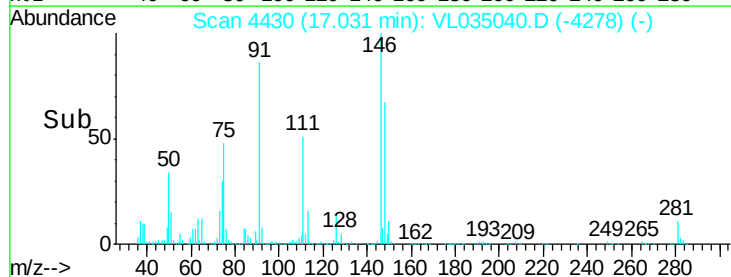
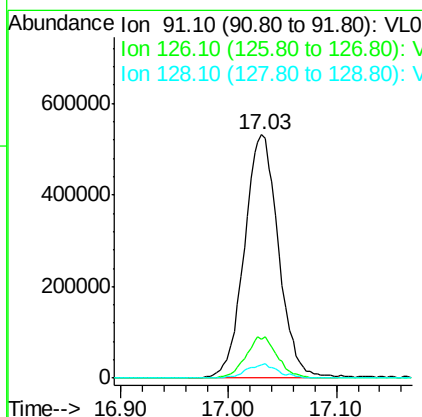
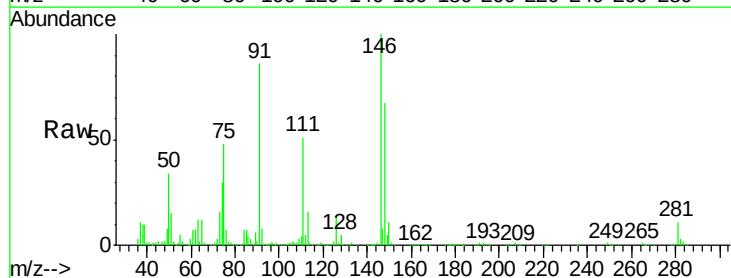
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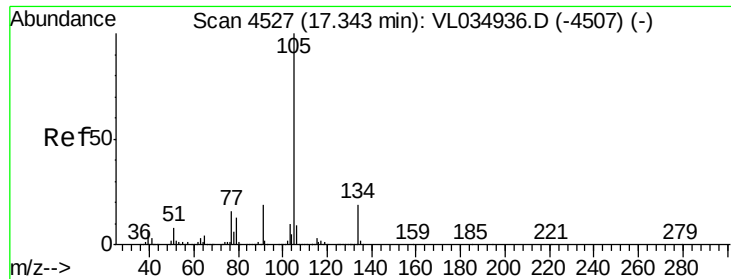
MMDadoda
 5/18/2020 1:35:35 PM



#66
 Benzyl Chloride
 Concen: 9.080 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.0	13.8	20.6
128	5.4	4.3	6.5





#67

sec-Butylbenzene

Concen: 8.672 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 4678380

Ion Ratio Lower Upper

105 100

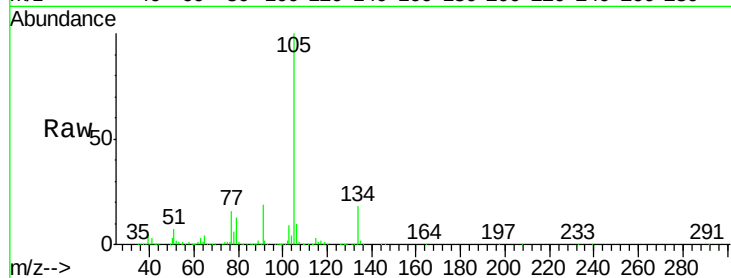
134 18.1 14.8 22.2

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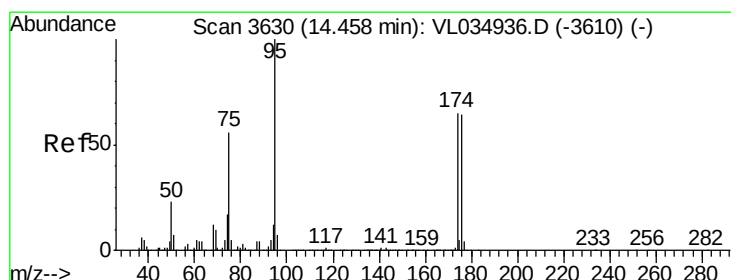
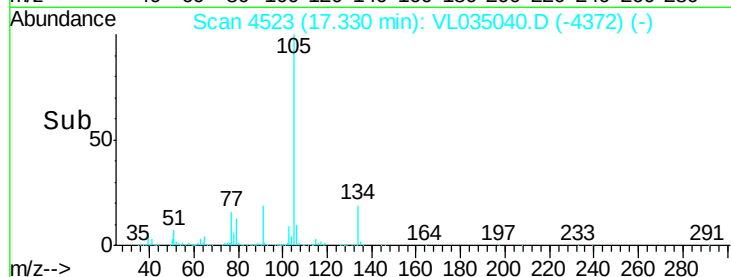
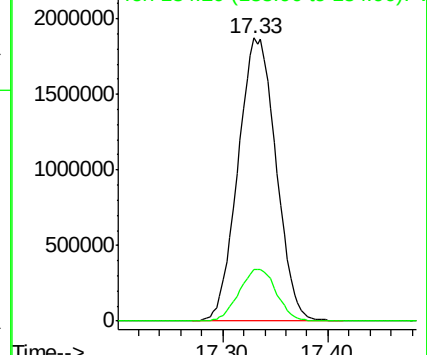
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.630 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

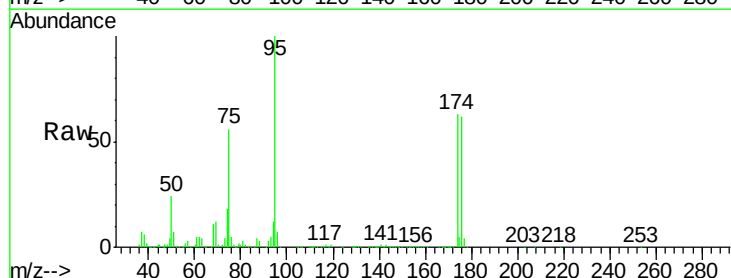
Tgt Ion: 95 Resp: 2119148

Ion Ratio Lower Upper

95 100

174 64.9 51.5 77.3

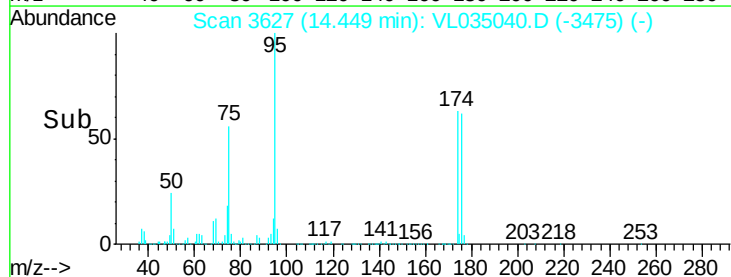
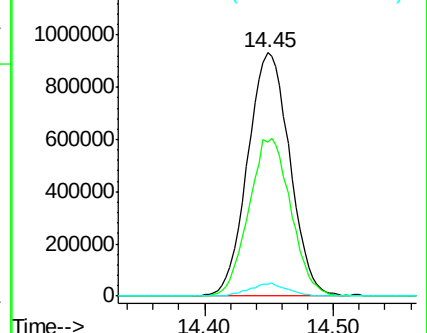
175 4.9 3.8 5.8

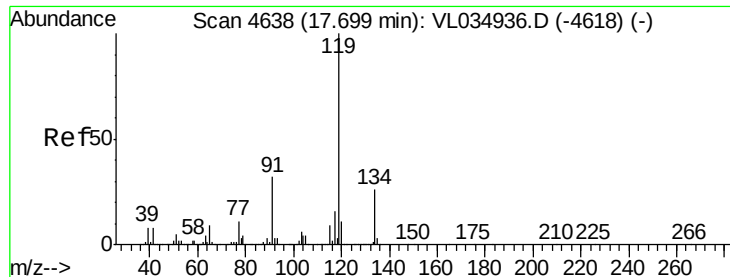


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





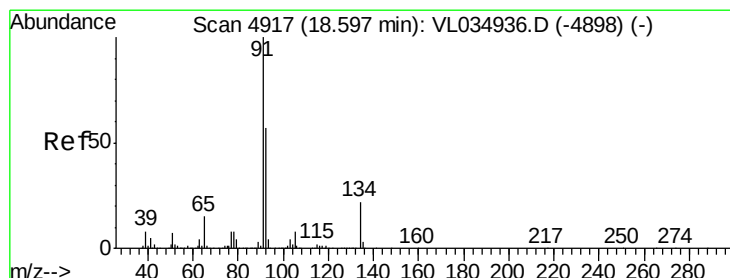
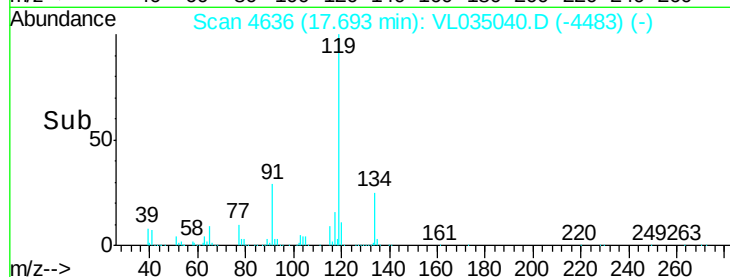
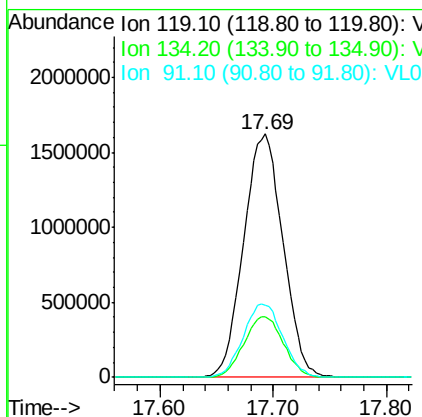
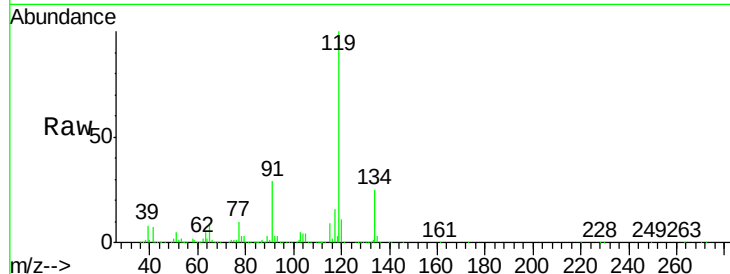
#69
 p-Isopropyltoluene
 Concen: 8.980 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.3	30.5
91	30.3	24.6	36.8

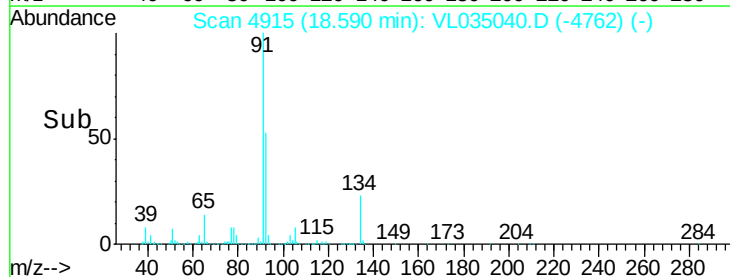
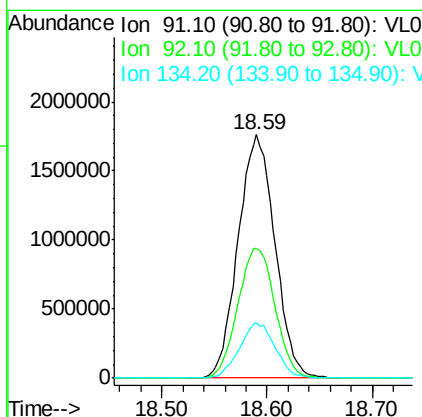
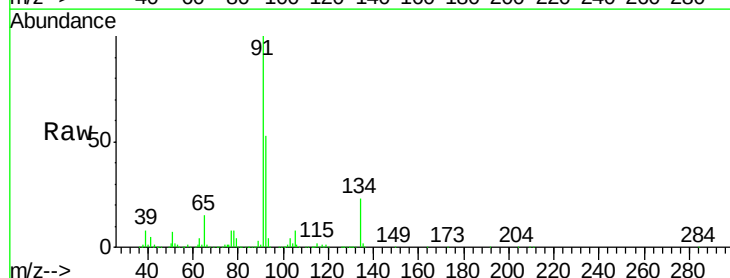
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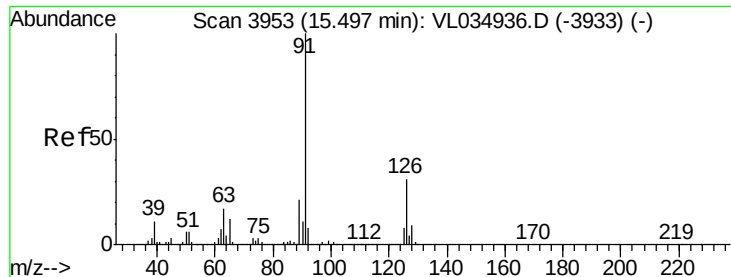
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#70
 n-Butylbenzene
 Concen: 9.176 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.4	66.6
134	22.1	18.0	27.0





#71

2-Chlorotoluene

Concen: 8.860 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2914388

Ion Ratio Lower Upper

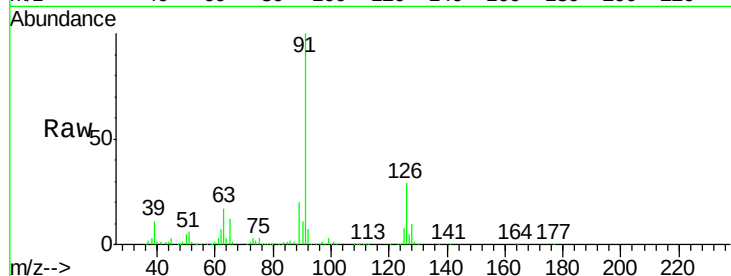
91 100

126 29.6 12.0 47.8

Manual Integrations
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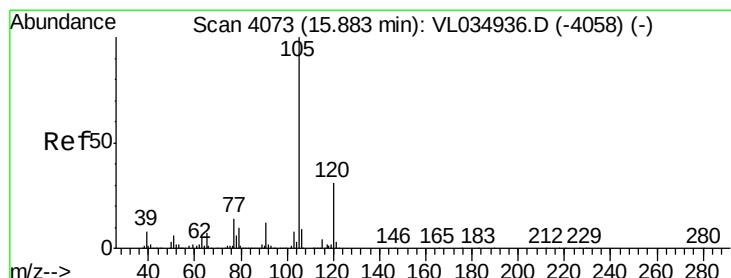
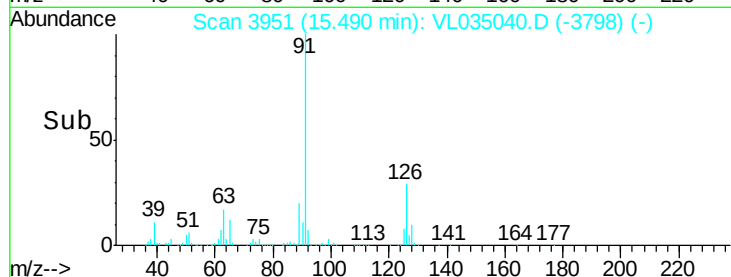
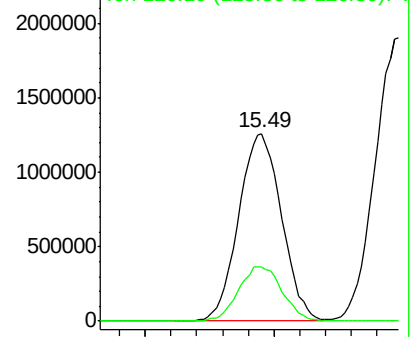
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.135 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Tgt Ion:105 Resp: 2974619

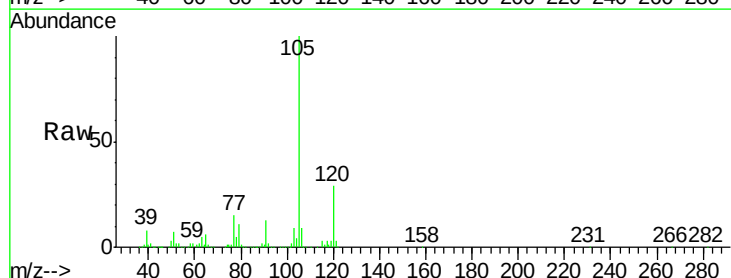
Ion Ratio Lower Upper

105 100

120 29.1 23.8 35.8

91 13.3 10.6 15.8

77 14.4 11.6 17.4

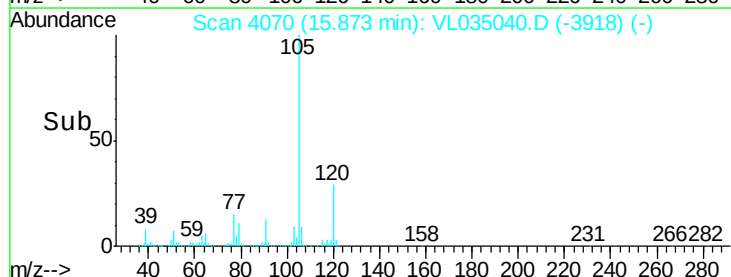
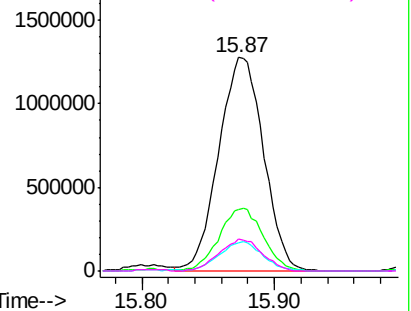


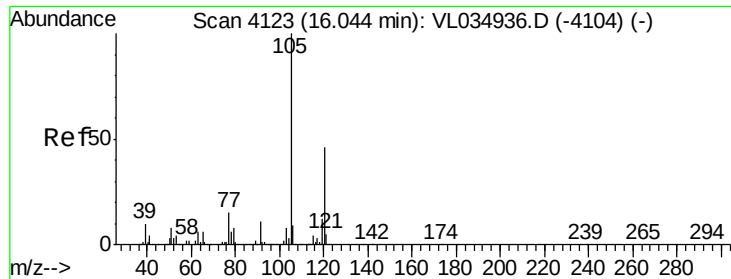
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.809 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2791274

Ion Ratio Lower Upper

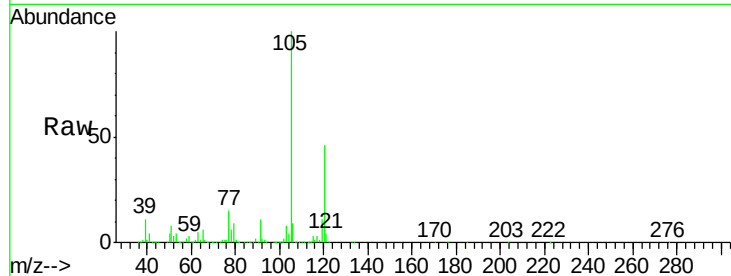
105 100

120 45.6 36.4 54.6

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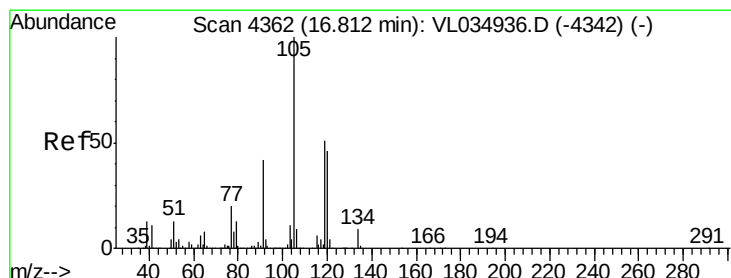
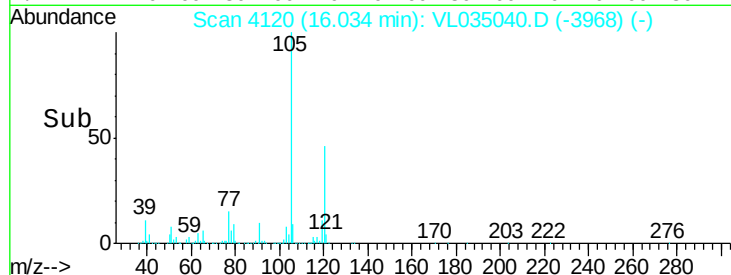
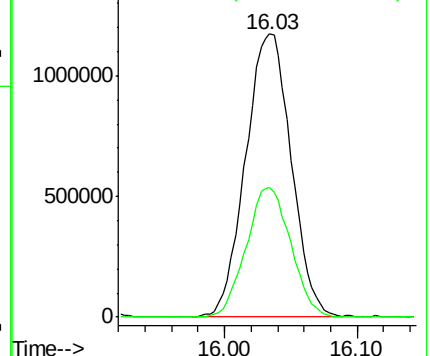
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.429 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Tgt Ion:105 Resp: 2915556

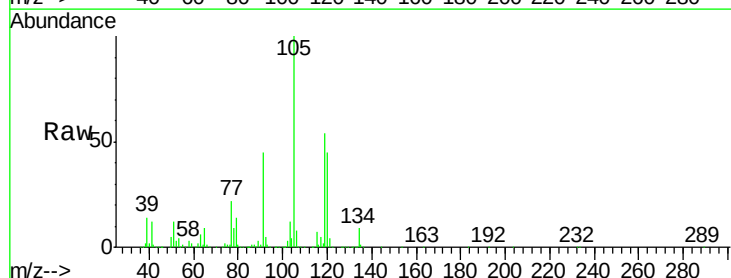
Ion Ratio Lower Upper

105 100

120 44.8 36.8 55.2

91 45.0 35.4 53.0

77 21.6 16.2 24.2

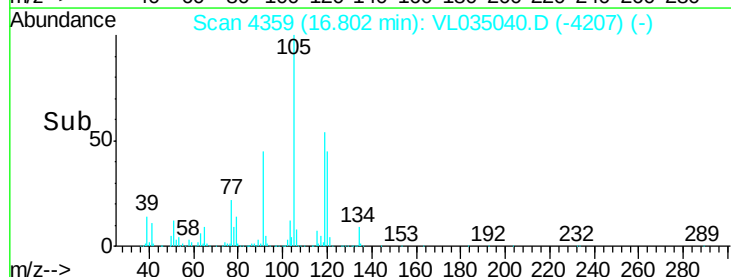
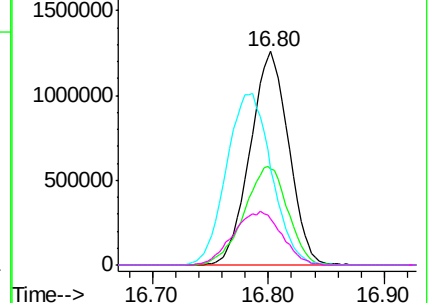


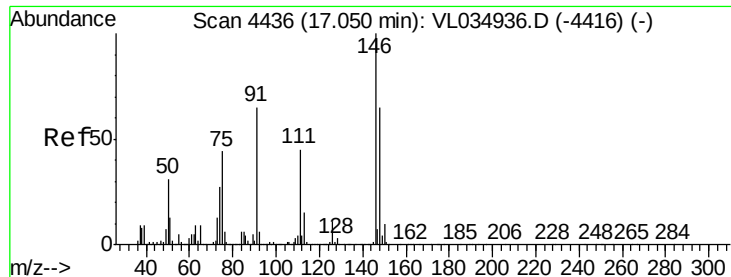
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





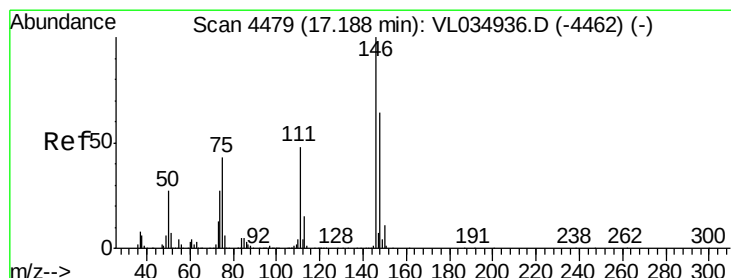
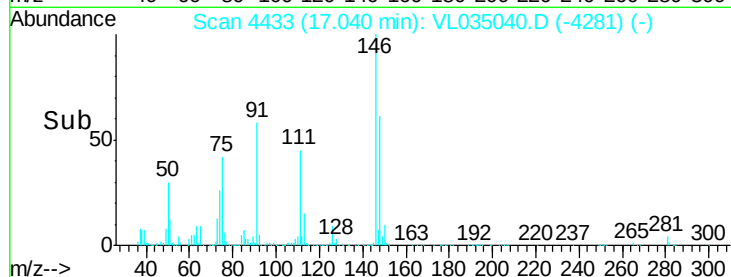
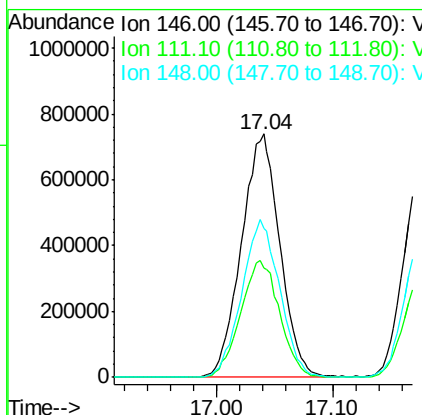
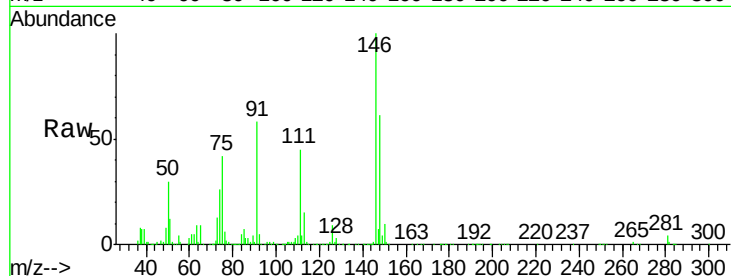
#75
 1,3-Dichlorobenzene
 Concen: 8.386 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1703169
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.0 72.0
 148 64.0 32.6 97.7

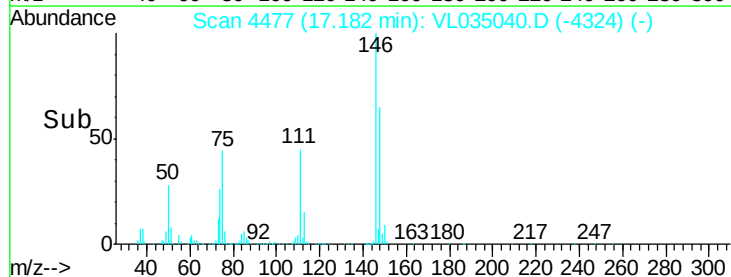
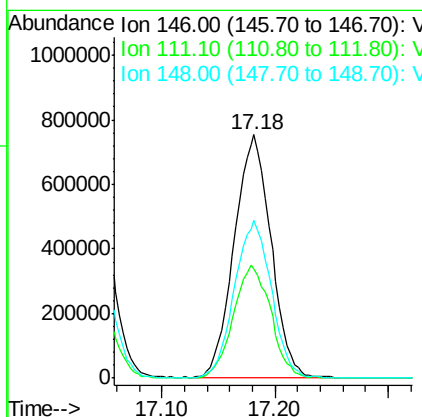
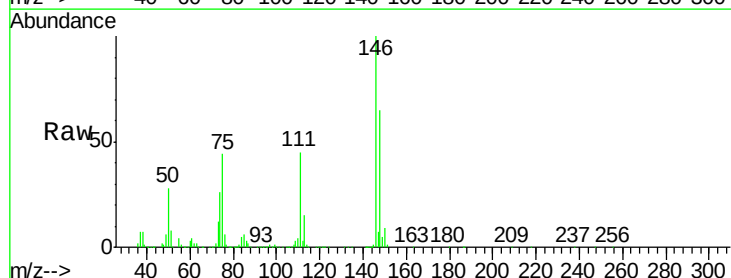
Manual Integrations
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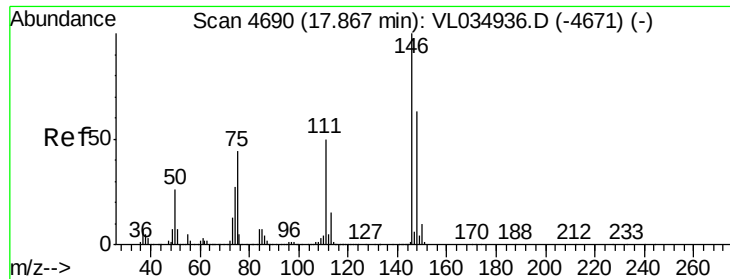
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 8.818 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion:146 Resp: 1701721
 Ion Ratio Lower Upper
 146 100
 111 47.2 23.7 71.1
 148 65.6 32.6 97.8





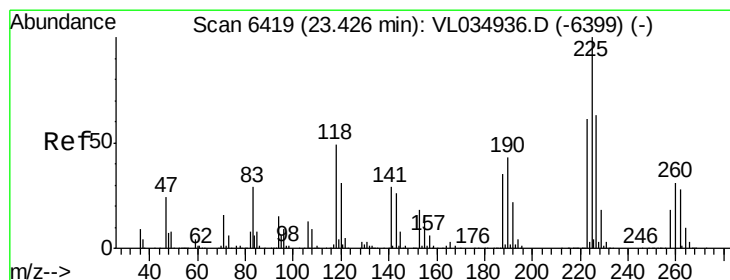
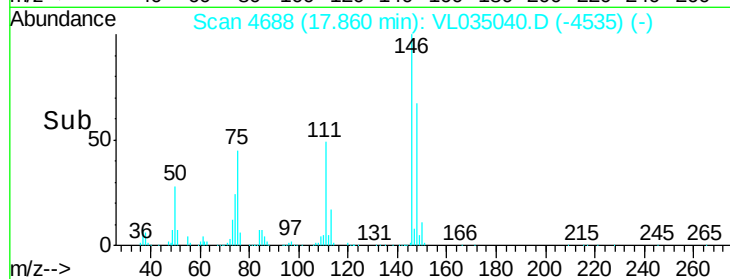
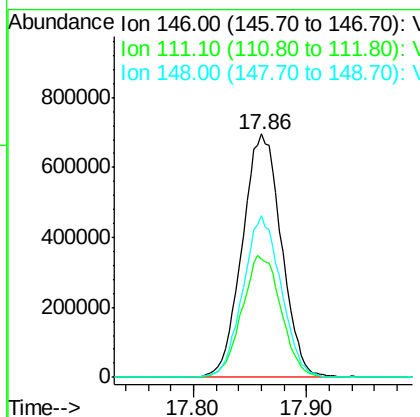
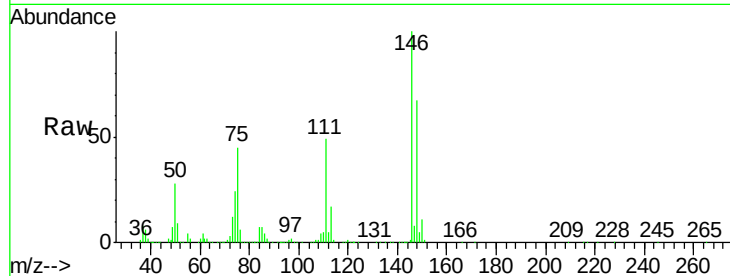
#77
 1,2-Dichlorobenzene
 Concen: 8.747 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. -0.01 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1673847
 Ion Ratio Lower Upper
 146 100
 111 50.0 24.5 73.5
 148 64.7 31.7 95.1

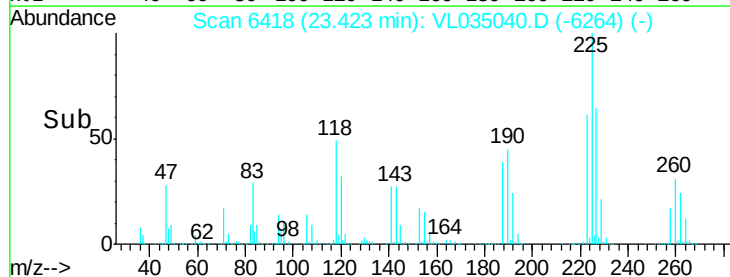
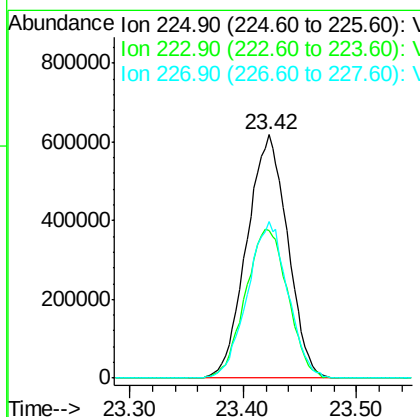
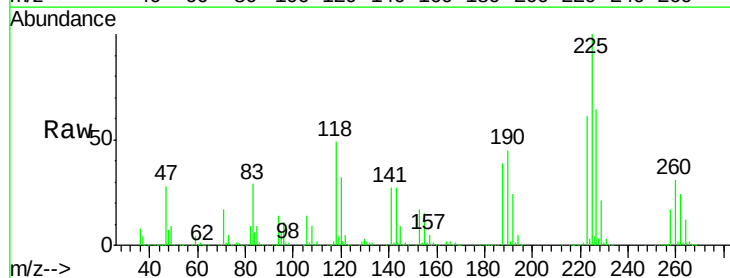
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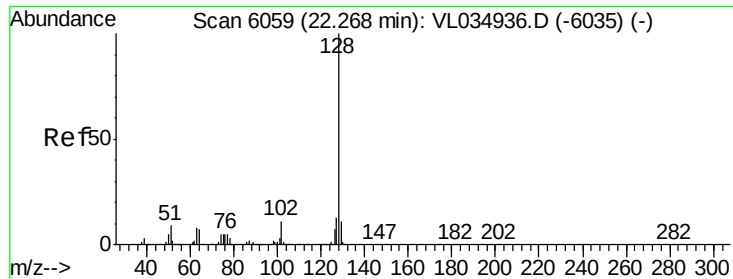
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.500 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. -0.00 min
 Lab File: VL035040.D
 Acq: 15 May 2020 10:44

Tgt Ion:225 Resp: 1549727
 Ion Ratio Lower Upper
 225 100
 223 63.5 49.8 74.8
 227 63.5 51.8 77.6





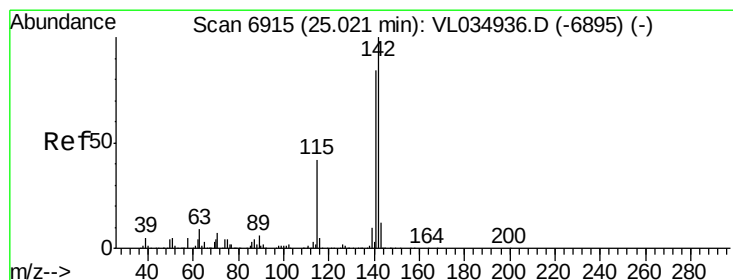
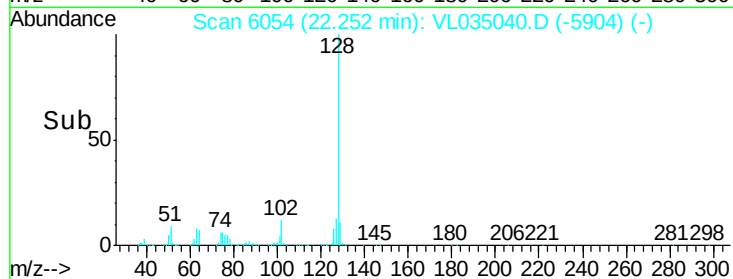
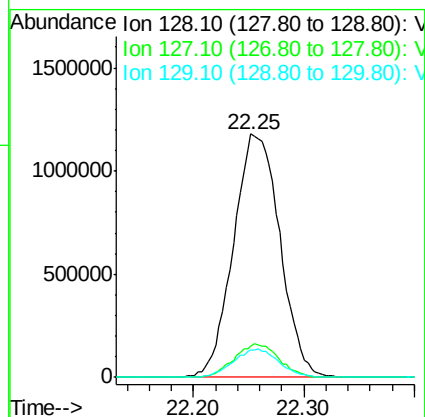
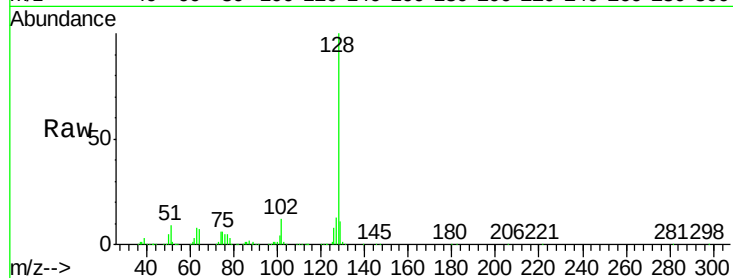
#79
Naphthalene
Concen: 12.695 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. -0.02 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	11.1	9.0	13.4

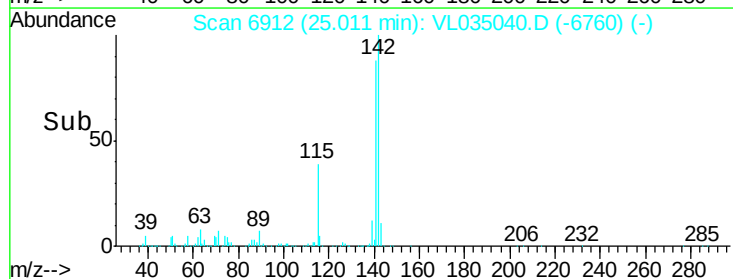
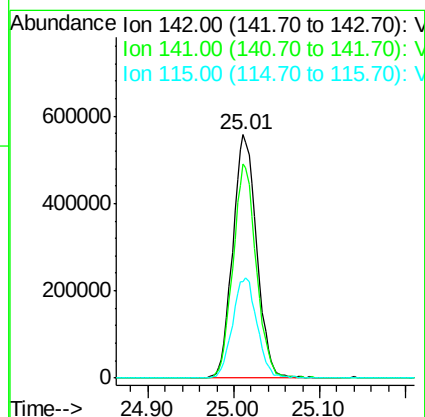
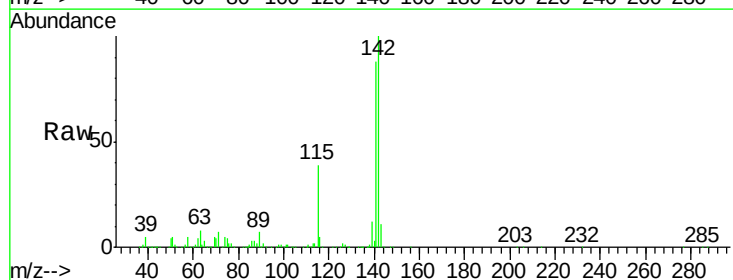
Manual Integrations
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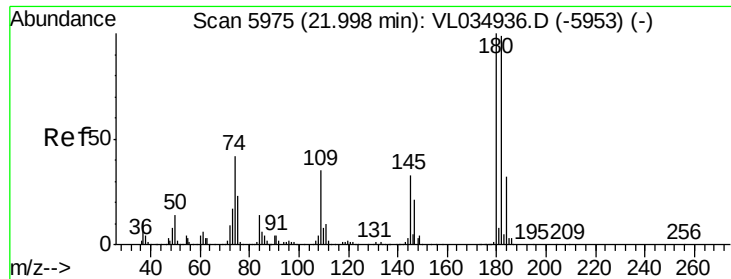
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#80
Naphthalene, 2-methyl-
Concen: 16.243 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. -0.01 min
Lab File: VL035040.D
Acq: 15 May 2020 10:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.3	68.6	102.8
115	42.4	33.9	50.9





#81

1,2,4-Trichlorobenzene

Concen: 11.018 ppbv

RT: 21.99 min Scan# 5971

Delta R.T. -0.01 min

Lab File: VL035040.D

Acq: 15 May 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:180 Resp: 1799683

Ion Ratio Lower Upper

180 100

182 96.7 77.5 116.3

184 31.3 24.8 37.2

Manual Integrations

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MMDadoda

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