

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
 Data File : VL035221.D
 Acq On : 21 Jul 2020 23:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 2:59:57 PM

Quant Time: Jul 22 02:00:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 0
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1213548	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2876570	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2874692	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2251628	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1243058	7.309	ppbv	98
3) Chlorodifluoromethane	2.94	51	1252165	9.341	ppbv	100
4) Chloromethane	3.10	50	710018	9.398	ppbv	97
5) Vinyl Chloride	3.21	62	724292	8.971	ppbv	99
6) Bromomethane	3.43	94	457901	9.994	ppbv	97
7) Chloroethane	3.52	64	277388	9.719	ppbv	98
8) Dichlorotetrafluoroethane	3.14	85	1682439	9.026	ppbv	100
9) Propene	2.96	41	504924	9.967	ppbv	100
10) Heptane	8.13	43	1441042	11.080	ppbv	100
11) Trichlorofluoromethane	3.92	101	1804039	9.393	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1262421	9.360	ppbv	100
13) Ethanol	3.57	45	123232	7.641	ppbv	94
14) Bromoethene	3.70	108	548322	9.878	ppbv	100
15) Acetone	3.81	43	1354869	8.247	ppbv	98
16) 1,3-Butadiene	3.28	39	650788	10.319	ppbv	100
17) tert-Butyl alcohol	4.26	59	1528776	10.517	ppbv	99
18) 1,1-Dichloroethene	4.26	96	584800	9.792	ppbv	99
19) Isopropyl Alcohol	3.93	45	1009182	10.182	ppbv	99
20) Methylene Chloride	4.31	84	520113	7.276	ppbv	98
21) Allyl Chloride	4.38	41	951291	9.948	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	568071	9.528	ppbv	95
23) Vinyl Acetate	5.05	43	1836469	10.326	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1484075	9.717	ppbv	99
25) Ethyl Acetate	5.66	43	2536714	9.949	ppbv	100
26) Hexane	5.67	57	1124591	10.004	ppbv	99
27) Carbon Disulfide	4.52	76	1533221	9.767	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1748322	10.208	ppbv	100
29) Chloroform	5.74	83	1813288	9.621	ppbv	94
30) Cyclohexane	7.13	84	935710	11.249	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1118395	10.518	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1780298	9.425	ppbv	99
34) 2-Butanone	5.22	43	1549355	10.091	ppbv	99
35) Carbon Tetrachloride	7.02	117	1840676	9.858	ppbv	97
36) Benzene	6.89	78	2221113	10.669	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1406161	10.064	ppbv	99
38) Trichloroethene	7.84	130	893651	10.534	ppbv	97
39) 1,2-Dichloropropane	7.62	63	870179	10.510	ppbv	98
40) 1,4-Dioxane	7.83	88	325350	9.871	ppbv #	1
41) Tetrahydrofuran	6.03	42	849695	11.060	ppbv	99
42) Bromodichloromethane	7.80	83	1937250	10.383	ppbv	100
43) Methyl Methacrylate	8.02	69	1028315	11.684	ppbv	98

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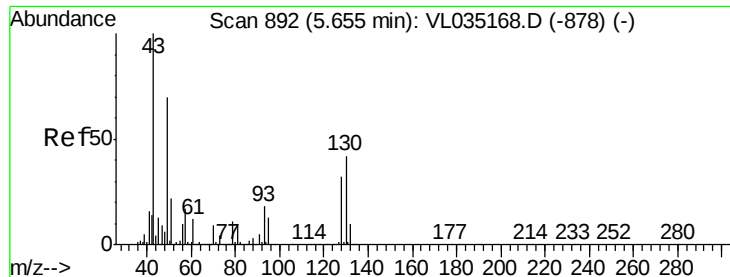
Manual Integrations
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Quant Time: Jul 22 02:00:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3849817	10.713	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1139584	12.325	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1351101	12.326	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	955912	10.548	ppbv	97
48) Dibromochloromethane	10.32	129	1616215	10.961	ppbv	99
49) Bromoform	13.08	173	1459477	11.315	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2430381	11.030	ppbv	100
51) 2-Hexanone	10.15	43	1976605	11.764	ppbv #	100
52) Tetrachloroethene	11.25	164	812631	10.450	ppbv	95
53) Toluene	9.83	91	2605006	11.856	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1443519	10.733	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1254021	9.846	ppbv	98
57) Chlorobenzene	12.18	112	2052558	9.688	ppbv	98
58) Ethyl Benzene	12.74	91	3532588	11.118	ppbv	99
59) m/p-Xylene	13.02	91	6016744m	21.246	ppbv	
60) o-Xylene	13.73	91	3000261	10.619	ppbv	100
61) Styrene	13.56	104	2106475	12.066	ppbv	99
62) Isopropylbenzene	14.70	105	4407940	10.526	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2189288	9.273	ppbv	99
64) n-propylbenzene	15.60	120	1177577	10.885	ppbv	99
65) tert-Butylbenzene	16.78	119	3936251	10.465	ppbv	100
66) Benzyl Chloride	17.03	91	1632309	12.181	ppbv	100
67) sec-Butylbenzene	17.33	105	5629895	10.267	ppbv	99
69) p-Isopropyltoluene	17.69	119	4633153	10.780	ppbv	100
70) n-Butylbenzene	18.59	91	4925222	10.809	ppbv	100
71) 2-Chlorotoluene	15.49	91	3457454	10.911	ppbv	100
72) 4-Ethyltoluene	15.88	105	3518227	11.052	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3341056	10.883	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	3502532	10.324	ppbv	99
75) 1,3-Dichlorobenzene	17.04	146	2026598	9.433	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2034015	10.187	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1943013	10.045	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1426842	9.334	ppbv	99
79) Naphthalene	22.26	128	2903918	13.228	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	1079410	20.816	ppbv	98
81) 1,2,4-Trichlorobenzene	21.99	180	1620578	11.653	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1213548

Ion Ratio Lower Upper

49 100

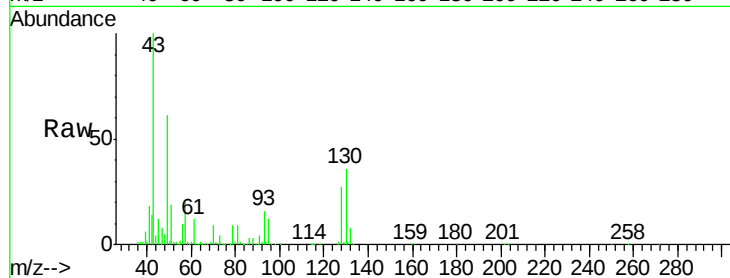
128 46.7 23.8 71.4

130 61.3 29.9 89.8

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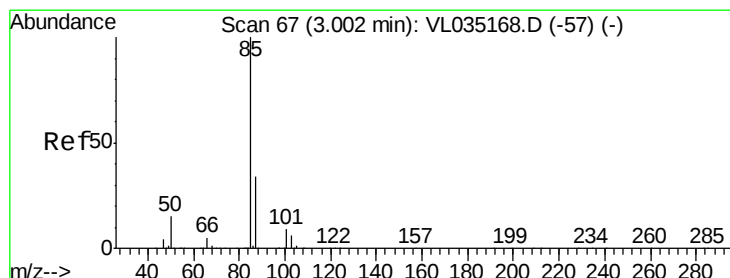
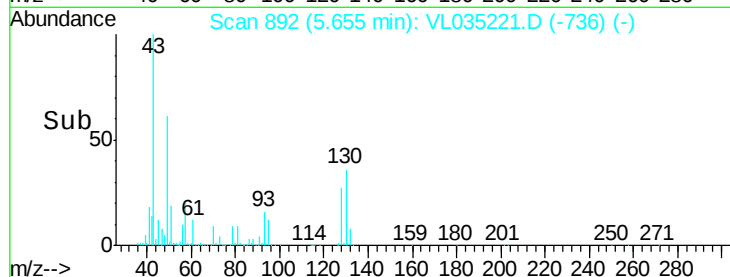
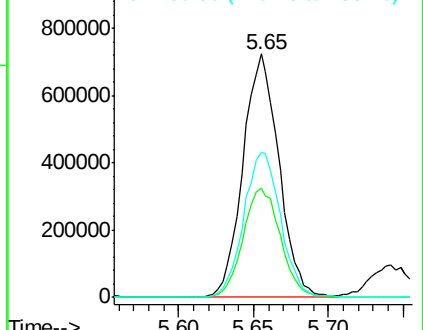
7/23/2020 2:59:57 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.309 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035221.D

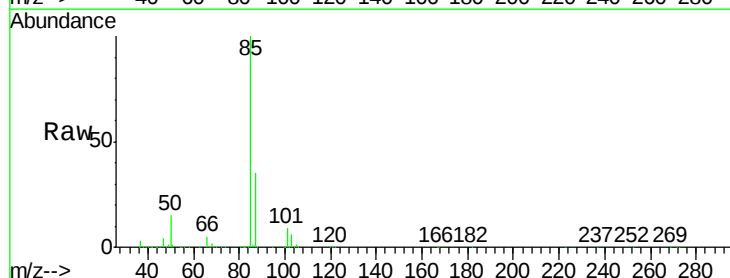
Acq: 21 Jul 2020 23:37

Tgt Ion: 85 Resp: 1243058

Ion Ratio Lower Upper

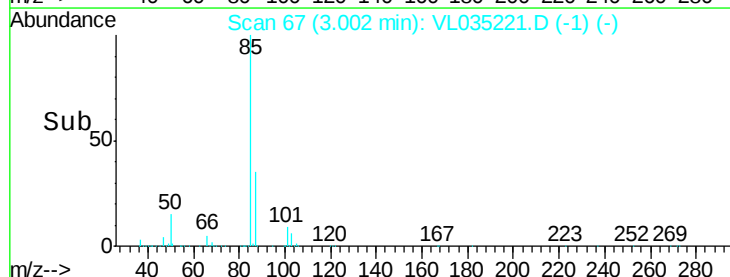
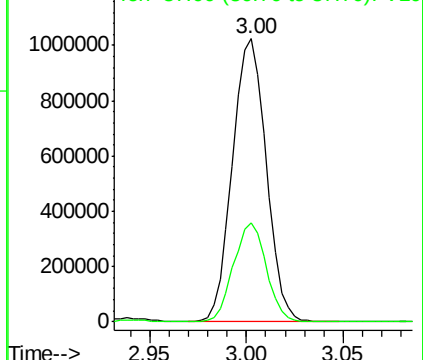
85 100

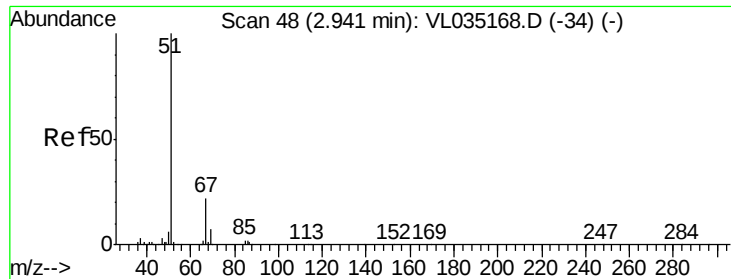
87 34.8 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.341 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Tot Ion: 51 Resp: 1252165

Ion Ratio Lower Upper

51 100

67 20.5 16.6 24.8

Instrument :

MSVOA_L

ClientSampleId :

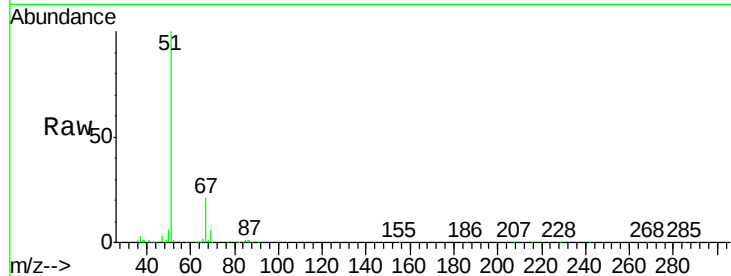
VSTDCCC010EC

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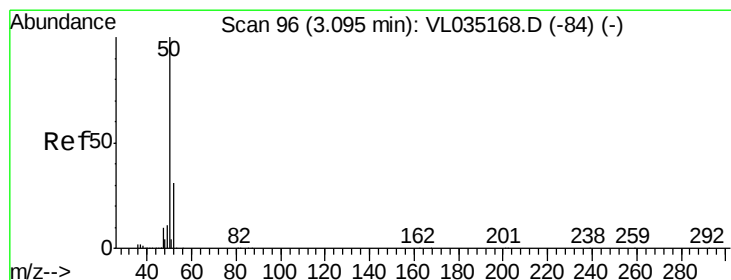
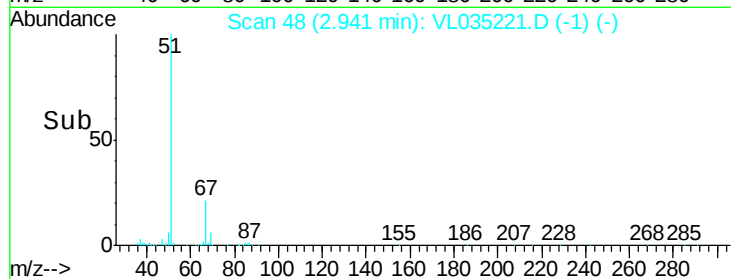
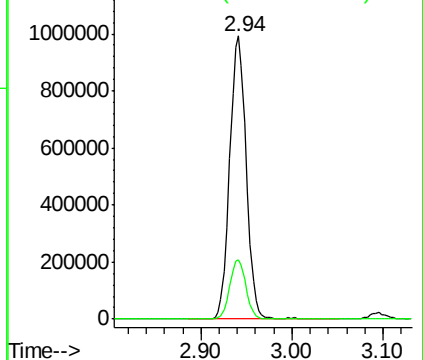
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.398 ppbv

RT: 3.10 min Scan# 96

Delta R.T. 0.00 min

Lab File: VL035221.D

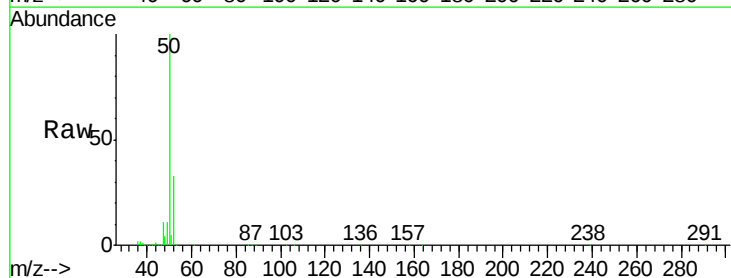
Acq: 21 Jul 2020 23:37

Tgt Ion: 50 Resp: 710018

Ion Ratio Lower Upper

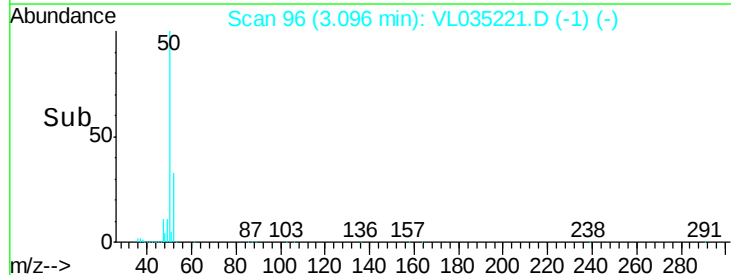
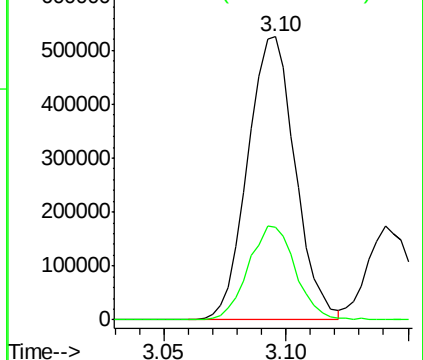
50 100

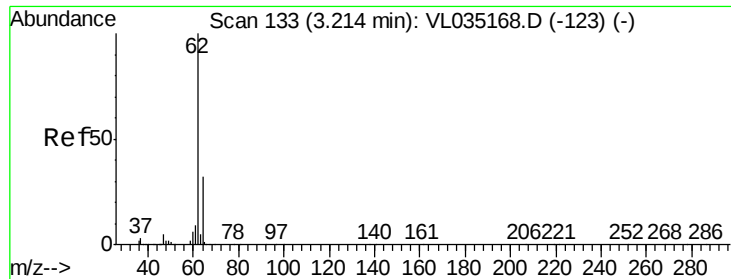
52 32.9 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.971 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 724292

Ion Ratio Lower Upper

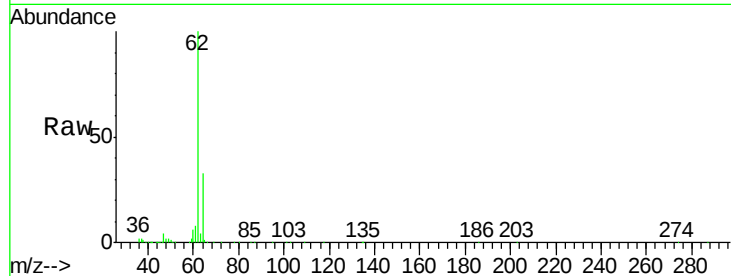
62 100

64 32.7 25.9 38.9

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.21

600000

500000

400000

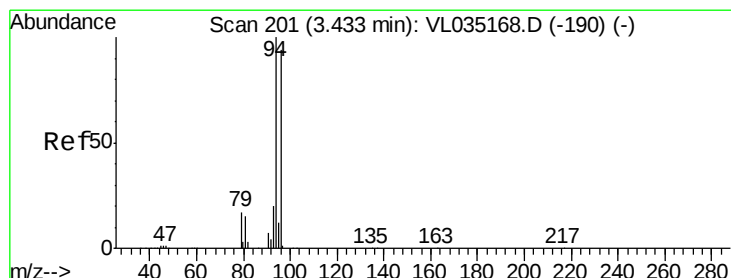
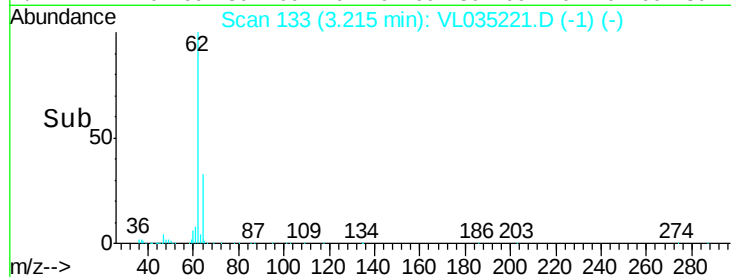
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.994 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL035221.D

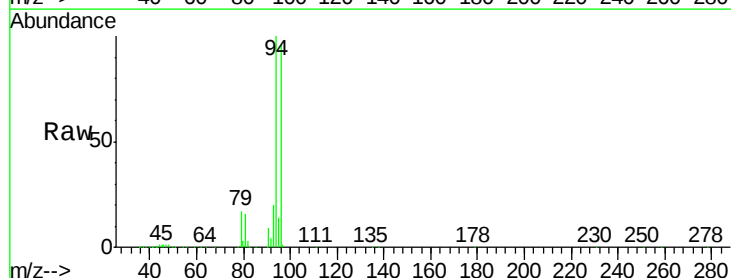
Acq: 21 Jul 2020 23:37

Tgt Ion: 94 Resp: 457901

Ion Ratio Lower Upper

94 100

96 96.0 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.43

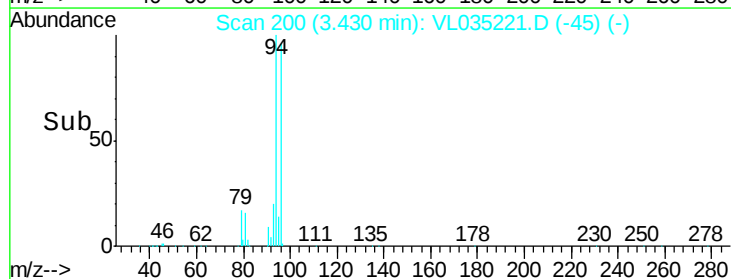
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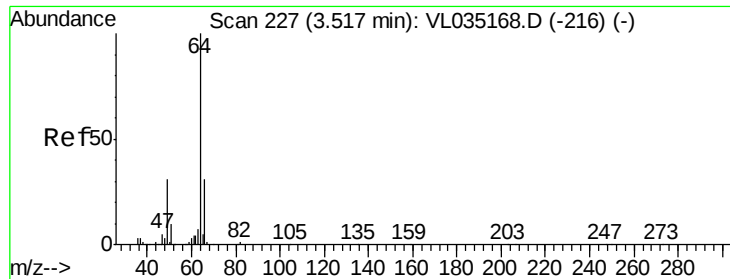
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.719 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 277388

Ion Ratio Lower Upper

64 100

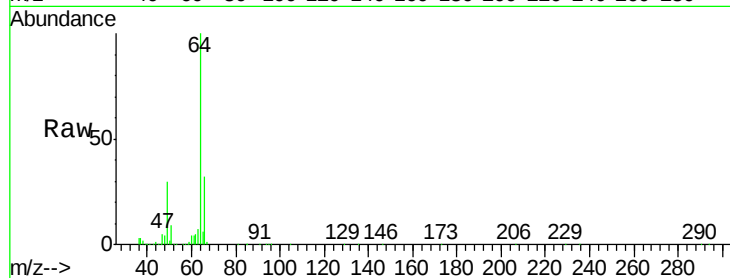
66 32.0 24.6 36.8

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

250000

200000

150000

100000

50000

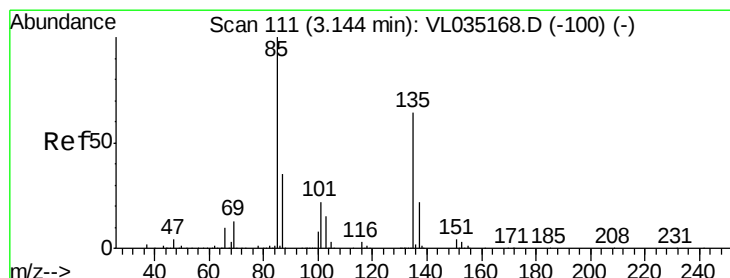
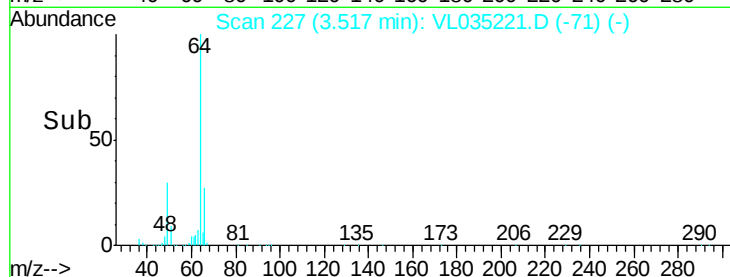
0

3.52

3.50

3.55

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.026 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035221.D

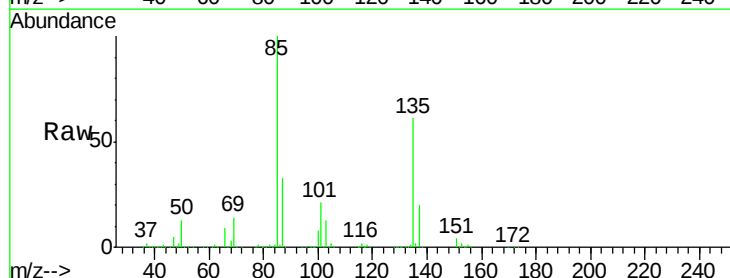
Acq: 21 Jul 2020 23:37

Tgt Ion: 85 Resp: 1682439

Ion Ratio Lower Upper

85 100

135 65.1 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

0

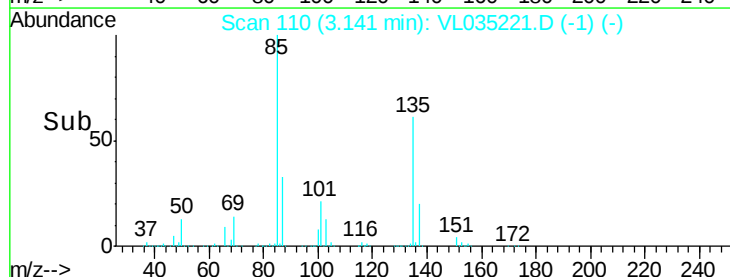
3.14

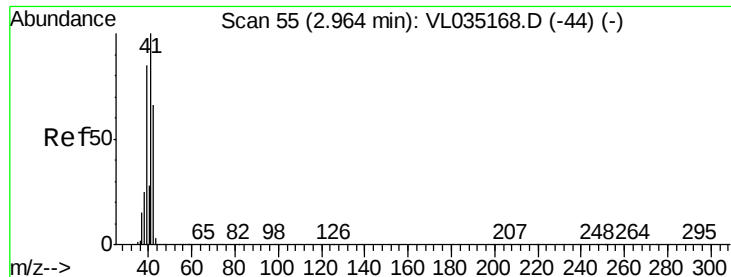
3.10

3.15

3.20

Time-->





#9

Propene

Concen: 9.967 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 504924

Ion Ratio Lower Upper

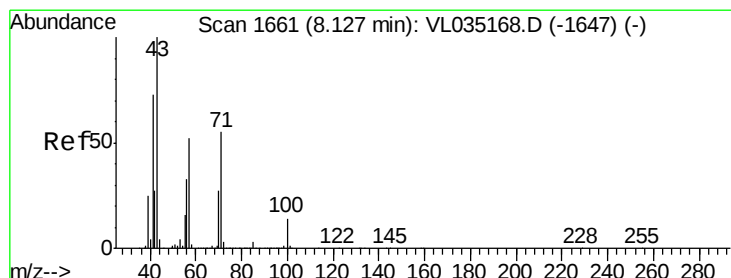
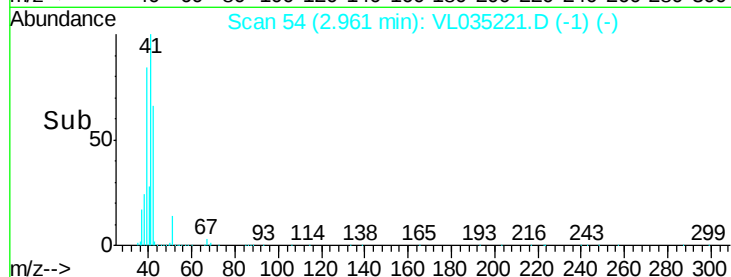
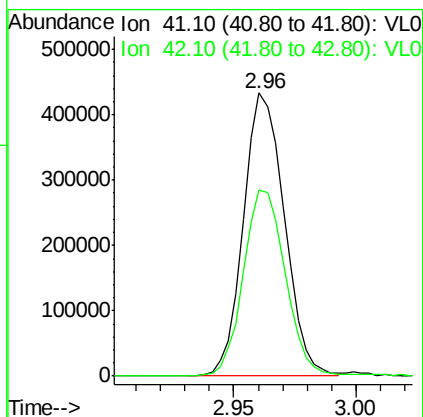
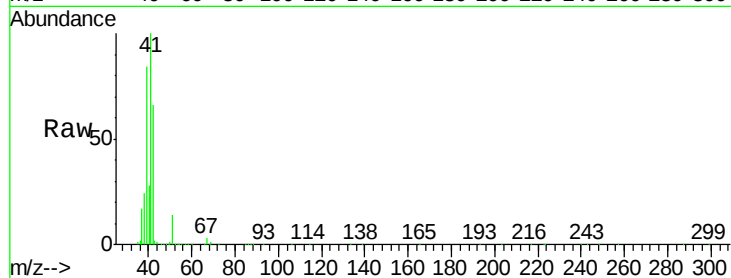
41 100

42 68.1 54.6 81.8

Manual Integrations
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#10

Heptane

Concen: 11.080 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035221.D

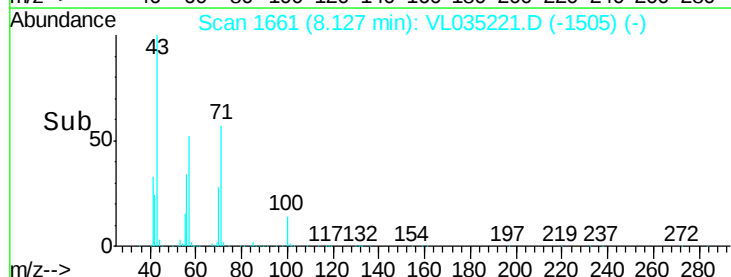
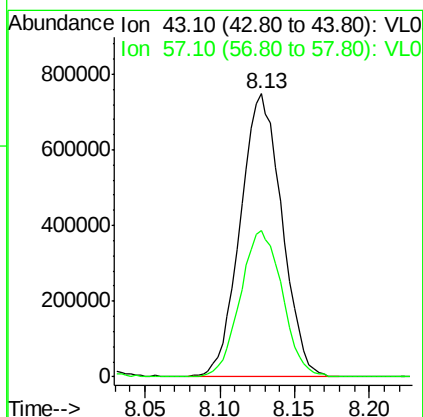
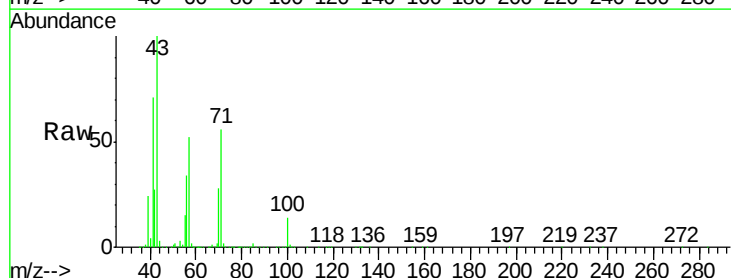
Acq: 21 Jul 2020 23:37

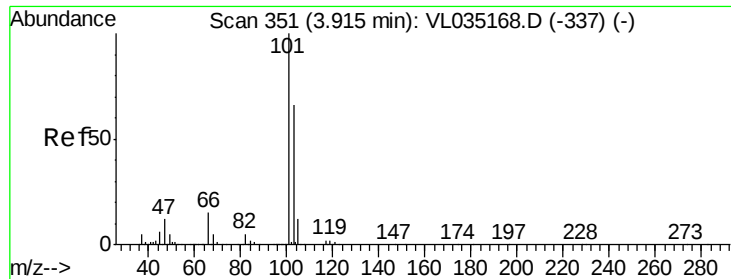
Tgt Ion: 43 Resp: 1441042

Ion Ratio Lower Upper

43 100

57 52.4 41.8 62.6





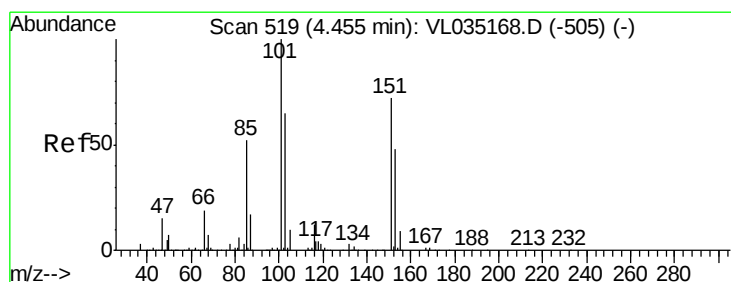
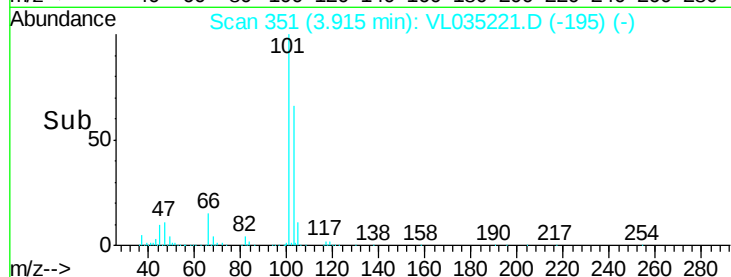
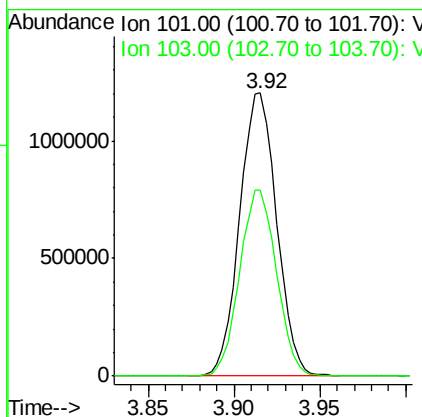
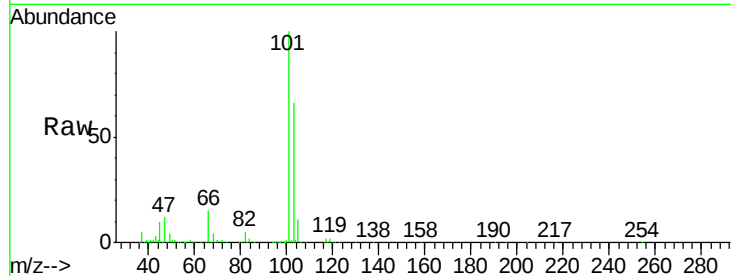
#11
 Trichlorofluoromethane
 Concen: 9.393 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1804039
 Ion Ratio Lower Upper
 101 100
 103 65.8 53.1 79.7

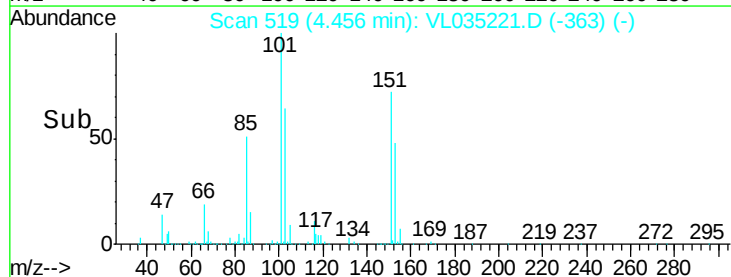
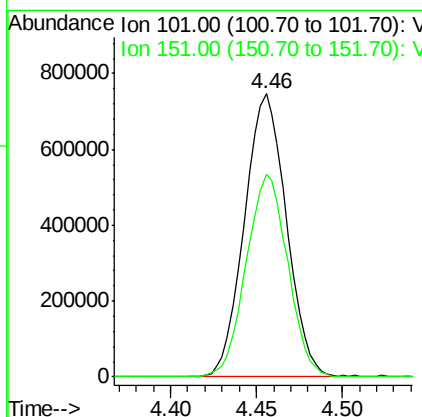
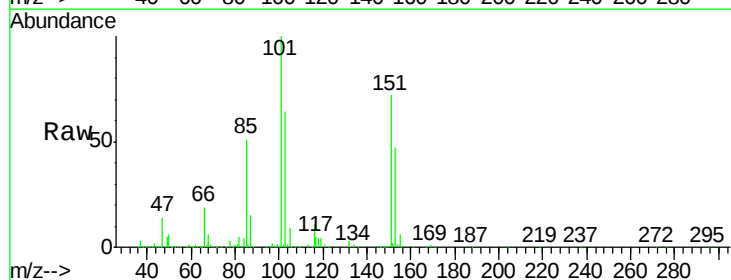
Manual Integrations
 APPROVED

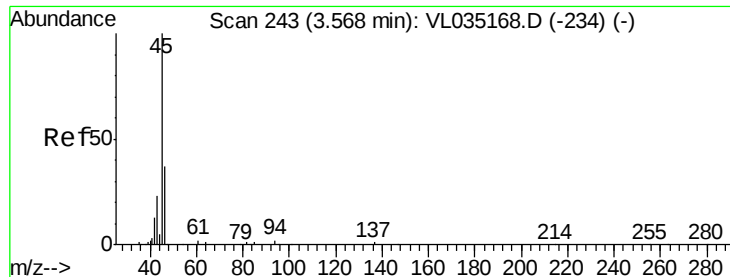
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.360 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion:101 Resp: 1262421
 Ion Ratio Lower Upper
 101 100
 151 71.0 57.0 85.4





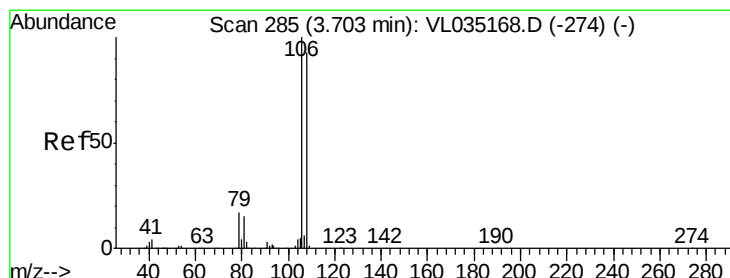
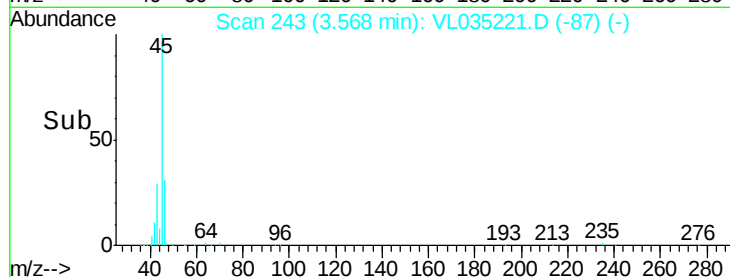
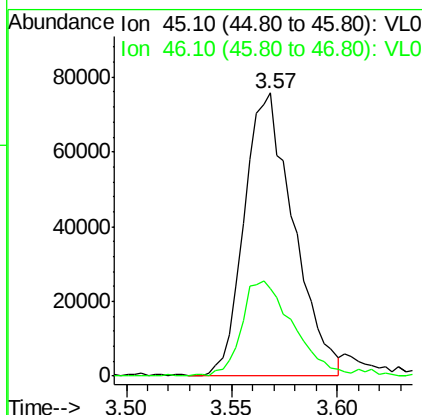
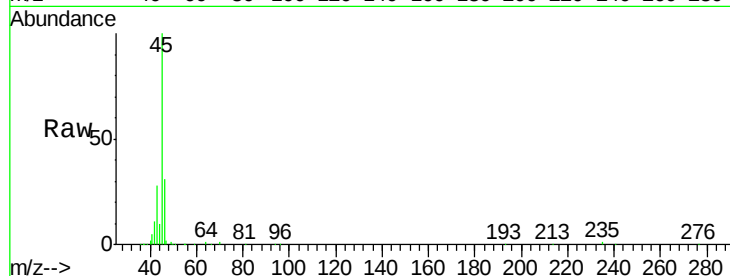
#13
Ethanol
Concen: 7.641 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Ratio	Lower	Upper
45	100			
46	36.8	16.2	65.0	

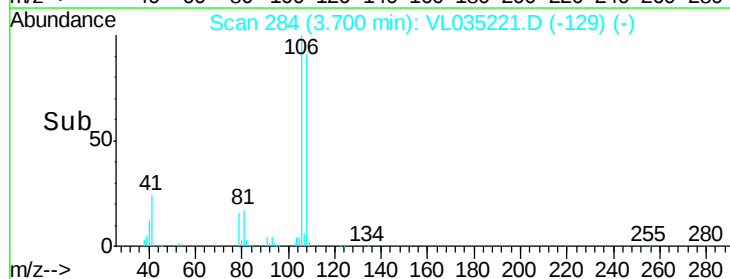
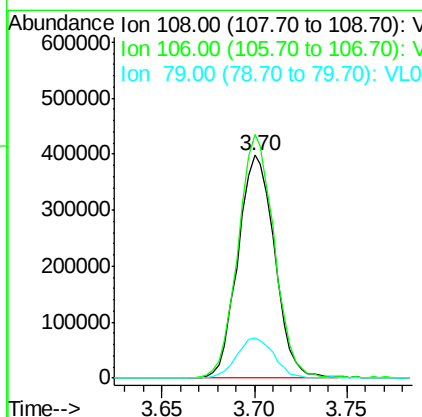
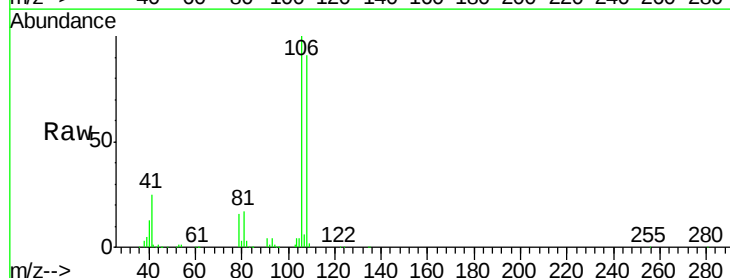
Manual Integrations
APPROVED

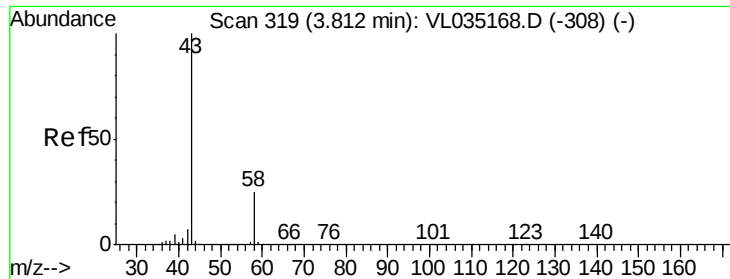
MMDadoda
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#14
Bromoethene
Concen: 9.878 ppbv
RT: 3.70 min Scan# 284
Delta R.T. -0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion	108	Ratio	Lower	Upper
108	100			
106	107.4	86.2	129.2	
79	18.6	15.0	22.6	





#15

Acetone

Concen: 8.247 ppbv

RT: 3.81 min Scan# 319

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1354869

Ion Ratio Lower Upper

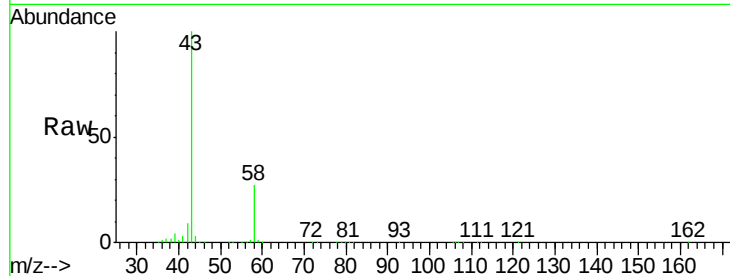
43 100

58 27.4 21.3 31.9

Manual Integrations
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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

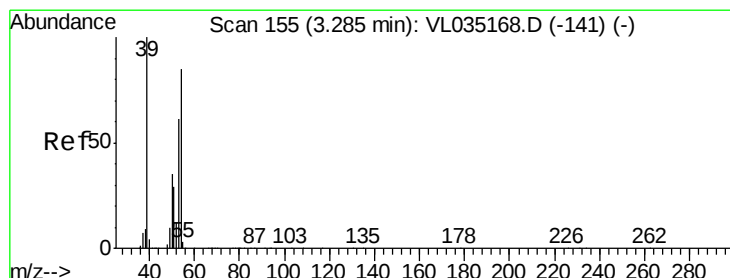
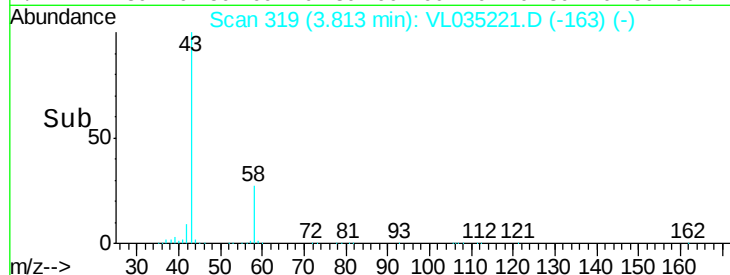
400000

200000

0

3.75 3.80 3.85

Time-->



#16

1,3-Butadiene

Concen: 10.319 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.00 min

Lab File: VL035221.D

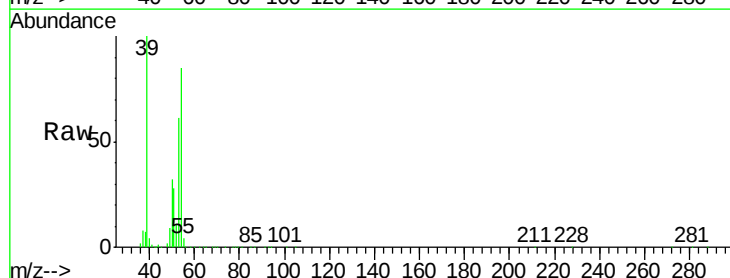
Acq: 21 Jul 2020 23:37

Tgt Ion: 39 Resp: 650788

Ion Ratio Lower Upper

39 100

54 84.1 67.2 100.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

600000

500000

400000

300000

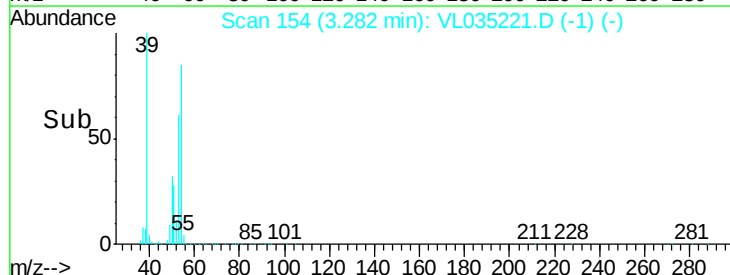
200000

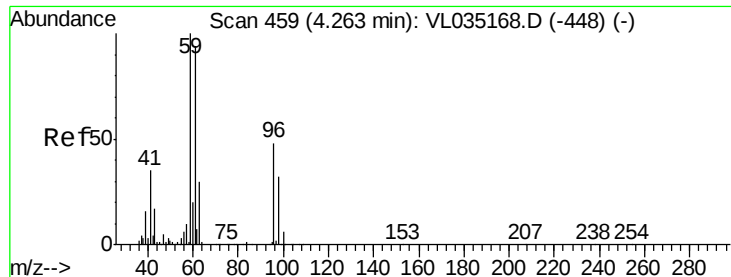
100000

0

3.20 3.25 3.30

Time-->





#17

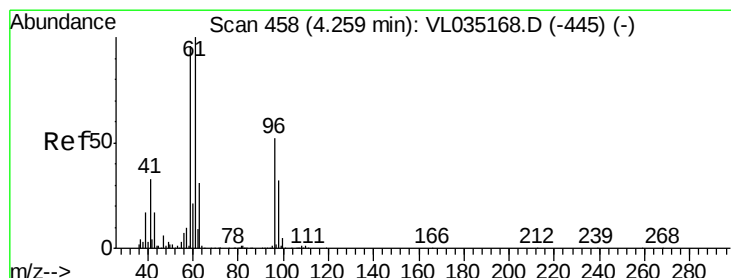
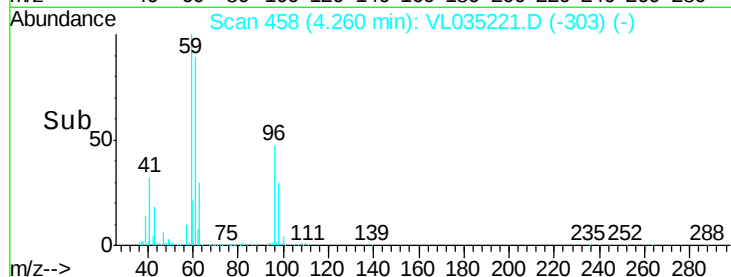
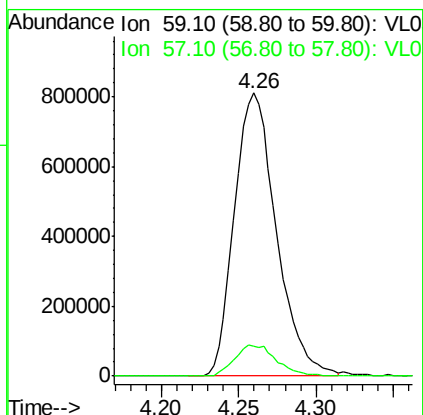
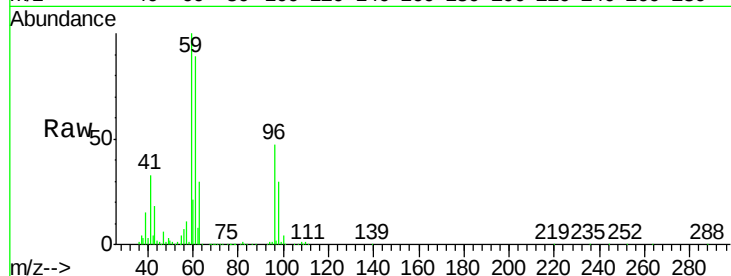
tert-Butyl alcohol
Concen: 10.517 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1528776
Ion Ratio Lower Upper
59 100
57 11.1 8.6 12.8

Manual Integrations
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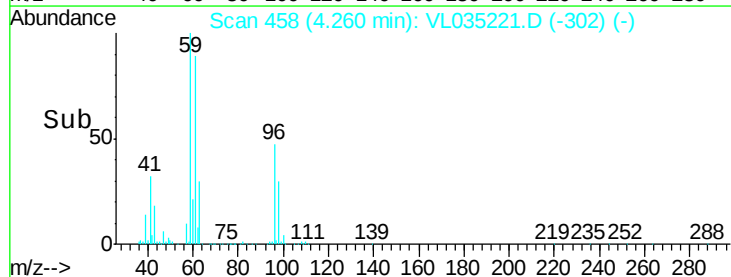
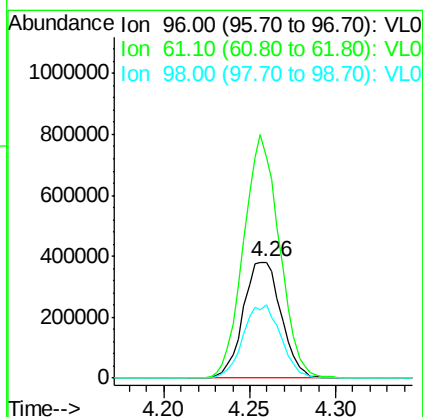
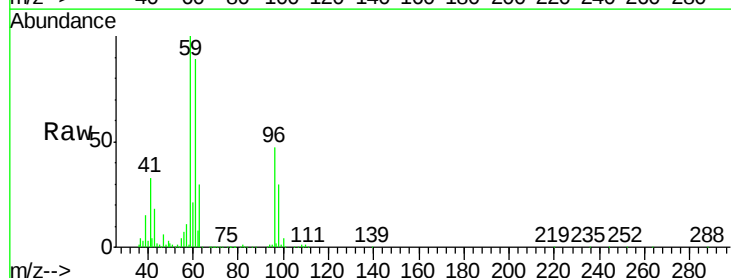
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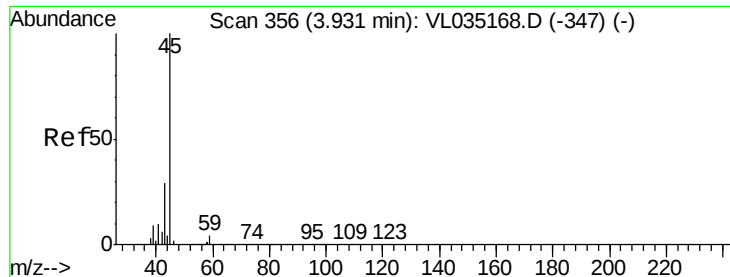


#18

1,1-Dichloroethene
Concen: 9.792 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 96 Resp: 584800
Ion Ratio Lower Upper
96 100
61 190.1 152.9 229.3
98 63.5 48.7 73.1





#19

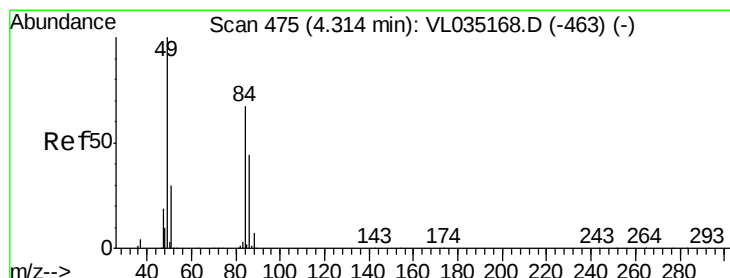
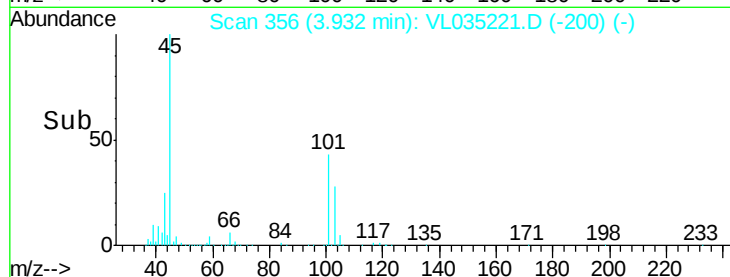
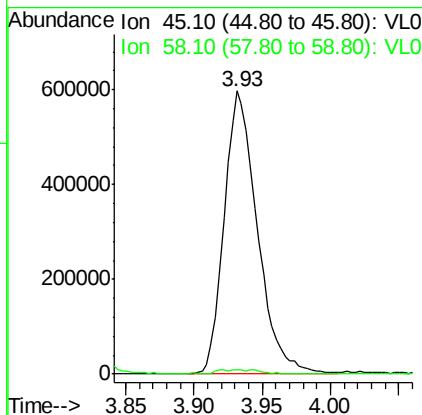
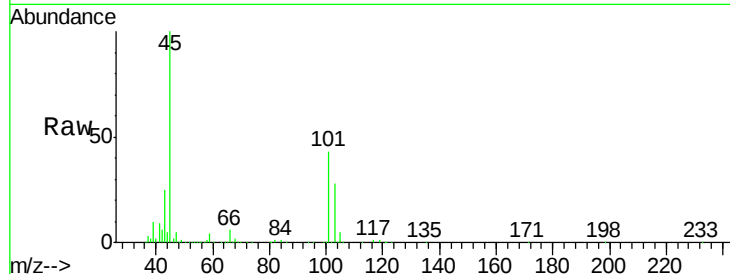
Isopropyl Alcohol
 Concen: 10.182 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 45 Resp: 1009182
 Ion Ratio Lower Upper
 45 100
 58 2.4 2.1 3.1

Manual Integrations
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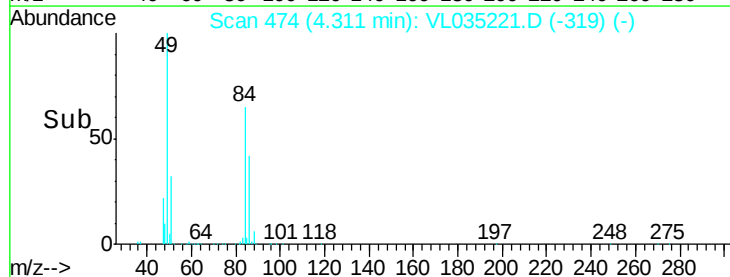
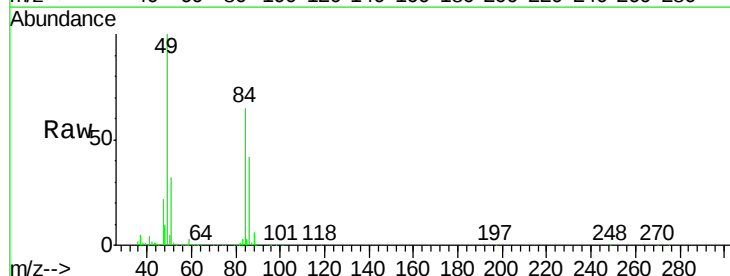
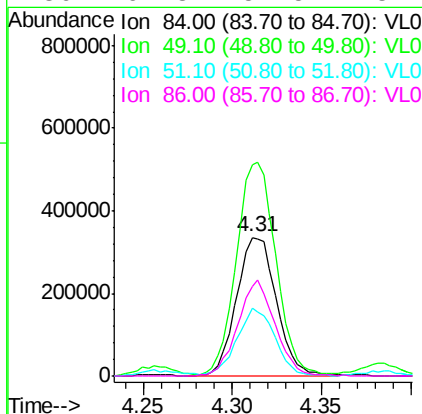
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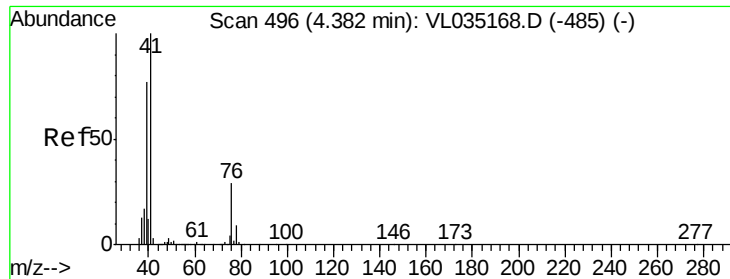


#20

Methylene Chloride
 Concen: 7.276 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion: 84 Resp: 520113
 Ion Ratio Lower Upper
 84 100
 49 151.8 119.4 179.0
 51 48.2 36.6 55.0
 86 64.8 52.5 78.7





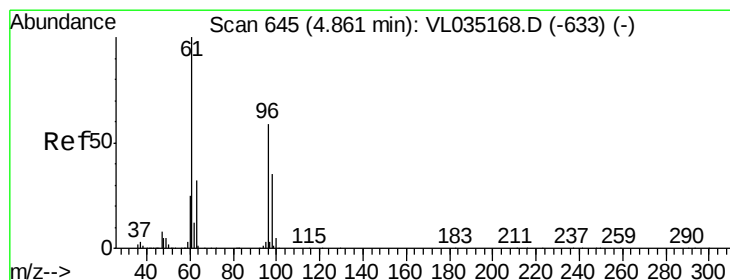
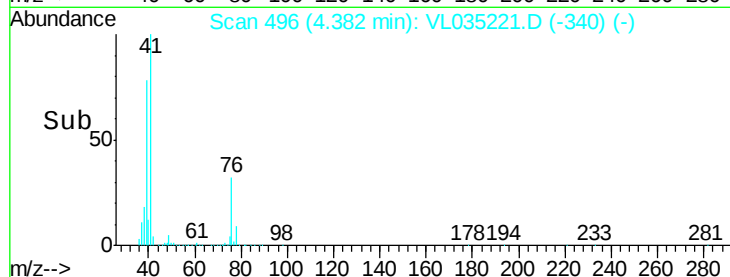
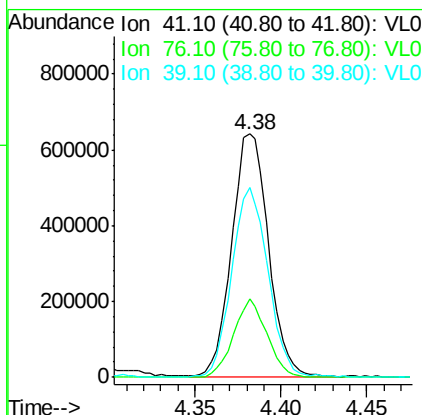
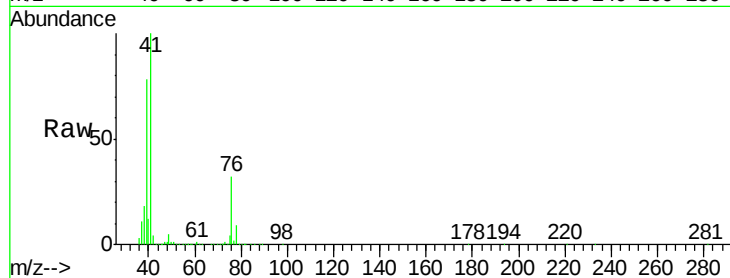
#21
Allvl Chloride
Concen: 9.948 ppbv
RT: 4.38 min Scan# 496
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.7	23.5	35.3
39	77.9	63.4	95.0

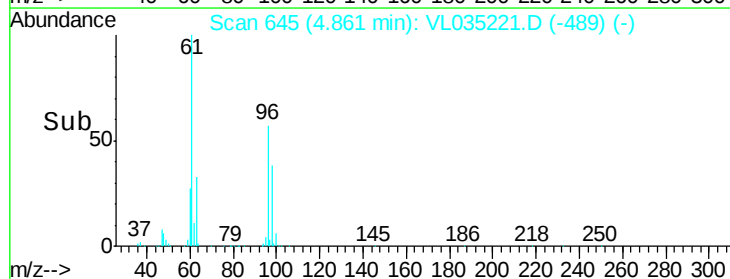
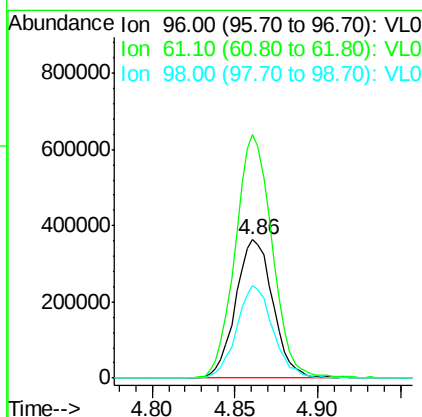
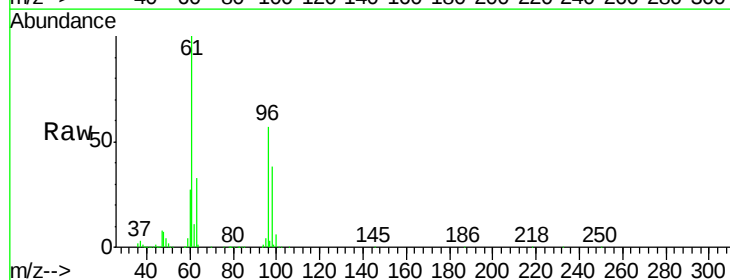
Manual Integrations
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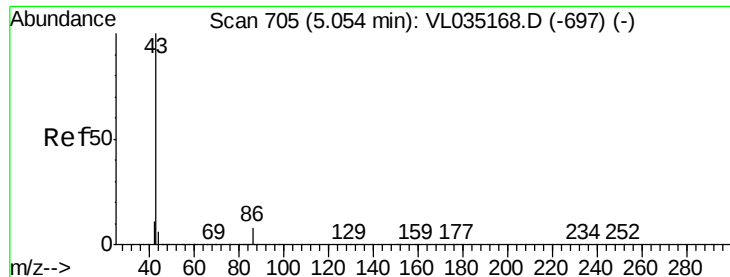
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#22
trans-1,2-Dichloroethene
Concen: 9.528 ppbv
RT: 4.86 min Scan# 645
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.1	136.5	204.7
98	66.5	47.5	71.3





#23

Vinyl Acetate

Concen: 10.326 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Tot Ion: 43 Resp: 1836469

Ion Ratio Lower Upper

43 100

86 8.3 6.2 9.2

42 11.0 9.1 13.7

44 5.5 4.6 6.8

Instrument :

MSVOA_L

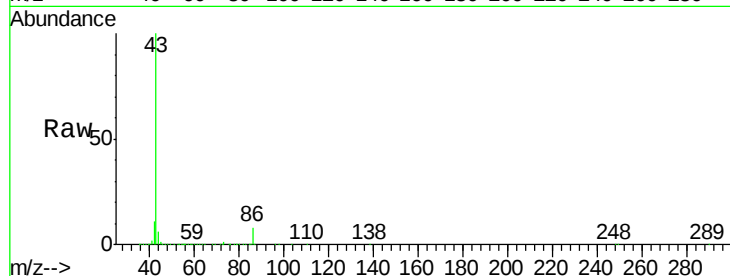
ClientSampleId :

VSTDCCC010EC

Manual Integrations
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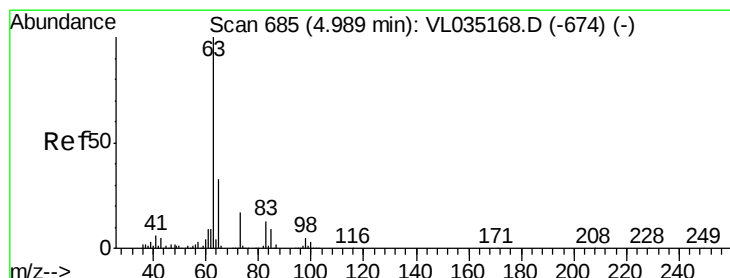
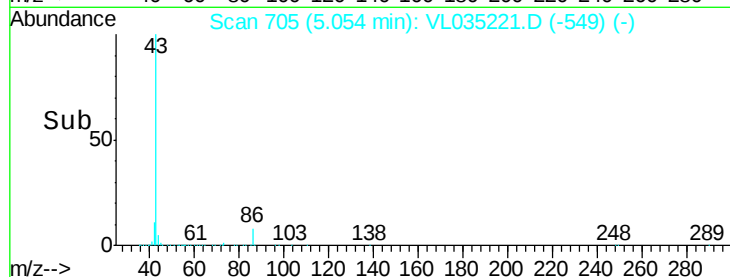
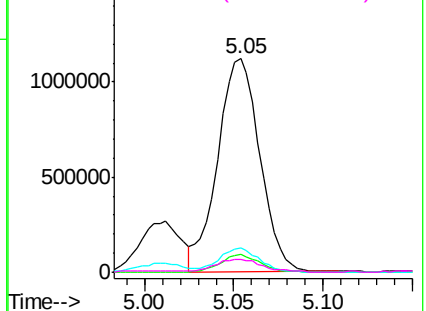


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.717 ppbv

RT: 4.99 min Scan# 685

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

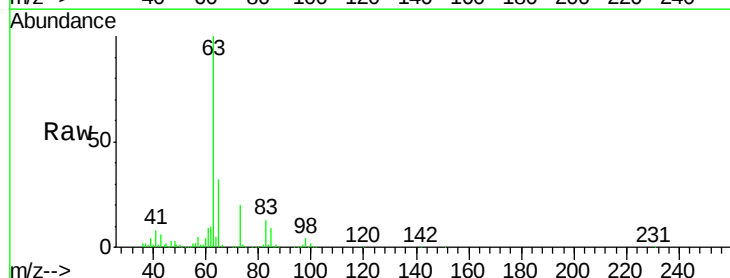
Tgt Ion: 63 Resp: 1484075

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.1

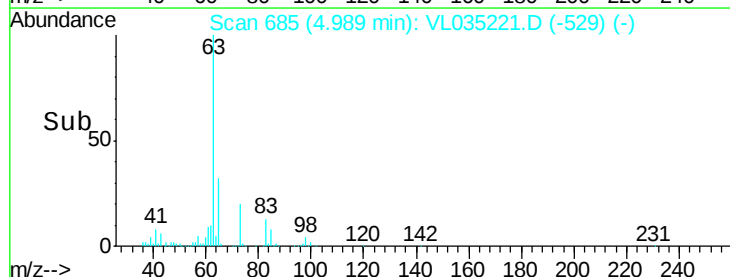
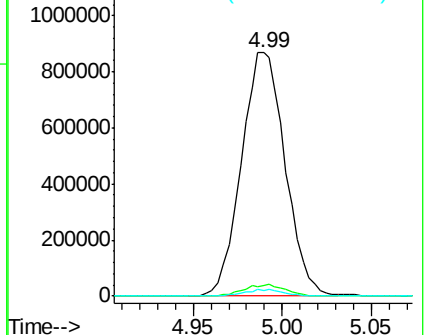
100 2.4 1.4 4.0

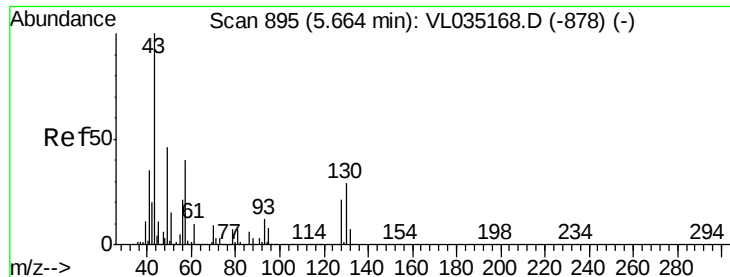


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.949 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

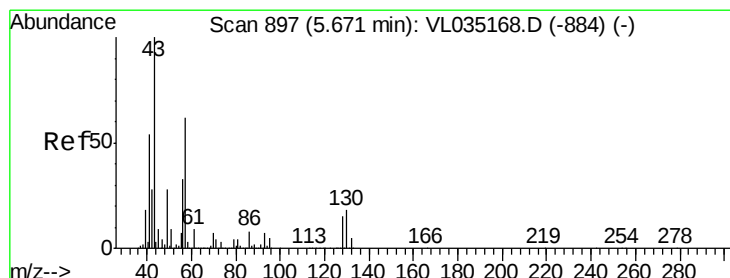
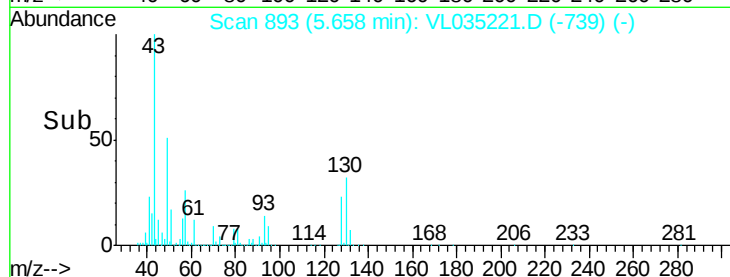
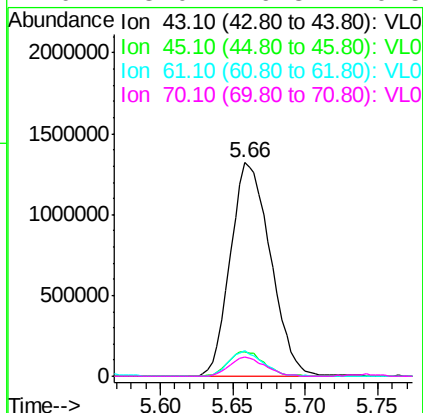
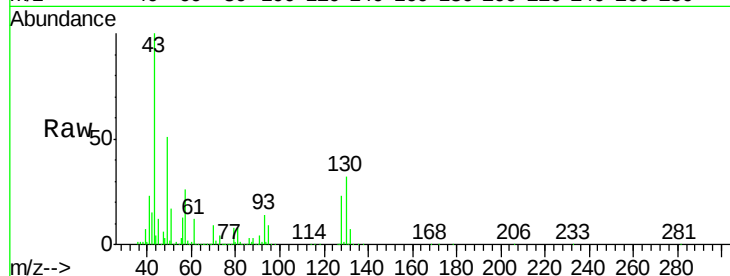
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2536714

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	10.3	8.1	12.1
70	8.0	6.3	9.5

Manual Integrations
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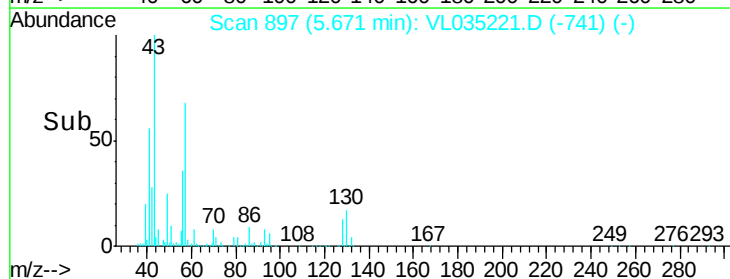
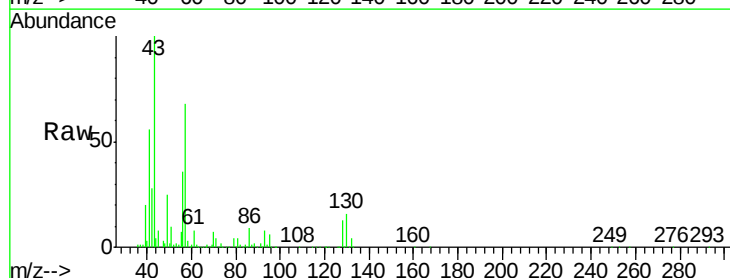
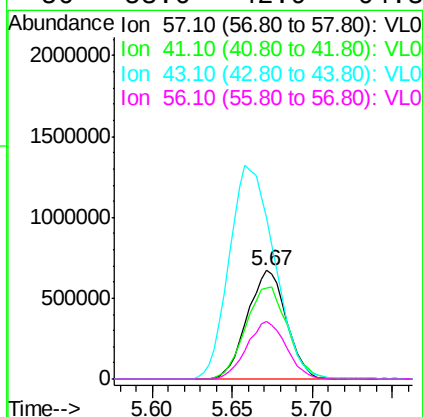
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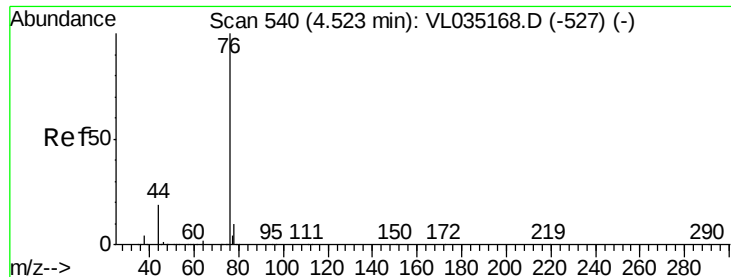


#26
Hexane
Concen: 10.004 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 57 Resp: 1124591

Ion	Ratio	Lower	Upper
57	100		
41	90.7	72.9	109.3
43	226.6	179.5	269.3
56	53.6	42.9	64.3





#27

Carbon Disulfide

Concen: 9.767 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1533221

Ion Ratio Lower Upper

76 100

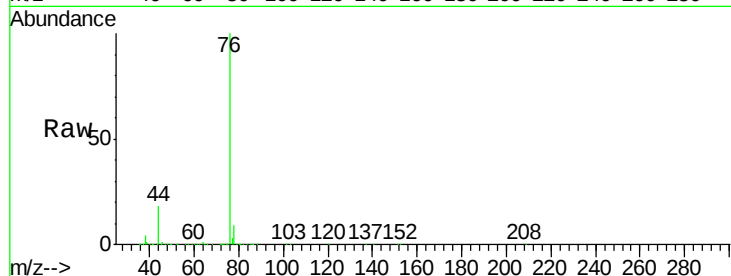
44 18.3 14.9 22.3

78 9.6 7.5 11.3

Manual Integrations
APPROVED

MMDadoda

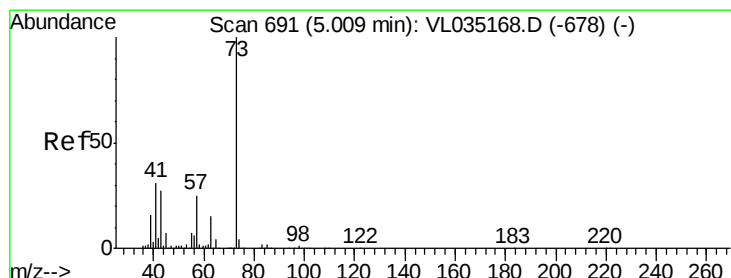
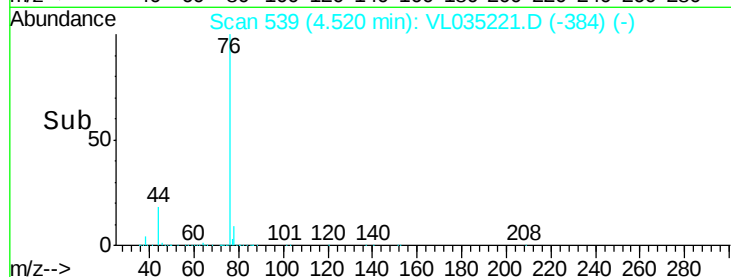
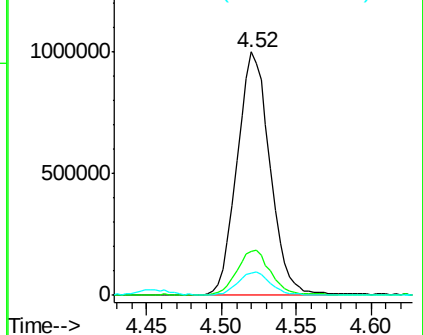
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.208 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL035221.D

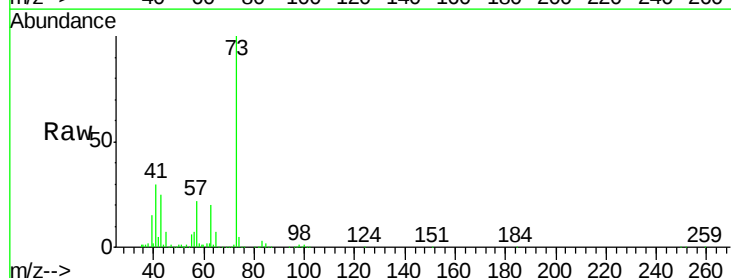
Acq: 21 Jul 2020 23:37

Tgt Ion: 73 Resp: 1748322

Ion Ratio Lower Upper

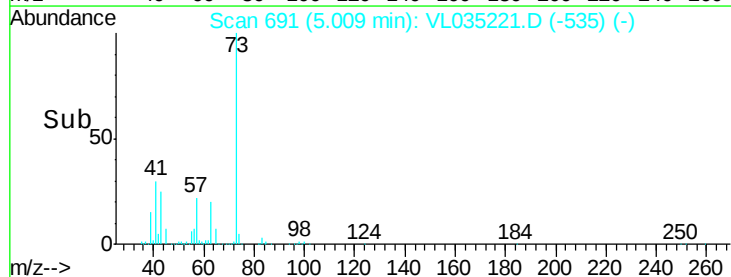
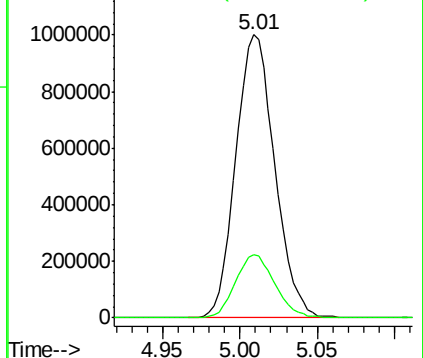
73 100

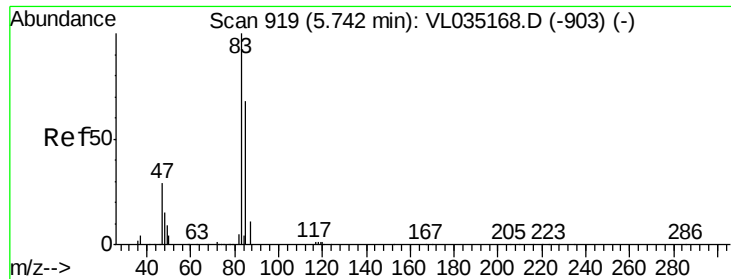
57 22.7 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





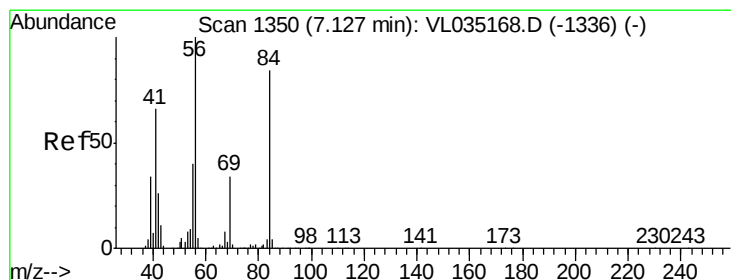
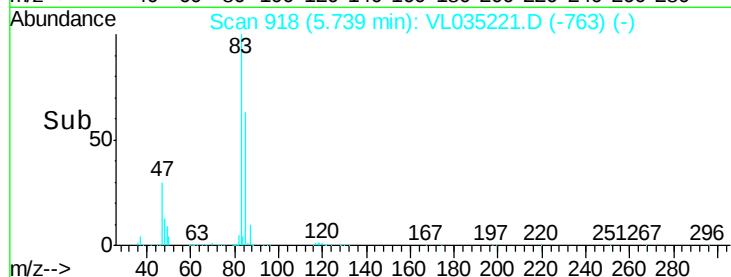
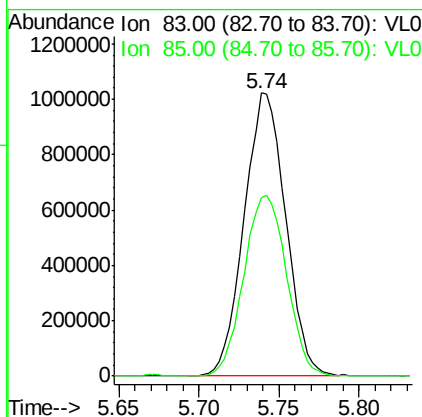
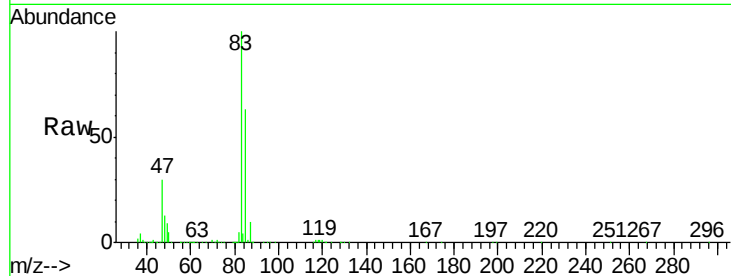
#29
Chloroform
Concen: 9.621 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1813288
Ion Ratio Lower Upper
83 100
85 62.8 54.3 81.5

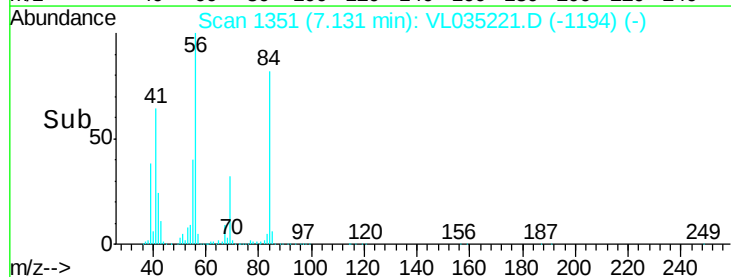
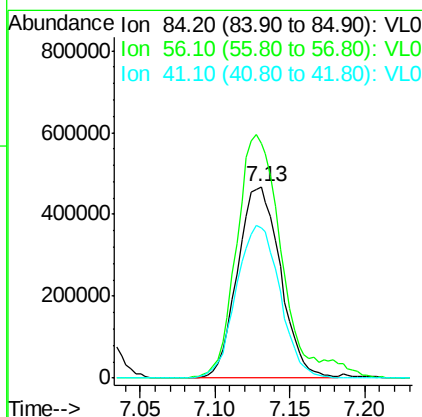
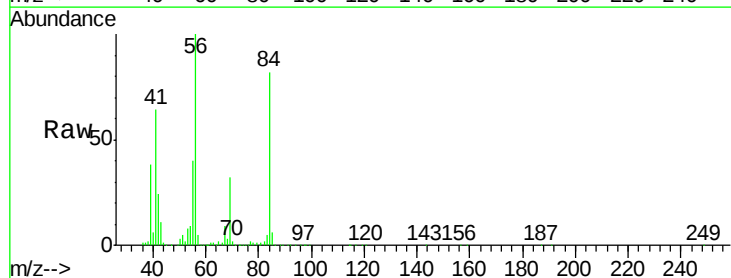
Manual Integrations
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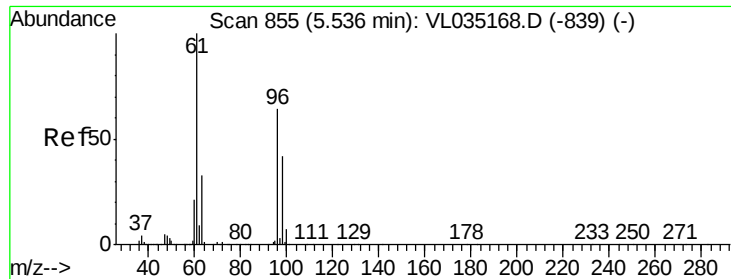
MMDadoda
7/23/2020 2:59:57 PM



#30
Cyclohexane
Concen: 11.249 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 84 Resp: 935710
Ion Ratio Lower Upper
84 100
56 134.5 105.6 158.4
41 81.6 64.9 97.3





#31

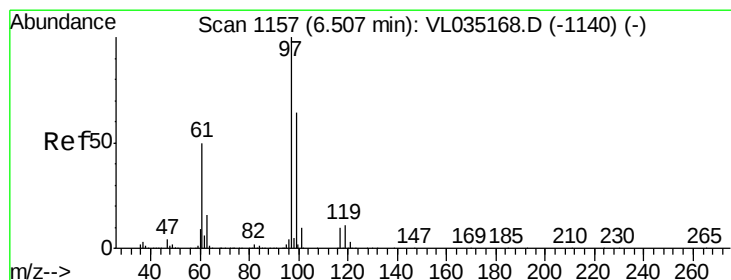
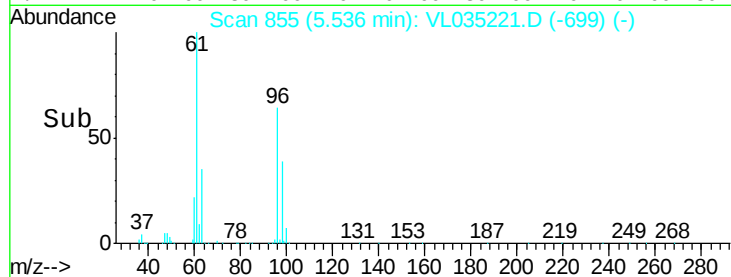
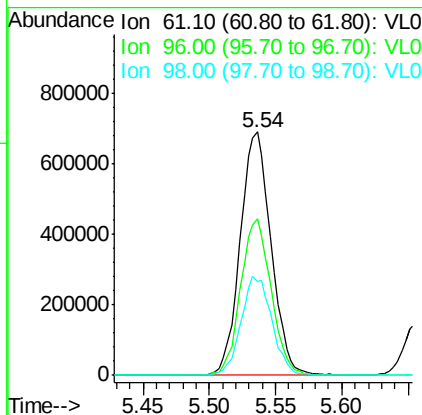
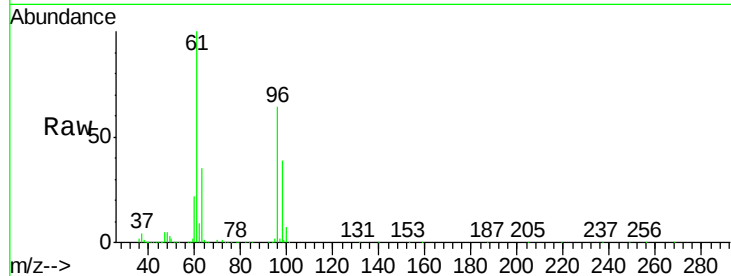
cis-1,2-Dichloroethene
Concen: 10.518 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.4	51.3	76.9
98	38.7	33.8	50.8

Manual Integrations
APPROVED

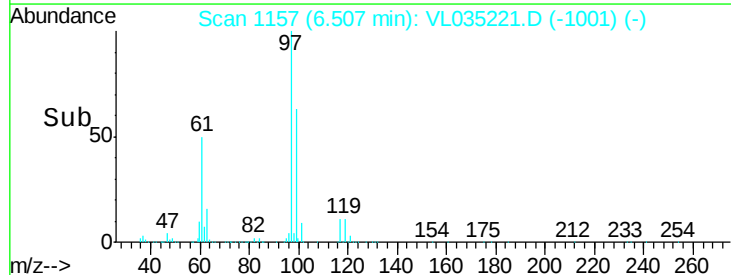
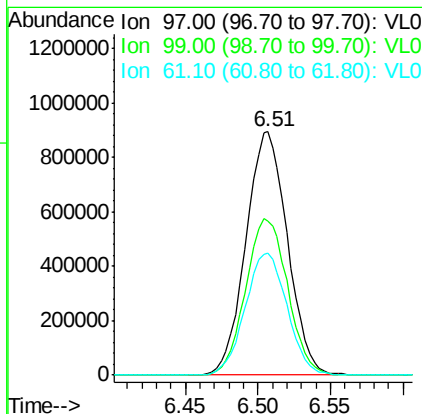
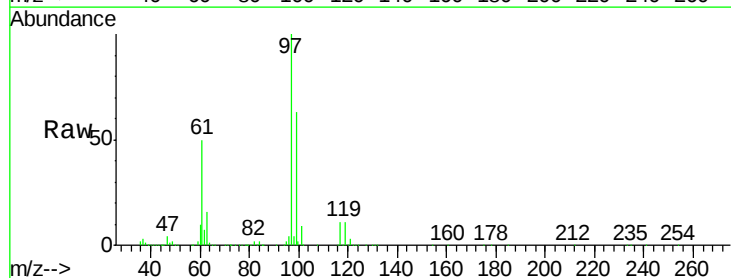
MMDadoda
7/23/2020 2:59:57 PM

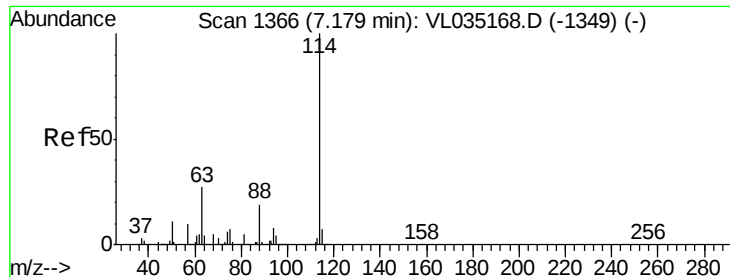


#32

1,1,1-Trichloroethane
Concen: 9.425 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	50.8	40.9	61.3





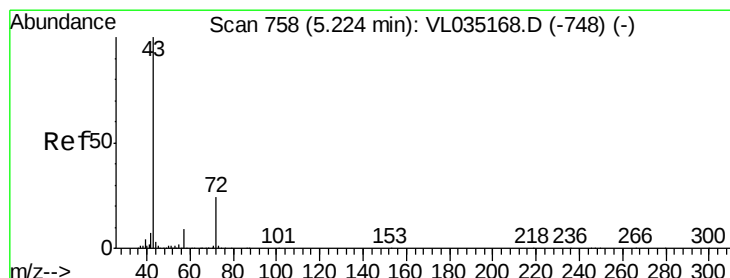
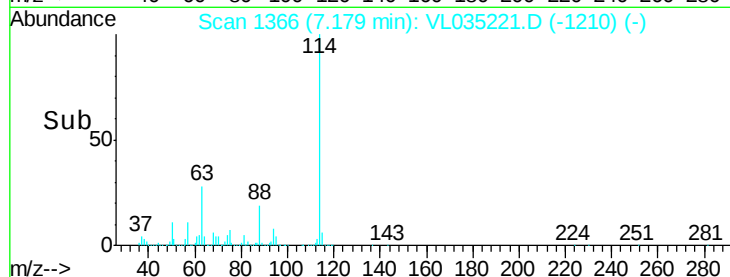
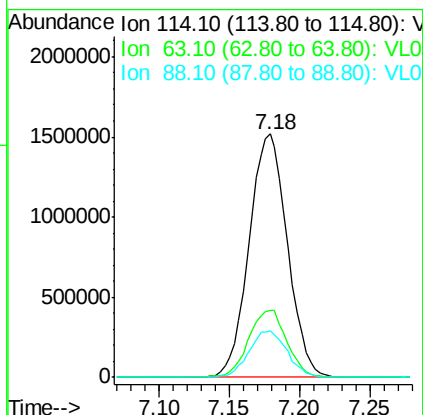
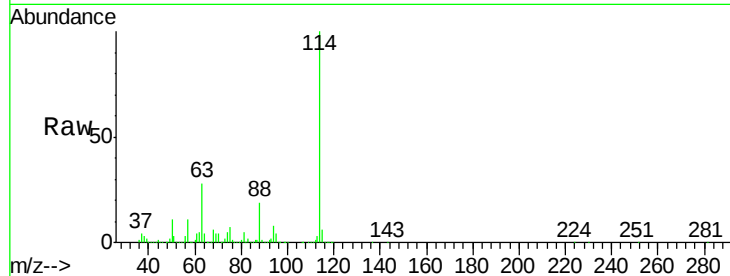
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 2876570
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.0 33.0
 88 19.0 15.4 23.0

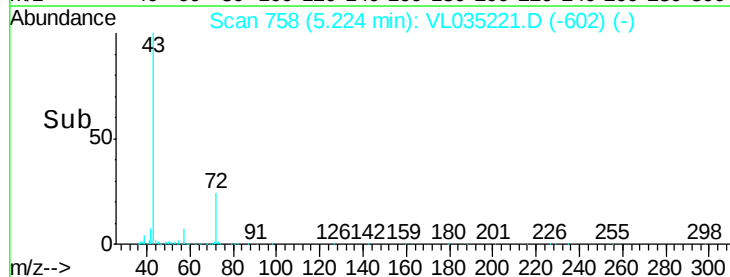
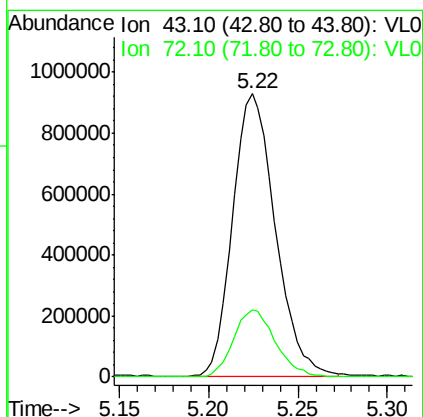
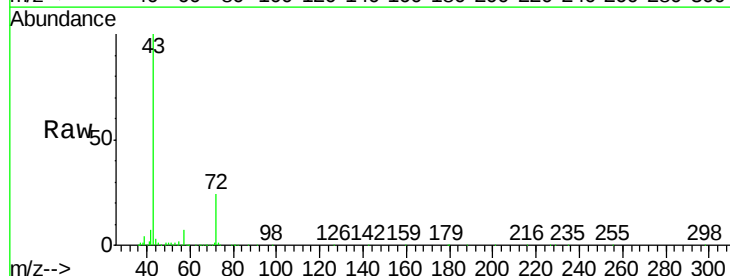
Manual Integrations
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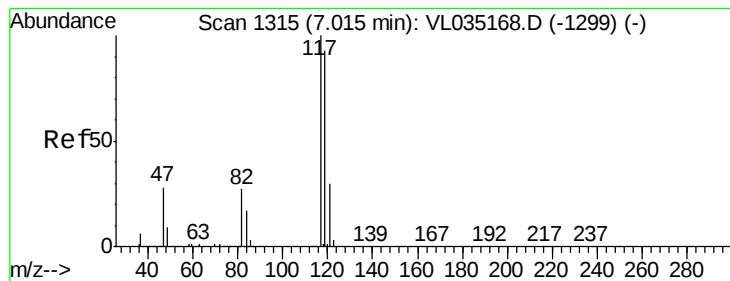
MMDadoda
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#34
 2-Butanone
 Concen: 10.091 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion: 43 Resp: 1549355
 Ion Ratio Lower Upper
 43 100
 72 23.6 18.6 28.0





#35

Carbon Tetrachloride

Concen: 9.858 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1840676

Ion Ratio Lower Upper

117 100

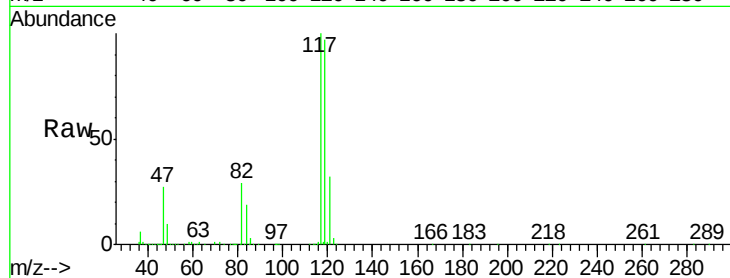
119 96.4 74.8 112.2

121 31.6 24.2 36.2

Manual Integrations
APPROVED

MMDadoda

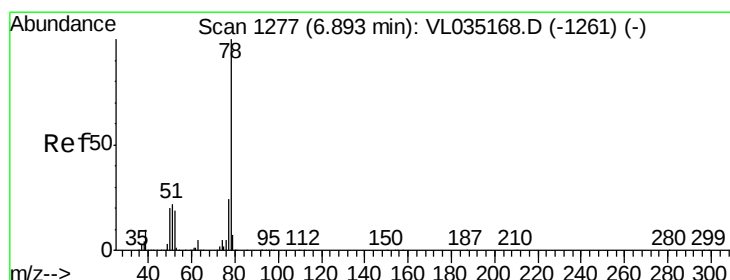
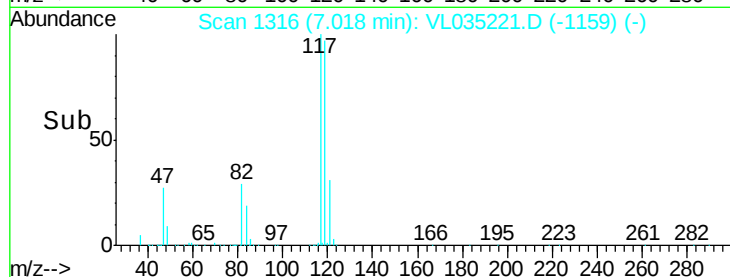
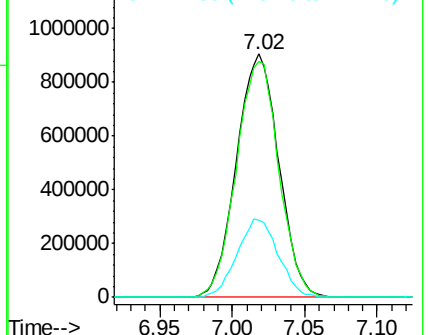
7/23/2020 2:59:57 PM



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: 10.669 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

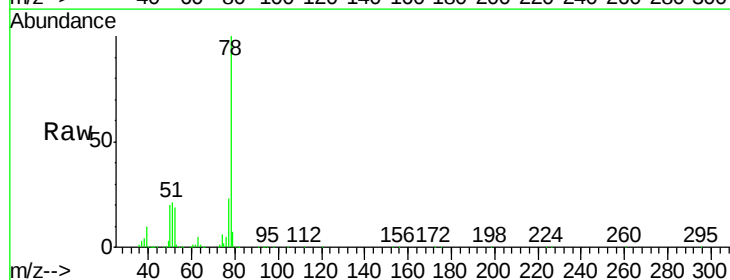
Tgt Ion: 78 Resp: 2221113

Ion Ratio Lower Upper

78 100

77 23.4 19.3 28.9

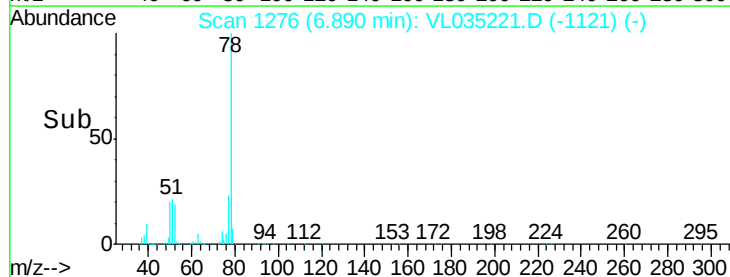
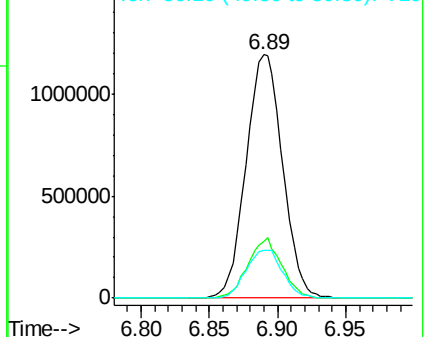
50 19.8 16.0 24.0

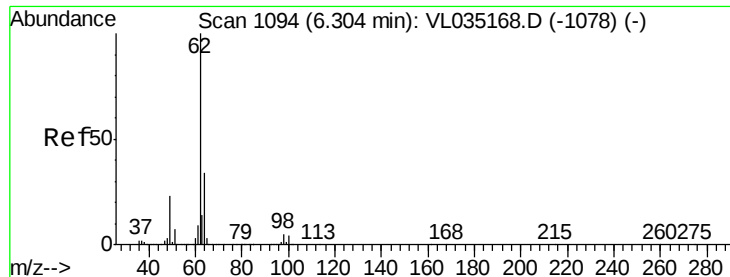


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





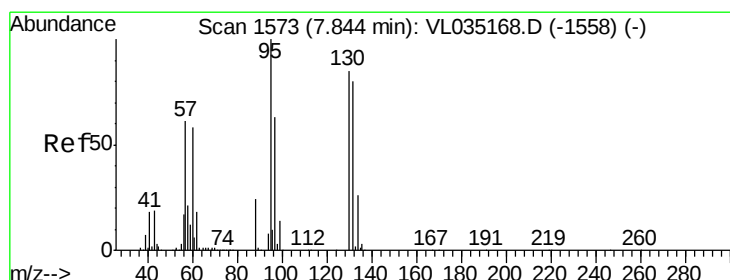
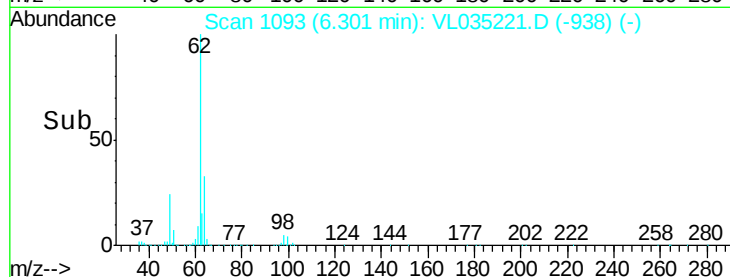
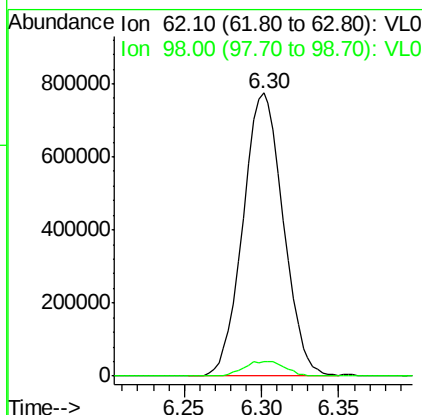
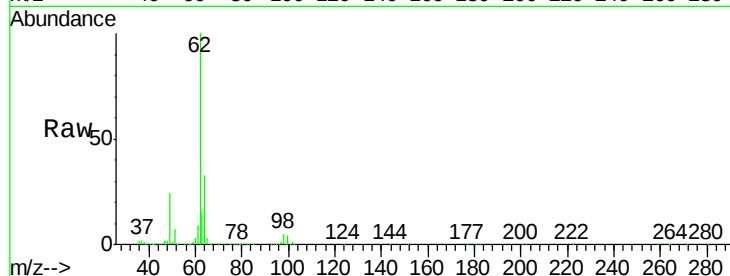
#37
 1,2-Dichloroethane
 Concen: 10.064 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.6	6.8

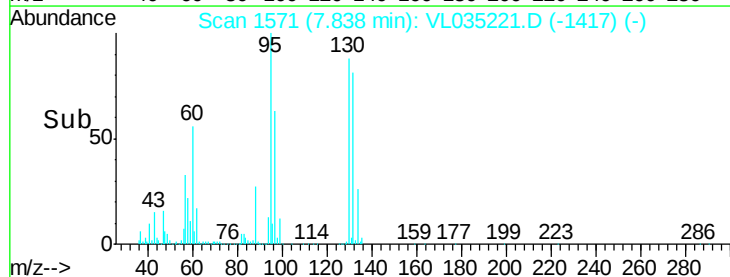
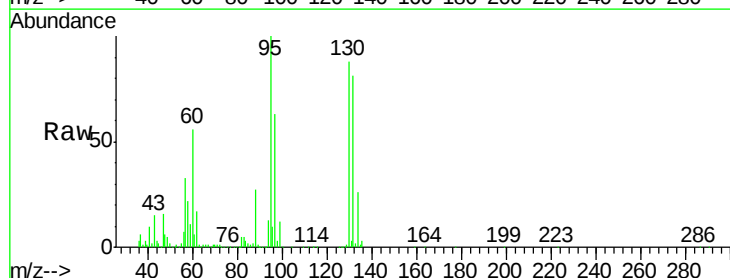
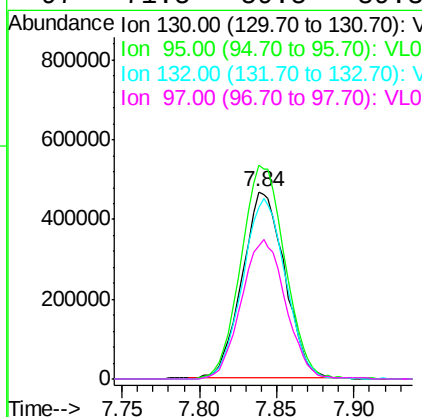
Manual Integrations
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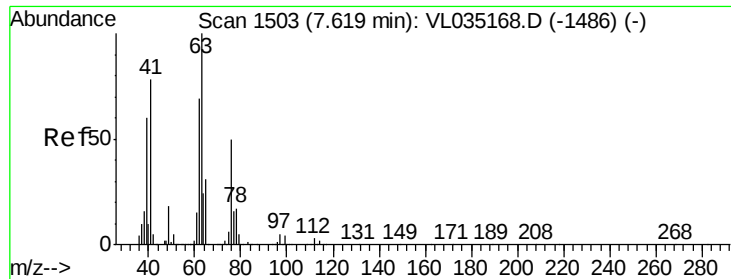
MMDadoda
 7/23/2020 2:59:57 PM



#38
 Trichloroethene
 Concen: 10.534 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.3	93.8	140.8
132	92.0	75.0	112.4
97	71.5	59.5	89.3





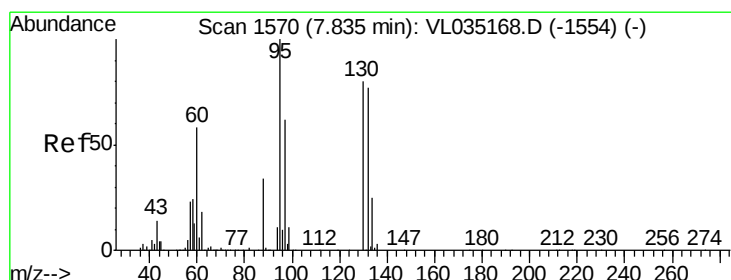
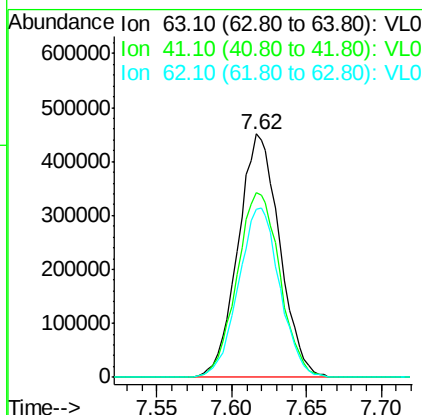
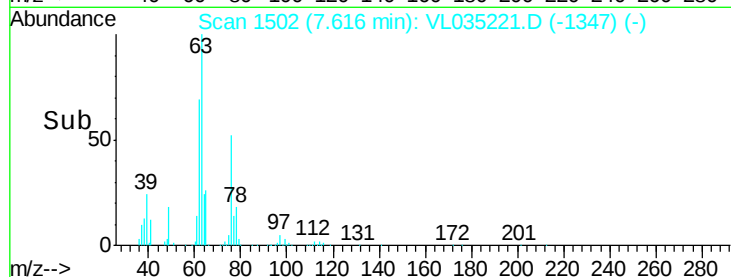
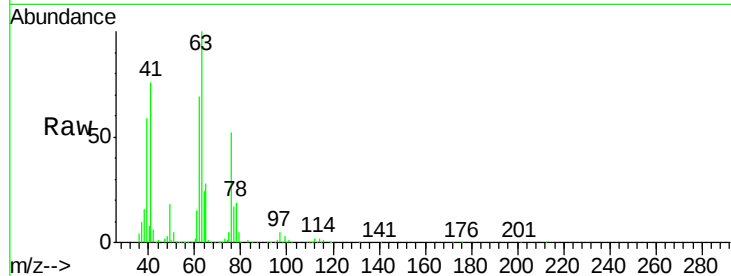
#39
 1,2-Dichloropropane
 Concen: 10.510 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	75.4	62.6	94.0
62	68.9	55.0	82.6

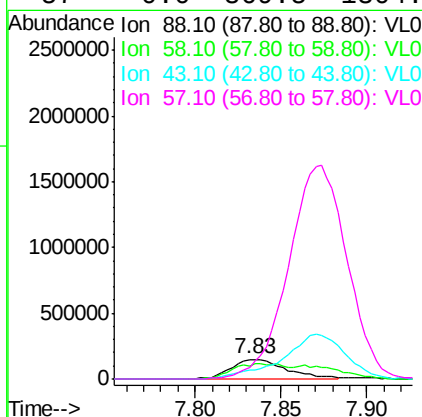
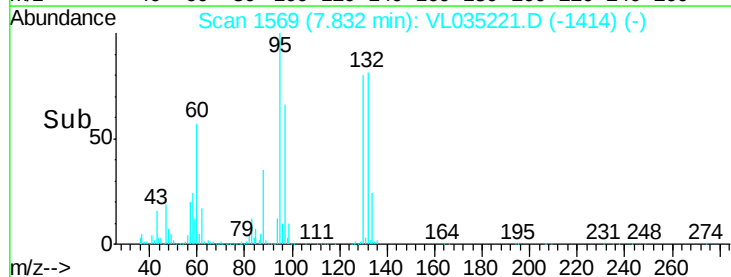
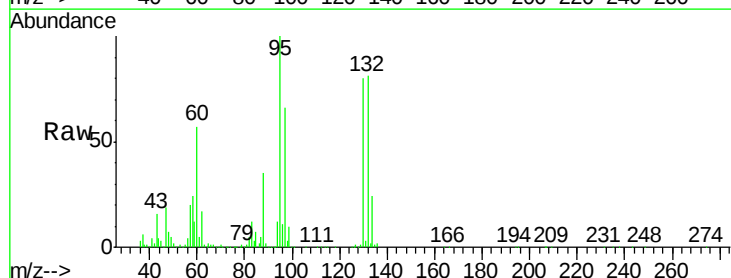
Manual Integrations
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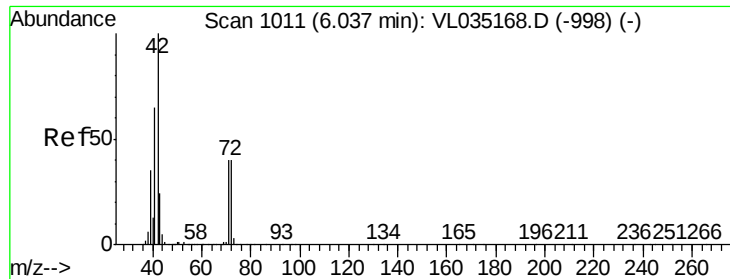
MMDadoda
 7/23/2020 2:59:57 PM



#40
 1,4-Dioxane
 Concen: 9.871 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	137.8	100.2	150.4
43	0.0	199.8	299.8#
57	0.0	869.5	1304.3#





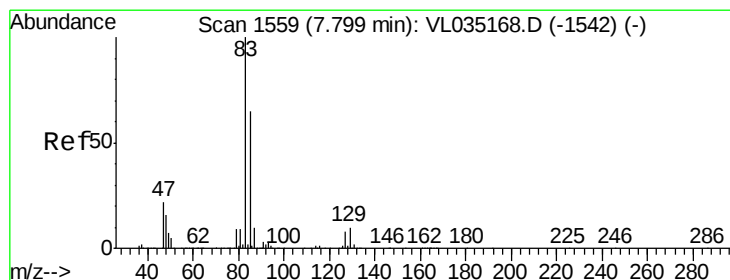
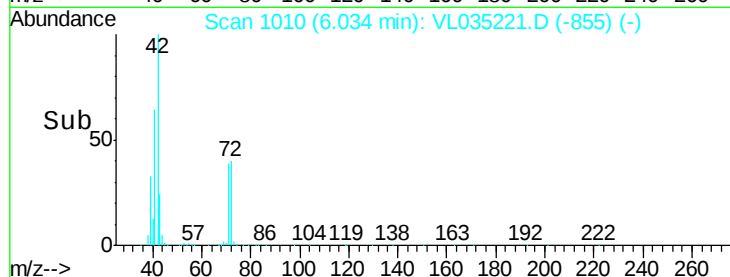
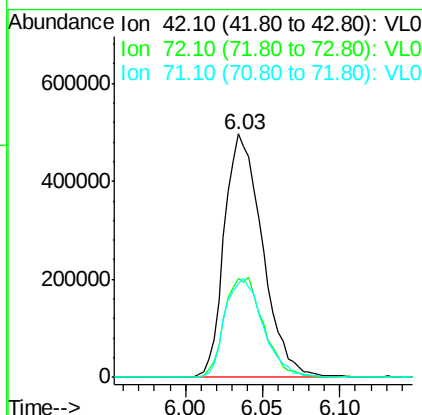
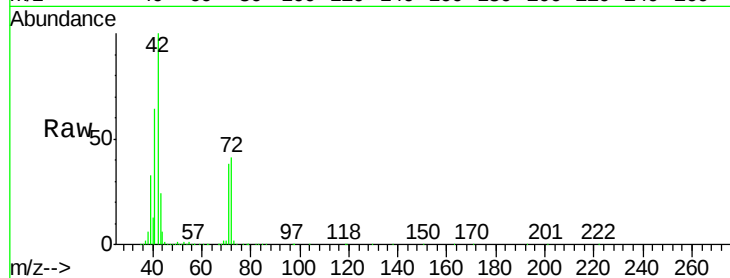
#41
Tetrahydrofuran
Concen: 11.060 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.4	50.2
71	40.8	31.9	47.9

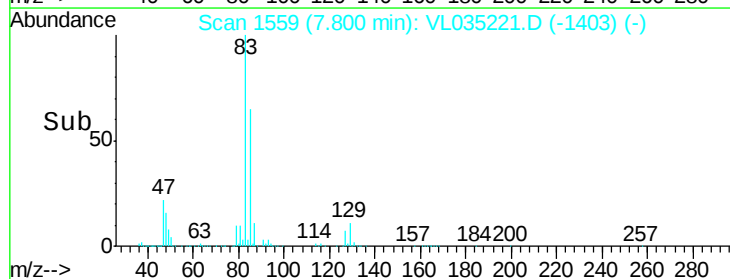
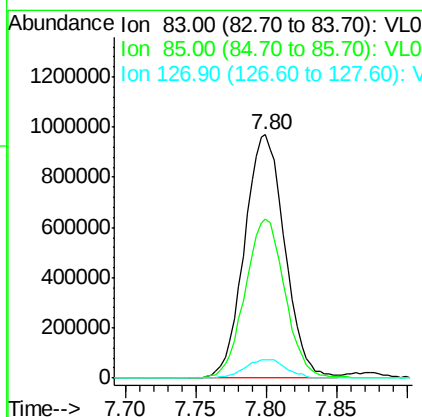
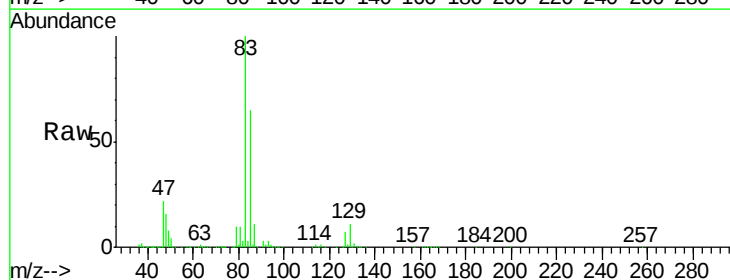
Manual Integrations
APPROVED

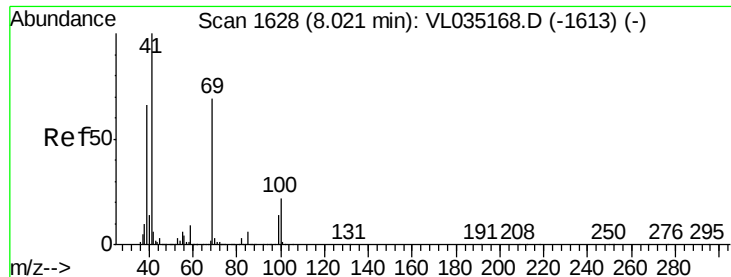
MMDadoda
7/23/2020 2:59:57 PM



#42
Bromodichloromethane
Concen: 10.383 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4
127	7.4	6.3	9.5





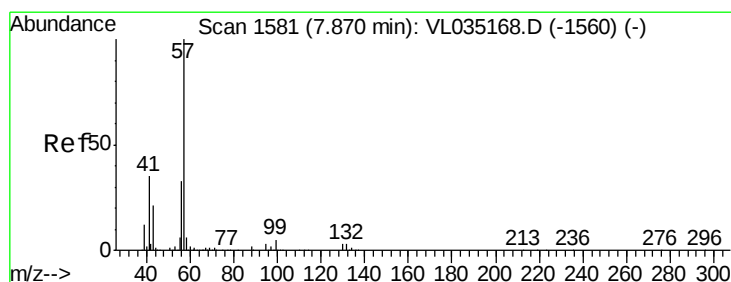
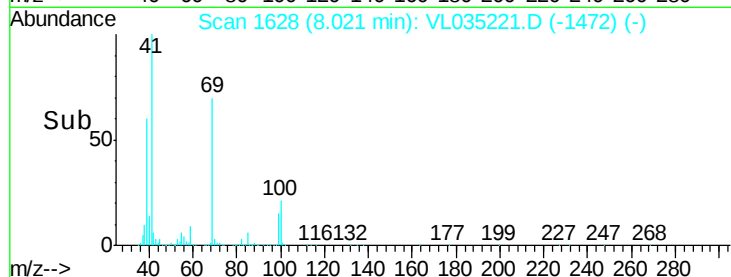
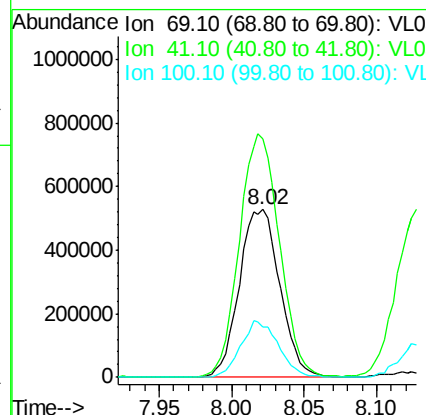
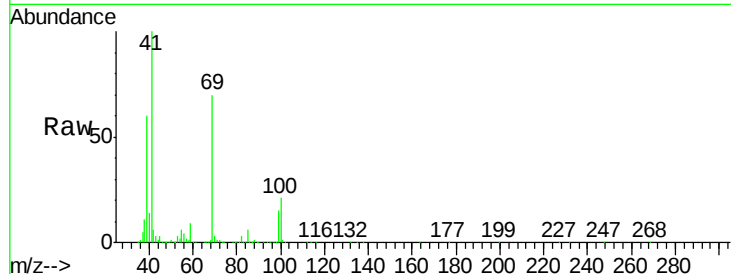
#43
Methvl Methacrylate
Concen: 11.684 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1028315
Ion Ratio Lower Upper
69 100
41 143.1 116.3 174.5
100 31.5 25.6 38.4

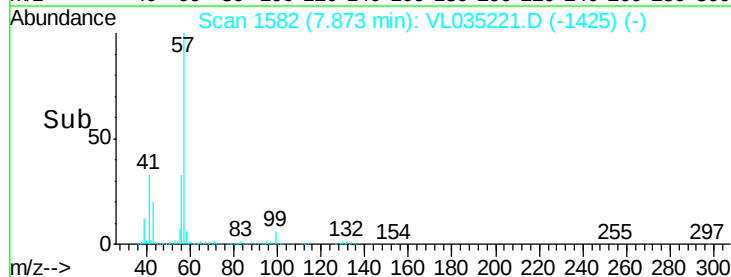
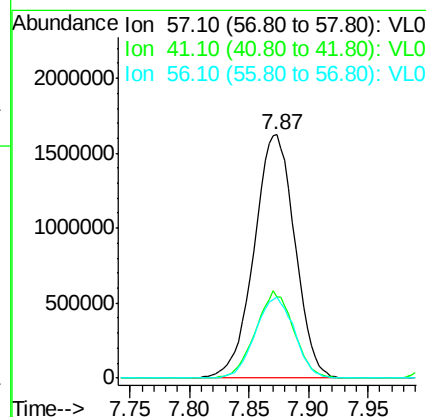
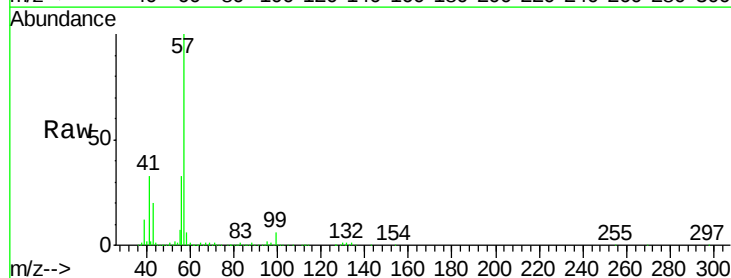
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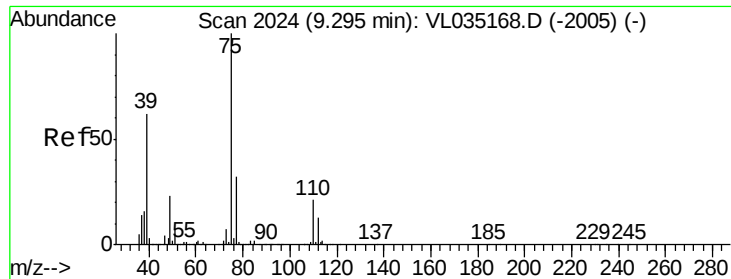
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.713 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 57 Resp: 3849817
Ion Ratio Lower Upper
57 100
41 33.5 27.0 40.6
56 32.1 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 12.325 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1139584

Ion Ratio Lower Upper

75 100

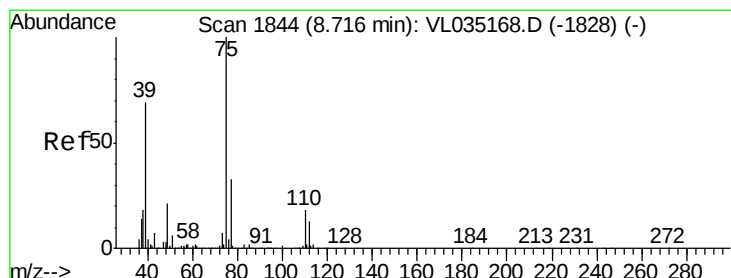
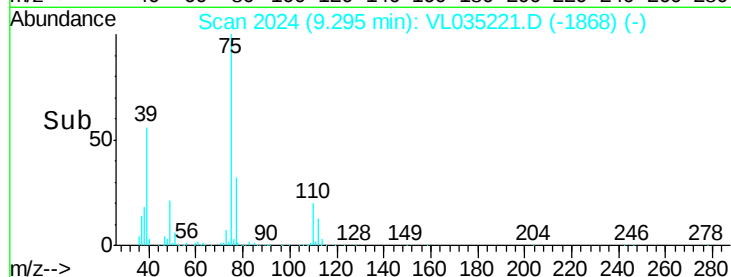
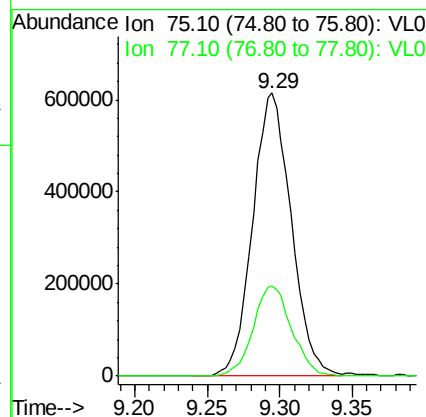
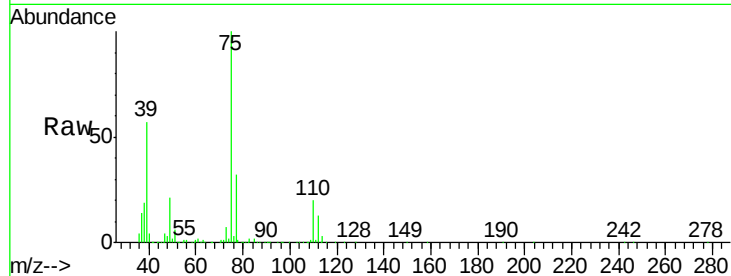
77 31.7 25.8 38.8

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#46

cis-1,3-Dichloropropene

Concen: 12.326 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

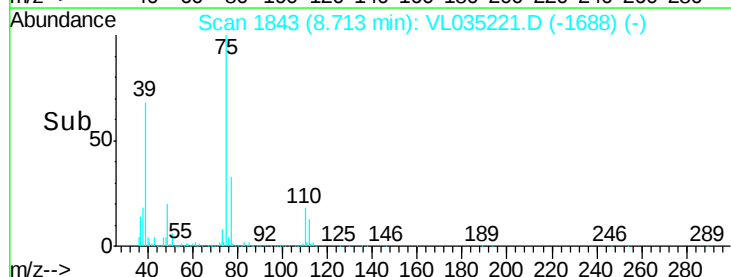
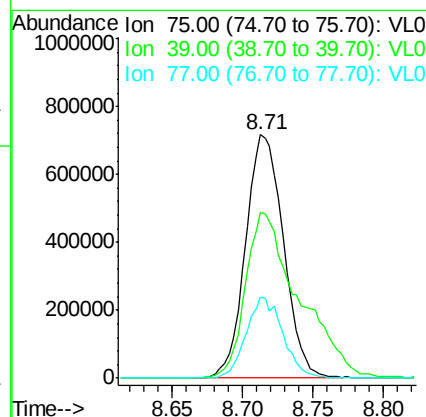
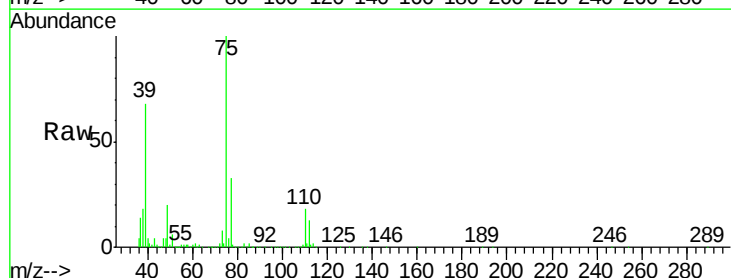
Tgt Ion: 75 Resp: 1351101

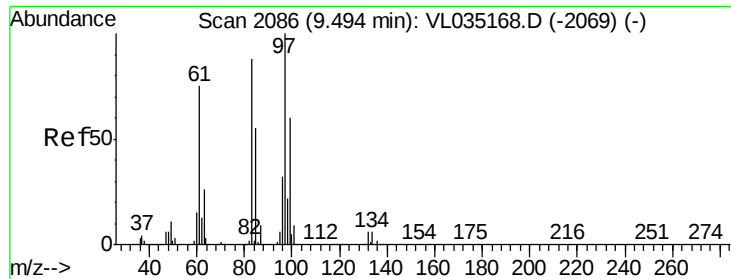
Ion Ratio Lower Upper

75 100

39 67.9 55.2 82.8

77 33.2 26.0 39.0





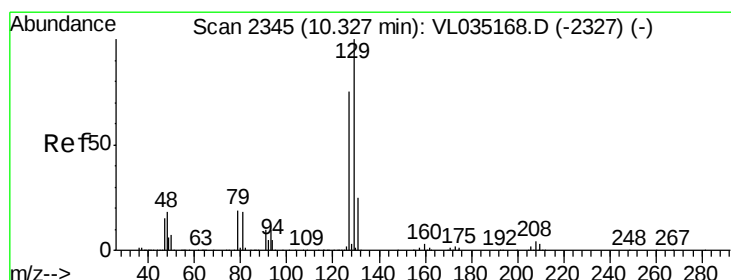
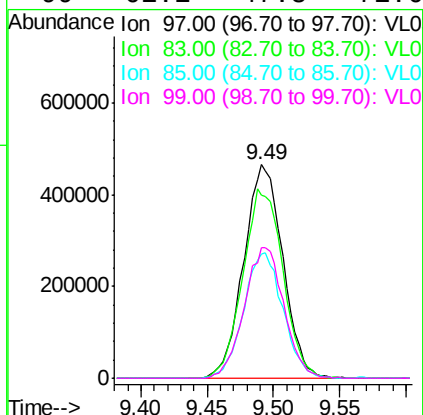
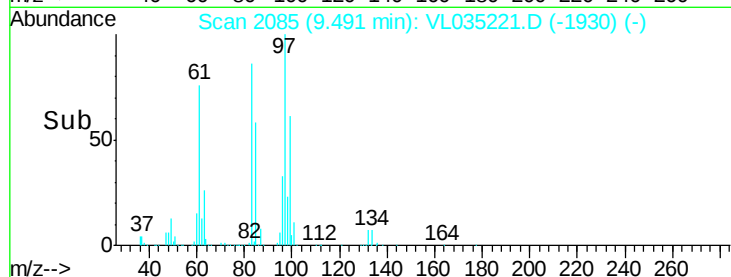
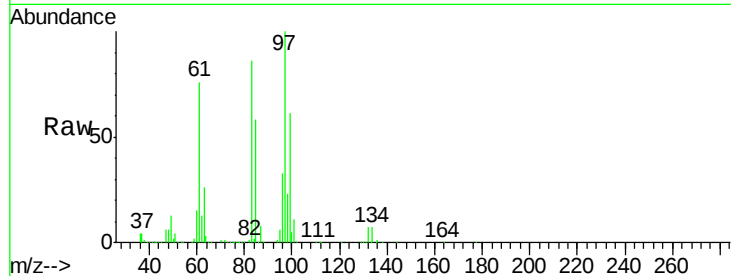
#47
 1,1,2-Trichloroethane
 Concen: 10.548 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	97	Resp:	955912
Ion Ratio	Lower	Upper	
97	100		
83	85.6	70.3	105.5
85	57.9	44.3	66.5
99	61.1	47.8	71.6

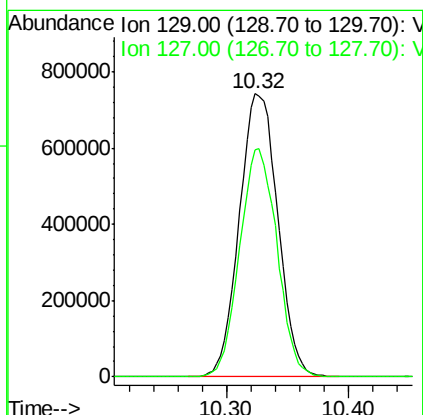
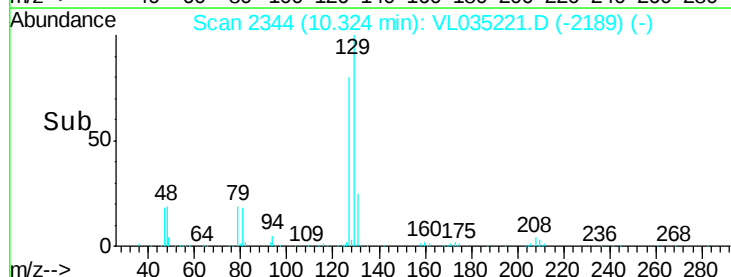
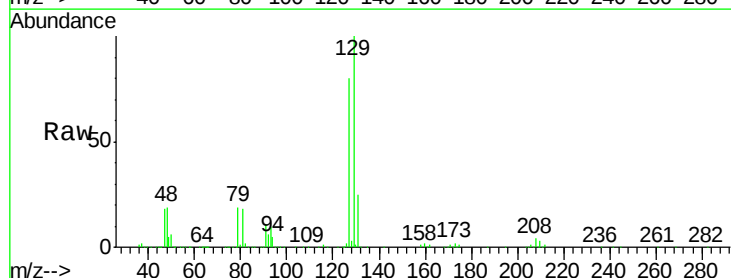
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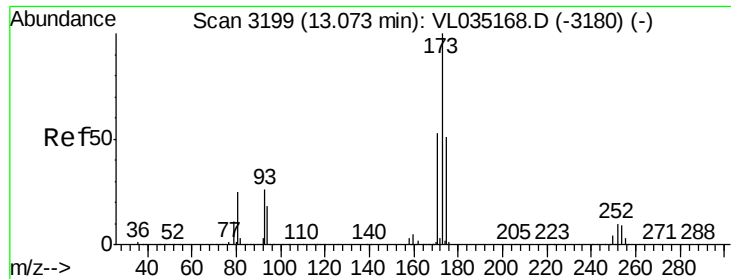
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#48
 Dibromochloromethane
 Concen: 10.961 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion:	129	Resp:	1616215
Ion Ratio	Lower	Upper	
129	100		
127	78.3	38.8	116.3





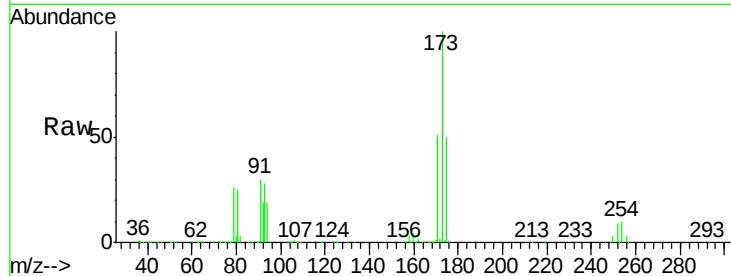
#49
Bromoform
Concen: 11.315 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

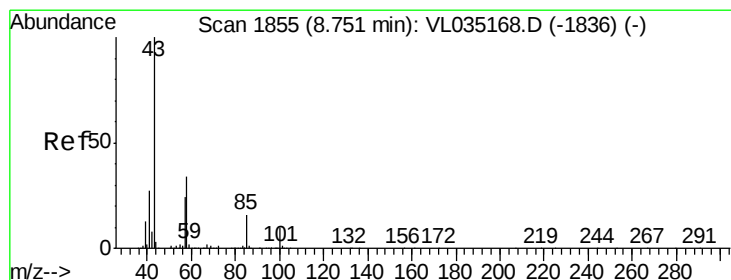
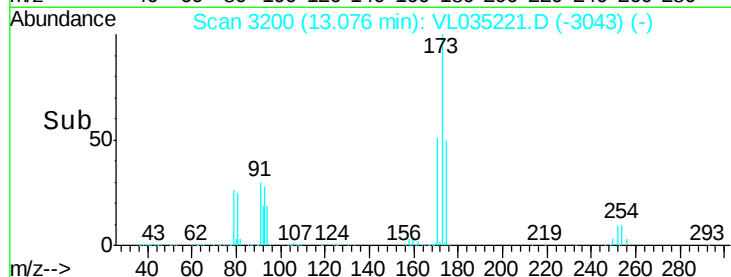
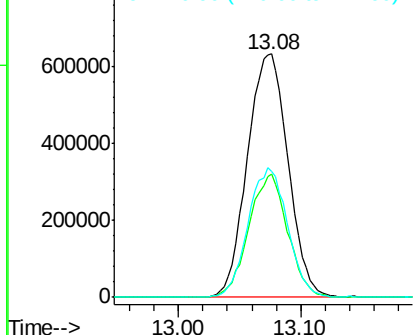
Tot Ion:173 Resp: 1459477
Ion Ratio Lower Upper
173 100
175 48.5 39.7 59.5
171 51.8 41.6 62.4

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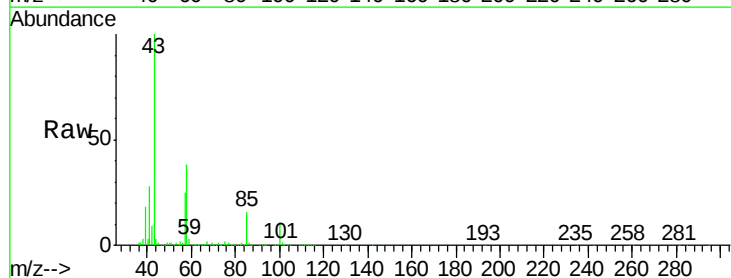


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

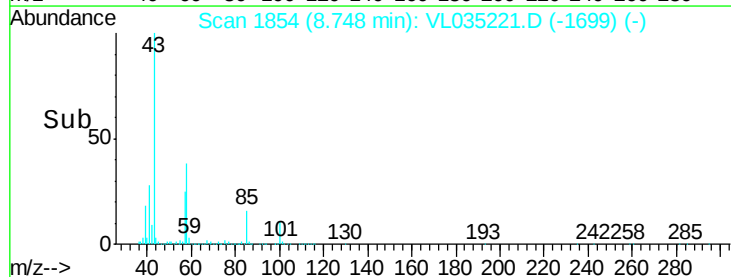
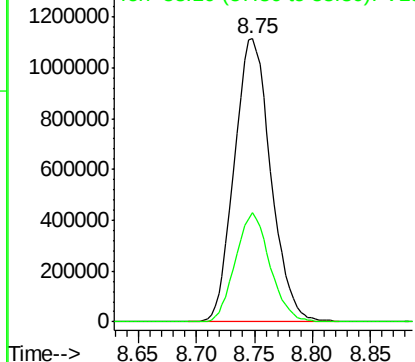


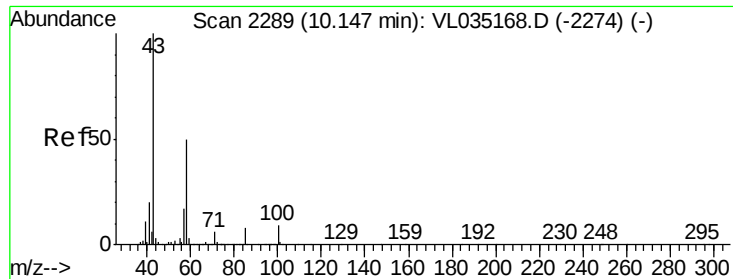
#50
4-Methyl-2-Pentanone
Concen: 11.030 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 43 Resp: 2430381
Ion Ratio Lower Upper
43 100
58 36.7 29.4 44.2



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





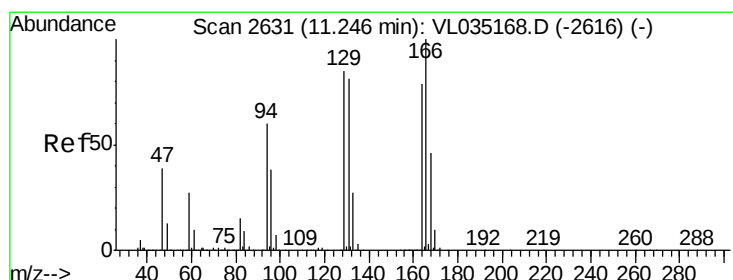
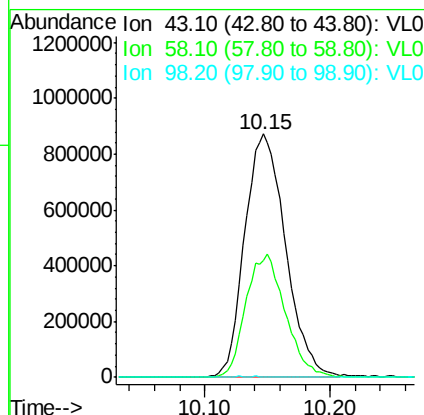
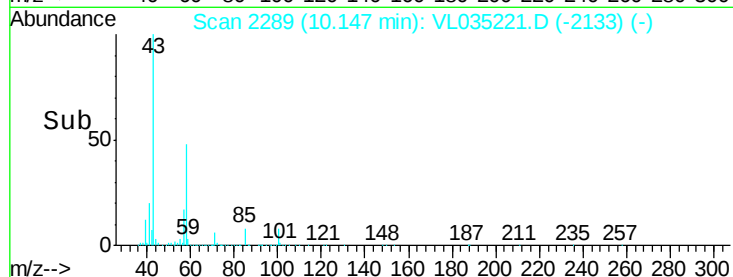
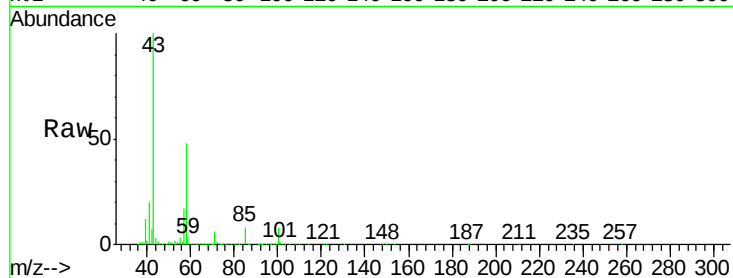
#51
2-Hexanone
Concen: 11.764 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1976605
Ion Ratio Lower Upper
43 100
58 49.1 39.4 59.0
98 0.6 0.3 0.5#

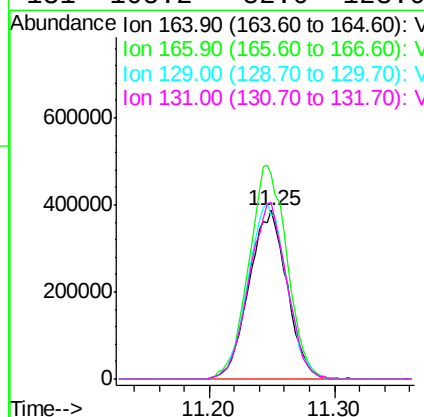
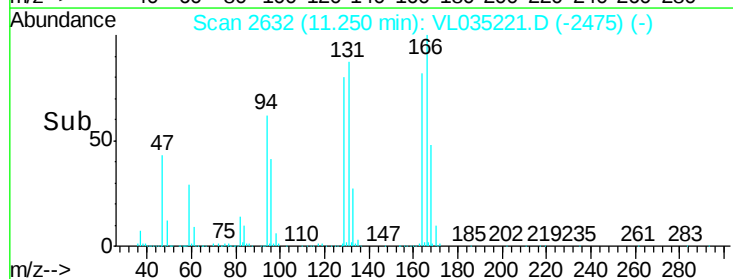
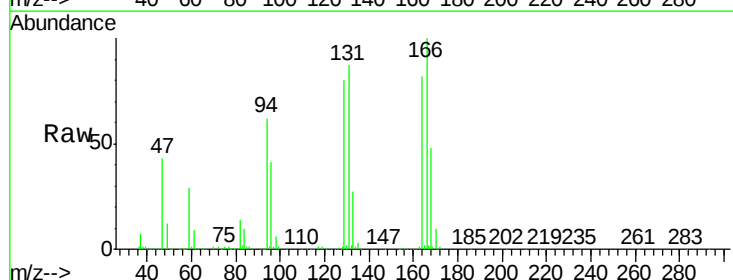
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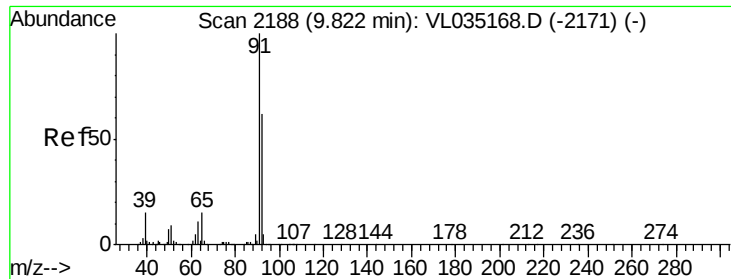
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#52
Tetrachloroethene
Concen: 10.450 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 164 Resp: 812631
Ion Ratio Lower Upper
164 100
166 121.4 100.7 151.1
129 97.3 85.8 128.6
131 105.2 82.0 123.0





#53

Toluene

Concen: 11.856 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2605006

Ion Ratio Lower Upper

91 100

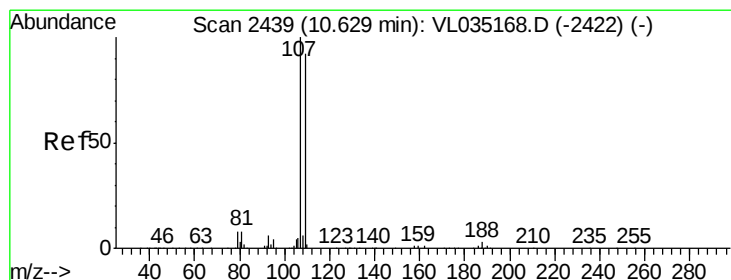
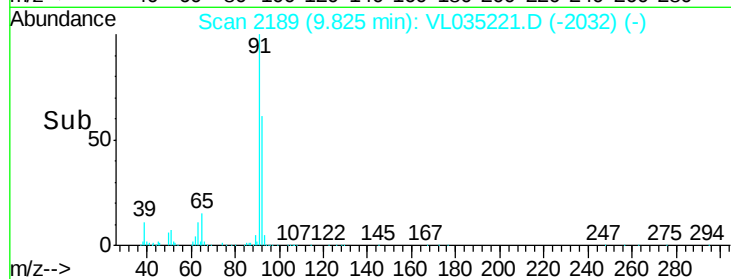
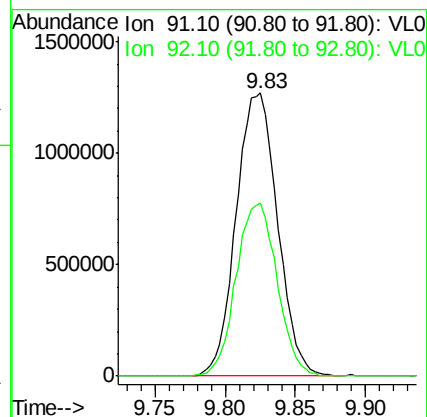
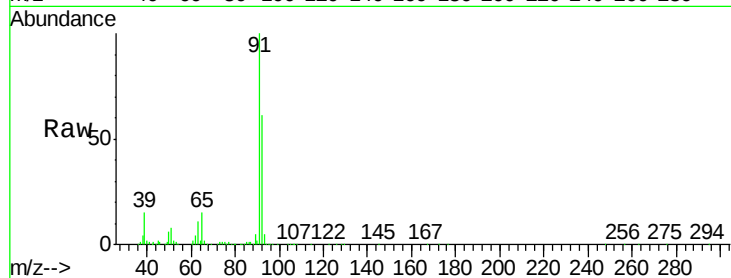
92 60.9 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 10.733 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035221.D

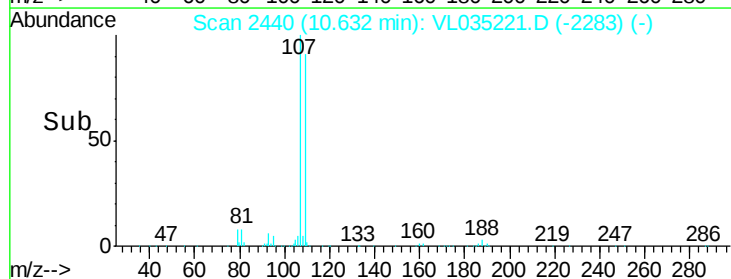
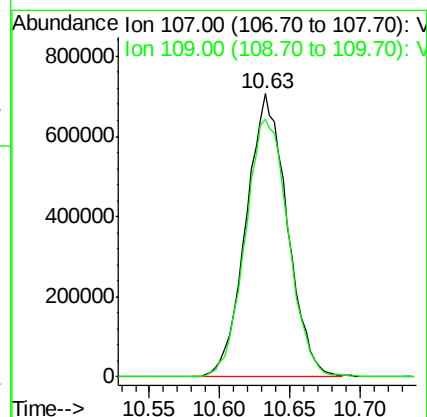
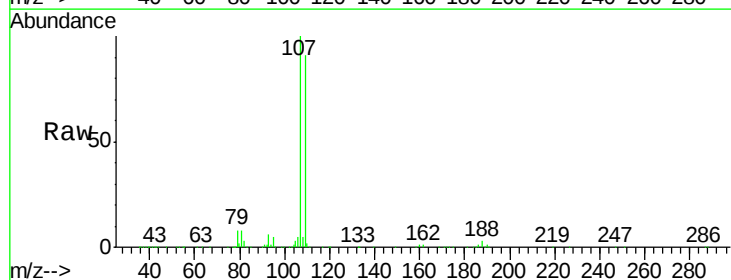
Acq: 21 Jul 2020 23:37

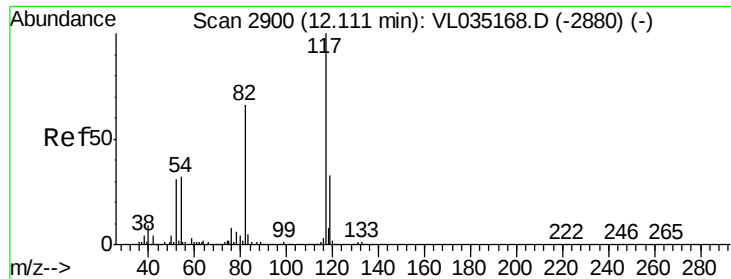
Tgt Ion: 107 Resp: 1443519

Ion Ratio Lower Upper

107 100

109 90.9 74.0 111.0





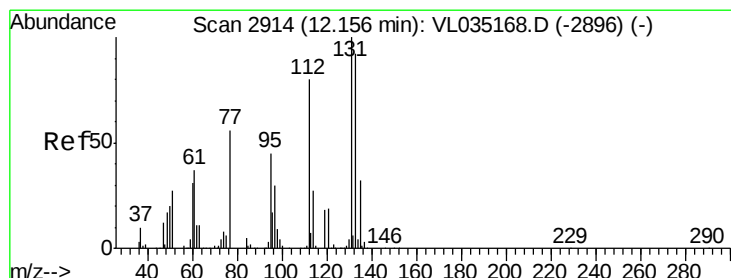
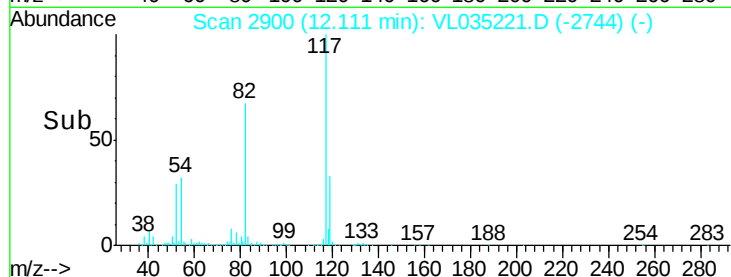
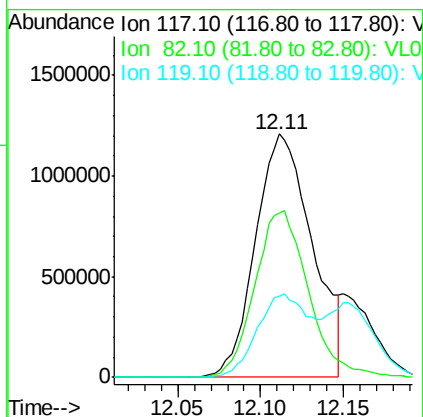
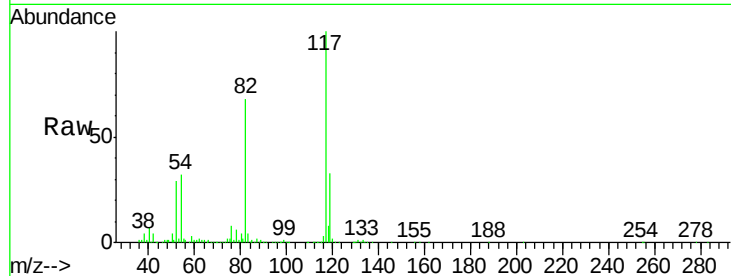
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2874692
Ion Ratio Lower Upper
117 100
82 65.1 52.3 78.5
119 31.1 24.9 37.3

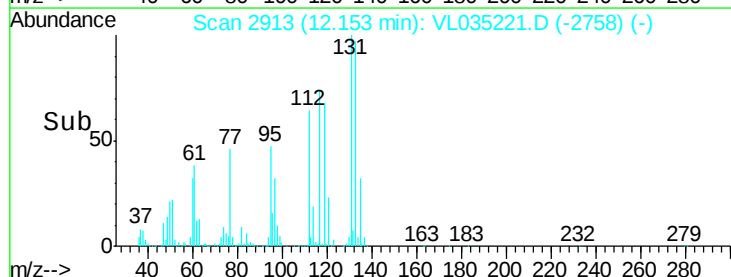
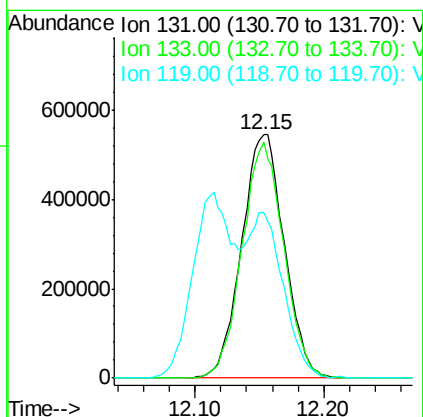
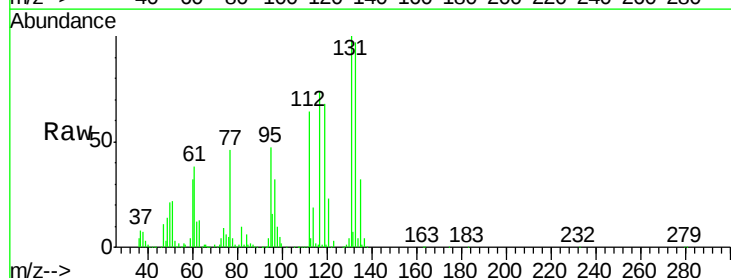
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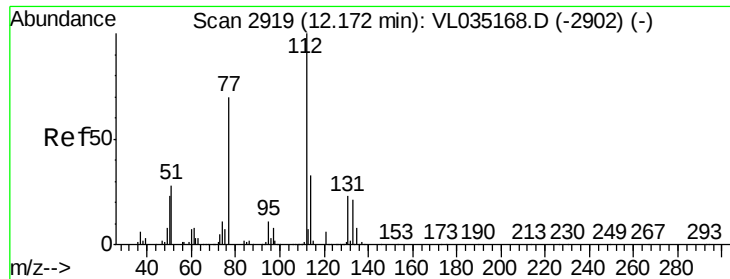
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.846 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion:131 Resp: 1254021
Ion Ratio Lower Upper
131 100
133 94.6 75.4 113.2
119 56.2 42.4 63.6





#57

Chlorobenzene

Concen: 9.688 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 2052558

Ion Ratio Lower Upper

112 100

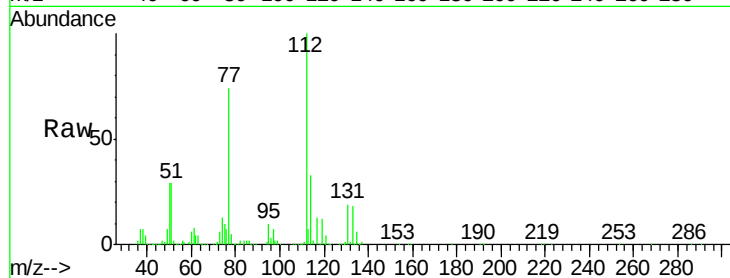
77 73.7 57.0 85.4

114 33.4 30.2 37.0

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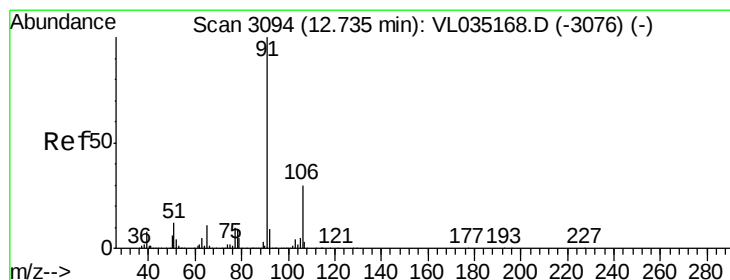
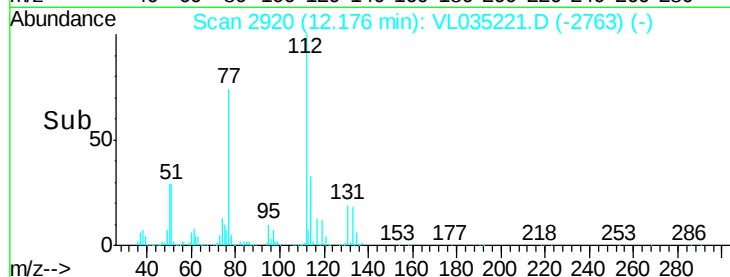
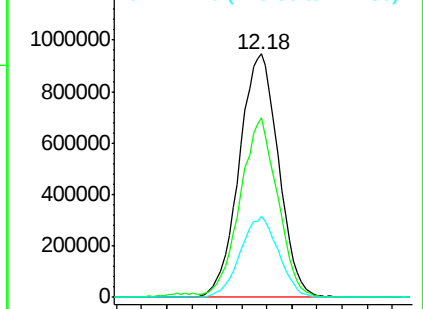
7/23/2020 2:59:57 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.118 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VL035221.D

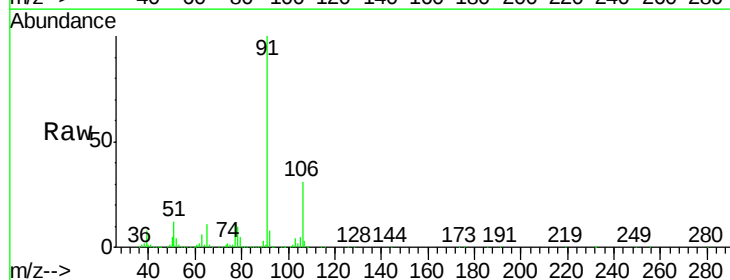
Acq: 21 Jul 2020 23:37

Tgt Ion: 91 Resp: 3532588

Ion Ratio Lower Upper

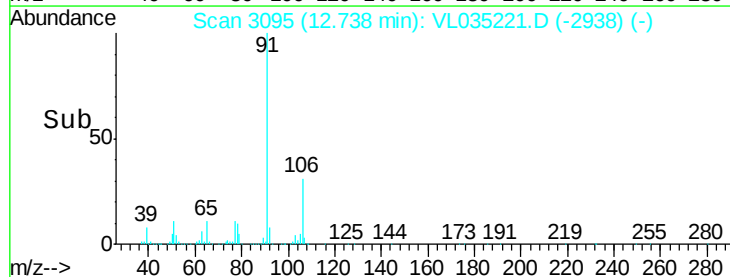
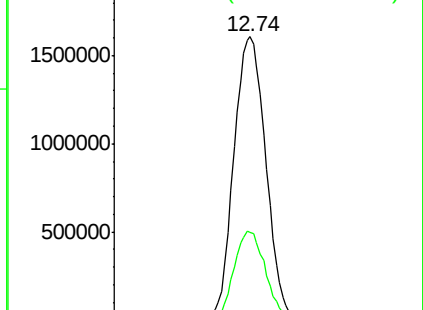
91 100

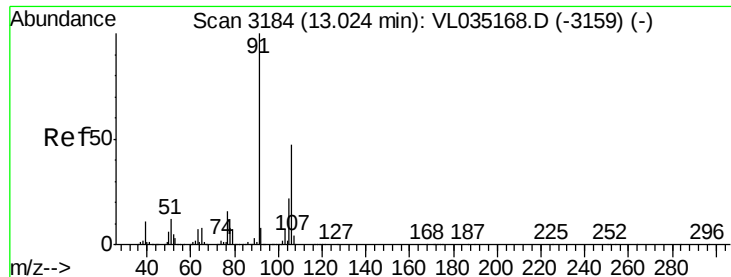
106 30.8 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





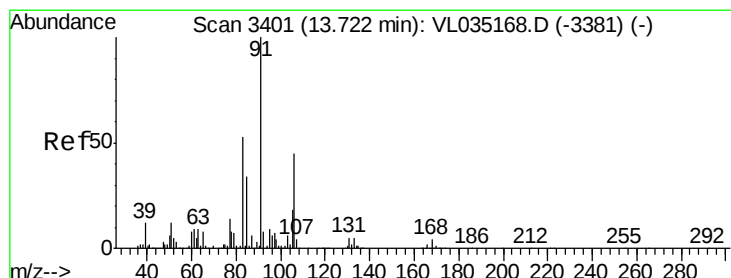
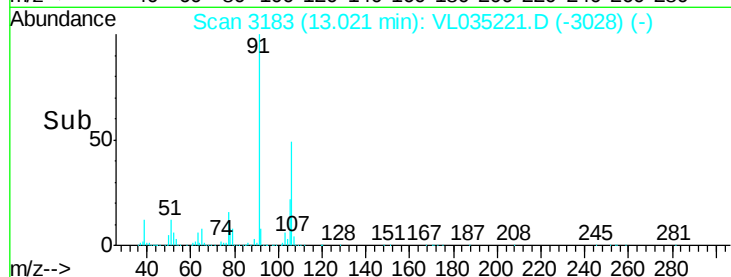
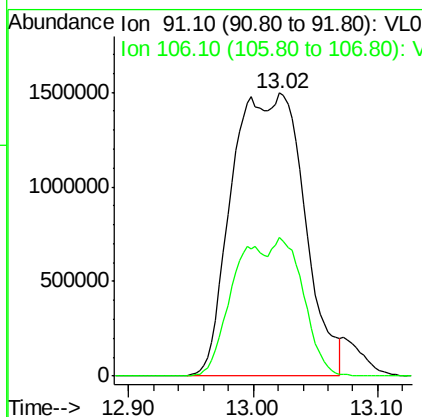
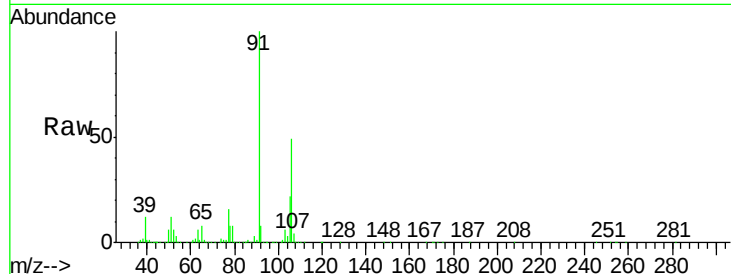
#59
m/p-Xylene
Concen: 21.246 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6016744
Ion Ratio Lower Upper
91 100
106 45.7 36.2 54.2

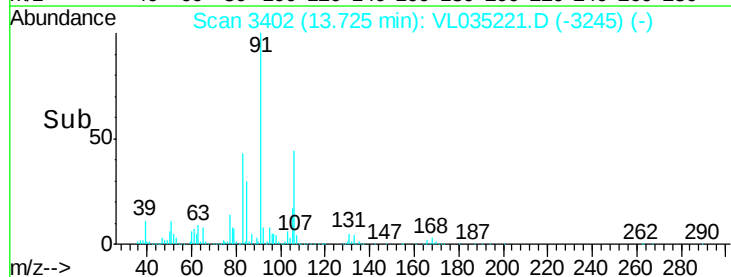
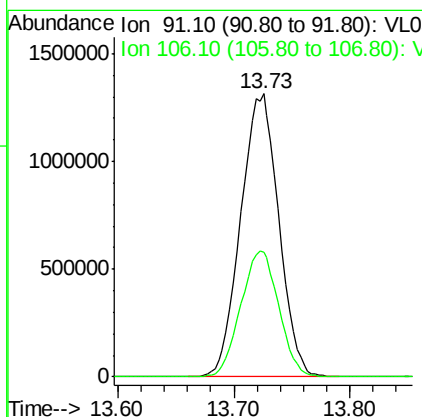
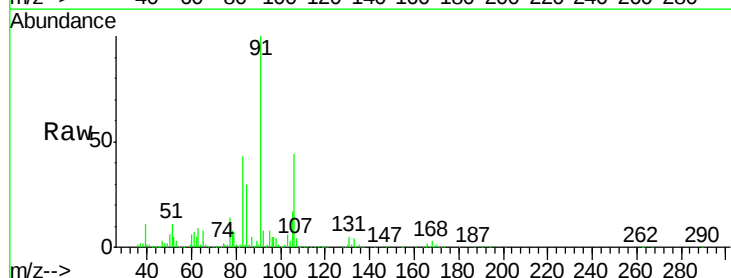
Manual Integrations
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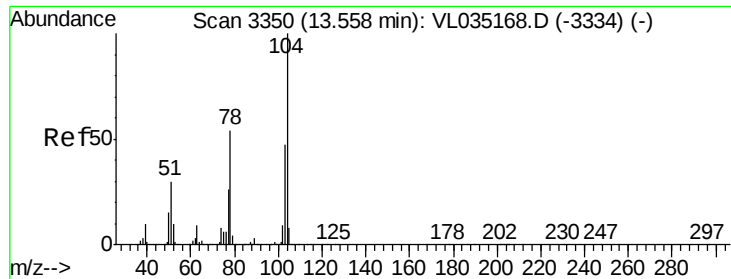
MMDadoda
7/23/2020 2:59:57 PM



#60
o-Xylene
Concen: 10.619 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 91 Resp: 3000261
Ion Ratio Lower Upper
91 100
106 44.4 22.1 66.3





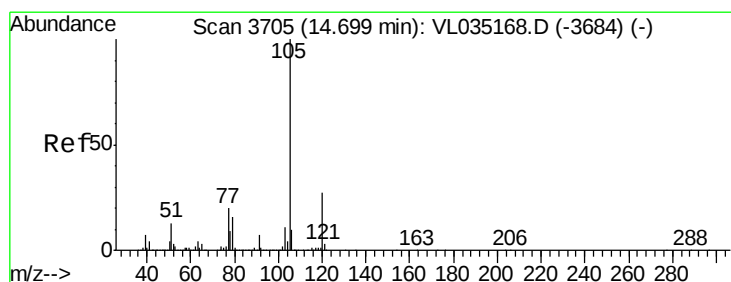
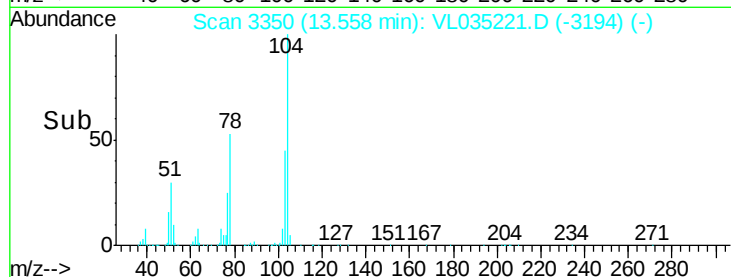
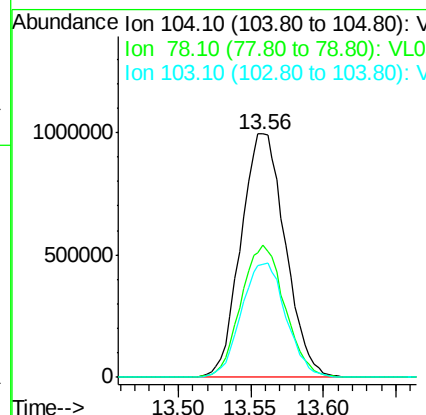
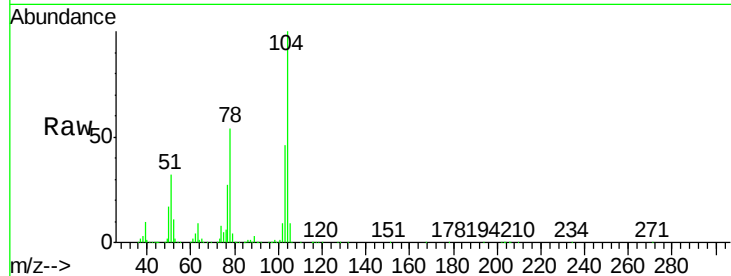
#61
Stvrene
Concen: 12.066 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.4	65.0
103	47.5	37.4	56.0

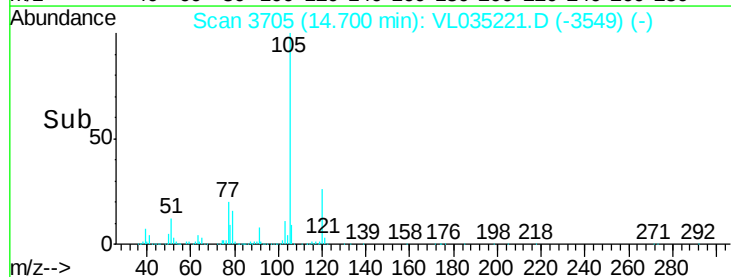
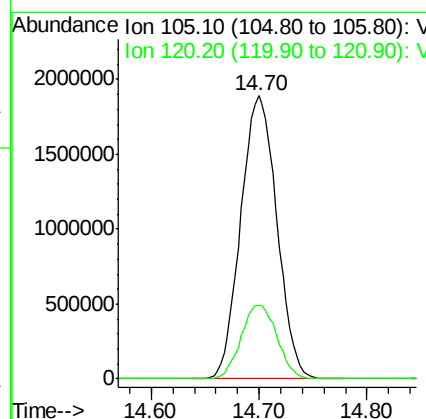
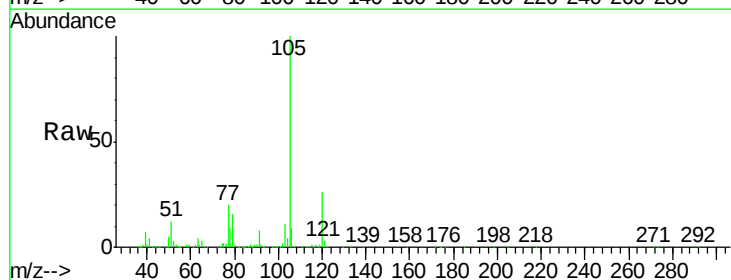
Manual Integrations
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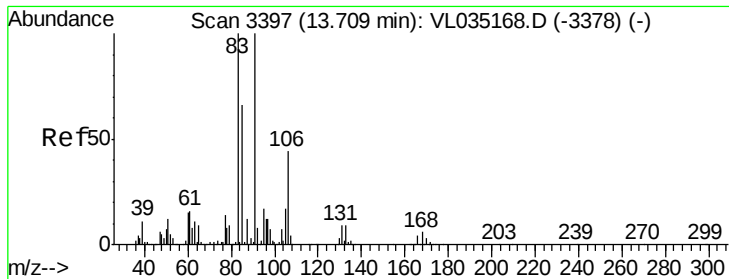
MMDadoda
7/23/2020 2:59:57 PM



#62
Isopropylbenzene
Concen: 10.526 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.7	31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 9.273 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2189288

Ion Ratio Lower Upper

83 100

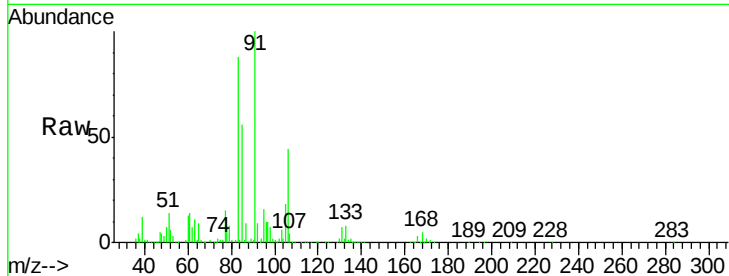
131 9.4 4.7 14.0

85 64.8 33.0 99.0

Manual Integrations
APPROVED

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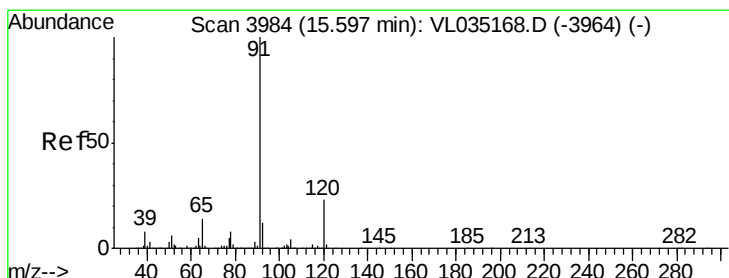
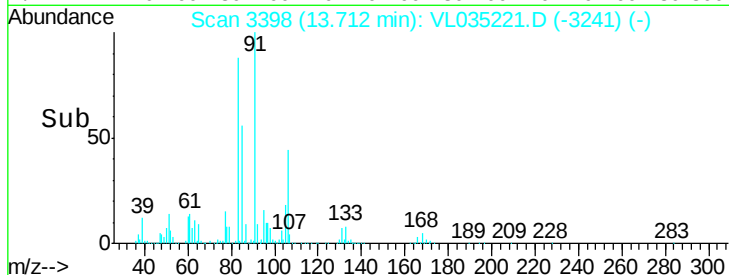
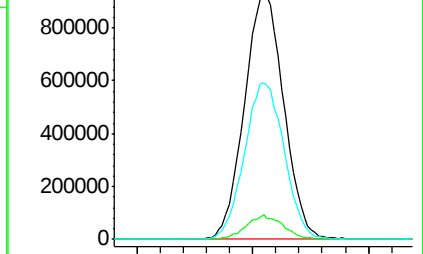
7/23/2020 2:59:57 PM



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: 10.885 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VL035221.D

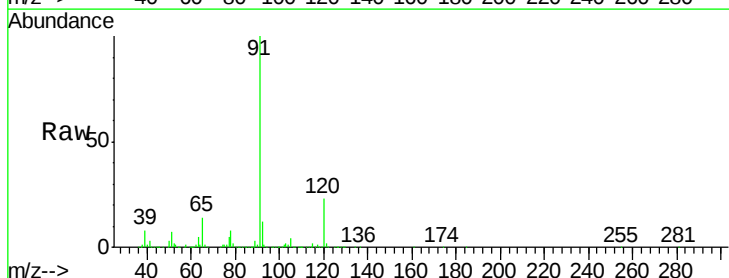
Acq: 21 Jul 2020 23:37

Tgt Ion:120 Resp: 1177577

Ion Ratio Lower Upper

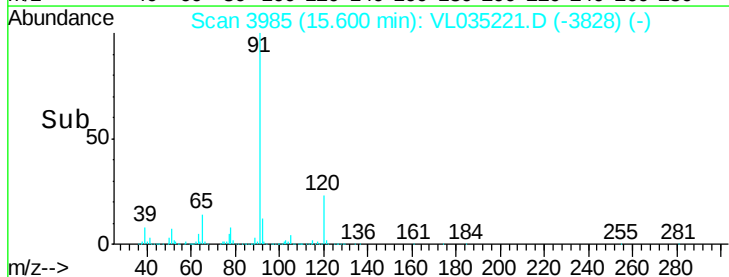
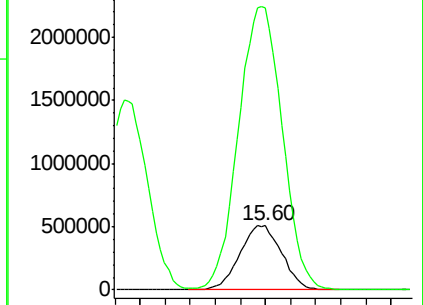
120 100

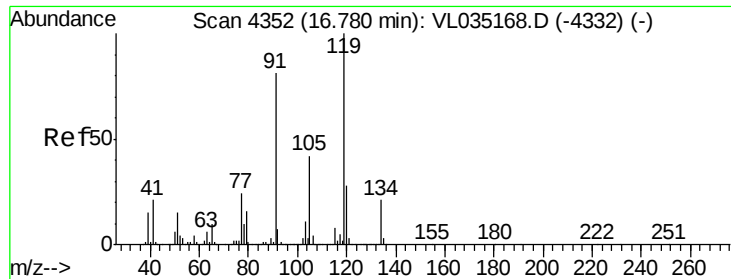
91 463.1 372.4 558.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 10.465 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 3936251

Ion Ratio Lower Upper

119 100

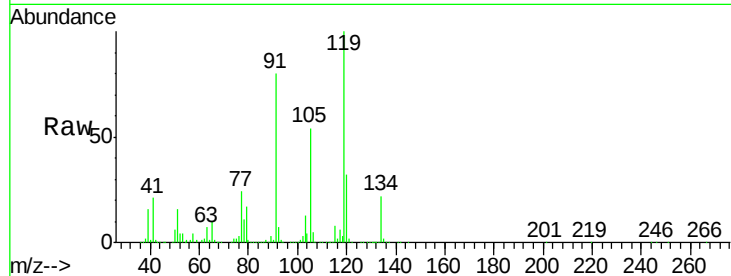
91 84.2 67.5 101.3

134 20.1 16.0 24.0

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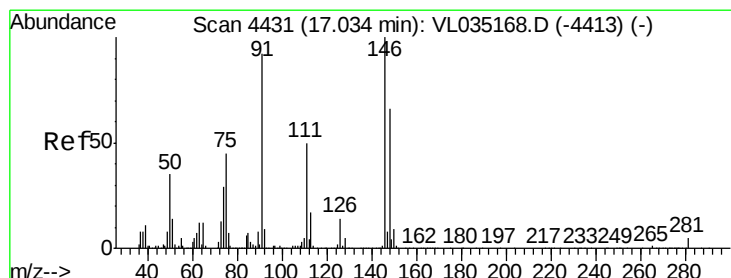
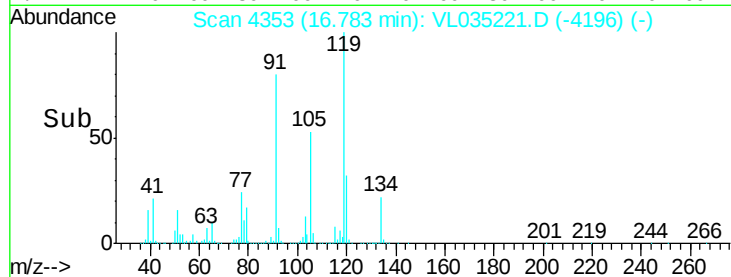
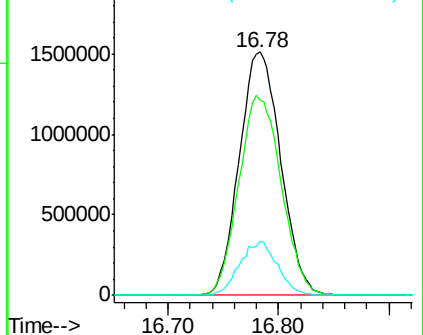
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.181 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

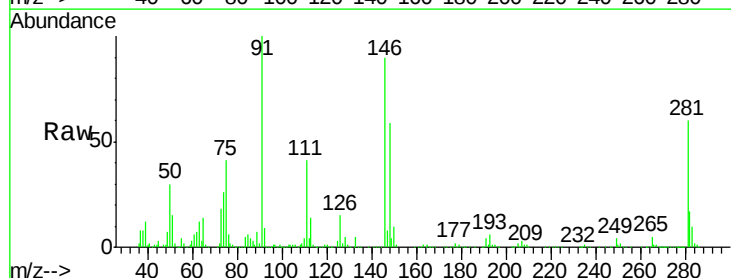
Tgt Ion: 91 Resp: 1632309

Ion Ratio Lower Upper

91 100

126 17.2 13.9 20.9

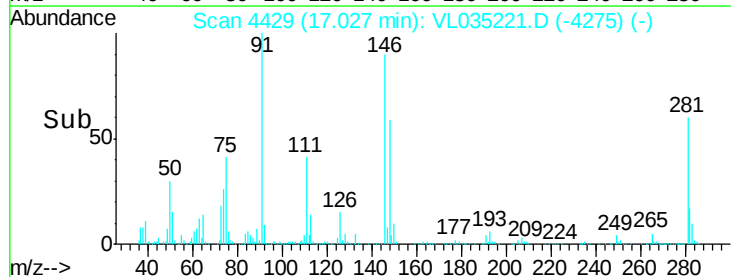
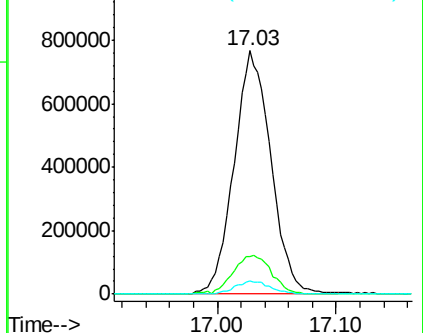
128 5.3 4.2 6.4

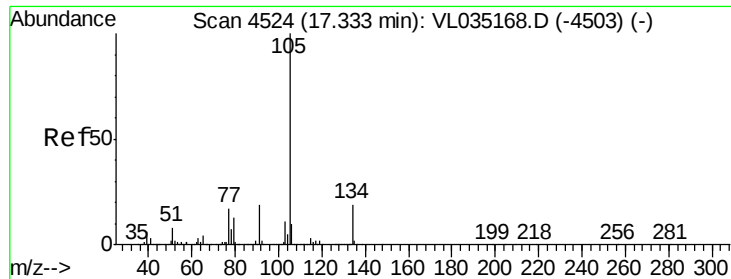


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.267 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5629895

Ion Ratio Lower Upper

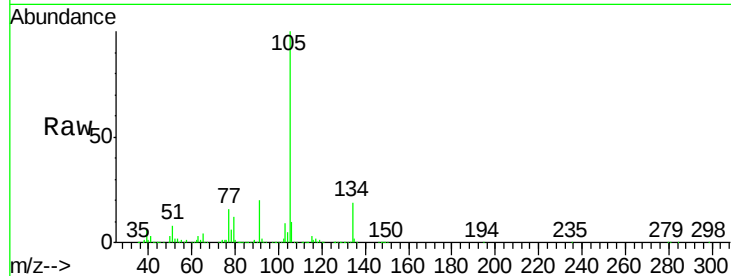
105 100

134 18.7 14.6 21.8

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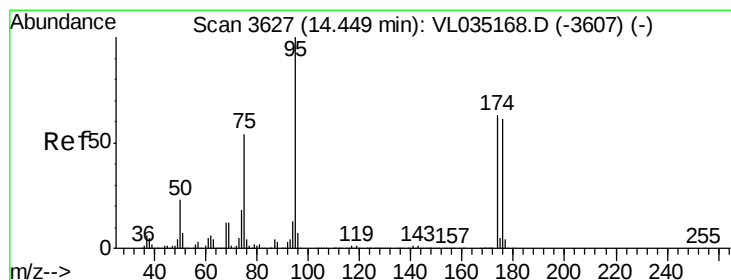
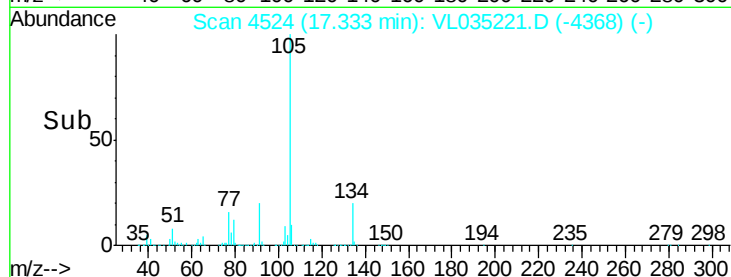
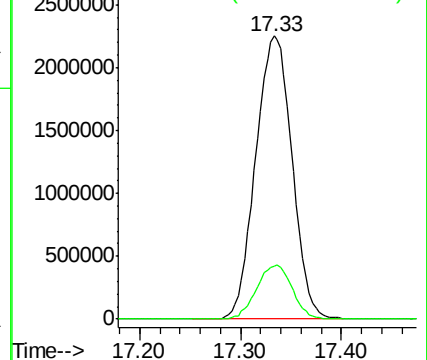
MMDadoda

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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: 9.642 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

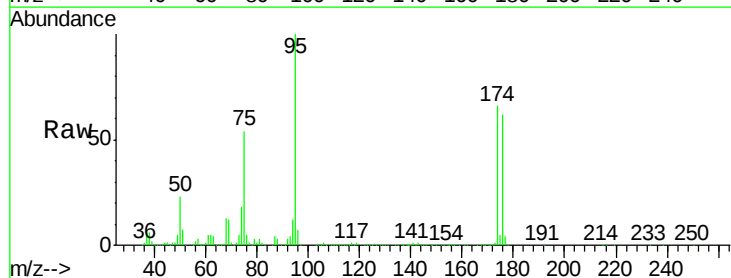
Tgt Ion: 95 Resp: 2251628

Ion Ratio Lower Upper

95 100

174 65.7 52.2 78.2

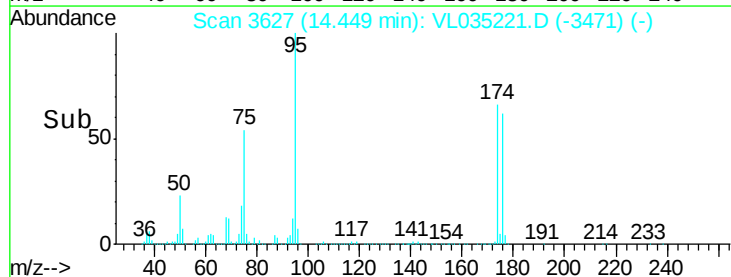
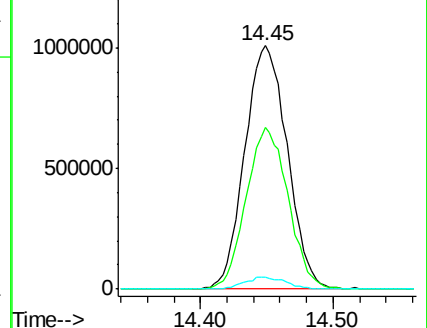
175 5.0 4.0 6.0

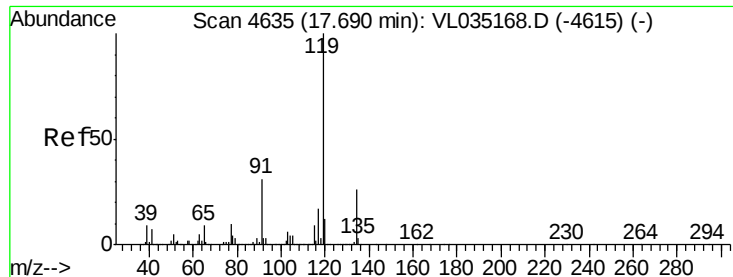


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





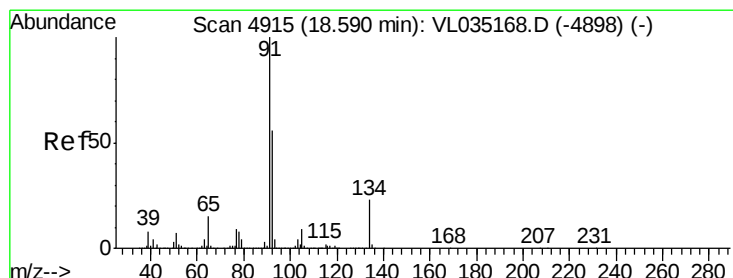
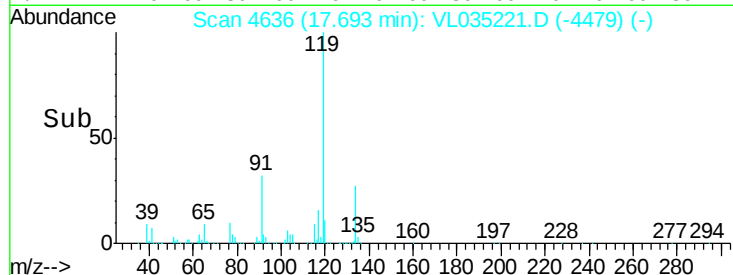
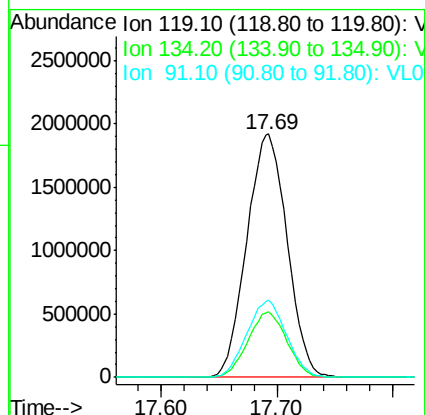
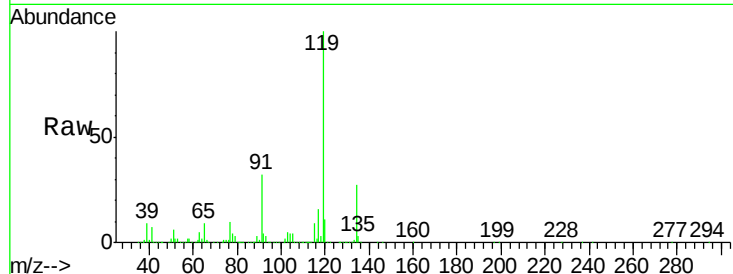
#69
 p-Isopropyltoluene
 Concen: 10.780 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 4633153
 Ion Ratio Lower Upper
 119 100
 134 26.1 20.8 31.2
 91 31.2 24.9 37.3

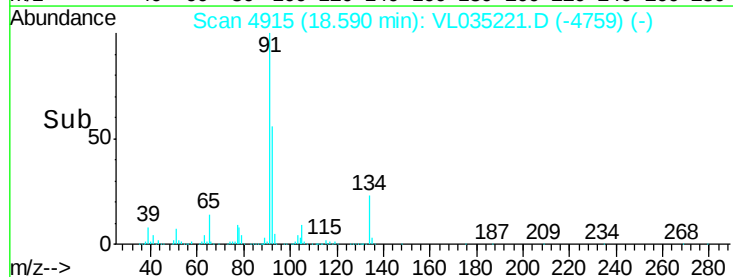
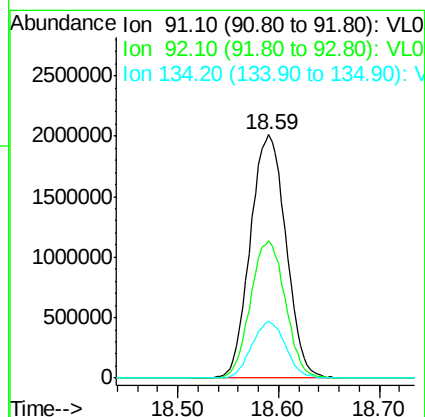
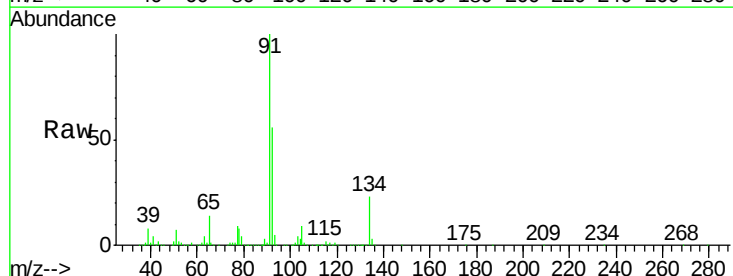
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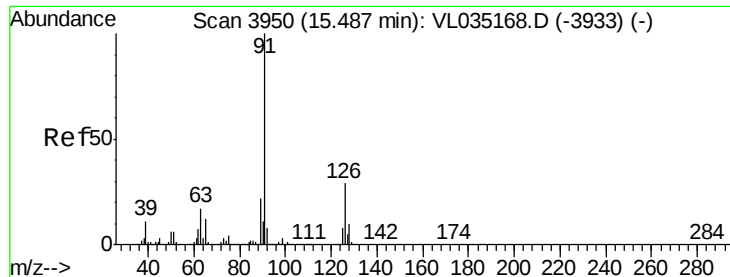
MMDadoda
 7/23/2020 2:59:57 PM



#70
 n-Butylbenzene
 Concen: 10.809 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion: 91 Resp: 4925222
 Ion Ratio Lower Upper
 91 100
 92 55.1 44.0 66.0
 134 22.3 18.0 27.0





#71

2-Chlorotoluene

Concen: 10.911 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3457454

Ion Ratio Lower Upper

91 100

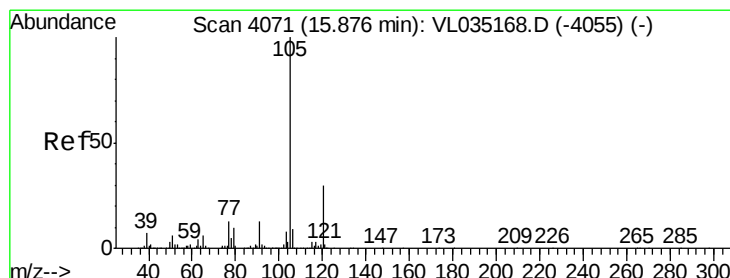
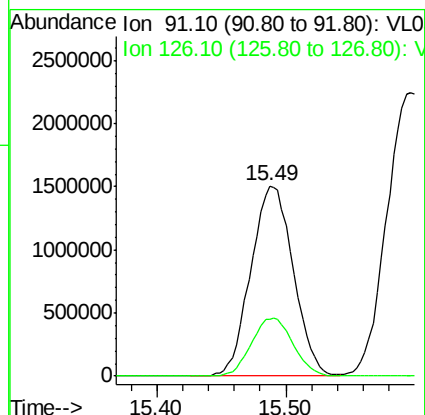
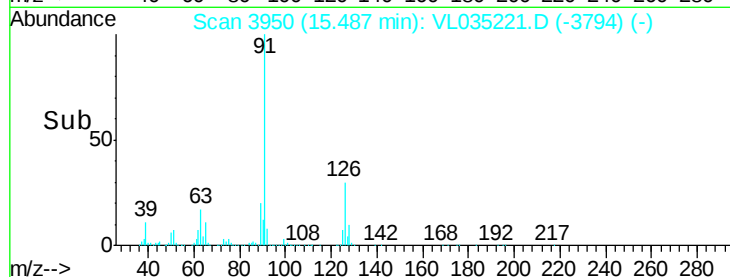
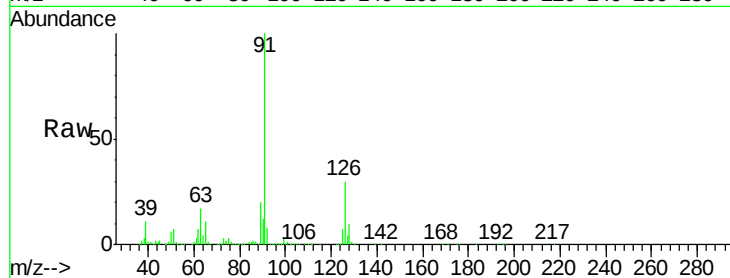
126 30.0 12.0 48.0

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#72

4-Ethyltoluene

Concen: 11.052 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Tgt Ion: 105 Resp: 3518227

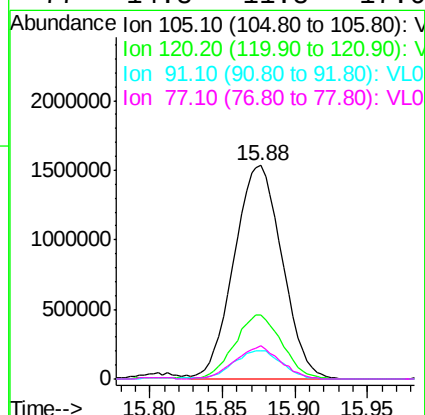
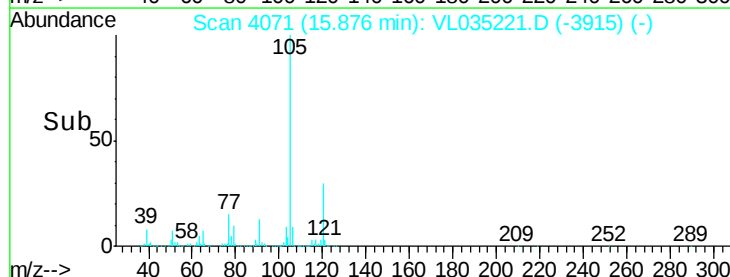
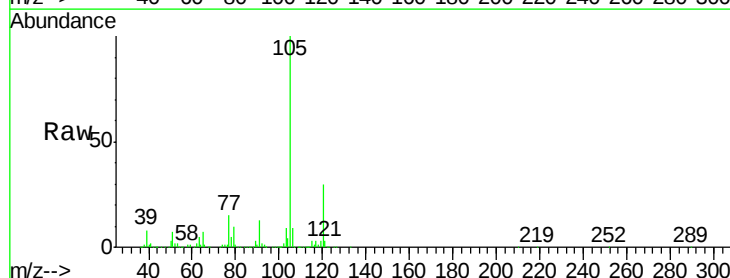
Ion Ratio Lower Upper

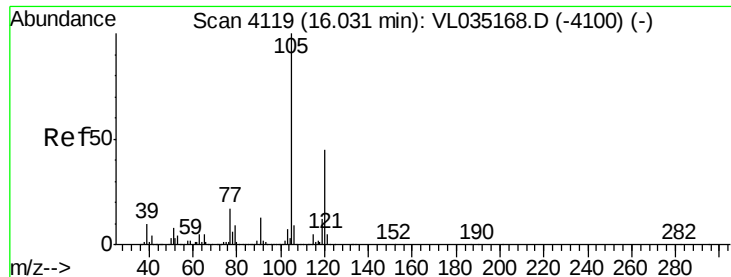
105 100

120 29.5 23.2 34.8

91 13.5 10.9 16.3

77 14.8 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 10.883 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3341056

Ion Ratio Lower Upper

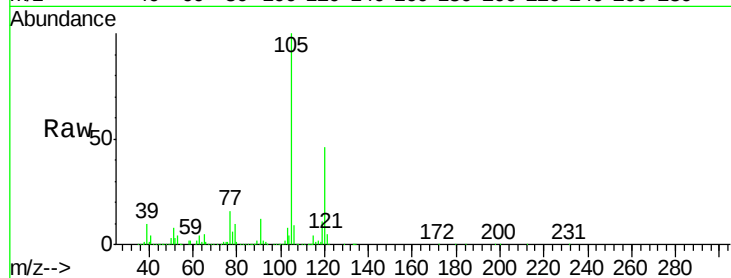
105 100

120 45.7 36.2 54.2

Manual Integrations
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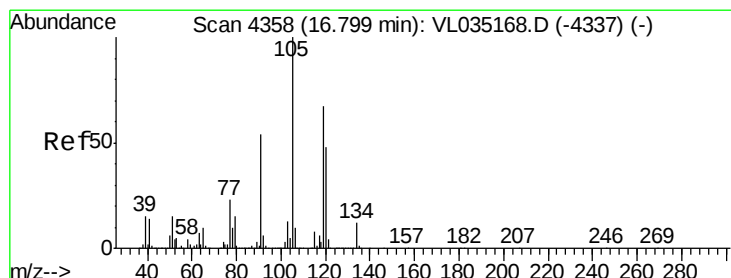
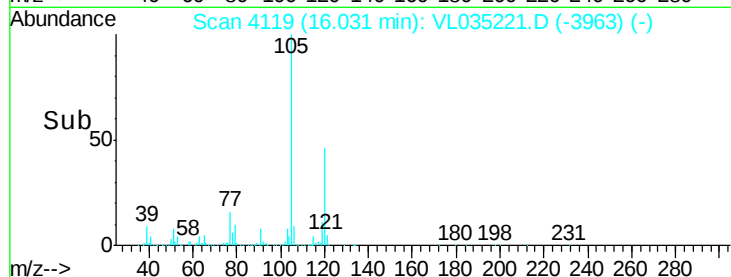
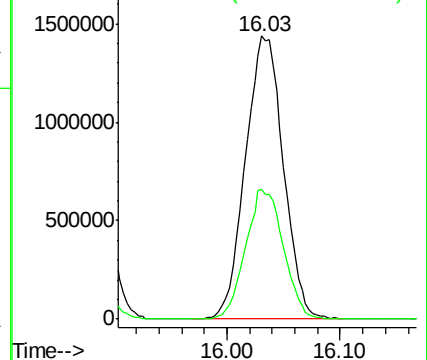
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.324 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Tgt Ion:105 Resp: 3502532

Ion Ratio Lower Upper

105 100

120 47.5 38.6 57.8

91 54.6 43.6 65.4

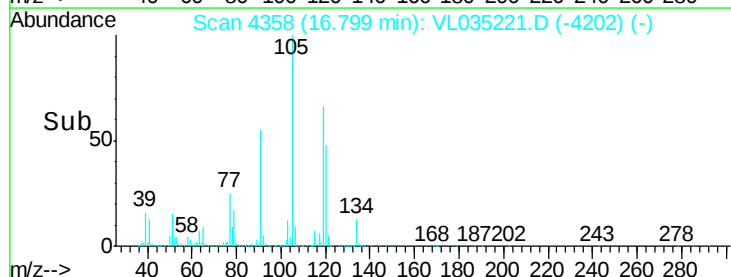
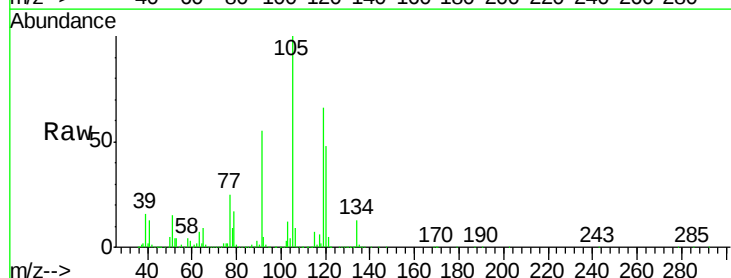
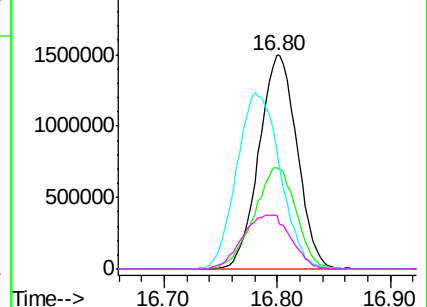
77 24.9 18.3 27.5

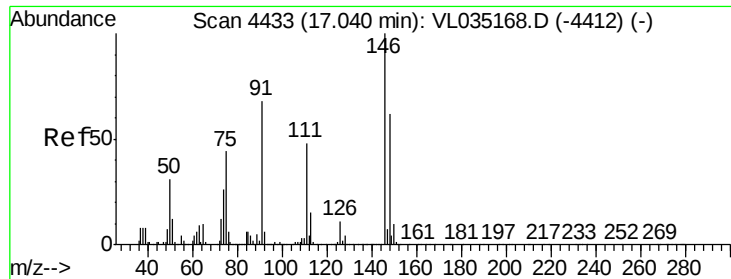
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.433 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2026598

Ion Ratio Lower Upper

146 100

111 48.1 24.7 74.1

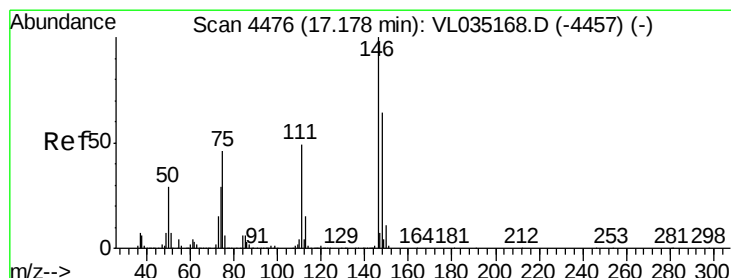
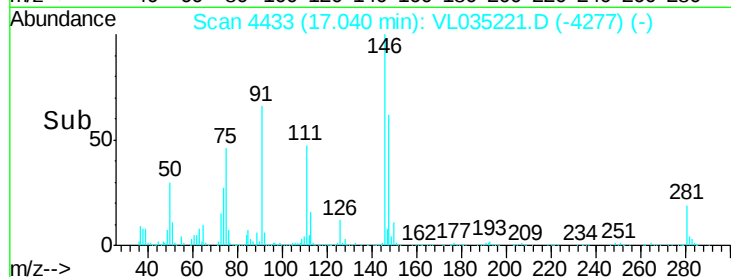
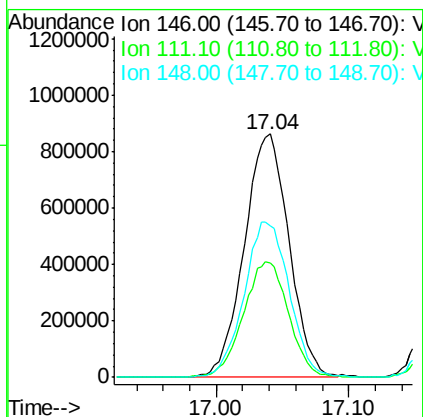
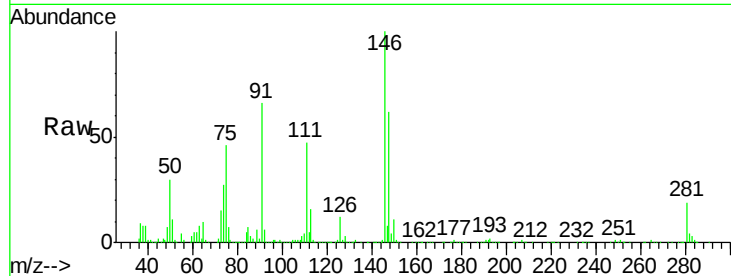
148 64.6 32.4 97.0

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#76

1,4-Dichlorobenzene

Concen: 10.187 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

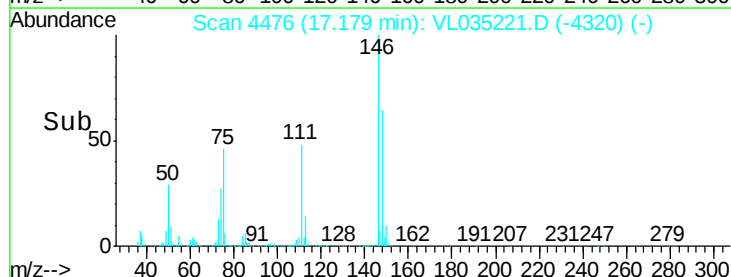
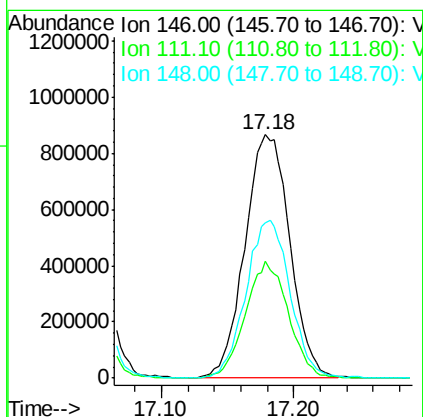
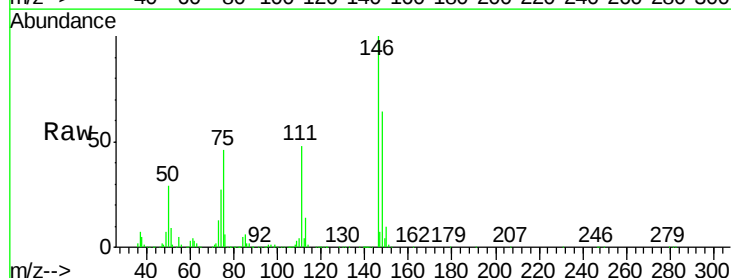
Tgt Ion:146 Resp: 2034015

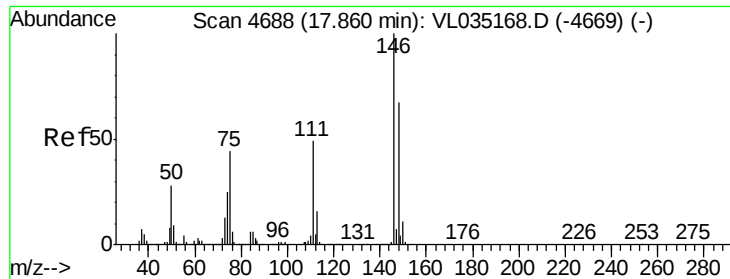
Ion Ratio Lower Upper

146 100

111 46.3 23.8 71.2

148 64.0 32.3 96.9





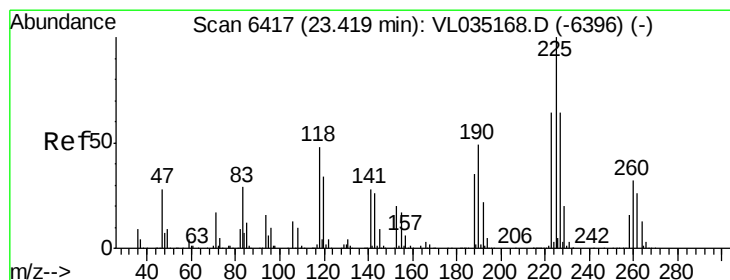
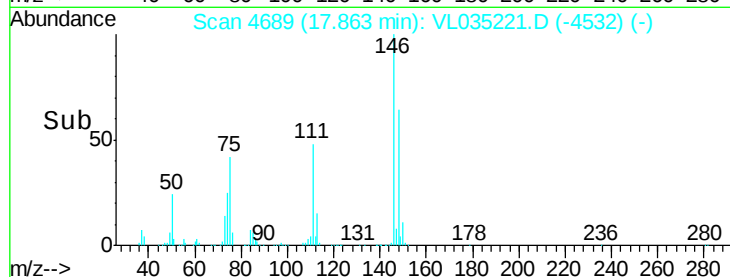
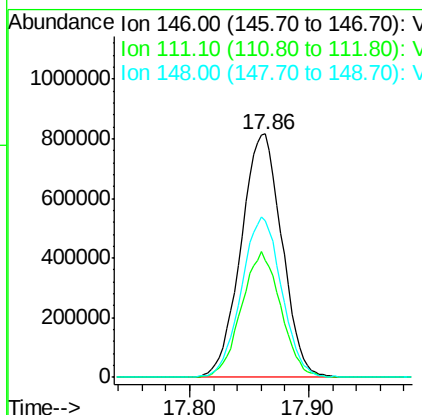
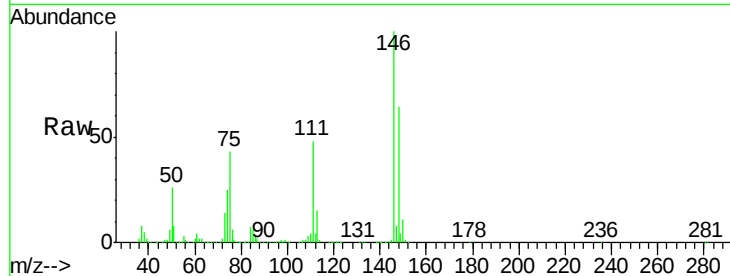
#77
 1,2-Dichlorobenzene
 Concen: 10.045 ppbv
 RT: 17.86 min Scan# 4689
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1943013
 Ion Ratio Lower Upper
 146 100
 111 49.8 25.1 75.2
 148 65.3 32.4 97.0

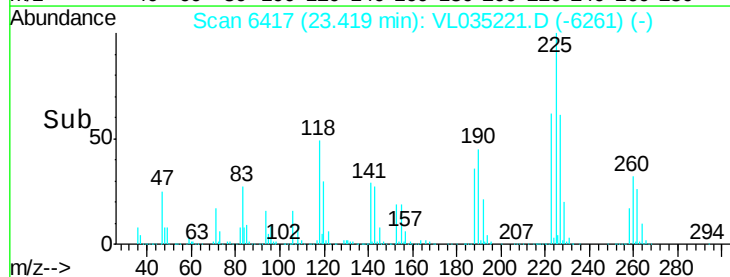
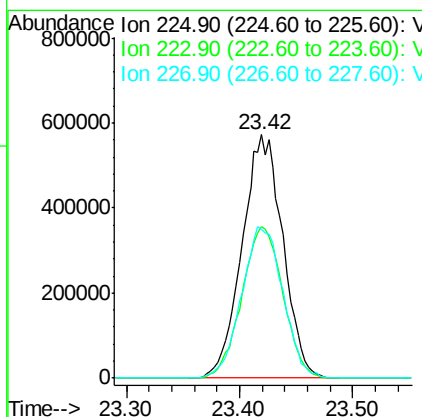
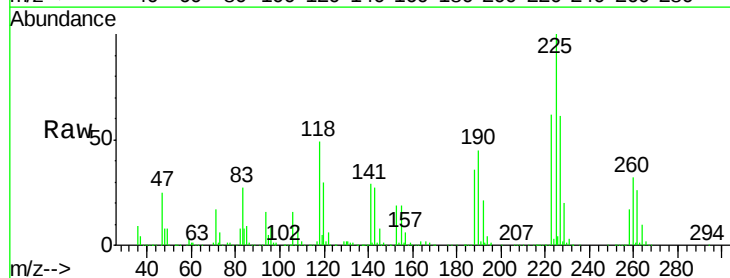
Manual Integrations
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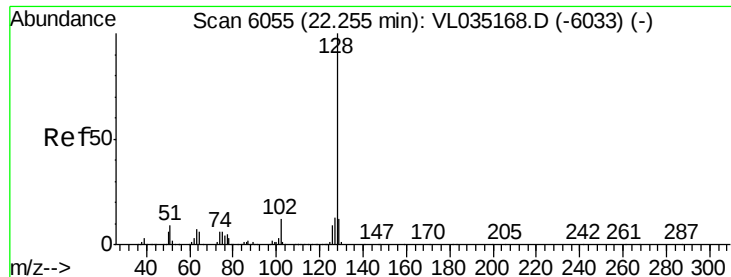
MMDadoda
 7/23/2020 2:59:57 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.334 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion:225 Resp: 1426842
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.2 75.2
 227 63.2 51.2 76.8





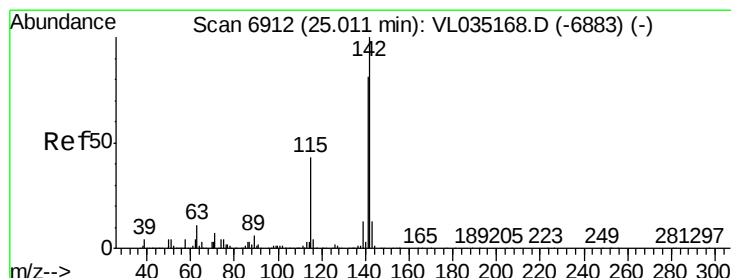
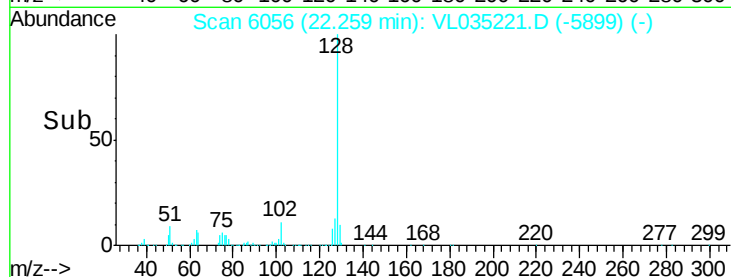
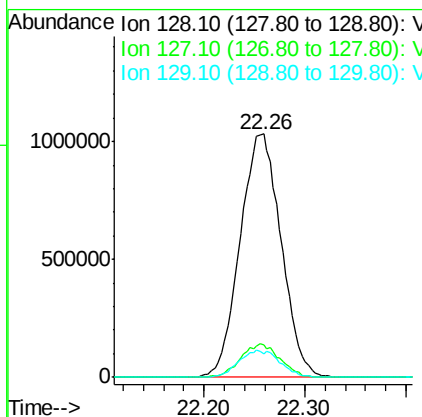
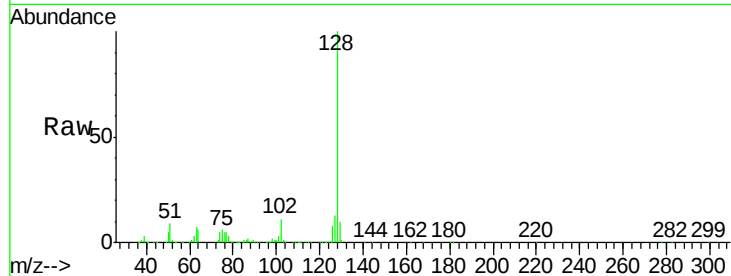
#79
Naphthalene
Concen: 13.228 ppbv
RT: 22.26 min Scan# 6056
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	9.8	9.4	14.2

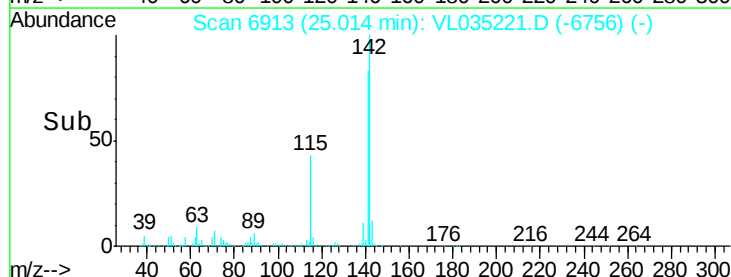
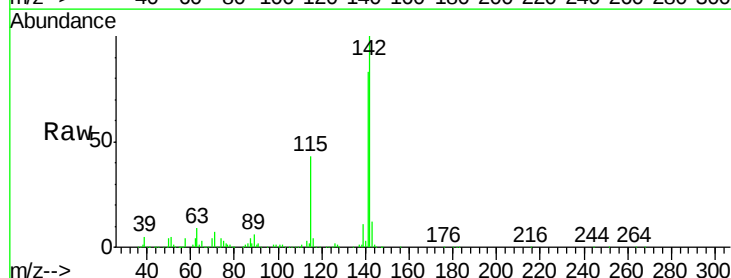
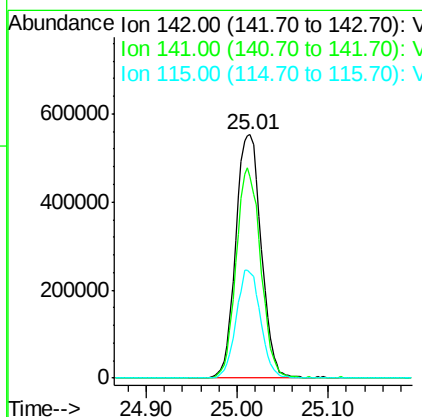
Manual Integrations
APPROVED

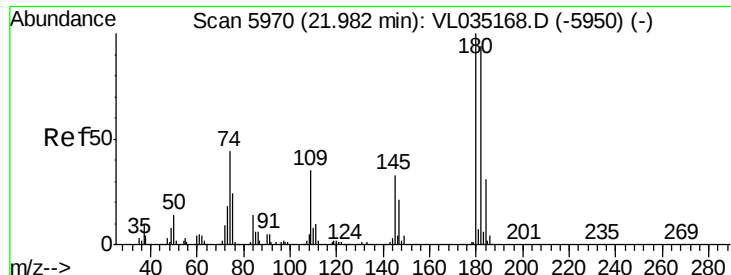
MMDadoda
7/23/2020 2:59:57 PM



#80
Naphthalene, 2-methyl-
Concen: 20.816 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.9	68.2	102.4
115	42.2	34.4	51.6





#81
 1,2,4-Trichlorobenzene
 Concen: 11.653 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.7	115.1
184	31.7	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
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