

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061920\
 Data File : VL035103.D
 Acq On : 19 Jun 2020 20:26
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061920

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:09:15 PM

Quant Time: Jun 20 02:20:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1368056	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3226825	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3388099	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2594463	9.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1595348	8.636	ppbv	98
3) Chlorodifluoromethane	2.93	51	1380397	9.134	ppbv	99
4) Chloromethane	3.09	50	819033	9.668	ppbv	98
5) Vinyl Chloride	3.21	62	782639	9.715	ppbv	98
6) Bromomethane	3.43	94	462324	9.241	ppbv	97
7) Chloroethane	3.51	64	284387	9.361	ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	1737017	8.770	ppbv	99
9) Propene	2.96	41	627575	10.487	ppbv	99
10) Heptane	8.12	43	1602158	10.331	ppbv	100
11) Trichlorofluoromethane	3.91	101	1731898	8.776	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1219411	8.936	ppbv	98
13) Ethanol	3.56	45	160965m	7.120	ppbv	
14) Bromoethene	3.70	108	566196	9.625	ppbv	100
15) Acetone	3.81	43	1366641	8.263	ppbv	100
16) 1,3-Butadiene	3.28	39	721158	9.941	ppbv	99
17) tert-Butyl alcohol	4.26	59	1404602	9.582	ppbv	99
18) 1,1-Dichloroethene	4.25	96	576740	9.371	ppbv	98
19) Isopropyl Alcohol	3.93	45	1007981	9.386	ppbv	99
20) Methylene Chloride	4.31	84	508466	7.596	ppbv	92
21) Allyl Chloride	4.38	41	960134	9.767	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	559677	9.719	ppbv	95
23) Vinyl Acetate	5.05	43	2140436	10.661	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1579354	9.331	ppbv	100
25) Ethyl Acetate	5.66	43	2801942	9.387	ppbv	100
26) Hexane	5.67	57	1247971	9.273	ppbv	99
27) Carbon Disulfide	4.52	76	1455217	10.449	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1893155	10.012	ppbv	99
29) Chloroform	5.74	83	1906929	9.054	ppbv	100
30) Cyclohexane	7.12	84	1057734	10.951	ppbv	100
31) cis-1,2-Dichloroethene	5.53	61	1277054	10.294	ppbv	92
32) 1,1,1-Trichloroethane	6.50	97	1829326	9.365	ppbv	100
34) 2-Butanone	5.22	43	1840215	9.931	ppbv	99
35) Carbon Tetrachloride	7.01	117	1868922	9.657	ppbv	99
36) Benzene	6.89	78	2498509	9.999	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1479904	9.371	ppbv	99
38) Trichloroethene	7.84	130	958133	9.872	ppbv	99
39) 1,2-Dichloropropane	7.61	63	984786	10.077	ppbv	98
40) 1,4-Dioxane	7.82	88	365670	9.486	ppbv #	95
41) Tetrahydrofuran	6.03	42	1037890	10.966	ppbv	98
42) Bromodichloromethane	7.79	83	2029408	9.923	ppbv	97
43) Methyl Methacrylate	8.01	69	1135551	10.737	ppbv	98

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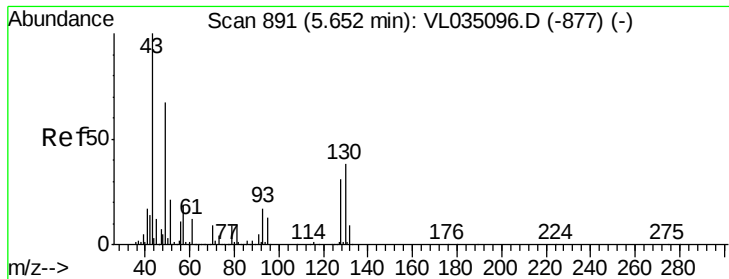
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4238034	9.718	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1253884	12.182	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1475740	11.541	ppbv	94
47) 1,1,2-Trichloroethane	9.49	97	1025573	9.615	ppbv	97
48) Dibromochloromethane	10.32	129	1674146	10.529	ppbv	99
49) Bromoform	13.07	173	1440644	10.665	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2687162	10.206	ppbv	99
51) 2-Hexanone	10.14	43	2190156	10.622	ppbv	100
52) Tetrachloroethene	11.24	164	877497	9.967	ppbv	92
53) Toluene	9.82	91	2859775	10.730	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1563588	9.901	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1265934	9.130	ppbv #	59
57) Chlorobenzene	12.17	112	2153447	8.638	ppbv	99
58) Ethyl Benzene	12.73	91	3790026	9.956	ppbv	98
59) m/p-Xylene	13.02	91	6284849m	18.629	ppbv	
60) o-Xylene	13.72	91	3081087	9.173	ppbv	100
61) Styrene	13.55	104	2244293	10.619	ppbv	98
62) Isopropylbenzene	14.69	105	4515619	9.010	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2160994	7.944	ppbv	99
64) n-propylbenzene	15.59	120	1186466	9.276	ppbv	97
65) tert-Butylbenzene	16.78	119	3854437	8.981	ppbv	99
66) Benzyl Chloride	17.02	91	1451344	10.947	ppbv	99
67) sec-Butylbenzene	17.33	105	5497652	8.937	ppbv	100
69) p-Isopropyltoluene	17.68	119	4503808	9.179	ppbv	100
70) n-Butylbenzene	18.59	91	4704278	8.901	ppbv	100
71) 2-Chlorotoluene	15.48	91	3498609	9.235	ppbv	100
72) 4-Ethyltoluene	15.87	105	3604572	9.647	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3333687	9.439	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3421449	8.680	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	1945936	8.272	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	1975186	8.777	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1852669	8.607	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1536200	7.940	ppbv	99
79) Naphthalene	22.25	128	3384802	9.794	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1658984	12.555	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1785876	8.958	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

ICVVL061920

Tot Ion: 49 Resp: 1368056

Ion Ratio Lower Upper

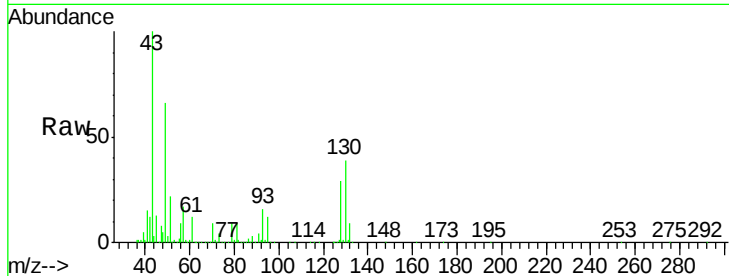
49 100

128 45.8 22.9 68.5

130 58.7 29.0 87.0

Manual Integrations
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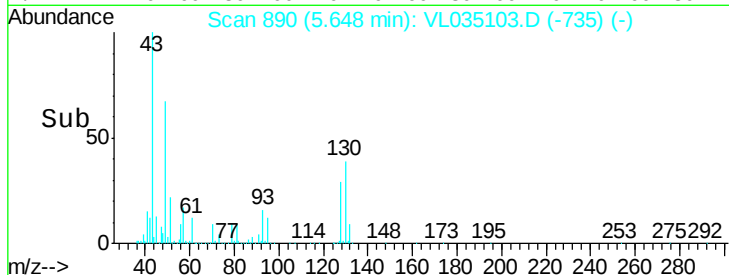


Abundance Ion 49.10 (48.80 to 49.80): VL0

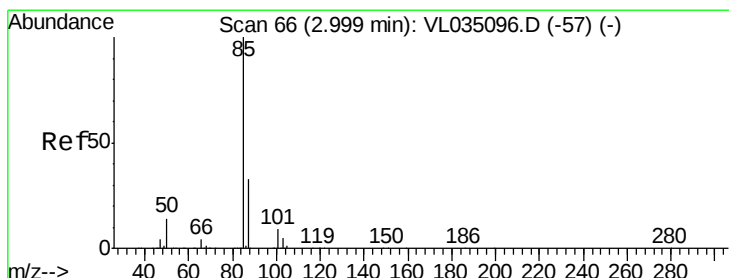
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 8.636 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL035103.D

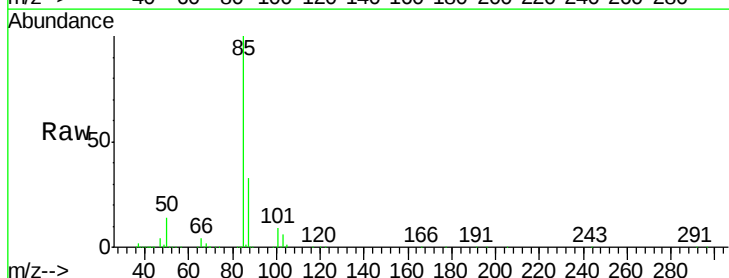
Acq: 19 Jun 2020 20:26

Tgt Ion: 85 Resp: 1595348

Ion Ratio Lower Upper

85 100

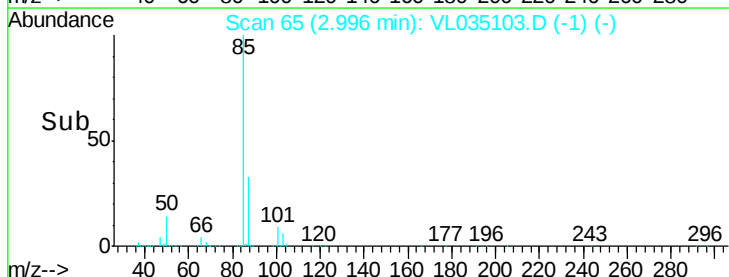
87 33.5 26.1 39.1



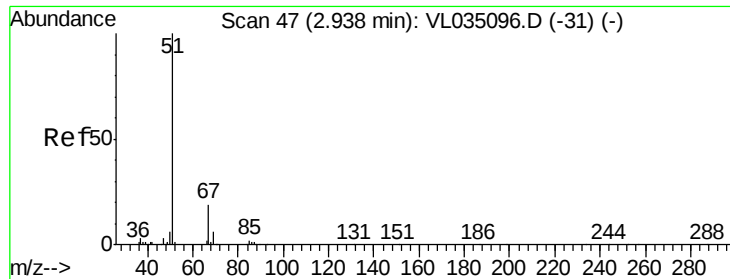
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 9.134 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion: 51 Resp: 1380397

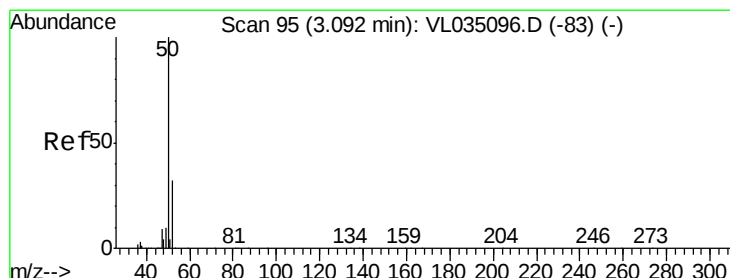
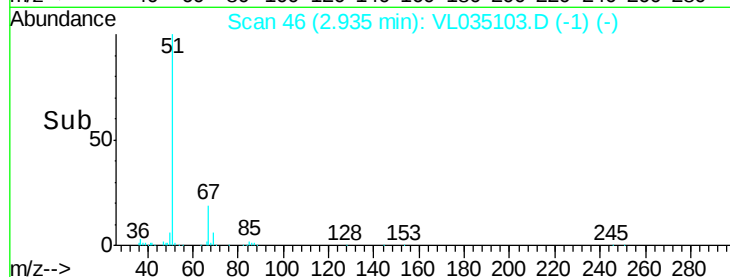
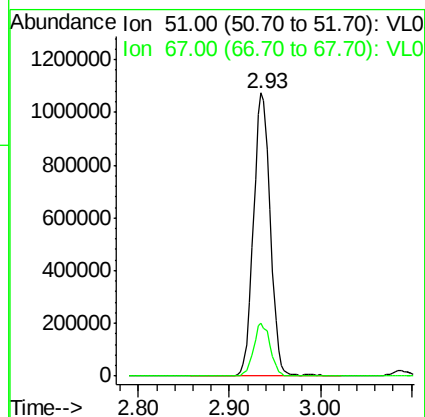
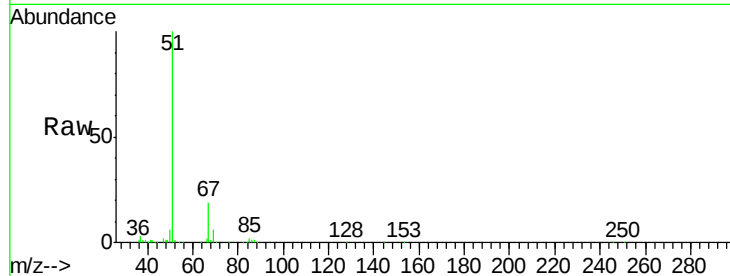
Ion Ratio Lower Upper

51 100

67 18.4 15.2 22.8

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#4

Chloromethane

Concen: 9.668 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.00 min

Lab File: VL035103.D

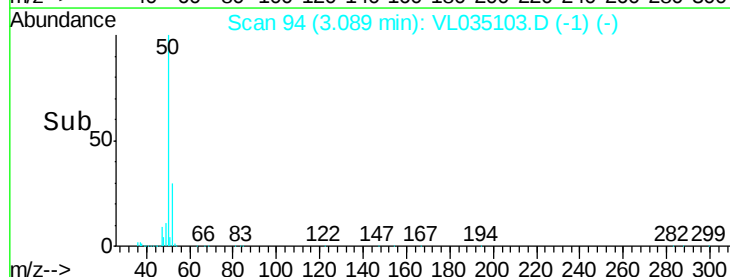
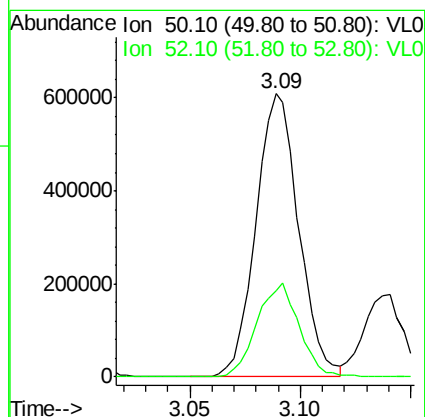
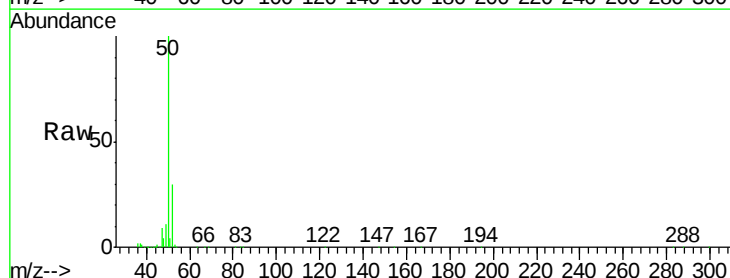
Acq: 19 Jun 2020 20:26

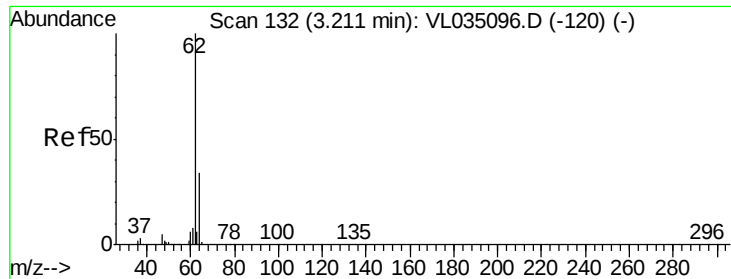
Tgt Ion: 50 Resp: 819033

Ion Ratio Lower Upper

50 100

52 30.4 25.4 38.0





#5

Vinyl Chloride

Concen: 9.715 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion: 62 Resp: 782639

Ion Ratio Lower Upper

62 100

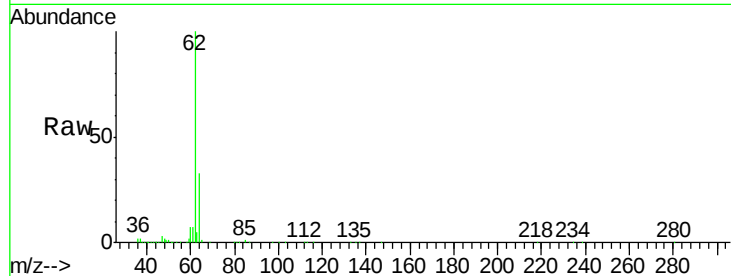
64 32.7 27.0 40.4

Manual Integrations

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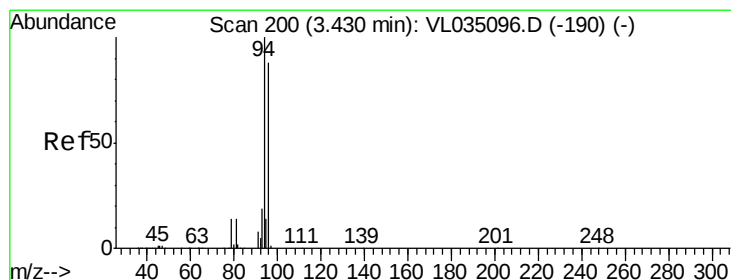
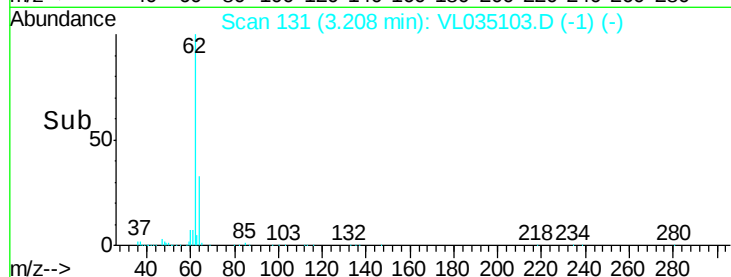
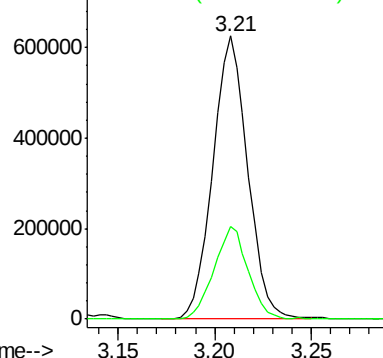
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.241 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.00 min

Lab File: VL035103.D

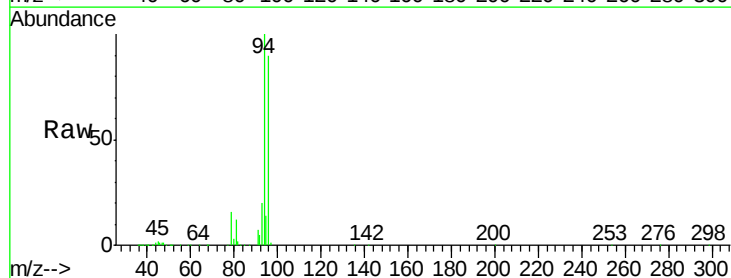
Acq: 19 Jun 2020 20:26

Tgt Ion: 94 Resp: 462324

Ion Ratio Lower Upper

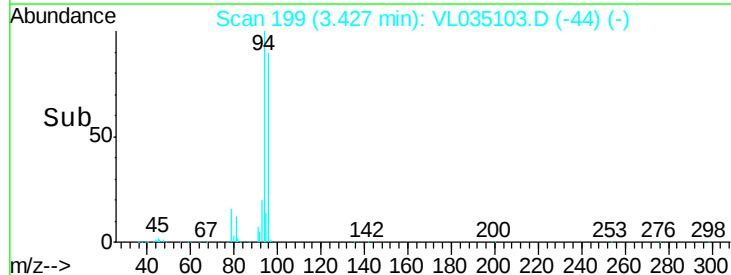
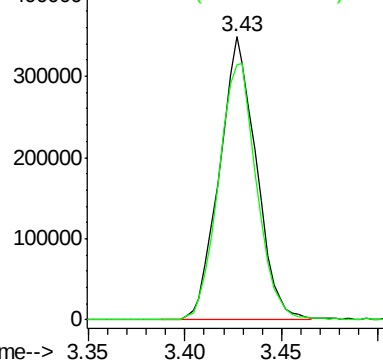
94 100

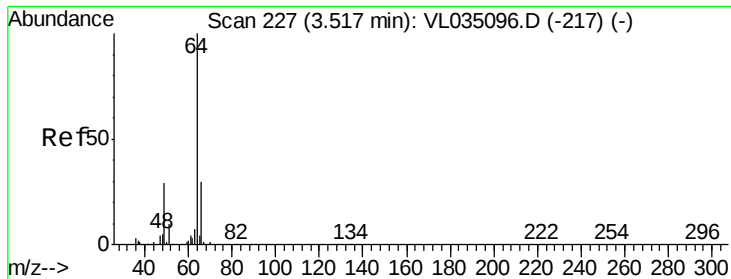
96 90.3 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.361 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

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ClientSampleId :

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Tot Ion: 64 Resp: 284387

Ion Ratio Lower Upper

64 100

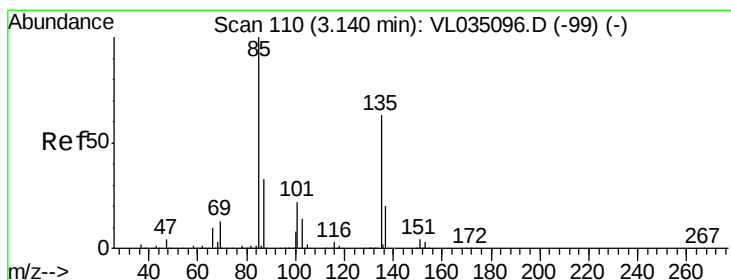
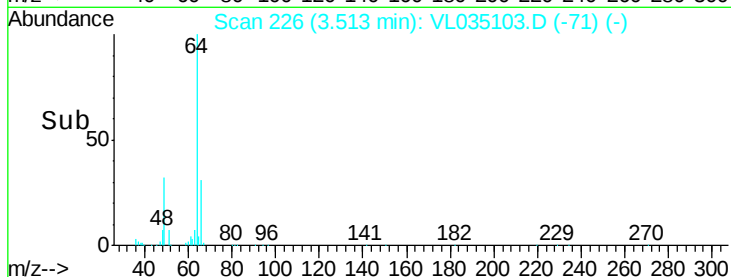
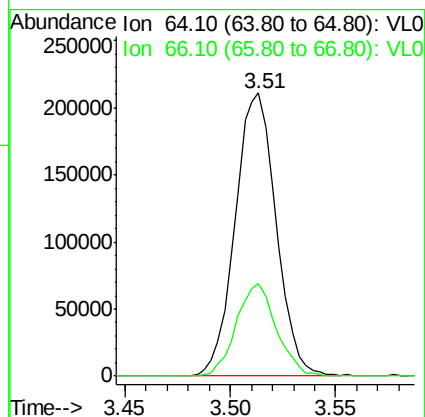
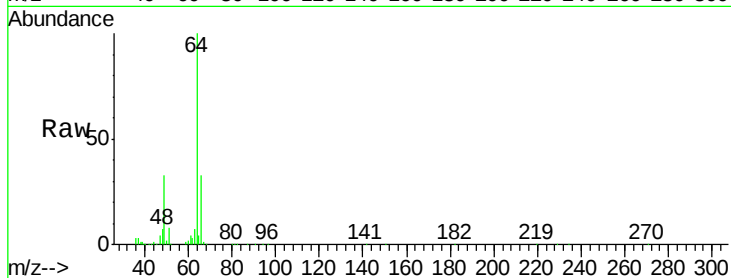
66 32.9 24.2 36.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.770 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL035103.D

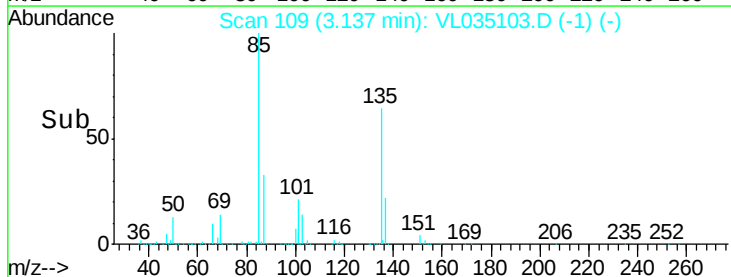
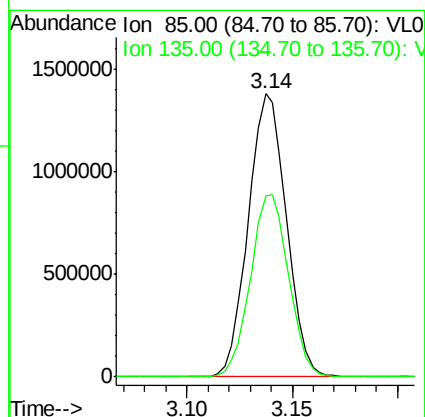
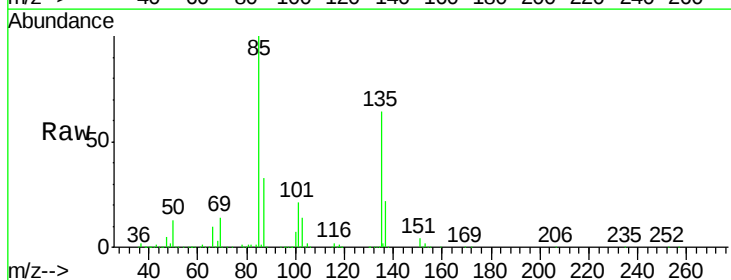
Acq: 19 Jun 2020 20:26

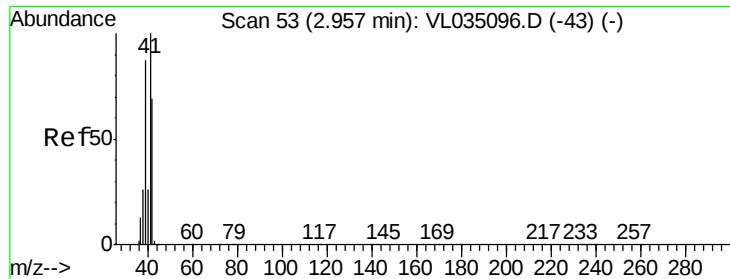
Tgt Ion: 85 Resp: 1737017

Ion Ratio Lower Upper

85 100

135 64.7 51.0 76.6





#9

Propene

Concen: 10.487 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 627575

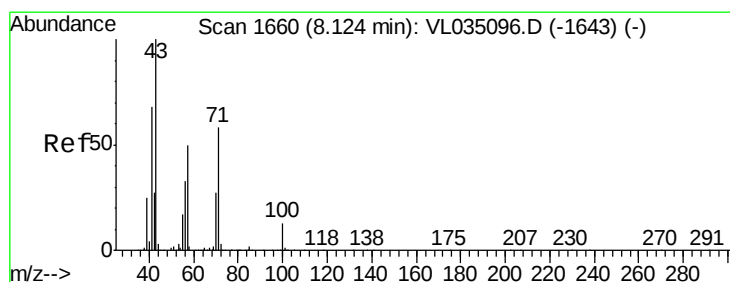
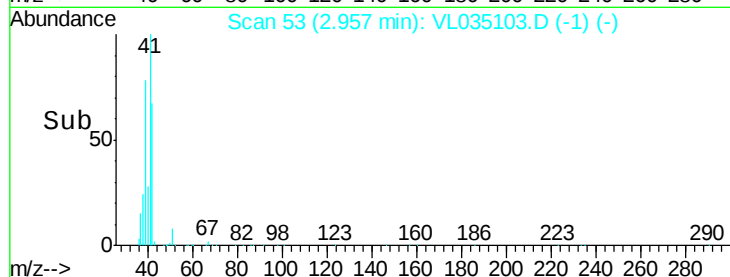
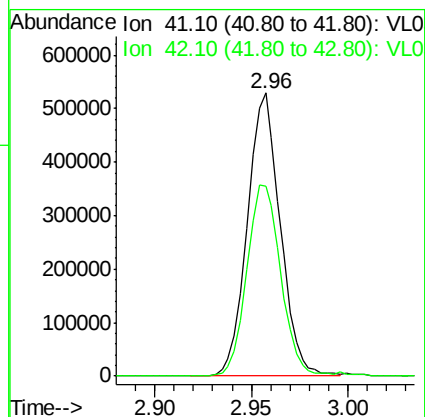
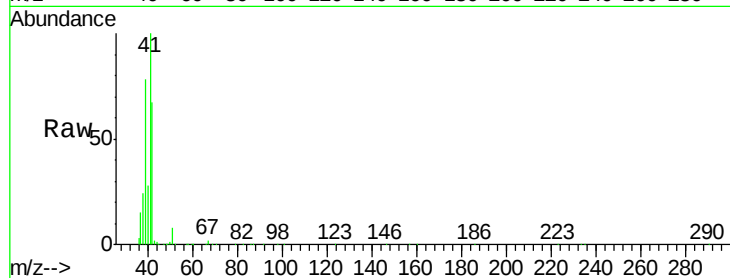
Ion Ratio Lower Upper

41 100

42 70.7 55.8 83.6

Manual Integrations
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#10

Heptane

Concen: 10.331 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL035103.D

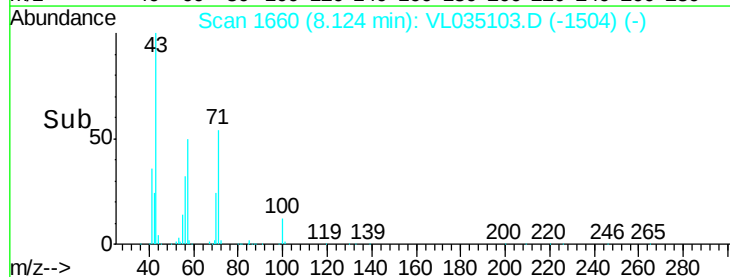
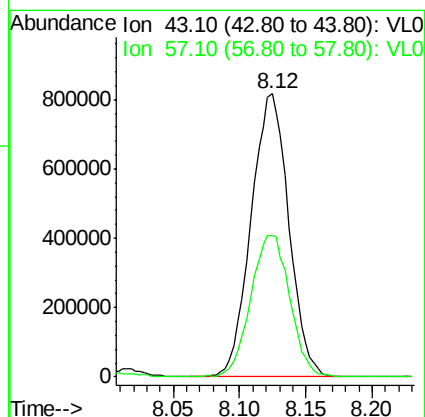
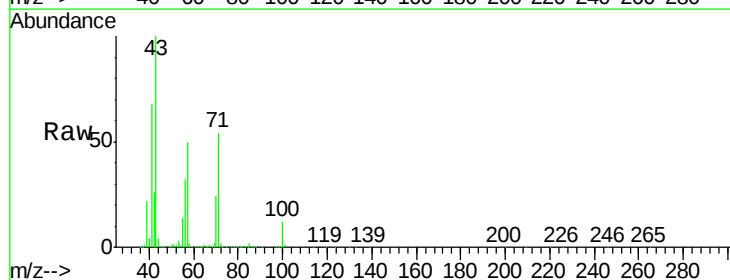
Acq: 19 Jun 2020 20:26

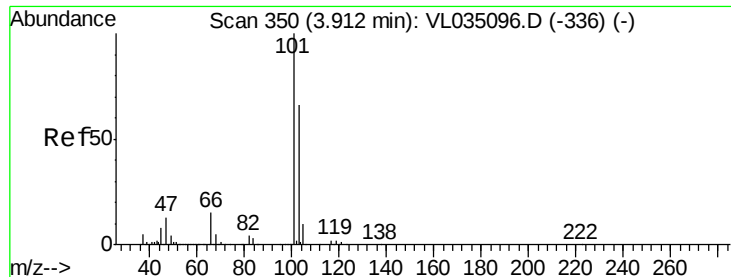
Tgt Ion: 43 Resp: 1602158

Ion Ratio Lower Upper

43 100

57 52.5 41.9 62.9





#11

Trichlorofluoromethane

Concen: 8.776 ppbv

RT: 3.91 min Scan# 349

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

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Tot Ion:101 Resp: 1731898

Ion Ratio Lower Upper

101 100

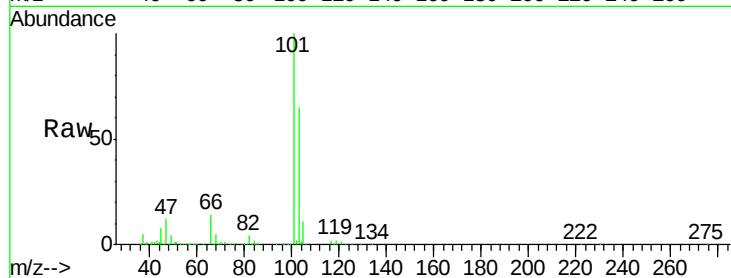
103 65.3 52.6 79.0

Manual Integrations

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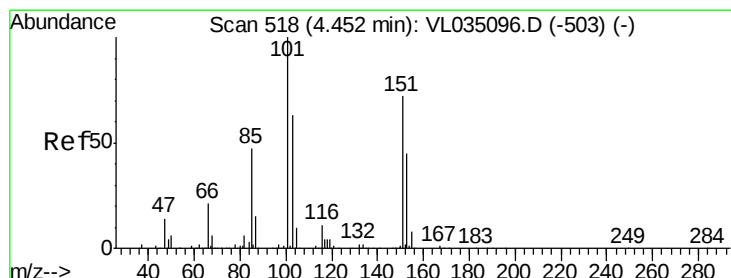
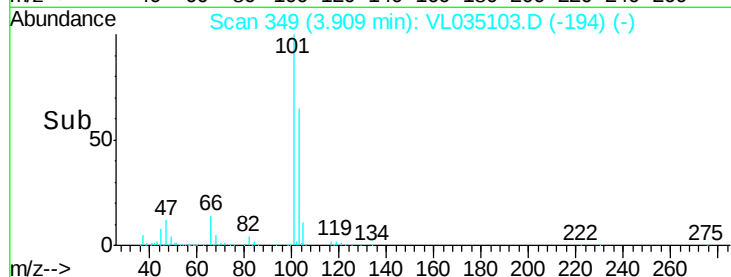
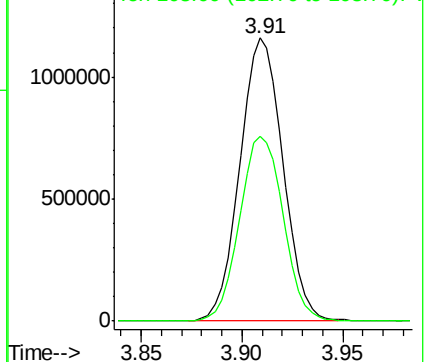
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.936 ppbv

RT: 4.45 min Scan# 518

Delta R.T. 0.00 min

Lab File: VL035103.D

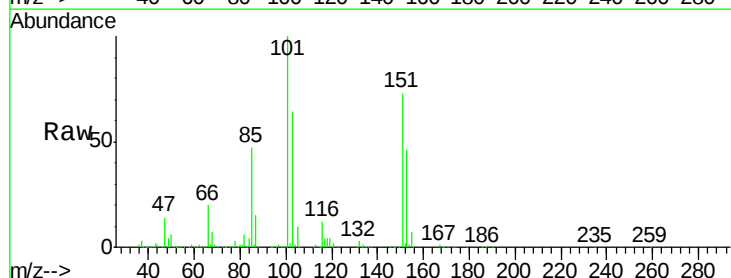
Acq: 19 Jun 2020 20:26

Tgt Ion:101 Resp: 1219411

Ion Ratio Lower Upper

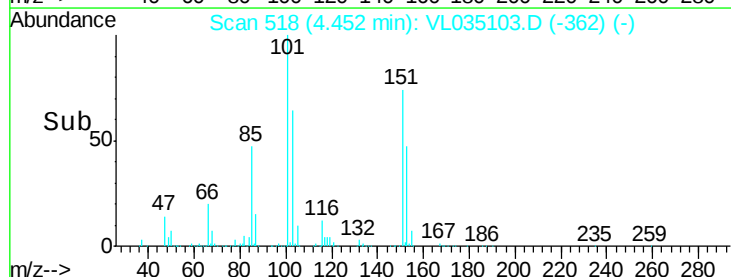
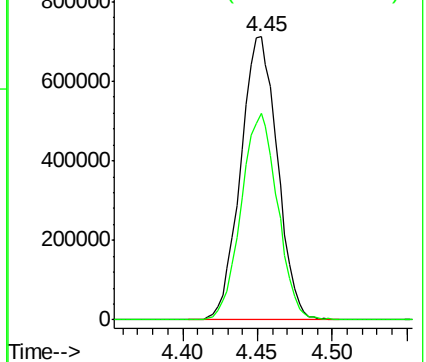
101 100

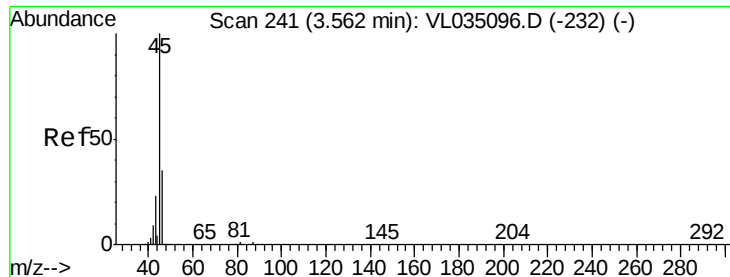
151 72.2 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.120 ppbv m

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion: 45 Resp: 160965

Ion Ratio Lower Upper

45 100

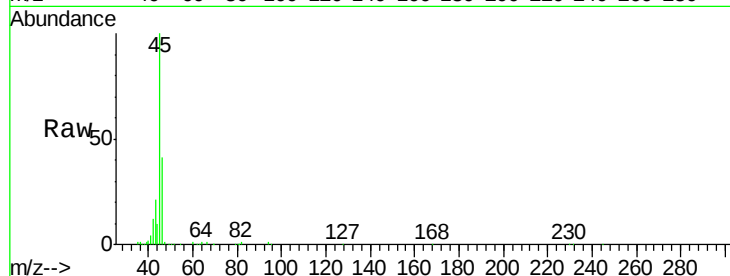
46 38.0 14.2 57.0

Manual Integrations

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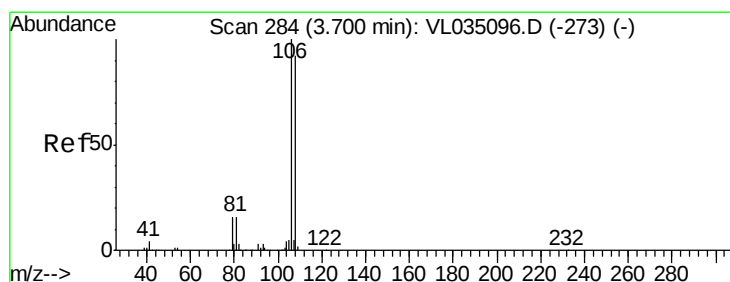
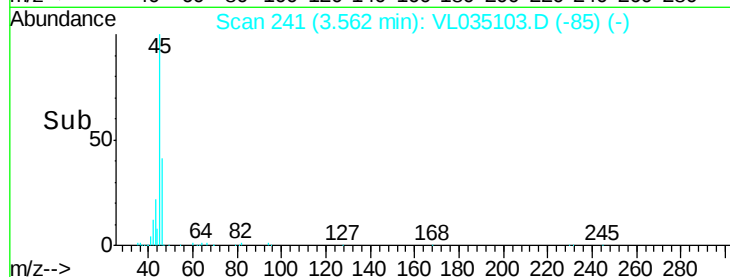
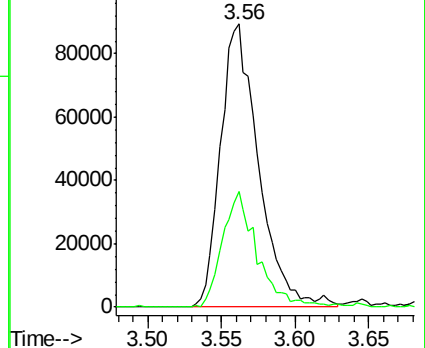
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.625 ppbv

RT: 3.70 min Scan# 283

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

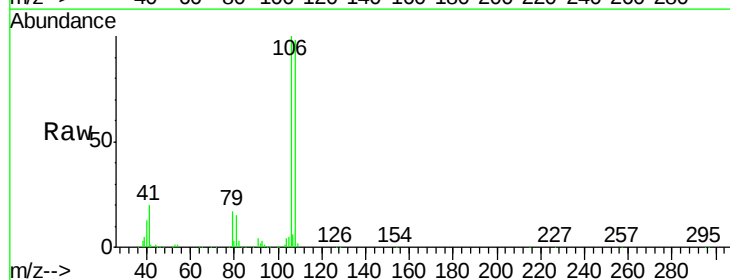
Tgt Ion: 108 Resp: 566196

Ion Ratio Lower Upper

108 100

106 105.5 84.4 126.6

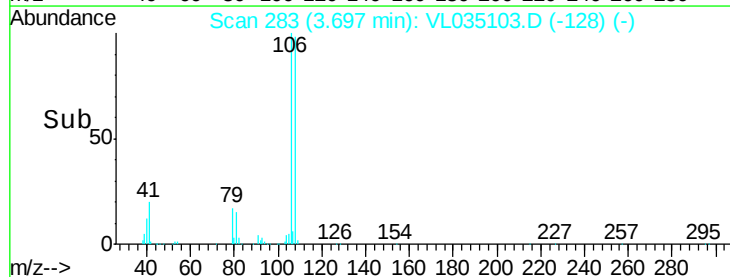
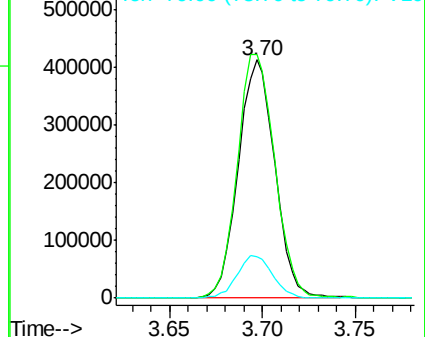
79 17.7 14.2 21.2

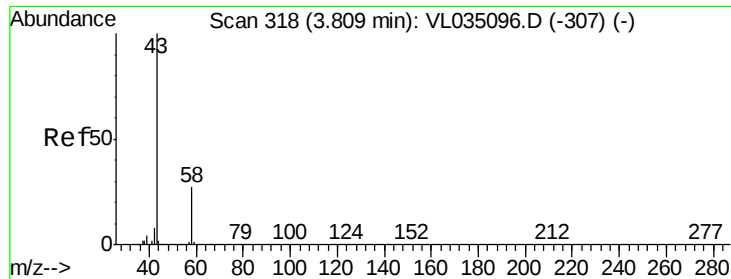


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





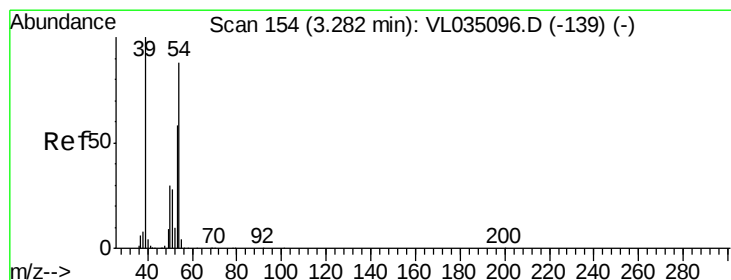
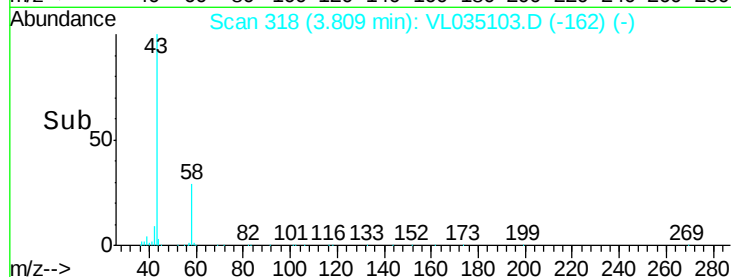
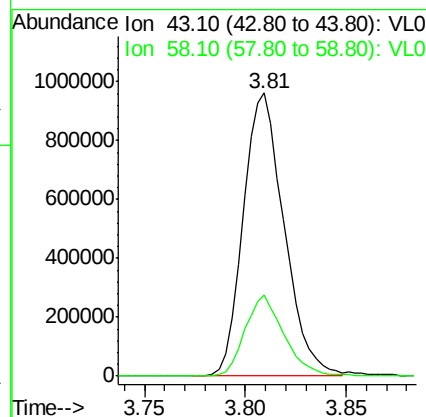
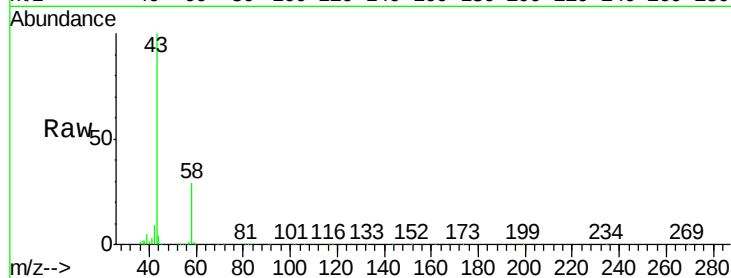
#15
Acetone
Concen: 8.263 ppbv
RT: 3.81 min Scan# 318
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061920

Tot Ion: 43 Resp: 1366641
Ion Ratio Lower Upper
43 100
58 27.4 21.8 32.6

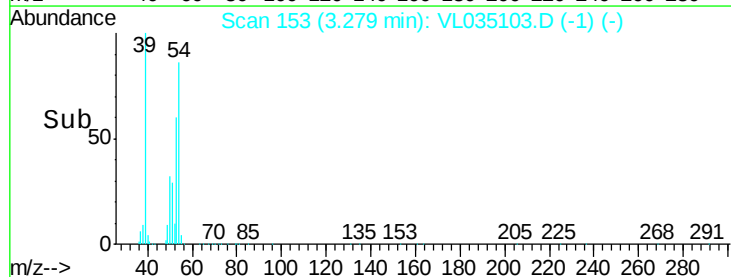
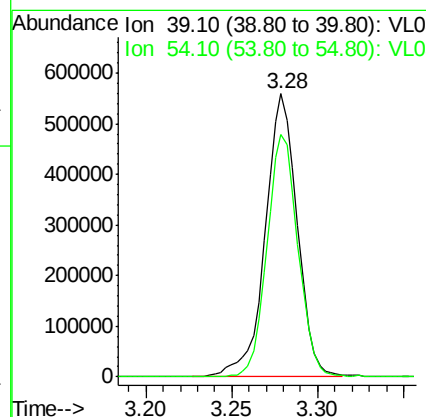
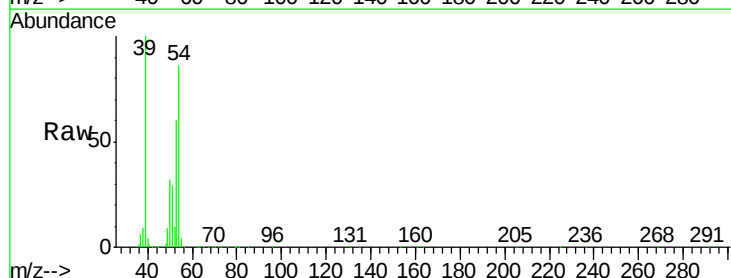
Manual Integrations
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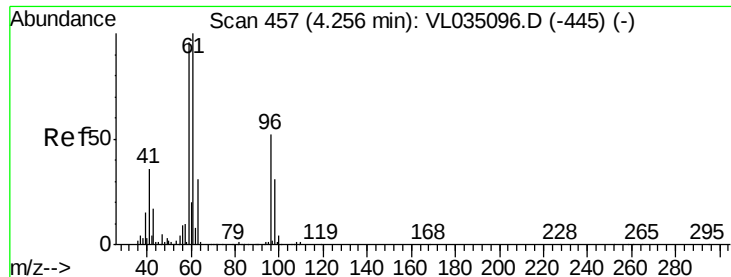
MMDadoda
6/22/2020 2:09:15 PM



#16
1,3-Butadiene
Concen: 9.941 ppbv
RT: 3.28 min Scan# 153
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 39 Resp: 721158
Ion Ratio Lower Upper
39 100
54 83.1 67.0 100.4





#17

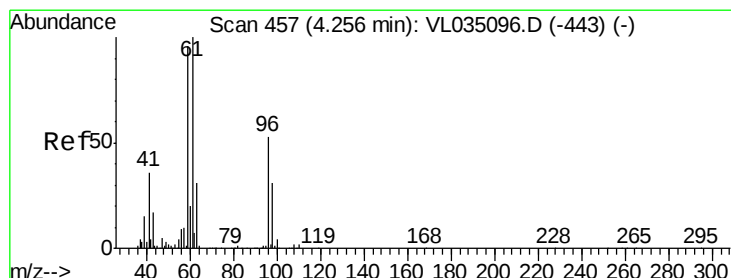
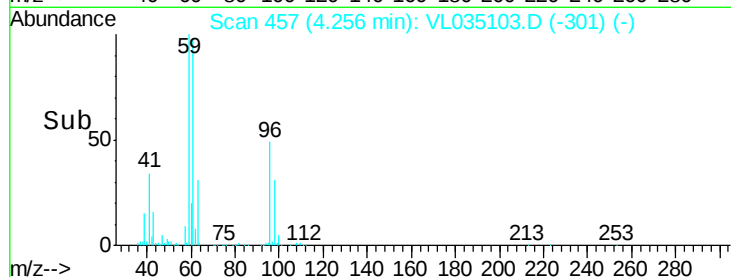
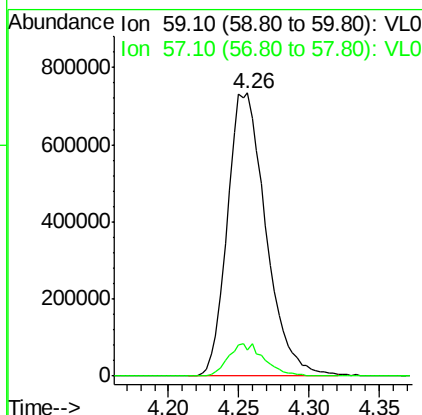
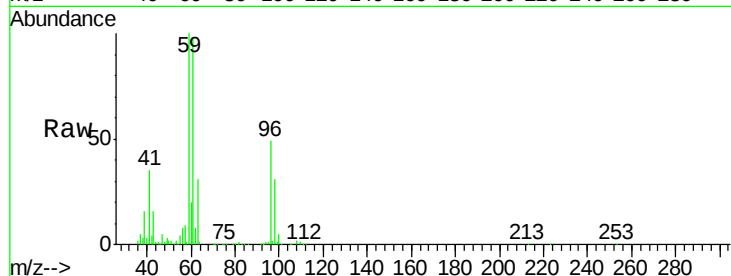
tert-Butyl alcohol
Concen: 9.582 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061920

Tot Ion: 59 Resp: 1404602
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

Manual Integrations
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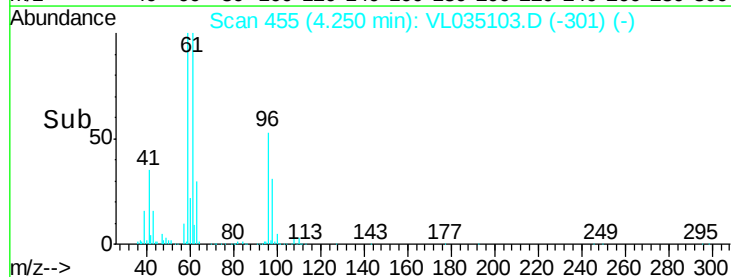
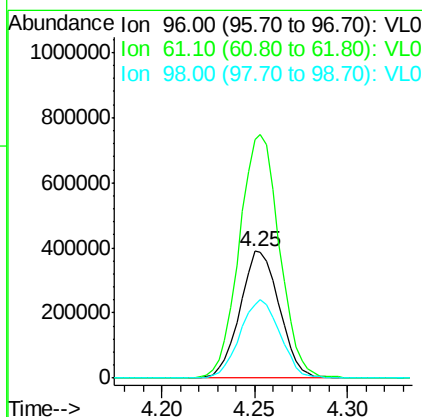
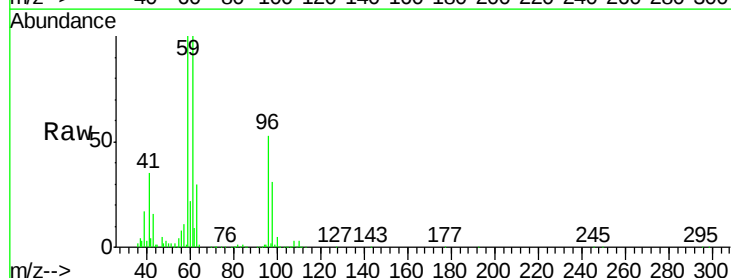
MMDadoda
6/22/2020 2:09:15 PM

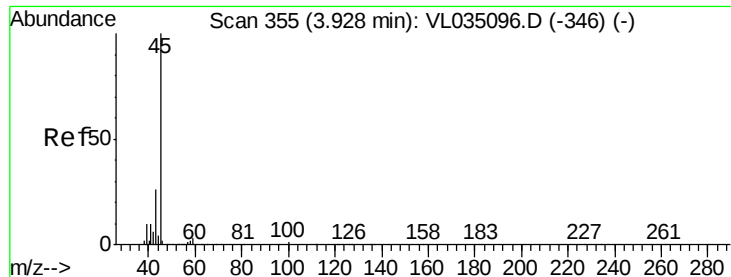


#18

1,1-Dichloroethene
Concen: 9.371 ppbv
RT: 4.25 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 96 Resp: 576740
Ion Ratio Lower Upper
96 100
61 188.3 152.2 228.4
98 57.8 47.7 71.5





#19

Isopropyl Alcohol

Concen: 9.386 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion: 45 Resp: 1007981

Ion Ratio Lower Upper

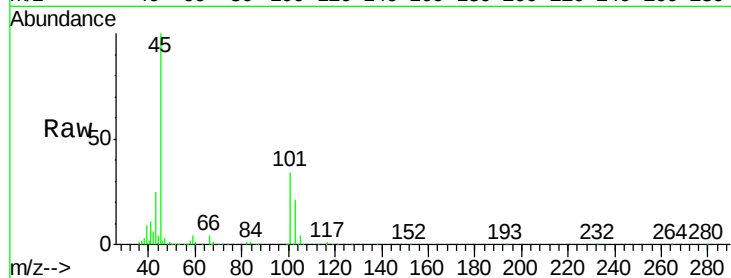
45 100

58 2.0 1.8 2.8

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

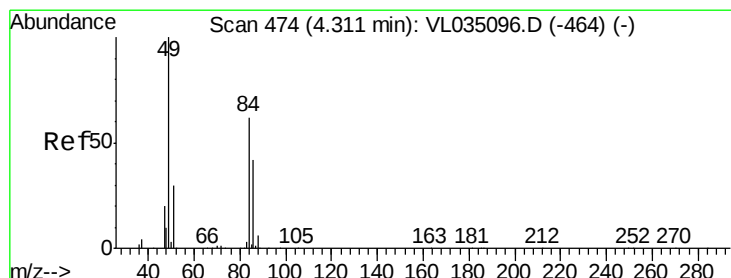
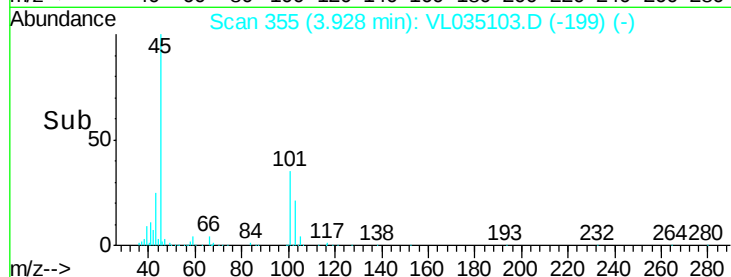
600000

400000

200000

0

Time--> 3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 7.596 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Tgt Ion: 84 Resp: 508466

Ion Ratio Lower Upper

84 100

49 148.2 128.8 193.2

51 44.0 38.7 58.1

86 61.9 54.1 81.1

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

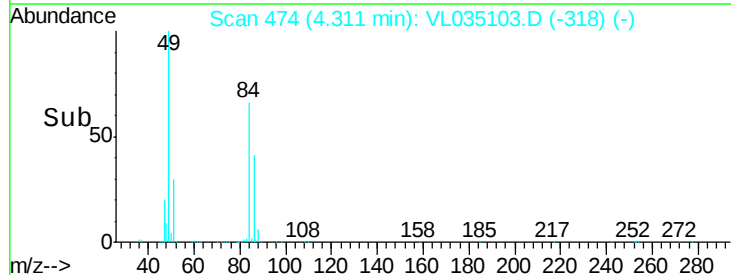
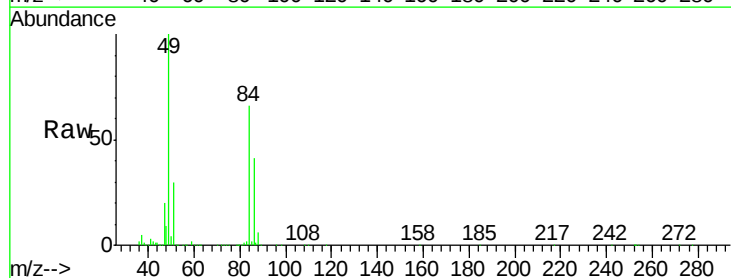
600000

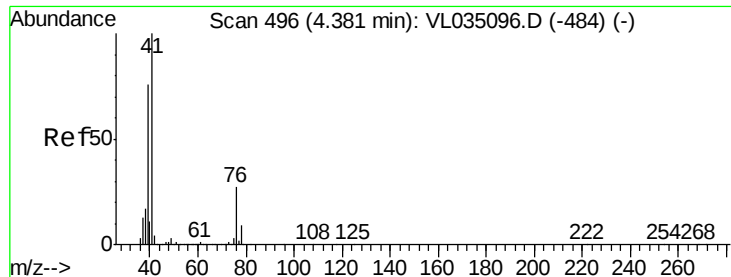
400000

200000

0

Time--> 4.25 4.30 4.35





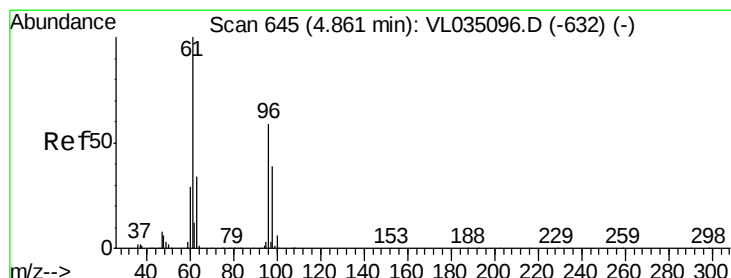
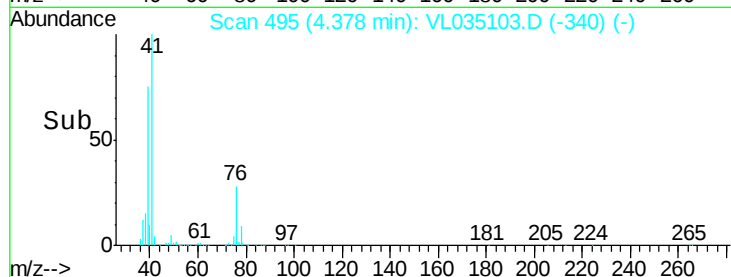
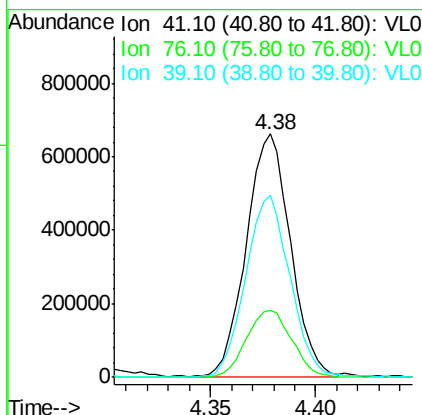
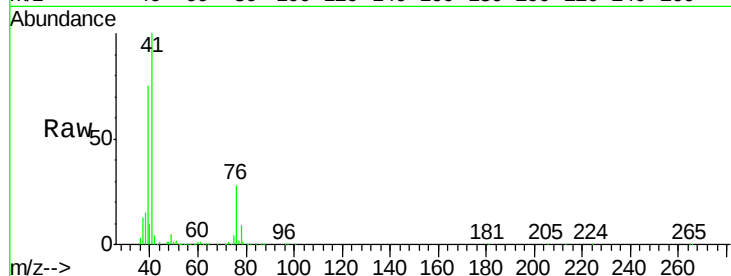
#21
Allvl Chloride
Concen: 9.767 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061920

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.7	22.6	34.0
39	75.7	61.6	92.4

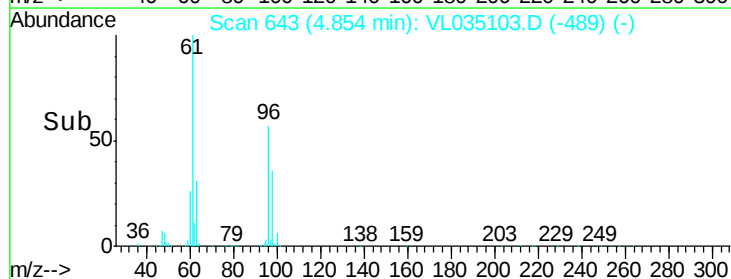
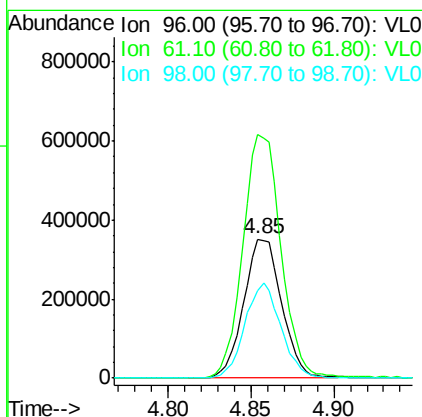
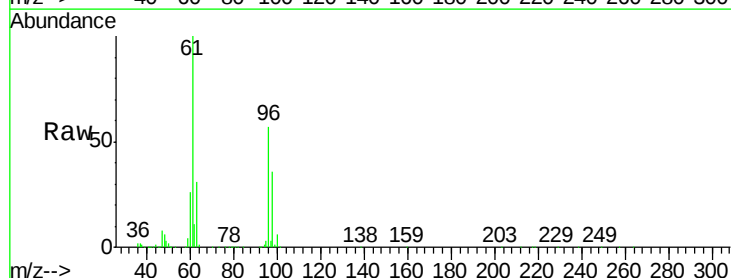
Manual Integrations
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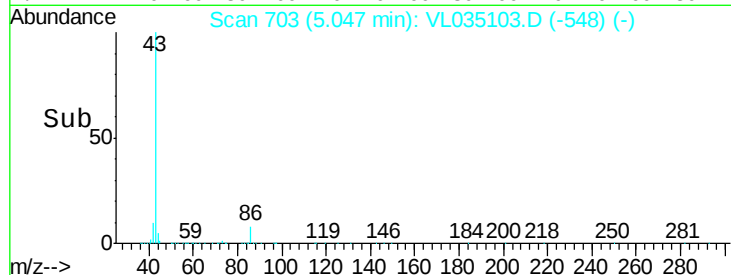
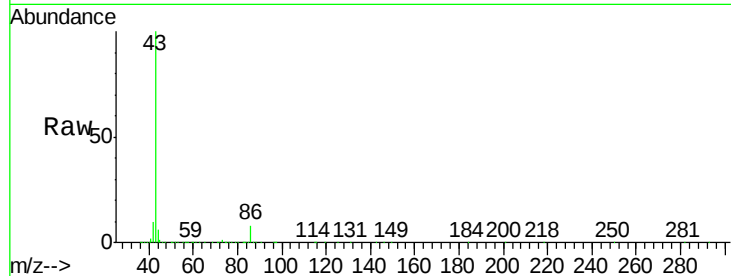
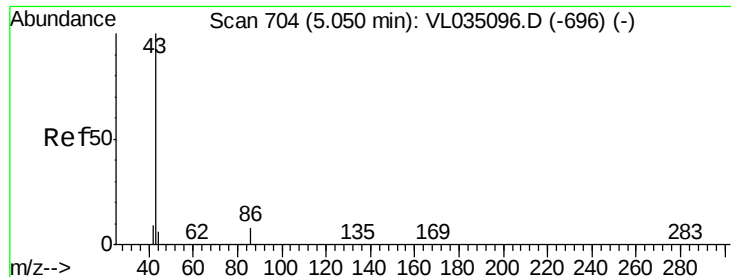
MMDadoda
6/22/2020 2:09:15 PM



#22
trans-1,2-Dichloroethene
Concen: 9.719 ppbv
RT: 4.85 min Scan# 643
Delta R.T. -0.01 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.6	134.5	201.7
98	63.0	52.6	79.0





#23

Vinyl Acetate

Concen: 10.661 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Tot Ion:	43	Resp:	2140436
Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.2	9.2
42	9.8	8.1	12.1
44	5.3	4.6	7.0

Instrument :

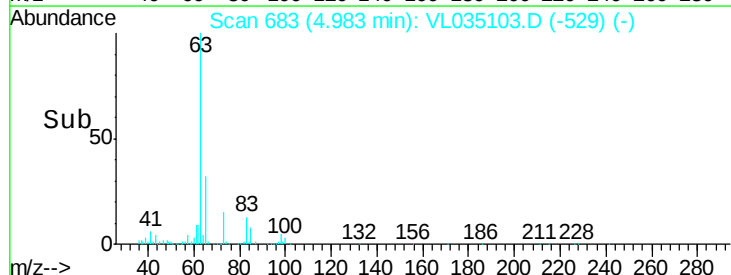
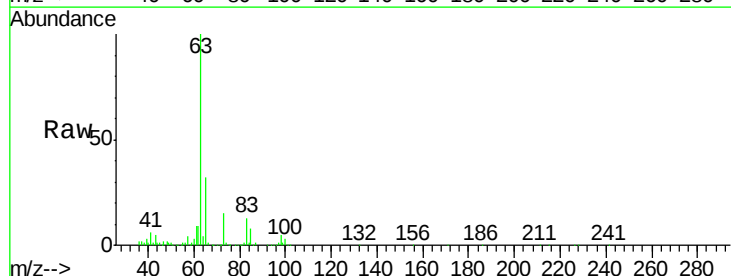
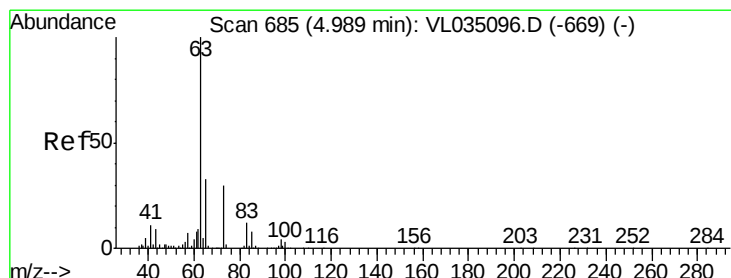
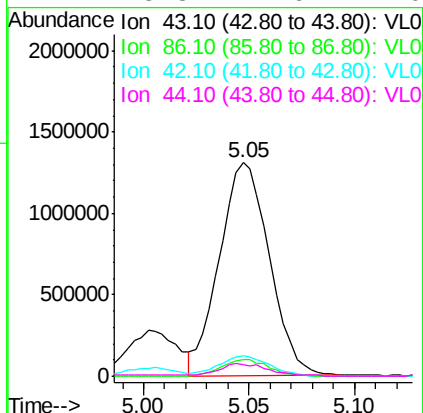
MSVOA_L

ClientSampleId :

ICVVL061920

Manual Integrations
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6/22/2020 2:09:15 PM



#24

1,1-Dichloroethane

Concen: 9.331 ppbv

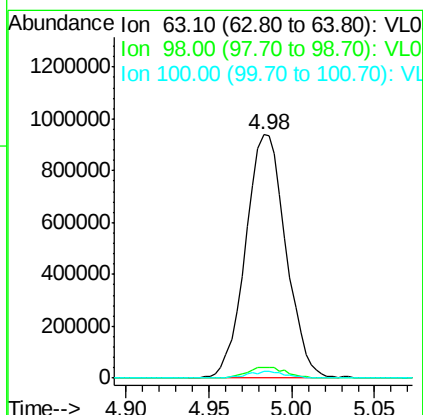
RT: 4.98 min Scan# 683

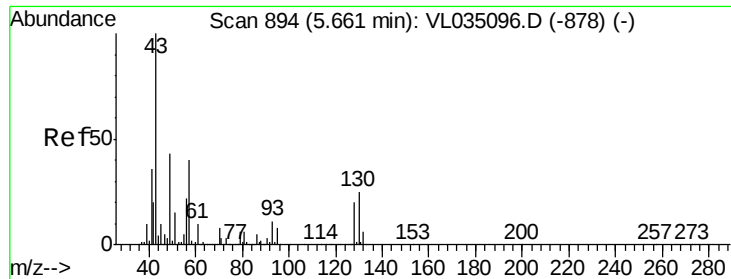
Delta R.T. -0.01 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Tgt Ion:	63	Resp:	1579354
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.9
100	2.5	1.4	4.0





#25

Ethyl Acetate

Concen: 9.387 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion: 43 Resp: 2801942

Ion Ratio Lower Upper

43 100

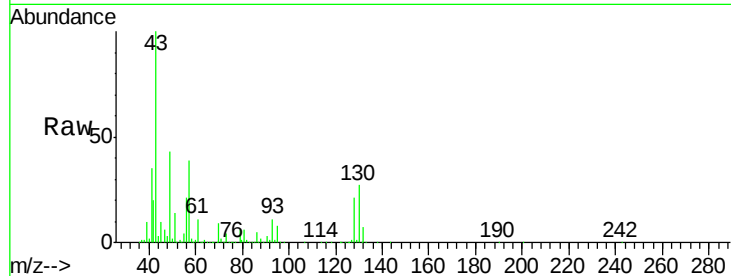
45 10.3 8.4 12.6

61 10.1 8.0 12.0

70 7.9 6.3 9.5

Manual Integrations
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MMDadoda
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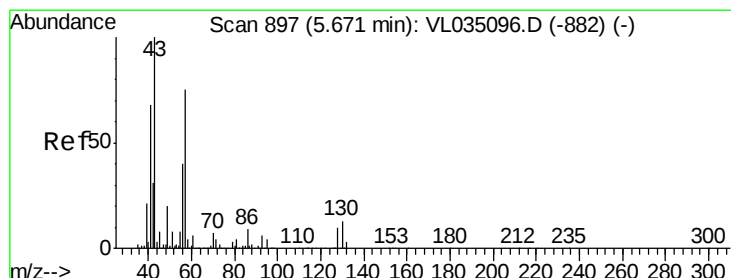
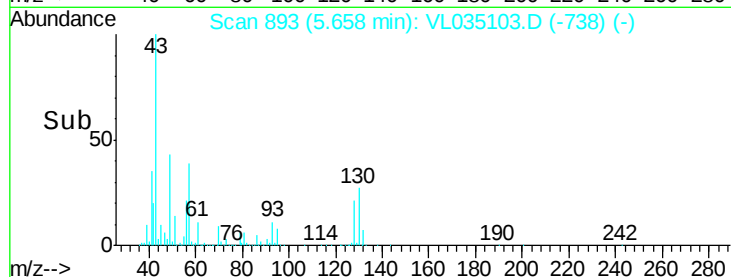
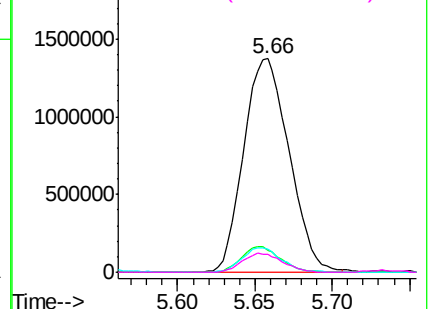
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.273 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Tgt Ion: 57 Resp: 1247971

Ion Ratio Lower Upper

57 100

41 90.2 72.9 109.3

43 225.7 181.3 271.9

56 53.4 43.1 64.7

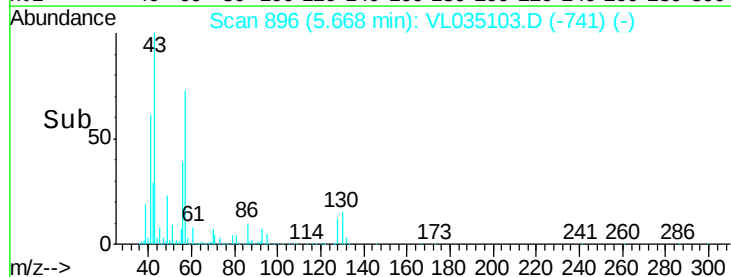
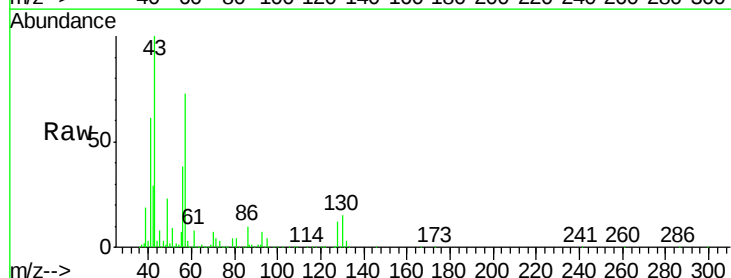
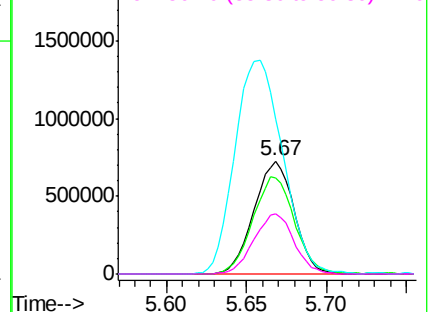
Abundance

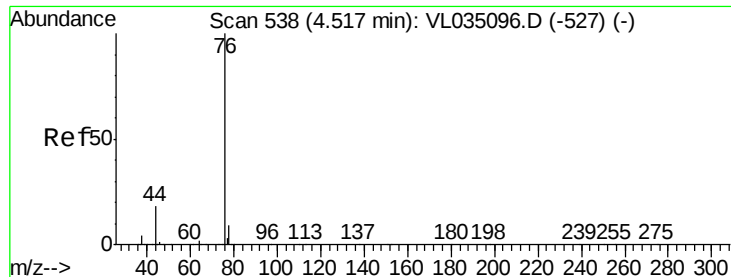
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.449 ppbv

RT: 4.52 min Scan# 538

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion: 76 Resp: 1455217

Ion Ratio Lower Upper

76 100

44 18.7 15.8 23.8

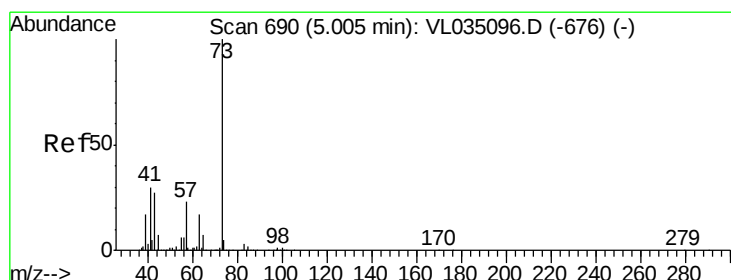
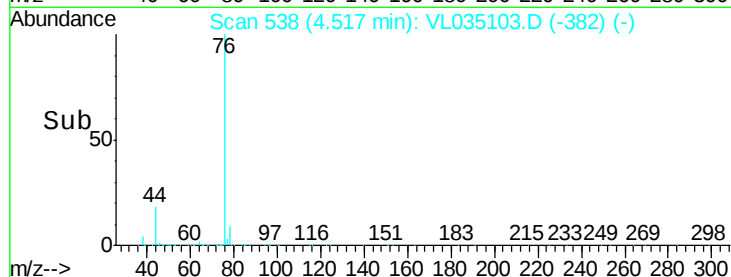
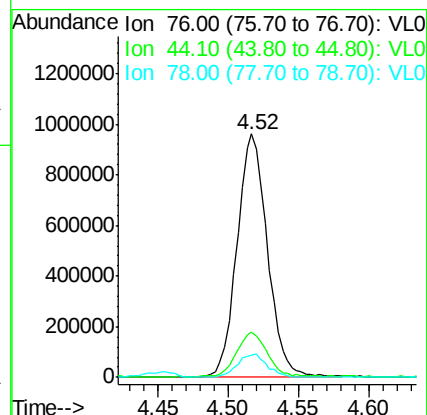
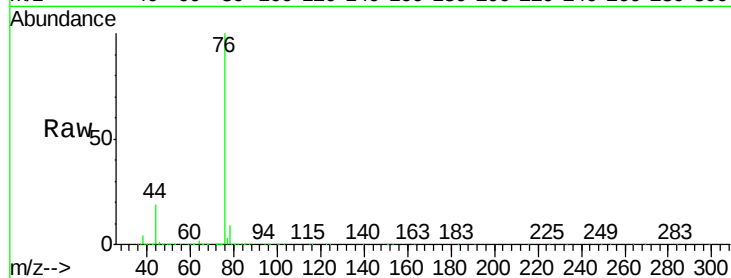
78 9.5 7.6 11.4

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#28

Methyl tert-Butyl Ether

Concen: 10.012 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL035103.D

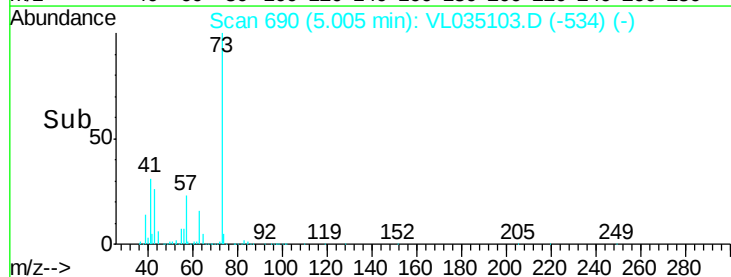
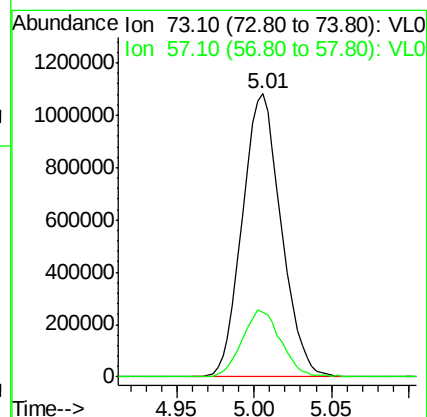
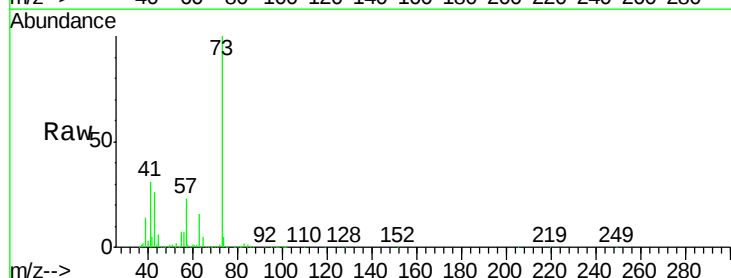
Acq: 19 Jun 2020 20:26

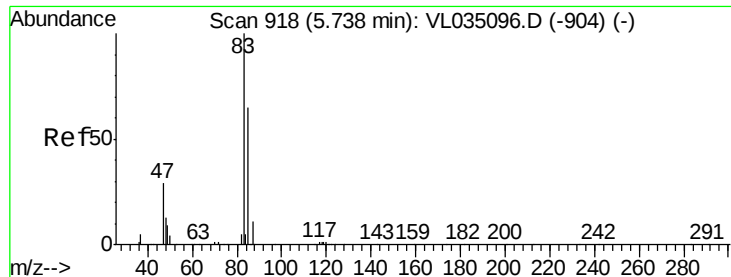
Tgt Ion: 73 Resp: 1893155

Ion Ratio Lower Upper

73 100

57 23.6 18.5 27.7





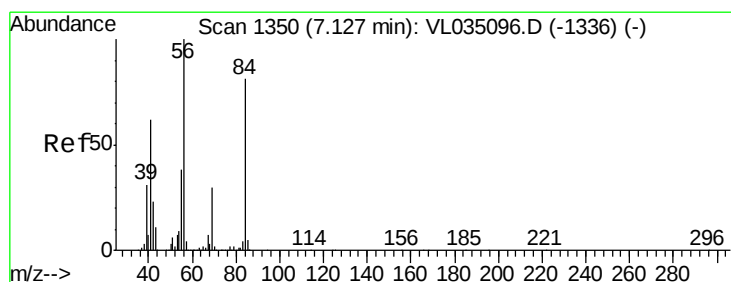
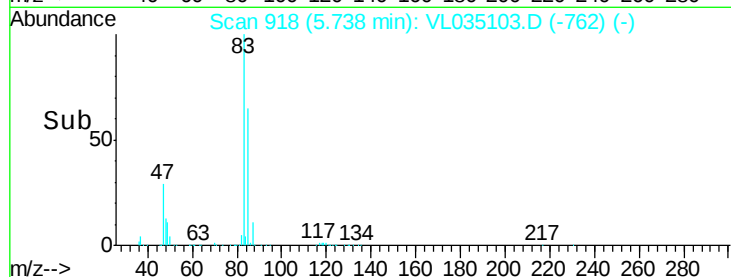
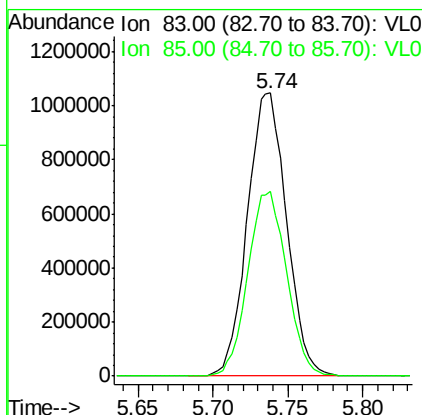
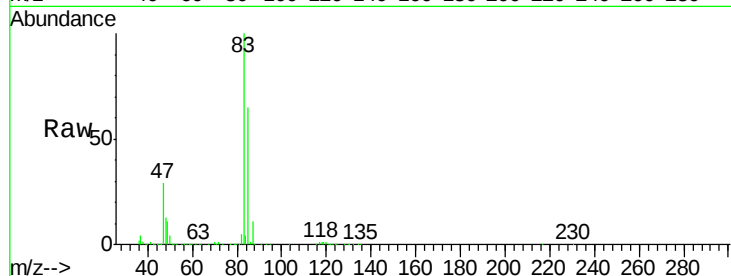
#29
Chloroform
Concen: 9.054 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061920

Tot Ion: 83 Resp: 1906929
Ion Ratio Lower Upper
83 100
85 65.4 52.1 78.1

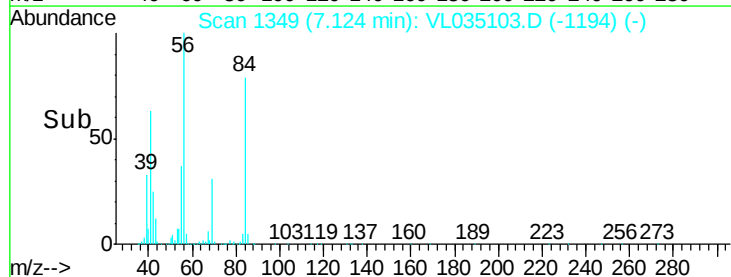
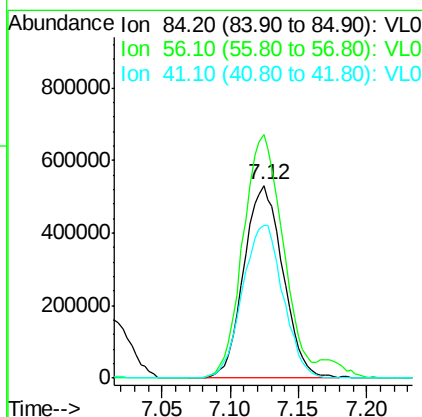
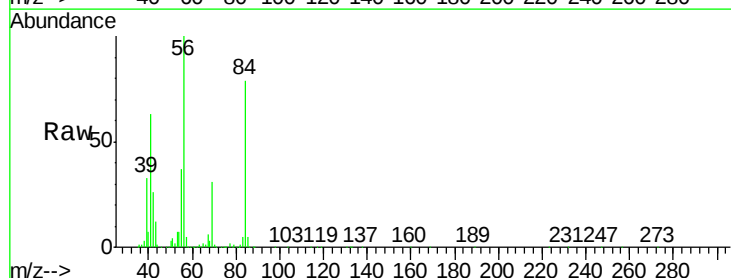
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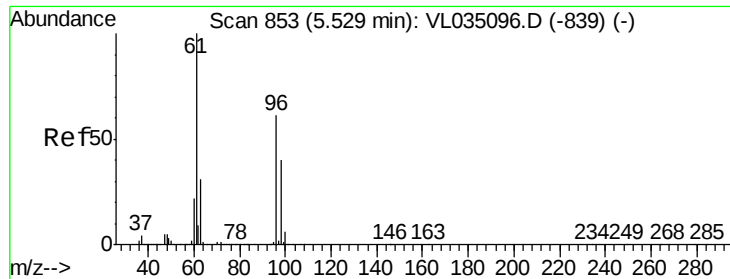
MMDadoda
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#30
Cyclohexane
Concen: 10.951 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 84 Resp: 1057734
Ion Ratio Lower Upper
84 100
56 135.7 108.0 162.0
41 82.3 65.6 98.4





#31

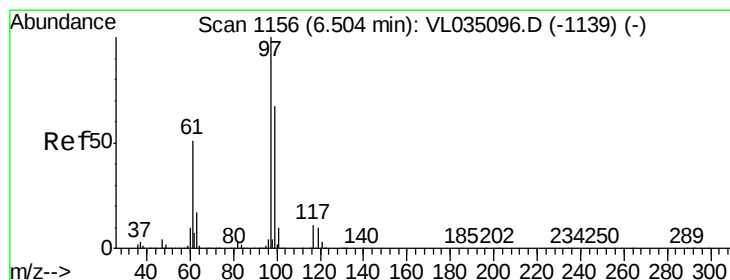
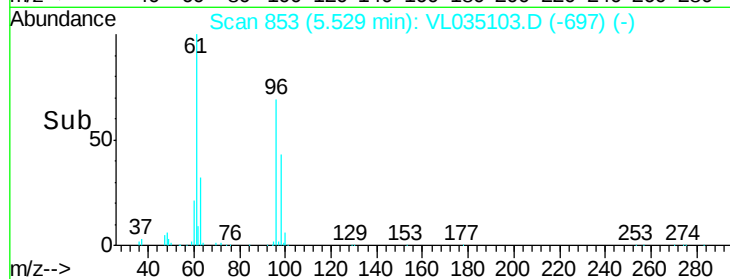
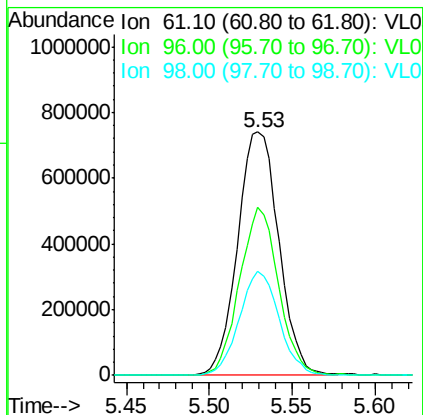
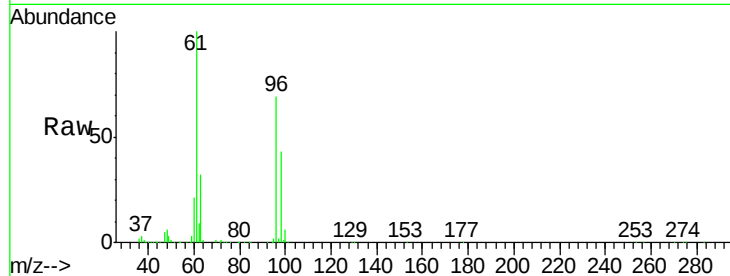
cis-1,2-Dichloroethene
Concen: 10.294 ppbv
RT: 5.53 min Scan# 853
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061920

Tot Ion	Ratio	Lower	Upper
61	100		
96	69.0	48.8	73.2
98	42.7	31.9	47.9

Manual Integrations
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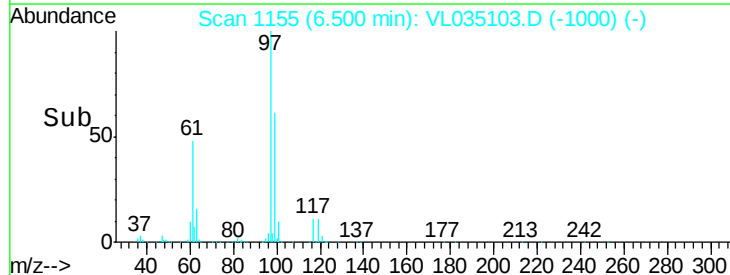
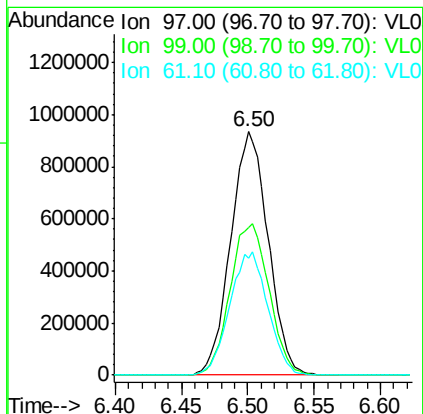
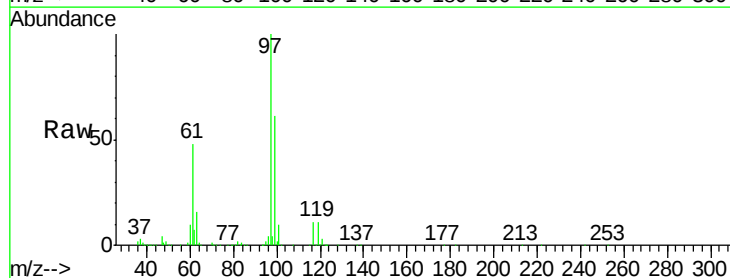
MMDadoda
6/22/2020 2:09:15 PM

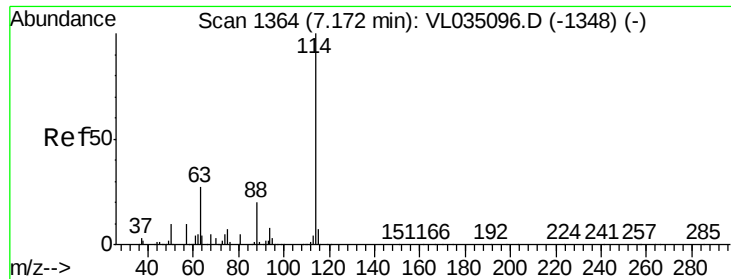


#32

1,1,1-Trichloroethane
Concen: 9.365 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	51.8	41.0	61.6





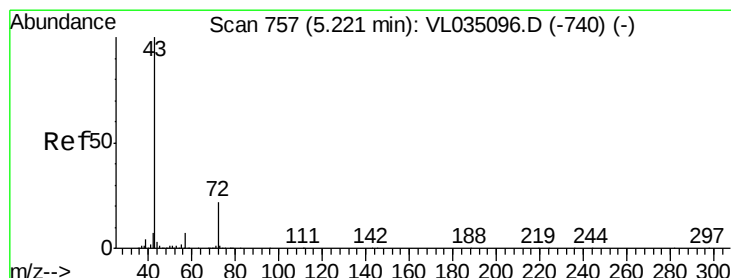
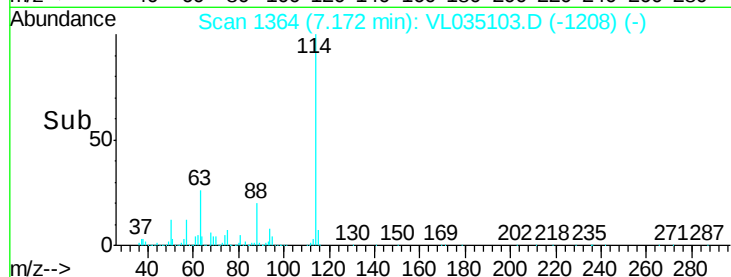
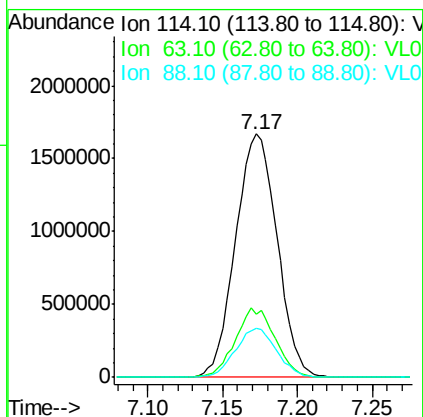
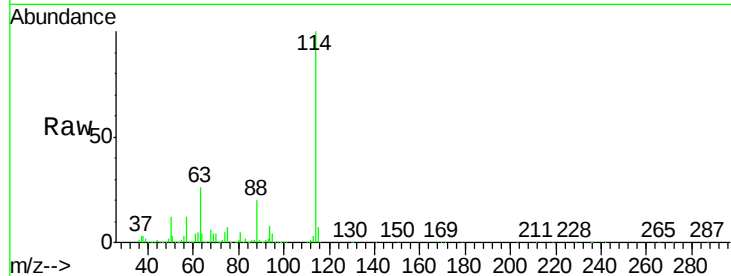
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061920

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.9	32.9
88	19.8	15.6	23.4

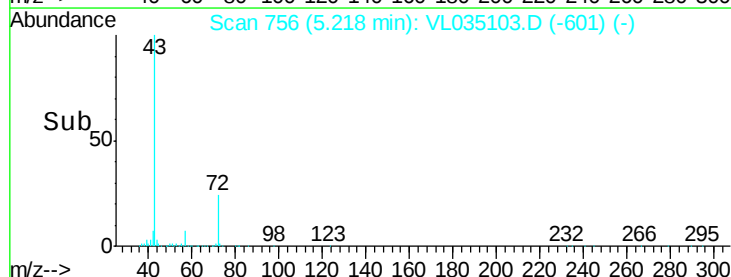
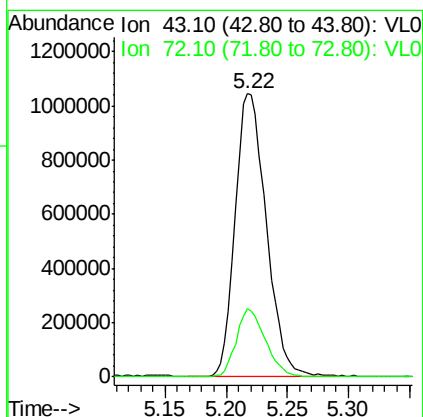
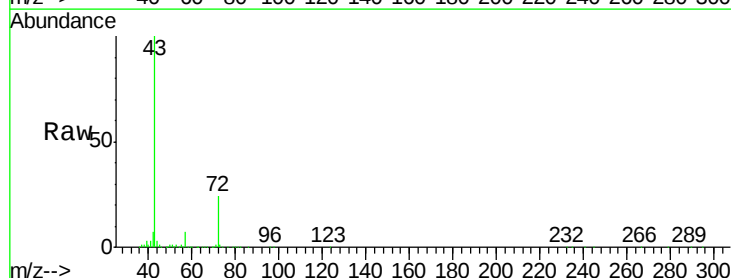
Manual Integrations
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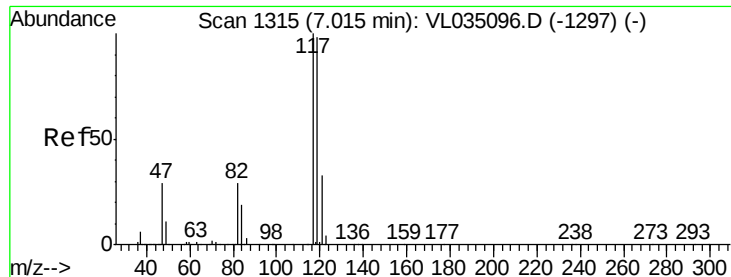
MMDadoda
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#34
 2-Butanone
 Concen: 9.931 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.3	27.5





#35

Carbon Tetrachloride

Concen: 9.657 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion:117 Resp: 1868922

Ion Ratio Lower Upper

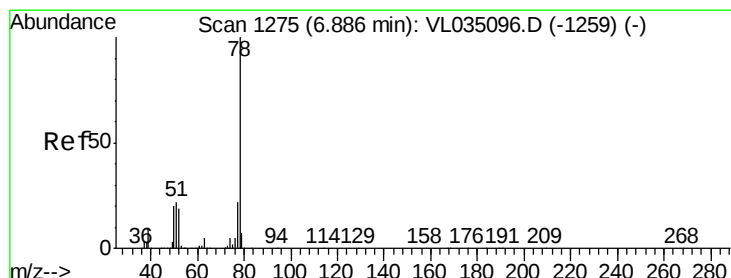
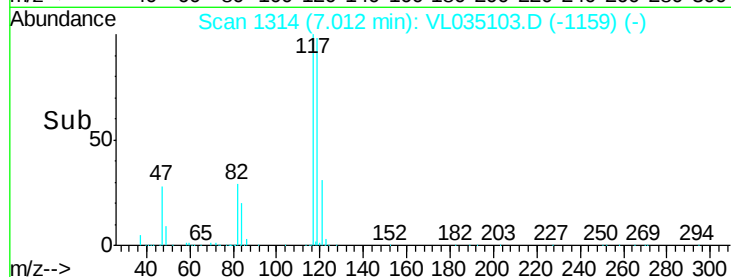
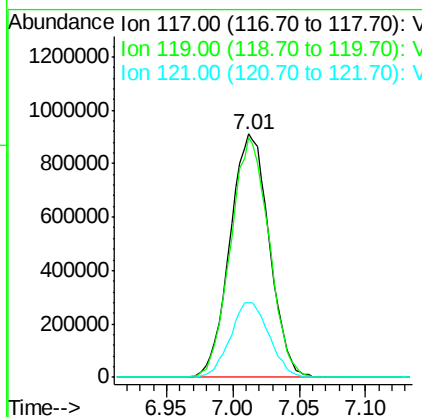
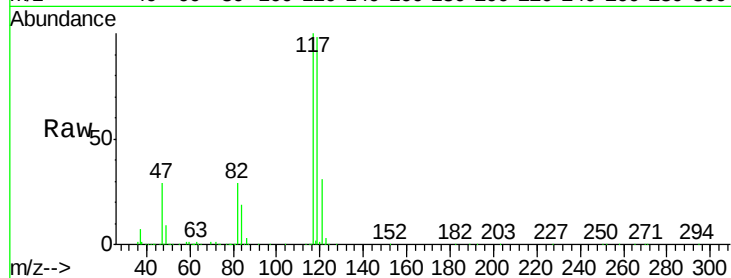
117 100

119 98.2 78.3 117.5

121 30.7 26.0 39.0

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#36

Benzene

Concen: 9.999 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

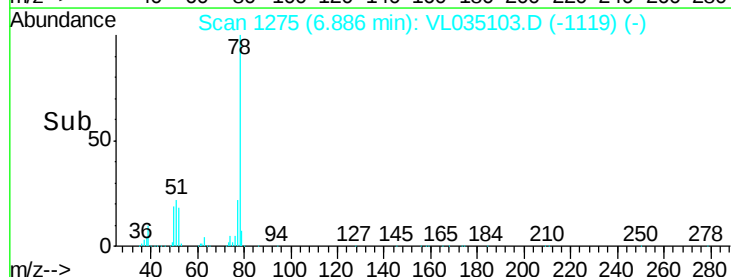
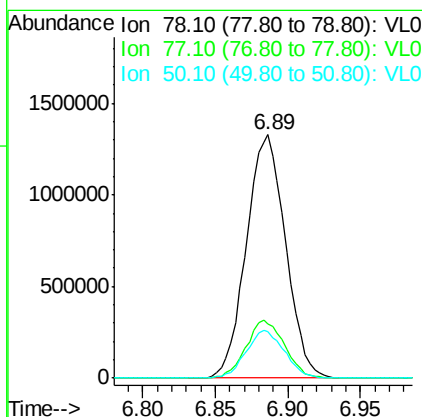
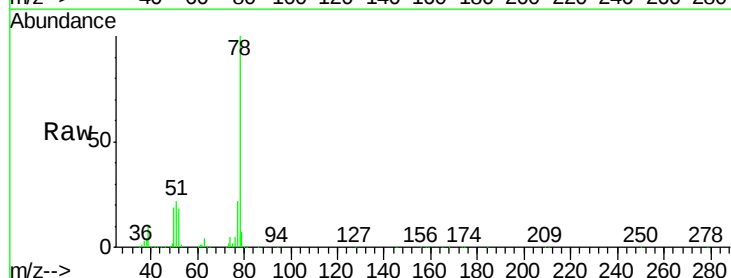
Tgt Ion: 78 Resp: 2498509

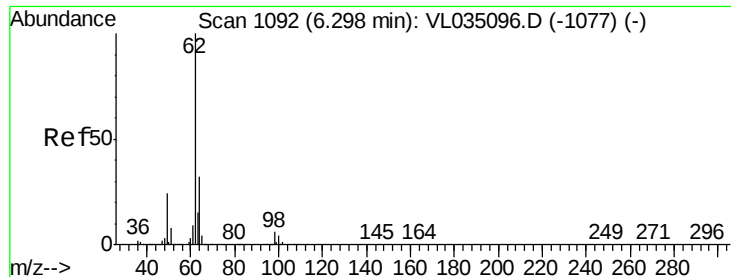
Ion Ratio Lower Upper

78 100

77 22.2 17.8 26.6

50 19.3 16.2 24.2





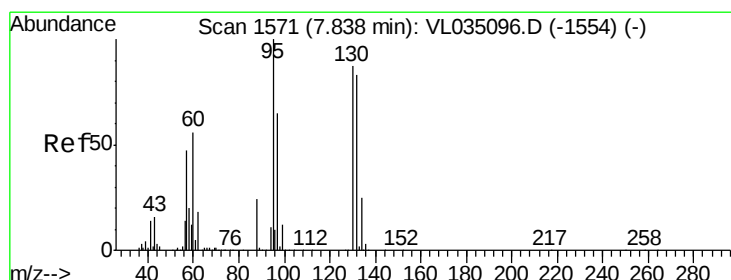
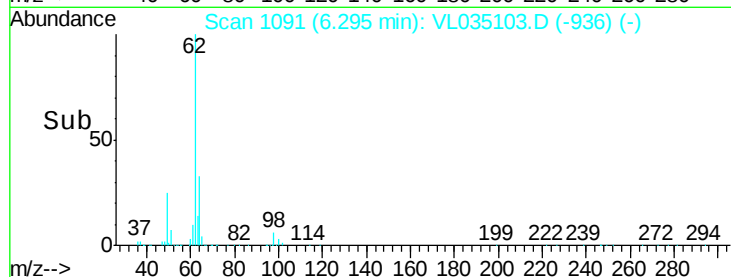
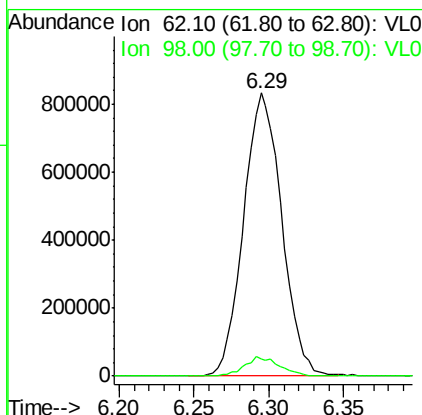
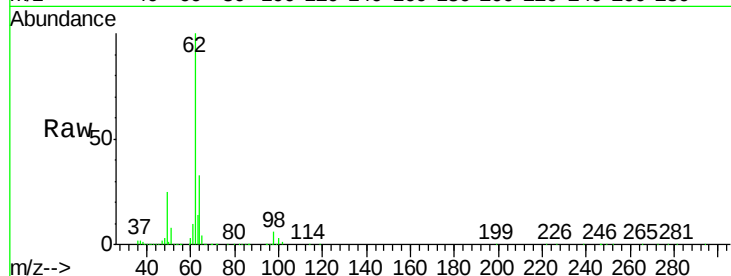
#37
 1,2-Dichloroethane
 Concen: 9.371 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061920

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.8	7.2

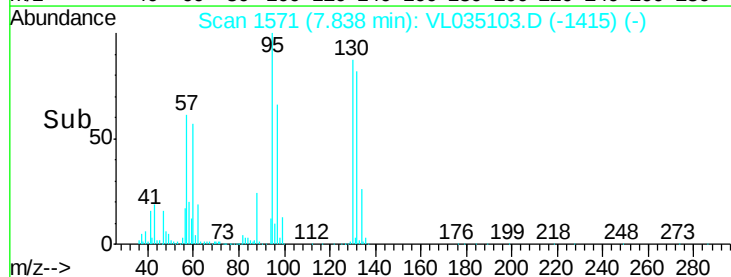
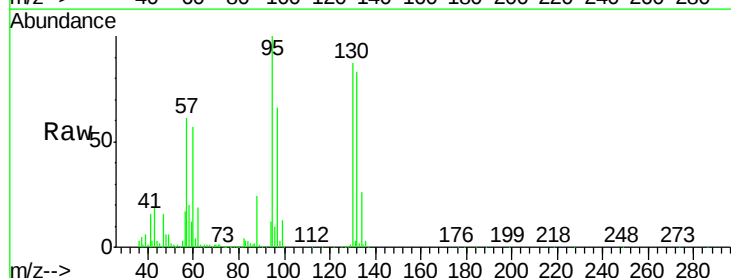
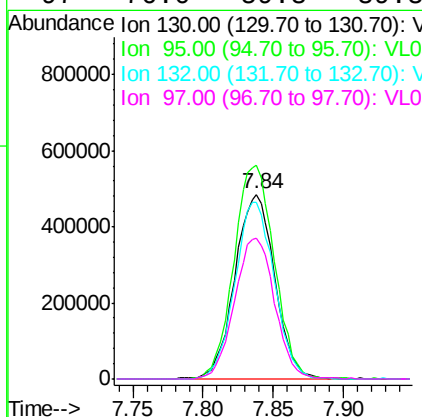
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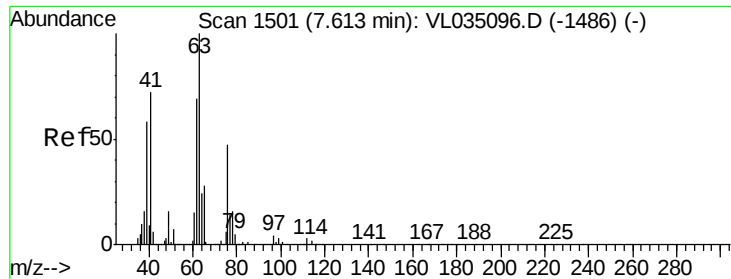
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#38
 Trichloroethene
 Concen: 9.872 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.4	91.4	137.2
132	95.1	75.8	113.6
97	76.0	59.8	89.8





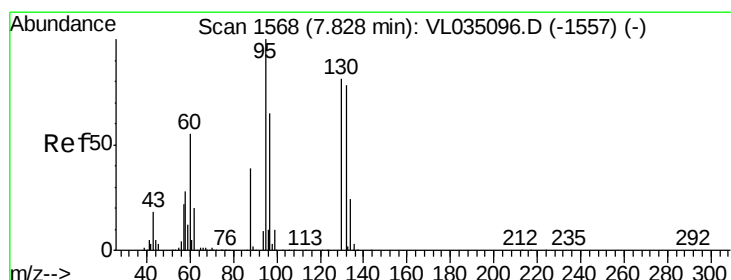
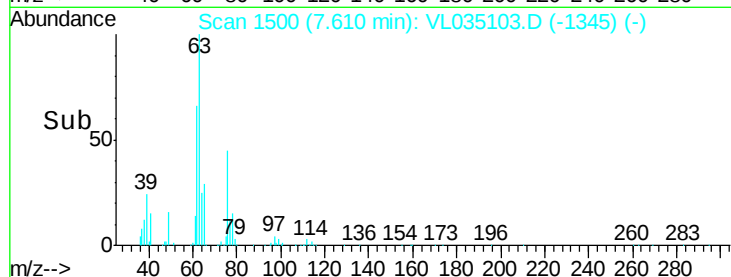
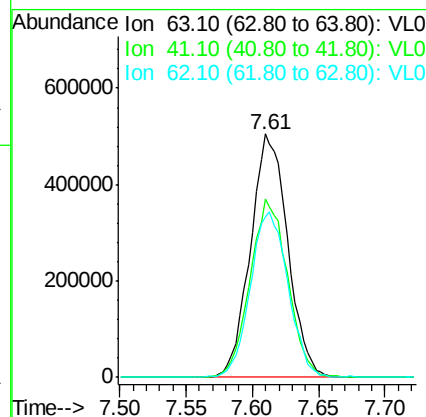
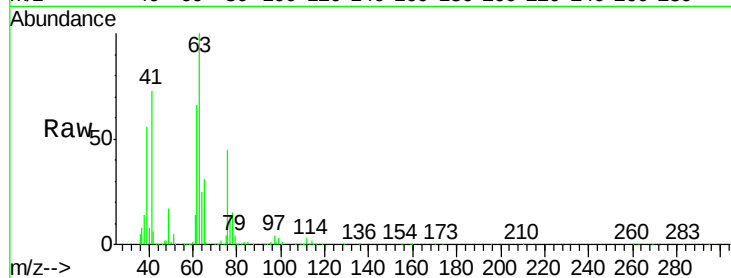
#39
 1,2-Dichloropropane
 Concen: 10.077 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061920

Tot Ion	Ratio	Lower	Upper
63	100		
41	72.9	58.0	87.0
62	65.7	55.4	83.0

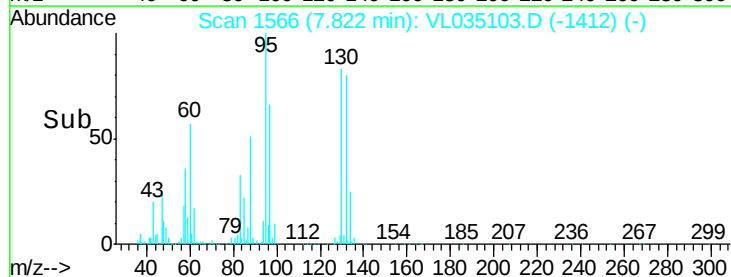
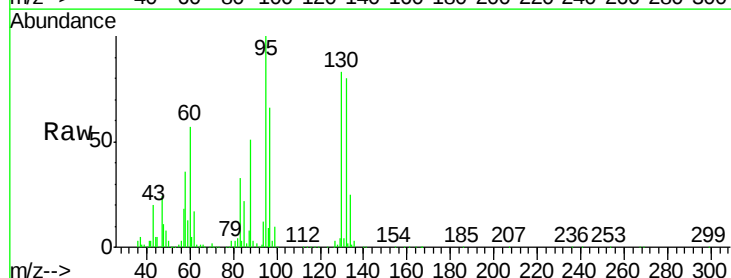
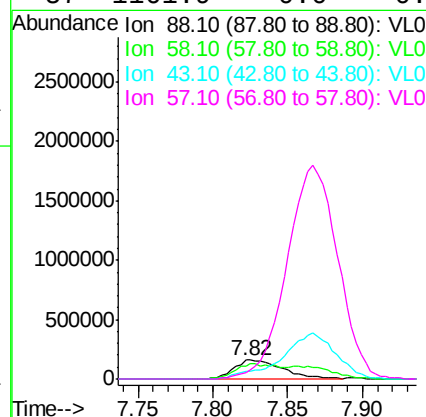
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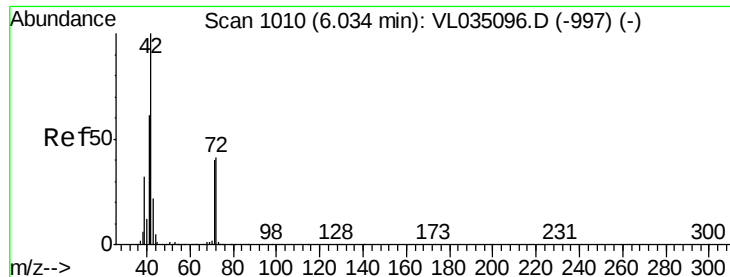
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#40
 1,4-Dioxane
 Concen: 9.486 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	132.3	110.2	165.4
43	263.0	0.0	0.0#
57	1161.9	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.966 ppbv

RT: 6.03 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion: 42 Resp: 1037890

Ion Ratio Lower Upper

42 100

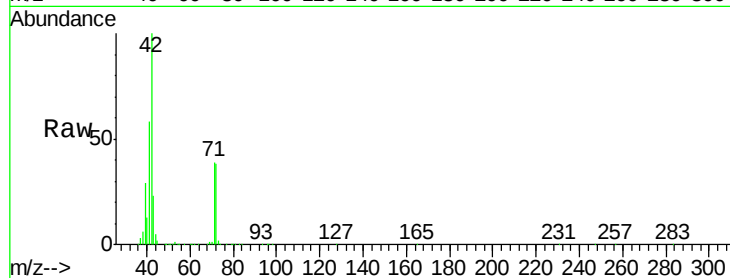
72 40.3 33.4 50.2

71 39.1 31.8 47.6

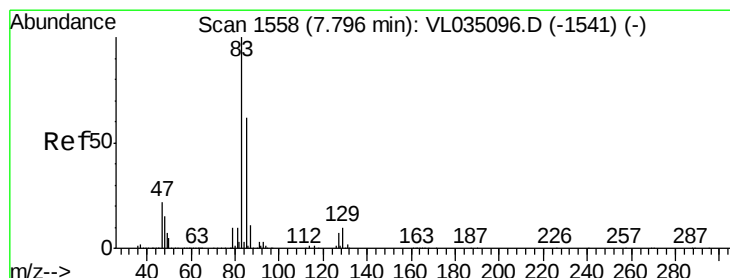
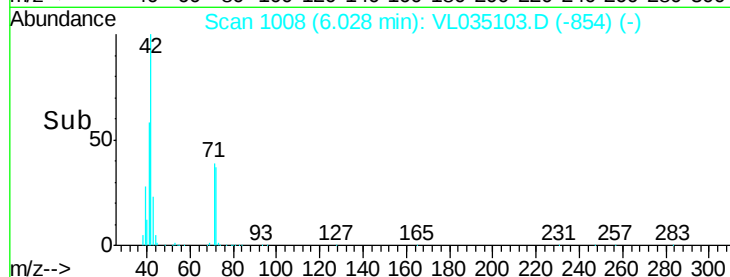
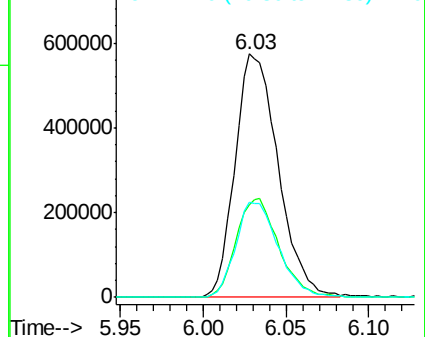
Manual Integrations
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Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.923 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

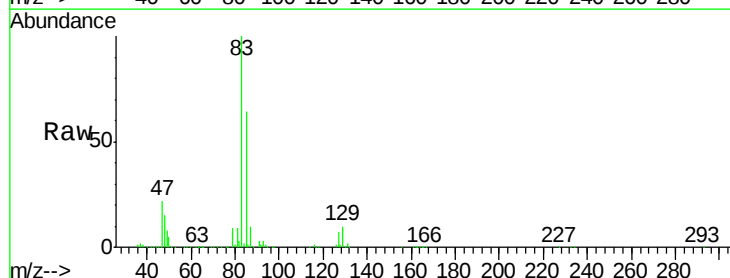
Tgt Ion: 83 Resp: 2029408

Ion Ratio Lower Upper

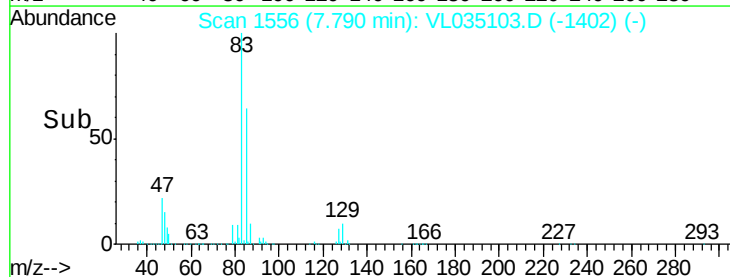
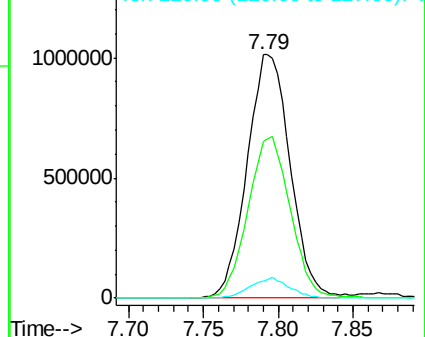
83 100

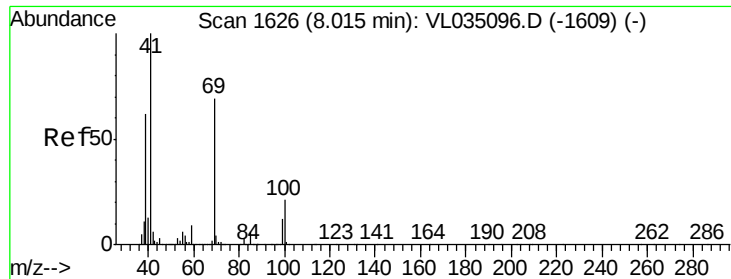
85 64.1 49.4 74.0

127 7.1 5.9 8.9



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





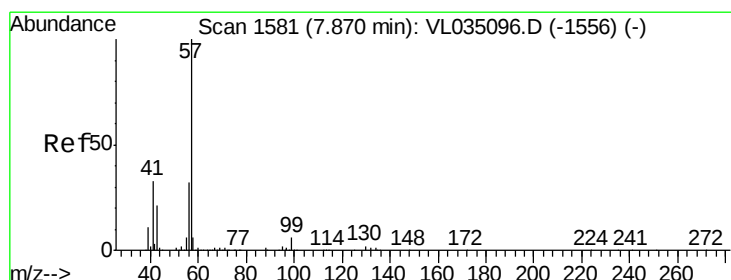
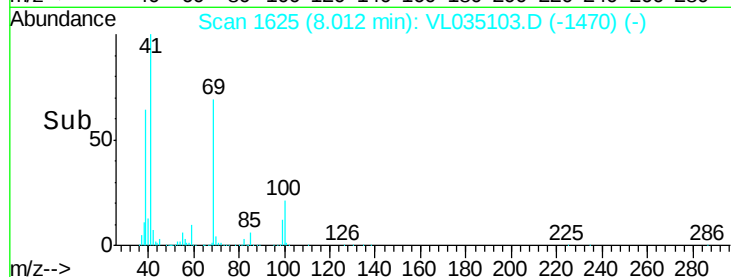
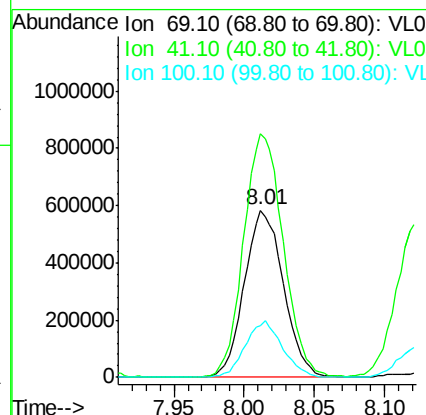
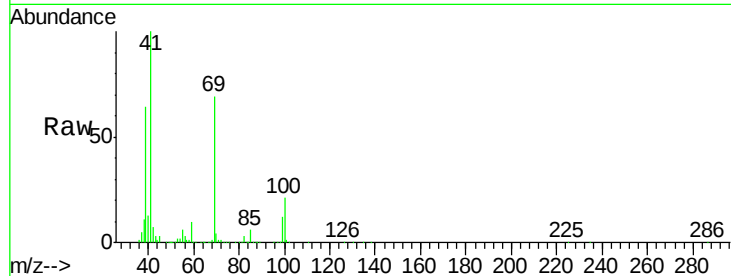
#43
Methvl Methacrilate
Concen: 10.737 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061920

Tot Ion: 69 Resp: 113551
Ion Ratio Lower Upper
69 100
41 147.5 116.4 174.6
100 32.2 25.3 37.9

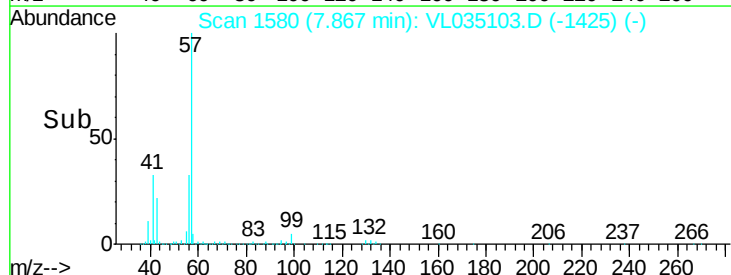
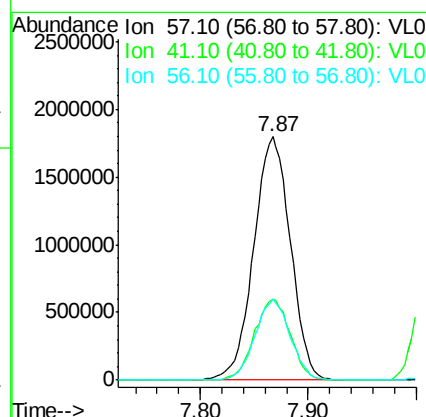
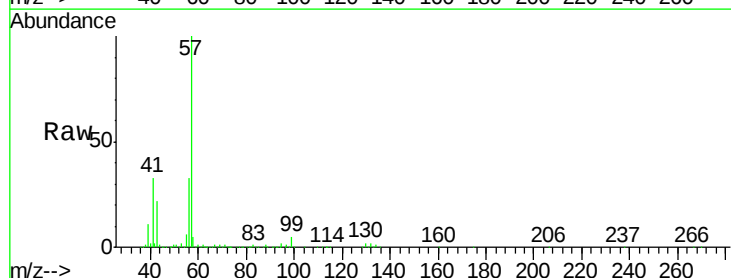
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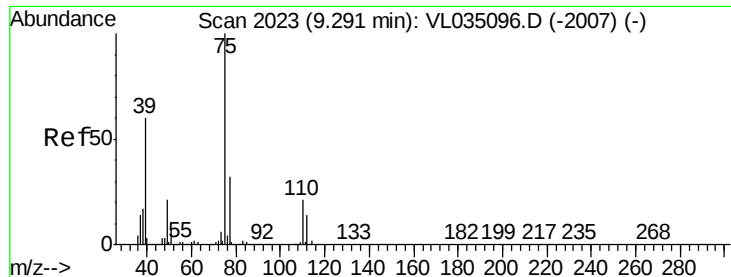
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.718 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 57 Resp: 4238034
Ion Ratio Lower Upper
57 100
41 32.6 26.2 39.2
56 31.8 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.182 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion: 75 Resp: 1253884

Ion Ratio Lower Upper

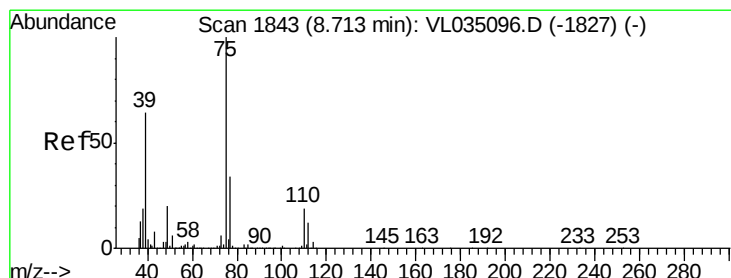
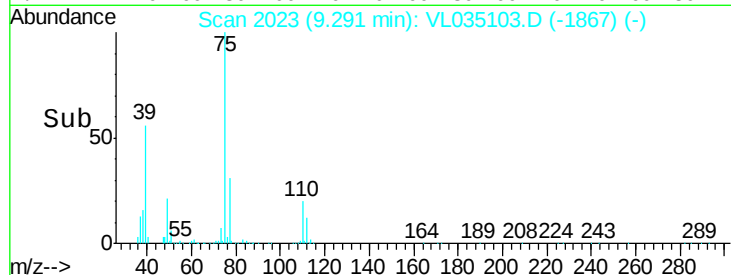
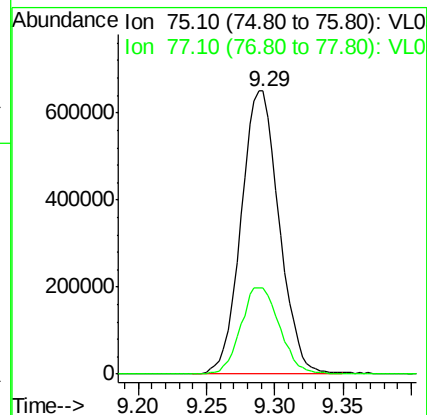
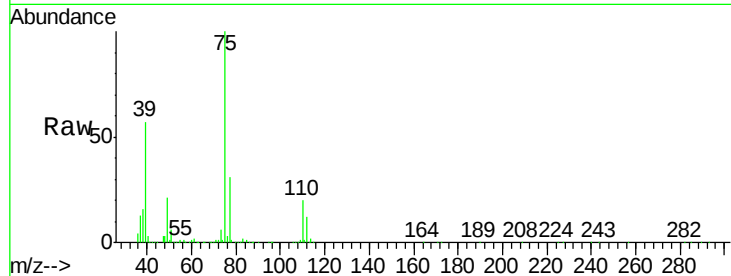
75 100

77 30.7 25.5 38.3

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#46

cis-1,3-Dichloropropene

Concen: 11.541 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

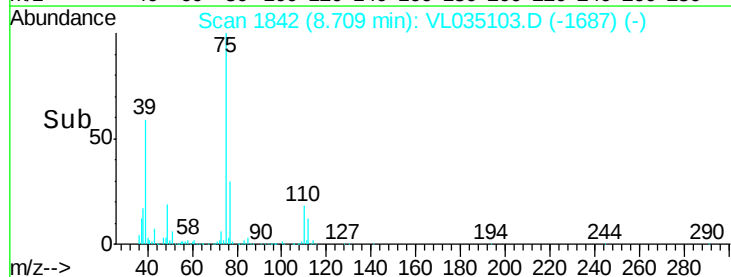
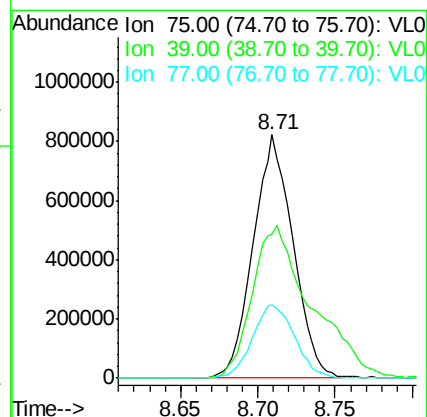
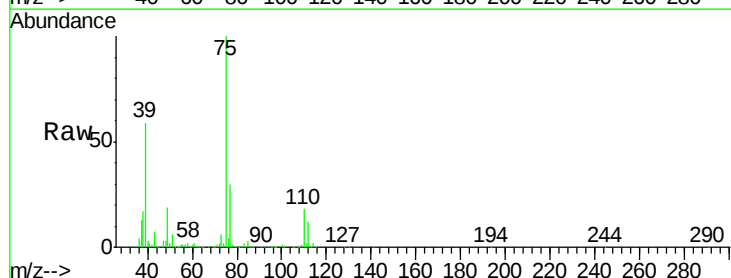
Tgt Ion: 75 Resp: 1475740

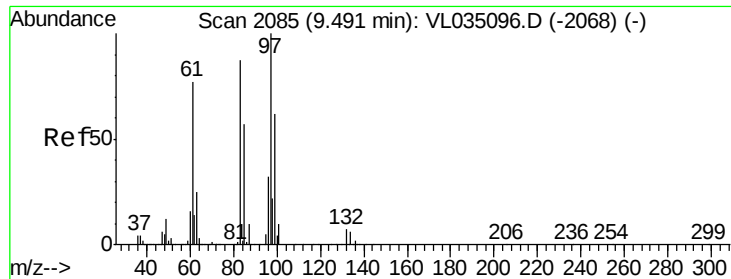
Ion Ratio Lower Upper

75 100

39 59.1 51.1 76.7

77 30.1 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 9.615 ppbv

RT: 9.49 min Scan# 2084

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion: 97 Resp: 1025573

Ion Ratio Lower Upper

97 100

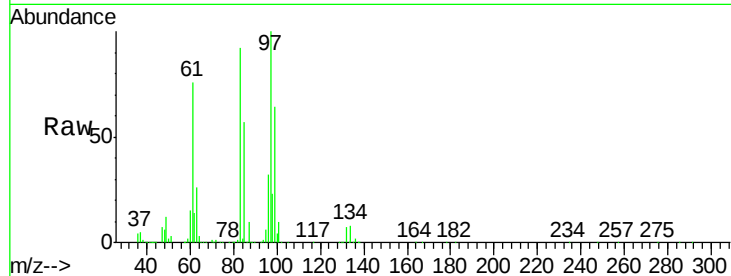
83 91.7 69.5 104.3

85 56.7 46.0 69.0

99 64.2 49.6 74.4

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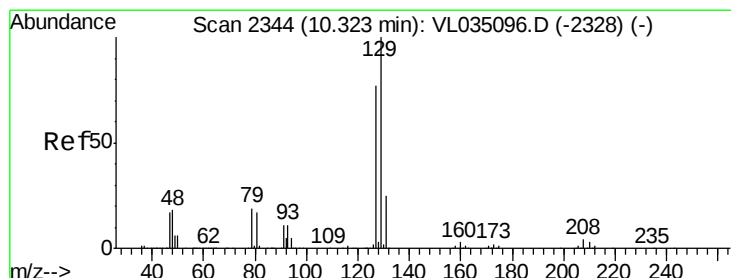
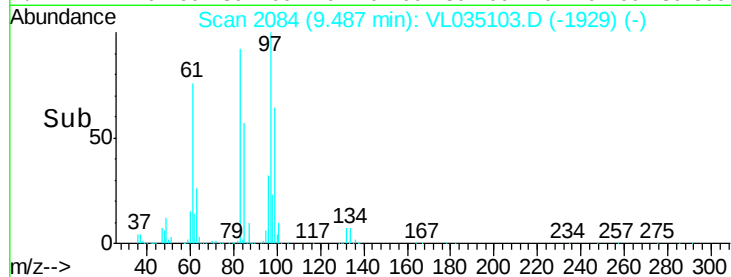
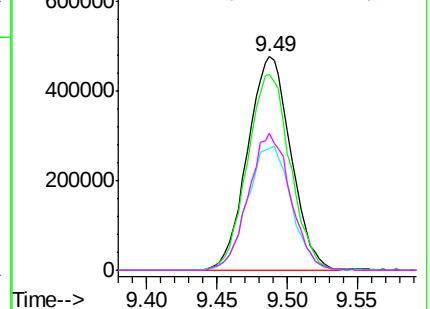


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.529 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. 0.00 min

Lab File: VL035103.D

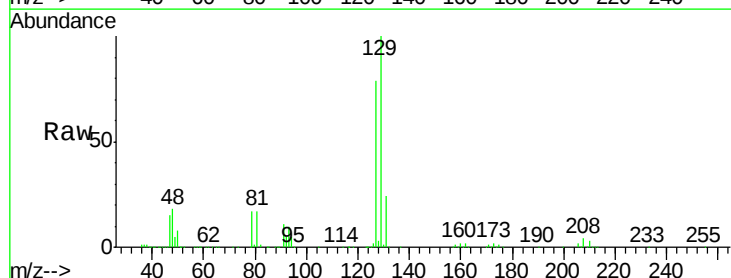
Acq: 19 Jun 2020 20:26

Tgt Ion:129 Resp: 1674146

Ion Ratio Lower Upper

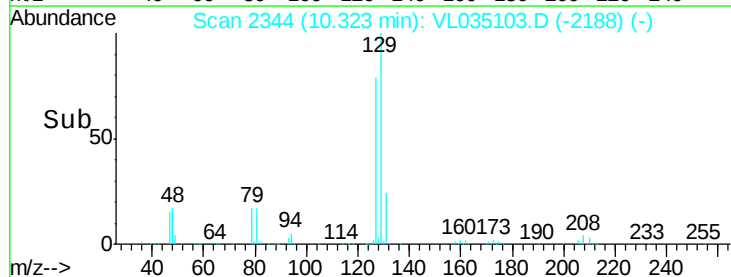
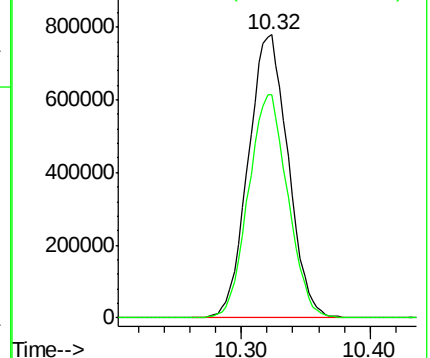
129 100

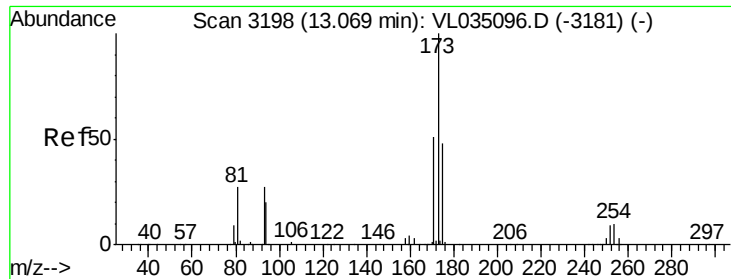
127 78.0 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





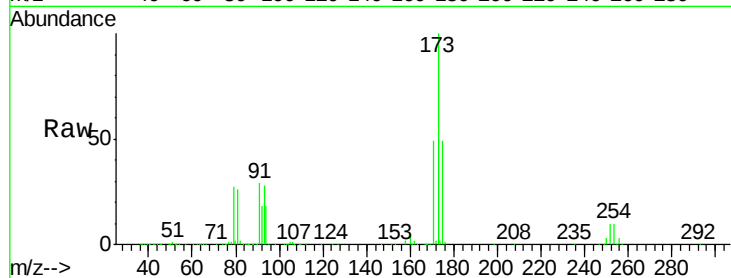
#49
Bromoform
Concen: 10.665 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061920

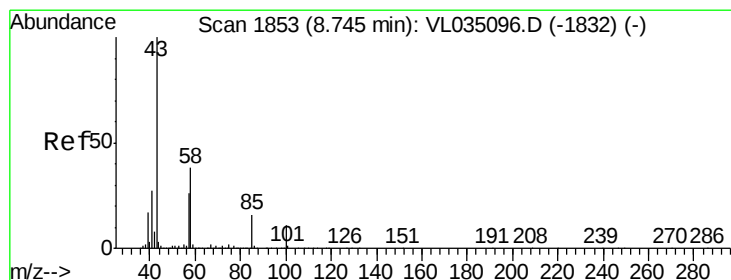
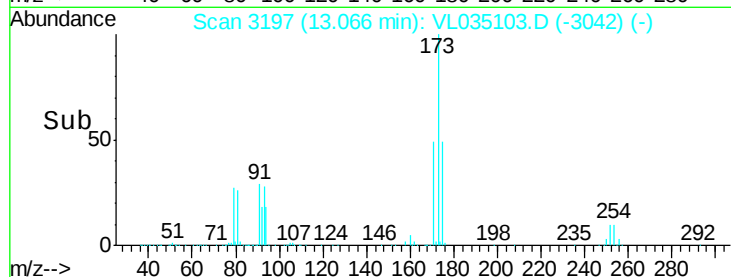
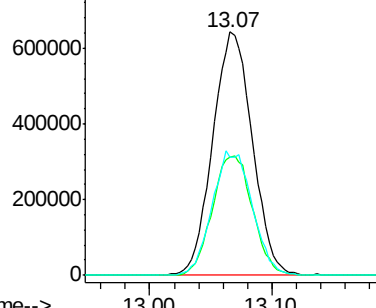
Tot Ion:173 Resp: 1440644
Ion Ratio Lower Upper
173 100
175 49.9 39.1 58.7
171 51.6 41.7 62.5

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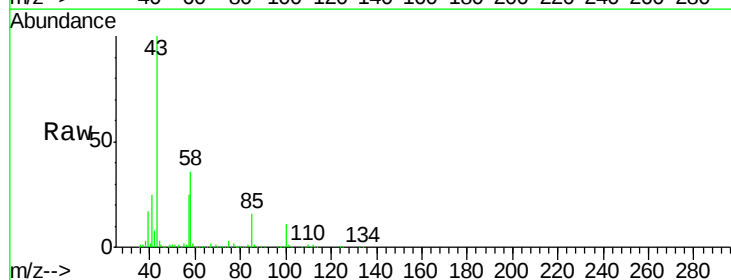


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

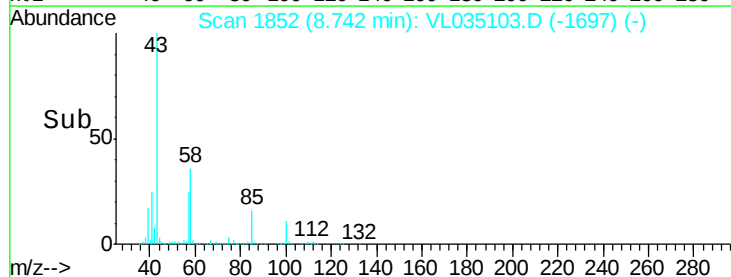
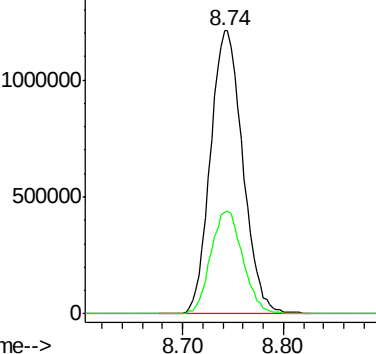


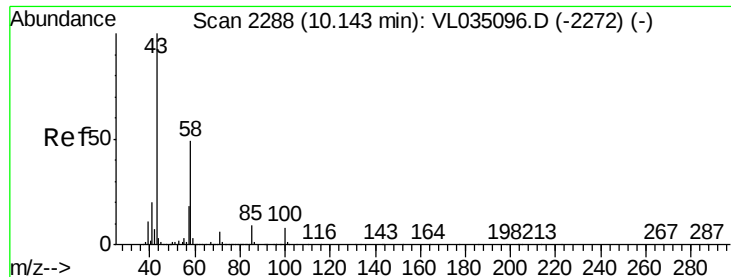
#50
4-Methyl-2-Pentanone
Concen: 10.206 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 43 Resp: 2687162
Ion Ratio Lower Upper
43 100
58 36.2 29.4 44.0



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





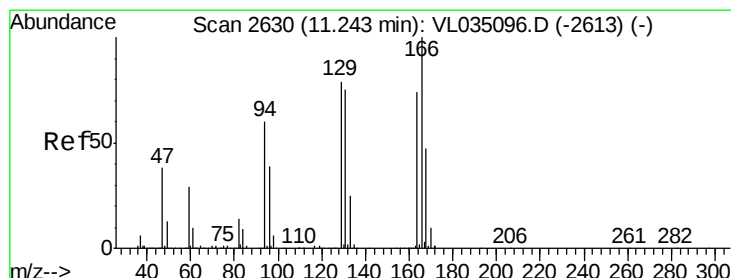
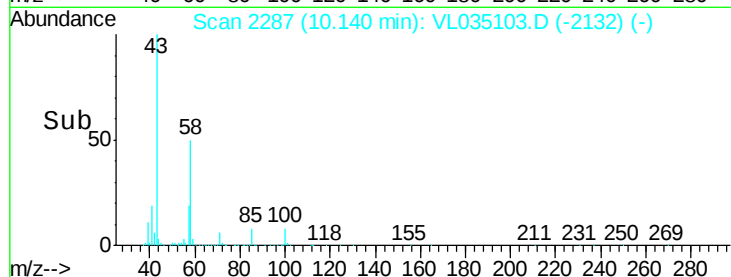
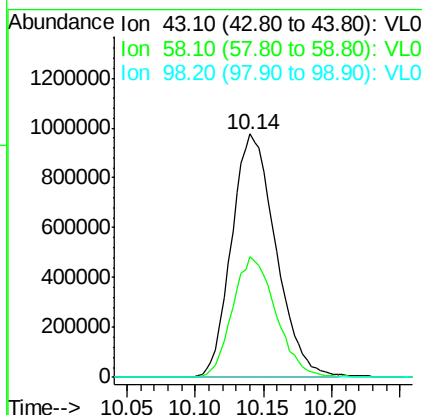
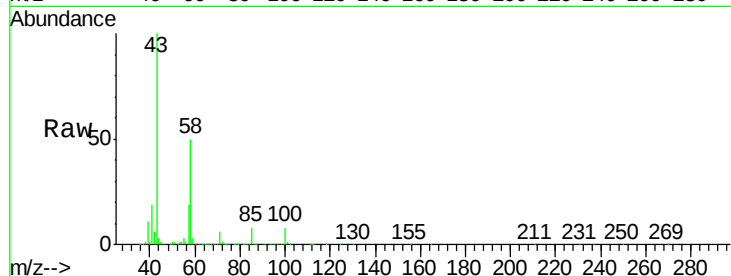
#51
2-Hexanone
Concen: 10.622 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061920

Tot Ion: 43 Resp: 2190156
Ion Ratio Lower Upper
43 100
58 49.2 39.2 58.8
98 0.3 0.3 0.5

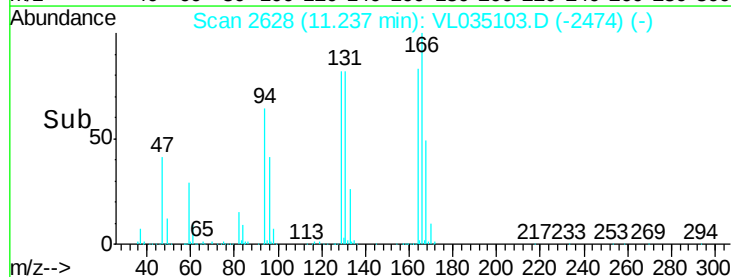
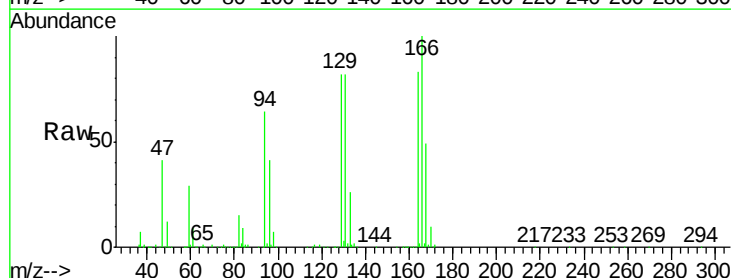
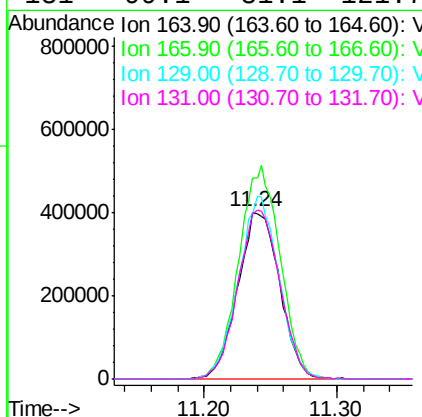
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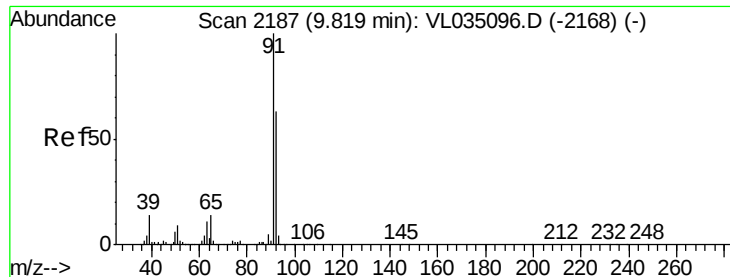
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#52
Tetrachloroethene
Concen: 9.967 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 164 Resp: 877497
Ion Ratio Lower Upper
164 100
166 120.4 107.5 161.3
129 98.7 84.9 127.3
131 99.1 81.1 121.7





#53

Toluene

Concen: 10.730 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion: 91 Resp: 2859775

Ion Ratio Lower Upper

91 100

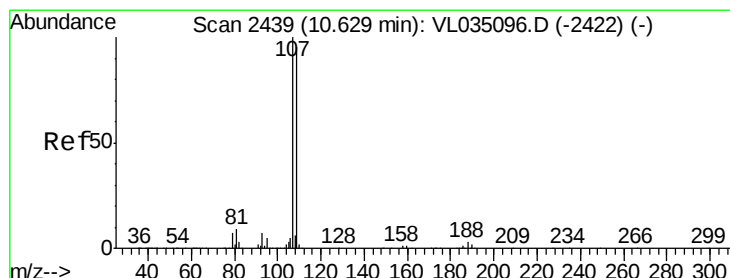
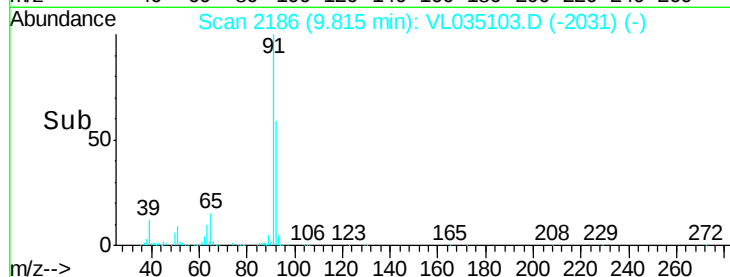
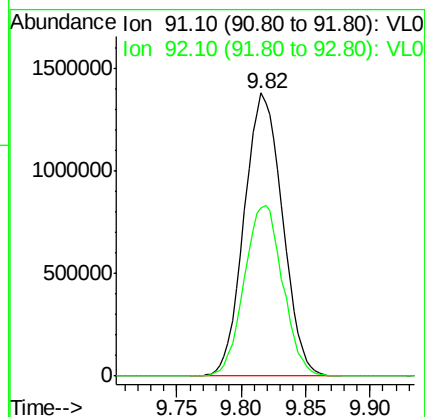
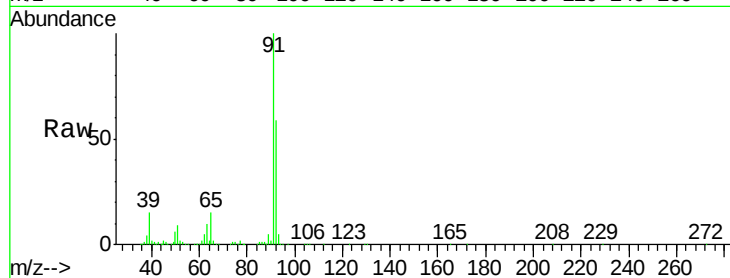
92 60.6 49.0 73.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.901 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL035103.D

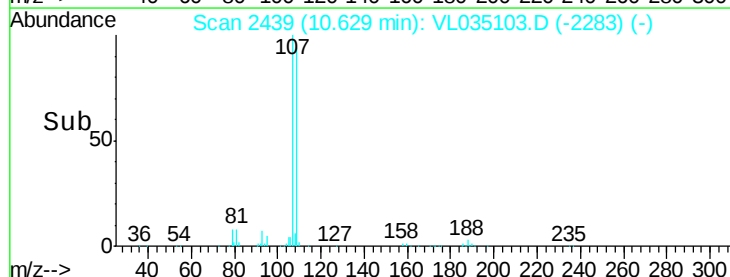
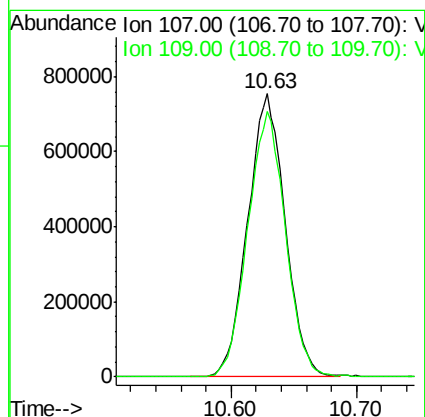
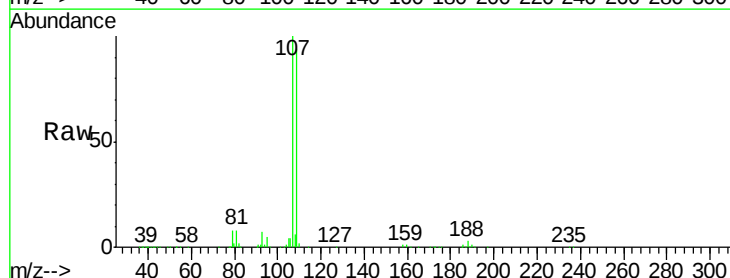
Acq: 19 Jun 2020 20:26

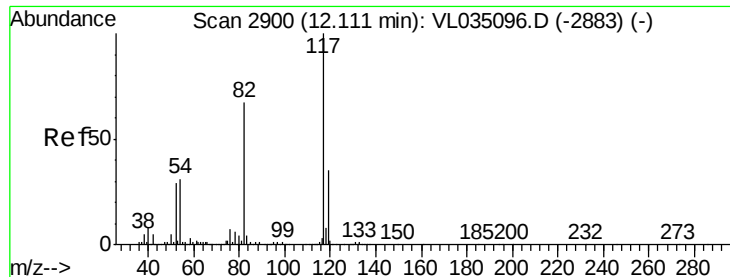
Tgt Ion:107 Resp: 1563588

Ion Ratio Lower Upper

107 100

109 93.7 75.9 113.9





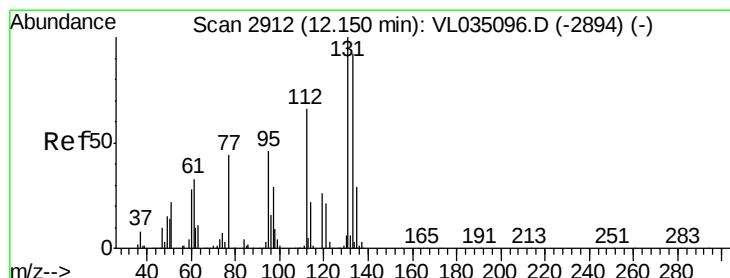
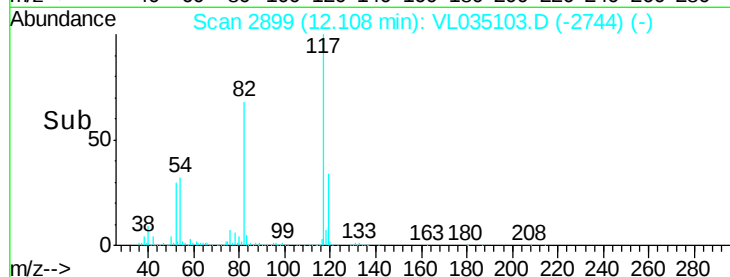
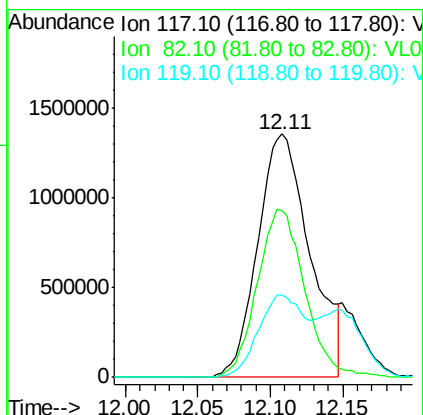
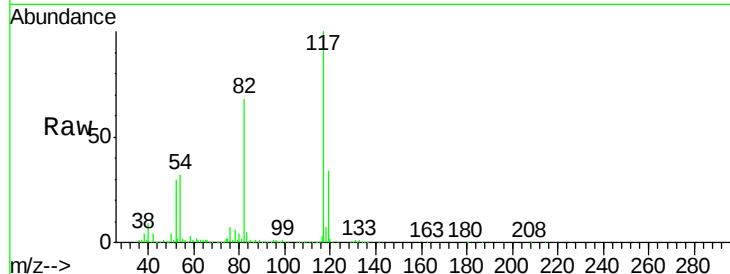
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061920

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.4	50.4	75.6
119	53.8	25.4	38.0

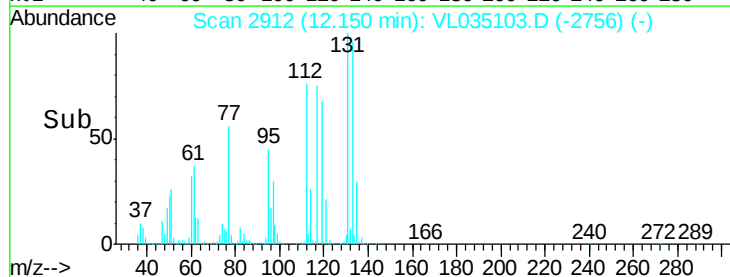
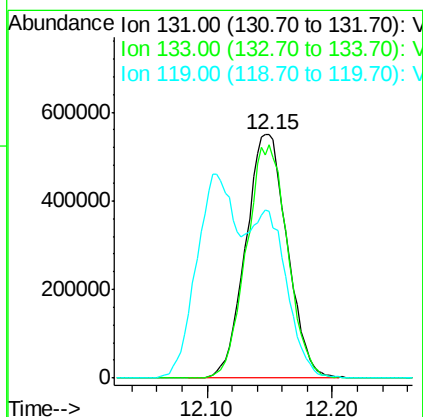
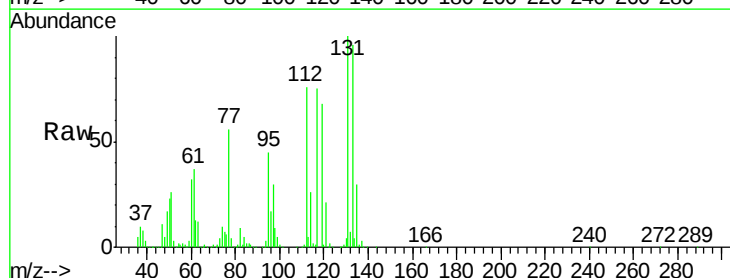
Manual Integrations
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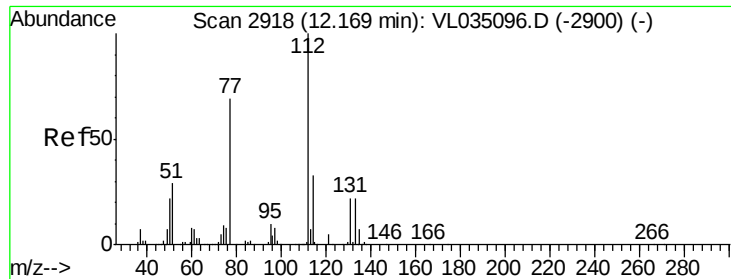
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.130 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.2	114.4
119	59.7	114.6	172.0





#57

Chlorobenzene

Concen: 8.638 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion:112 Resp: 2153447

Ion Ratio Lower Upper

112 100

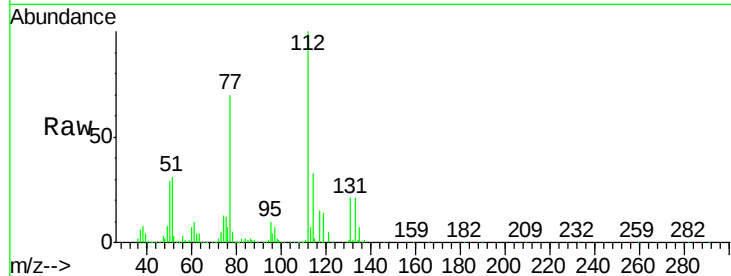
77 70.1 56.7 85.1

114 33.0 29.3 35.9

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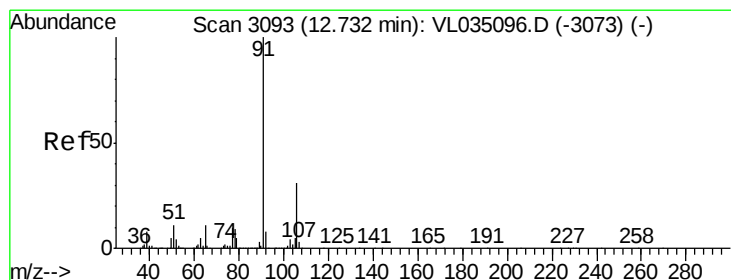
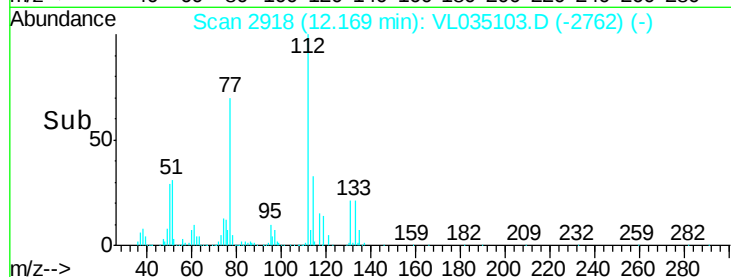
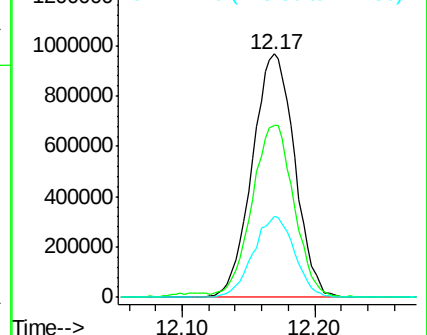
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.956 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.00 min

Lab File: VL035103.D

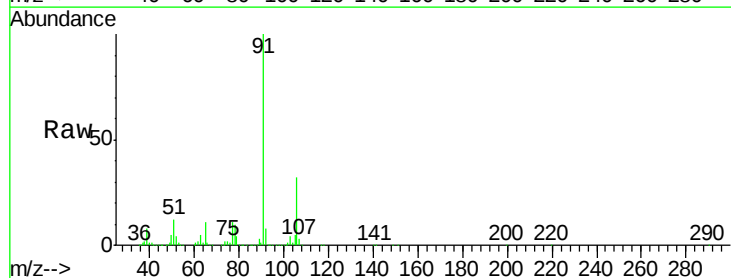
Acq: 19 Jun 2020 20:26

Tgt Ion: 91 Resp: 3790026

Ion Ratio Lower Upper

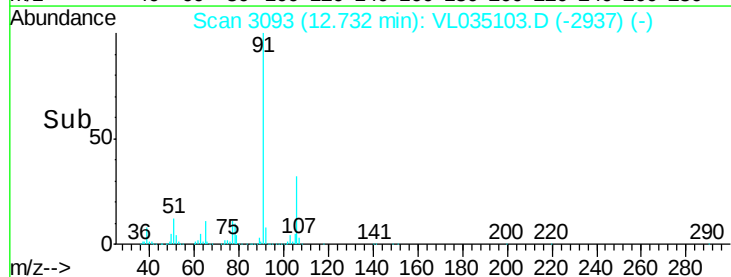
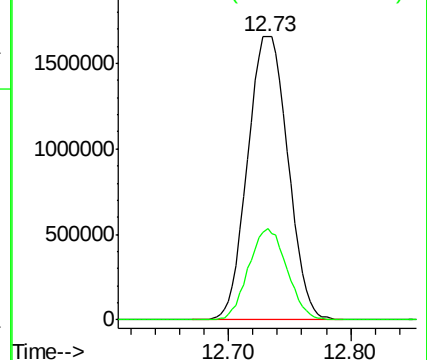
91 100

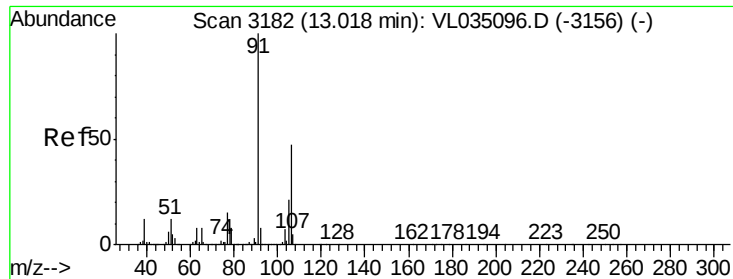
106 32.4 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





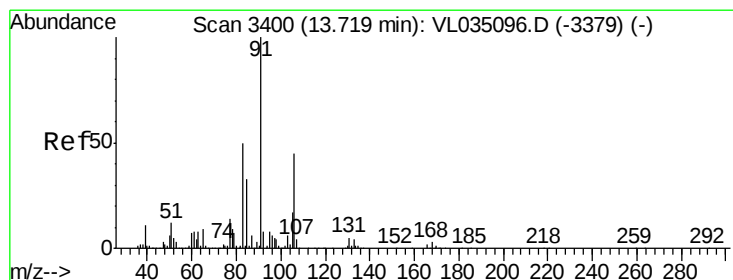
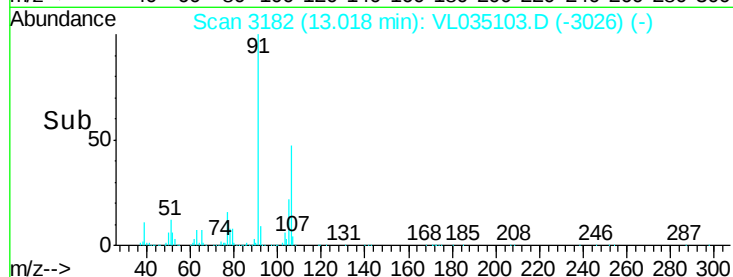
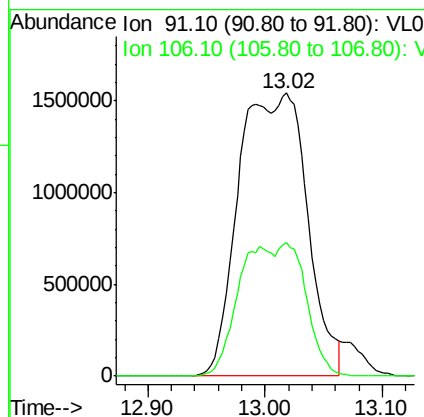
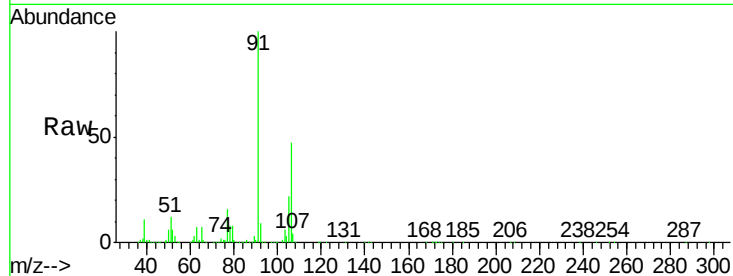
#59
m/p-Xylene
Concen: 18.629 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061920

Tot Ion: 91 Resp: 6284849
Ion Ratio Lower Upper
91 100
106 45.2 36.5 54.7

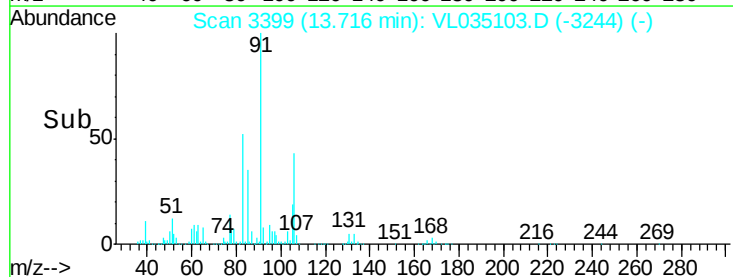
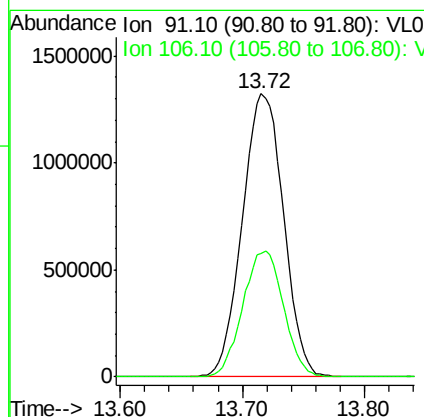
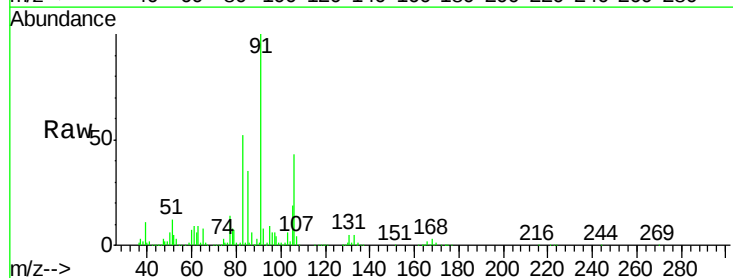
Manual Integrations
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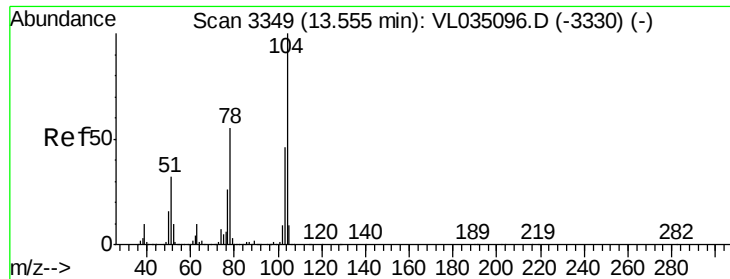
MMDadoda
6/22/2020 2:09:15 PM



#60
o-Xylene
Concen: 9.173 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion: 91 Resp: 3081087
Ion Ratio Lower Upper
91 100
106 44.1 22.1 66.5





#61

Stvrene

Concen: 10.619 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion:104 Resp: 2244293

Ion Ratio Lower Upper

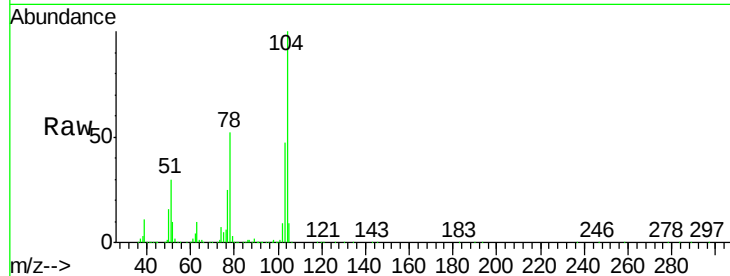
104 100

78 53.0 43.4 65.0

103 47.0 38.3 57.5

Manual Integrations
APPROVED

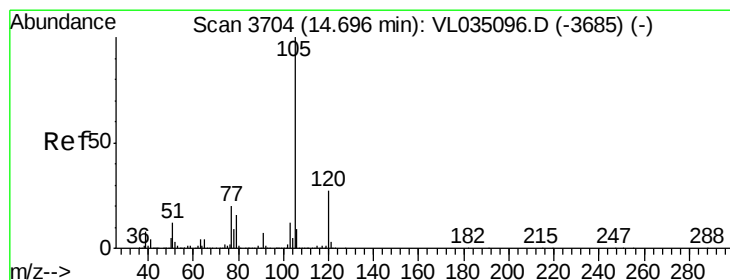
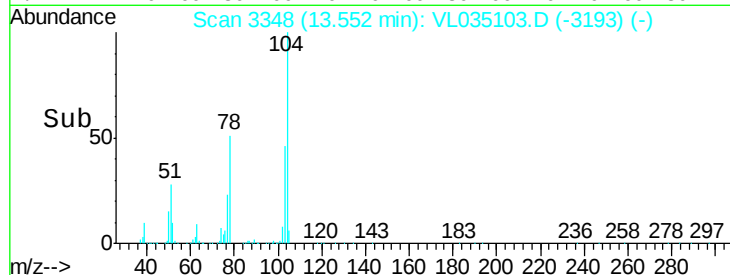
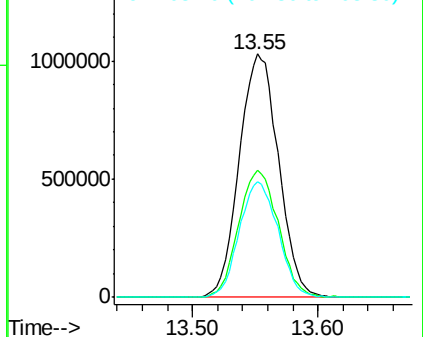
MMDadoda
6/22/2020 2:09:15 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.010 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL035103.D

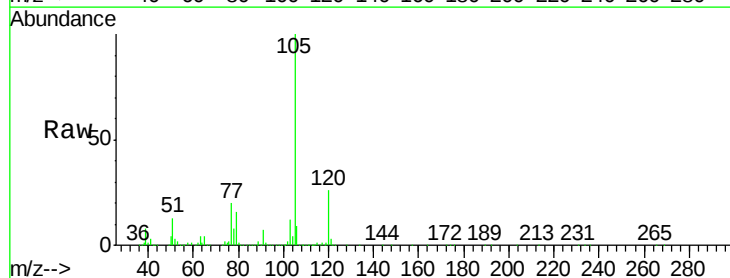
Acq: 19 Jun 2020 20:26

Tgt Ion:105 Resp: 4515619

Ion Ratio Lower Upper

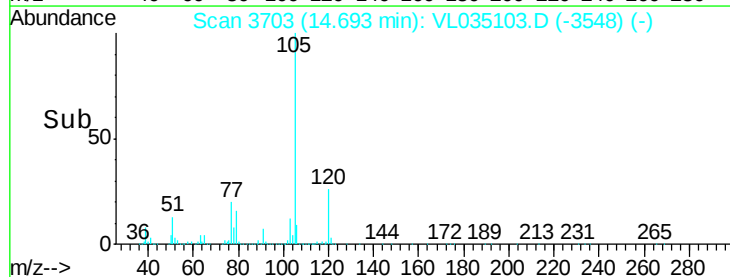
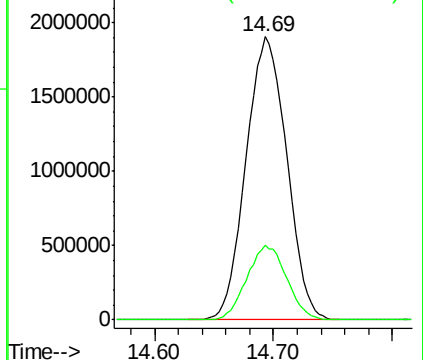
105 100

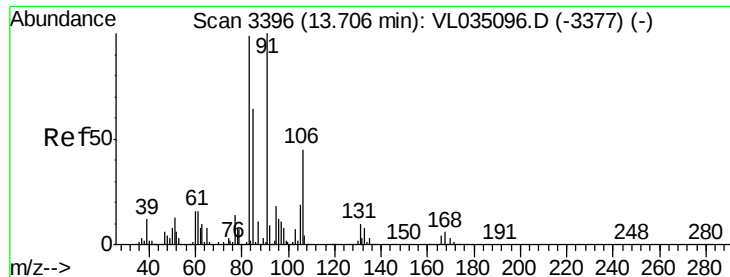
120 25.7 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





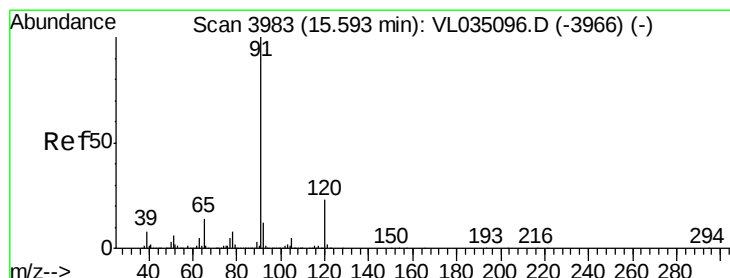
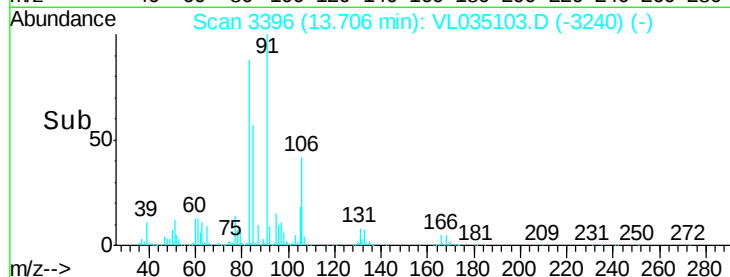
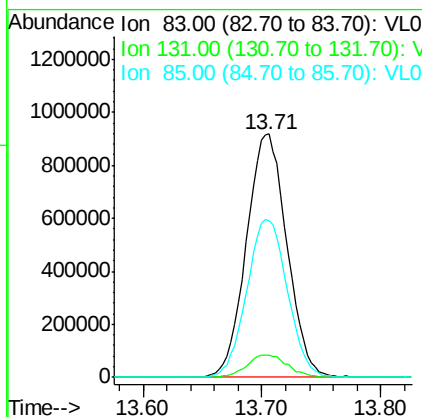
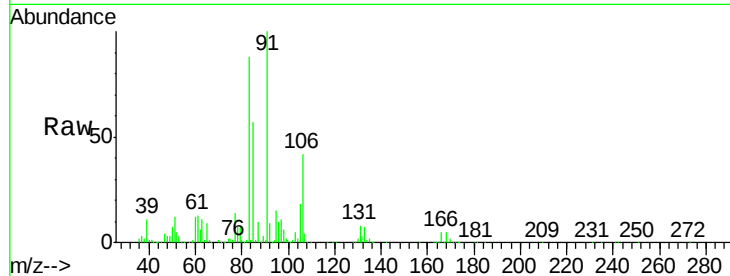
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.944 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061920

Tot Ion: 83 Resp: 2160994
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.7 14.0
 85 65.3 32.4 97.0

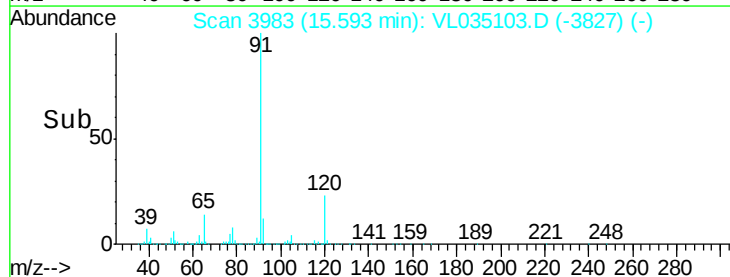
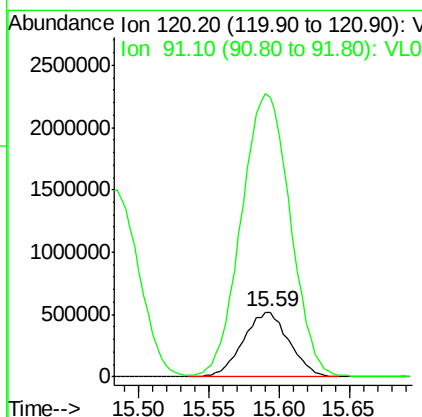
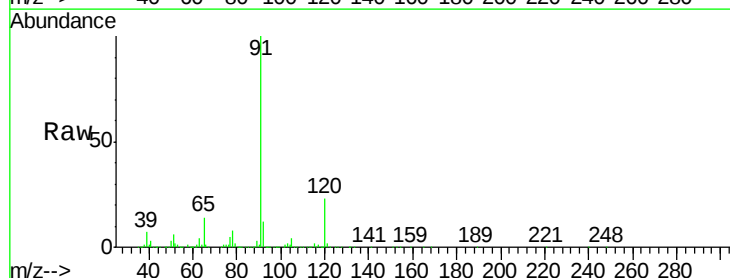
Manual Integrations
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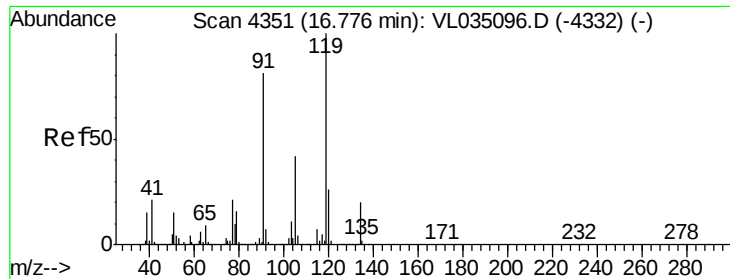
MMDadoda
 6/22/2020 2:09:15 PM



#64
 n-propylbenzene
 Concen: 9.276 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion:120 Resp: 1186466
 Ion Ratio Lower Upper
 120 100
 91 466.6 367.9 551.9





#65

tert-Butylbenzene

Concen: 8.981 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion:119 Resp: 3854437

Ion Ratio Lower Upper

119 100

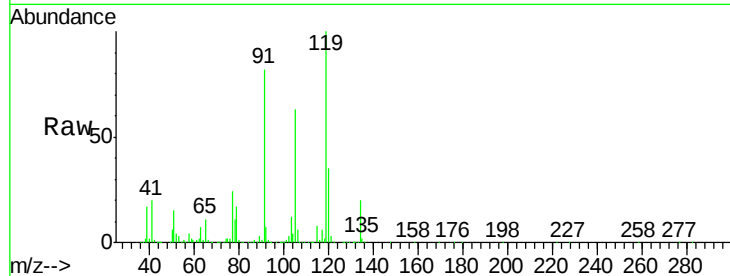
91 84.9 67.6 101.4

134 20.3 15.7 23.5

Manual Integrations
APPROVED

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Abundance Ion 119.20 (118.90 to 119.90): V

2000000 Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

1500000

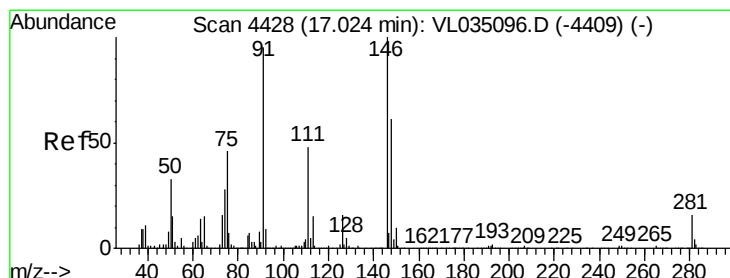
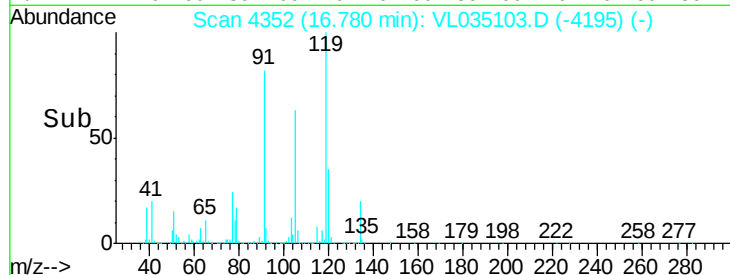
1000000

500000

0

16.70 16.80

Time-->



#66

Benzyl Chloride

Concen: 10.947 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

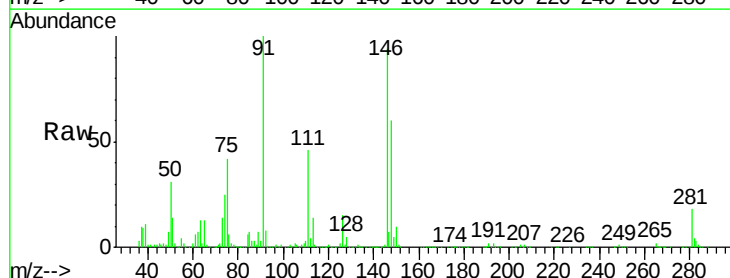
Tgt Ion: 91 Resp: 1451344

Ion Ratio Lower Upper

91 100

126 16.6 13.5 20.3

128 5.2 4.3 6.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

800000

600000

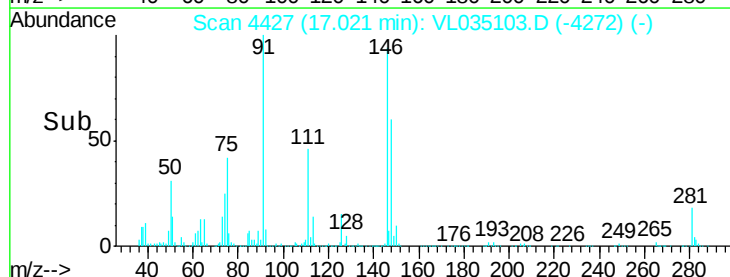
400000

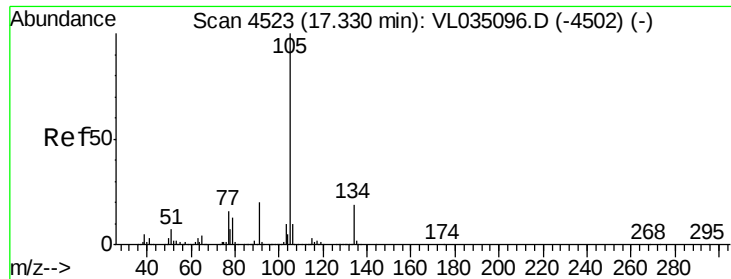
200000

0

16.95 17.00 17.05 17.10

Time-->





#67

sec-Butylbenzene

Concen: 8.937 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion:105 Resp: 5497652

Ion Ratio Lower Upper

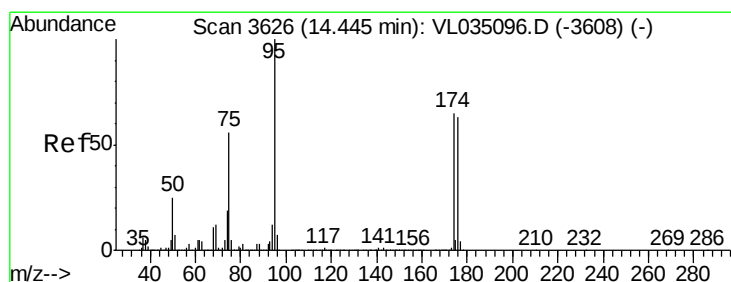
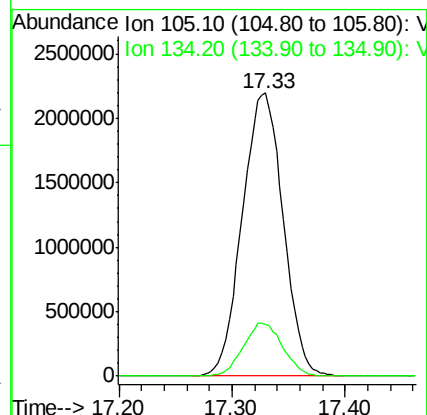
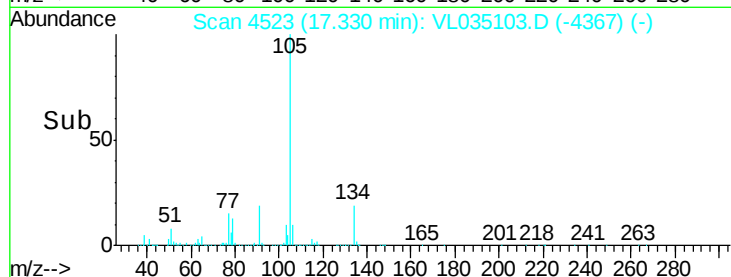
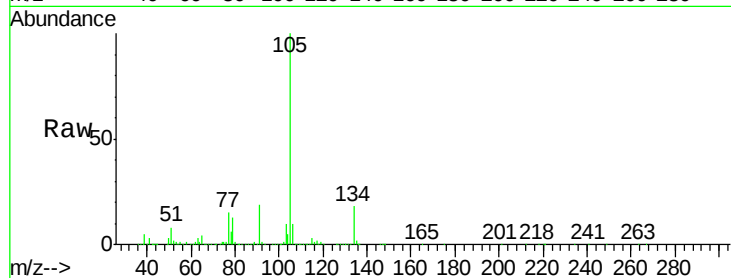
105 100

134 18.2 14.7 22.1

Manual Integrations
APPROVED

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.218 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

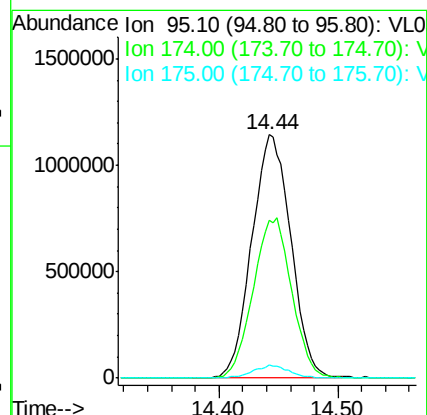
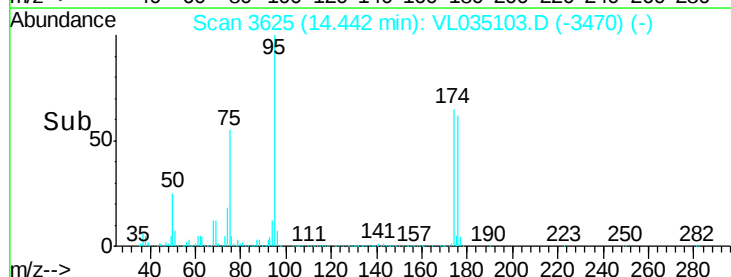
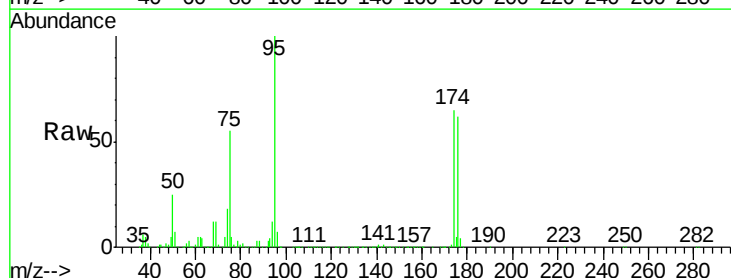
Tgt Ion: 95 Resp: 2594463

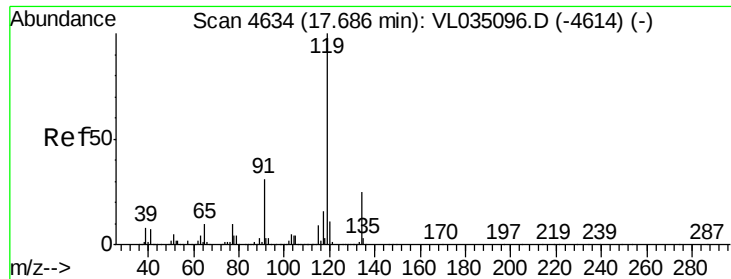
Ion Ratio Lower Upper

95 100

174 65.1 52.2 78.2

175 4.9 4.0 6.0





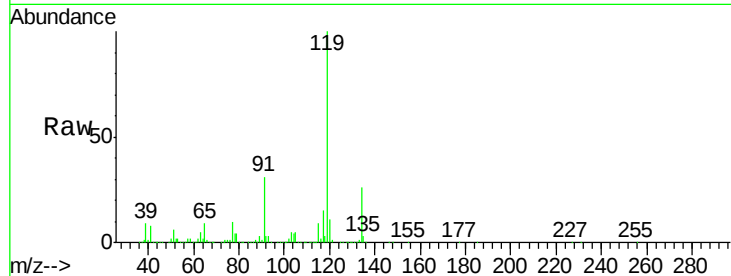
#69
p-Isopropyltoluene
Concen: 9.179 ppbv
RT: 17.68 min Scan# 4633
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061920

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	30.9	24.5	36.7

Manual Integrations
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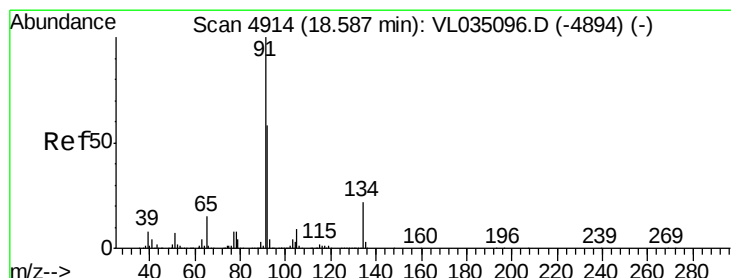
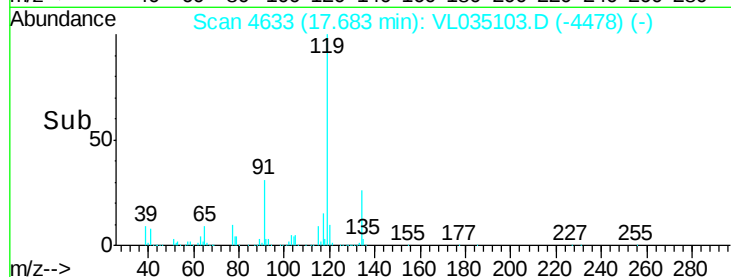
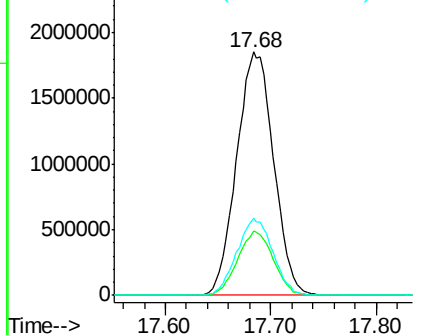


Abundance

Ion 119.10 (118.80 to 119.80): V

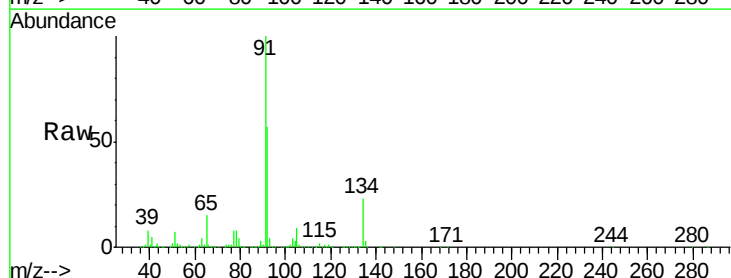
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
n-Butylbenzene
Concen: 8.901 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.4	66.6
134	22.4	18.0	27.0

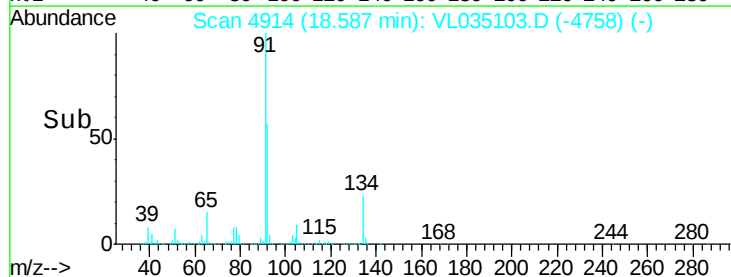
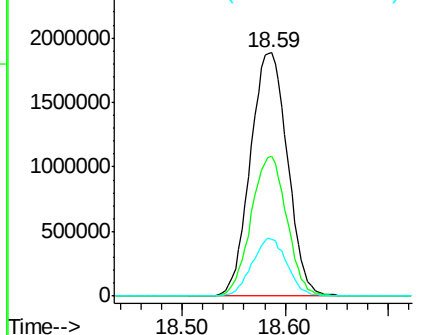


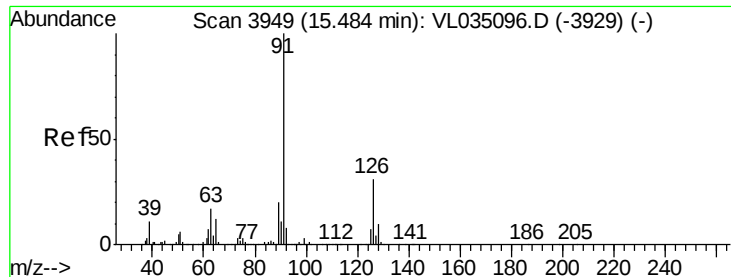
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.235 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion: 91 Resp: 3498609

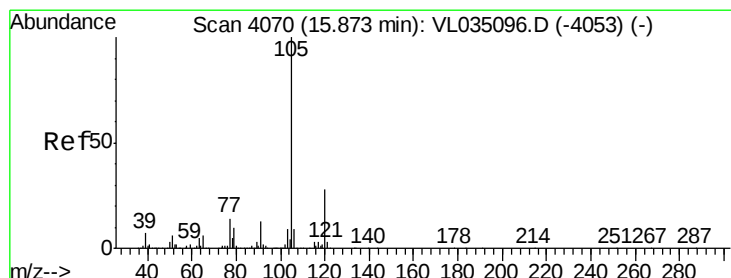
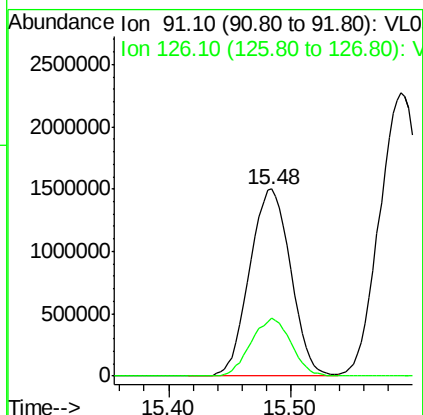
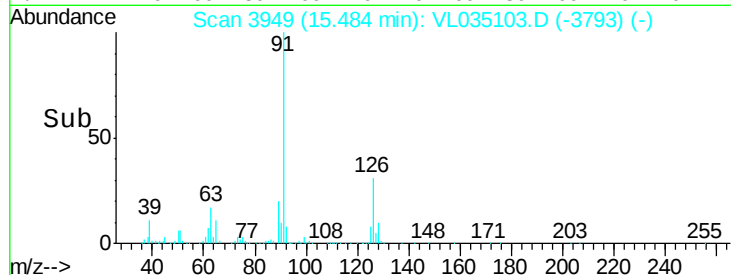
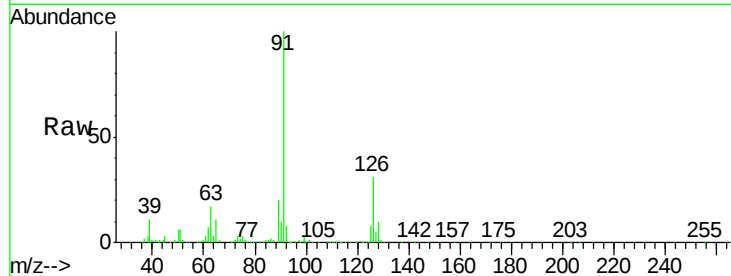
Ion Ratio Lower Upper

91 100

126 30.2 12.0 48.0

Manual Integrations
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#72

4-Ethyltoluene

Concen: 9.647 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Tgt Ion: 105 Resp: 3604572

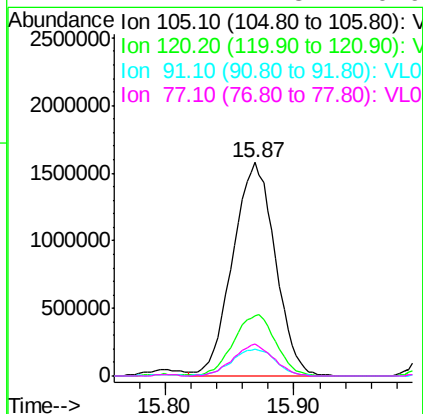
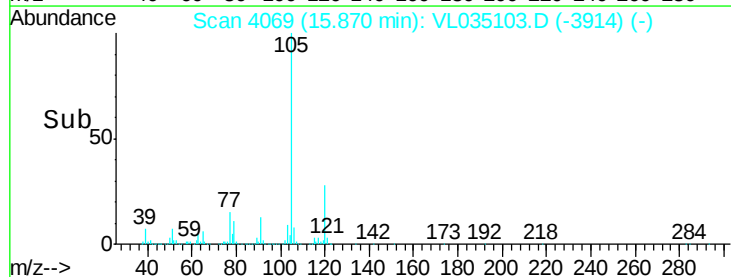
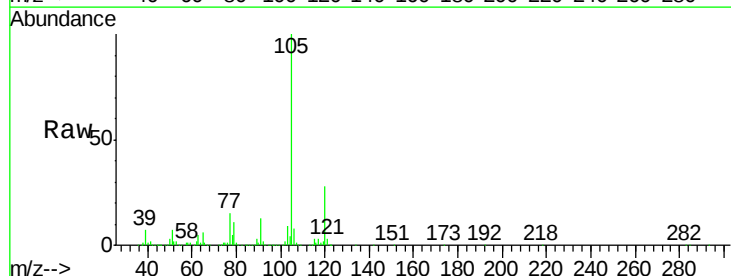
Ion Ratio Lower Upper

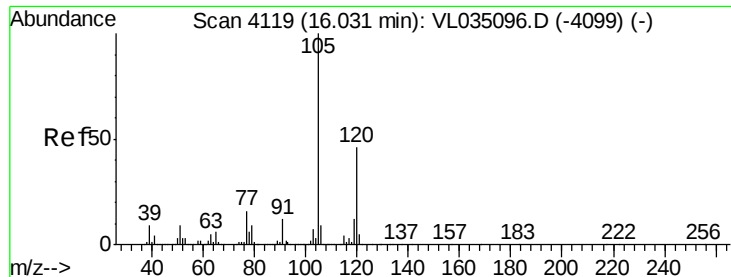
105 100

120 29.6 23.4 35.0

91 13.0 10.6 16.0

77 14.2 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.439 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061920

Tot Ion:105 Resp: 3333687

Ion Ratio Lower Upper

105 100

120 46.5

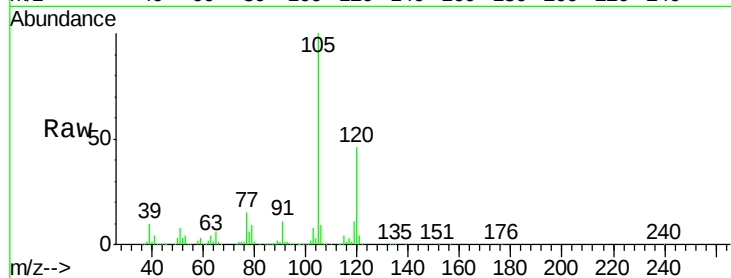
37.0

55.6

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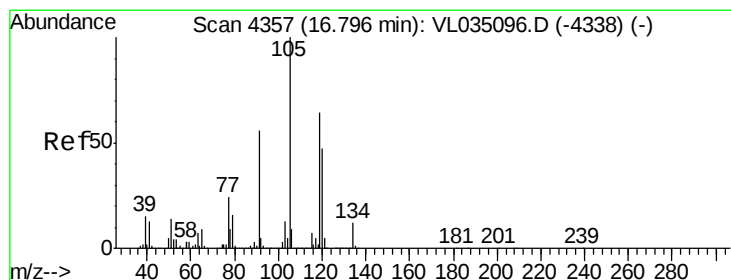
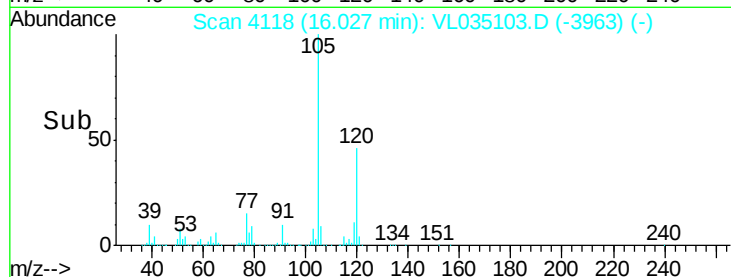
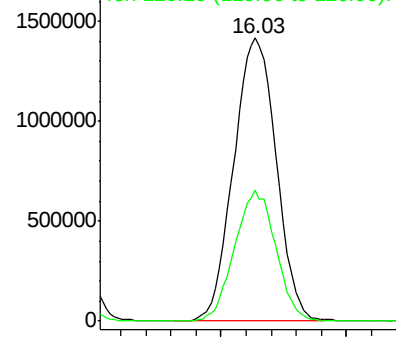
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.680 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL035103.D

Acq: 19 Jun 2020 20:26

Tgt Ion:105 Resp: 3421449

Ion Ratio Lower Upper

105 100

120 47.3

37.9

56.9

91 49.8

46.0

69.0

77 22.7

19.4

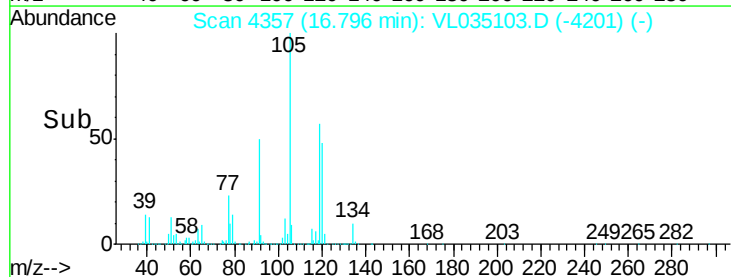
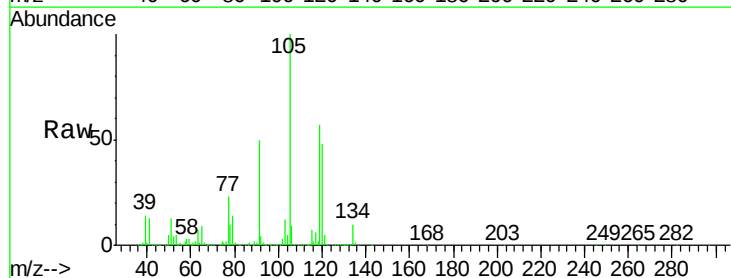
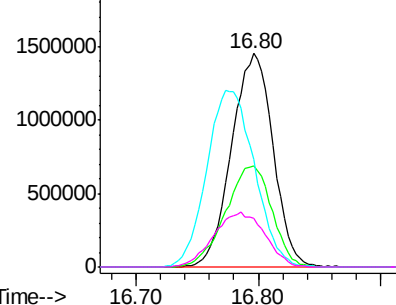
29.2

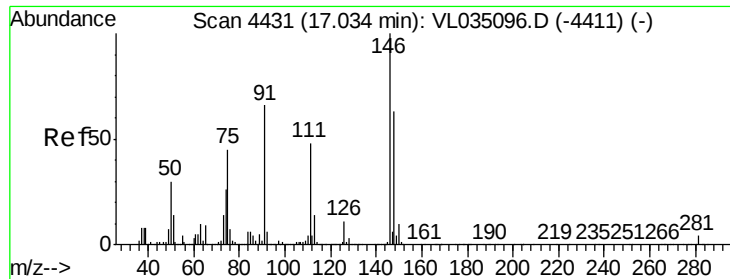
Abundance Ion 105.10 (104.80 to 105.80): V

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





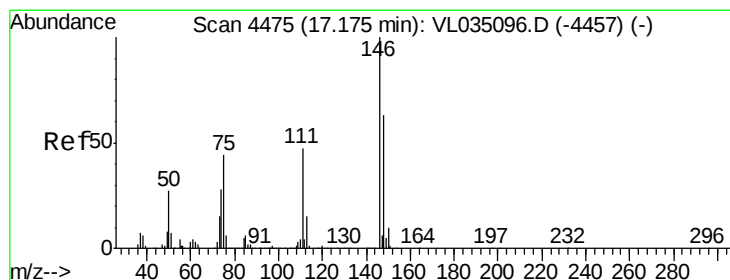
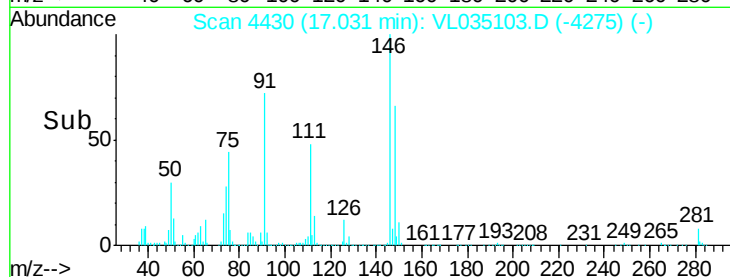
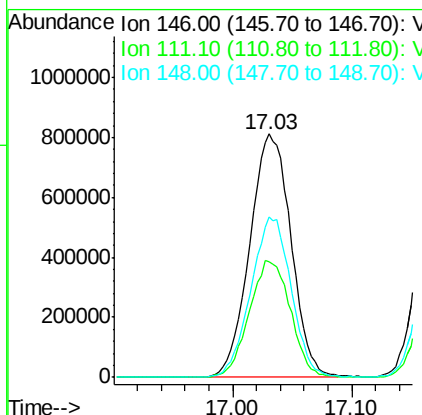
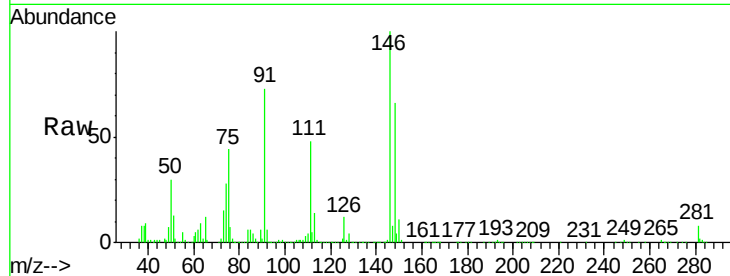
#75
 1,3-Dichlorobenzene
 Concen: 8.272 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061920

Tot Ion:146 Resp: 1945936
 Ion Ratio Lower Upper
 146 100
 111 48.0 24.1 72.4
 148 64.6 32.3 96.8

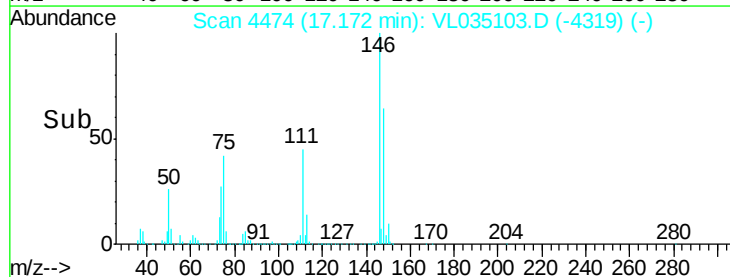
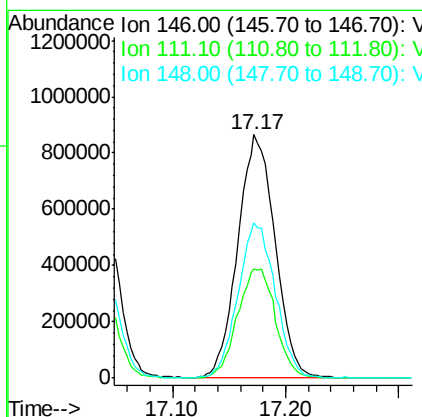
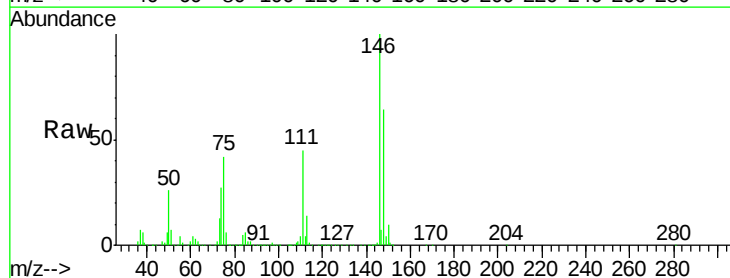
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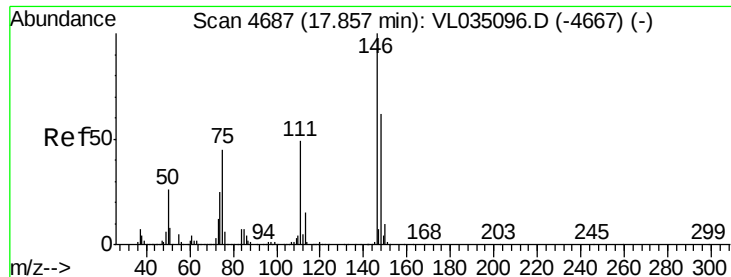
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#76
 1,4-Dichlorobenzene
 Concen: 8.777 ppbv
 RT: 17.17 min Scan# 4474
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion:146 Resp: 1975186
 Ion Ratio Lower Upper
 146 100
 111 46.1 23.5 70.5
 148 64.4 32.0 96.2





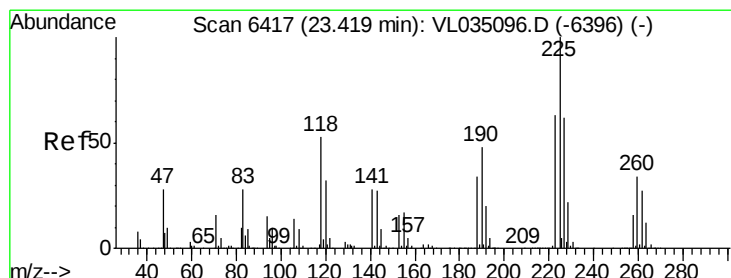
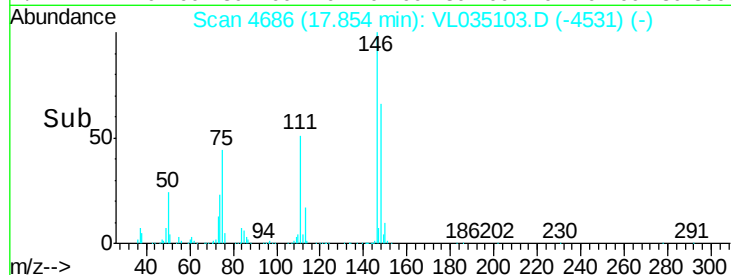
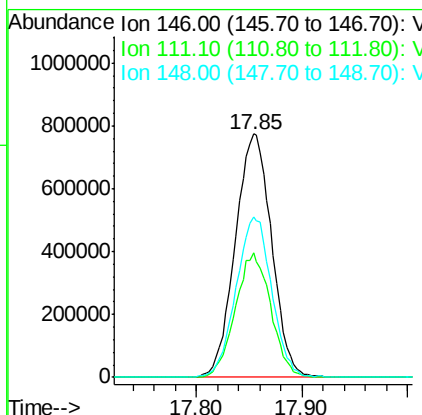
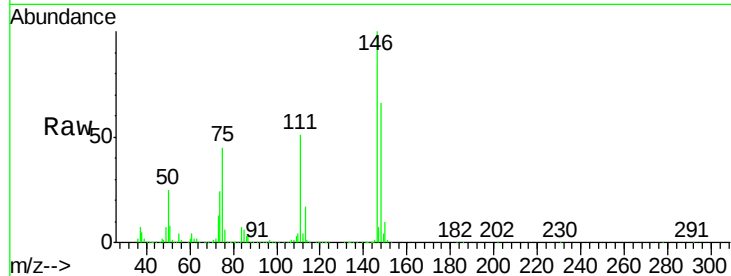
#77
 1,2-Dichlorobenzene
 Concen: 8.607 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061920

Tot Ion:146 Resp: 1852669
 Ion Ratio Lower Upper
 146 100
 111 49.8 25.0 75.0
 148 64.7 32.3 96.8

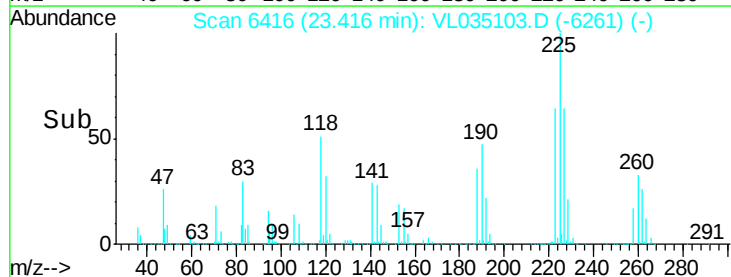
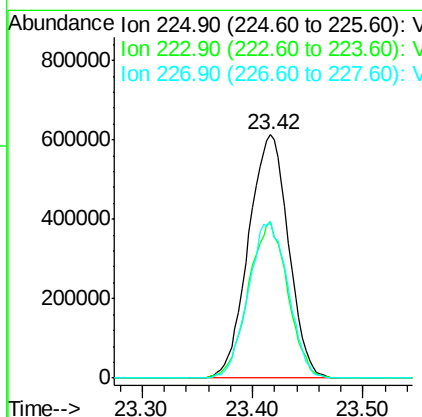
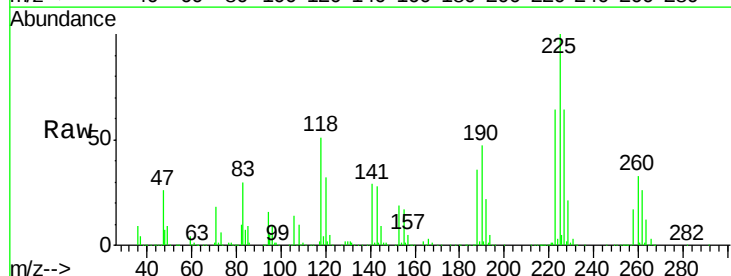
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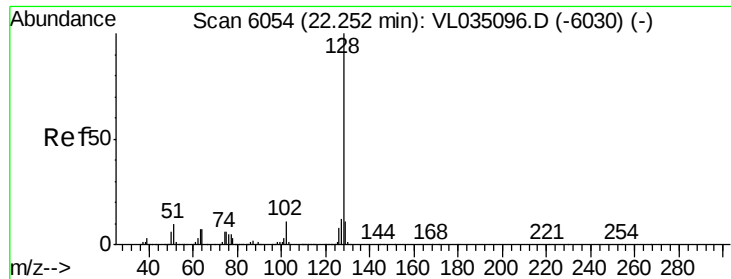
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.940 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Tgt Ion:225 Resp: 1536200
 Ion Ratio Lower Upper
 225 100
 223 63.2 51.4 77.0
 227 64.0 51.8 77.8





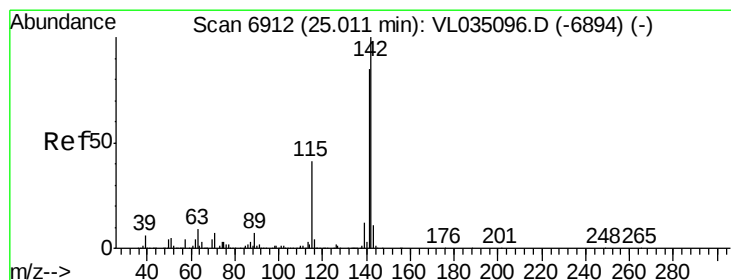
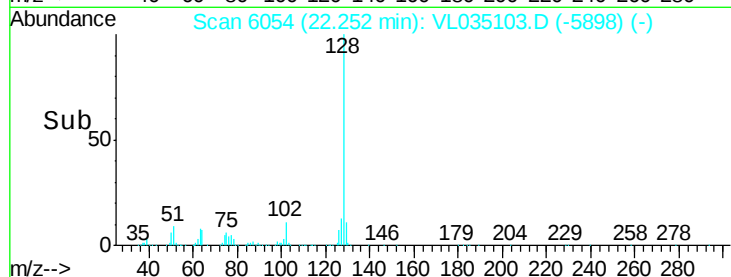
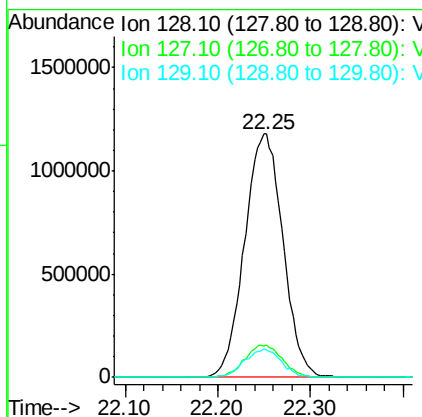
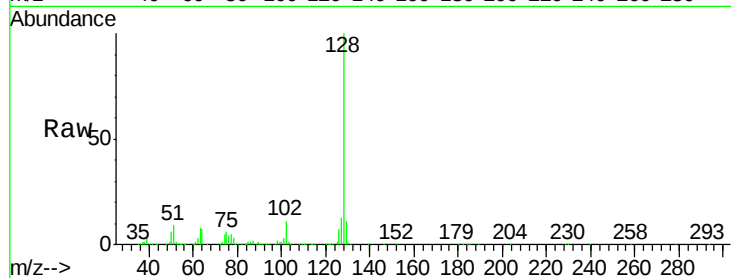
#79
Naphthalene
Concen: 9.794 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. 0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061920

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.9	14.9
129	11.1	9.0	13.4

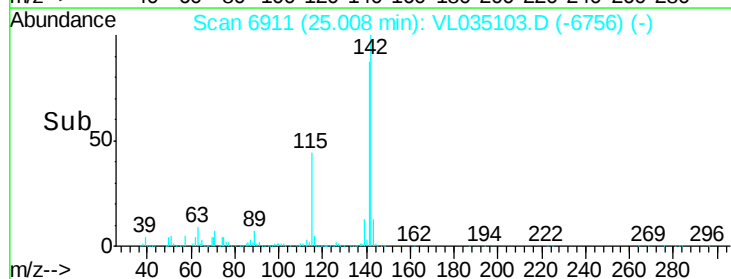
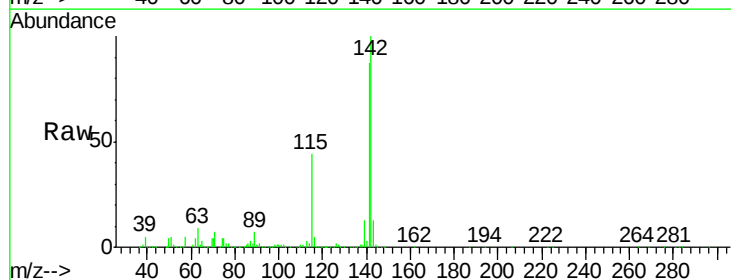
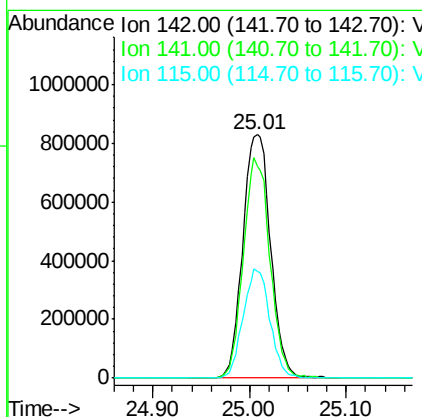
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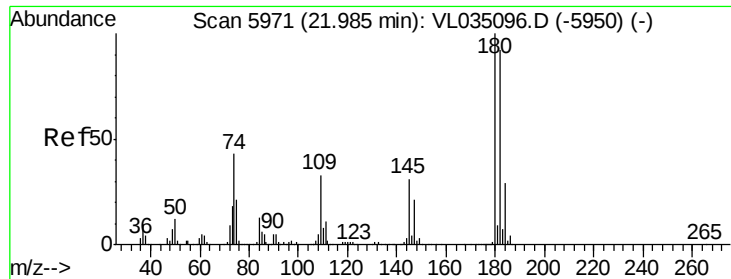
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#80
Naphthalene, 2-methyl-
Concen: 12.555 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. -0.00 min
Lab File: VL035103.D
Acq: 19 Jun 2020 20:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.5	67.5	101.3
115	43.1	33.8	50.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.958 ppbv
 RT: 21.98 min Scan# 5968
 Delta R.T. -0.01 min
 Lab File: VL035103.D
 Acq: 19 Jun 2020 20:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061920

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.9	116.9
184	31.0	24.6	37.0

Manual Integrations
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