

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061920\
 Data File : VL035102.D
 Acq On : 19 Jun 2020 19:46
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:09:12 PM

Quant Time: Jun 20 02:09:25 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 01:15:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1353639	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3222658	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3256336	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2613562	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1915502	9.838	ppbv 98
3) Chlorodifluoromethane	2.94	51	1937314	12.504	ppbv 99
4) Chloromethane	3.09	50	1141802	12.873	ppbv 96
5) Vinyl Chloride	3.21	62	1142896	13.232	ppbv 99
6) Bromomethane	3.43	94	684228	13.231	ppbv 91
7) Chloroethane	3.51	64	411965	13.293	ppbv 100
8) Dichlorotetrafluoroethane	3.14	85	2408182	12.063	ppbv 98
9) Propene	2.96	41	859699	12.946	ppbv 100
10) Heptane	8.12	43	2398714	14.407	ppbv 98
11) Trichlorofluoromethane	3.91	101	2522627	12.737	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1776814	12.623	ppbv 99
13) Ethanol	3.56	45	198696	9.254	ppbv 98
14) Bromoethene	3.70	108	820223	14.076	ppbv 98
15) Acetone	3.81	43	1997171	11.180	ppbv 100
16) 1,3-Butadiene	3.28	39	1034917	13.443	ppbv 99
17) tert-Butyl alcohol	4.26	59	1899961	11.989	ppbv 100
18) 1,1-Dichloroethene	4.25	96	831095	13.597	ppbv 99
19) Isopropyl Alcohol	3.93	45	1335191	11.344	ppbv 100
20) Methylene Chloride	4.31	84	746646	12.635	ppbv 95
21) Allyl Chloride	4.38	41	1420514	14.116	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	822893	13.739	ppbv 99
23) Vinyl Acetate	5.05	43	3013236	13.445	ppbv 99
24) 1,1-Dichloroethane	4.99	63	2243512	12.845	ppbv 99
25) Ethyl Acetate	5.66	43	3984285	13.284	ppbv 100
26) Hexane	5.67	57	1792392	13.774	ppbv 99
27) Carbon Disulfide	4.52	76	2182759	14.383	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	2619529	13.256	ppbv 100
29) Chloroform	5.74	83	2767768	12.959	ppbv 96
30) Cyclohexane	7.13	84	1512192	14.981	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1833139	14.384	ppbv 95
32) 1,1,1-Trichloroethane	6.50	97	2672319	13.842	ppbv 99
34) 2-Butanone	5.22	43	2603868	13.089	ppbv 99
35) Carbon Tetrachloride	7.01	117	2727477	13.428	ppbv 98
36) Benzene	6.89	78	3565455	13.442	ppbv 98
37) 1,2-Dichloroethane	6.30	62	2150785	13.111	ppbv 100
38) Trichloroethene	7.84	130	1368737	13.258	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1437434	13.528	ppbv 99
40) 1,4-Dioxane	7.83	88	459577	10.854	ppbv # 98
41) Tetrahydrofuran	6.03	42	1494300	14.316	ppbv 99
42) Bromodichloromethane	7.80	83	2938422	13.292	ppbv 94
43) Methyl Methacrylate	8.01	69	1669857	14.920	ppbv 99

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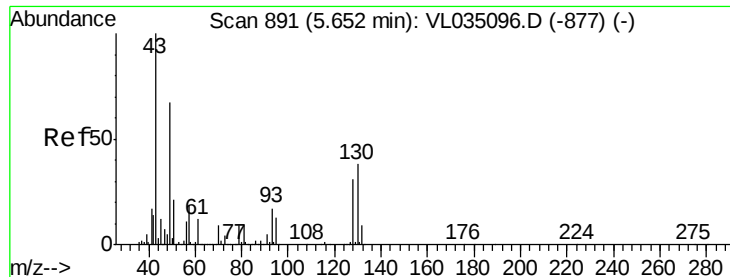
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5946294	12.620	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	1888608	16.808	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	2193658	15.872	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	1506472	13.384	ppbv	98
48) Dibromochloromethane	10.32	129	2484529	14.387	ppbv	100
49) Bromoform	13.07	173	2169000	14.647	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3907770	13.780	ppbv	100
51) 2-Hexanone	10.14	43	3244585	14.663	ppbv #	100
52) Tetrachloroethene	11.24	164	1270021	13.420	ppbv	97
53) Toluene	9.82	91	4165372	14.802	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2284378	13.847	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1854896	12.769	ppbv #	60
57) Chlorobenzene	12.17	112	3090665	12.087	ppbv	98
58) Ethyl Benzene	12.73	91	5475350	13.813	ppbv	98
59) m/p-Xylene	13.02	91	8824078m	25.244	ppbv	
60) o-Xylene	13.72	91	4455278	12.907	ppbv	99
61) Styrene	13.55	104	3288640	15.101	ppbv	99
62) Isopropylbenzene	14.70	105	6468483	12.574	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	3139684	11.506	ppbv	100
64) n-propylbenzene	15.59	120	1762000	13.327	ppbv	94
65) tert-Butylbenzene	16.78	119	5522284	12.345	ppbv	100
66) Benzyl Chloride	17.03	91	2275282	15.341	ppbv	100
67) sec-Butylbenzene	17.33	105	7746971	12.152	ppbv	98
69) p-Isopropyltoluene	17.69	119	6397194	12.409	ppbv	98
70) n-Butylbenzene	18.59	91	6705707	12.240	ppbv	99
71) 2-Chlorotoluene	15.49	91	5098768	13.118	ppbv	100
72) 4-Ethyltoluene	15.87	105	5230103	13.570	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4803055	12.849	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	4844134	11.870	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	2819856	11.721	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	2886425	12.643	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	2700145	11.982	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2226513	11.536	ppbv	99
79) Naphthalene	22.26	128	4981059m	15.819	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	2532465	31.933	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	2645216	13.783	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

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Tot Ion: 49 Resp: 1353639

Ion Ratio Lower Upper

49 100

128 44.8 22.9 68.5

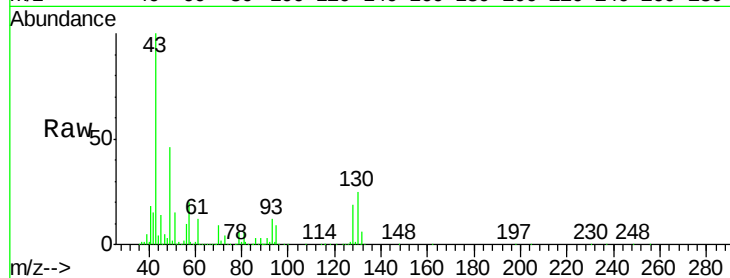
130 57.7 29.0 87.0

Manual Integrations

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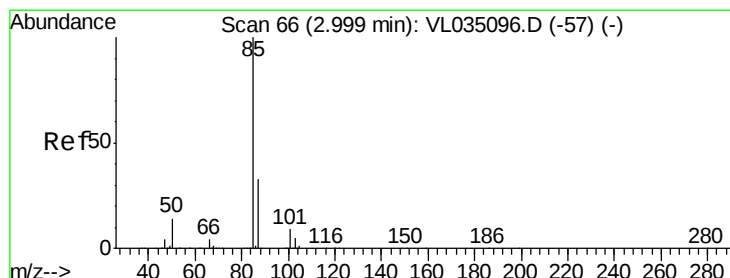
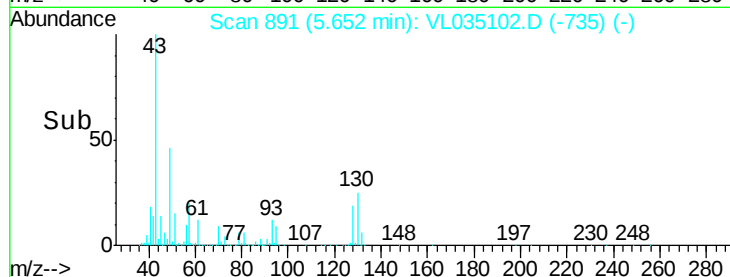
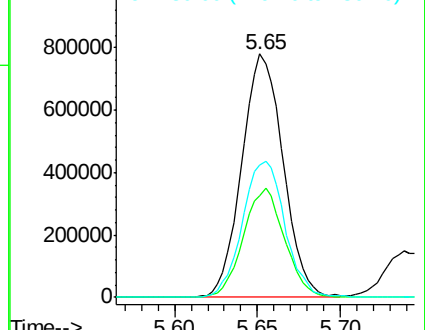
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.838 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035102.D

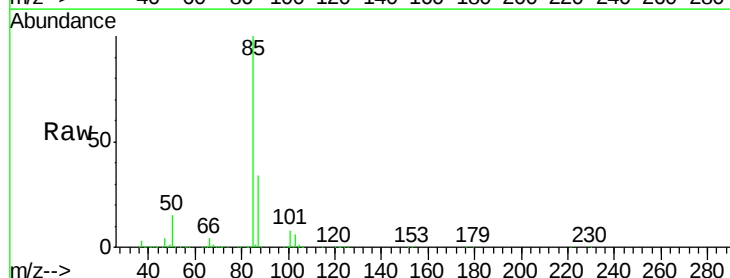
Acq: 19 Jun 2020 19:46

Tgt Ion: 85 Resp: 1915502

Ion Ratio Lower Upper

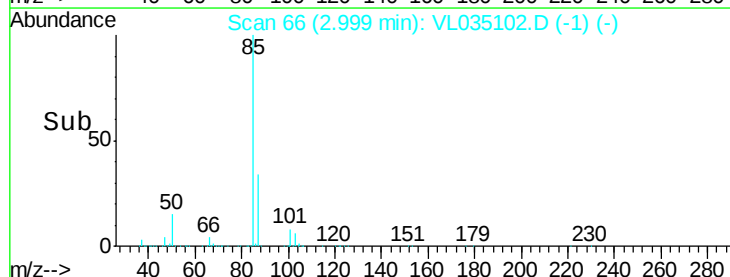
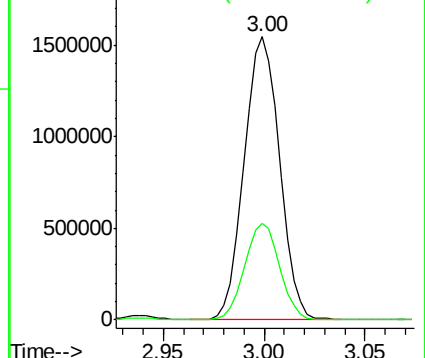
85 100

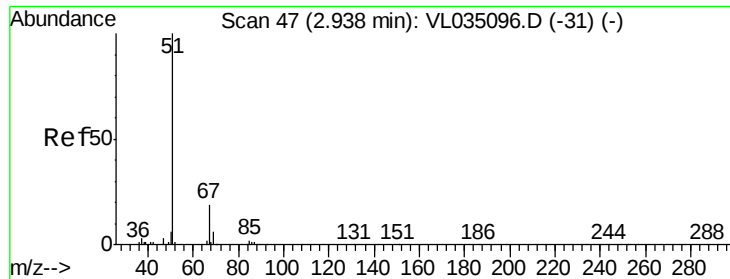
87 34.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 12.504 ppbv

RT: 2.94 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Tot Ion: 51 Resp: 1937314

Ion Ratio Lower Upper

51 100

67 19.6 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

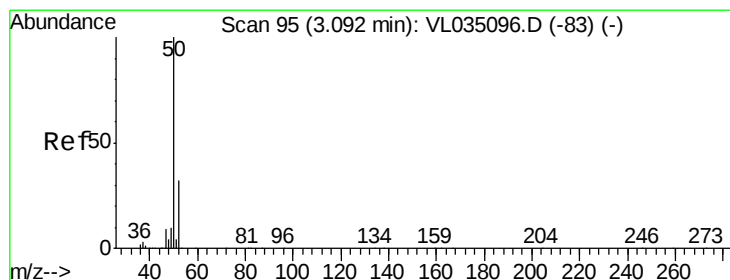
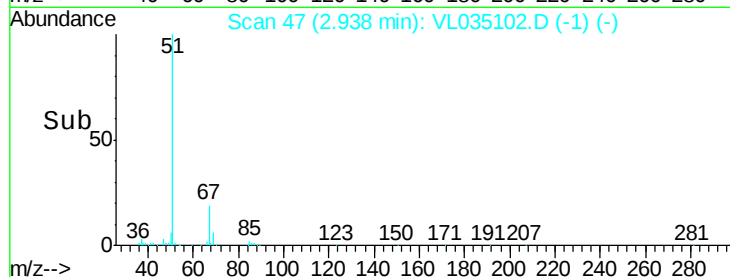
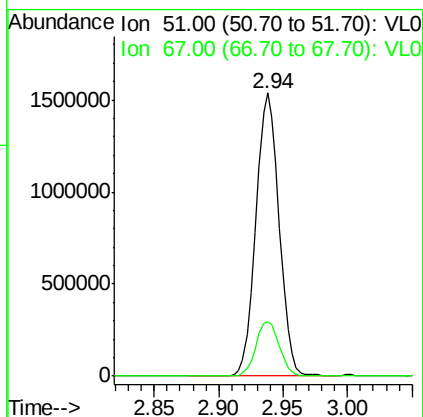
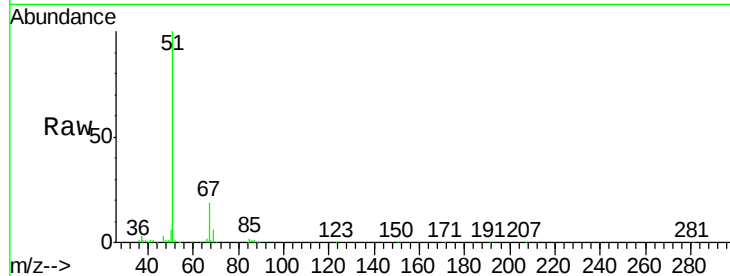
VSTDIC015

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#4

Chloromethane

Concen: 12.873 ppbv

RT: 3.09 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL035102.D

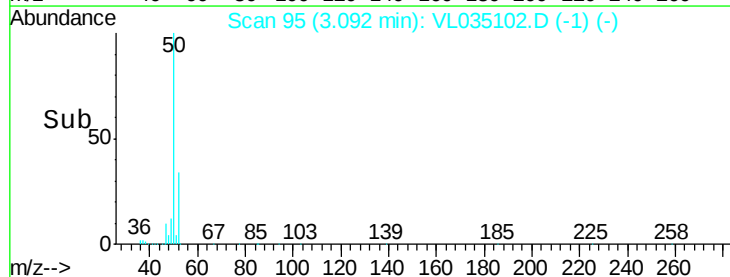
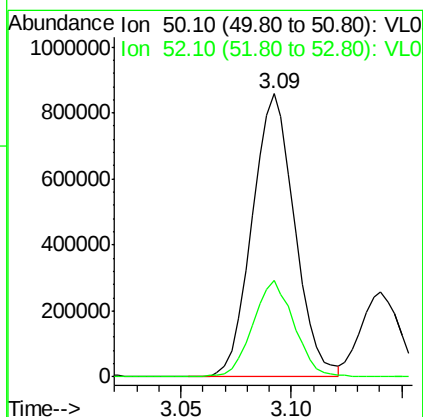
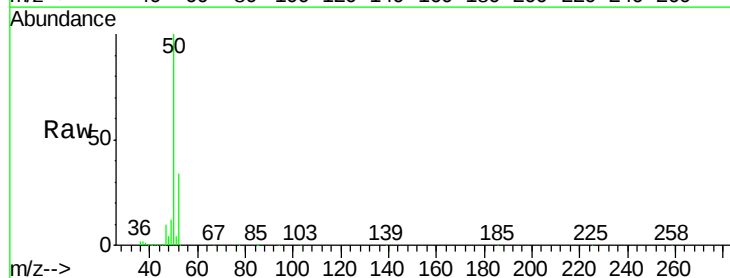
Acq: 19 Jun 2020 19:46

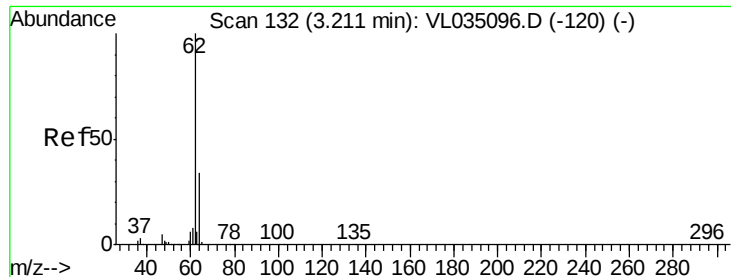
Tgt Ion: 50 Resp: 1141802

Ion Ratio Lower Upper

50 100

52 34.2 25.4 38.0





#5

Vinyl Chloride

Concen: 13.232 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1142896

Ion Ratio Lower Upper

62 100

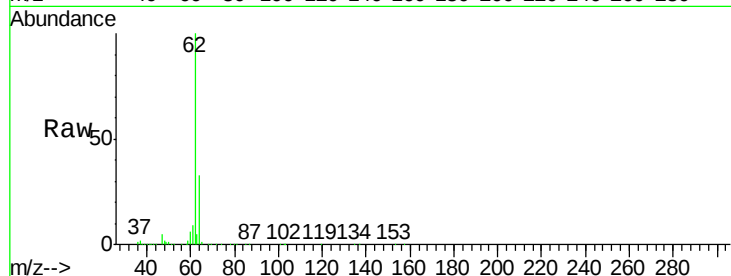
64 33.3 27.0 40.4

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

1000000

800000

600000

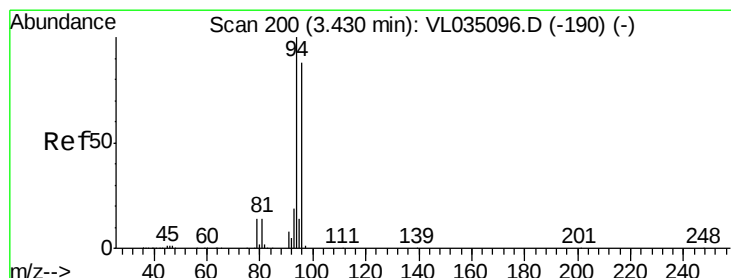
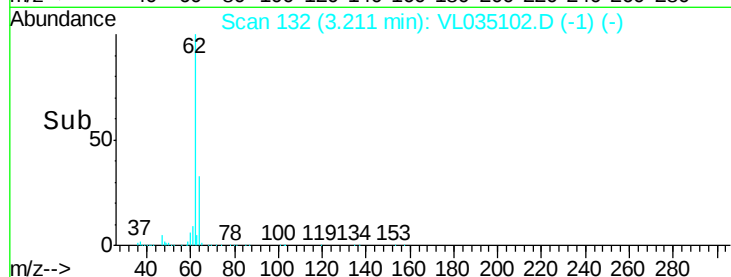
400000

200000

0

3.15 3.20 3.25

Time-->



#6

Bromomethane

Concen: 13.231 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035102.D

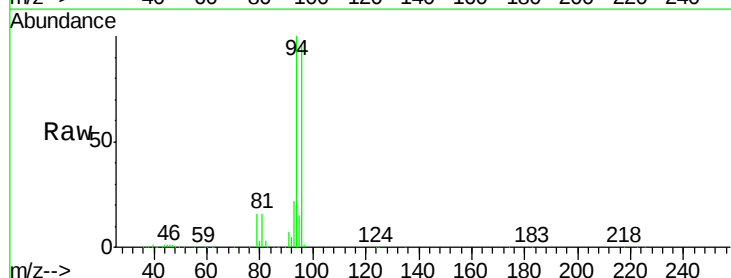
Acq: 19 Jun 2020 19:46

Tgt Ion: 94 Resp: 684228

Ion Ratio Lower Upper

94 100

96 95.7 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

500000

400000

300000

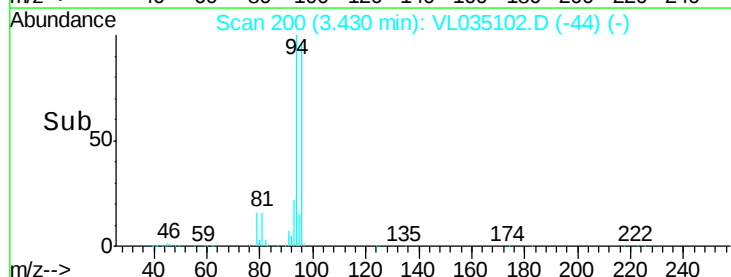
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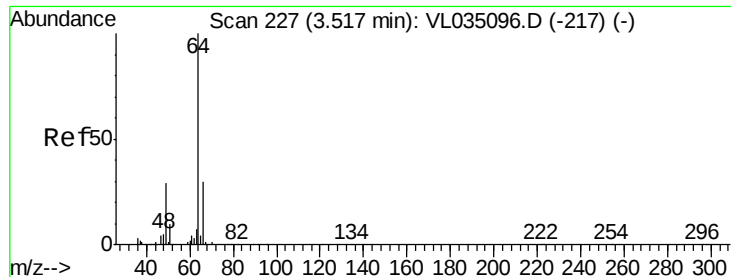
100000

0

3.40 3.45 3.50

Time-->





#7

Chloroethane

Concen: 13.293 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 411965

Ion Ratio Lower Upper

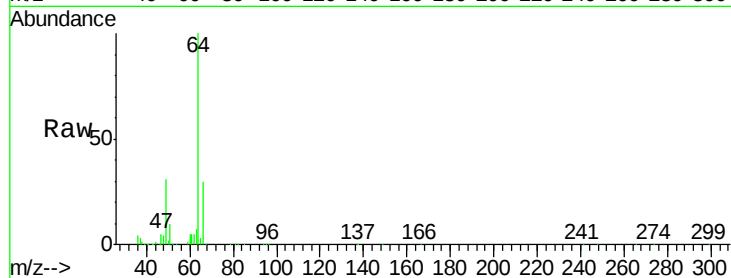
64 100

66 30.2 24.2 36.4

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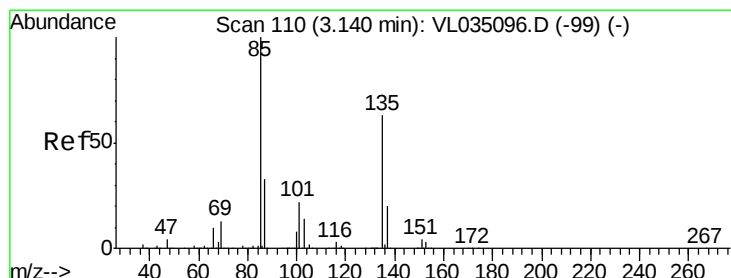
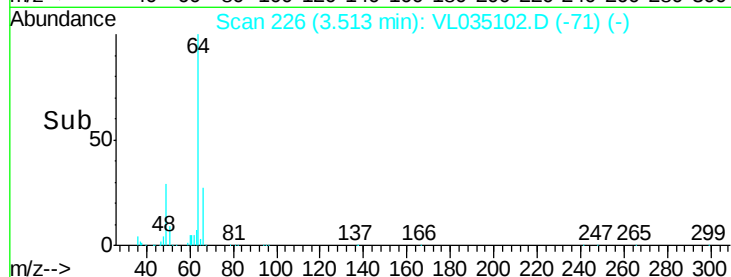
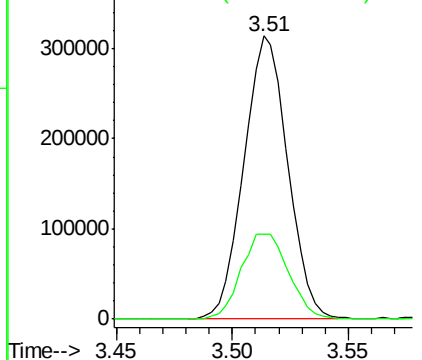
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 12.063 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035102.D

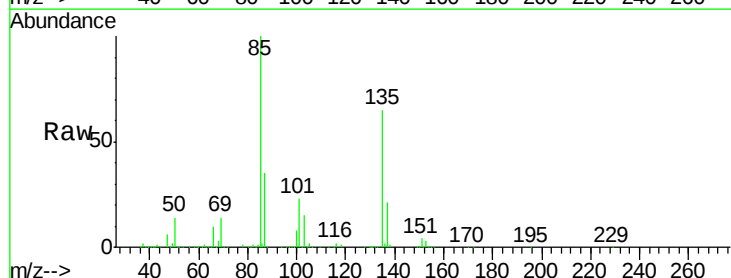
Acq: 19 Jun 2020 19:46

Tgt Ion: 85 Resp: 2408182

Ion Ratio Lower Upper

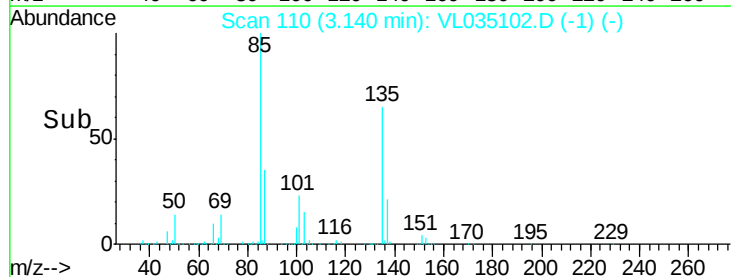
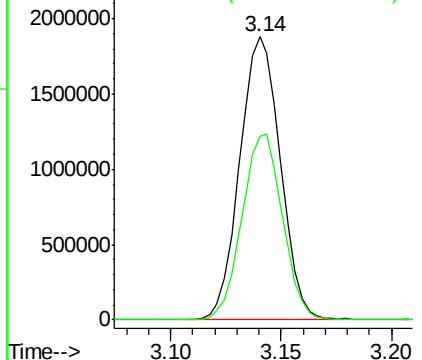
85 100

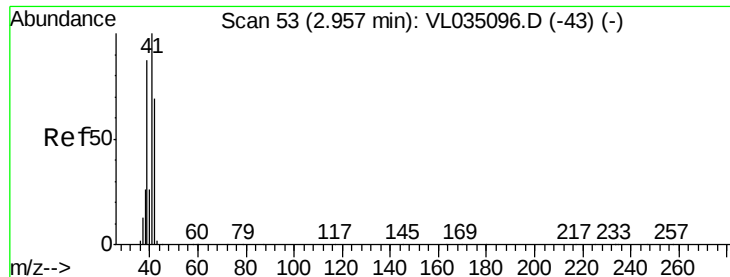
135 65.4 51.0 76.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 12.946 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 859699

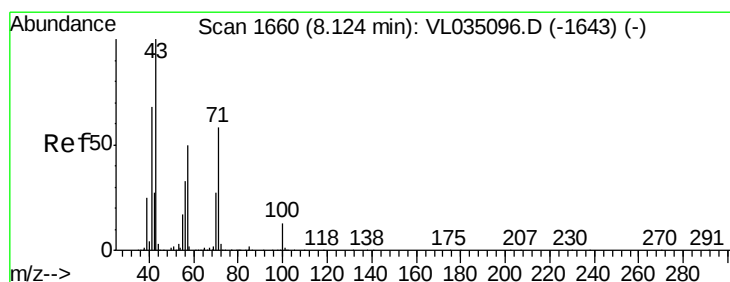
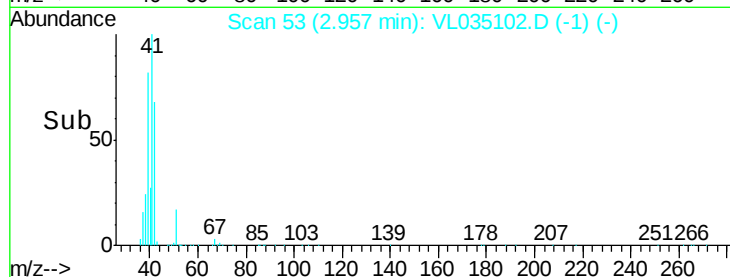
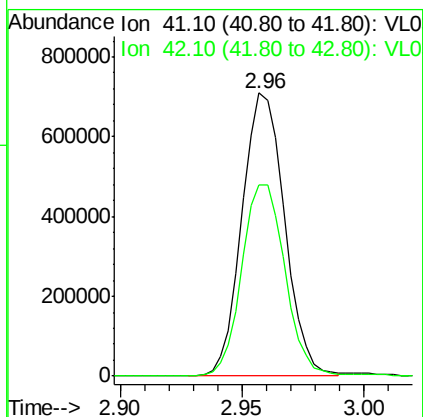
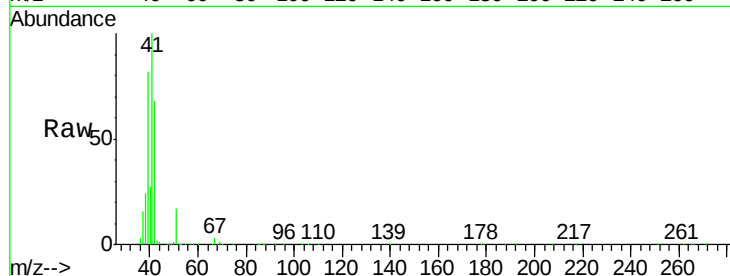
Ion Ratio Lower Upper

41 100

42 69.3 55.8 83.6

Manual Integrations
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#10

Heptane

Concen: 14.407 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL035102.D

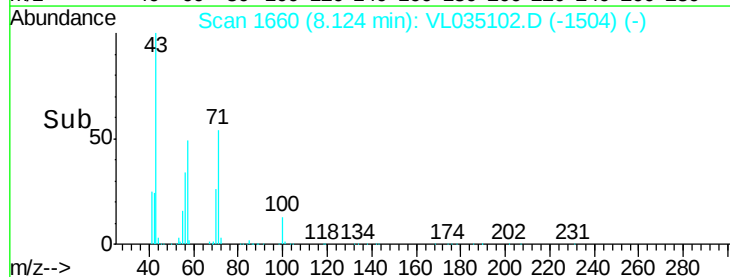
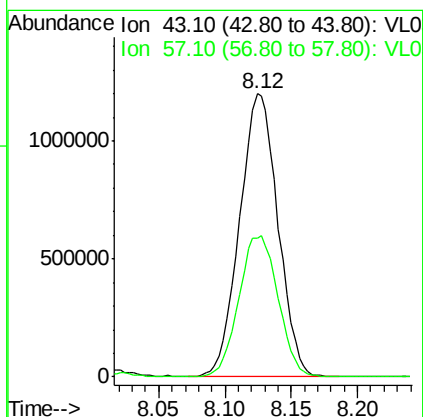
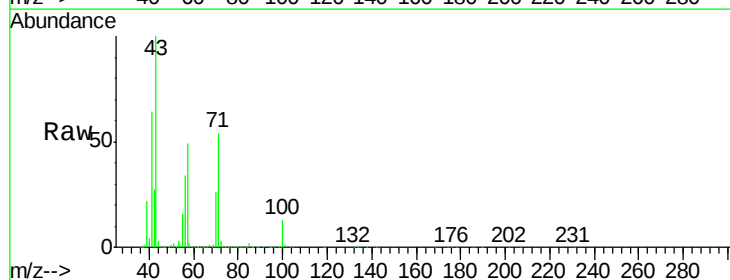
Acq: 19 Jun 2020 19:46

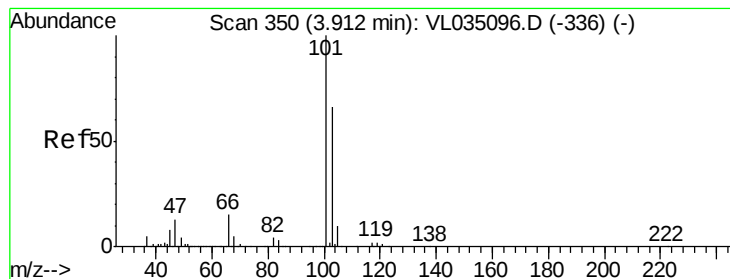
Tgt Ion: 43 Resp: 2398714

Ion Ratio Lower Upper

43 100

57 51.3 41.9 62.9





#11

Trichlorofluoromethane

Concen: 12.737 ppbv

RT: 3.91 min Scan# 350

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 2522627

Ion Ratio Lower Upper

101 100

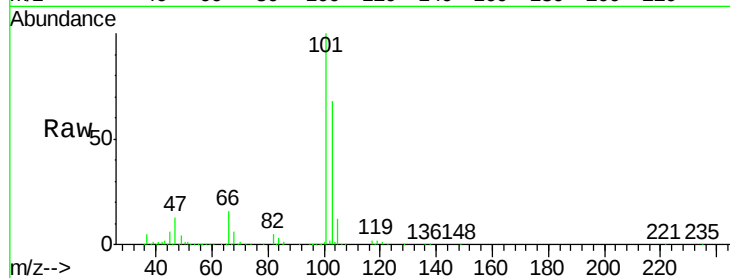
103 67.5 52.6 79.0

Manual Integrations

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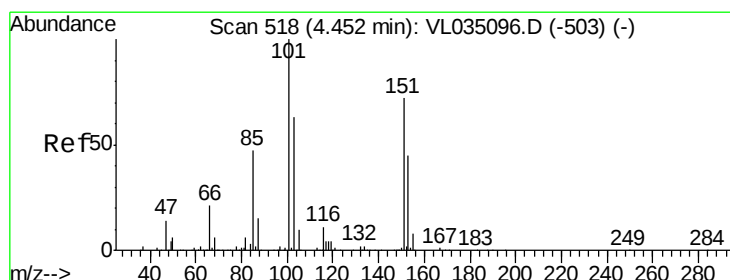
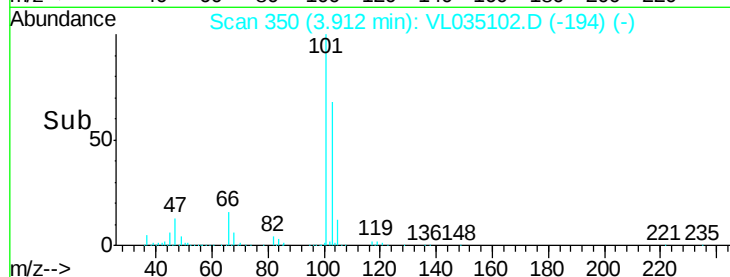
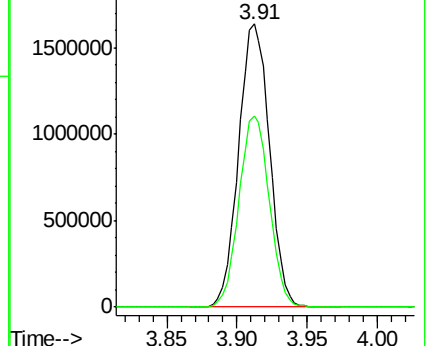
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 12.623 ppbv

RT: 4.45 min Scan# 518

Delta R.T. 0.00 min

Lab File: VL035102.D

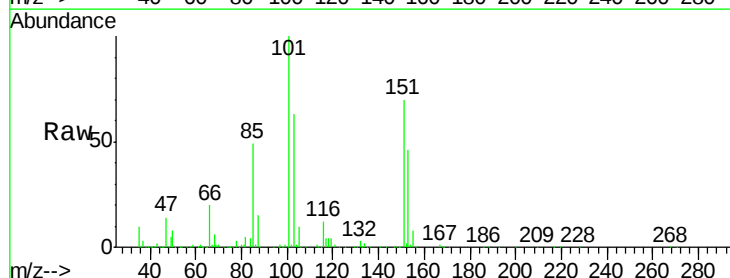
Acq: 19 Jun 2020 19:46

Tgt Ion:101 Resp: 1776814

Ion Ratio Lower Upper

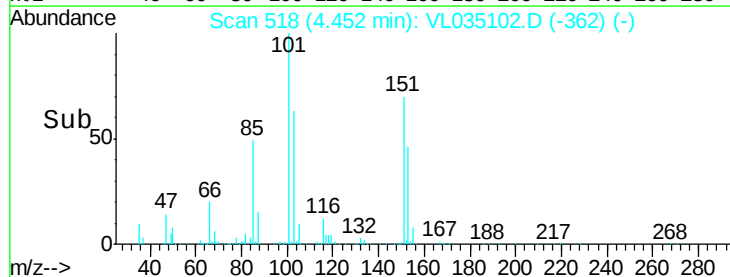
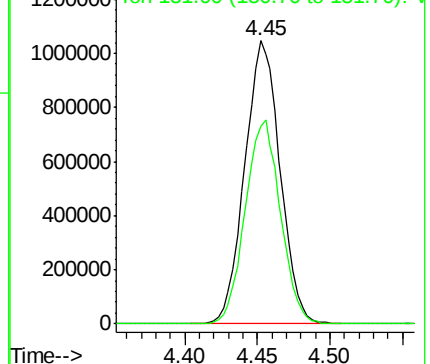
101 100

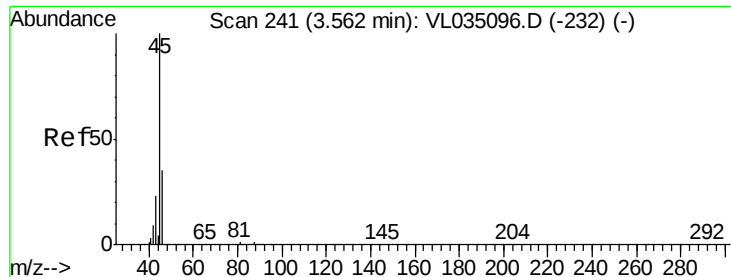
151 71.7 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





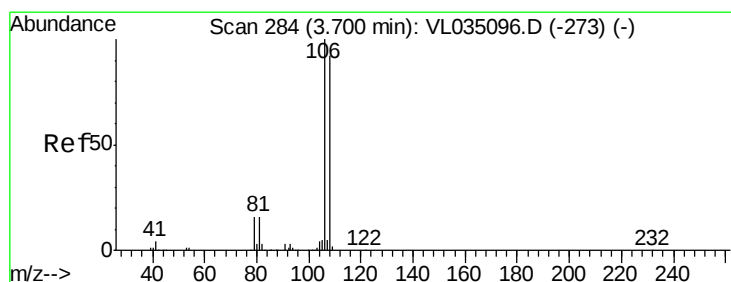
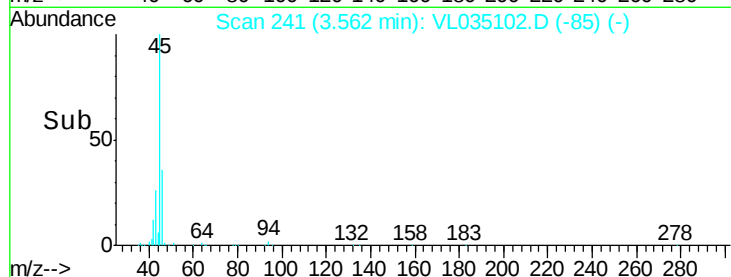
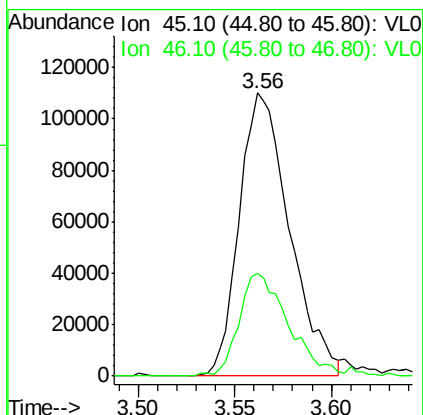
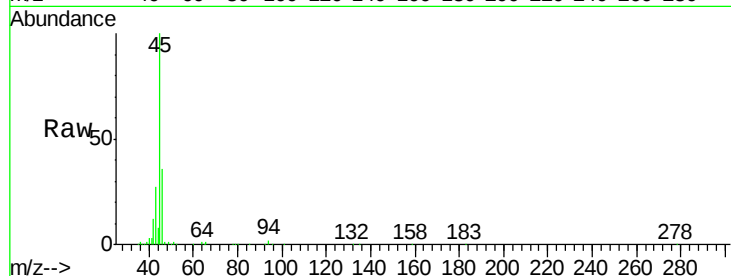
#13
Ethanol
Concen: 9.254 ppbv
RT: 3.56 min Scan# 241
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.2	57.0

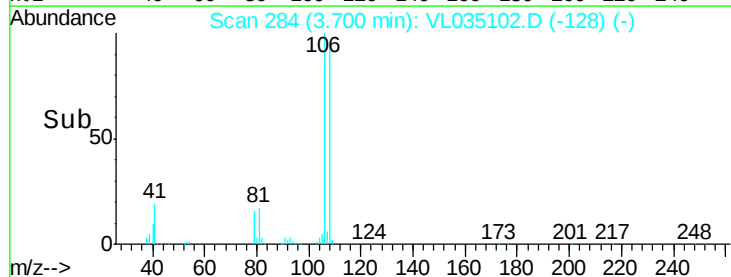
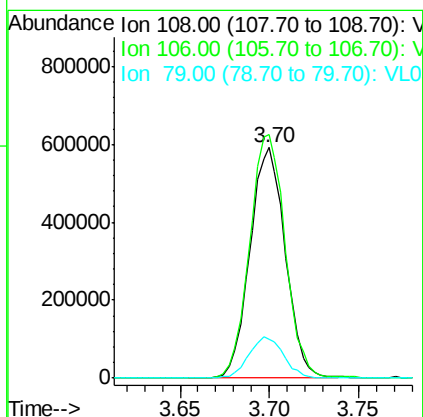
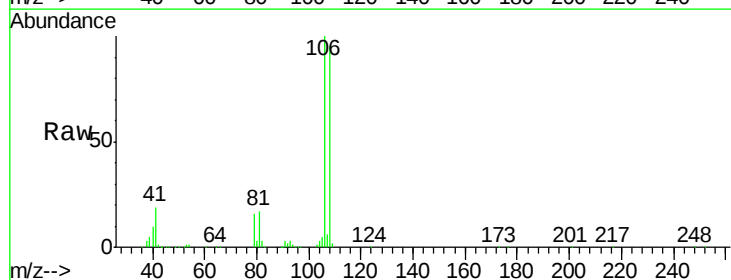
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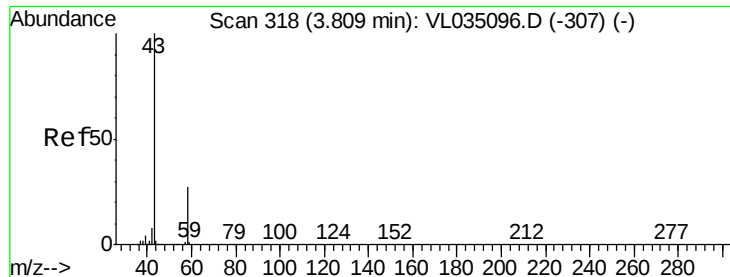
MMDadoda
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#14
Bromoethene
Concen: 14.076 ppbv
RT: 3.70 min Scan# 284
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.3	84.4	126.6
79	17.9	14.2	21.2





#15

Acetone

Concen: 11.180 ppbv

RT: 3.81 min Scan# 318

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 1997171

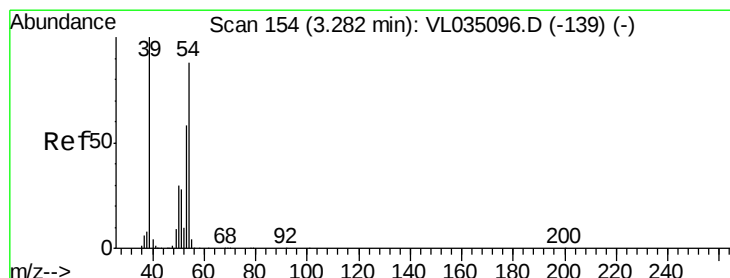
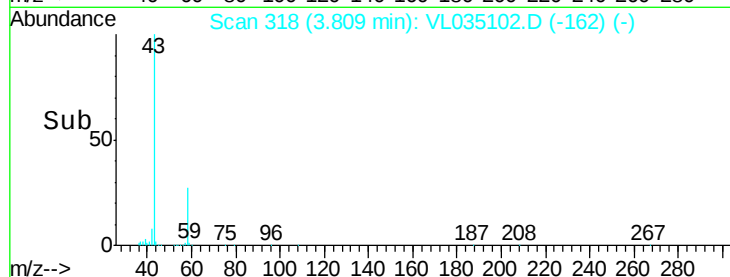
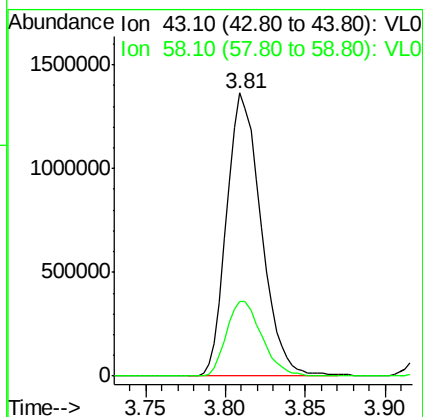
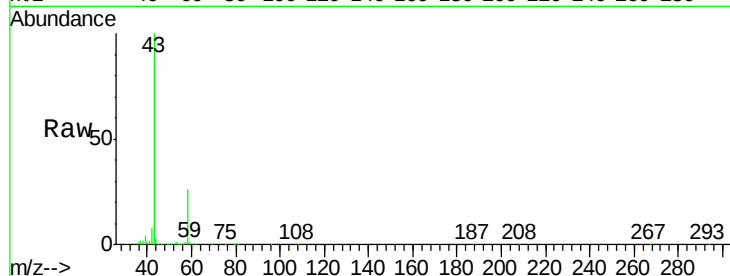
Ion Ratio Lower Upper

43 100

58 27.4 21.8 32.6

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#16

1,3-Butadiene

Concen: 13.443 ppbv

RT: 3.28 min Scan# 154

Delta R.T. 0.00 min

Lab File: VL035102.D

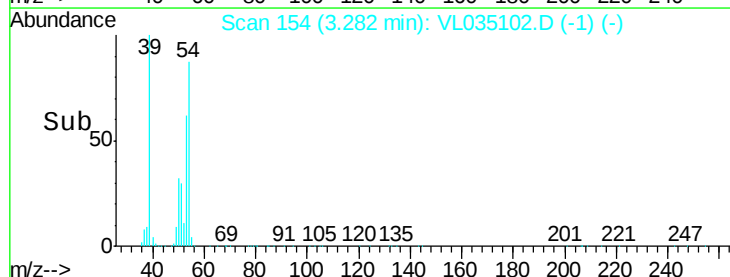
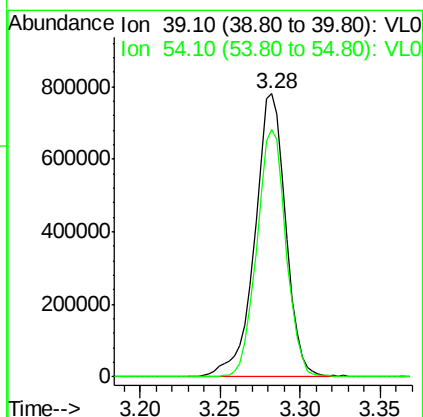
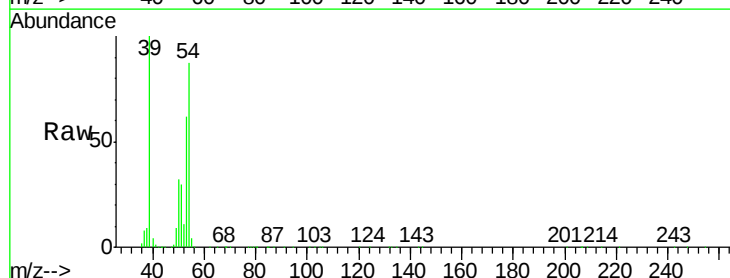
Acq: 19 Jun 2020 19:46

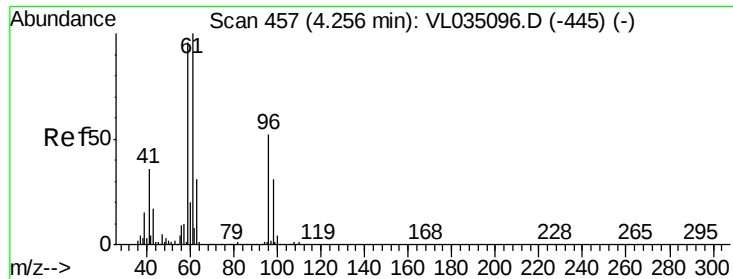
Tgt Ion: 39 Resp: 1034917

Ion Ratio Lower Upper

39 100

54 82.9 67.0 100.4





#17

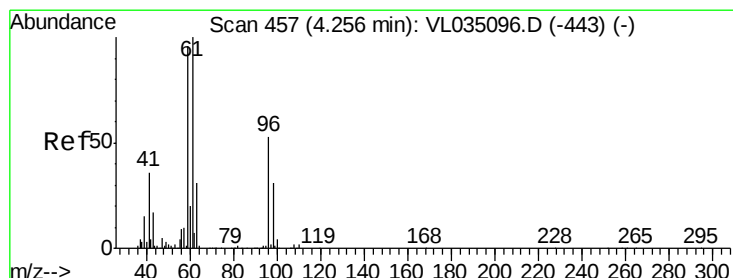
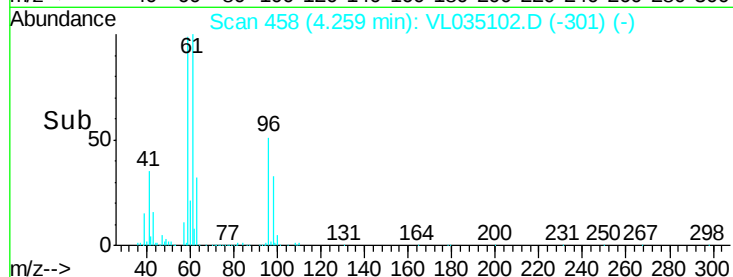
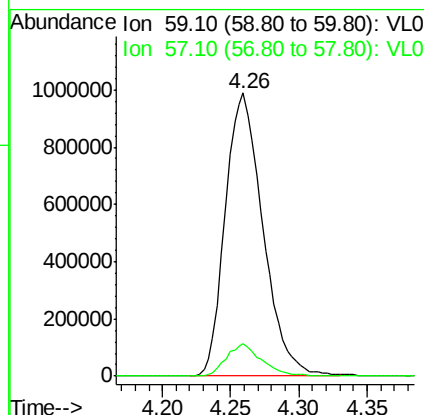
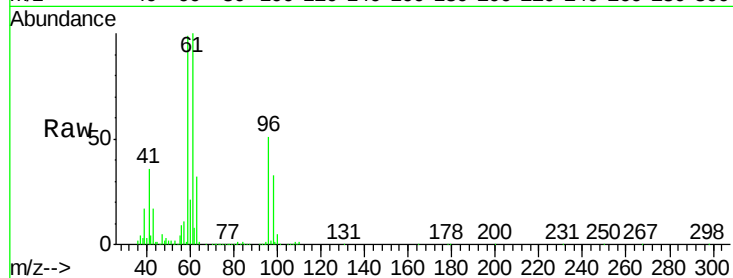
tert-Butyl alcohol
Concen: 11.989 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 59 Resp: 1899961
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

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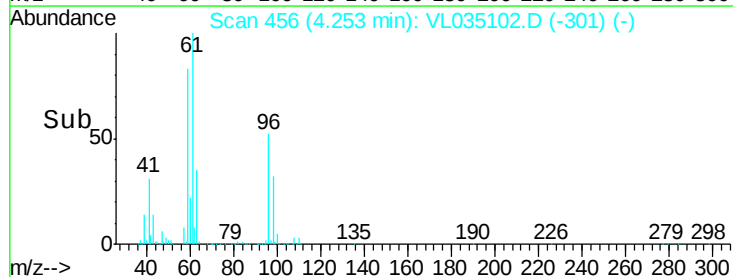
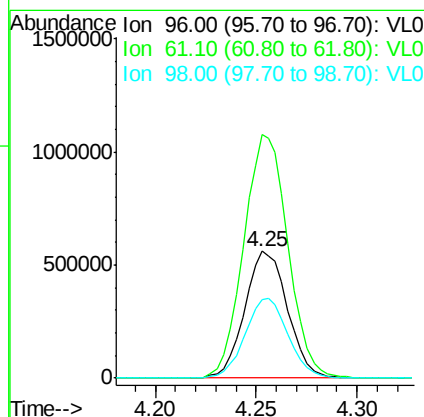
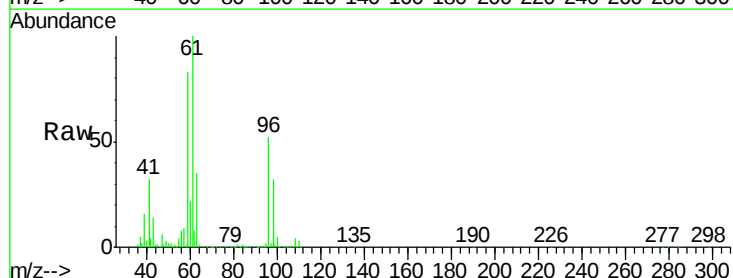
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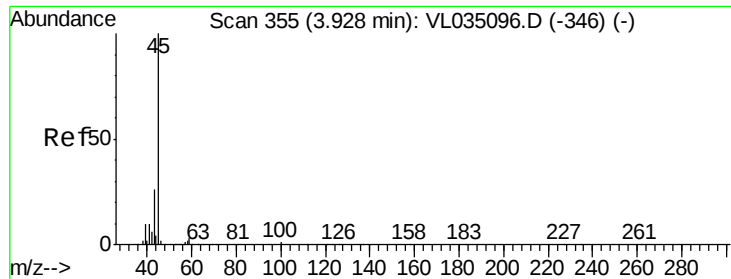


#18

1,1-Dichloroethene
Concen: 13.597 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion: 96 Resp: 831095
Ion Ratio Lower Upper
96 100
61 191.8 152.2 228.4
98 61.4 47.7 71.5





#19

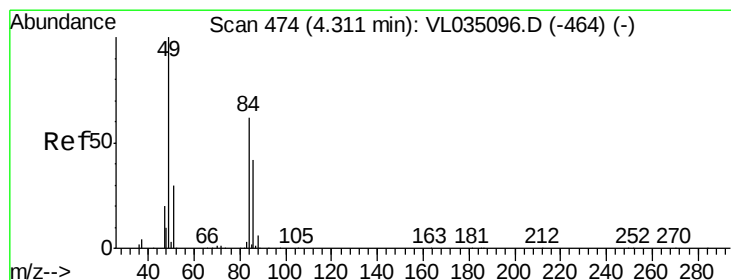
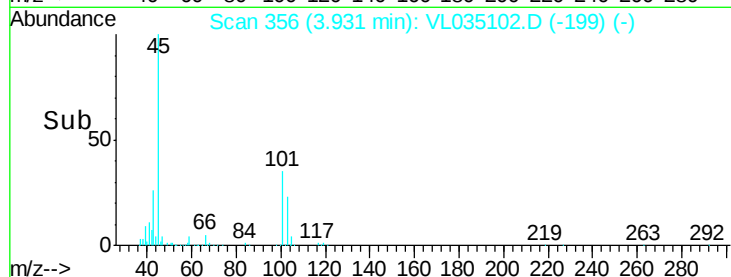
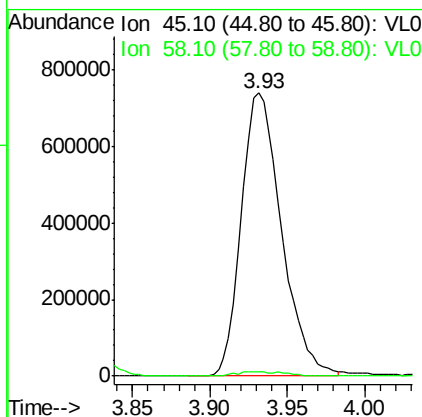
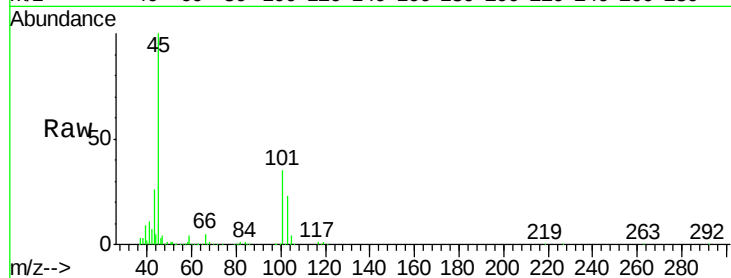
Isopropyl Alcohol
 Concen: 11.344 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 45 Resp: 1335191
 Ion Ratio Lower Upper
 45 100
 58 2.2 1.8 2.8

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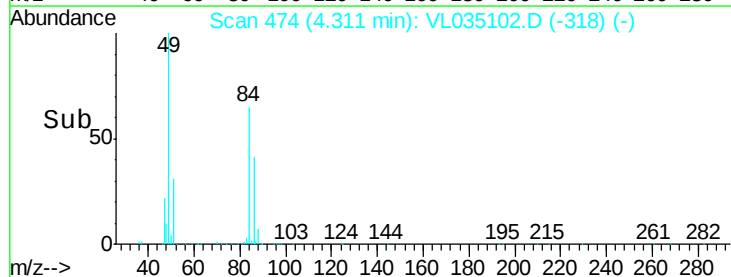
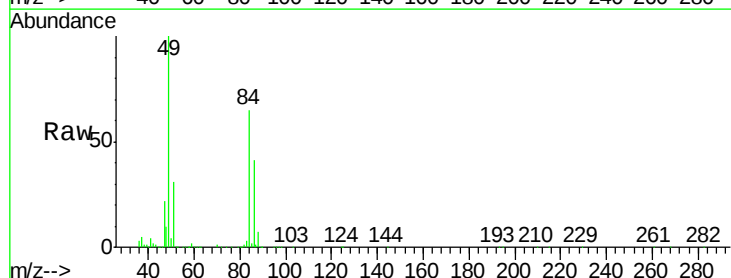
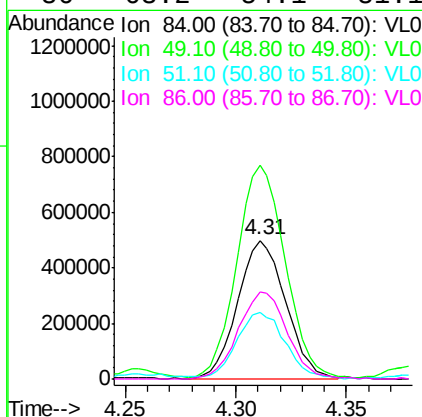
MMDadoda
 6/22/2020 2:09:12 PM

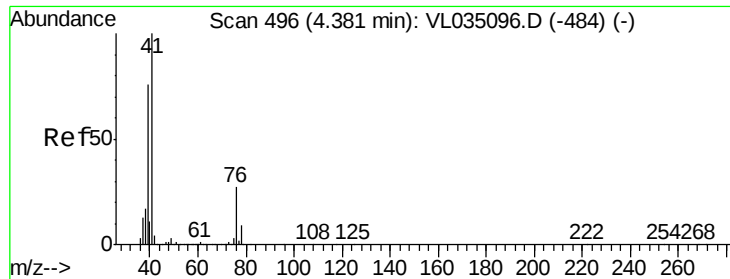


#20

Methylene Chloride
 Concen: 12.635 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Tgt Ion: 84 Resp: 746646
 Ion Ratio Lower Upper
 84 100
 49 153.2 128.8 193.2
 51 47.0 38.7 58.1
 86 63.2 54.1 81.1





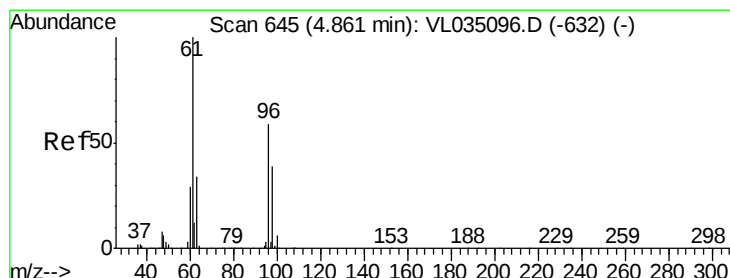
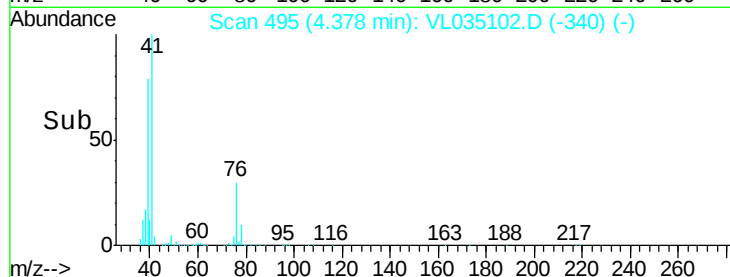
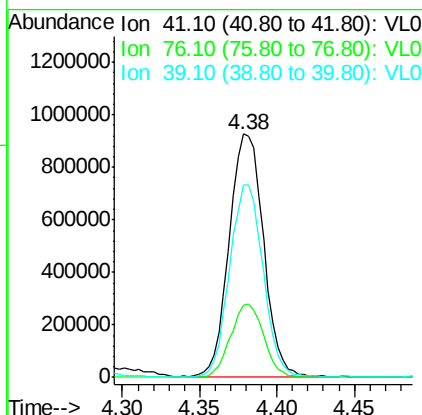
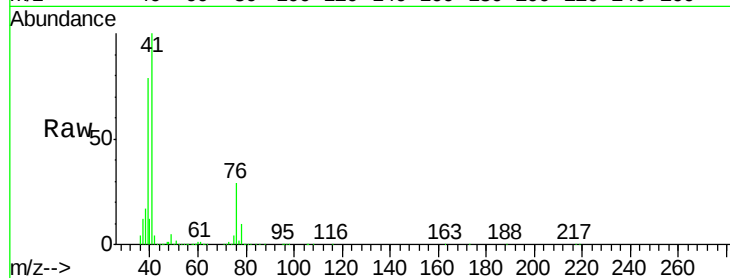
#21
Allvl Chloride
Concen: 14.116 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 41 Resp: 1420514
Ion Ratio Lower Upper
41 100
76 29.2 22.6 34.0
39 77.6 61.6 92.4

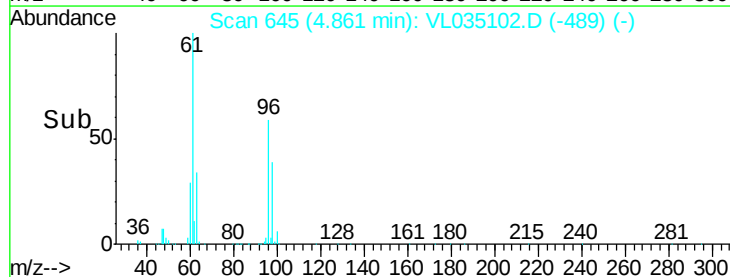
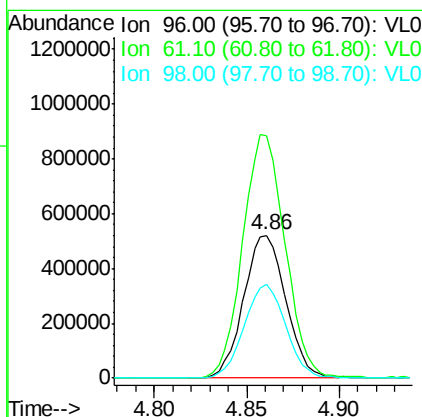
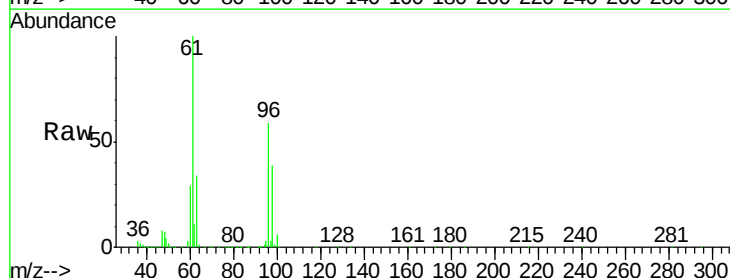
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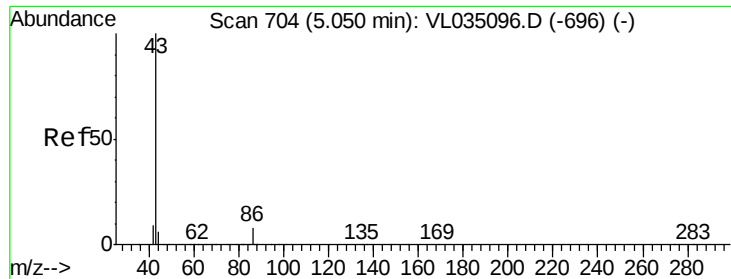
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#22
trans-1,2-Dichloroethene
Concen: 13.739 ppbv
RT: 4.86 min Scan# 645
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion: 96 Resp: 822893
Ion Ratio Lower Upper
96 100
61 170.1 134.5 201.7
98 65.7 52.6 79.0





#23

Vinyl Acetate

Concen: 13.445 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 3013236

Ion Ratio Lower Upper

43 100

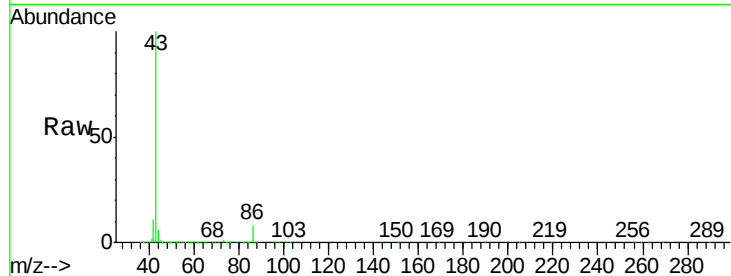
86 8.1 6.2 9.2

42 10.6 8.1 12.1

44 6.0 4.6 7.0

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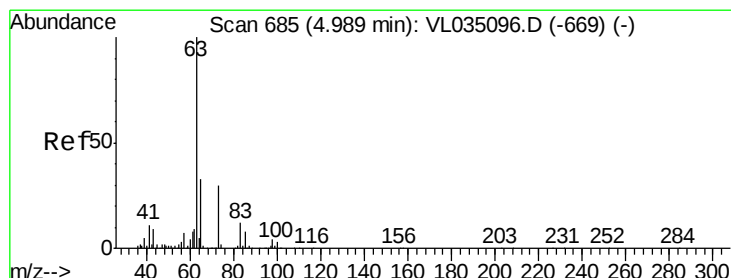
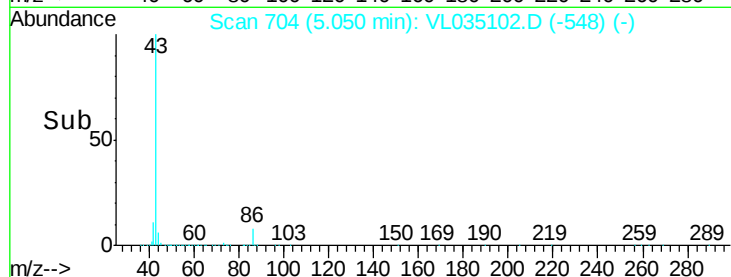
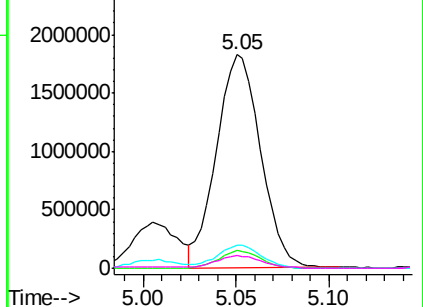


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 12.845 ppbv

RT: 4.99 min Scan# 685

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

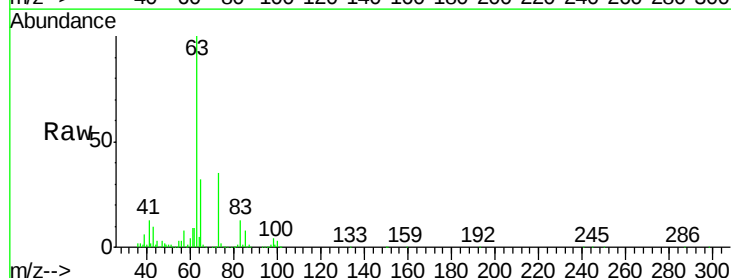
Tgt Ion: 63 Resp: 2243512

Ion Ratio Lower Upper

63 100

98 4.4 2.3 6.9

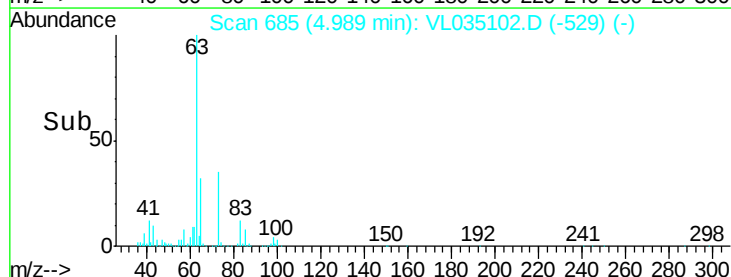
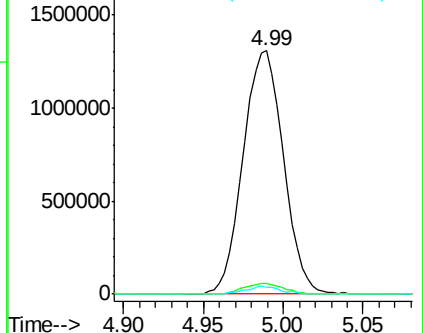
100 3.0 1.4 4.0

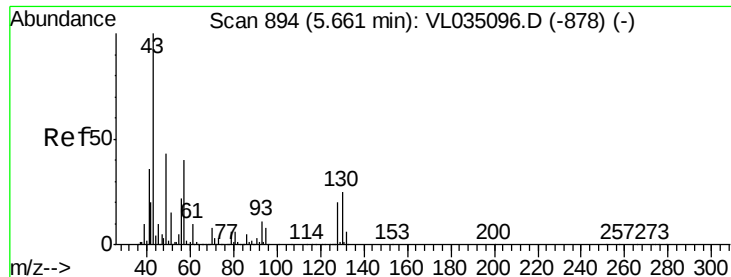


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





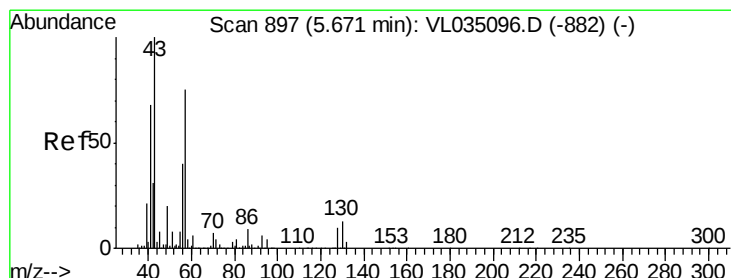
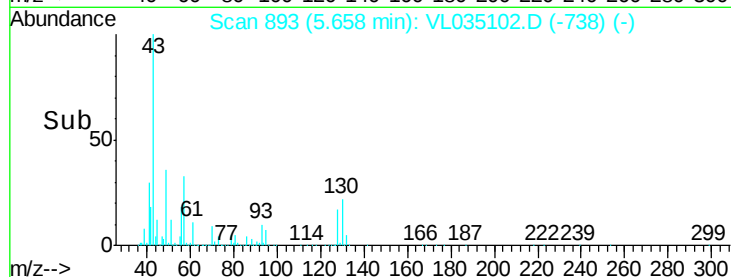
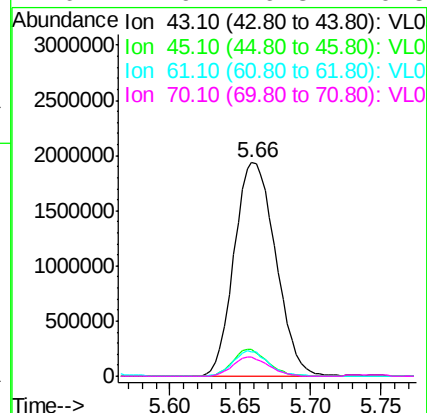
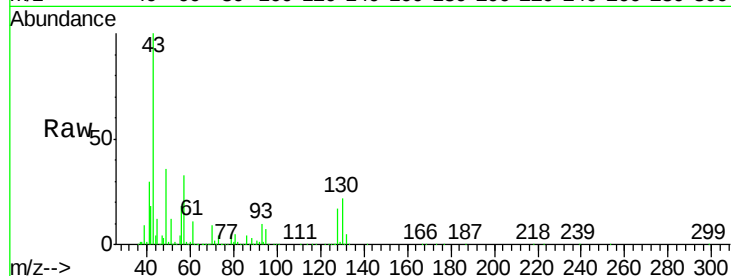
#25
Ethyl Acetate
Concen: 13.284 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.7	8.4	12.6	
61	10.2	8.0	12.0	
70	7.9	6.3	9.5	

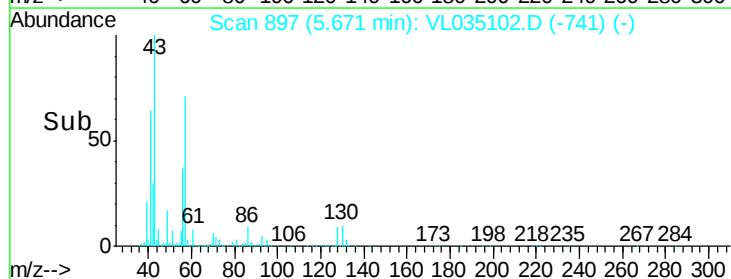
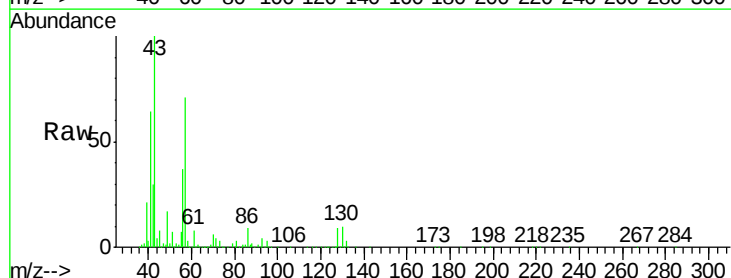
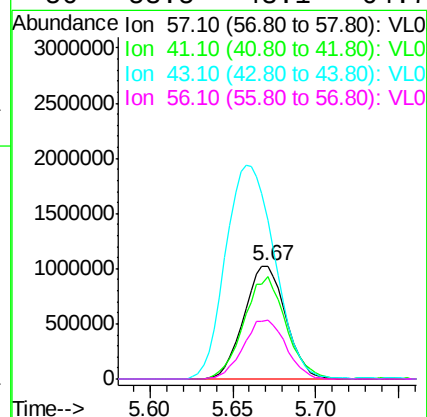
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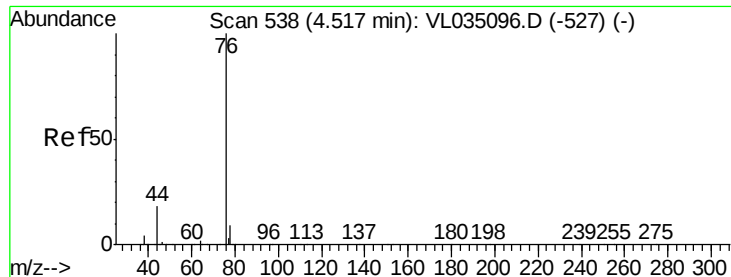
MMDadoda
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#26
Hexane
Concen: 13.774 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	91.4	72.9	109.3	
43	223.7	181.3	271.9	
56	53.5	43.1	64.7	





#27

Carbon Disulfide

Concen: 14.383 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 2182759

Ion Ratio Lower Upper

76 100

44 19.4 15.8 23.8

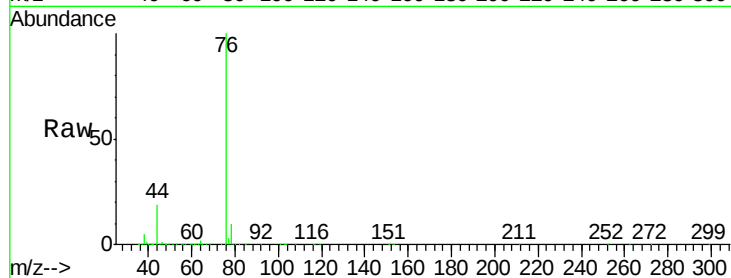
78 9.3 7.6 11.4

Manual Integrations

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MMDadoda

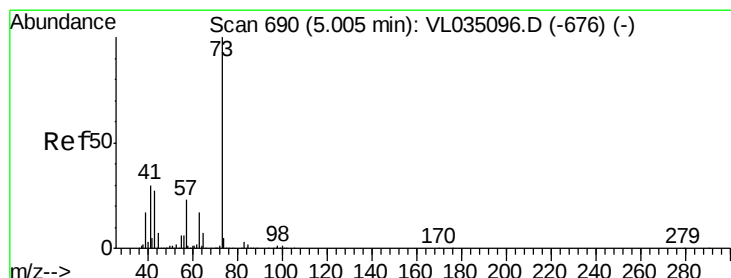
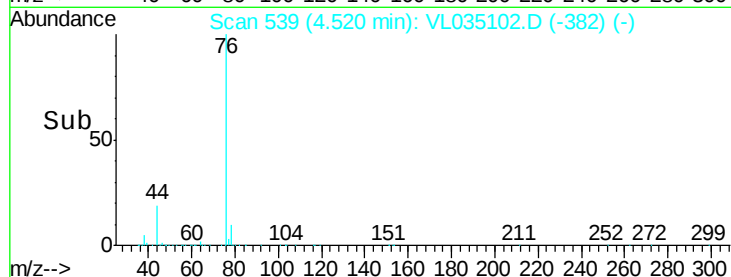
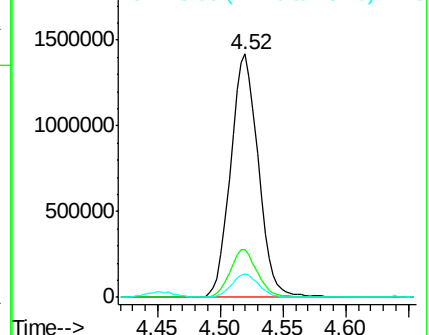
6/22/2020 2:09:12 PM



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: 13.256 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL035102.D

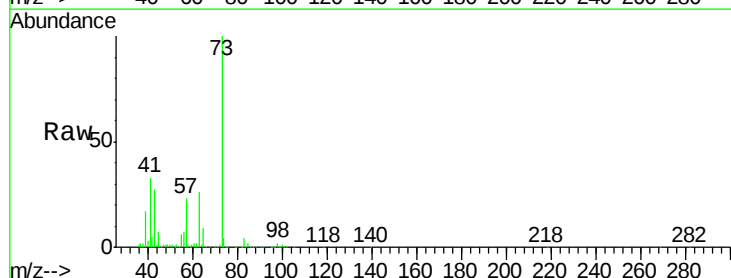
Acq: 19 Jun 2020 19:46

Tgt Ion: 73 Resp: 2619529

Ion Ratio Lower Upper

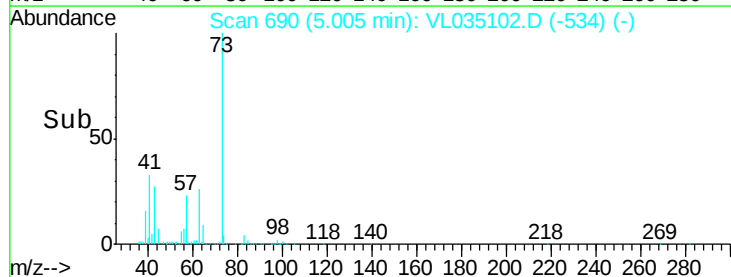
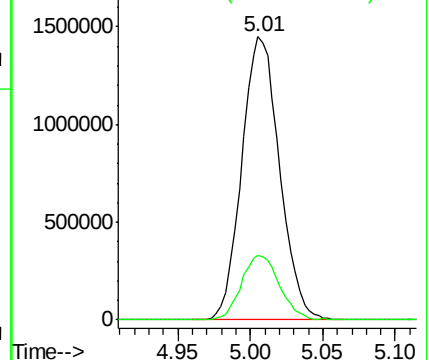
73 100

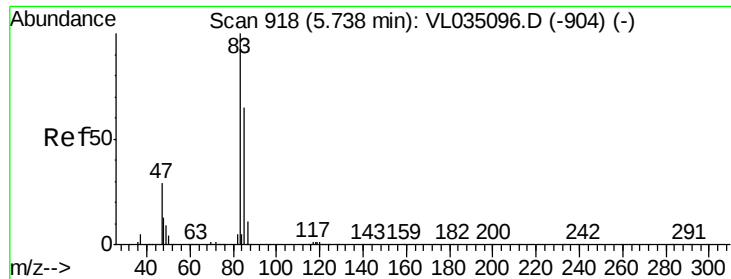
57 23.3 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





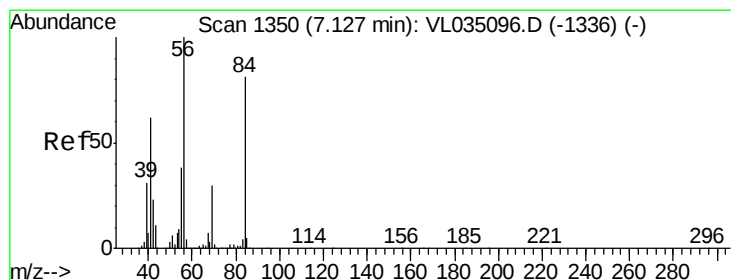
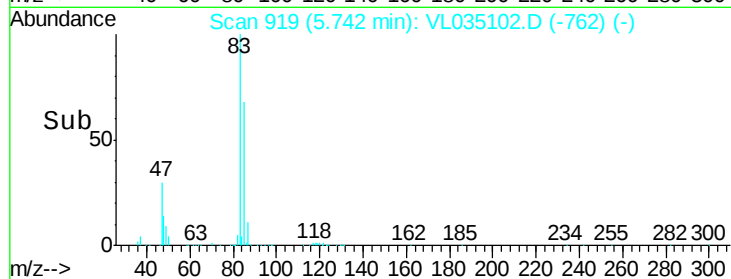
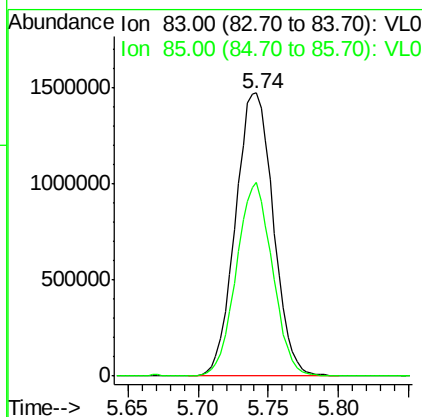
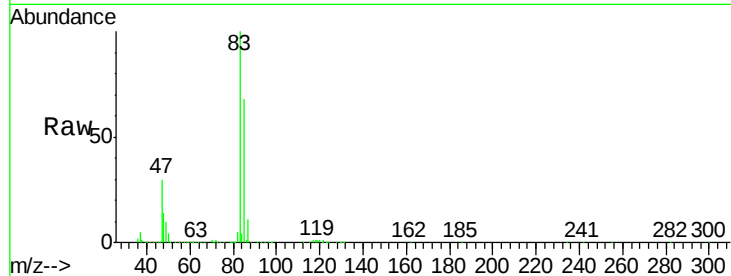
#29
Chloroform
Concen: 12.959 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 2767768
Ion Ratio Lower Upper
83 100
85 68.2 52.1 78.1

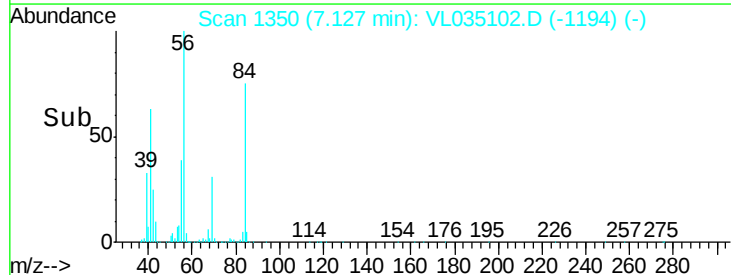
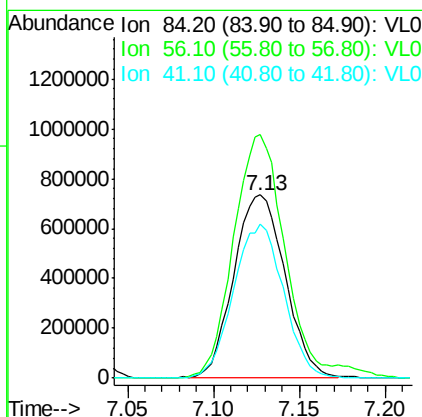
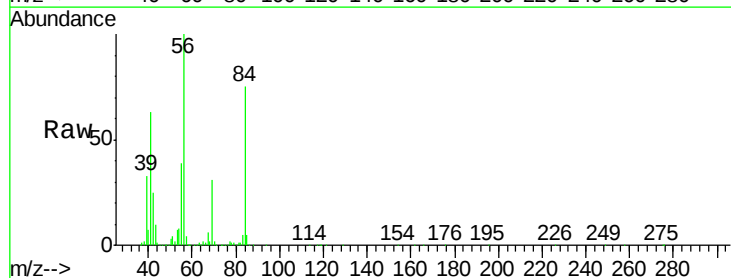
Manual Integrations
APPROVED

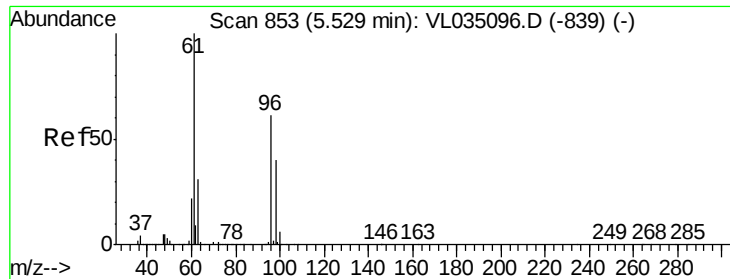
MMDadoda
6/22/2020 2:09:12 PM



#30
Cyclohexane
Concen: 14.981 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion: 84 Resp: 1512192
Ion Ratio Lower Upper
84 100
56 136.8 108.0 162.0
41 82.9 65.6 98.4





#31

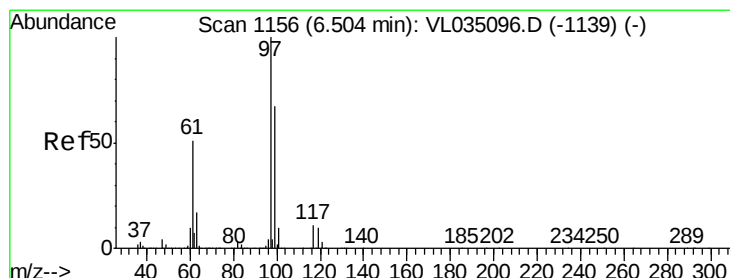
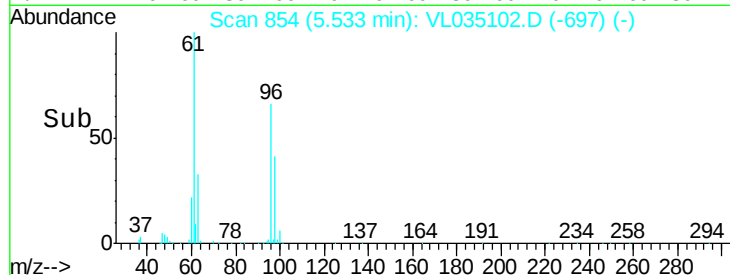
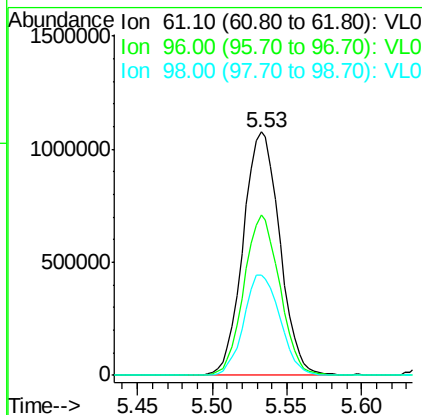
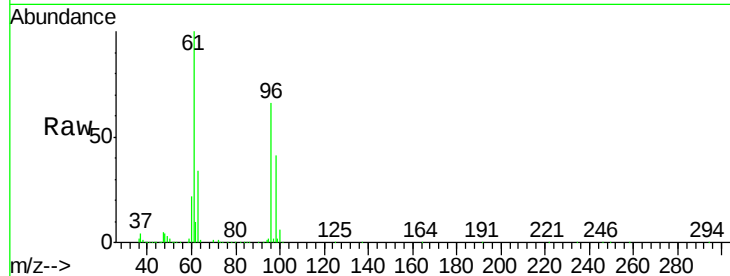
cis-1,2-Dichloroethene
Concen: 14.384 ppbv
RT: 5.53 min Scan# 854
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.9	48.8	73.2
98	41.0	31.9	47.9

Manual Integrations
APPROVED

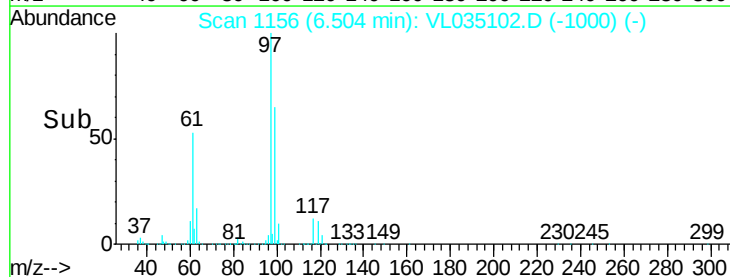
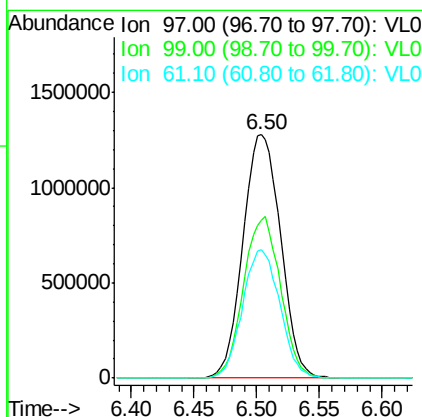
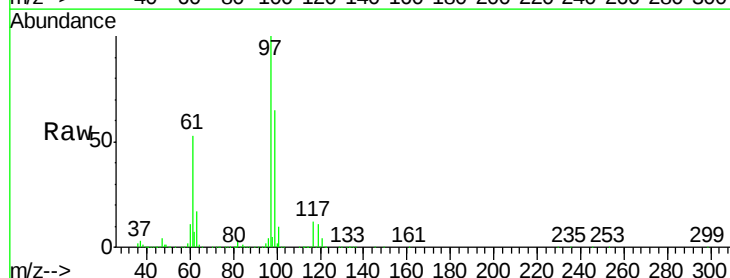
MMDadoda
6/22/2020 2:09:12 PM

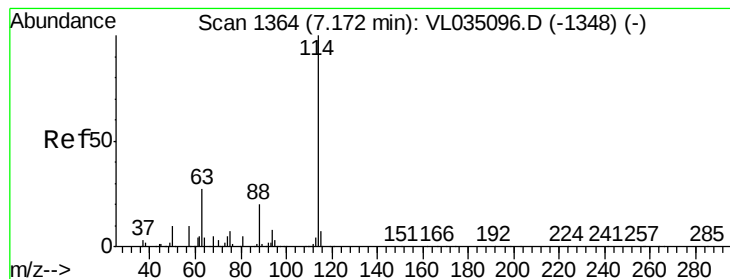


#32

1,1,1-Trichloroethane
Concen: 13.842 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	52.2	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: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:114 Resp: 3222658

Ion Ratio Lower Upper

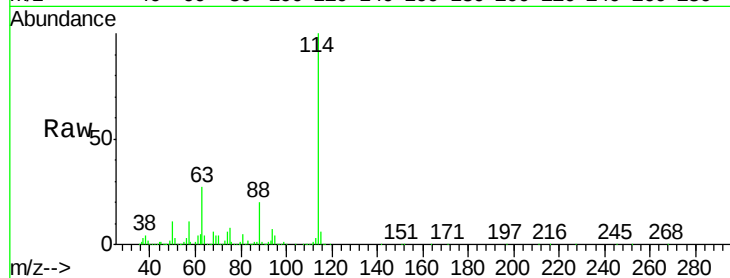
114 100

63 27.6 21.9 32.9

88 19.4 15.6 23.4

Manual Integrations
APPROVED

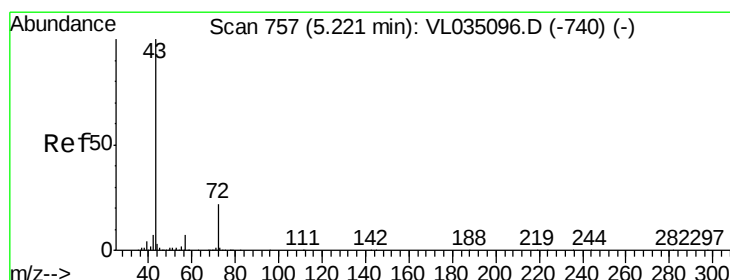
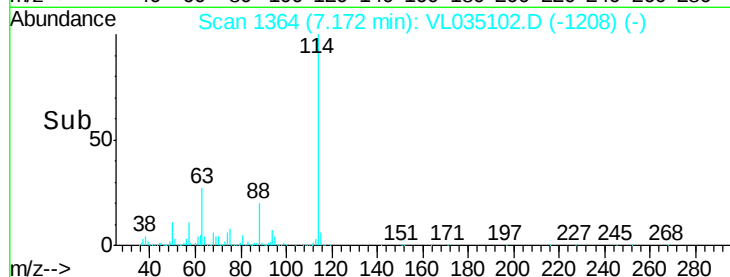
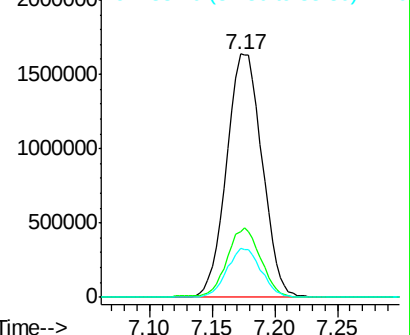
MMDadoda
6/22/2020 2:09:12 PM



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 13.089 ppbv

RT: 5.22 min Scan# 757

Delta R.T. 0.00 min

Lab File: VL035102.D

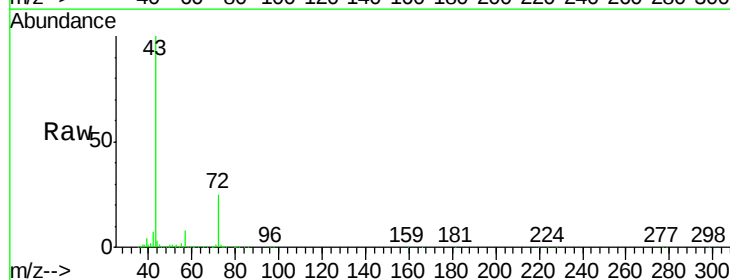
Acq: 19 Jun 2020 19:46

Tgt Ion: 43 Resp: 2603868

Ion Ratio Lower Upper

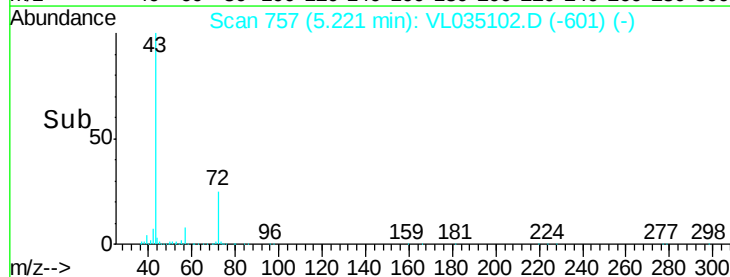
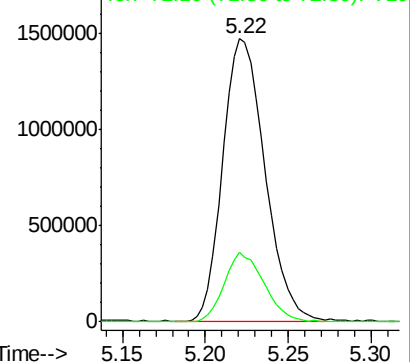
43 100

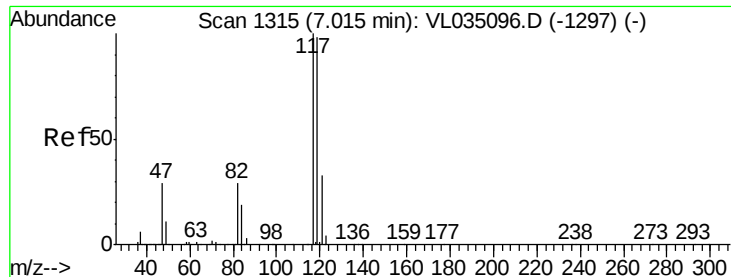
72 23.4 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





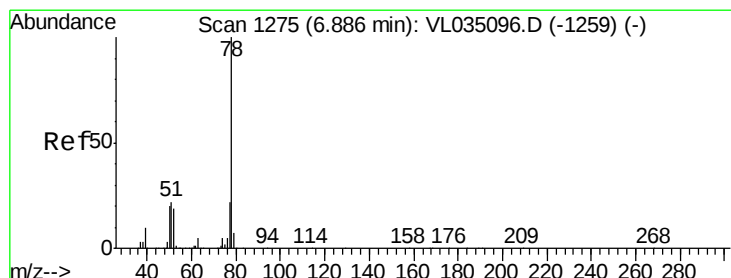
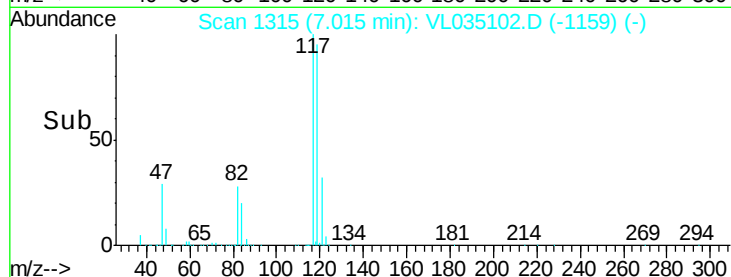
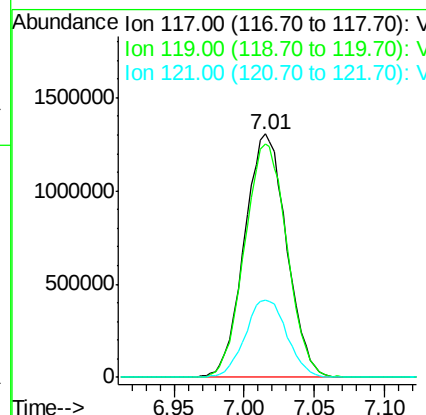
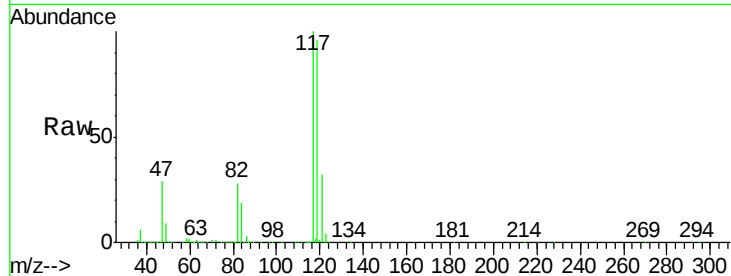
#35
Carbon Tetrachloride
Concen: 13.428 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.3	117.5
121	31.9	26.0	39.0

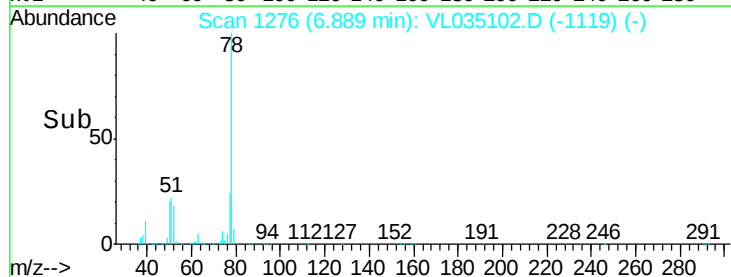
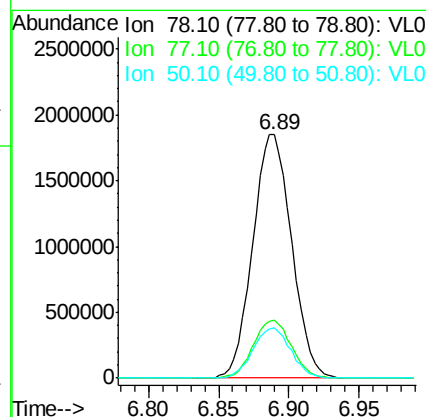
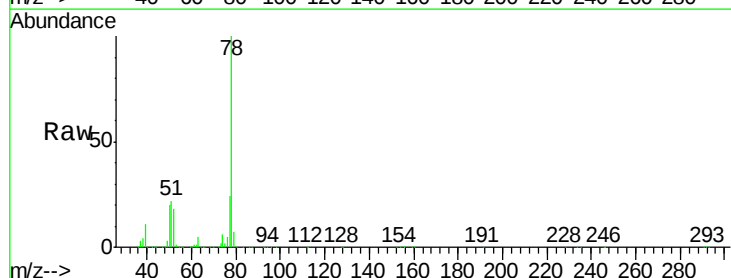
Manual Integrations
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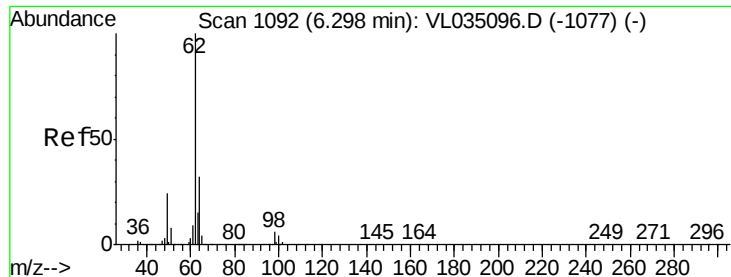
MMDadoda
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#36
Benzene
Concen: 13.442 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	17.8	26.6
50	20.5	16.2	24.2





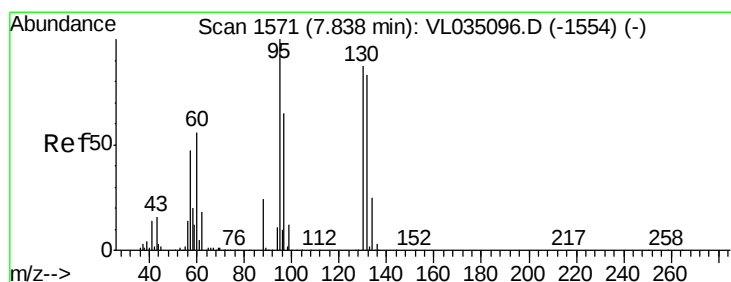
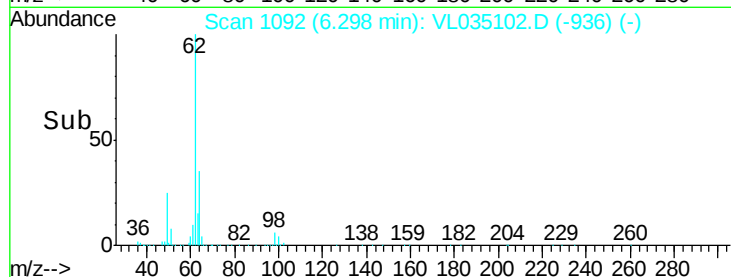
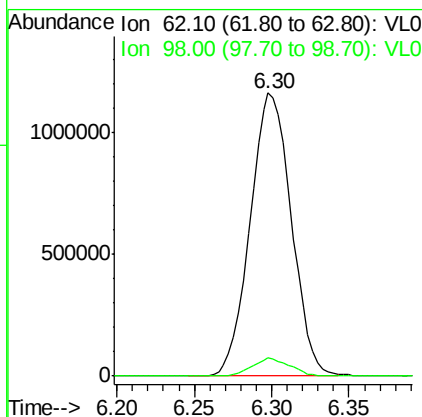
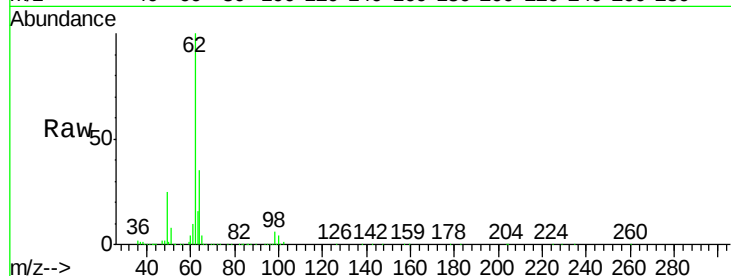
#37
 1,2-Dichloroethane
 Concen: 13.111 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 62 Resp: 2150785
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.8 7.2

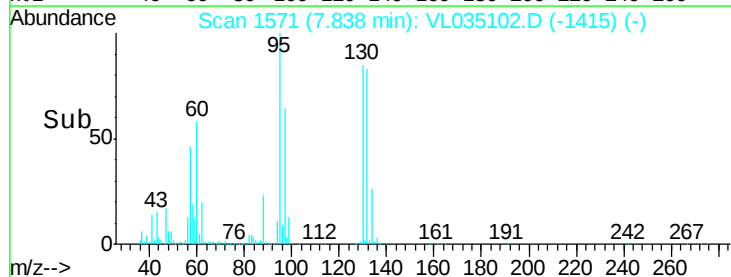
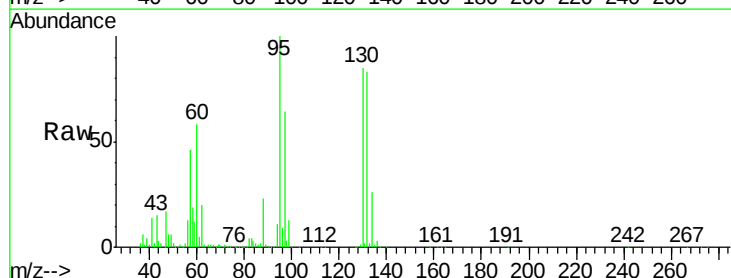
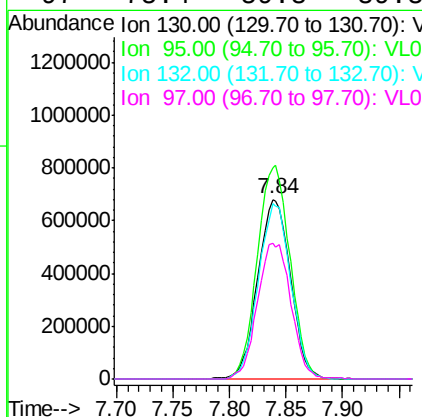
Manual Integrations
 APPROVED

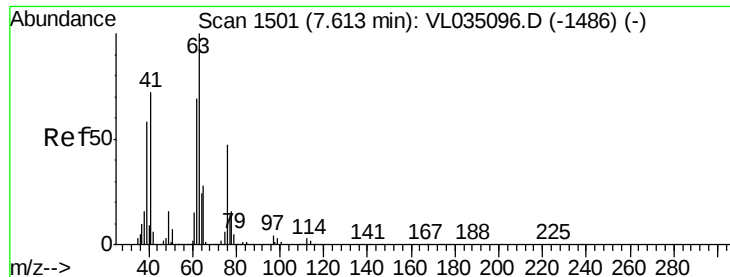
MMDadoda
 6/22/2020 2:09:12 PM



#38
 Trichloroethene
 Concen: 13.258 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Tgt Ion:130 Resp: 1368737
 Ion Ratio Lower Upper
 130 100
 95 117.3 91.4 137.2
 132 97.8 75.8 113.6
 97 75.4 59.8 89.8





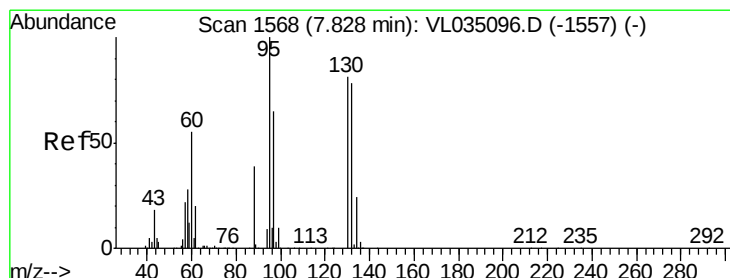
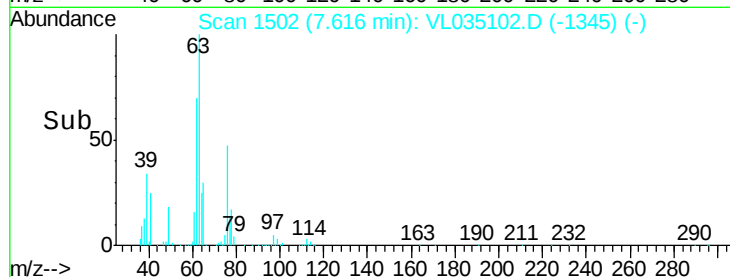
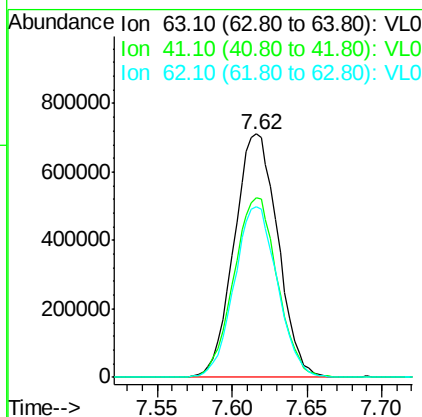
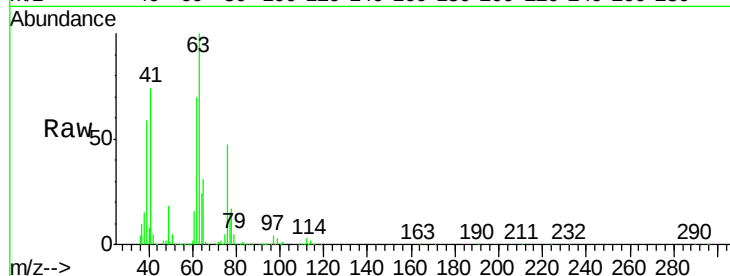
#39
 1,2-Dichloropropane
 Concen: 13.528 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
63	100		
41	73.5	58.0	87.0
62	70.1	55.4	83.0

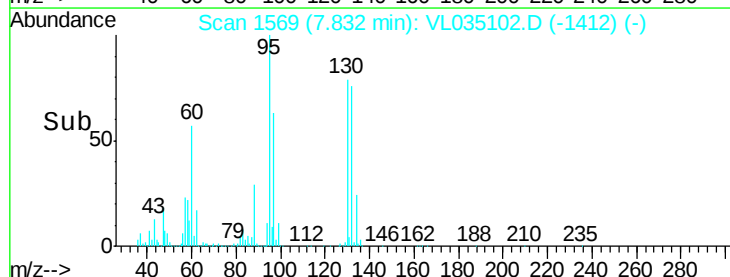
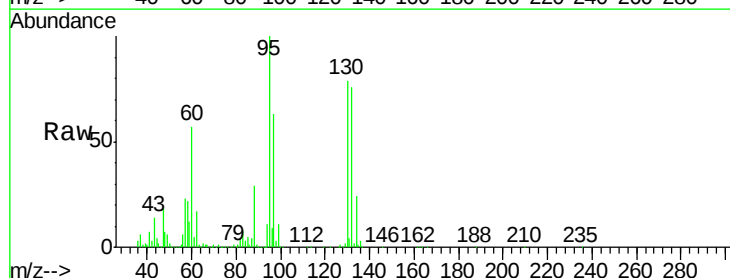
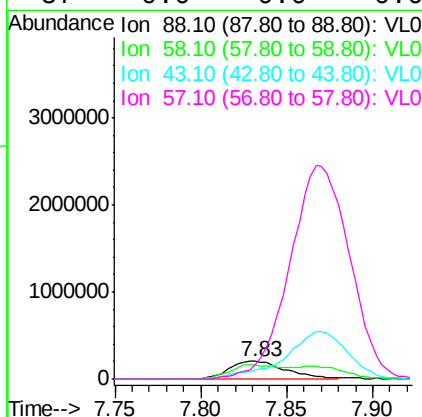
Manual Integrations
 APPROVED

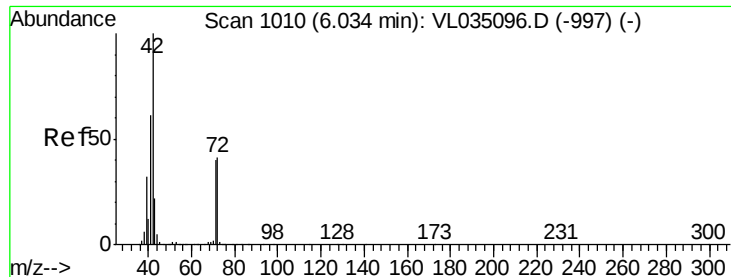
MMDadoda
 6/22/2020 2:09:12 PM



#40
 1,4-Dioxane
 Concen: 10.854 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	140.7	110.2	165.4
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 14.316 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 42 Resp: 1494300

Ion Ratio Lower Upper

42 100

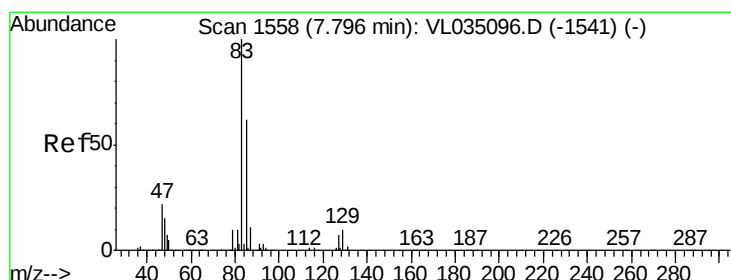
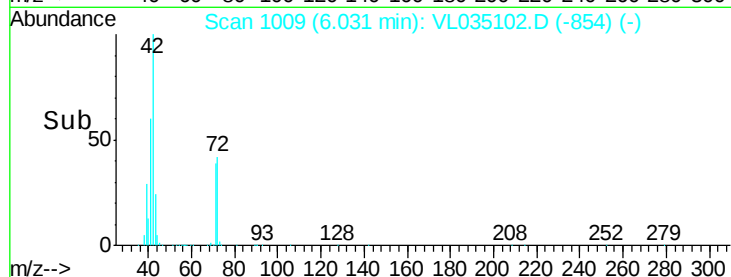
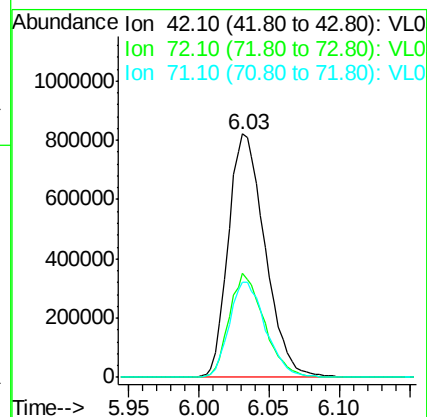
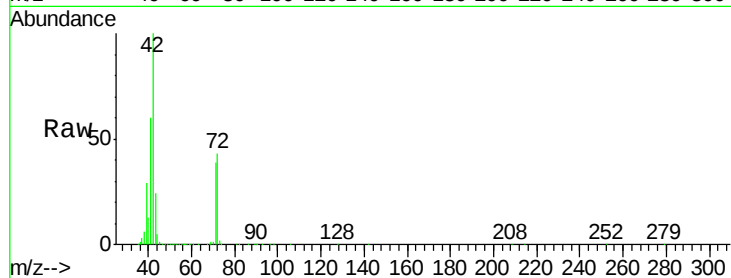
72 40.8 33.4 50.2

71 38.8 31.8 47.6

Manual Integrations
APPROVED

MMDadoda

6/22/2020 2:09:12 PM



#42

Bromodichloromethane

Concen: 13.292 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

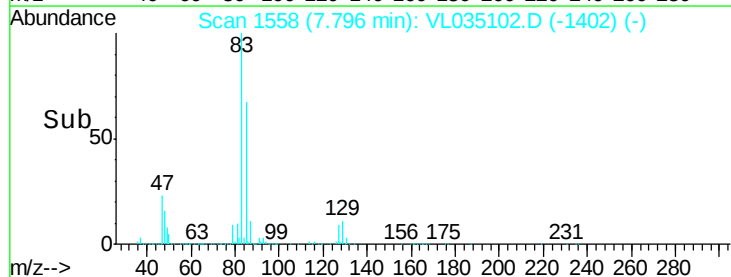
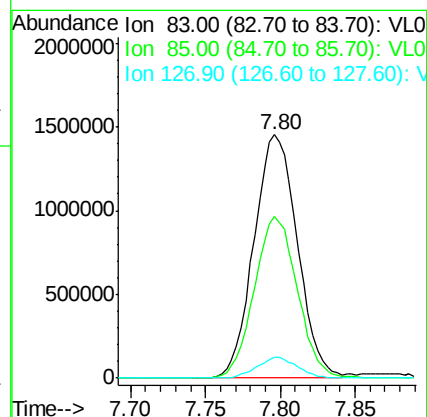
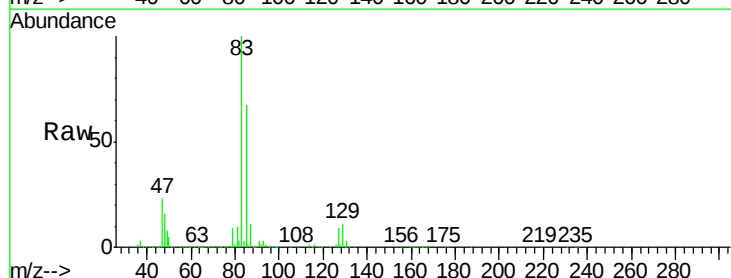
Tgt Ion: 83 Resp: 2938422

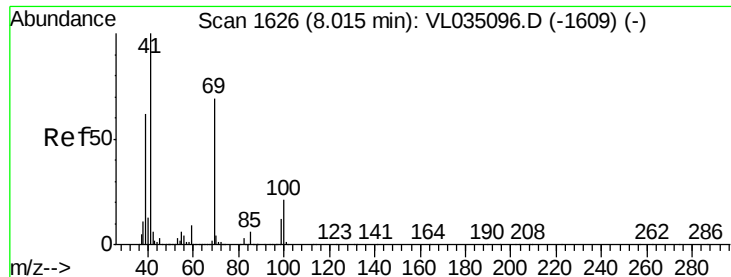
Ion Ratio Lower Upper

83 100

85 66.6 49.4 74.0

127 8.5 5.9 8.9





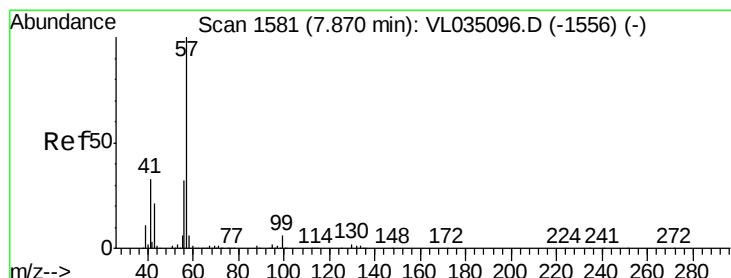
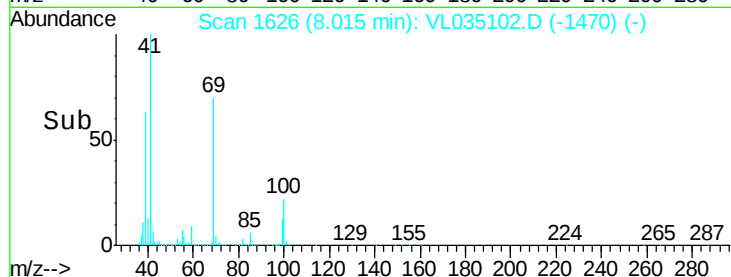
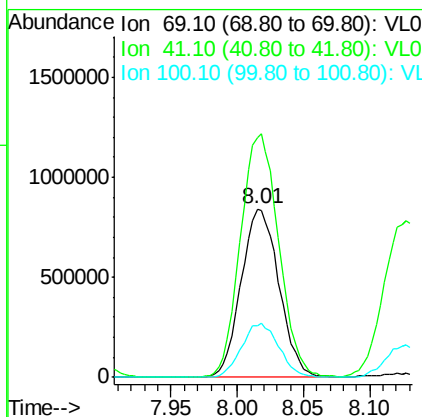
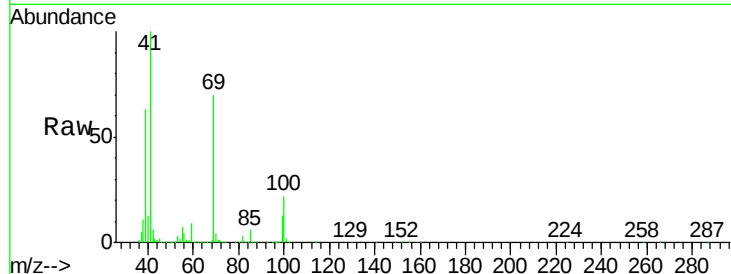
#43
Methvl Methacrvlate
Concen: 14.920 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 69 Resp: 1669857
Ion Ratio Lower Upper
69 100
41 146.2 116.4 174.6
100 31.8 25.3 37.9

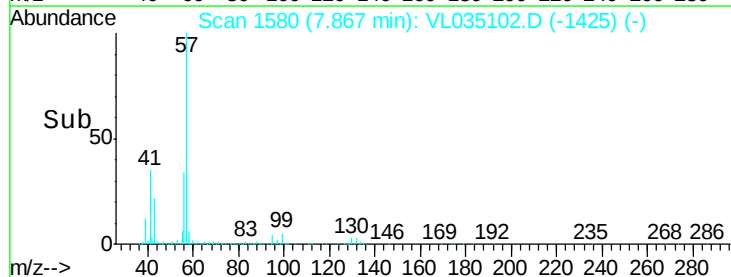
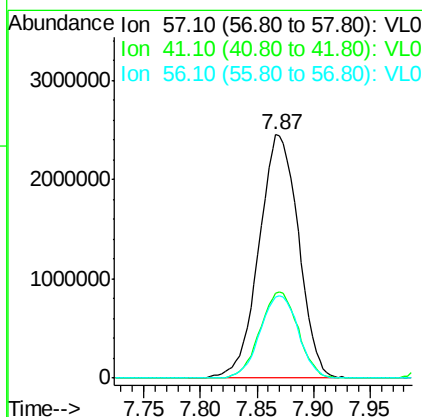
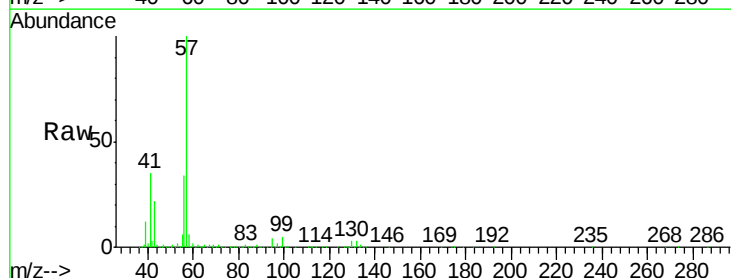
Manual Integrations
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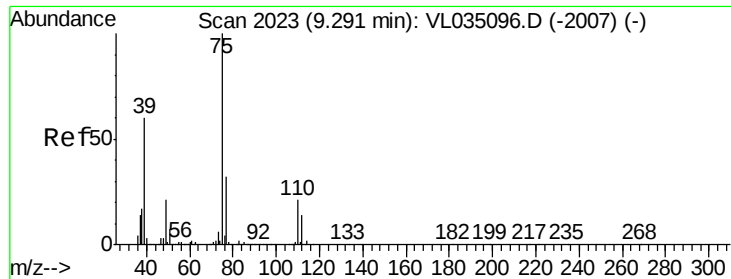
MMDadoda
6/22/2020 2:09:12 PM



#44
2,2,4-Trimethylpentane
Concen: 12.620 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion: 57 Resp: 5946294
Ion Ratio Lower Upper
57 100
41 34.1 26.2 39.2
56 32.9 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 16.808 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Tot Ion: 75 Resp: 1888608

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

Instrument :

MSVOA_L

ClientSampleId :

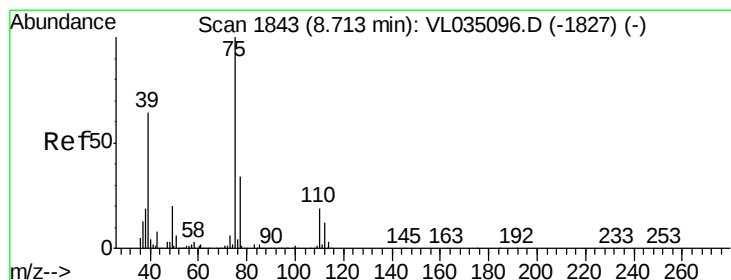
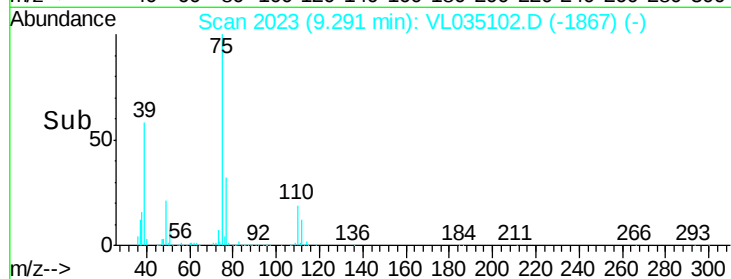
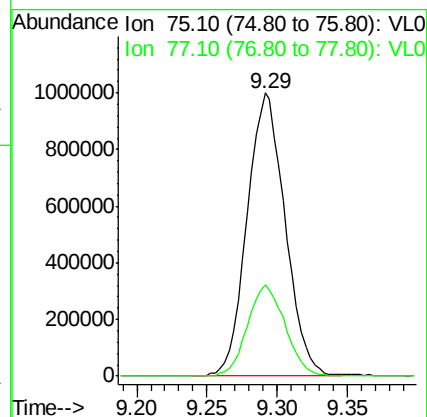
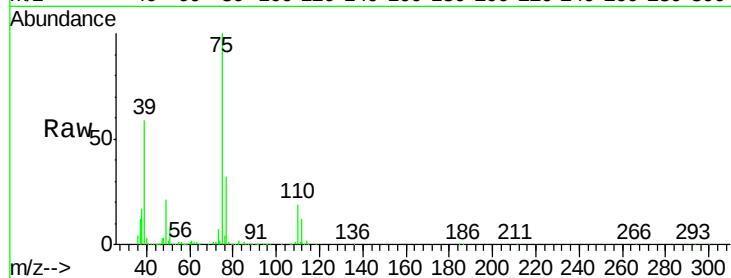
VSTDIC015

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MMDadoda

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#46

cis-1,3-Dichloropropene

Concen: 15.872 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

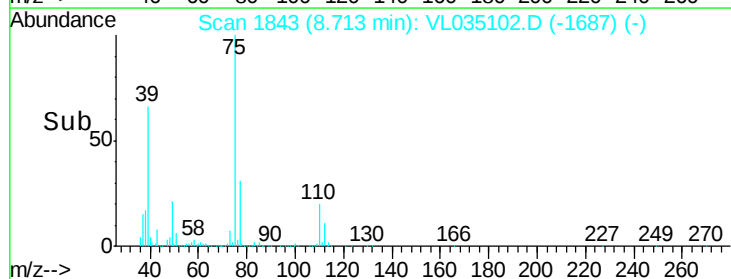
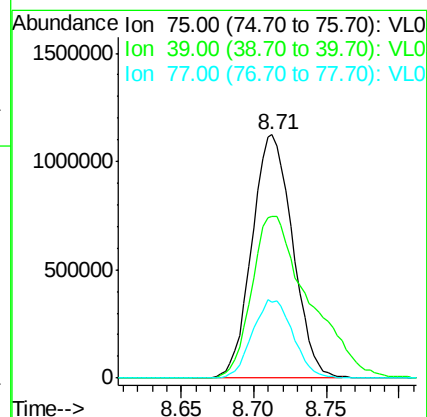
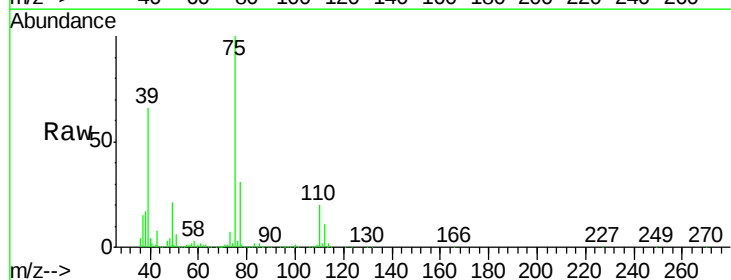
Tgt Ion: 75 Resp: 2193658

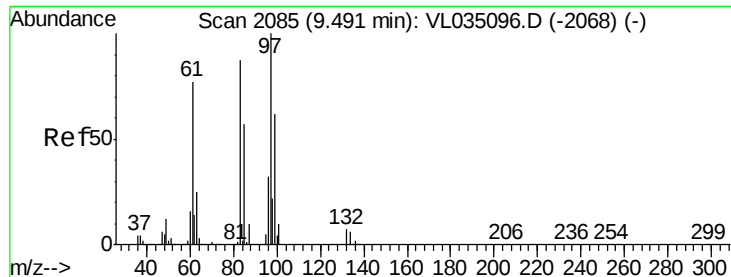
Ion Ratio Lower Upper

75 100

39 66.5 51.1 76.7

77 31.2 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 13.384 ppbv

RT: 9.49 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 97 Resp: 1506472

Ion Ratio Lower Upper

97 100

83 88.0 69.5 104.3

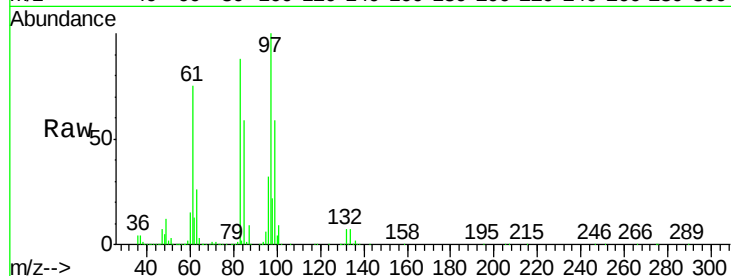
85 59.4 46.0 69.0

99 59.0 49.6 74.4

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MMDadoda

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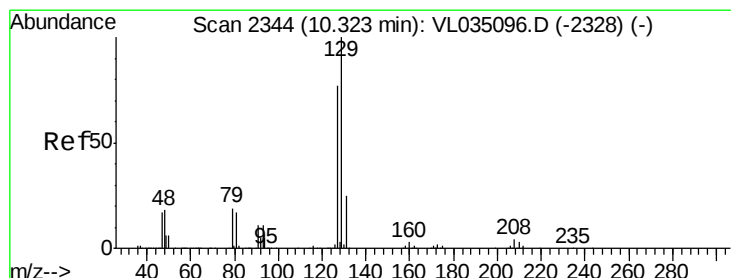
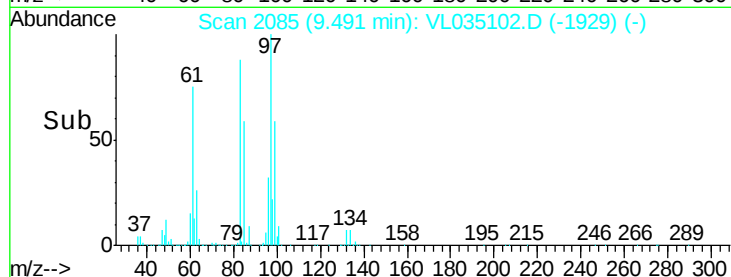
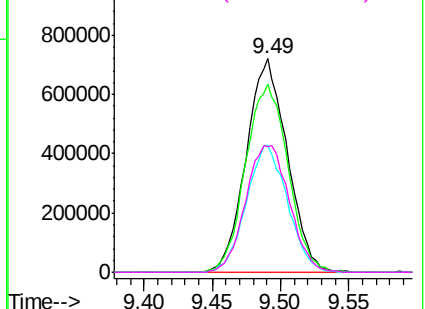


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 14.387 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. 0.00 min

Lab File: VL035102.D

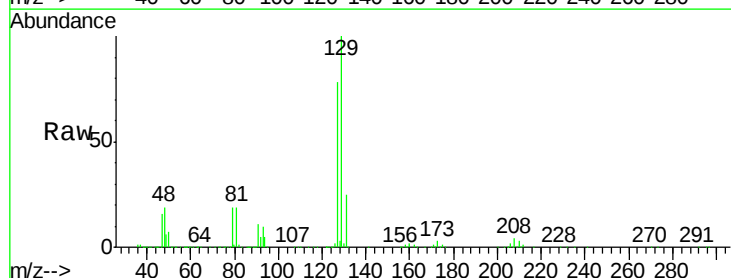
Acq: 19 Jun 2020 19:46

Tgt Ion: 129 Resp: 2484529

Ion Ratio Lower Upper

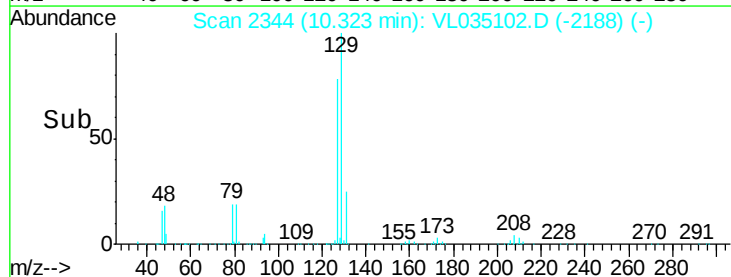
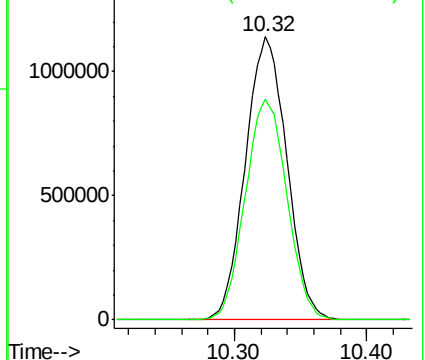
129 100

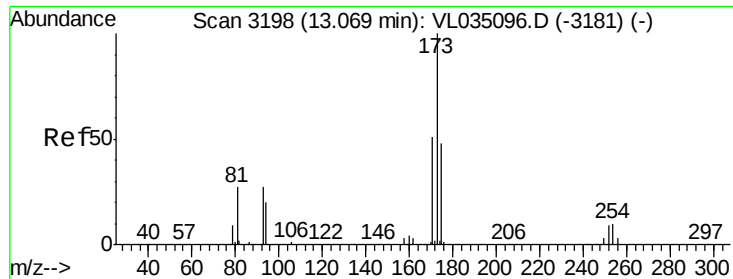
127 78.6 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





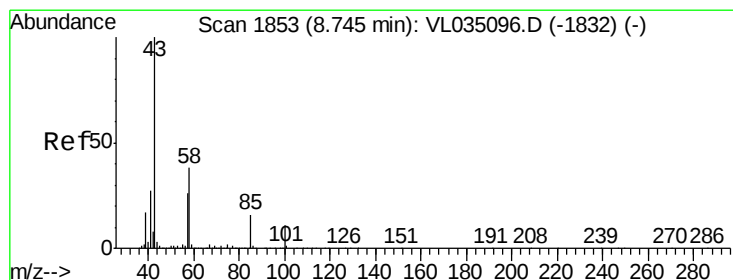
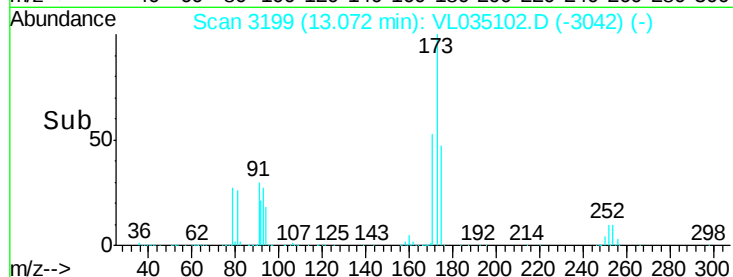
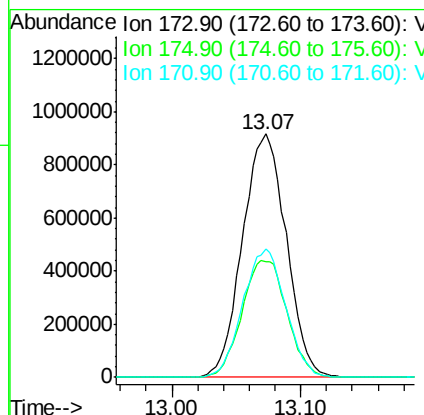
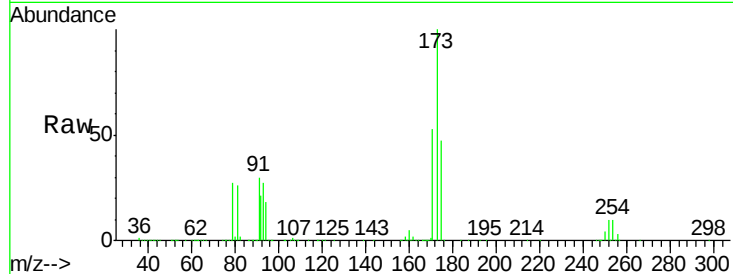
#49
Bromoform
Concen: 14.647 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:173 Resp: 2169000
Ion Ratio Lower Upper
173 100
175 49.5 39.1 58.7
171 51.9 41.7 62.5

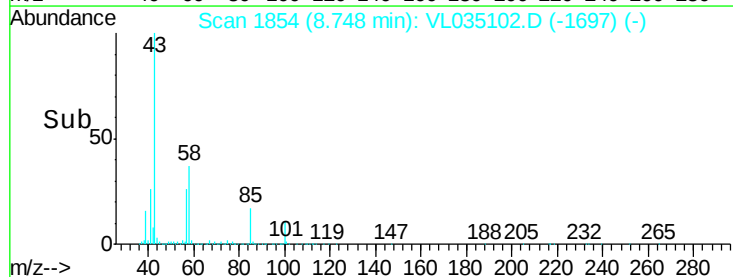
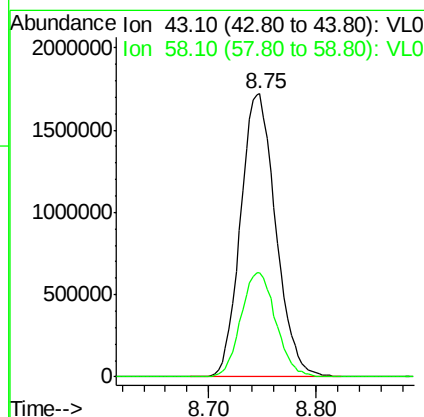
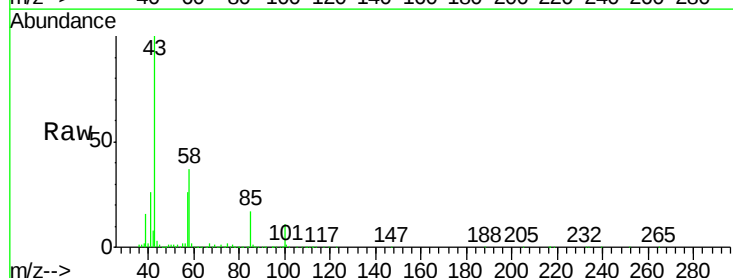
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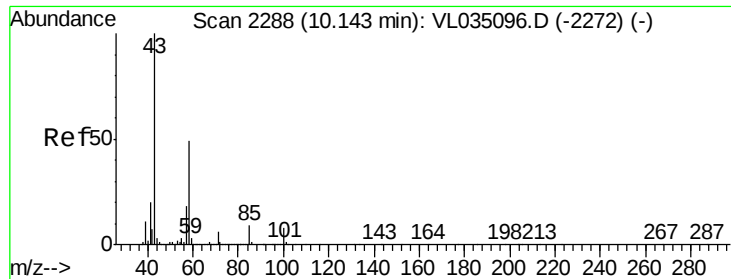
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 13.780 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion: 43 Resp: 3907770
Ion Ratio Lower Upper
43 100
58 36.7 29.4 44.0





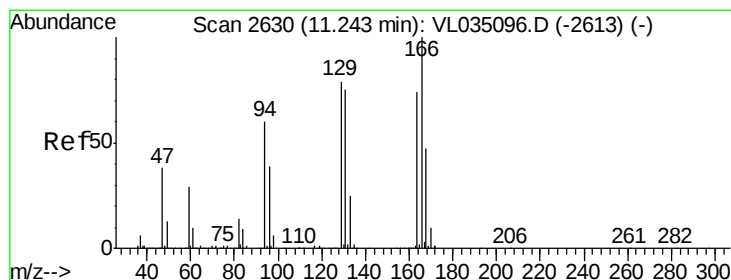
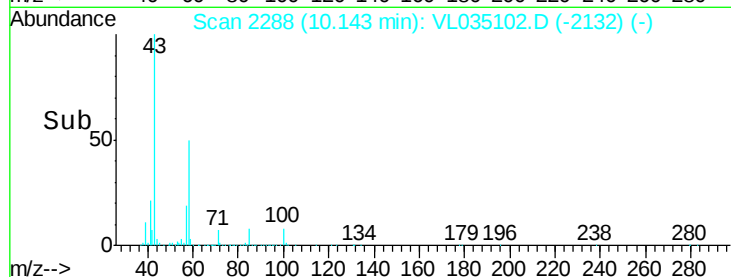
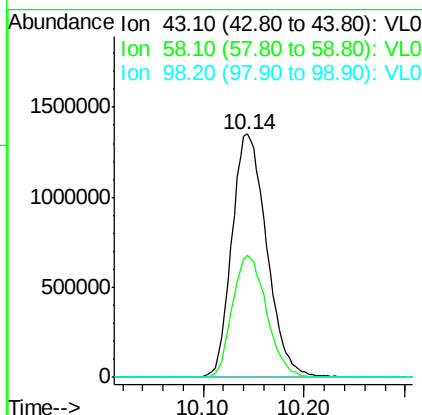
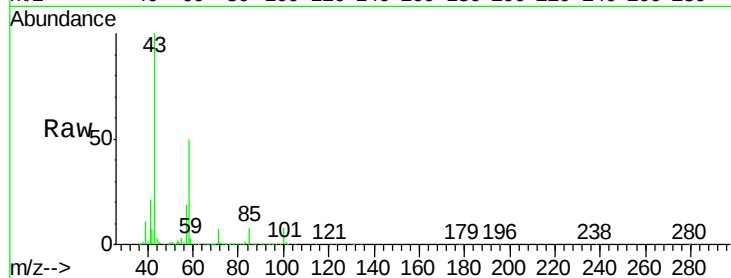
#51
2-Hexanone
Concen: 14.663 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 3244585
Ion Ratio Lower Upper
43 100
58 49.3 39.2 58.8
98 0.3 0.3 0.5#

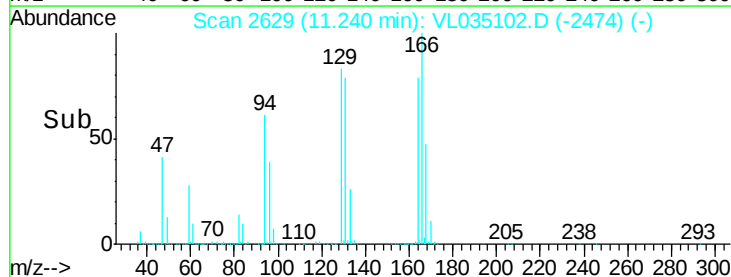
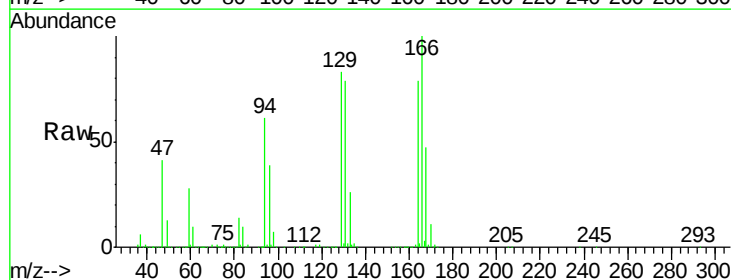
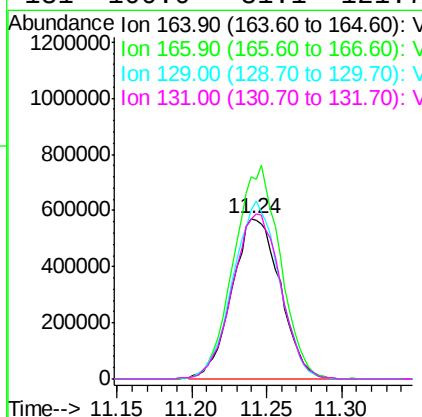
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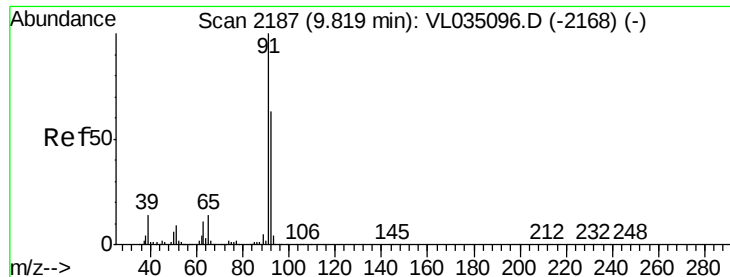
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#52
Tetrachloroethene
Concen: 13.420 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion:164 Resp: 1270021
Ion Ratio Lower Upper
164 100
166 126.1 107.5 161.3
129 105.1 84.9 127.3
131 100.0 81.1 121.7





#53

Toluene

Concen: 14.802 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 4165372

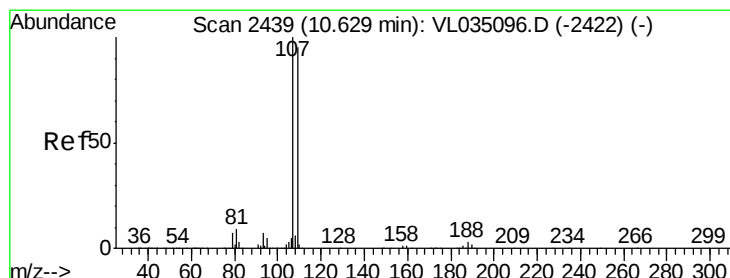
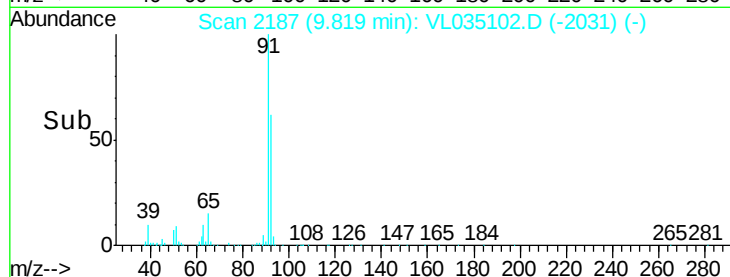
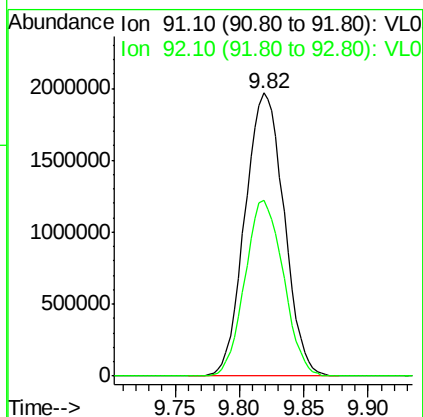
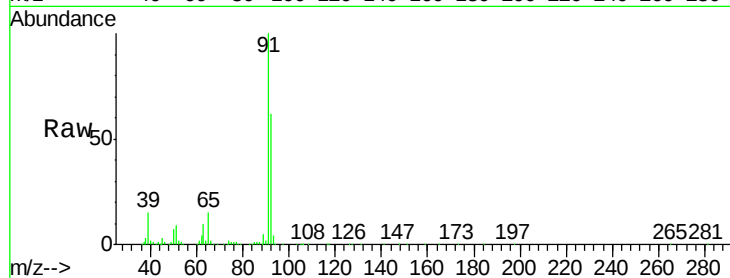
Ion Ratio Lower Upper

91 100

92 61.1 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 13.847 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL035102.D

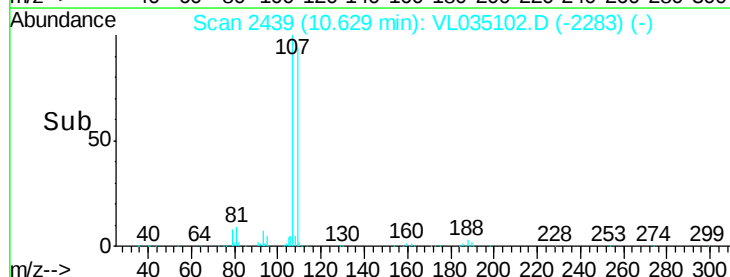
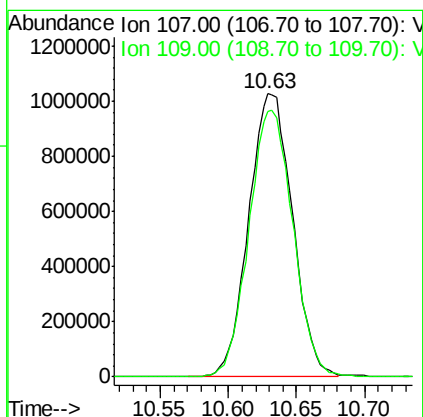
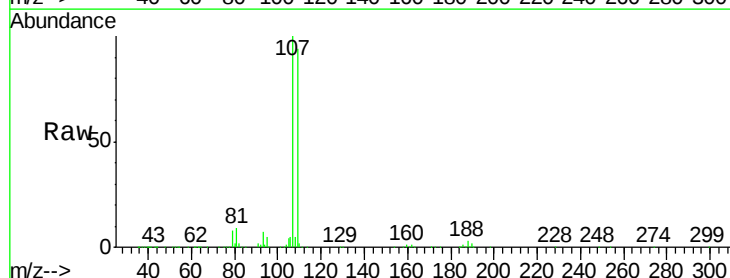
Acq: 19 Jun 2020 19:46

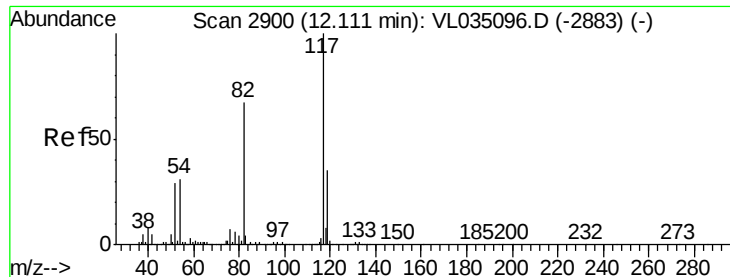
Tgt Ion: 107 Resp: 2284378

Ion Ratio Lower Upper

107 100

109 93.6 75.9 113.9





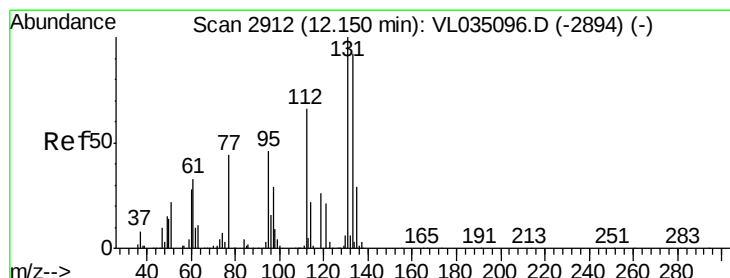
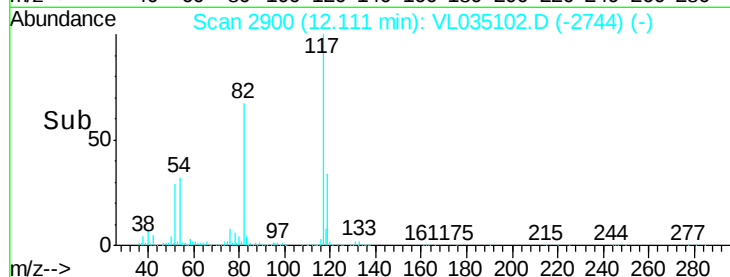
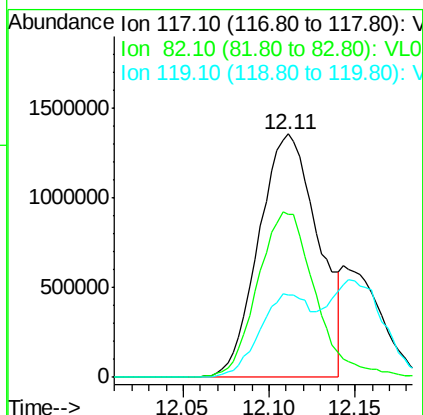
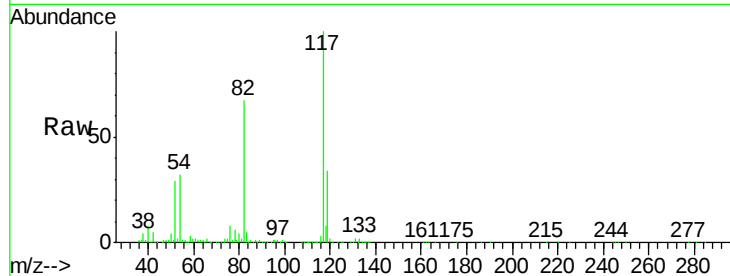
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:117 Resp: 3256336
Ion Ratio Lower Upper
117 100
82 66.4 50.4 75.6
119 32.0 25.4 38.0

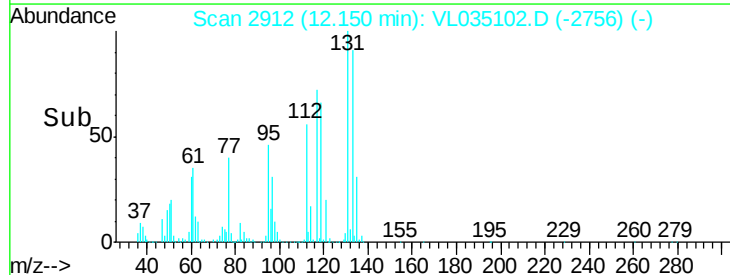
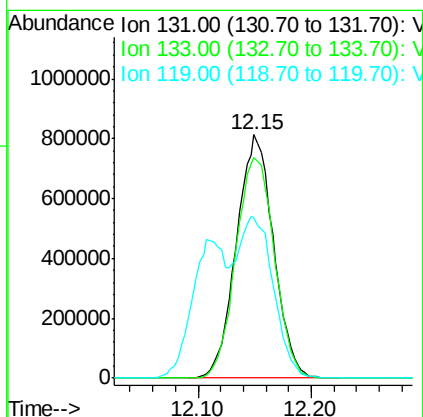
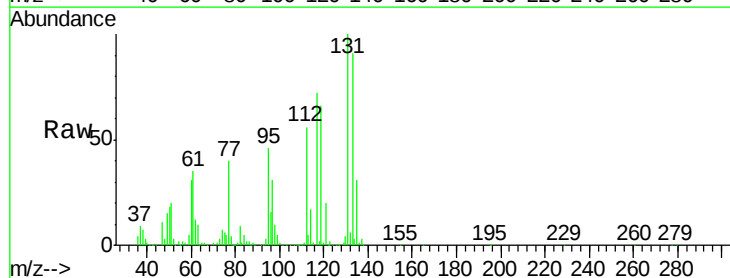
Manual Integrations
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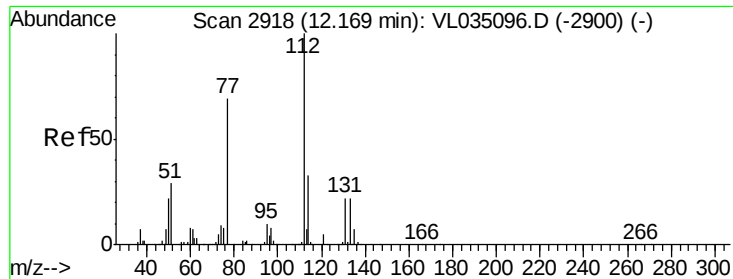
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 12.769 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion:131 Resp: 1854896
Ion Ratio Lower Upper
131 100
133 94.3 76.2 114.4
119 62.4 114.6 172.0#





#57

Chlorobenzene

Concen: 12.087 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:112 Resp: 3090665

Ion Ratio Lower Upper

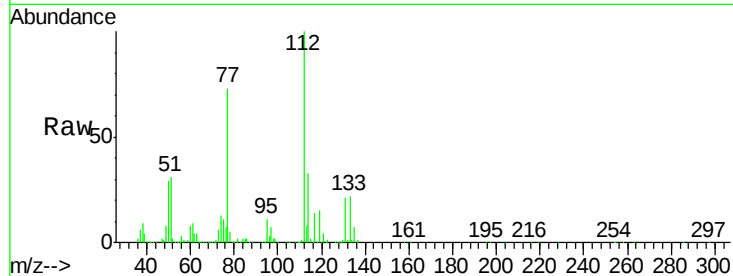
112 100

77 72.4 56.7 85.1

114 33.1 29.3 35.9

Manual Integrations
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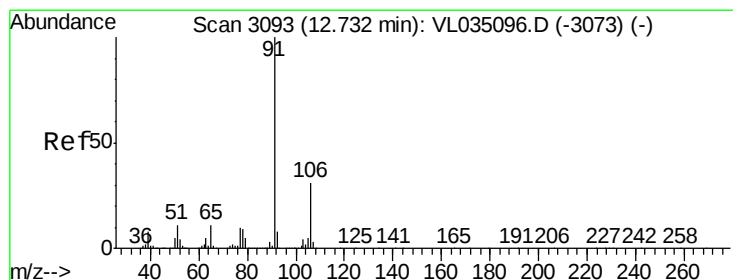
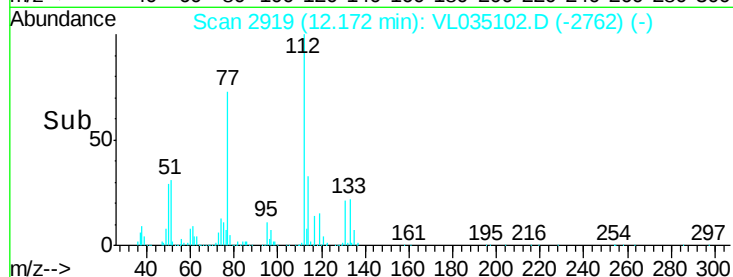
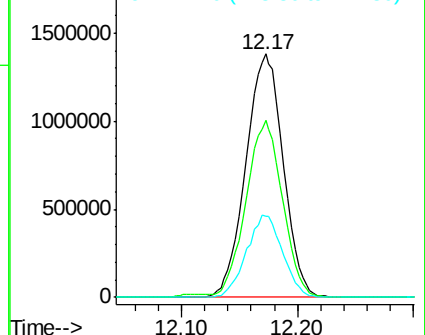
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 13.813 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL035102.D

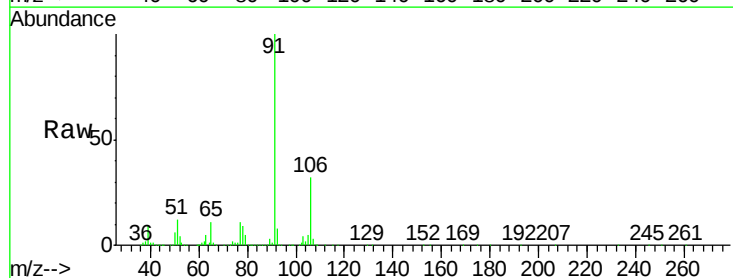
Acq: 19 Jun 2020 19:46

Tgt Ion: 91 Resp: 5475350

Ion Ratio Lower Upper

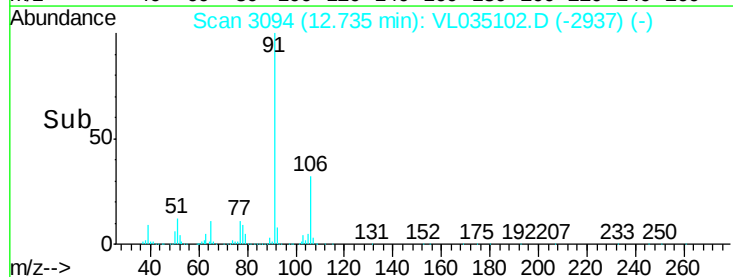
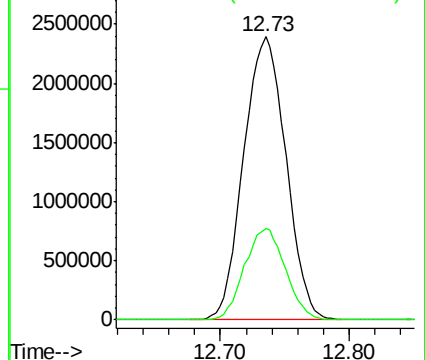
91 100

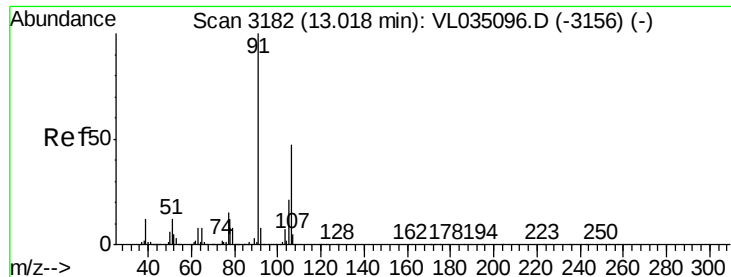
106 32.1 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





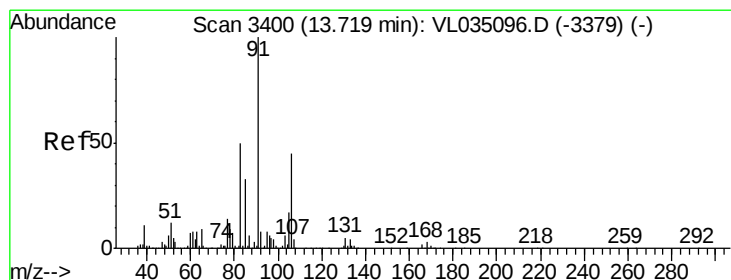
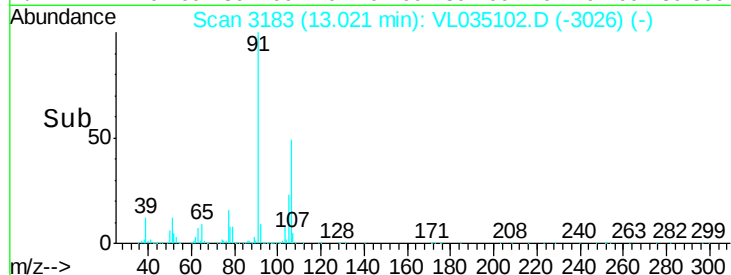
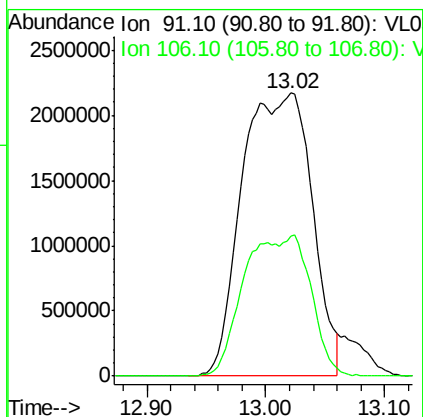
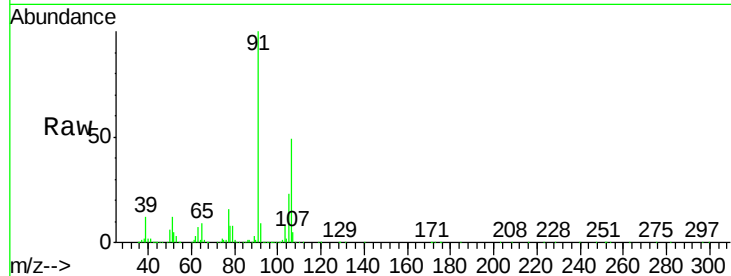
#59
m/p-Xylene
Concen: 25.244 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 8824078
Ion Ratio Lower Upper
91 100
106 47.5 36.5 54.7

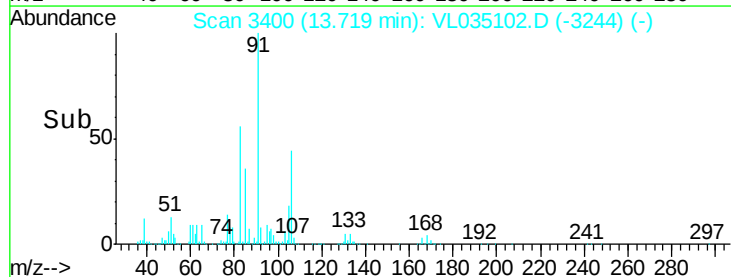
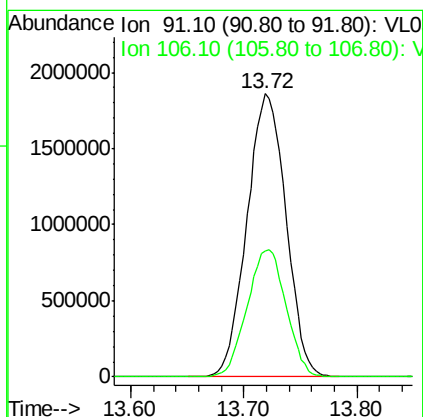
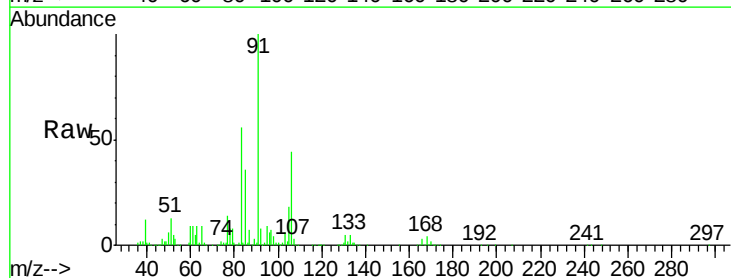
Manual Integrations
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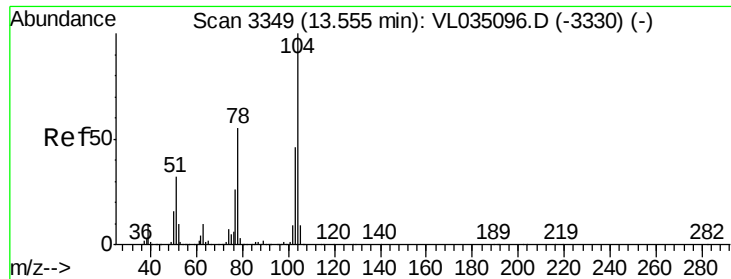
MMDadoda
6/22/2020 2:09:12 PM



#60
o-Xylene
Concen: 12.907 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion: 91 Resp: 4455278
Ion Ratio Lower Upper
91 100
106 44.9 22.1 66.5





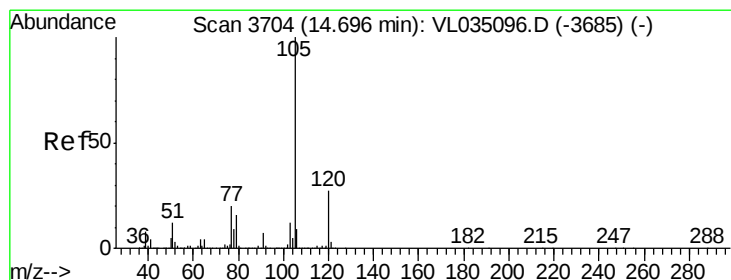
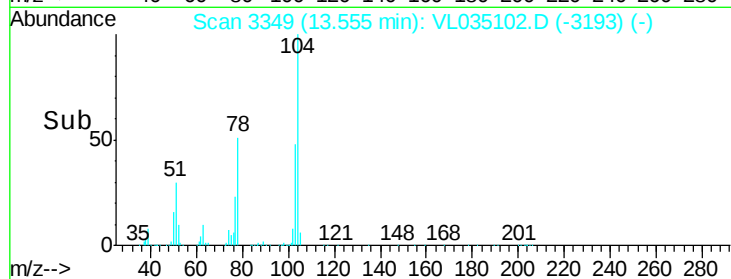
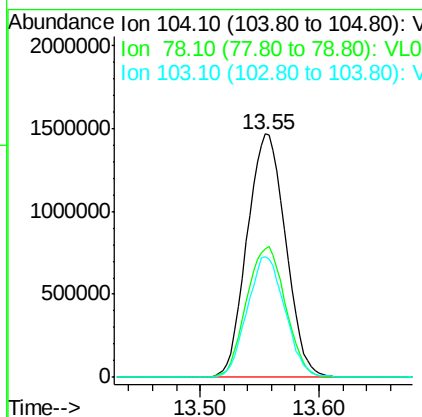
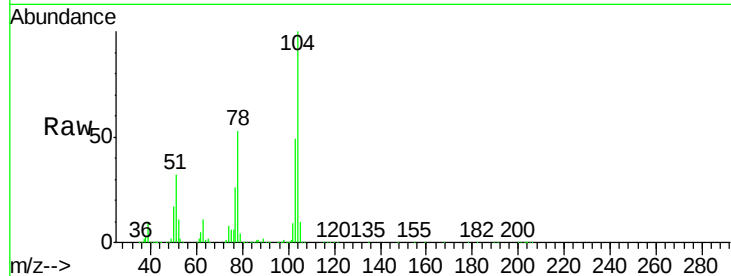
#61
Stvrene
Concen: 15.101 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.4	65.0
103	48.8	38.3	57.5

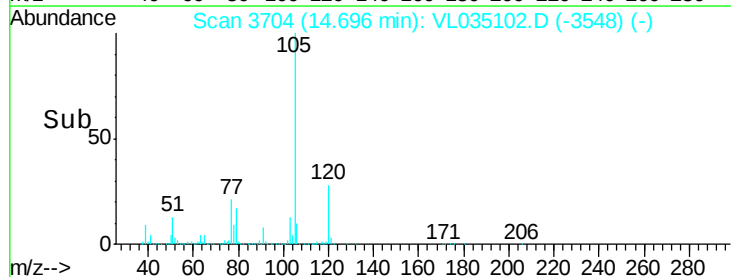
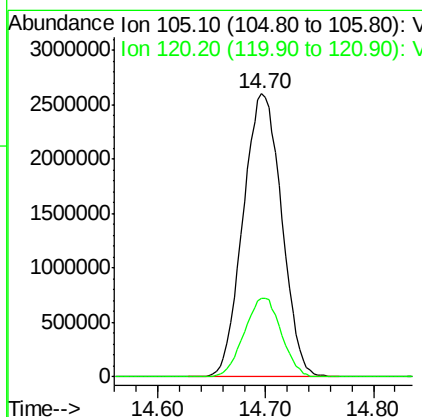
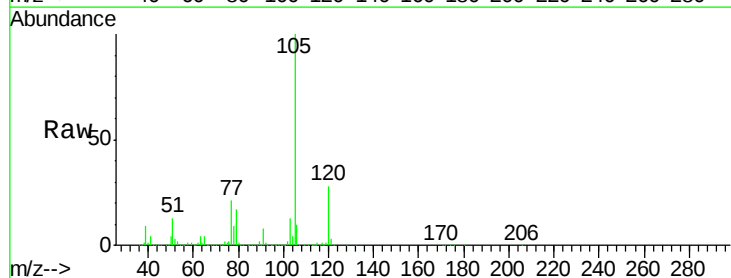
Manual Integrations
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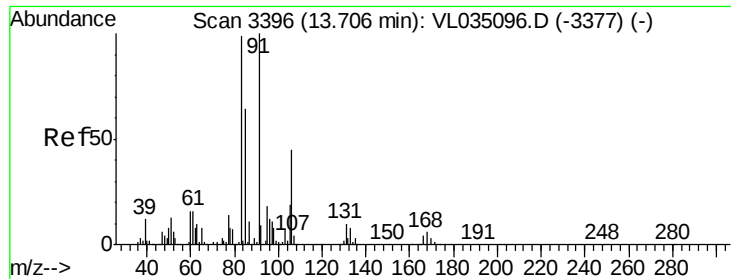
MMDadoda
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#62
Isopropylbenzene
Concen: 12.574 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	20.8	31.2





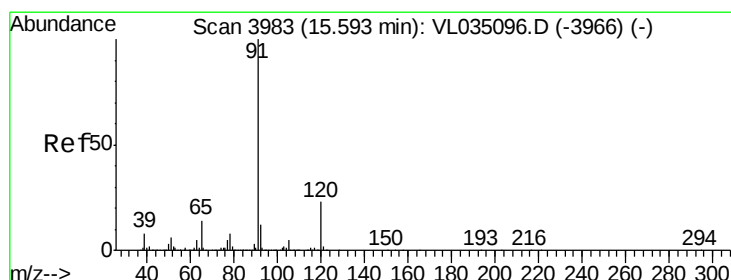
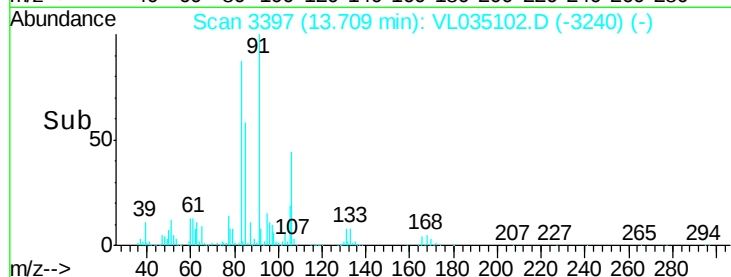
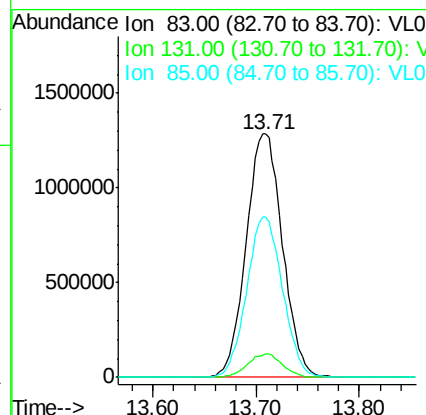
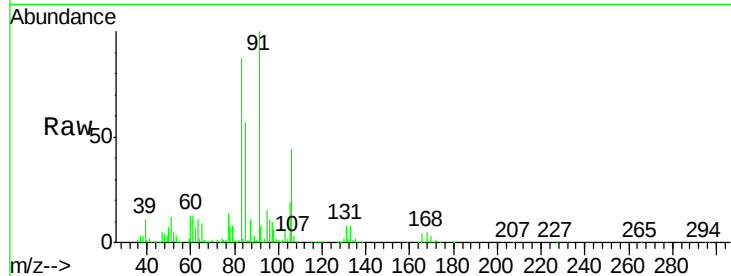
#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.506 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 83 Resp: 3139684
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.7 14.0
 85 65.1 32.4 97.0

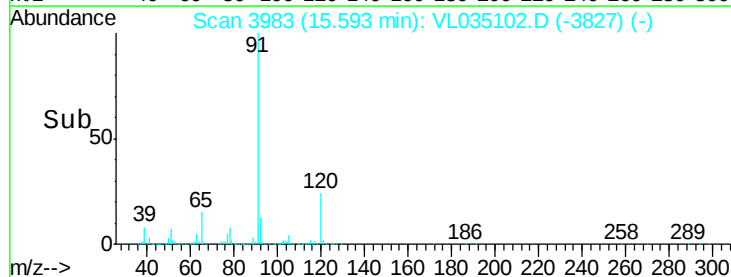
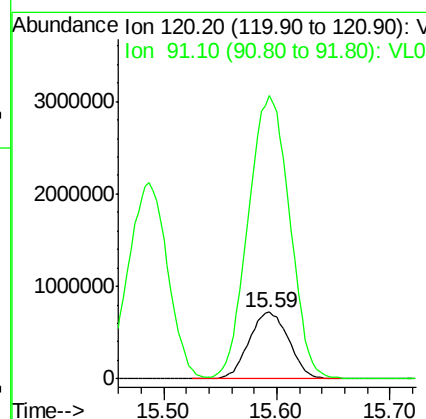
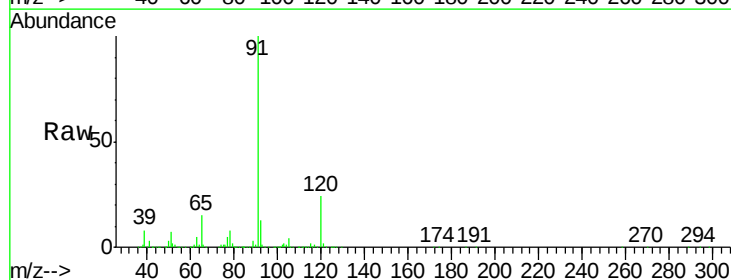
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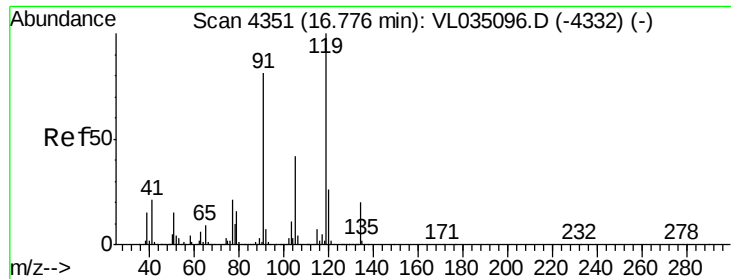
MMDadoda
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#64
 n-propylbenzene
 Concen: 13.327 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Tgt Ion:120 Resp: 1762000
 Ion Ratio Lower Upper
 120 100
 91 443.3 367.9 551.9





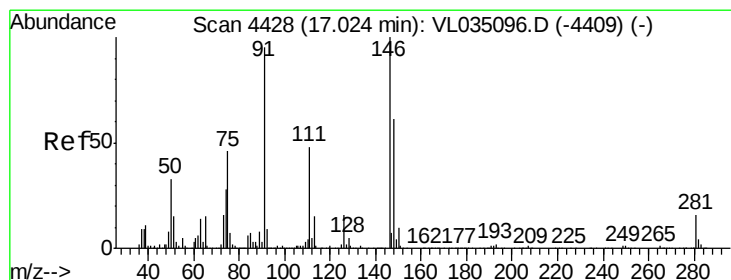
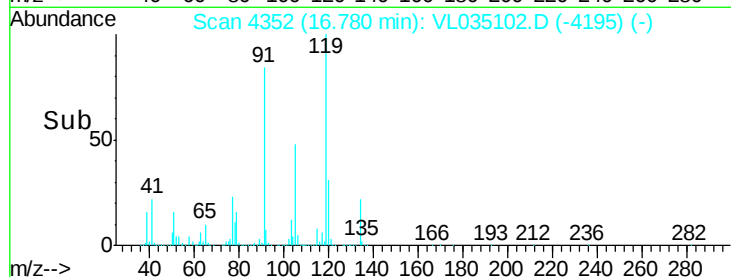
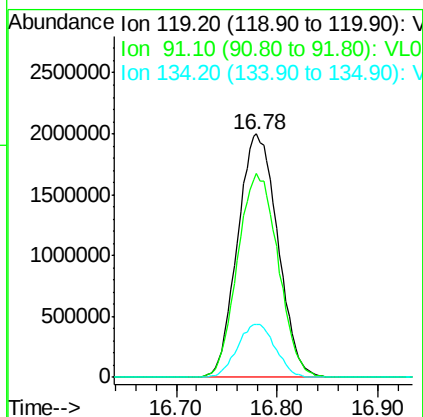
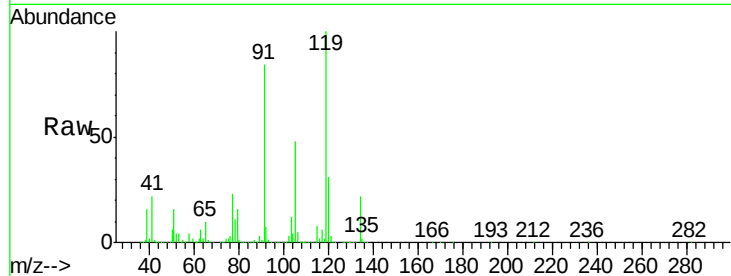
#65
tert-Butylbenzene
Concen: 12.345 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion:119 Resp: 5522284
Ion Ratio Lower Upper
119 100
91 84.6 67.6 101.4
134 20.5 15.7 23.5

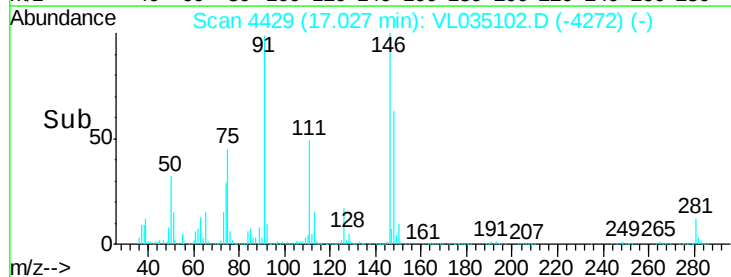
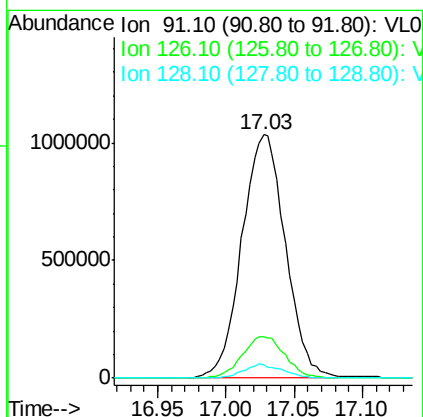
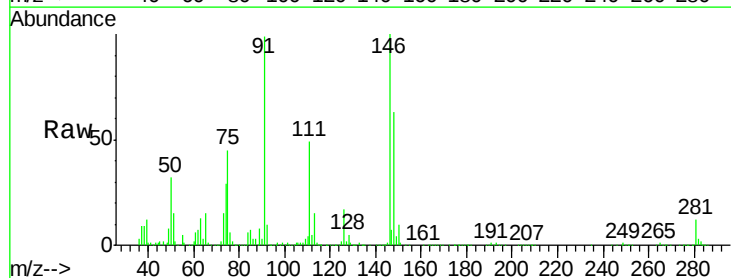
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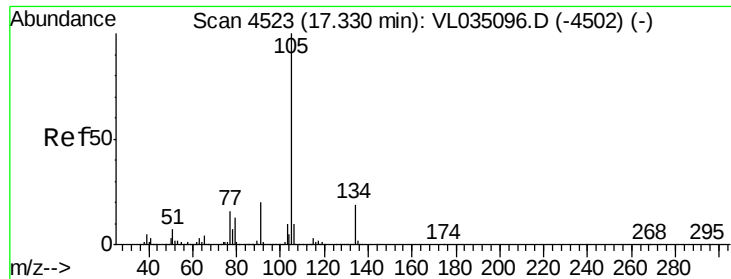
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#66
Benzyl Chloride
Concen: 15.341 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion: 91 Resp: 2275282
Ion Ratio Lower Upper
91 100
126 17.0 13.5 20.3
128 5.2 4.3 6.5





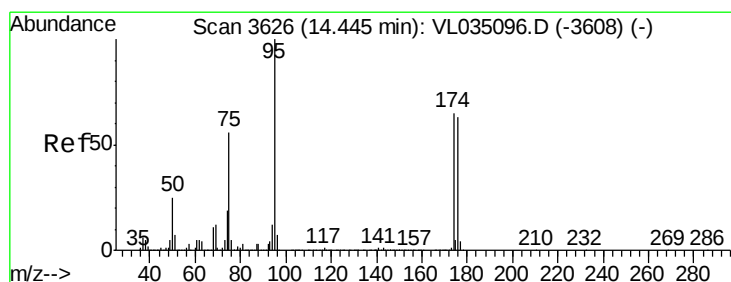
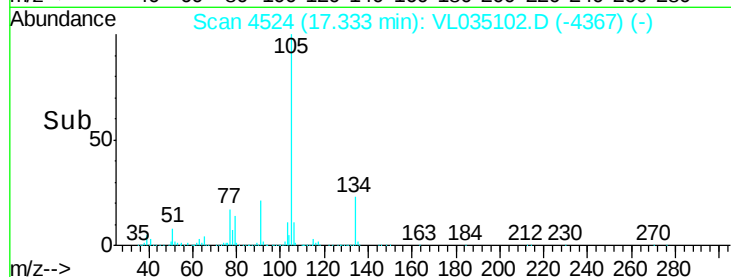
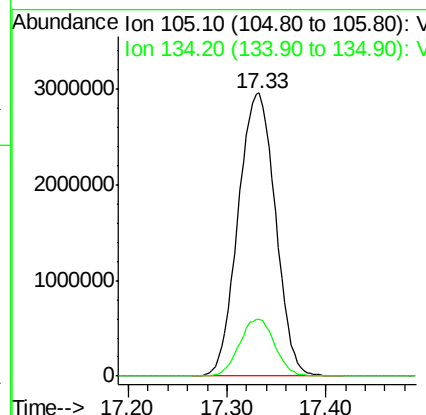
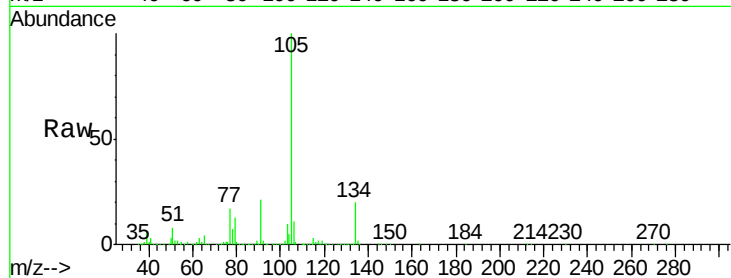
#67
 sec-Butylbenzene
 Concen: 12.152 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 105 Resp: 7746971
 Ion Ratio Lower Upper
 105 100
 134 19.2 14.7 22.1

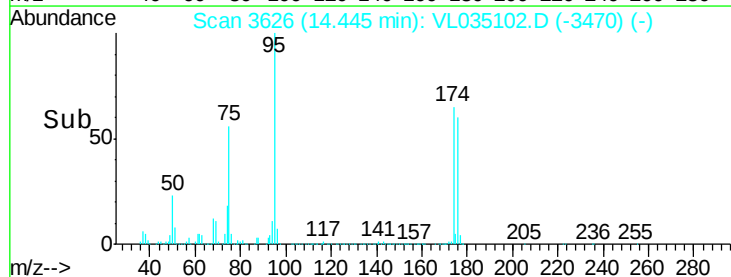
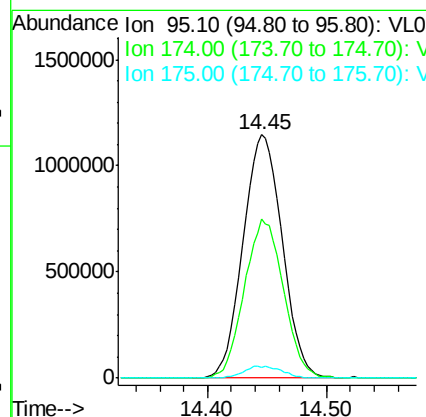
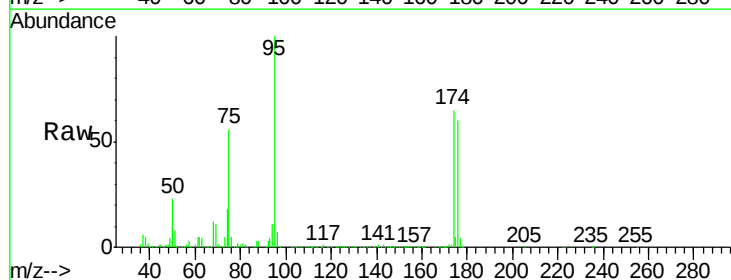
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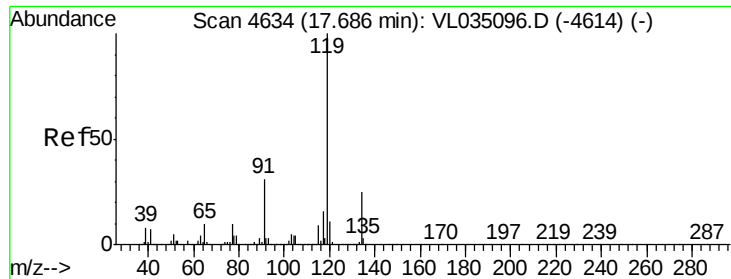
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.955 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Tgt Ion: 95 Resp: 2613562
 Ion Ratio Lower Upper
 95 100
 174 65.1 52.2 78.2
 175 4.9 4.0 6.0





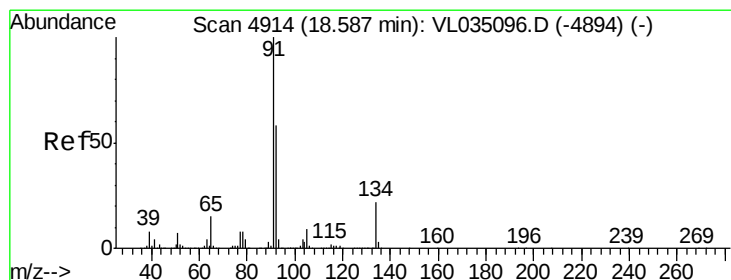
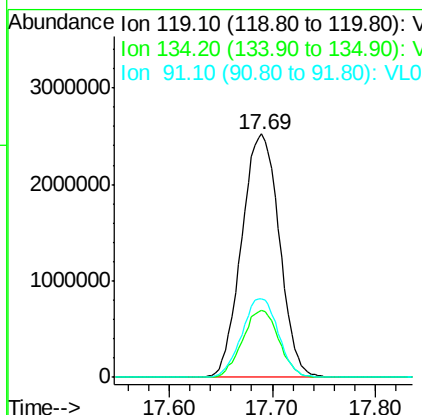
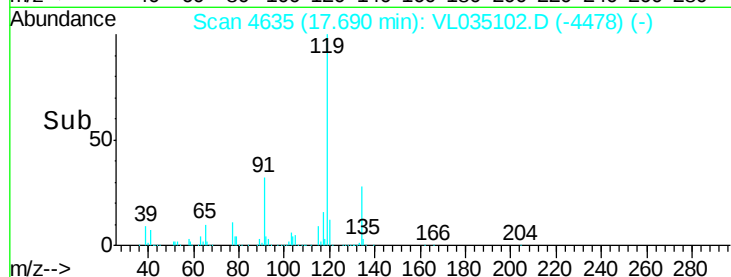
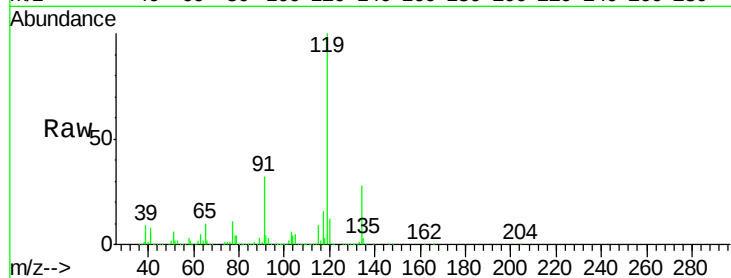
#69
p-Isopropyltoluene
Concen: 12.409 ppbv
RT: 17.69 min Scan# 4635
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	20.4	30.6
91	31.6	24.5	36.7

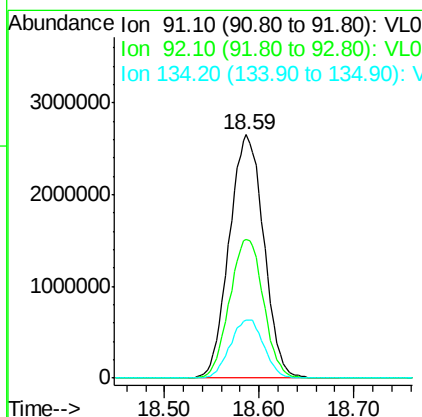
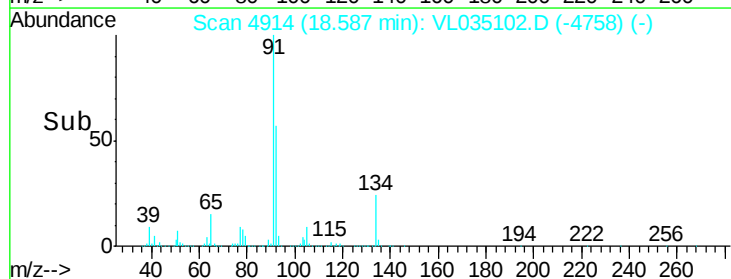
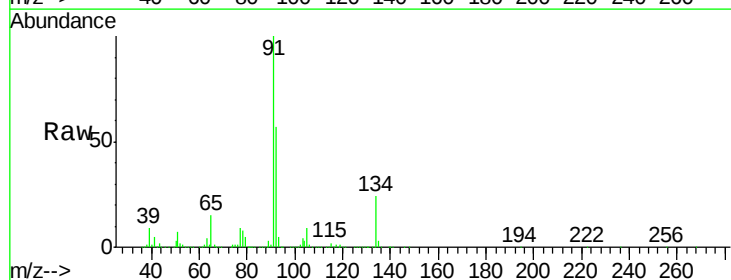
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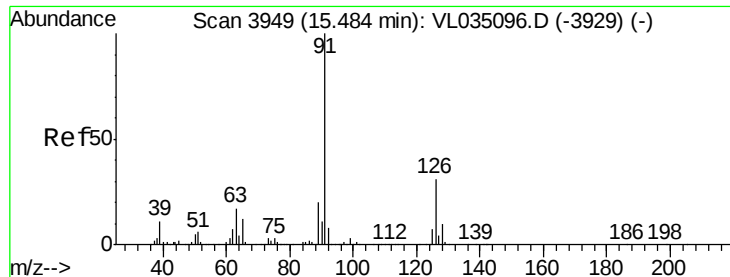
MMDadoda
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#70
n-Butylbenzene
Concen: 12.240 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.1	44.4	66.6
134	23.4	18.0	27.0





#71

2-Chlorotoluene

Concen: 13.118 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 5098768

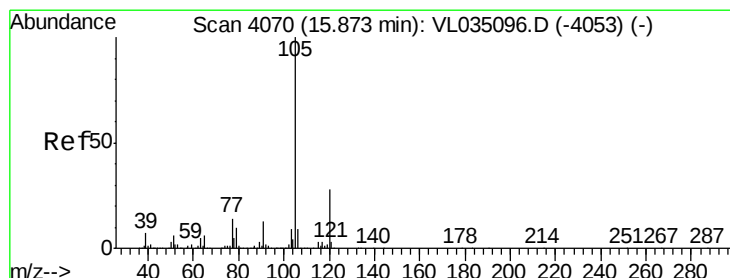
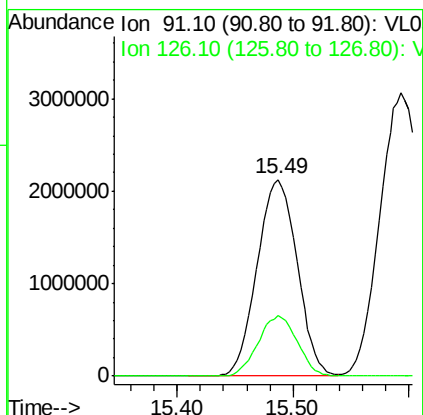
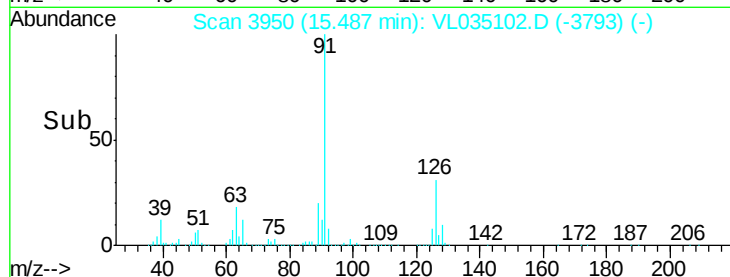
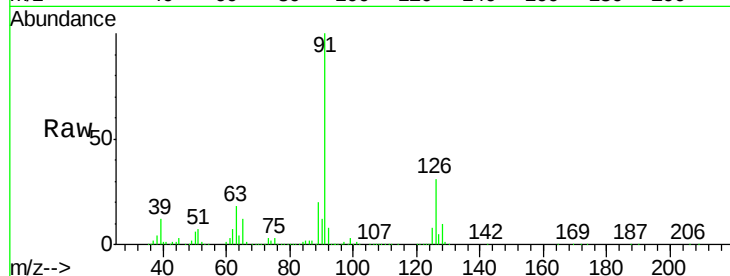
Ion Ratio Lower Upper

91 100

126 30.2 12.0 48.0

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#72

4-Ethyltoluene

Concen: 13.570 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Tgt Ion: 105 Resp: 5230103

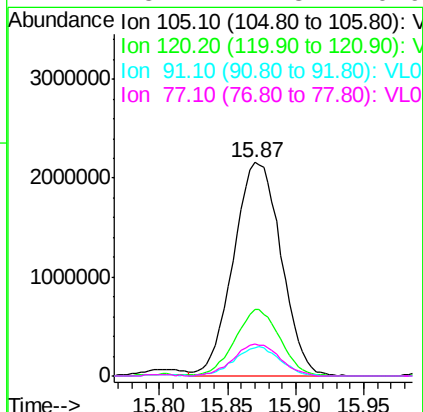
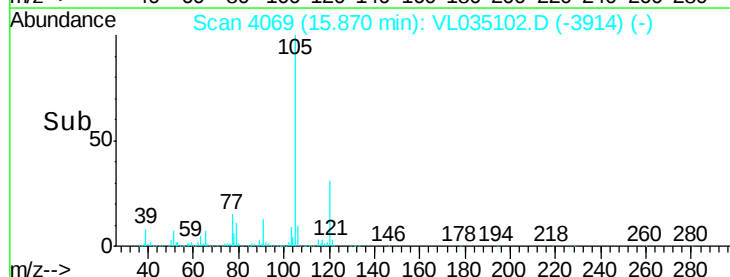
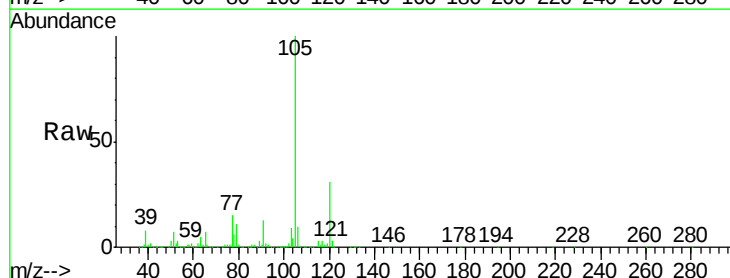
Ion Ratio Lower Upper

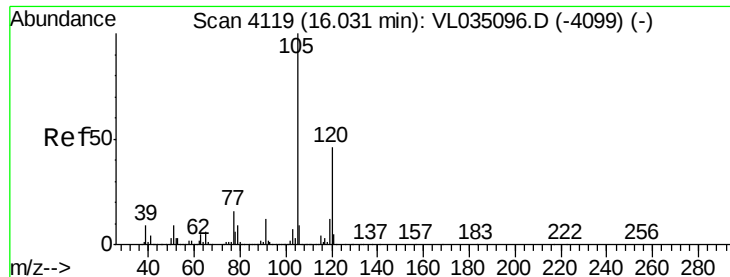
105 100

120 29.5 23.4 35.0

91 13.1 10.6 16.0

77 15.1 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 12.849 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 4803055

Ion Ratio Lower Upper

105 100

120 48.1

37.0

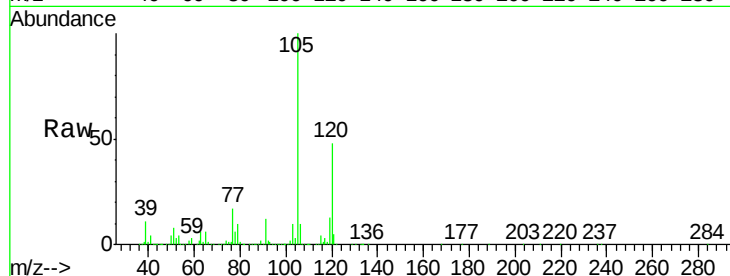
55.6

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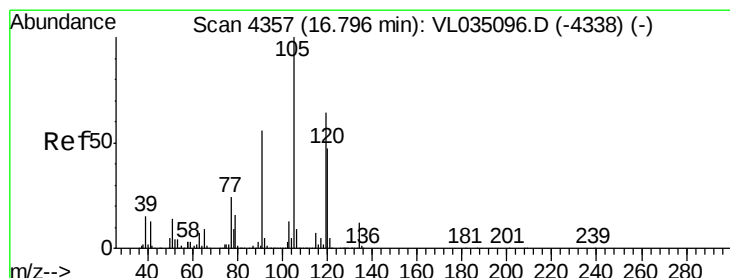
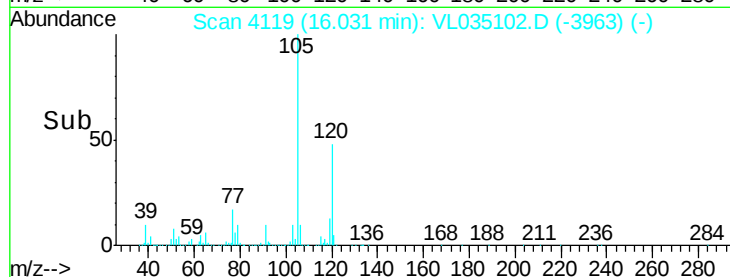
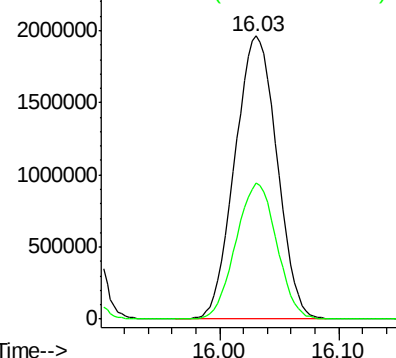
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 11.870 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Tgt Ion:105 Resp: 4844134

Ion Ratio Lower Upper

105 100

120 49.5

37.9

56.9

91 53.6

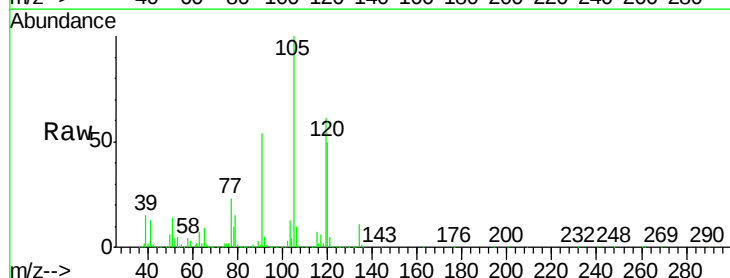
46.0

69.0

77 22.6

19.4

29.2

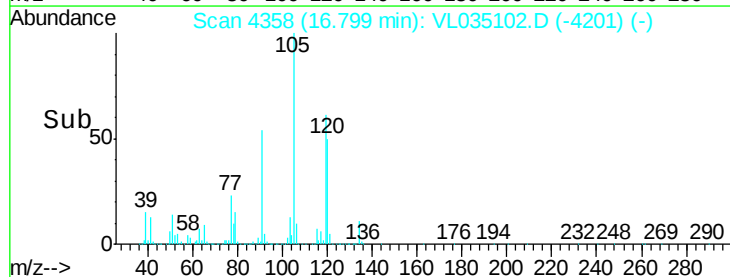
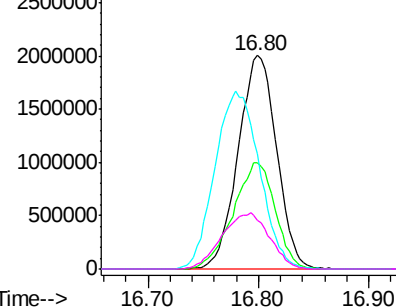


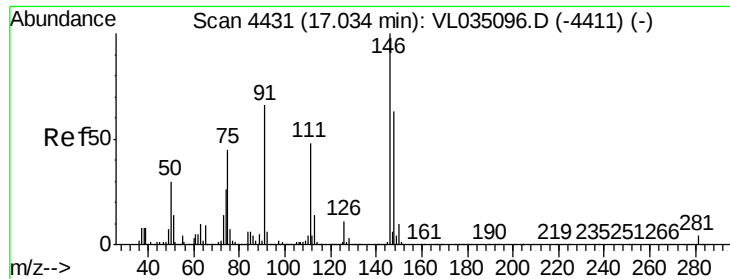
Abundance Ion 105.10 (104.80 to 105.80): V

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





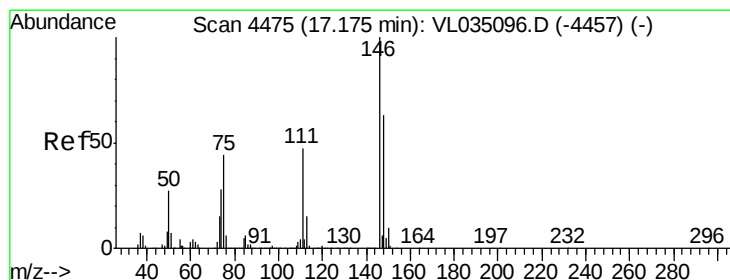
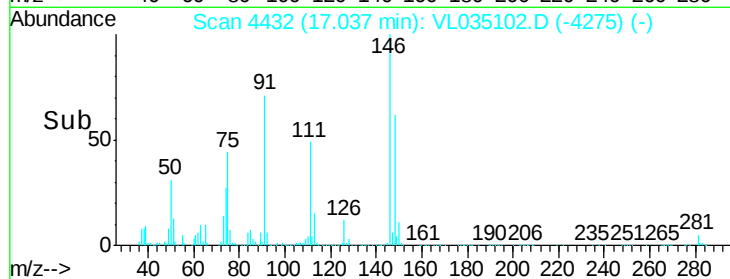
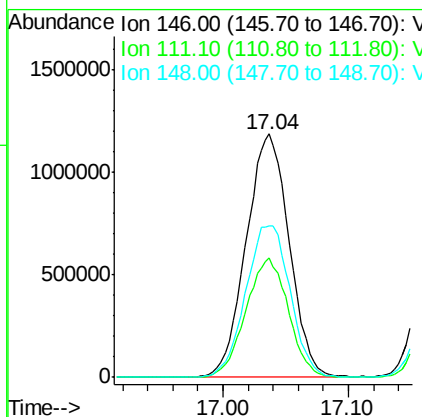
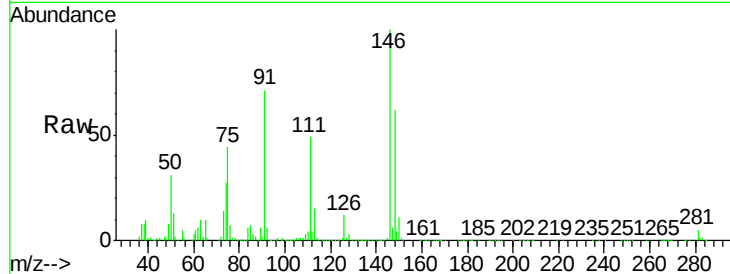
#75
1,3-Dichlorobenzene
Concen: 11.721 ppbv
RT: 17.04 min Scan# 4432
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:146 Resp: 2819856
Ion Ratio Lower Upper
146 100
111 48.7 24.1 72.4
148 64.7 32.3 96.8

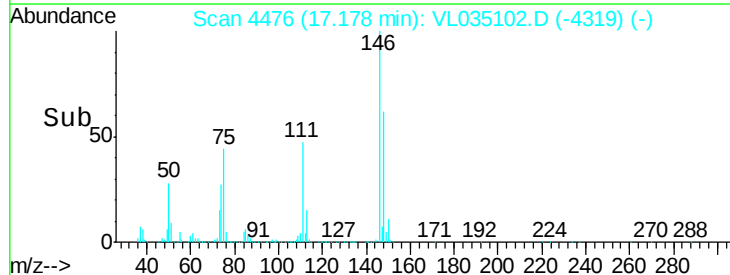
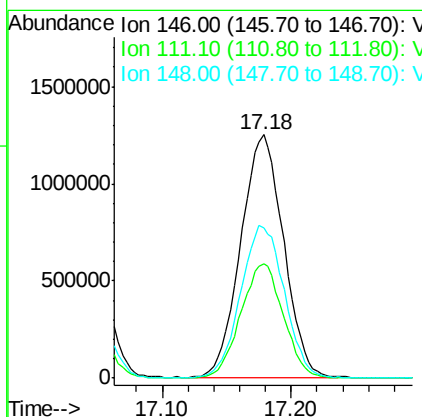
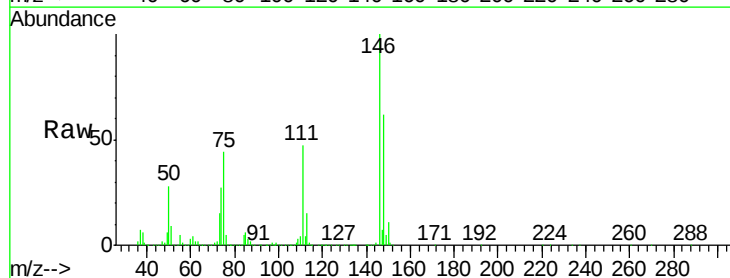
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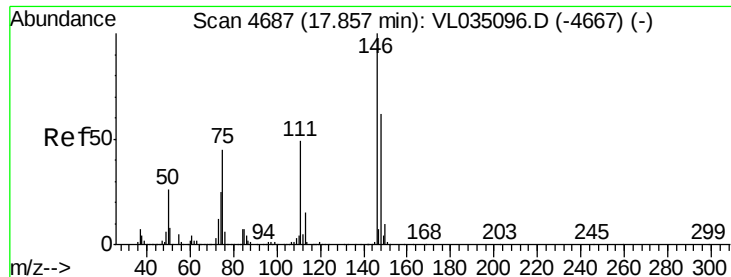
MMDadoda
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#76
1,4-Dichlorobenzene
Concen: 12.643 ppbv
RT: 17.18 min Scan# 4476
Delta R.T. 0.00 min
Lab File: VL035102.D
Acq: 19 Jun 2020 19:46

Tgt Ion:146 Resp: 2886425
Ion Ratio Lower Upper
146 100
111 46.9 23.5 70.5
148 64.4 32.0 96.2





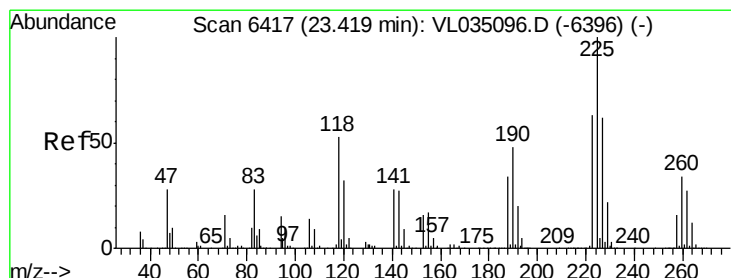
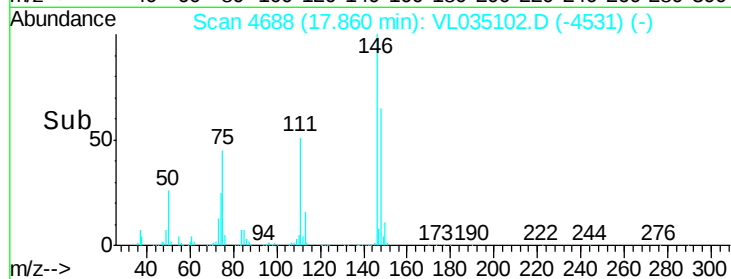
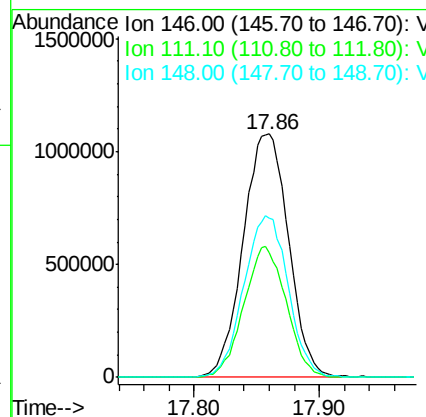
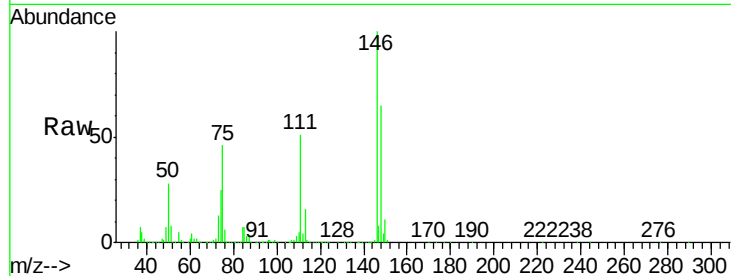
#77
 1,2-Dichlorobenzene
 Concen: 11.982 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.6	25.0	75.0
148	65.3	32.3	96.8

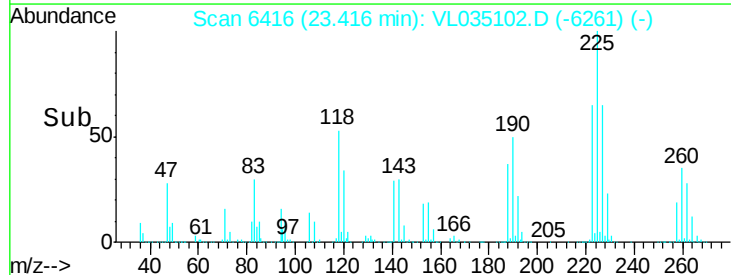
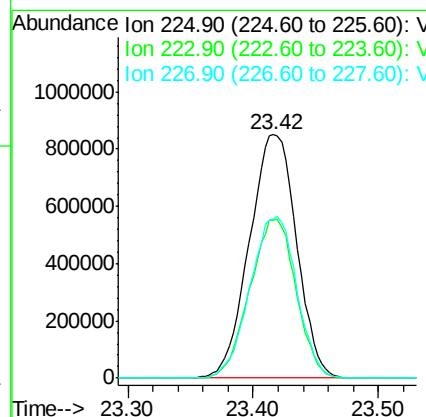
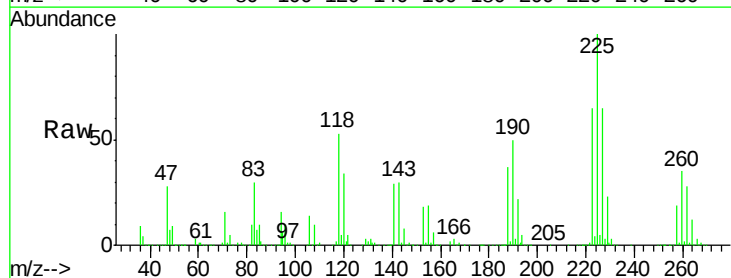
Manual Integrations
 APPROVED

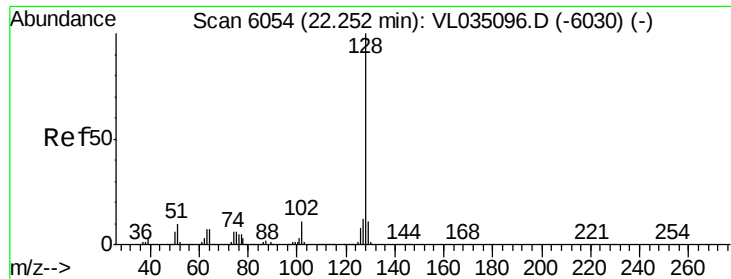
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 11.536 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.4	77.0
227	65.5	51.8	77.8





#79

Naphthalene

Concen: 15.819 ppbv m

RT: 22.26 min Scan# 6055

Delta R.T. 0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:128 Resp: 4981059

Ion Ratio Lower Upper

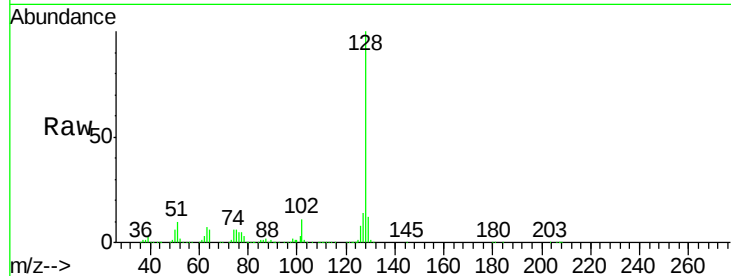
128 100

127 13.5 9.9 14.9

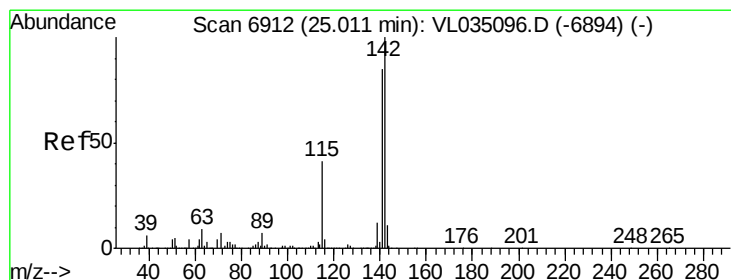
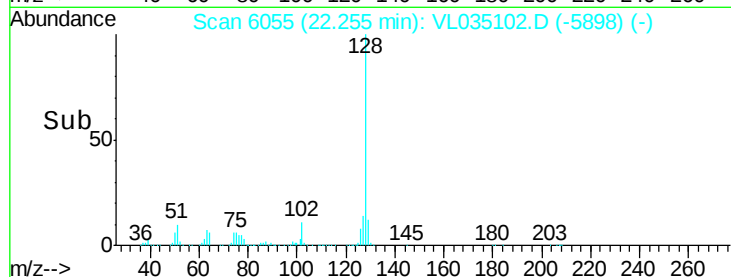
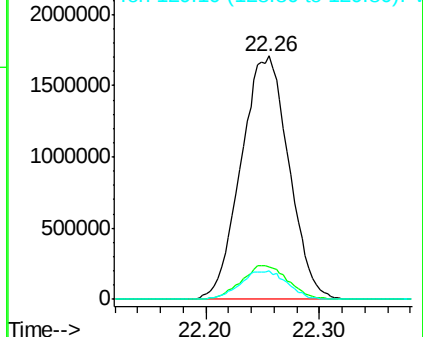
129 11.8 9.0 13.4

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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 31.933 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.00 min

Lab File: VL035102.D

Acq: 19 Jun 2020 19:46

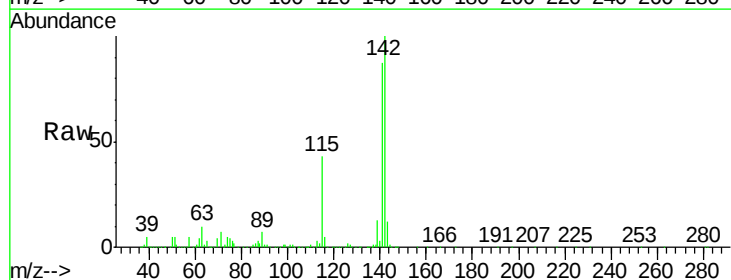
Tgt Ion:142 Resp: 2532465

Ion Ratio Lower Upper

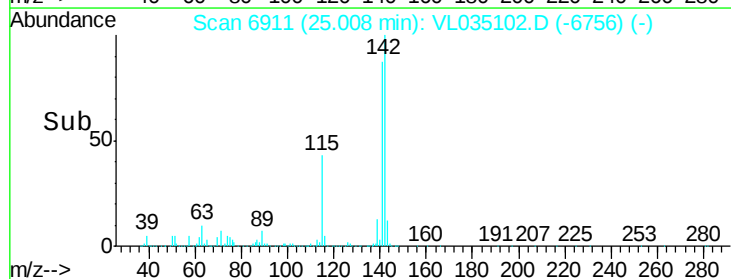
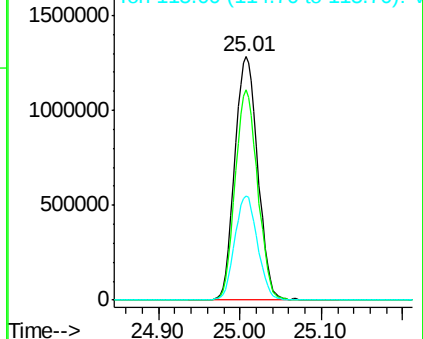
142 100

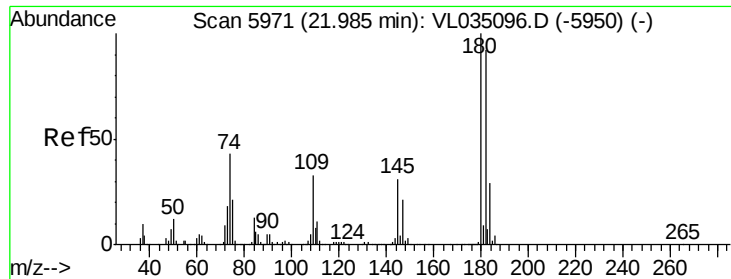
141 84.5 67.5 101.3

115 42.4 33.8 50.8



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 13.783 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL035102.D
 Acq: 19 Jun 2020 19:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.9	116.9
184	31.6	24.6	37.0

Manual Integrations
 APPROVED

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