

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035112.D
 Acq On : 22 Jun 2020 15:54
 Operator : SY/AP
 Sample : VL0622ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0622ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:24 AM

Quant Time: Jun 23 01:37:10 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	5.66	49	1267784	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	2995437	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.12	117	3144938	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2413732	9.24	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1390558	8.123 ppbv	99
3) Chlorodifluoromethane	2.95	51	1324508	9.458 ppbv	99
4) Chloromethane	3.11	50	765355	9.749 ppbv	100
5) Vinyl Chloride	3.22	62	760327	10.184 ppbv	97
6) Bromomethane	3.44	94	457451	9.867 ppbv	93
7) Chloroethane	3.52	64	286397	10.173 ppbv	96
8) Dichlorotetrafluoroethane	3.15	85	1723541	9.390 ppbv	99
9) Propene	2.97	41	564981	10.188 ppbv	98
10) Heptane	8.14	43	1553404	10.808 ppbv	98
11) Trichlorofluoromethane	3.92	101	1807255	9.882 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1281758	10.135 ppbv	100
13) Ethanol	3.57	45	162058	7.735 ppbv	99
14) Bromoethene	3.71	108	551359	10.114 ppbv	97
15) Acetone	3.82	43	1406111	9.174 ppbv	99
16) 1,3-Butadiene	3.29	39	691373	10.284 ppbv	98
17) tert-Butyl alcohol	4.27	59	1567038	11.536 ppbv	99
18) 1,1-Dichloroethene	4.27	96	588085	10.311 ppbv	96
19) Isopropyl Alcohol	3.94	45	1054622	10.596 ppbv	# 99
20) Methylene Chloride	4.32	84	525716	8.474 ppbv	95
21) Allyl Chloride	4.39	41	987142	10.836 ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	601963	11.281 ppbv	96
23) Vinyl Acetate	5.06	43	2037064	10.949 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1525082	9.723 ppbv	99
25) Ethyl Acetate	5.67	43	2684856	9.706 ppbv	99
26) Hexane	5.68	57	1206082	9.671 ppbv	98
27) Carbon Disulfide	4.53	76	1751364	13.569 ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1872574	10.686 ppbv	100
29) Chloroform	5.75	83	1858348	9.522 ppbv	100
30) Cyclohexane	7.14	84	995282	11.119 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1208137	10.509 ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1815801	10.031 ppbv	99
34) 2-Butanone	5.24	43	1739755	10.114 ppbv	99
35) Carbon Tetrachloride	7.03	117	1881607	10.473 ppbv	97
36) Benzene	6.90	78	2365138	10.197 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1441305	9.832 ppbv	100
38) Trichloroethene	7.85	130	917359	10.182 ppbv	99
39) 1,2-Dichloropropane	7.63	63	937740	10.337 ppbv	98
40) 1,4-Dioxane	7.85	88	357839	10.000 ppbv	# 94
41) Tetrahydrofuran	6.05	42	965551	10.990 ppbv	100
42) Bromodichloromethane	7.81	83	2039124	10.740 ppbv	100
43) Methyl Methacrylate	8.03	69	1095715	11.160 ppbv	99

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 ClientSampleId :
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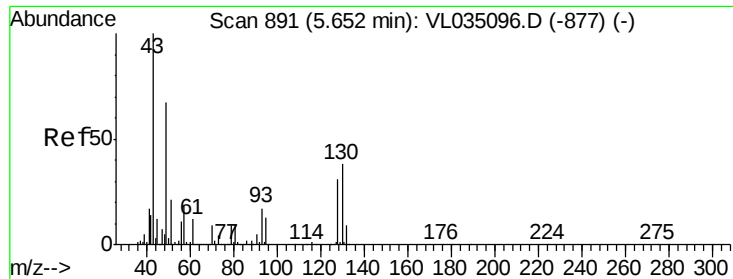
Manual Integrations
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Quant Time: Jun 23 01:37:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4044596	9.991	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1258629	13.173	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1456556	12.271	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	998101	10.081	ppbv	99
48) Dibromochloromethane	10.34	129	1714259	11.614	ppbv	98
49) Bromoform	13.09	173	1466509	11.695	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2588132	10.590	ppbv	100
51) 2-Hexanone	10.16	43	2132146	11.140	ppbv #	100
52) Tetrachloroethene	11.26	164	850635	10.408	ppbv	95
53) Toluene	9.83	91	2775731	11.219	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1524263	10.397	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1263923	9.820	ppbv #	61
57) Chlorobenzene	12.19	112	2093688	9.047	ppbv	97
58) Ethyl Benzene	12.75	91	3711397	10.503	ppbv	97
59) m/p-Xylene	13.03	91	6138927m	19.604	ppbv	
60) o-Xylene	13.73	91	3000623	9.625	ppbv	100
61) Styrene	13.57	104	2183527	11.130	ppbv	99
62) Isopropylbenzene	14.71	105	4435168	9.533	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2113224	8.369	ppbv	100
64) n-propylbenzene	15.61	120	1173132	9.881	ppbv	99
65) tert-Butylbenzene	16.80	119	3822936	9.596	ppbv	100
66) Benzyl Chloride	17.04	91	1633957	13.278	ppbv	99
67) sec-Butylbenzene	17.34	105	5425185	9.502	ppbv	100
69) p-Isopropyltoluene	17.70	119	4484510	9.847	ppbv	100
70) n-Butylbenzene	18.60	91	4623977	9.425	ppbv	99
71) 2-Chlorotoluene	15.50	91	3416176	9.715	ppbv	100
72) 4-Ethyltoluene	15.89	105	3489368	10.061	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	3253199	9.923	ppbv	100
74) 1,2,4-Trimethylbenzene	16.82	105	3354523	9.168	ppbv #	91
75) 1,3-Dichlorobenzene	17.05	146	1925179	8.817	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1917839	9.181	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1808211	9.050	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1467310	8.170	ppbv	98
79) Naphthalene	22.27	128	3269706	10.193	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	1563850	12.750	ppbv	100
81) 1,2,4-Trichlorobenzene	22.00	180	1761951m	9.521	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL035112.D

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ClientSampleId :

VL0622ABS01

Tot Ion: 49 Resp: 1267784

Ion Ratio Lower Upper

49 100

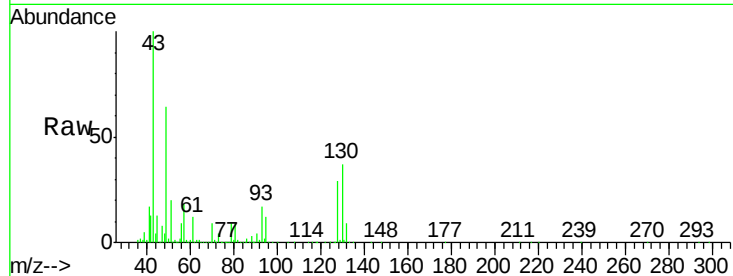
128 46.0 22.9 68.5

130 58.8 29.0 87.0

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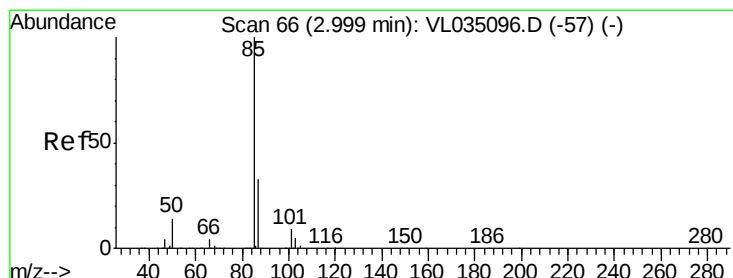
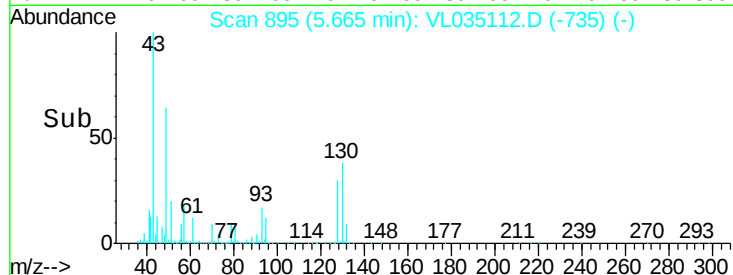
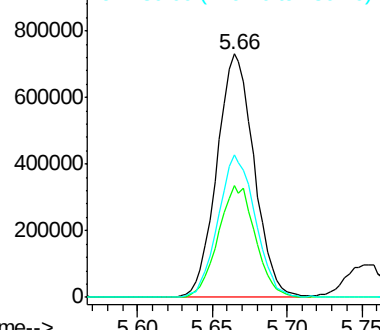
6/23/2020 10:59:24 AM



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: 8.123 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035112.D

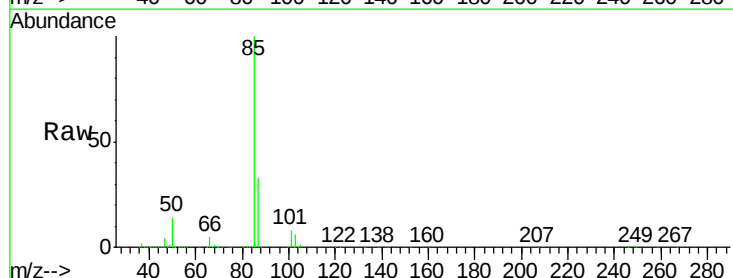
Acq: 22 Jun 2020 15:54

Tgt Ion: 85 Resp: 1390558

Ion Ratio Lower Upper

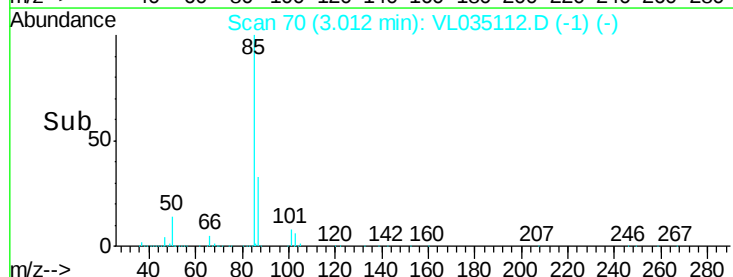
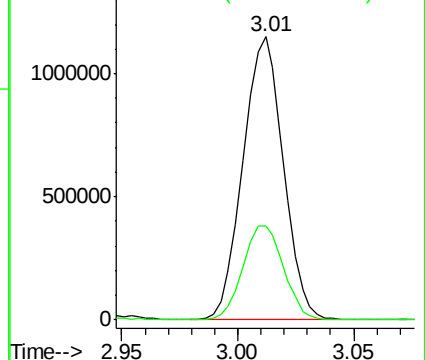
85 100

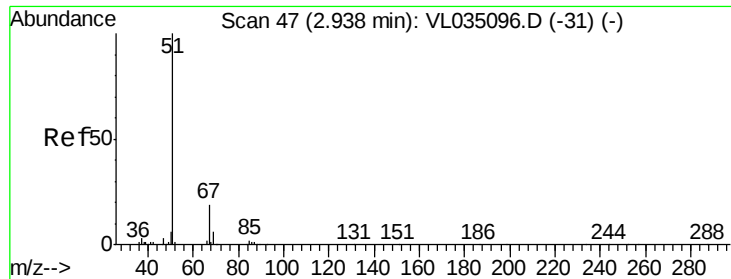
87 33.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.458 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Tot Ion: 51 Resp: 1324508

Ion Ratio Lower Upper

51 100

67 18.6 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

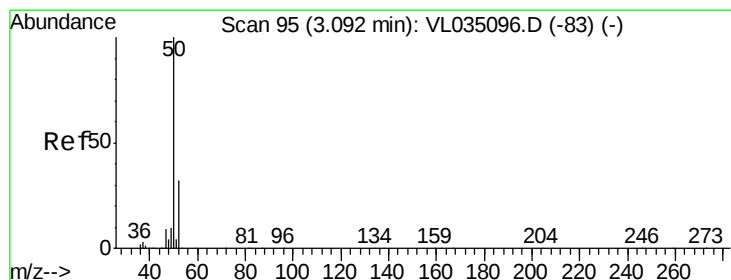
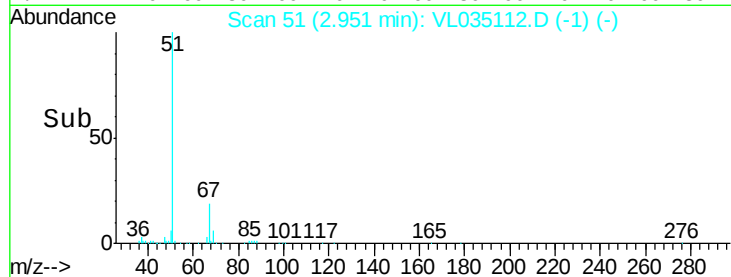
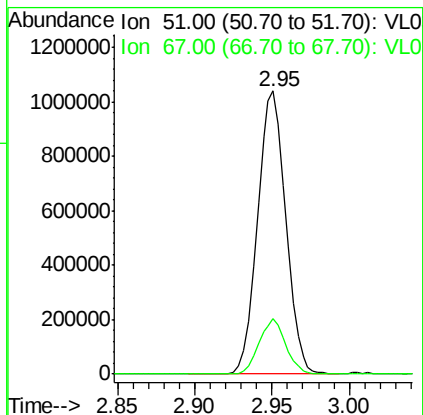
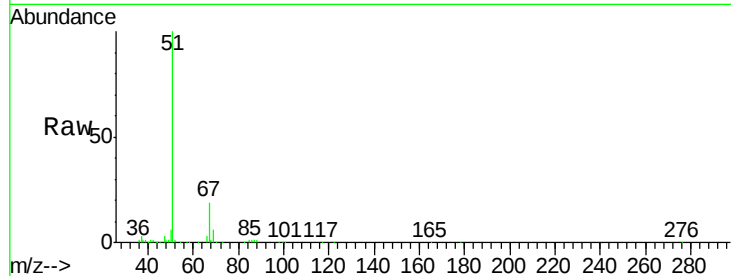
VL0622ABS01

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6/23/2020 10:59:24 AM



#4

Chloromethane

Concen: 9.749 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.01 min

Lab File: VL035112.D

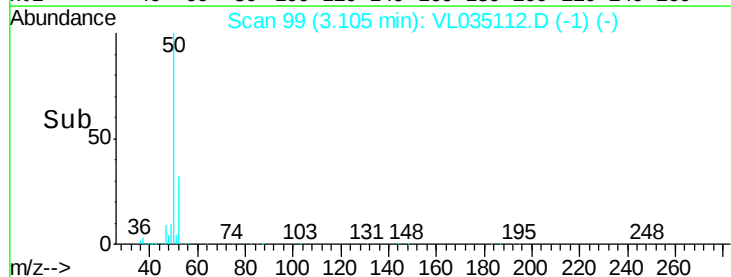
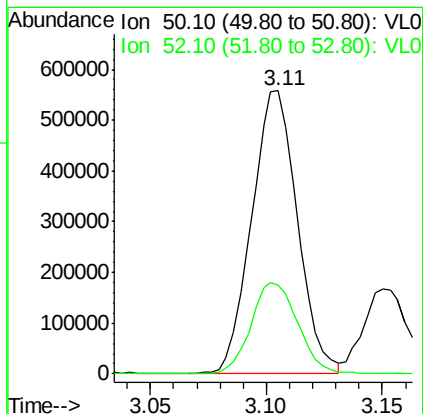
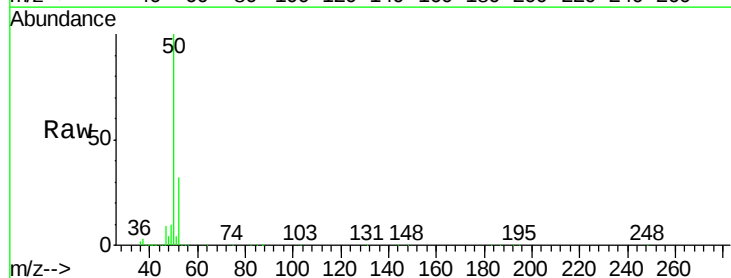
Acq: 22 Jun 2020 15:54

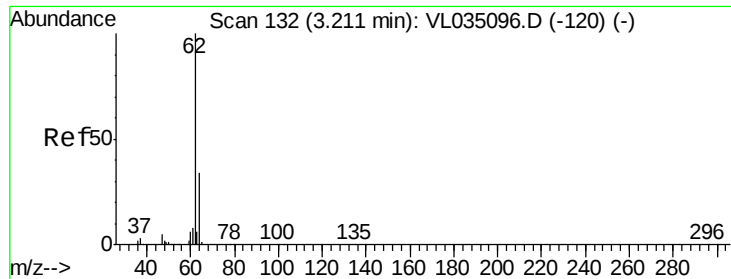
Tgt Ion: 50 Resp: 765355

Ion Ratio Lower Upper

50 100

52 31.6 25.4 38.0





#5

Vinyl Chloride

Concen: 10.184 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 62 Resp: 760327

Ion Ratio Lower Upper

62 100

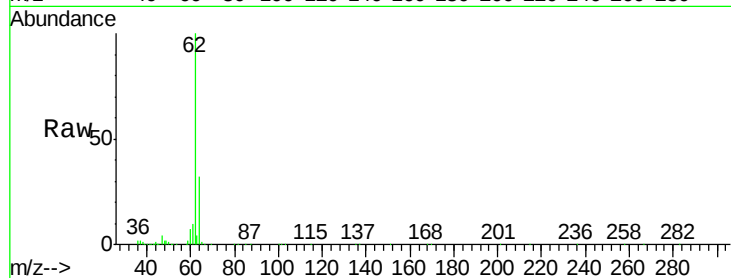
64 31.8 27.0 40.4

Manual Integrations

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6/23/2020 10:59:24 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

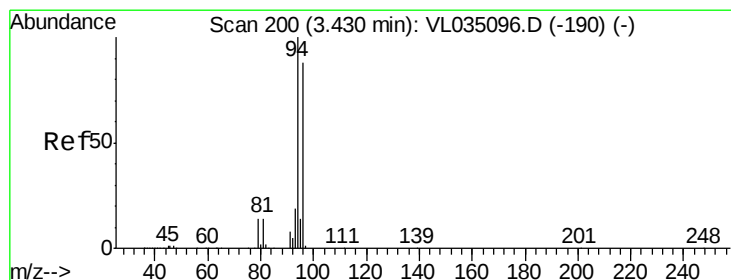
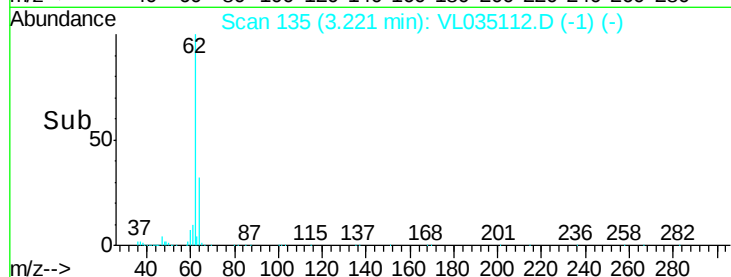
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.867 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.01 min

Lab File: VL035112.D

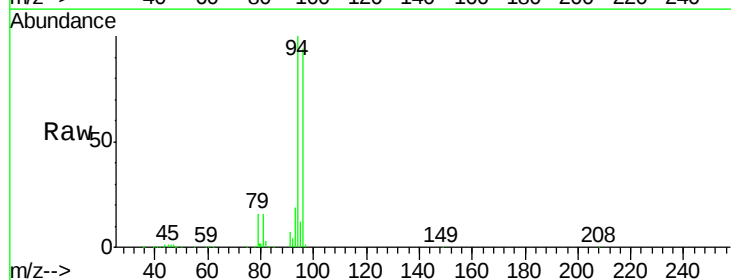
Acq: 22 Jun 2020 15:54

Tgt Ion: 94 Resp: 457451

Ion Ratio Lower Upper

94 100

96 93.8 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

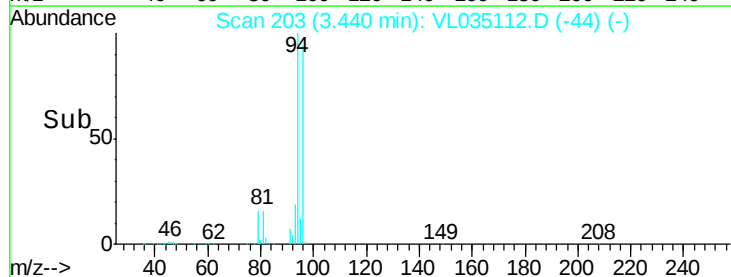
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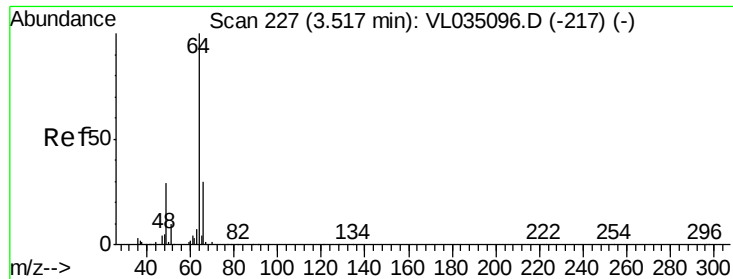
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.173 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 64 Resp: 286397

Ion Ratio Lower Upper

64 100

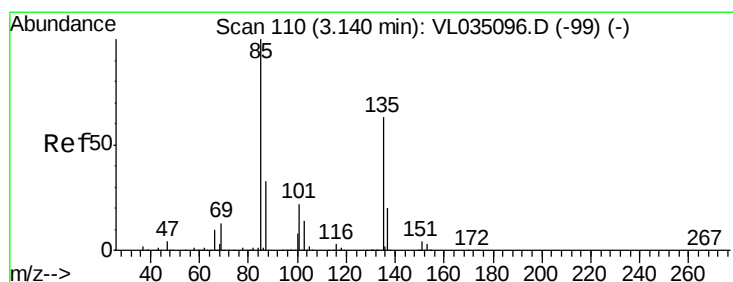
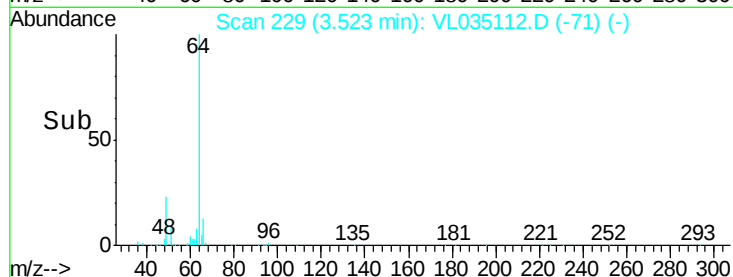
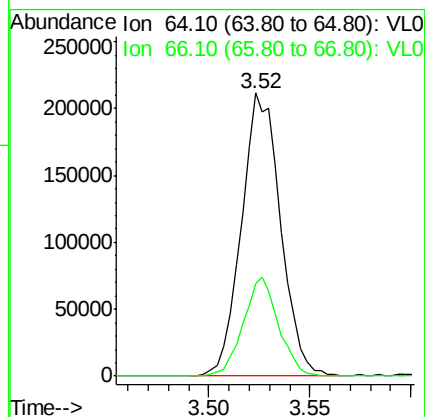
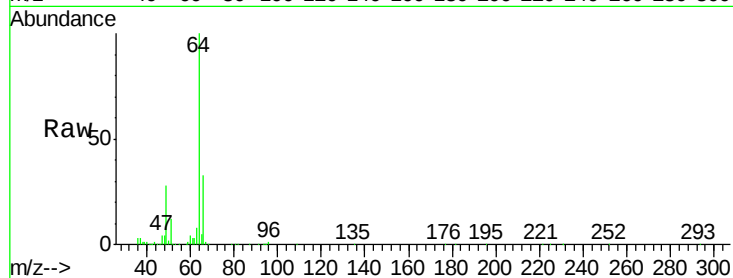
66 32.5 24.2 36.4

Manual Integrations

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6/23/2020 10:59:24 AM



#8

Dichlorotetrafluoroethane

Concen: 9.390 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL035112.D

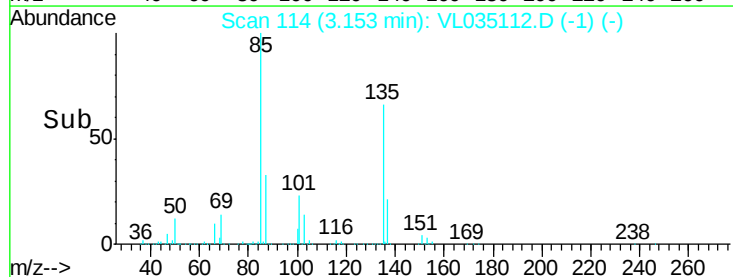
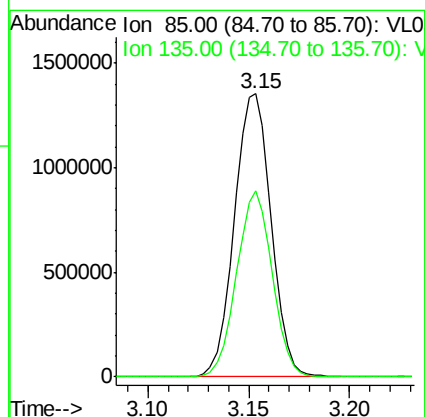
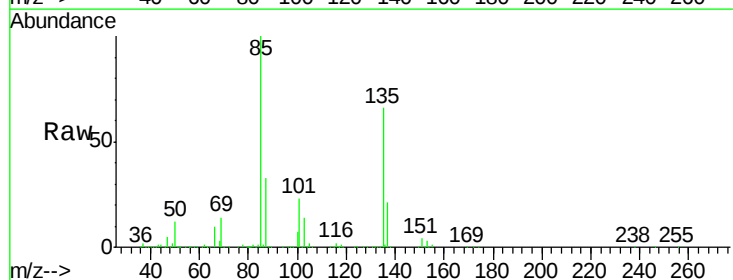
Acq: 22 Jun 2020 15:54

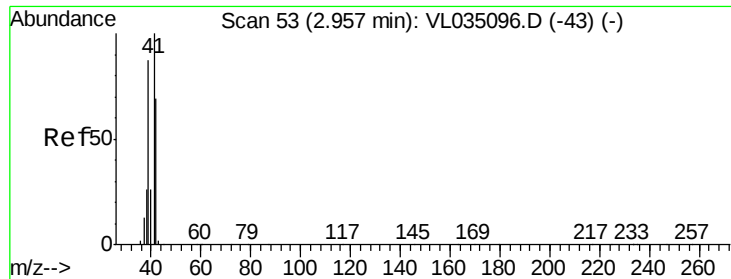
Tgt Ion: 85 Resp: 1723541

Ion Ratio Lower Upper

85 100

135 64.3 51.0 76.6





#9

Propene

Concen: 10.188 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

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ClientSampleId :

VL0622ABS01

Tot Ion: 41 Resp: 564981

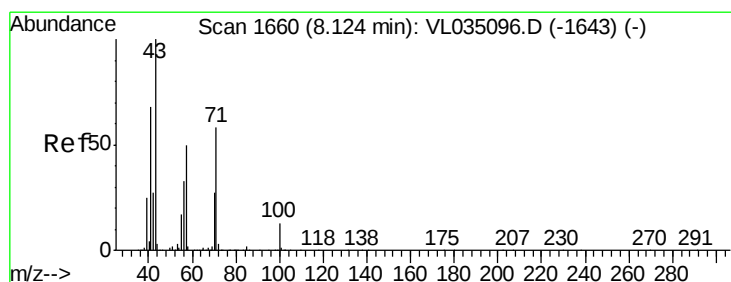
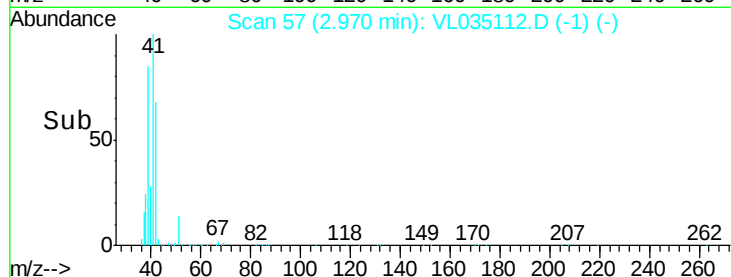
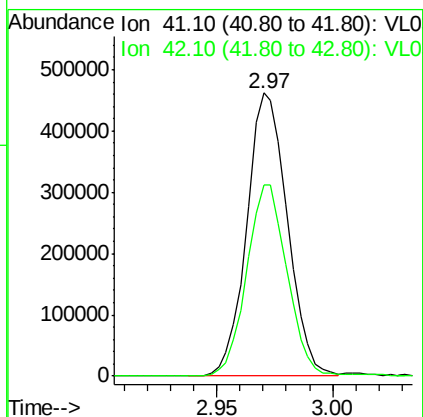
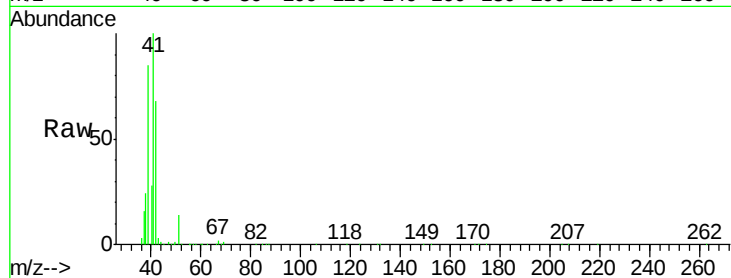
Ion Ratio Lower Upper

41 100

42 67.7 55.8 83.6

Manual Integrations
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6/23/2020 10:59:24 AM



#10

Heptane

Concen: 10.808 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL035112.D

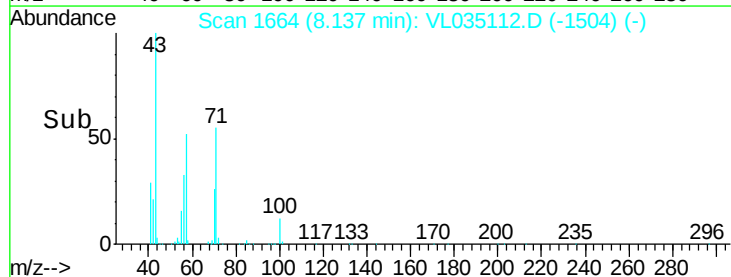
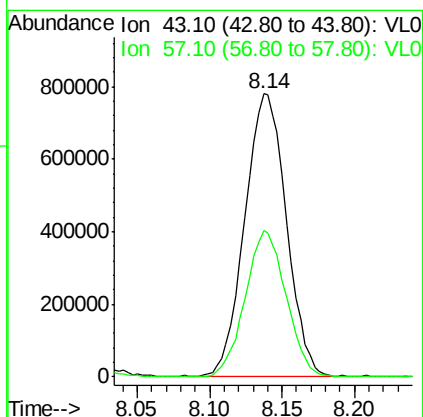
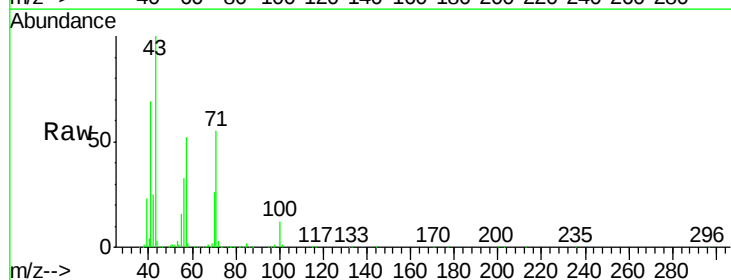
Acq: 22 Jun 2020 15:54

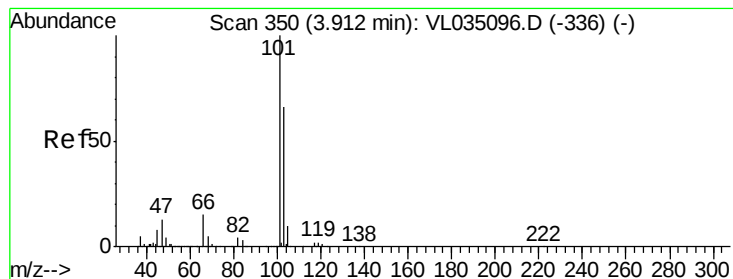
Tgt Ion: 43 Resp: 1553404

Ion Ratio Lower Upper

43 100

57 50.9 41.9 62.9





#11

Trichlorofluoromethane

Concen: 9.882 ppbv

RT: 3.92 min Scan# 353

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion:101 Resp: 1807255

Ion Ratio Lower Upper

101 100

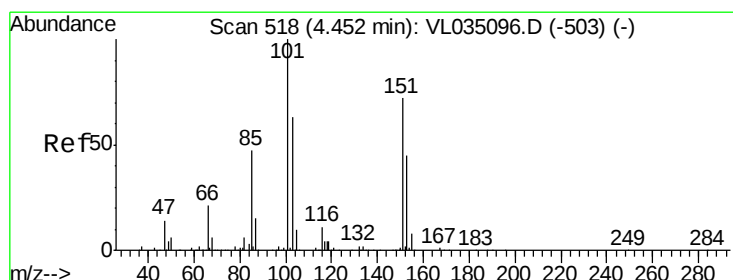
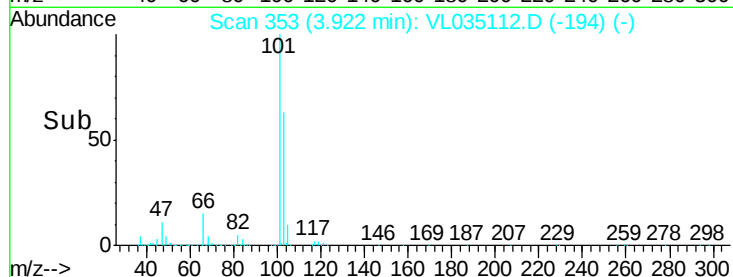
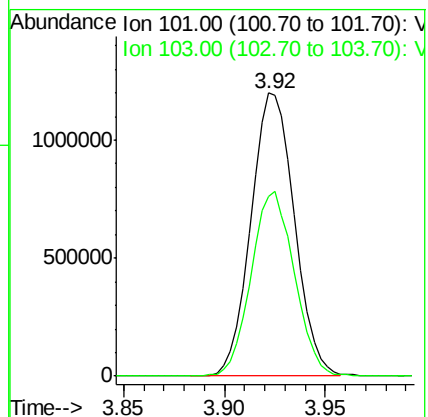
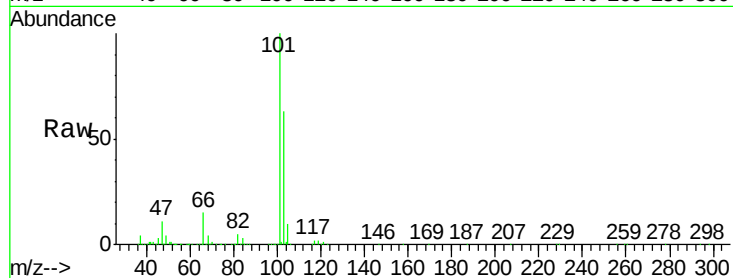
103 63.3 52.6 79.0

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.135 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.02 min

Lab File: VL035112.D

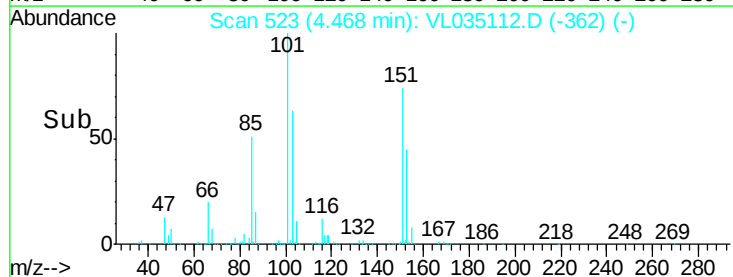
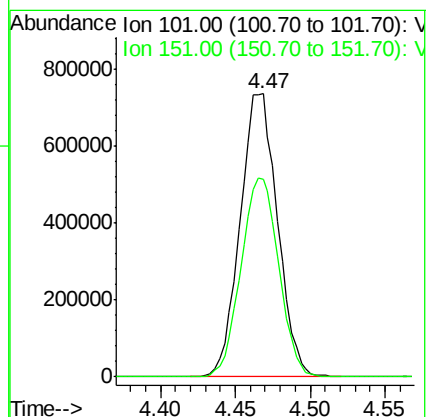
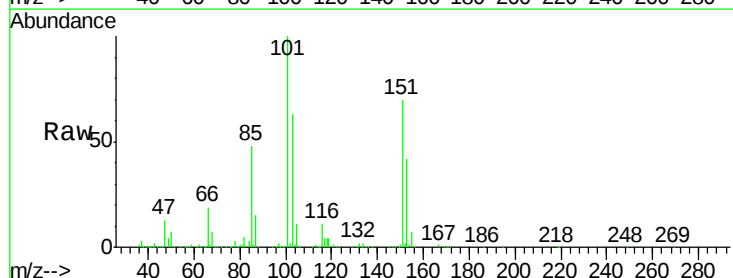
Acq: 22 Jun 2020 15:54

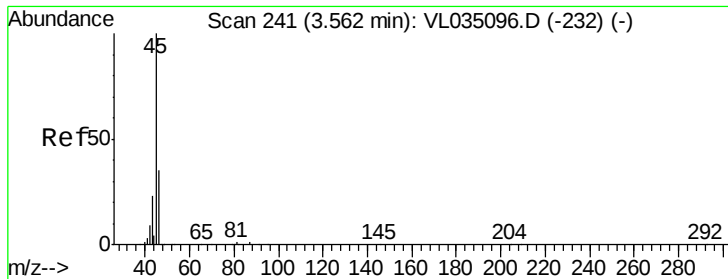
Tgt Ion:101 Resp: 1281758

Ion Ratio Lower Upper

101 100

151 71.0 56.6 85.0





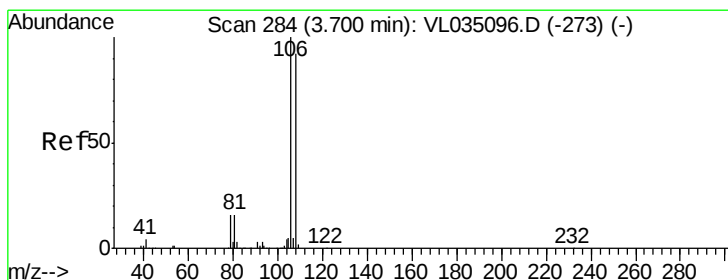
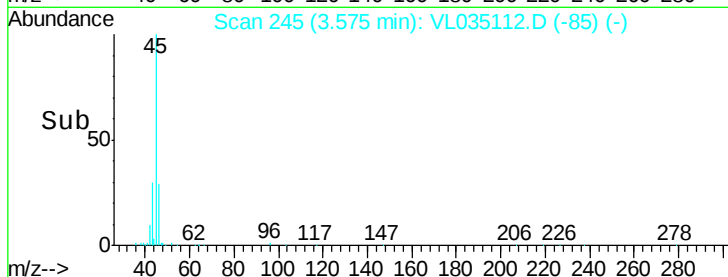
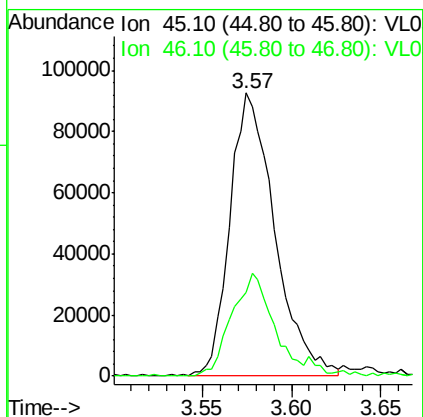
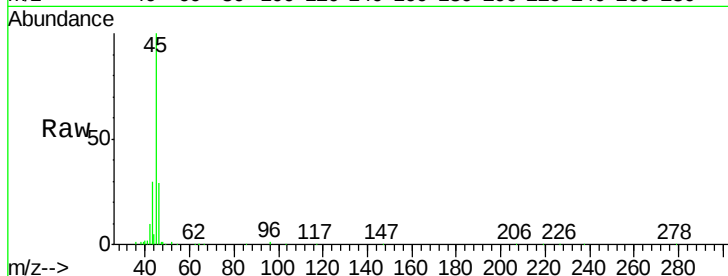
#13
Ethanol
Concen: 7.735 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.3	14.2	57.0

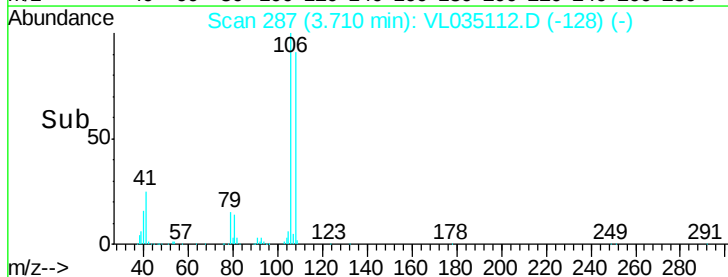
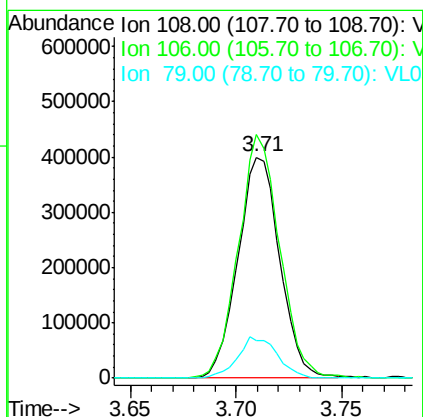
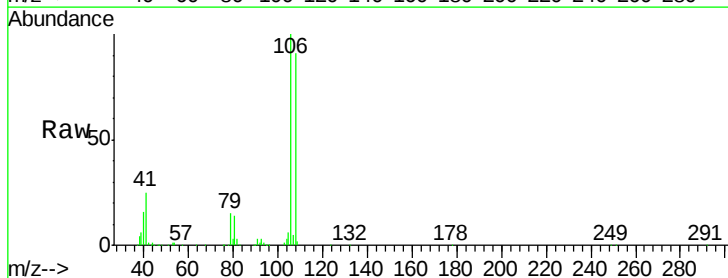
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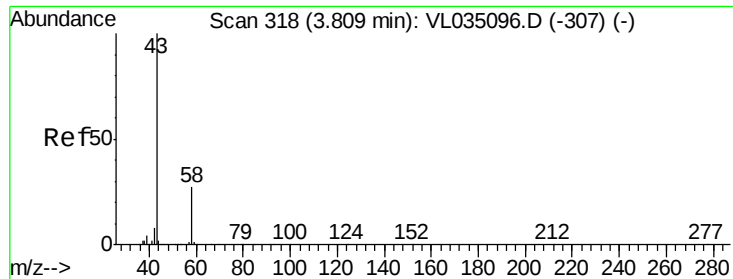
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#14
Bromoethene
Concen: 10.114 ppbv
RT: 3.71 min Scan# 287
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion	Ratio	Lower	Upper
108	100		
106	109.0	84.4	126.6
79	18.1	14.2	21.2





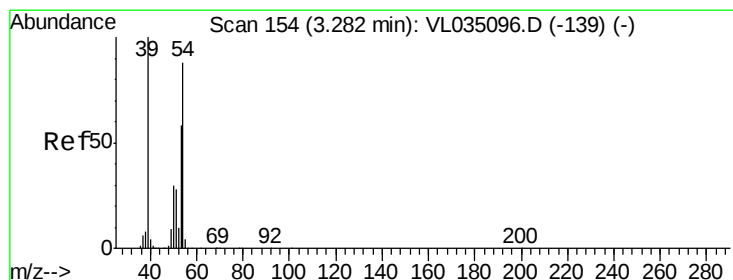
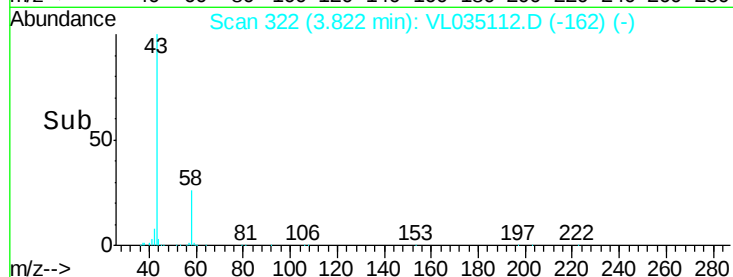
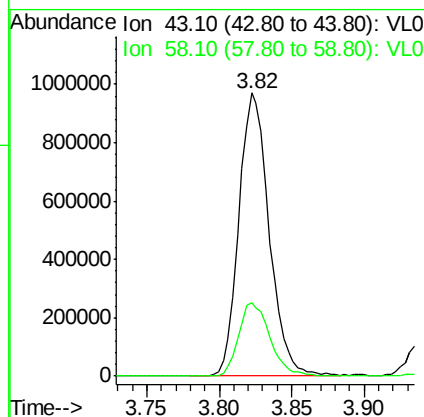
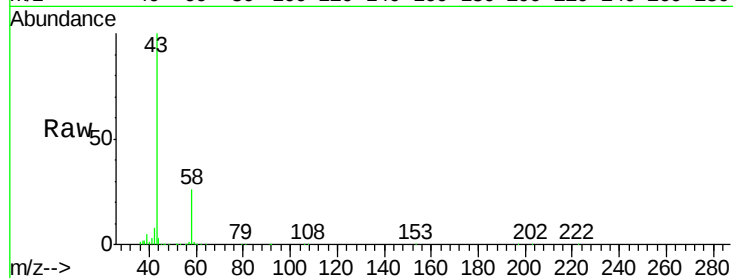
#15
Acetone
Concen: 9.174 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 43 Resp: 1406111
Ion Ratio Lower Upper
43 100
58 26.8 21.8 32.6

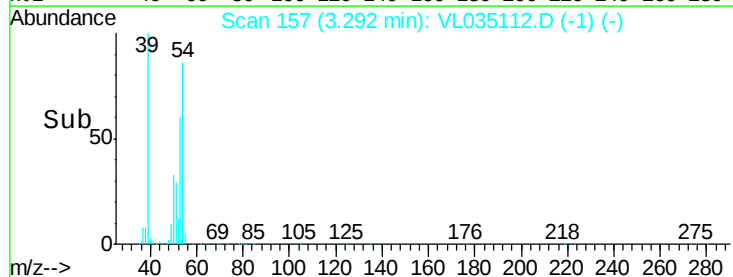
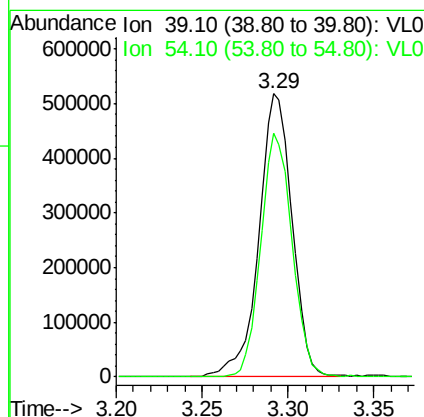
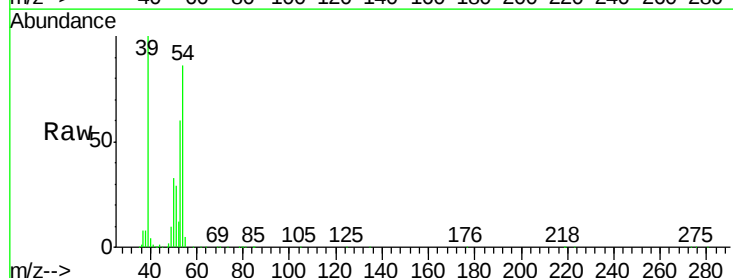
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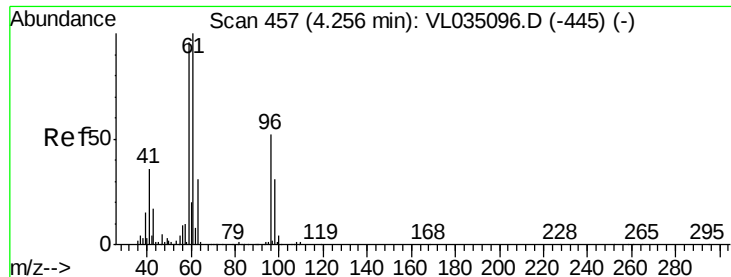
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#16
1,3-Butadiene
Concen: 10.284 ppbv
RT: 3.29 min Scan# 157
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion: 39 Resp: 691373
Ion Ratio Lower Upper
39 100
54 81.6 67.0 100.4





#17

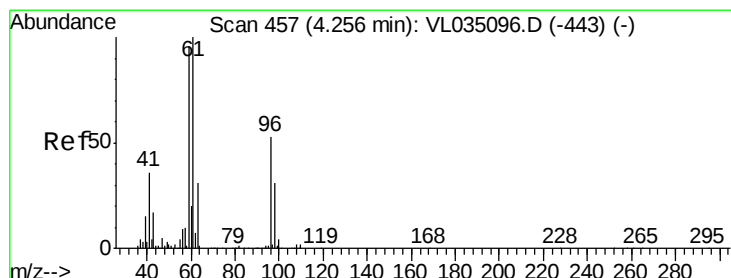
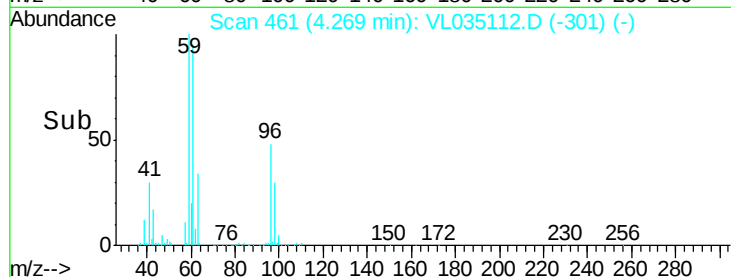
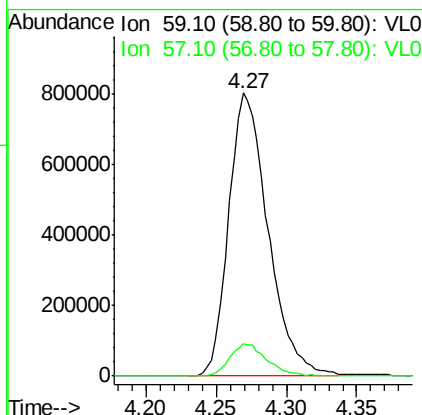
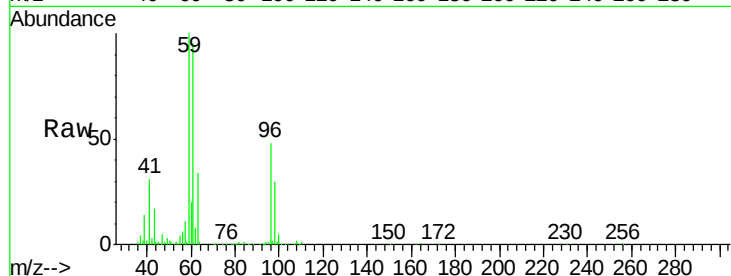
tert-Butyl alcohol
 Concen: 11.536 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion: 59 Resp: 1567038
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.6 12.8

Manual Integrations
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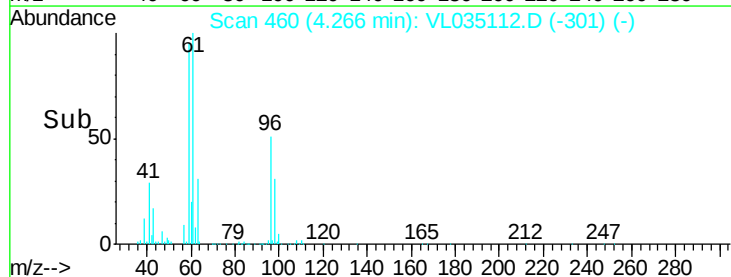
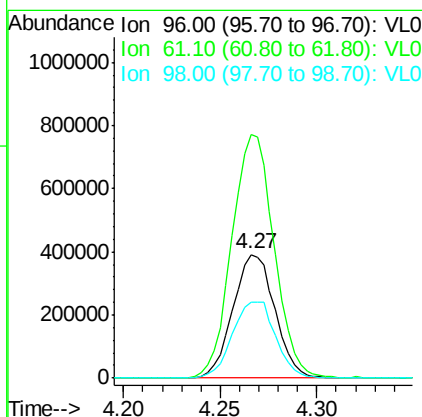
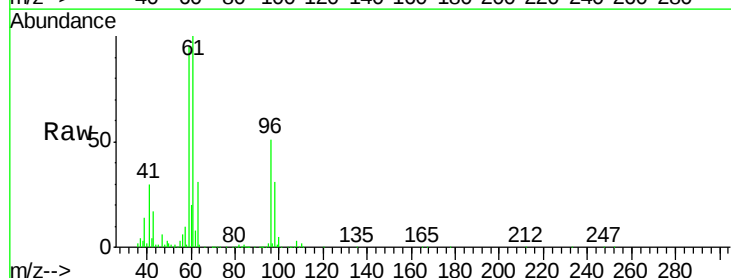
MMDadoda
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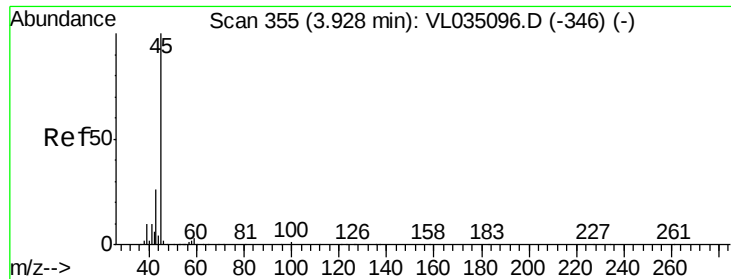


#18

1,1-Dichloroethene
 Concen: 10.311 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion: 96 Resp: 588085
 Ion Ratio Lower Upper
 96 100
 61 196.7 152.2 228.4
 98 61.0 47.7 71.5





#19

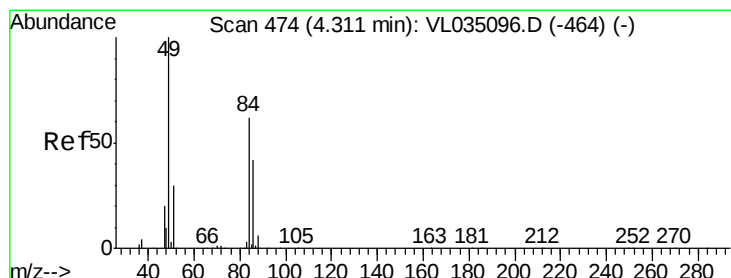
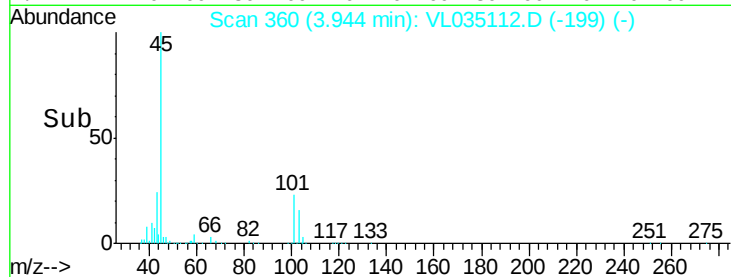
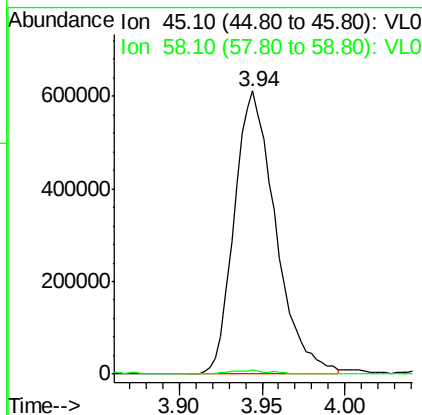
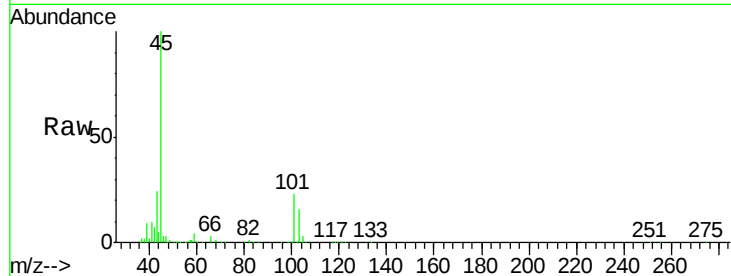
Isopropyl Alcohol
 Concen: 10.596 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion: 45 Resp: 1054622
 Ion Ratio Lower Upper
 45 100
 58 1.8 1.8 2.8#

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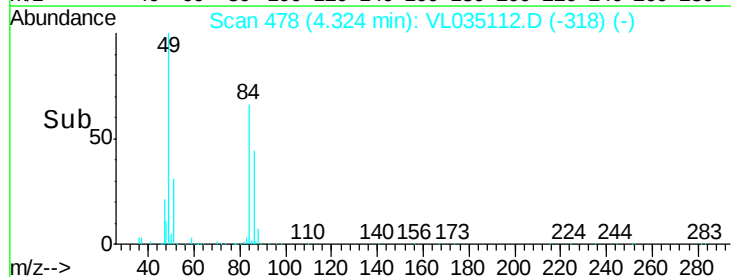
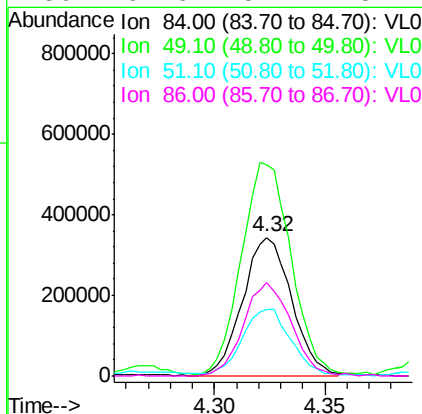
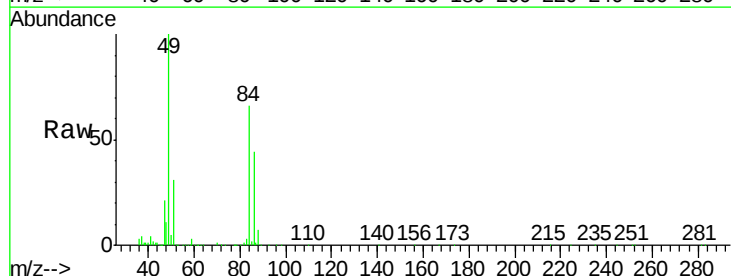
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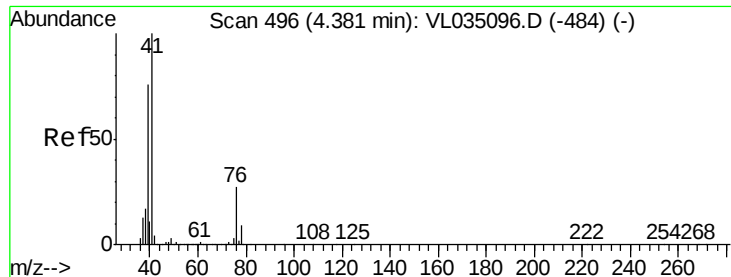


#20

Methylene Chloride
 Concen: 8.474 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion: 84 Resp: 525716
 Ion Ratio Lower Upper
 84 100
 49 150.7 128.8 193.2
 51 46.7 38.7 58.1
 86 67.6 54.1 81.1





#21

Allvl Chloride

Concen: 10.836 ppbv

RT: 4.39 min Scan# 499

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

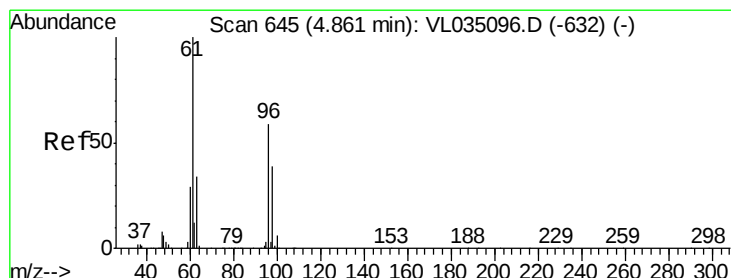
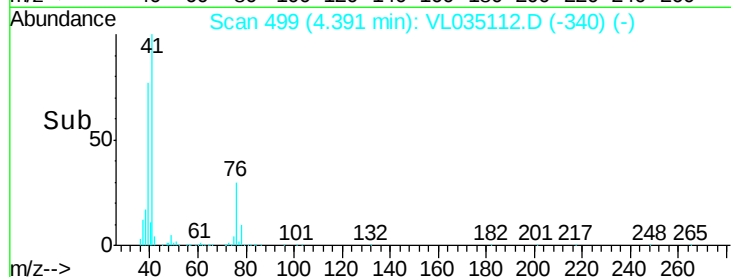
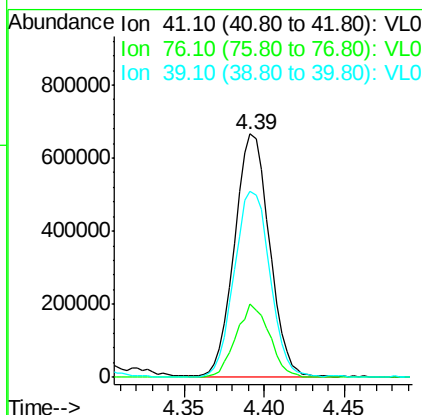
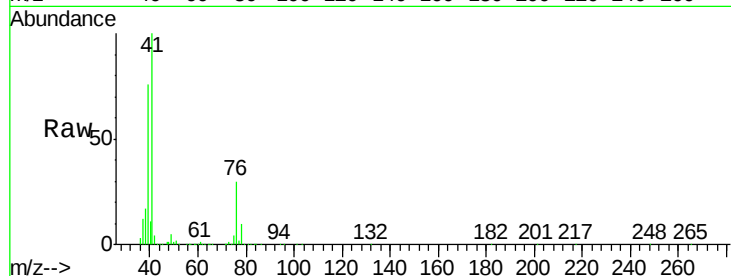
ClientSampleId :

VL0622ABS01

Tot Ion:	41	Resp:	987142
Ion Ratio		Lower	Upper
41	100		
76	29.1	22.6	34.0
39	78.8	61.6	92.4

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#22

trans-1,2-Dichloroethene

Concen: 11.281 ppbv

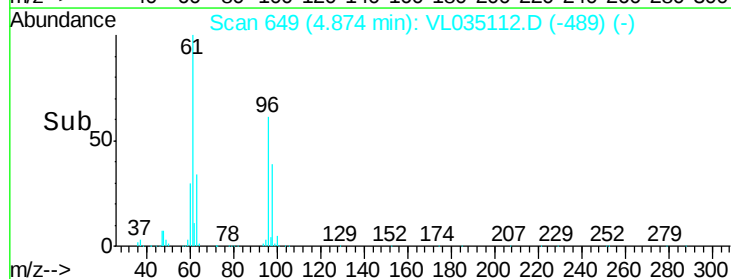
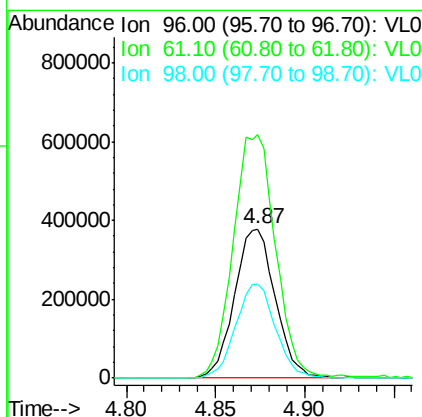
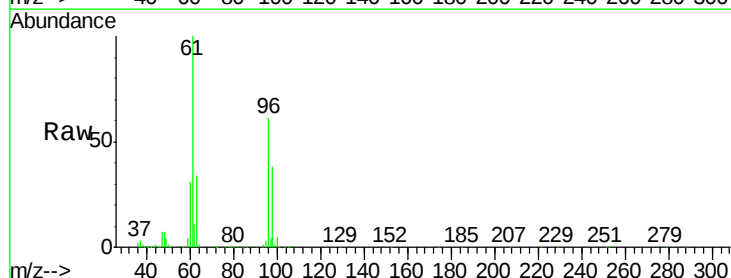
RT: 4.87 min Scan# 649

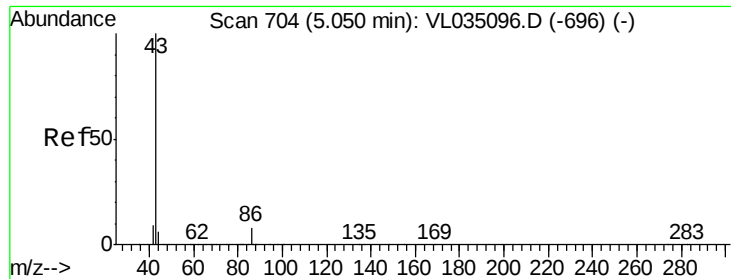
Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Tgt Ion:	96	Resp:	601963
Ion Ratio		Lower	Upper
96	100		
61	162.8	134.5	201.7
98	62.6	52.6	79.0





#23

Vinyl Acetate

Concen: 10.949 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Tot Ion: 43 Resp: 2037064

Ion Ratio Lower Upper

43 100

86 7.8 6.2 9.2

42 10.5 8.1 12.1

44 5.2 4.6 7.0

Instrument :

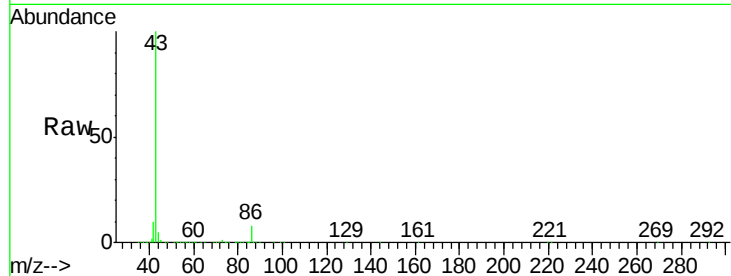
MSVOA_L

ClientSampleId :

VL0622ABS01

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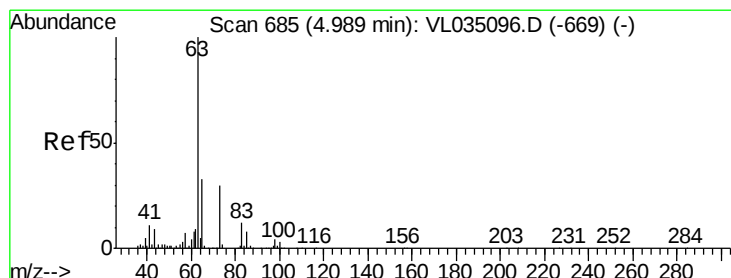
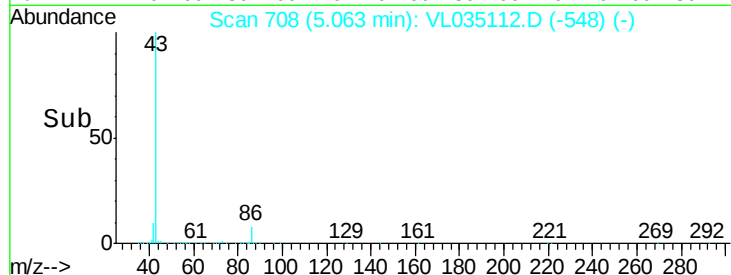
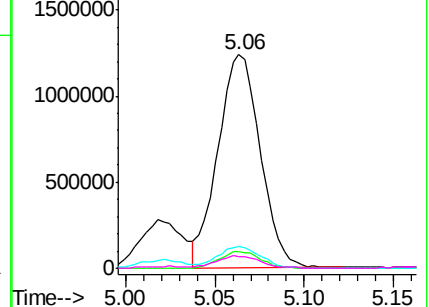


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.723 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

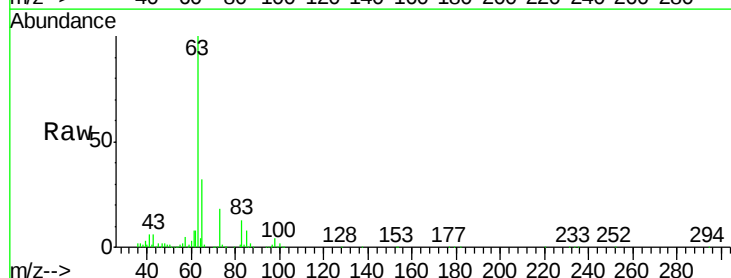
Tgt Ion: 63 Resp: 1525082

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

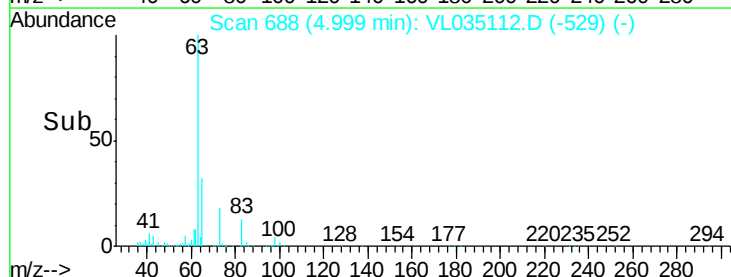
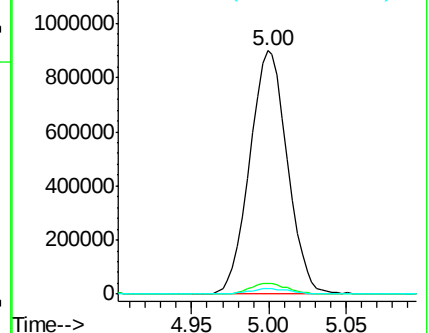
100 2.3 1.4 4.0

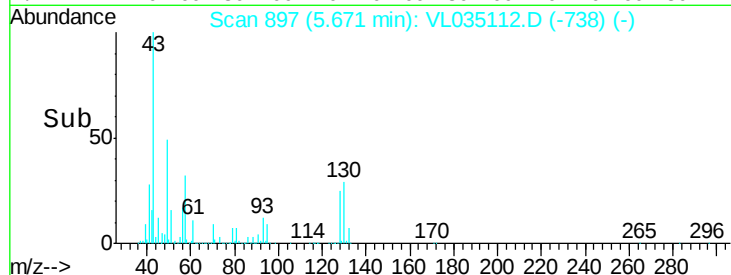
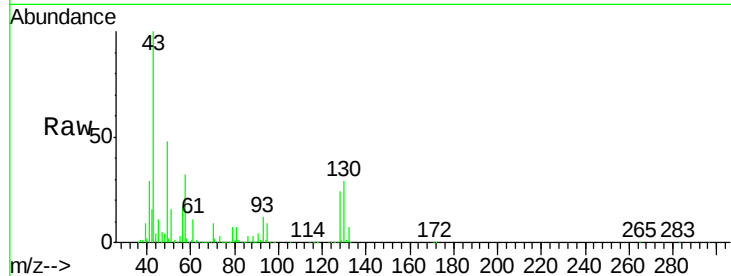
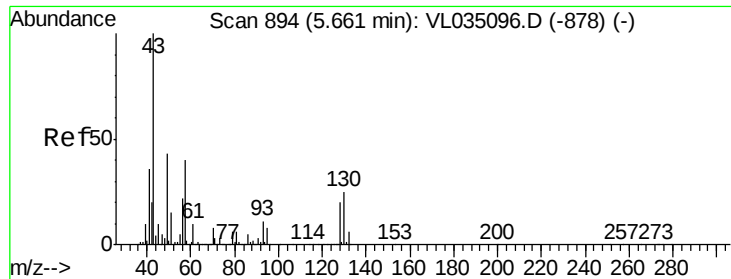


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





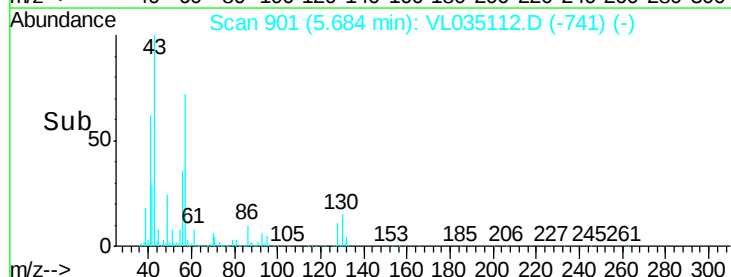
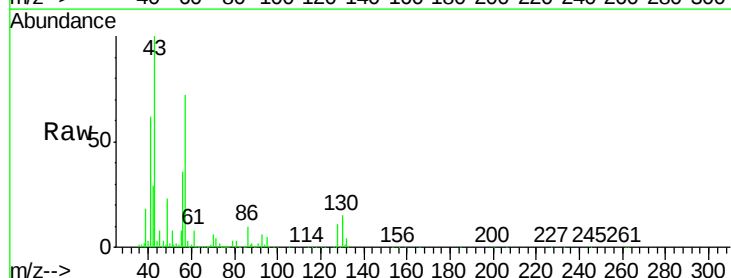
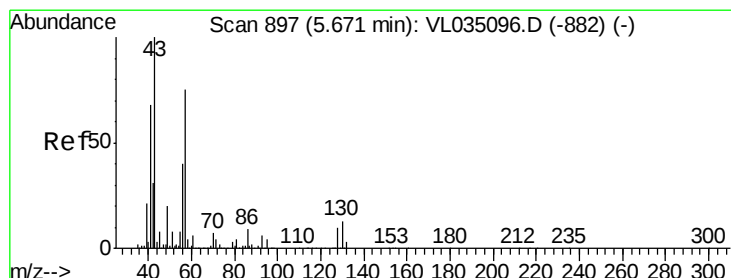
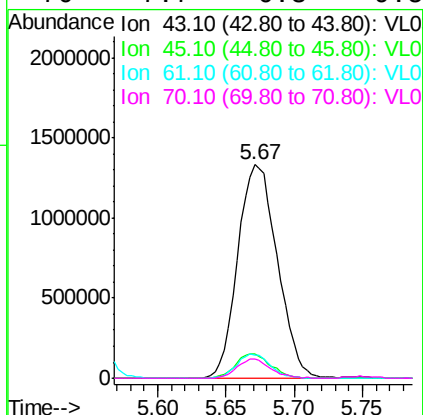
#25
Ethyl Acetate
Concen: 9.706 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.3	8.4	12.6	
61	9.7	8.0	12.0	
70	7.7	6.3	9.5	

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

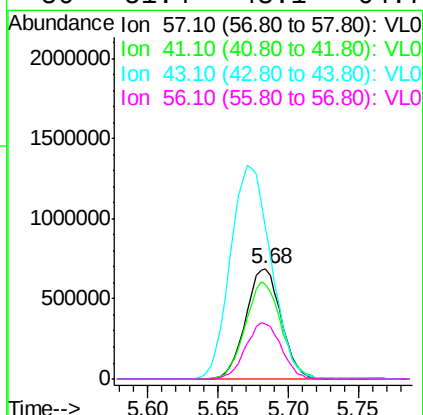
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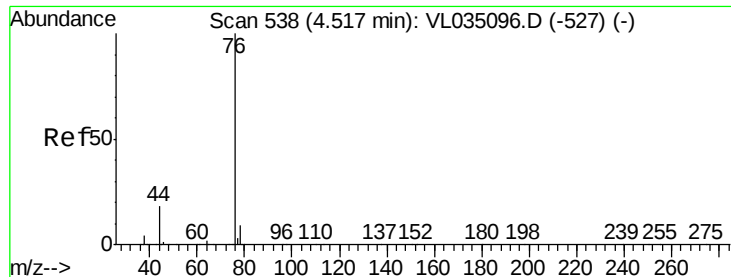
MMDadoda
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#26
Hexane
Concen: 9.671 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.8	72.9	109.3	
43	224.0	181.3	271.9	
56	51.4	43.1	64.7	





#27

Carbon Disulfide

Concen: 13.569 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

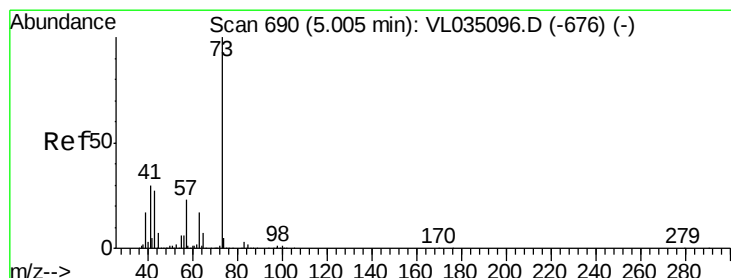
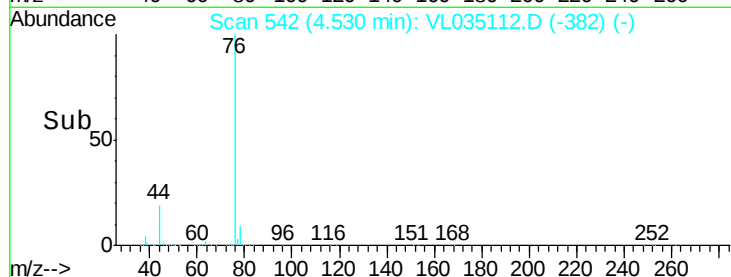
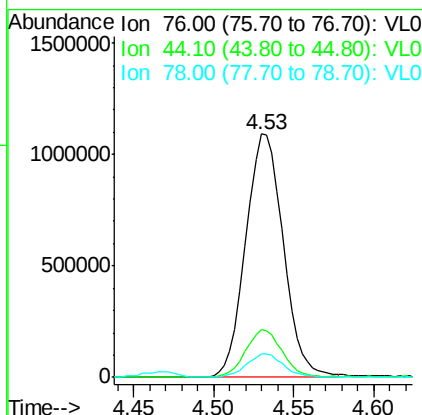
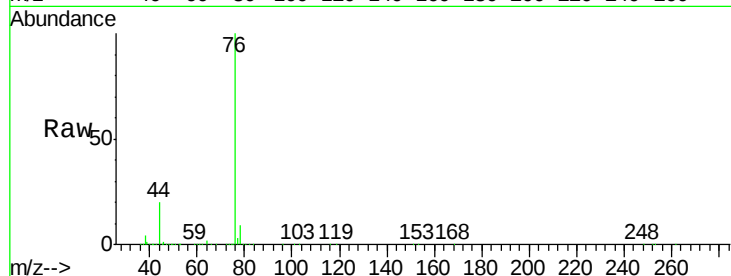
ClientSampleId :

VL0622ABS01

Tot Ion:	76	Resp:	1751364
Ion	Ratio	Lower	Upper
76	100		
44	19.0	15.8	23.8
78	9.6	7.6	11.4

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#28

Methyl tert-Butyl Ether

Concen: 10.686 ppbv

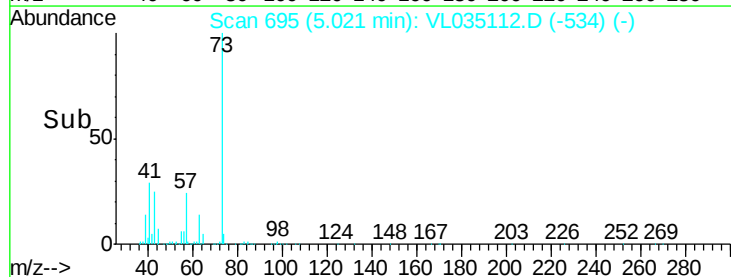
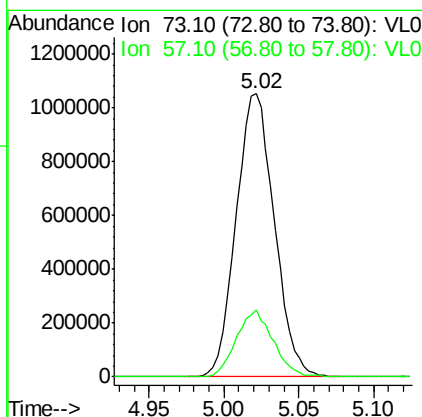
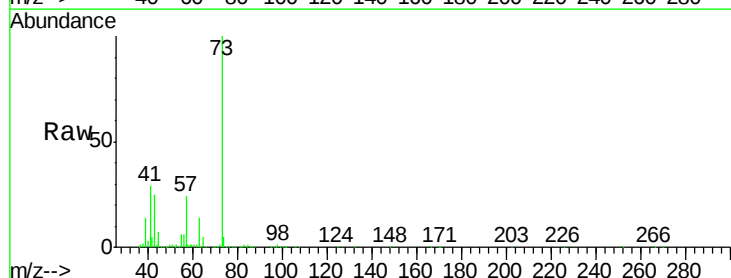
RT: 5.02 min Scan# 695

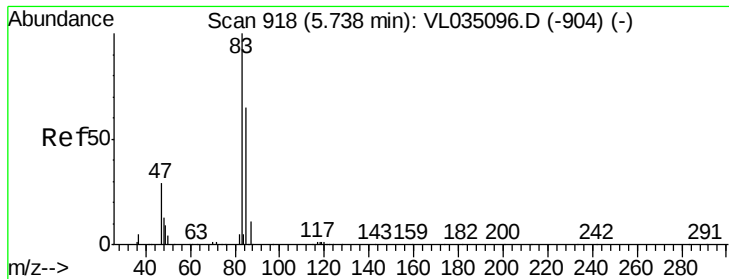
Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Tgt Ion:	73	Resp:	1872574
Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.5	27.7





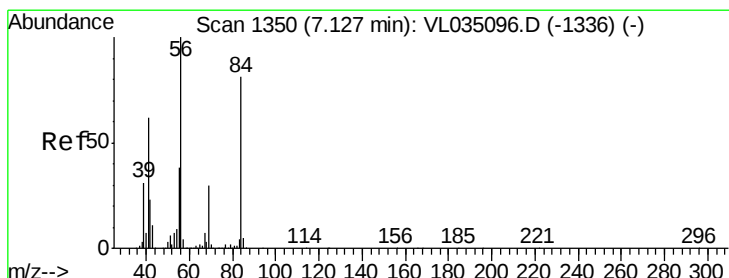
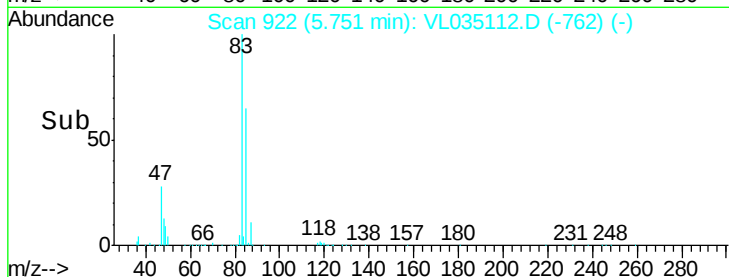
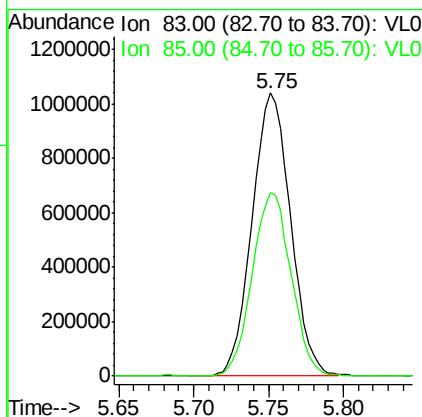
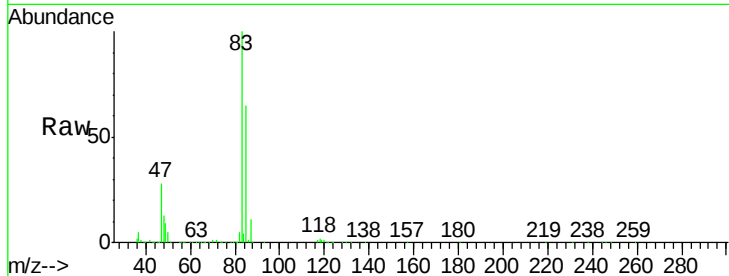
#29
Chloroform
Concen: 9.522 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 83 Resp: 1858348
Ion Ratio Lower Upper
83 100
85 64.8 52.1 78.1

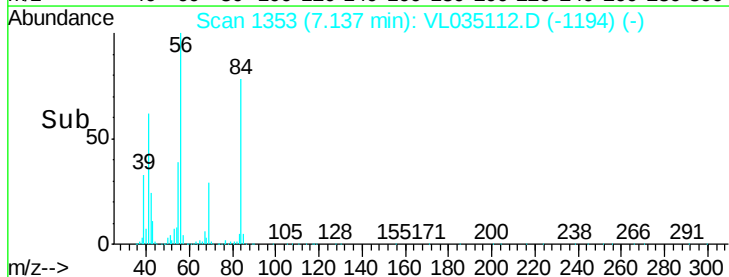
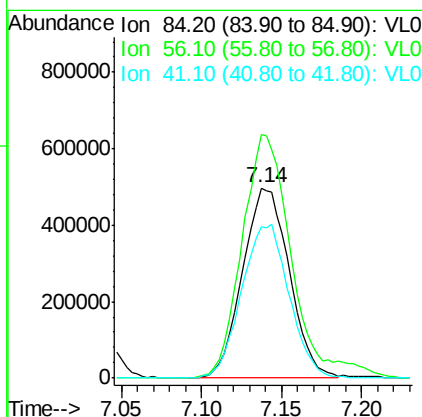
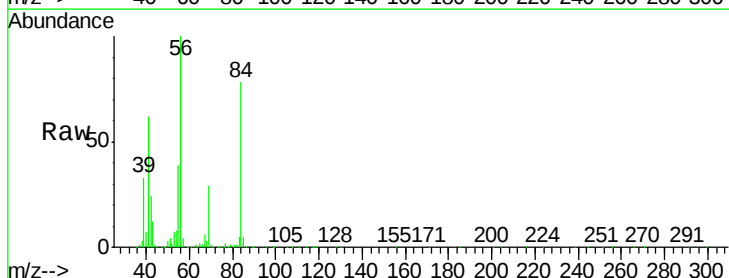
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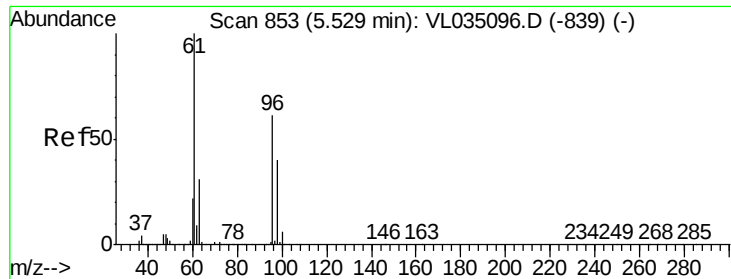
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#30
Cyclohexane
Concen: 11.119 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion: 84 Resp: 995282
Ion Ratio Lower Upper
84 100
56 136.4 108.0 162.0
41 82.4 65.6 98.4





#31

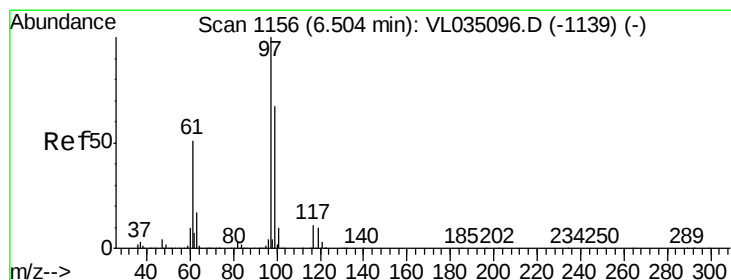
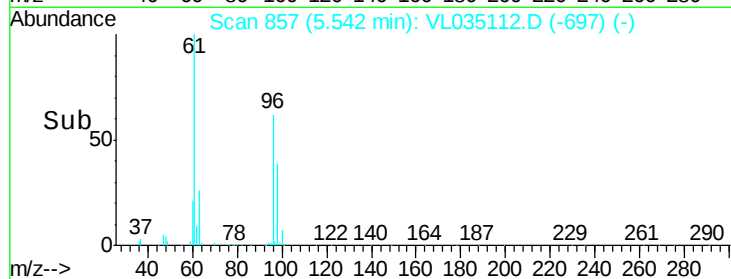
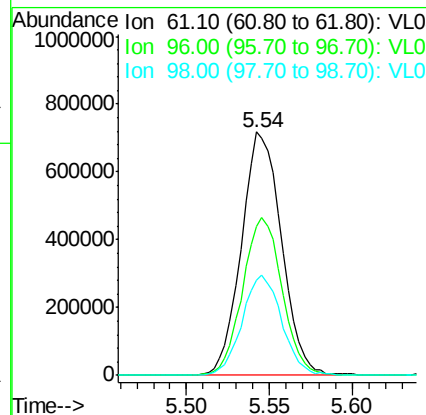
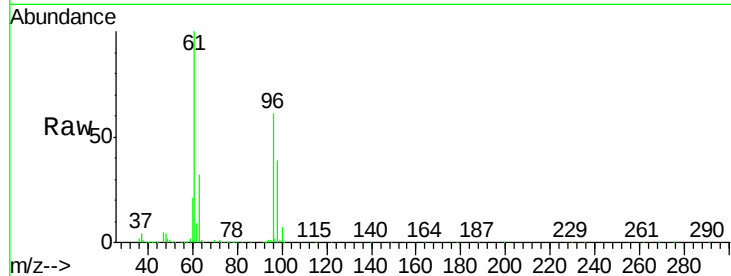
cis-1,2-Dichloroethene
Concen: 10.509 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.2	48.8	73.2
98	39.0	31.9	47.9

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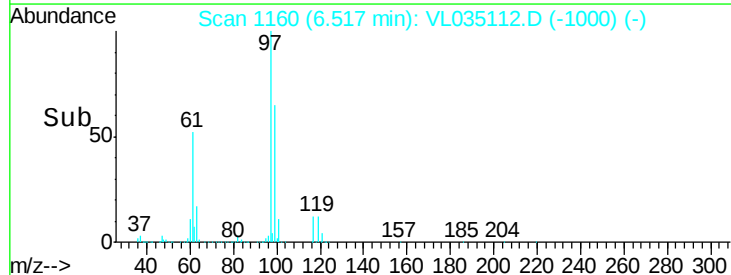
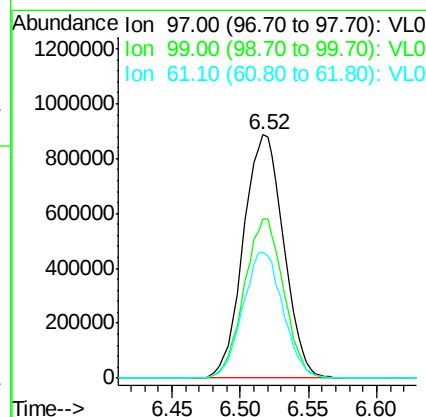
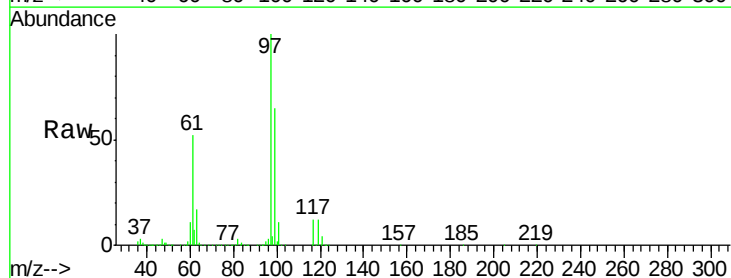
MMDadoda
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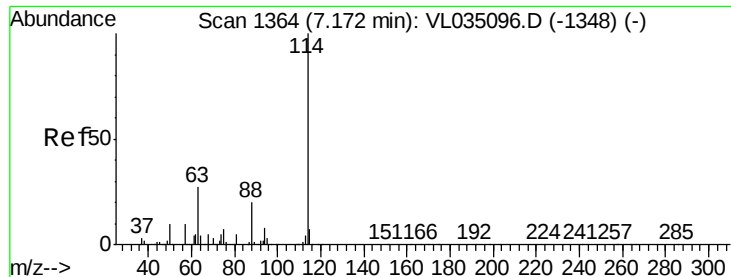


#32

1,1,1-Trichloroethane
Concen: 10.031 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	51.5	41.0	61.6





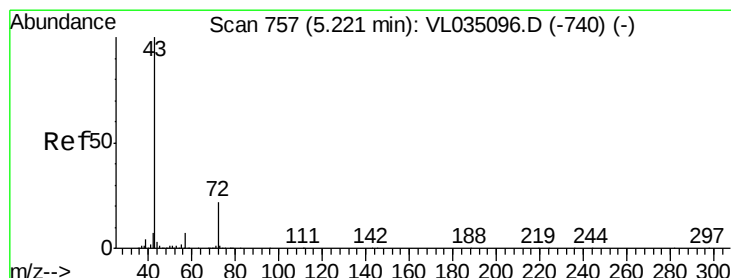
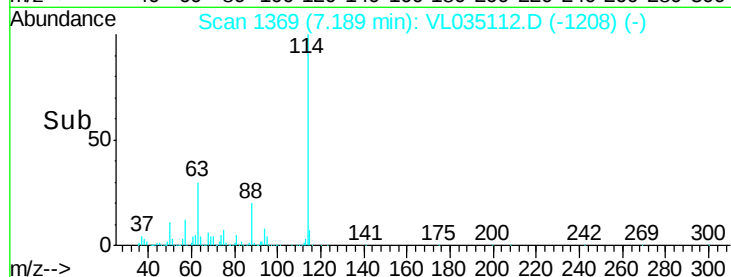
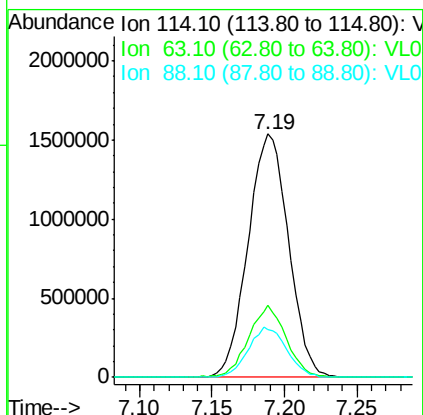
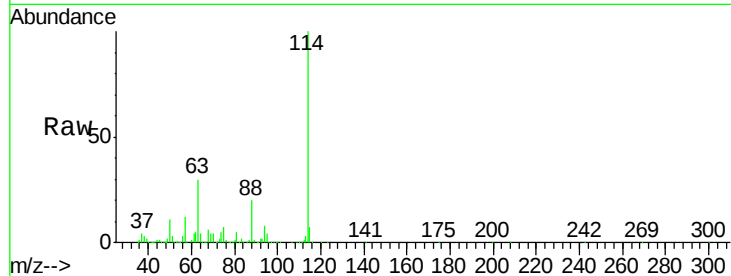
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.7	21.9	32.9
88	19.6	15.6	23.4

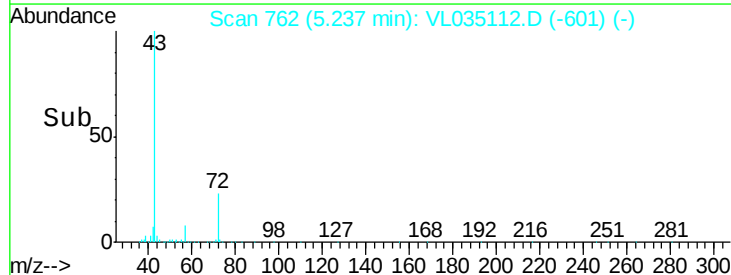
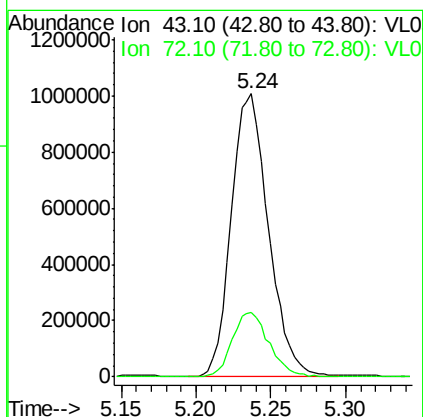
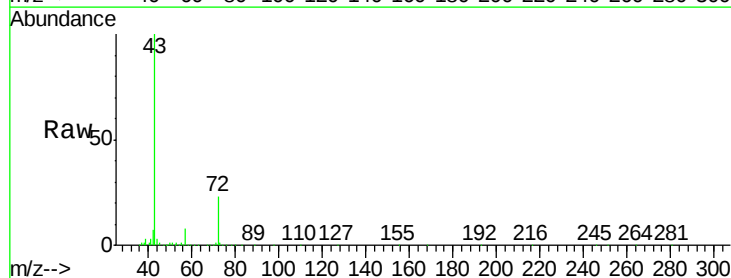
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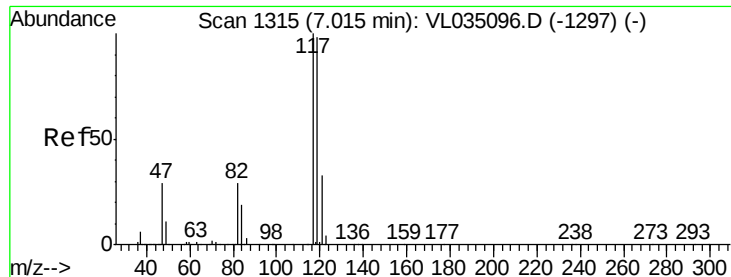
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#34
 2-Butanone
 Concen: 10.114 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.3	27.5





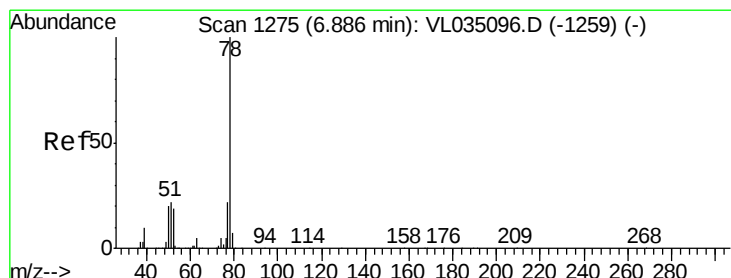
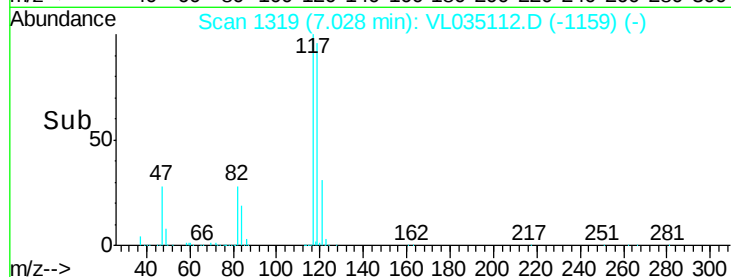
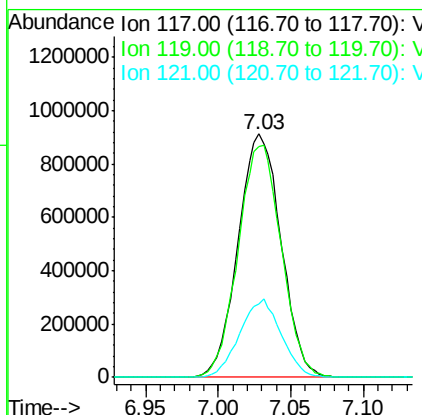
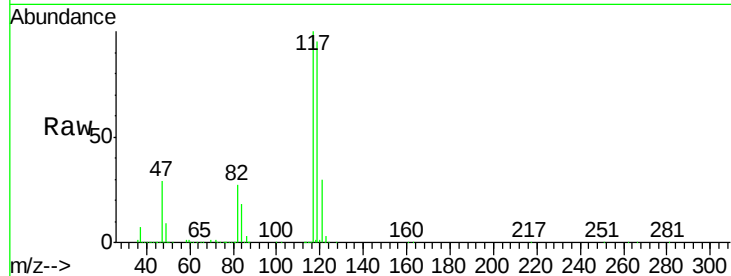
#35
Carbon Tetrachloride
Concen: 10.473 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.3	117.5
121	30.2	26.0	39.0

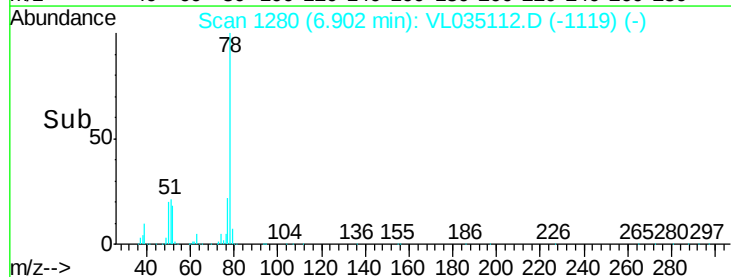
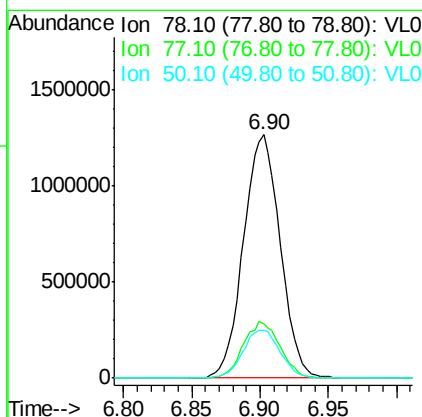
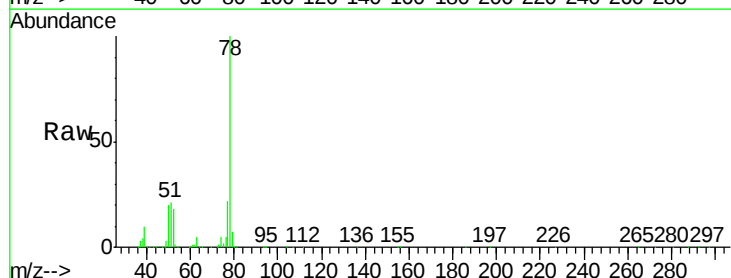
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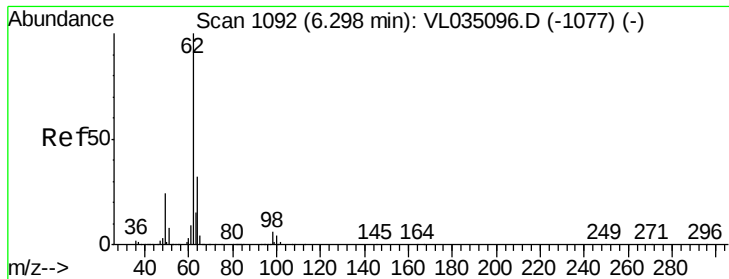
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#36
Benzene
Concen: 10.197 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	17.8	26.6
50	19.7	16.2	24.2





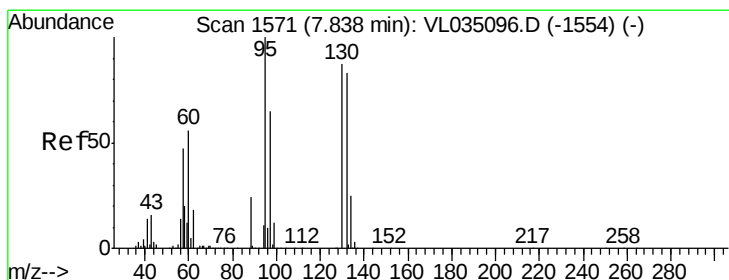
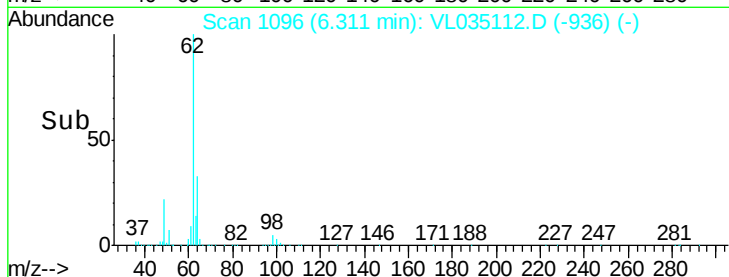
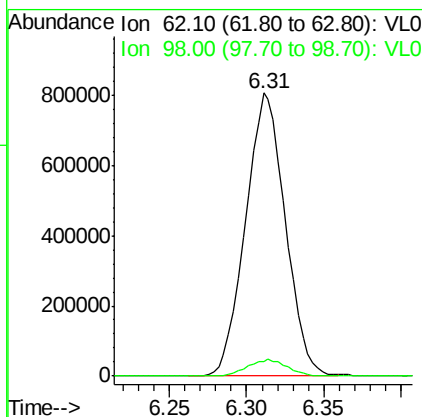
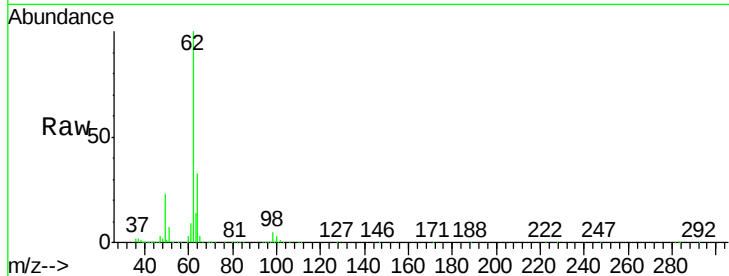
#37
 1,2-Dichloroethane
 Concen: 9.832 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion: 62 Resp: 1441305
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.8 7.2

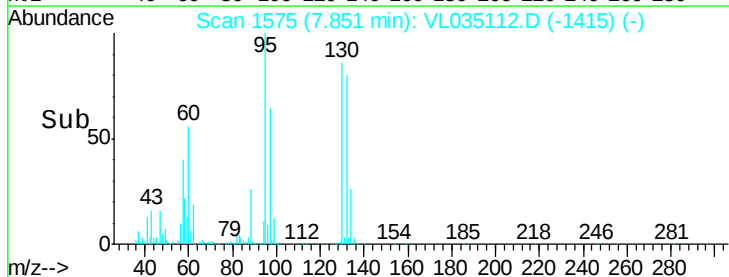
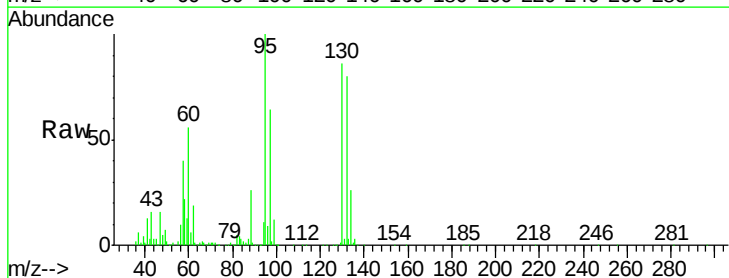
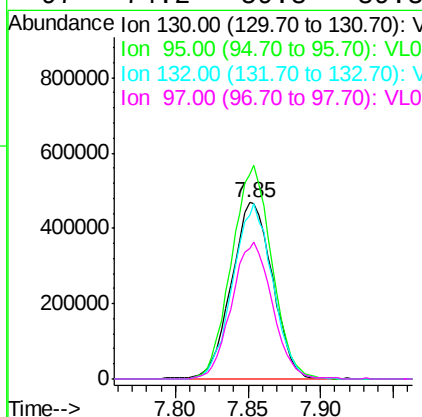
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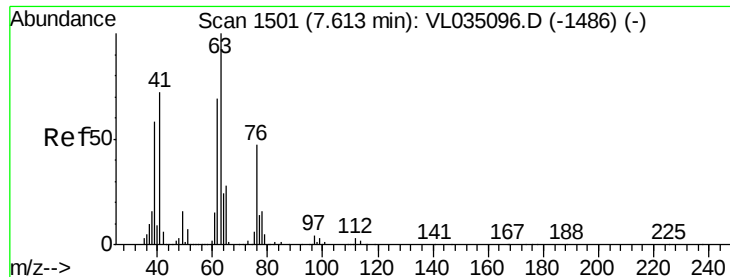
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#38
 Trichloroethene
 Concen: 10.182 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion:130 Resp: 917359
 Ion Ratio Lower Upper
 130 100
 95 115.9 91.4 137.2
 132 93.1 75.8 113.6
 97 74.2 59.8 89.8





#39

1,2-Dichloropropane

Concen: 10.337 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

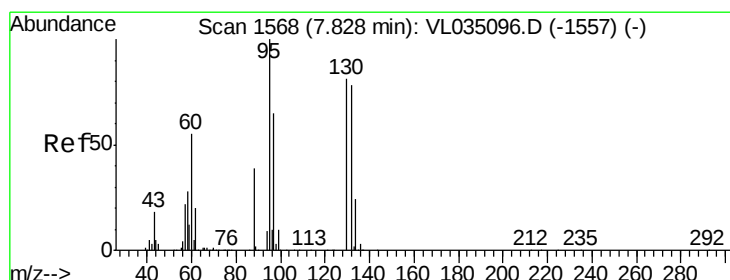
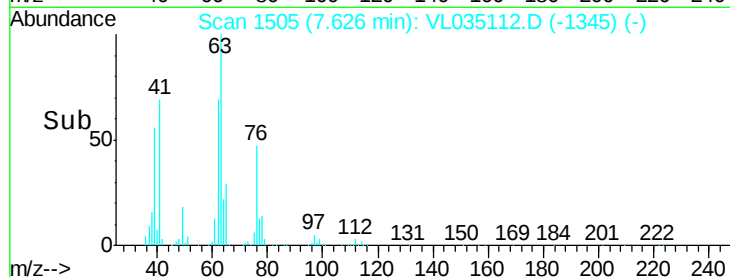
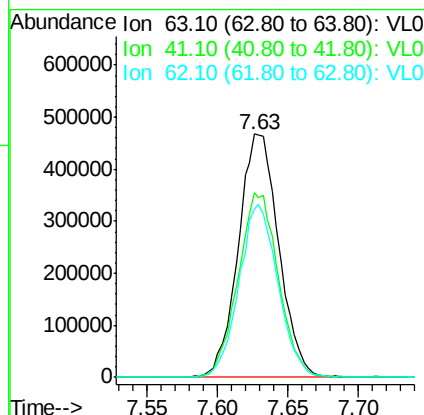
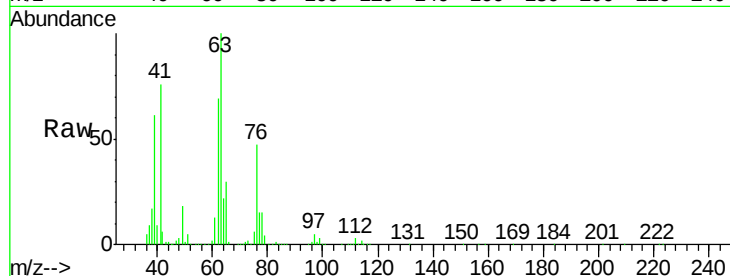
ClientSampleId :

VL0622ABS01

Tot Ion:	63	Resp:	937740
Ion	Ratio	Lower	Upper
63	100		
41	75.8	58.0	87.0
62	69.1	55.4	83.0

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#40

1,4-Dioxane

Concen: 10.000 ppbv

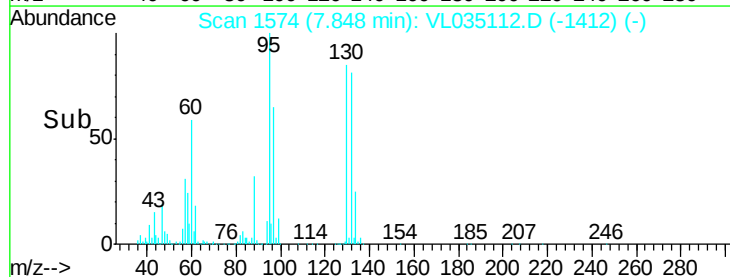
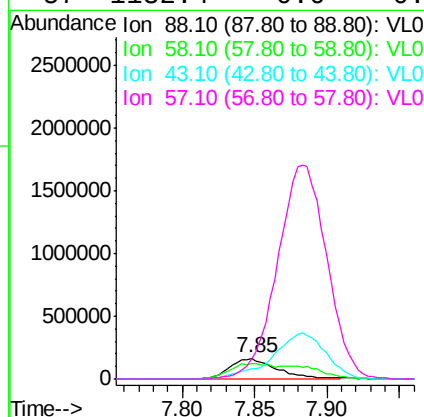
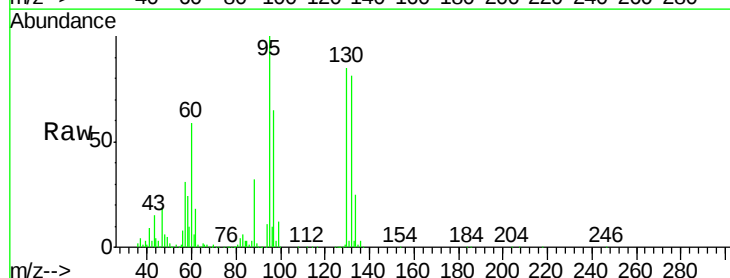
RT: 7.85 min Scan# 1574

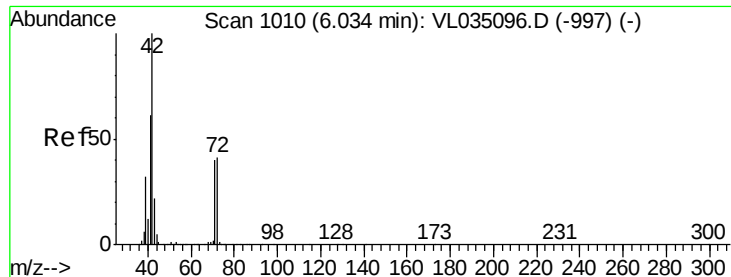
Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Tgt Ion:	88	Resp:	357839
Ion	Ratio	Lower	Upper
88	100		
58	131.1	110.2	165.4
43	261.1	0.0	0.0#
57	1132.4	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.990 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

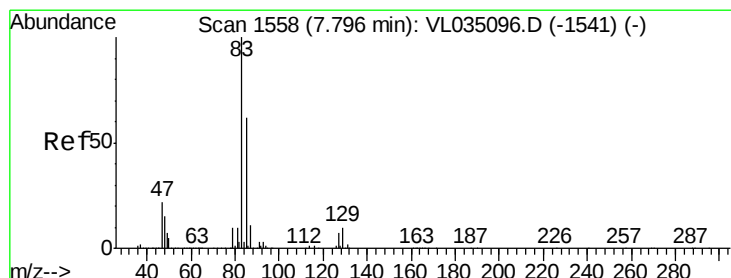
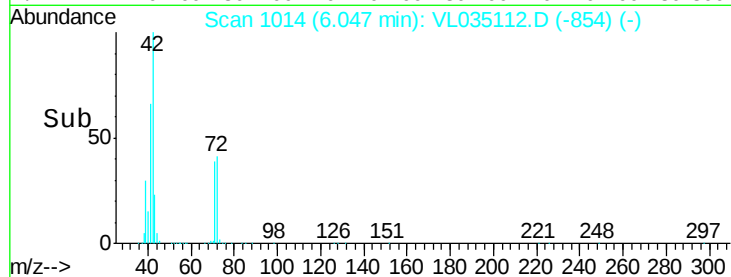
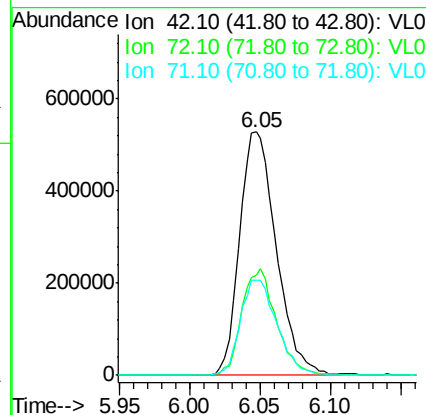
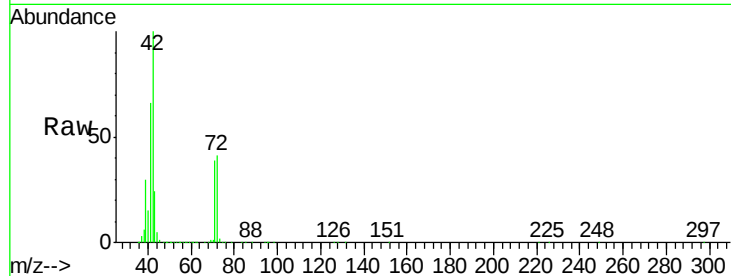
ClientSampleId :

VL0622ABS01

Tot Ion:	42	Resp:	965551
Ion Ratio		Lower	Upper
42	100		
72	41.6	33.4	50.2
71	39.3	31.8	47.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.740 ppbv

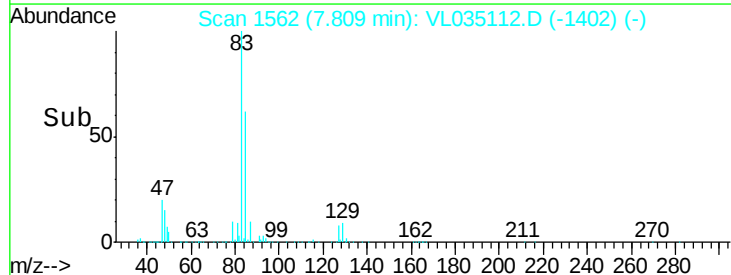
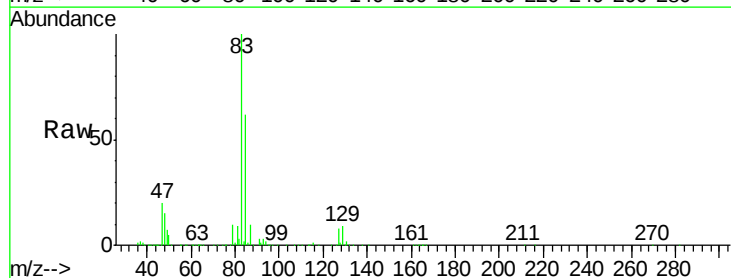
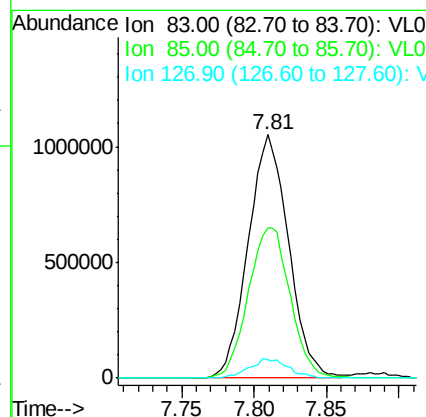
RT: 7.81 min Scan# 1562

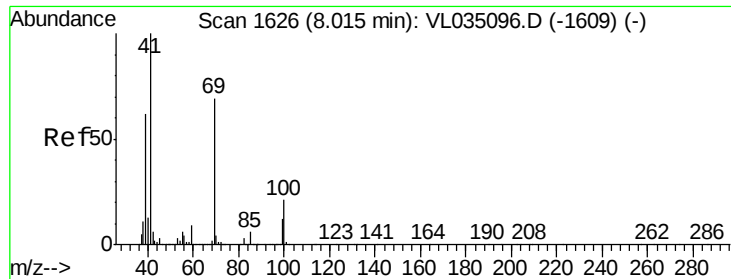
Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Tgt Ion:	83	Resp:	2039124
Ion Ratio		Lower	Upper
83	100		
85	61.8	49.4	74.0
127	7.6	5.9	8.9





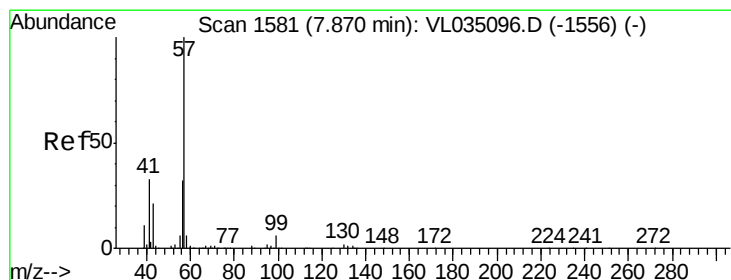
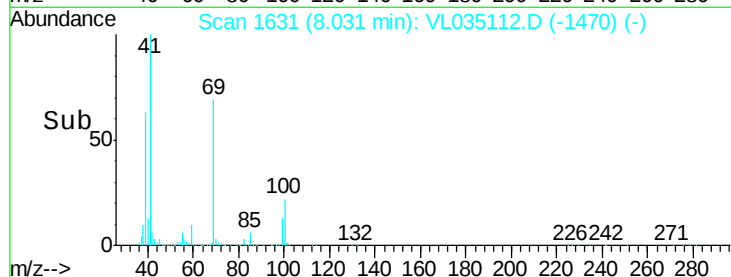
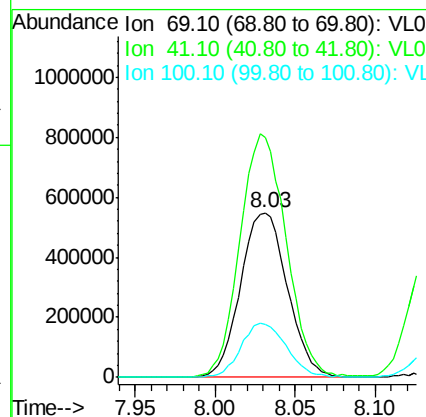
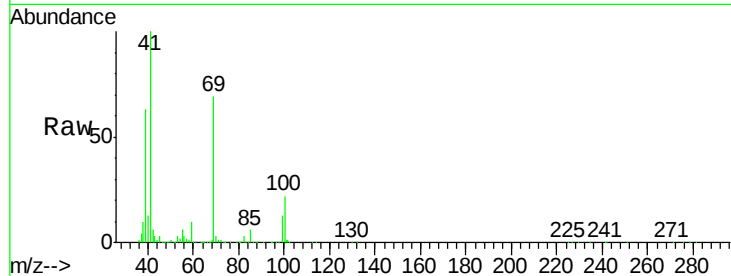
#43
Methvl Methacrilate
Concen: 11.160 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 69 Resp: 1095715
Ion Ratio Lower Upper
69 100
41 146.1 116.4 174.6
100 32.0 25.3 37.9

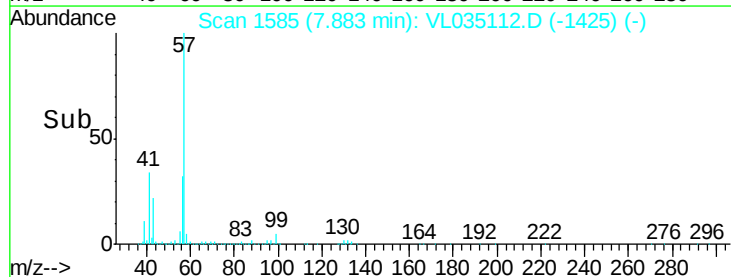
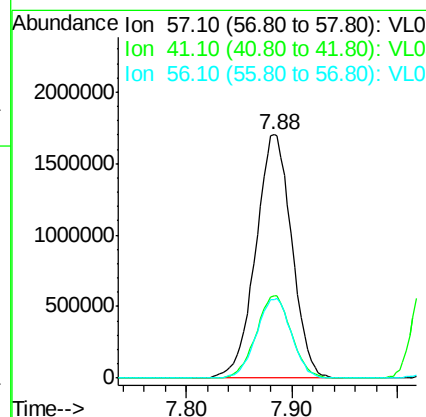
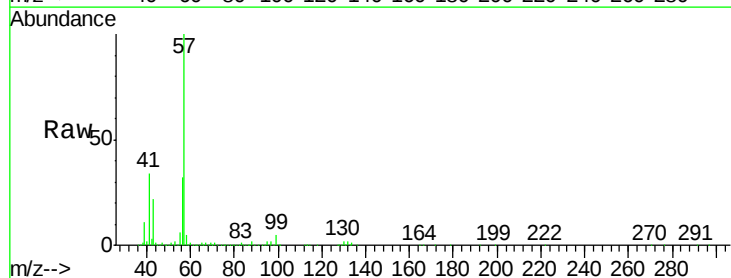
Manual Integrations
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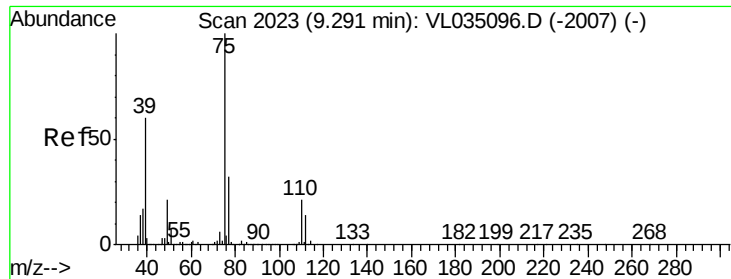
MMDadoda
6/23/2020 10:59:24 AM



#44
2,2,4-Trimethylpentane
Concen: 9.991 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion: 57 Resp: 4044596
Ion Ratio Lower Upper
57 100
41 33.0 26.2 39.2
56 32.0 25.4 38.2





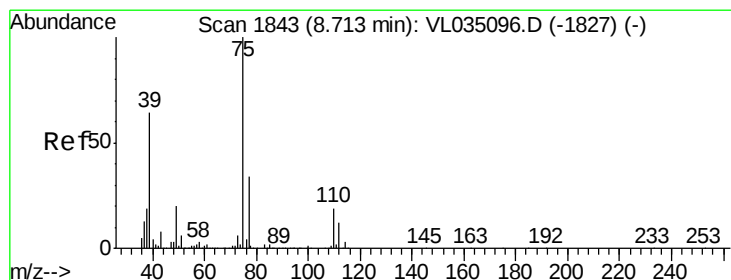
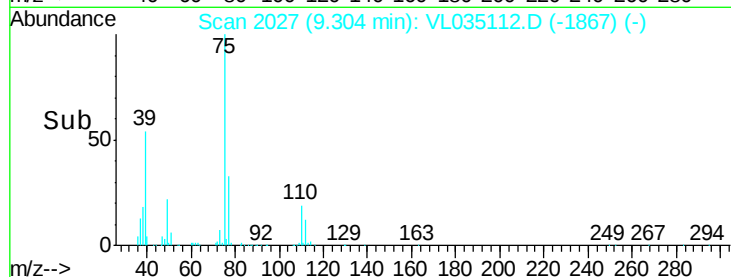
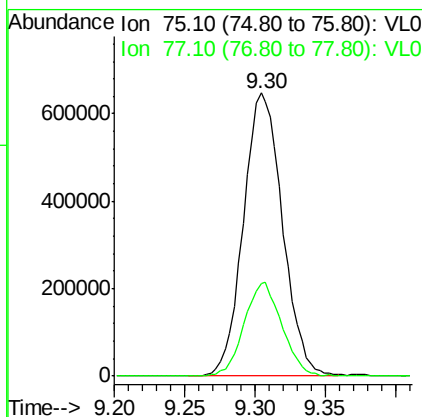
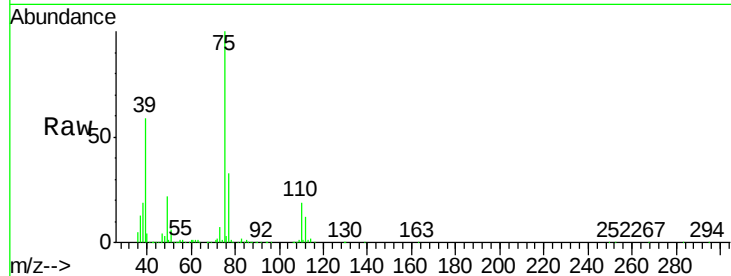
#45
t-1,3-Dichloropropene
Concen: 13.173 ppbv
RT: 9.30 min Scan# 2027
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 75 Resp: 1258629
Ion Ratio Lower Upper
75 100
77 32.9 25.5 38.3

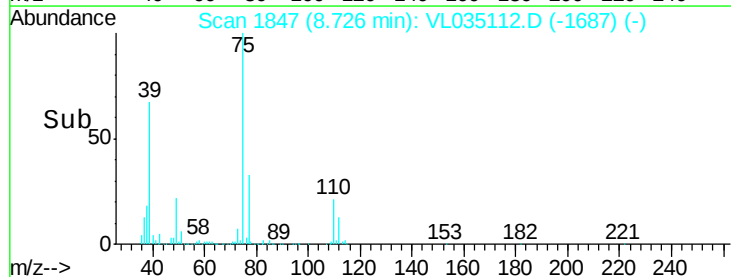
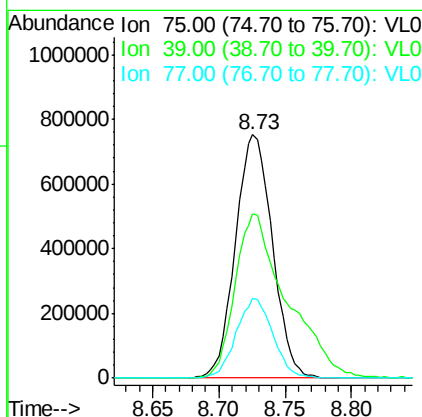
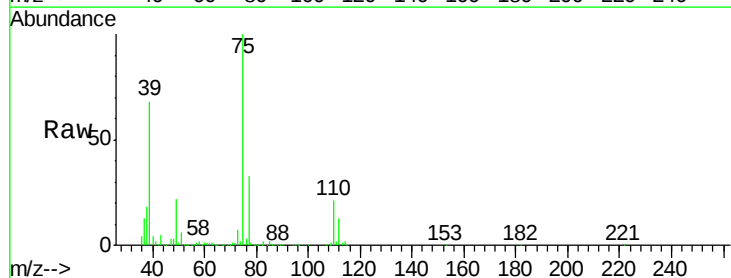
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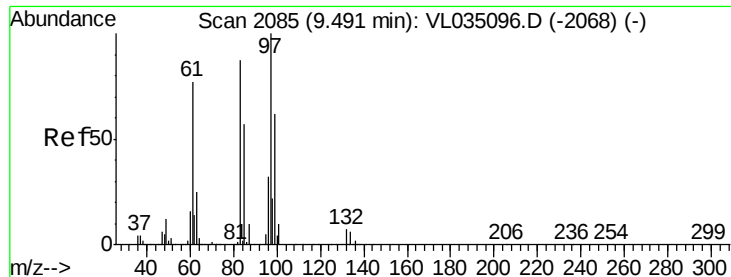
MMDadoda
6/23/2020 10:59:24 AM



#46
cis-1,3-Dichloropropene
Concen: 12.271 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion: 75 Resp: 1456556
Ion Ratio Lower Upper
75 100
39 67.5 51.1 76.7
77 32.7 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 10.081 ppbv

RT: 9.50 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

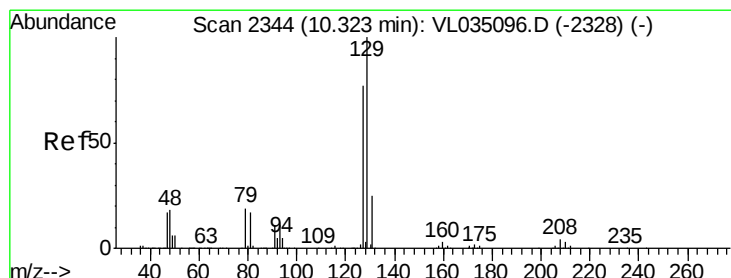
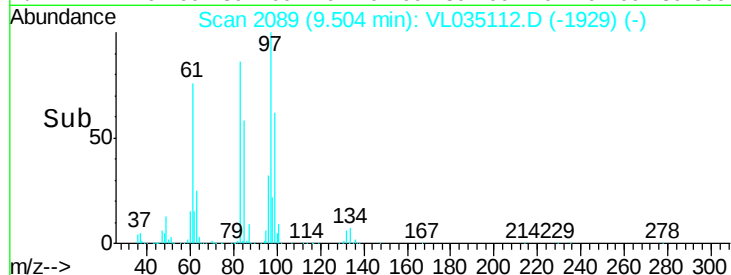
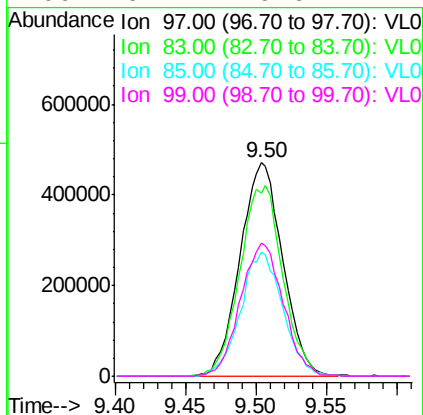
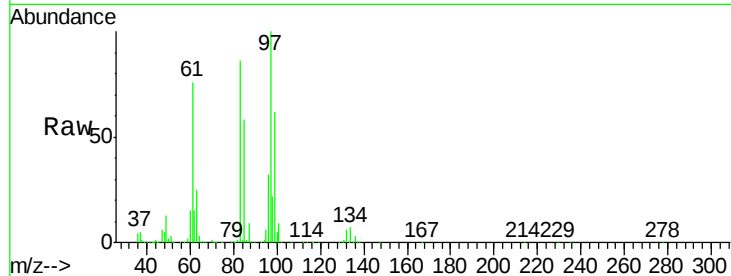
ClientSampleId :

VL0622ABS01

Tot Ion:	97	Resp:	998101
Ion Ratio	Lower	Upper	
97	100		
83	85.6	69.5	104.3
85	57.8	46.0	69.0
99	62.1	49.6	74.4

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#48

Dibromochloromethane

Concen: 11.614 ppbv

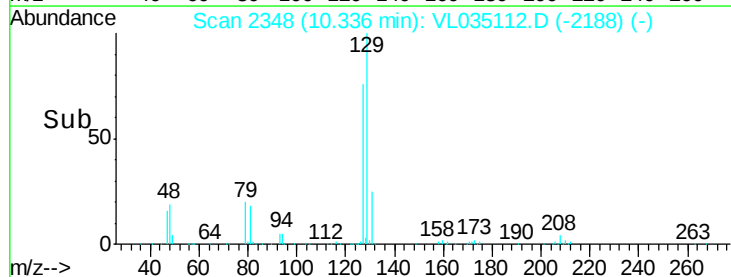
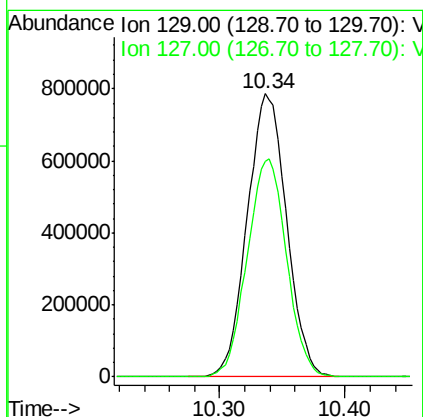
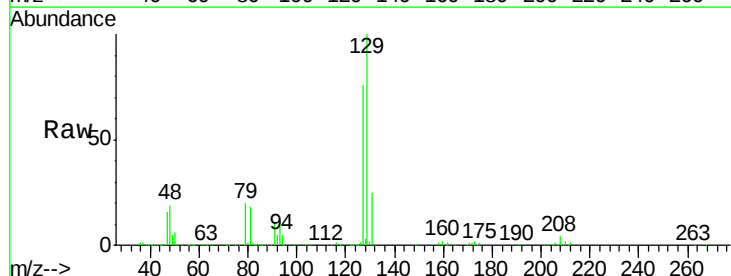
RT: 10.34 min Scan# 2348

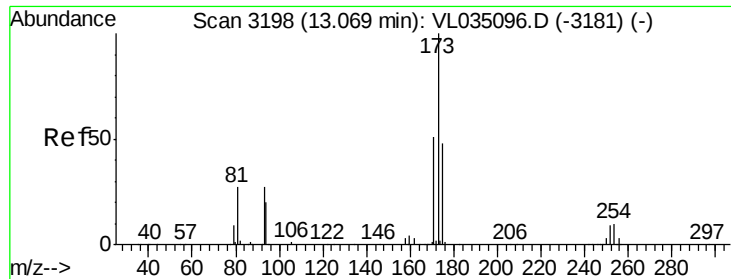
Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Tgt Ion:	129	Resp:	1714259
Ion Ratio	Lower	Upper	
129	100		
127	77.0	39.3	117.8





#49

Bromoform

Concen: 11.695 ppbv

RT: 13.09 min Scan# 3204

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion:173 Resp: 1466509

Ion Ratio Lower Upper

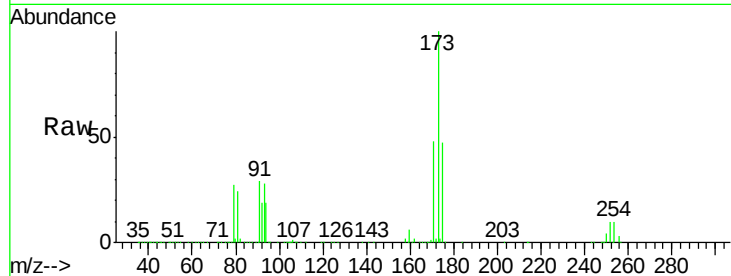
173 100

175 49.6 39.1 58.7

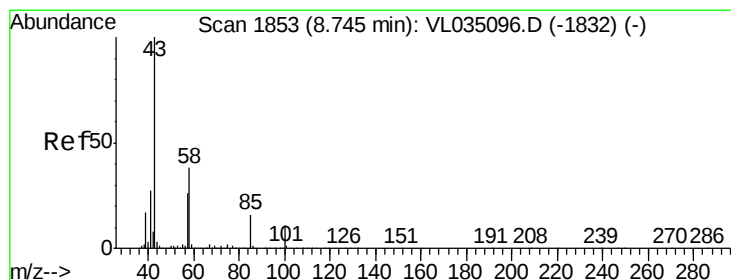
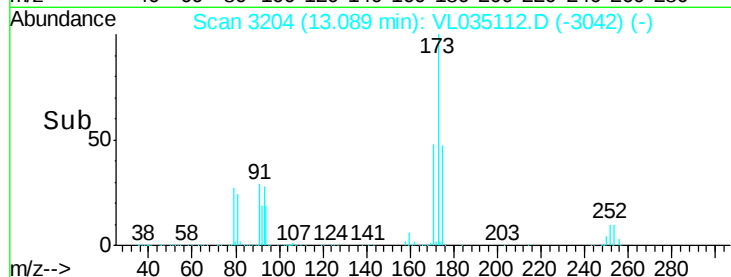
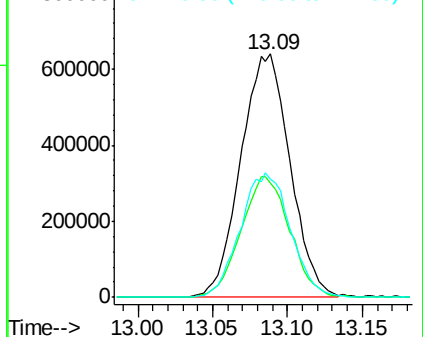
171 52.1 41.7 62.5

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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: 10.590 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL035112.D

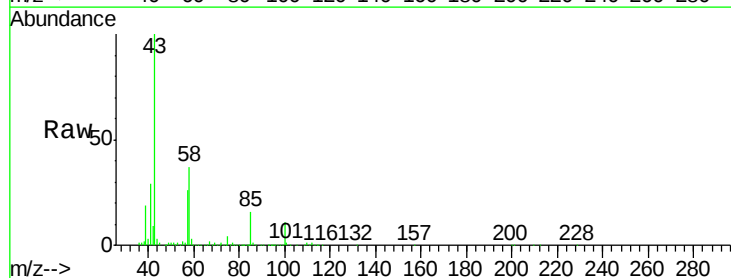
Acq: 22 Jun 2020 15:54

Tgt Ion: 43 Resp: 2588132

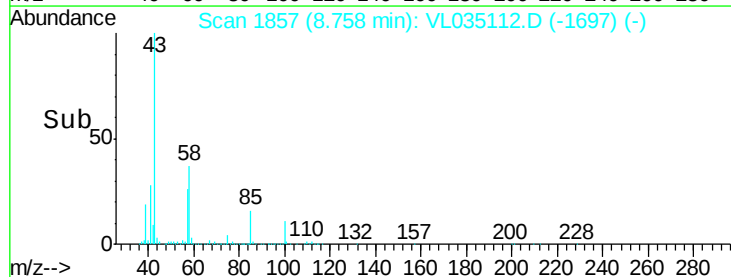
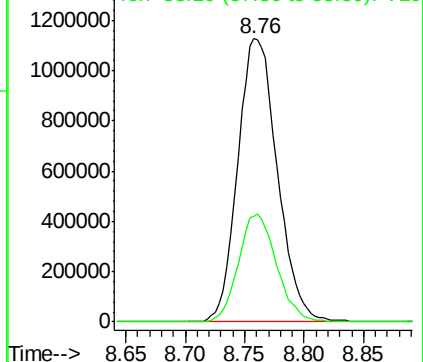
Ion Ratio Lower Upper

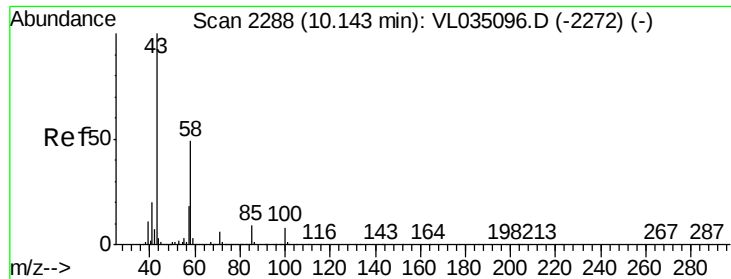
43 100

58 36.8 29.4 44.0



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





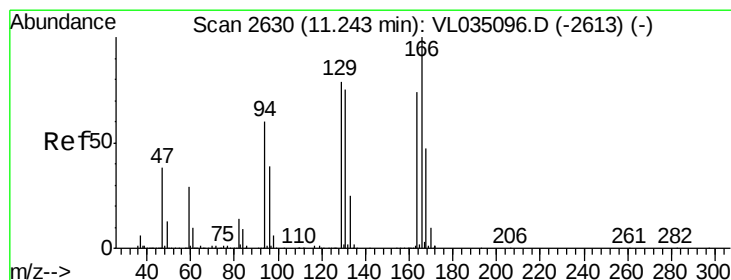
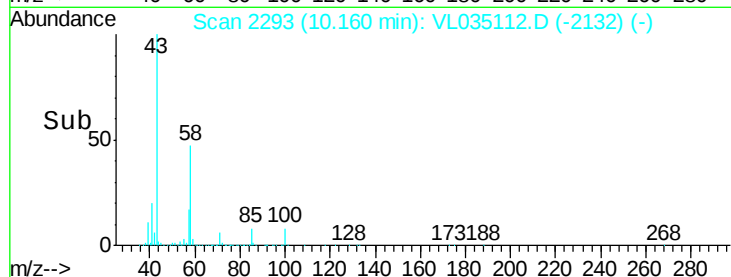
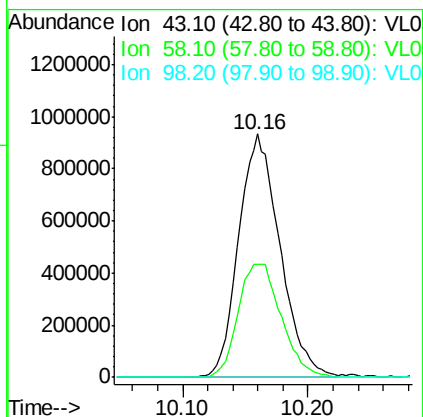
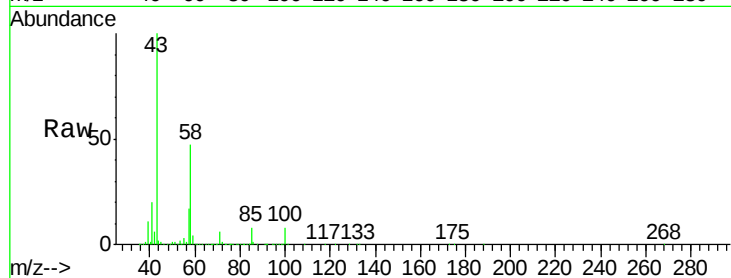
#51
2-Hexanone
Concen: 11.140 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.2	58.8
98	0.2	0.3	0.5#

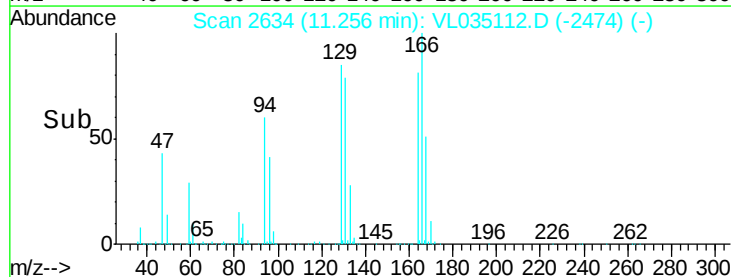
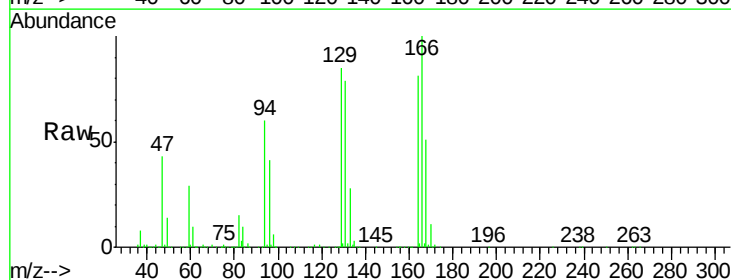
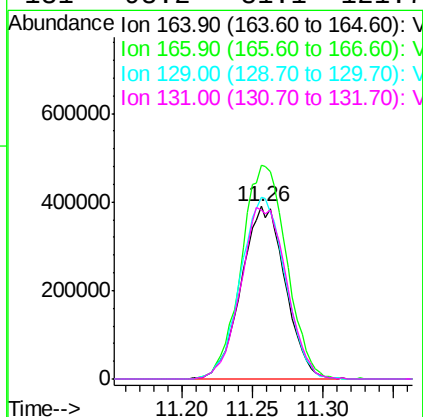
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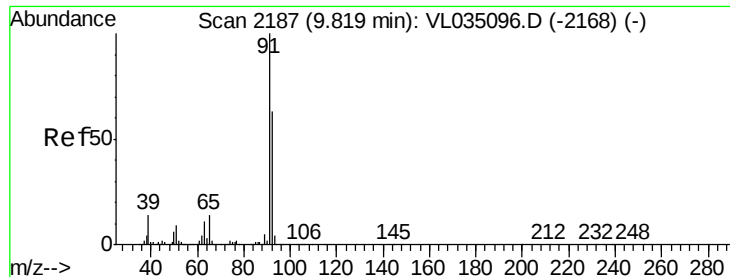
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#52
Tetrachloroethene
Concen: 10.408 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	107.5	161.3
129	105.0	84.9	127.3
131	98.2	81.1	121.7





#53

Toluene

Concen: 11.219 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 91 Resp: 2775731

Ion Ratio Lower Upper

91 100

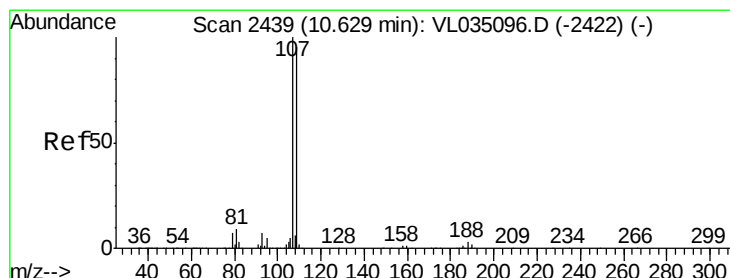
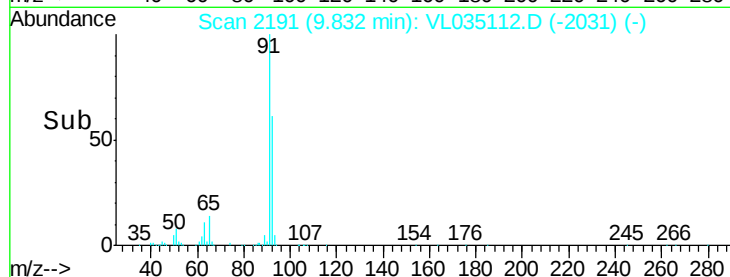
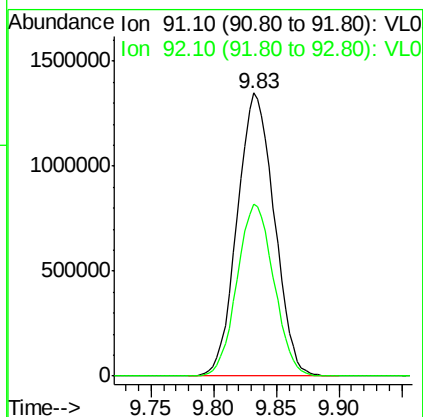
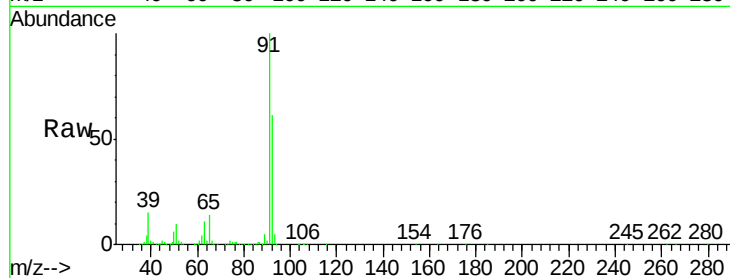
92 60.3 49.0 73.6

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6/23/2020 10:59:24 AM



#54

1,2-Dibromoethane

Concen: 10.397 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.02 min

Lab File: VL035112.D

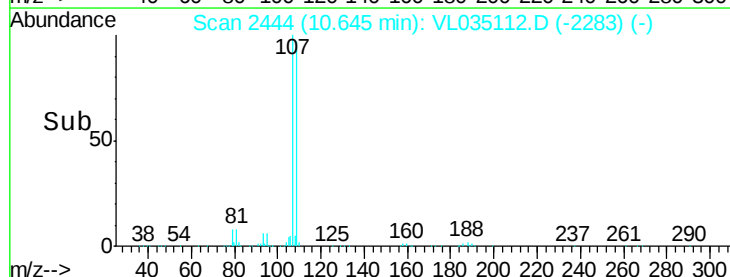
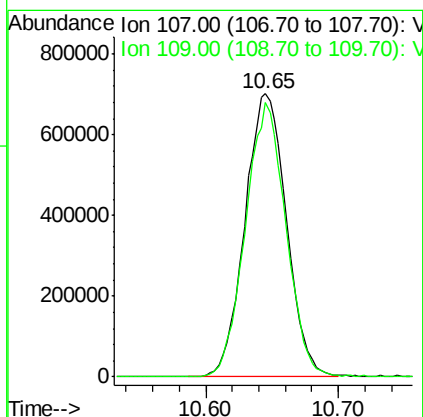
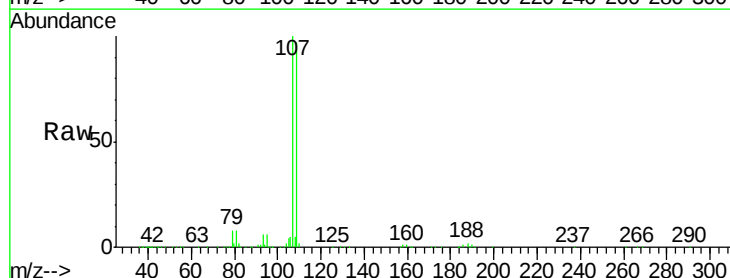
Acq: 22 Jun 2020 15:54

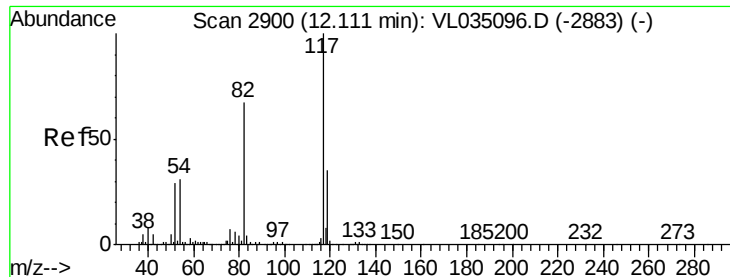
Tgt Ion: 107 Resp: 1524263

Ion Ratio Lower Upper

107 100

109 96.7 75.9 113.9





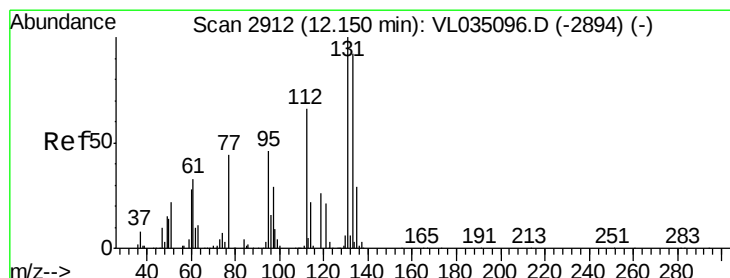
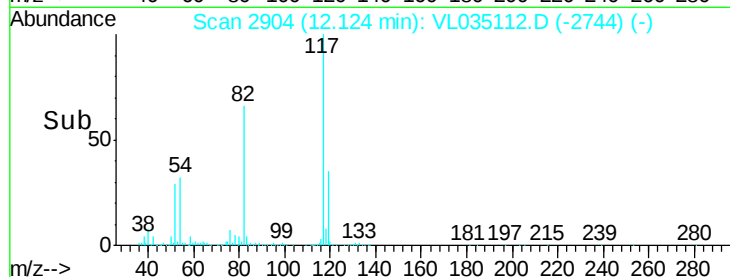
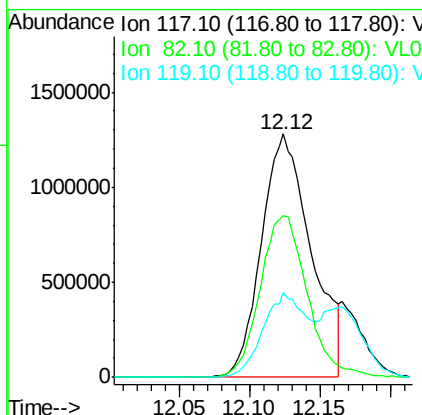
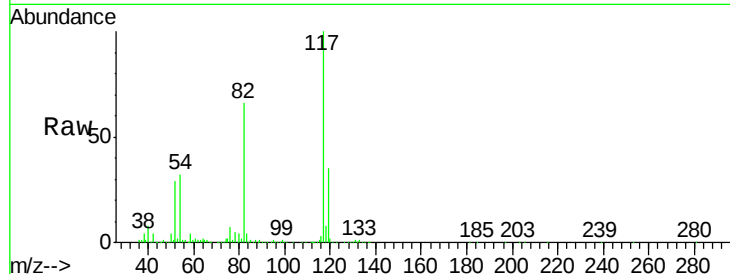
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	50.4	75.6
119	32.7	25.4	38.0

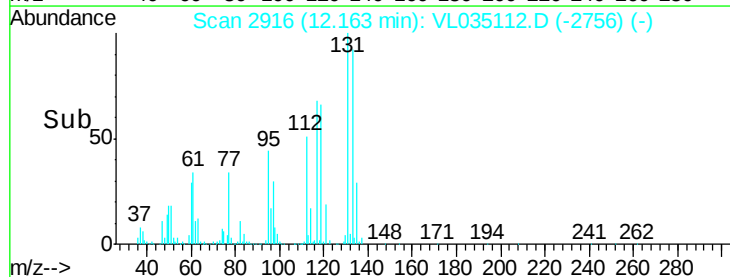
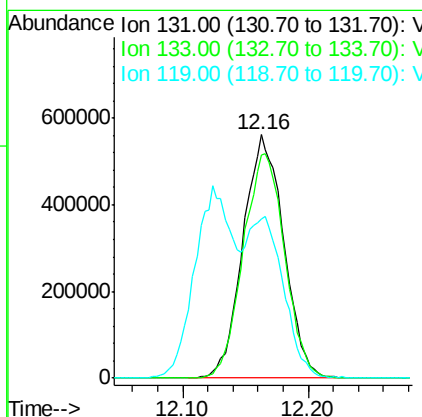
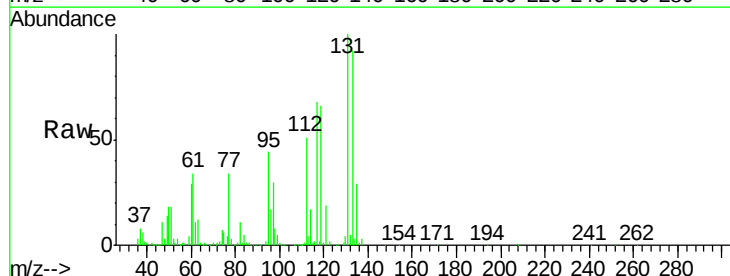
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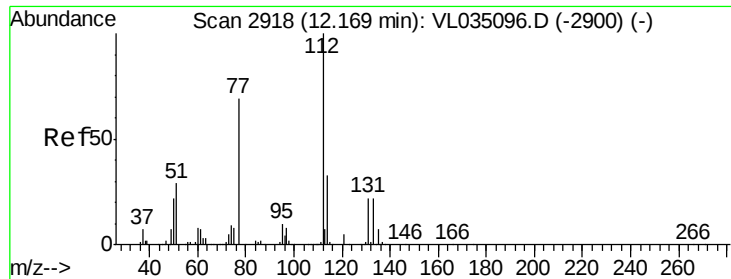
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.820 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	76.2	114.4
119	64.7	114.6	172.0#





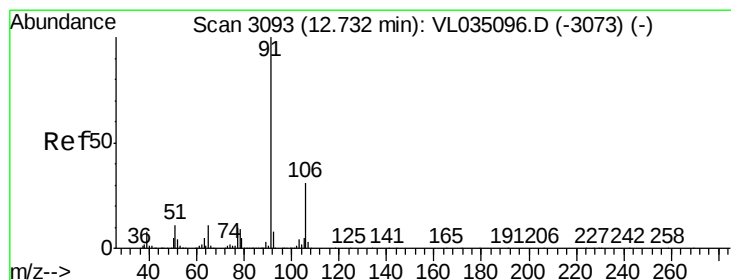
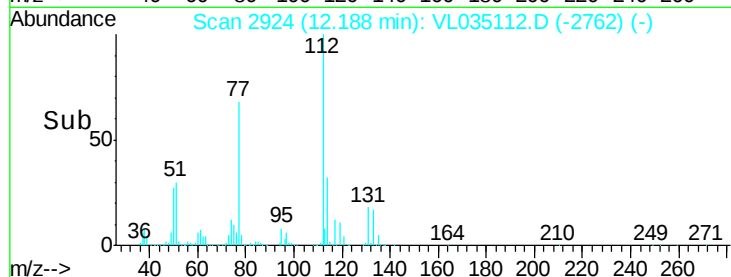
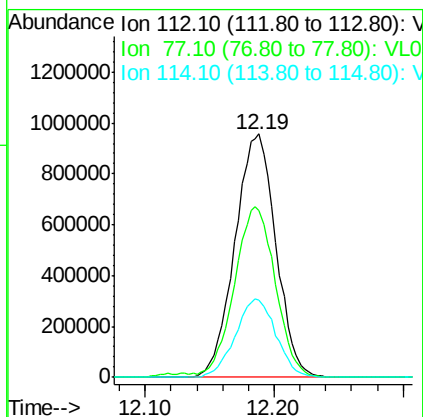
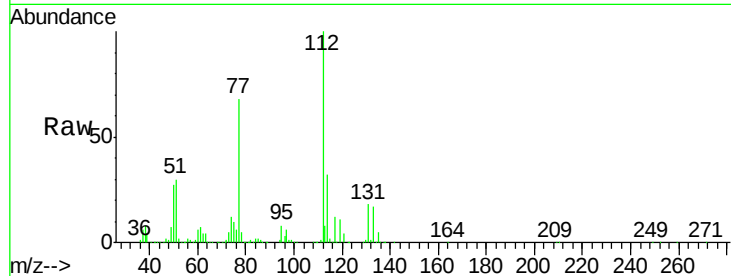
#57
Chlorobenzene
Concen: 9.047 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.3	56.7	85.1
114	31.9	29.3	35.9

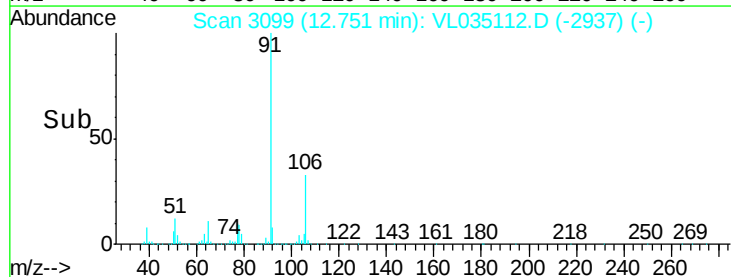
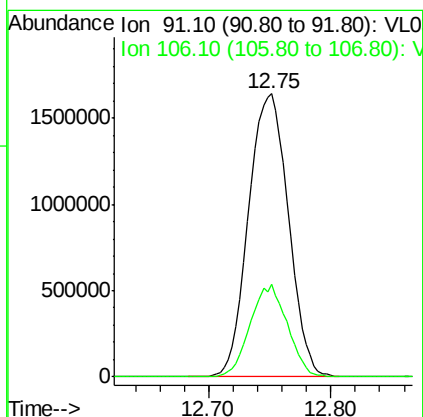
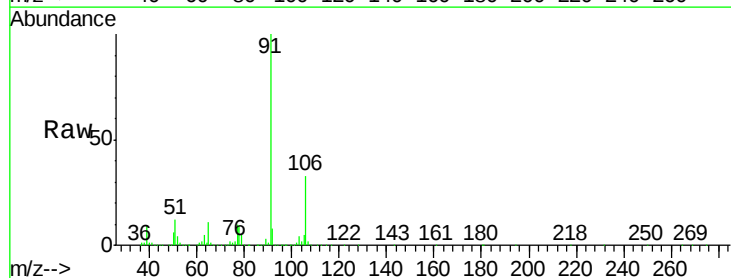
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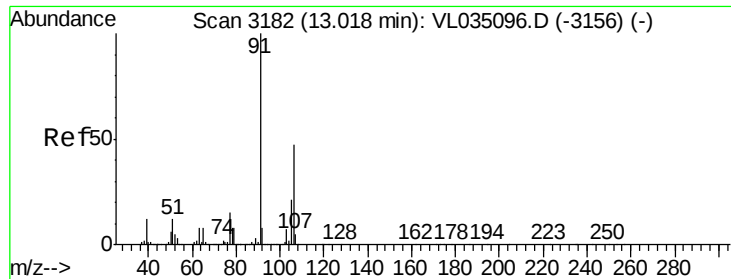
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#58
Ethyl Benzene
Concen: 10.503 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.7	25.0	37.6





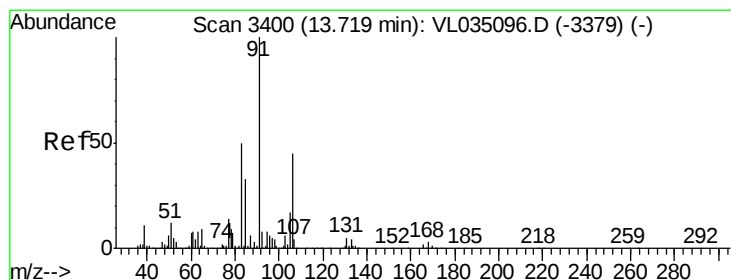
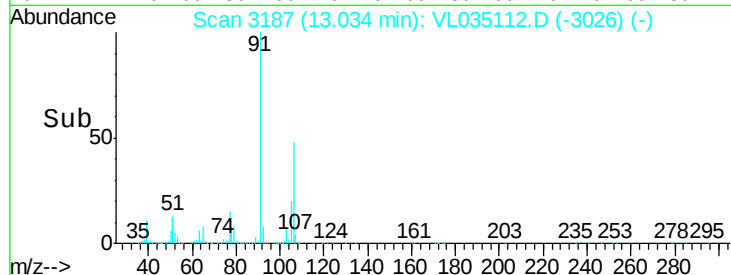
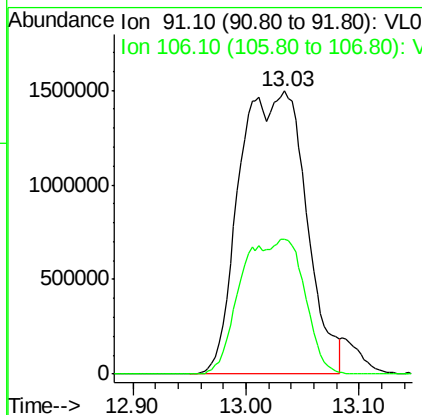
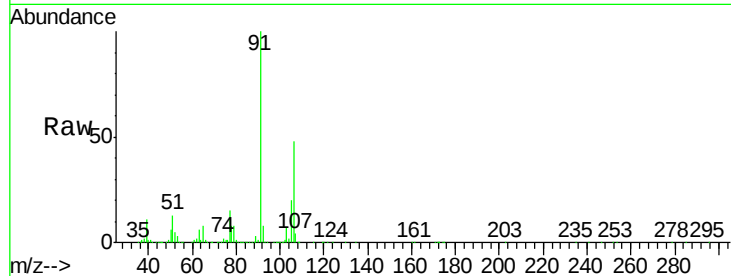
#59
m/p-Xylene
Concen: 19.604 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 91 Resp: 6138927
Ion Ratio Lower Upper
91 100
106 45.4 36.5 54.7

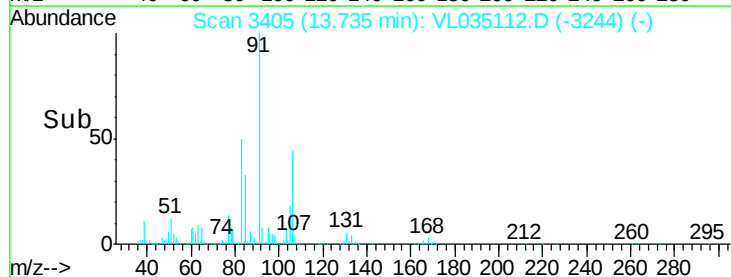
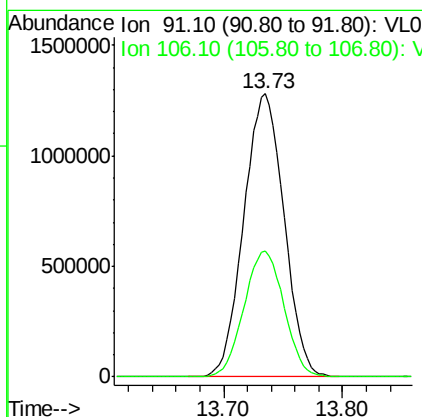
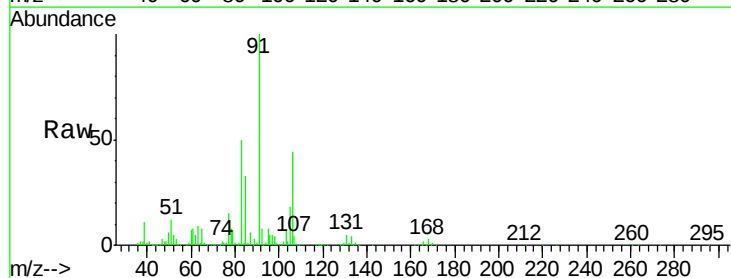
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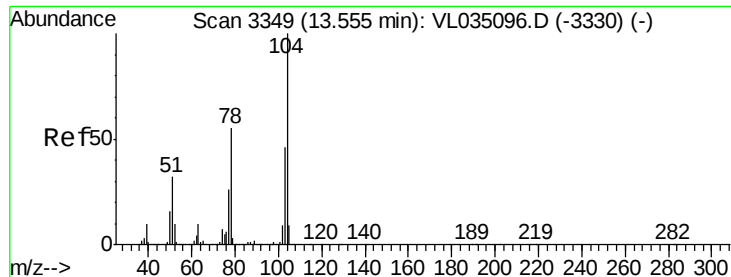
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#60
o-Xylene
Concen: 9.625 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion: 91 Resp: 3000623
Ion Ratio Lower Upper
91 100
106 44.2 22.1 66.5





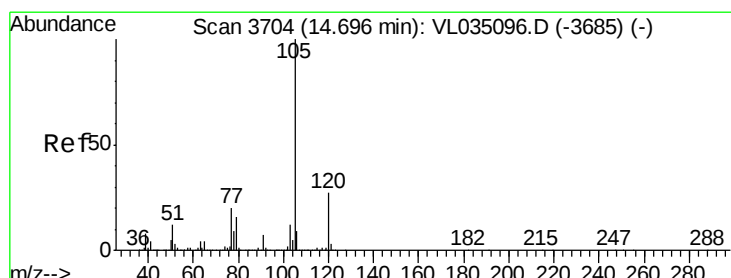
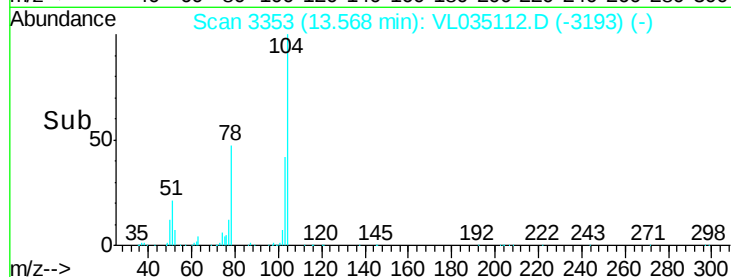
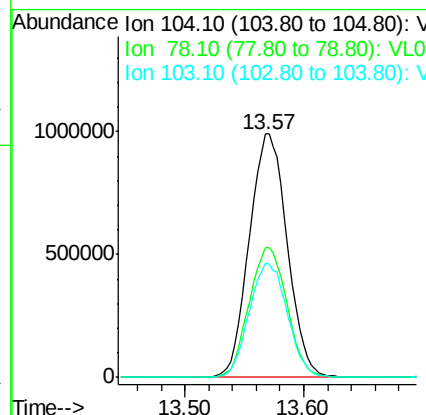
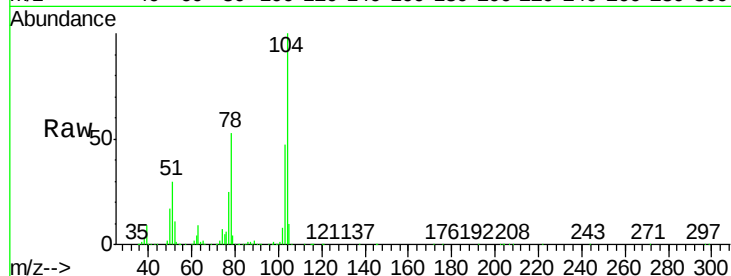
#61
Stvrene
Concen: 11.130 ppbv
RT: 13.57 min Scan# 3353
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.3	43.4	65.0
103	47.4	38.3	57.5

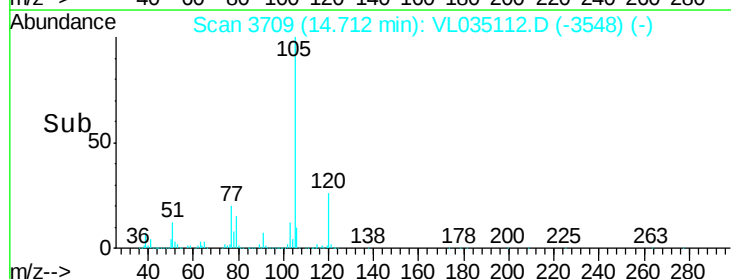
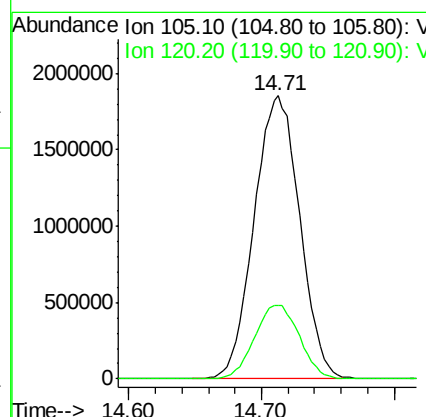
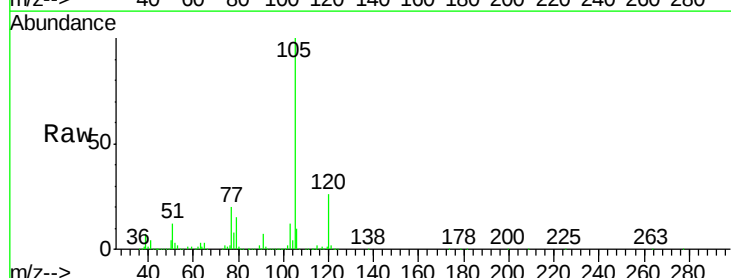
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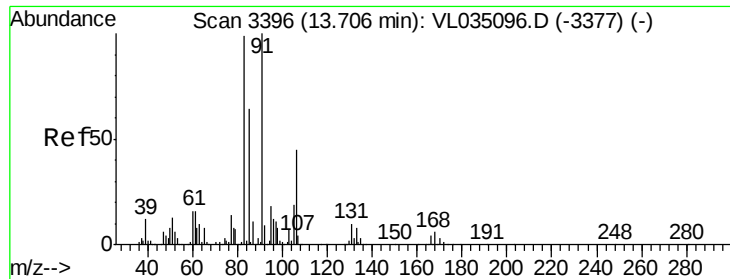
MMDadoda
6/23/2020 10:59:24 AM



#62
Isopropylbenzene
Concen: 9.533 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.8	31.2





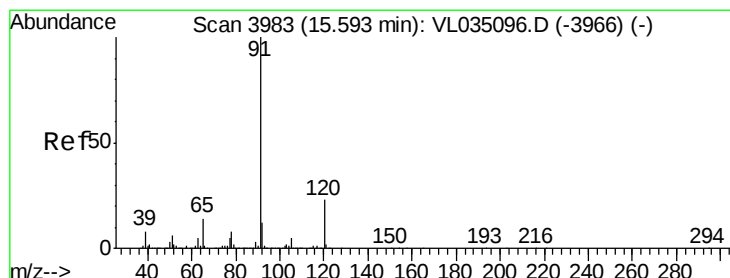
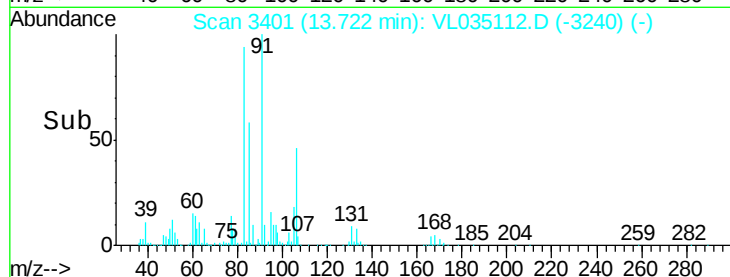
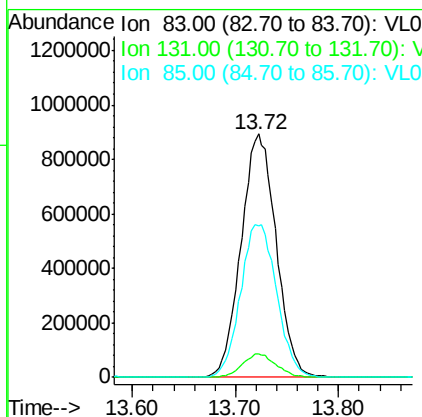
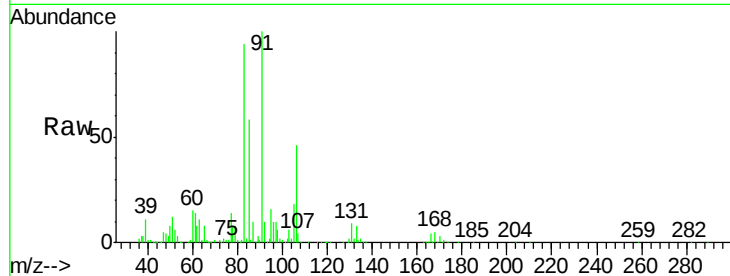
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.369 ppbv
 RT: 13.72 min Scan# 3401
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	64.7	32.4	97.0

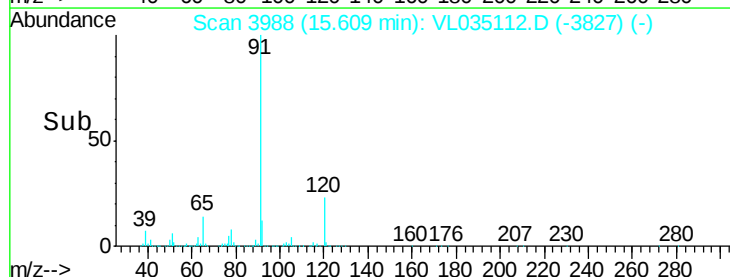
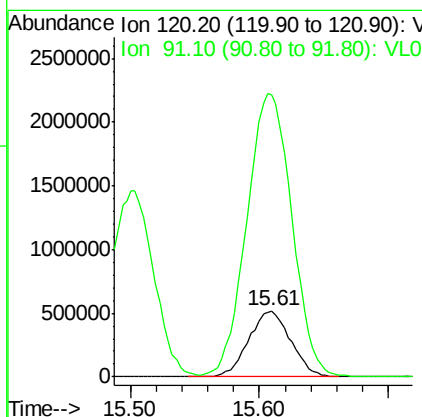
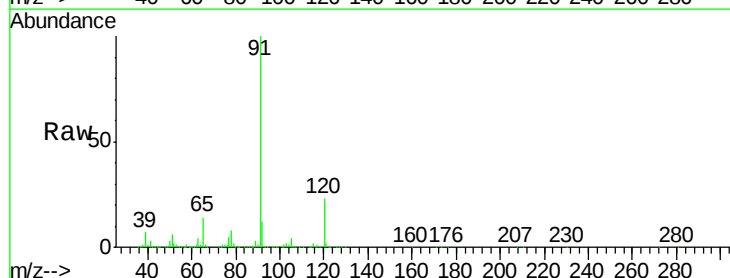
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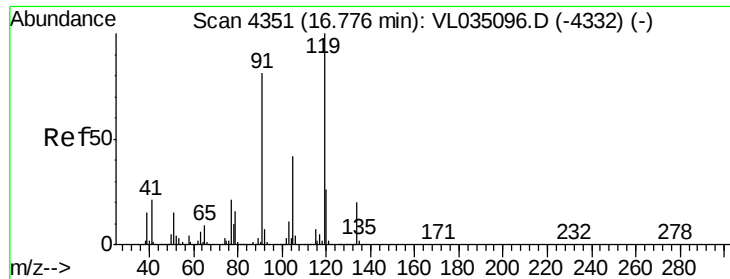
MMDadoda
 6/23/2020 10:59:24 AM



#64
 n-propylbenzene
 Concen: 9.881 ppbv
 RT: 15.61 min Scan# 3988
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion	Ratio	Lower	Upper
120	100		
91	462.1	367.9	551.9





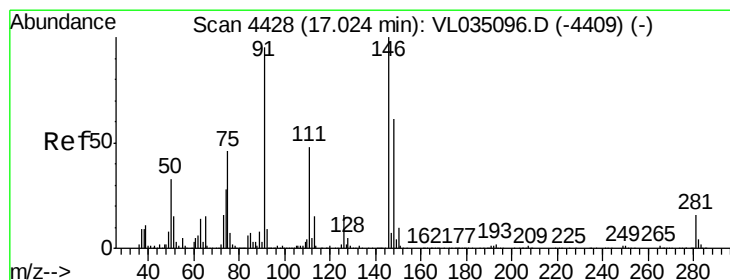
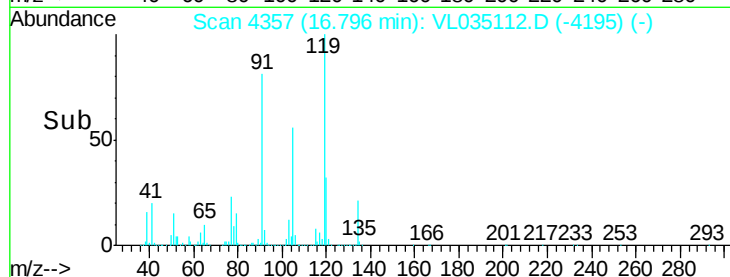
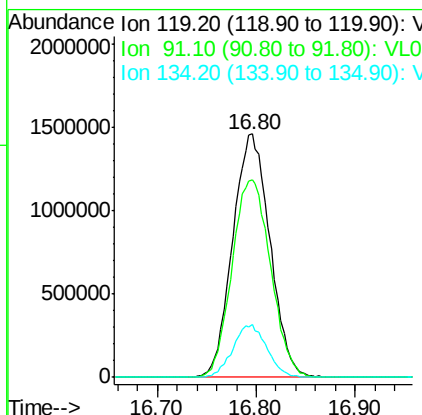
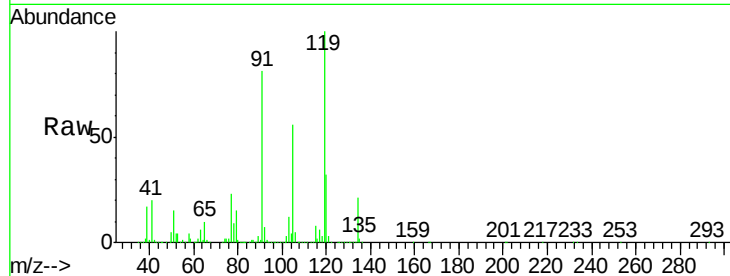
#65
tert-Butylbenzene
Concen: 9.596 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.1	67.6	101.4
134	19.8	15.7	23.5

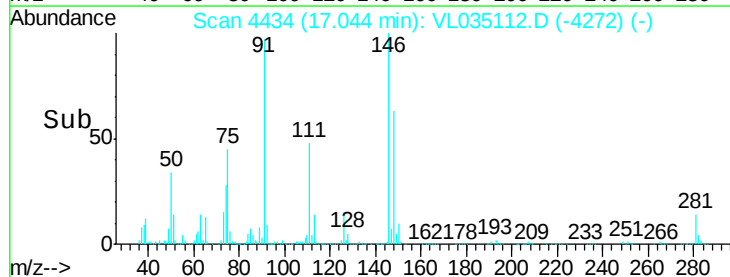
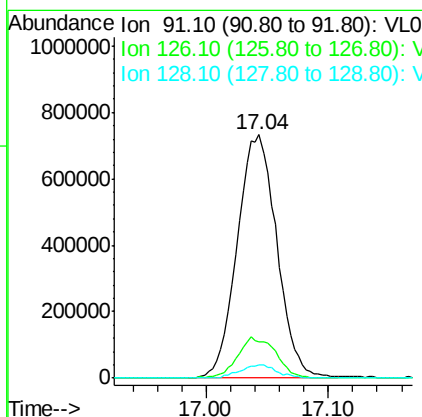
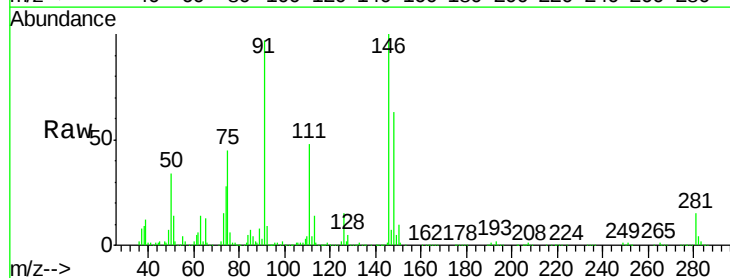
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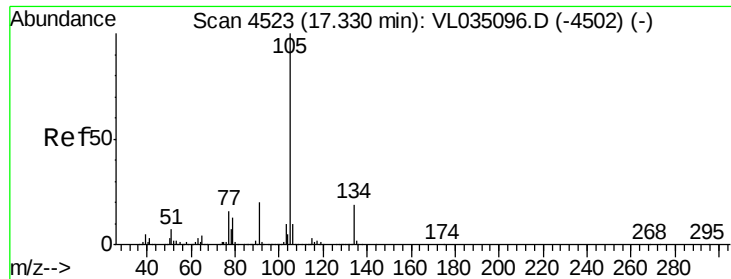
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#66
Benzyl Chloride
Concen: 13.278 ppbv
RT: 17.04 min Scan# 4434
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.5	20.3
128	5.2	4.3	6.5





#67

sec-Butylbenzene

Concen: 9.502 ppbv

RT: 17.34 min Scan# 4527

Delta R.T. 0.01 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 105 Resp: 5425185

Ion Ratio Lower Upper

105 100

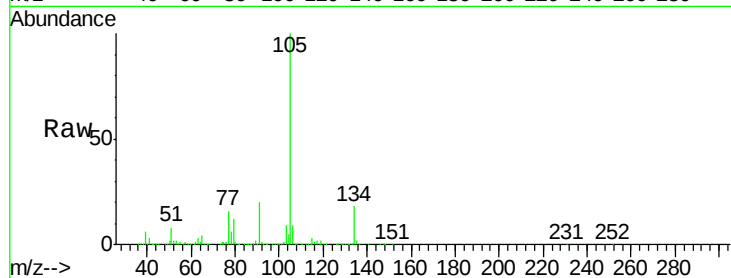
134 18.4 14.7 22.1

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

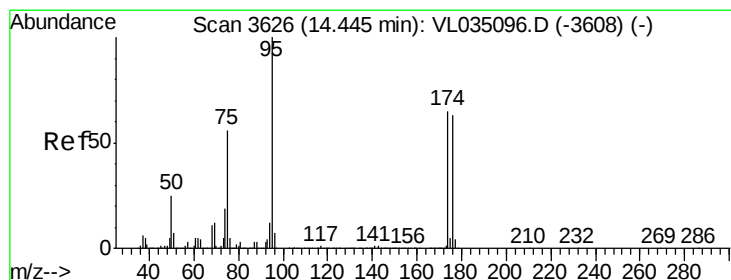
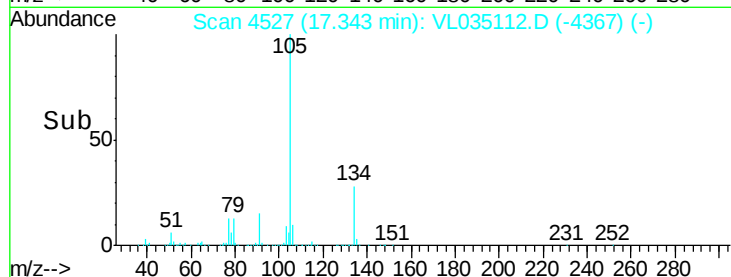
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.239 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

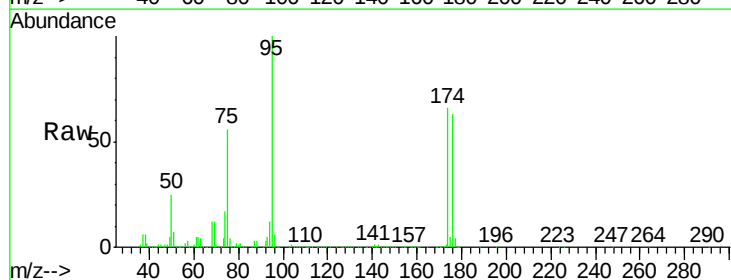
Tgt Ion: 95 Resp: 2413732

Ion Ratio Lower Upper

95 100

174 65.7 52.2 78.2

175 4.9 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

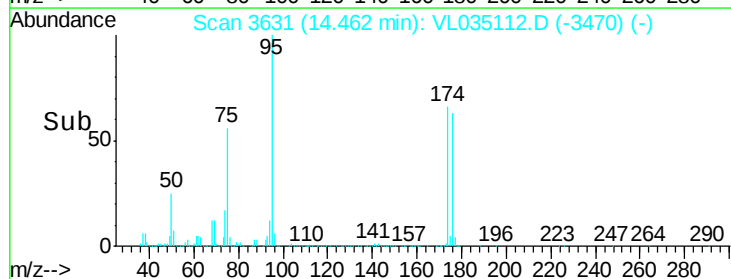
1000000

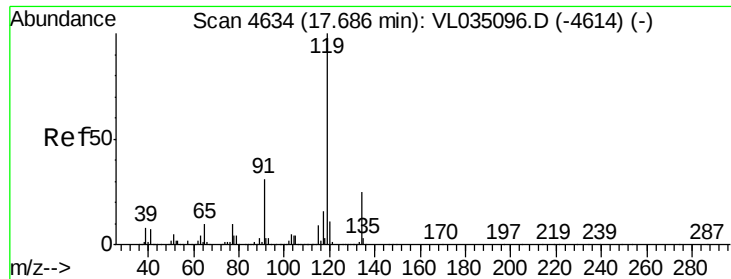
500000

0

14.40 14.50

Time-->





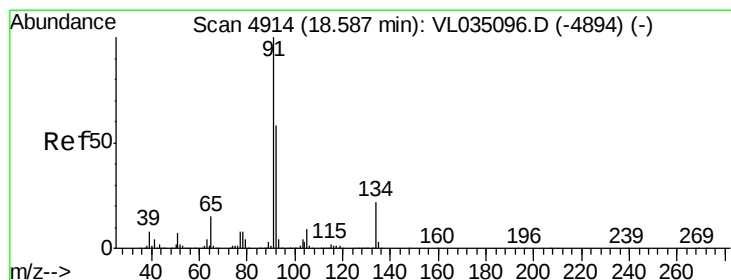
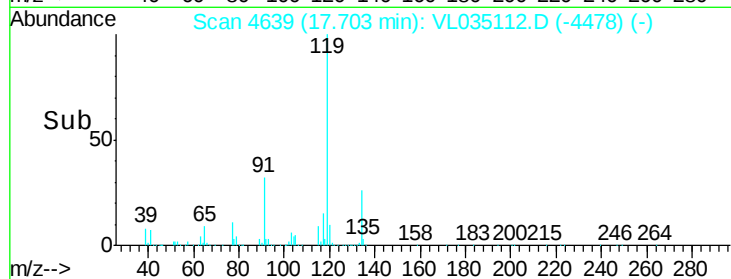
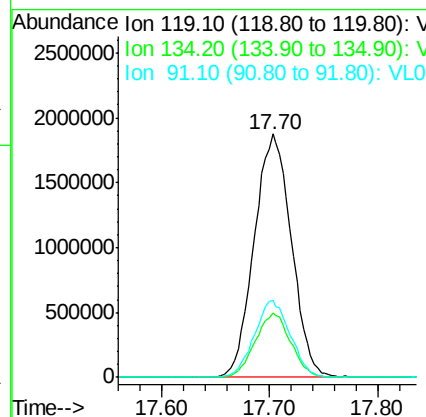
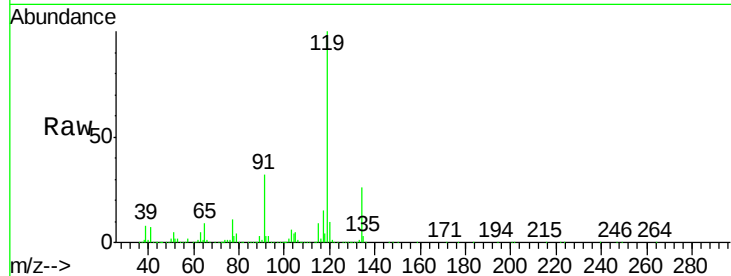
#69
 p-Isopropyltoluene
 Concen: 9.847 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	30.4	24.5	36.7

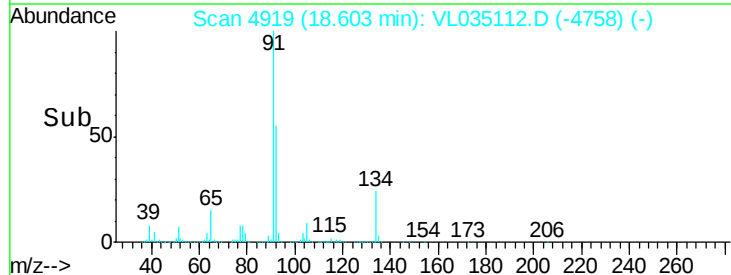
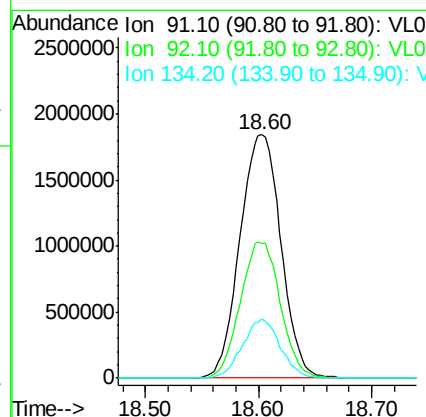
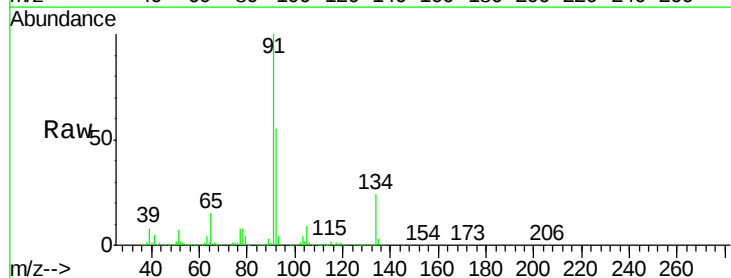
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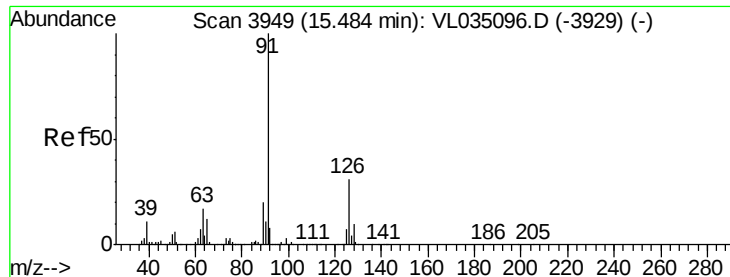
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#70
 n-Butylbenzene
 Concen: 9.425 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.4	66.6
134	22.5	18.0	27.0





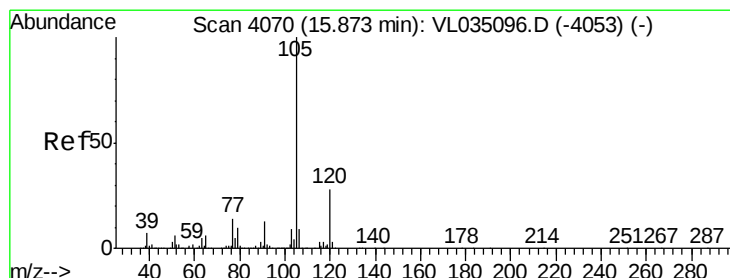
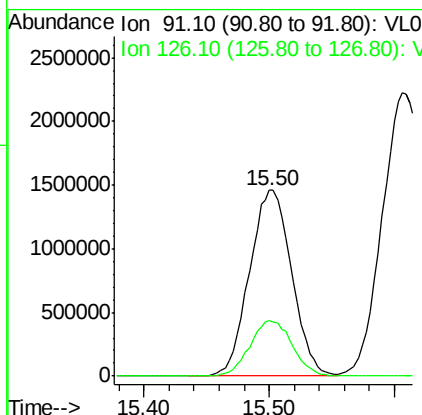
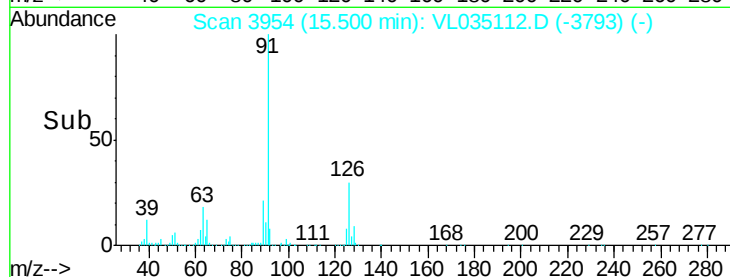
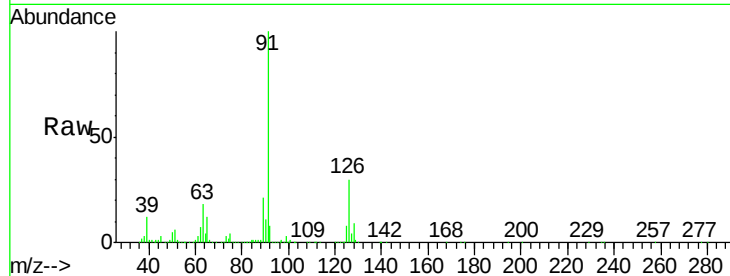
#71
2-Chlorotoluene
Concen: 9.715 ppbv
RT: 15.50 min Scan# 3954
Delta R.T. 0.02 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 91 Resp: 3416176
Ion Ratio Lower Upper
91 100
126 30.0 12.0 48.0

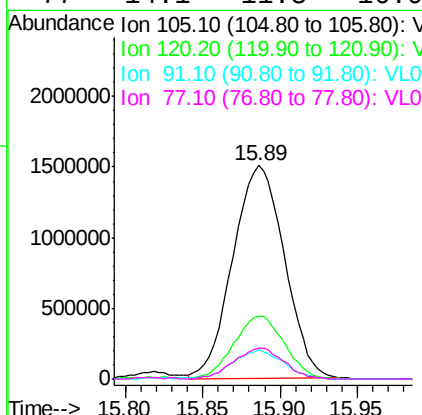
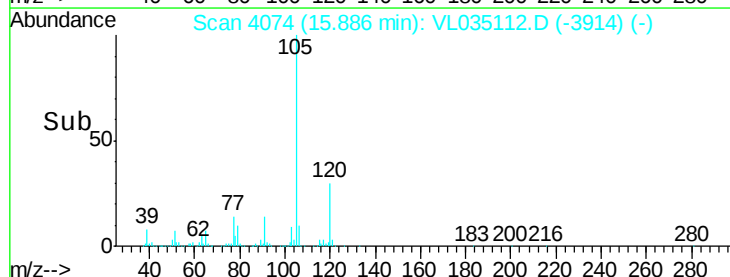
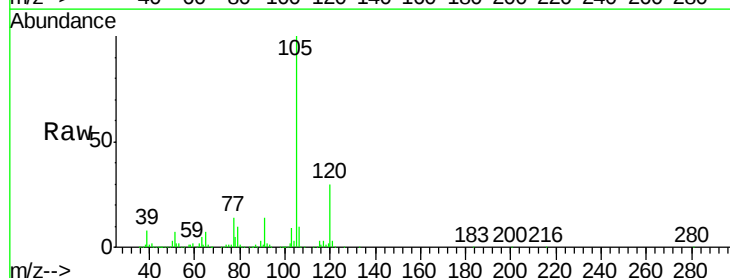
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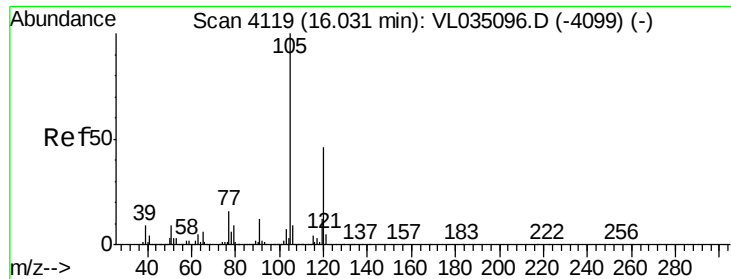
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#72
4-Ethyltoluene
Concen: 10.061 ppbv
RT: 15.89 min Scan# 4074
Delta R.T. 0.01 min
Lab File: VL035112.D
Acq: 22 Jun 2020 15:54

Tgt Ion: 105 Resp: 3489368
Ion Ratio Lower Upper
105 100
120 29.3 23.4 35.0
91 13.5 10.6 16.0
77 14.1 11.3 16.9





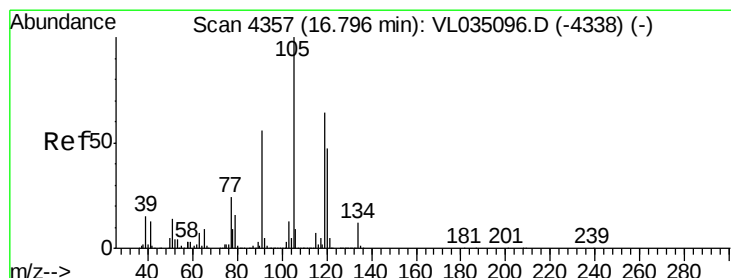
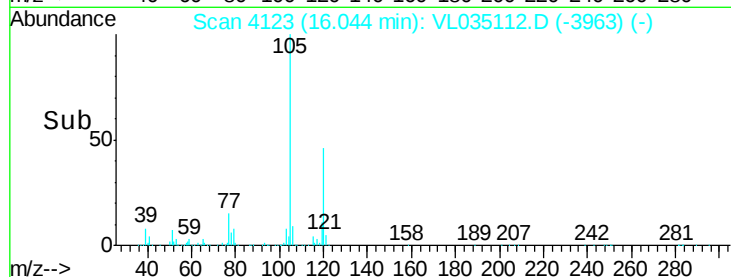
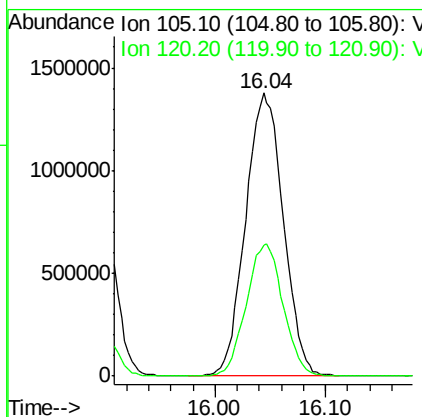
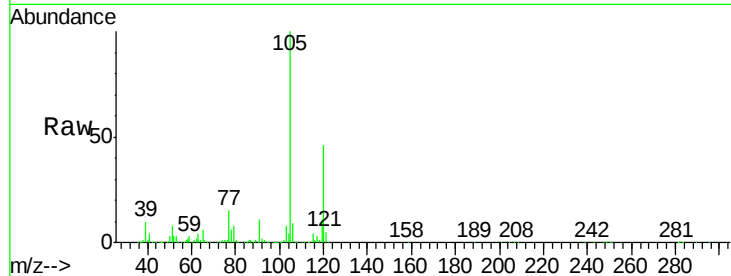
#73
 1,3,5-Trimethylbenzene
 Concen: 9.923 ppbv
 RT: 16.04 min Scan# 4123
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion:105 Resp: 3253199
 Ion Ratio Lower Upper
 105 100
 120 46.1 37.0 55.6

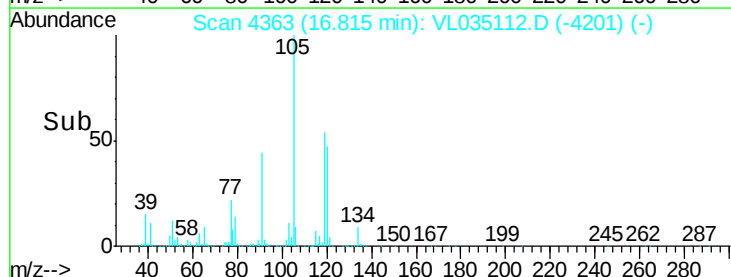
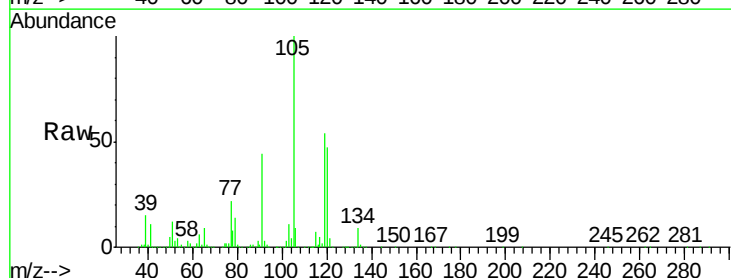
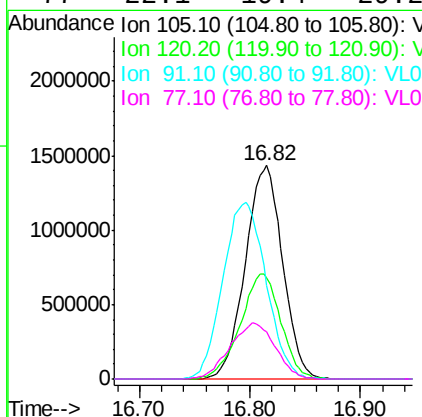
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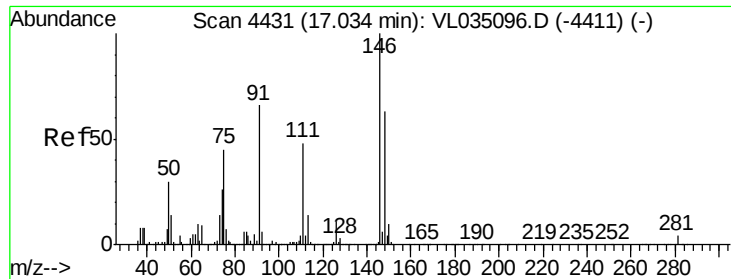
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.168 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion:105 Resp: 3354523
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.9 56.9
 91 43.8 46.0 69.0#
 77 22.1 19.4 29.2





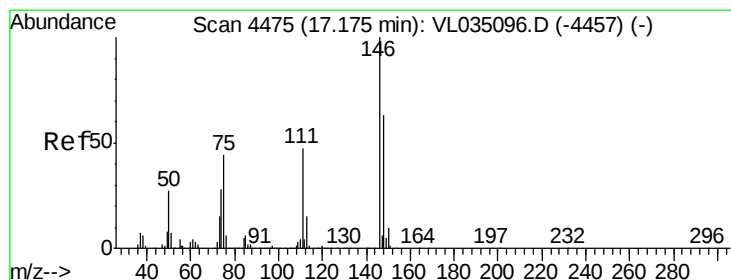
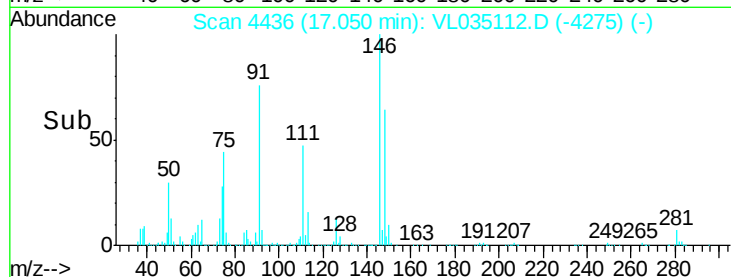
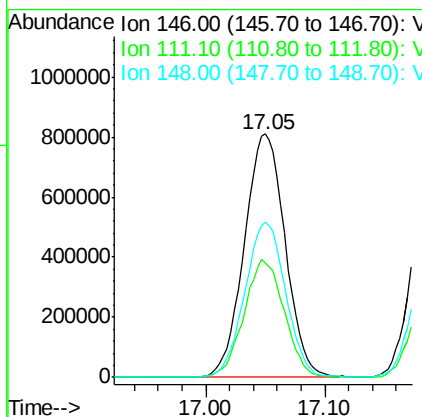
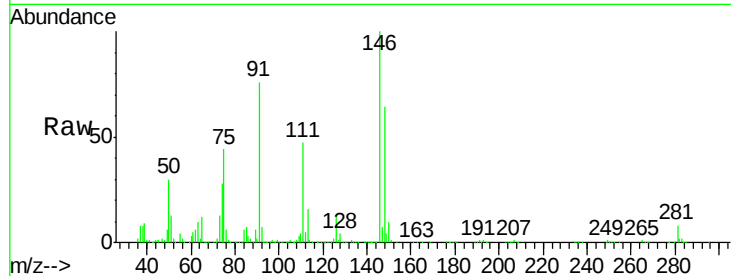
#75
 1,3-Dichlorobenzene
 Concen: 8.817 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.1	72.4
148	63.8	32.3	96.8

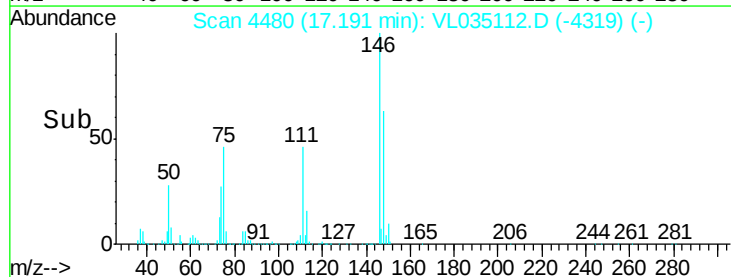
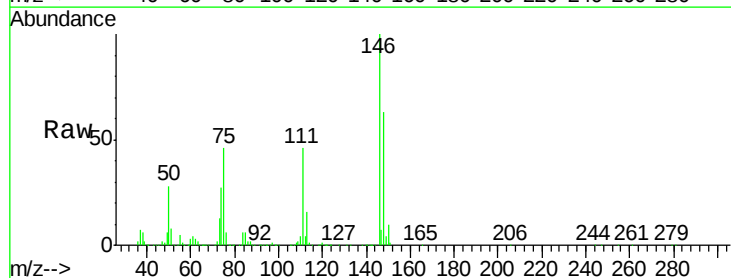
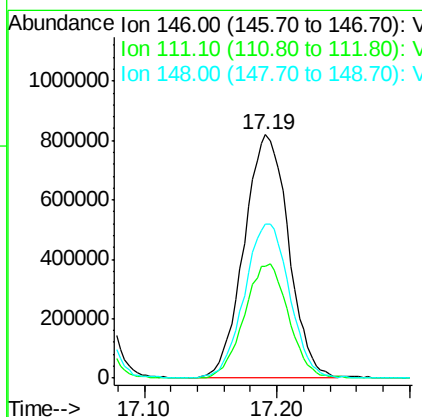
Manual Integrations
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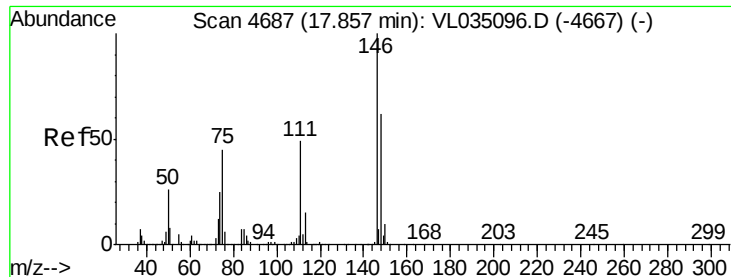
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#76
 1,4-Dichlorobenzene
 Concen: 9.181 ppbv
 RT: 17.19 min Scan# 4480
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.5	70.5
148	64.4	32.0	96.2





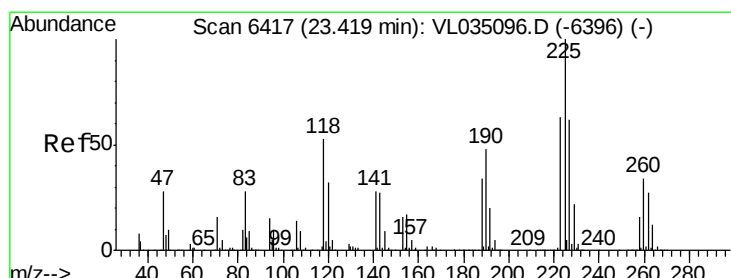
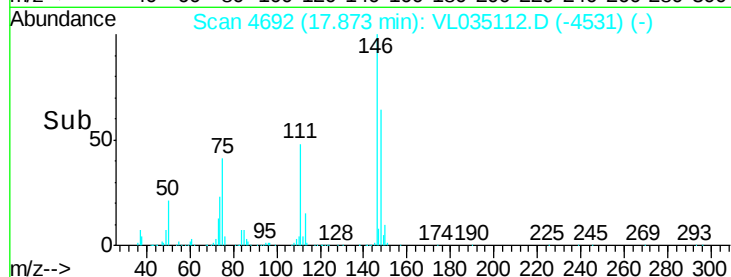
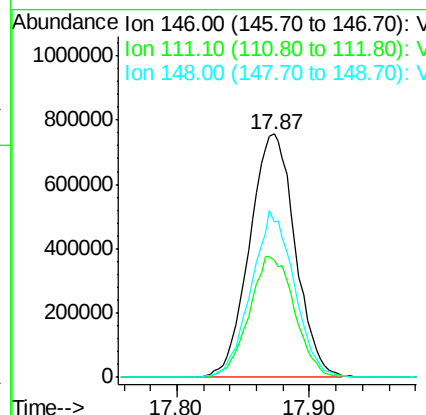
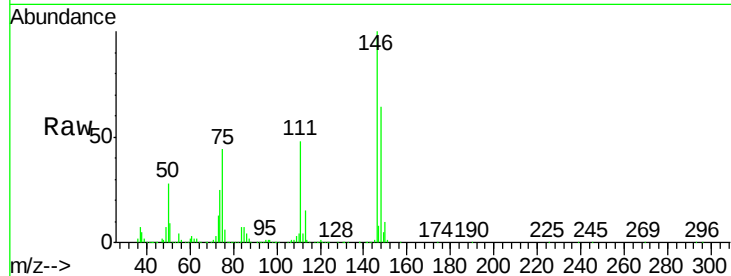
#77
 1,2-Dichlorobenzene
 Concen: 9.050 ppbv
 RT: 17.87 min Scan# 4692
 Delta R.T. 0.02 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion:146 Resp: 1808211
 Ion Ratio Lower Upper
 146 100
 111 49.7 25.0 75.0
 148 64.5 32.3 96.8

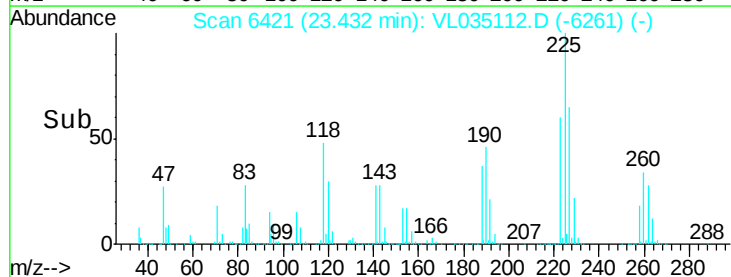
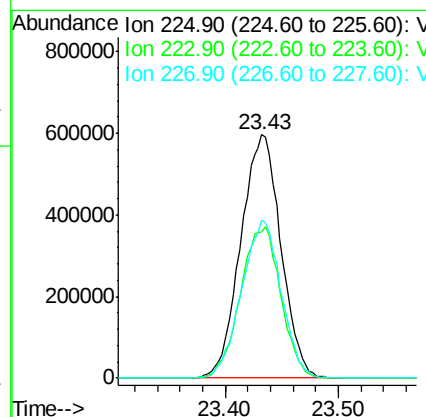
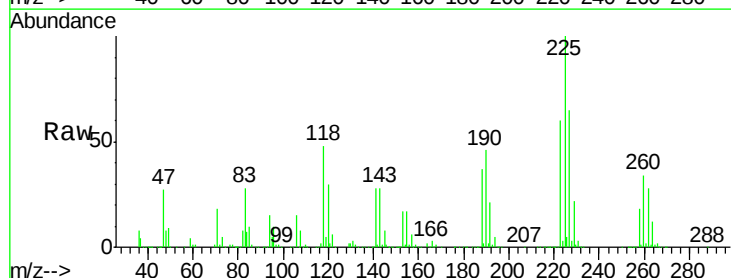
Manual Integrations
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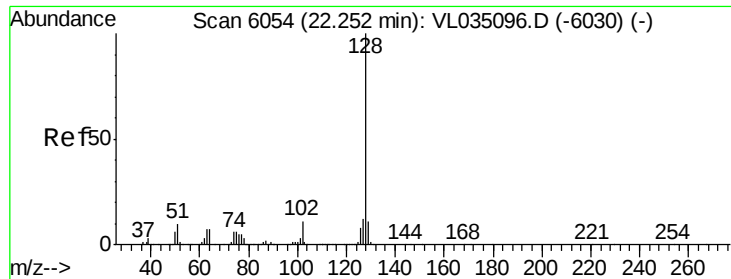
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.170 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Tgt Ion:225 Resp: 1467310
 Ion Ratio Lower Upper
 225 100
 223 62.5 51.4 77.0
 227 64.0 51.8 77.8





#79

Naphthalene

Concen: 10.193 ppbv

RT: 22.27 min Scan# 6061

Delta R.T. 0.02 min

Lab File: VL035112.D

Acq: 22 Jun 2020 15:54

Instrument :

MSVOA_L

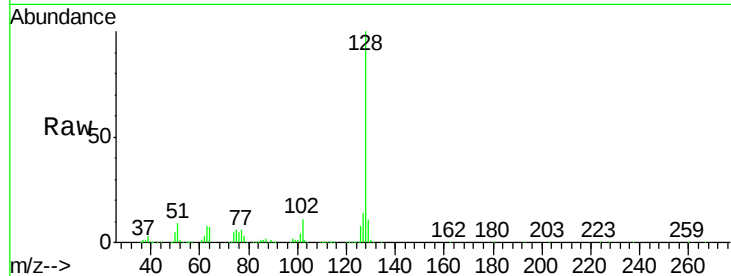
ClientSampleId :

VL0622ABS01

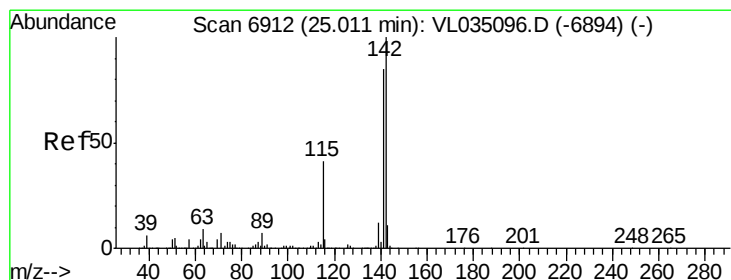
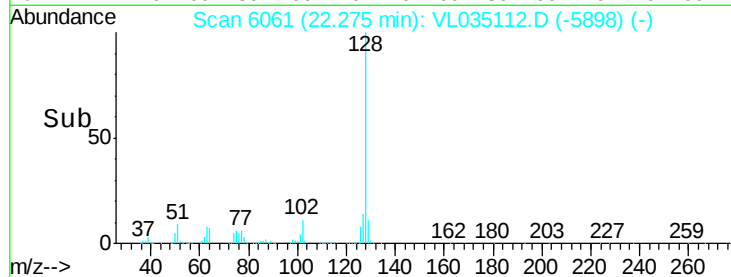
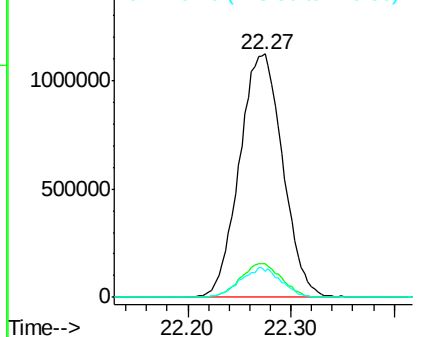
Tot Ion:	128	Resp:	3269706
Ion	Ratio	Lower	Upper
128	100		
127	13.6	9.9	14.9
129	10.5	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:24 AM



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: 12.750 ppbv

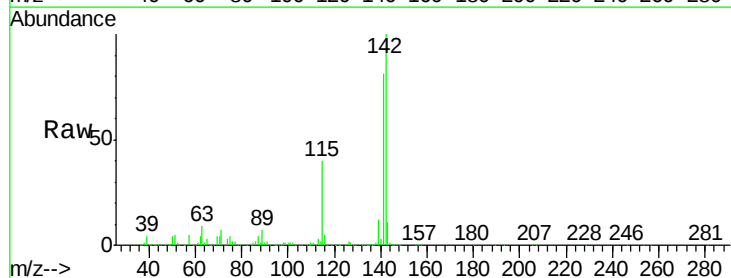
RT: 25.02 min Scan# 6915

Delta R.T. 0.01 min

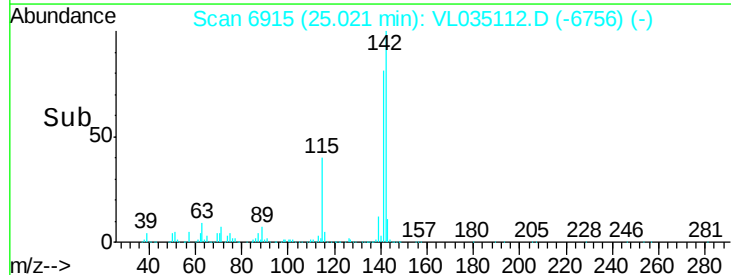
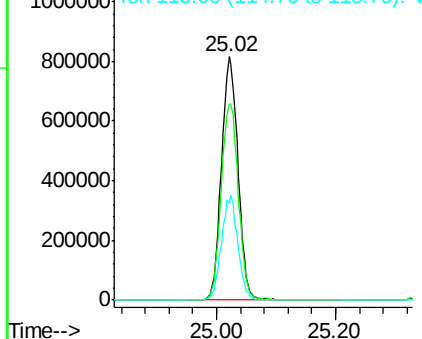
Lab File: VL035112.D

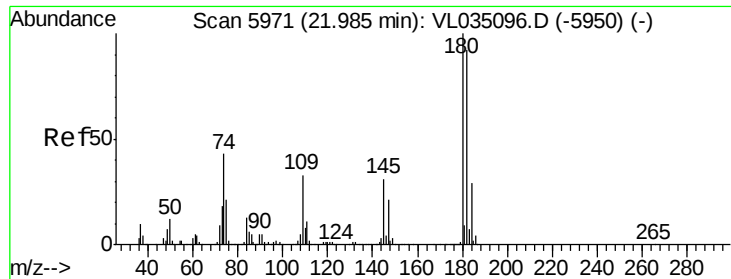
Acq: 22 Jun 2020 15:54

Tgt Ion:	142	Resp:	1563850
Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.5	101.3
115	42.7	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: 9.521 ppbv m
 RT: 22.00 min Scan# 5974
 Delta R.T. 0.01 min
 Lab File: VL035112.D
 Acq: 22 Jun 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.9	116.9
184	30.6	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:24 AM

