

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034702.D
 Acq On : 27 Feb 2020 00:32
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 5:20:21 PM

Quant Time: Feb 27 08:49:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 27 2020
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1008752	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.21	114	2118686	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	2241901	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1799835	9.79	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1331526	8.367	ppbv	96
3) Chlorodifluoromethane	2.97	51	1060290	9.740	ppbv	99
4) Chloromethane	3.12	50	600564	9.855	ppbv	91
5) Vinyl Chloride	3.24	62	587266	9.823	ppbv	98
6) Bromomethane	3.46	94	348585	9.952	ppbv	97
7) Chloroethane	3.54	64	216801	9.768	ppbv	92
8) Dichlorotetrafluoroethane	3.17	85	1319970	9.378	ppbv	100
9) Propene	2.99	41	452136	9.936	ppbv	99
10) Heptane	8.16	43	1204467	10.283	ppbv	99
11) Trichlorofluoromethane	3.94	101	1359834	9.756	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	940951	9.577	ppbv	99
13) Ethanol	3.60	45	143870	10.008	ppbv	96
14) Bromoethene	3.73	108	412862	10.072	ppbv	99
15) Acetone	3.84	43	1110779	9.663	ppbv	99
16) 1,3-Butadiene	3.31	39	534890	10.052	ppbv	99
17) tert-Butyl alcohol	4.29	59	1076411	12.220	ppbv	100
18) 1,1-Dichloroethene	4.29	96	438074	9.932	ppbv	91
19) Isopropyl Alcohol	3.96	45	795932	11.625	ppbv #	99
20) Methylene Chloride	4.34	84	376051	8.796	ppbv	92
21) Allyl Chloride	4.41	41	774361	10.182	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	435621	10.129	ppbv	95
23) Vinyl Acetate	5.09	43	1696728	10.858	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1212909	9.719	ppbv	99
25) Ethyl Acetate	5.70	43	2050496	10.077	ppbv	99
26) Hexane	5.71	57	919892	9.809	ppbv	98
27) Carbon Disulfide	4.56	76	1121234	10.532	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1425400	10.639	ppbv	99
29) Chloroform	5.77	83	1425959	9.543	ppbv	99
30) Cyclohexane	7.17	84	766010	10.539	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	955768	10.356	ppbv	93
32) 1,1,1-Trichloroethane	6.54	97	1394894	9.997	ppbv	99
34) 2-Butanone	5.26	43	1345546	10.090	ppbv	98
35) Carbon Tetrachloride	7.05	117	1420601	10.012	ppbv	100
36) Benzene	6.92	78	1814578	9.916	ppbv	96
37) 1,2-Dichloroethane	6.34	62	1154933	10.012	ppbv	100
38) Trichloroethene	7.88	130	674804	9.567	ppbv	97
39) 1,2-Dichloropropane	7.65	63	734479	10.089	ppbv	96
40) 1,4-Dioxane	7.87	88	279708m	11.298	ppbv	
41) Tetrahydrofuran	6.07	42	746169	10.601	ppbv	100
42) Bromodichloromethane	7.83	83	1522807	10.084	ppbv	98
43) Methyl Methacrylate	8.05	69	830650	10.792	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3150892	9.852	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	989420	11.780	ppbv	98
46) cis-1,3-Dichloropropene	8.75	75	1139450	11.312	ppbv	99
47) 1,1,2-Trichloroethane	9.53	97	732737	9.811	ppbv	99
48) Dibromochloromethane	10.36	129	1195023	10.290	ppbv	98
49) Bromoform	13.11	173	1026866	10.198	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	1983354	10.500	ppbv	100
51) 2-Hexanone	10.18	43	1613584	10.855	ppbv	99
52) Tetrachloroethene	11.28	164	621430	9.265	ppbv	97
53) Toluene	9.86	91	2053044	10.549	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1110105	9.963	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.19	131	900846	9.435	ppbv	98
57) Chlorobenzene	12.21	112	1487068	8.974	ppbv	98
58) Ethyl Benzene	12.78	91	2715882m	10.013	ppbv	
59) m/p-Xylene	13.06	91	4527447m	19.138	ppbv	
60) o-Xylene	13.76	91	2206991	9.401	ppbv	100
61) Styrene	13.60	104	1571671	10.422	ppbv	98
62) Isopropylbenzene	14.74	105	3189885	9.315	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1555596	8.502	ppbv	100
64) n-propylbenzene	15.63	120	830760	9.410	ppbv	94
65) tert-Butylbenzene	16.82	119	2749525	9.298	ppbv	99
66) Benzyl Chloride	17.07	91	1250709	11.339	ppbv	99
67) sec-Butylbenzene	17.37	105	3958470	9.303	ppbv	99
69) p-Isopropyltoluene	17.73	119	3277047	9.356	ppbv	100
70) n-Butylbenzene	18.63	91	3574277	9.371	ppbv	100
71) 2-Chlorotoluene	15.52	91	2489676	9.387	ppbv	100
72) 4-Ethyltoluene	15.91	105	2559767	9.797	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2428624	9.662	ppbv	96
74) 1,2,4-Trimethylbenzene	16.84	105	2548097	9.179	ppbv	93
75) 1,3-Dichlorobenzene	17.07	146	1434876	8.955	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1445321	9.015	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1426121	9.206	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1267928	9.400	ppbv	99
79) Naphthalene	22.30	128	2562998	10.491	ppbv	98
80) Naphthalene, 2-methyl-	25.05	142	1107501	14.698	ppbv	97
81) 1,2,4-Trichlorobenzene	22.03	180	1450242	9.946	ppbv	99

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

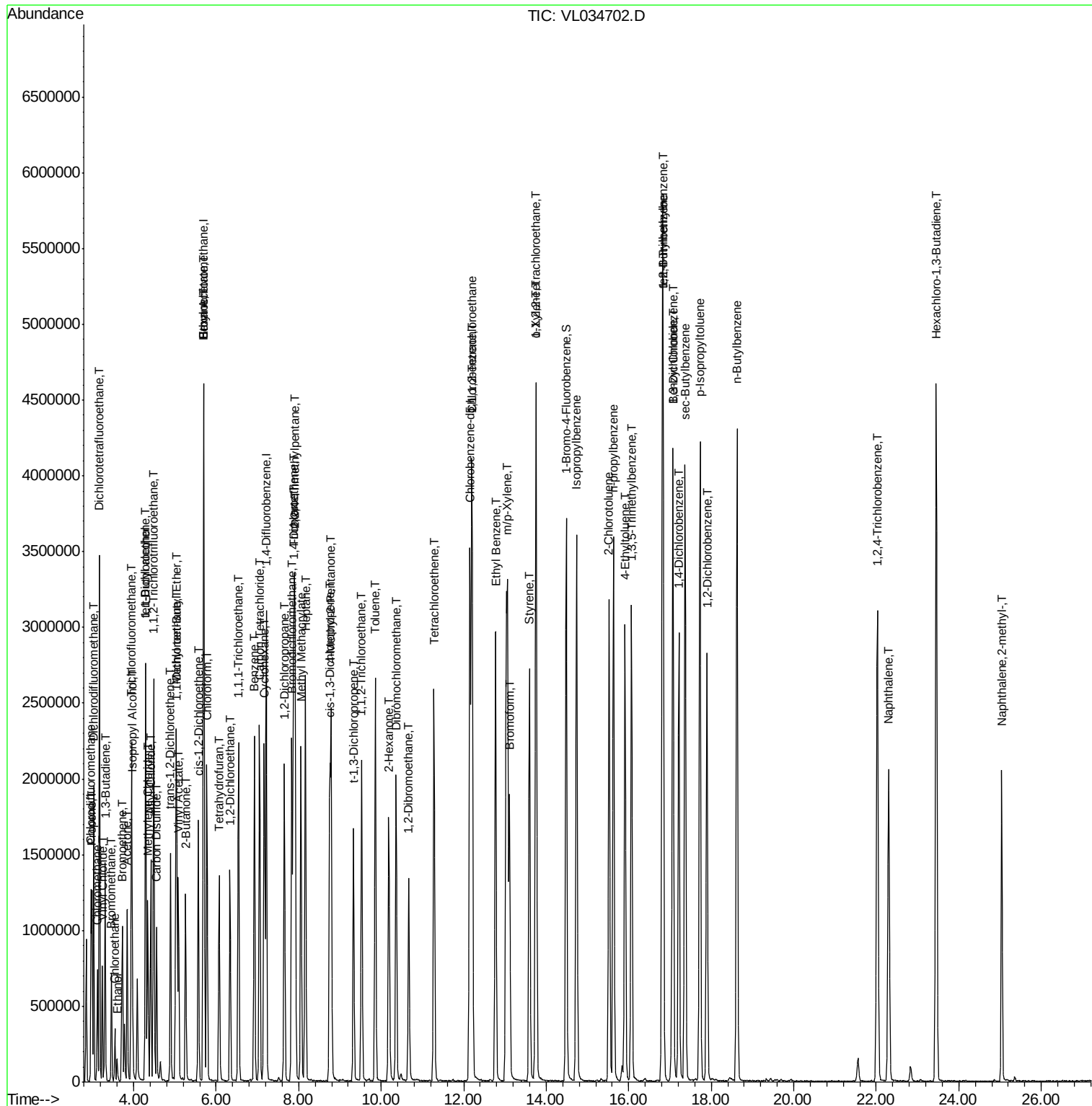
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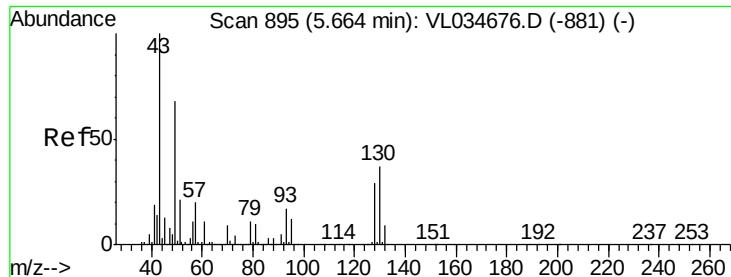
Instrument :
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1008752

Ion Ratio Lower Upper

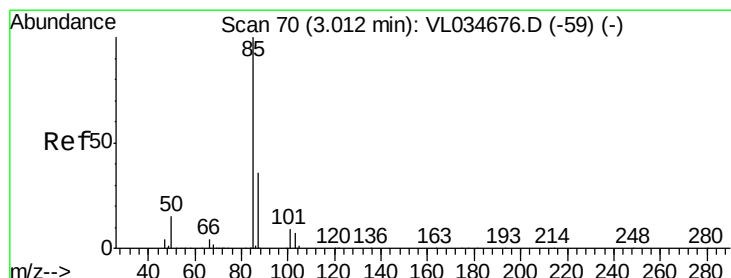
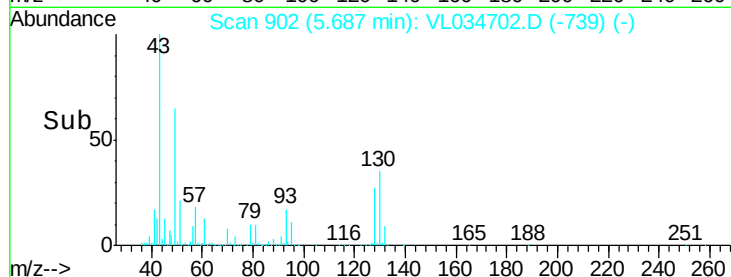
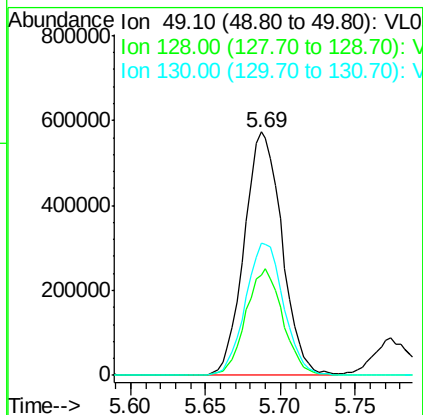
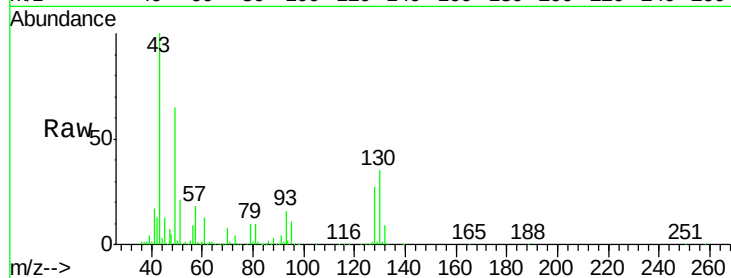
49 100

128 42.7 21.6 65.0

130 55.3 27.7 83.1

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 8.367 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL034702.D

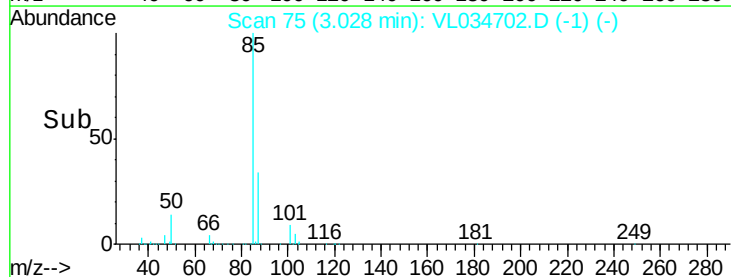
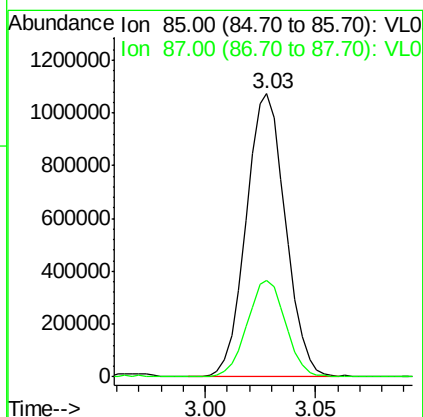
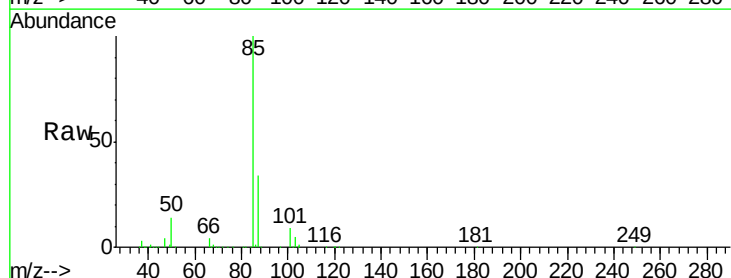
Acq: 27 Feb 2020 00:32

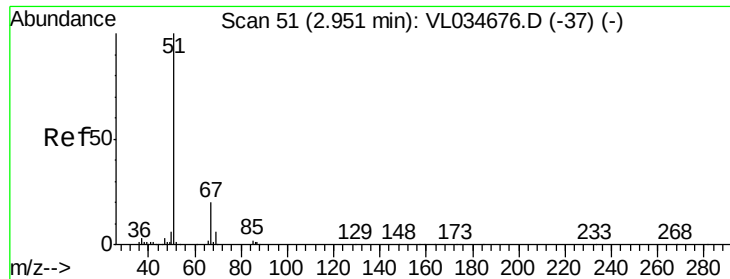
Tgt Ion: 85 Resp: 1331526

Ion Ratio Lower Upper

85 100

87 34.2 29.2 43.8





#3

Chlorodifluoromethane

Concen: 9.740 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.02 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Tot Ion: 51 Resp: 1060290

Ion Ratio Lower Upper

51 100

67 19.1 15.5 23.3

Instrument :

MSVOA_L

ClientSampleId :

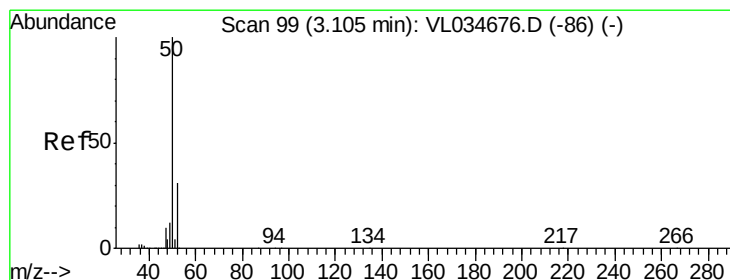
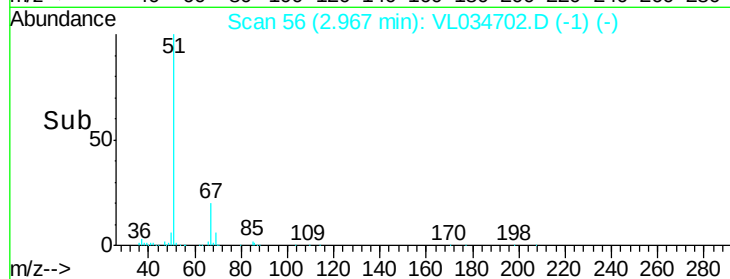
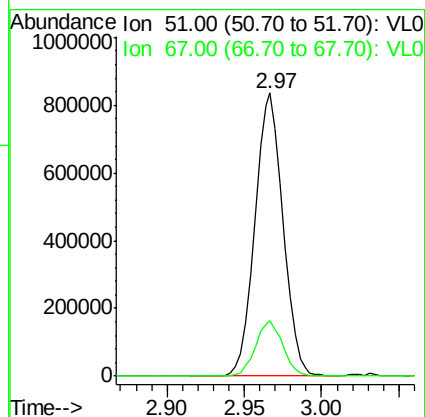
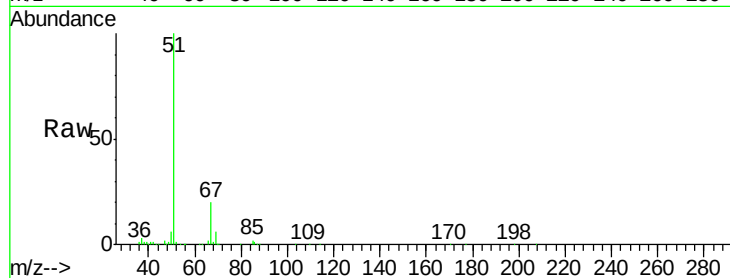
VSTDCCC010EC

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#4

Chloromethane

Concen: 9.855 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.02 min

Lab File: VL034702.D

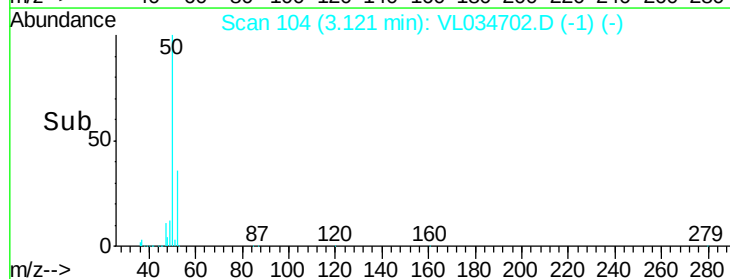
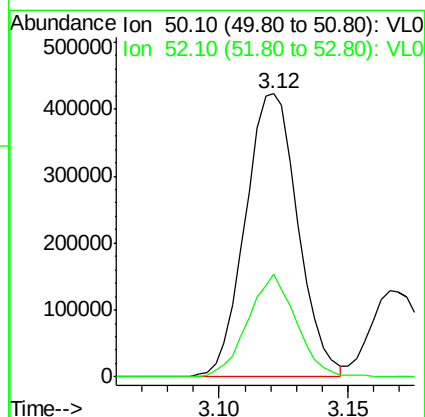
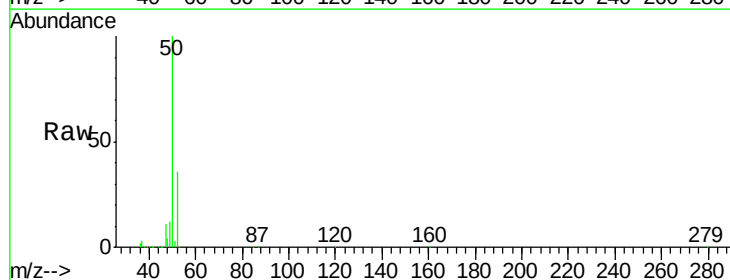
Acq: 27 Feb 2020 00:32

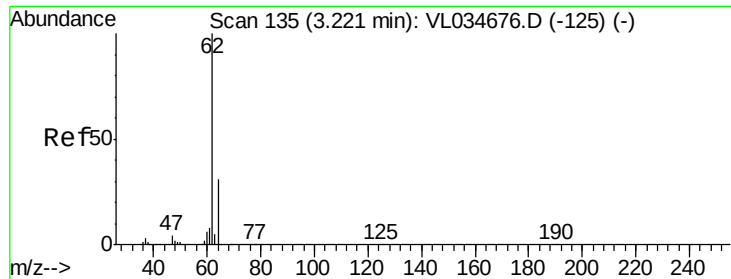
Tgt Ion: 50 Resp: 600564

Ion Ratio Lower Upper

50 100

52 36.2 25.0 37.4





#5

Vinyl Chloride

Concen: 9.823 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.02 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 587266

Ion Ratio Lower Upper

62 100

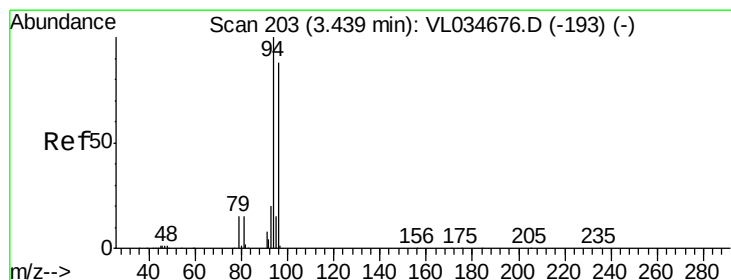
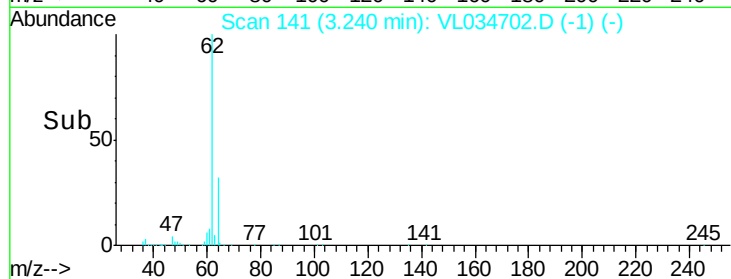
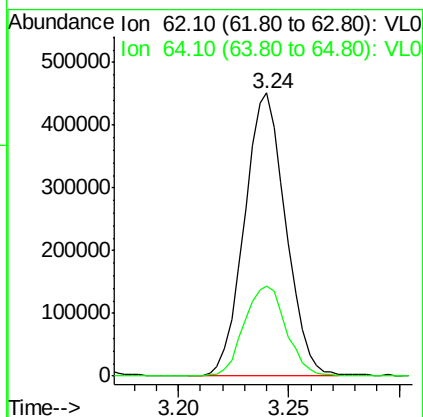
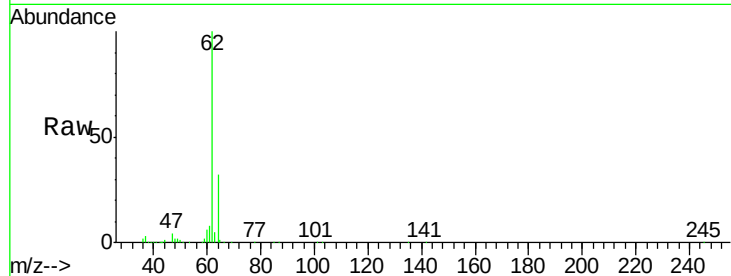
64 32.0 24.7 37.1

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#6

Bromomethane

Concen: 9.952 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL034702.D

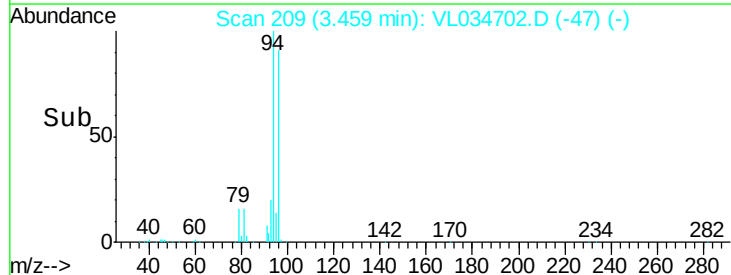
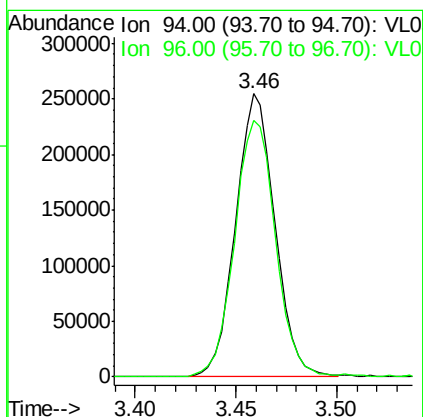
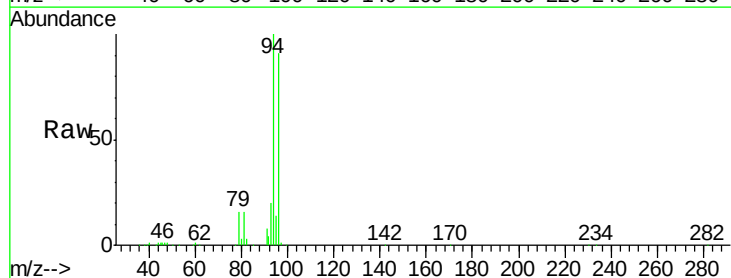
Acq: 27 Feb 2020 00:32

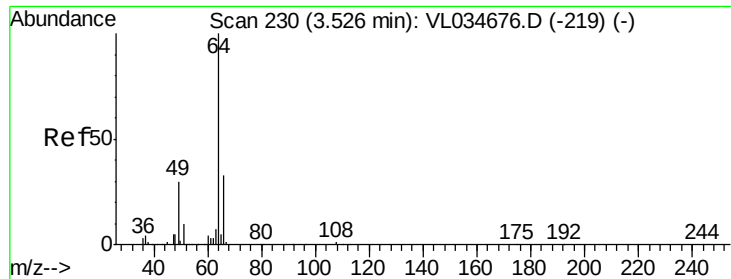
Tgt Ion: 94 Resp: 348585

Ion Ratio Lower Upper

94 100

96 90.5 70.5 105.7





#7

Chloroethane

Concen: 9.768 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.02 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 216801

Ion Ratio Lower Upper

64 100

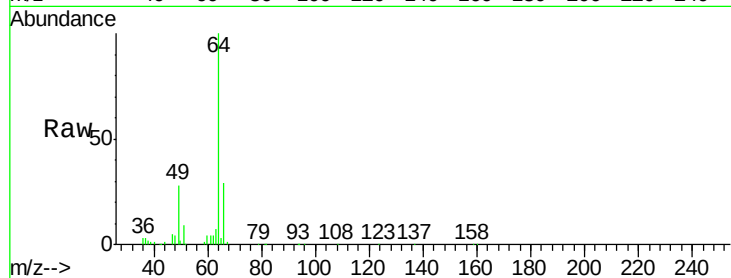
66 28.6 26.7 40.1

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

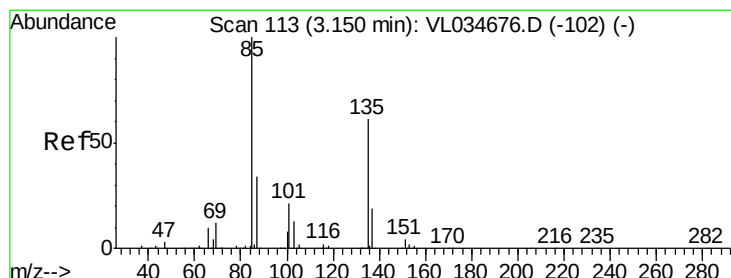
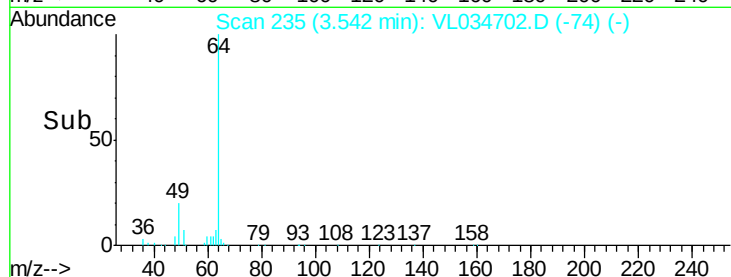
150000

100000

50000

0

Time--> 3.50 3.55



#8

Dichlorotetrafluoroethane

Concen: 9.378 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.02 min

Lab File: VL034702.D

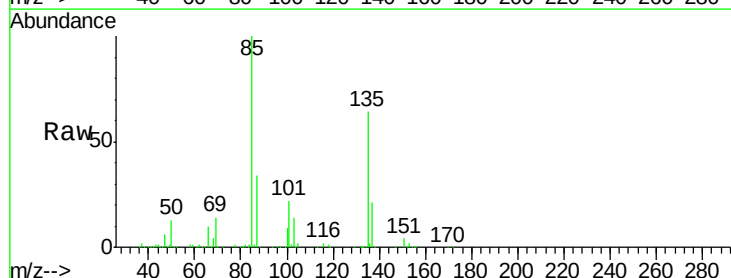
Acq: 27 Feb 2020 00:32

Tgt Ion: 85 Resp: 1319970

Ion Ratio Lower Upper

85 100

135 62.1 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

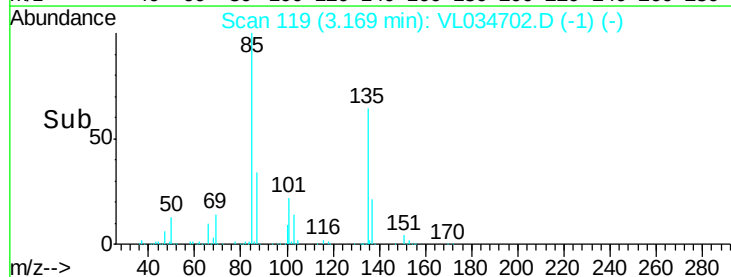
600000

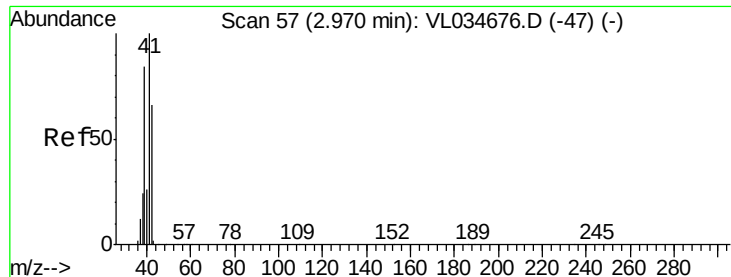
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200000

0

Time--> 3.10 3.15 3.20





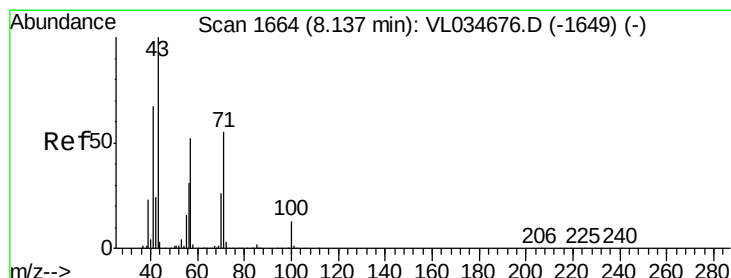
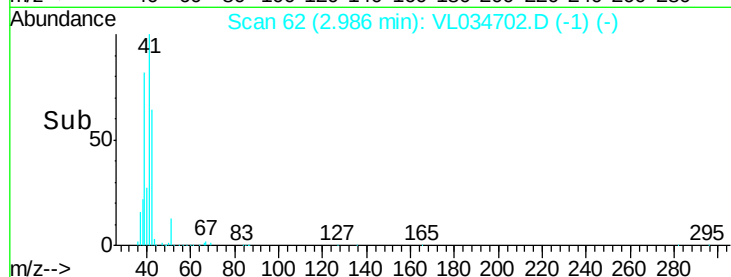
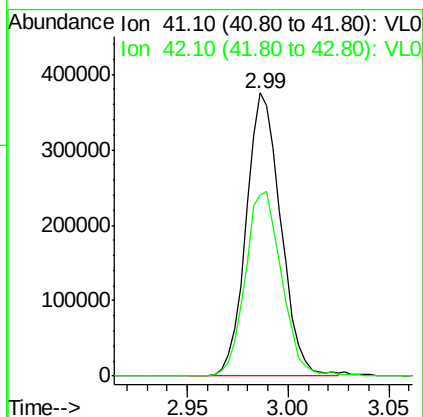
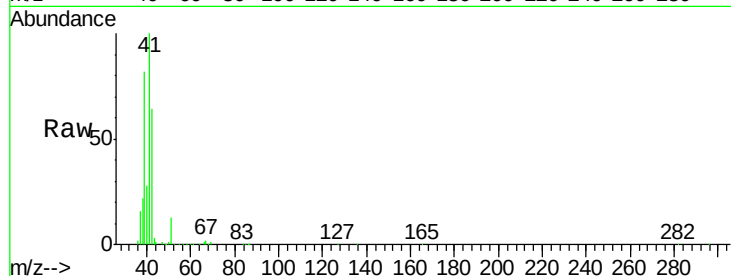
#9
 Propene
 Concen: 9.936 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.02 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 452136
 Ion Ratio Lower Upper
 41 100
 42 69.1 54.9 82.3

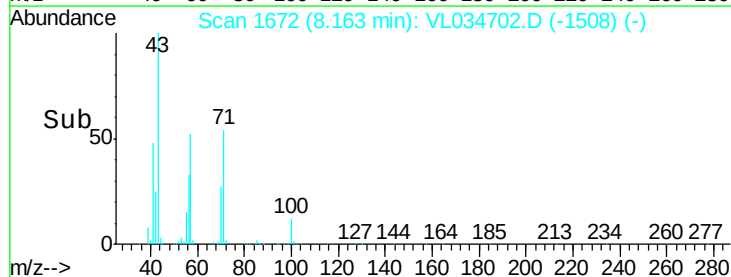
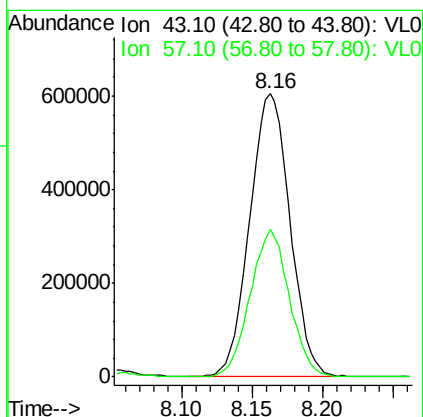
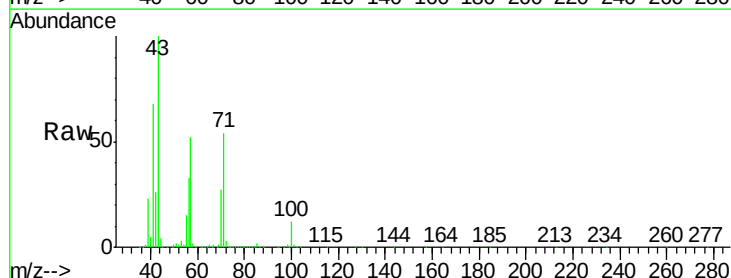
Manual Integrations
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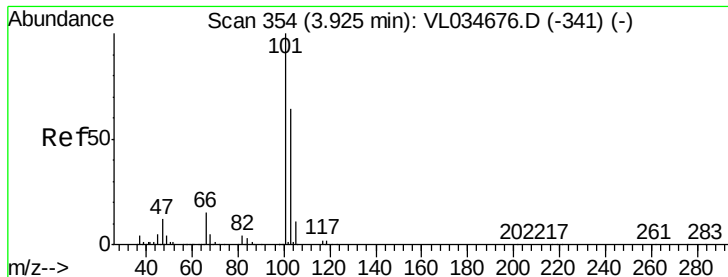
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#10
 Heptane
 Concen: 10.283 ppbv
 RT: 8.16 min Scan# 1672
 Delta R.T. 0.03 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Tgt Ion: 43 Resp: 1204467
 Ion Ratio Lower Upper
 43 100
 57 50.6 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.756 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.02 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1359834

Ion Ratio Lower Upper

101 100

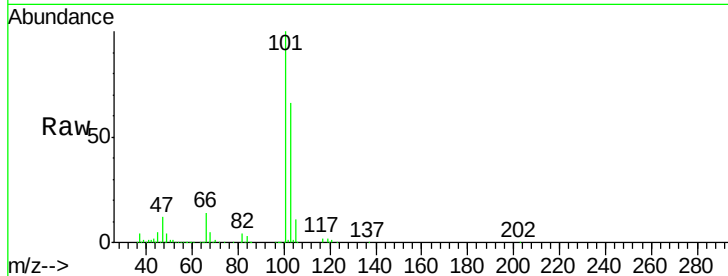
103 65.9 51.2 76.8

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.94

800000

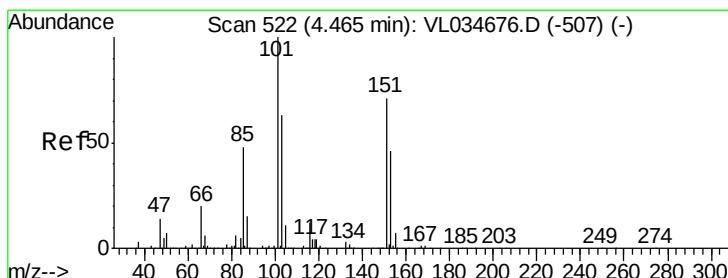
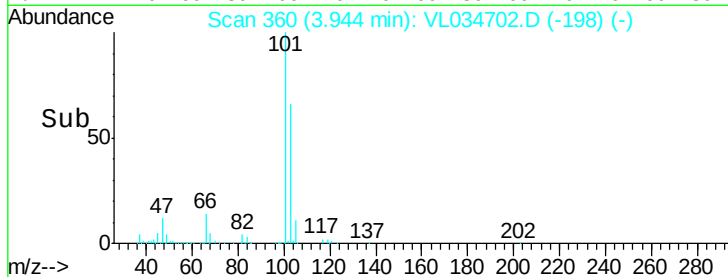
600000

400000

200000

0

Time--> 3.85 3.90 3.95 4.00



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.577 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.02 min

Lab File: VL034702.D

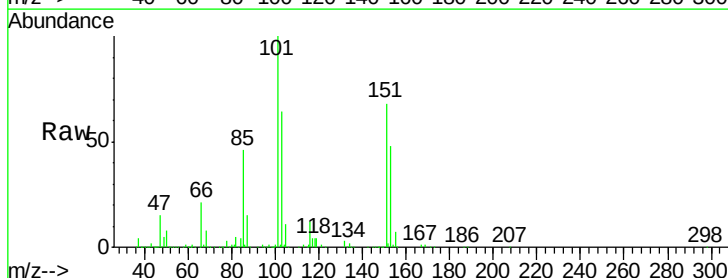
Acq: 27 Feb 2020 00:32

Tgt Ion:101 Resp: 940951

Ion Ratio Lower Upper

101 100

151 70.4 55.8 83.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.48

600000

500000

400000

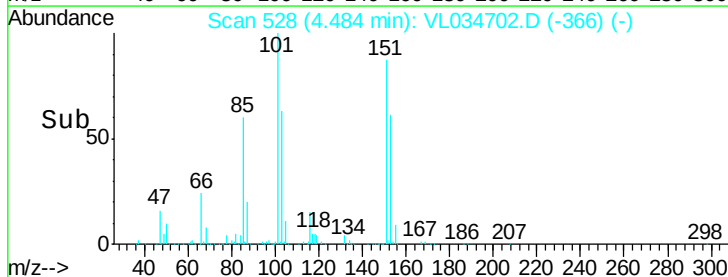
300000

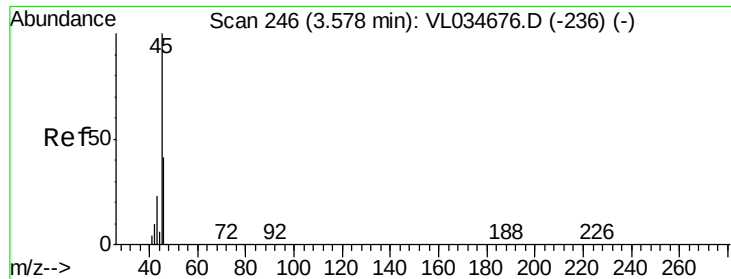
200000

100000

0

Time--> 4.45 4.50 4.55





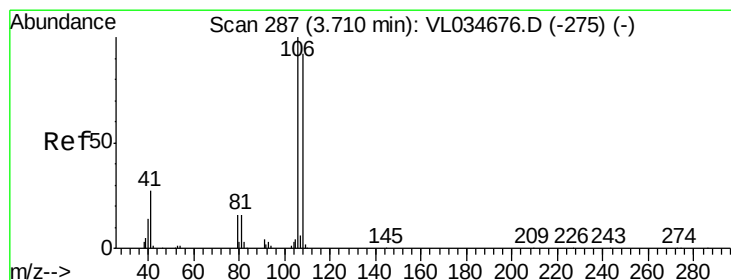
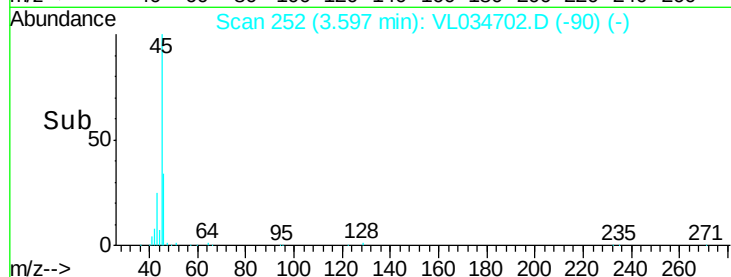
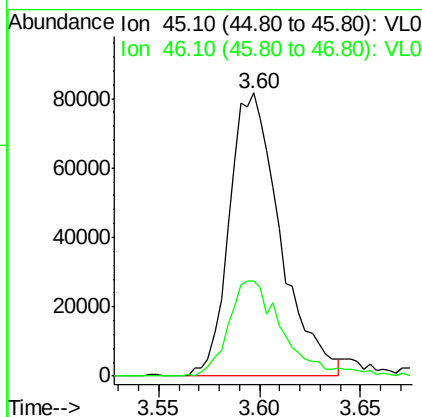
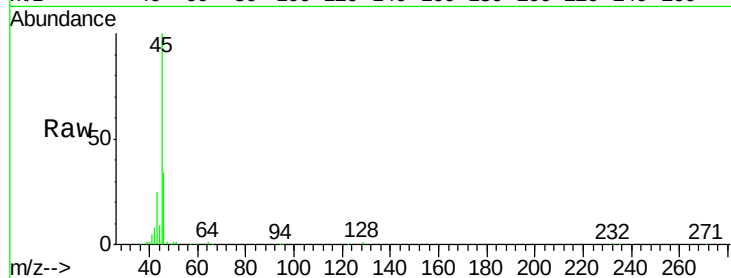
#13
Ethanol
Concen: 10.008 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.02 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 143870
Ion Ratio Lower Upper
45 100
46 36.2 15.4 61.4

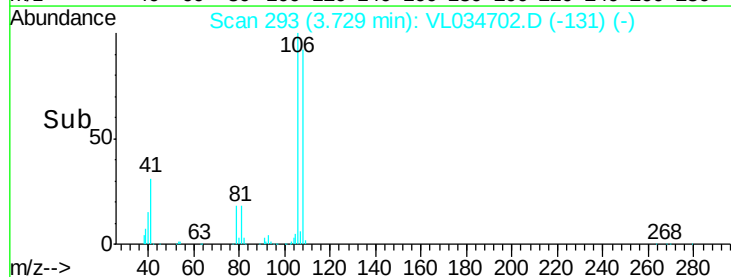
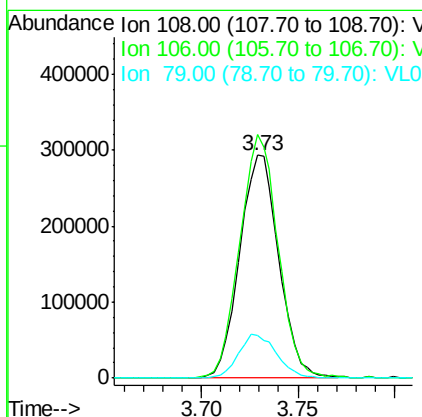
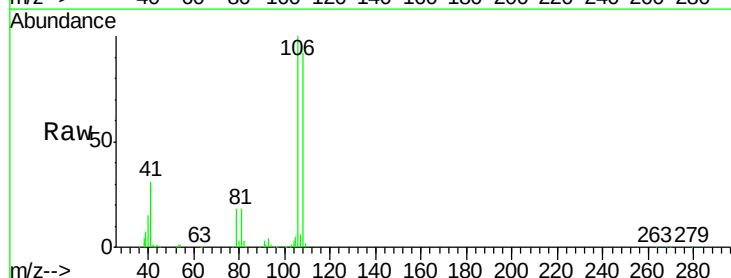
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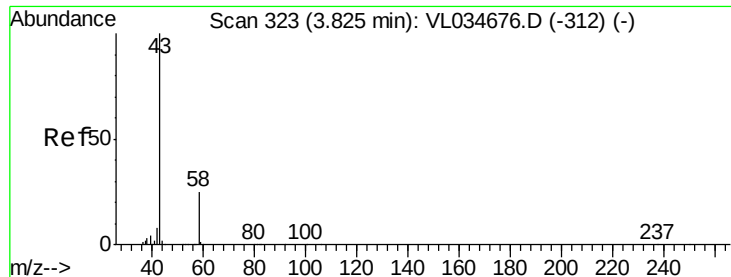
MMDadoda
2/27/2020 5:20:21 PM



#14
Bromoethene
Concen: 10.072 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.02 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion: 108 Resp: 412862
Ion Ratio Lower Upper
108 100
106 107.6 86.7 130.1
79 19.2 15.0 22.6





#15

Acetone

Concen: 9.663 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1110779

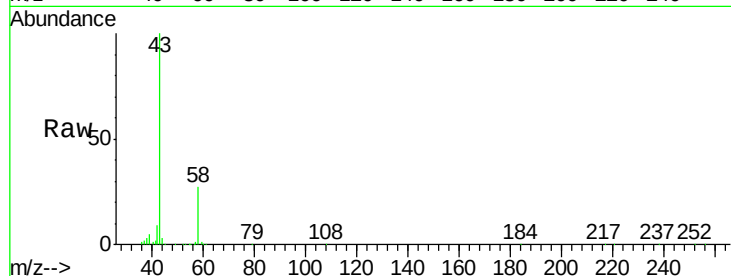
Ion Ratio Lower Upper

43 100

58 27.2 21.4 32.0

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MMDadoda
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

800000

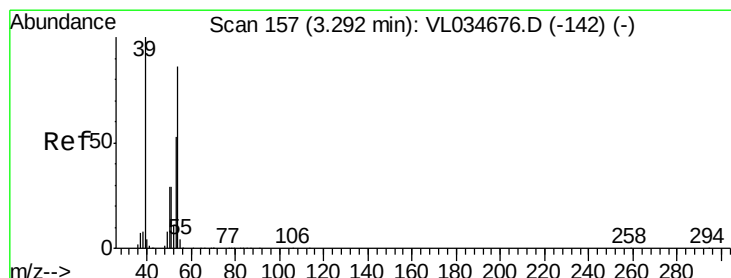
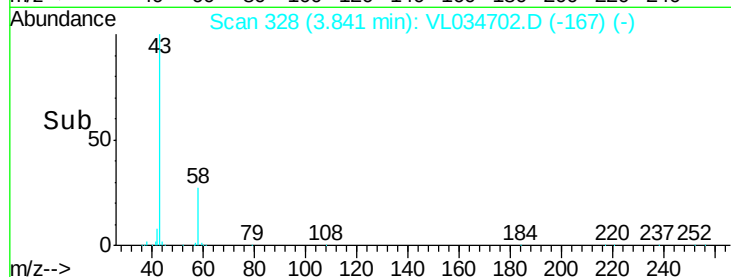
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 10.052 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.02 min

Lab File: VL034702.D

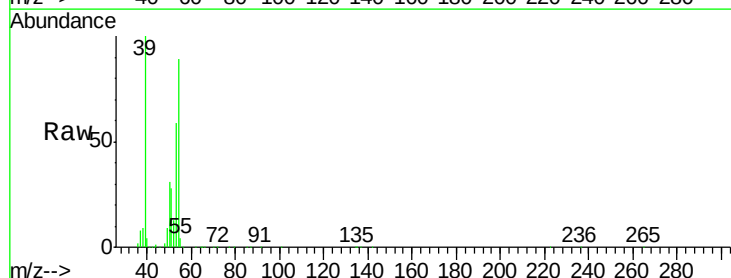
Acq: 27 Feb 2020 00:32

Tgt Ion: 39 Resp: 534890

Ion Ratio Lower Upper

39 100

54 84.5 67.0 100.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.31

400000

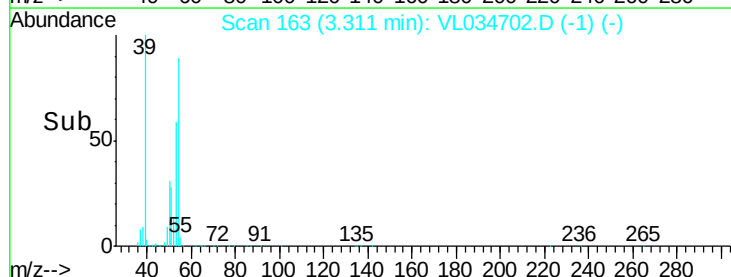
300000

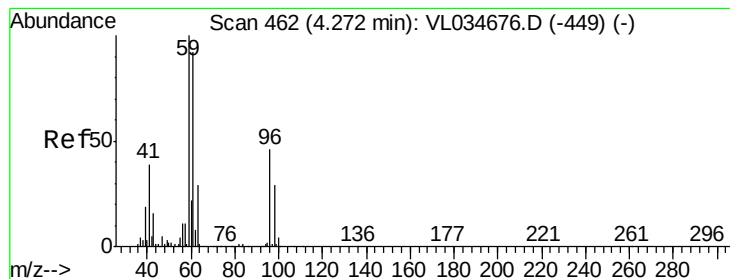
200000

100000

0

Time-->





#17

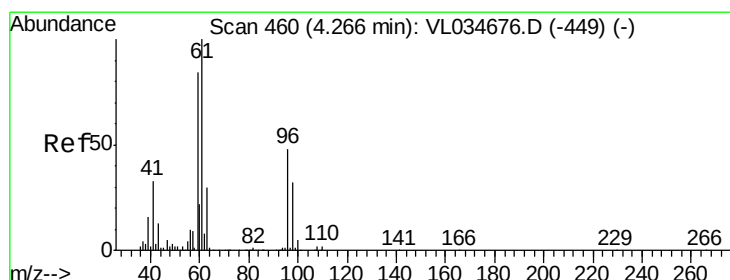
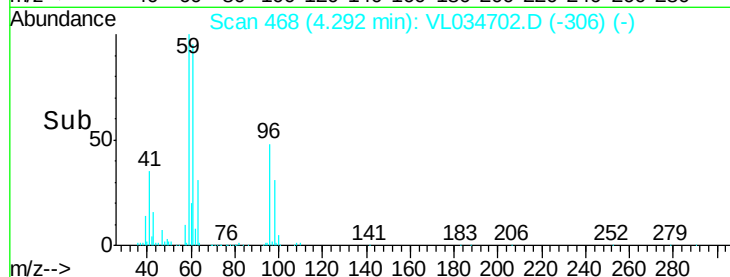
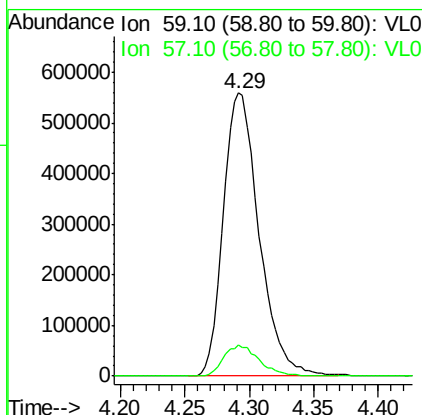
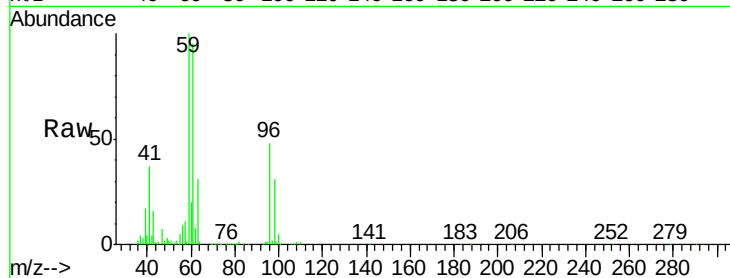
tert-Butyl alcohol
Concen: 12.220 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1076411
Ion Ratio Lower Upper
59 100
57 10.9 8.8 13.2

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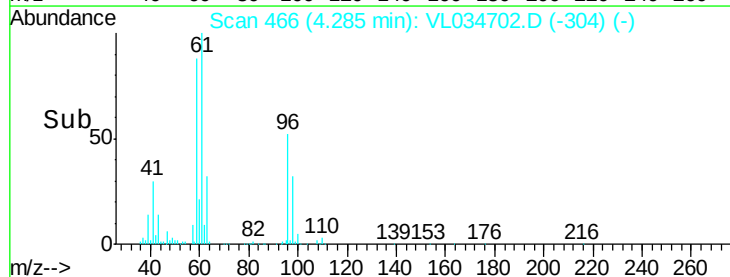
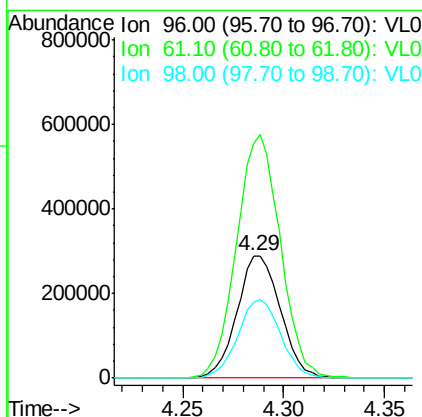
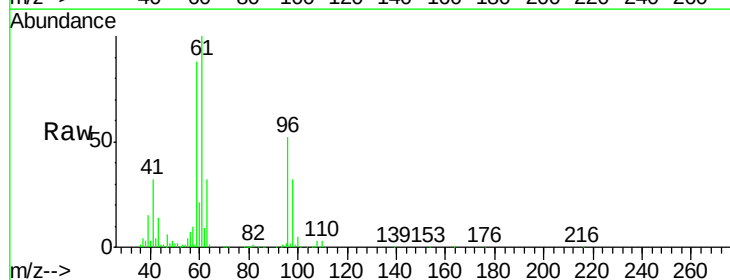
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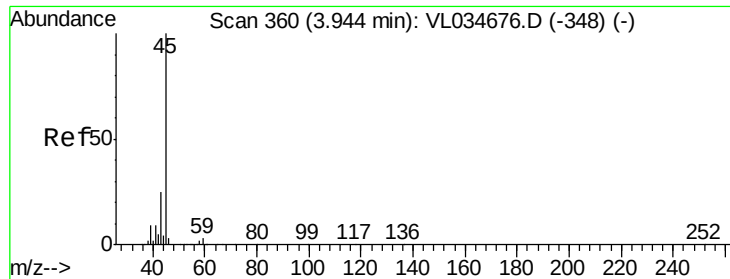


#18

1,1-Dichloroethene
Concen: 9.932 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.02 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion: 96 Resp: 438074
Ion Ratio Lower Upper
96 100
61 190.8 165.1 247.7
98 61.9 52.7 79.1





#19

Isopropyl Alcohol

Concen: 11.625 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.02 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 45 Resp: 795932

Ion Ratio Lower Upper

45 100

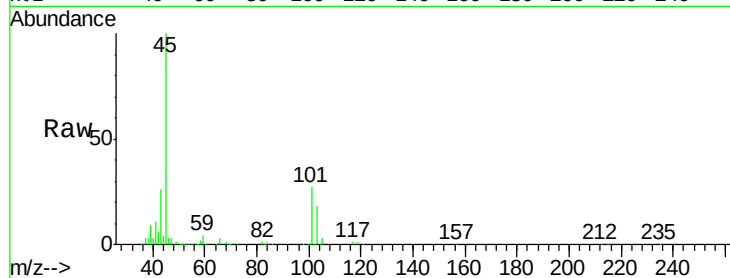
58 1.7 1.8 2.6#

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

500000

400000

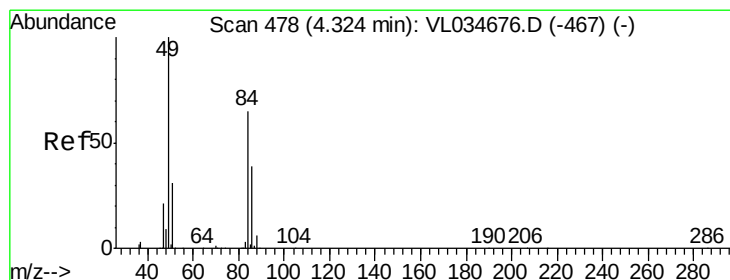
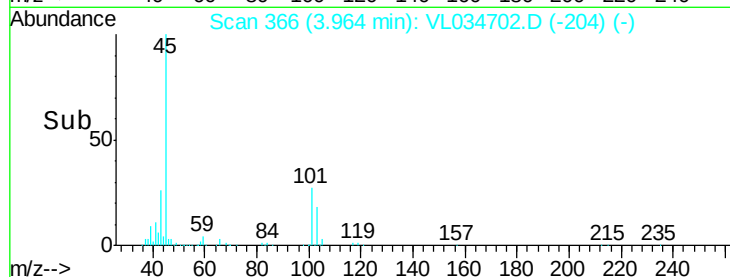
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.796 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.02 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Tgt Ion: 84 Resp: 376051

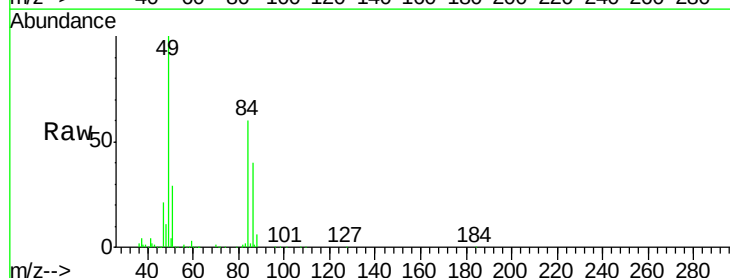
Ion Ratio Lower Upper

84 100

49 165.1 122.8 184.2

51 48.3 38.6 58.0

86 67.1 47.7 71.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

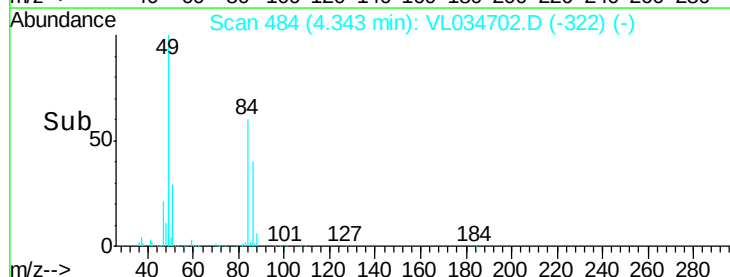
300000

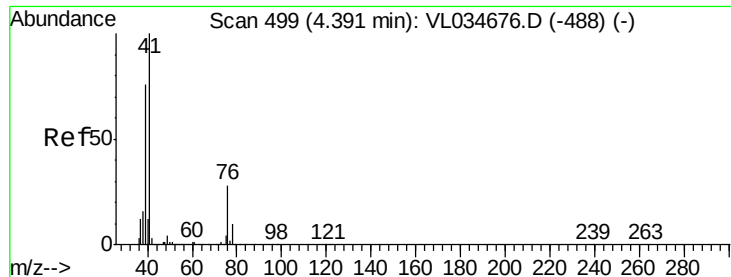
200000

100000

0

Time-->





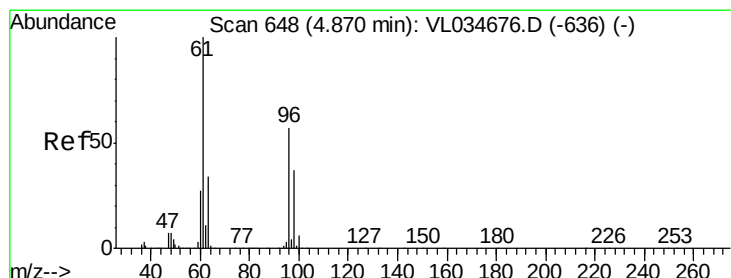
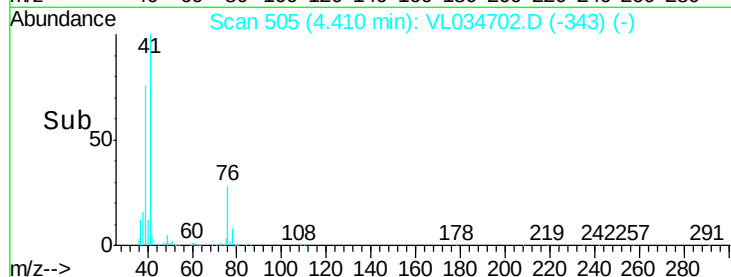
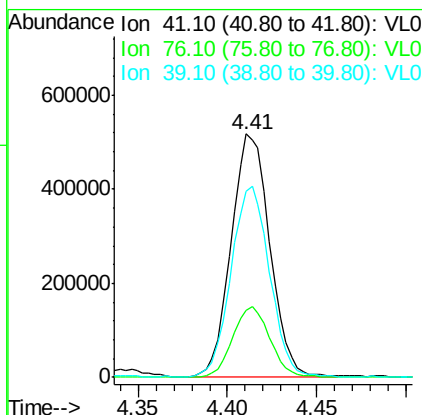
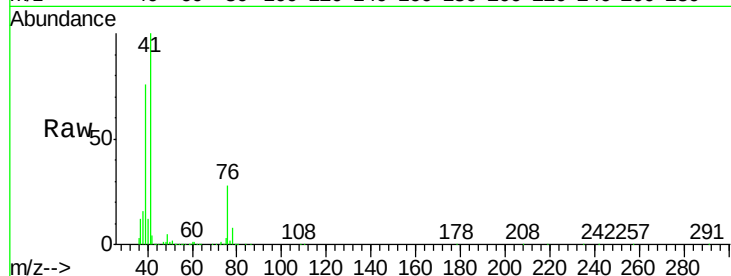
#21
Allvl Chloride
Concen: 10.182 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.02 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.3	22.8	34.2
39	79.2	61.7	92.5

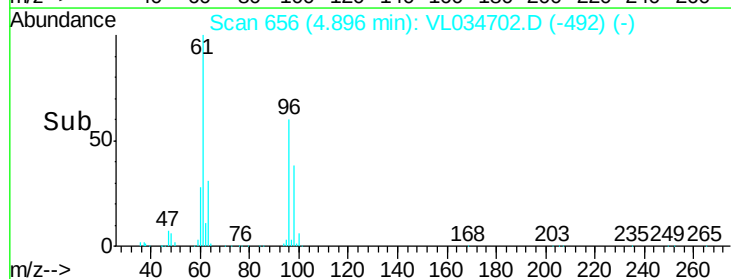
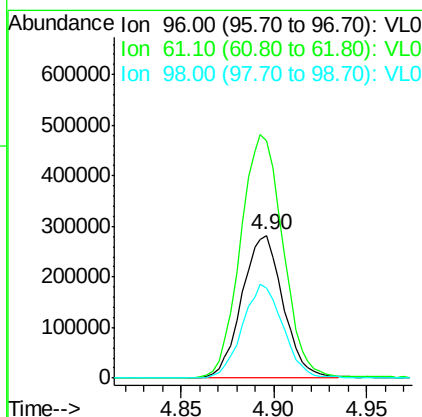
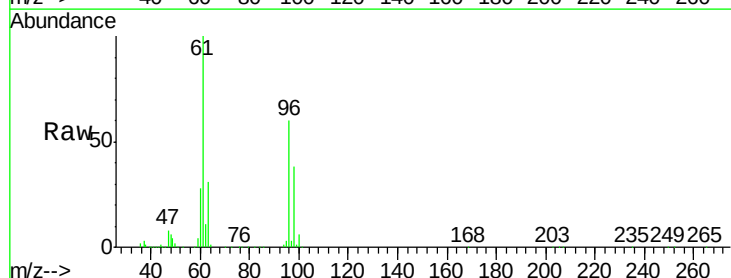
Manual Integrations
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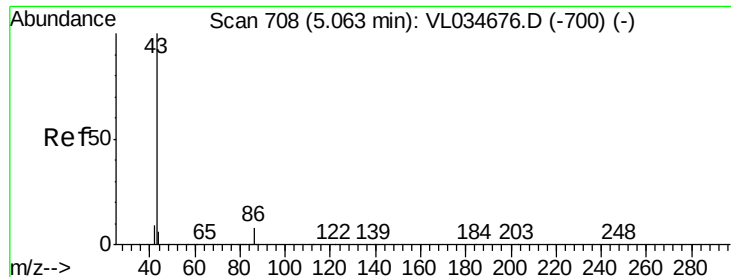
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.129 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	139.4	209.0
98	63.4	51.3	76.9





#23

Vinyl Acetate

Concen: 10.858 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.02 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1696728

Ion Ratio Lower Upper

43 100

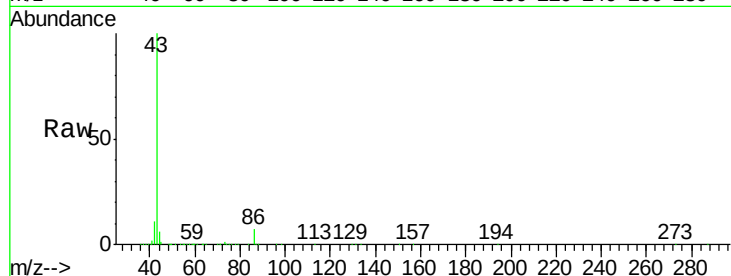
86 6.8 6.0 9.0

42 10.6 8.0 12.0

44 5.4 4.5 6.7

Manual Integrations
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MMDadoda
2/27/2020 5:20:21 PM

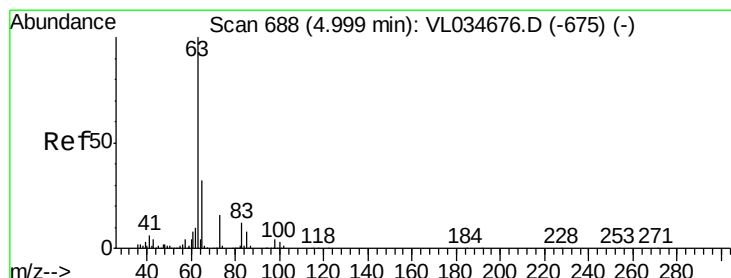
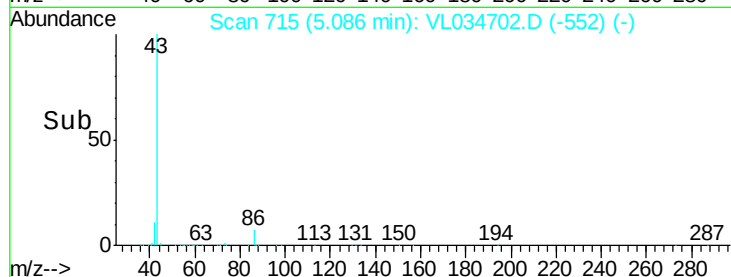
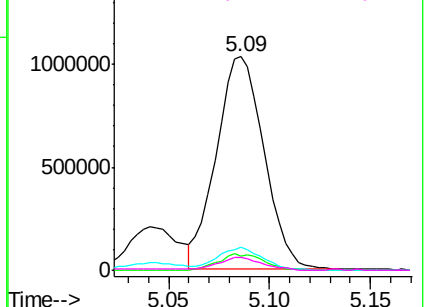


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.719 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

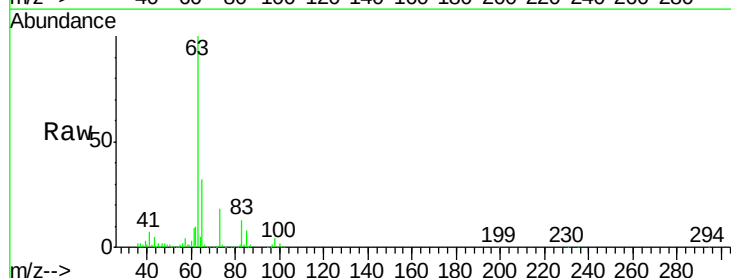
Tgt Ion: 63 Resp: 1212909

Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.2

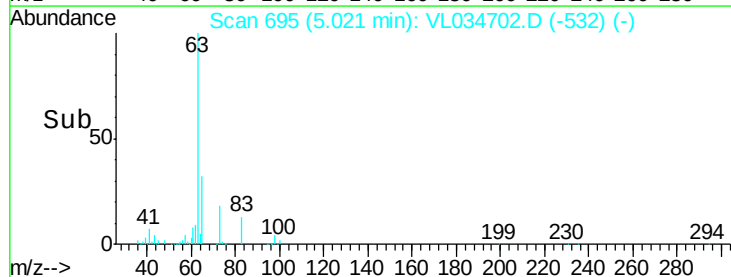
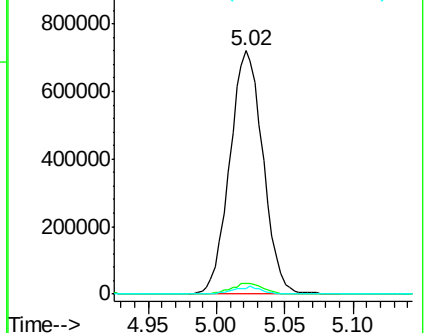
100 2.4 1.4 4.0

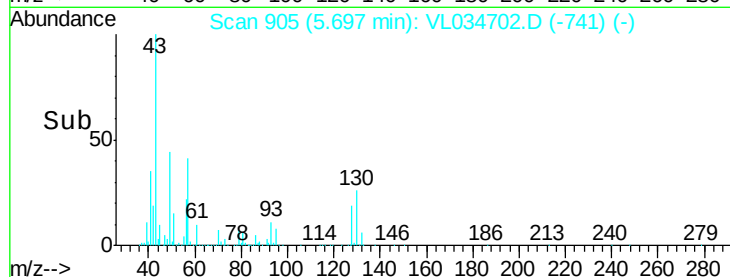
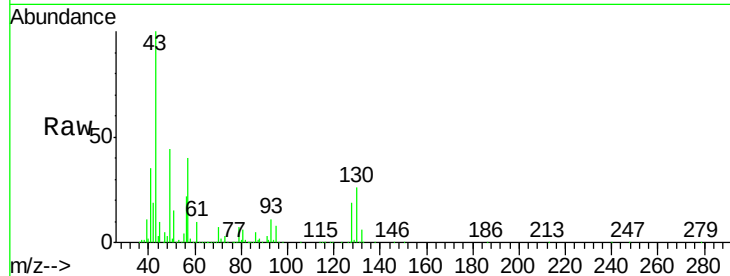
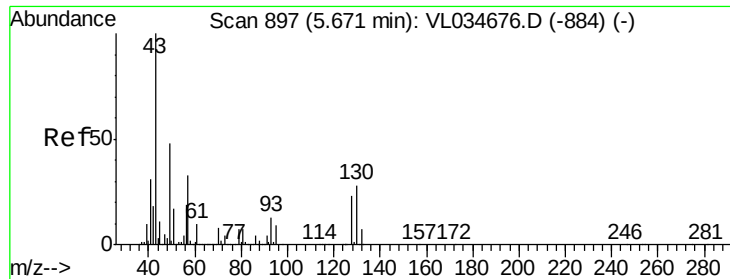


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

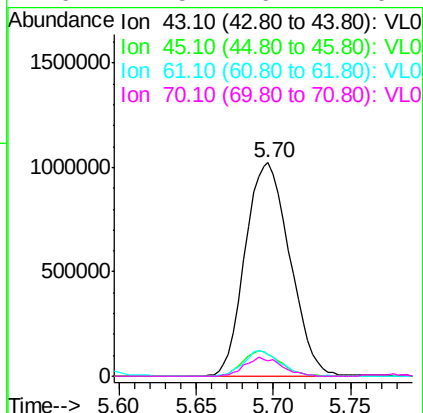
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 10.077 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

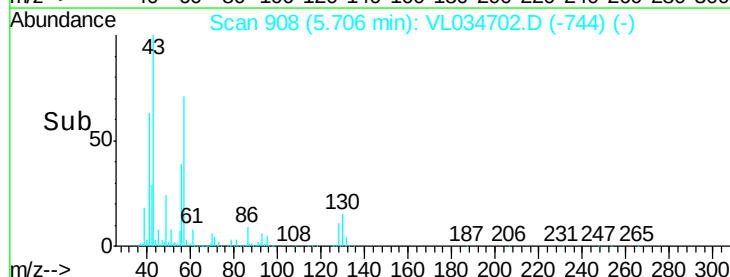
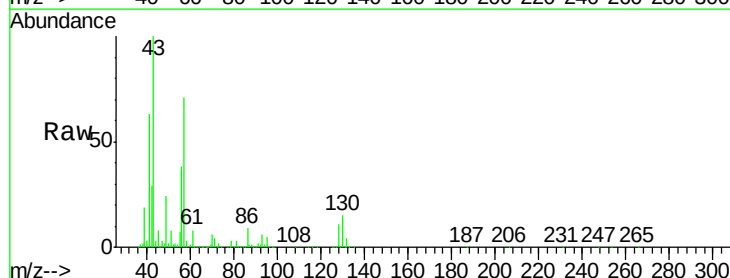
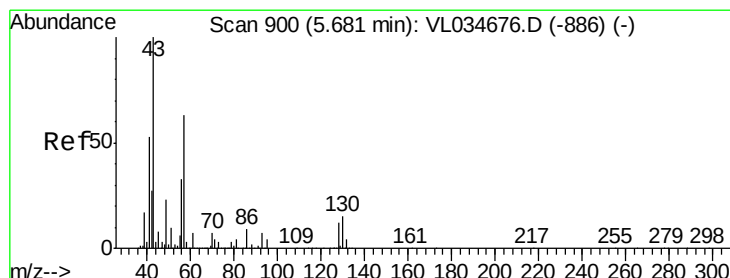
Tot Ion	43	Resp	2050496
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.9	7.8	11.6
70	7.5	6.1	9.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

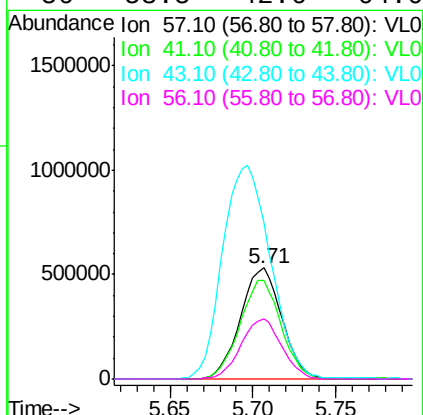
Manual Integrations
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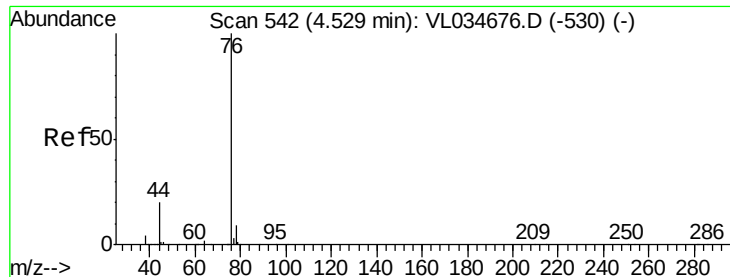
MMDadoda
2/27/2020 5:20:21 PM



#26
Hexane
Concen: 9.809 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion	57	Resp	919892
Ion	Ratio	Lower	Upper
57	100		
41	88.9	70.3	105.5
43	225.2	177.0	265.4
56	53.5	42.6	64.0





#27

Carbon Disulfide

Concen: 10.532 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1121234

Ion Ratio Lower Upper

76 100

44 19.8 15.3 22.9

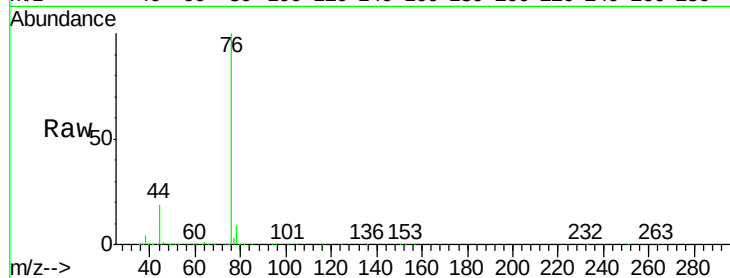
78 9.2 7.6 11.4

Manual Integrations

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MMDadoda

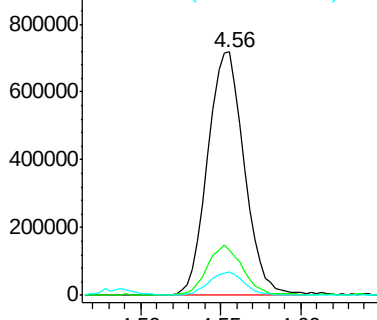
2/27/2020 5:20:21 PM



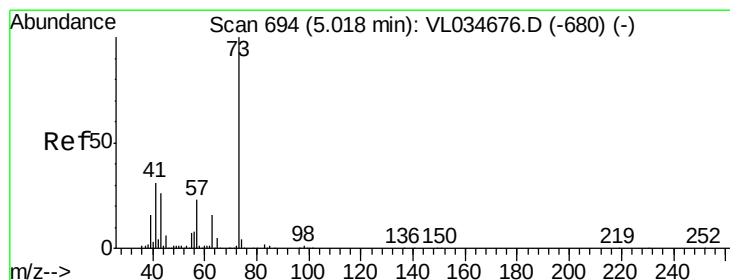
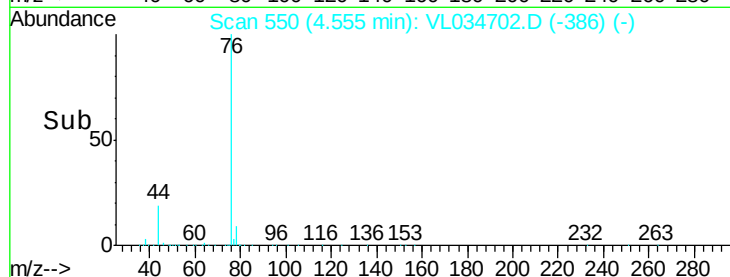
Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



Time-->



#28

Methyl tert-Butyl Ether

Concen: 10.639 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.02 min

Lab File: VL034702.D

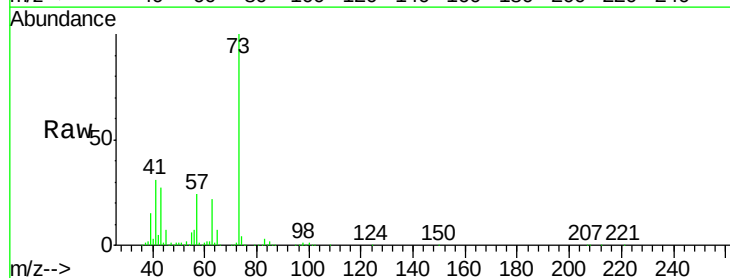
Acq: 27 Feb 2020 00:32

Tgt Ion: 73 Resp: 1425400

Ion Ratio Lower Upper

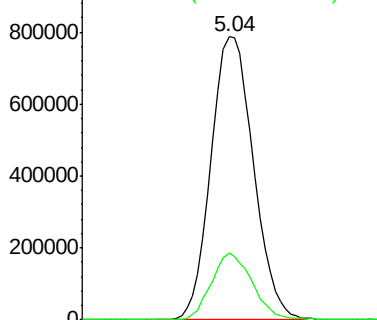
73 100

57 22.8 18.6 28.0

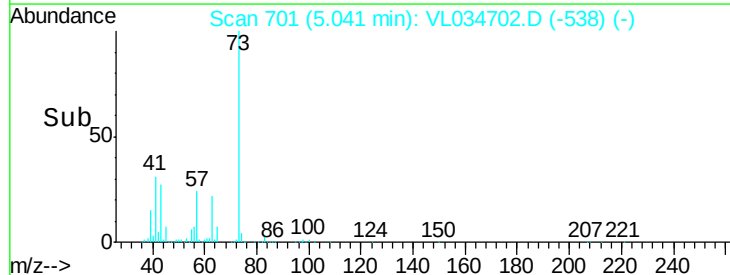


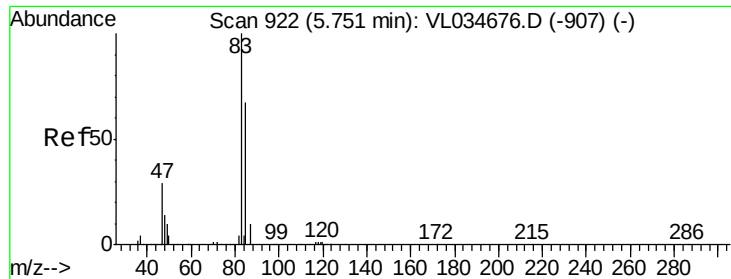
Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Time-->





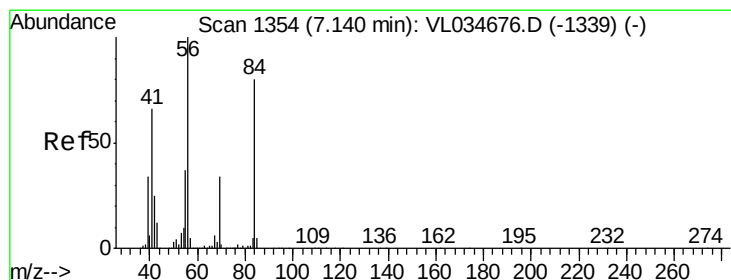
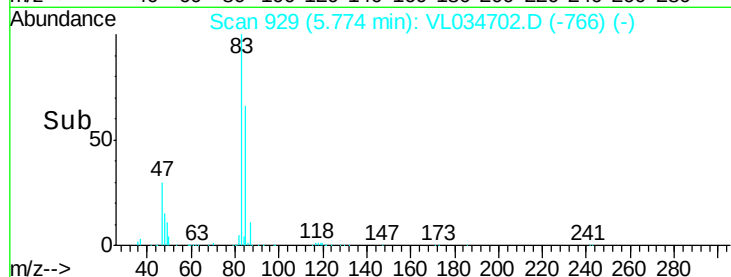
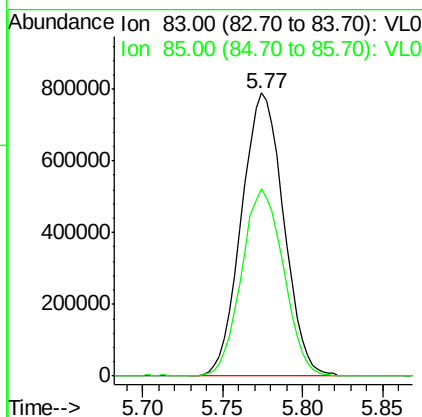
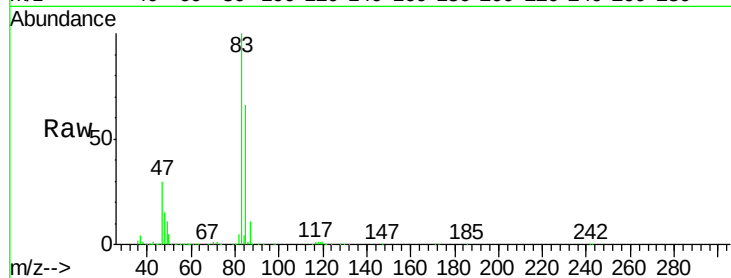
#29
Chloroform
Concen: 9.543 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.02 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1425959
Ion Ratio Lower Upper
83 100
85 66.3 53.9 80.9

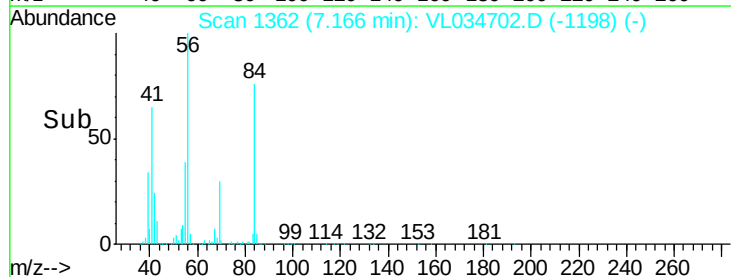
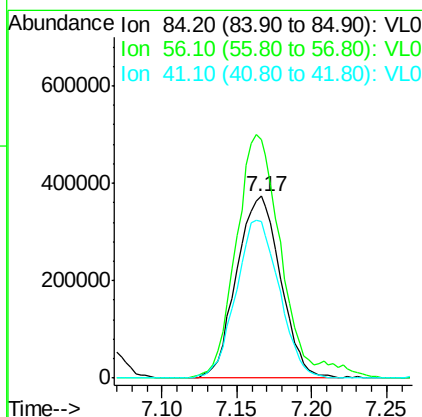
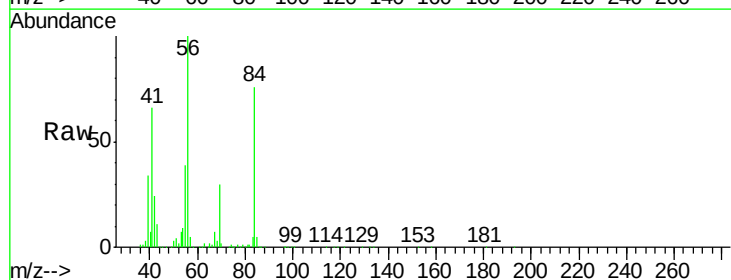
Manual Integrations
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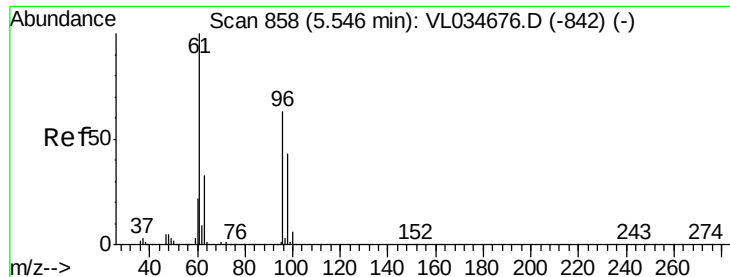
MMDadoda
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#30
Cyclohexane
Concen: 10.539 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion: 84 Resp: 766010
Ion Ratio Lower Upper
84 100
56 138.0 113.4 170.2
41 85.4 68.2 102.4





#31

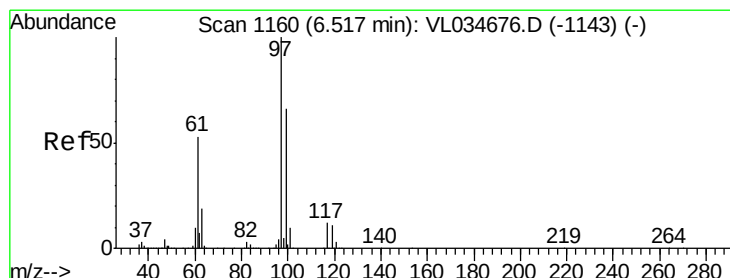
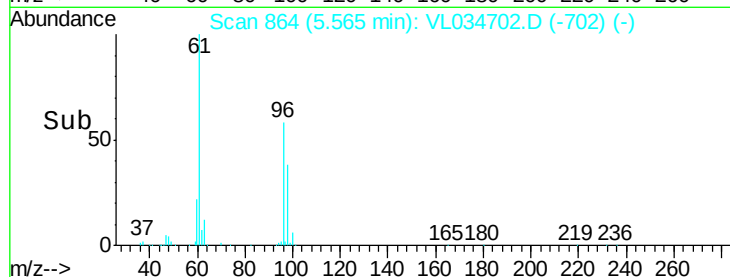
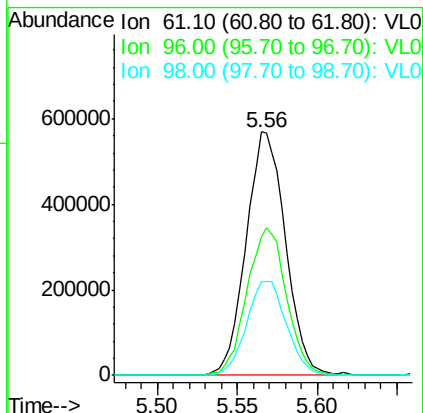
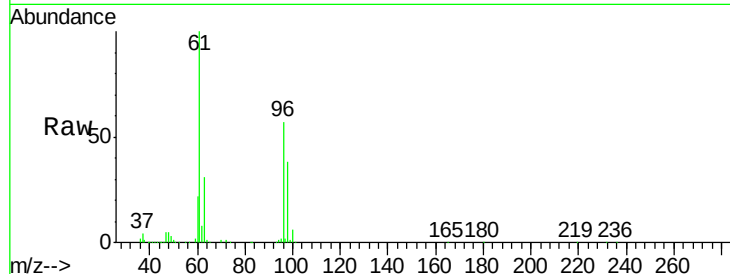
cis-1,2-Dichloroethene
 Concen: 10.356 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	57.2	50.2	75.2
98	38.5	34.3	51.5

Manual Integrations
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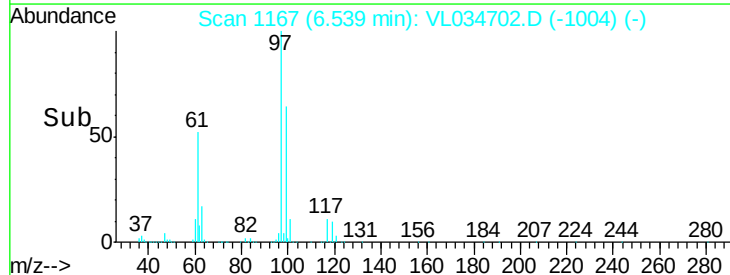
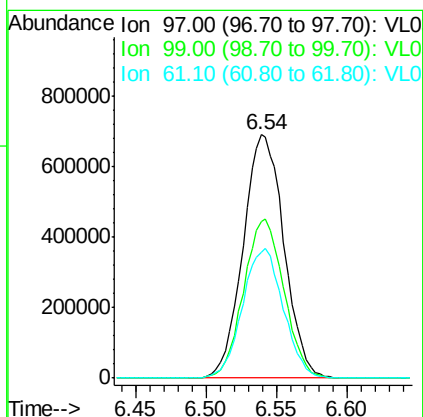
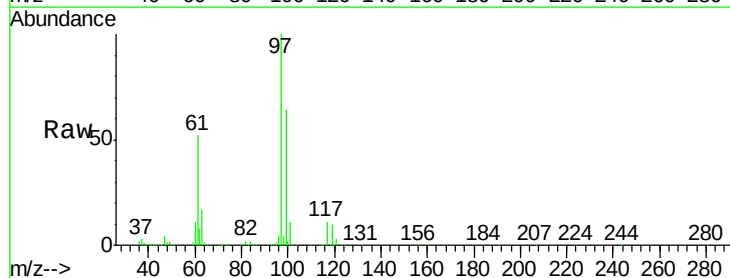
MMDadoda
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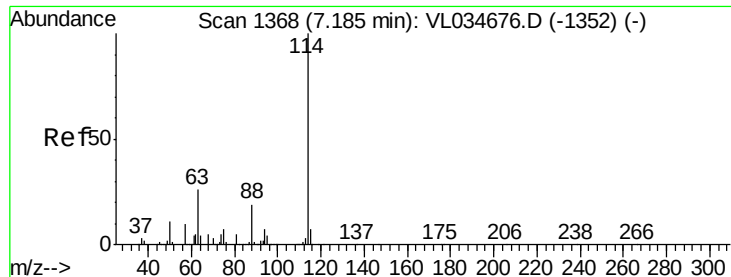


#32

1,1,1-Trichloroethane
 Concen: 9.997 ppbv
 RT: 6.54 min Scan# 1167
 Delta R.T. 0.02 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.3	78.5
61	53.4	42.8	64.2





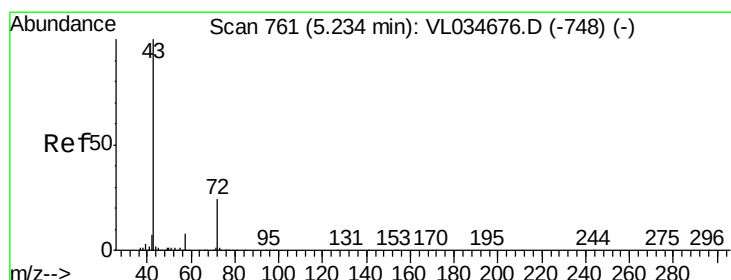
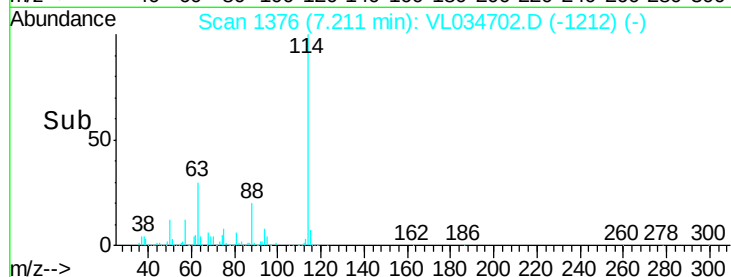
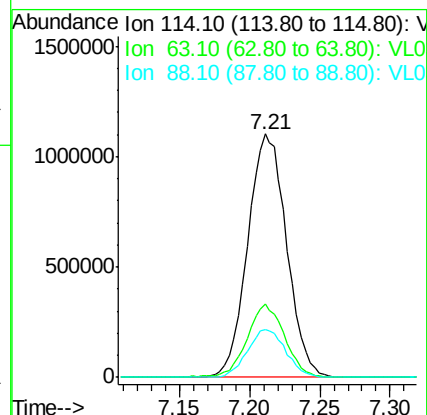
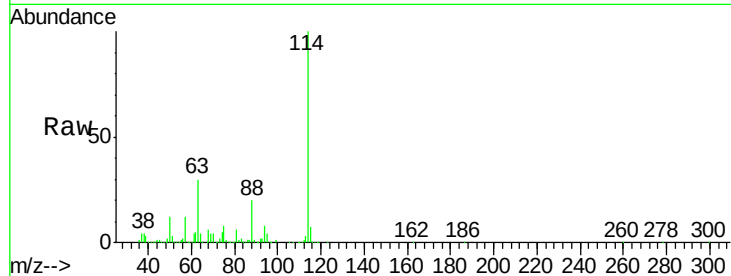
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. 0.03 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.5	22.9	34.3
88	19.5	15.8	23.6

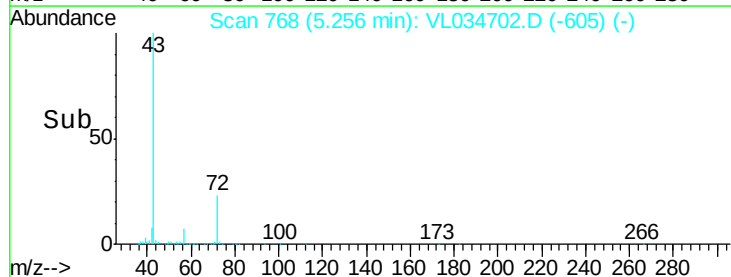
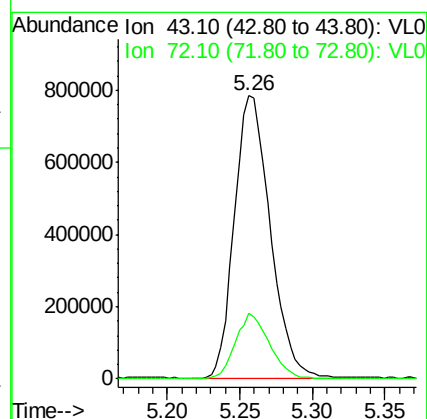
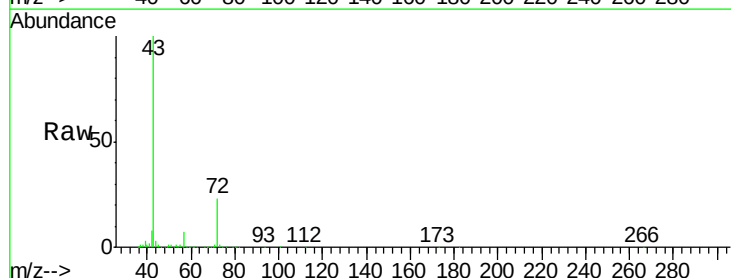
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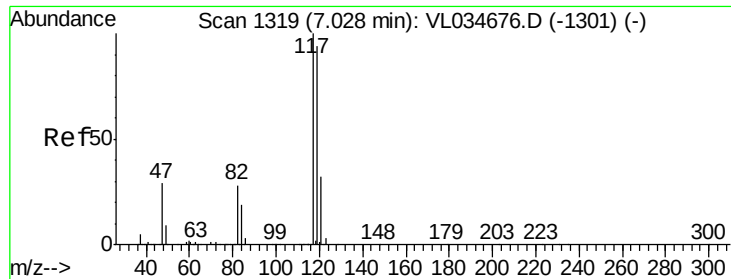
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#34
 2-Butanone
 Concen: 10.090 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.02 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.2	27.2





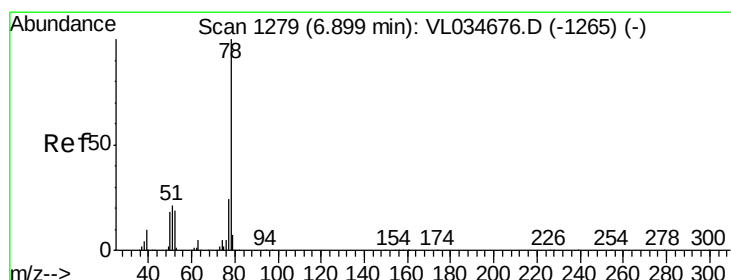
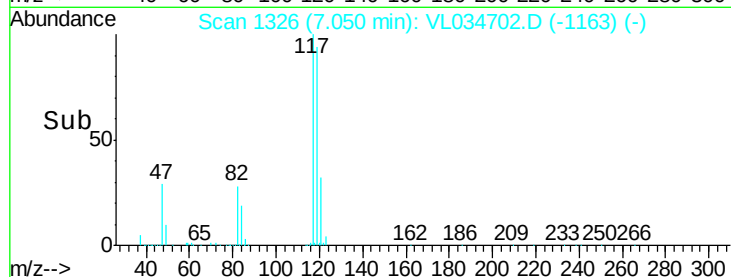
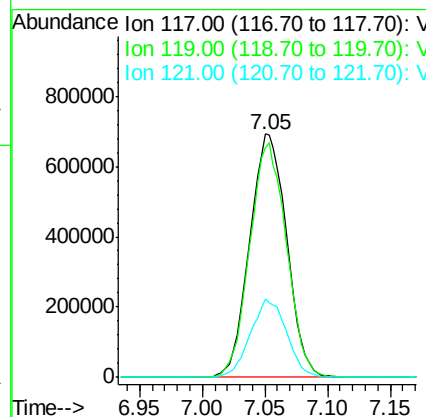
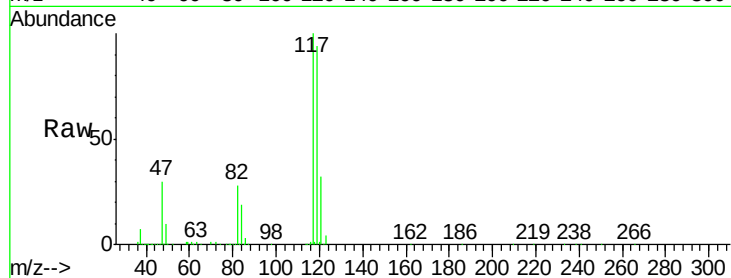
#35
Carbon Tetrachloride
Concen: 10.012 ppbv
RT: 7.05 min Scan# 1326
Delta R.T. 0.02 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.5	113.3
121	32.1	25.4	38.0

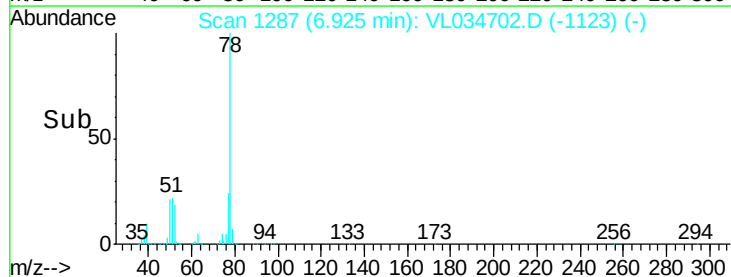
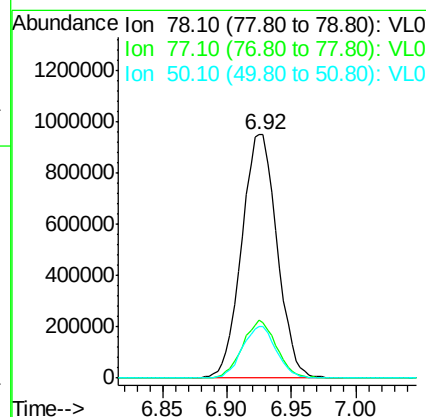
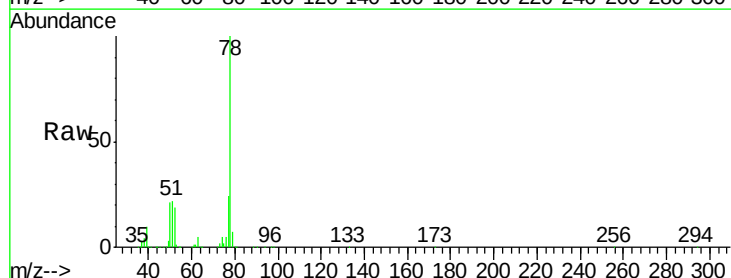
Manual Integrations
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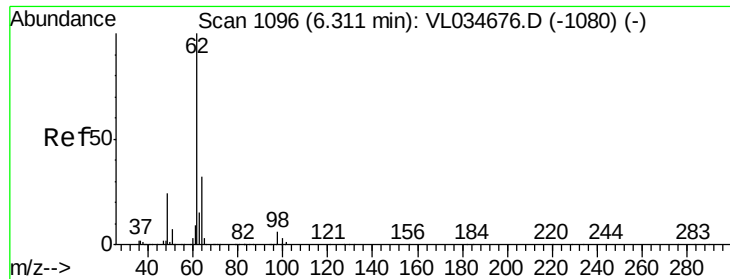
MMDadoda
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#36
Benzene
Concen: 9.916 ppbv
RT: 6.92 min Scan# 1287
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.5	29.3
50	21.3	14.6	21.8





#37

1,2-Dichloroethane

Concen: 10.012 ppbv

RT: 6.34 min Scan# 1104

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1154933

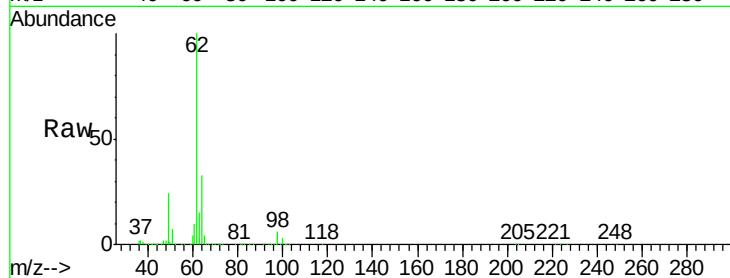
Ion Ratio Lower Upper

62 100

98 5.8 4.7 7.1

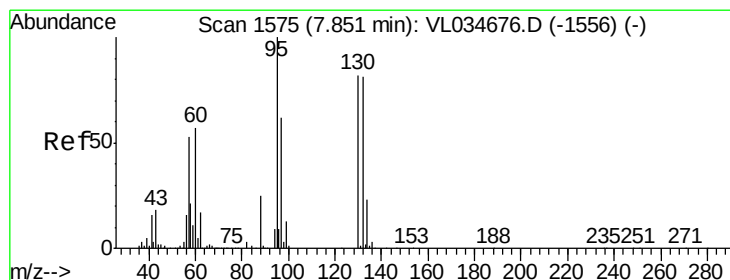
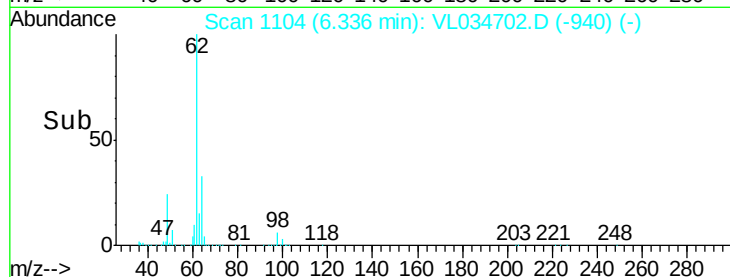
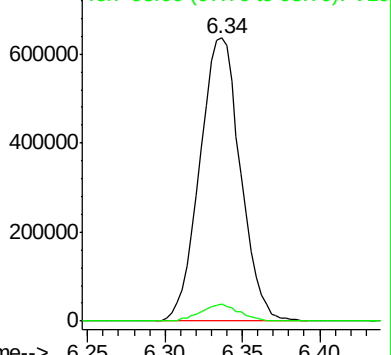
Manual Integrations
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.567 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Tgt Ion: 130 Resp: 674804

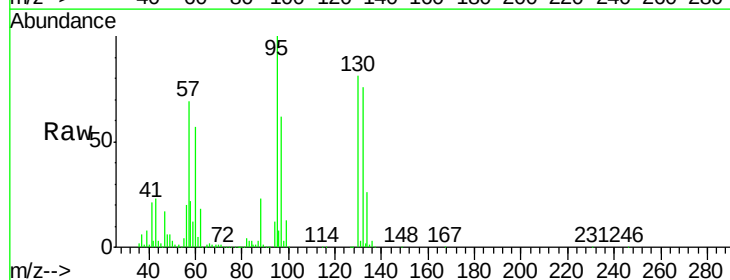
Ion Ratio Lower Upper

130 100

95 123.5 97.1 145.7

132 93.9 78.3 117.5

97 76.9 60.1 90.1

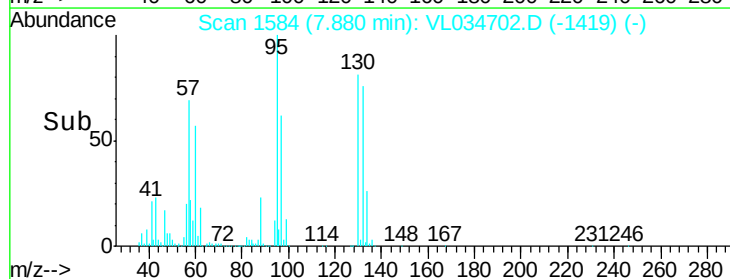
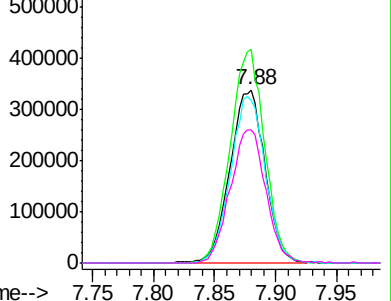


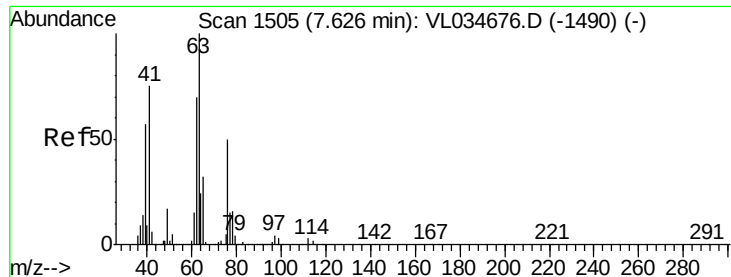
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.089 ppbv

RT: 7.65 min Scan# 1513

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

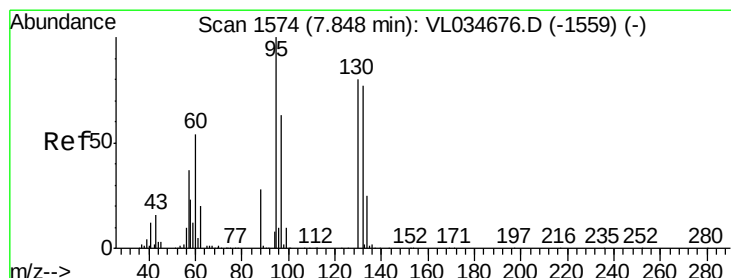
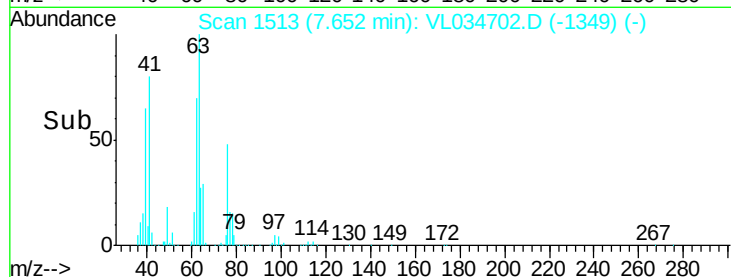
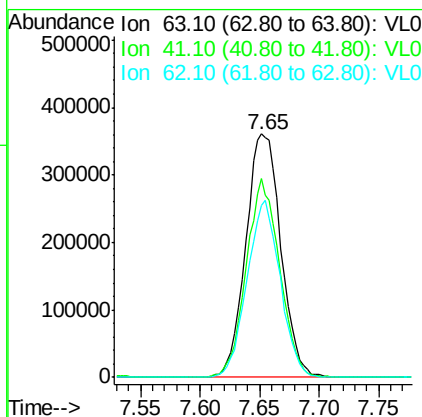
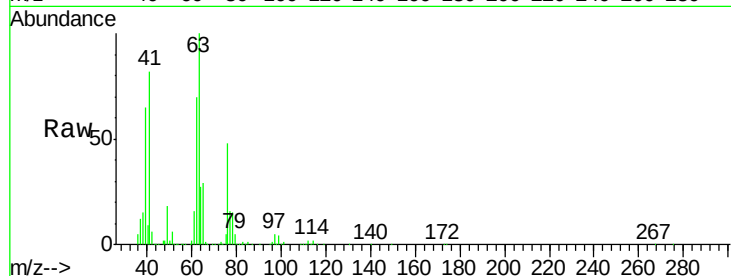
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	734479
Ion Ratio	Lower	Upper	
63	100		
41	81.5	60.2	90.4
62	70.5	56.3	84.5

Manual Integrations
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#40

1,4-Dioxane

Concen: 11.298 ppbv m

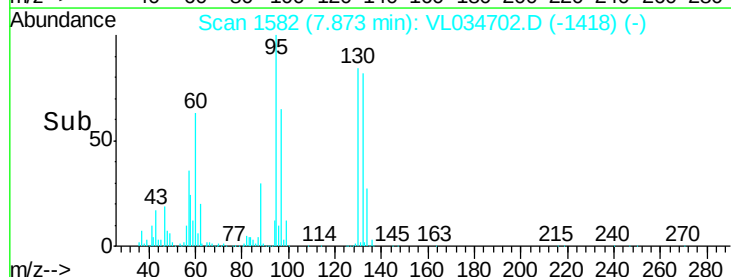
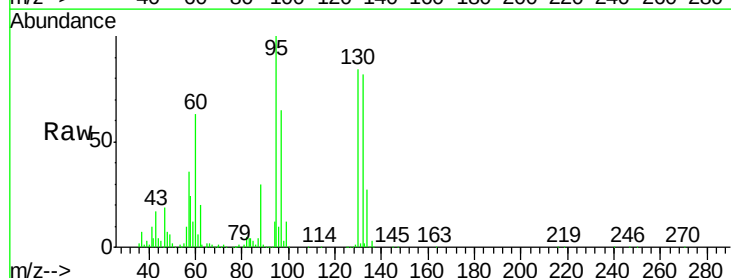
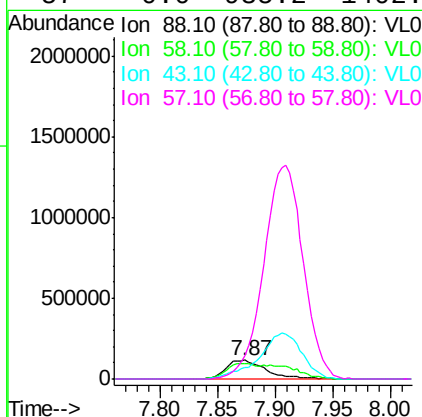
RT: 7.87 min Scan# 1582

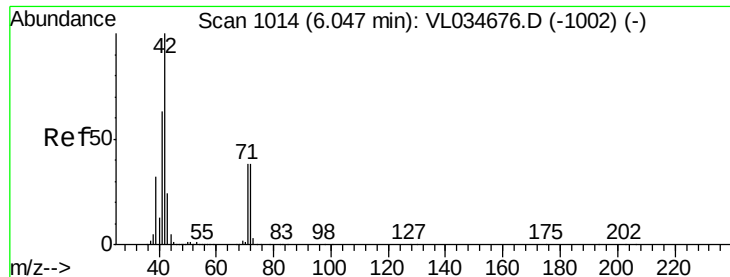
Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Tgt Ion:	88	Resp:	279708
Ion Ratio	Lower	Upper	
88	100		
58	130.9	104.6	156.8
43	0.0	212.9	319.3#
57	0.0	935.2	1402.8#





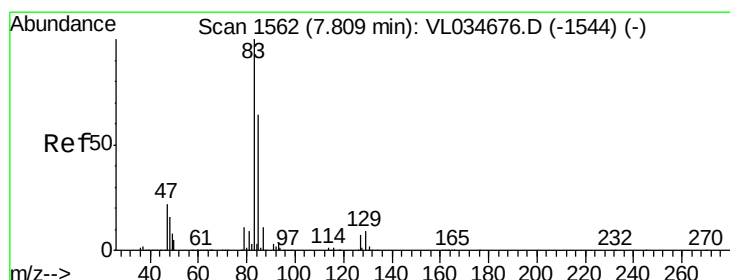
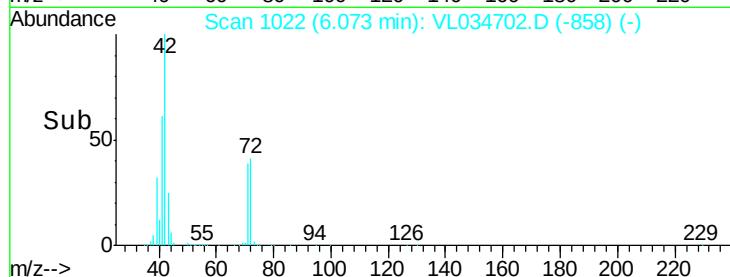
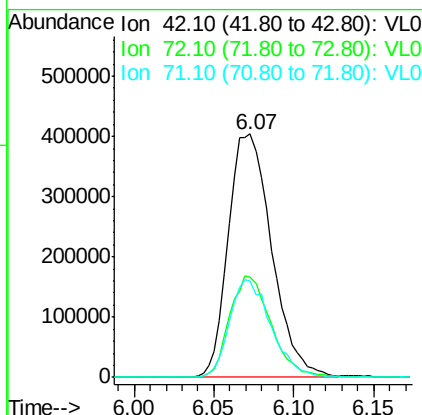
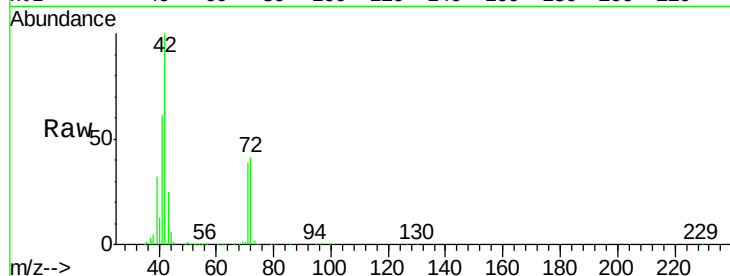
#41
Tetrahydrofuran
Concen: 10.601 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.7	47.5
71	38.6	30.7	46.1

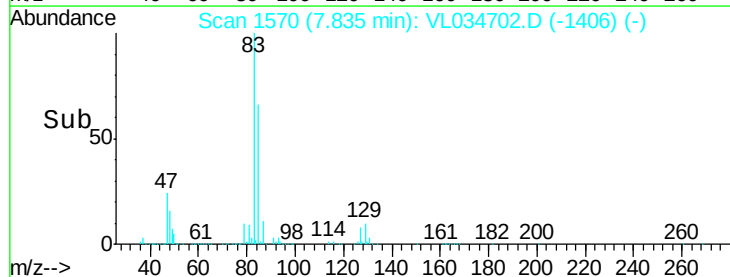
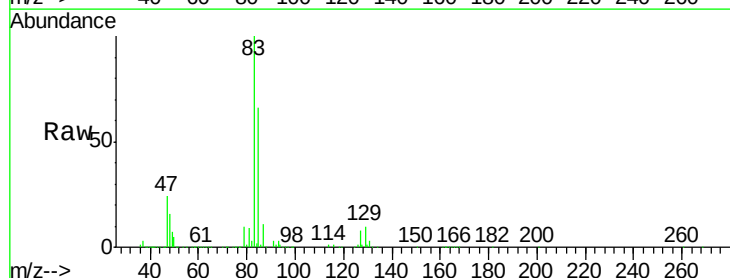
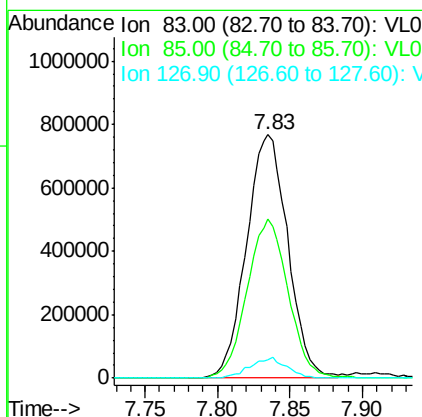
Manual Integrations
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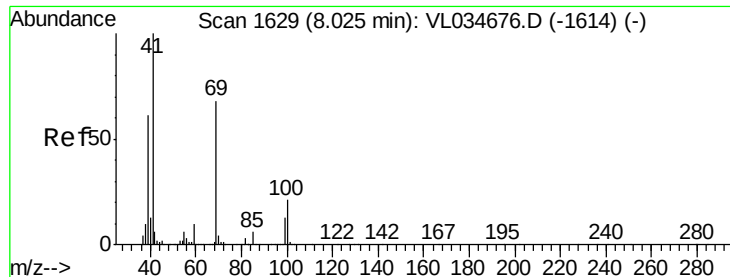
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#42
Bromodichloromethane
Concen: 10.084 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.1	76.7
127	7.6	5.8	8.8





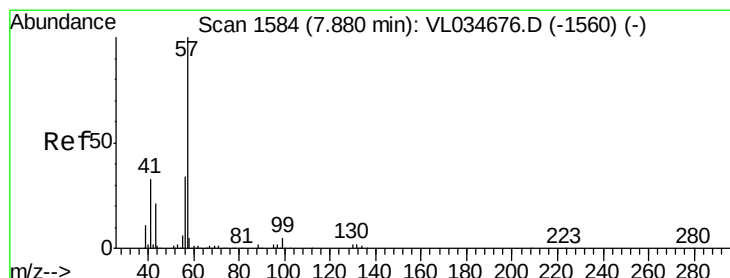
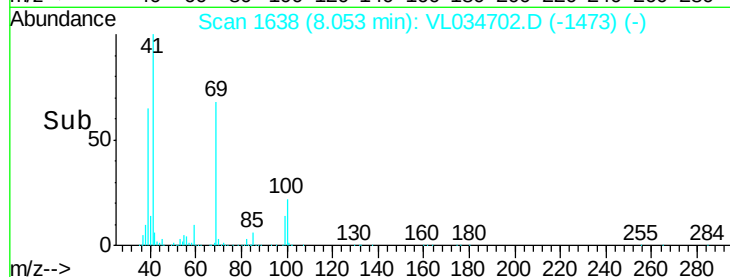
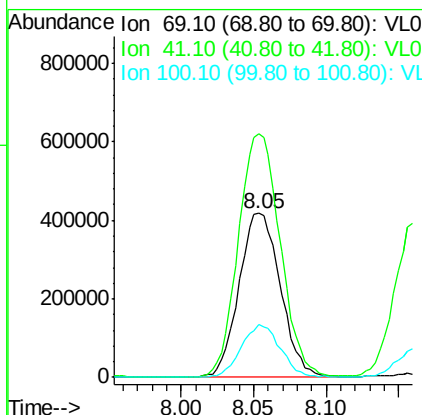
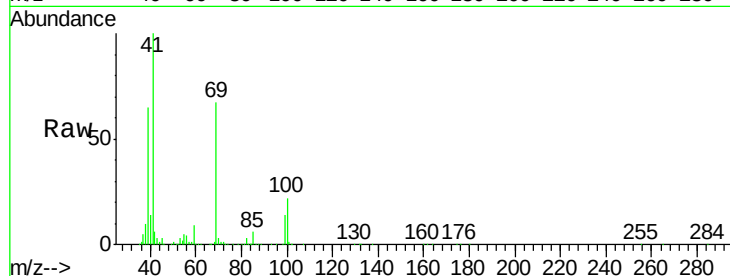
#43
Methyl Methacrylate
Concen: 10.792 ppbv
RT: 8.05 min Scan# 1638
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	150.0	118.2	177.2	
100	30.6	24.2	36.2	

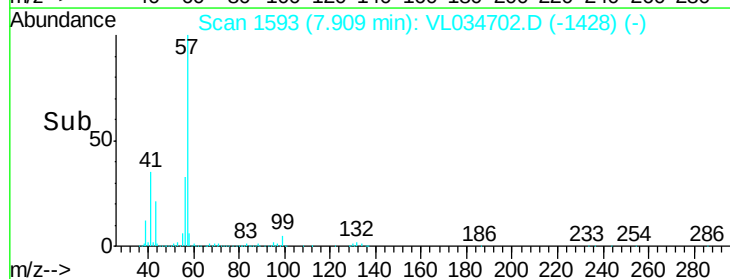
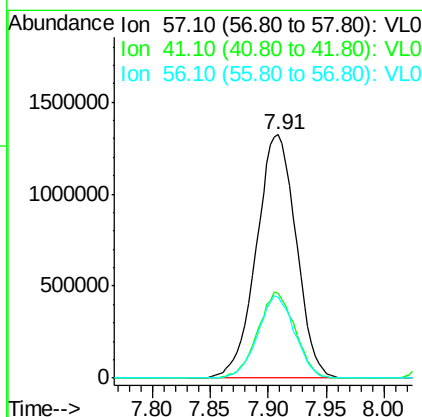
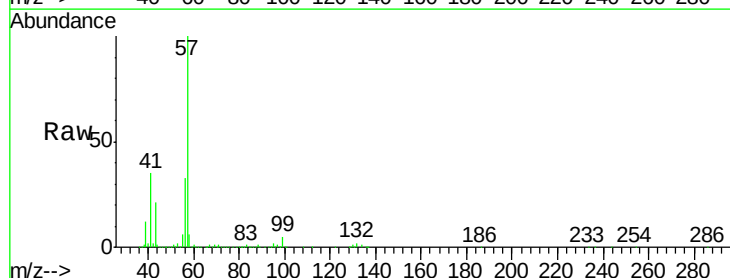
Manual Integrations
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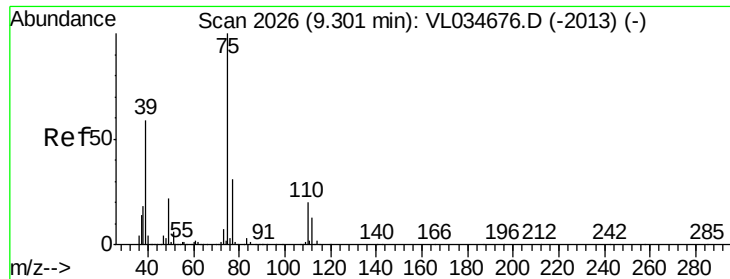
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#44
2,2,4-Trimethylpentane
Concen: 9.852 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.3	26.0	39.0	
56	31.5	25.6	38.4	





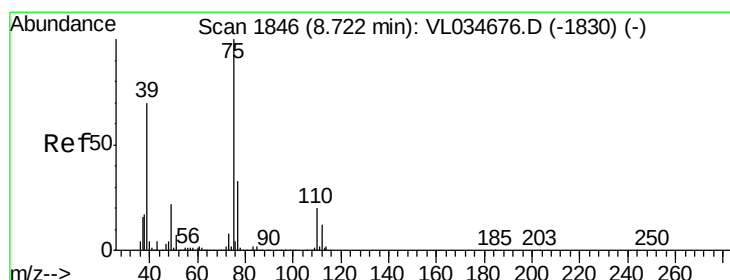
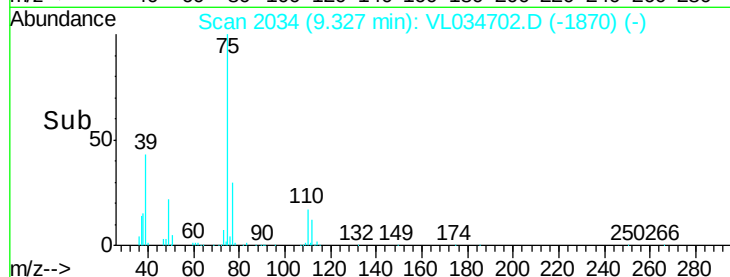
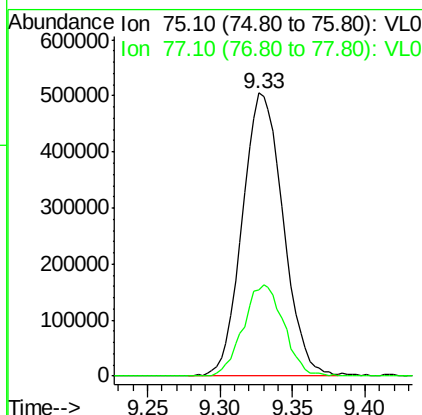
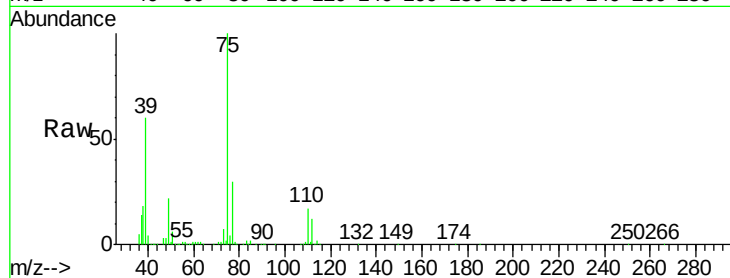
#45
t-1,3-Dichloropropene
Concen: 11.780 ppbv
RT: 9.33 min Scan# 2034
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 989420
Ion Ratio Lower Upper
75 100
77 30.5 25.3 37.9

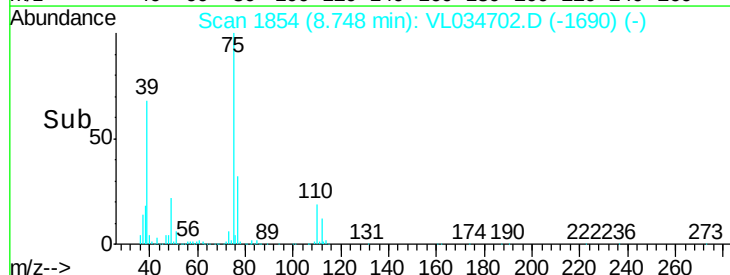
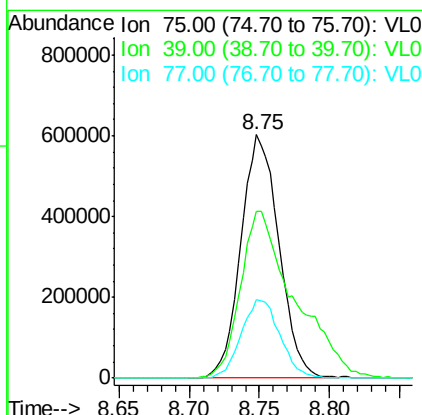
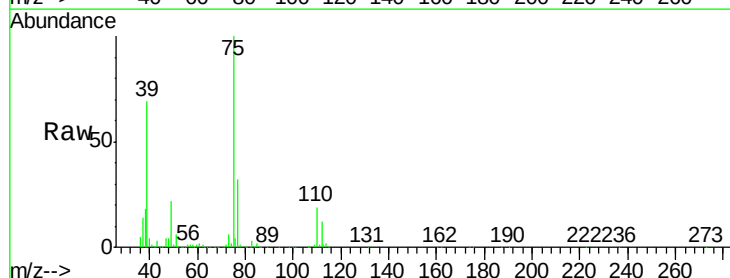
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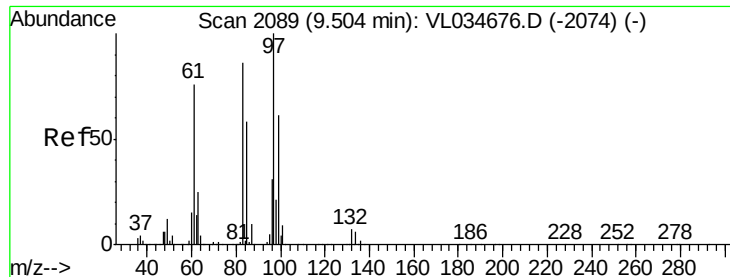
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.312 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion: 75 Resp: 1139450
Ion Ratio Lower Upper
75 100
39 68.7 55.7 83.5
77 32.0 26.3 39.5





#47

1,1,2-Trichloroethane

Concen: 9.811 ppbv

RT: 9.53 min Scan# 2096

Delta R.T. 0.02 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

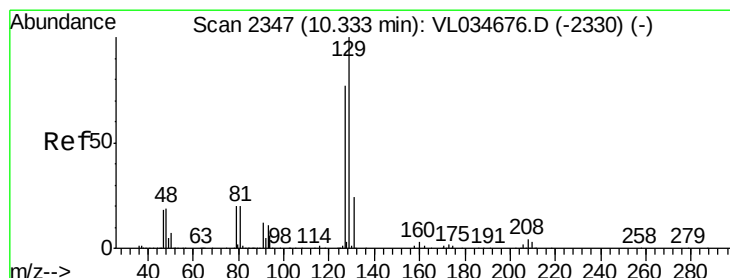
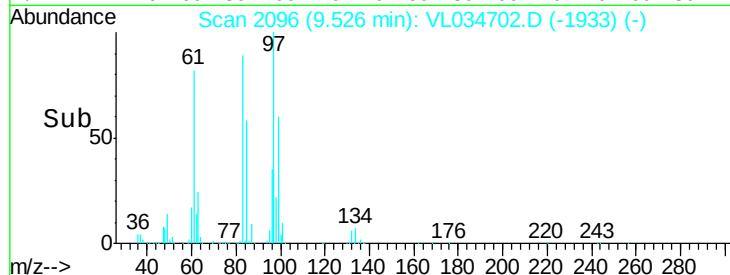
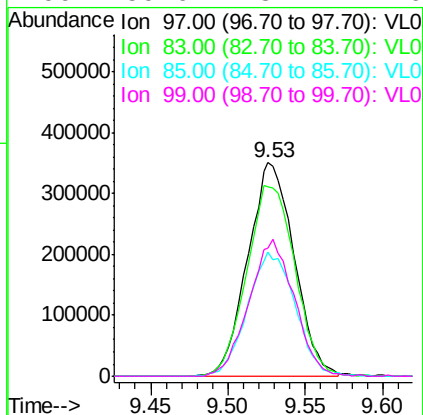
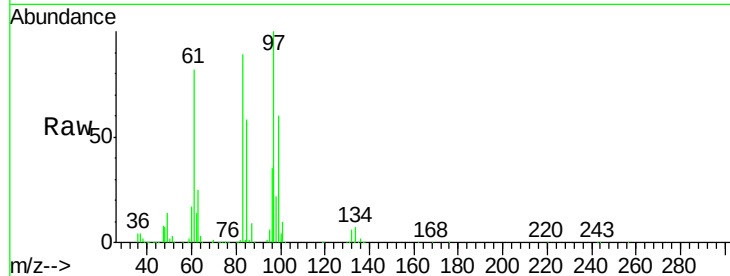
ClientSampleId :

VSTDCCC010EC

Tot Ion:	97	Resp:	732737
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.4	104.0
85	58.2	46.4	69.6
99	59.6	48.4	72.6

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#48

Dibromochloromethane

Concen: 10.290 ppbv

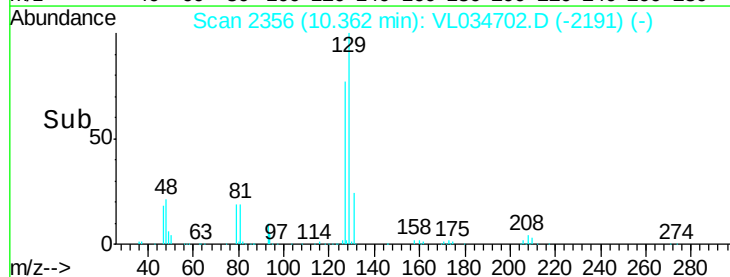
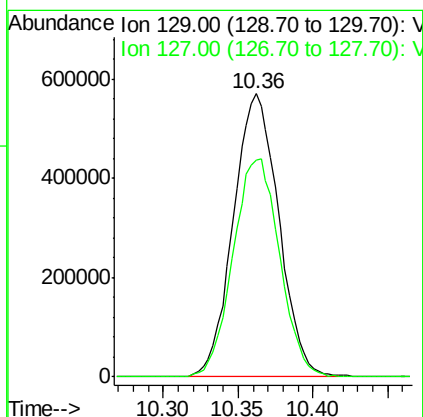
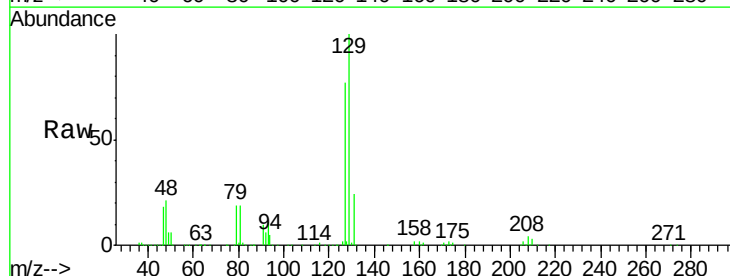
RT: 10.36 min Scan# 2356

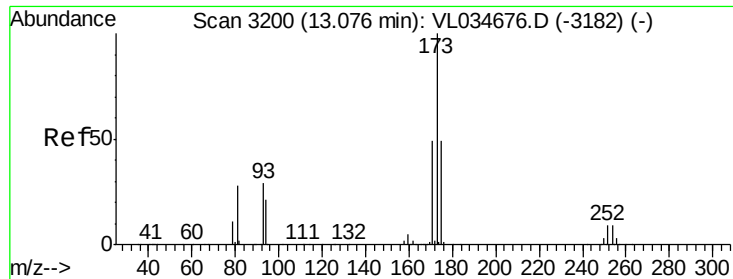
Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Tgt Ion:	129	Resp:	1195023
Ion	Ratio	Lower	Upper
129	100		
127	79.8	39.3	117.8





#49

Bromoform

Concen: 10.198 ppbv

RT: 13.11 min Scan# 3210

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1026866

Ion Ratio Lower Upper

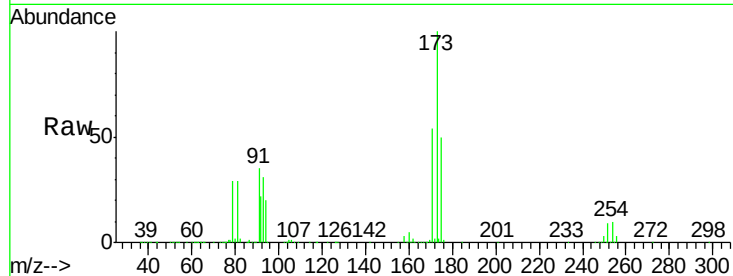
173 100

175 48.5 38.6 58.0

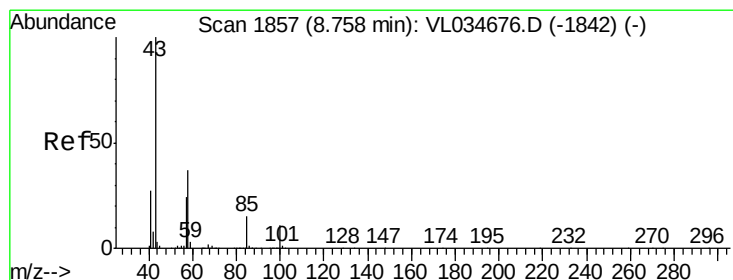
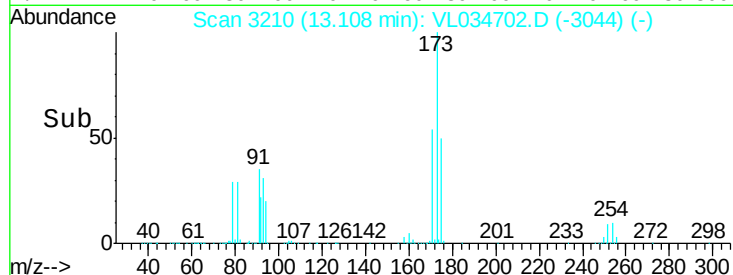
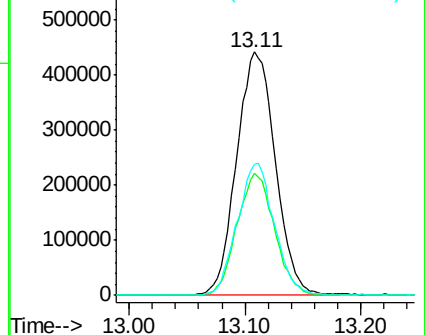
171 51.9 41.5 62.3

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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: 10.500 ppbv

RT: 8.78 min Scan# 1865

Delta R.T. 0.03 min

Lab File: VL034702.D

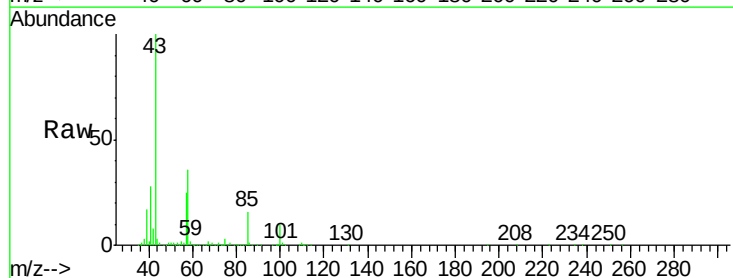
Acq: 27 Feb 2020 00:32

Tgt Ion: 43 Resp: 1983354

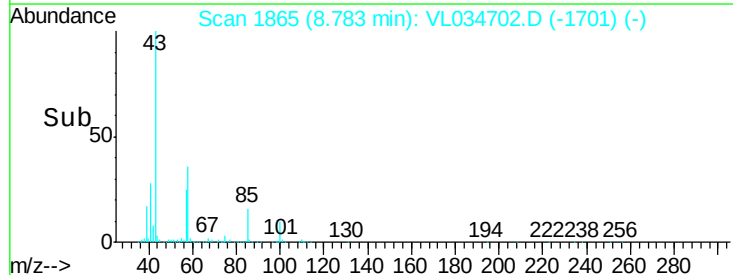
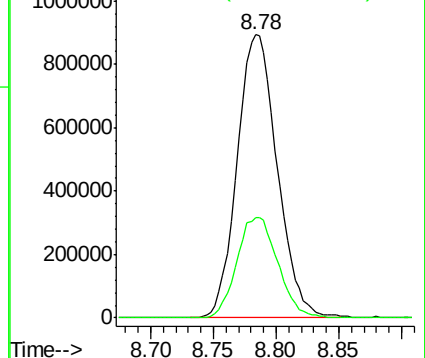
Ion Ratio Lower Upper

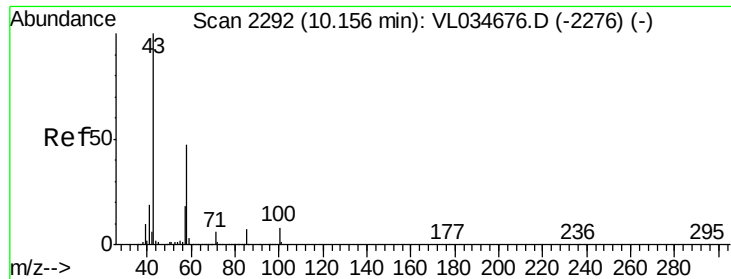
43 100

58 36.3 29.0 43.6



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





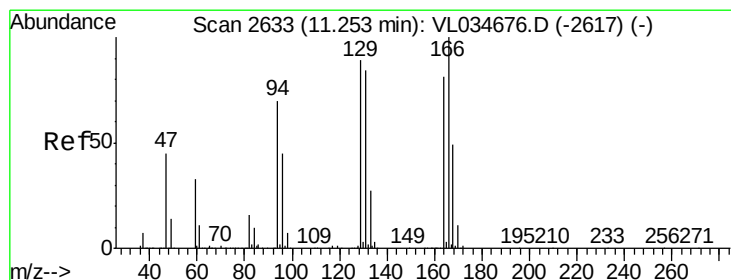
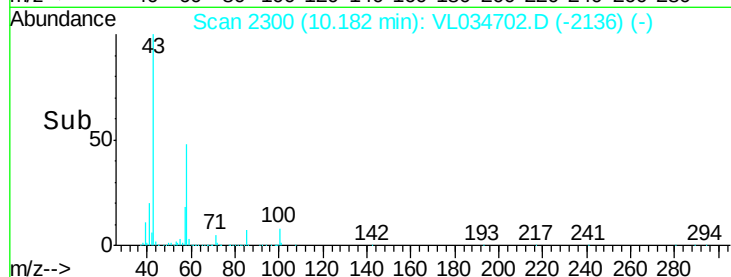
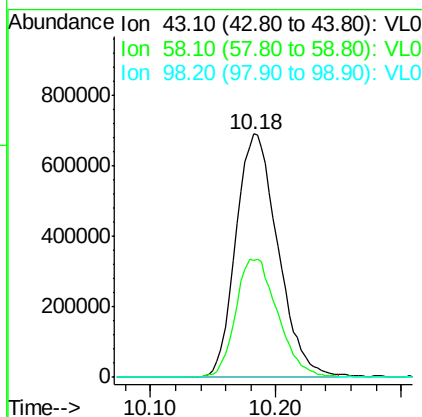
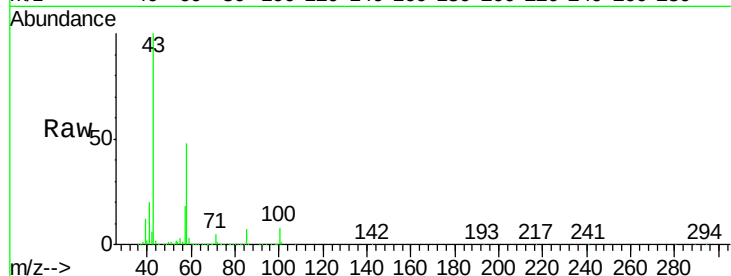
#51
2-Hexanone
Concen: 10.855 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1613584
Ion Ratio Lower Upper
43 100
58 48.7 39.4 59.0
98 0.2 0.2 0.2

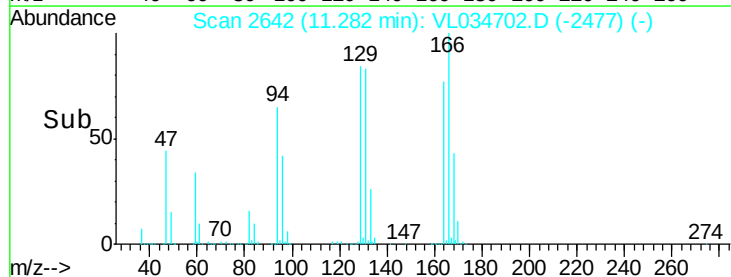
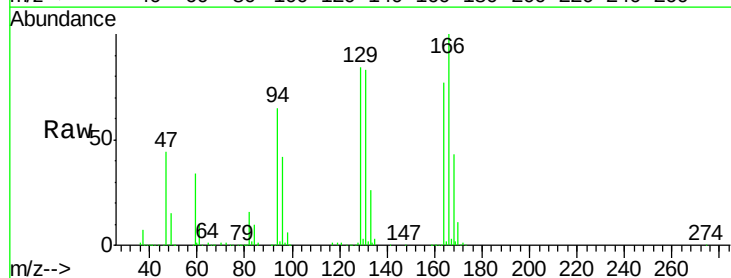
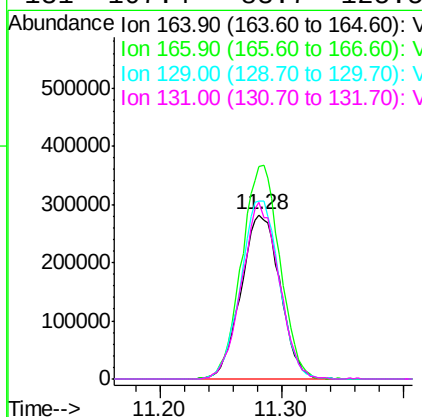
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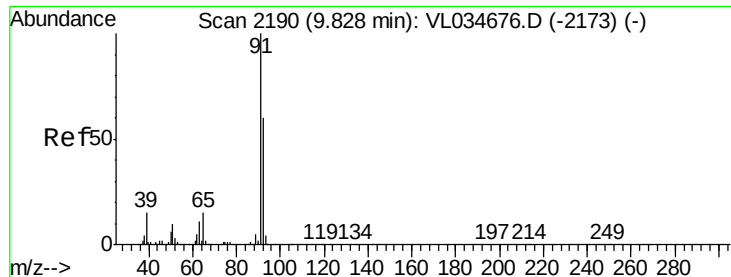
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#52
Tetrachloroethene
Concen: 9.265 ppbv
RT: 11.28 min Scan# 2642
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion: 164 Resp: 621430
Ion Ratio Lower Upper
164 100
166 129.3 99.2 148.8
129 108.3 88.0 132.0
131 107.4 83.7 125.5





#53

Toluene

Concen: 10.549 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2053044

Ion Ratio Lower Upper

91 100

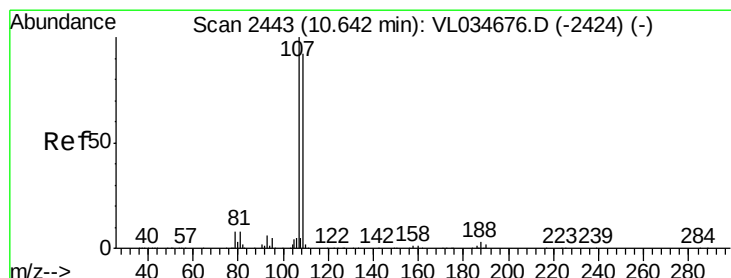
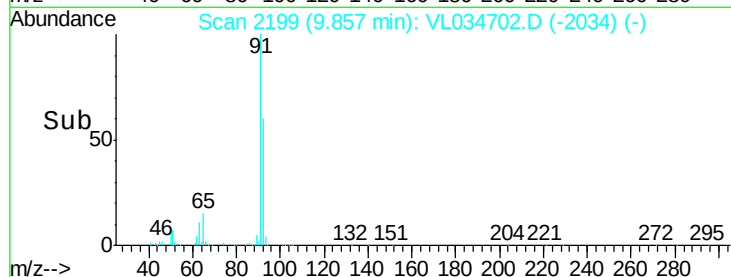
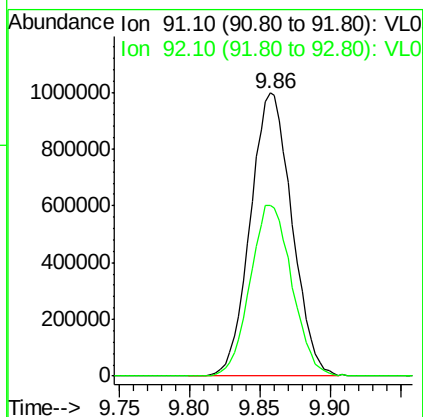
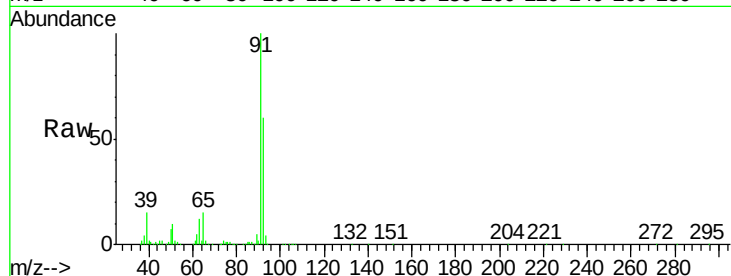
92 60.7 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 9.963 ppbv

RT: 10.67 min Scan# 2452

Delta R.T. 0.03 min

Lab File: VL034702.D

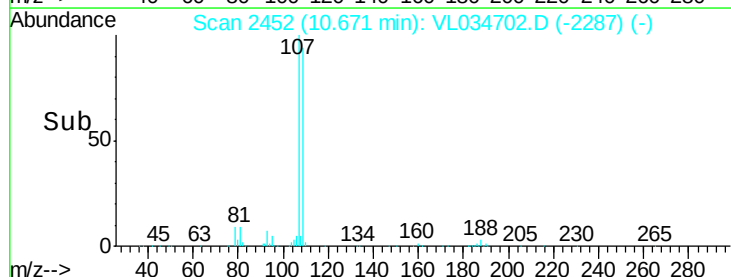
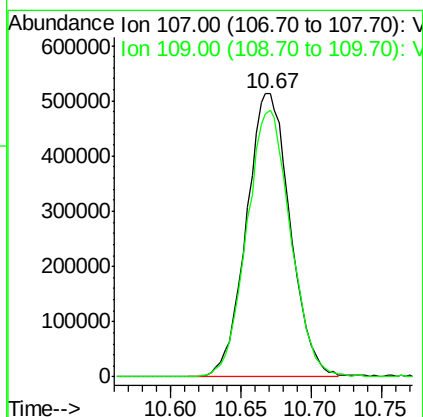
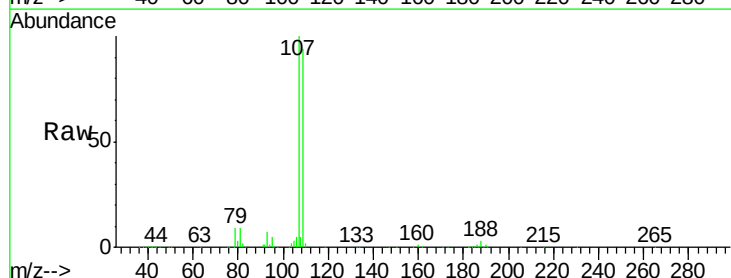
Acq: 27 Feb 2020 00:32

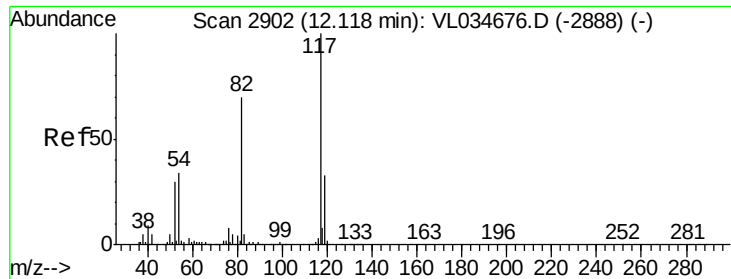
Tgt Ion: 107 Resp: 1110105

Ion Ratio Lower Upper

107 100

109 94.0 73.9 110.9





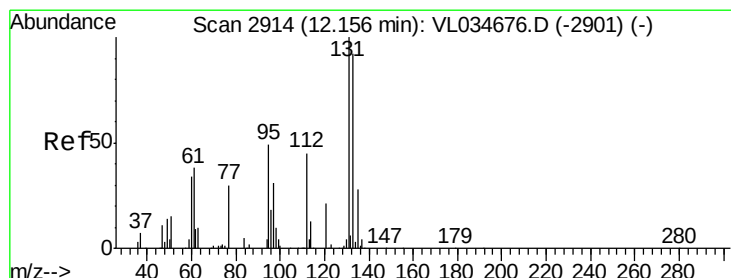
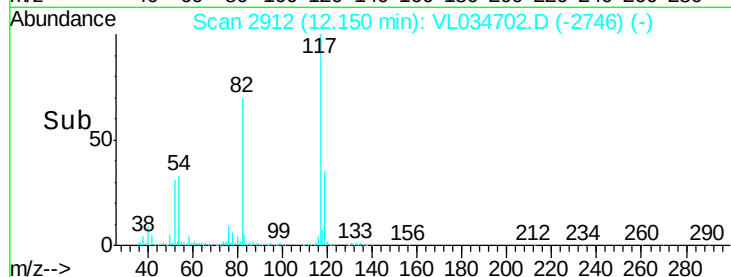
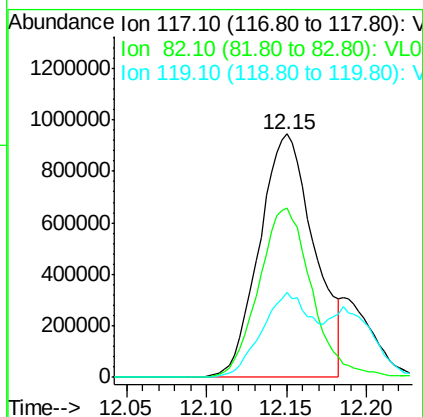
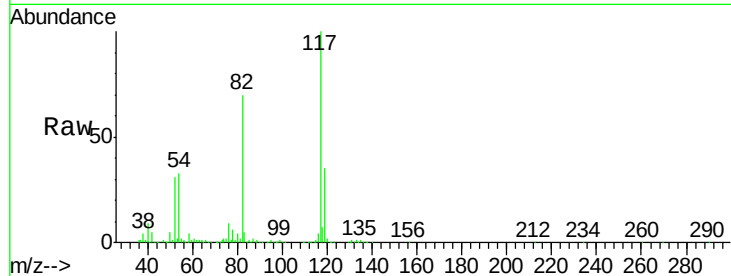
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.8	54.1	81.1
119	30.7	27.6	41.4

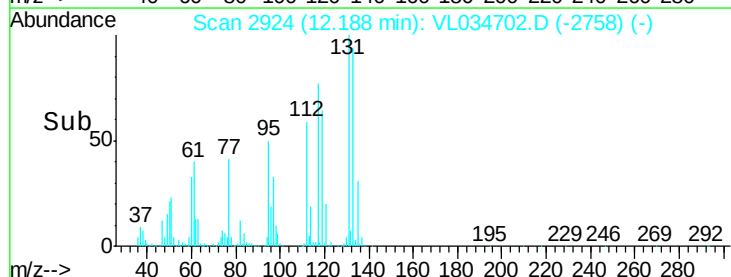
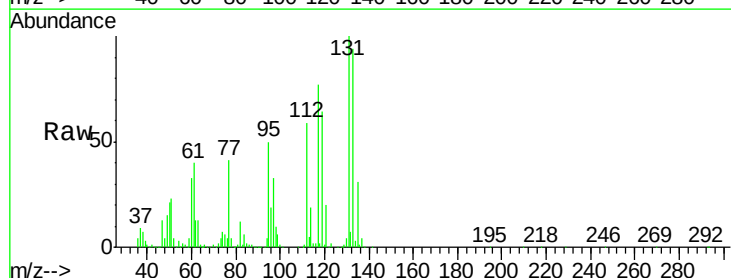
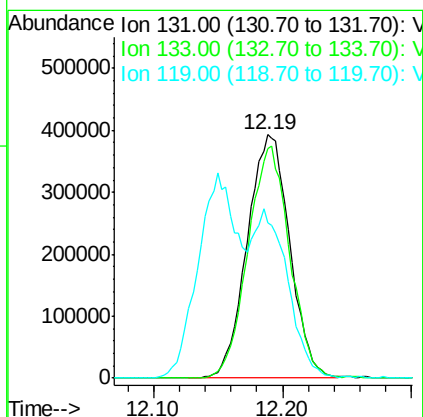
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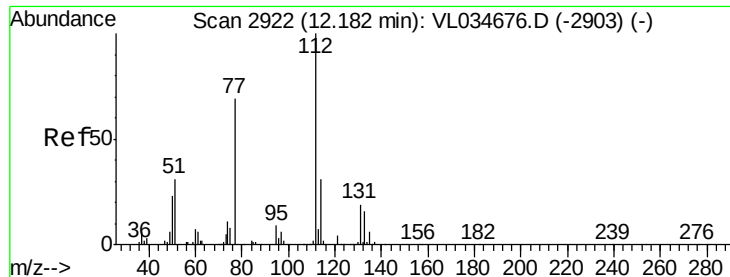
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.435 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	76.6	114.8
119	62.0	51.3	76.9





#57

Chlorobenzene

Concen: 8.974 ppbv

RT: 12.21 min Scan# 2930

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 1487068

Ion Ratio Lower Upper

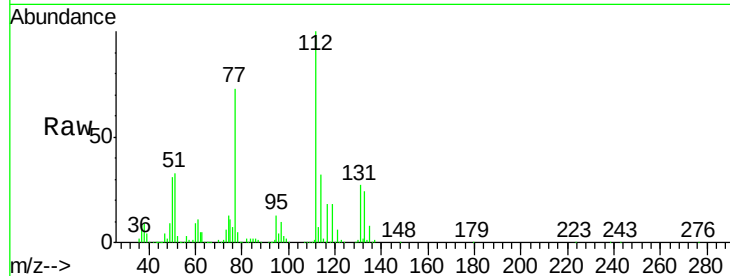
112 100

77 72.0 56.5 84.7

114 31.9 28.1 34.3

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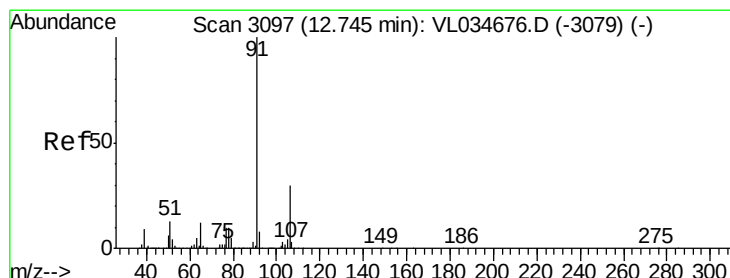
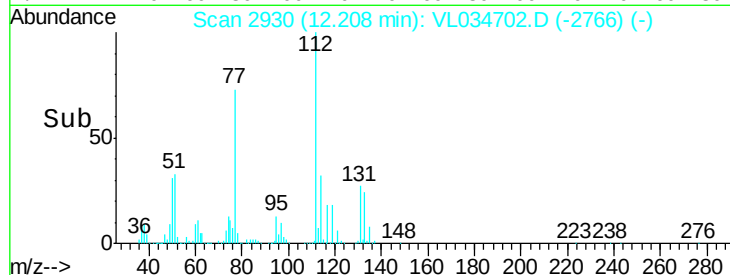
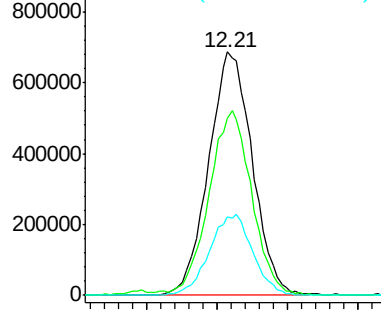
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.013 ppbv m

RT: 12.78 min Scan# 3107

Delta R.T. 0.03 min

Lab File: VL034702.D

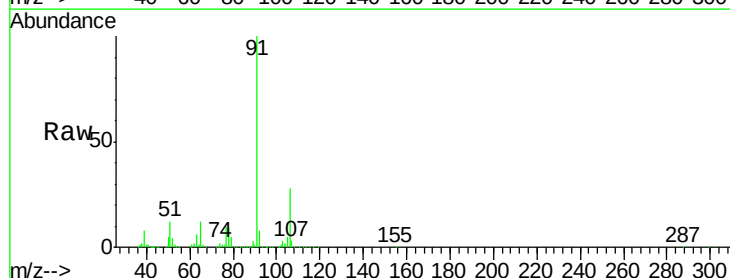
Acq: 27 Feb 2020 00:32

Tgt Ion: 91 Resp: 2715882

Ion Ratio Lower Upper

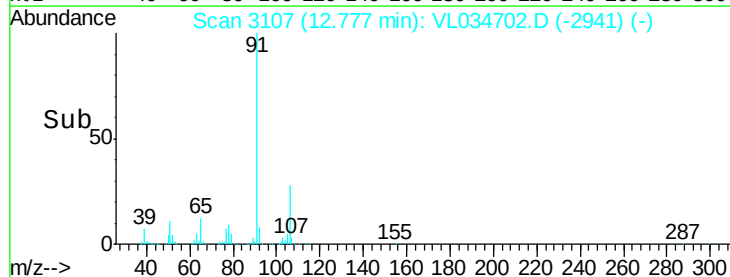
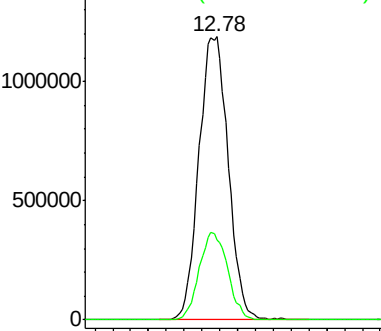
91 100

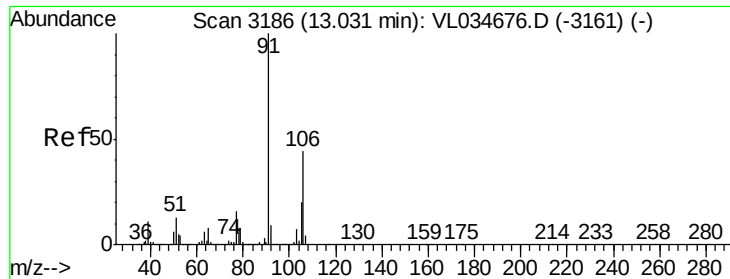
106 28.1 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





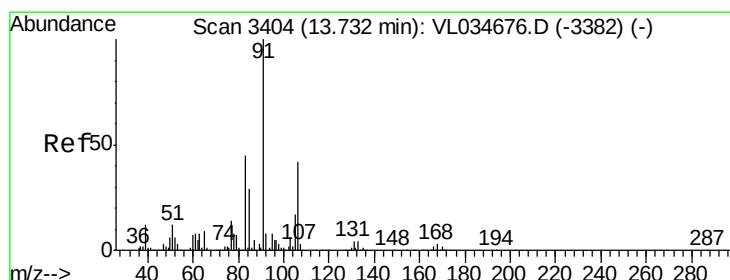
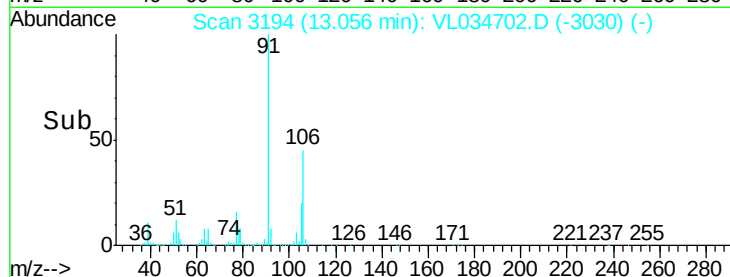
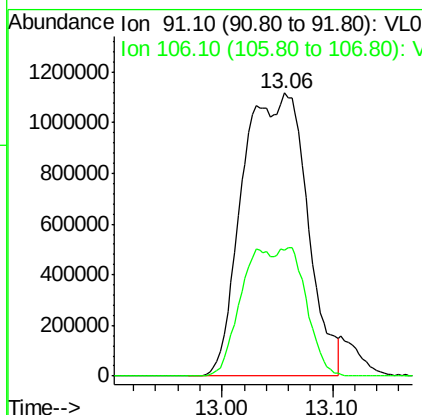
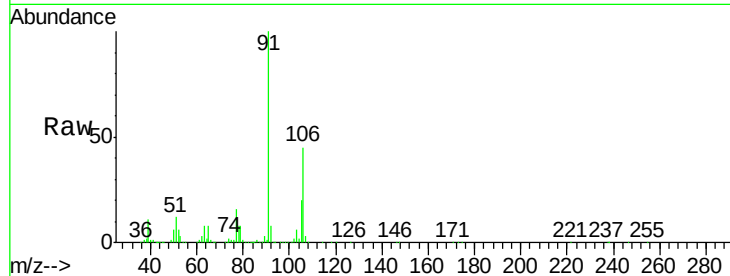
#59
m/p-Xylene
Concen: 19.138 ppbv m
RT: 13.06 min Scan# 3194
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4527447
Ion Ratio Lower Upper
91 100
106 44.4 35.6 53.4

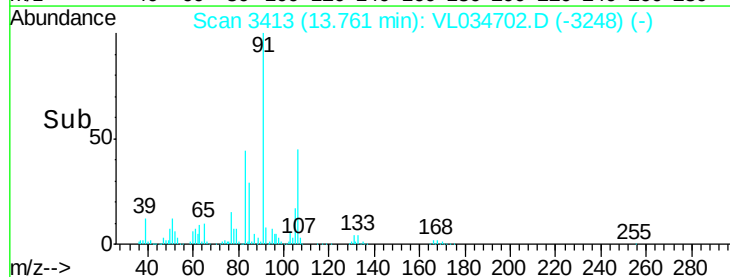
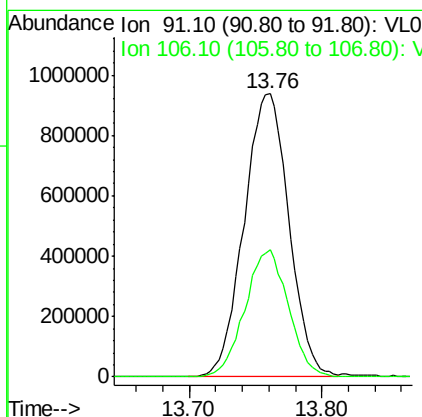
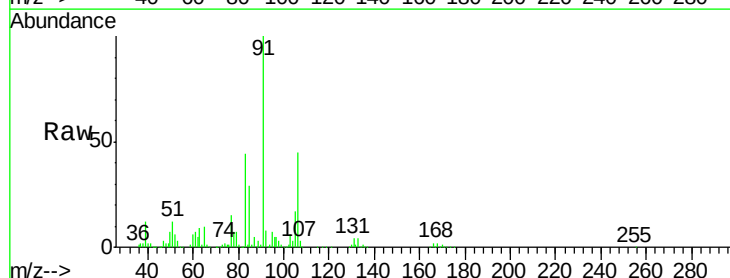
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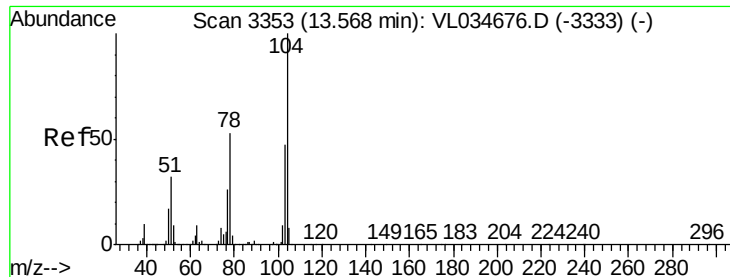
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#60
o-Xylene
Concen: 9.401 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion: 91 Resp: 2206991
Ion Ratio Lower Upper
91 100
106 43.5 21.9 65.5





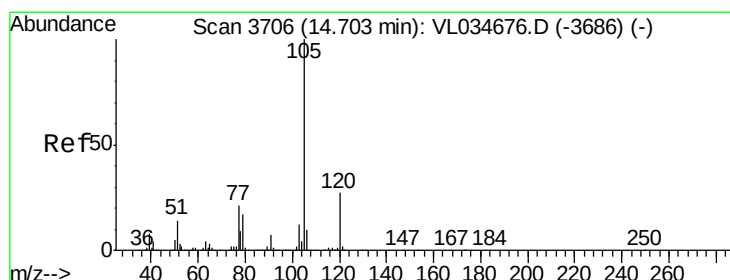
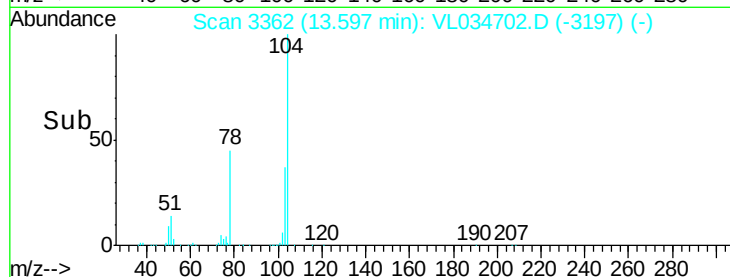
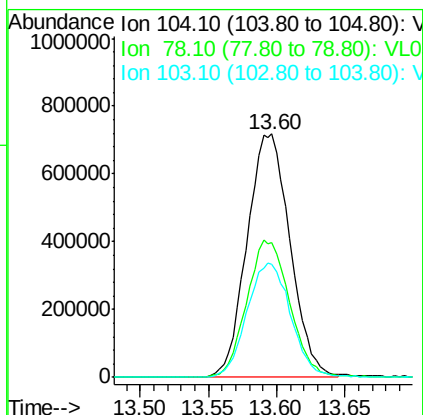
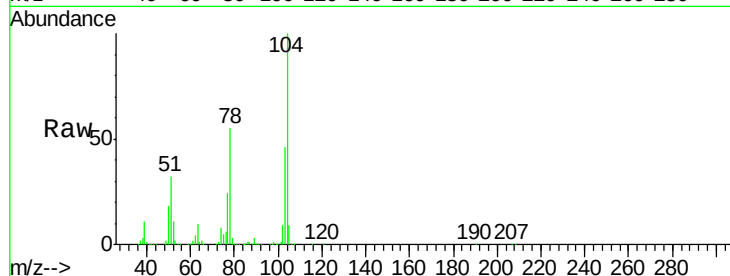
#61
Stvrene
Concen: 10.422 ppbv
RT: 13.60 min Scan# 3362
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.4	44.2	66.4
103	47.8	37.4	56.0

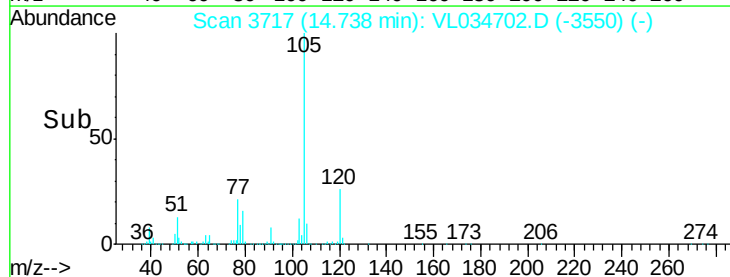
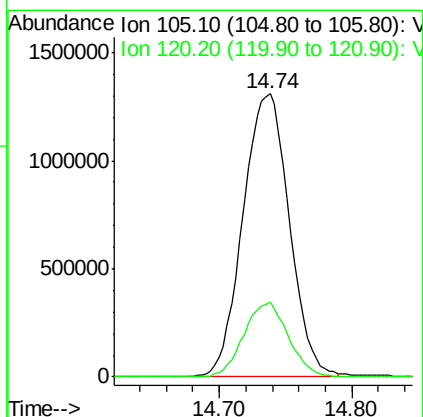
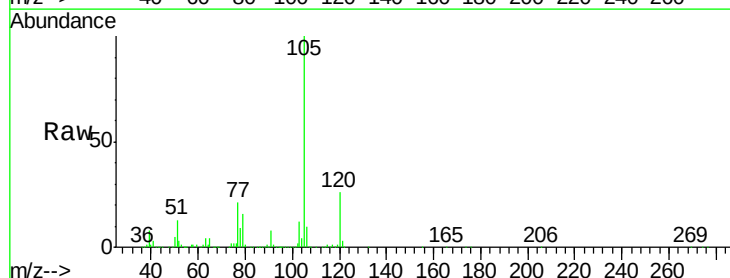
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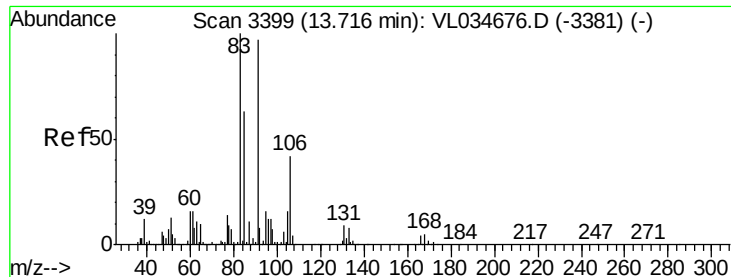
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#62
Isopropylbenzene
Concen: 9.315 ppbv
RT: 14.74 min Scan# 3717
Delta R.T. 0.04 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.2	30.4





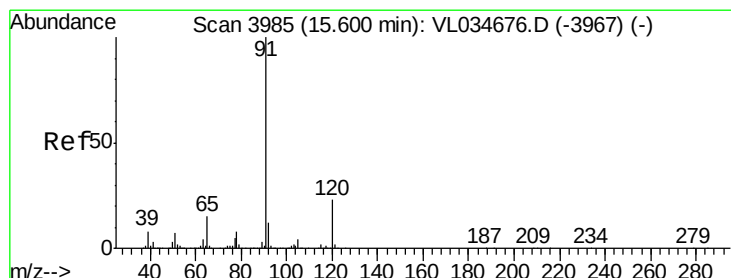
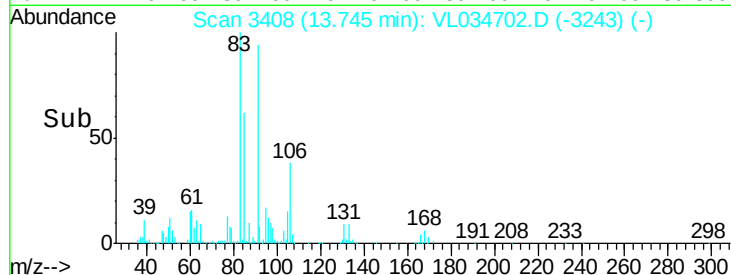
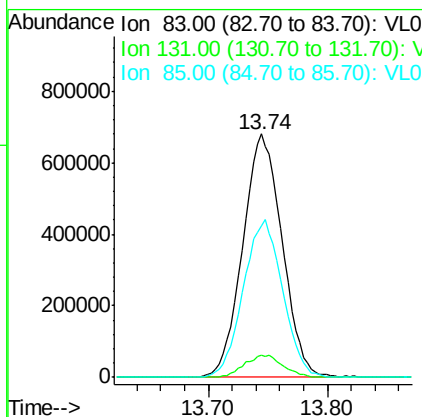
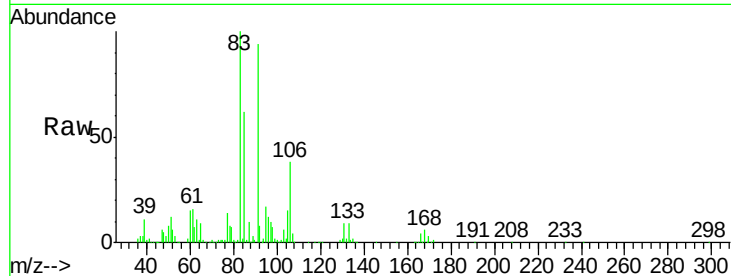
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.502 ppbv
 RT: 13.74 min Scan# 3408
 Delta R.T. 0.03 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	1555596
Ion Ratio	100	Lower	Upper
83	100		
131	9.0	4.4	13.2
85	64.8	32.5	97.5

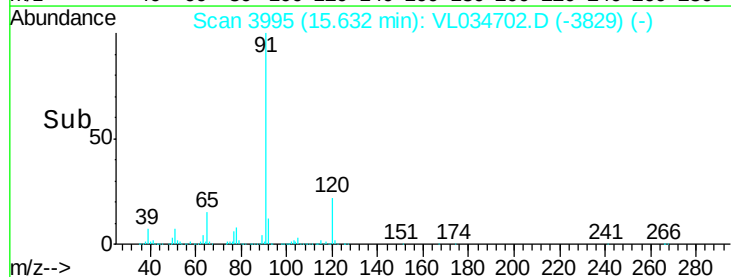
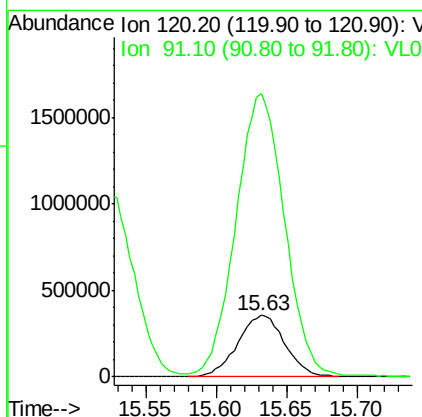
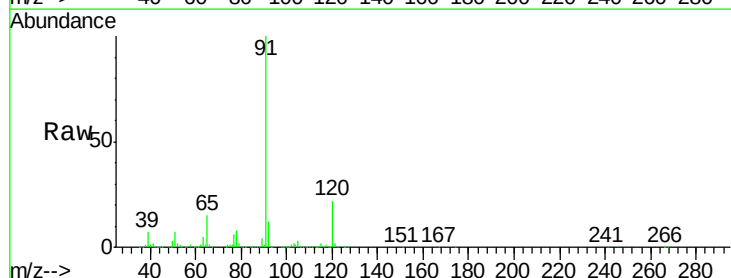
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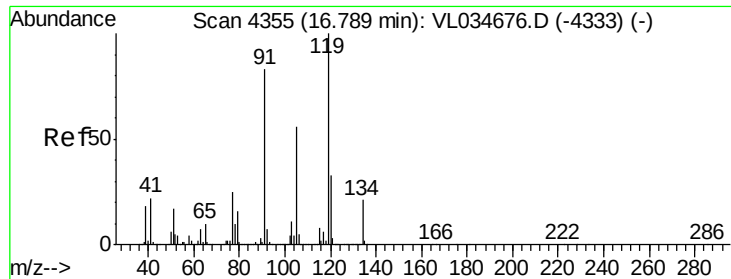
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#64
 n-propylbenzene
 Concen: 9.410 ppbv
 RT: 15.63 min Scan# 3995
 Delta R.T. 0.03 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Tgt Ion	120	Resp	830760
Ion Ratio	100	Lower	Upper
120	100		
91	477.9	369.8	554.8





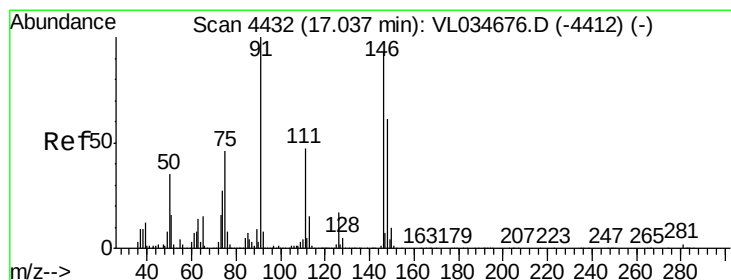
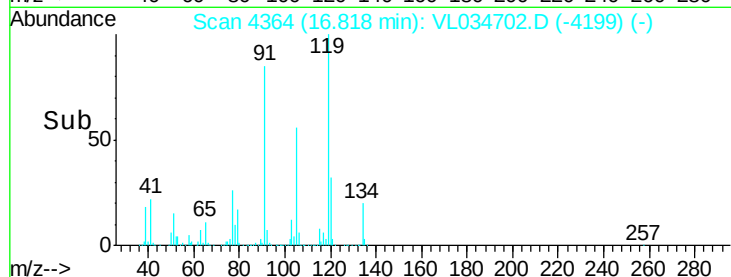
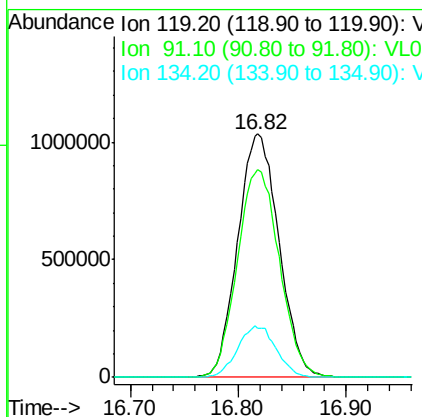
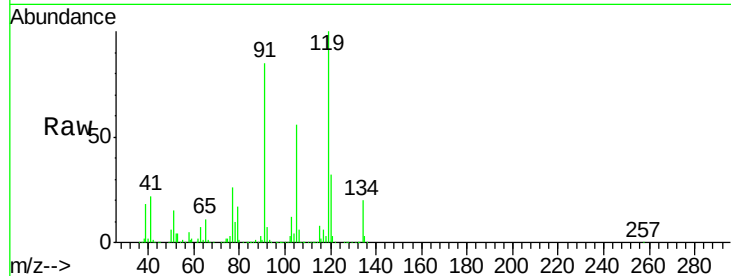
#65
 tert-Butylbenzene
 Concen: 9.298 ppbv
 RT: 16.82 min Scan# 4364
 Delta R.T. 0.03 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 2749525
 Ion Ratio Lower Upper
 119 100
 91 87.3 69.1 103.7
 134 19.7 15.8 23.8

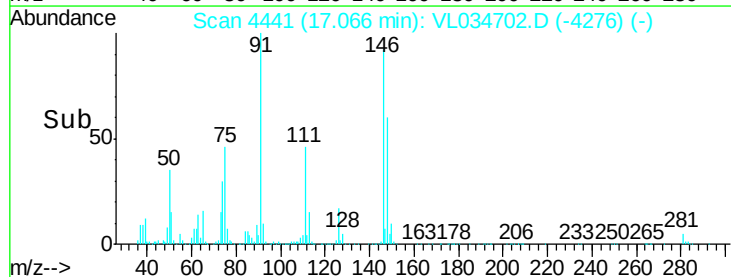
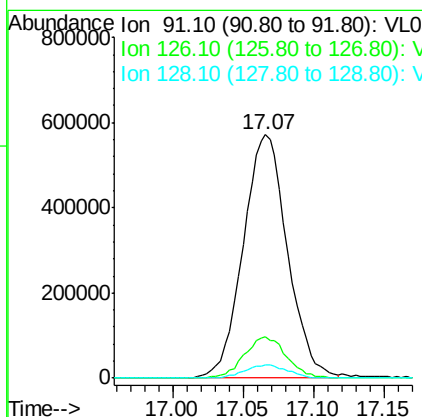
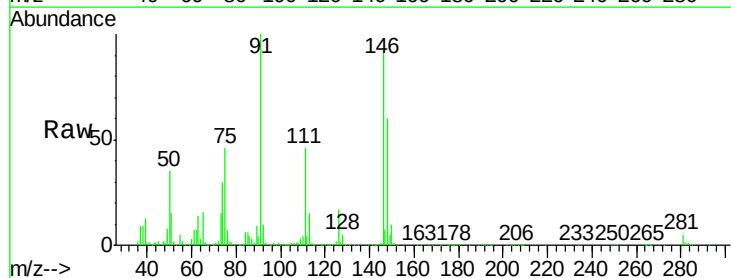
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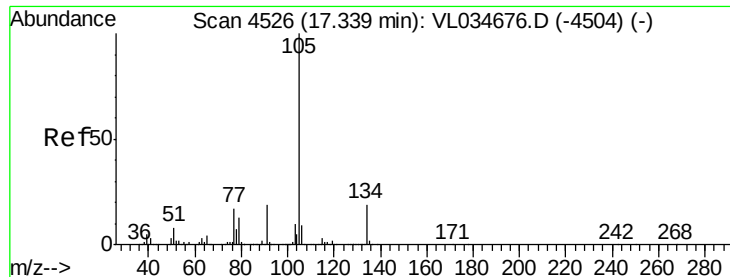
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#66
 Benzyl Chloride
 Concen: 11.339 ppbv
 RT: 17.07 min Scan# 4441
 Delta R.T. 0.03 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Tgt Ion: 91 Resp: 1250709
 Ion Ratio Lower Upper
 91 100
 126 16.3 13.5 20.3
 128 5.3 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.303 ppbv

RT: 17.37 min Scan# 4535

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 3958470

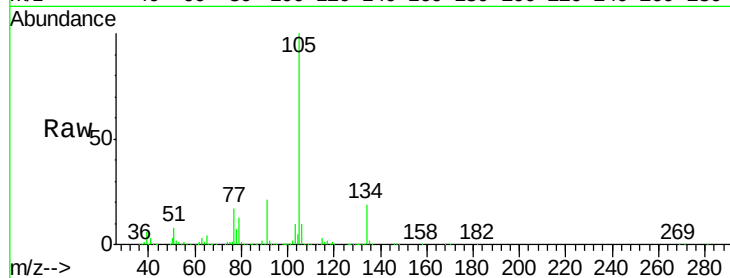
Ion Ratio Lower Upper

105 100

134 18.1 14.8 22.2

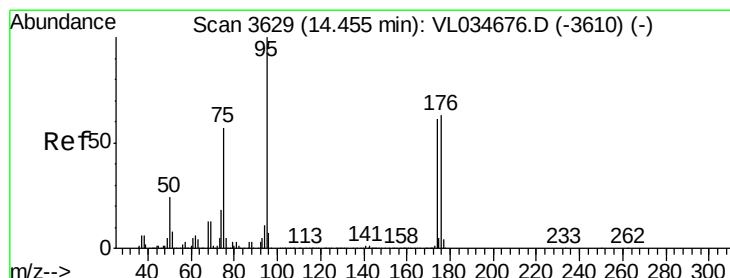
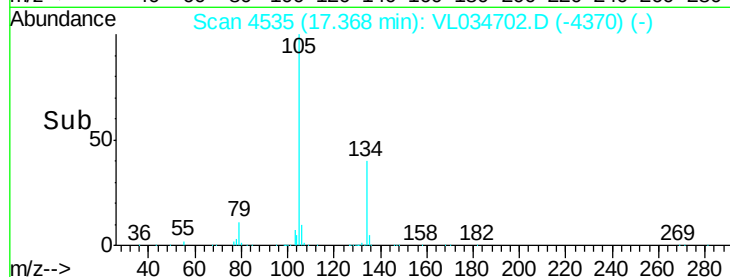
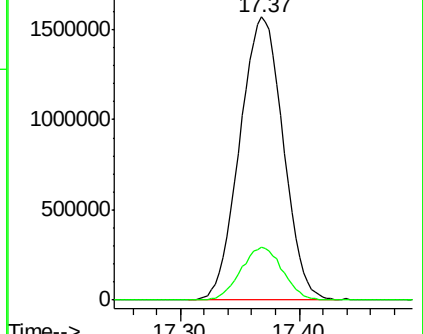
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.791 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

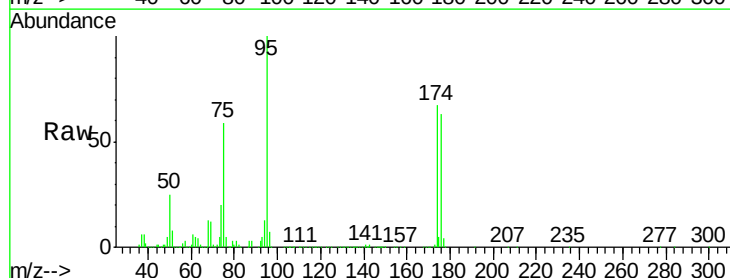
Tgt Ion: 95 Resp: 1799835

Ion Ratio Lower Upper

95 100

174 63.8 50.7 76.1

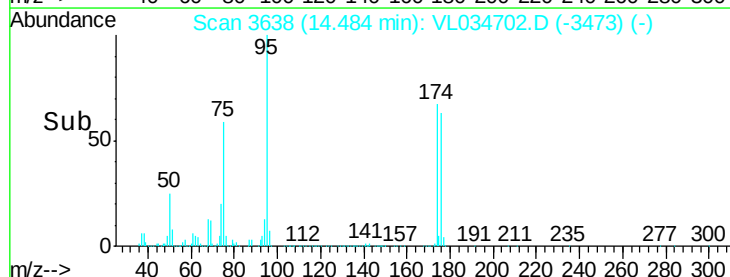
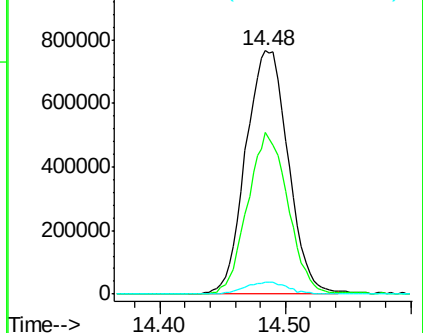
175 4.9 3.9 5.9

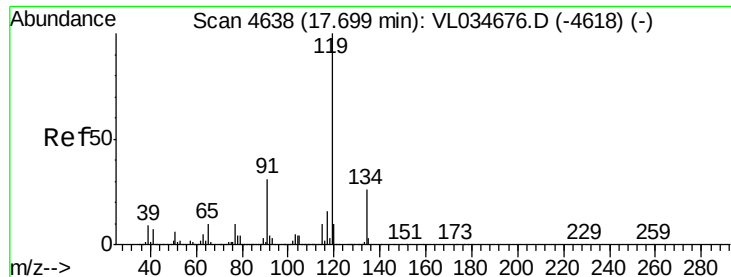


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





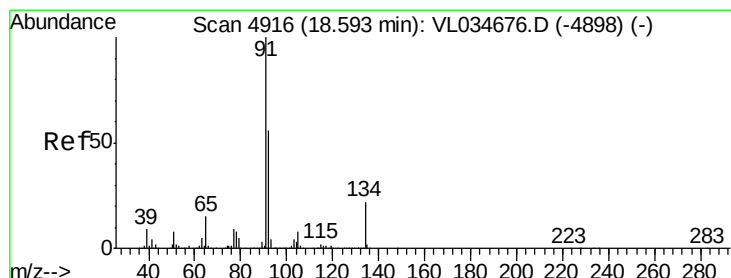
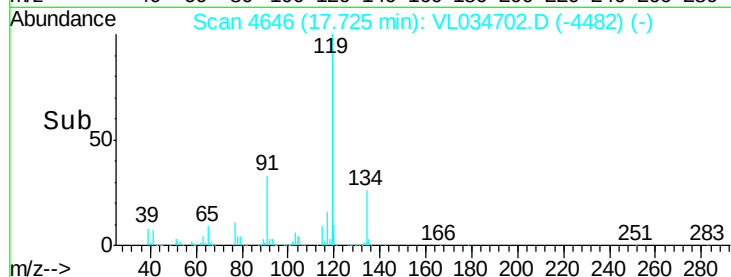
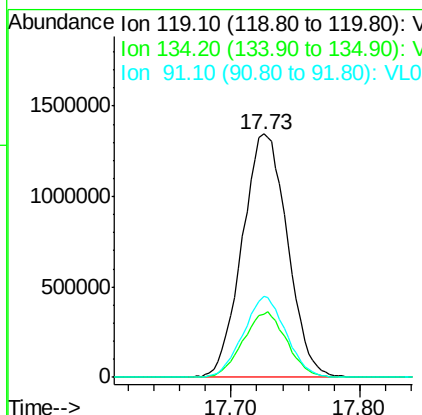
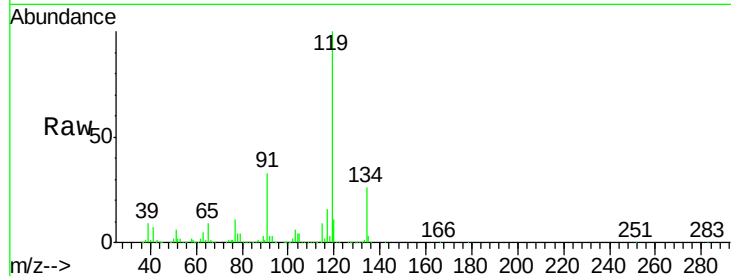
#69
 p-Isopropyltoluene
 Concen: 9.356 ppbv
 RT: 17.73 min Scan# 4646
 Delta R.T. 0.03 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	31.0
91	31.7	25.3	37.9

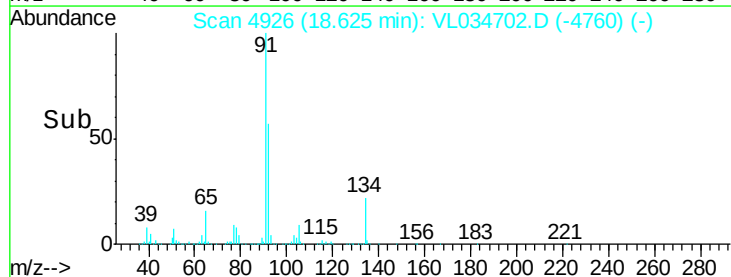
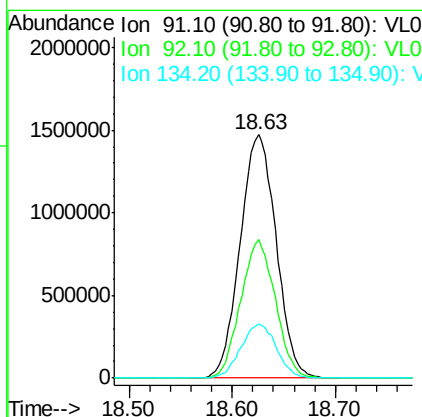
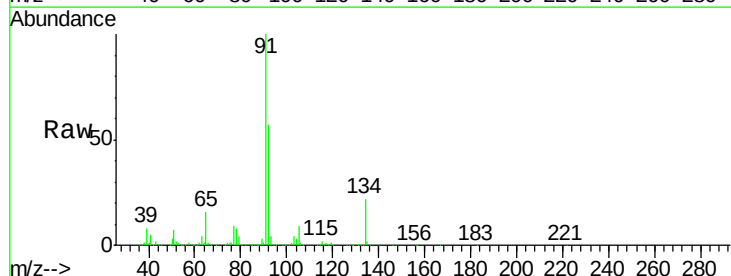
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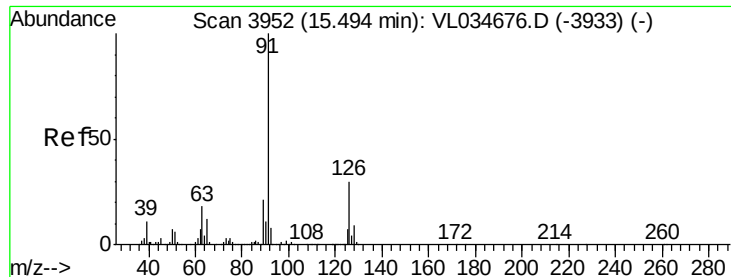
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#70
 n-Butylbenzene
 Concen: 9.371 ppbv
 RT: 18.63 min Scan# 4926
 Delta R.T. 0.03 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.8	65.6
134	21.9	17.6	26.4





#71

2-Chlorotoluene

Concen: 9.387 ppbv

RT: 15.52 min Scan# 3961

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2489676

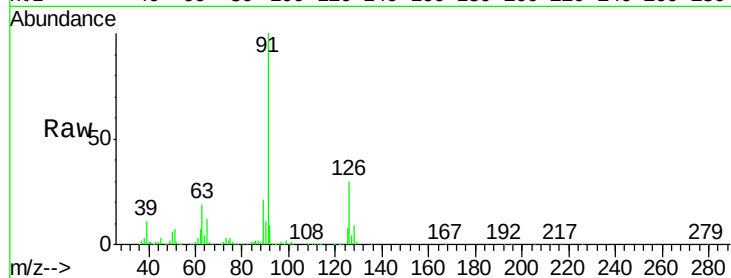
Ion Ratio Lower Upper

91 100

126 29.6 11.8 47.2

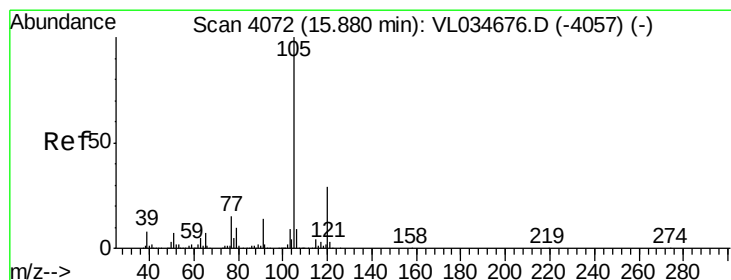
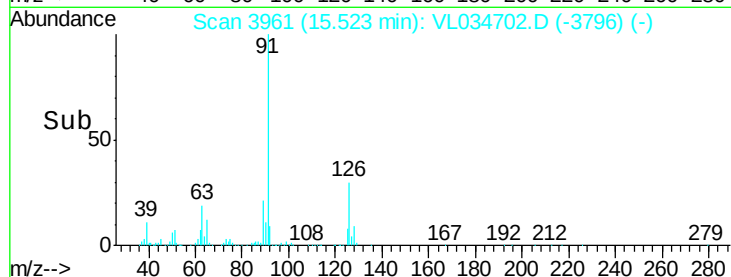
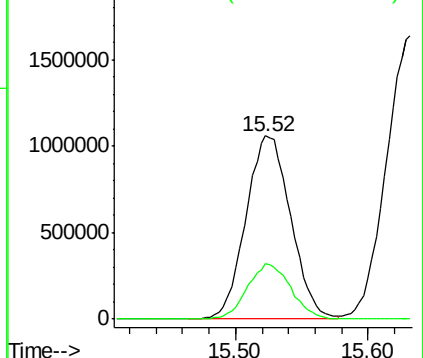
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.797 ppbv

RT: 15.91 min Scan# 4081

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Tgt Ion:105 Resp: 2559767

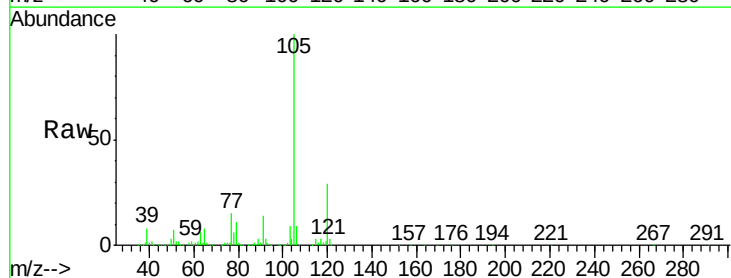
Ion Ratio Lower Upper

105 100

120 28.9 23.7 35.5

91 14.5 10.9 16.3

77 15.2 12.2 18.2

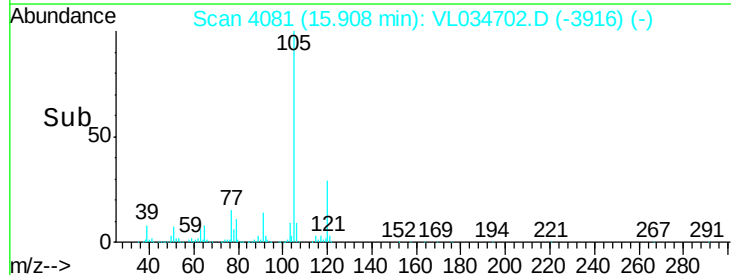
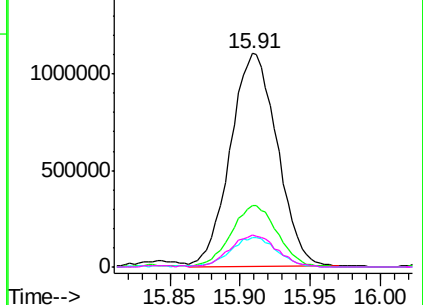


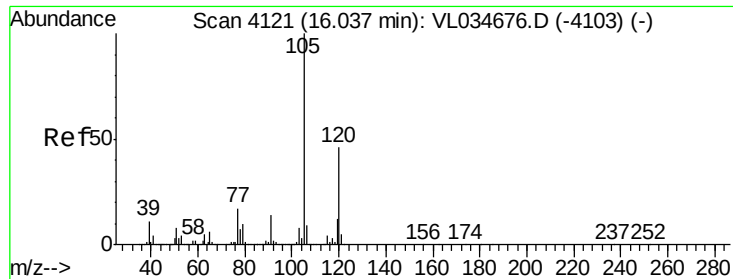
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 9.662 ppbv

RT: 16.07 min Scan# 4130

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2428624

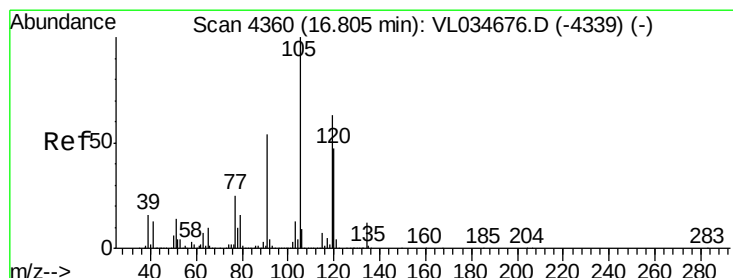
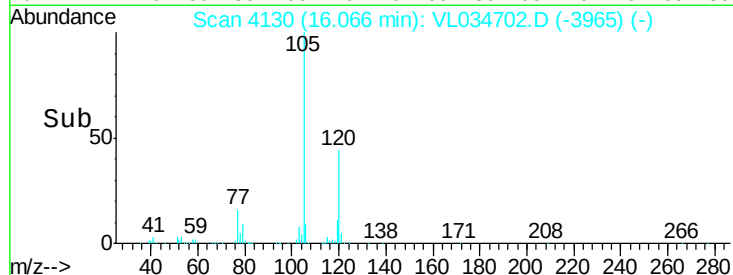
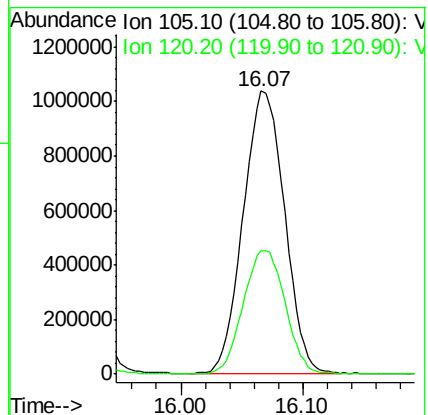
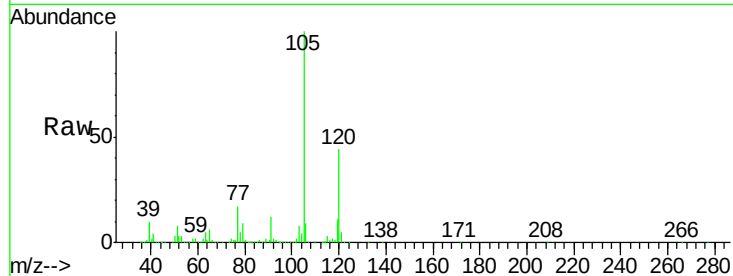
Ion Ratio Lower Upper

105 100

120 43.8 37.1 55.7

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#74

1,2,4-Trimethylbenzene

Concen: 9.179 ppbv

RT: 16.84 min Scan# 4370

Delta R.T. 0.03 min

Lab File: VL034702.D

Acq: 27 Feb 2020 00:32

Tgt Ion:105 Resp: 2548097

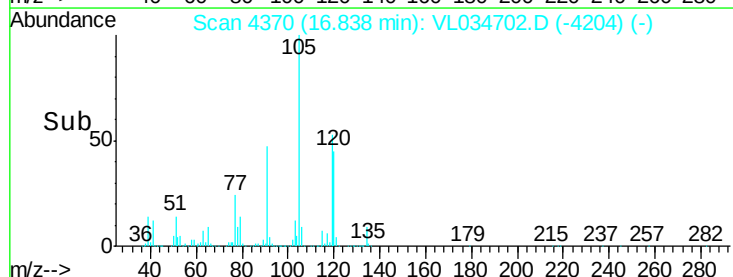
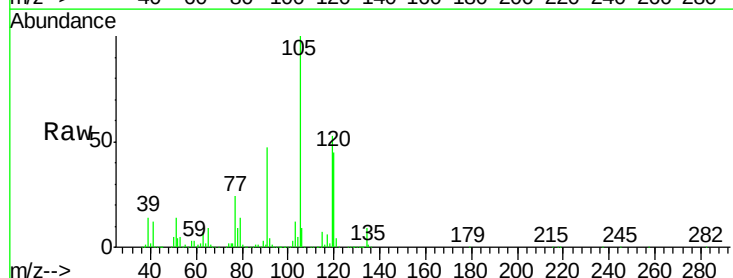
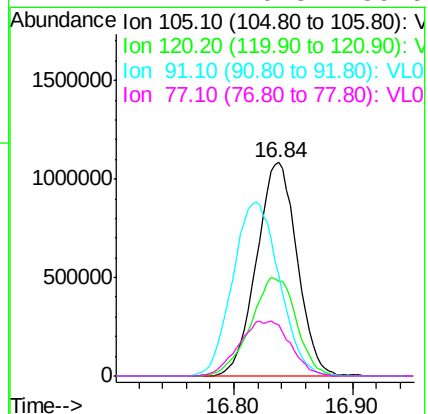
Ion Ratio Lower Upper

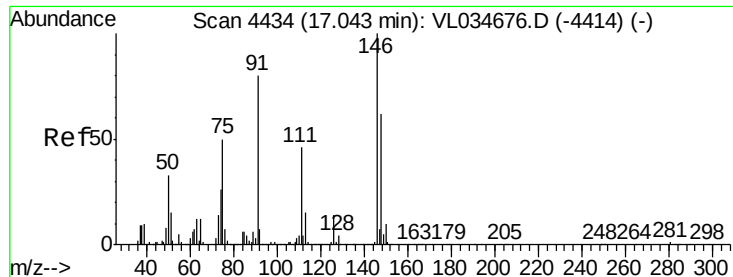
105 100

120 44.5 37.9 56.9

91 47.0 43.9 65.9

77 24.1 20.3 30.5





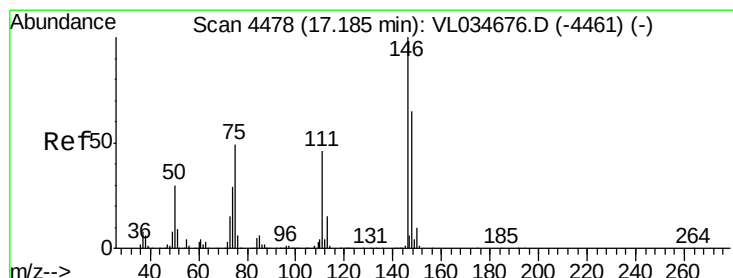
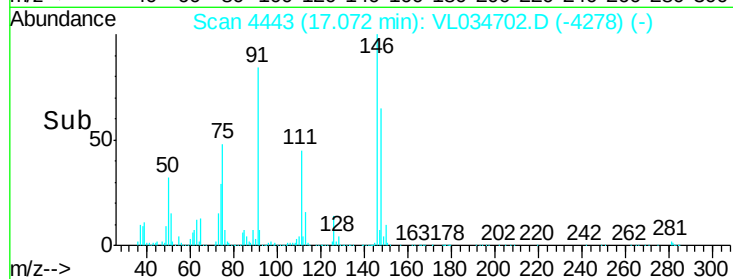
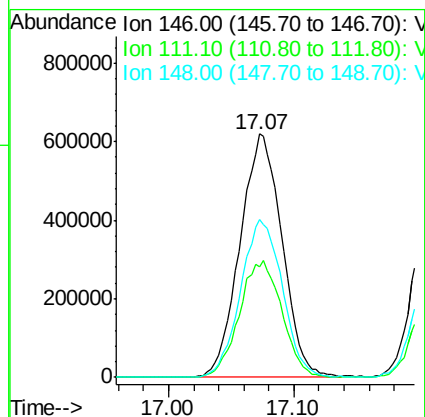
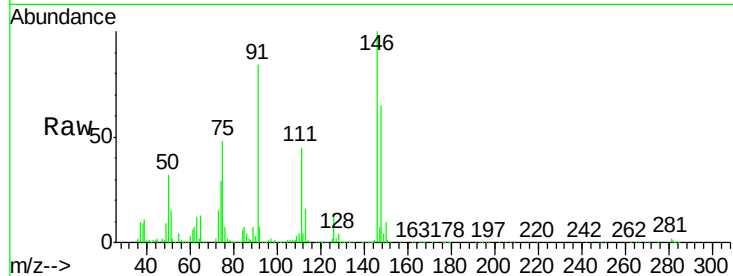
#75
 1,3-Dichlorobenzene
 Concen: 8.955 ppbv
 RT: 17.07 min Scan# 4443
 Delta R.T. 0.03 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.4	73.2
148	65.0	32.5	97.4

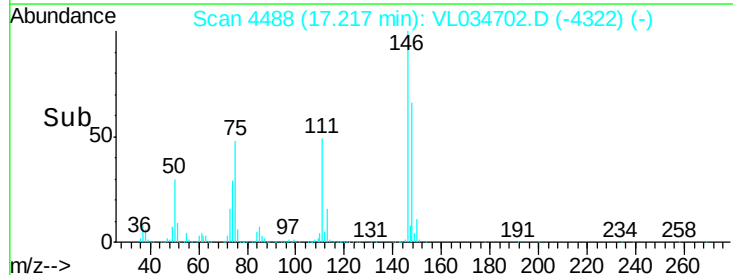
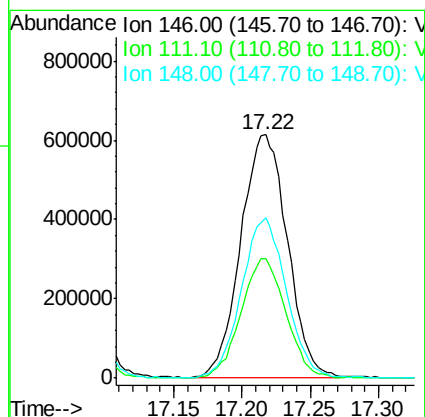
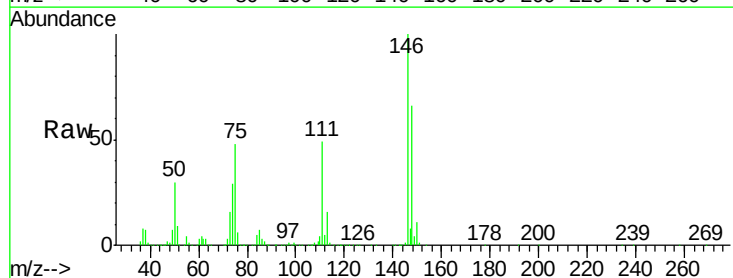
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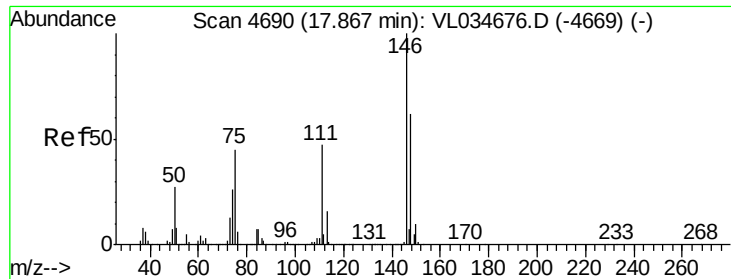
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#76
 1,4-Dichlorobenzene
 Concen: 9.015 ppbv
 RT: 17.22 min Scan# 4488
 Delta R.T. 0.03 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.0	23.4	70.0
148	64.0	31.9	95.5





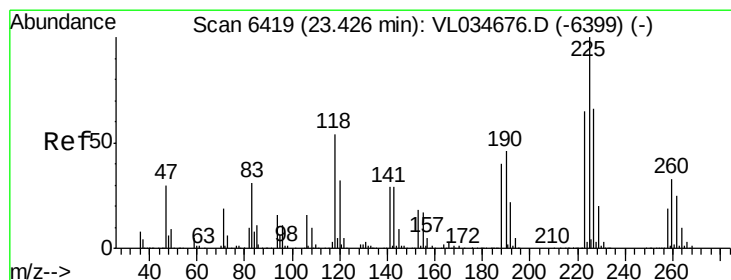
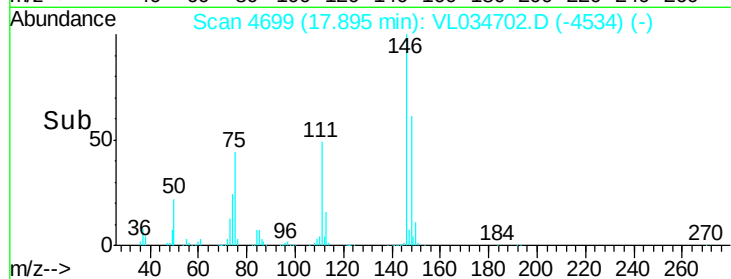
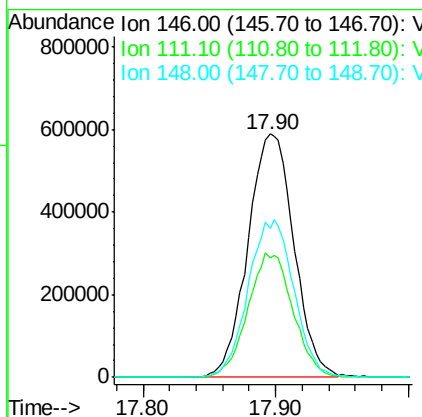
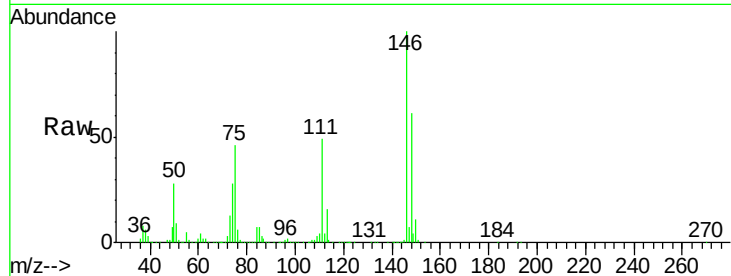
#77
 1,2-Dichlorobenzene
 Concen: 9.206 ppbv
 RT: 17.90 min Scan# 4699
 Delta R.T. 0.03 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1426121
 Ion Ratio Lower Upper
 146 100
 111 49.9 24.9 74.7
 148 64.8 32.0 96.0

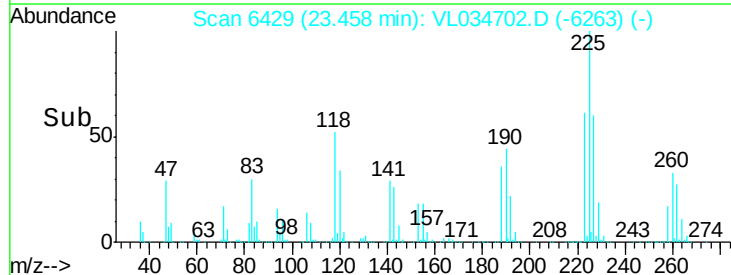
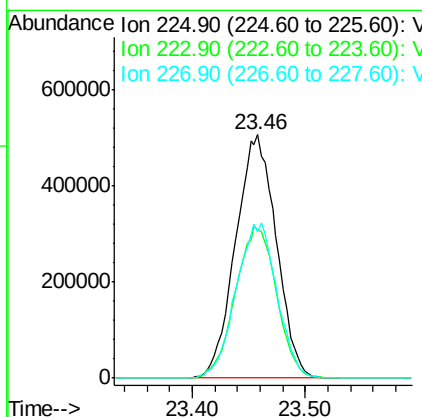
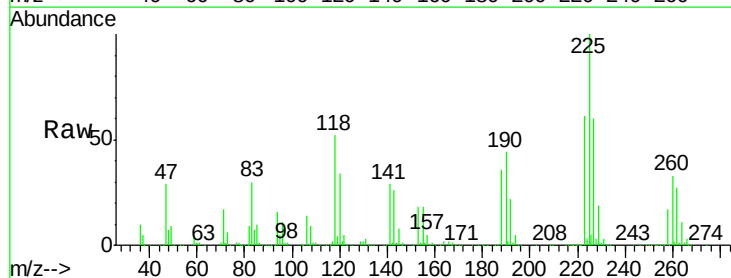
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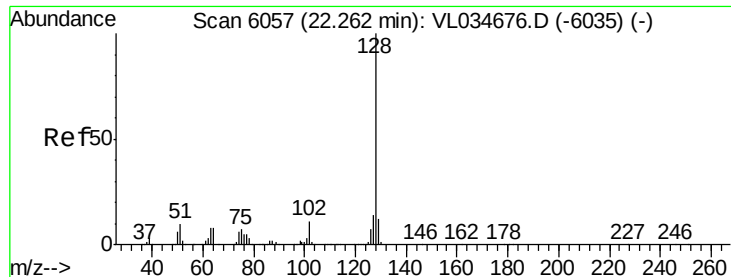
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.400 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. 0.03 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Tgt Ion:225 Resp: 1267928
 Ion Ratio Lower Upper
 225 100
 223 62.7 51.3 76.9
 227 64.2 51.3 76.9





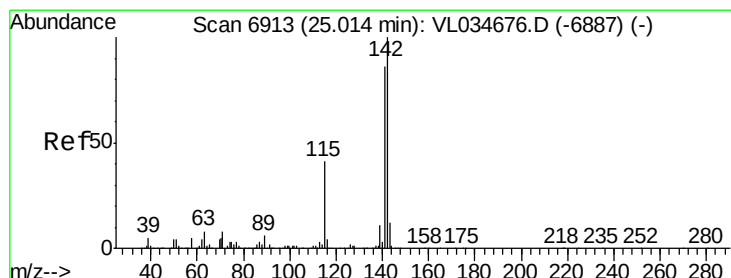
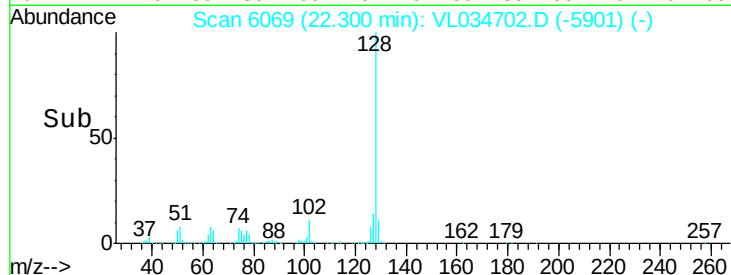
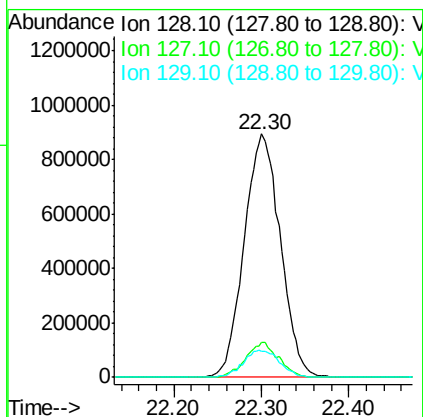
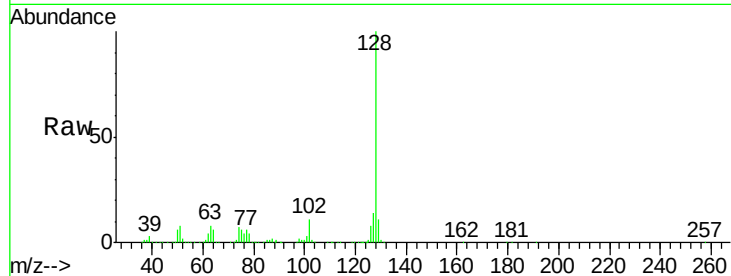
#79
Naphthalene
Concen: 10.491 ppbv
RT: 22.30 min Scan# 6069
Delta R.T. 0.04 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	11.0	16.6
129	10.8	9.4	14.2

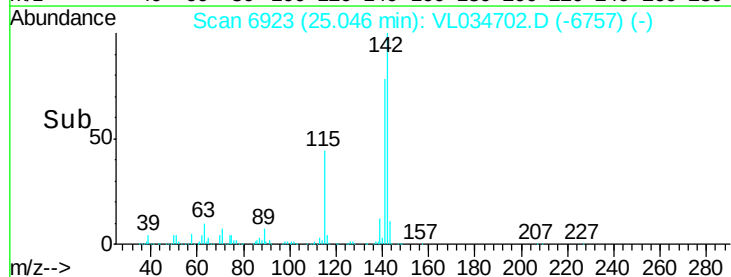
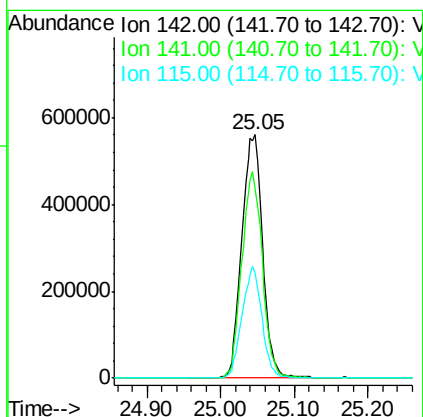
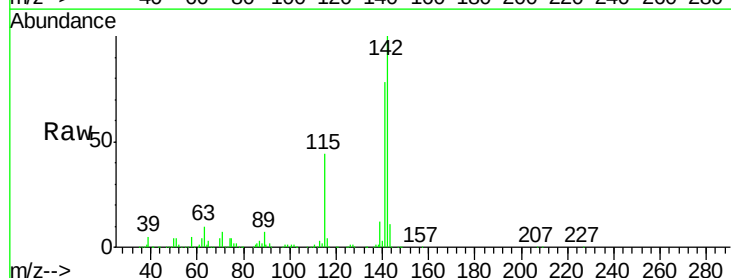
Manual Integrations
APPROVED

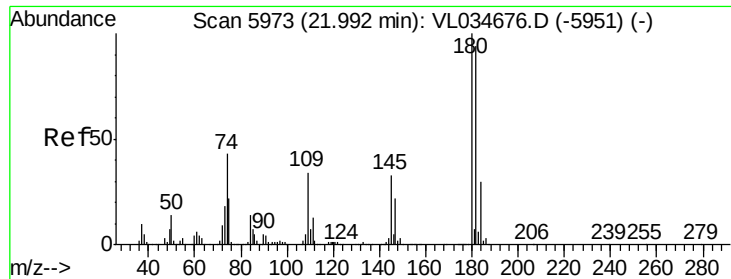
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#80
Naphthalene, 2-methyl-
Concen: 14.698 ppbv
RT: 25.05 min Scan# 6923
Delta R.T. 0.03 min
Lab File: VL034702.D
Acq: 27 Feb 2020 00:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.5	99.7
115	43.7	30.6	46.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.946 ppbv
 RT: 22.03 min Scan# 5985
 Delta R.T. 0.04 min
 Lab File: VL034702.D
 Acq: 27 Feb 2020 00:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.5	114.7
184	30.7	25.2	37.8

Manual Integrations
 APPROVED

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