

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012720\
 Data File : VL034559.D
 Acq On : 27 Jan 2020 12:59
 Operator : SY/AP
 Sample : VL0127ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 2:02:50 PM

Quant Time: Jan 28 00:48:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 0
 QLast Update : Thu Jan 09 03:01:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1057604	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2121936	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2244146m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1831733	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	2049124	12.286	ppbv 100
3) Chlorodifluoromethane	2.96	51	1234267	9.795	ppbv 98
4) Chloromethane	3.11	50	652788	8.721	ppbv 96
5) Vinyl Chloride	3.23	62	645091	8.801	ppbv 99
6) Bromomethane	3.45	94	378861	10.384	ppbv 99
7) Chloroethane	3.54	64	248175	9.717	ppbv 95
8) Dichlorotetrafluoroethane	3.16	85	1570977	9.391	ppbv 100
9) Propene	2.98	41	456768	9.402	ppbv 98
10) Heptane	8.15	43	1242163	9.901	ppbv 99
11) Trichlorofluoromethane	3.94	101	1856403	9.618	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1224028	9.970	ppbv 100
13) Ethanol	3.59	45	103445	7.674	ppbv 97
14) Bromoethene	3.72	108	494617	9.962	ppbv 99
15) Acetone	3.84	43	1306583	8.465	ppbv 99
16) 1,3-Butadiene	3.30	39	590907	9.954	ppbv 99
17) tert-Butyl alcohol	4.28	59	960050	7.768	ppbv 99
18) 1,1-Dichloroethene	4.28	96	539109	10.081	ppbv 93
19) Isopropyl Alcohol	3.96	45	728549	7.292	ppbv # 99
20) Methylene Chloride	4.34	84	467346	7.695	ppbv 98
21) Allyl Chloride	4.40	41	881073	9.932	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	535389	9.843	ppbv 89
23) Vinyl Acetate	5.08	43	1767412	9.918	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1340520	9.364	ppbv 99
25) Ethyl Acetate	5.69	43	2215734	9.192	ppbv 100
26) Hexane	5.69	57	981791	9.667	ppbv 96
27) Carbon Disulfide	4.55	76	1359022	10.586	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1714692	10.108	ppbv 100
29) Chloroform	5.77	83	1660921	9.451	ppbv 98
30) Cyclohexane	7.16	84	786304	10.416	ppbv 96
31) cis-1,2-Dichloroethene	5.56	61	1029242	9.944	ppbv 95
32) 1,1,1-Trichloroethane	6.53	97	1756681	9.630	ppbv 99
34) 2-Butanone	5.25	43	1434038	9.457	ppbv 99
35) Carbon Tetrachloride	7.04	117	1877303	9.755	ppbv 98
36) Benzene	6.92	78	1831613	9.902	ppbv 100
37) 1,2-Dichloroethane	6.33	62	1449965	9.653	ppbv 99
38) Trichloroethene	7.87	130	761293	10.189	ppbv 97
39) 1,2-Dichloropropane	7.65	63	753612	9.908	ppbv 95
40) 1,4-Dioxane	7.86	88	257231	8.356	ppbv # 96
41) Tetrahydrofuran	6.06	42	784839	10.090	ppbv 98
42) Bromodichloromethane	7.83	83	1842914	9.971	ppbv 97
43) Methyl Methacrylate	8.04	69	788817	10.455	ppbv 98

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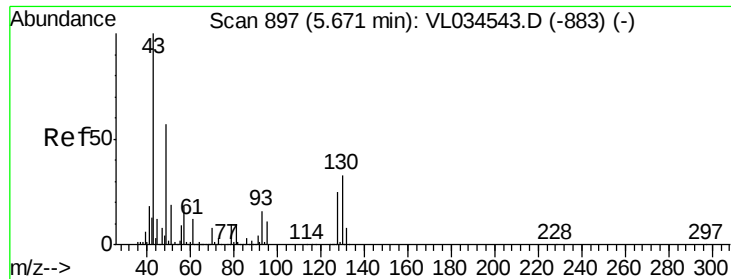
Manual Integrations
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Quant Time: Jan 28 00:48:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 0
 QLast Update : Thu Jan 09 03:01:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3288085	9.610	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	1054017	10.844	ppbv	97
46) cis-1,3-Dichloropropene	8.74	75	1179481	10.616	ppbv	99
47) 1,1,2-Trichloroethane	9.52	97	805484	9.607	ppbv	97
48) Dibromochloromethane	10.35	129	1570008	10.802	ppbv	99
49) Bromoform	13.10	173	1392639	10.584	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2185886	9.930	ppbv	100
51) 2-Hexanone	10.17	43	1789800	10.073	ppbv #	99
52) Tetrachloroethene	11.27	164	715630	9.914	ppbv	90
53) Toluene	9.85	91	2155057	10.605	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1288210	10.558	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.18	131	1075471	9.927	ppbv	94
57) Chlorobenzene	12.20	112	1732302	9.356	ppbv	97
58) Ethyl Benzene	12.76	91	3025978	9.998	ppbv	98
59) m/p-Xylene	13.05	91	5097880m	19.262	ppbv	
60) o-Xylene	13.74	91	2632900	9.914	ppbv	100
61) Styrene	13.58	104	1828037	10.068	ppbv	99
62) Isopropylbenzene	14.73	105	3406336	9.805	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1885163	8.849	ppbv	99
64) n-propylbenzene	15.62	120	896877	10.111	ppbv	100
65) tert-Butylbenzene	16.81	119	3139291	10.003	ppbv	99
66) Benzyl Chloride	17.06	91	1574700	11.448	ppbv	99
67) sec-Butylbenzene	17.36	105	4327382	9.818	ppbv	100
69) p-Isopropyltoluene	17.72	119	3625944	10.144	ppbv	100
70) n-Butylbenzene	18.61	91	3855932	9.997	ppbv	99
71) 2-Chlorotoluene	15.52	91	2698549	10.003	ppbv	99
72) 4-Ethyltoluene	15.90	105	2977311	10.019	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2908664m	9.977	ppbv	
74) 1,2,4-Trimethylbenzene	16.82	105	3012656	9.659	ppbv	97
75) 1,3-Dichlorobenzene	17.06	146	1699490	9.098	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	1672770	9.301	ppbv	98
77) 1,2-Dichlorobenzene	17.89	146	1653422	9.418	ppbv	98
78) Hexachloro-1,3-Butadiene	23.45	225	1363491	8.182	ppbv	100
79) Naphthalene	22.28	128	2357566	10.036	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	494375	7.597	ppbv #	92
81) 1,2,4-Trichlorobenzene	22.01	180	1382113	9.036	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion: 49 Resp: 1057604

Ion Ratio Lower Upper

49 100

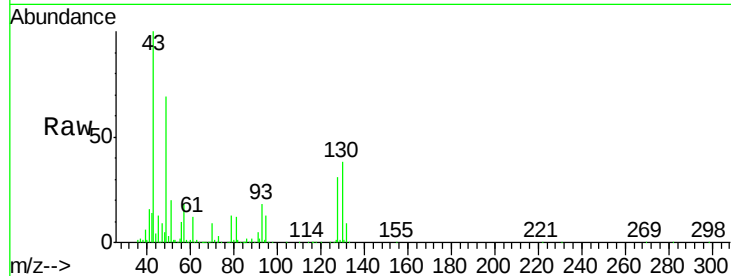
128 45.7 22.4 67.2

130 57.6 28.3 85.0

Manual Integrations
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

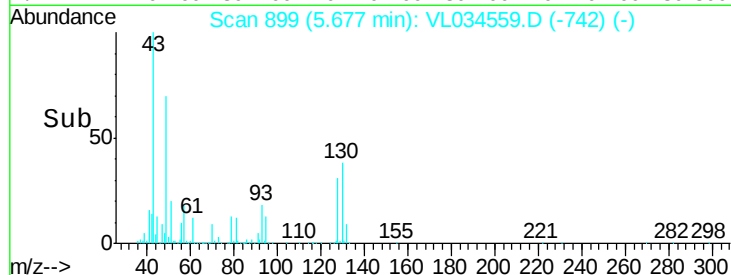
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400000

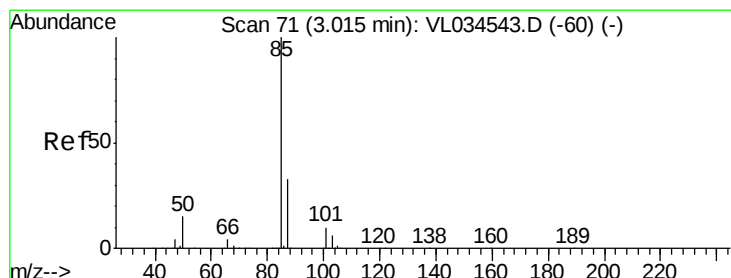
200000

0

5.60 5.65 5.70 5.75



Time-->



#2

Dichlorodifluoromethane

Concen: 12.286 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL034559.D

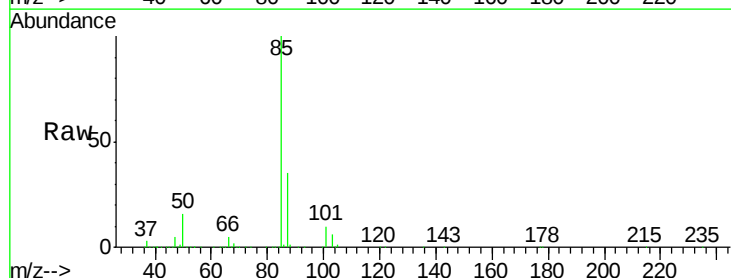
Acq: 27 Jan 2020 12:59

Tgt Ion: 85 Resp: 2049124

Ion Ratio Lower Upper

85 100

87 34.8 27.9 41.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

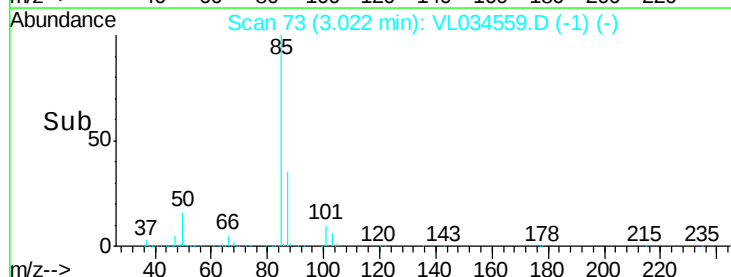
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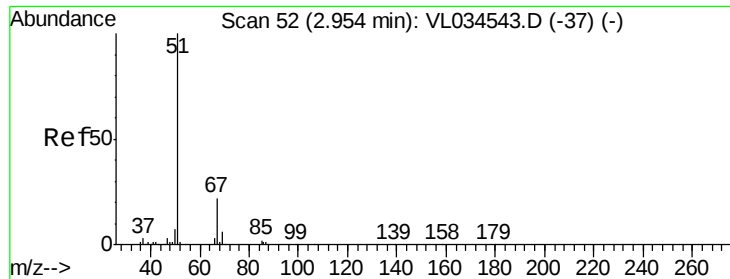
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2.95 3.00 3.05



Time-->



#3

Chlorodifluoromethane

Concen: 9.795 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion: 51 Resp: 1234267

Ion Ratio Lower Upper

51 100

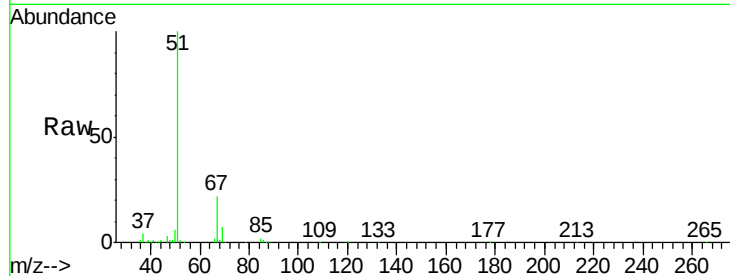
67 22.0 16.8 25.2

Manual Integrations

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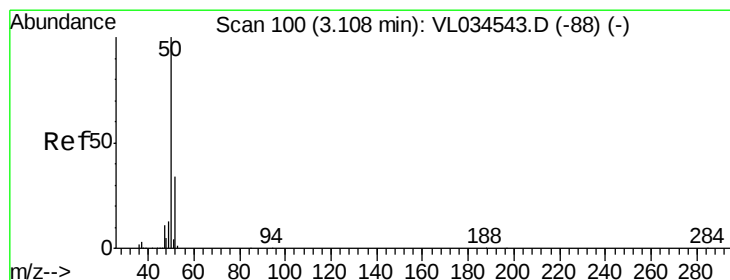
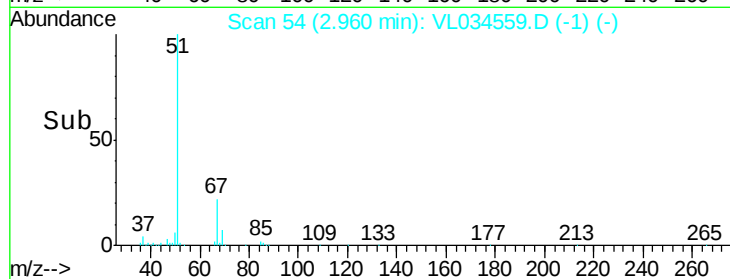
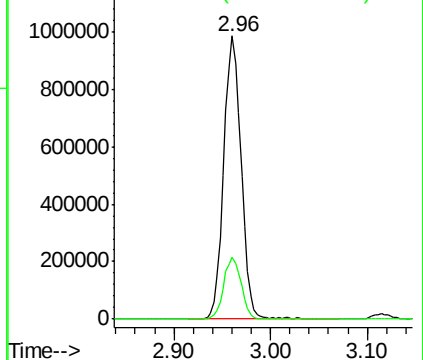
MMDadoda

1/28/2020 2:02:50 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.721 ppbv

RT: 3.11 min Scan# 102

Delta R.T. 0.01 min

Lab File: VL034559.D

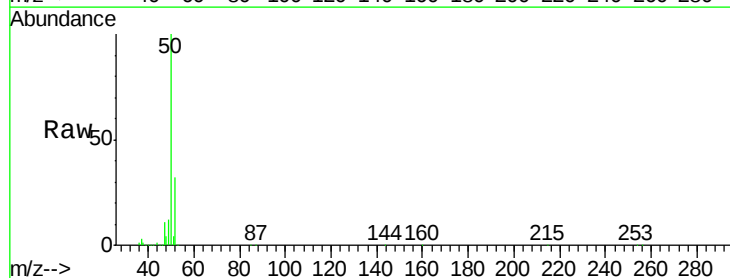
Acq: 27 Jan 2020 12:59

Tgt Ion: 50 Resp: 652788

Ion Ratio Lower Upper

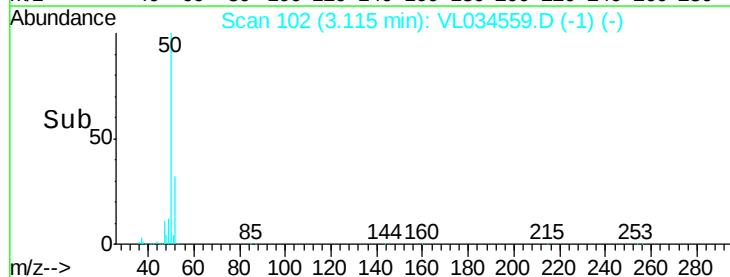
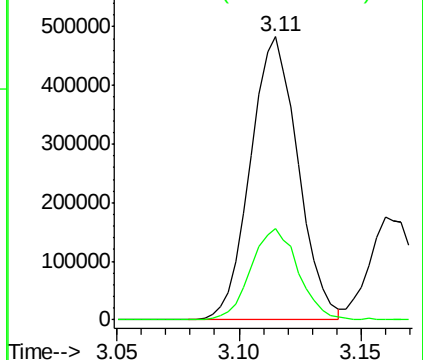
50 100

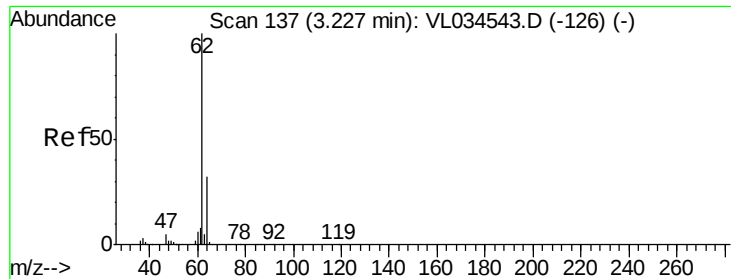
52 32.5 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.801 ppbv

RT: 3.23 min Scan# 139

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion: 62 Resp: 645091

Ion Ratio Lower Upper

62 100

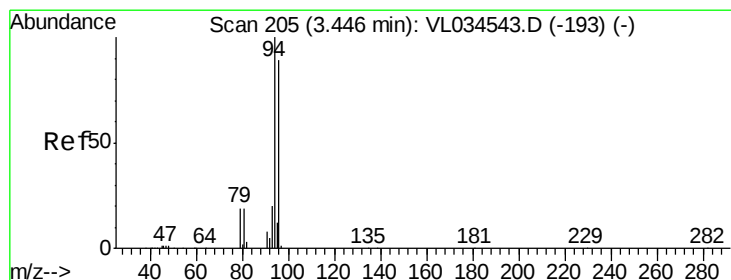
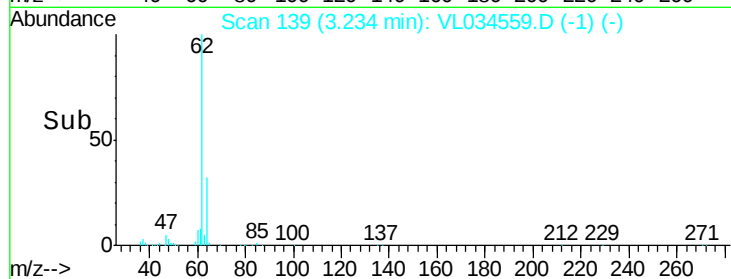
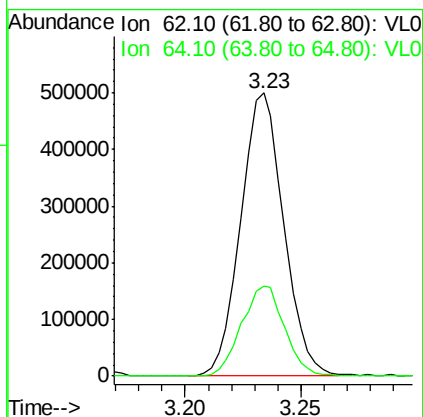
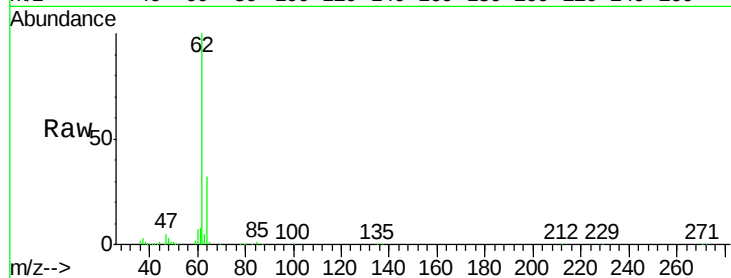
64 31.7 24.9 37.3

Manual Integrations

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#6

Bromomethane

Concen: 10.384 ppbv

RT: 3.45 min Scan# 207

Delta R.T. 0.01 min

Lab File: VL034559.D

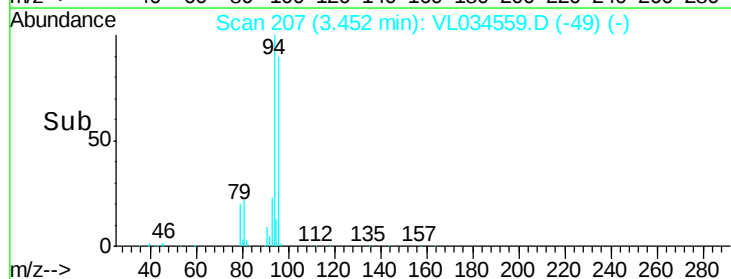
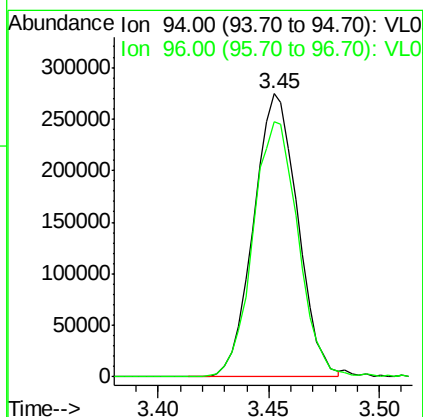
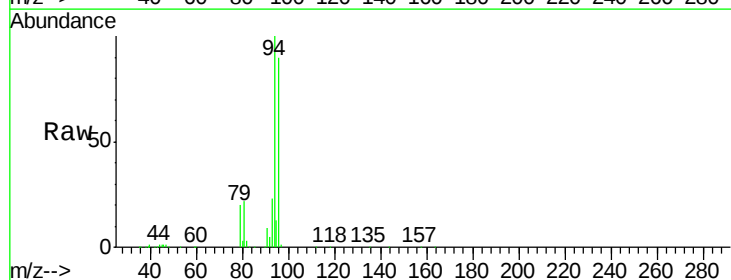
Acq: 27 Jan 2020 12:59

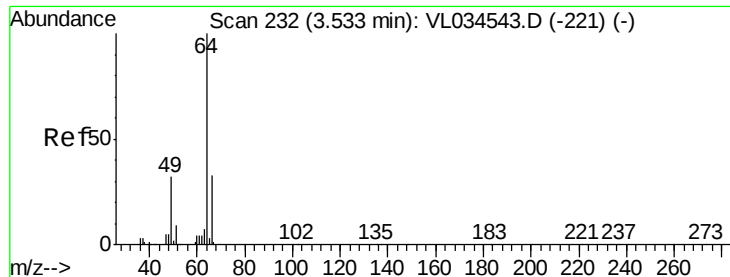
Tgt Ion: 94 Resp: 378861

Ion Ratio Lower Upper

94 100

96 90.1 71.2 106.8





#7

Chloroethane

Concen: 9.717 ppbv

RT: 3.54 min Scan# 234

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion: 64 Resp: 248175

Ion Ratio Lower Upper

64 100

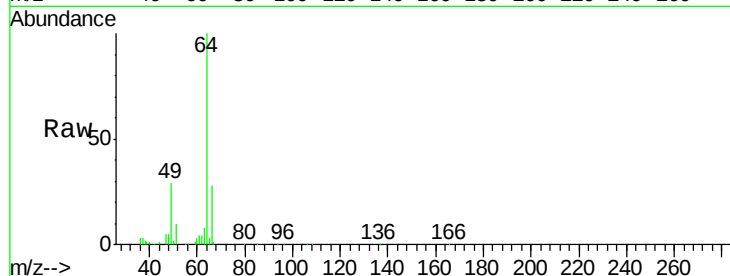
66 28.3 25.0 37.4

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

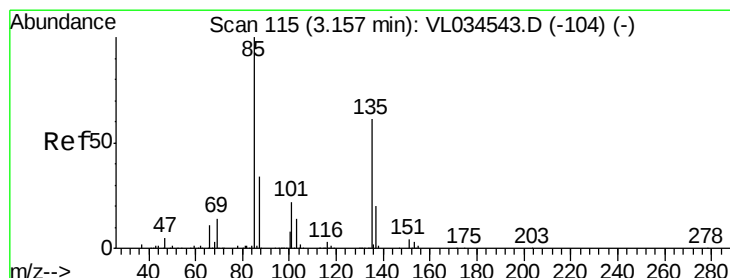
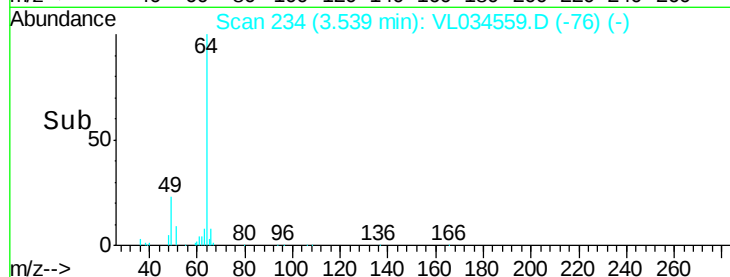
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100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.391 ppbv

RT: 3.16 min Scan# 117

Delta R.T. 0.01 min

Lab File: VL034559.D

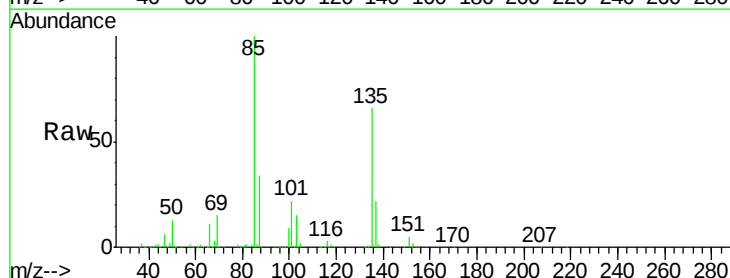
Acq: 27 Jan 2020 12:59

Tgt Ion: 85 Resp: 1570977

Ion Ratio Lower Upper

85 100

135 64.9 51.8 77.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.16

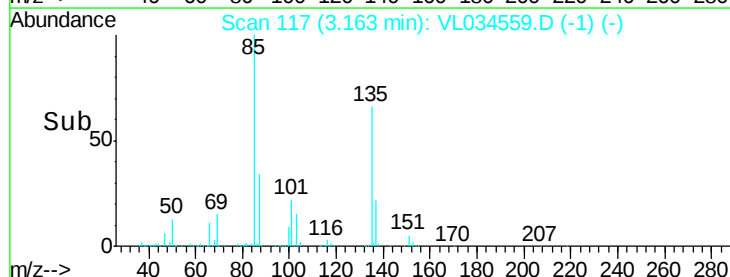
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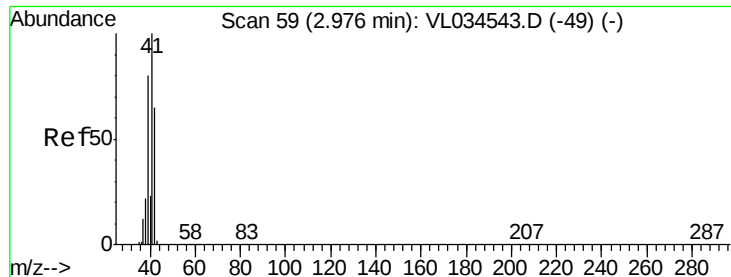
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Time-->





#9

Propene

Concen: 9.402 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

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ClientSampleId :

VL0127ABS01

Tot Ion: 41 Resp: 456768

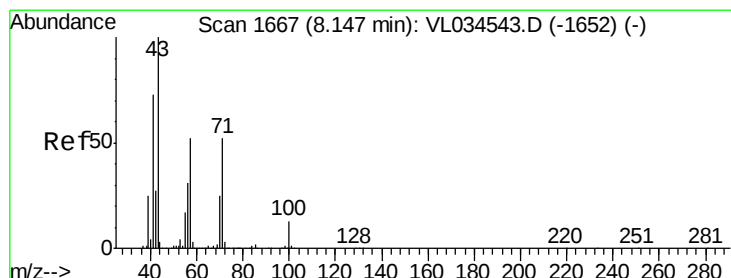
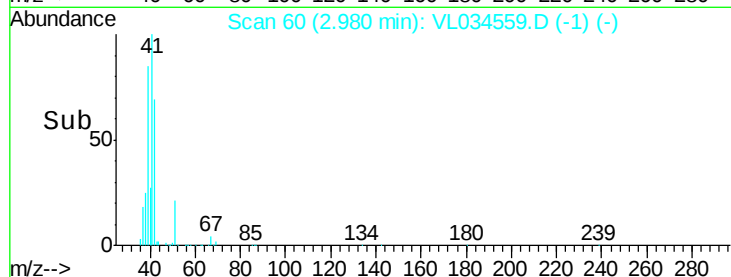
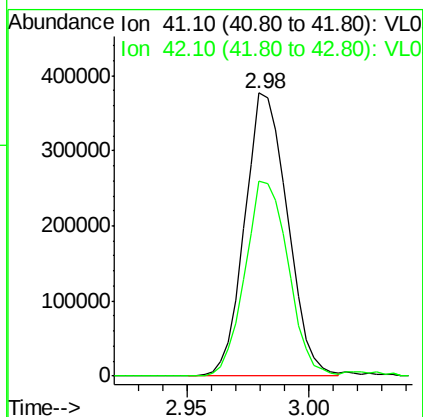
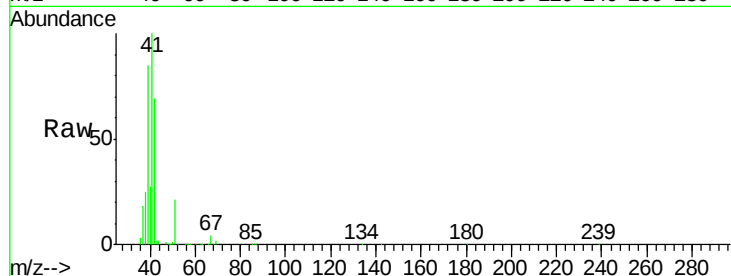
Ion Ratio Lower Upper

41 100

42 71.1 55.8 83.6

Manual Integrations
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#10

Heptane

Concen: 9.901 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VL034559.D

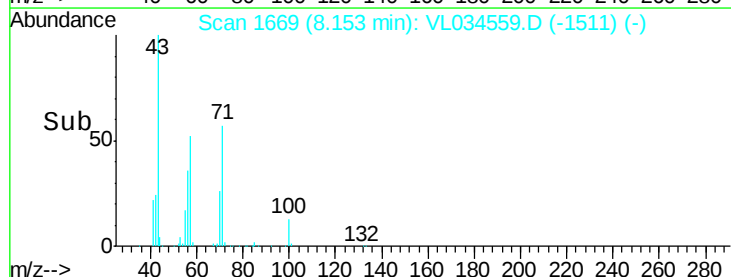
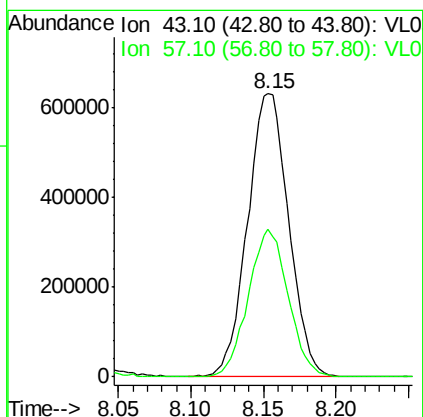
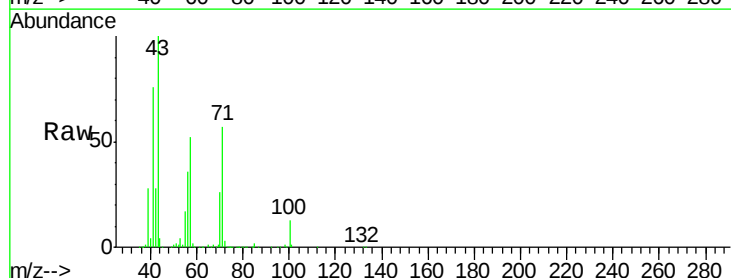
Acq: 27 Jan 2020 12:59

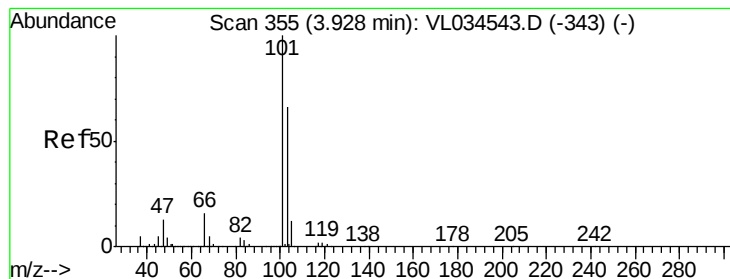
Tgt Ion: 43 Resp: 1242163

Ion Ratio Lower Upper

43 100

57 50.9 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.618 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion:101 Resp: 1856403

Ion Ratio Lower Upper

101 100

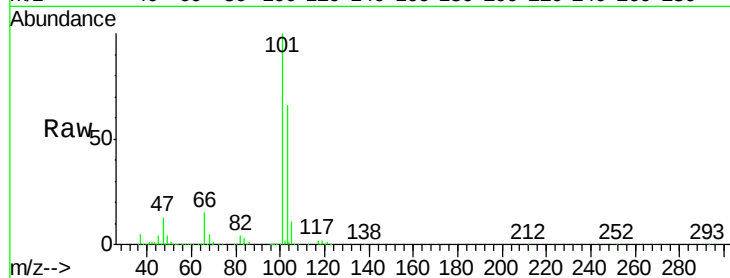
103 66.4 52.1 78.1

Manual Integrations

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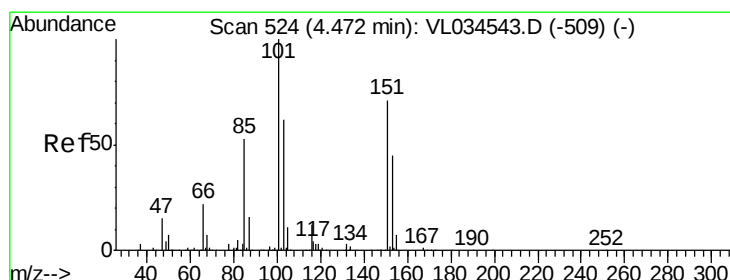
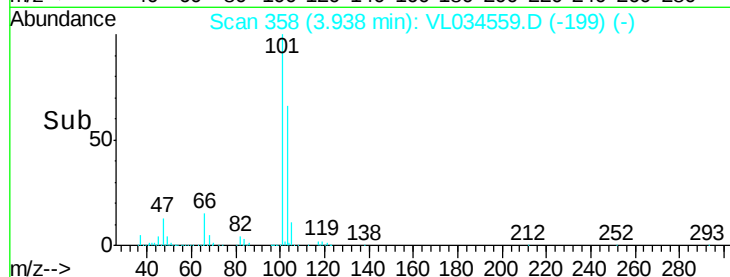
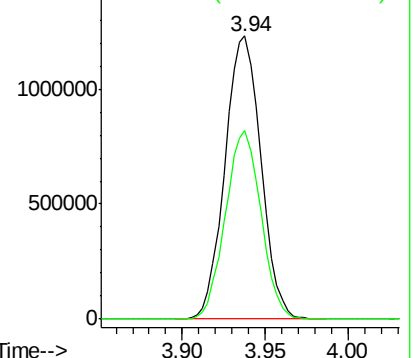
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.970 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL034559.D

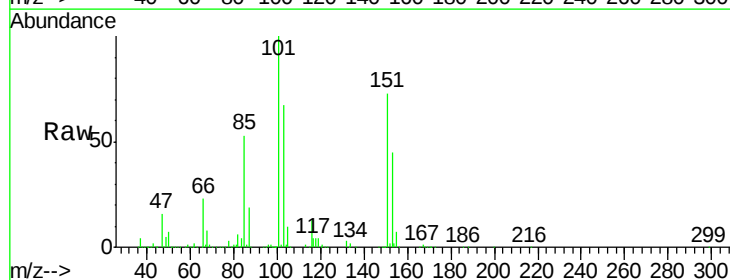
Acq: 27 Jan 2020 12:59

Tgt Ion:101 Resp: 1224028

Ion Ratio Lower Upper

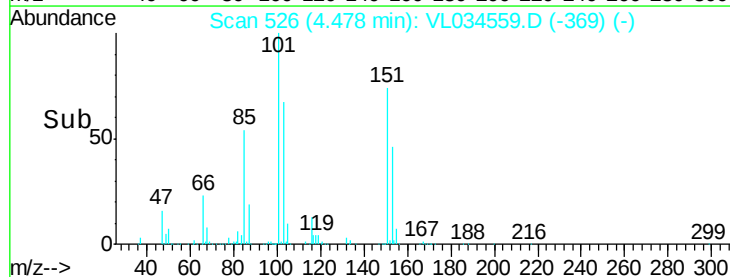
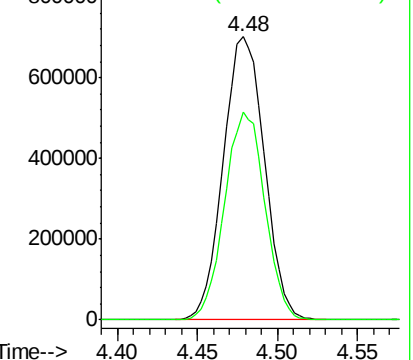
101 100

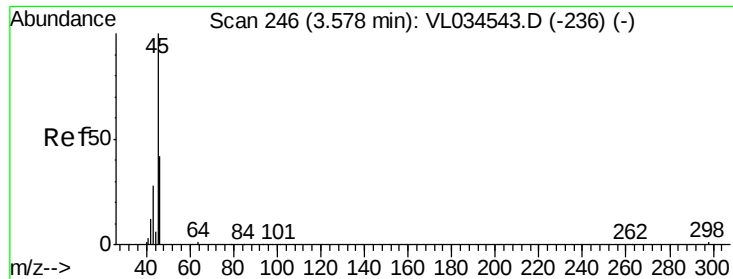
151 72.2 57.8 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





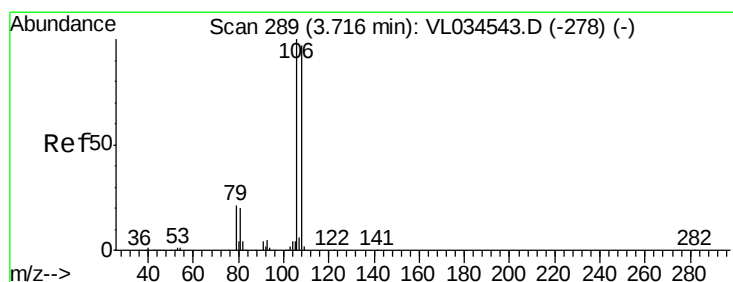
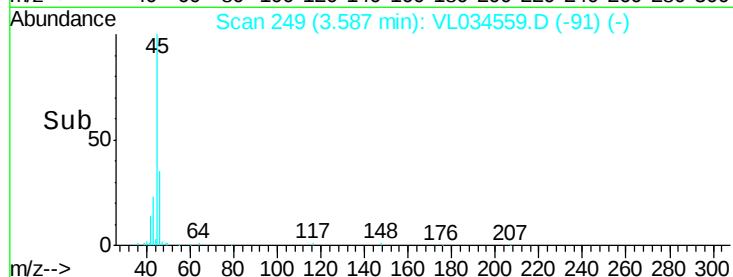
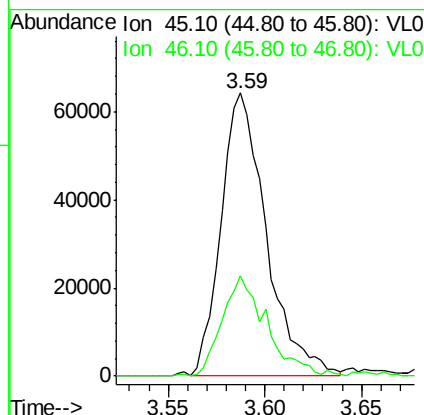
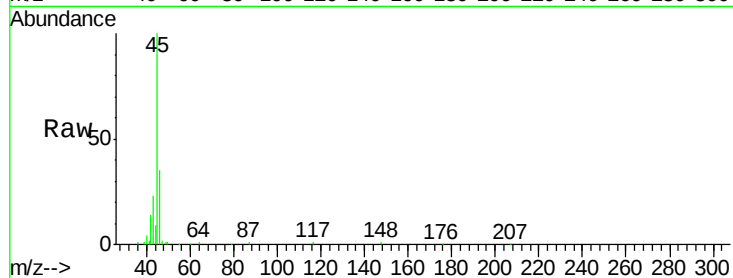
#13
Ethanol
Concen: 7.674 ppbv
RT: 3.59 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.5	14.9	59.7

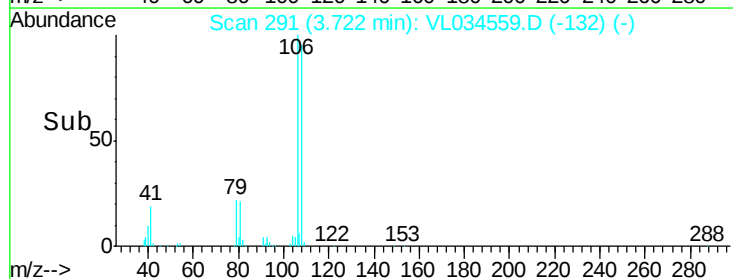
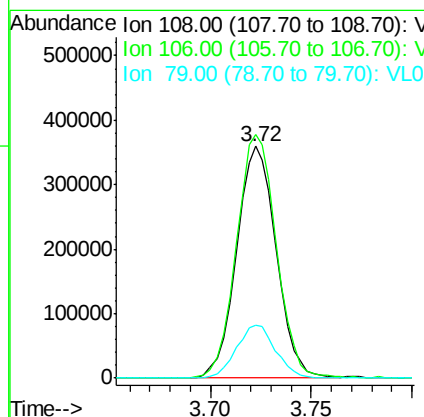
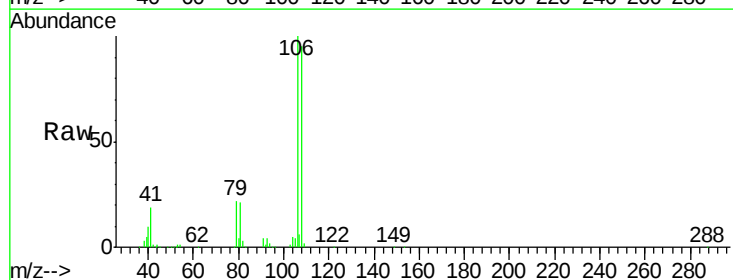
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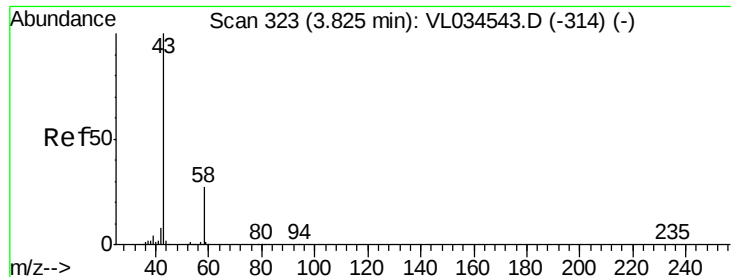
MMDadoda
1/28/2020 2:02:50 PM



#14
Bromoethene
Concen: 9.962 ppbv
RT: 3.72 min Scan# 291
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.4	85.2	127.8
79	23.0	17.4	26.2





#15

Acetone

Concen: 8.465 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion: 43 Resp: 1306583

Ion Ratio Lower Upper

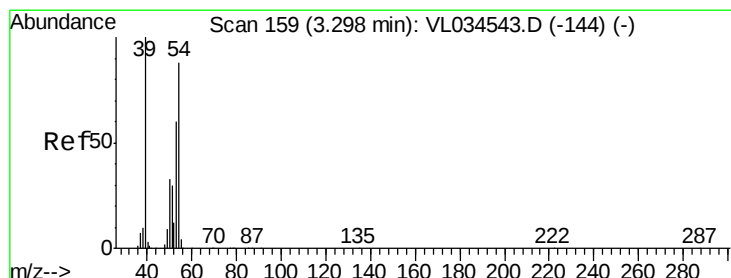
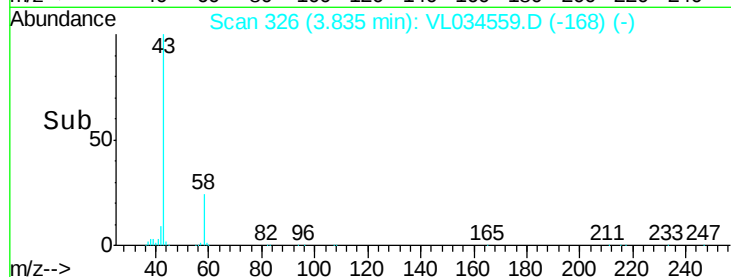
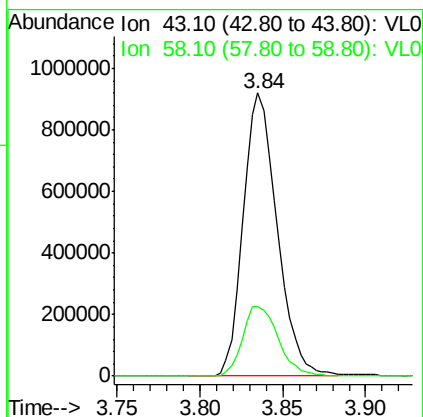
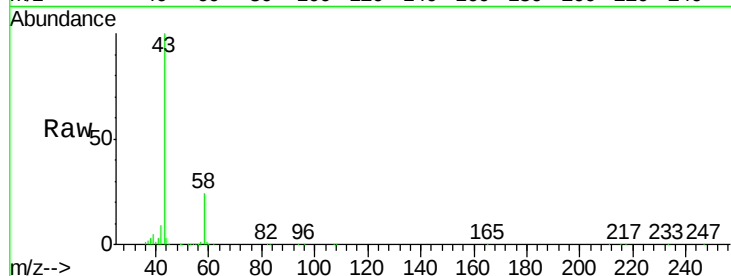
43 100

58 26.0 20.4 30.6

Manual Integrations
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#16

1,3-Butadiene

Concen: 9.954 ppbv

RT: 3.30 min Scan# 161

Delta R.T. 0.01 min

Lab File: VL034559.D

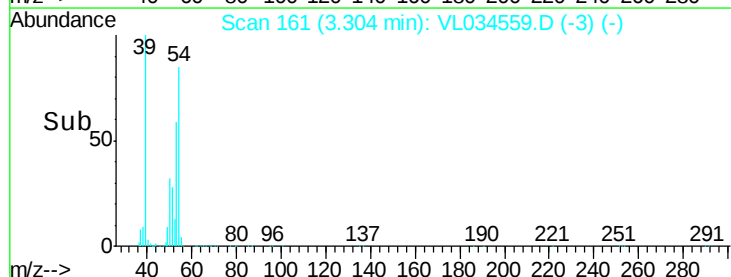
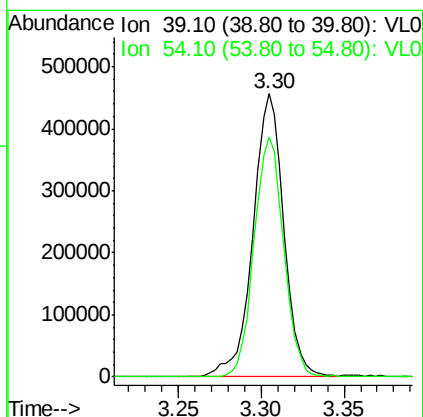
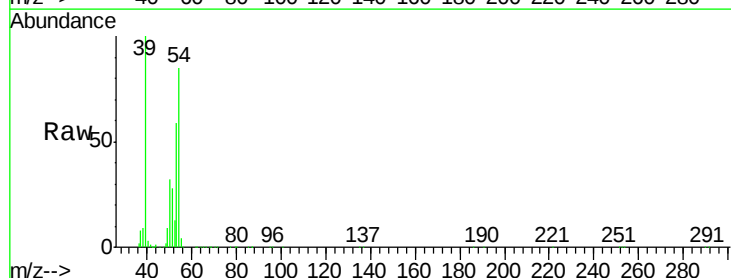
Acq: 27 Jan 2020 12:59

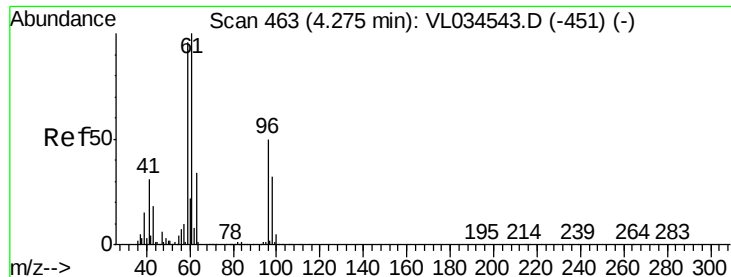
Tgt Ion: 39 Resp: 590907

Ion Ratio Lower Upper

39 100

54 81.7 66.2 99.2





#17

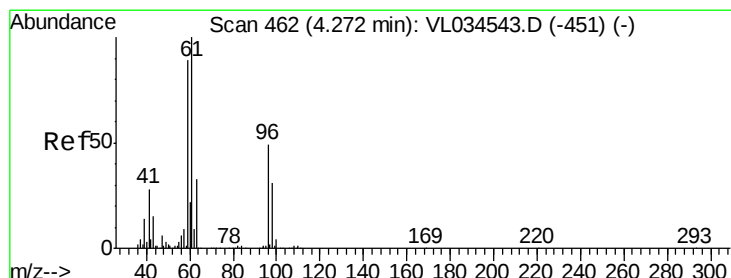
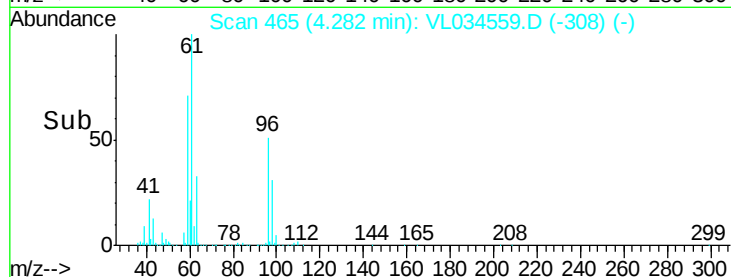
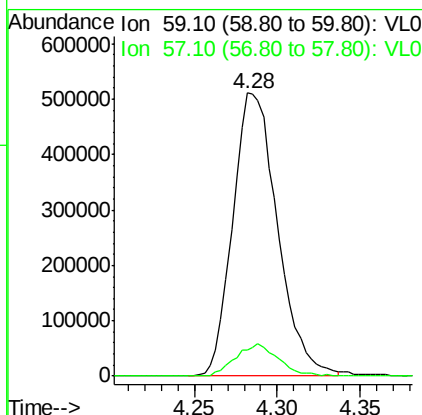
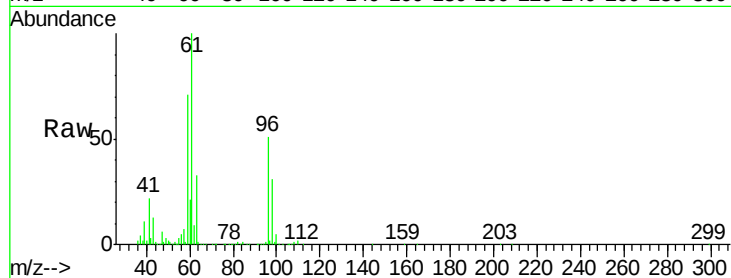
tert-Butyl alcohol
 Concen: 7.768 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

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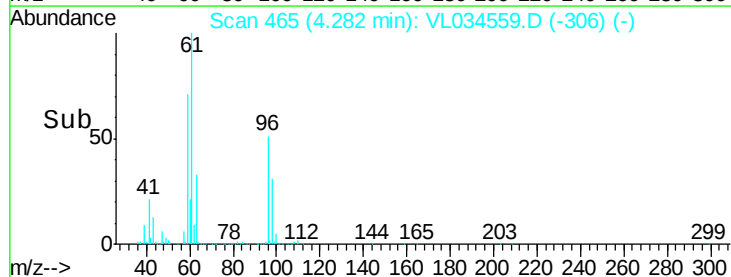
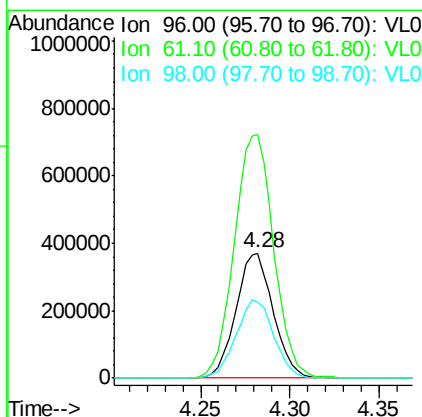
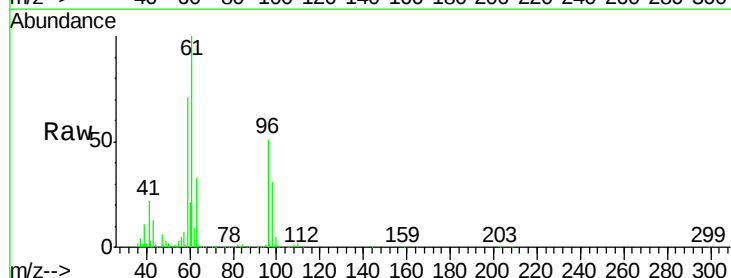
MMDadoda
 1/28/2020 2:02:50 PM

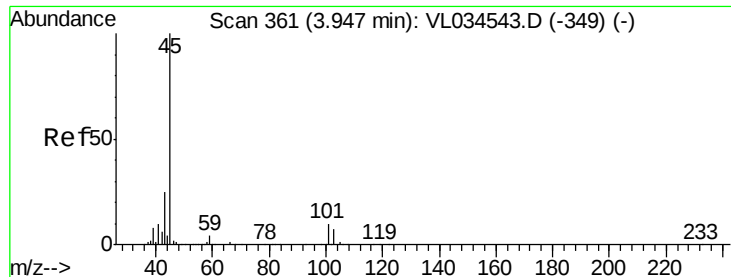


#18

1,1-Dichloroethene
 Concen: 10.081 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.5	165.9	248.9
98	61.3	51.9	77.9





#19

Isopropyl Alcohol

Concen: 7.292 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion: 45 Resp: 728549

Ion Ratio Lower Upper

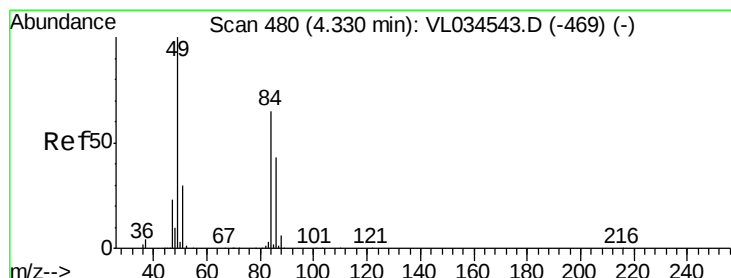
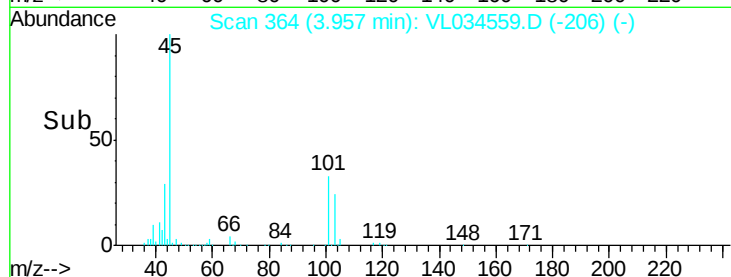
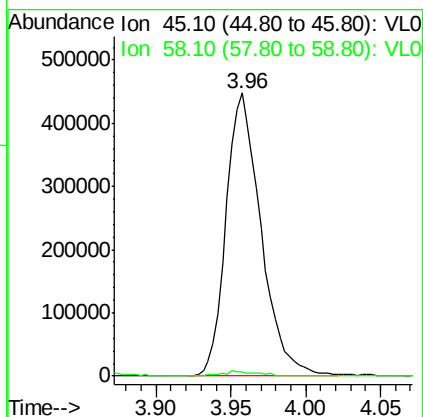
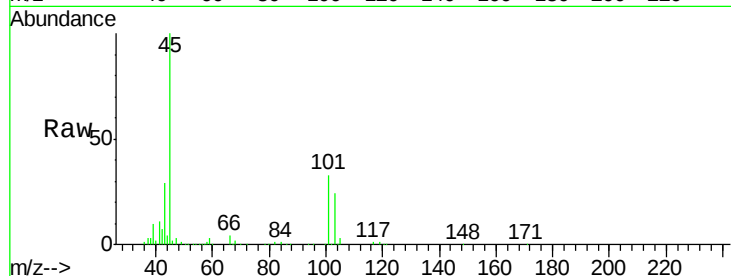
45 100

58 2.1 1.4 2.0#

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#20

Methylene Chloride

Concen: 7.695 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Tgt Ion: 84 Resp: 467346

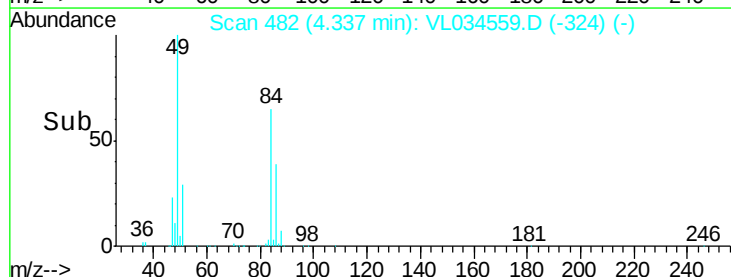
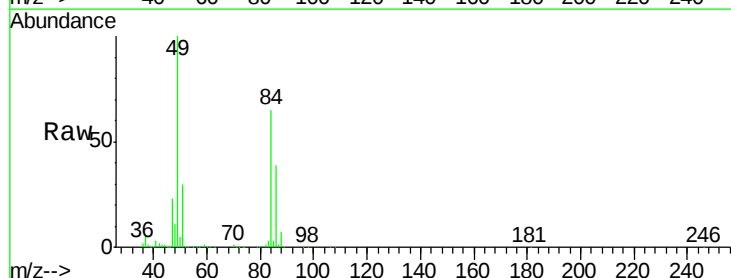
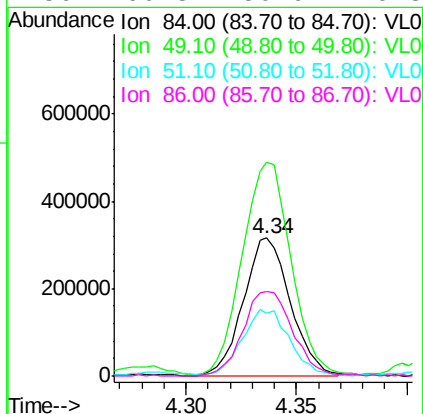
Ion Ratio Lower Upper

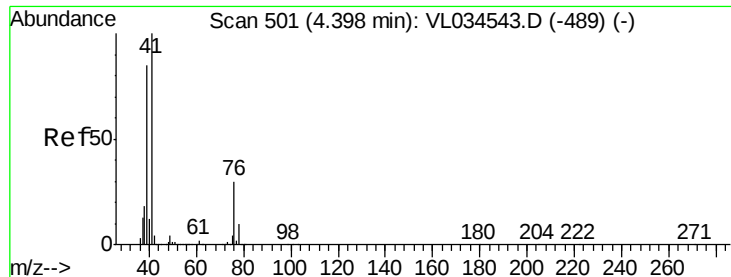
84 100

49 154.1 124.4 186.6

51 44.3 37.0 55.6

86 60.8 50.9 76.3





#21

Allvl Chloride

Concen: 9.932 ppbv

RT: 4.40 min Scan# 503

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

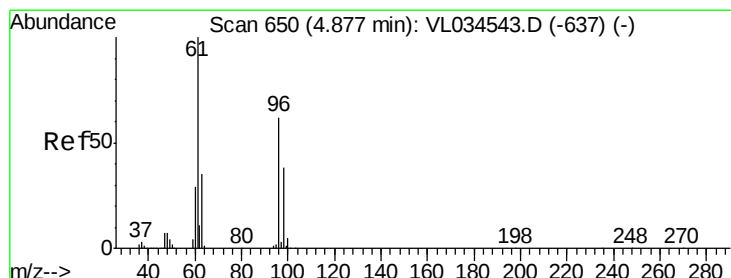
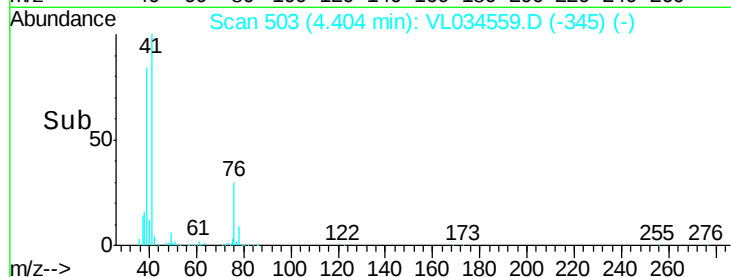
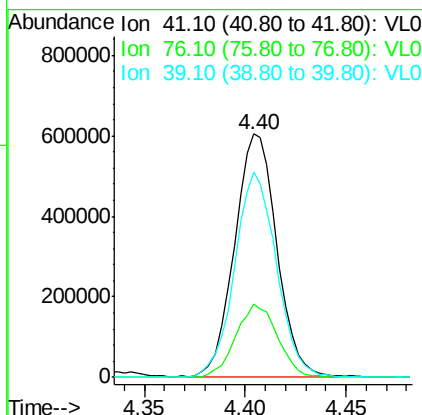
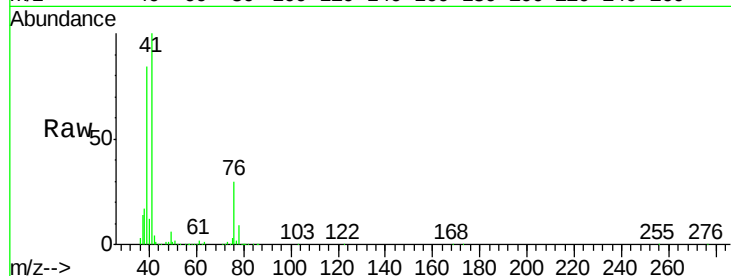
ClientSampleId :

VL0127ABS01

Tot Ion:	41	Resp:	881073
Ion Ratio	Lower	Upper	
41	100		
76	30.2	24.2	36.4
39	84.4	65.8	98.6

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#22

trans-1,2-Dichloroethene

Concen: 9.843 ppbv

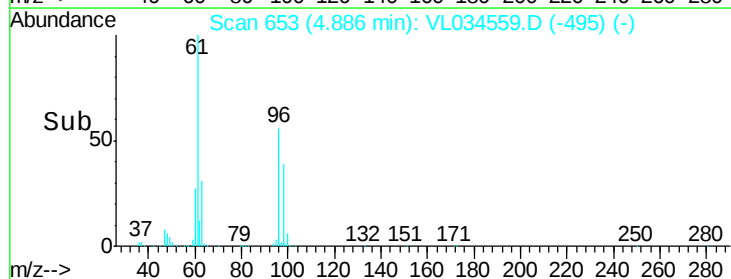
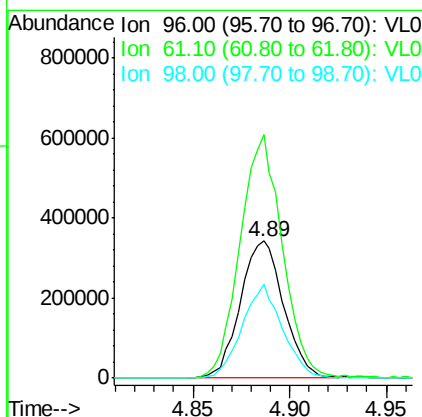
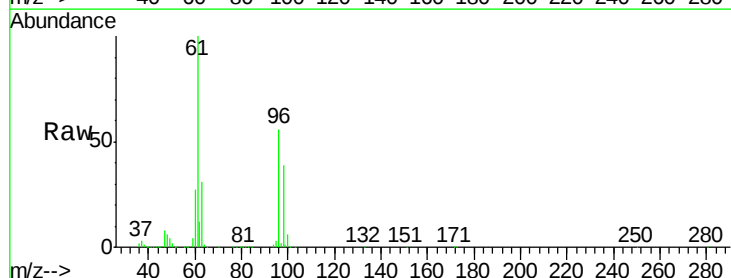
RT: 4.89 min Scan# 653

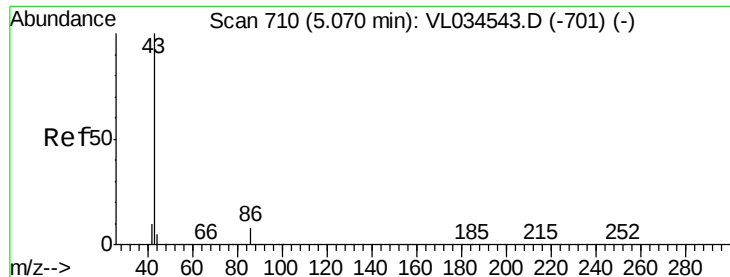
Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Tgt Ion:	96	Resp:	535389
Ion Ratio	Lower	Upper	
96	100		
61	177.6	128.4	192.6
98	68.5	50.6	75.8





#23

Vinyl Acetate

Concen: 9.918 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion: 43 Resp: 1767412

Ion Ratio Lower Upper

43 100

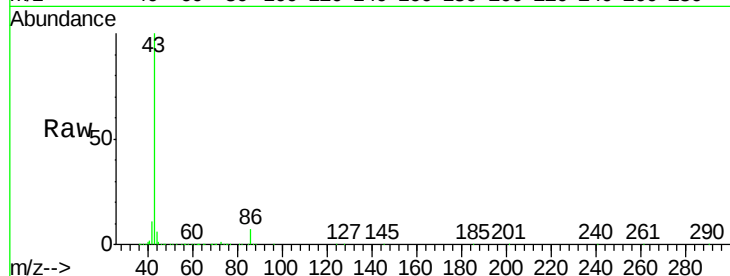
86 6.9 5.4 8.2

42 10.7 8.9 13.3

44 5.9 5.0 7.4

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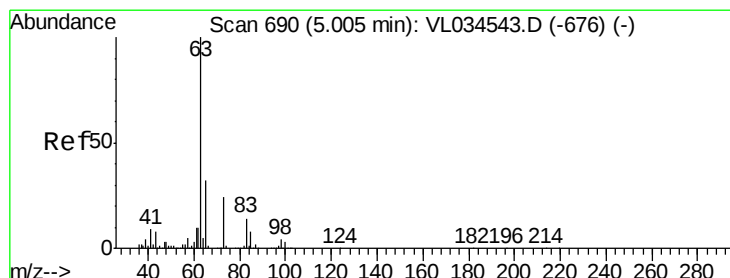
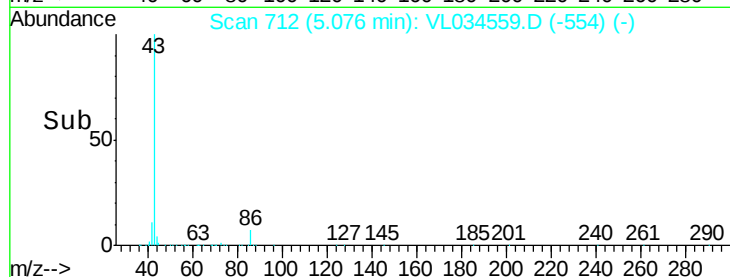
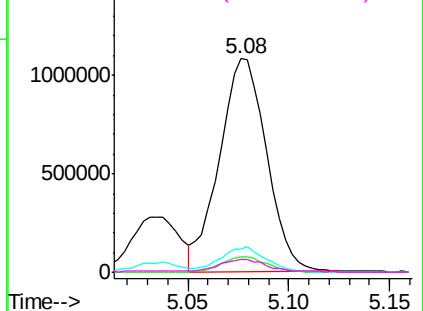


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.364 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

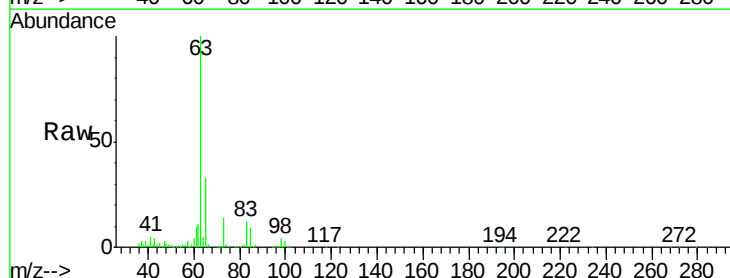
Tgt Ion: 63 Resp: 1340520

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.3

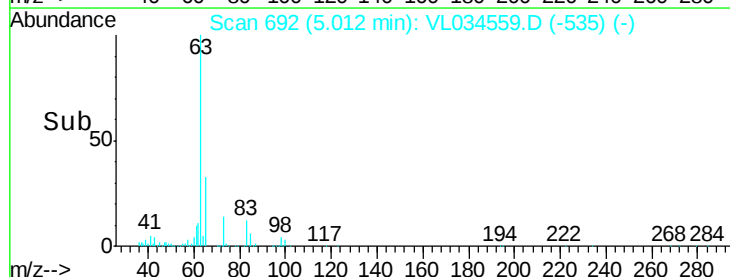
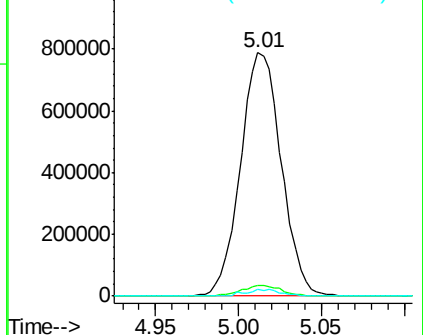
100 2.6 1.1 3.3

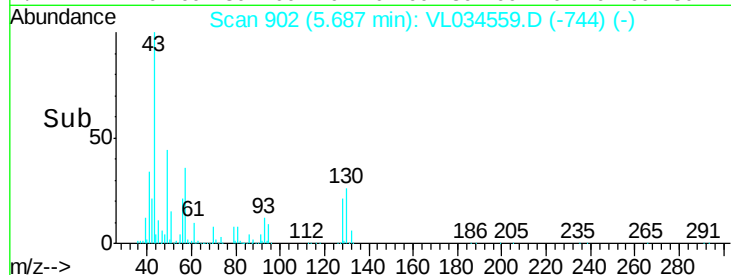
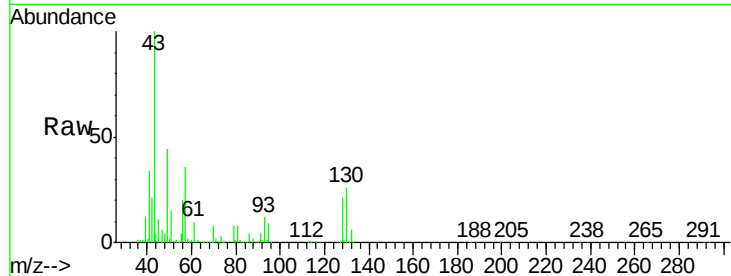
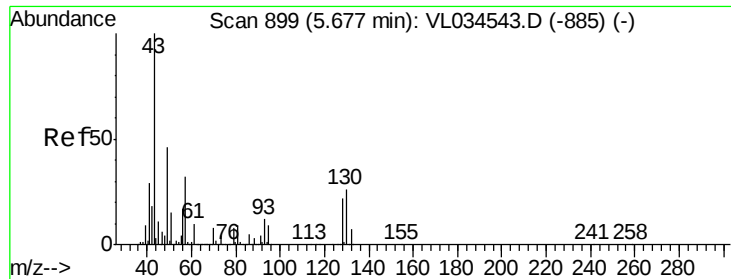


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





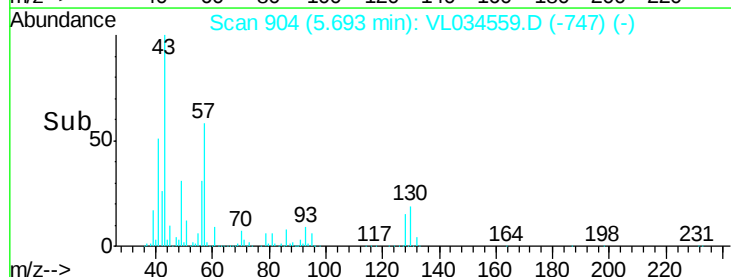
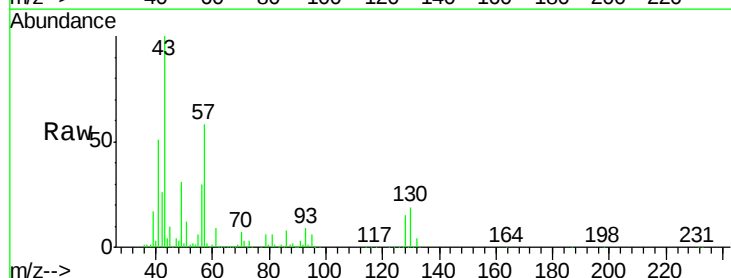
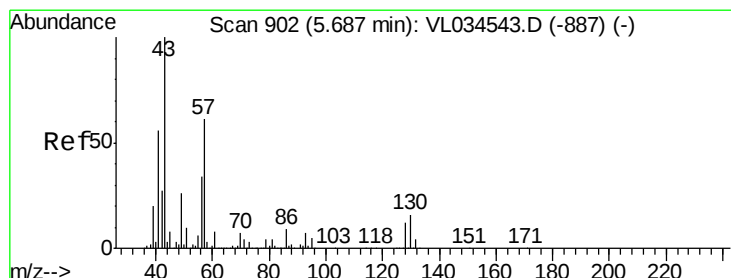
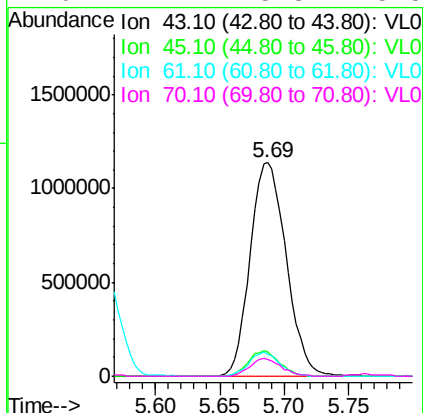
#25
Ethyl Acetate
Concen: 9.192 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.5	8.3	12.5	
61	9.5	7.8	11.6	
70	7.2	5.8	8.8	

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

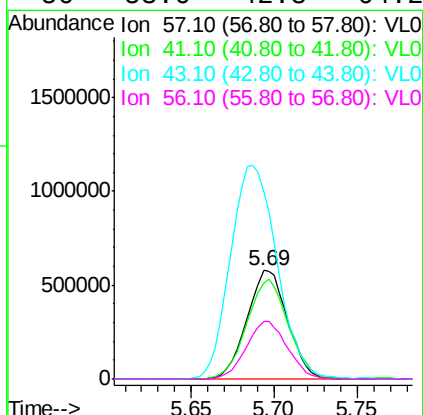
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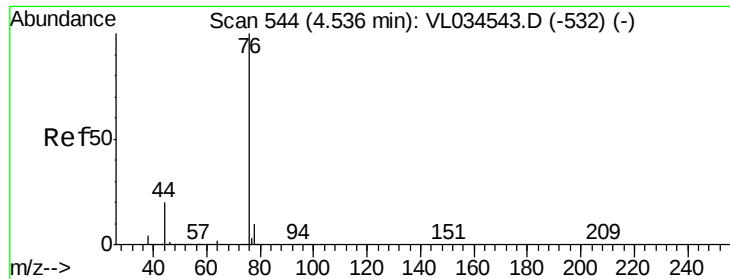
MMDadoda
1/28/2020 2:02:50 PM



#26
Hexane
Concen: 9.667 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	94.5	75.3	112.9	
43	226.3	189.4	284.2	
56	53.6	42.8	64.2	





#27

Carbon Disulfide

Concen: 10.586 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion: 76 Resp: 1359022

Ion Ratio Lower Upper

76 100

44 19.7 16.6 25.0

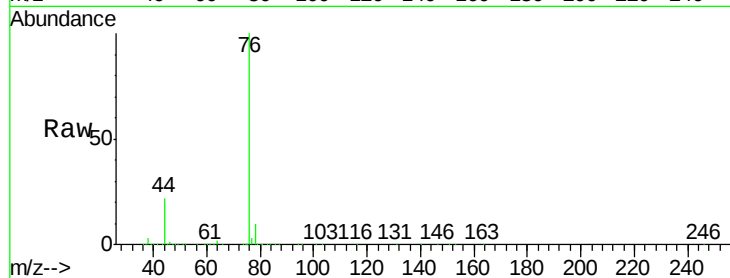
78 9.6 7.4 11.0

Manual Integrations

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MMDadoda

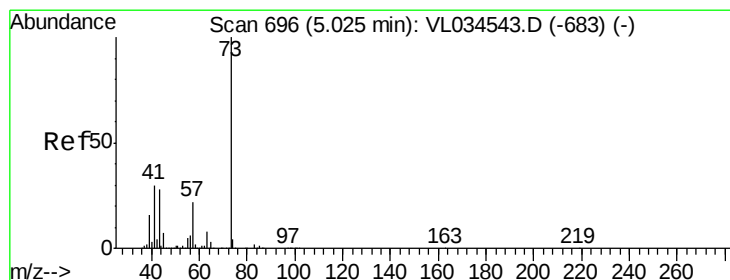
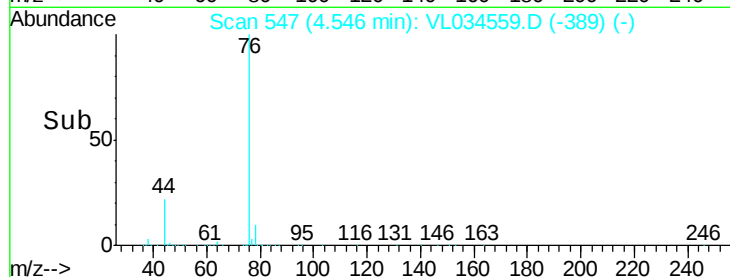
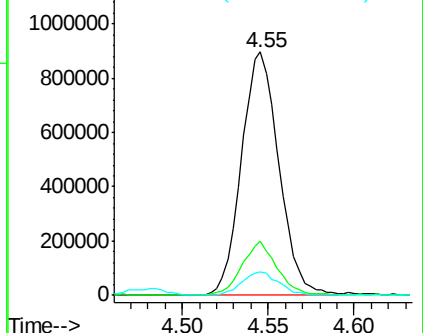
1/28/2020 2:02:50 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.108 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.01 min

Lab File: VL034559.D

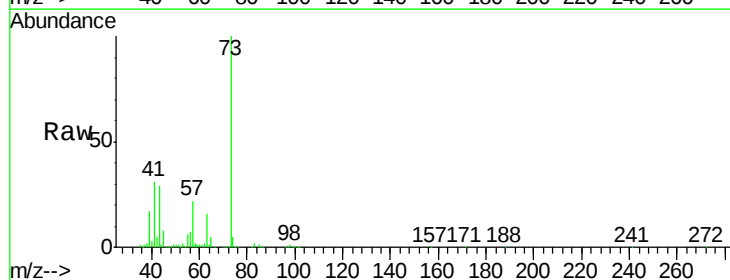
Acq: 27 Jan 2020 12:59

Tgt Ion: 73 Resp: 1714692

Ion Ratio Lower Upper

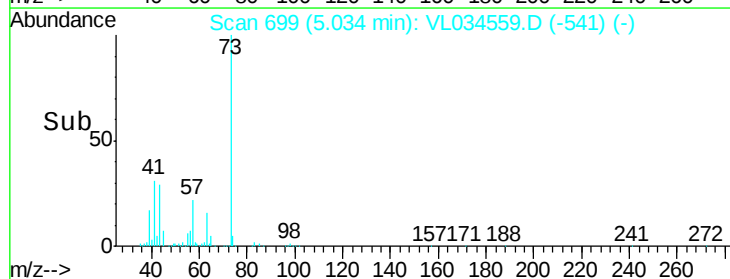
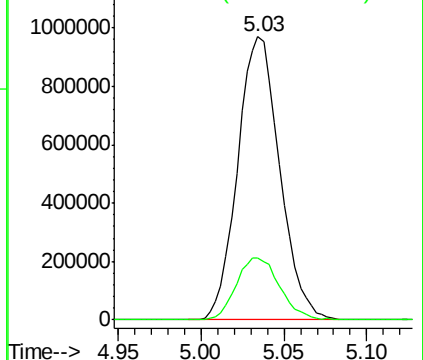
73 100

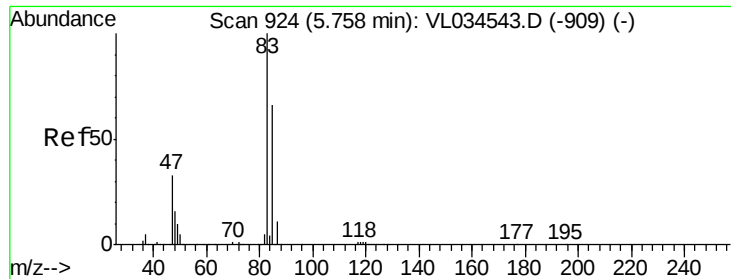
57 22.7 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.451 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampled :

VL0127ABS01

Tot Ion: 83 Resp: 1660921

Ion Ratio Lower Upper

83 100

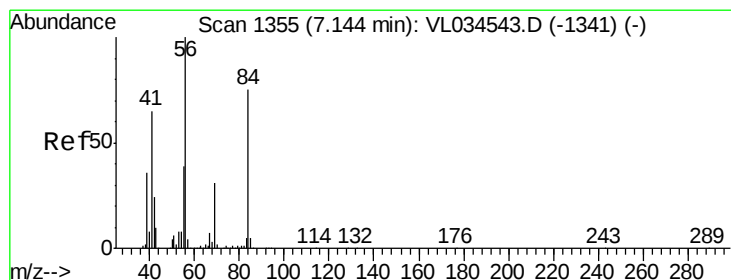
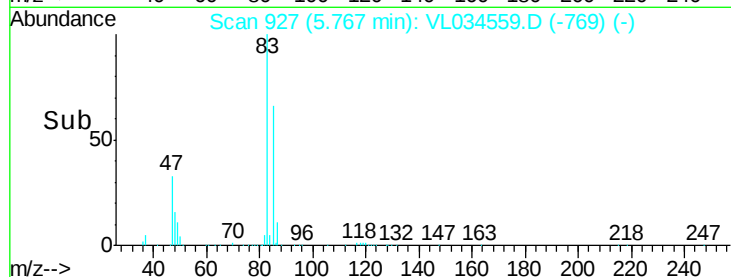
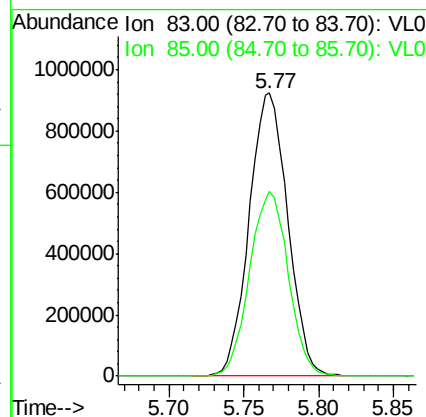
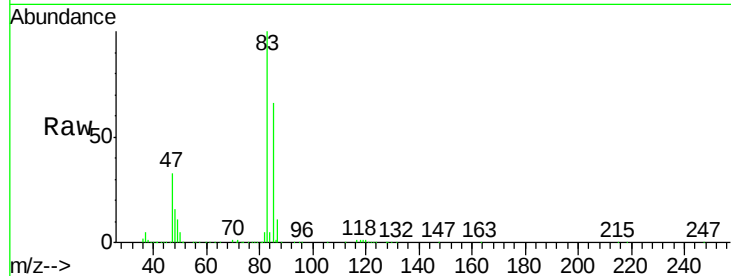
85 65.5 51.0 76.6

Manual Integrations

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#30

Cyclohexane

Concen: 10.416 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

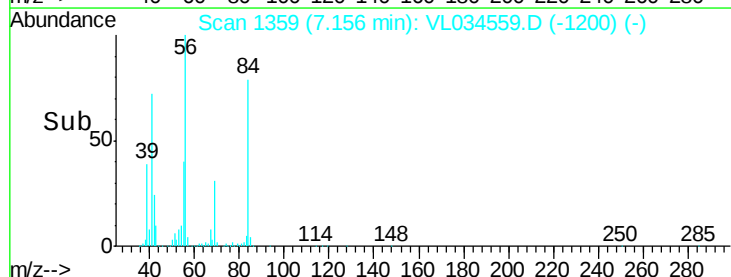
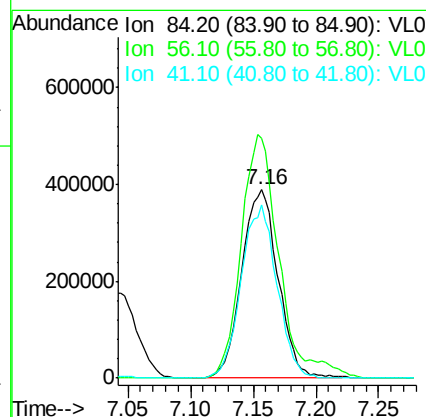
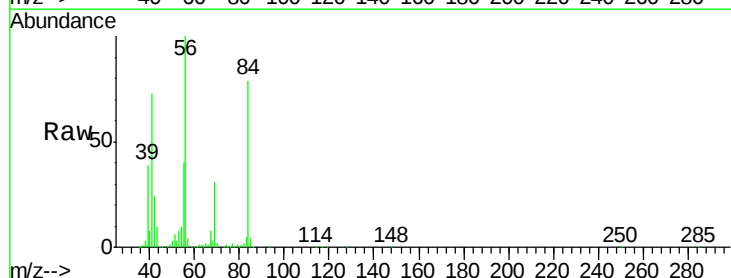
Tgt Ion: 84 Resp: 786304

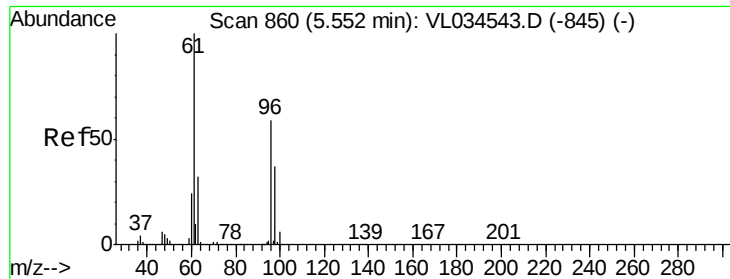
Ion Ratio Lower Upper

84 100

56 134.7 112.7 169.1

41 90.1 73.0 109.4





#31

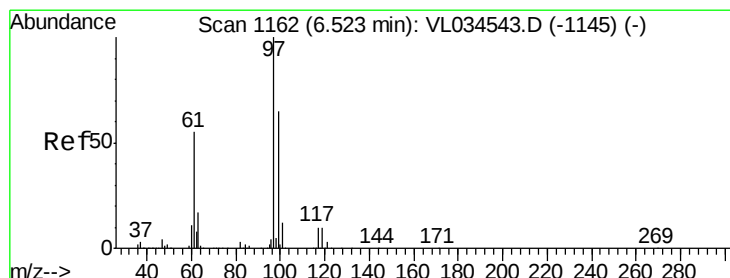
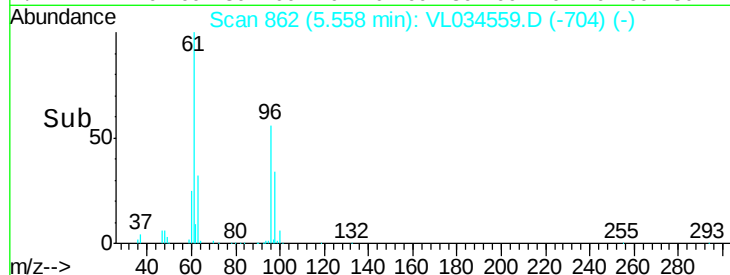
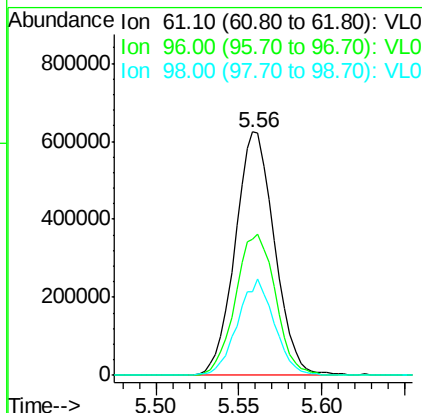
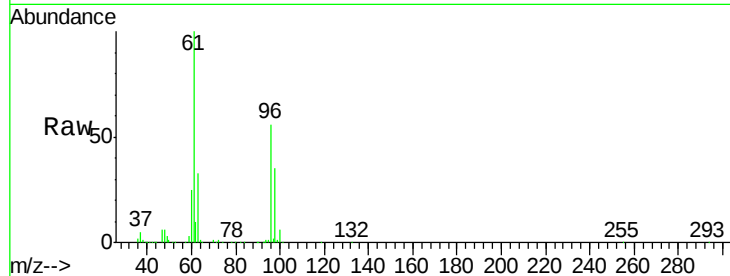
cis-1,2-Dichloroethene
 Concen: 9.944 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Tot Ion	Ion	Ratio	Lower	Upper
61	100			
96	55.7	47.1	70.7	
98	34.5	31.0	46.6	

Manual Integrations
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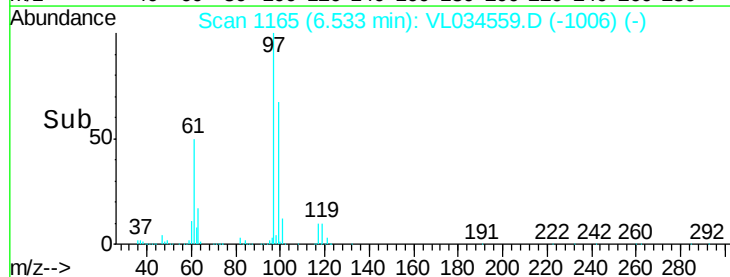
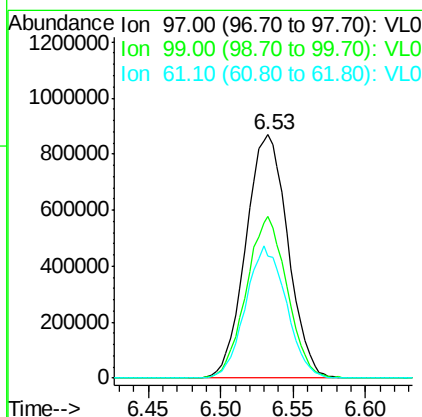
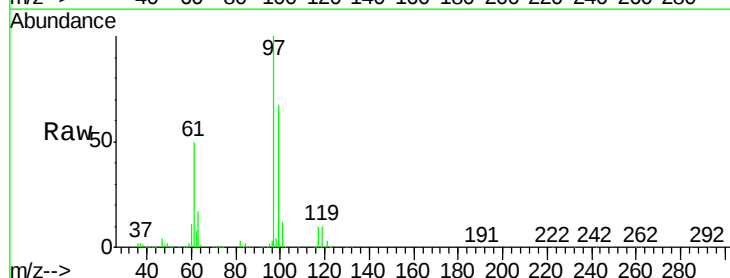
MMDadoda
 1/28/2020 2:02:50 PM

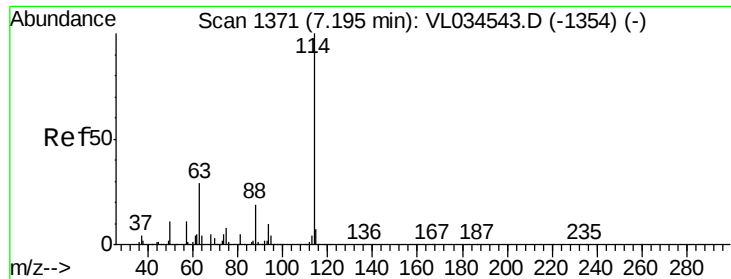


#32

1,1,1-Trichloroethane
 Concen: 9.630 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	51.7	77.5	
61	52.5	42.9	64.3	





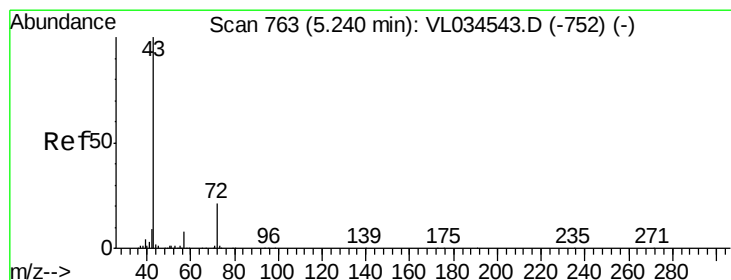
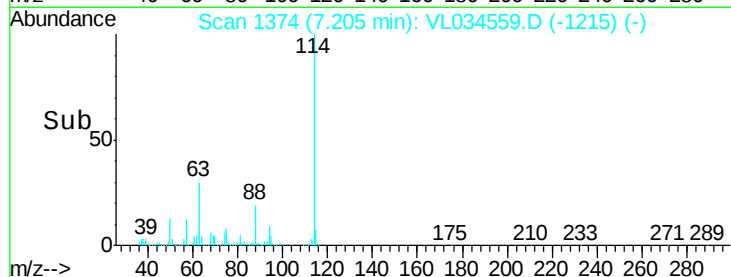
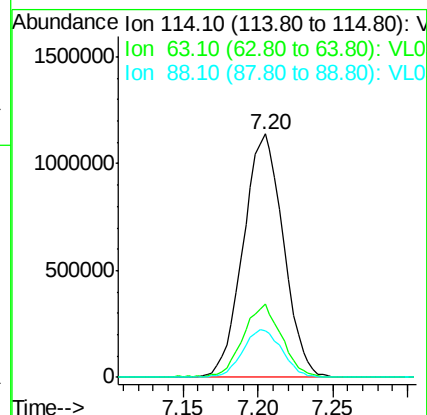
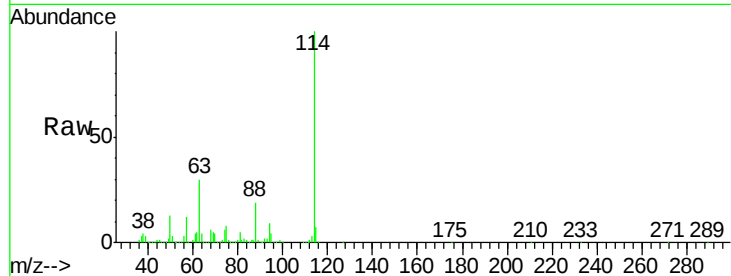
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.5	24.1	36.1
88	19.4	15.7	23.5

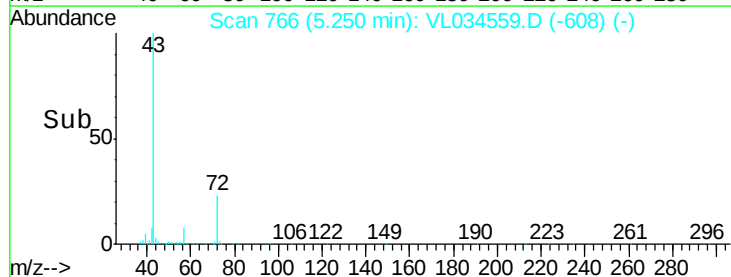
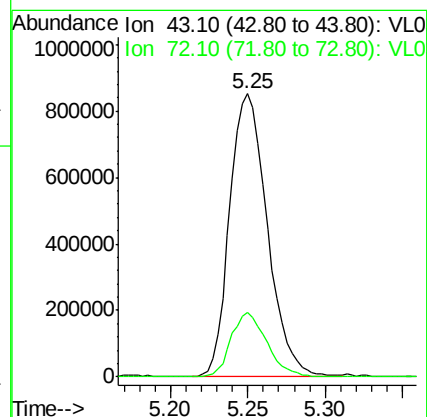
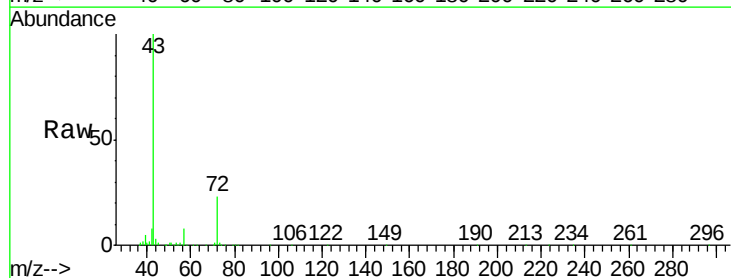
Manual Integrations
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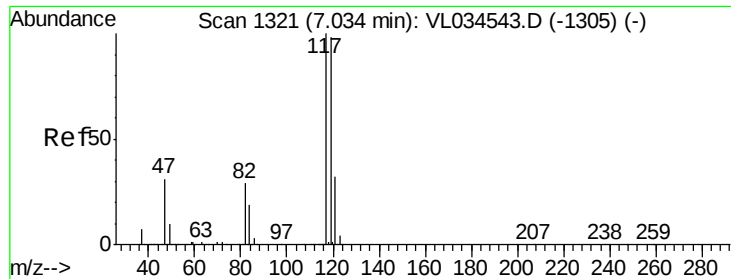
MMDadoda
 1/28/2020 2:02:50 PM



#34
 2-Butanone
 Concen: 9.457 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.0	25.4





#35

Carbon Tetrachloride

Concen: 9.755 ppbv

RT: 7.04 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion:117 Resp: 1877303

Ion Ratio Lower Upper

117 100

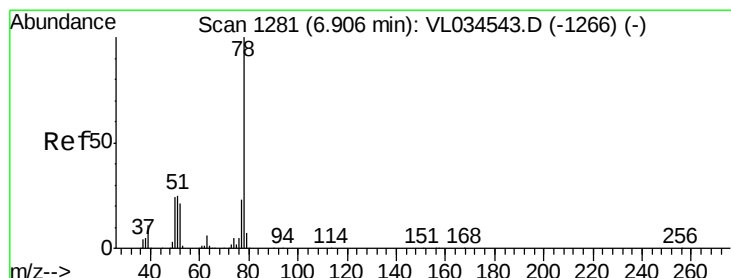
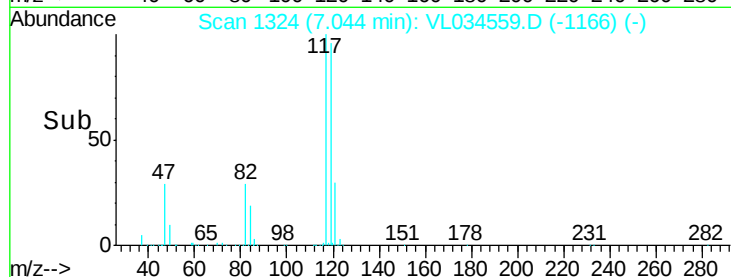
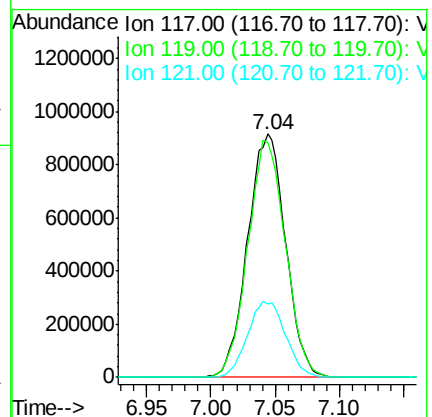
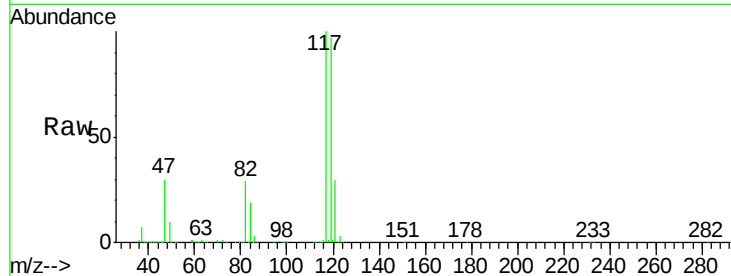
119 96.6 78.7 118.1

121 30.2 25.9 38.9

Manual Integrations
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#36

Benzene

Concen: 9.902 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

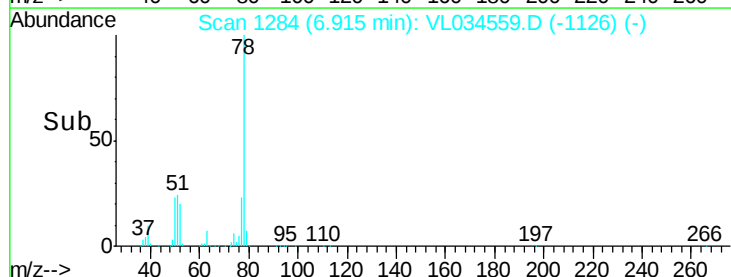
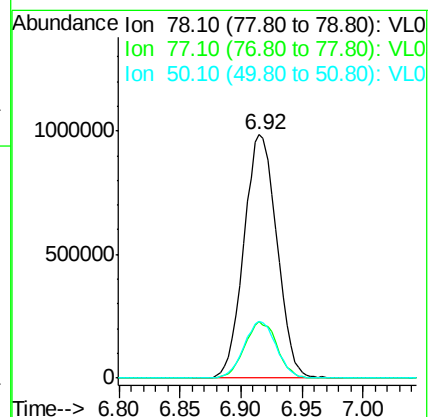
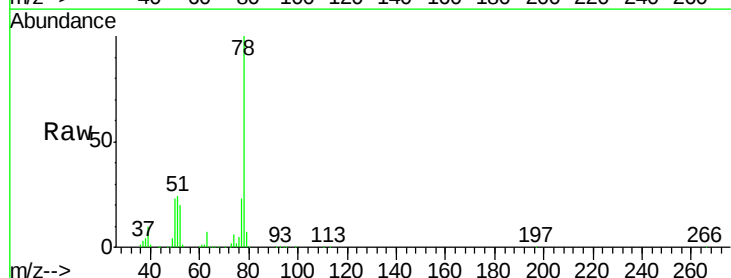
Tgt Ion: 78 Resp: 1831613

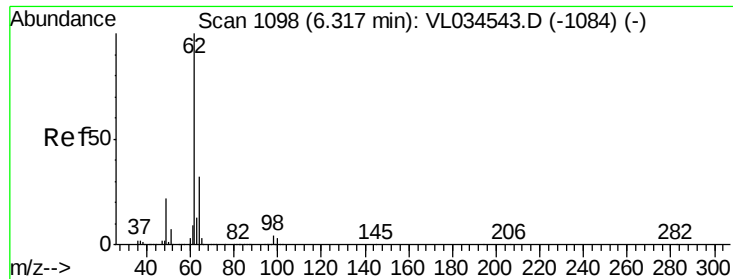
Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0

50 23.3 18.8 28.2





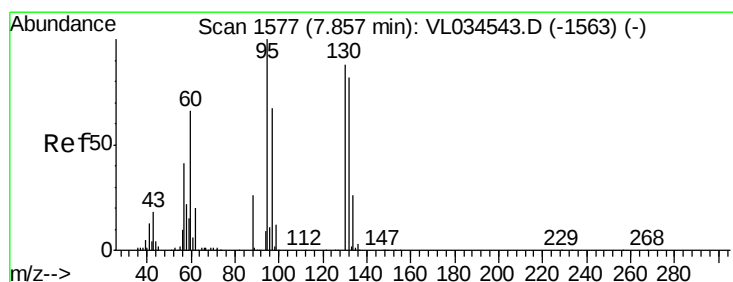
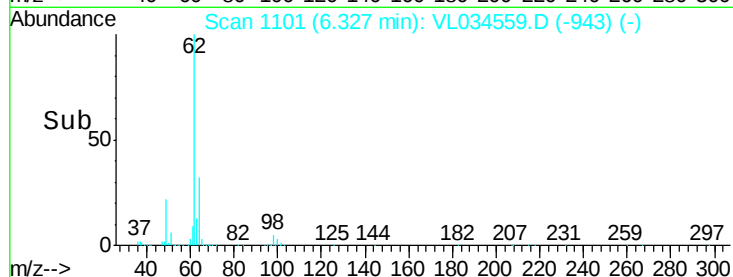
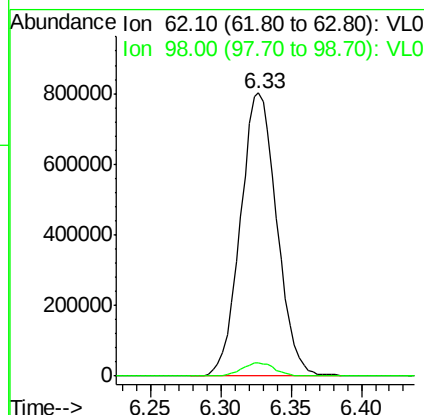
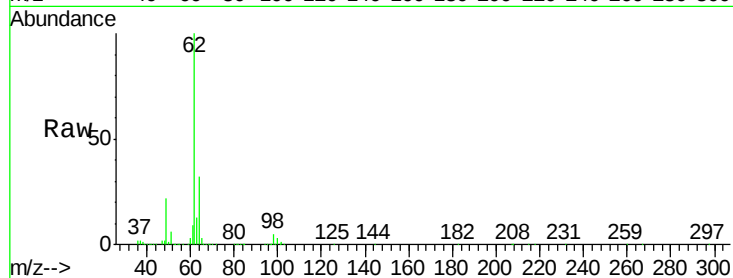
#37
 1,2-Dichloroethane
 Concen: 9.653 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.4	3.8	5.6

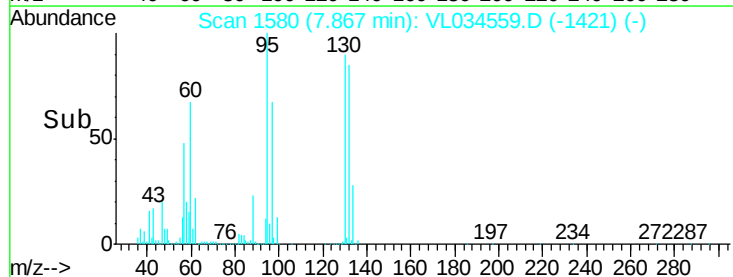
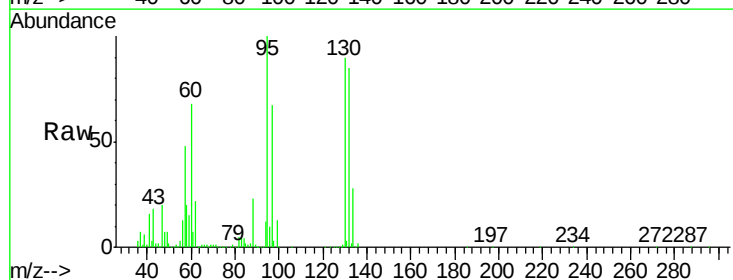
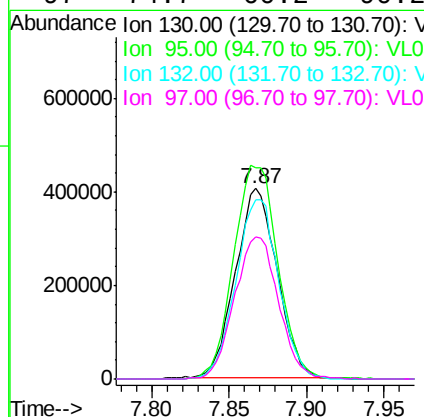
Manual Integrations
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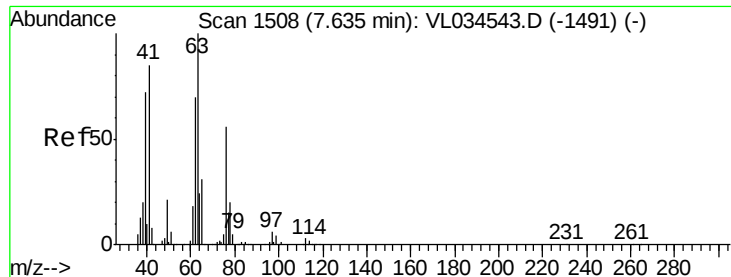
MMDadoda
 1/28/2020 2:02:50 PM



#38
 Trichloroethene
 Concen: 10.189 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.3	94.2	141.2
132	94.3	76.1	114.1
97	74.7	60.2	90.2





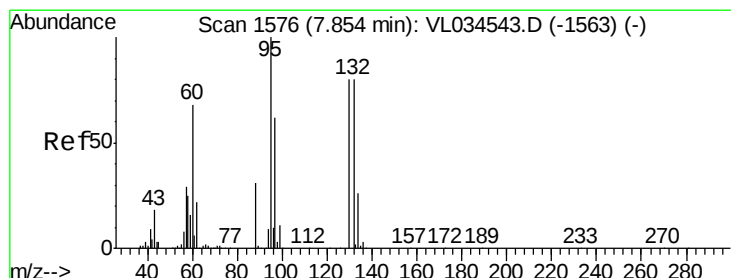
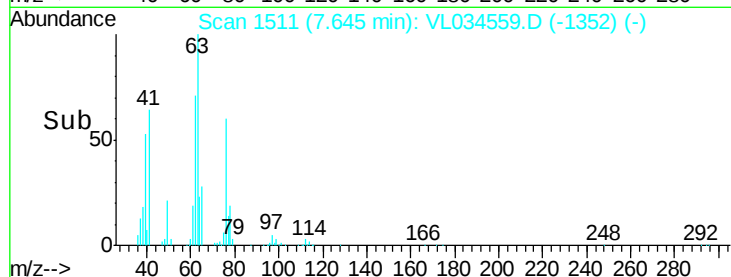
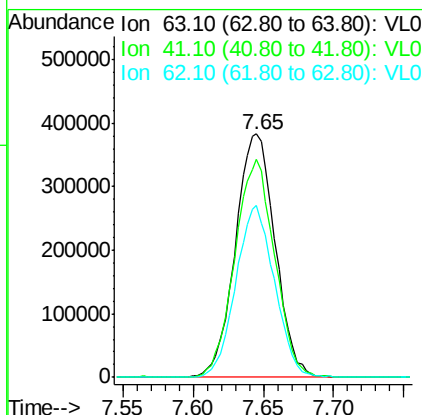
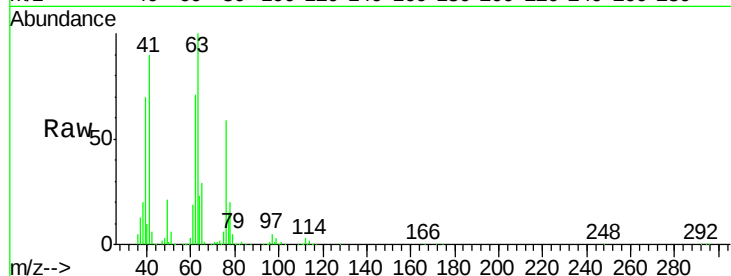
#39
 1,2-Dichloropropane
 Concen: 9.908 ppbv
 RT: 7.65 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	89.7	66.1	99.1
62	70.6	54.9	82.3

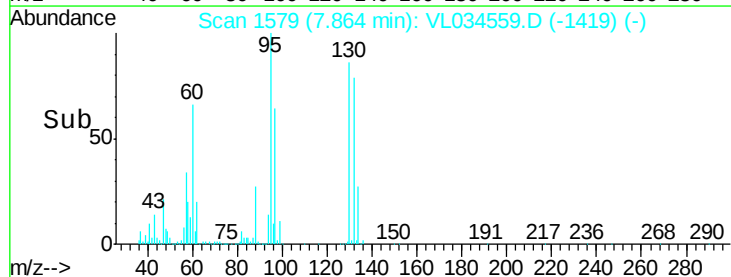
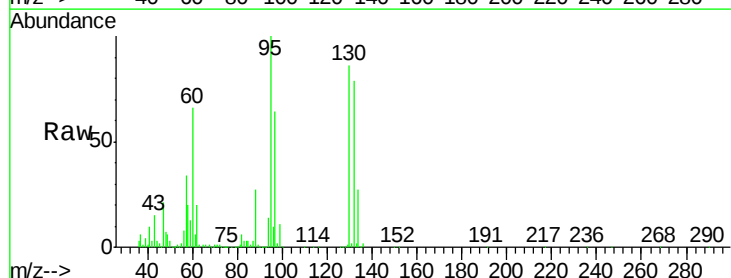
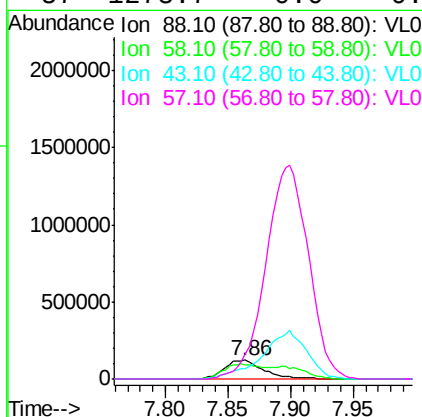
Manual Integrations
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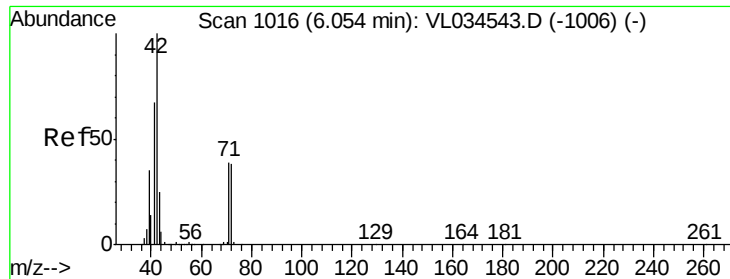
MMDadoda
 1/28/2020 2:02:50 PM



#40
 1,4-Dioxane
 Concen: 8.356 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	140.2	107.9	161.9
43	304.1	0.0	0.0#
57	1278.7	0.0	0.0#





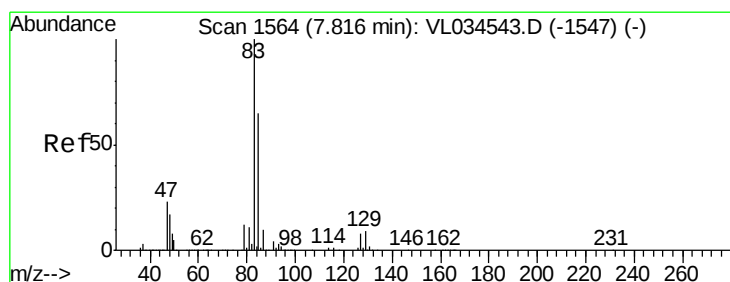
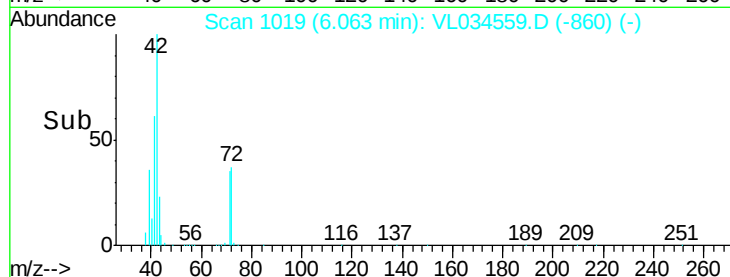
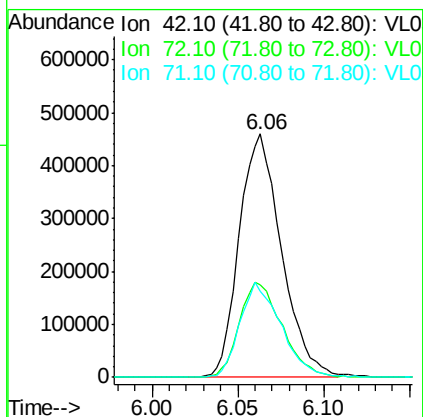
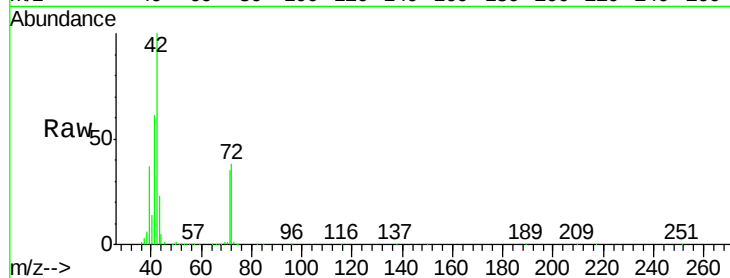
#41
Tetrahydrofuran
Concen: 10.090 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	30.9	46.3
71	38.1	28.9	43.3

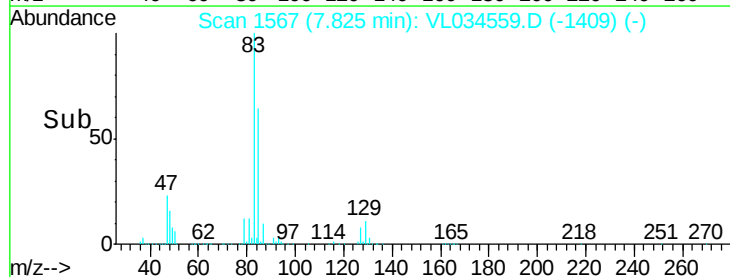
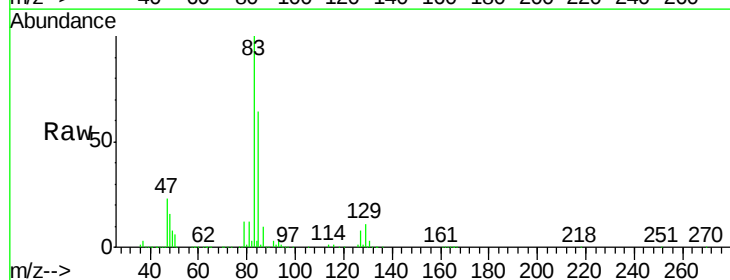
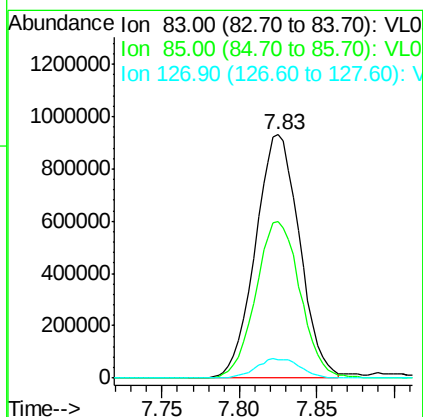
Manual Integrations
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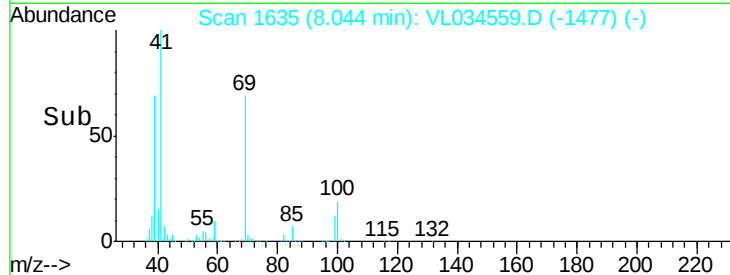
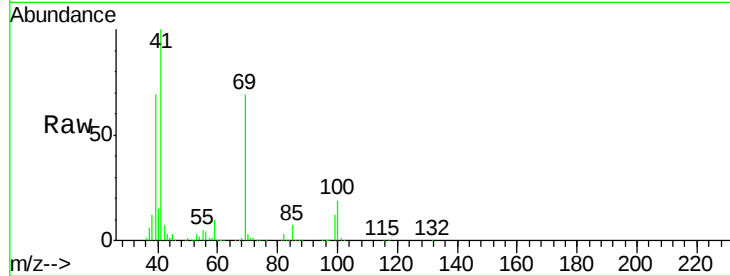
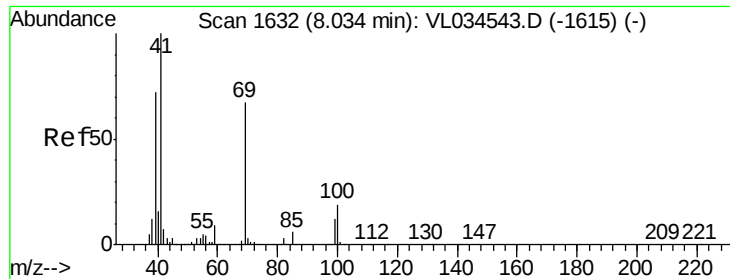
MMDadoda
1/28/2020 2:02:50 PM



#42
Bromodichloromethane
Concen: 9.971 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.4	74.2
127	7.7	6.2	9.4





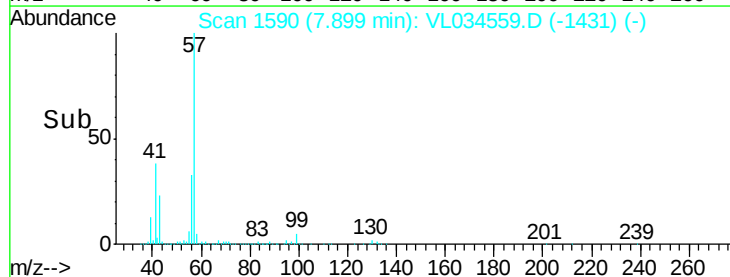
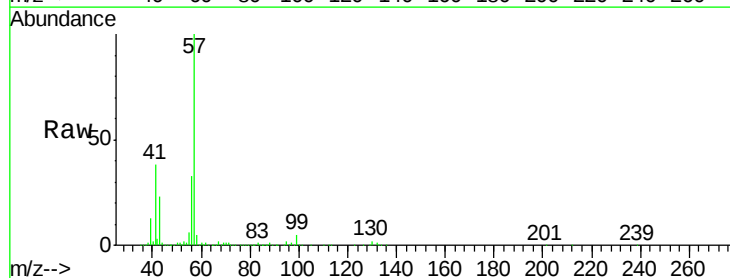
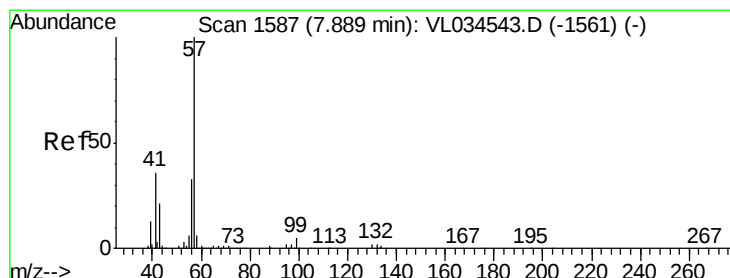
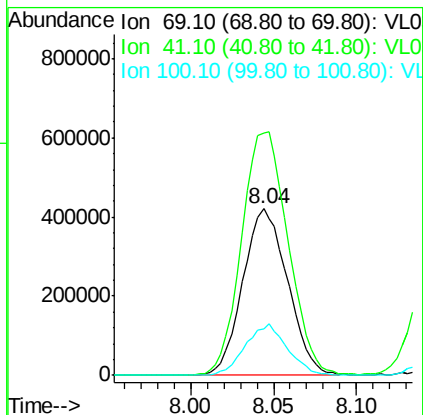
#43
Methvl Methacrylate
Concen: 10.455 ppbv
RT: 8.04 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tot Ion	Ratio	Lower	Upper
69	100		
41	152.0	124.0	186.0
100	29.3	23.1	34.7

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

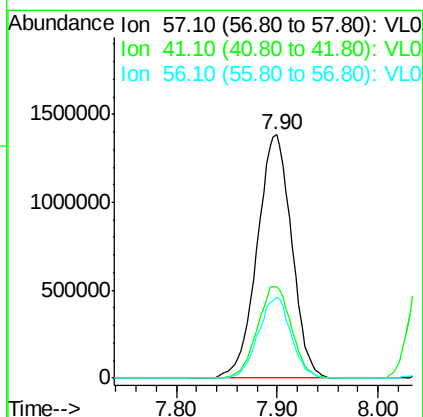
Manual Integrations
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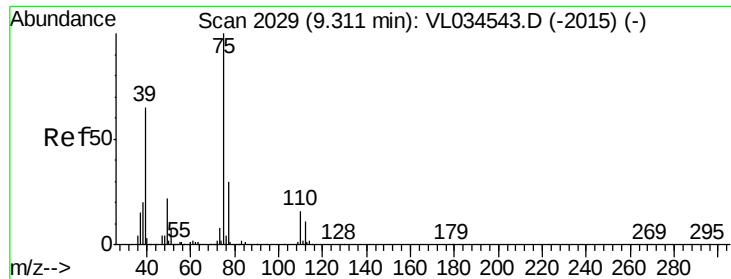
MMDadoda
1/28/2020 2:02:50 PM



#44
2,2,4-Trimethylpentane
Concen: 9.610 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	37.2	29.0	43.4
56	31.6	24.9	37.3





#45

t-1,3-Dichloropropene

Concen: 10.844 ppbv

RT: 9.32 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion: 75 Resp: 1054017

Ion Ratio Lower Upper

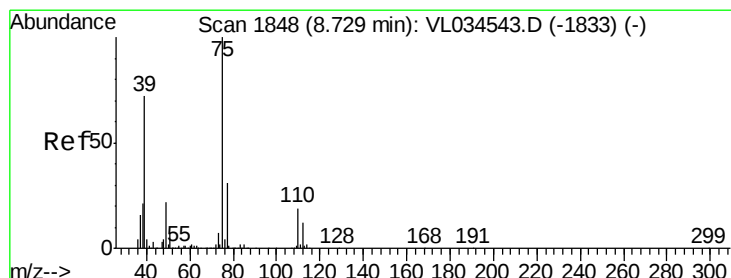
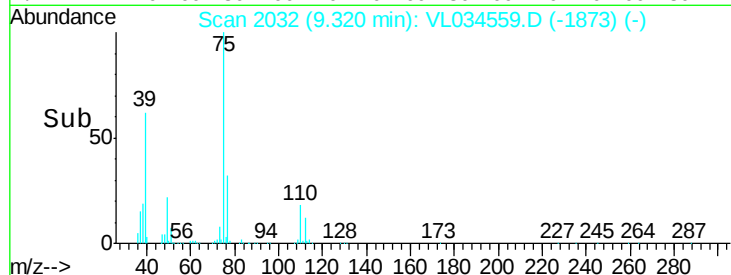
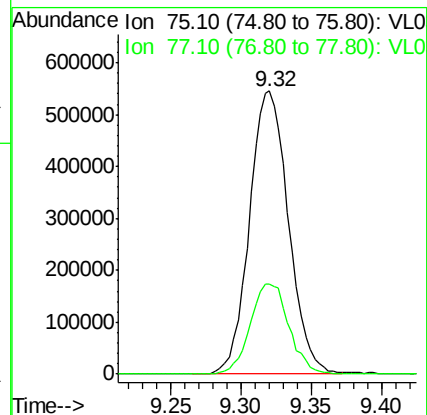
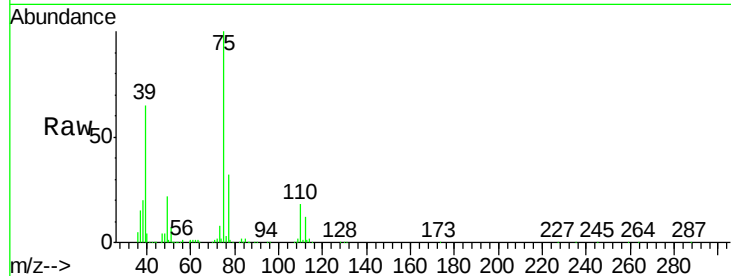
75 100

77 32.1 24.2 36.2

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#46

cis-1,3-Dichloropropene

Concen: 10.616 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

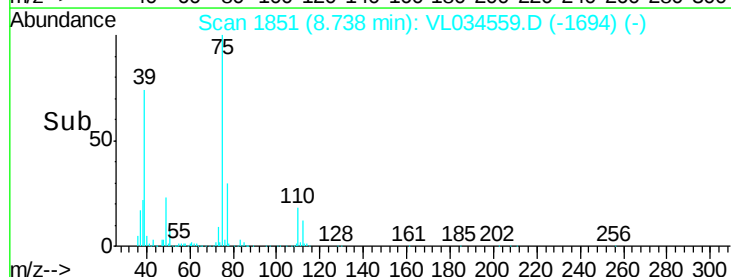
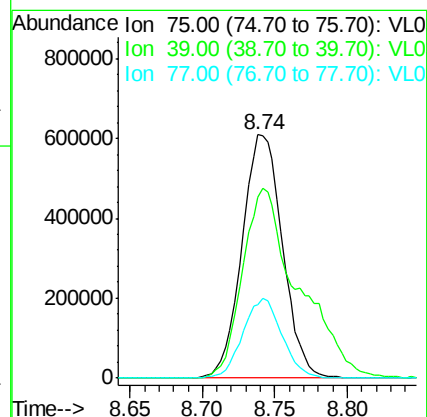
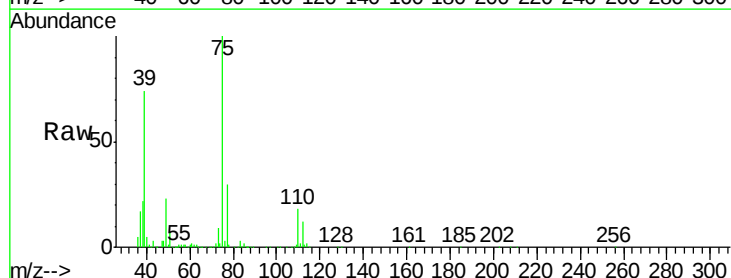
Tgt Ion: 75 Resp: 1179481

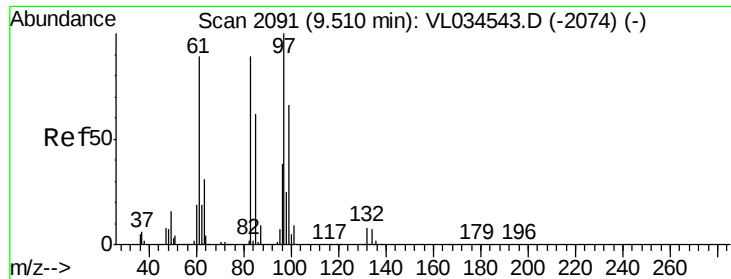
Ion Ratio Lower Upper

75 100

39 74.4 60.5 90.7

77 30.4 24.8 37.2





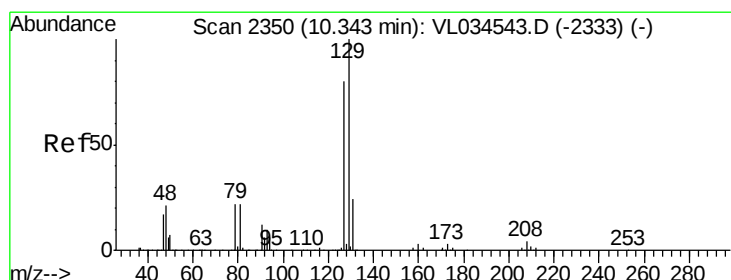
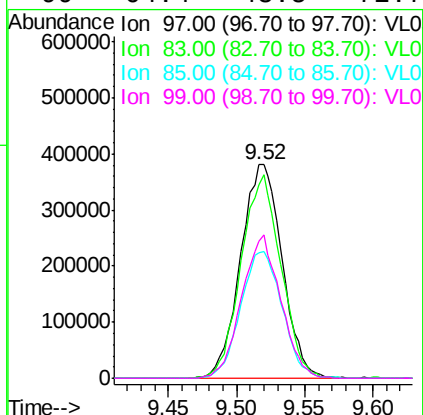
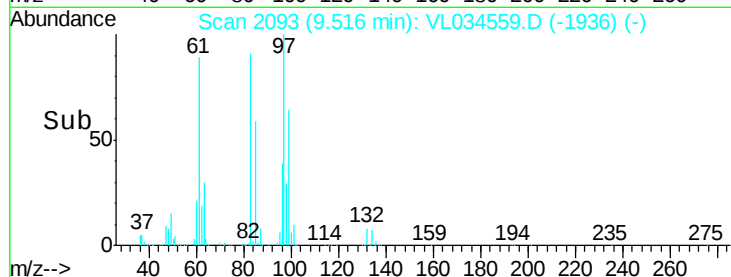
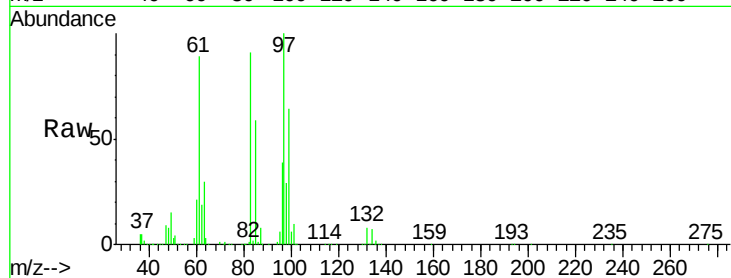
#47
 1,1,2-Trichloroethane
 Concen: 9.607 ppbv
 RT: 9.52 min Scan# 2093
 Delta R.T. 0.00 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		805484		
83	90.4	75.0	112.4		
85	58.8	48.2	72.4		
99	64.4	48.5	72.7		

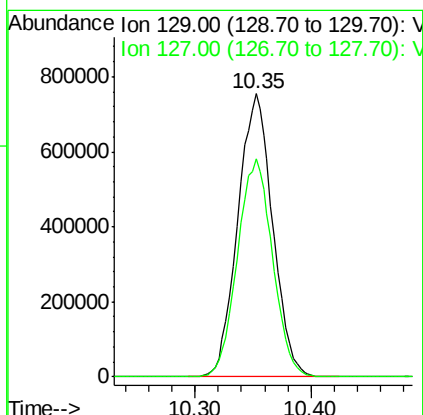
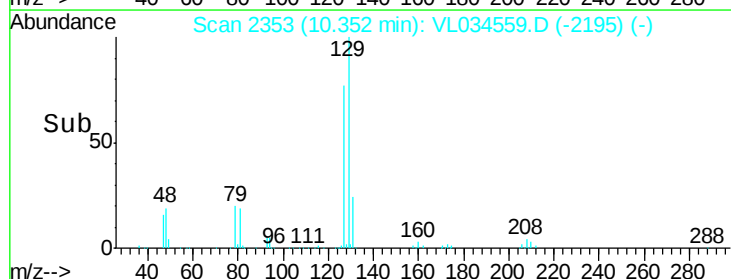
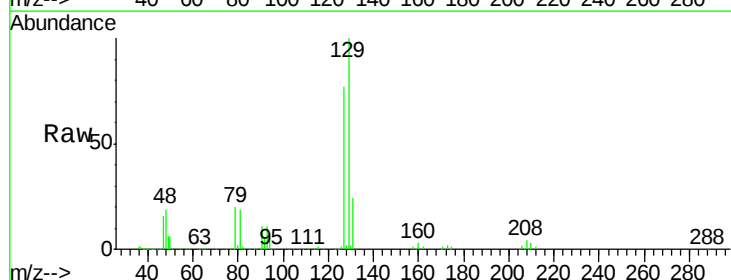
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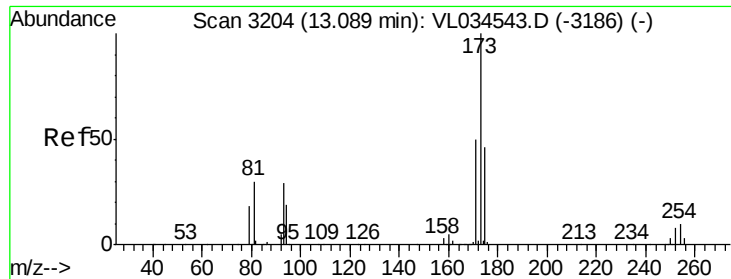
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.802 ppbv
 RT: 10.35 min Scan# 2353
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1570008		
127	77.6	39.4	118.2		





#49

Bromoform

Concen: 10.584 ppbv

RT: 13.10 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion:173 Resp: 1392639

Ion Ratio Lower Upper

173 100

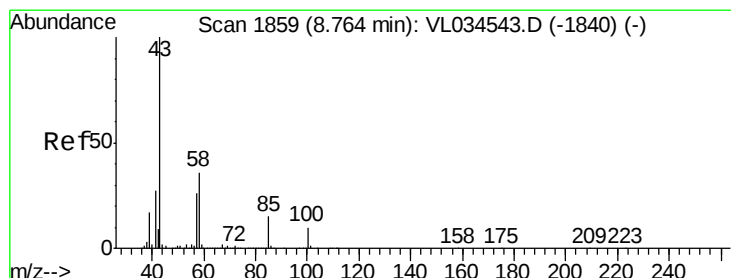
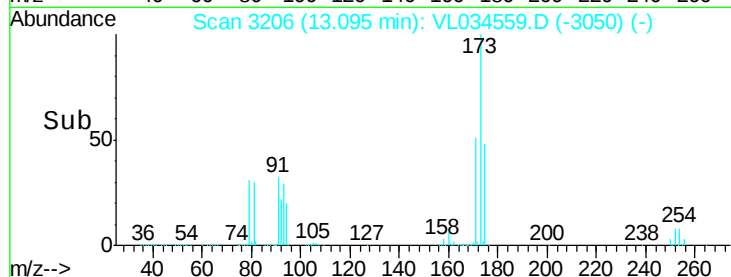
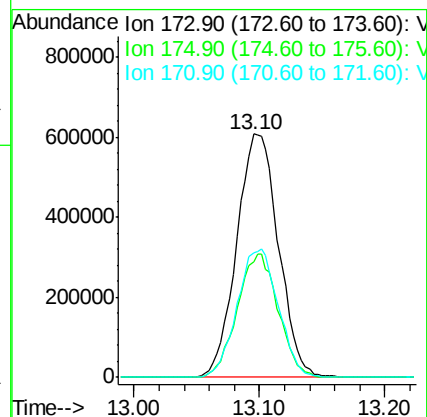
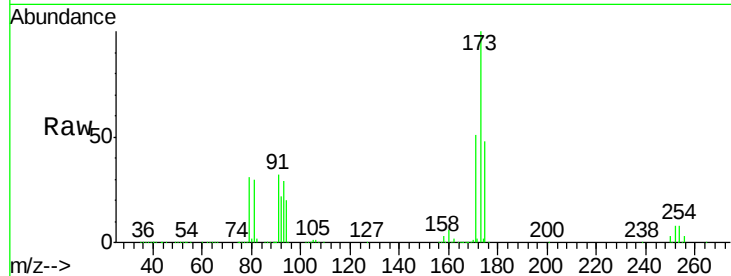
175 50.1 39.8 59.8

171 52.4 42.1 63.1

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#50

4-Methyl-2-Pentanone

Concen: 9.930 ppbv

RT: 8.77 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VL034559.D

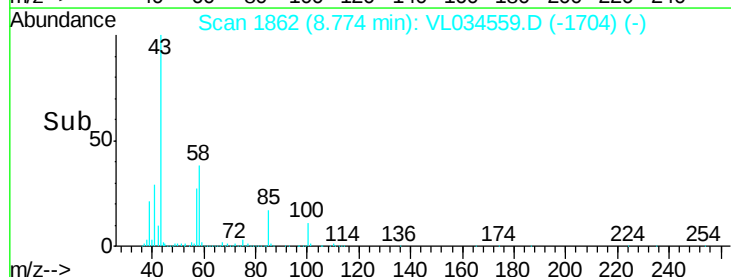
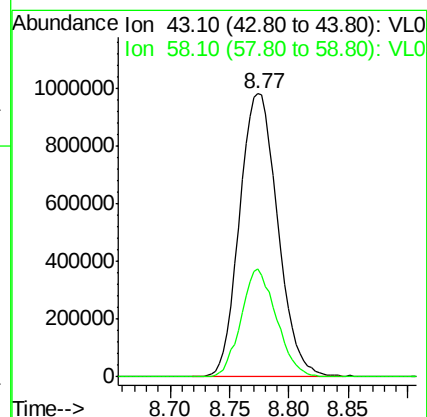
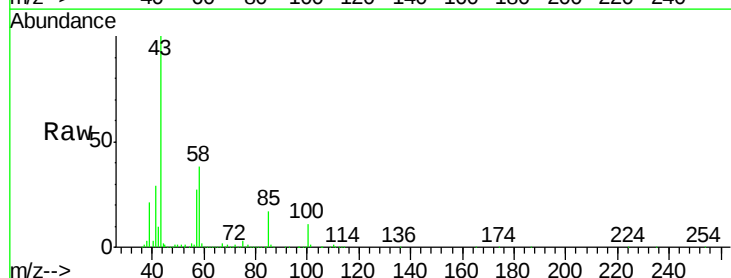
Acq: 27 Jan 2020 12:59

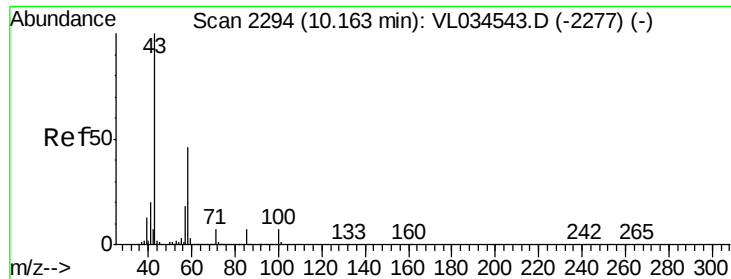
Tgt Ion: 43 Resp: 2185886

Ion Ratio Lower Upper

43 100

58 35.4 28.2 42.2





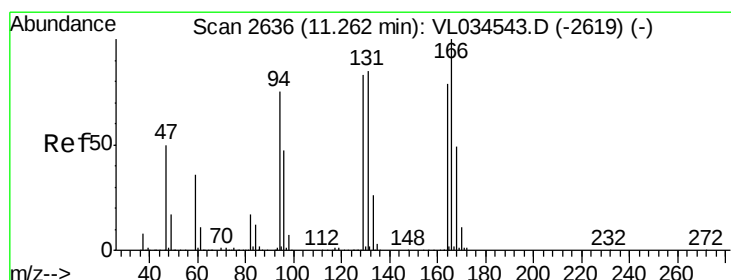
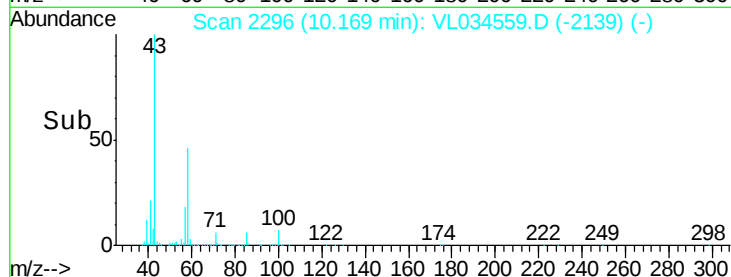
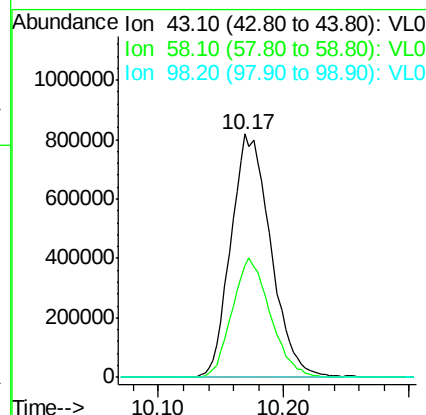
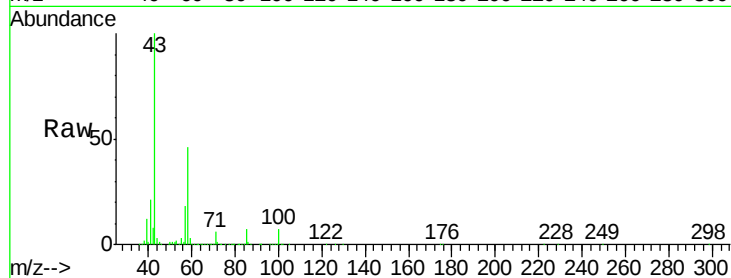
#51
2-Hexanone
Concen: 10.073 ppbv
RT: 10.17 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tot Ion: 43 Resp: 1789800
Ion Ratio Lower Upper
43 100
58 47.4 37.4 56.0
98 0.2 0.2 0.2#

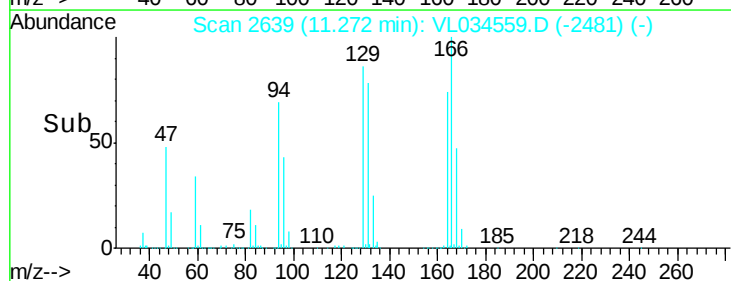
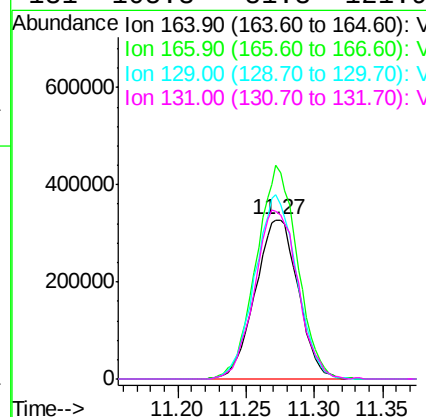
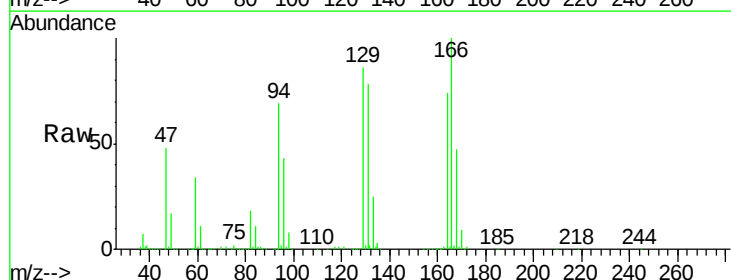
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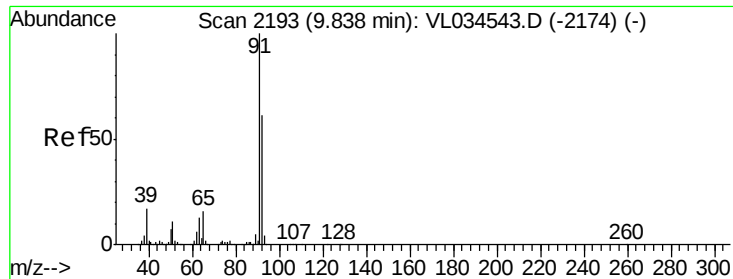
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#52
Tetrachloroethene
Concen: 9.914 ppbv
RT: 11.27 min Scan# 2639
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion:164 Resp: 715630
Ion Ratio Lower Upper
164 100
166 134.4 95.7 143.5
129 115.6 82.2 123.2
131 105.3 81.3 121.9





#53

Toluene

Concen: 10.605 ppbv

RT: 9.85 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion: 91 Resp: 2155057

Ion Ratio Lower Upper

91 100

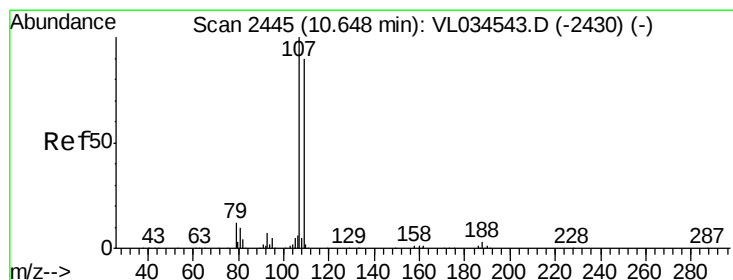
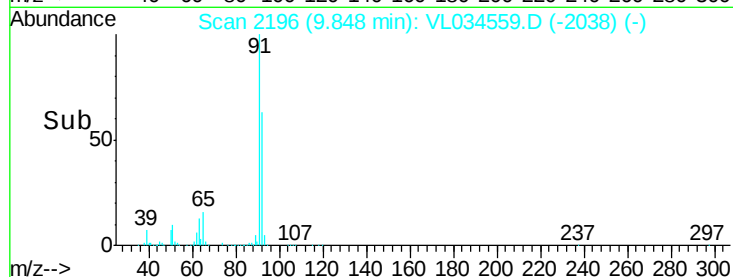
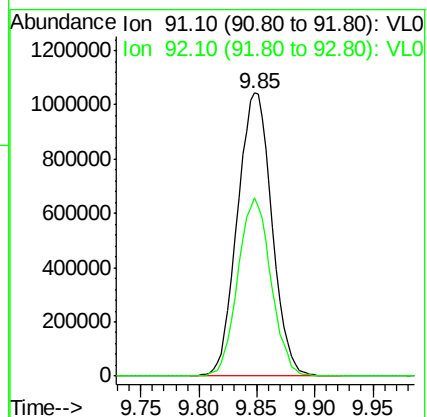
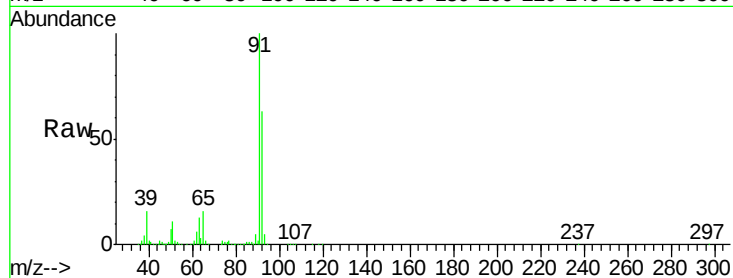
92 60.3 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 10.558 ppbv

RT: 10.66 min Scan# 2449

Delta R.T. 0.01 min

Lab File: VL034559.D

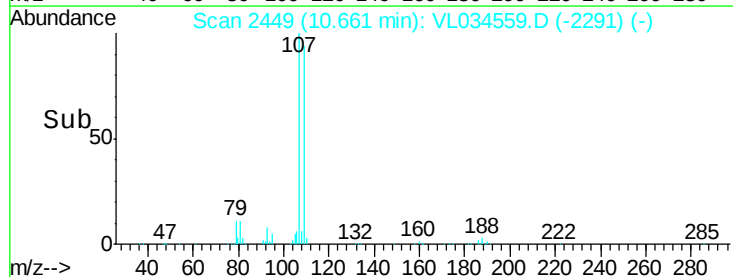
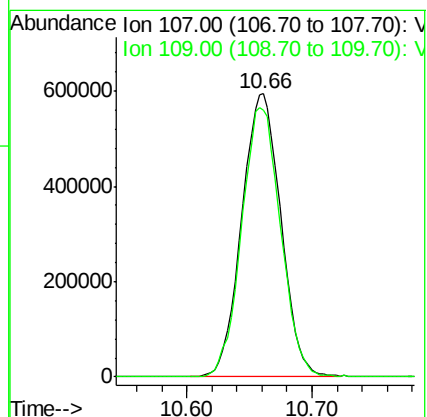
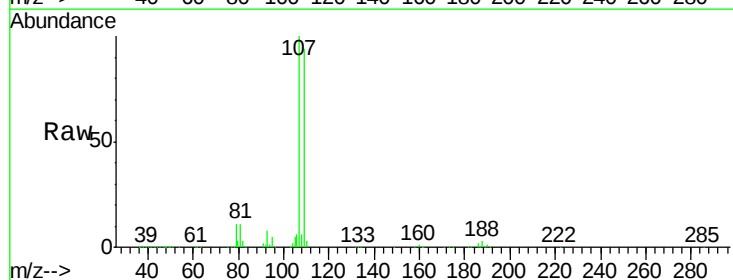
Acq: 27 Jan 2020 12:59

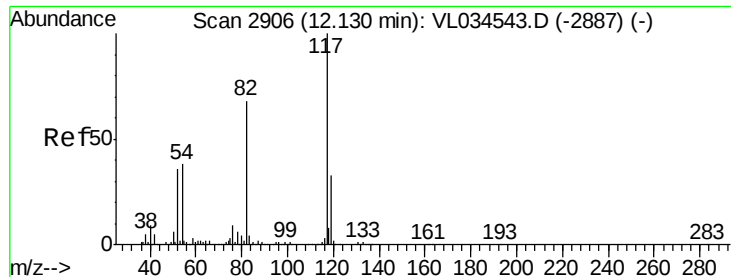
Tgt Ion: 107 Resp: 1288210

Ion Ratio Lower Upper

107 100

109 94.4 75.5 113.3





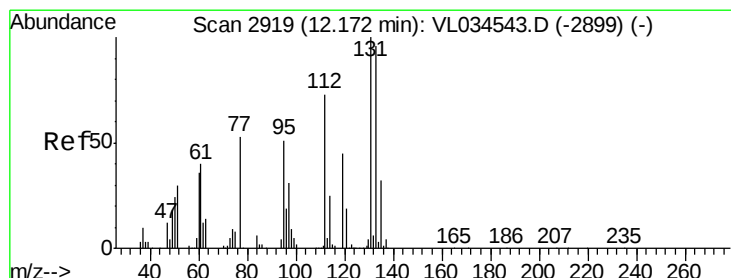
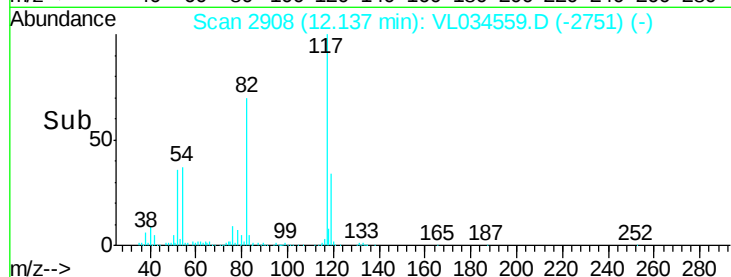
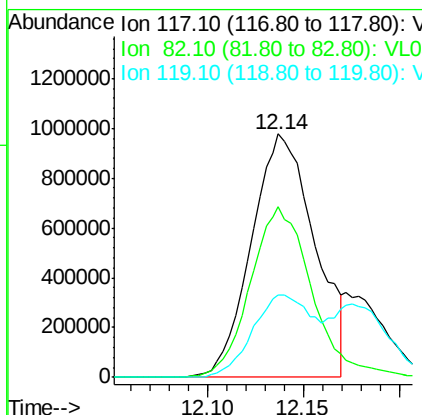
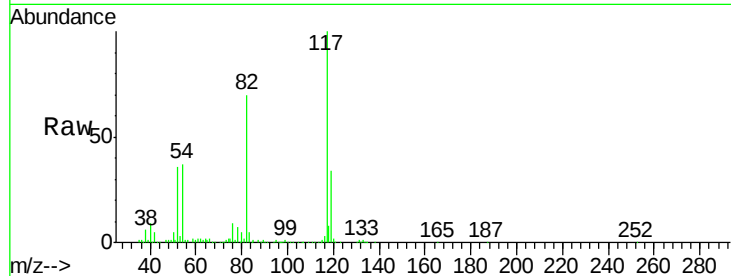
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.14 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tot Ion:117 Resp: 2244146
Ion Ratio Lower Upper
117 100
82 68.3 56.2 84.4
119 32.2 27.1 40.7

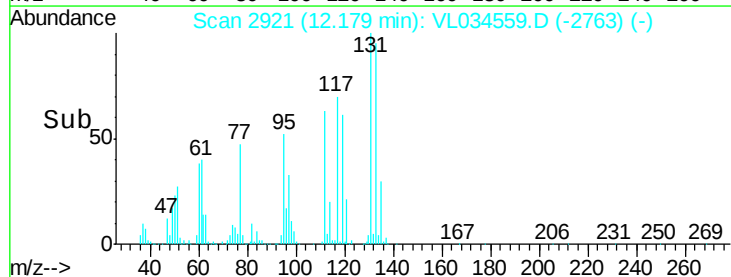
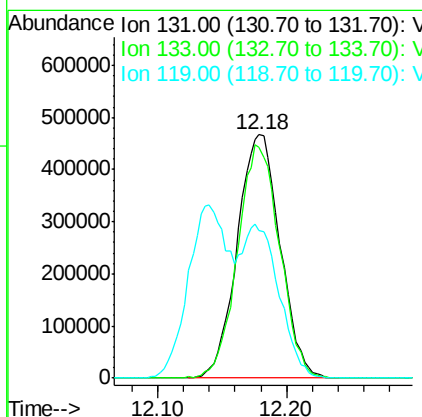
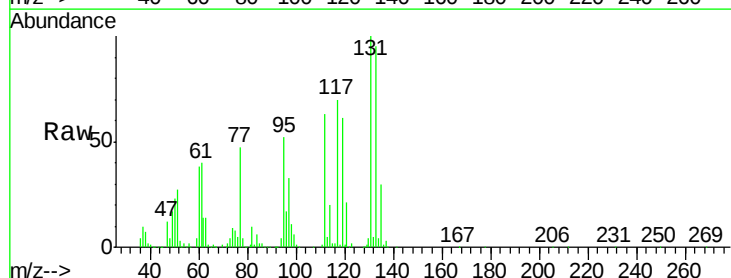
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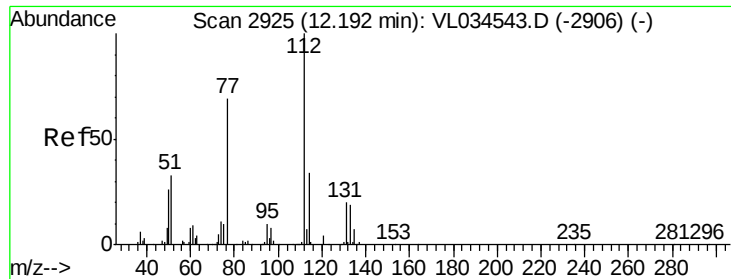
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.927 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion:131 Resp: 1075471
Ion Ratio Lower Upper
131 100
133 94.5 76.2 114.2
119 48.1 47.1 70.7





#57

Chlorobenzene

Concen: 9.356 ppbv

RT: 12.20 min Scan# 2928

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion:112 Resp: 1732302

Ion Ratio Lower Upper

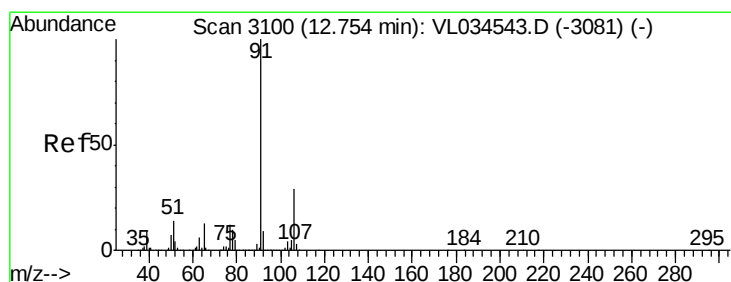
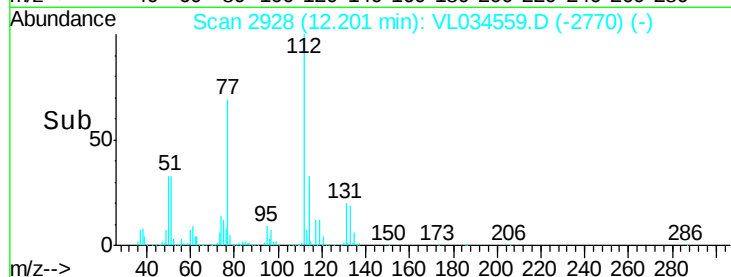
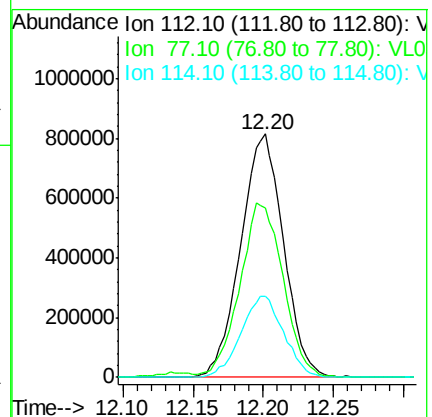
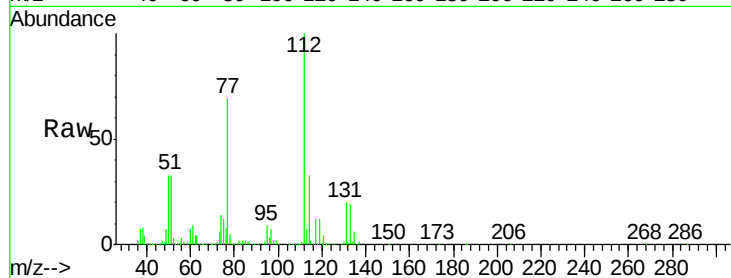
112 100

77 69.1 57.4 86.0

114 33.1 28.4 34.8

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#58

Ethyl Benzene

Concen: 9.998 ppbv

RT: 12.76 min Scan# 3103

Delta R.T. 0.01 min

Lab File: VL034559.D

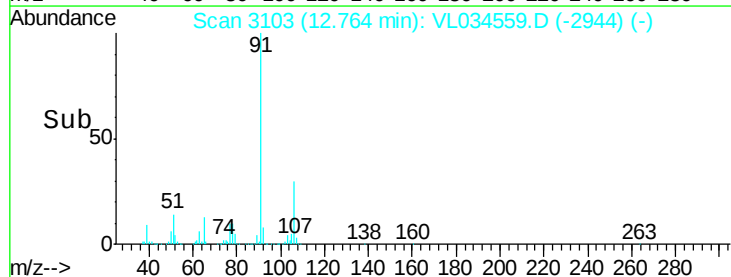
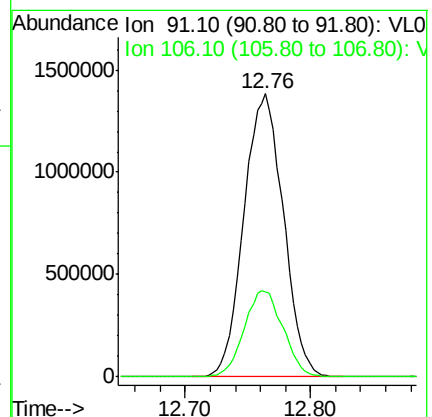
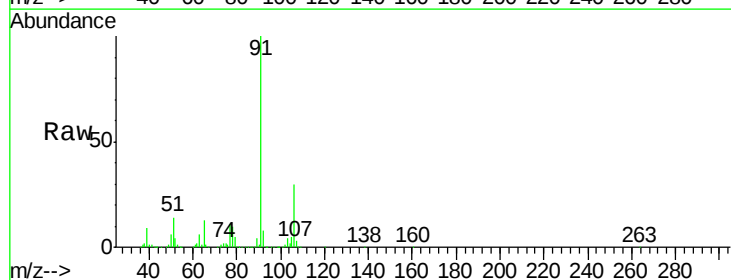
Acq: 27 Jan 2020 12:59

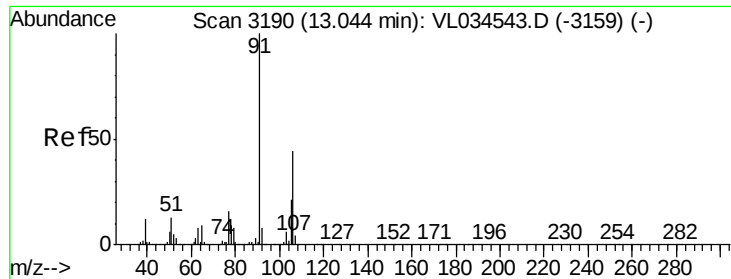
Tgt Ion: 91 Resp: 3025978

Ion Ratio Lower Upper

91 100

106 29.8 24.6 36.8





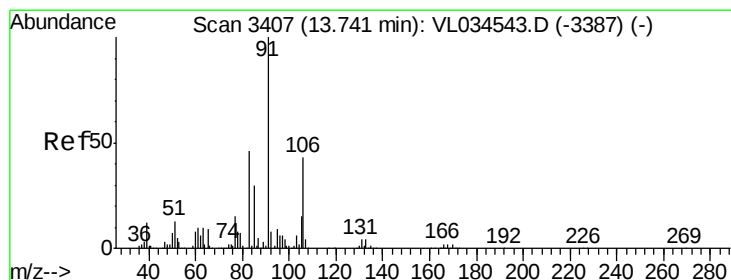
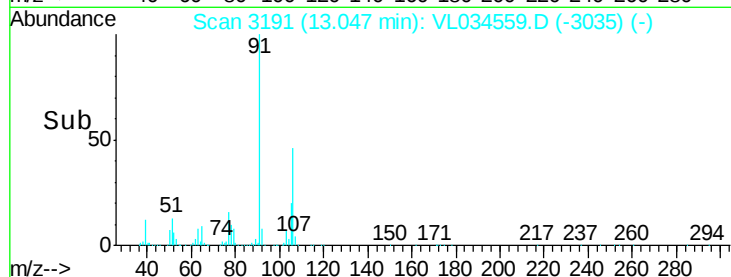
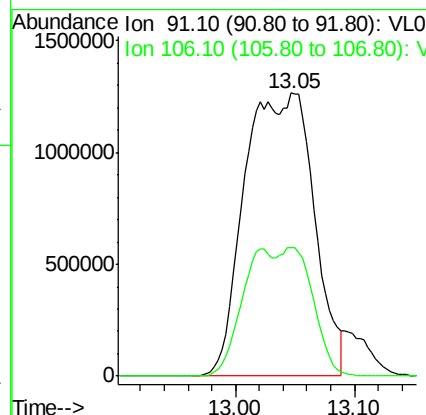
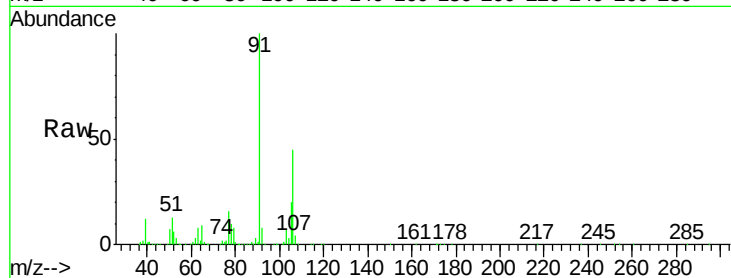
#59
m/p-Xylene
Concen: 19.262 ppbv m
RT: 13.05 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampled :
VL0127ABS01

Tot Ion: 91 Resp: 5097880
Ion Ratio Lower Upper
91 100
106 44.3 35.6 53.4

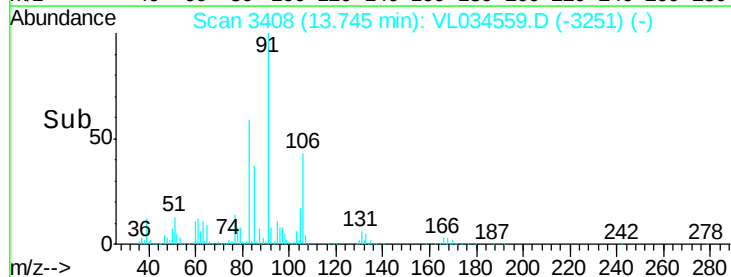
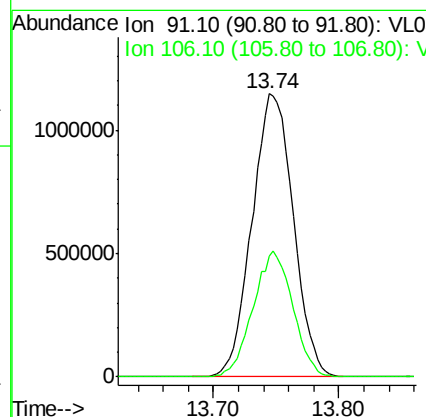
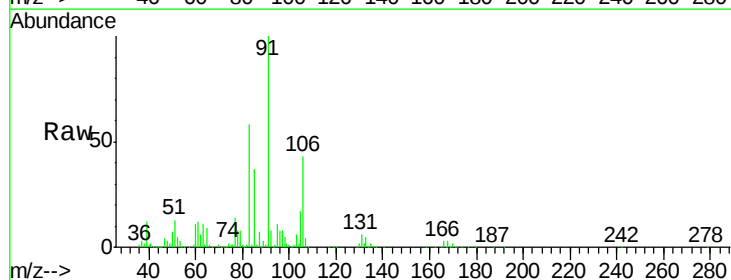
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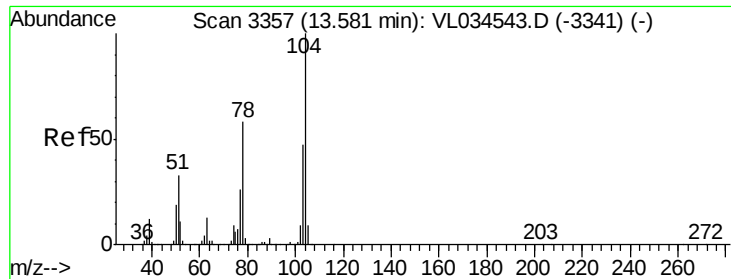
MMDadoda
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#60
o-Xylene
Concen: 9.914 ppbv
RT: 13.74 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion: 91 Resp: 2632900
Ion Ratio Lower Upper
91 100
106 42.9 21.4 64.3





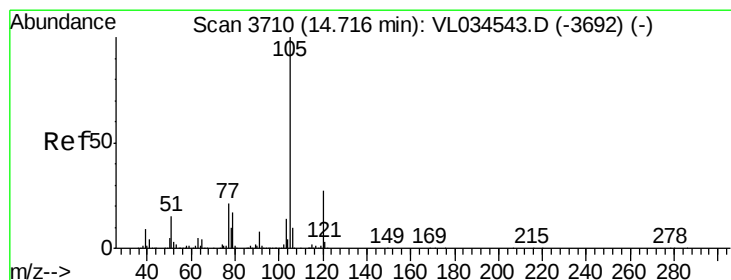
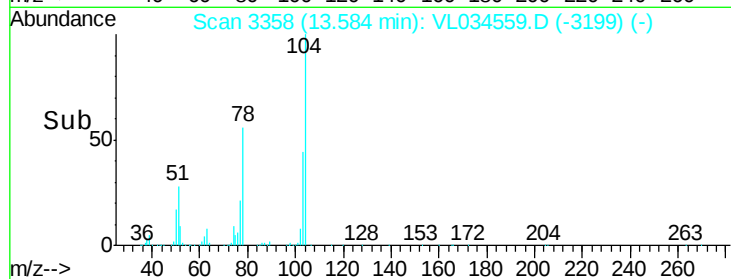
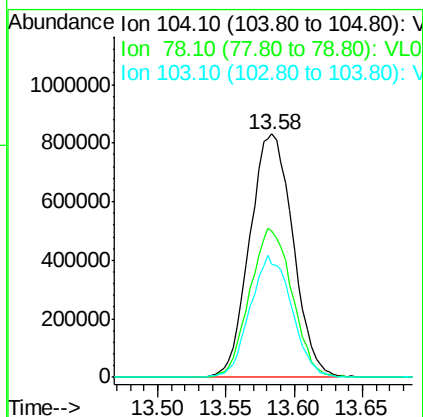
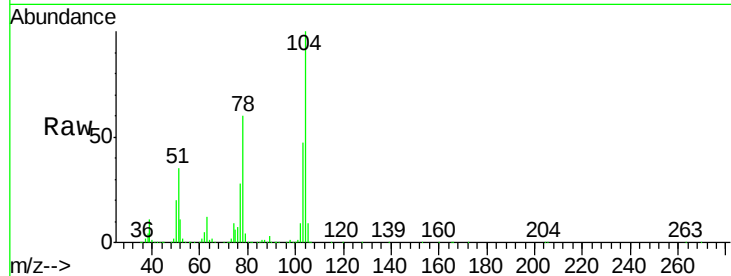
#61
Stvrene
Concen: 10.068 ppbv
RT: 13.58 min Scan# 3358
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampled :
VL0127ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.2	47.7	71.5
103	48.1	38.6	58.0

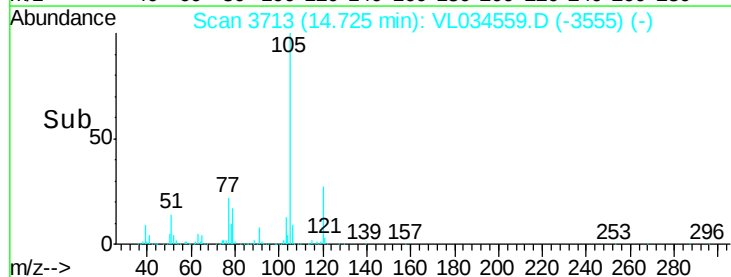
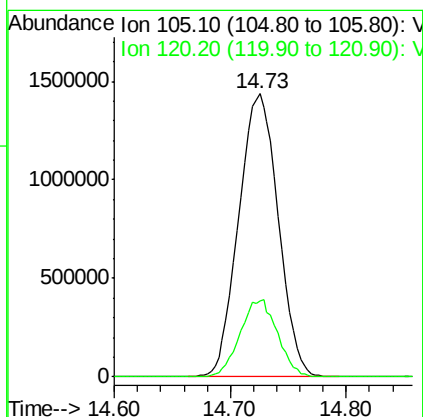
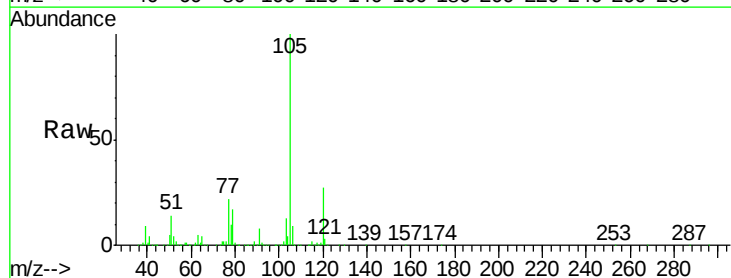
Manual Integrations
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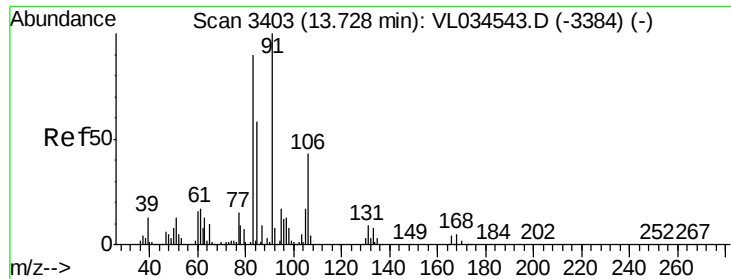
MMDadoda
1/28/2020 2:02:50 PM



#62
Isopropylbenzene
Concen: 9.805 ppbv
RT: 14.73 min Scan# 3713
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 8.849 ppbv

RT: 13.73 min Scan# 3405

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion: 83 Resp: 1885163

Ion Ratio Lower Upper

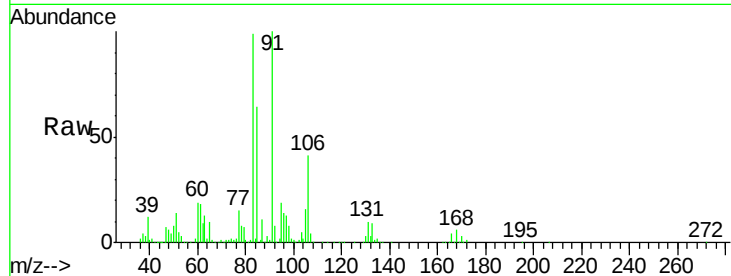
83 100

131 10.0 4.8 14.4

85 65.6 32.5 97.4

Manual Integrations
APPROVED

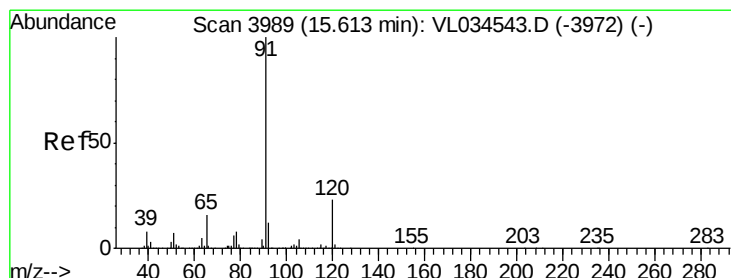
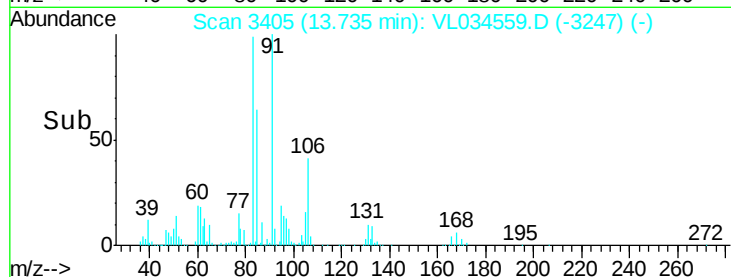
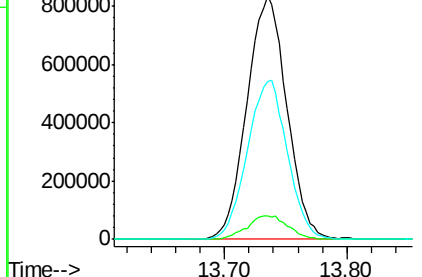
MMDadoda
1/28/2020 2:02:50 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.111 ppbv

RT: 15.62 min Scan# 3992

Delta R.T. 0.01 min

Lab File: VL034559.D

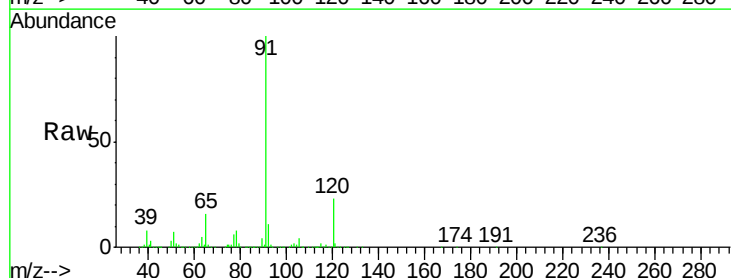
Acq: 27 Jan 2020 12:59

Tgt Ion:120 Resp: 896877

Ion Ratio Lower Upper

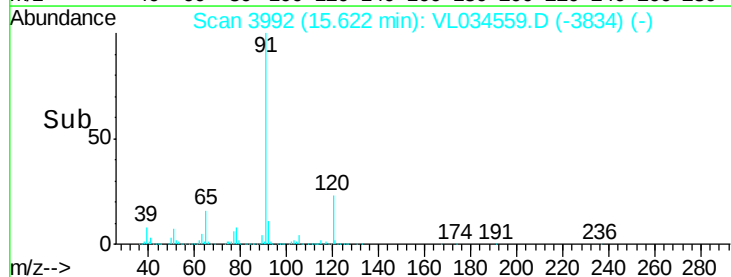
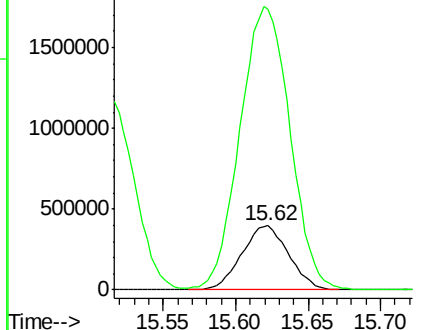
120 100

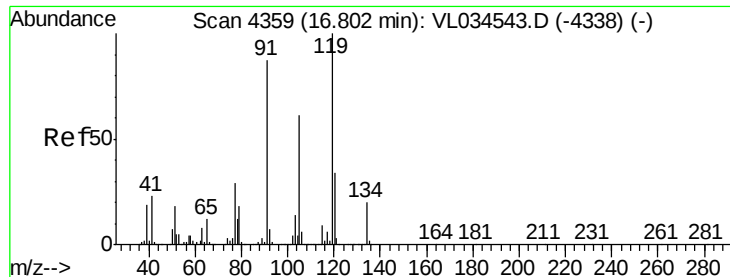
91 470.0 375.6 563.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





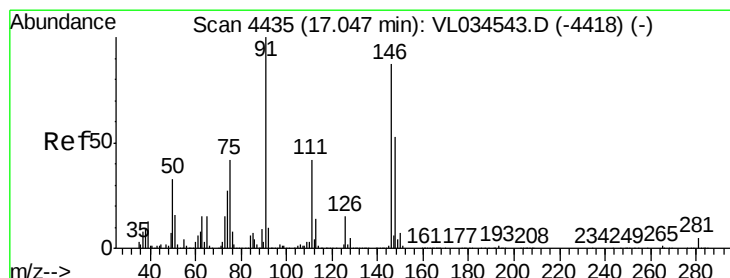
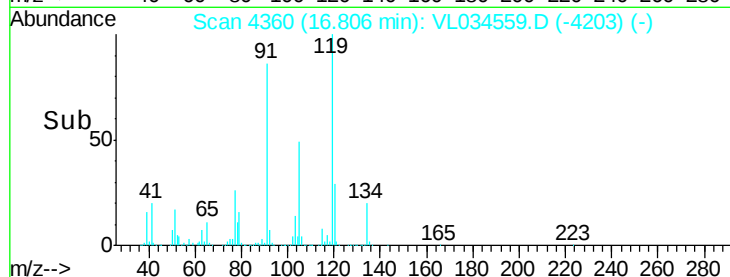
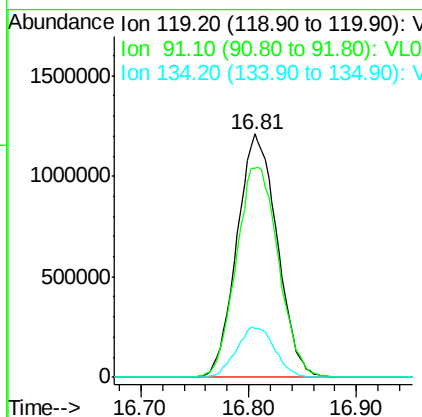
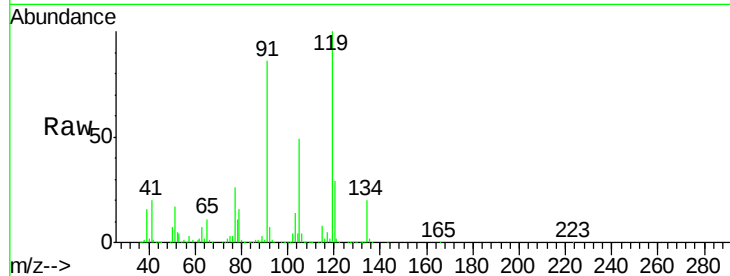
#65
tert-Butylbenzene
Concen: 10.003 ppbv
RT: 16.81 min Scan# 4360
Delta R.T. 0.00 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tot Ion:119 Resp: 3139291
Ion Ratio Lower Upper
119 100
91 90.8 72.0 108.0
134 19.7 16.1 24.1

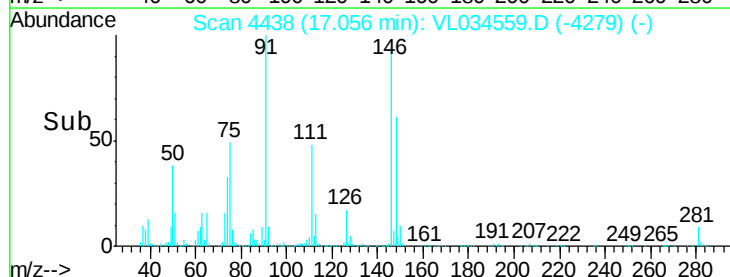
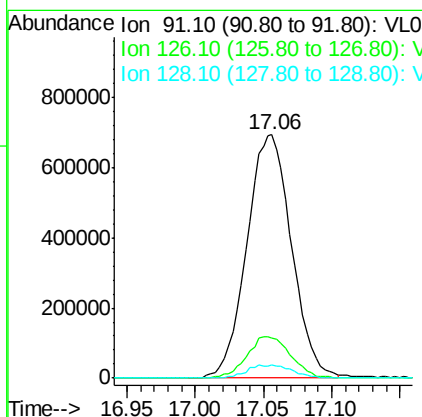
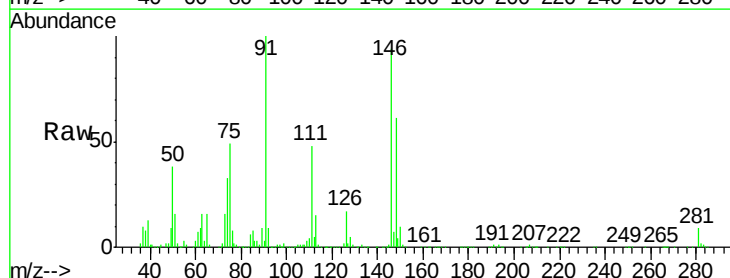
Manual Integrations
APPROVED

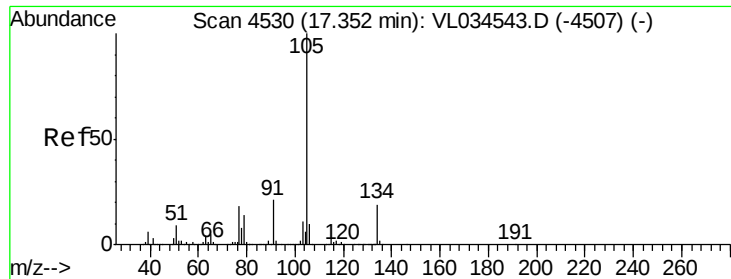
MMDadoda
1/28/2020 2:02:50 PM



#66
Benzyl Chloride
Concen: 11.448 ppbv
RT: 17.06 min Scan# 4438
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion: 91 Resp: 1574700
Ion Ratio Lower Upper
91 100
126 16.9 13.1 19.7
128 5.5 4.2 6.4





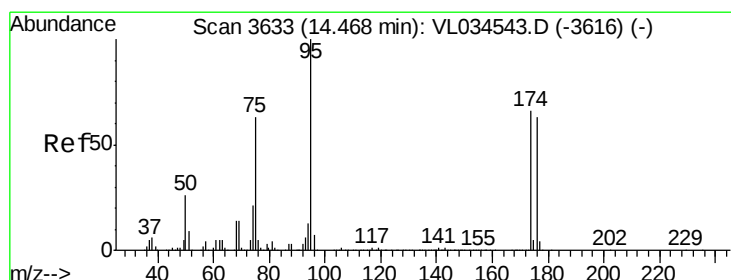
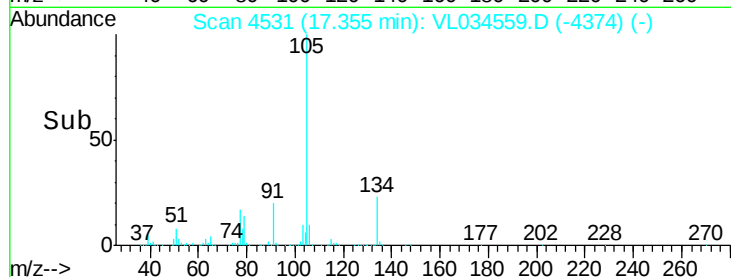
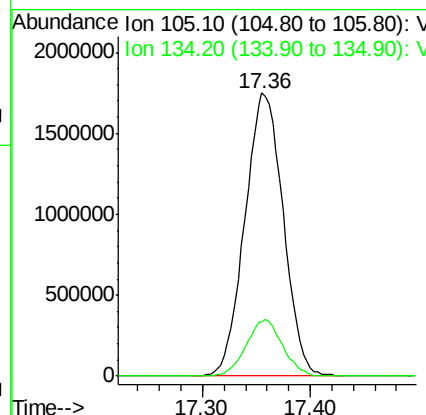
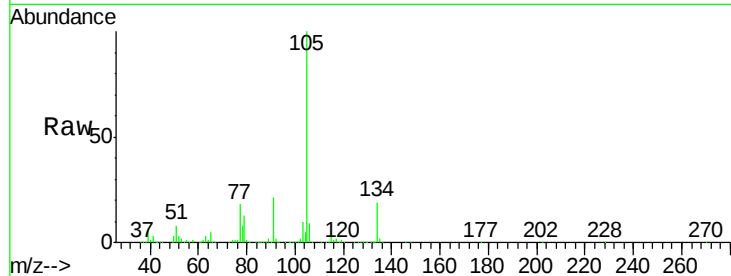
#67
 sec-Butylbenzene
 Concen: 9.818 ppbv
 RT: 17.36 min Scan# 4531
 Delta R.T. 0.00 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Tot Ion: 105 Resp: 4327382
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.1 22.7

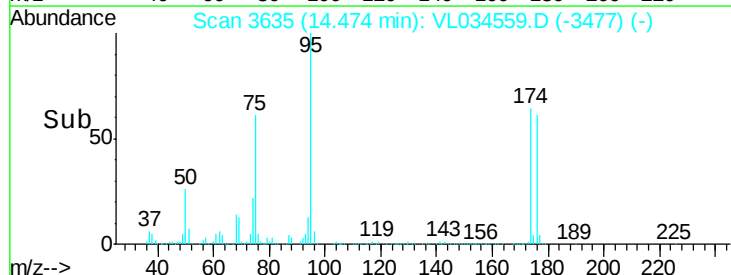
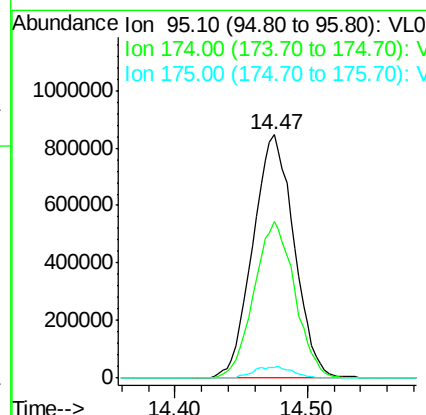
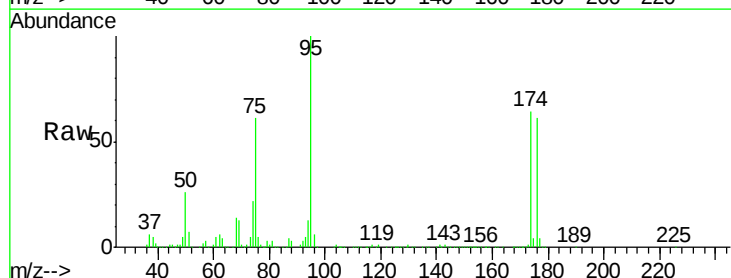
Manual Integrations
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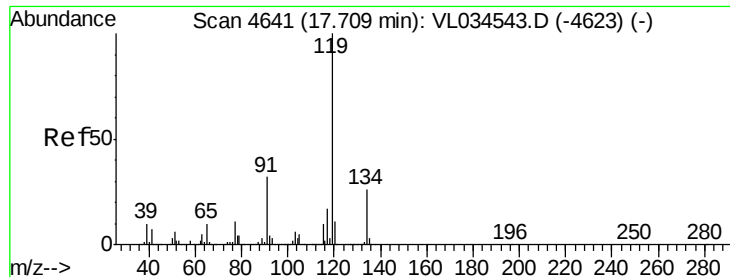
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.782 ppbv
 RT: 14.47 min Scan# 3635
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion: 95 Resp: 1831733
 Ion Ratio Lower Upper
 95 100
 174 64.1 52.4 78.6
 175 4.5 3.9 5.9





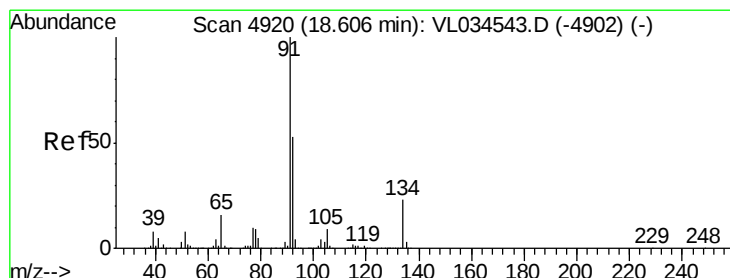
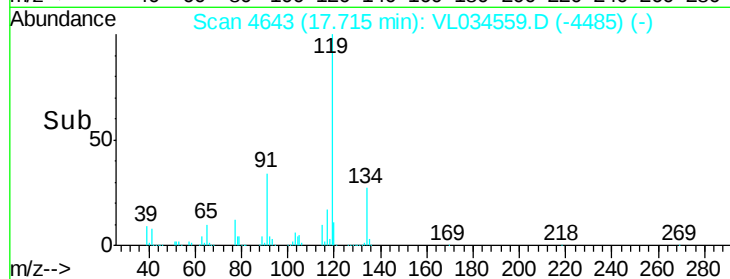
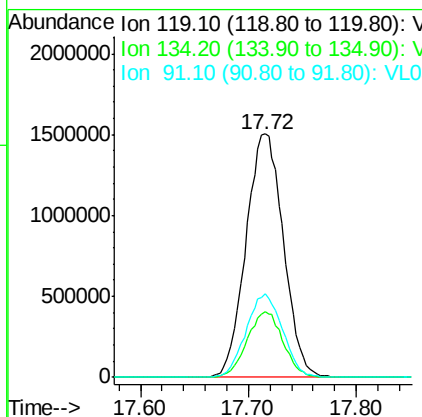
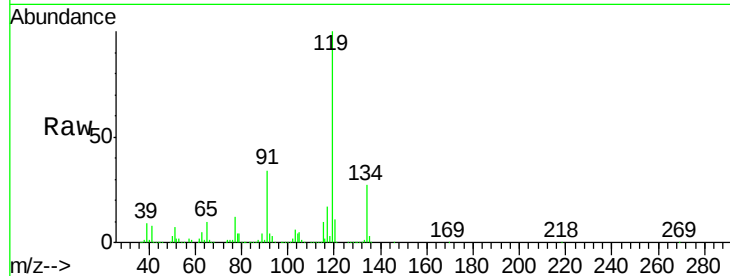
#69
 p-Isopropyltoluene
 Concen: 10.144 ppbv
 RT: 17.72 min Scan# 4643
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.7	31.1
91	33.6	26.6	39.8

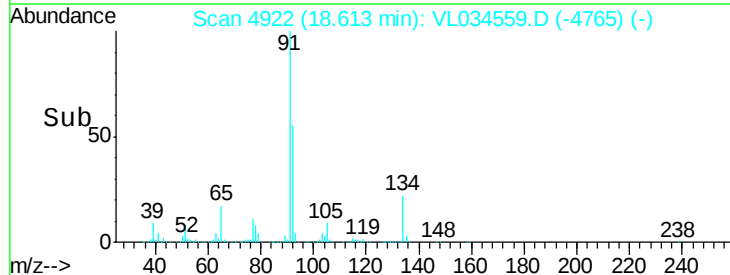
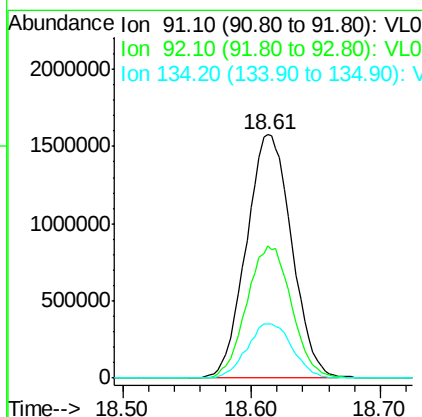
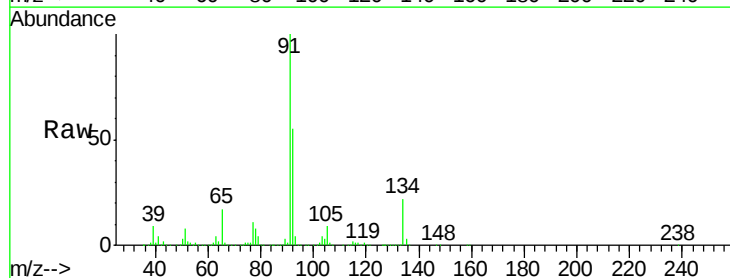
Manual Integrations
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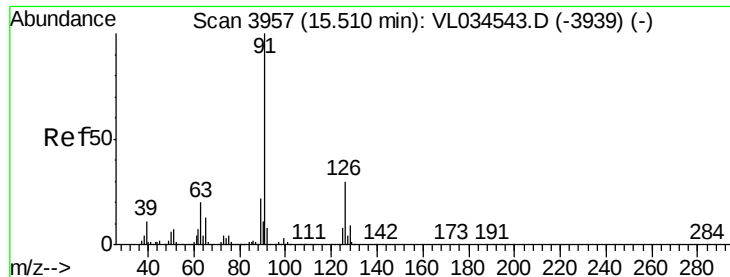
MMDadoda
 1/28/2020 2:02:50 PM



#70
 n-Butylbenzene
 Concen: 9.997 ppbv
 RT: 18.61 min Scan# 4922
 Delta R.T. 0.00 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.8	65.6
134	22.4	18.0	27.0





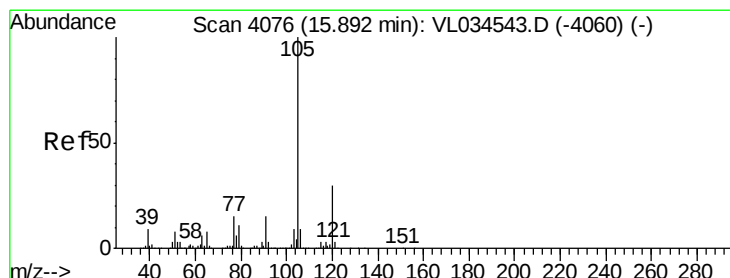
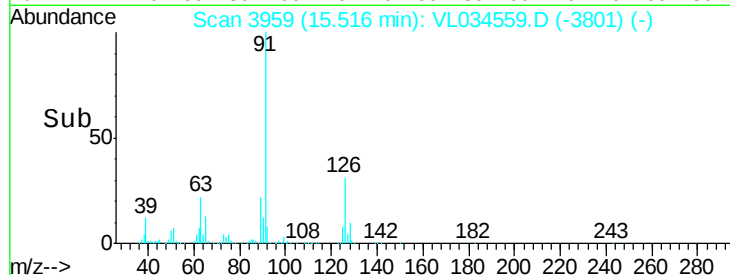
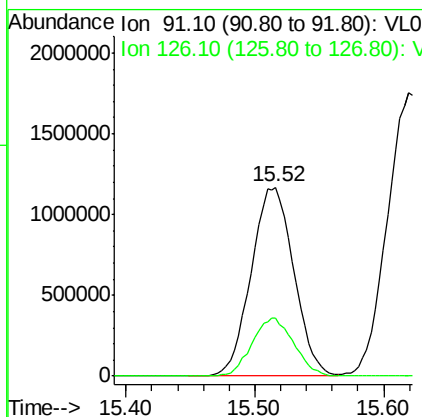
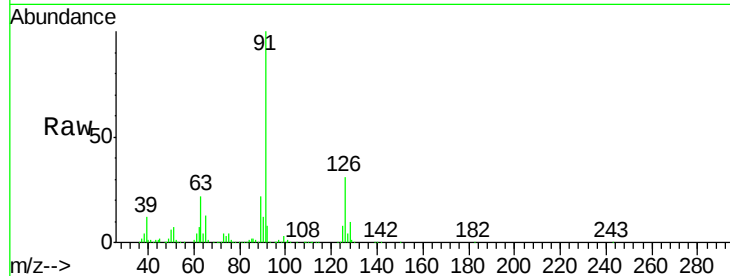
#71
2-Chlorotoluene
Concen: 10.003 ppbv
RT: 15.52 min Scan# 3959
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tot Ion: 91 Resp: 2698549
Ion Ratio Lower Upper
91 100
126 30.3 12.0 47.8

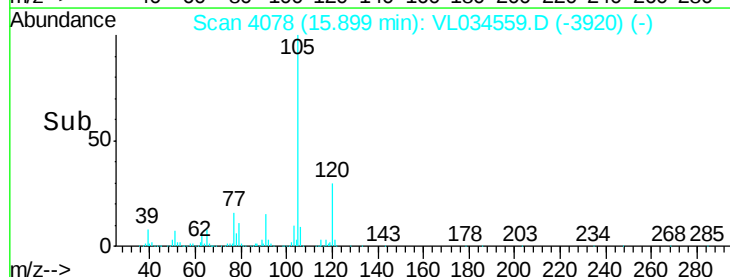
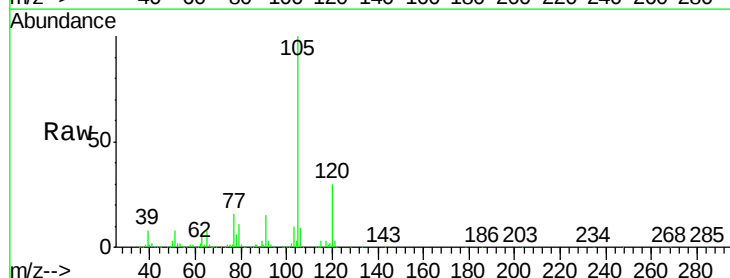
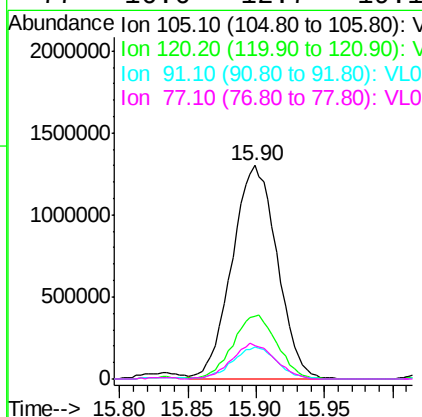
Manual Integrations
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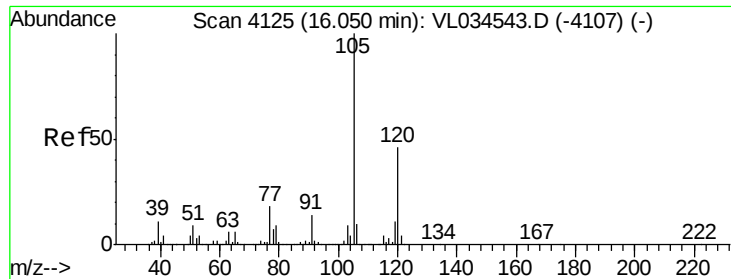
MMDadoda
1/28/2020 2:02:50 PM



#72
4-Ethyltoluene
Concen: 10.019 ppbv
RT: 15.90 min Scan# 4078
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion: 105 Resp: 2977311
Ion Ratio Lower Upper
105 100
120 29.4 23.7 35.5
91 14.6 11.5 17.3
77 16.6 12.7 19.1





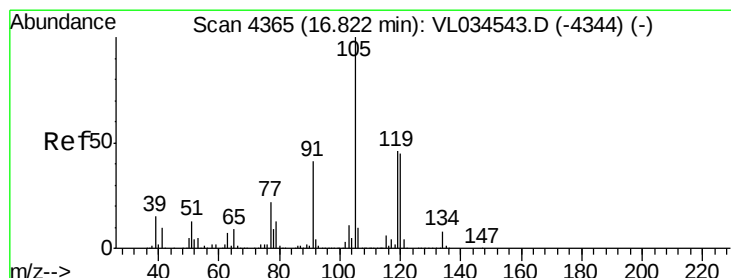
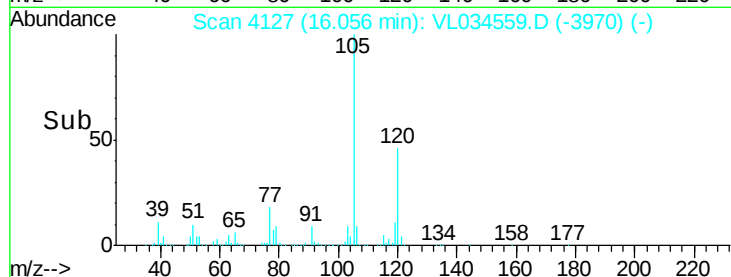
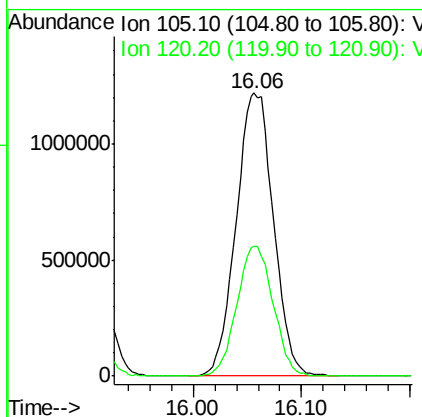
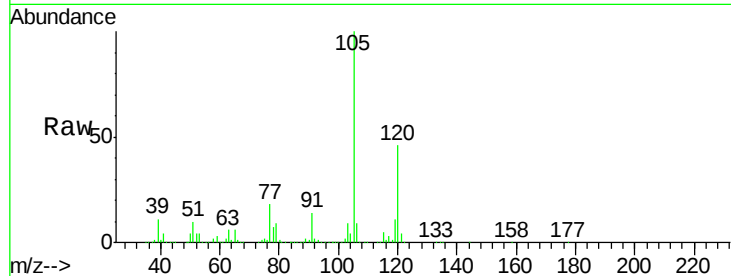
#73
 1,3,5-Trimethylbenzene
 Concen: 9.977 ppbv m
 RT: 16.06 min Scan# 4127
 Delta R.T. 0.00 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Tot Ion:105 Resp: 2908664
 Ion Ratio Lower Upper
 105 100
 120 45.9 34.6 52.0

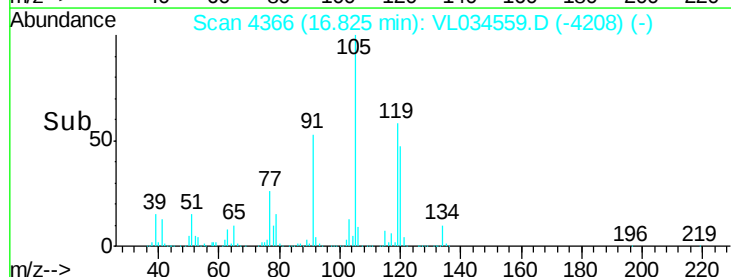
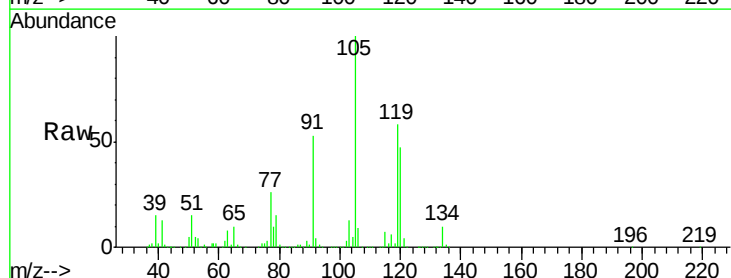
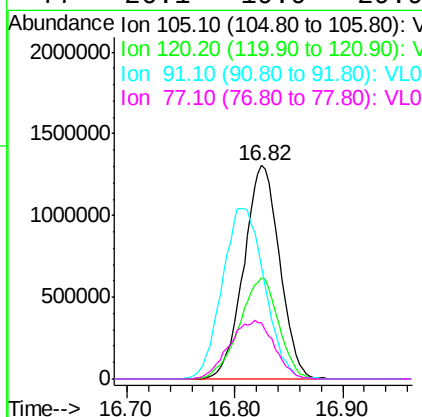
Manual Integrations
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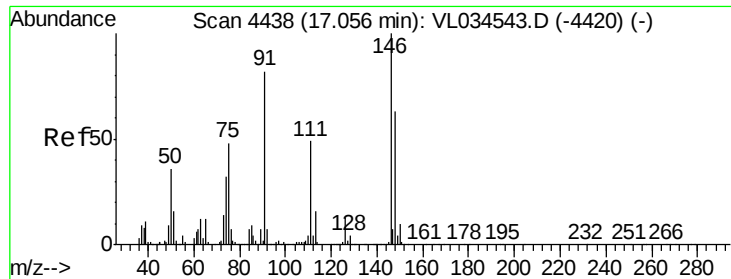
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.659 ppbv
 RT: 16.82 min Scan# 4366
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion:105 Resp: 3012656
 Ion Ratio Lower Upper
 105 100
 120 47.4 36.7 55.1
 91 52.5 44.0 66.0
 77 26.1 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 9.098 ppbv

RT: 17.06 min Scan# 4440

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion:146 Resp: 1699490

Ion Ratio Lower Upper

146 100

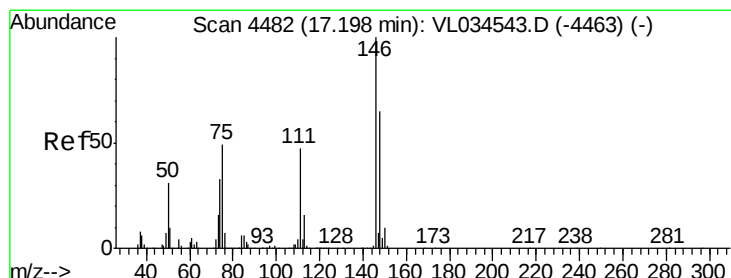
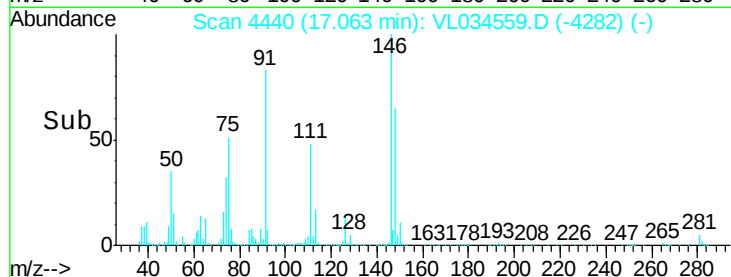
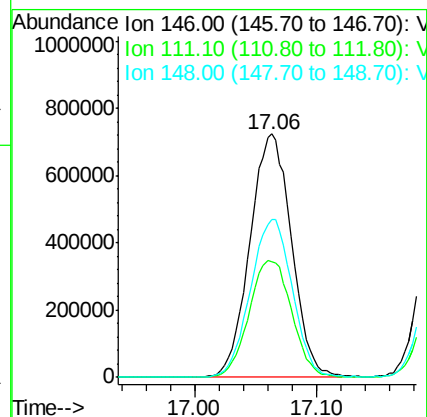
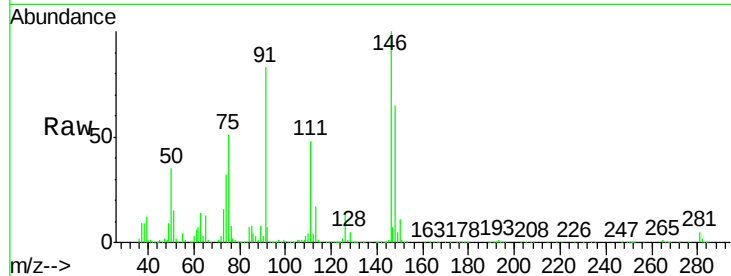
111 49.4 25.1 75.3

148 65.5 33.0 99.0

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.301 ppbv

RT: 17.21 min Scan# 4485

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

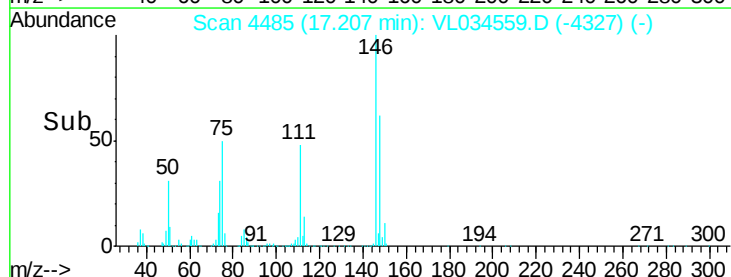
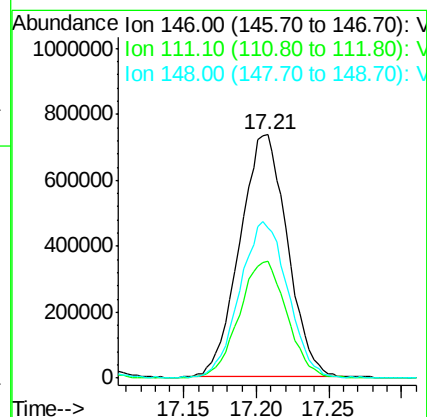
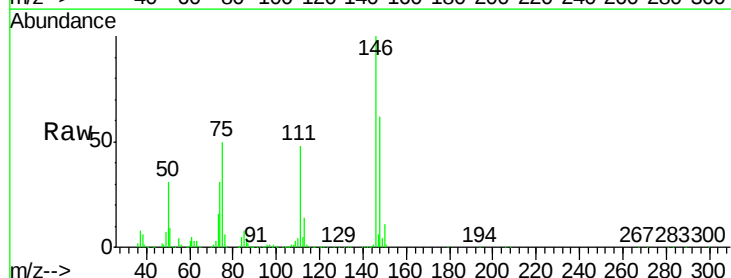
Tgt Ion:146 Resp: 1672770

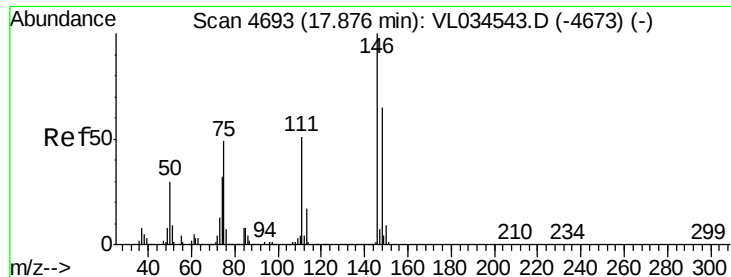
Ion Ratio Lower Upper

146 100

111 48.5 23.5 70.6

148 65.7 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 9.418 ppbv

RT: 17.89 min Scan# 4696

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VL0127ABS01

Tot Ion:146 Resp: 1653422

Ion Ratio Lower Upper

146 100

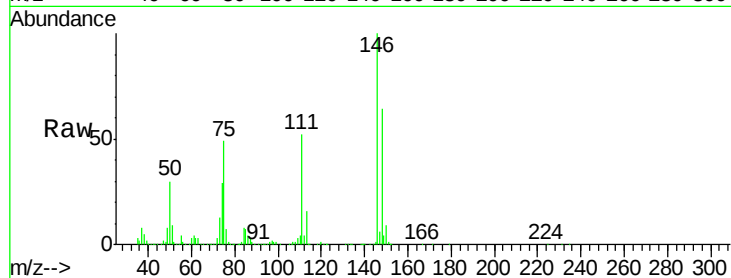
111 51.3 25.3 75.8

148 65.7 32.1 96.3

Manual Integrations
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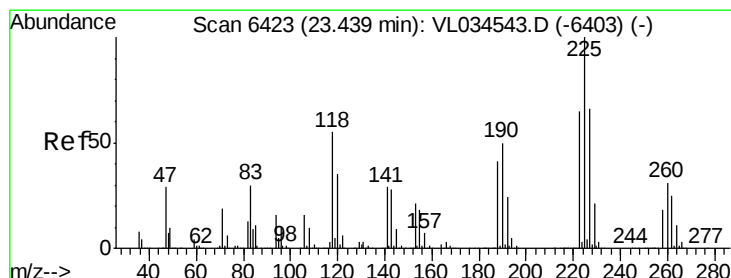
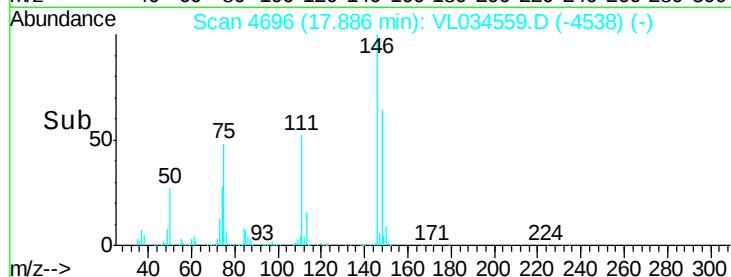
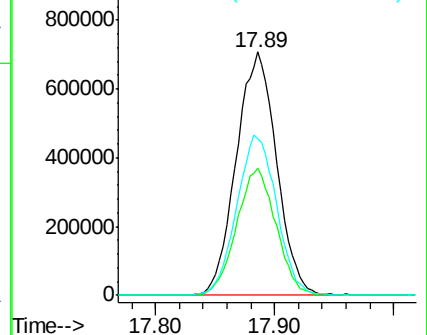
1/28/2020 2:02:50 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.182 ppbv

RT: 23.45 min Scan# 6426

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

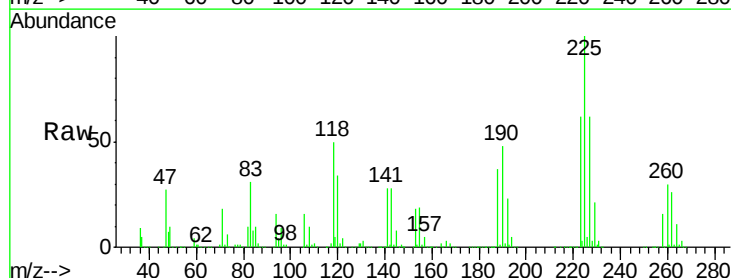
Tgt Ion:225 Resp: 1363491

Ion Ratio Lower Upper

225 100

223 63.9 51.0 76.6

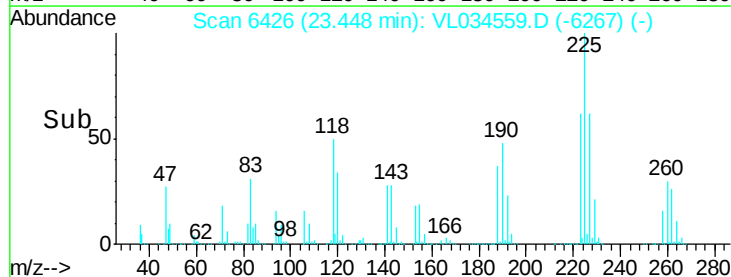
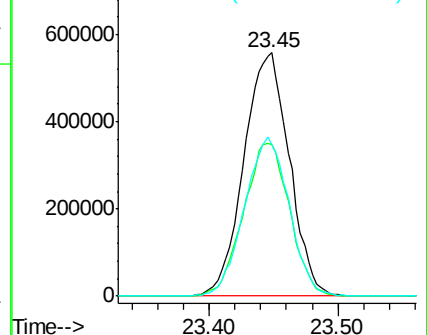
227 64.6 51.8 77.6

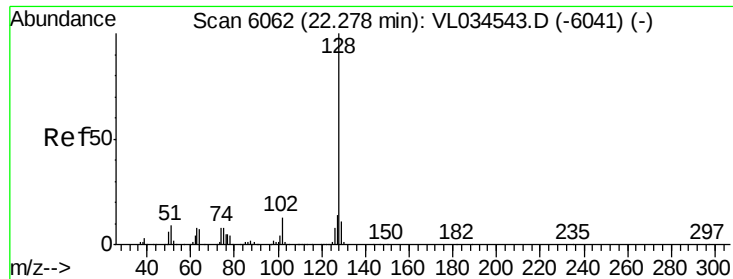


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





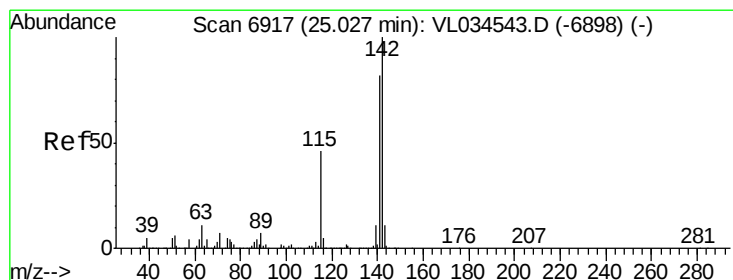
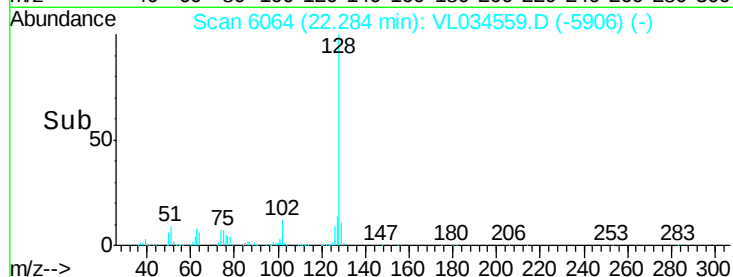
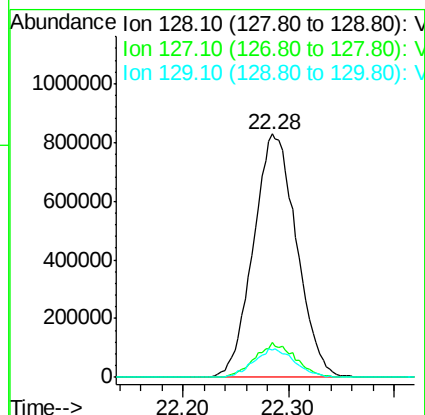
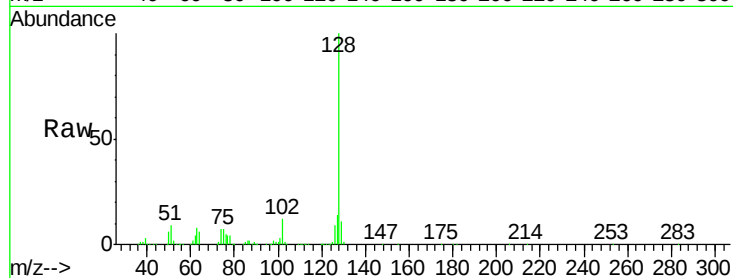
#79
Naphthalene
Concen: 10.036 ppbv
RT: 22.28 min Scan# 6064
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampleId :
VL0127ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.6	15.8
129	11.4	8.7	13.1

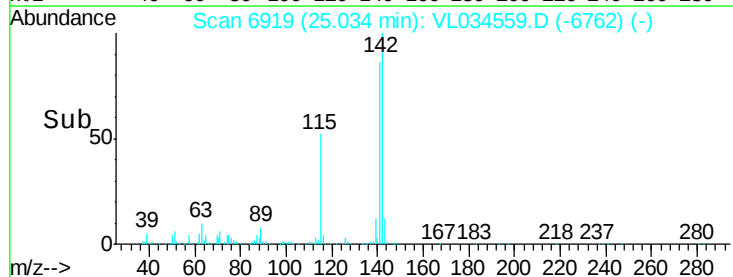
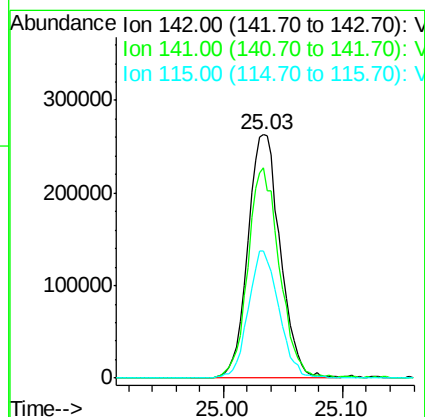
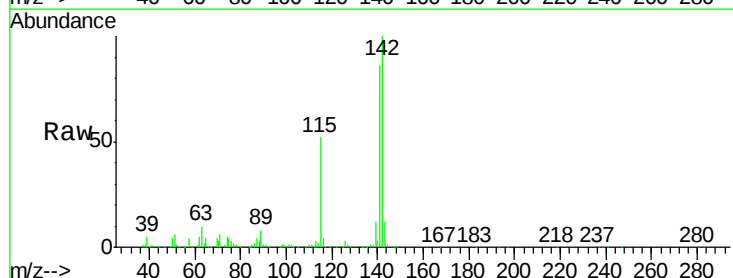
Manual Integrations
APPROVED

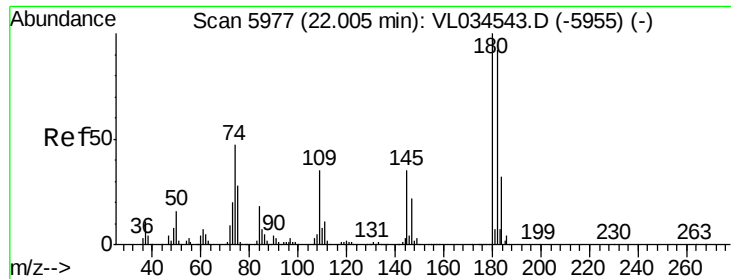
MMDadoda
1/28/2020 2:02:50 PM



#80
Naphthalene, 2-methyl-
Concen: 7.597 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. 0.00 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.8	65.8	98.8
115	50.0	30.4	45.6





#81
 1,2,4-Trichlorobenzene
 Concen: 9.036 ppbv
 RT: 22.01 min Scan# 5980
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.8	116.8
184	31.2	25.2	37.8

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 2:02:50 PM

