

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070518\
 Data File : VL032210.D
 Acq On : 5 Jul 2018 19:25
 Operator : SY/AP
 Sample : J3867-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 5391

Manual Integrations
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 7/9/2018 10:47:34 AM

Quant Time: Jul 06 17:01:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 2
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1427769	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3670745	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3651011	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.67	95	2761792	9.90	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	34195	0.18	ppbv	99
3) Chlorodifluoromethane	3.07	51	140501	0.81	ppbv	96
4) Chloromethane	3.23	50	62229	0.67	ppbv #	85
9) Propene	3.09	41	102758	1.26	ppbv	88
10) Heptane	8.33	43	162884	0.69	ppbv	97
11) Trichlorofluoromethane	4.07	101	59745	0.29	ppbv	87
13) Ethanol	3.71	45	1798432	72.96	ppbv	100
15) Acetone	3.96	43	2137746m	12.80	ppbv	
19) Isopropyl Alcohol	4.10	45	1992344	14.36	ppbv #	42
20) Methylene Chloride	4.48	84	272483	4.47	ppbv	97
26) Hexane	5.86	57	2202441	13.85	ppbv #	48
27) Carbon Disulfide	4.69	76	44450	0.28	ppbv #	79
29) Chloroform	5.93	83	23759m	0.10	ppbv	
30) Cyclohexane	7.34	84	71299	0.48	ppbv	95
34) 2-Butanone	5.41	43	428619	1.84	ppbv	99
35) Carbon Tetrachloride	7.23	117	18287m	0.07	ppbv	
36) Benzene	7.09	78	191675	0.54	ppbv	98
38) Trichloroethene	8.05	130	79137	0.57	ppbv #	84
44) 2,2,4-Trimethylpentane	8.08	57	295896	0.48	ppbv #	80
53) Toluene	10.04	91	528969	1.23	ppbv	97
58) Ethyl Benzene	12.95	91	198626	0.34	ppbv	89
59) m/p-Xylene	13.21	91	563975	1.20	ppbv	94
60) o-Xylene	13.94	91	238930	0.51	ppbv	95
74) 1,2,4-Trimethylbenzene	17.02	105	129222m	0.22	ppbv	

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

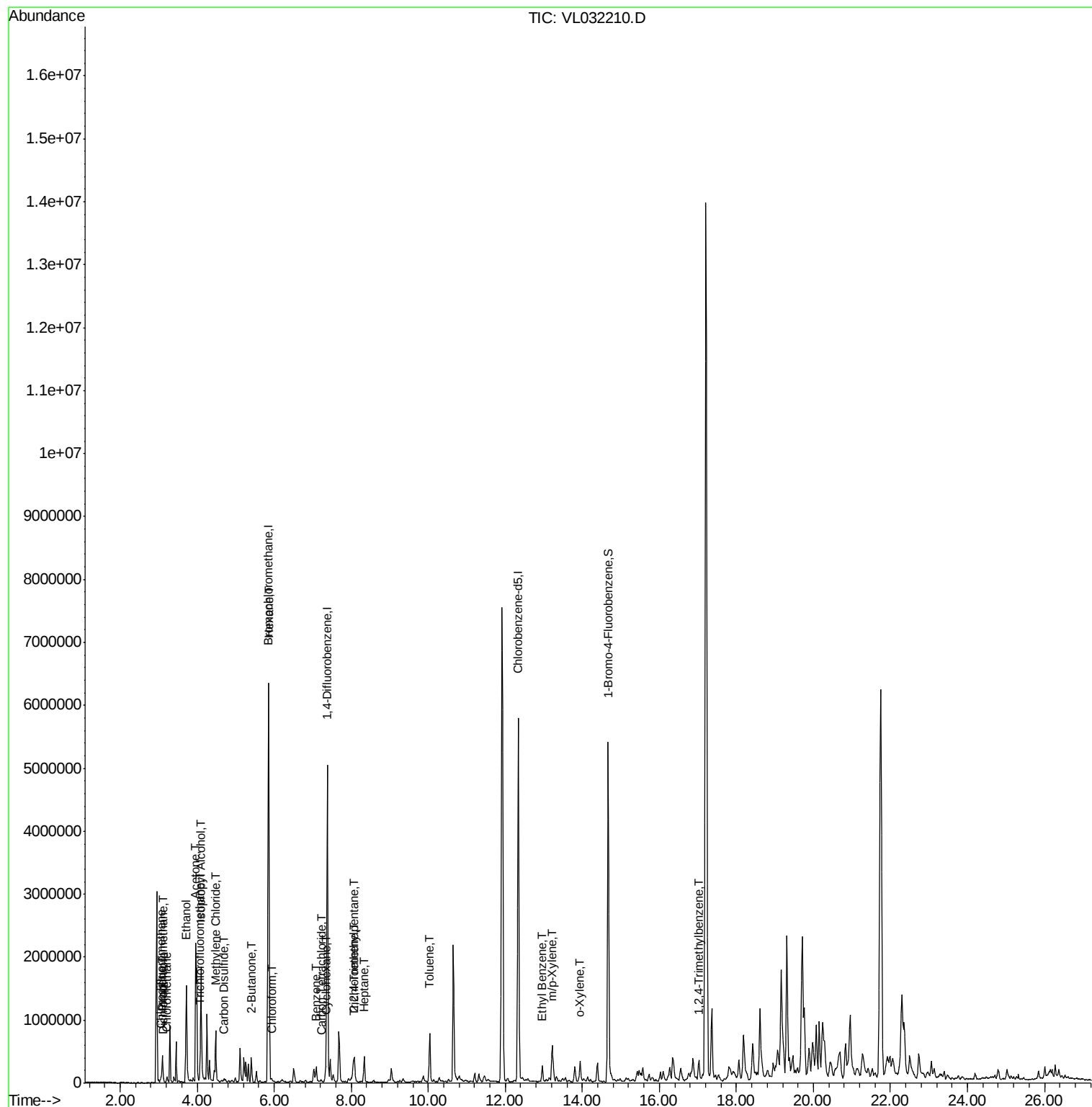
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070518\
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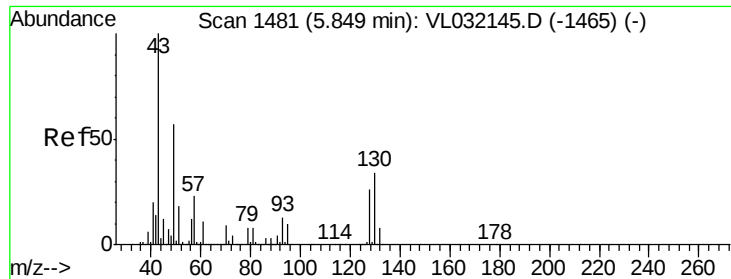
Instrument :
MSVOA_L
ClientSampleId :
539I

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7/9/2018 10:47:34 AM

Quant Time: Jul 06 17:01:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1479

Delta R.T. -0.02 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampled :

539I

Tot Ion: 49 Resp: 1427769

Ion Ratio Lower Upper

49 100

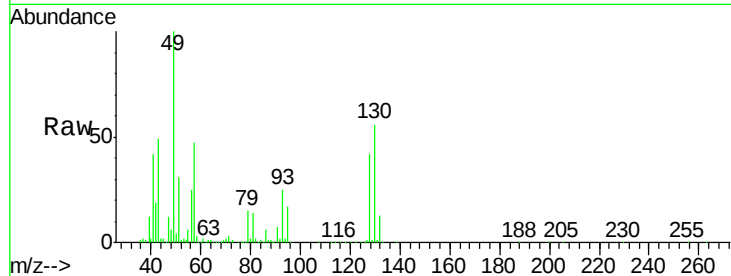
128 43.8 23.4 70.0

130 54.4 30.3 90.9

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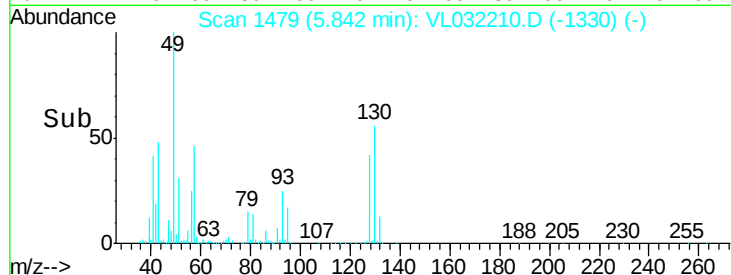


Abundance Ion 49.10 (48.80 to 49.80): VL0

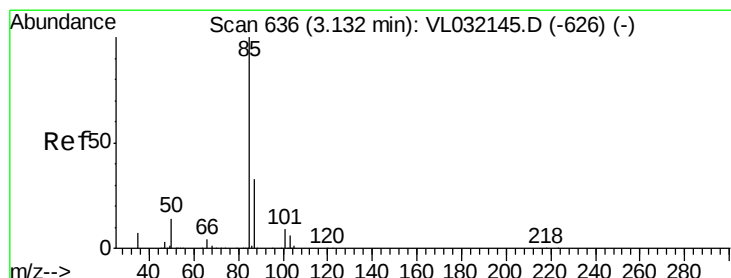
Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 0.18 ppbv

RT: 3.13 min Scan# 636

Delta R.T. -0.01 min

Lab File: VL032210.D

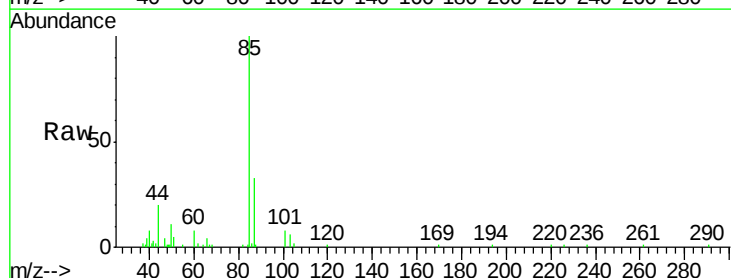
Acq: 5 Jul 2018 19:25

Tgt Ion: 85 Resp: 34195

Ion Ratio Lower Upper

85 100

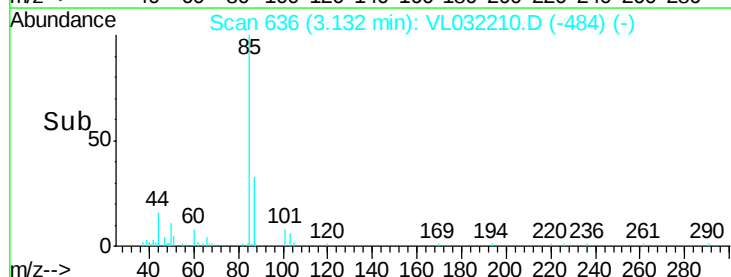
87 32.9 26.7 40.1



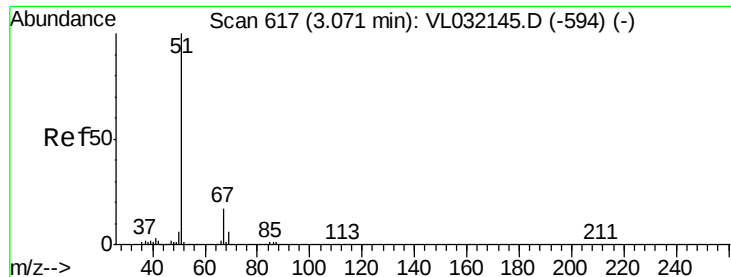
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 0.81 ppbv

RT: 3.07 min Scan# 616

Delta R.T. -0.01 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

539I

Tot Ion: 51 Resp: 140501

Ion Ratio Lower Upper

51 100

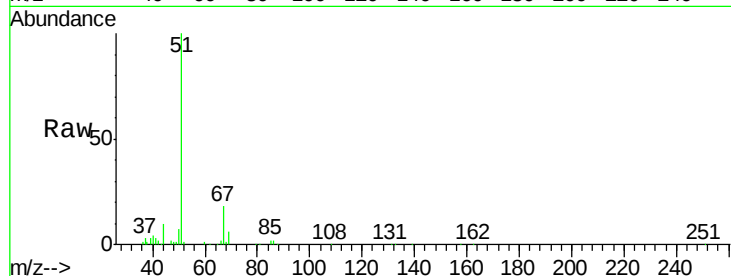
67 15.0 13.2 19.8

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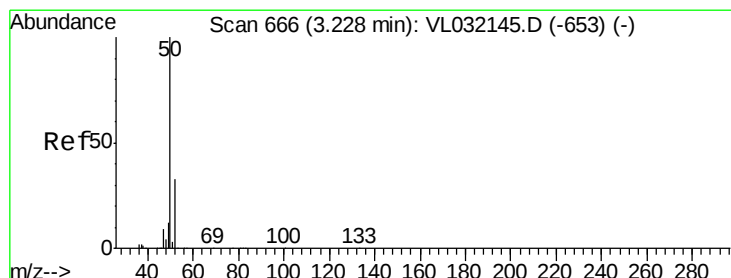
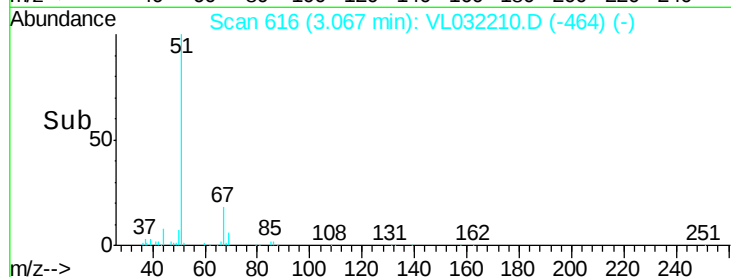
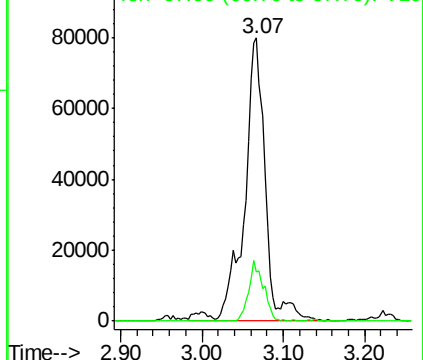
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.67 ppbv

RT: 3.23 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL032210.D

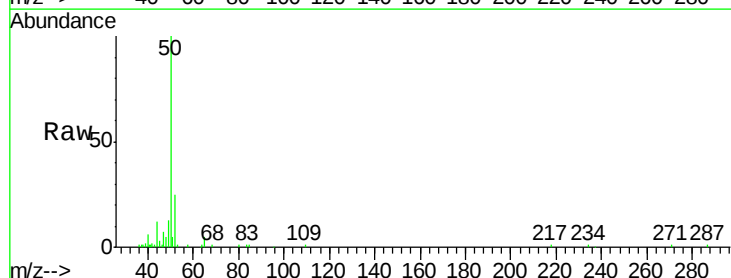
Acq: 5 Jul 2018 19:25

Tgt Ion: 50 Resp: 62229

Ion Ratio Lower Upper

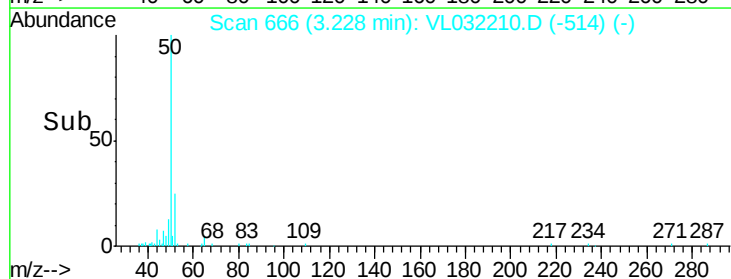
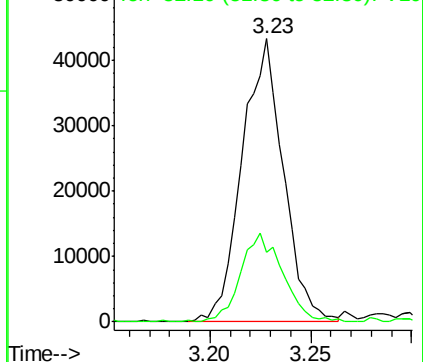
50 100

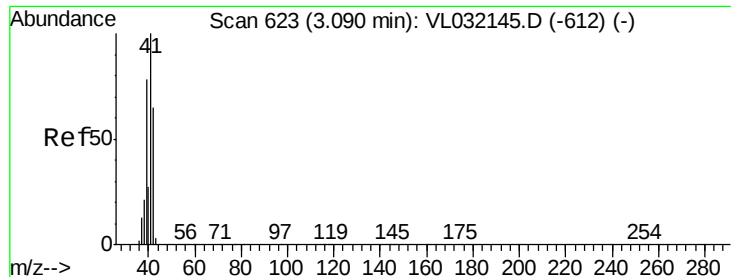
52 24.2 26.0 39.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.26 ppbv

RT: 3.09 min Scan# 624

Delta R.T. -0.01 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

539I

Tot Ion: 41 Resp: 102758

Ion Ratio Lower Upper

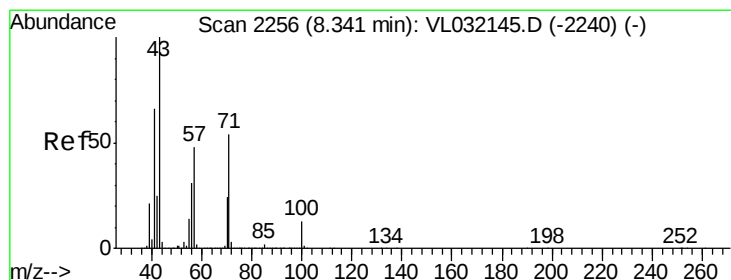
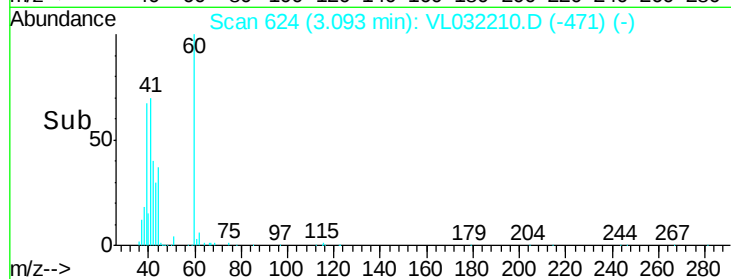
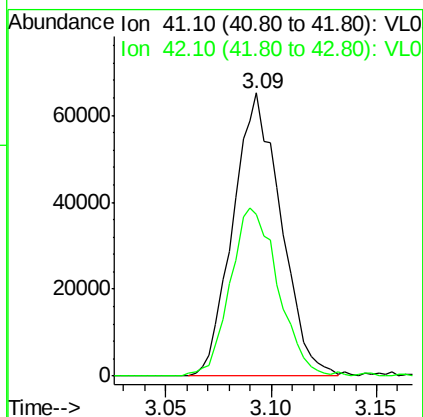
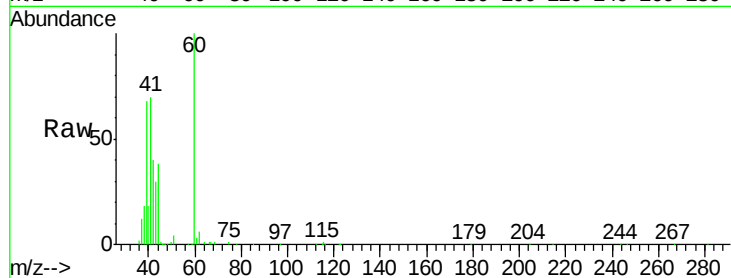
41 100

42 60.3 56.2 84.4

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#10

Heptane

Concen: 0.69 ppbv

RT: 8.33 min Scan# 2254

Delta R.T. -0.02 min

Lab File: VL032210.D

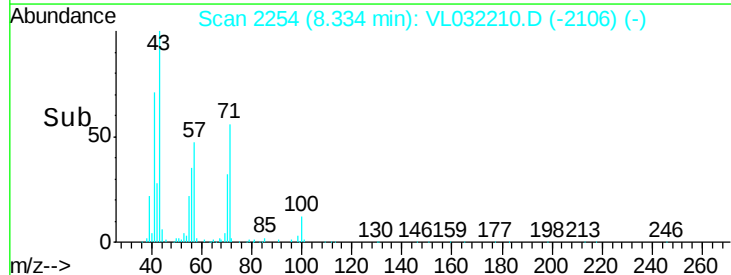
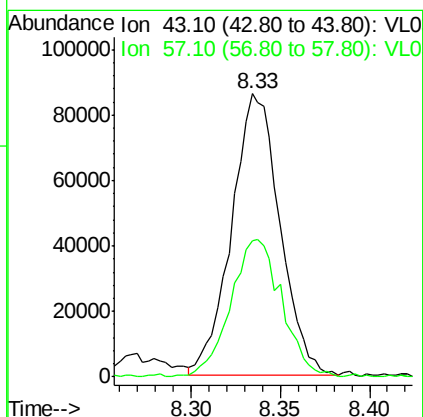
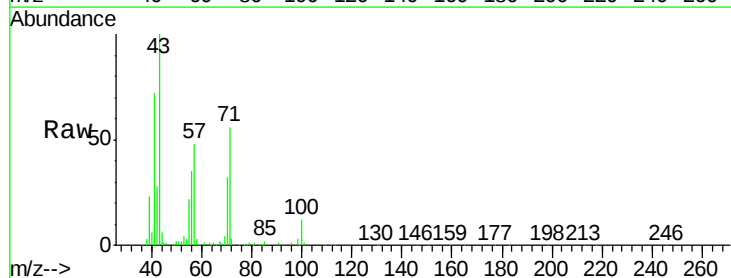
Acq: 5 Jul 2018 19:25

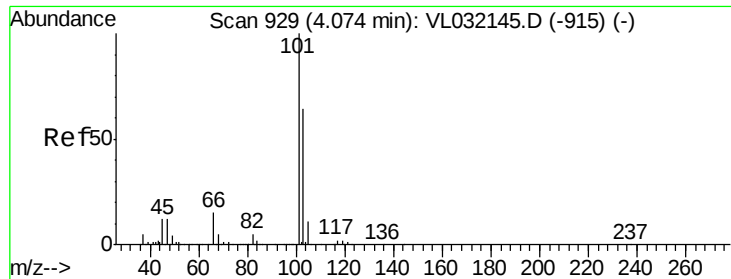
Tgt Ion: 43 Resp: 162884

Ion Ratio Lower Upper

43 100

57 52.0 39.8 59.8





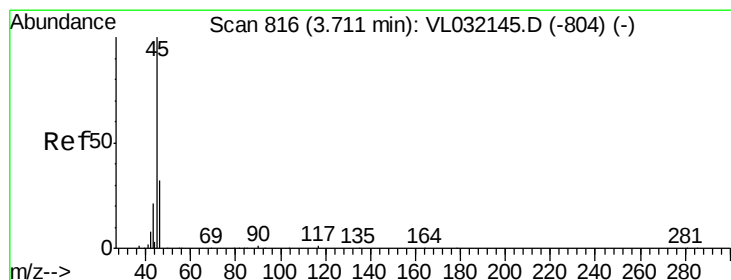
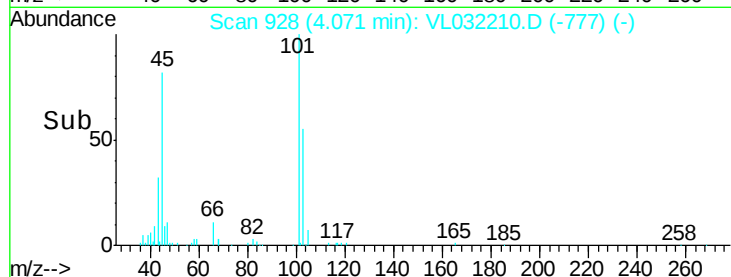
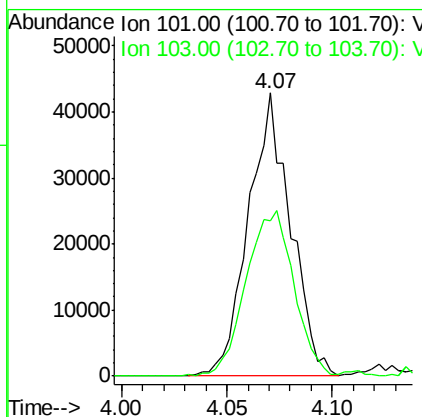
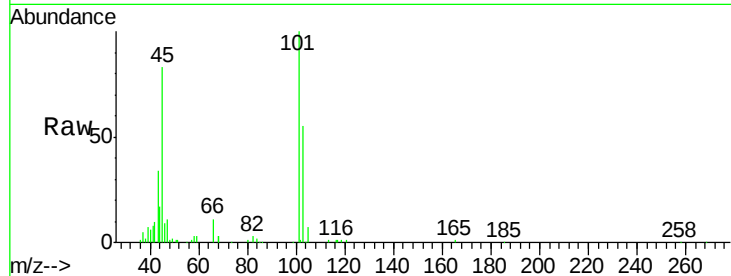
#11
Trichlorofluoromethane
Concen: 0.29 ppbv
RT: 4.07 min Scan# 928
Delta R.T. -0.01 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
539I

Tot Ion	Ratio	Lower	Upper
101	100		
103	54.3	51.4	77.0

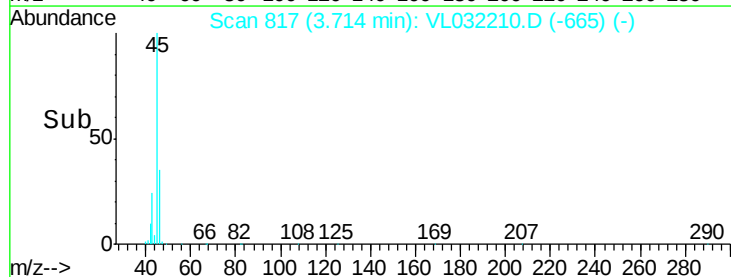
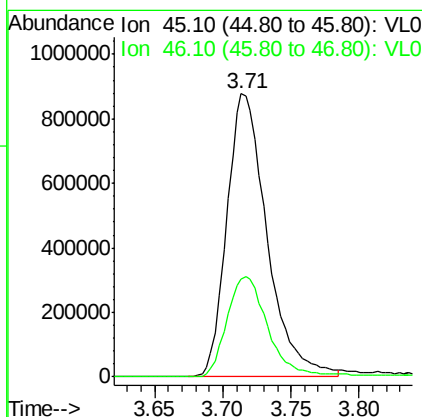
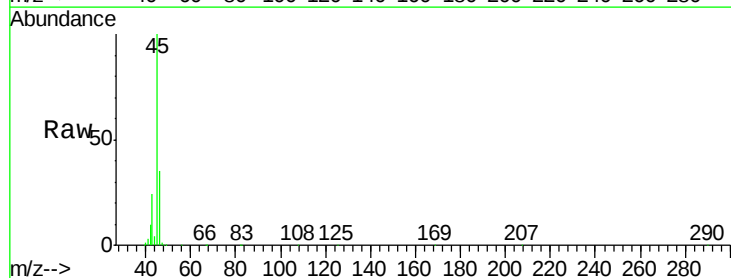
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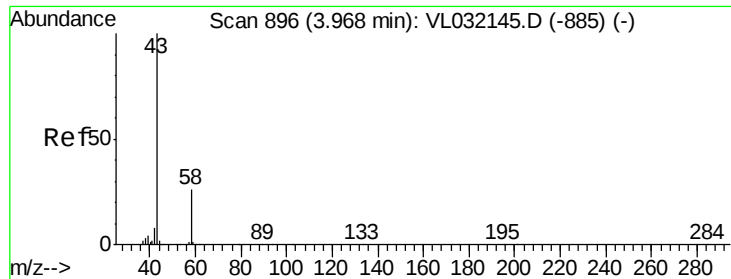
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#13
Ethanol
Concen: 72.96 ppbv
RT: 3.71 min Scan# 817
Delta R.T. -0.01 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.6	58.4





#15

Acetone

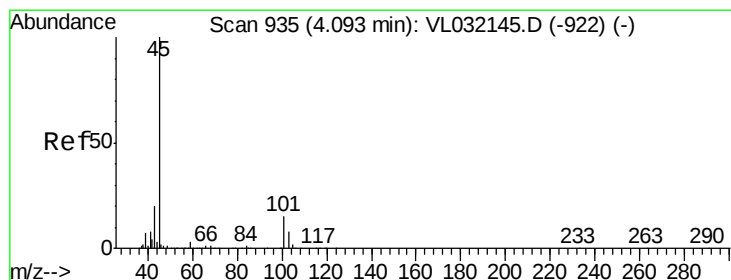
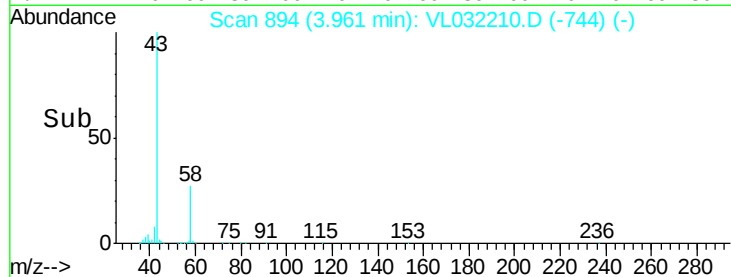
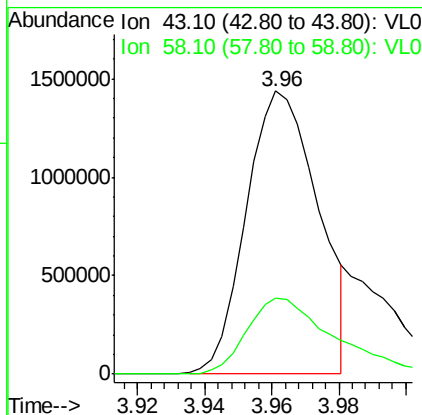
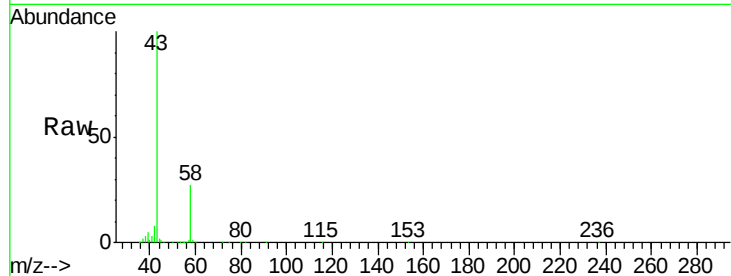
Concen: 12.80 ppbv m
RT: 3.96 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
539I

Tot Ion: 43 Resp: 2137746
Ion Ratio Lower Upper
43 100
58 33.1 21.4 32.0#

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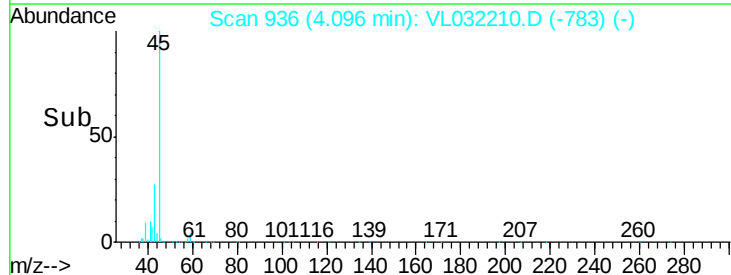
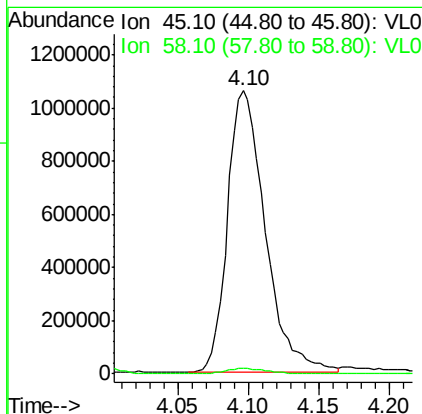
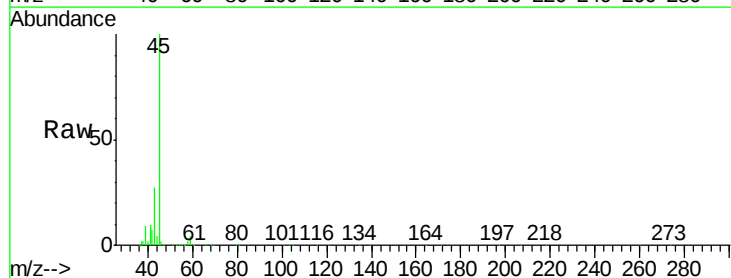


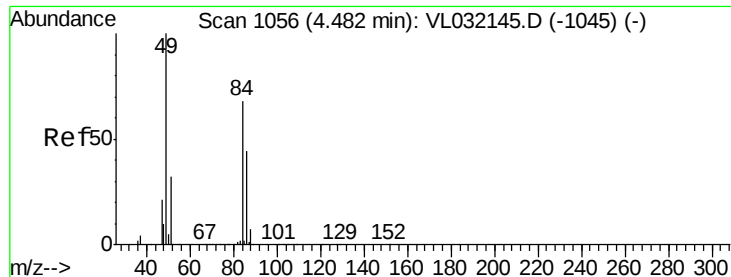
#19

Isopropyl Alcohol

Concen: 14.36 ppbv
RT: 4.10 min Scan# 936
Delta R.T. -0.01 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Tgt Ion: 45 Resp: 1992344
Ion Ratio Lower Upper
45 100
58 2.1 29.4 44.0#





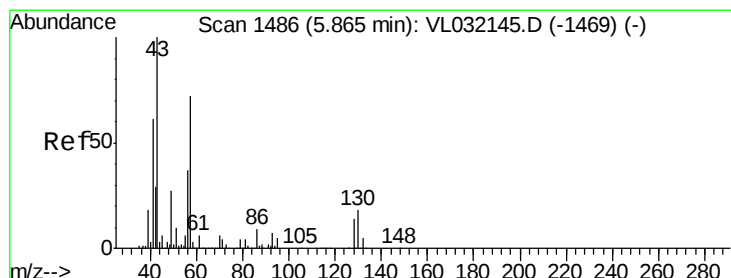
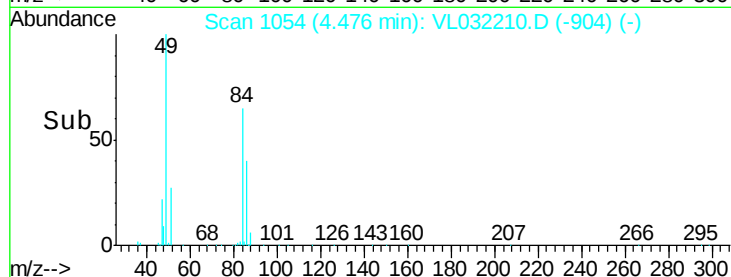
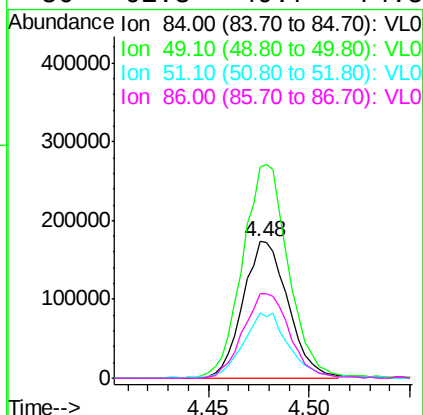
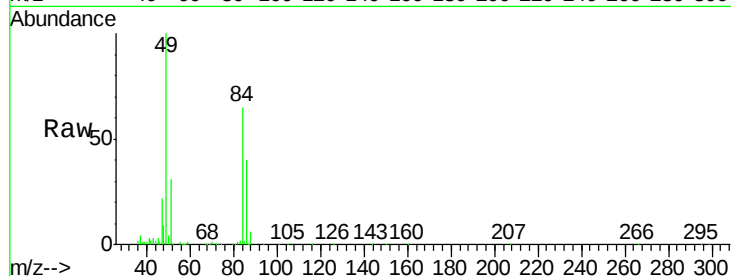
#20
Methvlene Chloride
Concen: 4.47 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. -0.02 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampled :
539I

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	153.6	119.6	179.4	
51	46.9	36.3	54.5	
86	61.3	49.7	74.5	

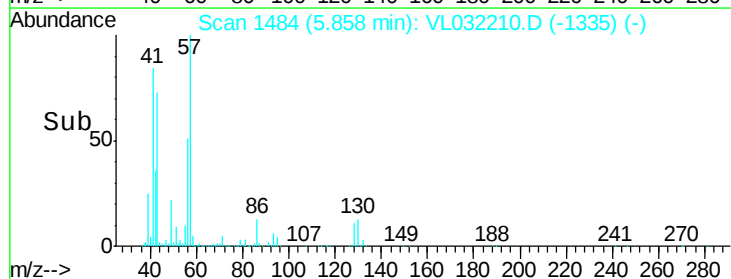
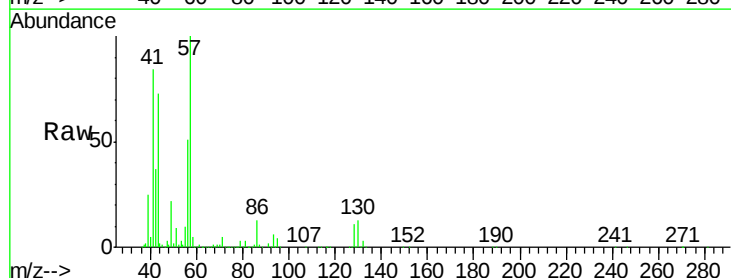
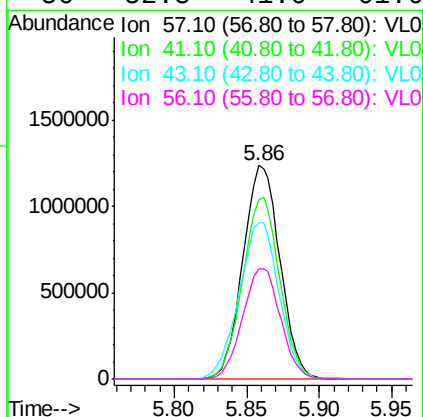
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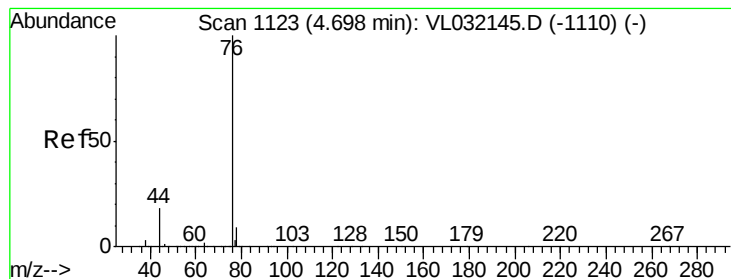
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#26
Hexane
Concen: 13.85 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.02 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	85.0	68.6	103.0	
43	78.9	168.6	252.8#	
56	52.8	41.0	61.6	





#27

Carbon Disulfide

Concen: 0.28 ppbv

RT: 4.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

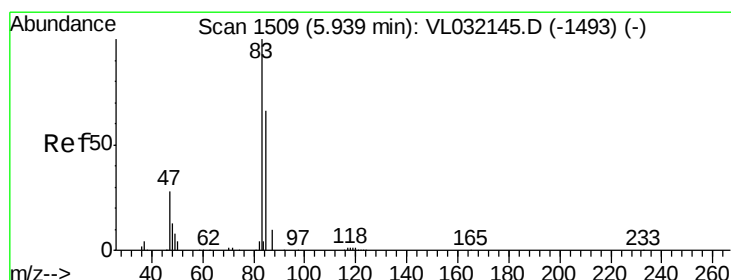
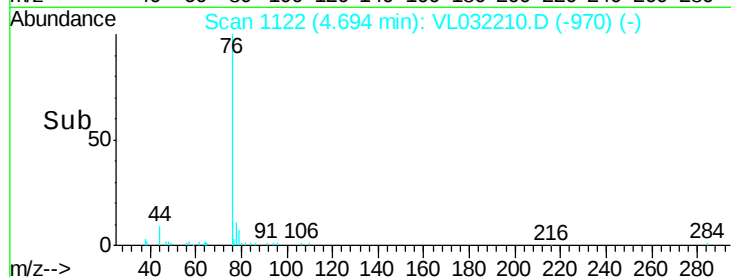
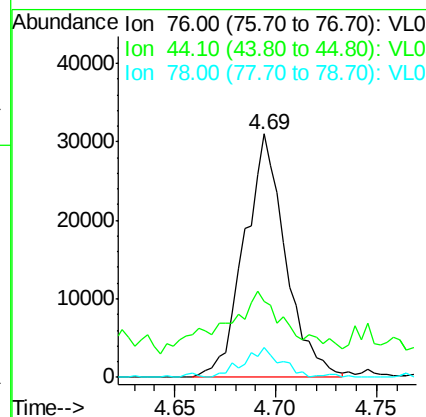
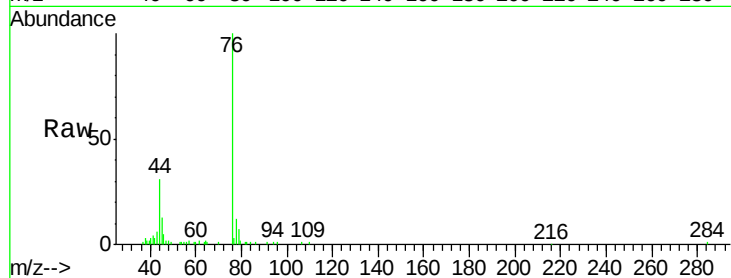
ClientSampleId :

539I

Tot Ion:	76	Resp:	44450
Ion	Ratio	Lower	Upper
76	100		
44	31.2	15.1	22.7#
78	12.1	7.2	10.8#

Manual Integrations
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#29

Chloroform

Concen: 0.10 ppbv m

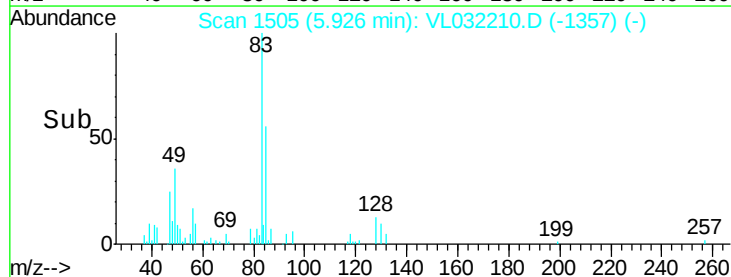
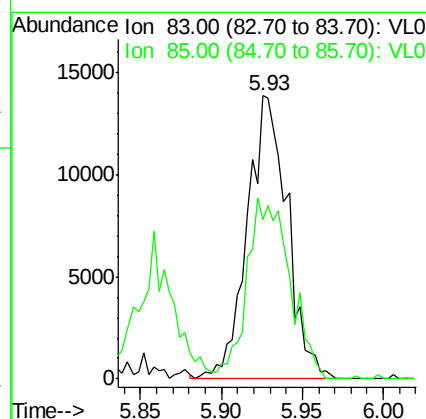
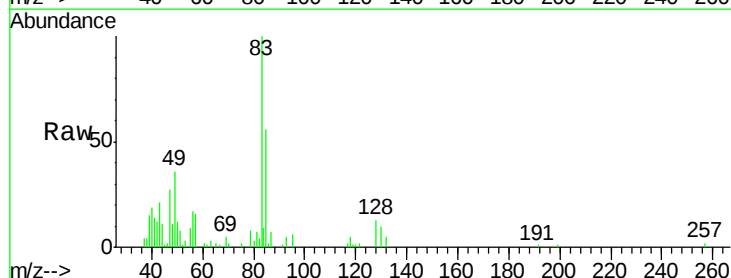
RT: 5.93 min Scan# 1505

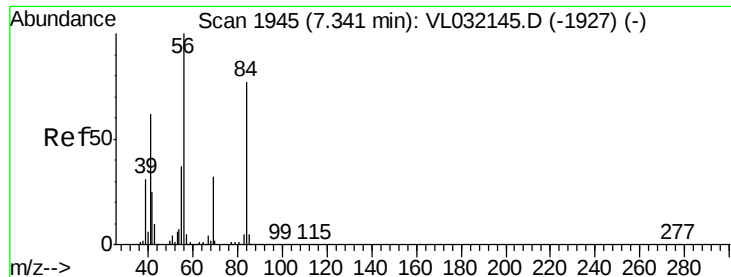
Delta R.T. -0.02 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Tgt Ion:	83	Resp:	23759
Ion	Ratio	Lower	Upper
83	100		
85	56.2	51.6	77.4





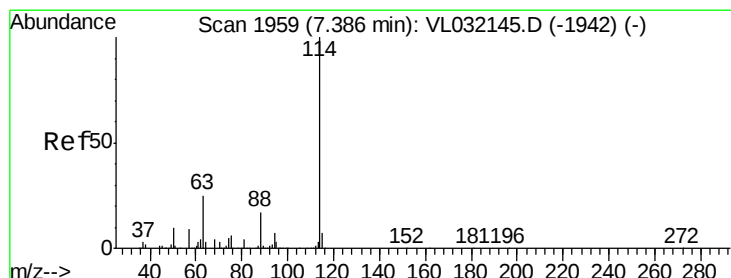
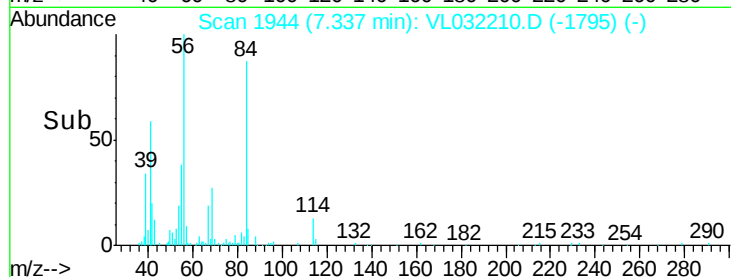
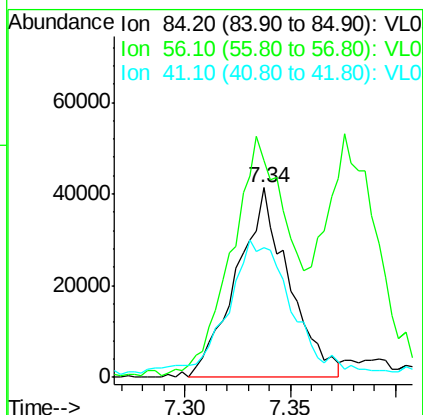
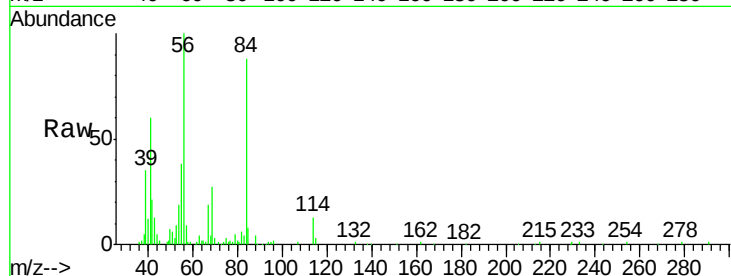
#30
Cvclohexane
Concen: 0.48 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. -0.02 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampled :
539I

Tot Ion	Ratio	Lower	Upper
84	100		
56	132.3	109.1	163.7
41	87.0	64.6	96.8

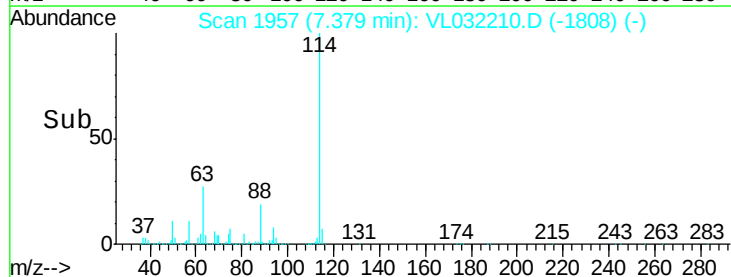
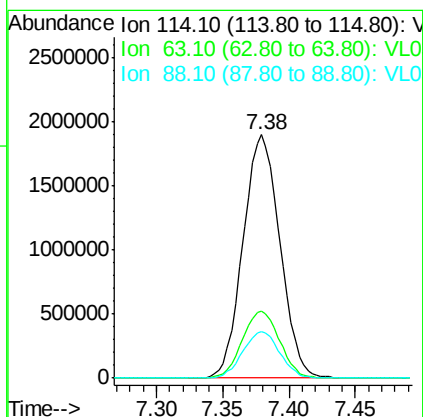
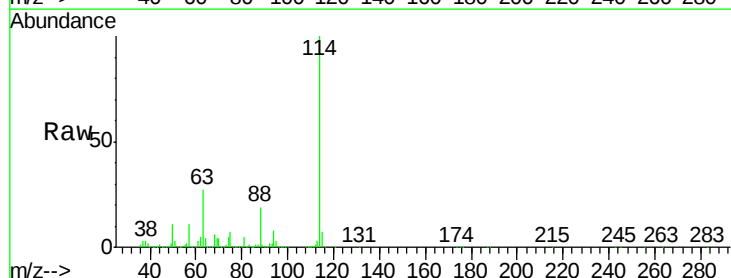
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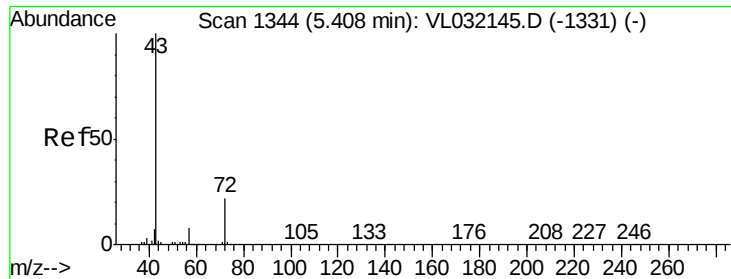
MMDadoda
7/9/2018 10:47:34 AM



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.38 min Scan# 1957
Delta R.T. -0.02 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.9	19.1	28.7
88	19.3	13.9	20.9





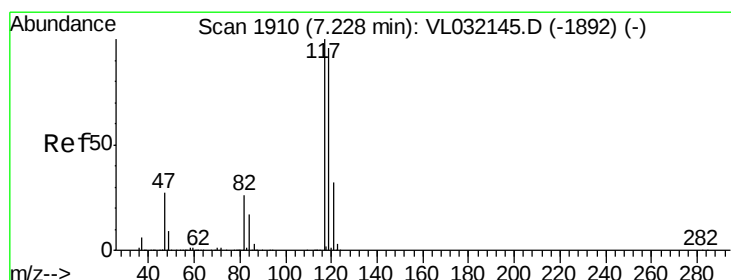
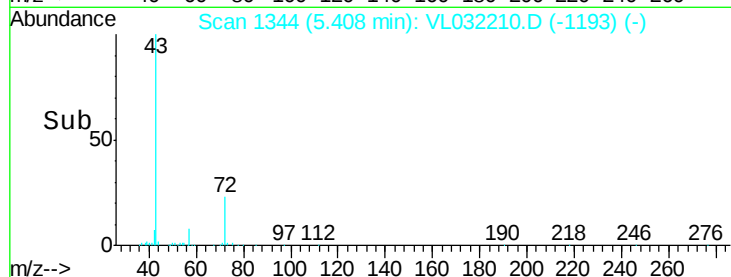
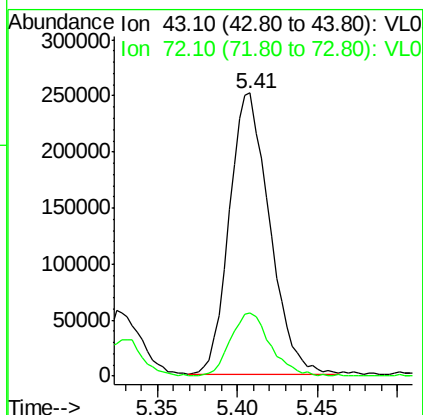
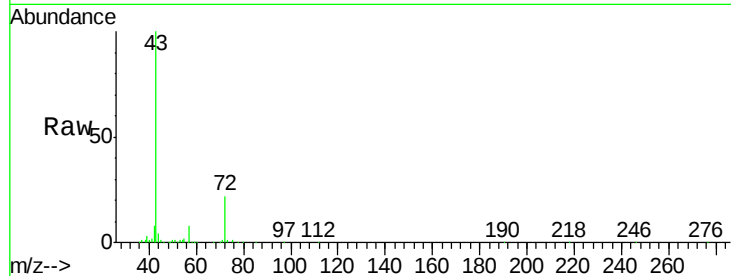
#34
2-Butanone
Concen: 1.84 ppbv
RT: 5.41 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
539I

Tot Ion	43	Resp	428619
Ion Ratio	100	Lower	Upper
72	22.8	18.4	27.6

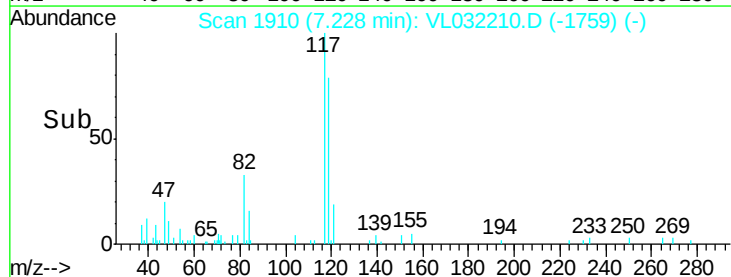
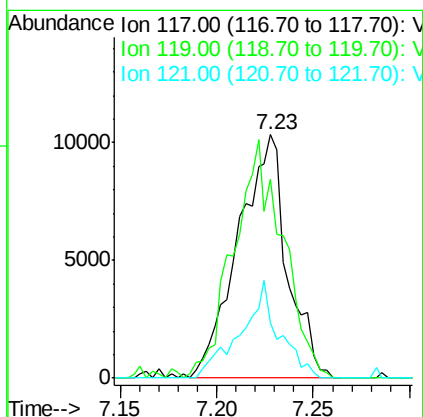
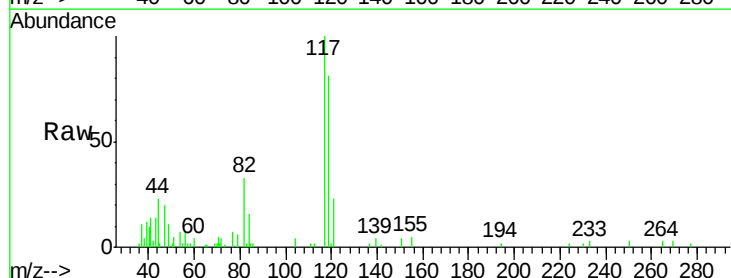
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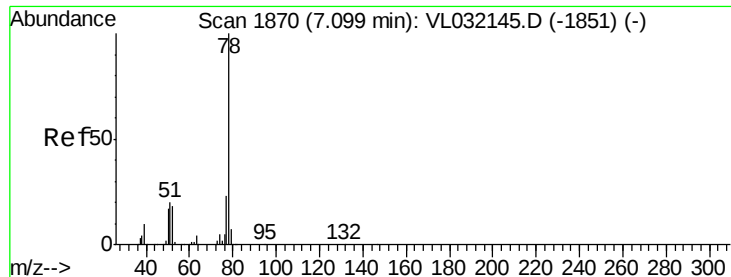
MMDadoda
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#35
Carbon Tetrachloride
Concen: 0.07 ppbv m
RT: 7.23 min Scan# 1910
Delta R.T. -0.01 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Tgt Ion	117	Resp	18287
Ion Ratio	100	Lower	Upper
119	81.4	74.8	112.2
121	22.9	24.0	36.0#





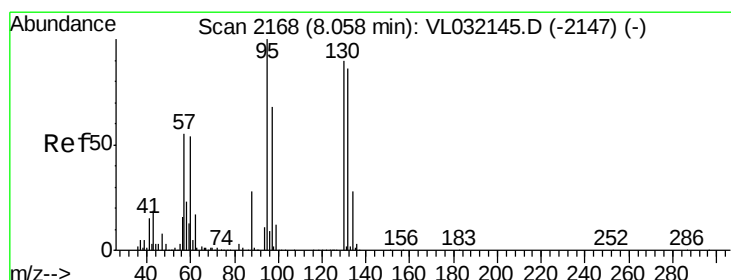
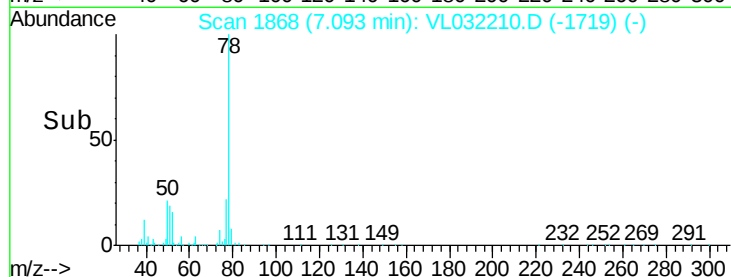
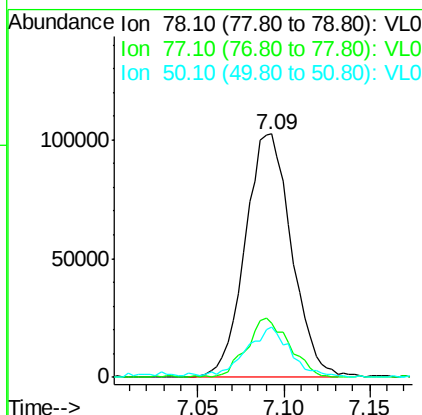
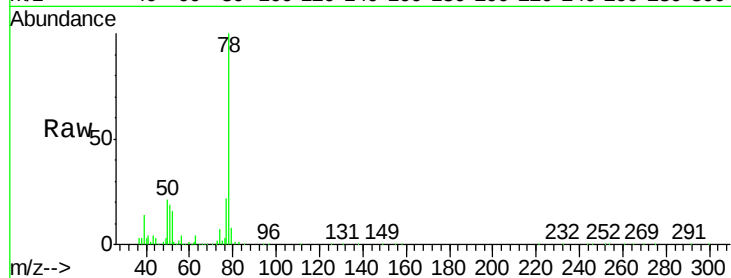
#36
Benzene
Concen: 0.54 ppbv
RT: 7.09 min Scan# 1868
Delta R.T. -0.02 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
539I

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.1	17.7	26.5
50	19.6	14.0	21.0

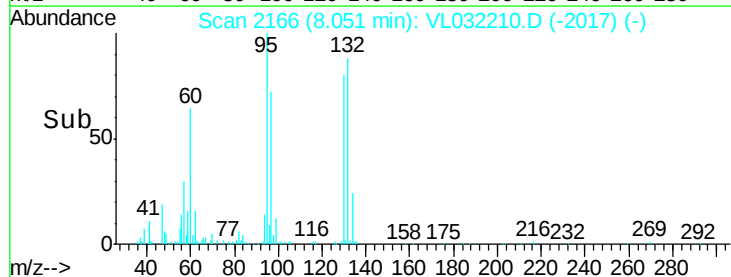
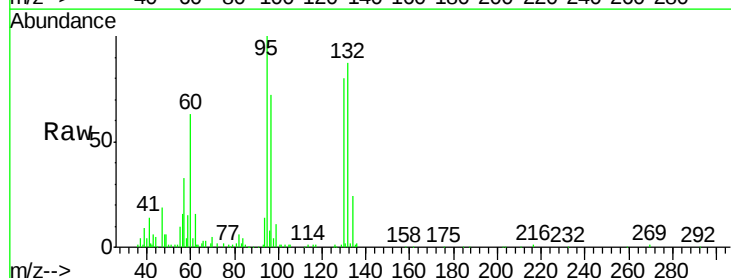
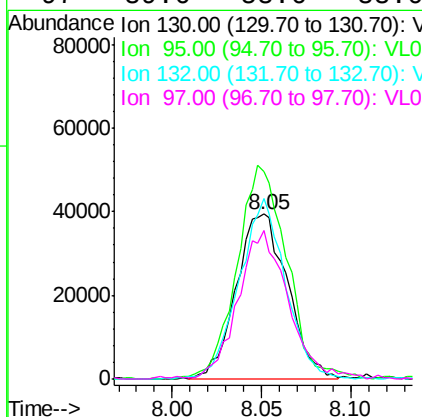
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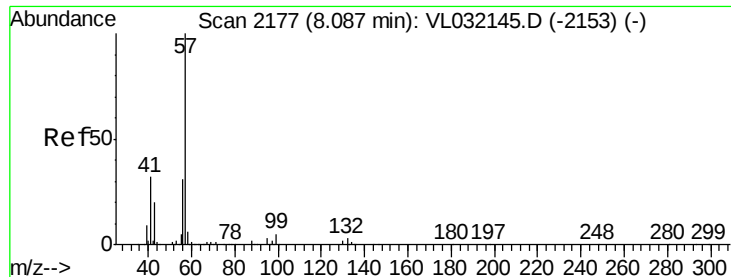
MMDadoda
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#38
Trichloroethene
Concen: 0.57 ppbv
RT: 8.05 min Scan# 2166
Delta R.T. -0.02 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	123.9	88.1	132.1
132	110.1	74.6	112.0
97	89.6	58.6	88.0#





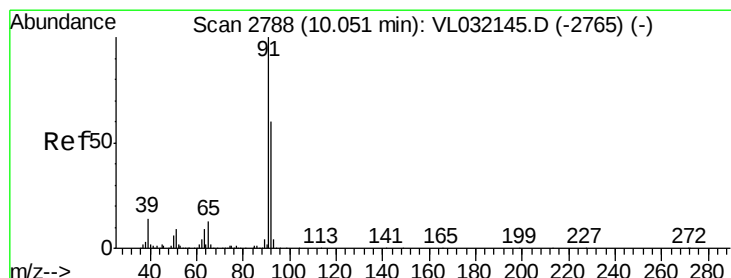
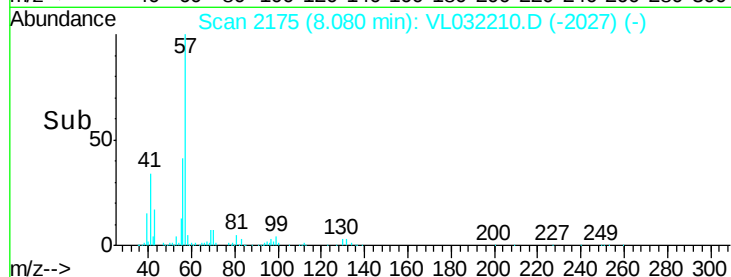
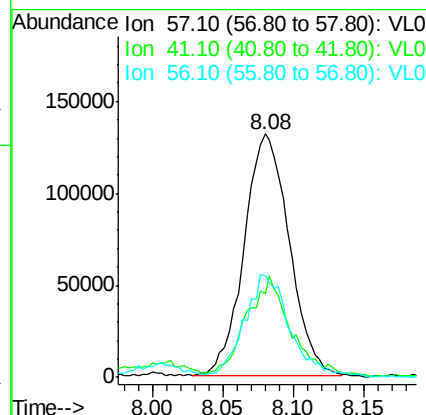
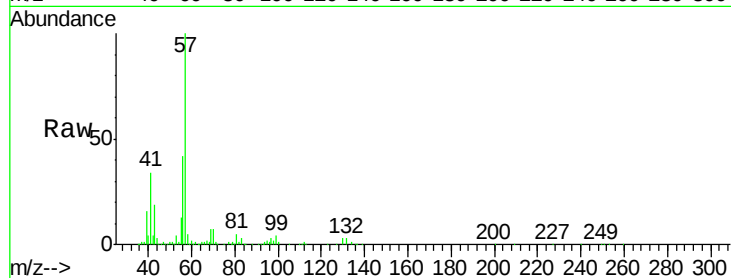
#44
 2,2,4-Trimethylpentane
 Concen: 0.48 ppbv
 RT: 8.08 min Scan# 2175
 Delta R.T. -0.02 min
 Lab File: VL032210.D
 Acq: 5 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 539I

Tot Ion	Ratio	Lower	Upper
57	100		
41	40.5	24.3	36.5#
56	42.9	25.1	37.7#

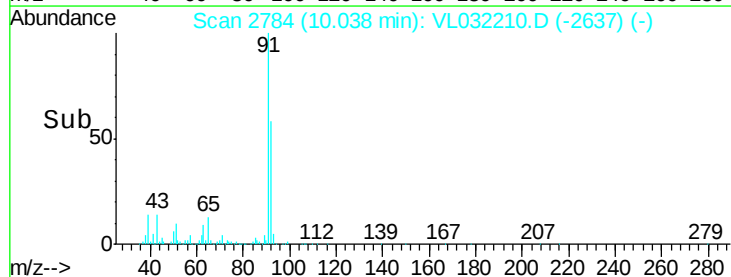
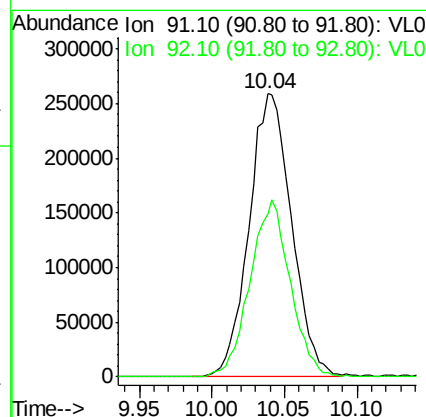
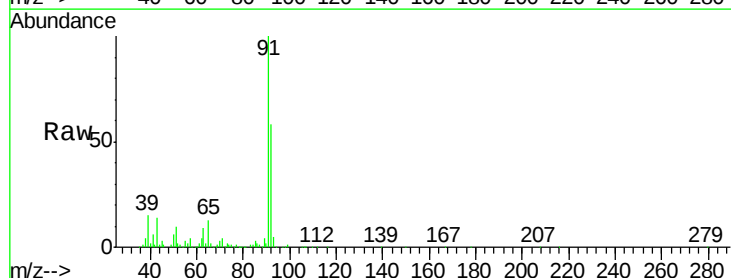
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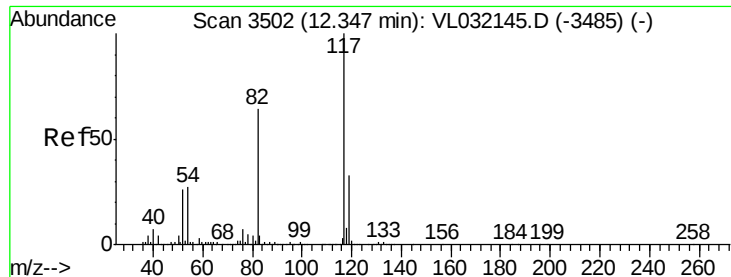
MMDadoda
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#53
 Toluene
 Concen: 1.23 ppbv
 RT: 10.04 min Scan# 2784
 Delta R.T. -0.03 min
 Lab File: VL032210.D
 Acq: 5 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.1	49.2	73.8





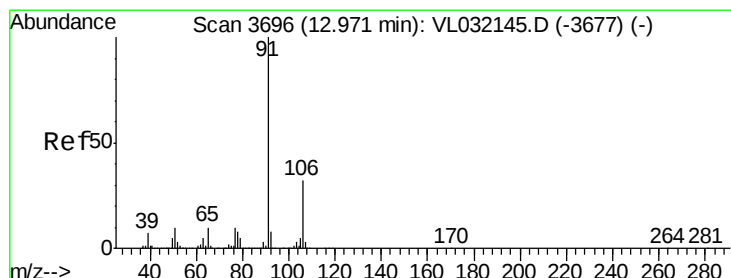
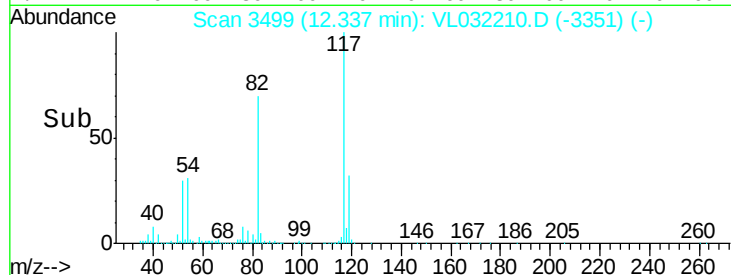
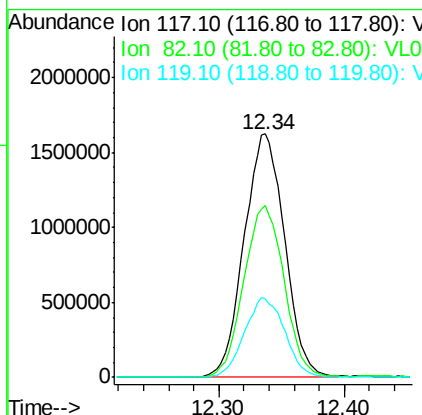
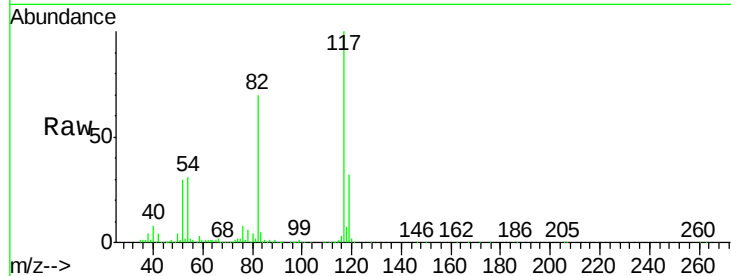
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. -0.02 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
539I

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.2	47.8	71.8
119	32.6	43.3	64.9#

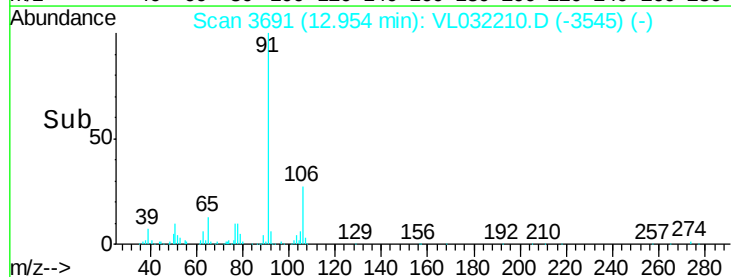
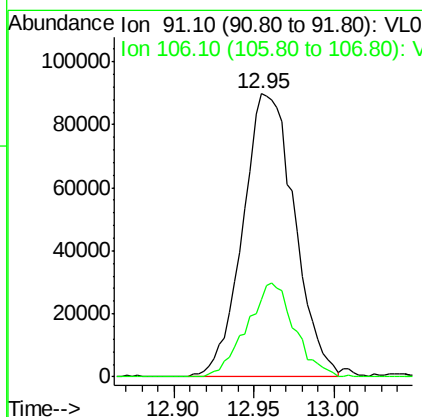
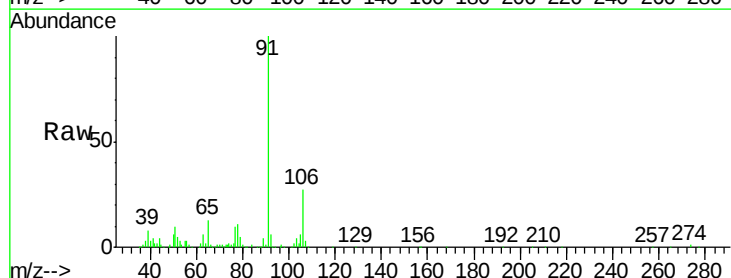
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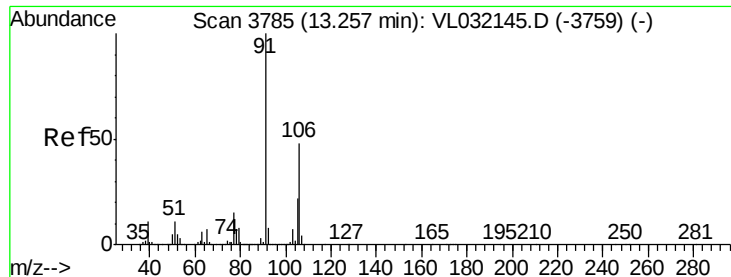
MMDadoda
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#58
Ethyl Benzene
Concen: 0.34 ppbv
RT: 12.95 min Scan# 3691
Delta R.T. -0.03 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.1	26.5	39.7





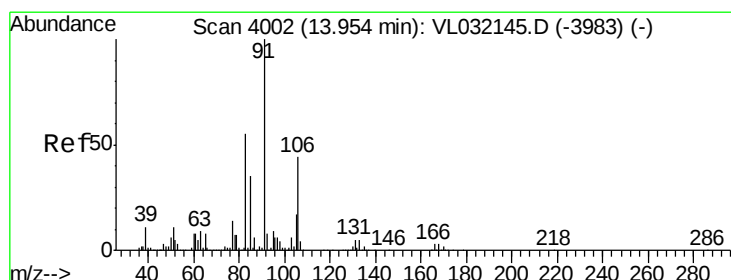
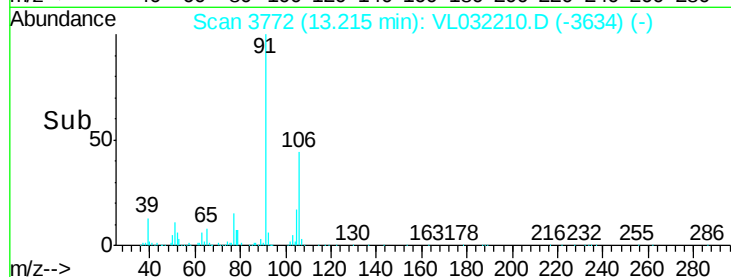
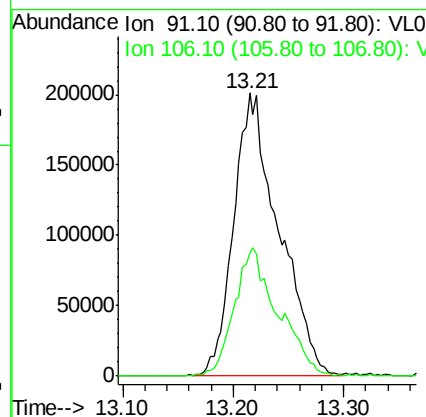
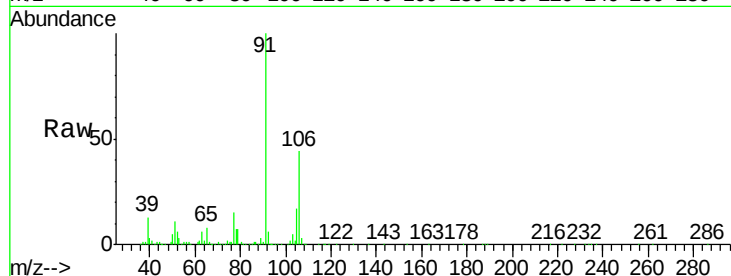
#59
m/p-Xylene
Concen: 1.20 ppbv
RT: 13.21 min Scan# 3772
Delta R.T. -0.05 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampled :
539I

Tot Ion: 91 Resp: 563975
Ion Ratio Lower Upper
91 100
106 44.6 38.6 58.0

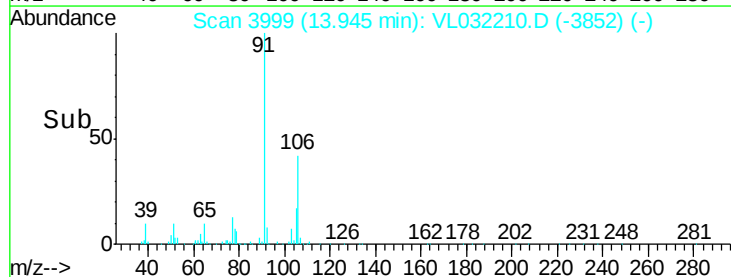
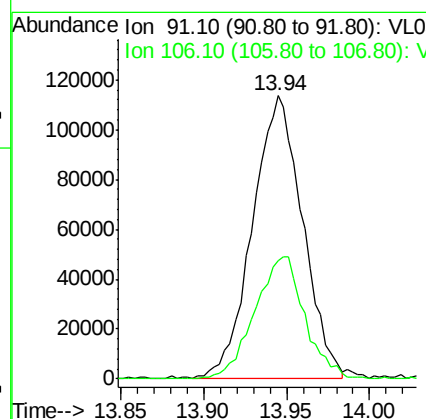
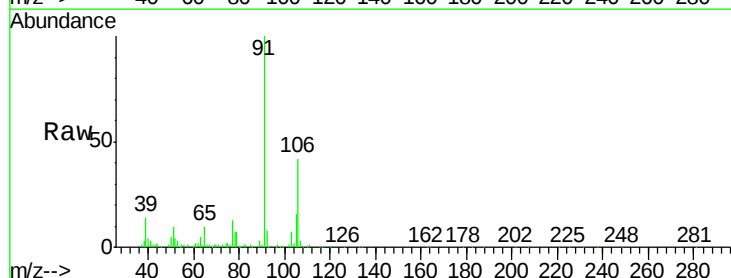
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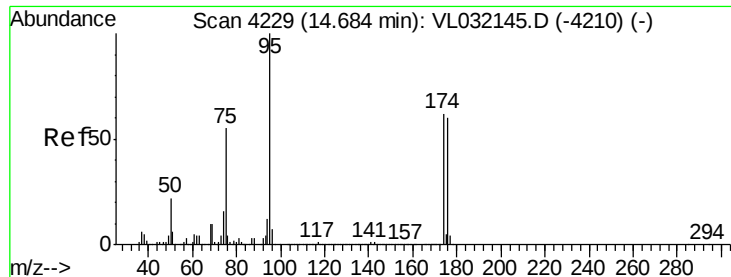
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#60
o-Xylene
Concen: 0.51 ppbv
RT: 13.94 min Scan# 3999
Delta R.T. -0.03 min
Lab File: VL032210.D
Acq: 5 Jul 2018 19:25

Tgt Ion: 91 Resp: 238930
Ion Ratio Lower Upper
91 100
106 43.4 23.3 69.8





#68

1-Bromo-4-Fluorobenzene

Concen: 9.90 ppbv

RT: 14.67 min Scan# 4225

Delta R.T. -0.03 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampled :

539I

Tot Ion: 95 Resp: 2761792

Ion Ratio Lower Upper

95 100

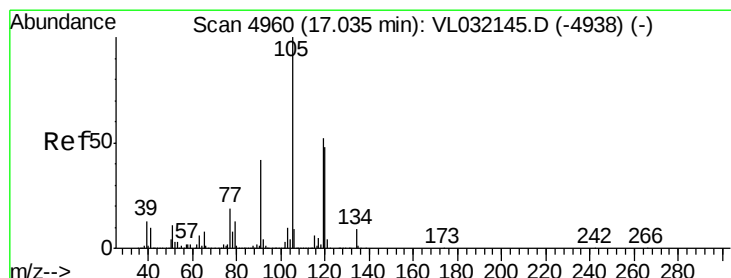
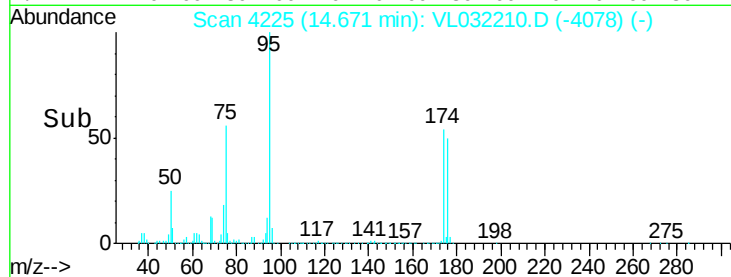
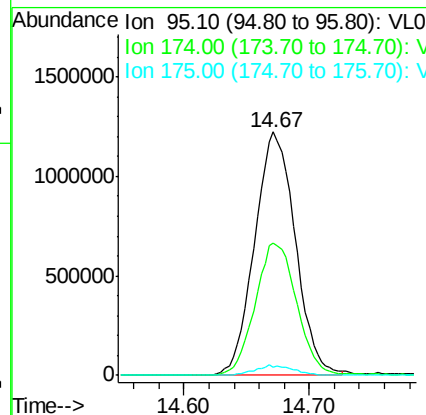
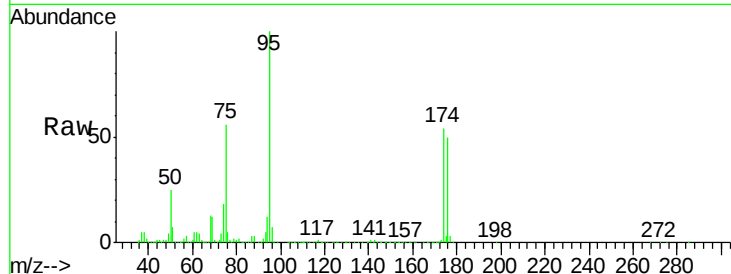
174 55.8 52.1 78.1

175 4.0 4.0 6.0#

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#74

1,2,4-Trimethylbenzene

Concen: 0.22 ppbv m

RT: 17.02 min Scan# 4956

Delta R.T. -0.03 min

Lab File: VL032210.D

Acq: 5 Jul 2018 19:25

Tgt Ion: 105 Resp: 129222

Ion Ratio Lower Upper

105 100

120 48.5 38.8 58.2

91 14.7 33.6 50.4#

77 20.6 16.0 24.0

