

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070218\
 Data File : VL032199.D
 Acq On : 3 Jul 2018 2:25
 Operator : SY/AP
 Sample : J3735-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2

Manual Integrations
 APPROVED

MMDadoda
 7/3/2018 5:17:25 PM

Quant Time: Jul 03 06:59:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 2018
 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	5.85	49	1270293	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3482193	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3112306	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.68	95	2377312	9.99	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	30903	0.18	ppbv	92
3) Chlorodifluoromethane	3.07	51	29403	0.19	ppbv	98
4) Chloromethane	3.23	50	24933	0.30	ppbv	95
9) Propene	3.10	41	5250600m	72.58	ppbv	
10) Heptane	8.34	43	2405350	11.41	ppbv	99
11) Trichlorofluoromethane	4.08	101	447352	2.47	ppbv	100
13) Ethanol	3.72	45	179227	8.17	ppbv	96
15) Acetone	3.96	43	1553644	10.46	ppbv #	76
17) tert-Butyl alcohol	4.43	59	237898	2.52	ppbv #	73
20) Methylene Chloride	4.49	84	23183	0.43	ppbv #	91
26) Hexane	5.87	57	5146455	36.37	ppbv #	45
27) Carbon Disulfide	4.70	76	167872	1.19	ppbv	94
29) Chloroform	5.93	83	544185	2.64	ppbv	98
30) Cyclohexane	7.34	84	115047	0.86	ppbv #	52
32) 1,1,1-Trichloroethane	6.71	97	267619	1.24	ppbv	97
34) 2-Butanone	5.41	43	532984	2.41	ppbv	100
35) Carbon Tetrachloride	7.23	117	20590m	0.09	ppbv	
36) Benzene	7.10	78	523387	1.55	ppbv	94
38) Trichloroethene	8.05	130	18753	0.14	ppbv #	76
41) Tetrahydrofuran	6.25	42	102134	0.77	ppbv	95
44) 2,2,4-Trimethylpentane	8.09	57	205833	0.35	ppbv #	41
50) 4-Methyl-2-Pentanone	8.99	43	53459	0.15	ppbv	97
52) Tetrachloroethene	11.47	164	609681	4.97	ppbv	98
53) Toluene	10.04	91	4261328	10.46	ppbv	99
58) Ethyl Benzene	12.96	91	1350278	2.69	ppbv	95
59) m/p-Xylene	13.22	91	3787606	9.42	ppbv	97
60) o-Xylene	13.95	91	1686757	4.21	ppbv	95
61) Styrene	13.78	104	38137	0.12	ppbv #	76
62) Isopropylbenzene	14.93	105	182515	0.30	ppbv	99
67) sec-Butylbenzene	17.56	105	84575	0.11	ppbv	98
69) p-Isopropyltoluene	17.92	119	292834m	0.46	ppbv	
72) 4-Ethyltoluene	16.11	105	563754	1.09	ppbv	97
73) 1,3,5-Trimethylbenzene	16.26	105	906043	1.86	ppbv	94
74) 1,2,4-Trimethylbenzene	17.03	105	2333442	4.74	ppbv #	74
79) Naphthalene	22.54	128	373309m	0.83	ppbv	
80) Naphthalene,2-methyl-	25.19	142	128505	0.80	ppbv #	87

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

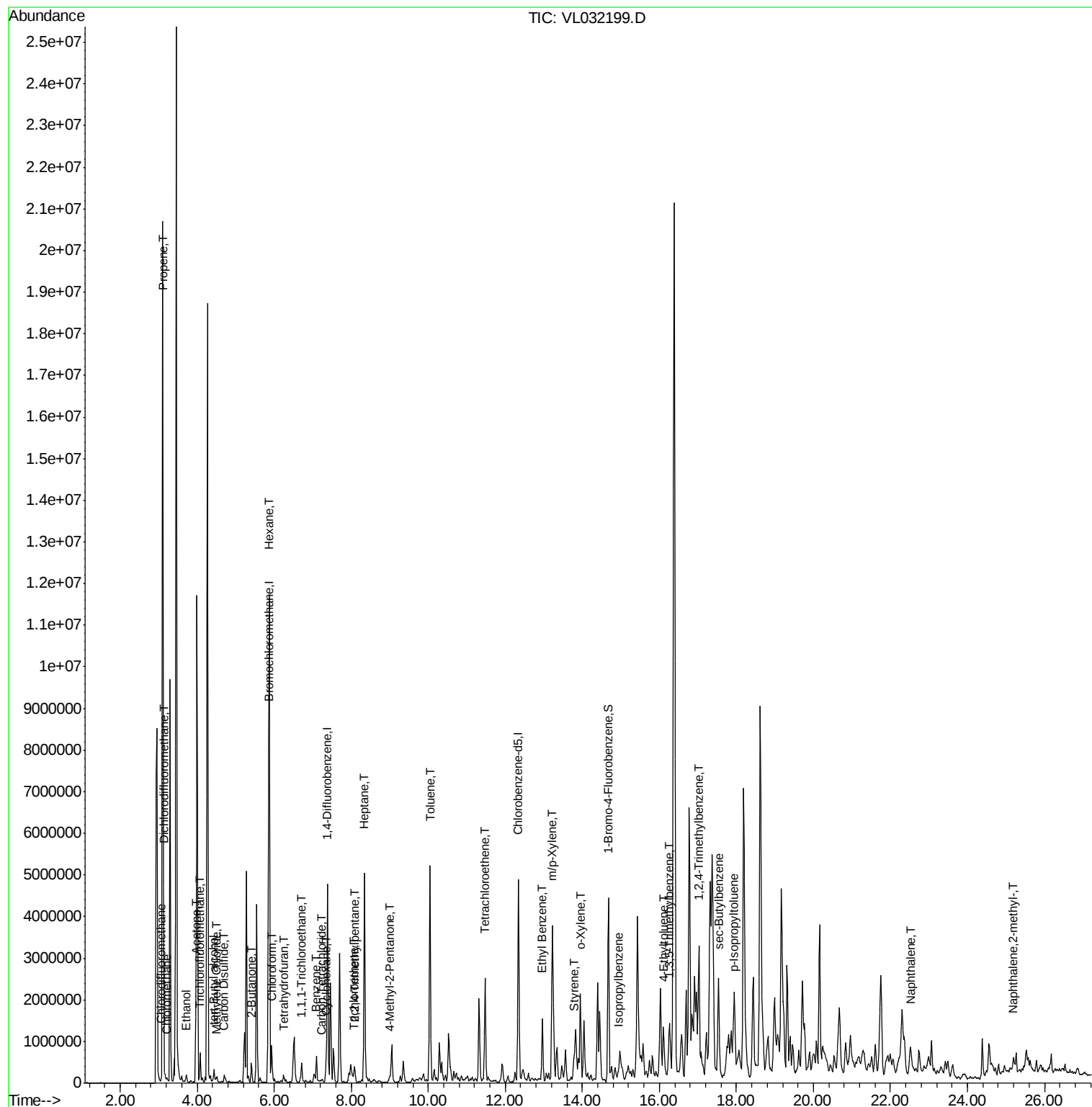
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070218\
Data File : VL032199.D
Acq On : 3 Jul 2018 2:25
Operator : SY/AP
Sample : J3735-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

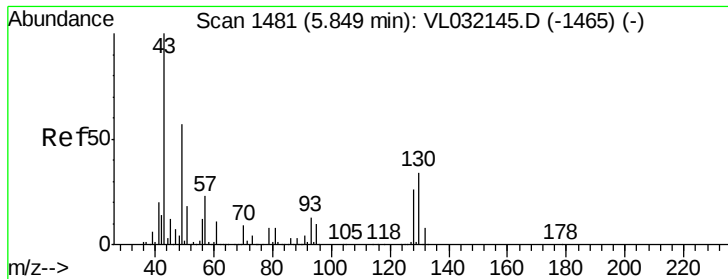
Instrument :
MSVOA_L
ClientSampleId :
SS-2

Manual Integrations
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Quant Time: Jul 03 06:59:40 2018
Quant Method : Z:\VOASRV\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: 5.85 min Scan# 1480

Delta R.T. -0.02 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Instrument :

MSVOA_L

ClientSampled :

SS-2

Tot Ion: 49 Resp: 1270293

Ion Ratio Lower Upper

49 100

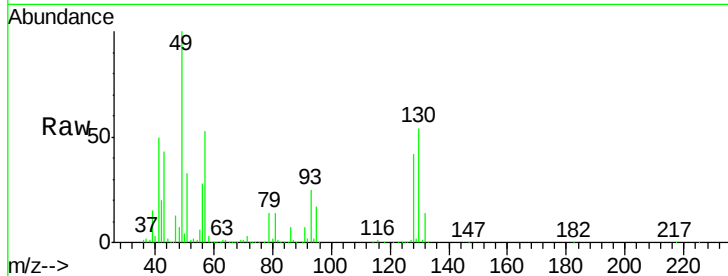
128 43.7 23.4 70.0

130 55.3 30.3 90.9

Manual Integrations
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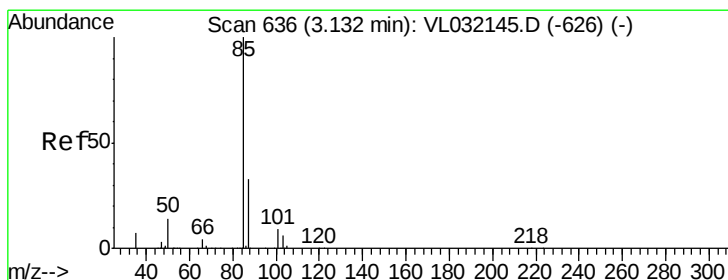
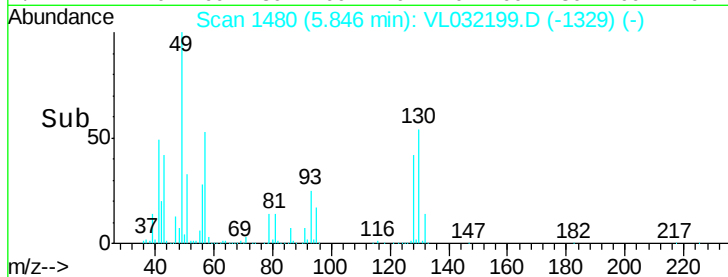
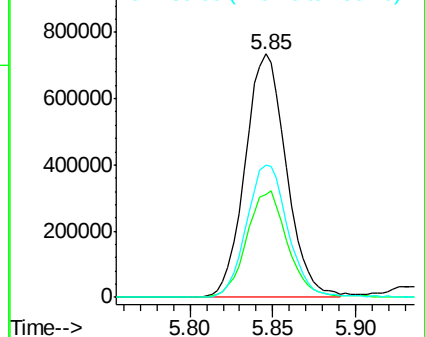
7/3/2018 5:17:25 PM



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



#2

Dichlorodifluoromethane

Concen: 0.18 ppbv

RT: 3.13 min Scan# 637

Delta R.T. -0.01 min

Lab File: VL032199.D

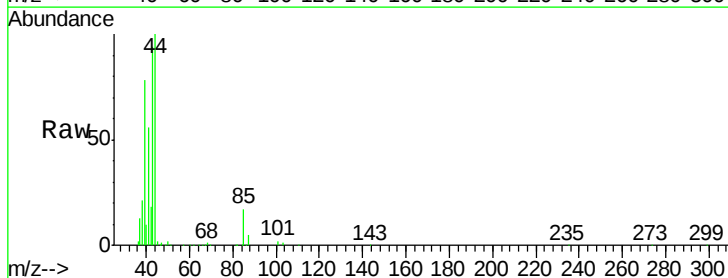
Acq: 3 Jul 2018 2:25

Tgt Ion: 85 Resp: 30903

Ion Ratio Lower Upper

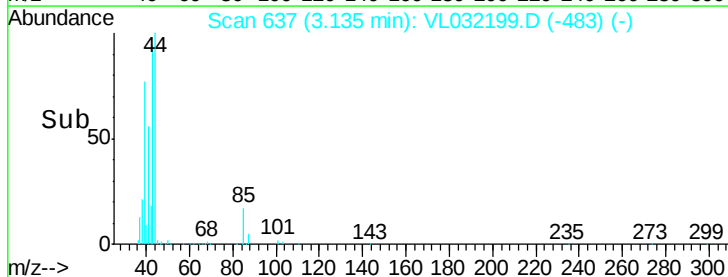
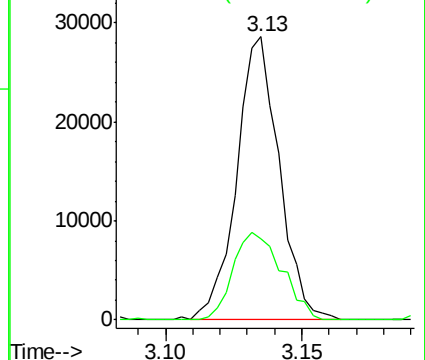
85 100

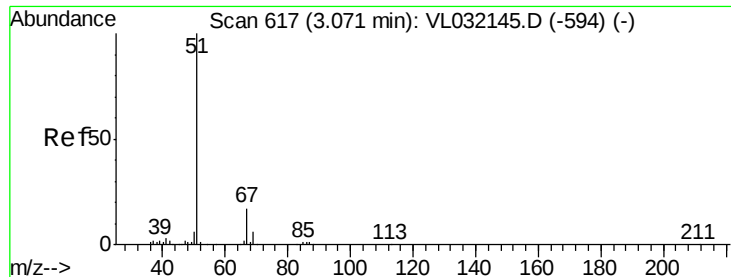
87 28.9 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.19 ppbv

RT: 3.07 min Scan# 616

Delta R.T. -0.01 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Instrument :

MSVOA_L

ClientSampleId :

SS-2

Tot Ion: 51 Resp: 29403

Ion Ratio Lower Upper

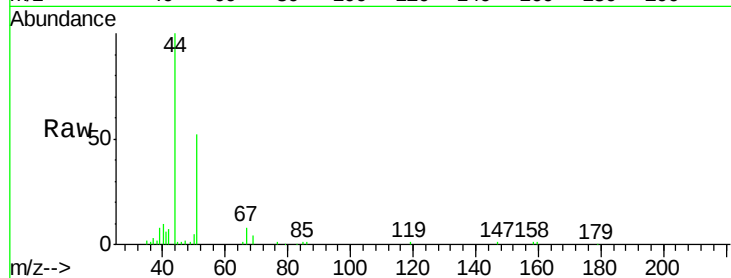
51 100

67 15.8 13.2 19.8

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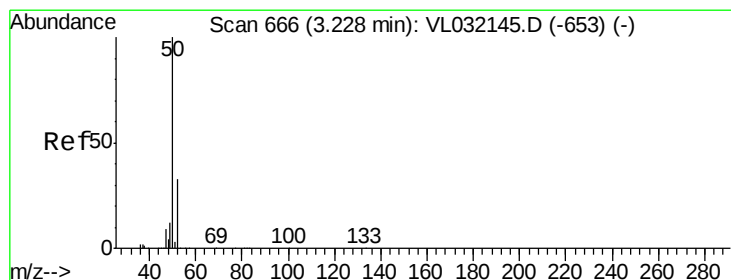
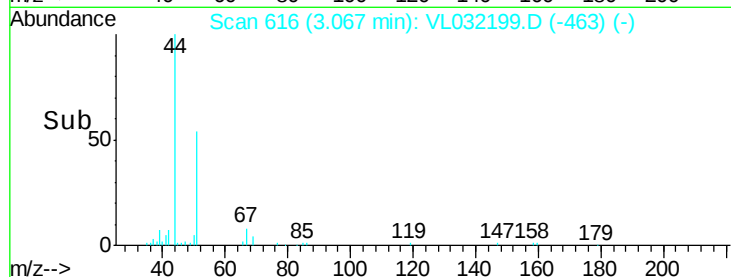
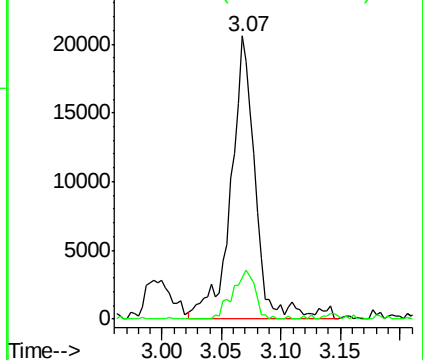
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.30 ppbv

RT: 3.23 min Scan# 665

Delta R.T. -0.01 min

Lab File: VL032199.D

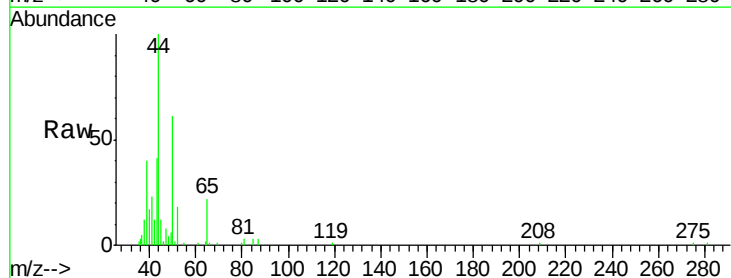
Acq: 3 Jul 2018 2:25

Tgt Ion: 50 Resp: 24933

Ion Ratio Lower Upper

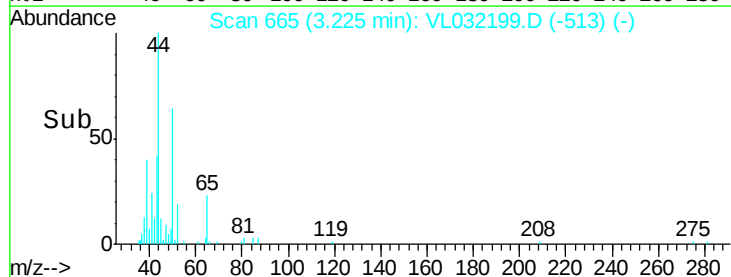
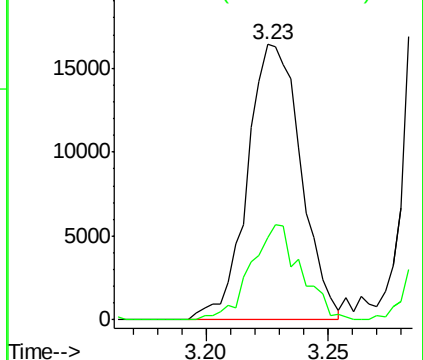
50 100

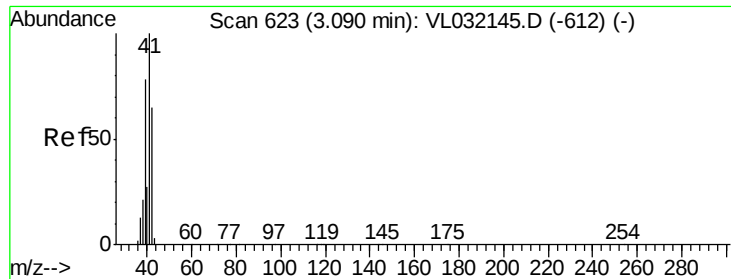
52 30.0 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

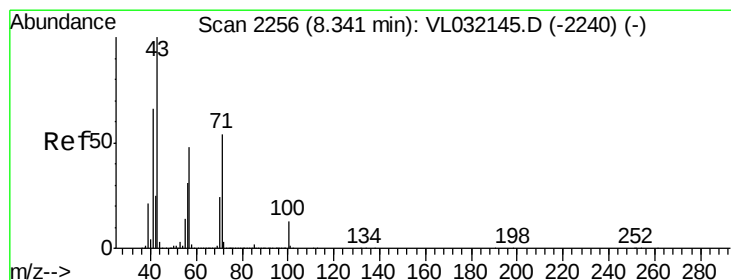
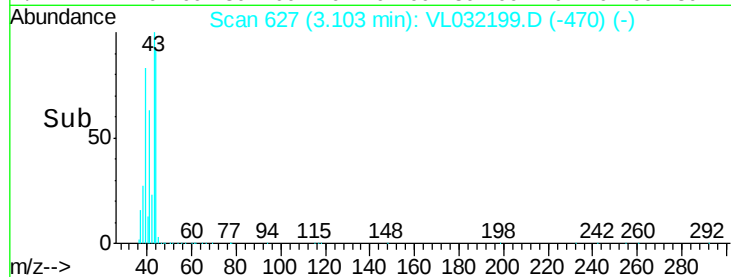
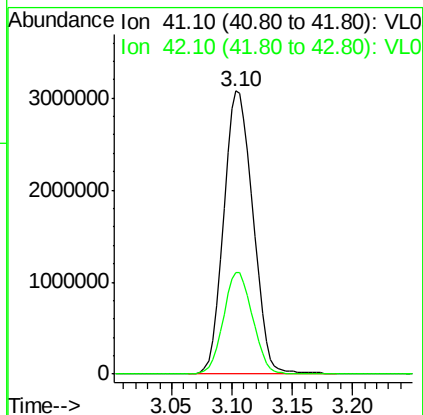
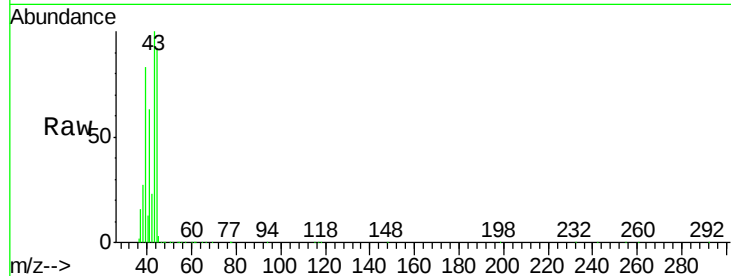
Concen: 72.58 ppbv m
RT: 3.10 min Scan# 627
Delta R.T. 0.00 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Instrument :
MSVOA_L
ClientSampleId :
SS-2

Tot Ion: 41 Resp: 5250600
Ion Ratio Lower Upper
41 100
42 38.5 56.2 84.4#

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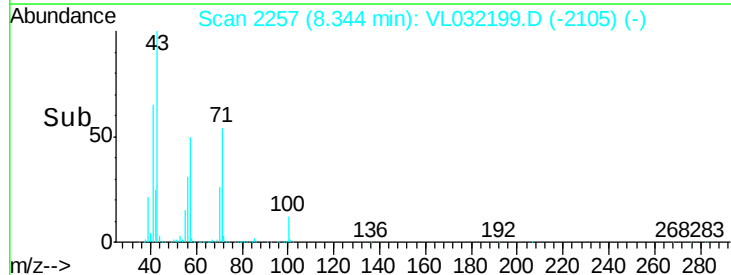
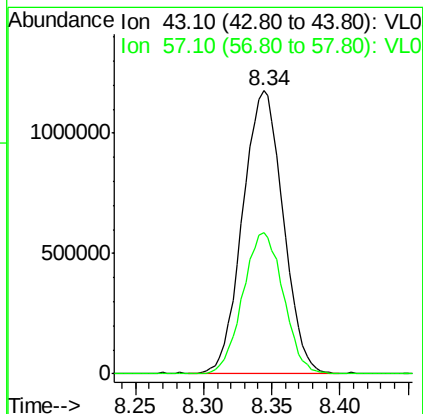
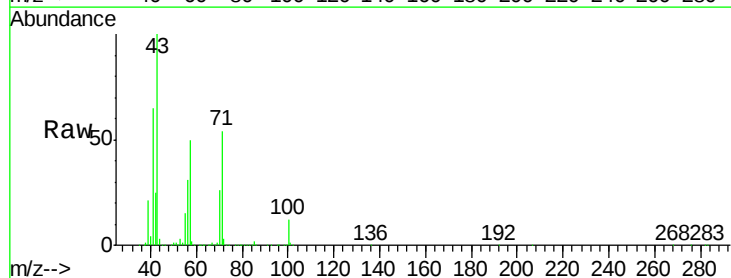


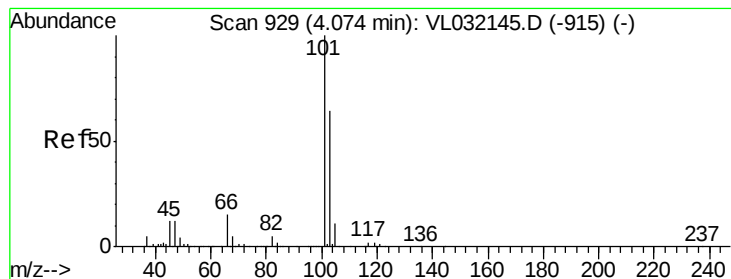
#10

Heptane

Concen: 11.41 ppbv
RT: 8.34 min Scan# 2257
Delta R.T. -0.01 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Tgt Ion: 43 Resp: 2405350
Ion Ratio Lower Upper
43 100
57 50.4 39.8 59.8





#11

Trichlorofluoromethane

Concen: 2.47 ppbv

RT: 4.08 min Scan# 930

Delta R.T. -0.01 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Instrument :

MSVOA_L

ClientSampleId :

SS-2

Tot Ion:101 Resp: 447352

Ion Ratio Lower Upper

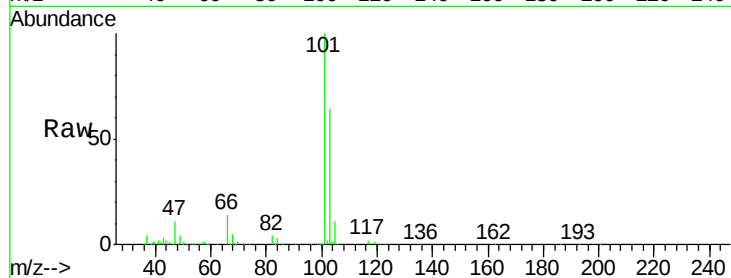
101 100

103 64.4 51.4 77.0

Manual Integrations
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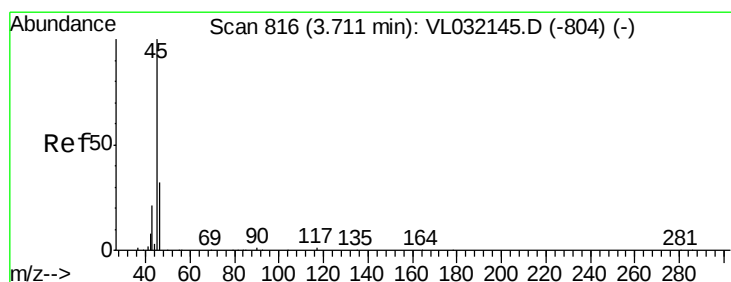
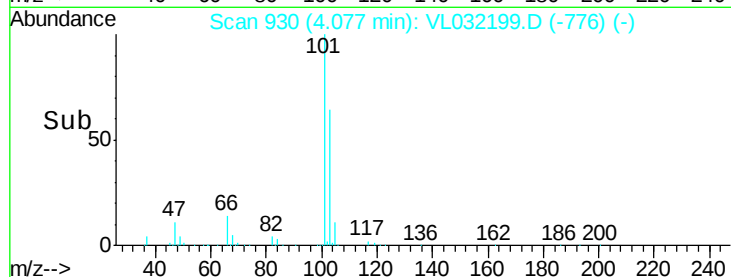
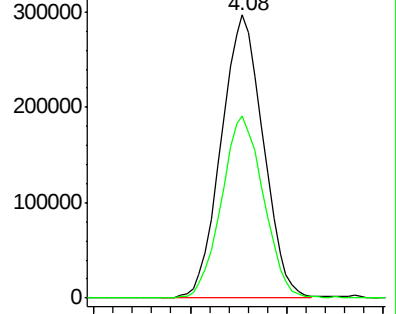
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 8.17 ppbv

RT: 3.72 min Scan# 818

Delta R.T. -0.01 min

Lab File: VL032199.D

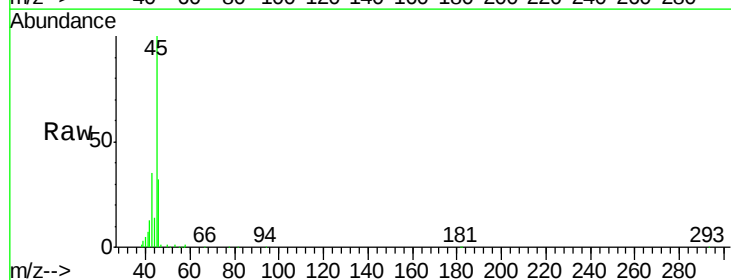
Acq: 3 Jul 2018 2:25

Tgt Ion: 45 Resp: 179227

Ion Ratio Lower Upper

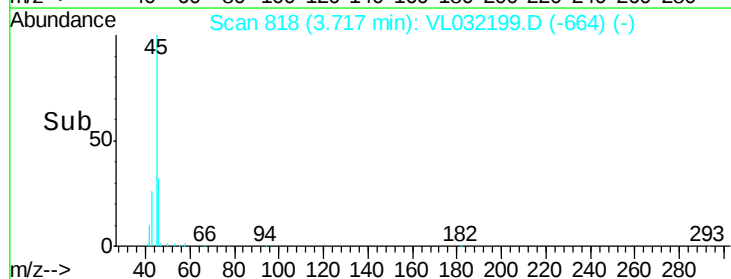
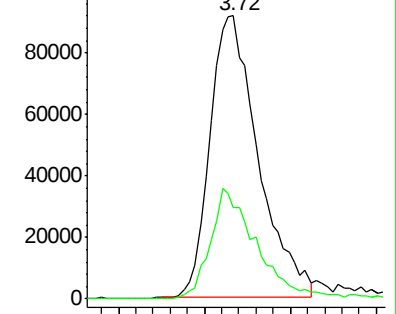
45 100

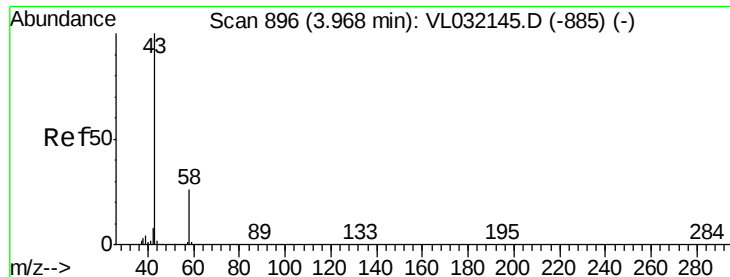
46 39.1 14.6 58.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 10.46 ppbv

RT: 3.96 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Instrument :

MSVOA_L

ClientSampled :

SS-2

Tot Ion: 43 Resp: 1553644

Ion Ratio Lower Upper

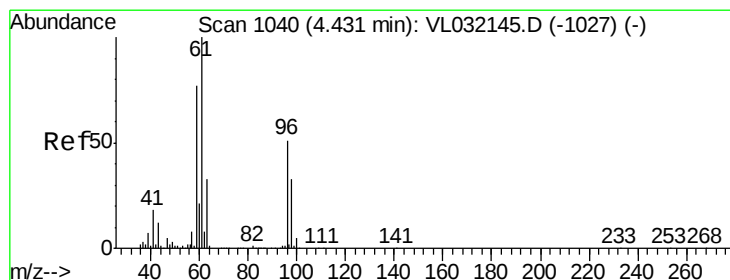
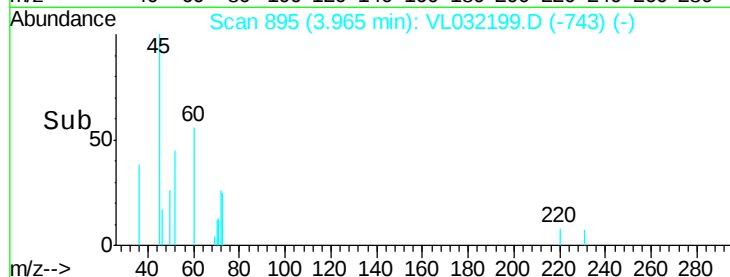
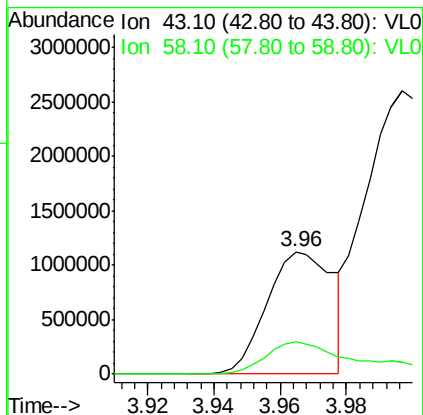
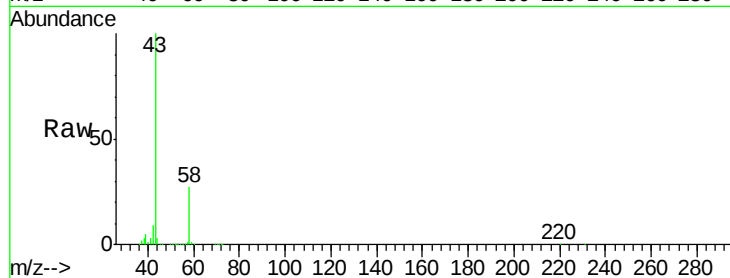
43 100

58 38.8 21.4 32.0#

Manual Integrations
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#17

tert-Butyl alcohol

Concen: 2.52 ppbv

RT: 4.43 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VL032199.D

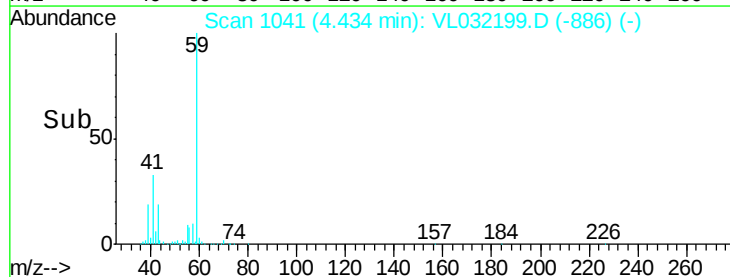
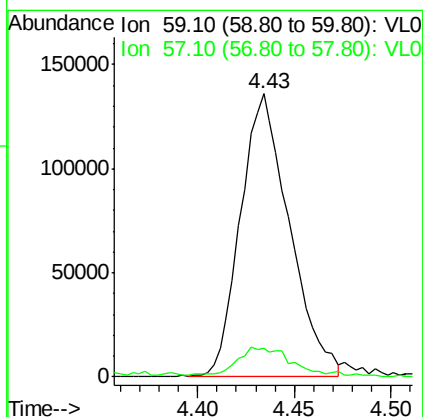
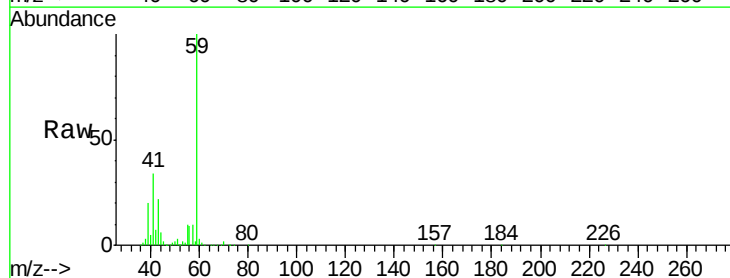
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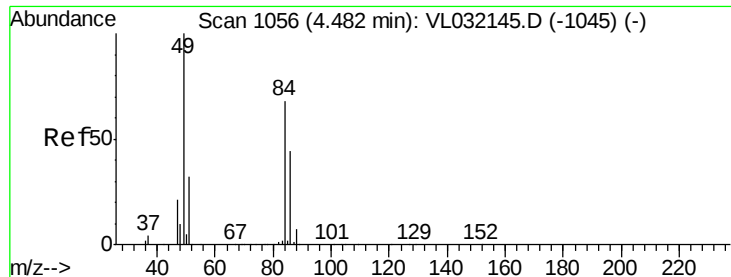
Tgt Ion: 59 Resp: 237898

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





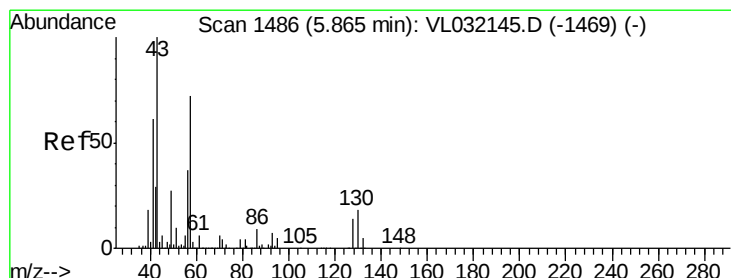
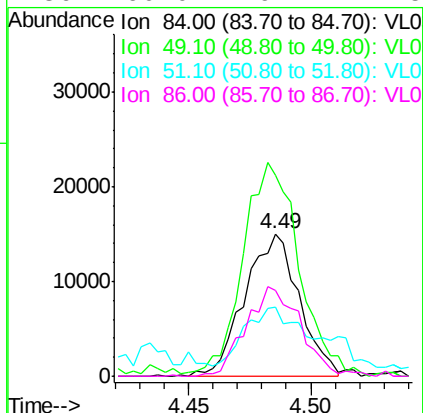
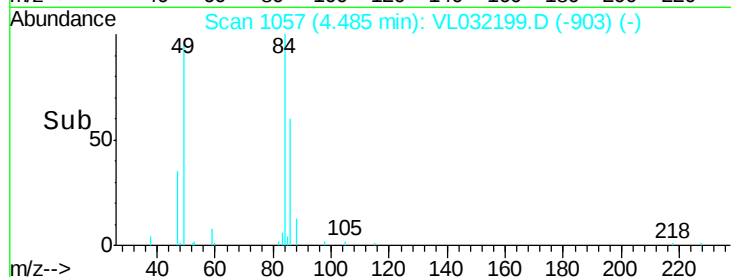
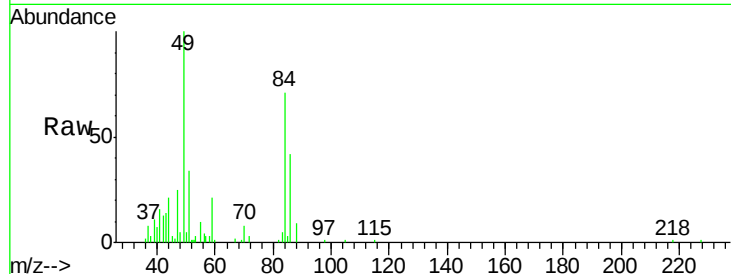
#20
Methvlene Chloride
Concen: 0.43 ppbv
RT: 4.49 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Instrument :
MSVOA_L
ClientSampleId :
SS-2

Tot Ion	Ratio	Lower	Upper
84	100		
49	138.6	119.6	179.4
51	31.4	36.3	54.5#
86	60.0	49.7	74.5

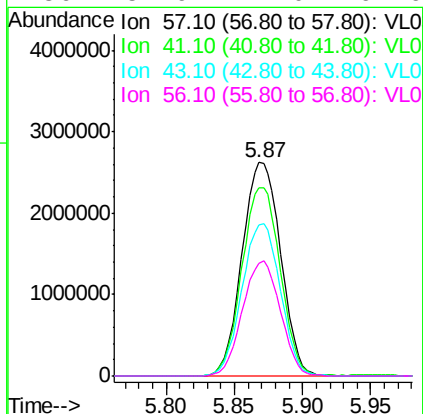
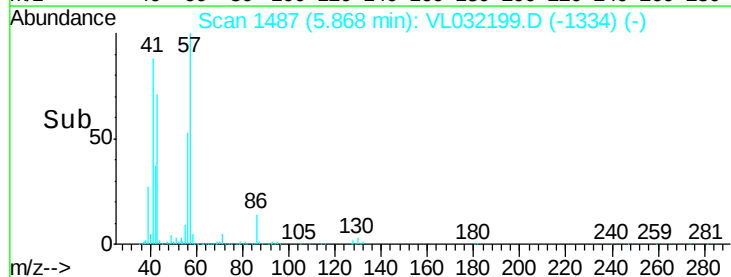
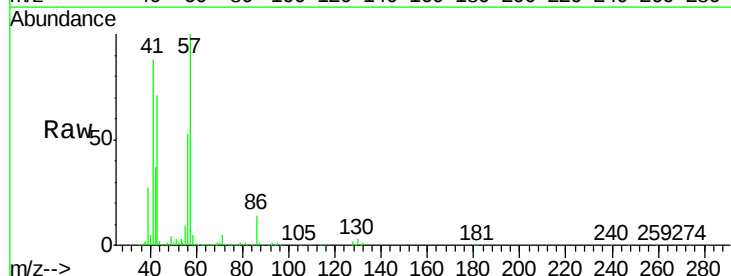
Manual Integrations
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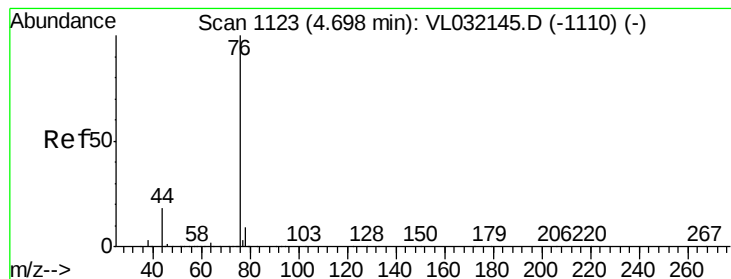
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#26
Hexane
Concen: 36.37 ppbv
RT: 5.87 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.1	68.6	103.0
43	71.1	168.6	252.8#
56	52.9	41.0	61.6





#27

Carbon Disulfide

Concen: 1.19 ppbv

RT: 4.70 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Instrument :

MSVOA_L

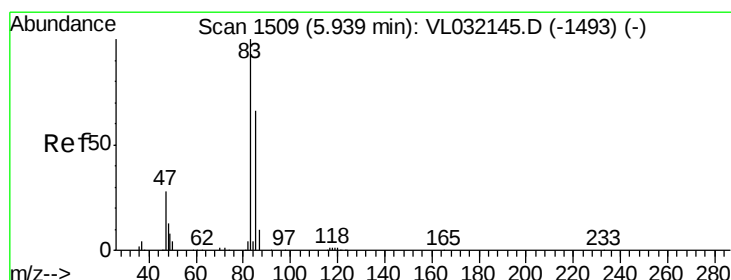
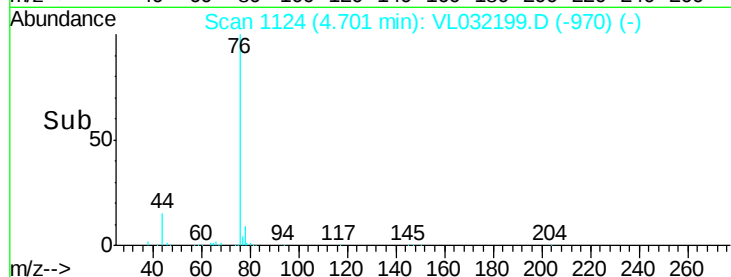
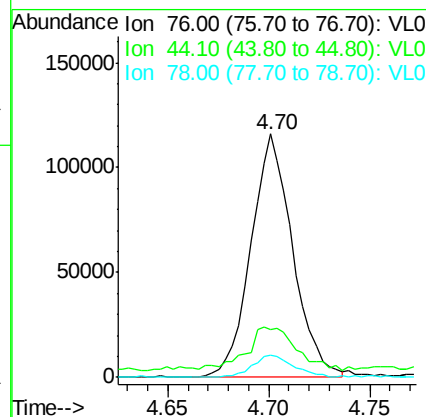
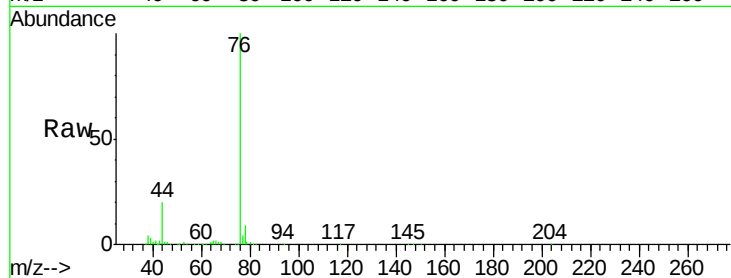
ClientSampled :

SS-2

Tot Ion:	76	Resp:	167872
Ion Ratio	Lower	Upper	
76	100		
44	22.3	15.1	22.7
78	9.9	7.2	10.8

Manual Integrations
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#29

Chloroform

Concen: 2.64 ppbv

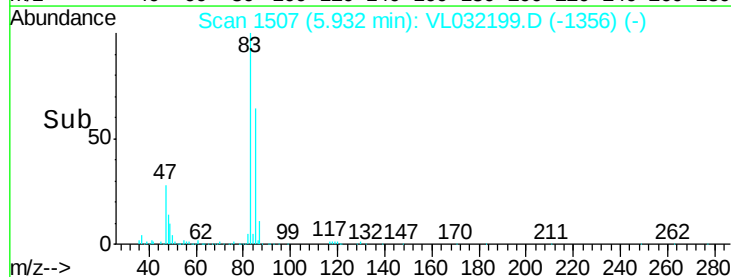
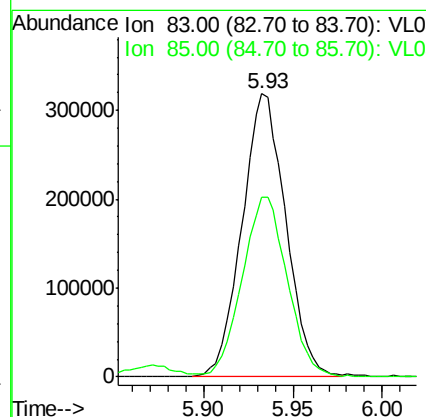
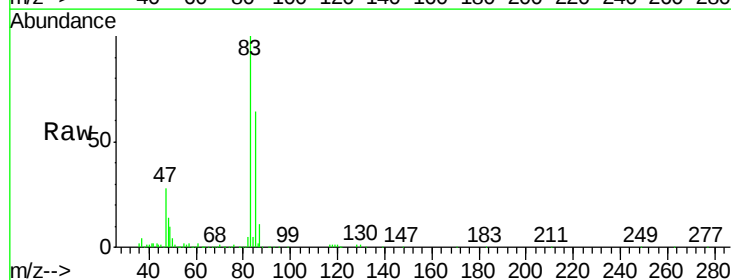
RT: 5.93 min Scan# 1507

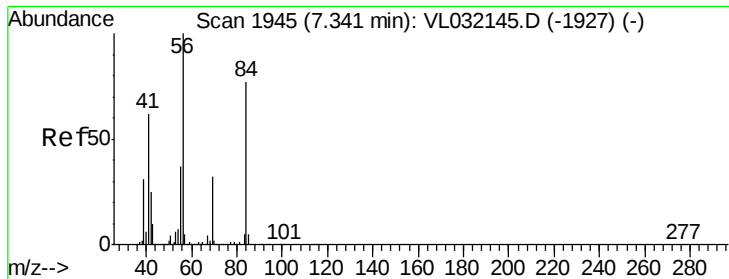
Delta R.T. -0.02 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Tgt Ion:	83	Resp:	544185
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.6	77.4





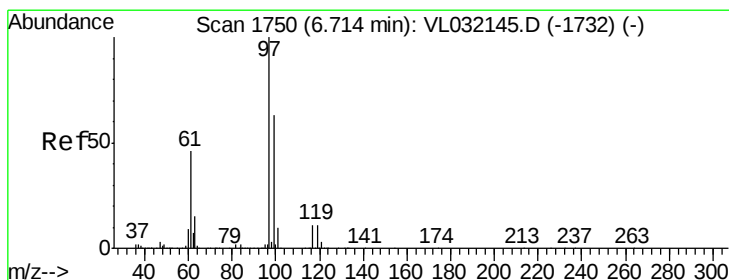
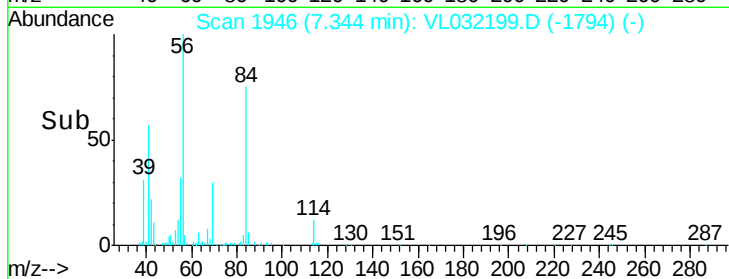
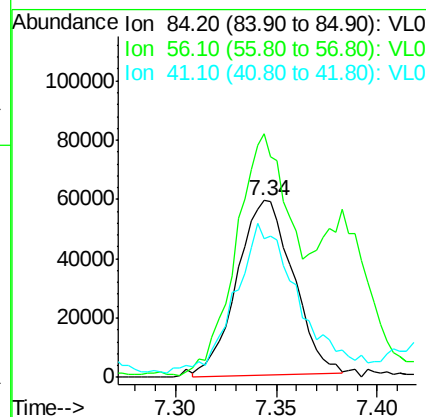
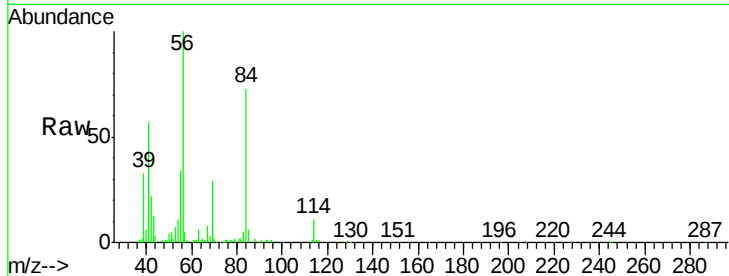
#30
Cvclohexane
Concen: 0.86 ppbv
RT: 7.34 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Instrument :
MSVOA_L
ClientSampled :
SS-2

Tot Ion	Ratio	Lower	Upper
84	100		
56	218.3	109.1	163.7#
41	93.7	64.6	96.8

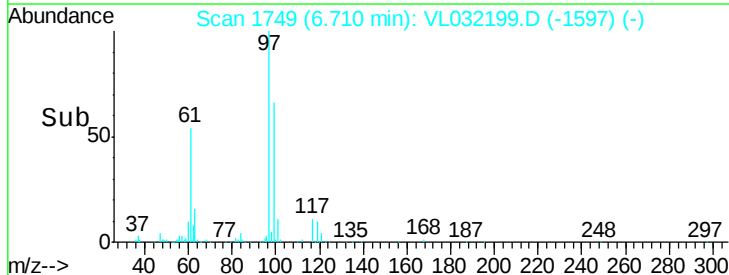
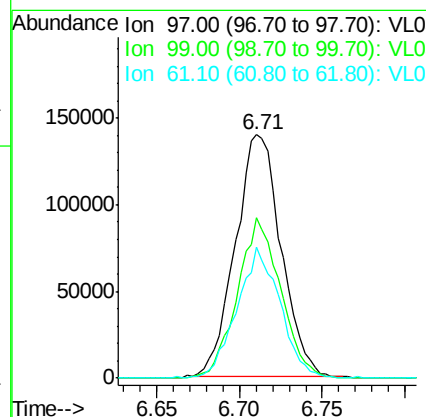
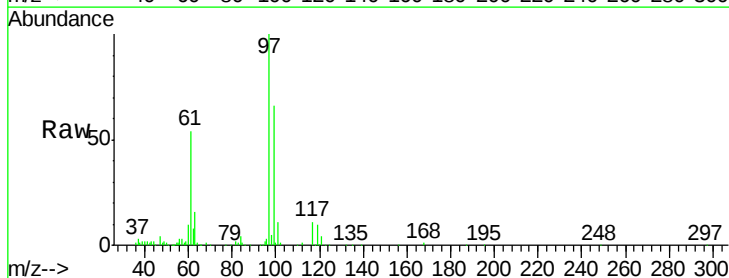
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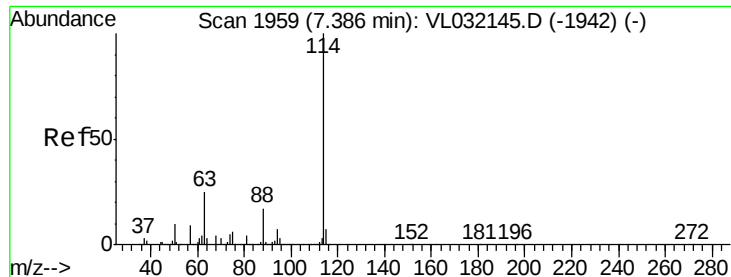
MMDadoda
7/3/2018 5:17:25 PM



#32
1,1,1-Trichloroethane
Concen: 1.24 ppbv
RT: 6.71 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.3	76.9
61	51.2	38.4	57.6





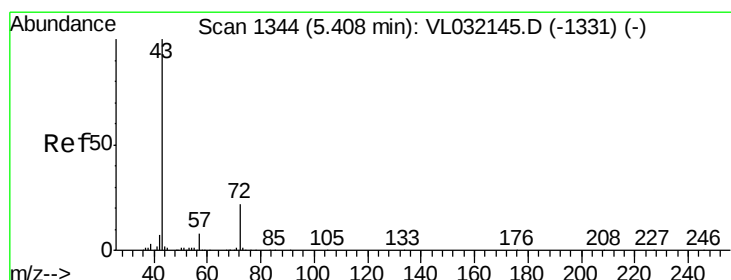
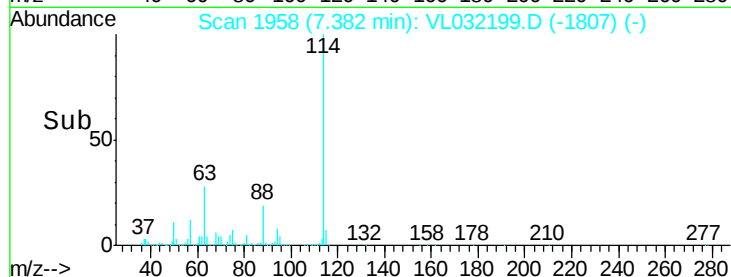
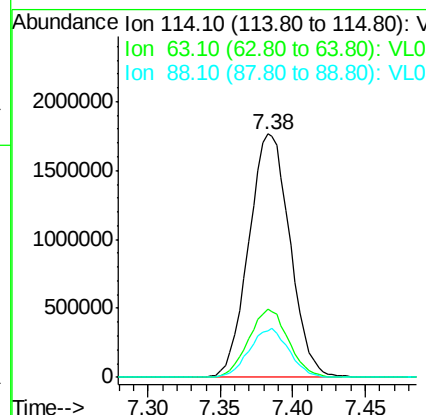
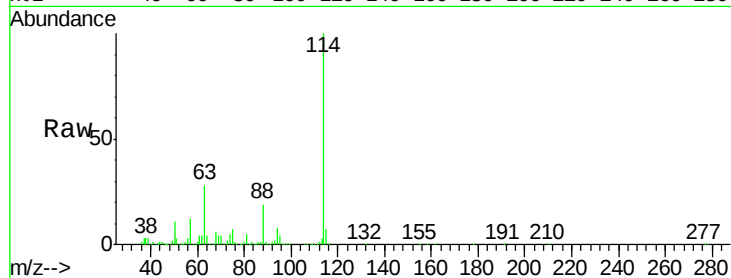
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. -0.02 min
 Lab File: VL032199.D
 Acq: 3 Jul 2018 2:25

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.3	19.1	28.7
88	19.3	13.9	20.9

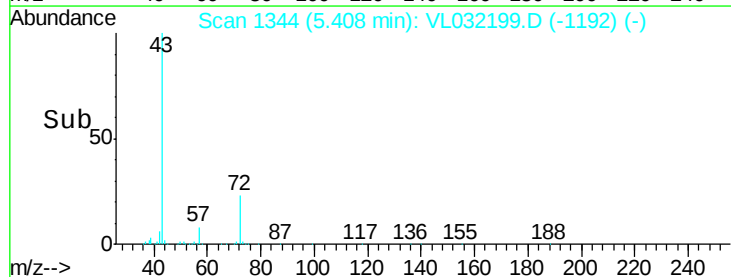
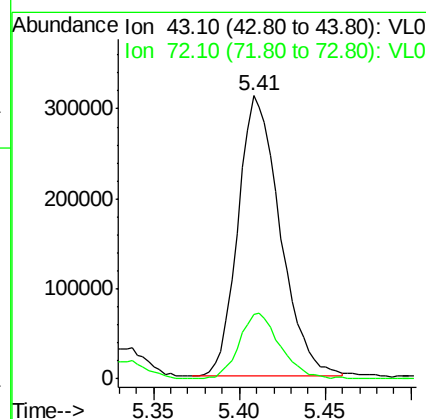
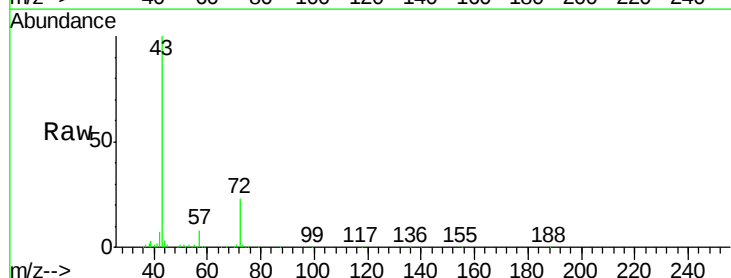
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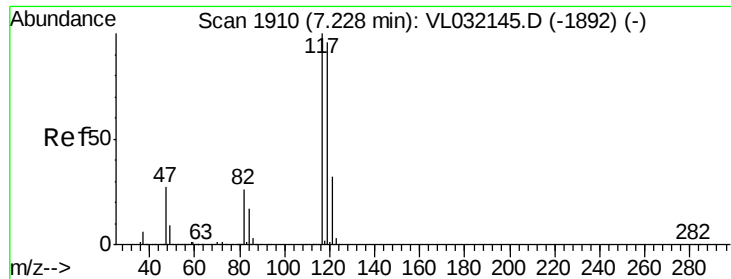
MMDadoda
 7/3/2018 5:17:25 PM



#34
 2-Butanone
 Concen: 2.41 ppbv
 RT: 5.41 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VL032199.D
 Acq: 3 Jul 2018 2:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6





#35

Carbon Tetrachloride

Concen: 0.09 ppbv m

RT: 7.23 min Scan# 1910

Delta R.T. -0.01 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Instrument :

MSVOA_L

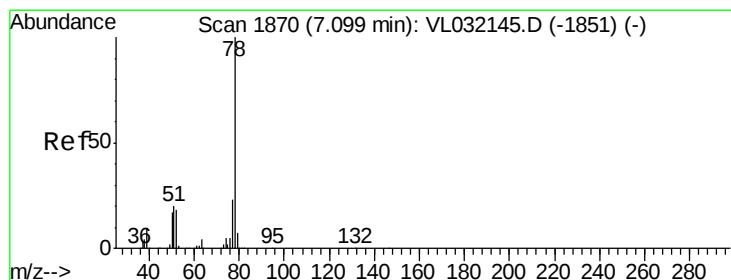
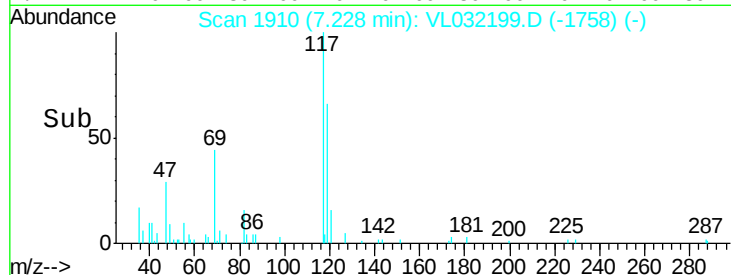
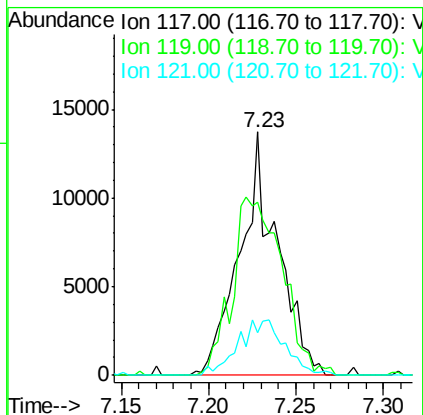
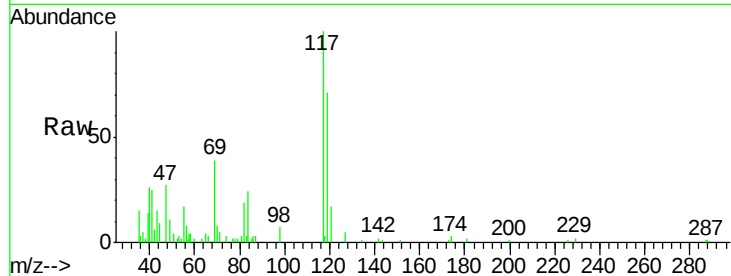
ClientSampleId :

SS-2

Tot Ion:	117	Resp:	20590
Ion Ratio	Lower	Upper	
117	100		
119	71.0	74.8	112.2#
121	17.4	24.0	36.0#

Manual Integrations
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#36

Benzene

Concen: 1.55 ppbv

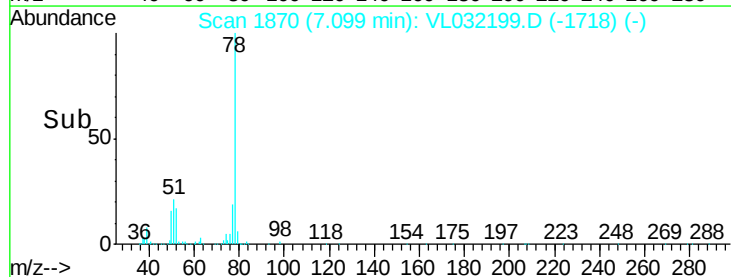
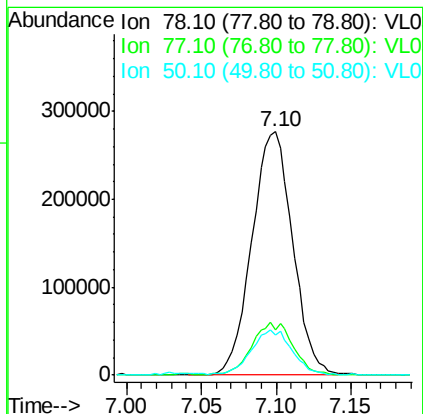
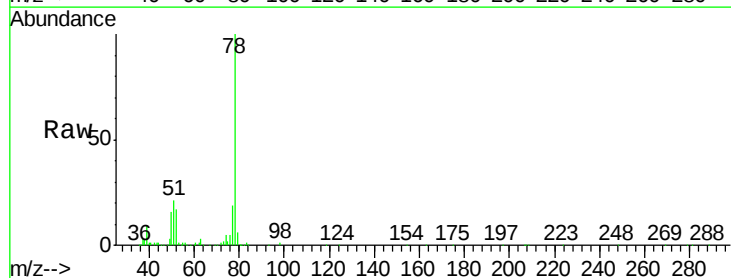
RT: 7.10 min Scan# 1870

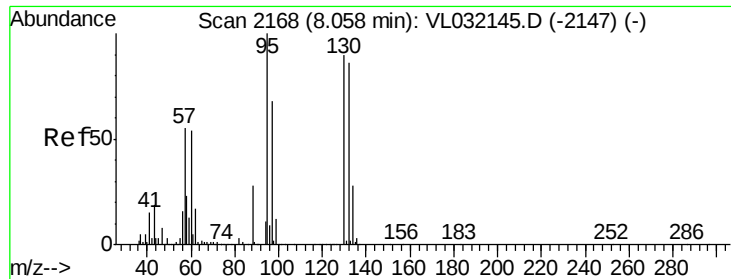
Delta R.T. -0.01 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Tgt Ion:	78	Resp:	523387
Ion Ratio	Lower	Upper	
78	100		
77	18.5	17.7	26.5
50	16.0	14.0	21.0





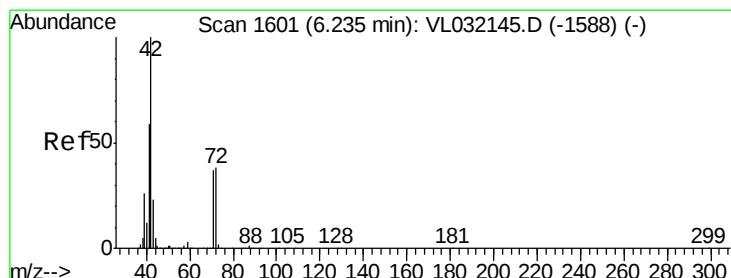
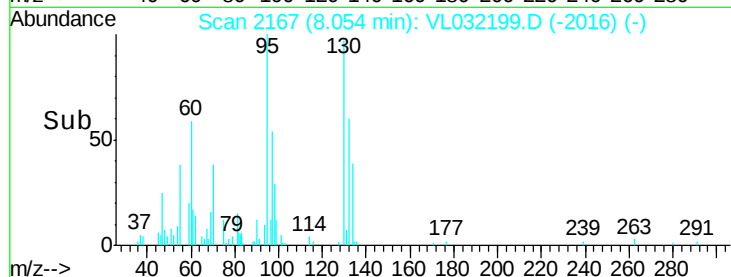
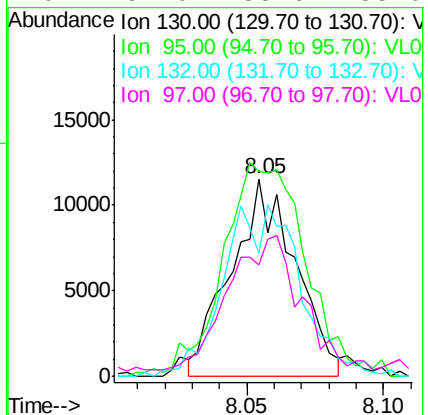
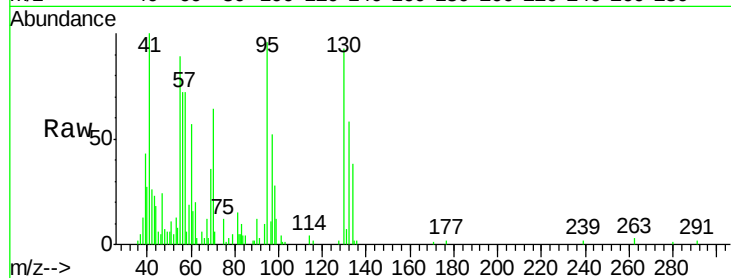
#38
 Trichloroethene
 Concen: 0.14 ppbv
 RT: 8.05 min Scan# 2167
 Delta R.T. -0.02 min
 Lab File: VL032199.D
 Acq: 3 Jul 2018 2:25

Instrument :
 MSVOA_L
 ClientSampled :
 SS-2

Tot Ion	Ratio	Resp	Lower	Upper
130	100	18753		
95	98.9	88.1	132.1	
132	57.9	74.6	112.0#	
97	51.0	58.6	88.0#	

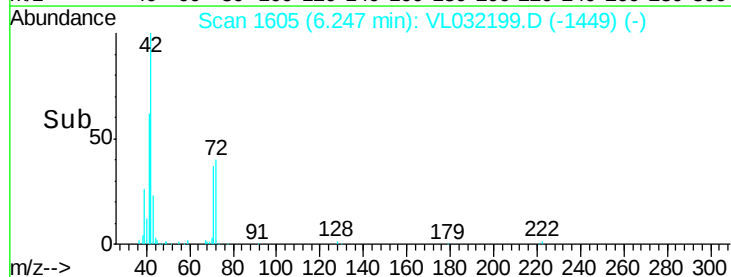
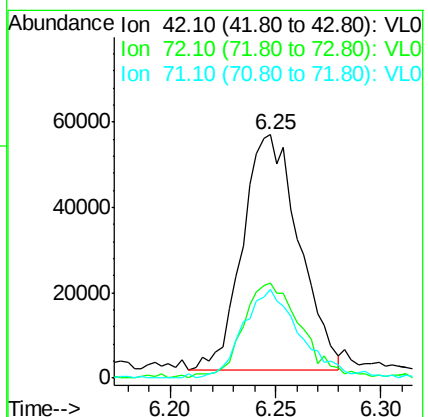
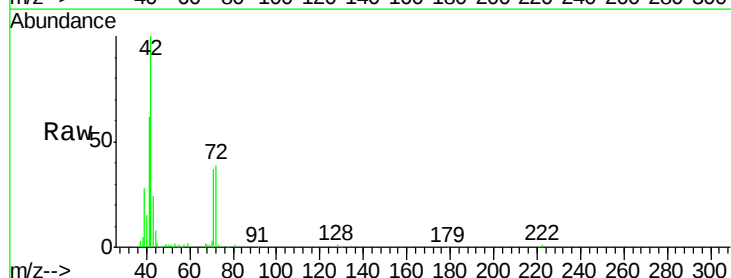
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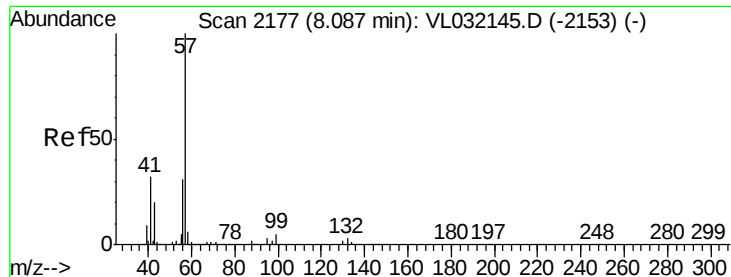
MMDadoda
 7/3/2018 5:17:25 PM



#41
 Tetrahydrofuran
 Concen: 0.77 ppbv
 RT: 6.25 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: VL032199.D
 Acq: 3 Jul 2018 2:25

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	102134		
72	42.5	31.1	46.7	
71	39.3	29.5	44.3	





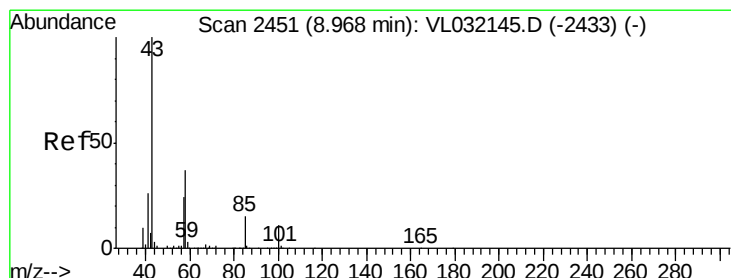
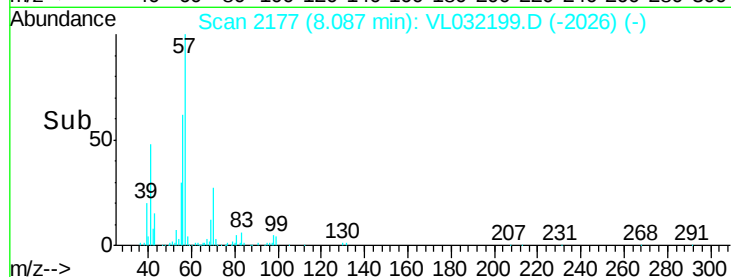
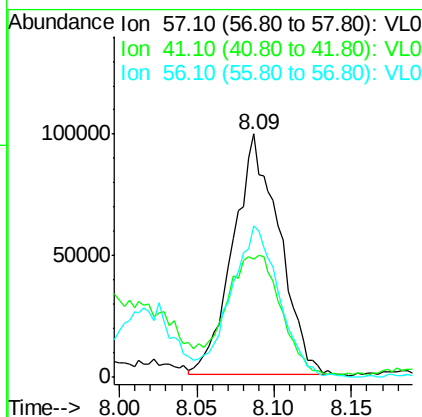
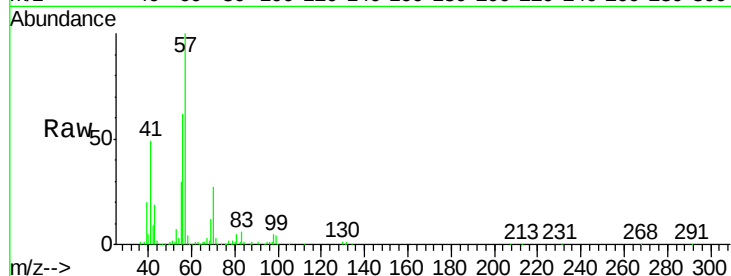
#44
 2,2,4-Trimethylpentane
 Concen: 0.35 ppbv
 RT: 8.09 min Scan# 2177
 Delta R.T. -0.02 min
 Lab File: VL032199.D
 Acq: 3 Jul 2018 2:25

Instrument :
 MSVOA_L
 ClientSampled :
 SS-2

Tot Ion	Ratio	Lower	Upper
57	100		
41	60.9	24.3	36.5#
56	65.3	25.1	37.7#

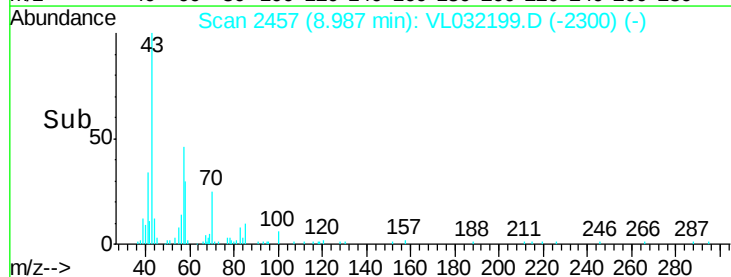
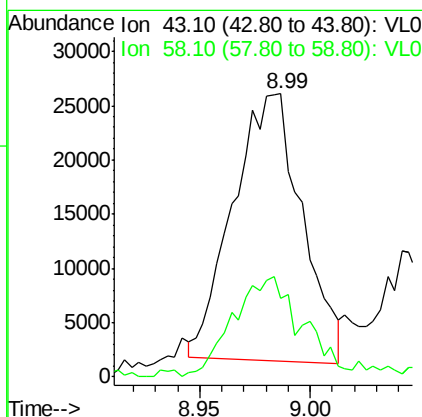
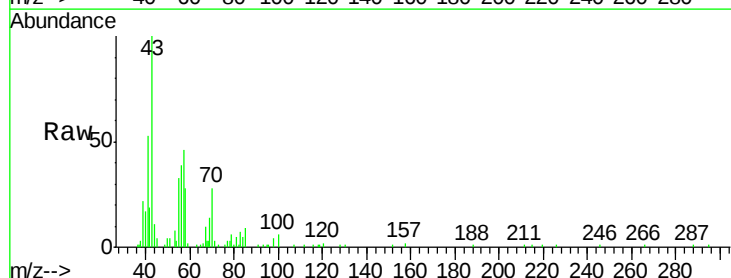
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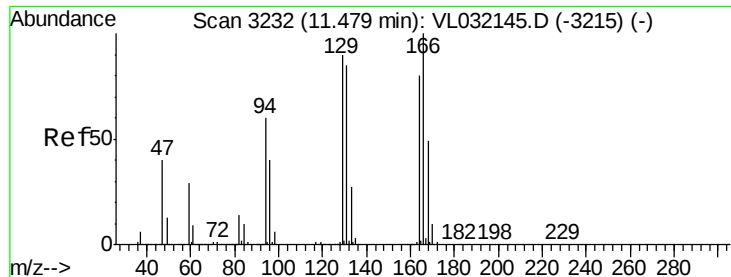
MMDadoda
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#50
 4-Methyl-2-Pentanone
 Concen: 0.15 ppbv
 RT: 8.99 min Scan# 2457
 Delta R.T. 0.00 min
 Lab File: VL032199.D
 Acq: 3 Jul 2018 2:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.0	29.8	44.6





#52

Tetrachloroethene

Concen: 4.97 ppbv

RT: 11.47 min Scan# 3230

Delta R.T. -0.02 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Instrument :

MSVOA_L

ClientSampled :

SS-2

Tot Ion:164 Resp: 609681

Ion Ratio Lower Upper

164 100

166 124.4 100.6 151.0

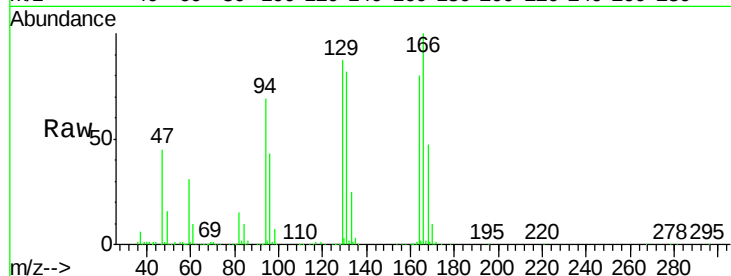
129 107.6 84.0 126.0

131 101.9 82.7 124.1

Manual Integrations
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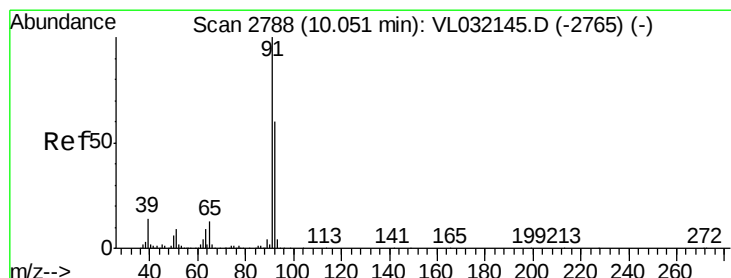
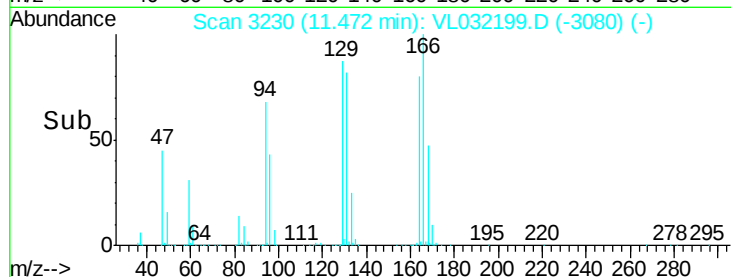
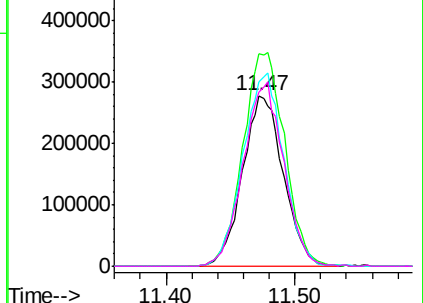


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 10.46 ppbv

RT: 10.04 min Scan# 2786

Delta R.T. -0.02 min

Lab File: VL032199.D

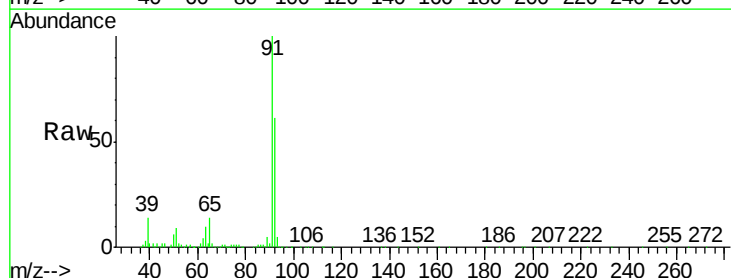
Acq: 3 Jul 2018 2:25

Tgt Ion: 91 Resp: 4261328

Ion Ratio Lower Upper

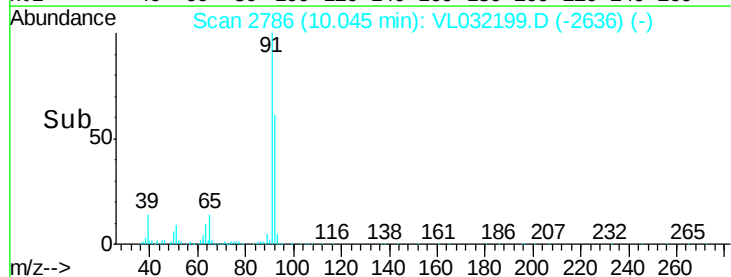
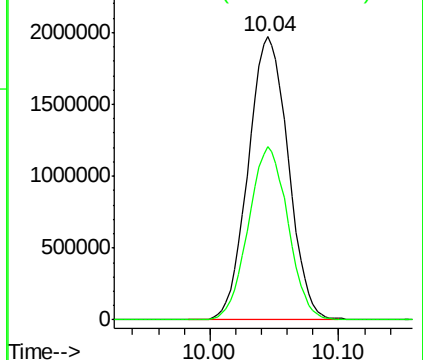
91 100

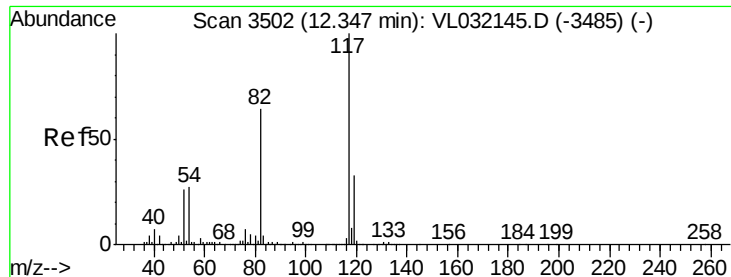
92 60.7 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





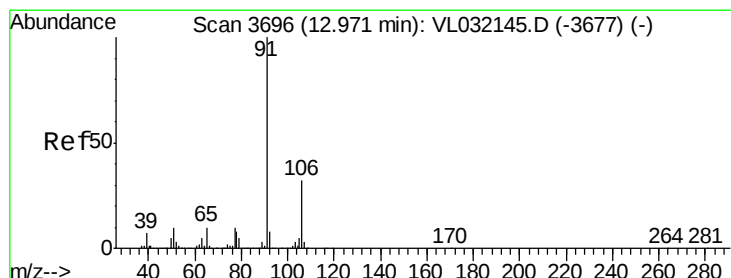
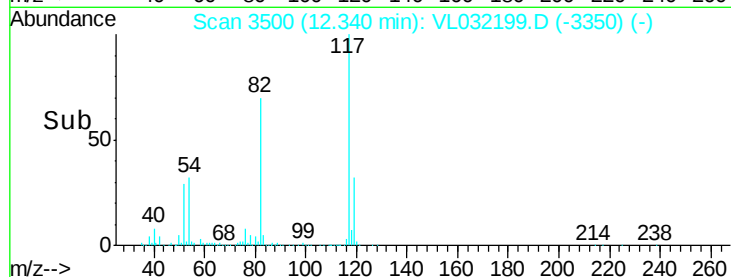
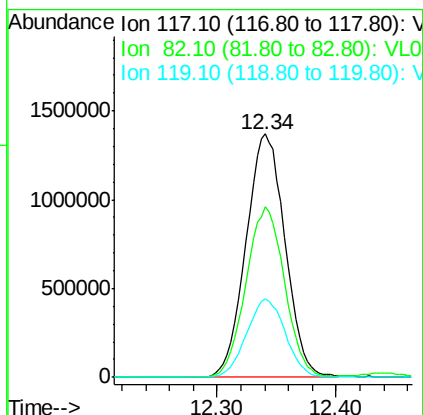
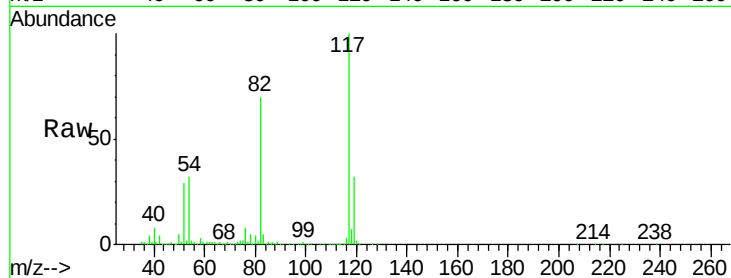
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. -0.02 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Instrument :
MSVOA_L
ClientSampled :
SS-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.3	47.8	71.8
119	32.3	43.3	64.9#

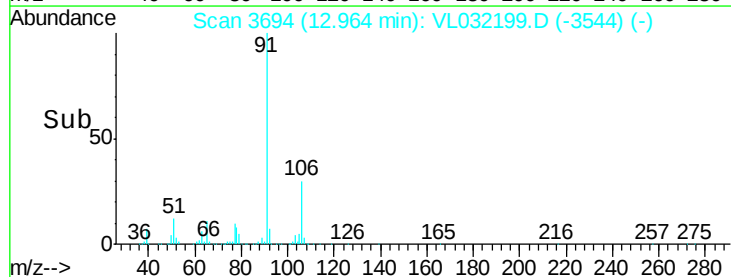
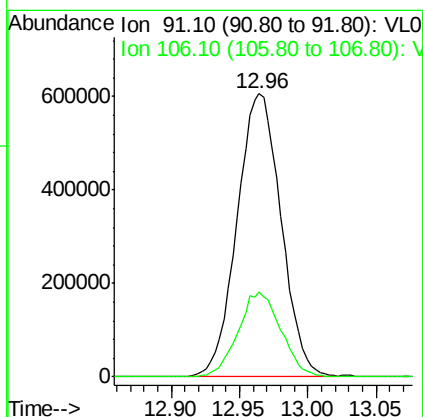
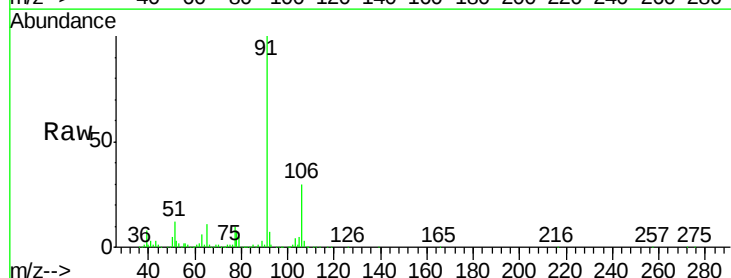
Manual Integrations
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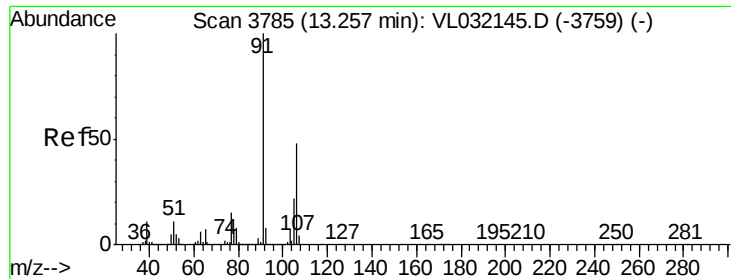
MMDadoda
7/3/2018 5:17:25 PM



#58
Ethyl Benzene
Concen: 2.69 ppbv
RT: 12.96 min Scan# 3694
Delta R.T. -0.02 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	26.5	39.7





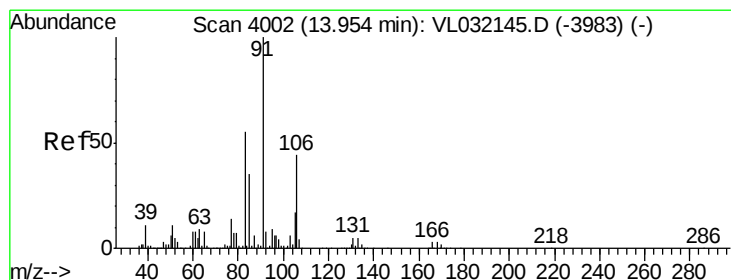
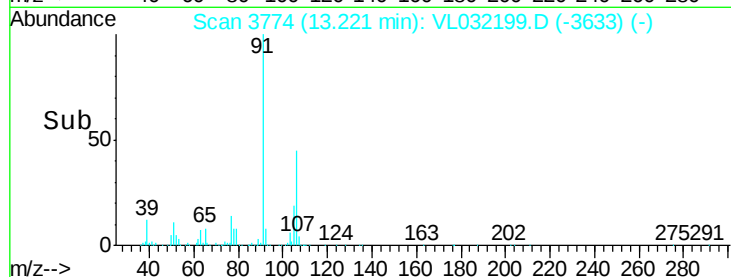
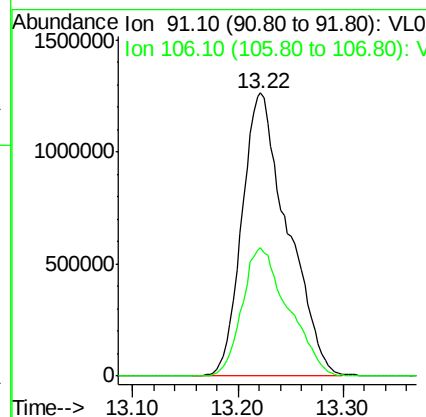
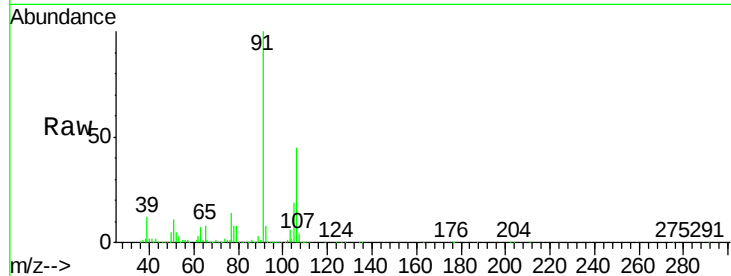
#59
m/p-Xylene
Concen: 9.42 ppbv
RT: 13.22 min Scan# 3774
Delta R.T. -0.05 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Instrument :
MSVOA_L
ClientSampled :
SS-2

Tot Ion: 91 Resp: 3787606
Ion Ratio Lower Upper
91 100
106 46.1 38.6 58.0

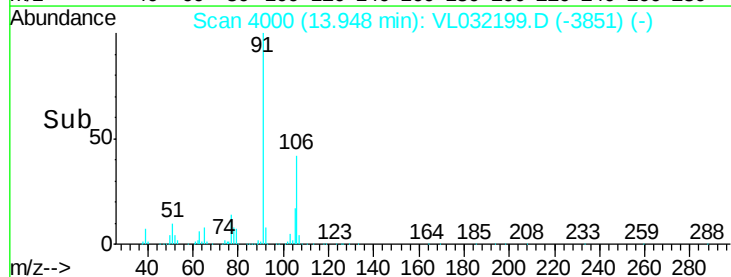
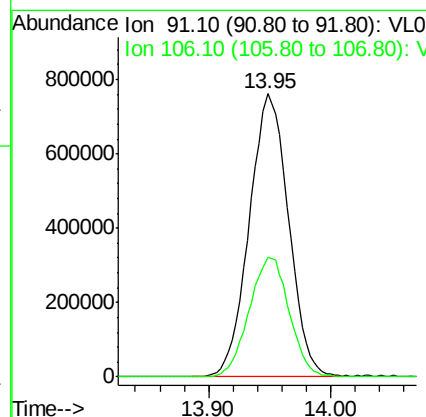
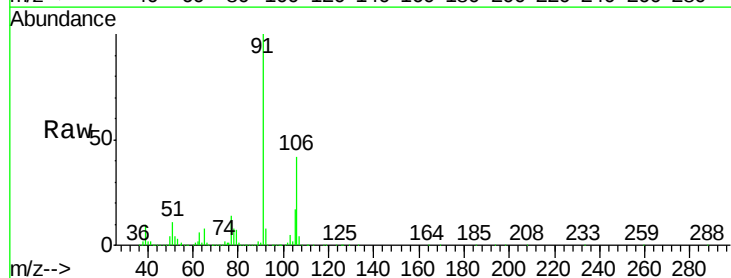
Manual Integrations
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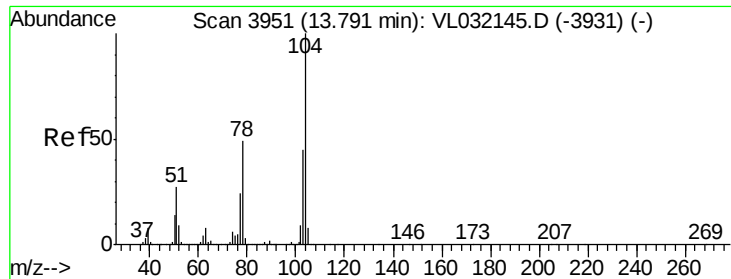
MMDadoda
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#60
o-Xylene
Concen: 4.21 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. -0.02 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Tgt Ion: 91 Resp: 1686757
Ion Ratio Lower Upper
91 100
106 43.2 23.3 69.8





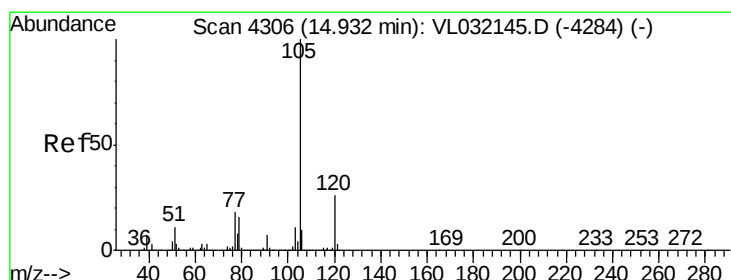
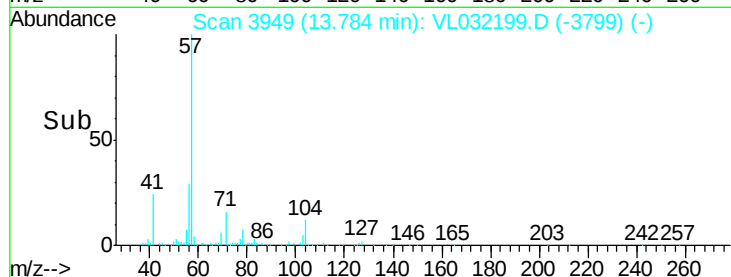
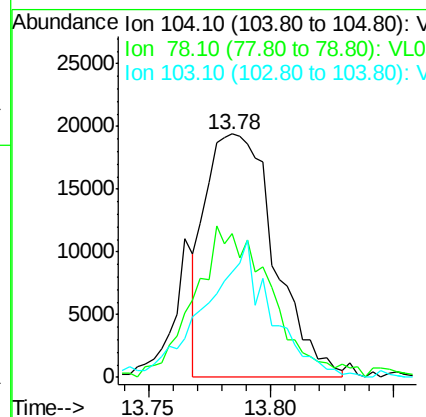
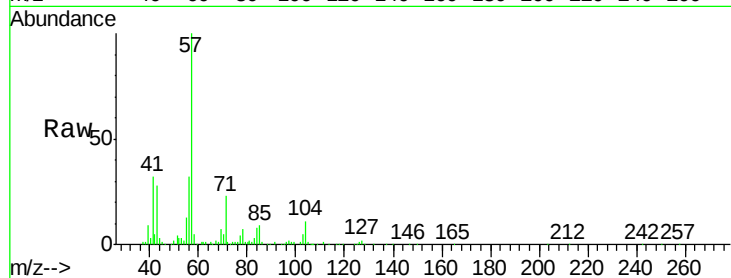
#61
Stvrene
Concen: 0.12 ppbv
RT: 13.78 min Scan# 3949
Delta R.T. -0.02 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Instrument :
MSVOA_L
ClientSampled :
SS-2

Tot Ion	Ratio	Lower	Upper
104	100		
78	70.3	37.9	56.9#
103	54.7	36.6	55.0

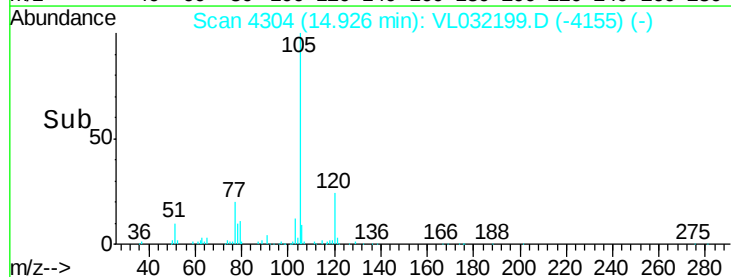
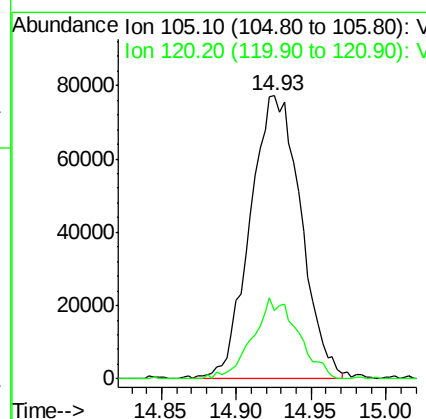
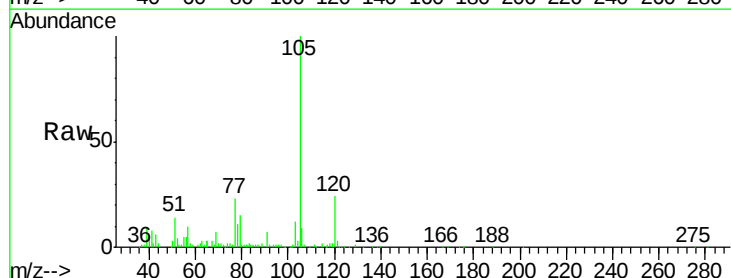
Manual Integrations
APPROVED

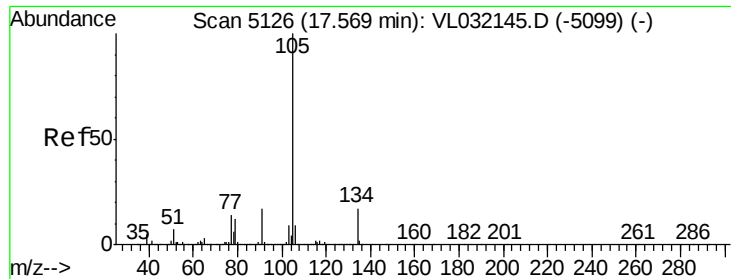
MMDadoda
7/3/2018 5:17:25 PM



#62
Isopropylbenzene
Concen: 0.30 ppbv
RT: 14.93 min Scan# 4304
Delta R.T. -0.02 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.0	31.4





#67

sec-Butylbenzene

Concen: 0.11 ppbv

RT: 17.56 min Scan# 5122

Delta R.T. -0.02 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Instrument :

MSVOA_L

ClientSampled :

SS-2

Tot Ion: 105 Resp: 84575

Ion Ratio Lower Upper

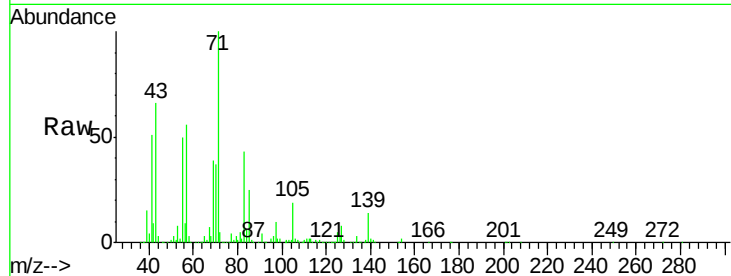
105 100

134 19.3 14.7 22.1

Manual Integrations
APPROVED

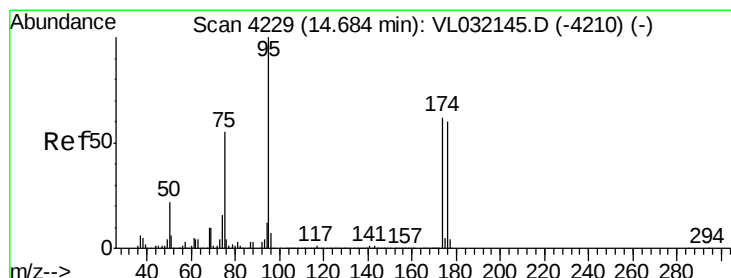
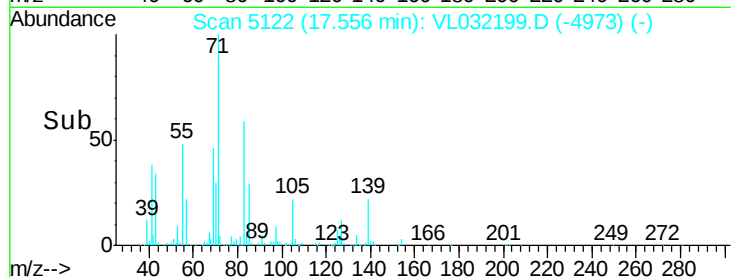
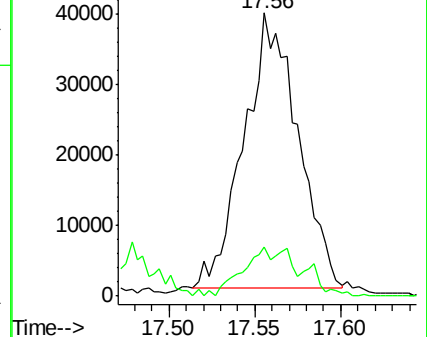
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.99 ppbv

RT: 14.68 min Scan# 4227

Delta R.T. -0.02 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

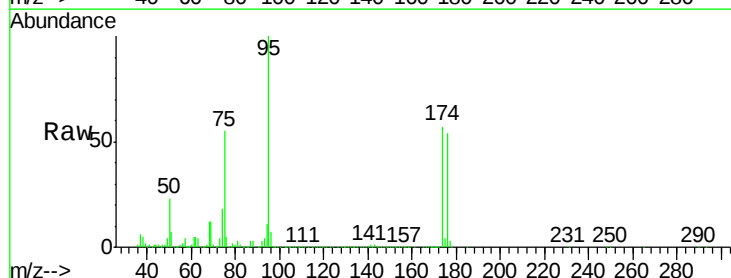
Tgt Ion: 95 Resp: 2377312

Ion Ratio Lower Upper

95 100

174 56.0 52.1 78.1

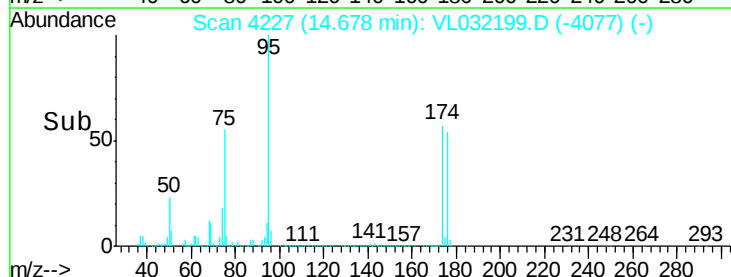
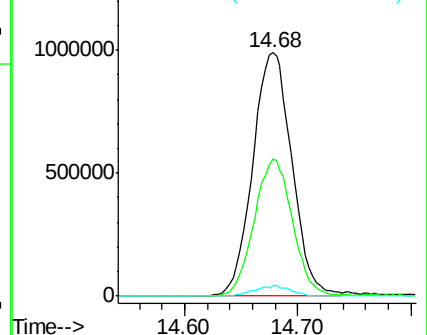
175 4.2 4.0 6.0

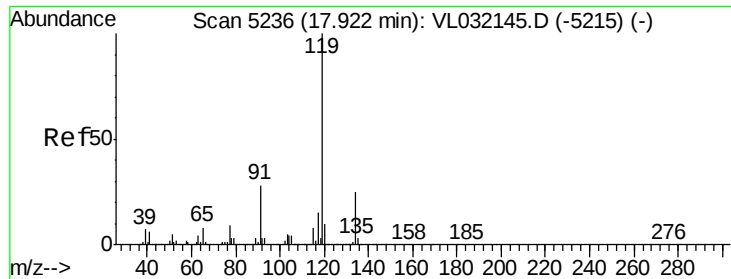


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





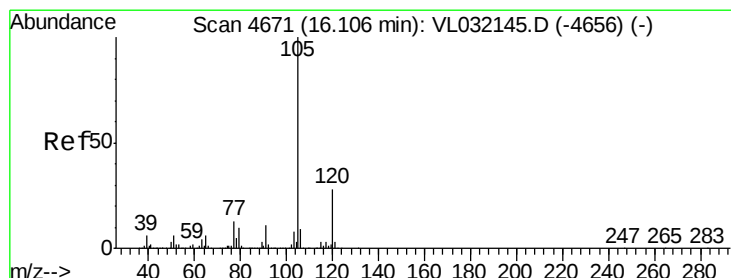
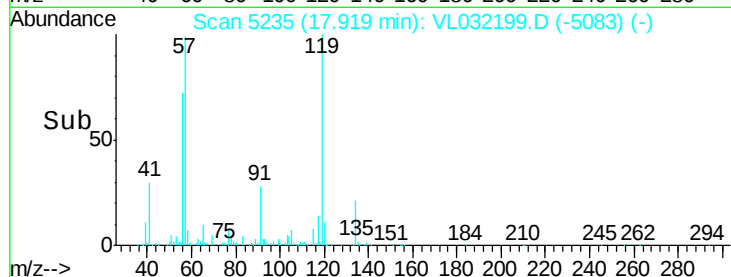
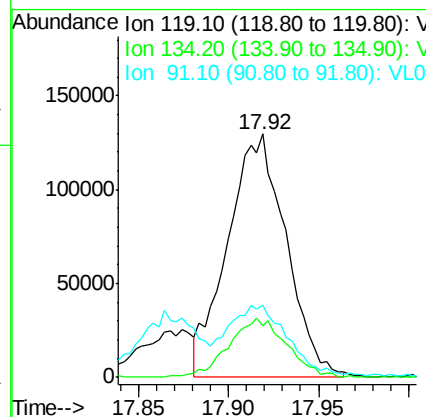
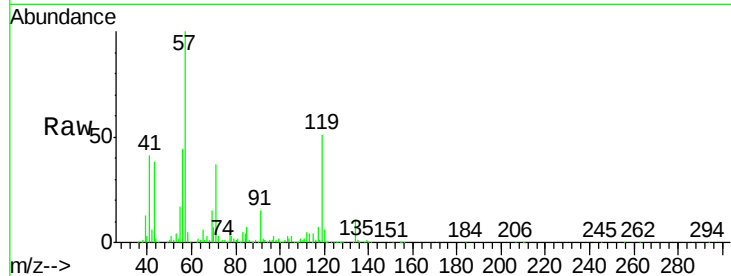
#69
p-Isopropyltoluene
Concen: 0.46 ppbv m
RT: 17.92 min Scan# 5235
Delta R.T. -0.01 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Instrument :
MSVOA_L
ClientSampleId :
SS-2

Tot Ion	Ratio	Resp	Lower	Upper
119	100	292834		
134	23.9		20.7	31.1
91	30.7		21.8	32.8

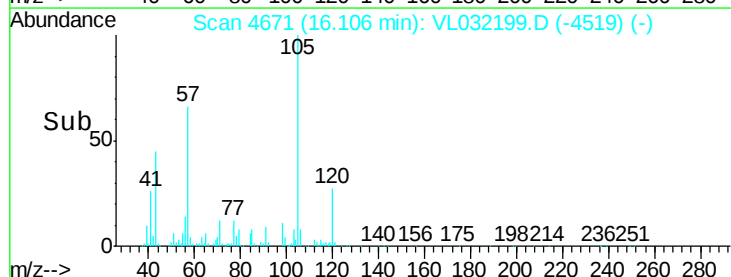
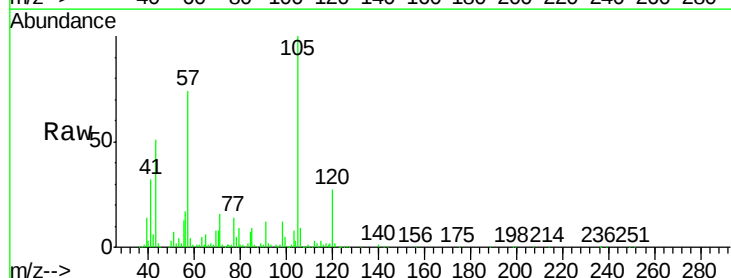
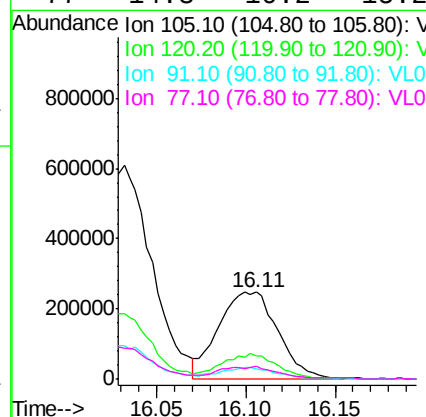
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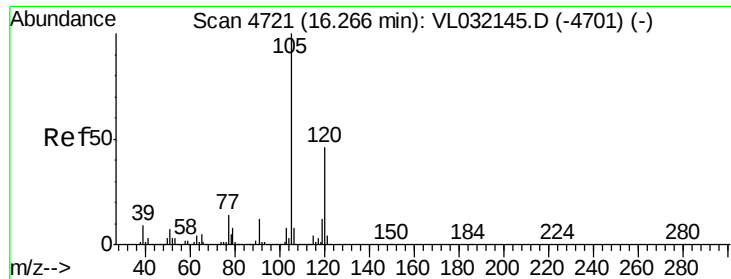
MMDadoda
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#72
4-Ethyltoluene
Concen: 1.09 ppbv
RT: 16.11 min Scan# 4671
Delta R.T. -0.01 min
Lab File: VL032199.D
Acq: 3 Jul 2018 2:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	563754		
120	28.7		24.3	36.5
91	13.1		9.4	14.0
77	14.3		10.2	15.2





#73

1,3,5-Trimethylbenzene

Concen: 1.86 ppbv

RT: 16.26 min Scan# 4719

Delta R.T. -0.02 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Instrument :

MSVOA_L

ClientSampled :

SS-2

Tot Ion:105 Resp: 906043

Ion Ratio Lower Upper

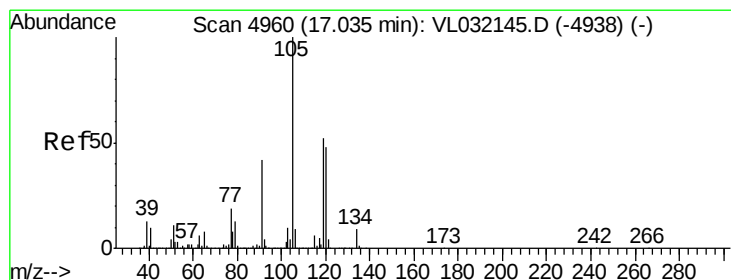
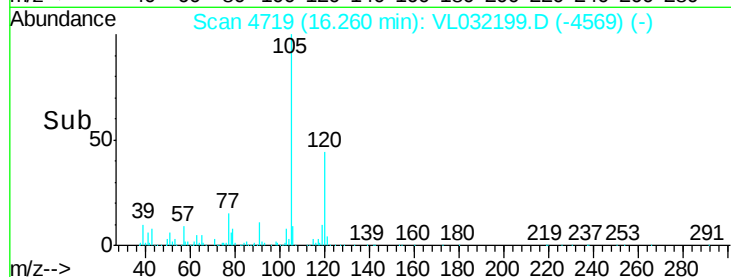
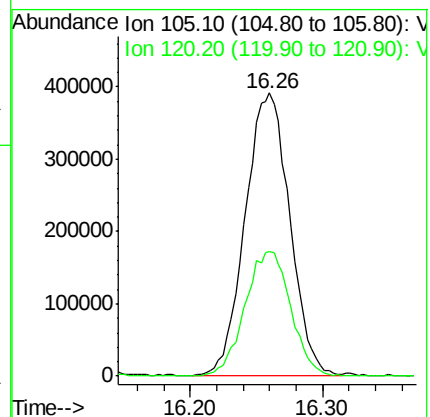
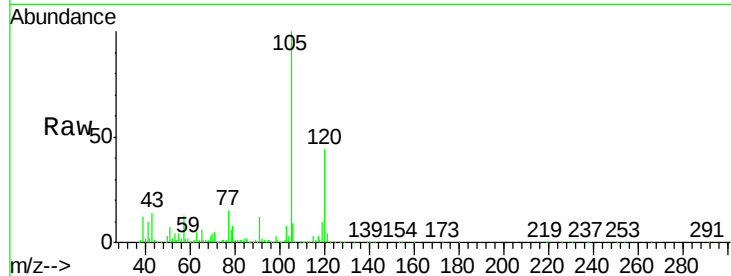
105 100

120 44.0 38.6 57.8

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 4.74 ppbv

RT: 17.03 min Scan# 4957

Delta R.T. -0.02 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Tgt Ion:105 Resp: 2333442

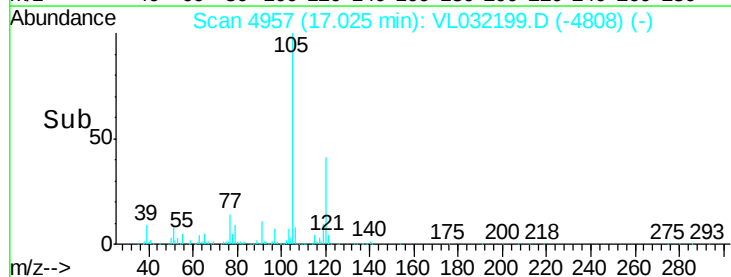
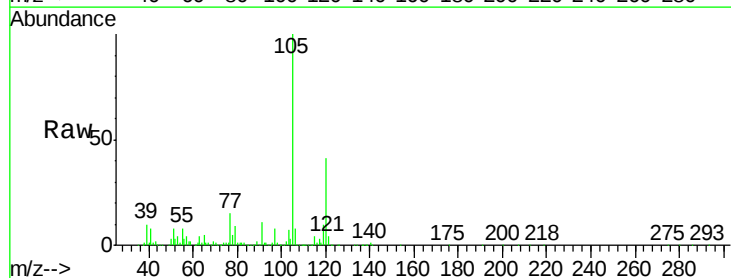
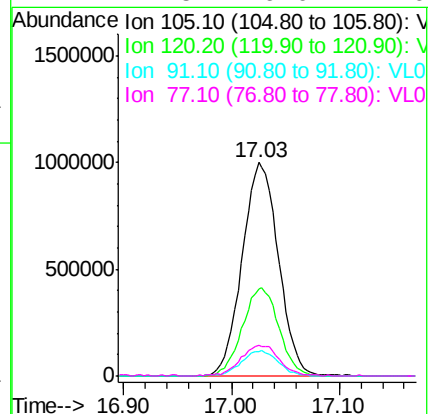
Ion Ratio Lower Upper

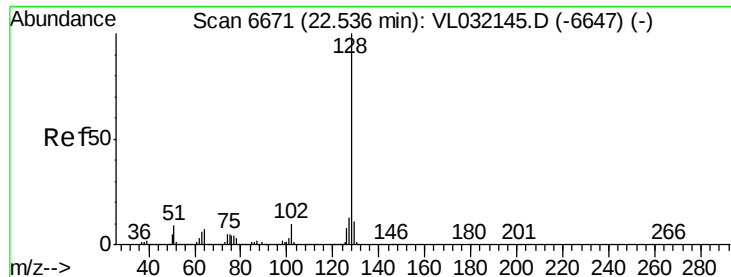
105 100

120 41.0 38.8 58.2

91 11.1 33.6 50.4#

77 14.5 16.0 24.0#





#79

Naphthalene

Concen: 0.83 ppbv m

RT: 22.54 min Scan# 6671

Delta R.T. -0.02 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Instrument :

MSVOA_L

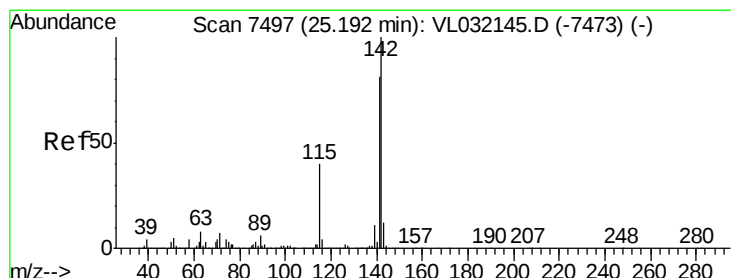
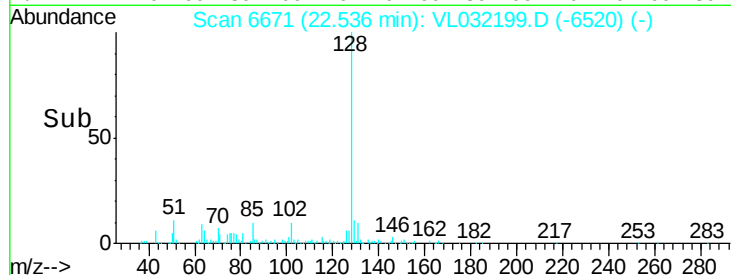
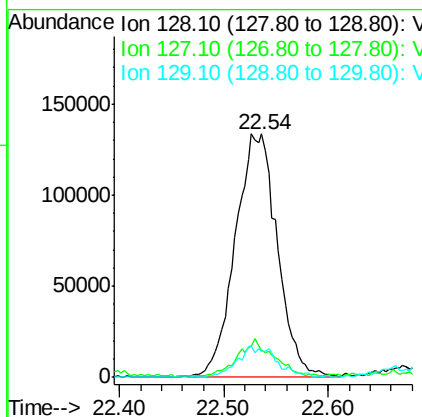
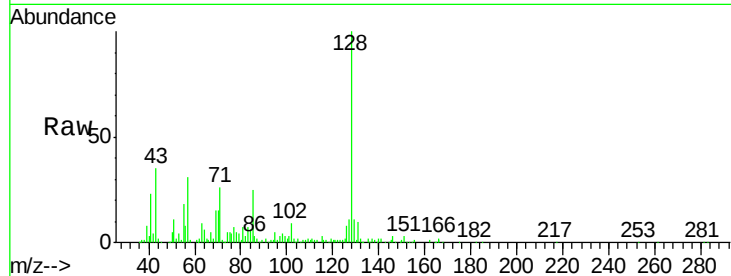
ClientSampleId :

SS-2

Tot Ion:	128	Resp:	373309
Ion Ratio	Lower	Upper	
128	100		
127	11.1	10.5	15.7
129	10.8	9.0	13.6

Manual Integrations
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#80

Naphthalene, 2-methyl-

Concen: 0.80 ppbv

RT: 25.19 min Scan# 7497

Delta R.T. -0.01 min

Lab File: VL032199.D

Acq: 3 Jul 2018 2:25

Tgt Ion:	142	Resp:	128505
Ion Ratio	Lower	Upper	
142	100		
141	88.7	65.8	98.6
115	52.2	29.4	44.0#

