

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032639.D
 Acq On : 17 Oct 2018 13:50
 Operator : SY/AP
 Sample : J5500-02 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVI

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 4:36:35 PM

Quant Time: Oct 19 02:16:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Oct 1
 QLast Update : Wed Oct 17 08:55:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1280616	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.33	114	2835270	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.27	117	2926239	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2253512	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Chloroethane	3.62	64	3734	0.16	ppbv	96
9) Propene	3.05	41	1578423	40.18	ppbv	90
10) Heptane	8.28	43	666271	4.53	ppbv	98
13) Ethanol	3.68	45	823621	67.76	ppbv	98
15) Acetone	3.95	43	3877260	34.02	ppbv	94
17) tert-Butyl alcohol	4.40	59	126697	12.18	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	778817	14.34	ppbv	99
19) Isopropyl Alcohol	4.06	45	495731	6.16	ppbv #	1
20) Methylene Chloride	4.43	84	194855	3.82	ppbv	93
26) Hexane	5.80	57	800714	6.59	ppbv #	43
27) Carbon Disulfide	4.64	76	148613	1.01	ppbv	95
29) Chloroform	5.87	83	37881010m	177.94	ppbv	
30) Cyclohexane	7.28	84	192491	2.01	ppbv #	27
31) cis-1,2-Dichloroethene	5.67	61	86167	0.74	ppbv	97
32) 1,1,1-Trichloroethane	6.66	97	9701m	0.05	ppbv	
34) 2-Butanone	5.37	43	1644283	10.45	ppbv	100
35) Carbon Tetrachloride	7.18	117	24679946	112.32	ppbv #	90
36) Benzene	7.05	78	3451379	15.02	ppbv	99
38) Trichloroethene	8.00	130	878572	10.17	ppbv	97
50) 4-Methyl-2-Pentanone	8.90	43	266622	1.15	ppbv	94
51) 2-Hexanone	10.30	43	247456	1.36	ppbv #	83
52) Tetrachloroethene	11.40	164	74848	0.99	ppbv	98
53) Toluene	9.98	91	3323792	12.69	ppbv	100
58) Ethyl Benzene	12.89	91	450690	1.37	ppbv	96
59) m/p-Xylene	13.14	91	763183	2.60	ppbv	97
60) o-Xylene	13.87	91	287574	0.98	ppbv	99
61) Styrene	13.70	104	99947m	0.56	ppbv	
72) 4-Ethyltoluene	16.03	105	60521	0.19	ppbv	97
73) 1,3,5-Trimethylbenzene	16.18	105	52934m	0.17	ppbv	
74) 1,2,4-Trimethylbenzene	16.95	105	160412	0.46	ppbv #	79
79) Naphthalene	22.44	128	20614m	0.09	ppbv	

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

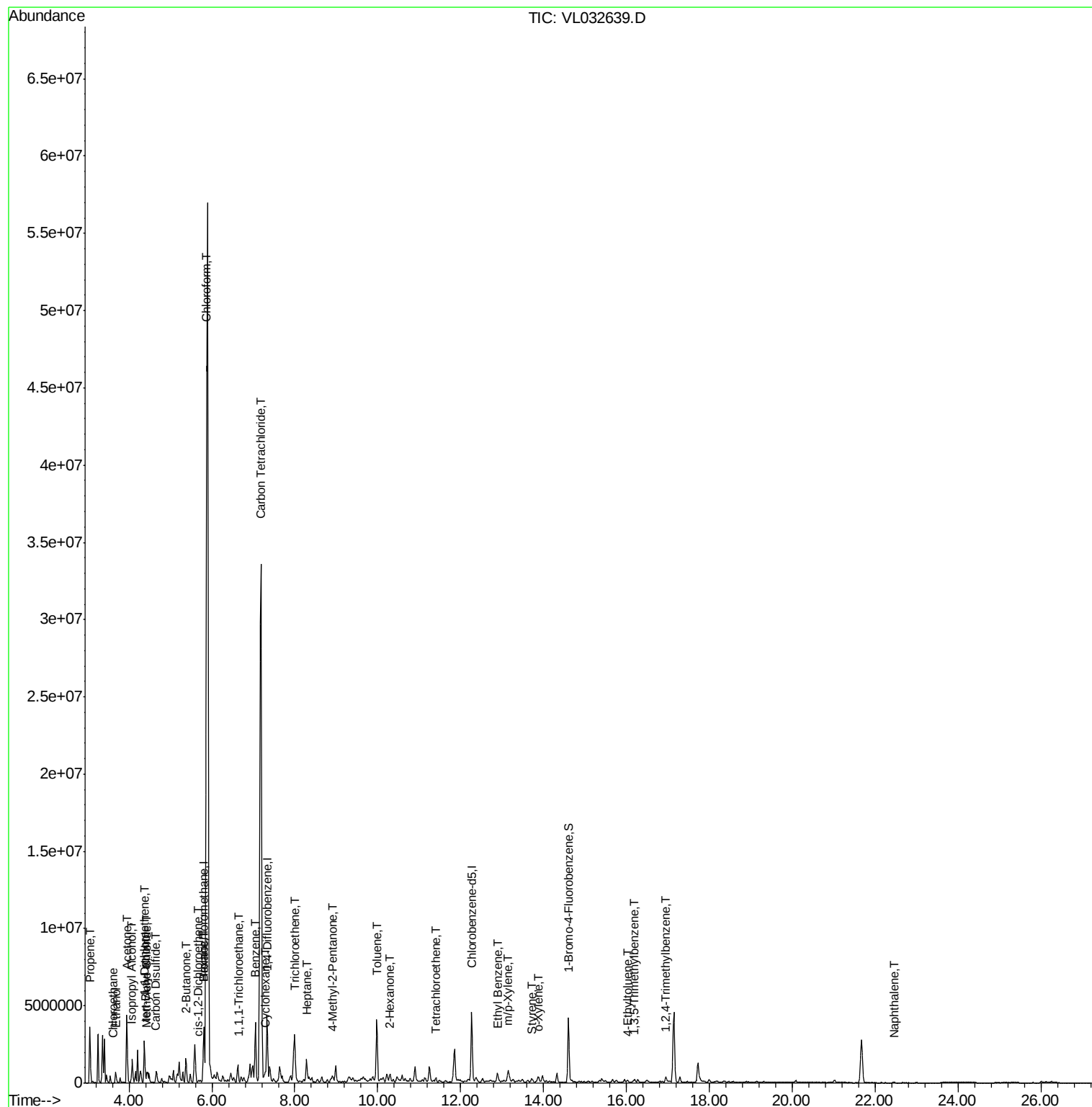
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032639.D
Acq On : 17 Oct 2018 13:50
Operator : SY/AP
Sample : J5500-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

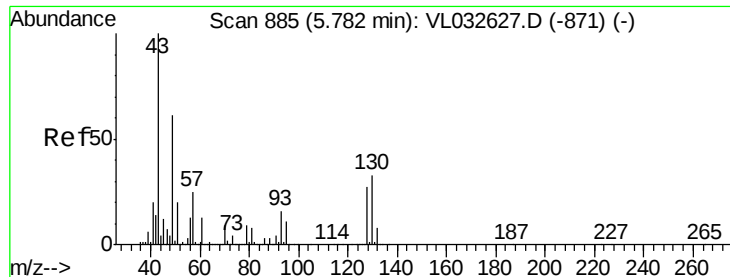
Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Manual Integrations
APPROVED

MMDadoda
10/19/2018 4:36:35 PM

Quant Time: Oct 19 02:16:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.80 min Scan# 892

Delta R.T. 0.02 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

Tgt Ion: 49 Resp: 1280616

Ion Ratio Lower Upper

49 100

128 44.0 22.3 66.8

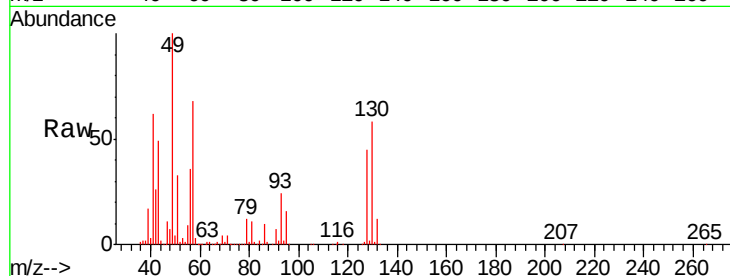
130 56.4 28.4 85.3

Manual Integrations

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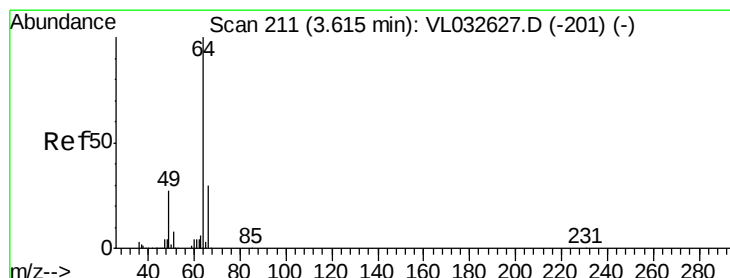
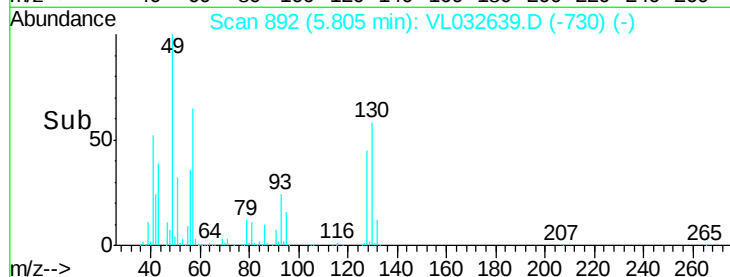
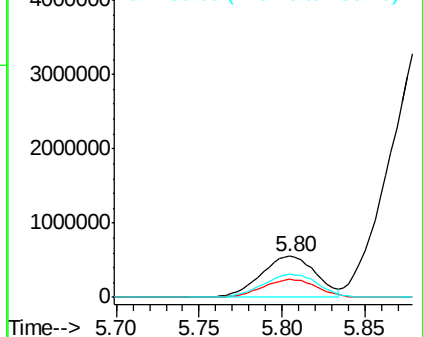
10/19/2018 4:36:35 PM



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



#7

Chloroethane

Concen: 0.16 ppbv

RT: 3.62 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL032639.D

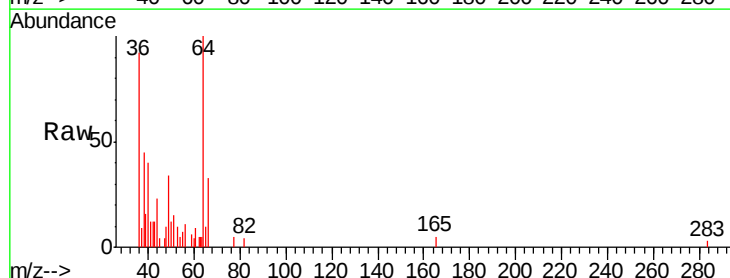
Acq: 17 Oct 2018 13:50

Tgt Ion: 64 Resp: 3734

Ion Ratio Lower Upper

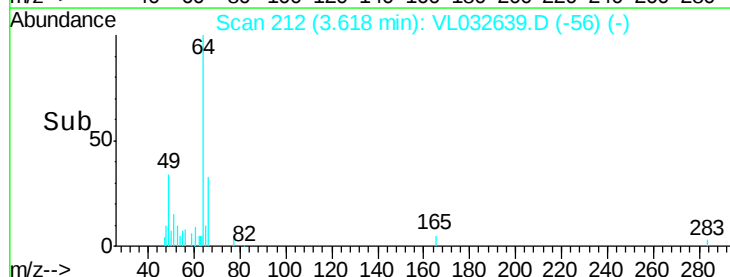
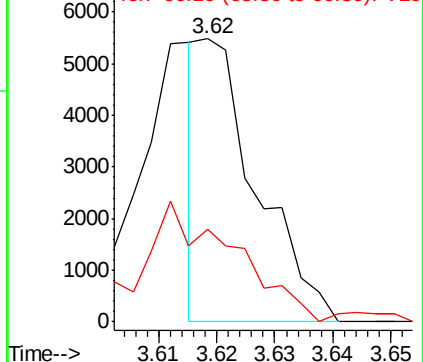
64 100

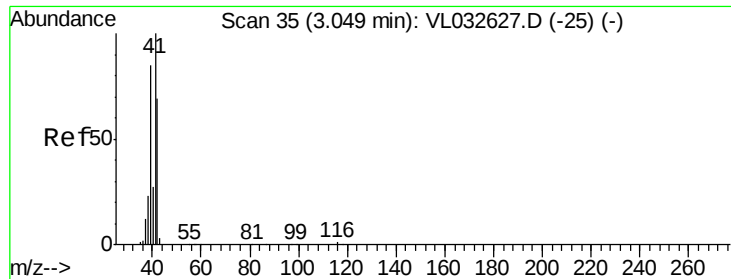
66 32.8 24.4 36.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#9

Propene

Concen: 40.18 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.00 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

Tgt Ion: 41 Resp: 1578423

Ion Ratio Lower Upper

41 100

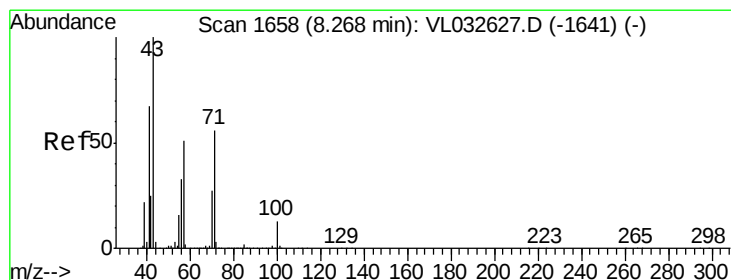
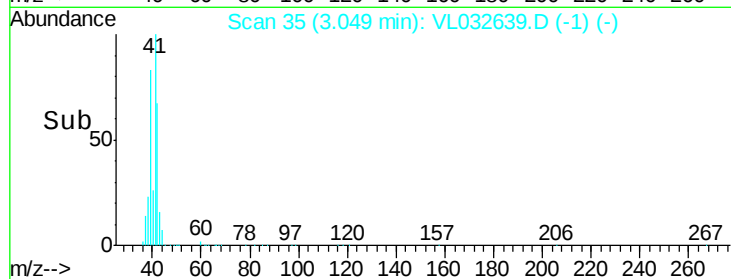
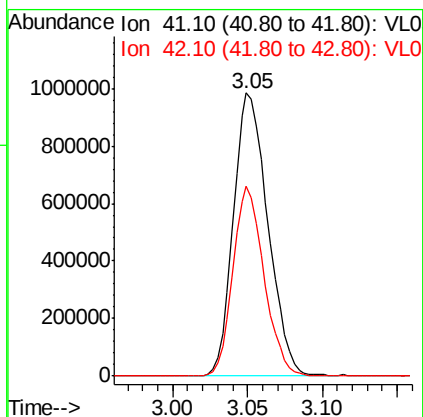
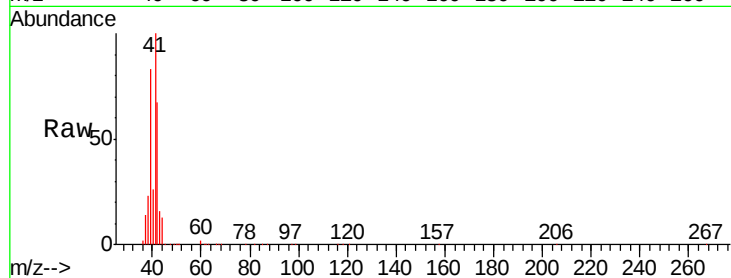
42 60.8 55.4 83.0

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#10

Heptane

Concen: 4.53 ppbv

RT: 8.28 min Scan# 1663

Delta R.T. 0.02 min

Lab File: VL032639.D

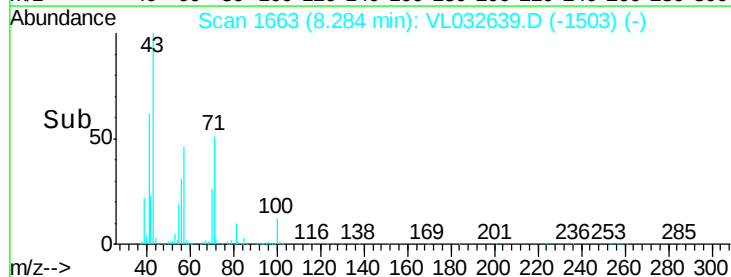
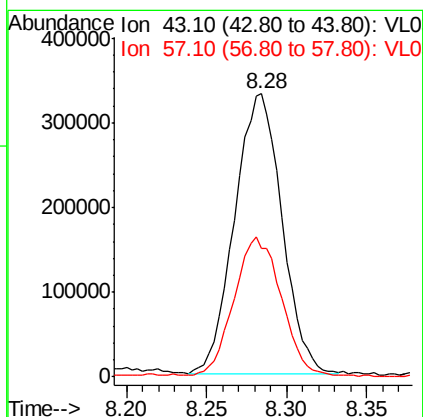
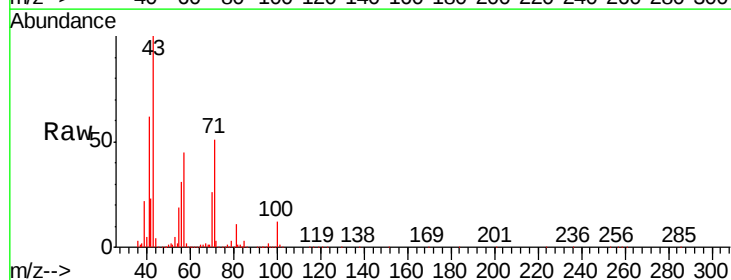
Acq: 17 Oct 2018 13:50

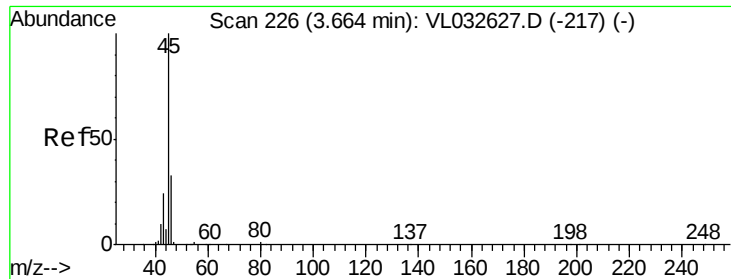
Tgt Ion: 43 Resp: 666271

Ion Ratio Lower Upper

43 100

57 50.2 41.5 62.3





#13

Ethanol

Concen: 67.76 ppbv

RT: 3.68 min Scan# 231

Delta R.T. 0.02 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

Tgt Ion: 45 Resp: 823621

Ion Ratio Lower Upper

45 100

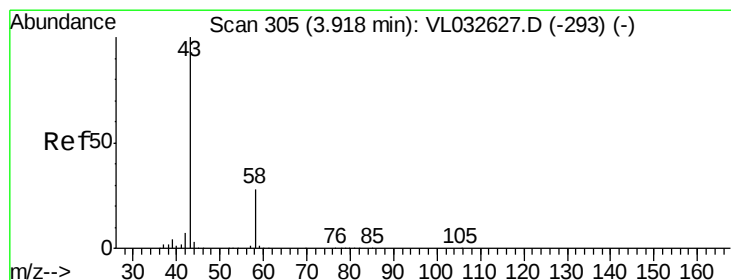
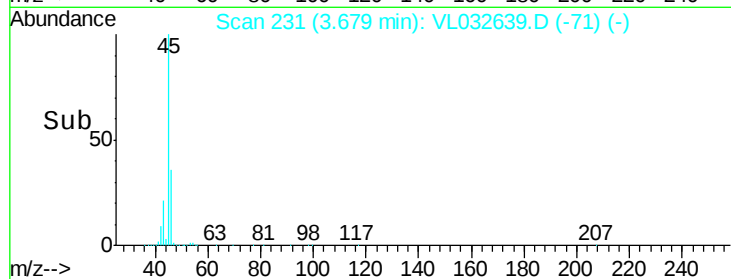
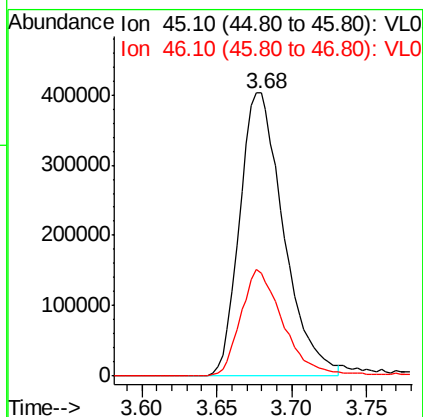
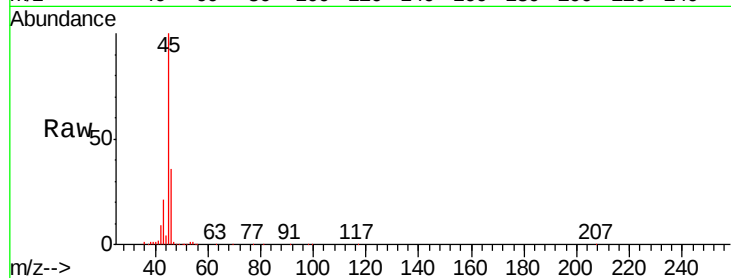
46 37.4 15.4 61.8

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#15

Acetone

Concen: 34.02 ppbv

RT: 3.95 min Scan# 315

Delta R.T. 0.03 min

Lab File: VL032639.D

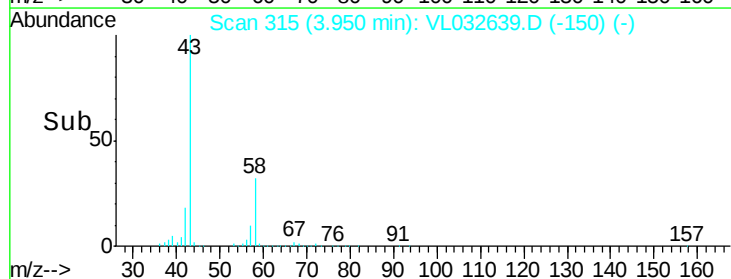
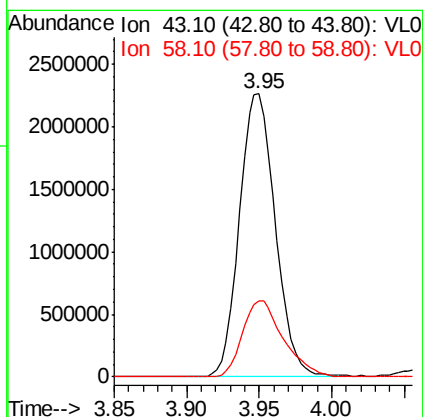
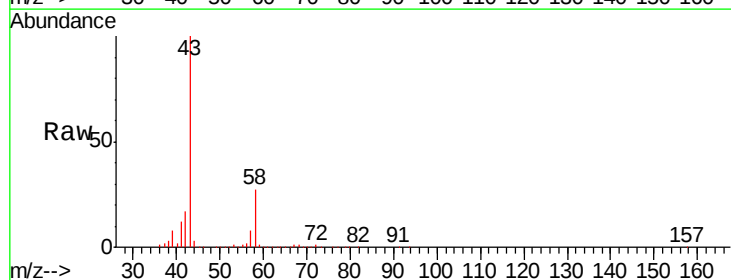
Acq: 17 Oct 2018 13:50

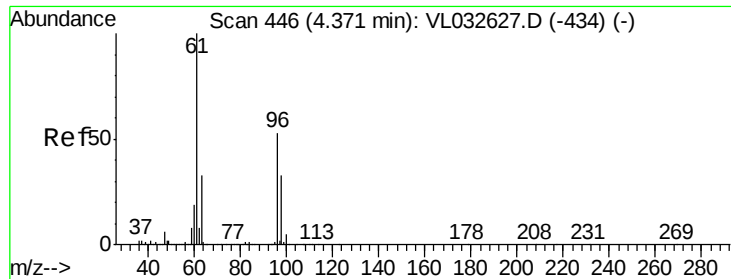
Tgt Ion: 43 Resp: 3877260

Ion Ratio Lower Upper

43 100

58 30.9 22.1 33.1





#17

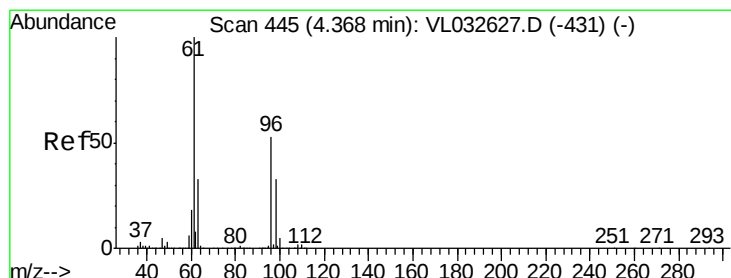
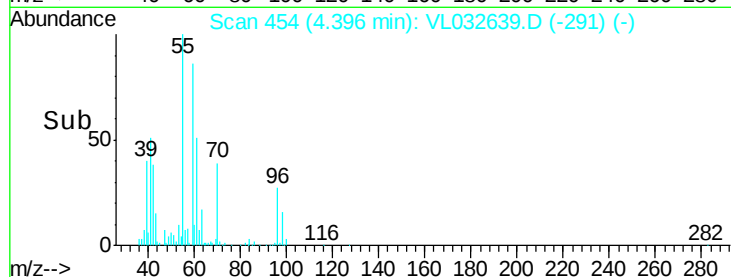
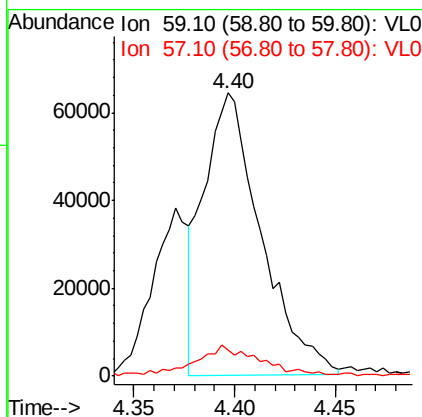
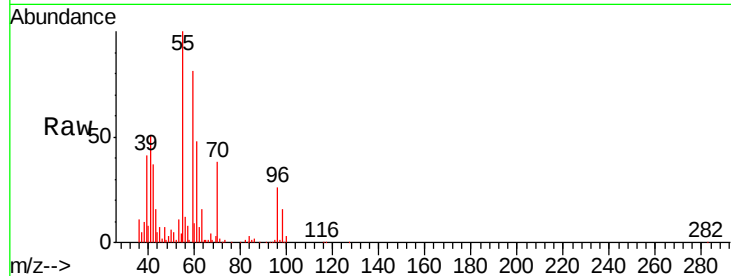
tert-Butyl alcohol
Concen: 12.18 ppbv
RT: 4.40 min Scan# 454
Delta R.T. 0.03 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Tgt Ion: 59 Resp: 126697
Ion Ratio Lower Upper
59 100
57 13.8 0.0 0.0#

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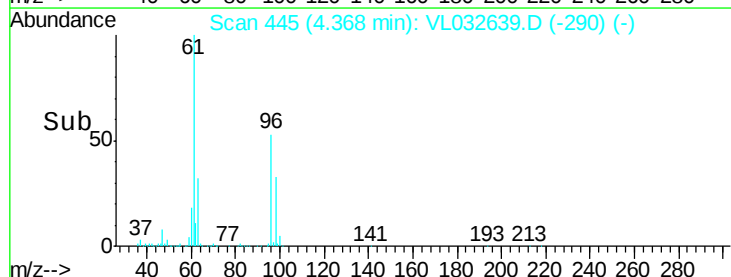
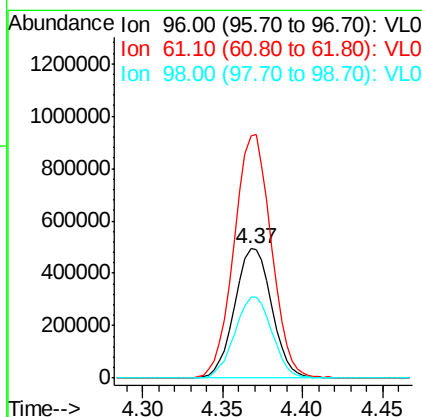
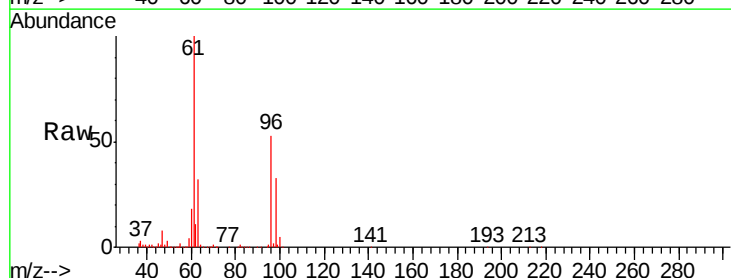
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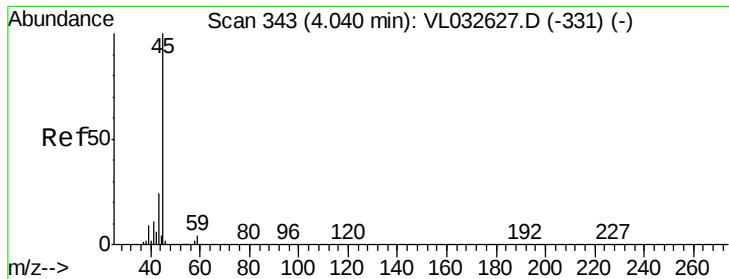


#18

1,1-Dichloroethene
Concen: 14.34 ppbv
RT: 4.37 min Scan# 445
Delta R.T. -0.00 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Tgt Ion: 96 Resp: 778817
Ion Ratio Lower Upper
96 100
61 187.6 151.6 227.4
98 62.6 50.6 75.8





#19

Isopropyl Alcohol

Concen: 6.16 ppbv

RT: 4.06 min Scan# 349

Delta R.T. 0.02 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

Tgt Ion: 45 Resp: 495731

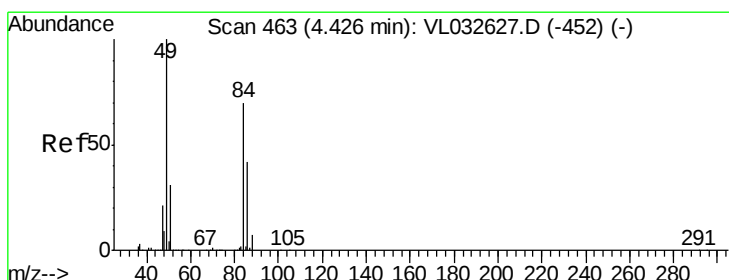
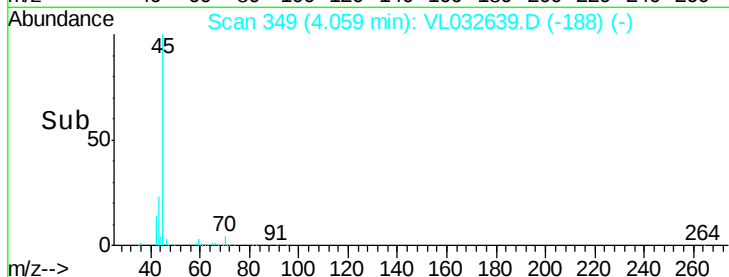
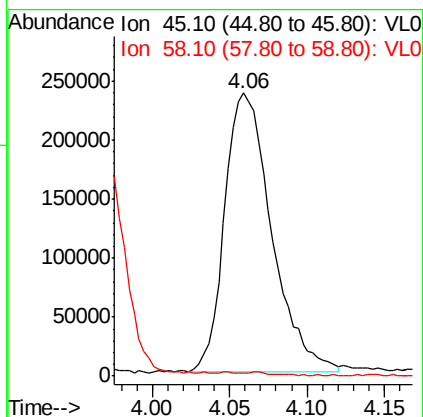
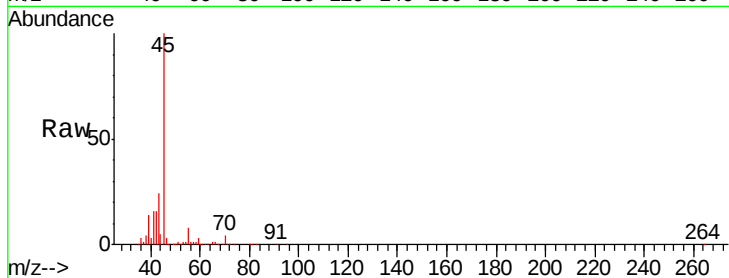
Ion Ratio Lower Upper

45 100

58 241.8 2.0 3.0#

Manual Integrations
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#20

Methylene Chloride

Concen: 3.82 ppbv

RT: 4.43 min Scan# 463

Delta R.T. -0.00 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Tgt Ion: 84 Resp: 194855

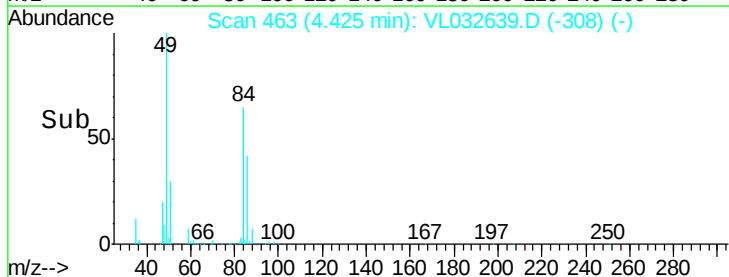
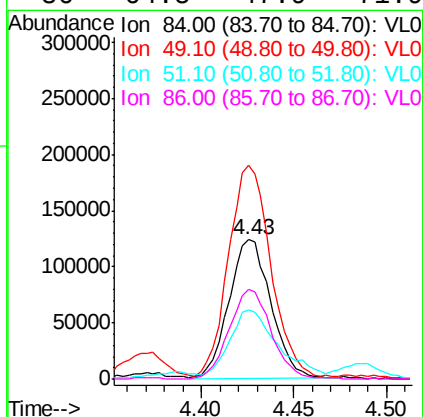
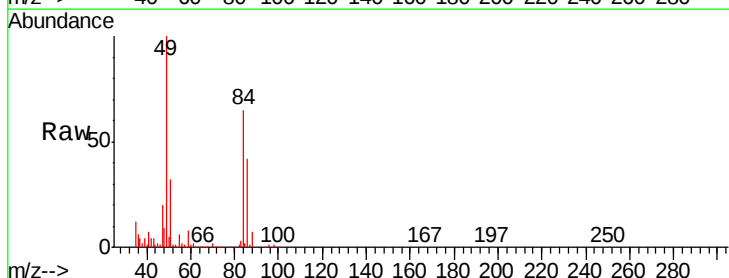
Ion Ratio Lower Upper

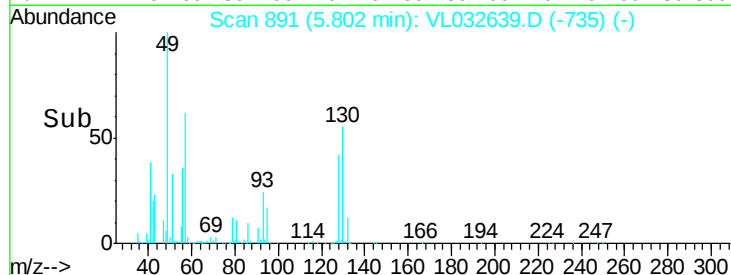
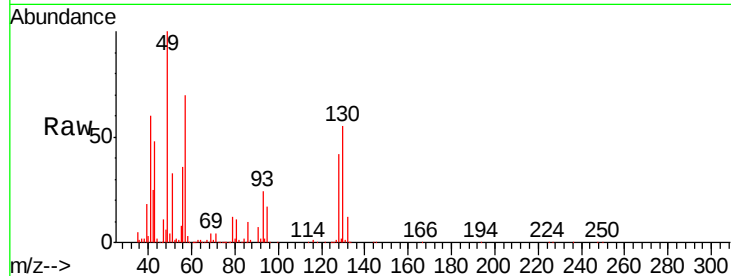
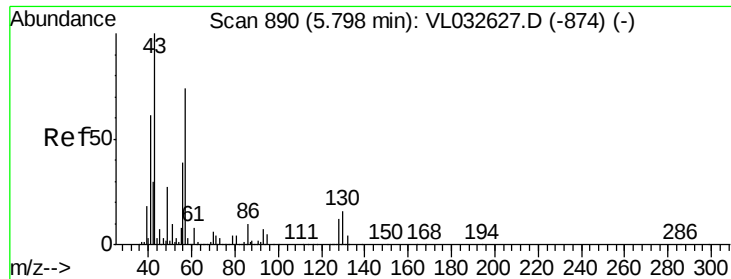
84 100

49 152.6 113.5 170.3

51 45.6 34.8 52.2

86 64.5 47.9 71.9





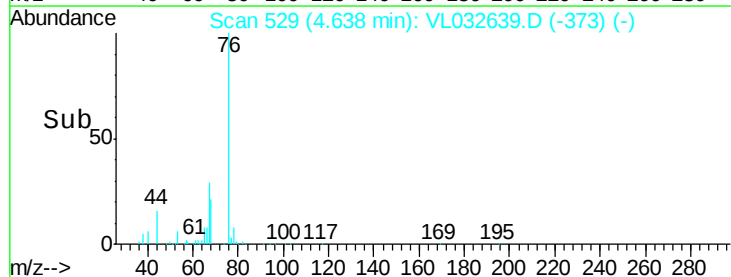
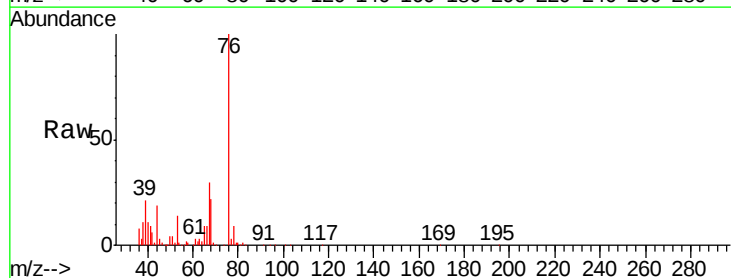
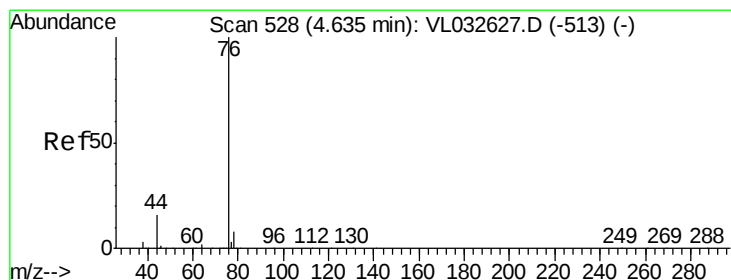
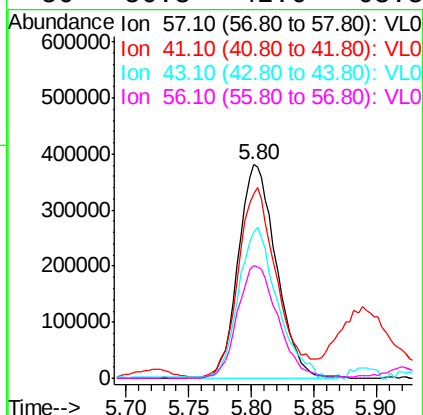
#26
Hexane
Concen: 6.59 ppbv
RT: 5.80 min Scan# 891
Delta R.T. 0.00 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.7	67.4	101.0
43	72.5	171.9	257.9#
56	56.3	42.6	63.8

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

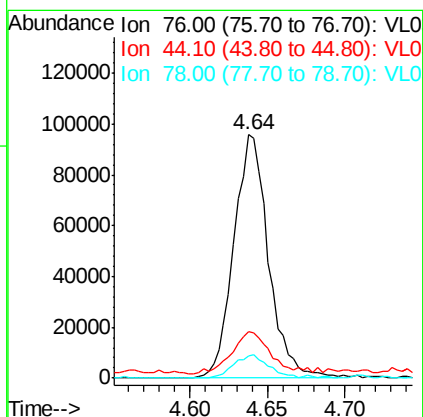
Manual Integrations
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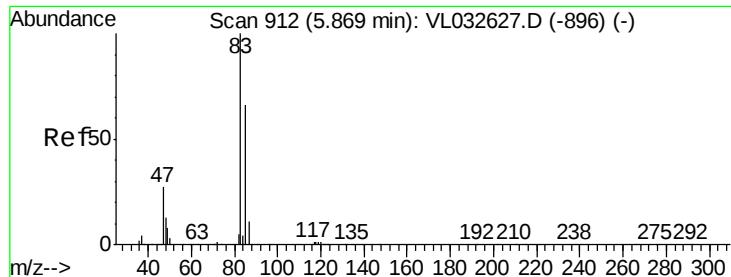
MMDadoda
10/19/2018 4:36:35 PM



#27
Carbon Disulfide
Concen: 1.01 ppbv
RT: 4.64 min Scan# 529
Delta R.T. 0.00 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Tgt Ion	Ratio	Lower	Upper
76	100		
44	20.0	13.7	20.5
78	10.0	7.4	11.2





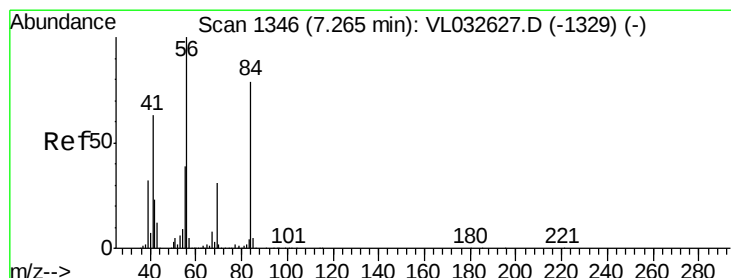
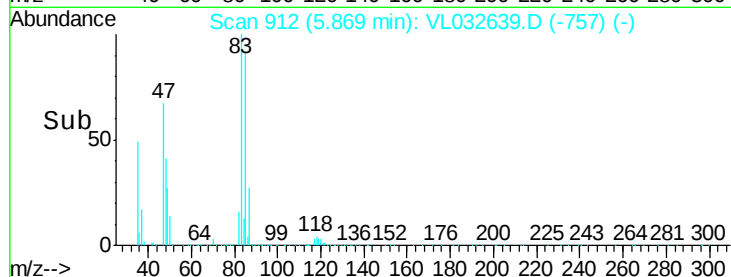
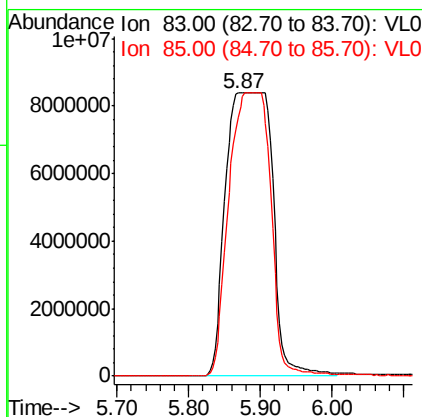
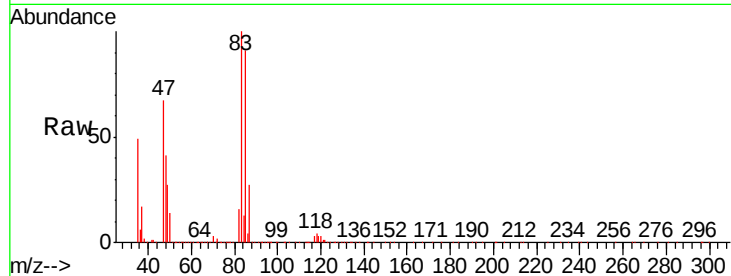
#29
Chloroform
Concen: 177.94 ppbv m
RT: 5.87 min Scan# 912
Delta R.T. -0.00 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Tgt Ion: 83 Resp: 37881010
Ion Ratio Lower Upper
83 100
85 91.3 53.0 79.6#

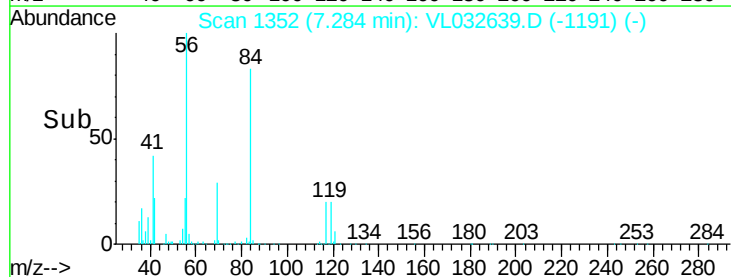
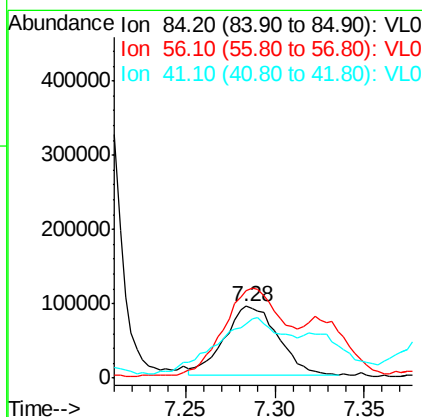
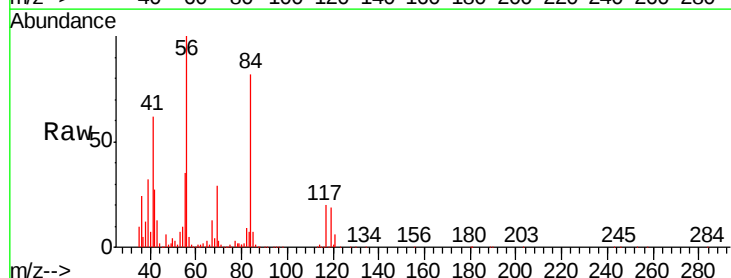
Manual Integrations
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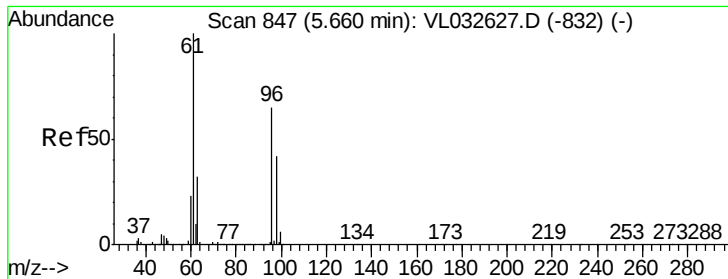
MMDadoda
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#30
Cyclohexane
Concen: 2.01 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. 0.02 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Tgt Ion: 84 Resp: 192491
Ion Ratio Lower Upper
84 100
56 210.7 108.3 162.5#
41 161.3 64.8 97.2#





#31

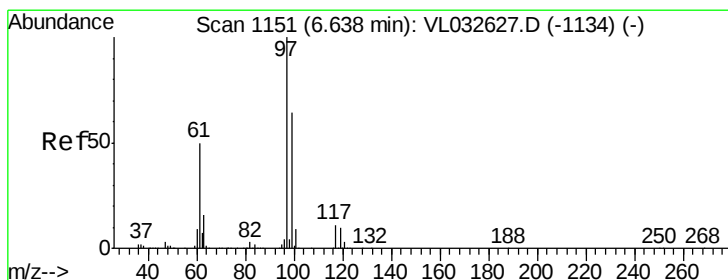
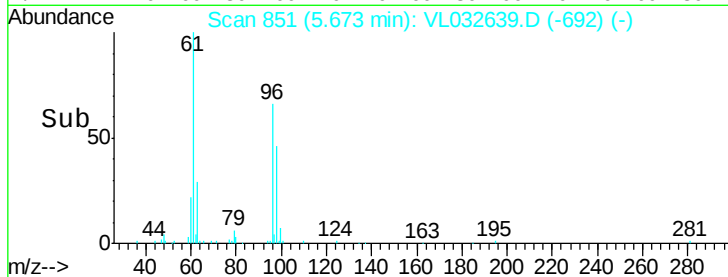
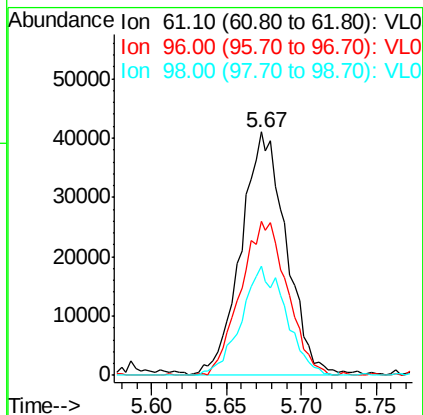
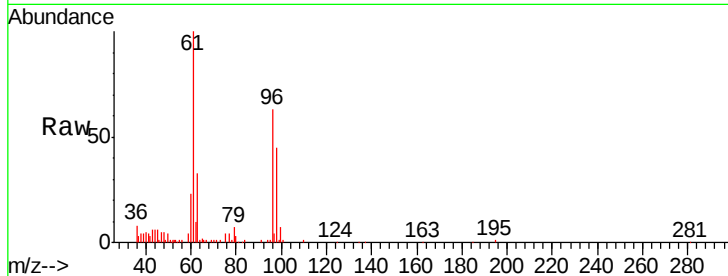
cis-1,2-Dichloroethene
 Concen: 0.74 ppbv
 RT: 5.67 min Scan# 851
 Delta R.T. 0.01 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVI

Tgt Ion	Ratio	Lower	Upper
61	100		
96	63.5	51.8	77.6
98	44.9	33.8	50.6

Manual Integrations
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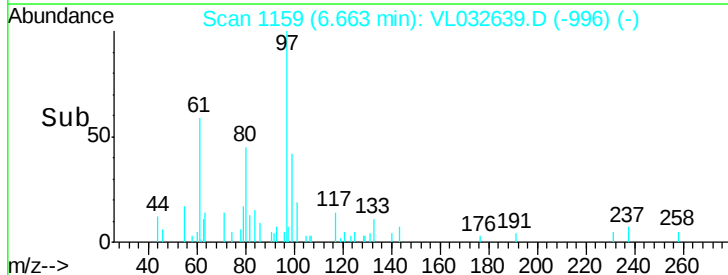
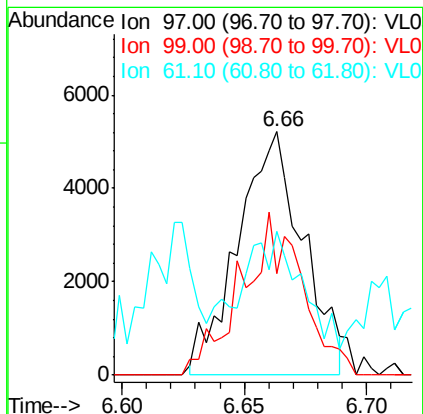
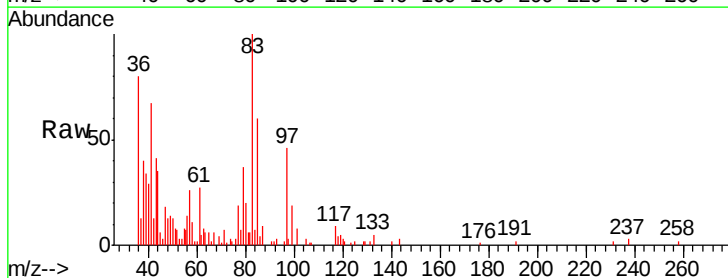
MMDadoda
 10/19/2018 4:36:35 PM

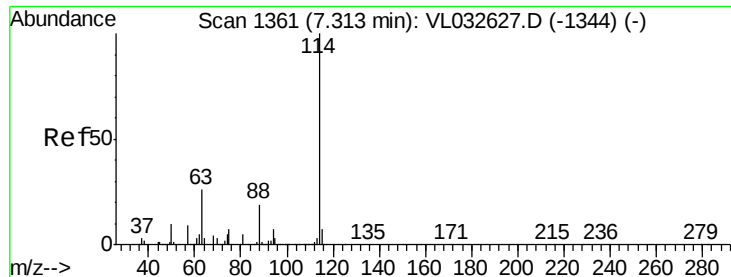


#32

1,1,1-Trichloroethane
 Concen: 0.05 ppbv m
 RT: 6.66 min Scan# 1159
 Delta R.T. 0.03 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.2	52.0	78.0
61	55.3	40.7	61.1





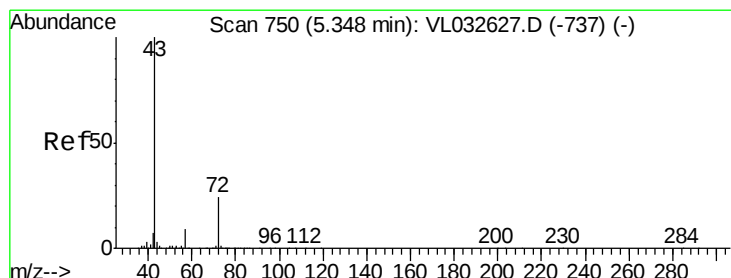
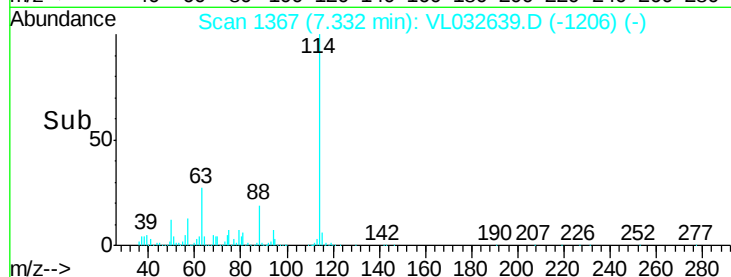
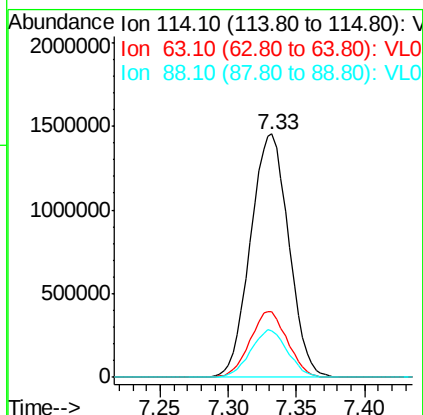
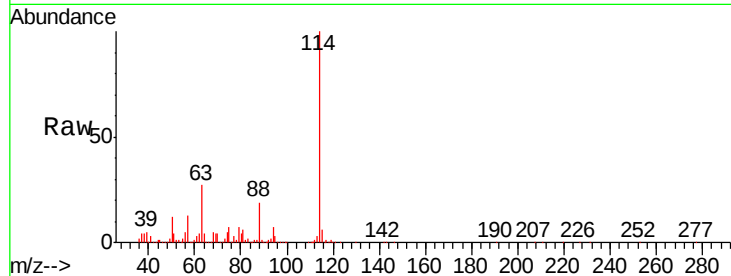
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.33 min Scan# 1367
 Delta R.T. 0.02 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVI

Tgt Ion: 114 Resp: 2835270
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.7 32.5
 88 18.8 14.9 22.3

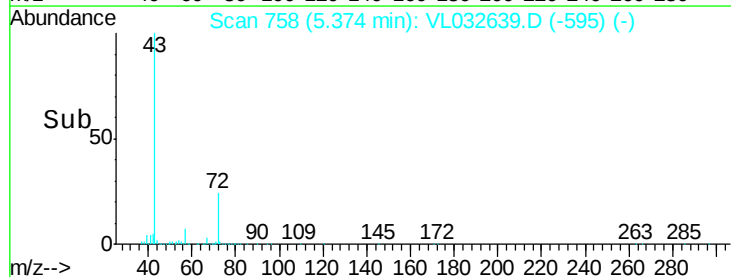
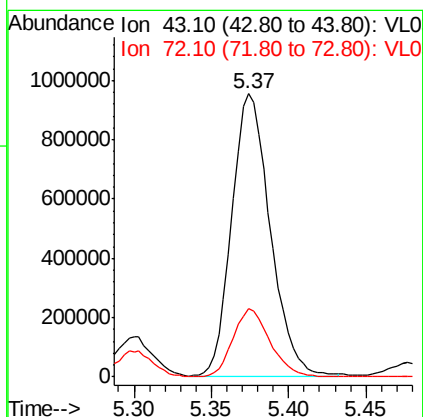
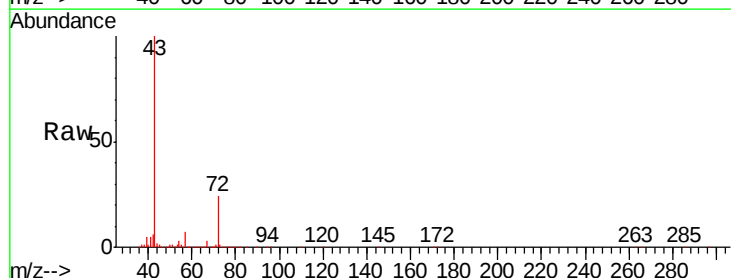
Manual Integrations
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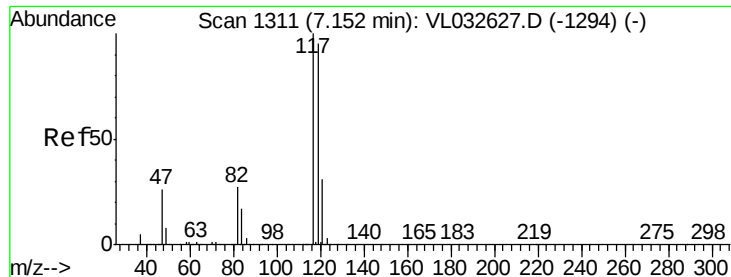
MMDadoda
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#34
 2-Butanone
 Concen: 10.45 ppbv
 RT: 5.37 min Scan# 758
 Delta R.T. 0.03 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Tgt Ion: 43 Resp: 1644283
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.6 27.8





#35

Carbon Tetrachloride

Concen: 112.32 ppbv

RT: 7.18 min Scan# 1319

Delta R.T. 0.03 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

Tgt Ion:117 Resp:24679946

Ion Ratio Lower Upper

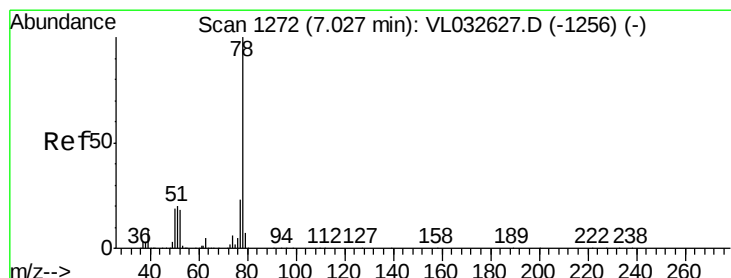
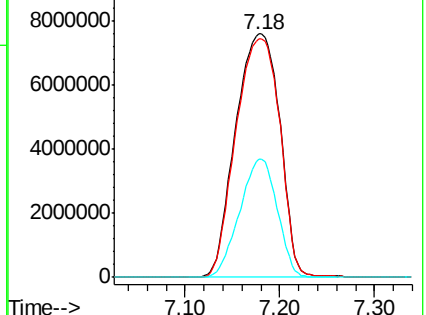
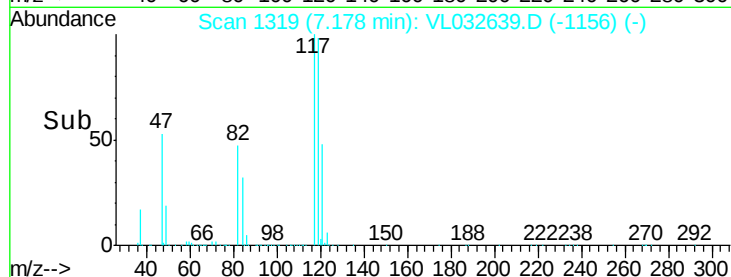
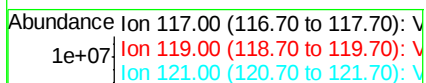
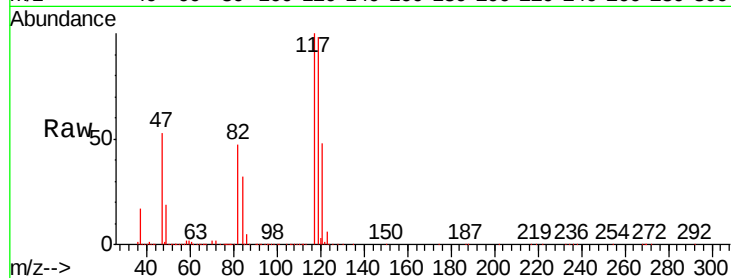
117 100

119 97.9 75.7 113.5

121 48.4 24.7 37.1#

Manual Integrations
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#36

Benzene

Concen: 15.02 ppbv

RT: 7.05 min Scan# 1279

Delta R.T. 0.02 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

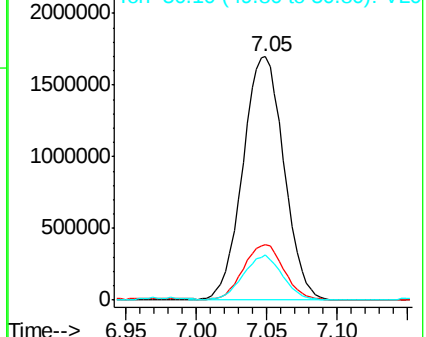
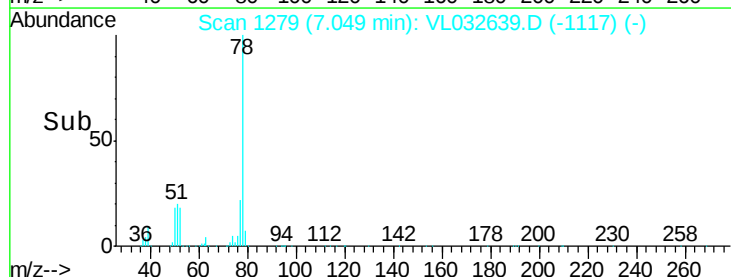
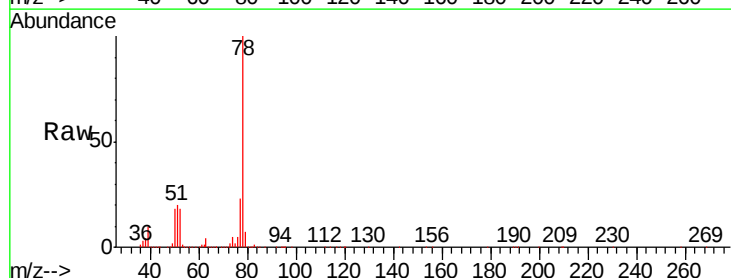
Tgt Ion: 78 Resp: 3451379

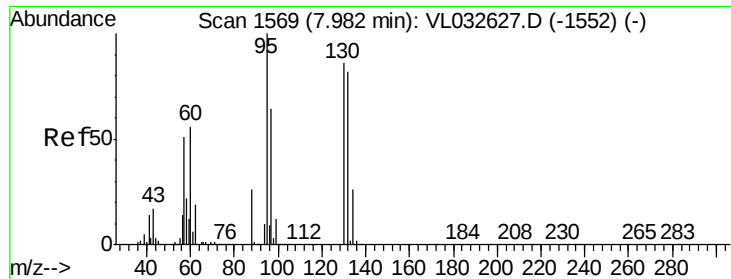
Ion Ratio Lower Upper

78 100

77 22.6 18.1 27.1

50 18.2 15.1 22.7





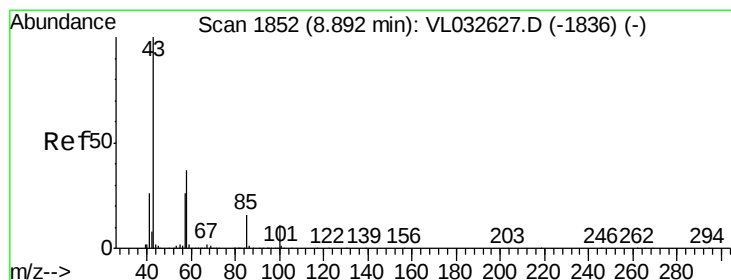
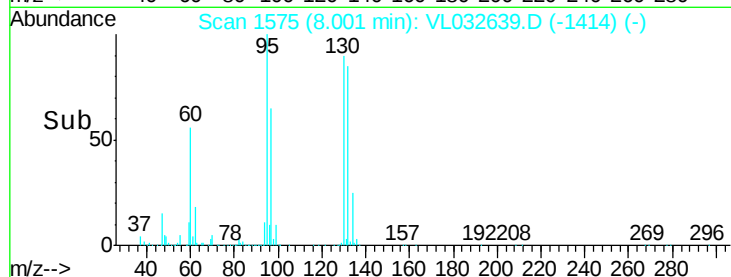
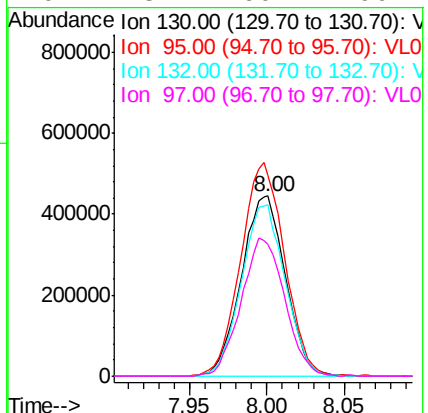
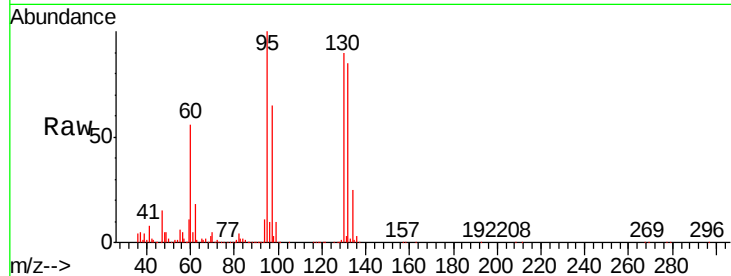
#38
 Trichloroethene
 Concen: 10.17 ppbv
 RT: 8.00 min Scan# 1575
 Delta R.T. 0.02 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVI

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.6	93.4	140.0
132	95.4	76.5	114.7
97	73.1	60.2	90.2

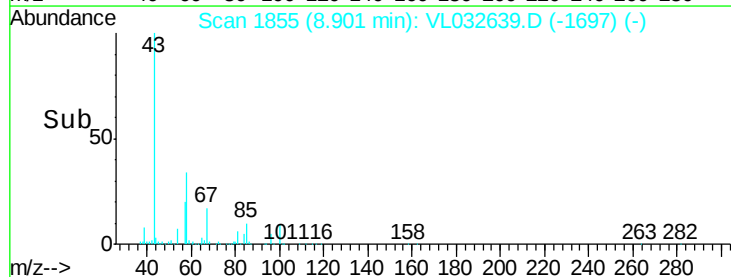
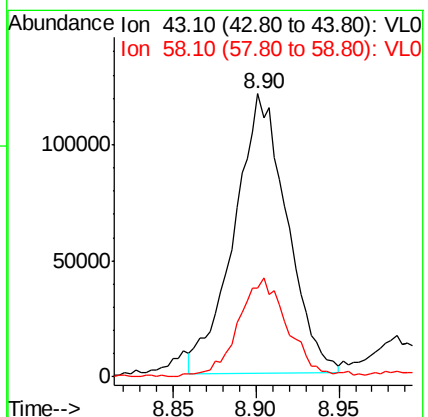
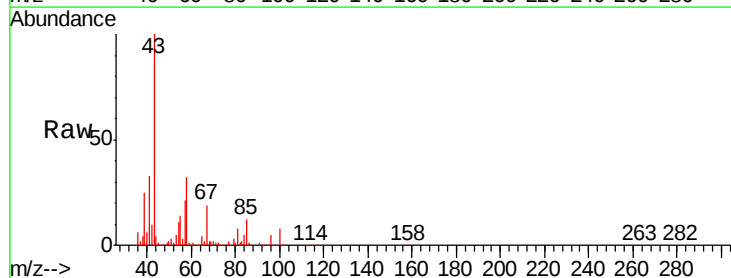
Manual Integrations
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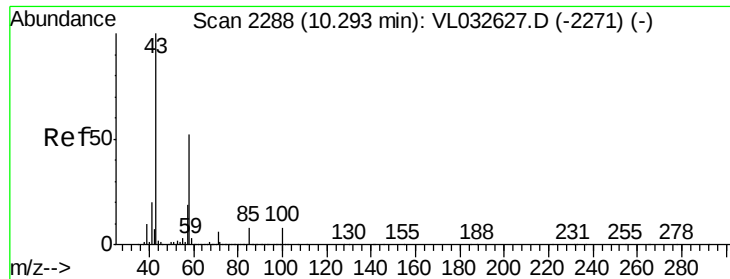
MMDadoda
 10/19/2018 4:36:35 PM



#50
 4-Methyl-2-Pentanone
 Concen: 1.15 ppbv
 RT: 8.90 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.8	29.7	44.5





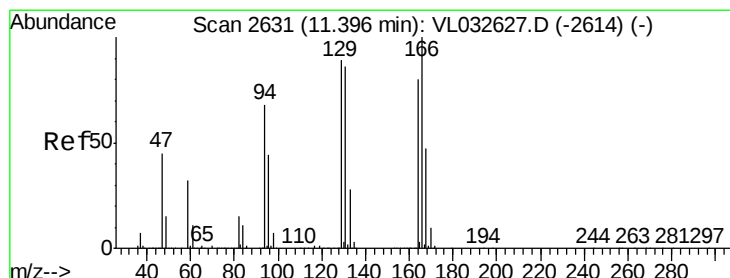
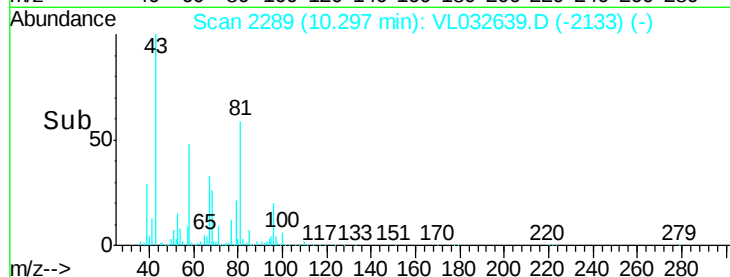
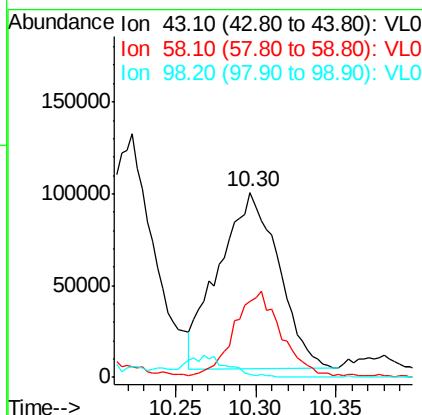
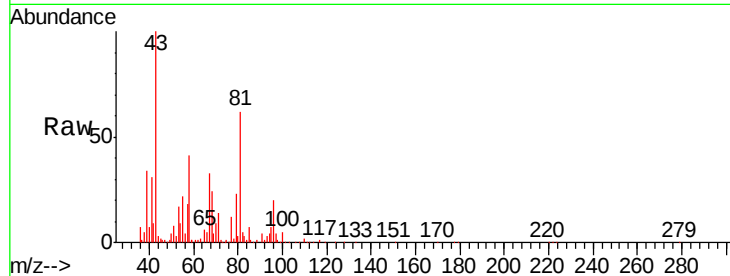
#51
2-Hexanone
Concen: 1.36 ppbv
RT: 10.30 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.6	40.4	60.6#
98	14.5	0.4	0.6#

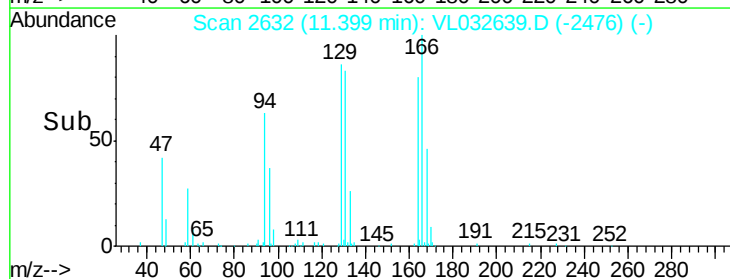
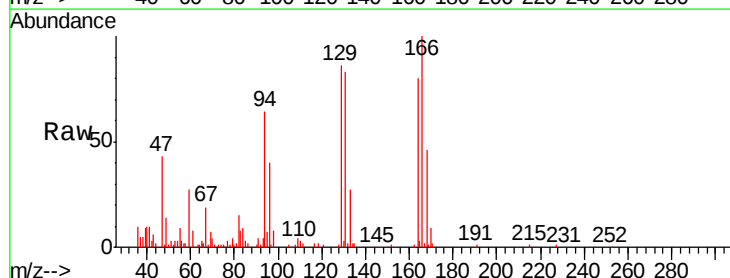
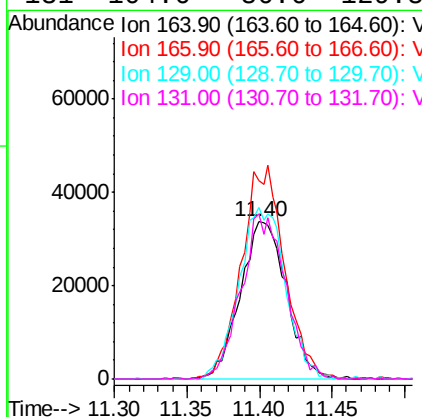
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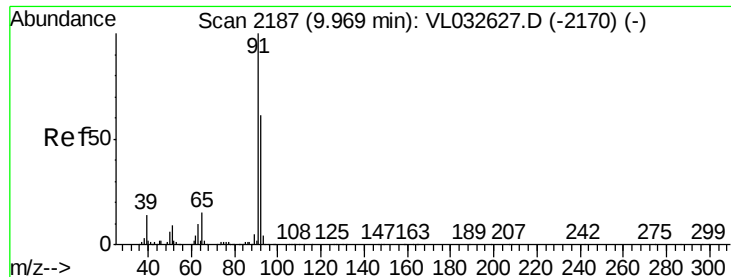
MMDadoda
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#52
Tetrachloroethene
Concen: 0.99 ppbv
RT: 11.40 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.5	150.7
129	108.7	90.0	135.0
131	104.6	86.6	129.8





#53

Toluene

Concen: 12.69 ppbv

RT: 9.98 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI

Tgt Ion: 91 Resp: 3323792

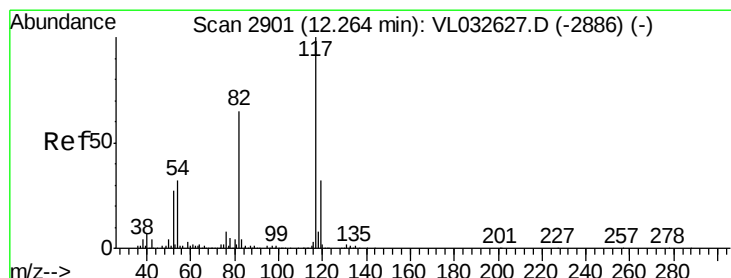
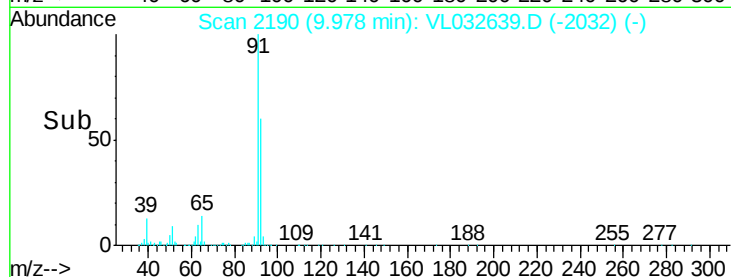
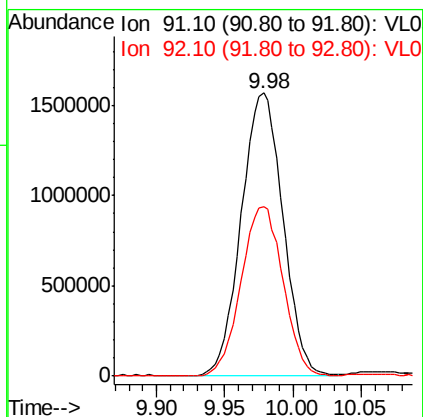
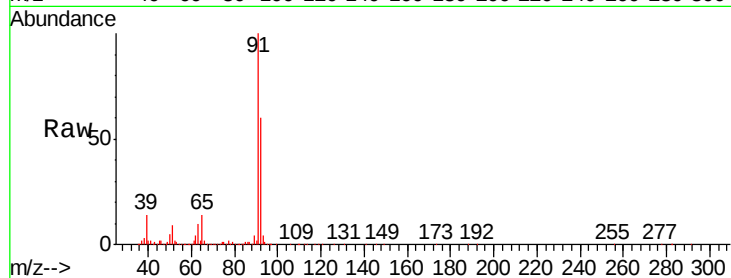
Ion Ratio Lower Upper

91 100

92 60.3 48.4 72.6

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.27 min Scan# 2902

Delta R.T. 0.00 min

Lab File: VL032639.D

Acq: 17 Oct 2018 13:50

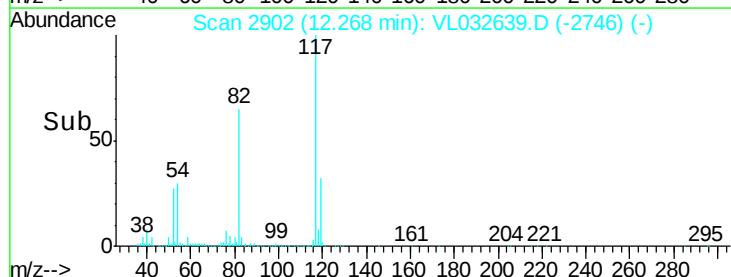
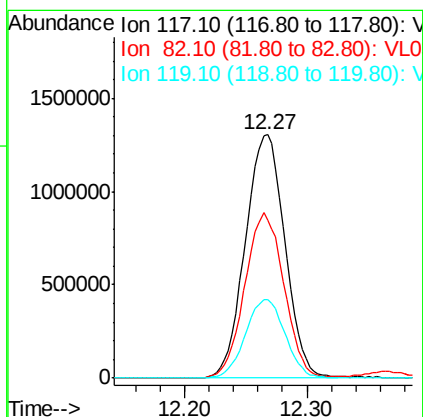
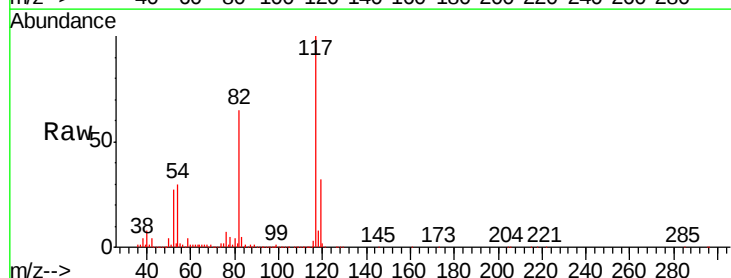
Tgt Ion: 117 Resp: 2926239

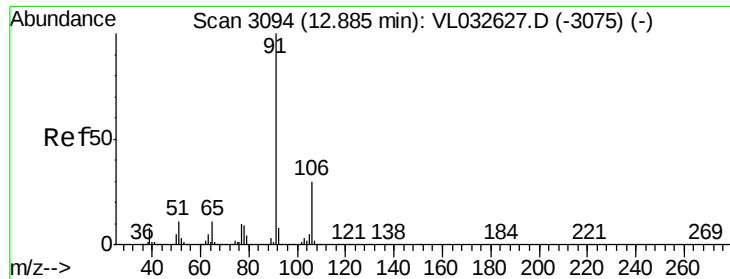
Ion Ratio Lower Upper

117 100

82 67.3 52.7 79.1

119 32.5 26.7 40.1





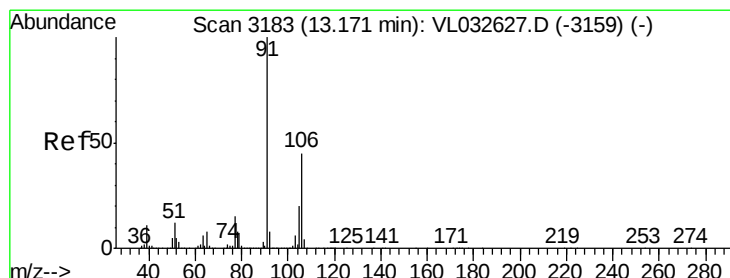
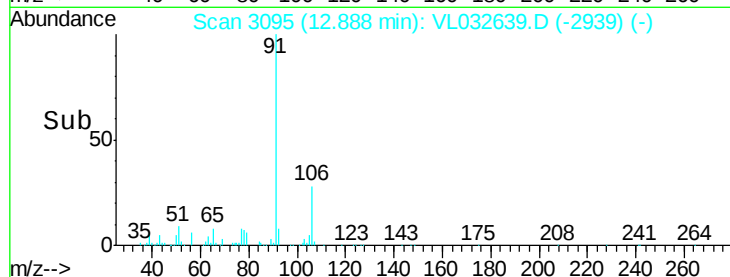
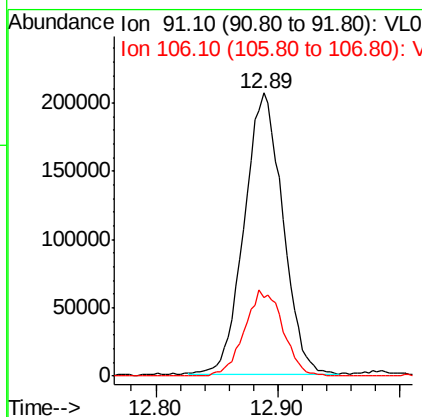
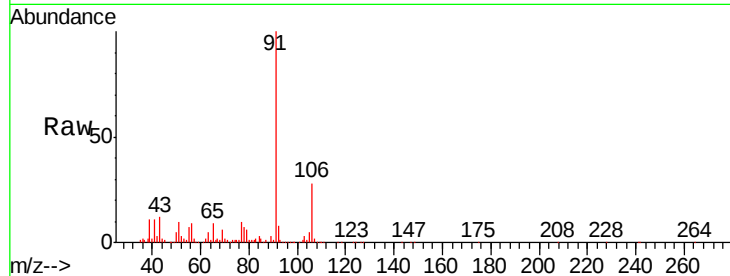
#58
Ethyl Benzene
Concen: 1.37 ppbv
RT: 12.89 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Tgt Ion: 91 Resp: 450690
Ion Ratio Lower Upper
91 100
106 27.9 24.2 36.2

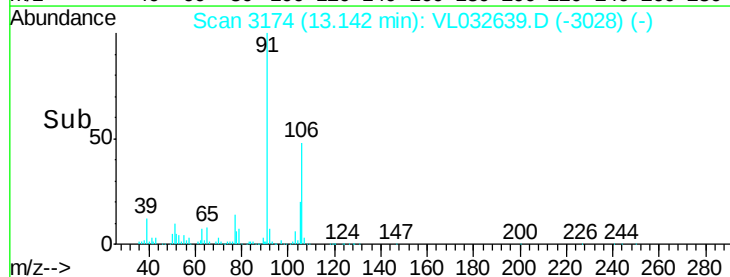
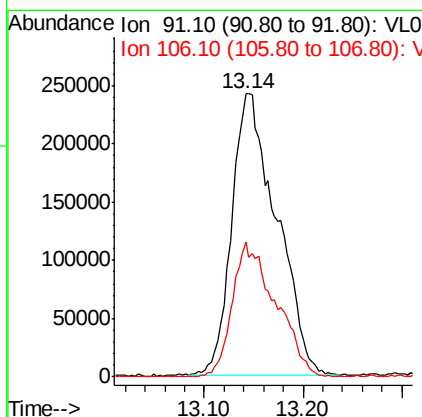
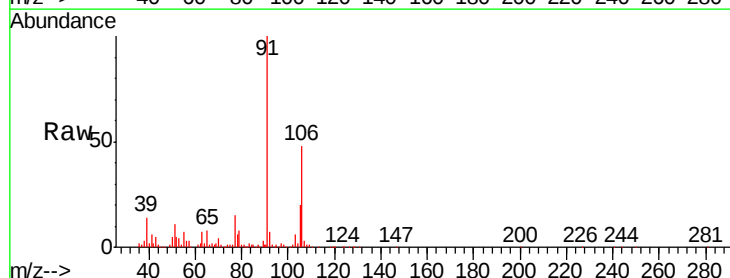
Manual Integrations
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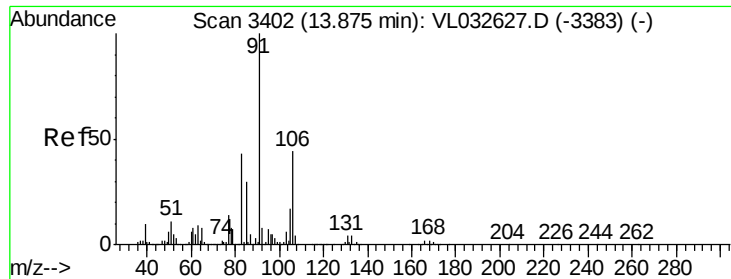
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#59
m/p-Xylene
Concen: 2.60 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.03 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Tgt Ion: 91 Resp: 763183
Ion Ratio Lower Upper
91 100
106 46.6 35.9 53.9





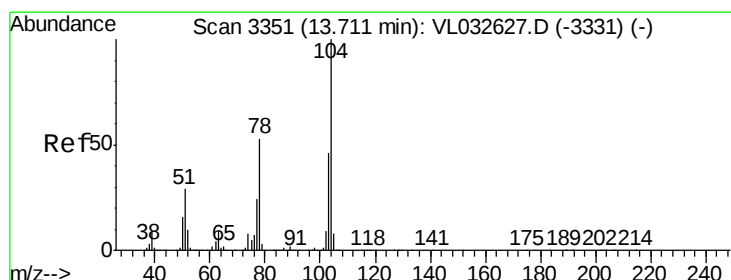
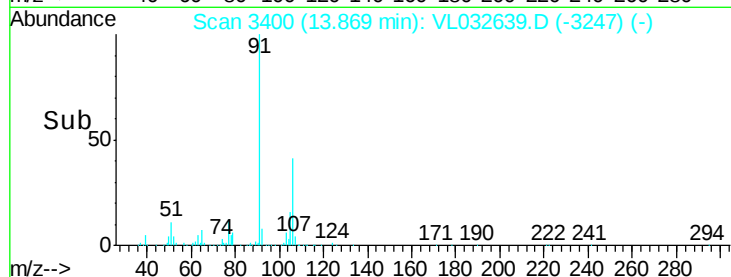
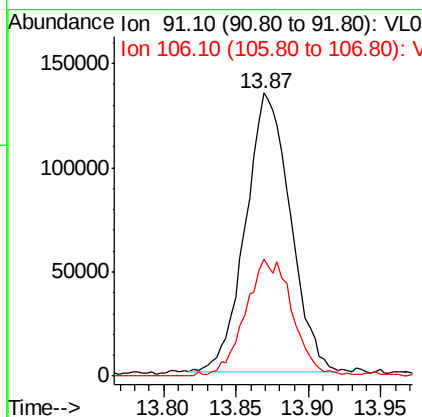
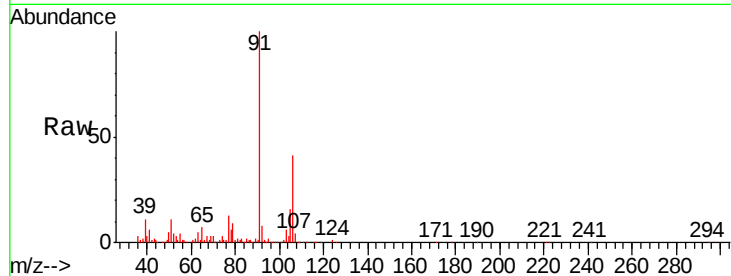
#60
o-Xylene
Concen: 0.98 ppbv
RT: 13.87 min Scan# 3400
Delta R.T. -0.01 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Tgt Ion: 91 Resp: 287574
Ion Ratio Lower Upper
91 100
106 45.0 22.1 66.1

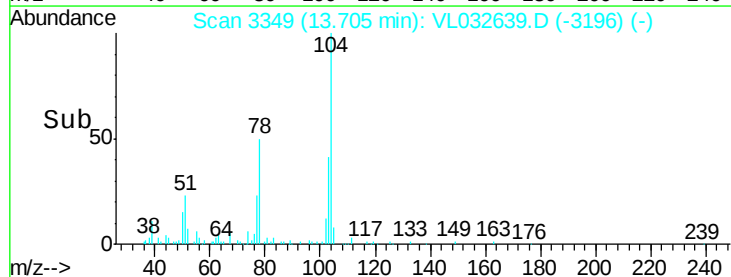
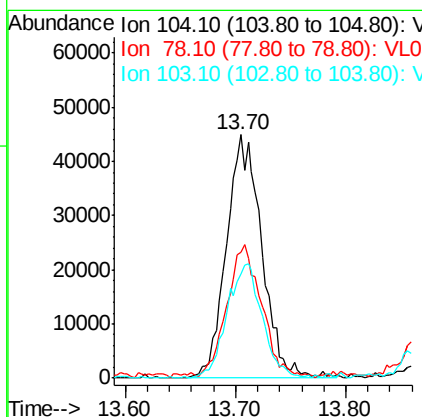
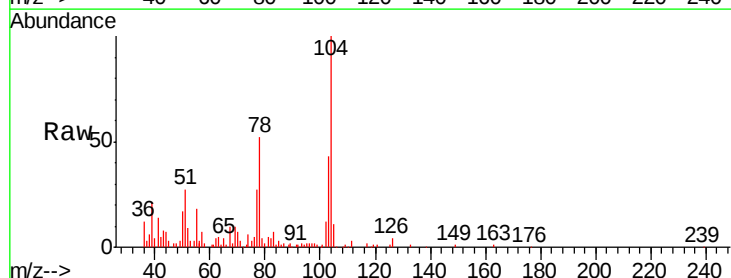
Manual Integrations
APPROVED

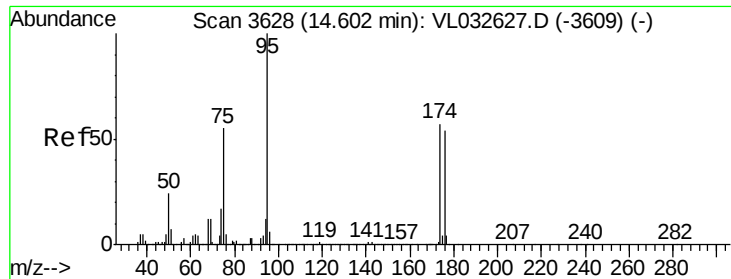
MMDadoda
10/19/2018 4:36:35 PM



#61
Styrene
Concen: 0.56 ppbv m
RT: 13.70 min Scan# 3349
Delta R.T. -0.01 min
Lab File: VL032639.D
Acq: 17 Oct 2018 13:50

Tgt Ion: 104 Resp: 99947
Ion Ratio Lower Upper
104 100
78 55.8 42.8 64.2
103 47.4 37.4 56.0





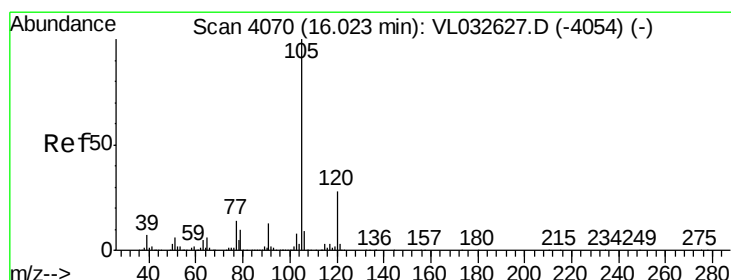
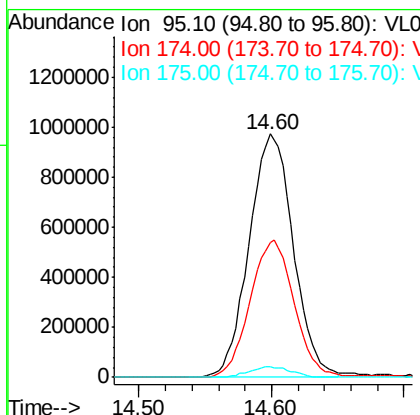
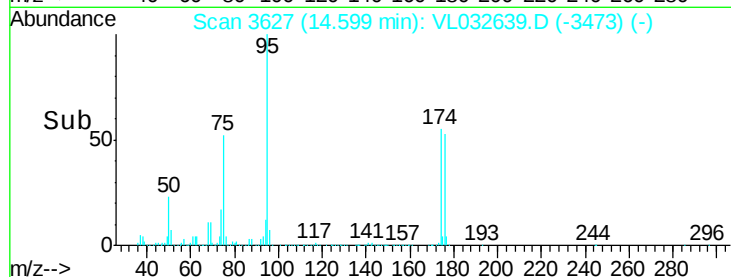
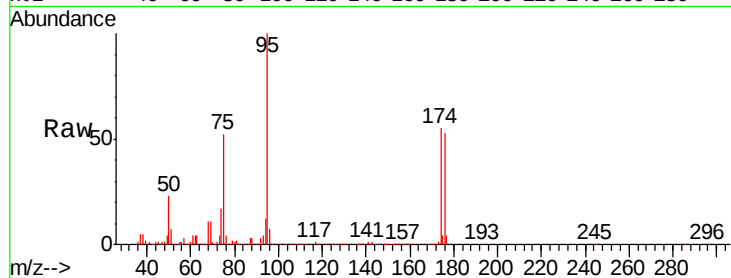
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.23 ppbv
 RT: 14.60 min Scan# 3627
 Delta R.T. -0.00 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVI

Tgt Ion: 95 Resp: 2253512
 Ion Ratio Lower Upper
 95 100
 174 57.5 46.0 69.0
 175 4.2 3.4 5.0

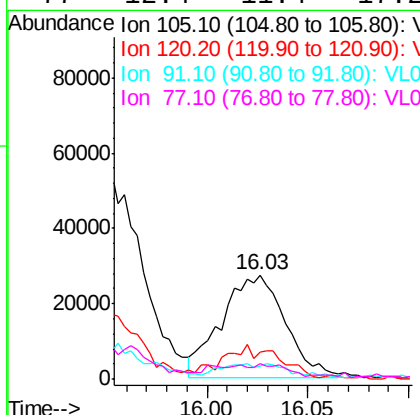
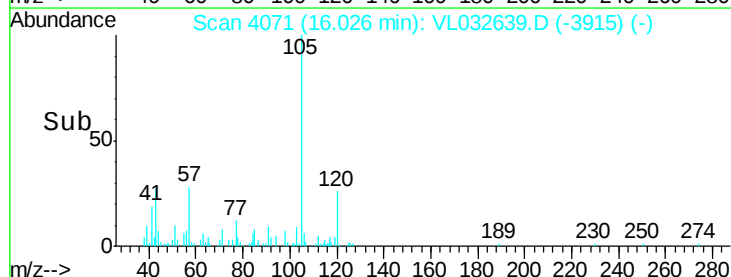
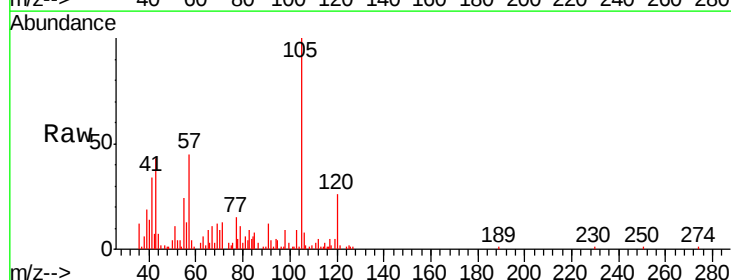
Manual Integrations
 APPROVED

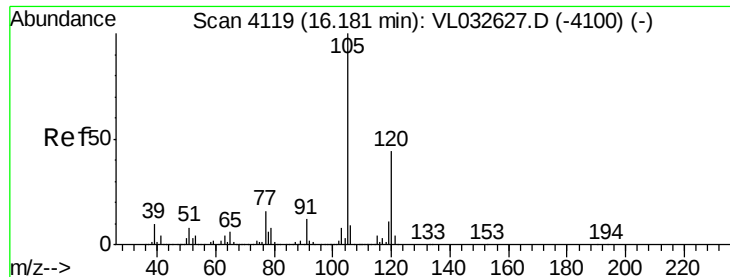
MMDadoda
 10/19/2018 4:36:35 PM



#72
 4-Ethyltoluene
 Concen: 0.19 ppbv
 RT: 16.03 min Scan# 4071
 Delta R.T. 0.00 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Tgt Ion: 105 Resp: 60521
 Ion Ratio Lower Upper
 105 100
 120 31.6 23.7 35.5
 91 13.6 10.4 15.6
 77 12.4 11.4 17.2





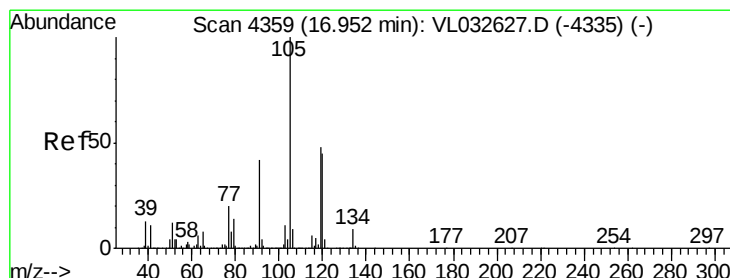
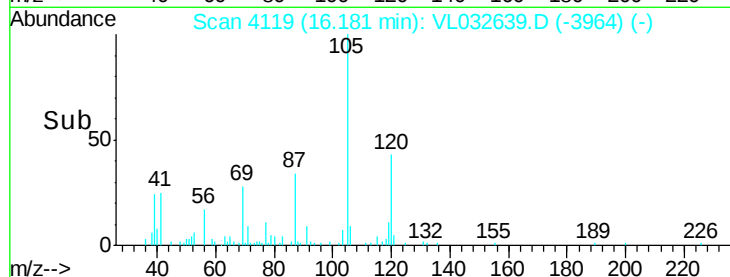
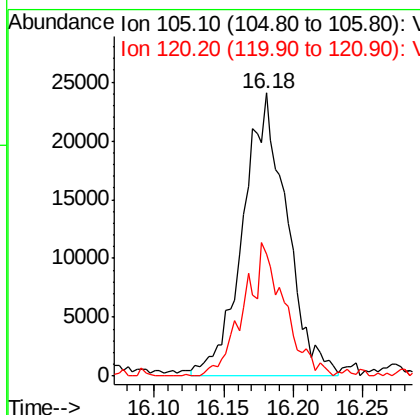
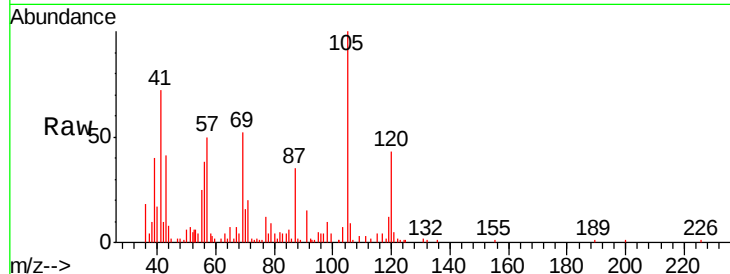
#73
 1,3,5-Trimethylbenzene
 Concen: 0.17 ppbv m
 RT: 16.18 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Instrument :
 MSVOA_L
 ClientSampled :
 SS04-MIVI

Tgt Ion:105 Resp: 52934
 Ion Ratio Lower Upper
 105 100
 120 43.3 35.4 53.2

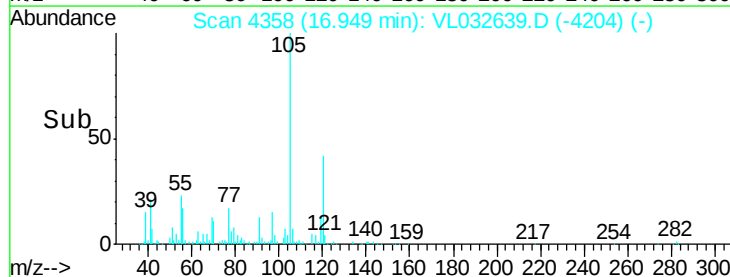
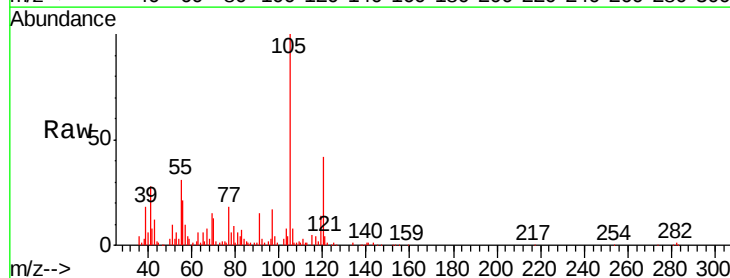
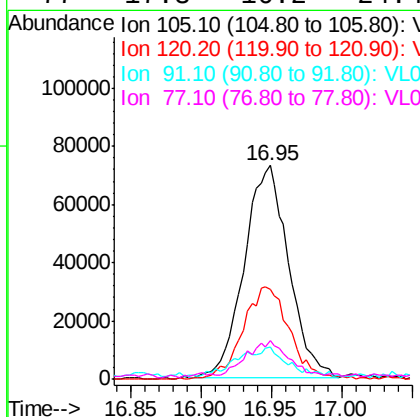
Manual Integrations
 APPROVED

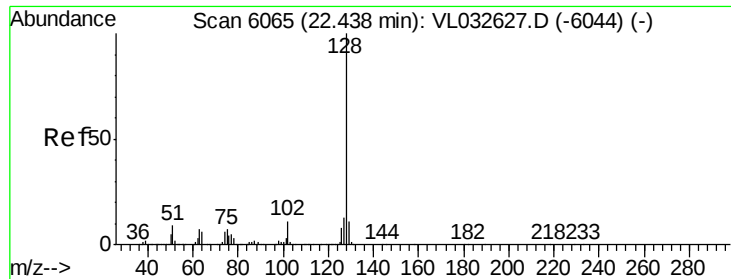
MMDadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.46 ppbv
 RT: 16.95 min Scan# 4358
 Delta R.T. -0.00 min
 Lab File: VL032639.D
 Acq: 17 Oct 2018 13:50

Tgt Ion:105 Resp: 160412
 Ion Ratio Lower Upper
 105 100
 120 41.9 35.8 53.8
 91 13.1 33.2 49.8#
 77 17.3 16.2 24.4





#79

Naphthalene

Concen: 0.09 ppbv m

RT: 22.44 min Scan# 6066

Delta R.T. 0.00 min

Lab File: VL032639.D

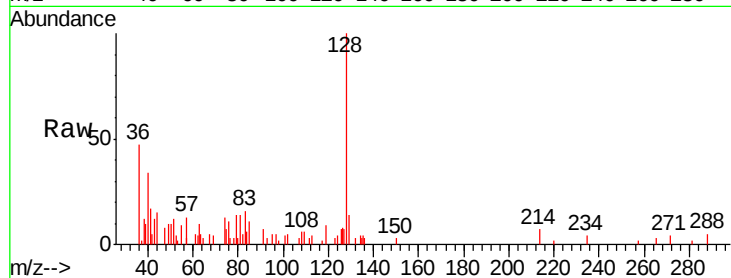
Acq: 17 Oct 2018 13:50

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVI



Tgt Ion:	128	Resp:	20614
Ion Ratio	Lower	Upper	
128	100		
127	7.4	10.3	15.5#
129	13.6	8.6	13.0#

Manual Integrations
APPROVED

MMDadoda
10/19/2018 4:36:35 PM

