

Data Path : W:\HPCHEM1\MSVOA X\Data\VX040218\
 Data File : VX000646.D
 Acq On : 02 Apr 2018 18:58
 Operator : JC/MD
 Sample : VX0402WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/4/2018 5:09:42 PM

Quant Time: Apr 03 03:08:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	139162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	221342	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	241425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	153953	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	80735	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	
35) Dibromofluoromethane	5.51	113	63443	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	
50) Toluene-d8	8.72	98	258715	44.79	ug/l	0.00
Spiked Amount			Recovery	=	89.58%	
62) 4-Bromofluorobenzene	11.15	95	103928	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	26932	17.56	ug/l	98
3) Chloromethane	1.32	50	26578	16.45	ug/l	99
4) Vinyl Chloride	1.41	62	34912	20.45	ug/l	97
5) Bromomethane	1.65	94	28307	13.88	ug/l	92
6) Chloroethane	1.73	64	23024	23.76	ug/l	97
7) Trichlorofluoromethane	1.93	101	62996	20.44	ug/l	100
8) Diethyl Ether	2.19	74	22404	20.34	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	36154	21.04	ug/l	96
10) Methyl Iodide	2.51	142	18850	14.40	ug/l	99
11) Tert butyl alcohol	3.07	59	57857	92.59	ug/l	99
12) 1,1-Dichloroethene	2.38	96	30185	20.01	ug/l	97
13) Acrolein	2.29	56	29962	156.00	ug/l	96
14) Allyl chloride	2.73	41	53899	20.17	ug/l	99
15) Acrylonitrile	3.15	53	123937	97.93	ug/l	99
16) Acetone	2.45	43	148823	98.48	ug/l	98
17) Carbon Disulfide	2.57	76	72709	18.13	ug/l	99
18) Methyl Acetate	2.78	43	62400	19.70	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	113891	20.42	ug/l	97
20) Methylene Chloride	2.86	84	37870	21.70	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	32563	19.35	ug/l	96
22) Diisopropyl ether	3.88	45	76768	16.28	ug/l	96
23) Vinyl Acetate	3.83	43	446034	99.78	ug/l	98
24) 1,1-Dichloroethane	3.70	63	58417	19.70	ug/l	96
25) 2-Butanone	4.71	43	144480	85.06	ug/l	100
26) 2,2-Dichloropropane	4.59	77	37040	17.83	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	27656	17.59	ug/l	98
28) Bromochloromethane	5.03	49	22046	18.03	ug/l	94
29) Tetrahydrofuran	5.18	42	88072	84.27	ug/l	98
30) Chloroform	5.23	83	51307	18.47	ug/l	94
31) Cyclohexane	5.58	56	39833	17.38	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	44656	17.82	ug/l	98
36) 1,1-Dichloropropene	5.81	75	36303	17.51	ug/l	97
37) Ethyl Acetate	4.87	43	50955	17.99	ug/l	98
38) Carbon Tetrachloride	5.79	117	37362	17.18	ug/l	97

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Manual Integrations
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 4/4/2018 5:09:42 PM

Quant Time: Apr 03 03:08:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	46870	18.59	ug/l	98
40) Benzene	6.15	78	109905	18.25	ug/l	98
41) Methacrylonitrile	5.07	41	25696	17.21	ug/l	97
42) 1,2-Dichloroethane	6.21	62	43985	18.62	ug/l	96
43) Isopropyl Acetate	6.48	43	76955	18.25	ug/l	98
44) Trichloroethene	7.22	130	31966	18.53	ug/l	96
45) 1,2-Dichloropropane	7.53	63	30444	19.75	ug/l	99
46) Dibromomethane	7.67	93	22656	18.73	ug/l	98
47) Bromodichloromethane	7.91	83	41178	19.35	ug/l	100
48) Methyl methacrylate	7.79	41	38230	18.68	ug/l	98
49) 1,4-Dioxane	7.76	88	13526	314.41	ug/l	94
51) 4-Methyl-2-Pentanone	8.66	43	306121	93.81	ug/l	99
52) Toluene	8.79	92	79923	18.99	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	47269	19.17	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	47684	19.93	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	33123	19.14	ug/l	98
56) Ethyl methacrylate	9.19	69	50071	19.09	ug/l	99
57) 1,3-Dichloropropane	9.38	76	54987	19.86	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	94726	75.25	ug/l	100
59) 2-Hexanone	9.51	43	260194	93.91	ug/l	100
60) Dibromochloromethane	9.59	129	34354	19.51	ug/l	94
61) 1,2-Dibromoethane	9.68	107	35878	19.33	ug/l	99
64) Tetrachloroethene	9.34	164	29529	15.76	ug/l	95
65) Chlorobenzene	10.15	112	97811	18.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	33443	18.33	ug/l	99
67) Ethyl Benzene	10.26	91	167511	18.39	ug/l	99
68) m/p-Xylenes	10.37	106	130635	36.45	ug/l	99
69) o-Xylene	10.71	106	63712	18.36	ug/l	98
70) Styrene	10.72	104	107251	18.68	ug/l	99
71) Bromoform	10.87	173	28160	18.17	ug/l #	95
73) Isopropylbenzene	11.02	105	175073	17.16	ug/l	100
74) N-amyl acetate	6.48	43	76955	15.00	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	64107	17.77	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	56363m	17.04	ug/l	
77) Bromobenzene	11.26	156	45140	16.61	ug/l	98
78) n-propylbenzene	11.37	91	213295	17.54	ug/l	99
79) 2-Chlorotoluene	11.43	91	120524	17.15	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	154631	18.03	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	16669	16.31	ug/l	95
82) 4-Chlorotoluene	11.52	91	150590	17.95	ug/l	99
83) tert-Butylbenzene	11.78	119	155442	17.97	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	160308	17.83	ug/l	99
85) sec-Butylbenzene	11.95	105	195355	18.25	ug/l	99
86) p-Isopropyltoluene	12.07	119	173522	18.25	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	91785	17.86	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	94158	17.46	ug/l	96
89) n-Butylbenzene	12.40	91	170771	19.29	ug/l	98
90) Hexachloroethane	12.60	117	27264	18.22	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	92338	18.33	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16836	16.73	ug/l	98

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 ALS Vial : 15 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0402WBS02

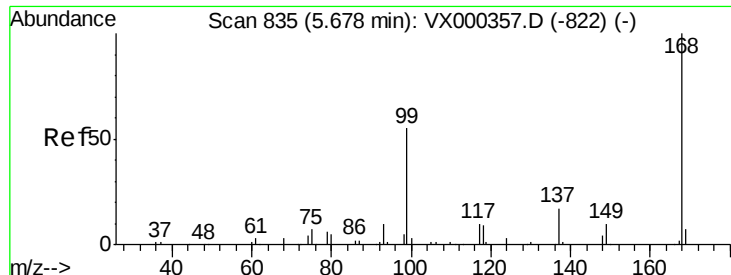
Manual Integrations
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Quant Time: Apr 03 03:08:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	66411	18.39	ug/l	99
94) Hexachlorobutadiene	13.79	225	27421	18.34	ug/l	96
95) Naphthalene	13.84	128	227711	18.10	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	66947	18.76	ug/l	99

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



#1

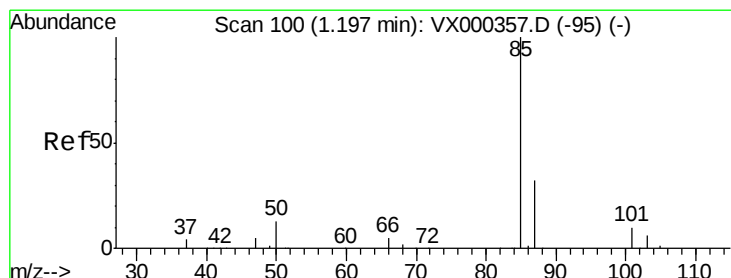
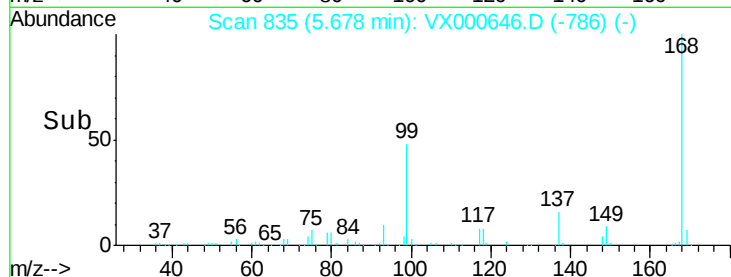
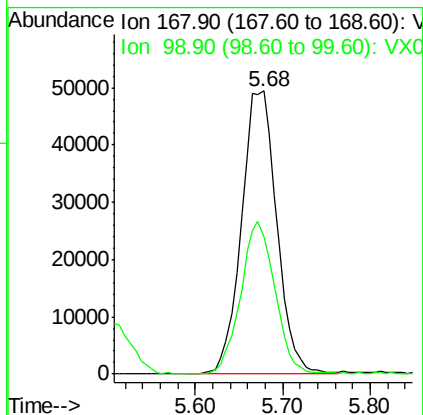
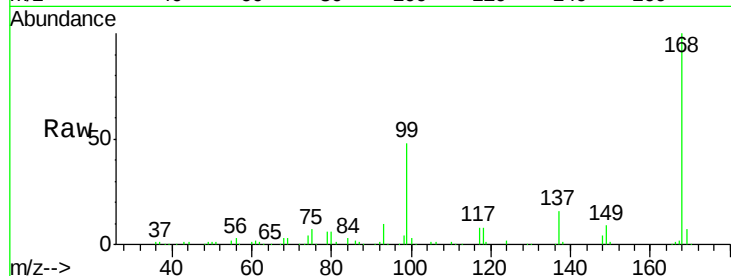
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.4	45.8	68.6

Manual Integrations
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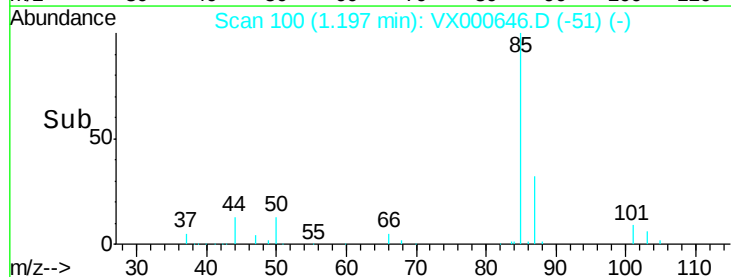
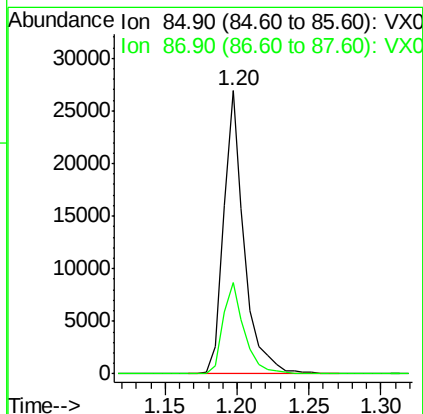
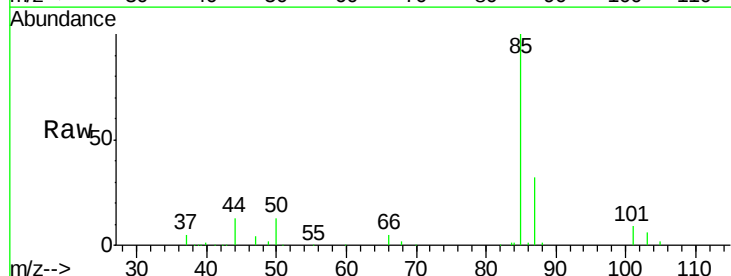
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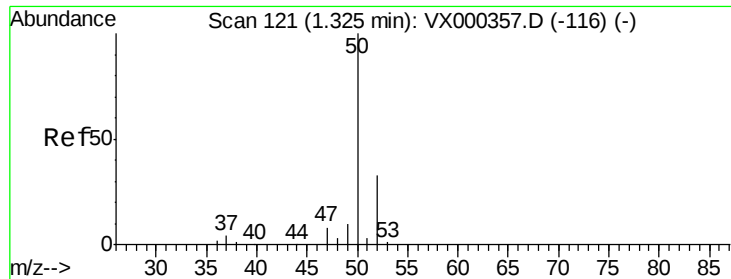


#2

Dichlorodifluoromethane
 Concen: 17.56 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.8	50.3





#3

Chloromethane

Concen: 16.45 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 50 Resp: 26578

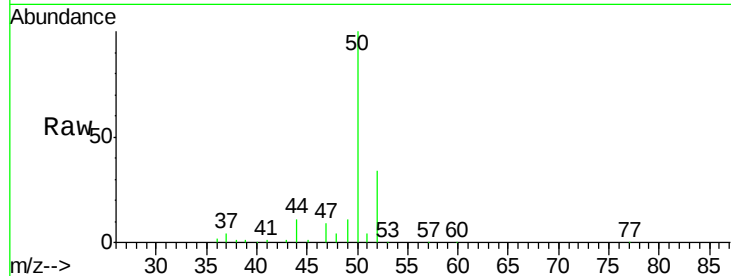
Ion Ratio Lower Upper

50 100

52 33.9 27.5 41.3

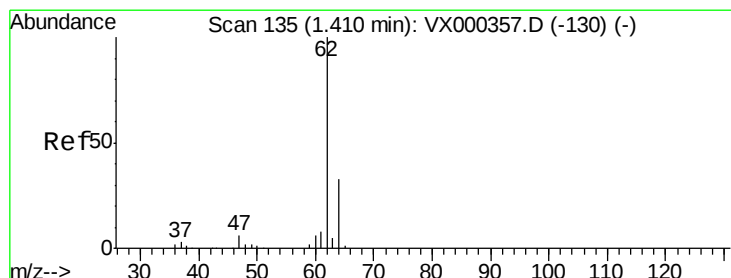
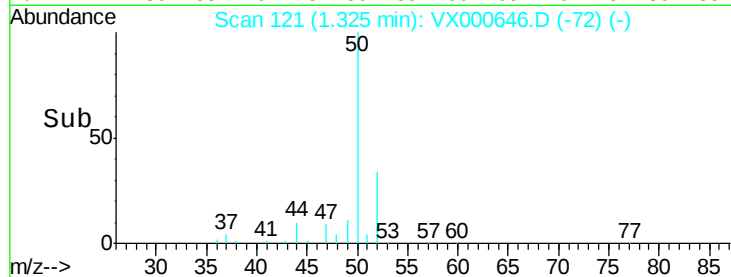
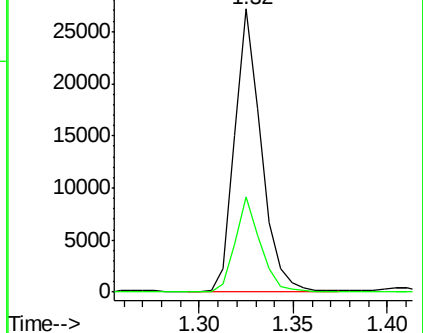
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.45 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000646.D

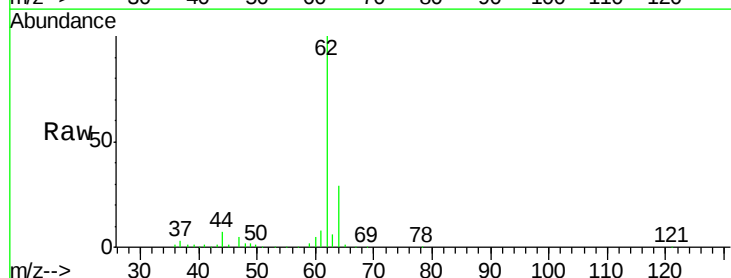
Acq: 02 Apr 2018 18:58

Tgt Ion: 62 Resp: 34912

Ion Ratio Lower Upper

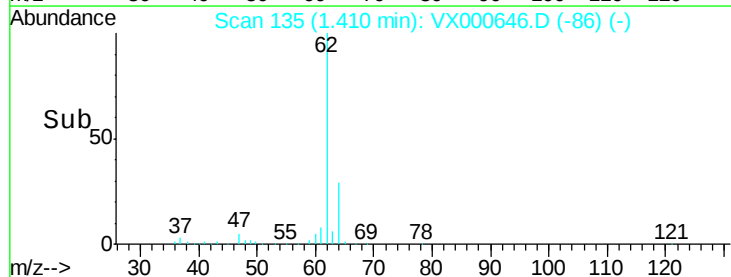
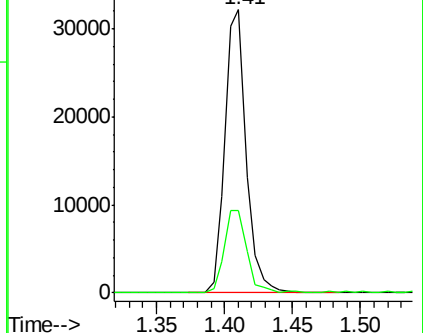
62 100

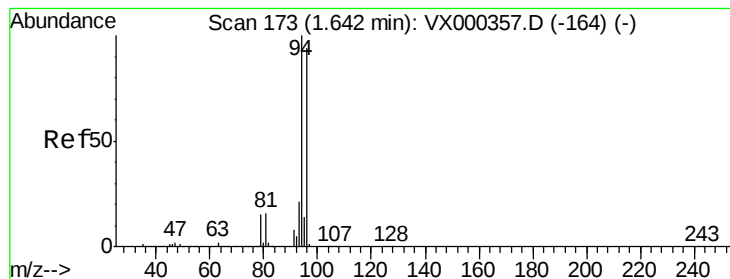
64 29.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 13.88 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 94 Resp: 28307

Ion Ratio Lower Upper

94 100

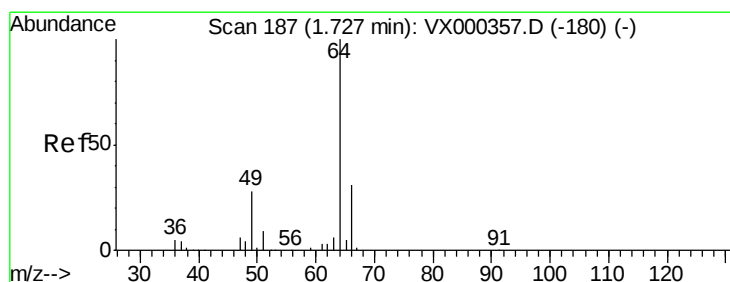
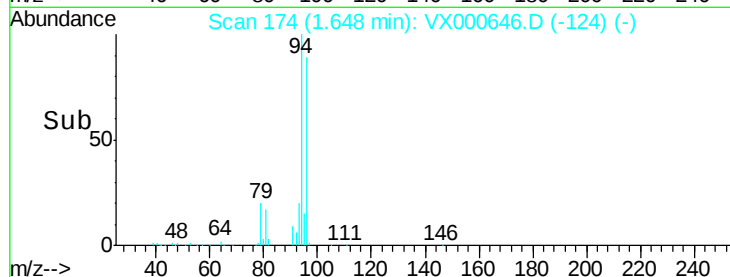
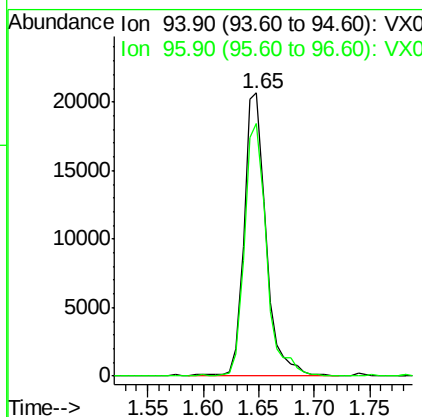
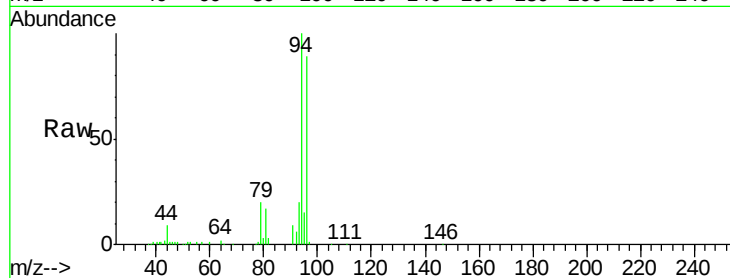
96 89.2 77.7 116.5

Manual Integrations

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#6

Chloroethane

Concen: 23.76 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000646.D

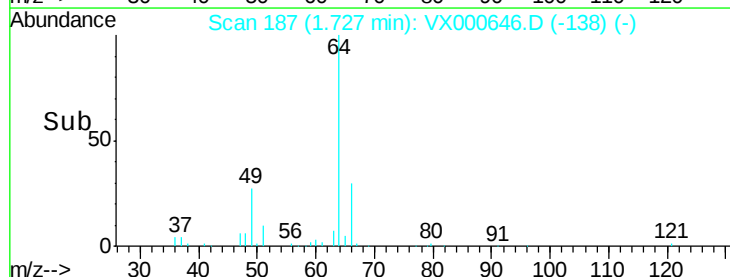
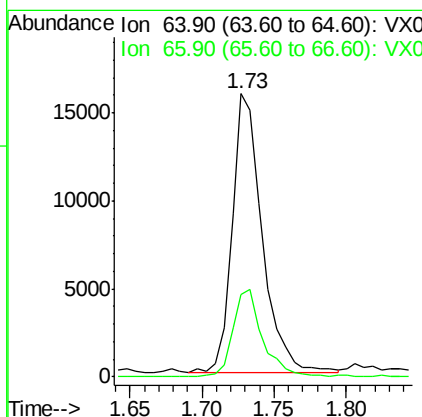
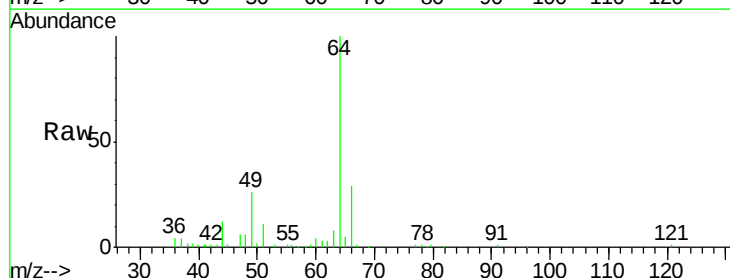
Acq: 02 Apr 2018 18:58

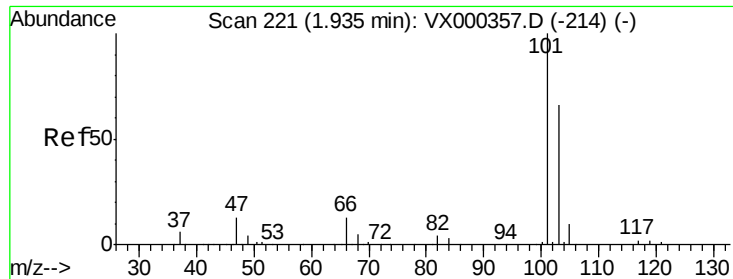
Tgt Ion: 64 Resp: 23024

Ion Ratio Lower Upper

64 100

66 29.5 24.8 37.2





#7

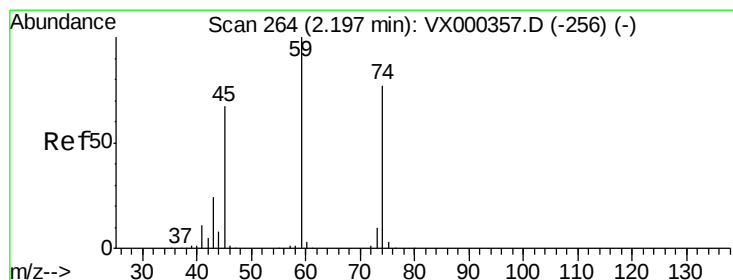
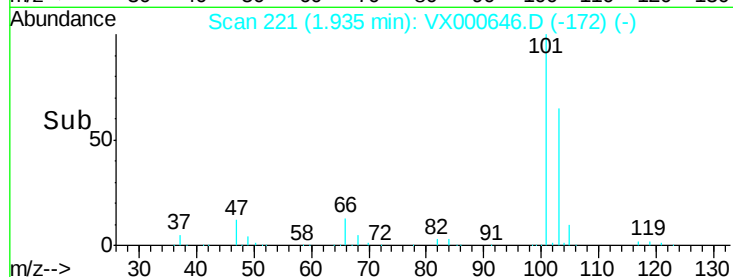
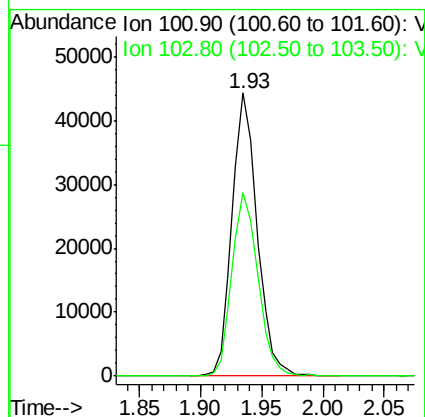
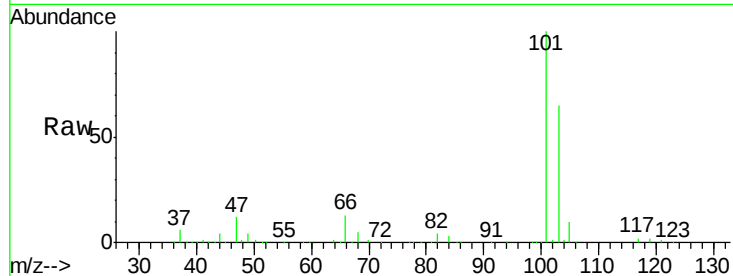
Trichlorofluoromethane
Concen: 20.44 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

Tot Ion:101 Resp: 62996
Ion Ratio Lower Upper
101 100
103 64.7 51.6 77.4

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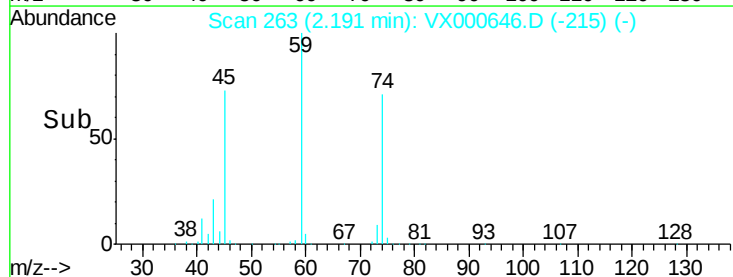
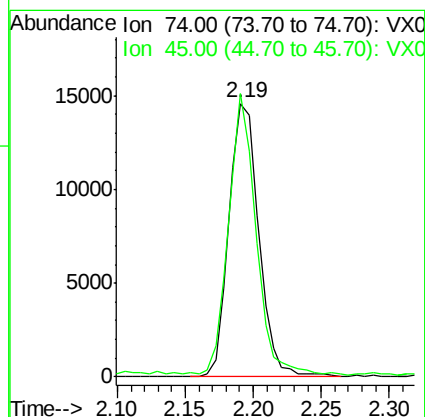
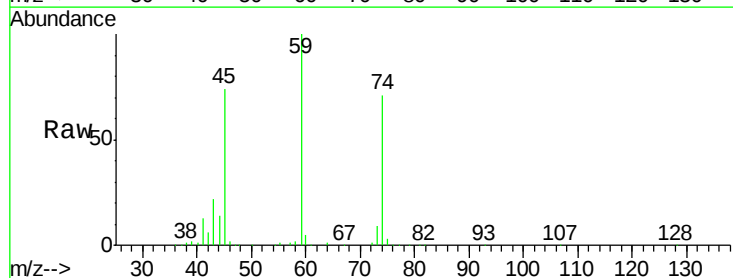
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4/4/2018 5:09:42 PM



#8

Diethyl Ether
Concen: 20.34 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion: 74 Resp: 22404
Ion Ratio Lower Upper
74 100
45 93.6 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.04 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

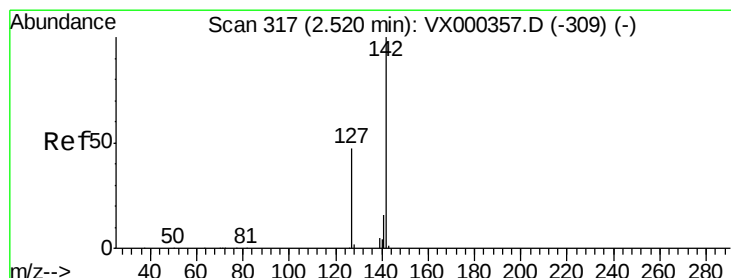
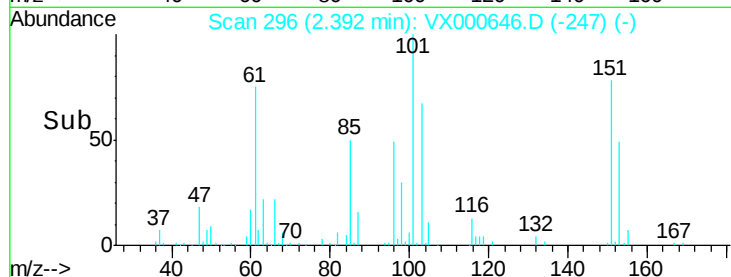
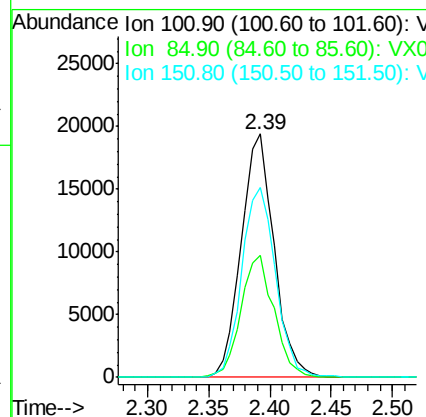
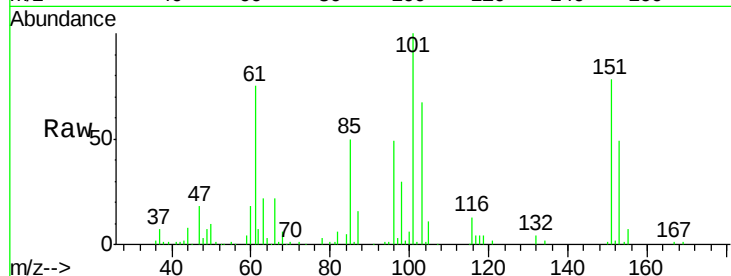
ClientSampled :

VX0402WBS02

Tot Ion:	101	Resp:	36154
Ion Ratio	Lower	Upper	
101	100		
85	50.4	37.6	56.4
151	80.6	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 14.40 ug/l

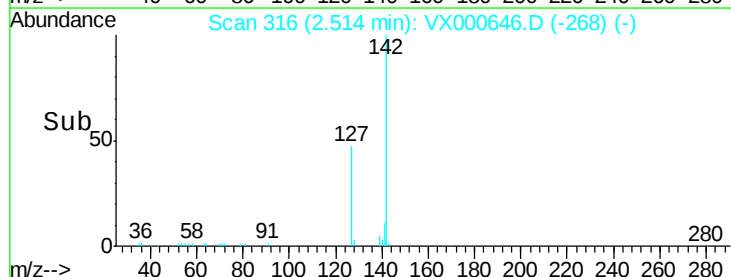
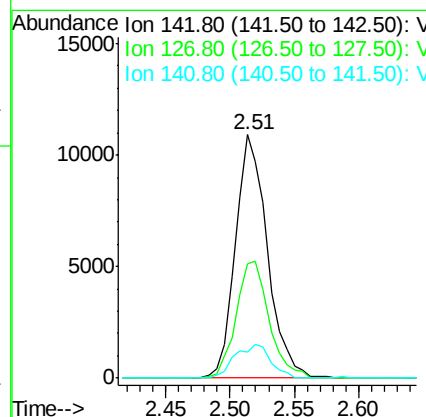
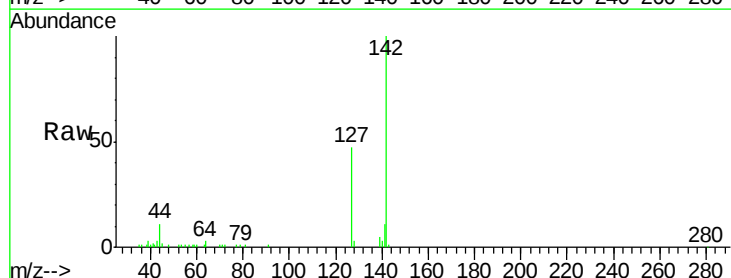
RT: 2.51 min Scan# 316

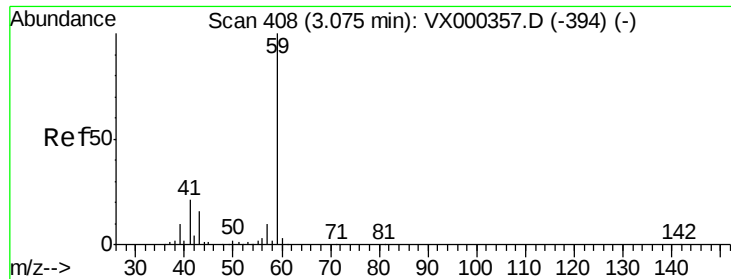
Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Tgt Ion:	142	Resp:	18850
Ion Ratio	Lower	Upper	
142	100		
127	49.6	39.2	58.8
141	15.3	11.7	17.5





#11

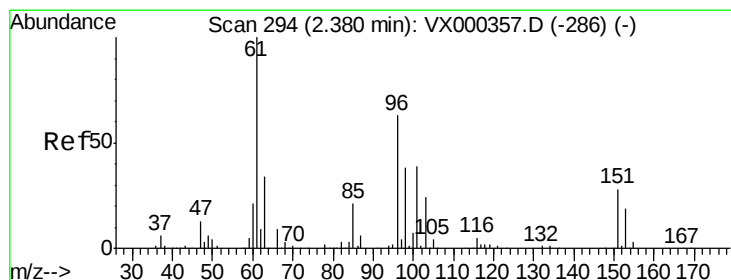
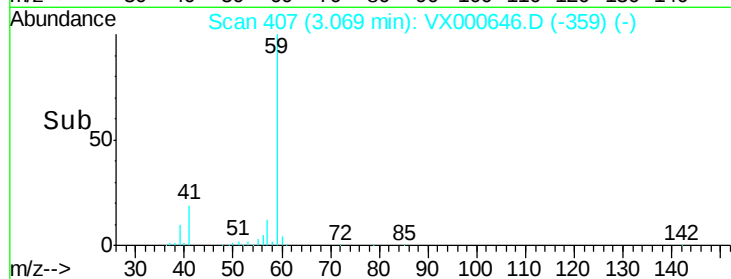
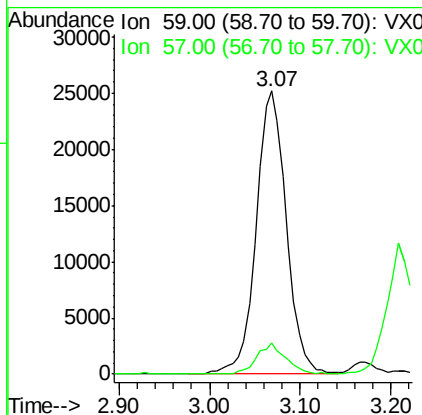
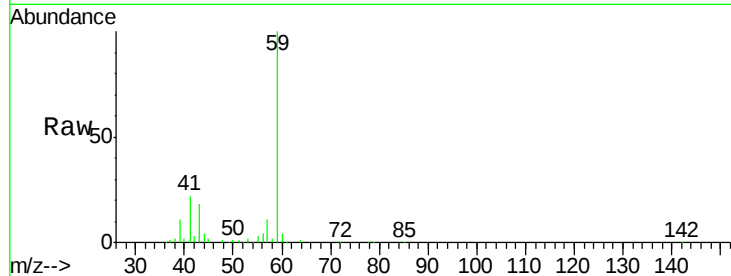
Tert butyl alcohol
 Concen: 92.59 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

Manual Integrations
 APPROVED

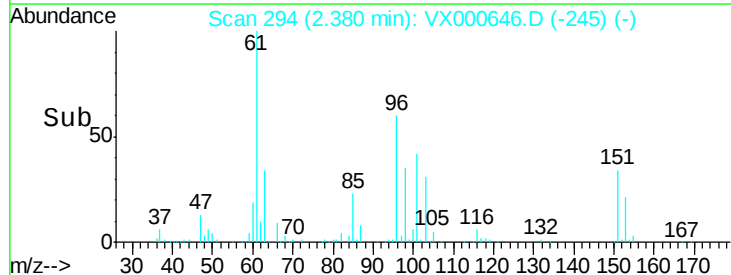
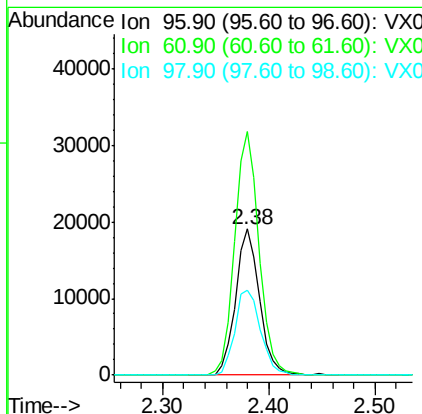
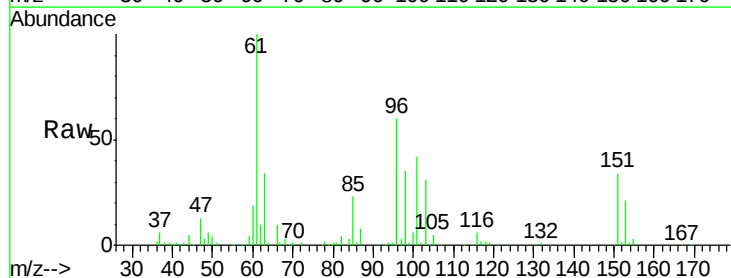
MMDadoda
 4/4/2018 5:09:42 PM

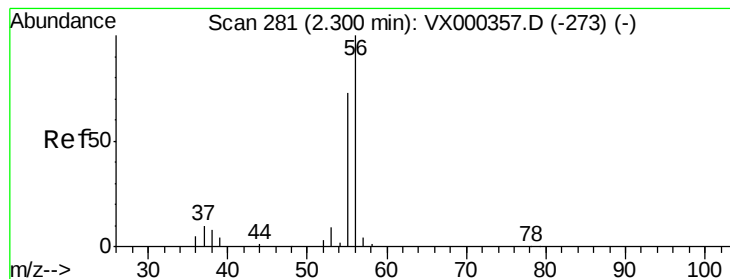


#12

1,1-Dichloroethene
 Concen: 20.01 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.6	131.2	196.8
98	58.4	49.8	74.8





#13

Acrolein

Concen: 156.00 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 56 Resp: 29962

Ion Ratio Lower Upper

56 100

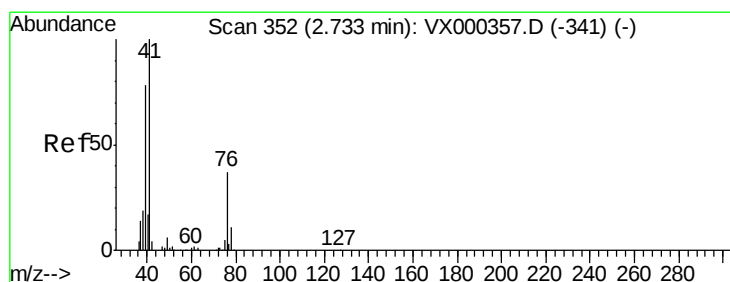
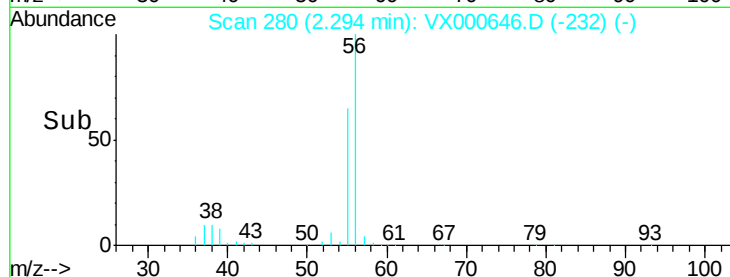
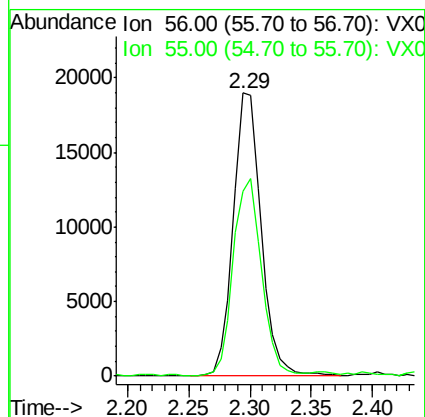
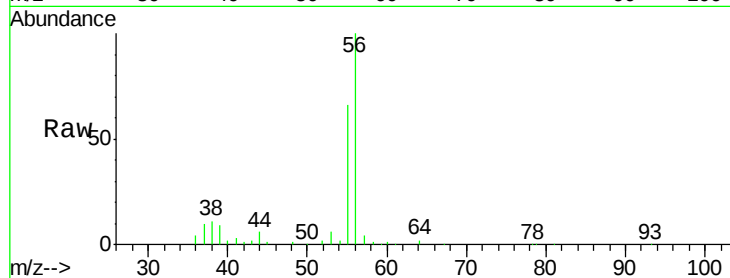
55 70.0 58.8 88.2

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 20.17 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

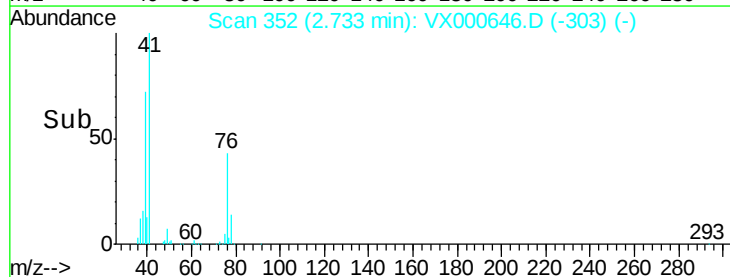
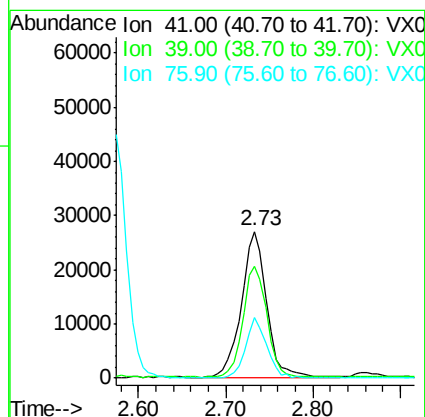
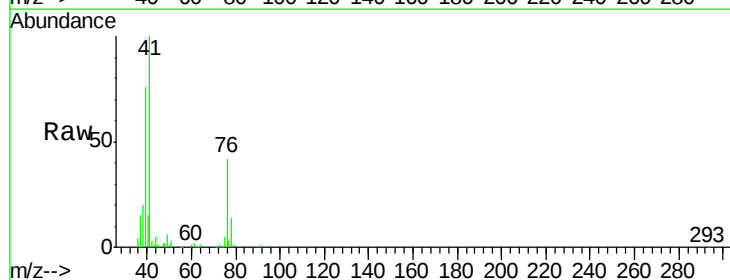
Tgt Ion: 41 Resp: 53899

Ion Ratio Lower Upper

41 100

39 72.5 57.6 86.4

76 35.0 27.3 40.9





#15

Acrylonitrile

Concen: 97.93 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

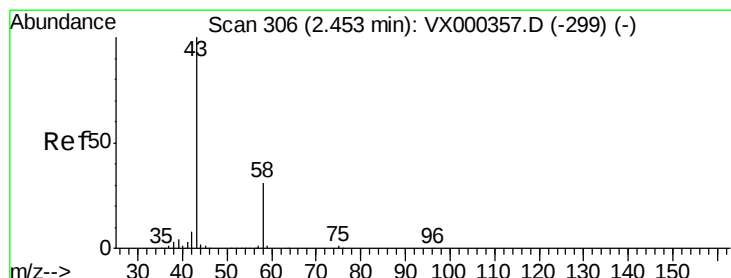
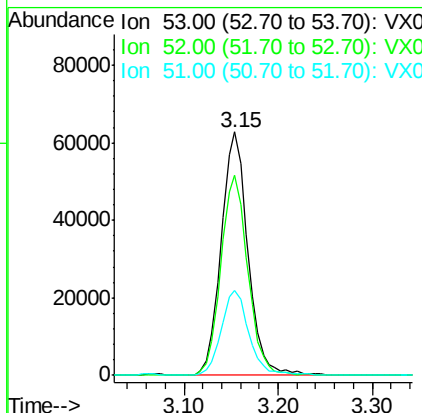
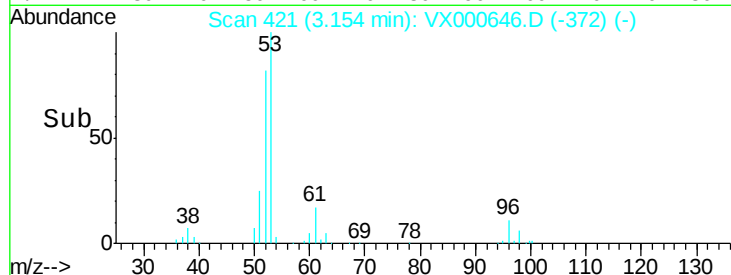
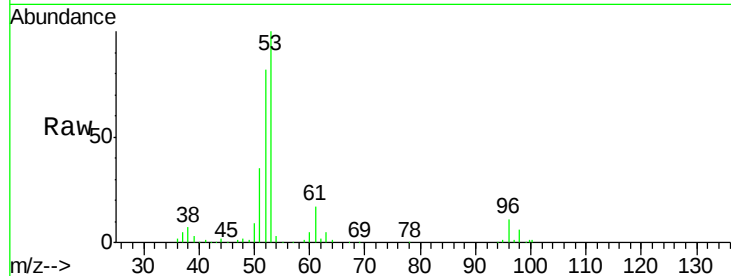
ClientSampled :

VX0402WBS02

Tot Ion:	53	Resp:	123937
Ion Ratio		Lower	Upper
53	100		
52	82.6	66.6	99.8
51	35.9	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 98.48 ug/l

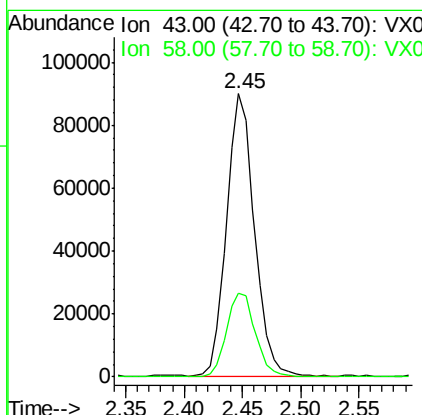
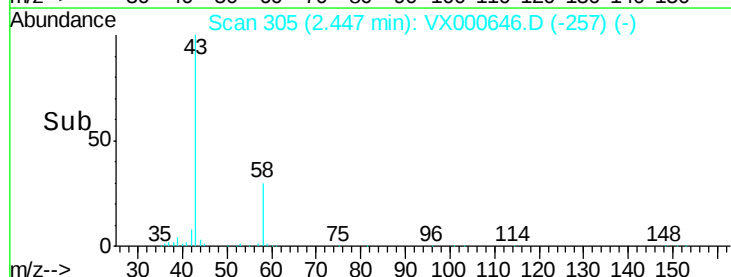
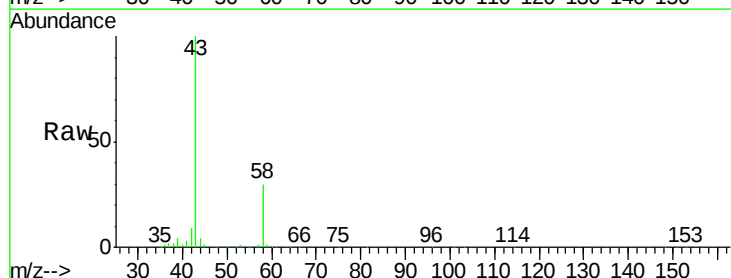
RT: 2.45 min Scan# 305

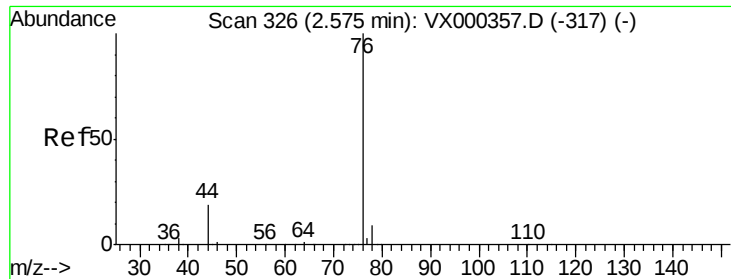
Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Tgt Ion:	43	Resp:	148823
Ion Ratio		Lower	Upper
43	100		
58	29.8	24.7	37.1





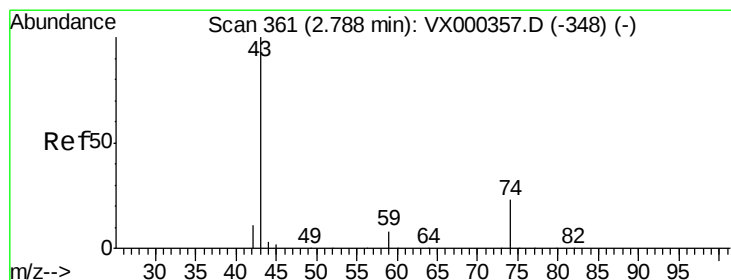
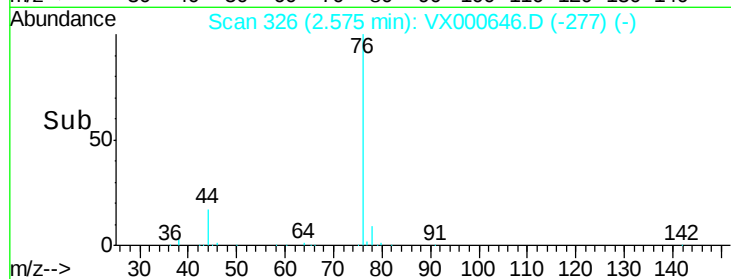
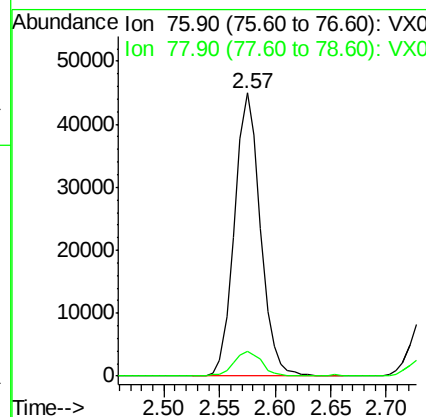
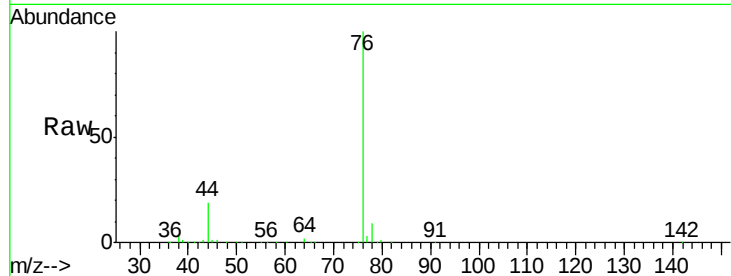
#17
Carbon Disulfide
Concen: 18.13 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

Tot Ion: 76 Resp: 72709
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6

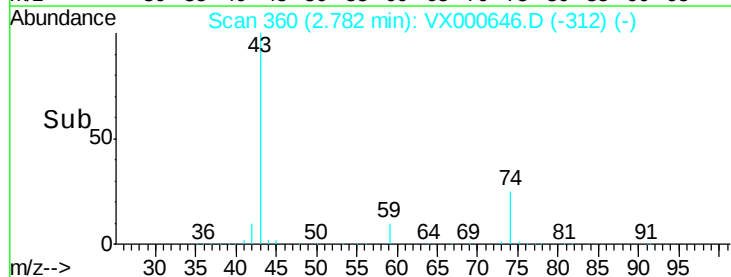
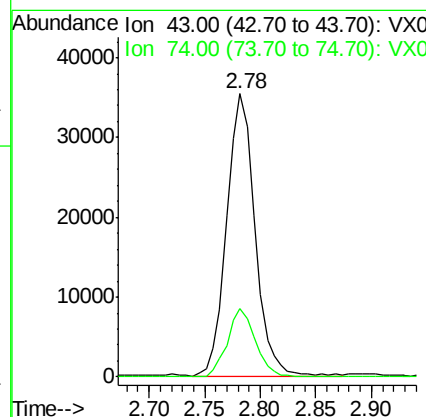
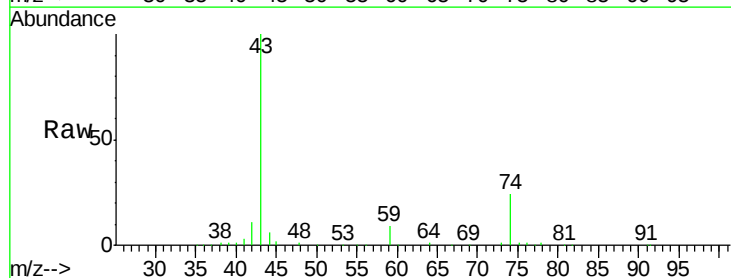
Manual Integrations
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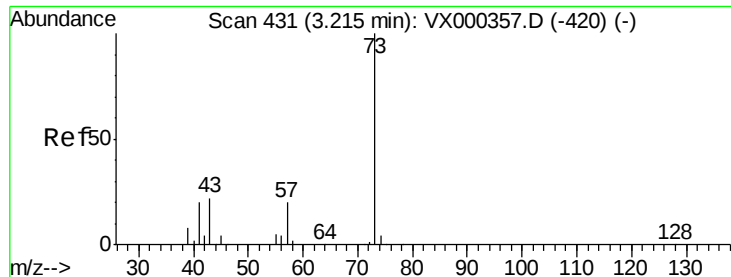
MMDadoda
4/4/2018 5:09:42 PM



#18
Methyl Acetate
Concen: 19.70 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion: 43 Resp: 62400
Ion Ratio Lower Upper
43 100
74 24.2 19.4 29.2





#19

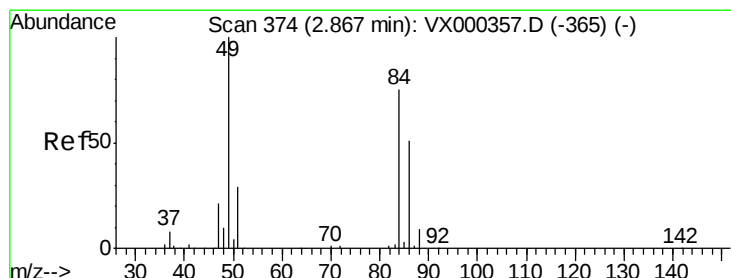
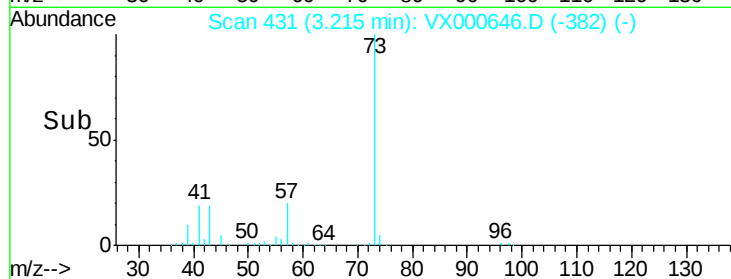
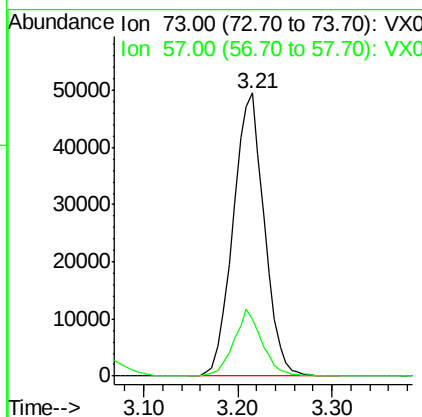
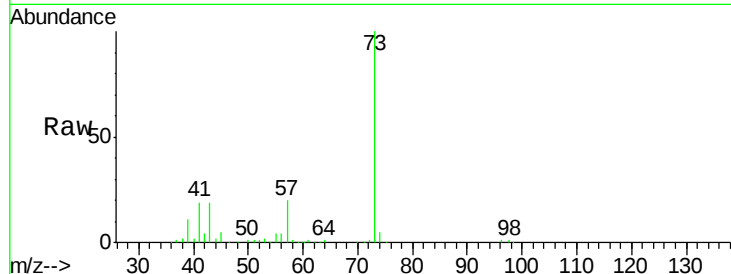
Methyl tert-butyl Ether
 Concen: 20.42 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS02

Tot Ion	73	Resp	113891
Ion Ratio	Lower	Upper	
73	100		
57	20.1	17.2	25.8

Manual Integrations
 APPROVED

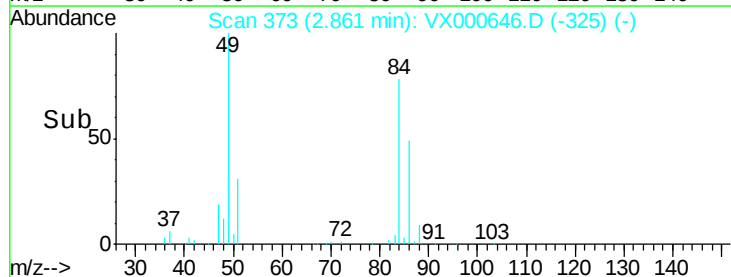
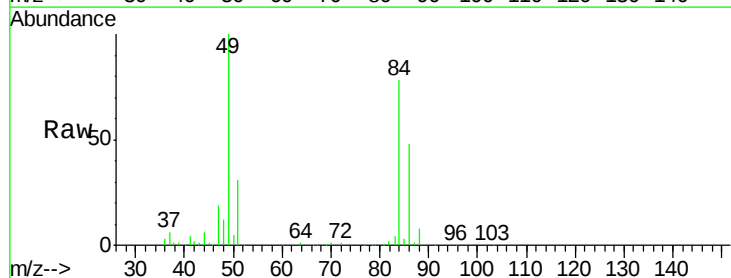
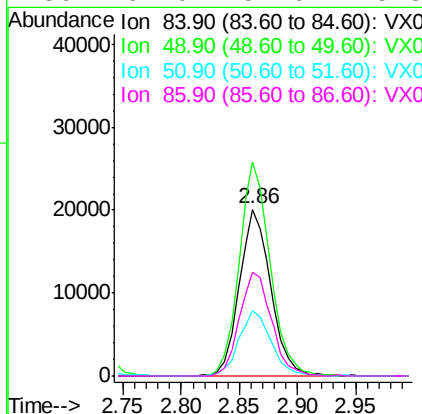
MMDadoda
 4/4/2018 5:09:42 PM

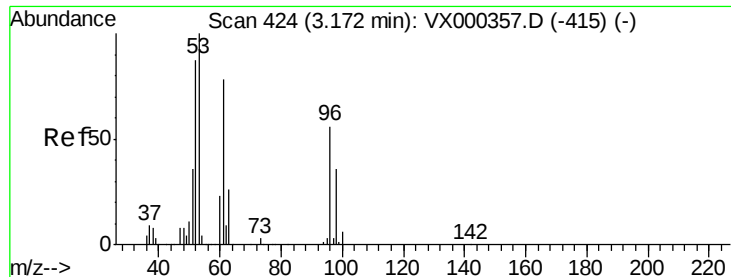


#20

Methylene Chloride
 Concen: 21.70 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Tgt Ion	84	Resp	37870
Ion Ratio	Lower	Upper	
84	100		
49	127.9	100.6	151.0
51	39.4	31.6	47.4
86	62.0	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 19.35 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

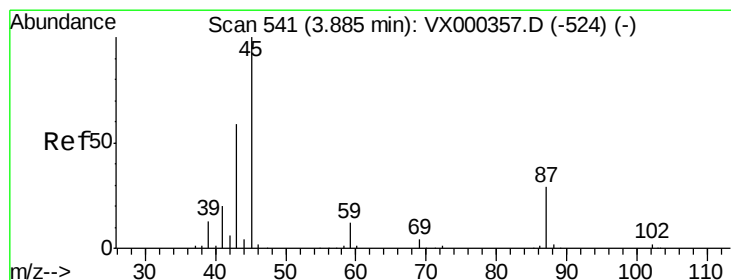
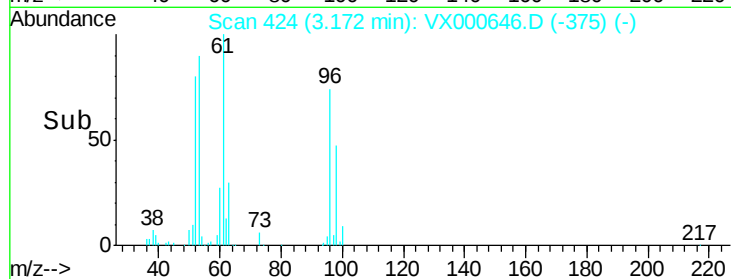
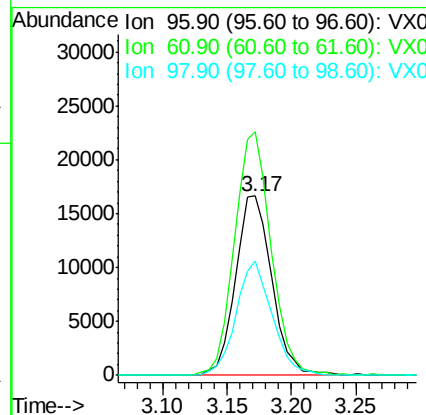
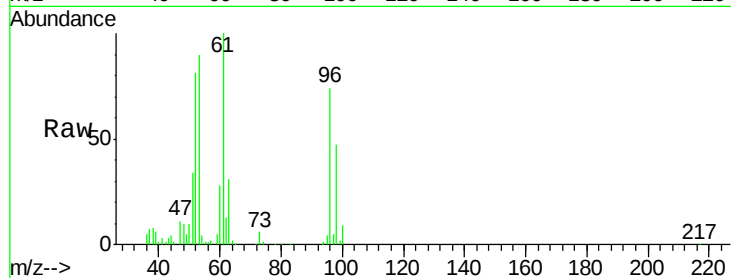
ClientSampleId :

VX0402WBS02

Tot Ion:	96	Resp:	32563
Ion	Ratio	Lower	Upper
96	100		
61	135.4	104.0	156.0
98	63.6	52.1	78.1

Manual Integrations
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MMDadoda
4/4/2018 5:09:42 PM



#22

Diisopropyl ether

Concen: 16.28 ug/l

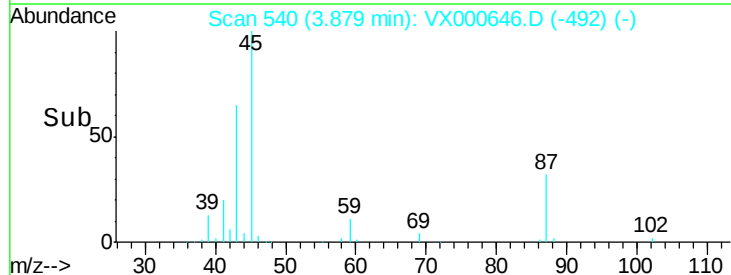
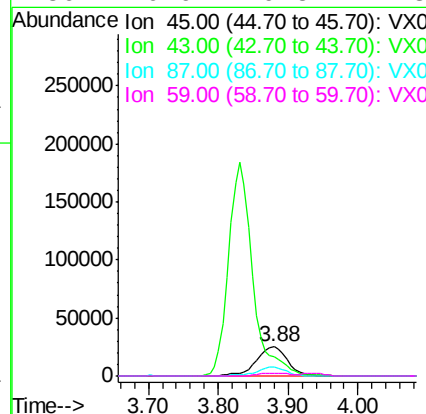
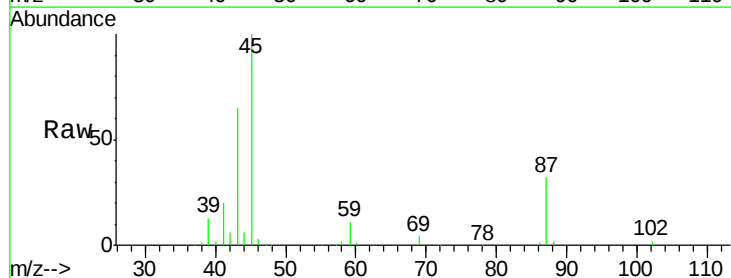
RT: 3.88 min Scan# 540

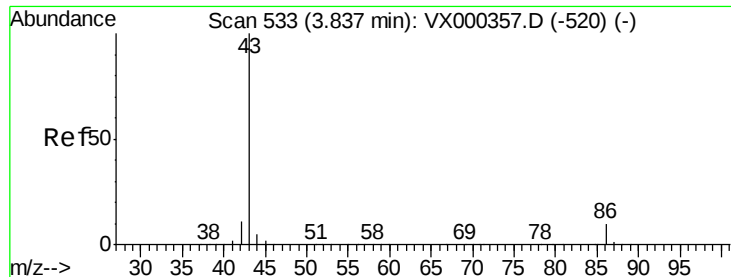
Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Tgt Ion:	45	Resp:	76768
Ion	Ratio	Lower	Upper
45	100		
43	65.0	53.9	80.9
87	32.0	22.6	34.0
59	10.9	9.5	14.3





#23

Vinyl Acetate

Concen: 99.78 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS02

Tot Ion: 43 Resp: 446034

Ion Ratio Lower Upper

43 100

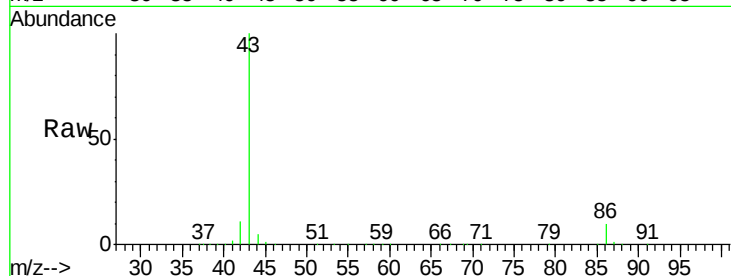
86 9.9 8.6 12.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

200000

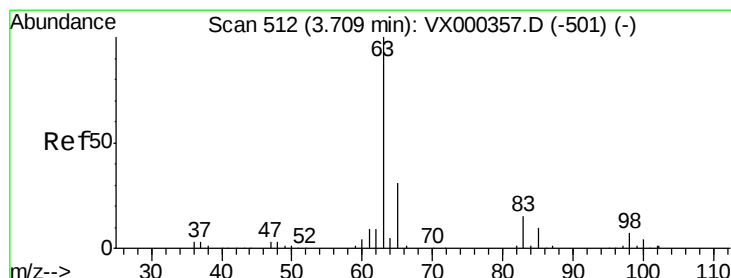
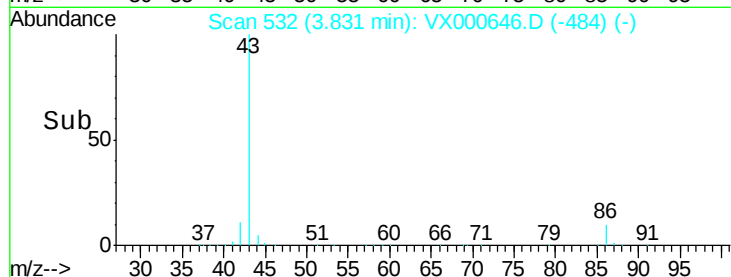
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.70 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

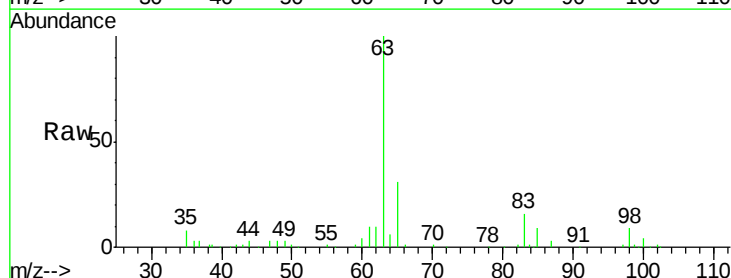
Tgt Ion: 63 Resp: 58417

Ion Ratio Lower Upper

63 100

98 8.8 3.3 9.9

100 4.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

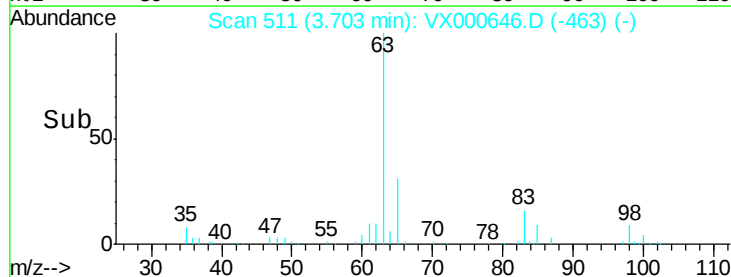
30000

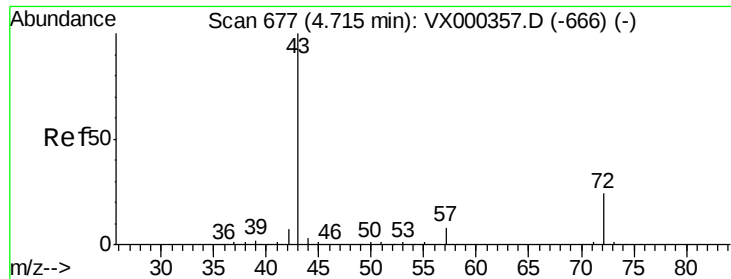
20000

10000

0

Time-->





#25

2-Butanone

Concen: 85.06 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 43 Resp: 144480

Ion Ratio Lower Upper

43 100

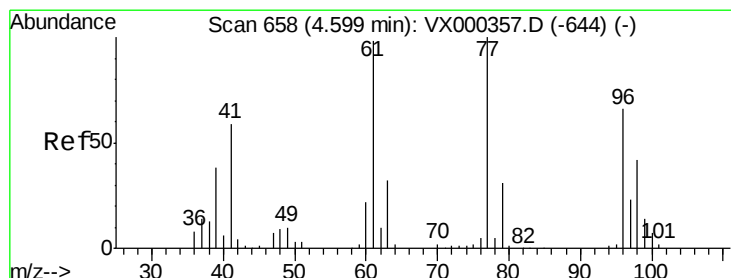
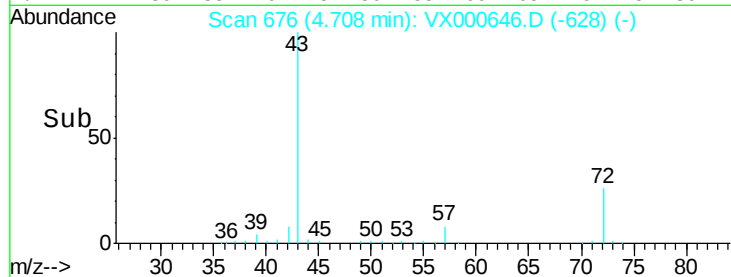
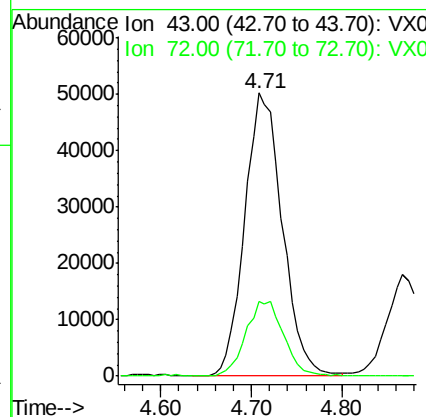
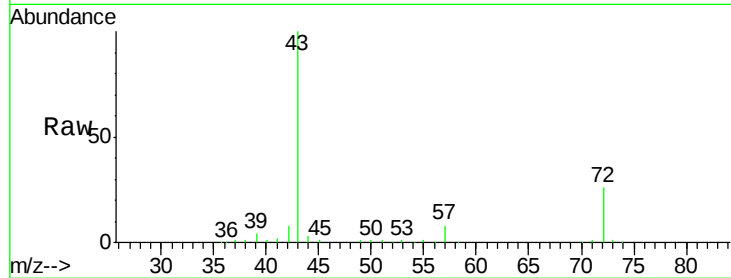
72 26.3 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

4/4/2018 5:09:42 PM



#26

2,2-Dichloropropane

Concen: 17.83 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX000646.D

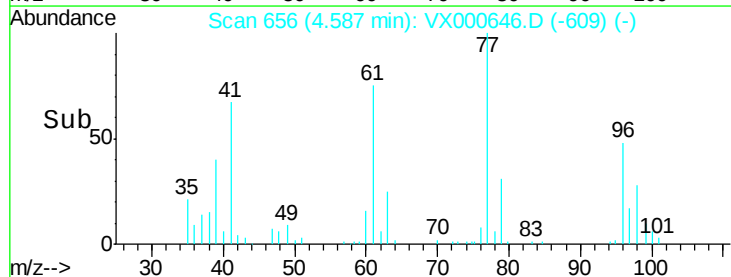
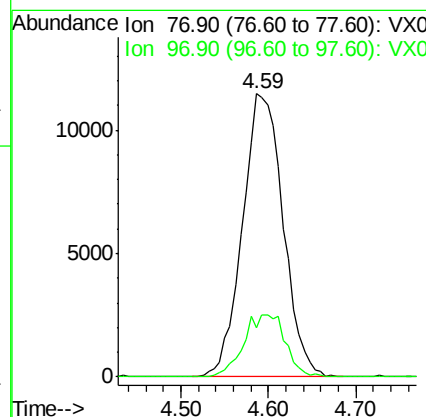
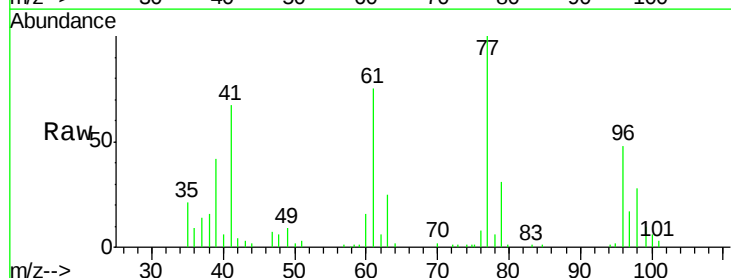
Acq: 02 Apr 2018 18:58

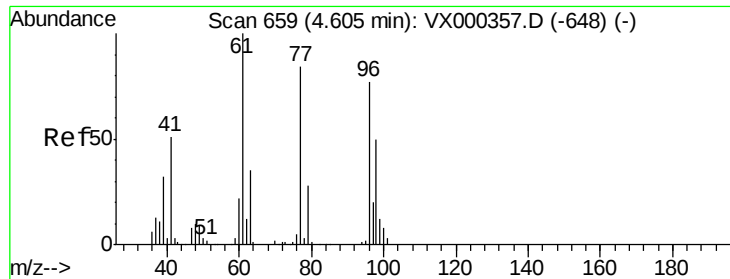
Tgt Ion: 77 Resp: 37040

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.8





#27

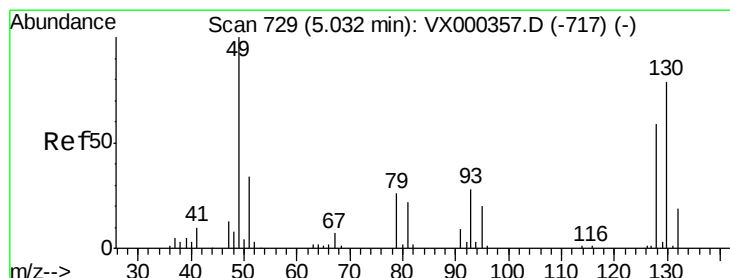
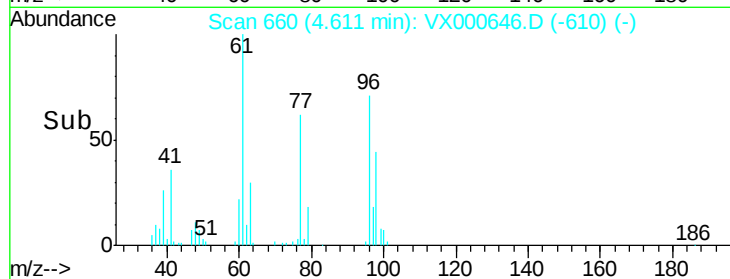
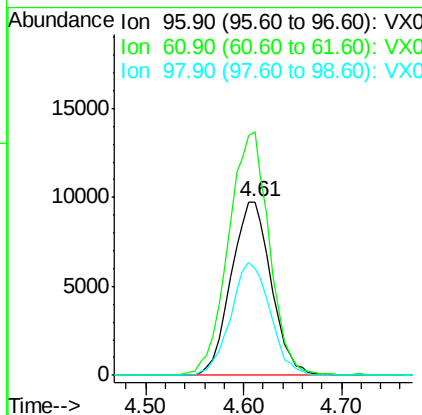
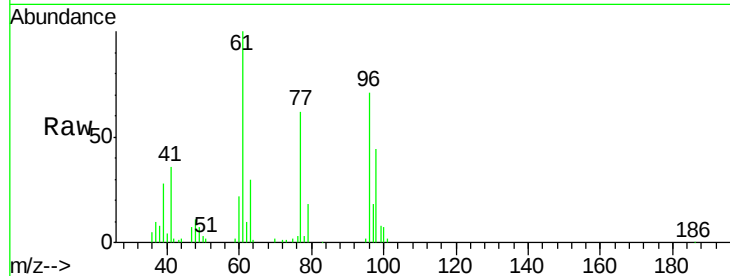
cis-1,2-Dichloroethene
 Concen: 17.59 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	27656		
61	143.3		0.0	291.6
98	64.1		0.0	132.0

Manual Integrations
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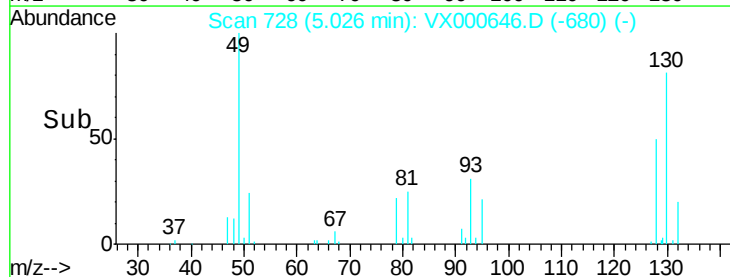
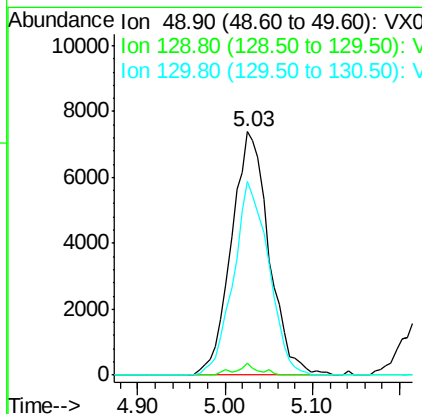
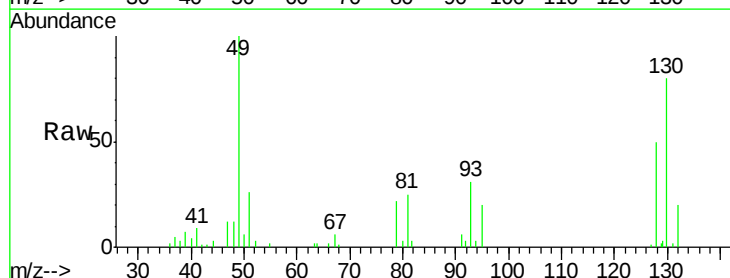
MMDadoda
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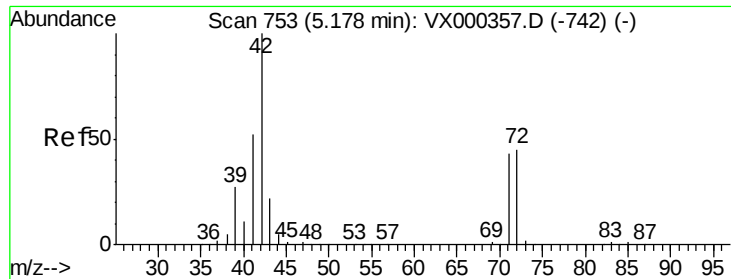


#28

Bromochloromethane
 Concen: 18.03 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.01 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	22046		
129	2.3		0.0	5.0
130	74.8		64.0	96.0





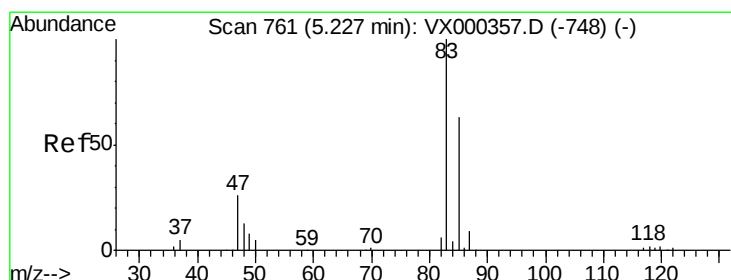
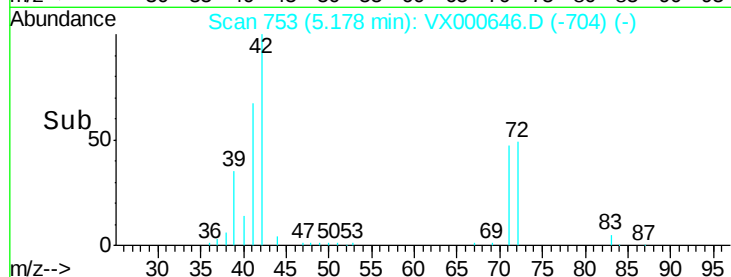
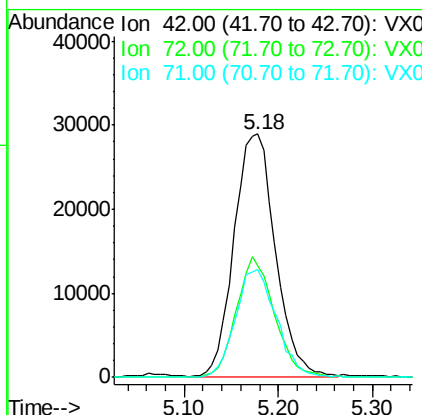
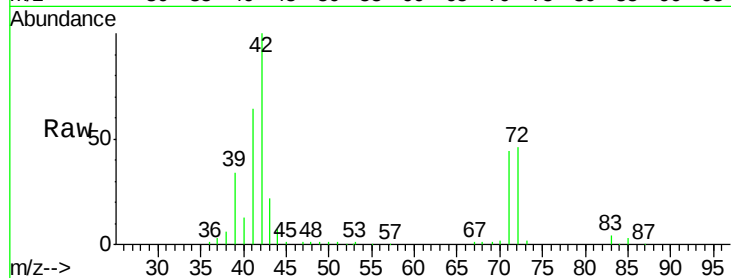
#29
Tetrahydrofuran
Concen: 84.27 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.9	56.9
71	44.2	34.4	51.6

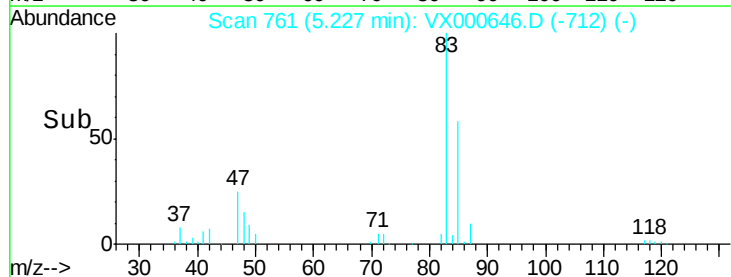
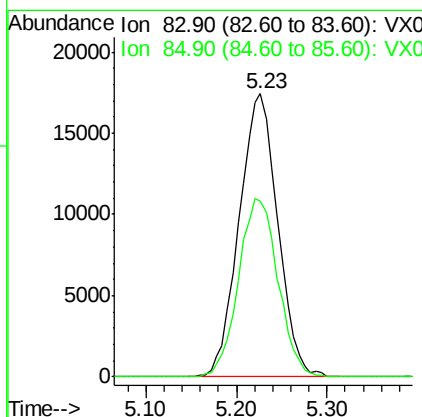
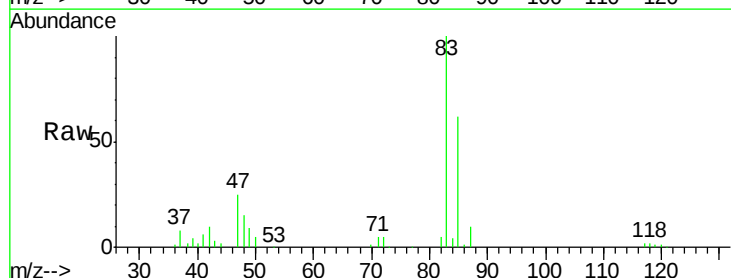
Manual Integrations
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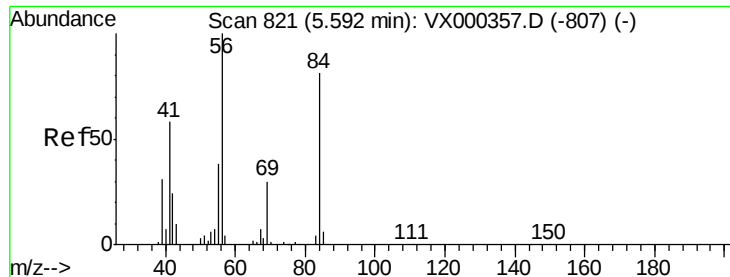
MMDadoda
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#30
Chloroform
Concen: 18.47 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	53.3	79.9





#31

Cyclohexane

Concen: 17.38 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

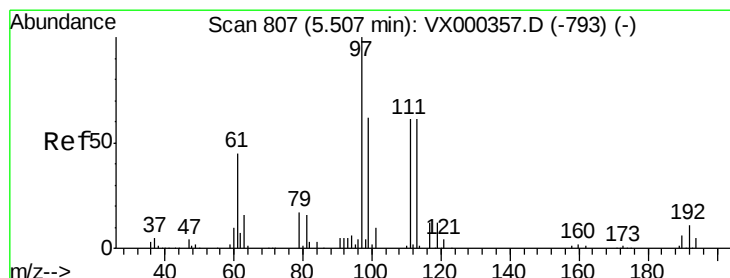
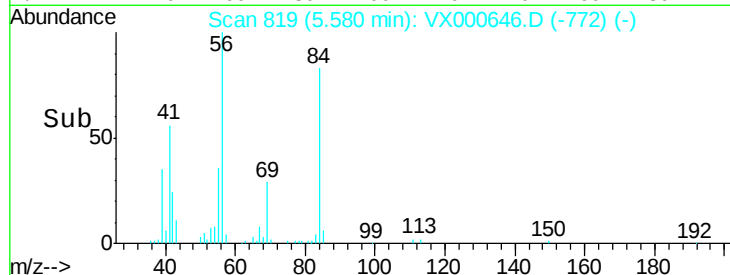
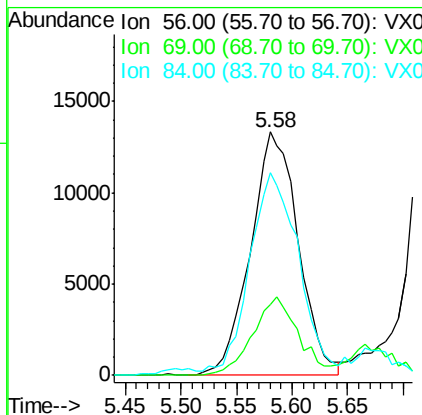
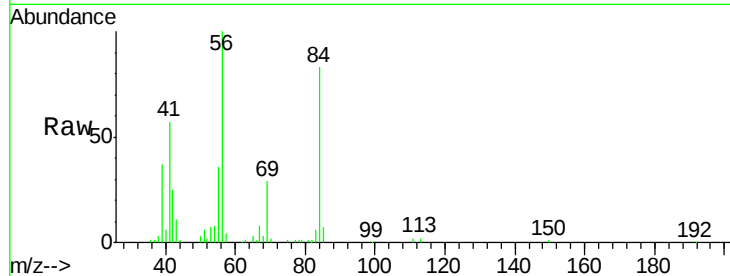
ClientSampleId :

VX0402WBS02

Tot Ion:	56	Resp:	39833
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.0
84	80.6	71.0	106.4

Manual Integrations
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4/4/2018 5:09:42 PM



#32

1,1,1-Trichloroethane

Concen: 17.82 ug/l

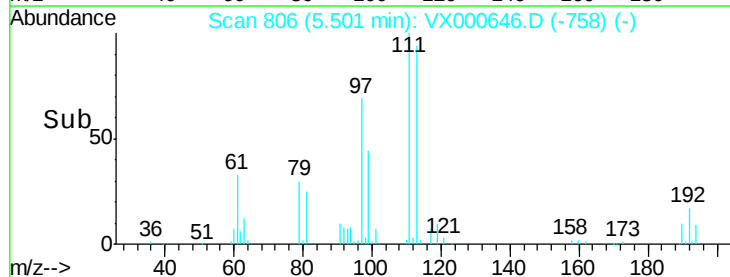
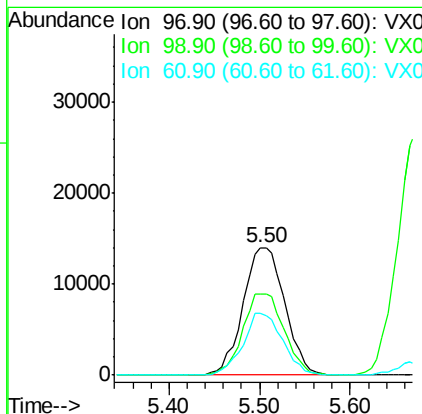
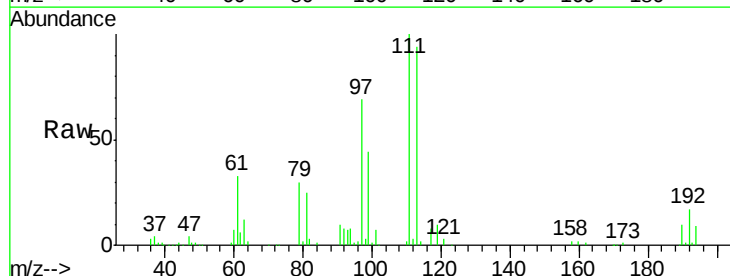
RT: 5.50 min Scan# 806

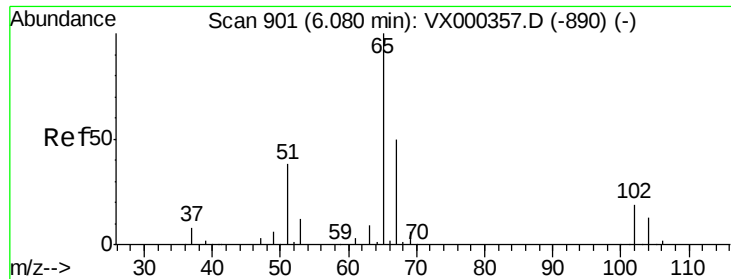
Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Tgt Ion:	97	Resp:	44656
Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.1	78.1
61	45.9	36.2	54.4





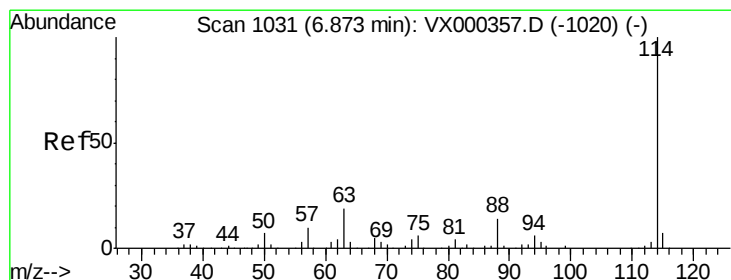
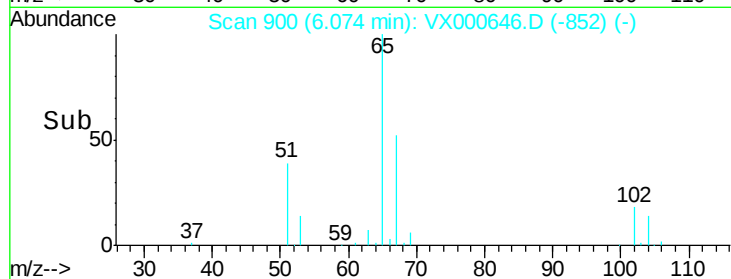
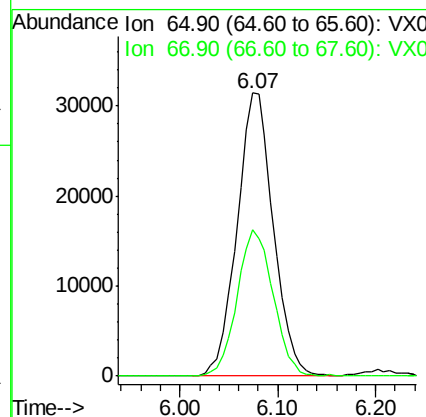
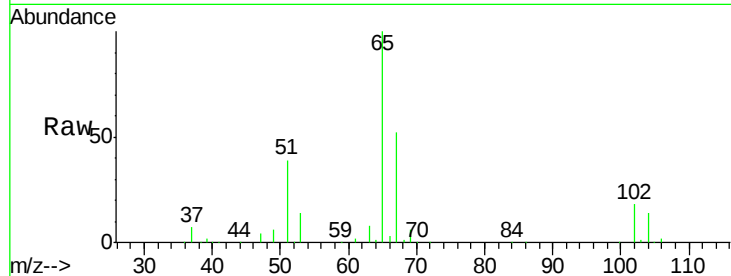
#33
 1,2-Dichloroethane-d4
 Concen: 44.44 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	80735		
67	51.3		0.0	103.2

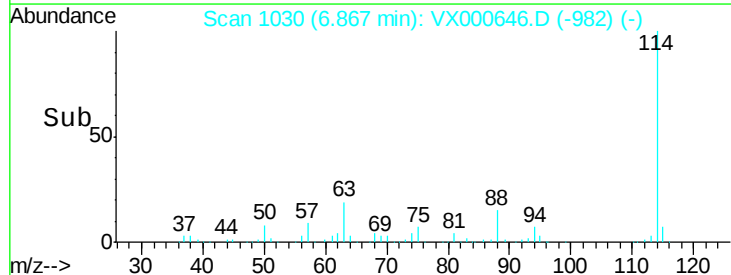
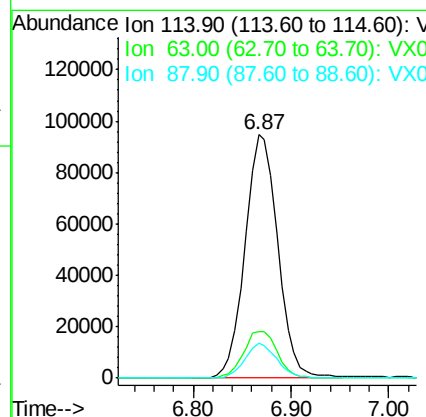
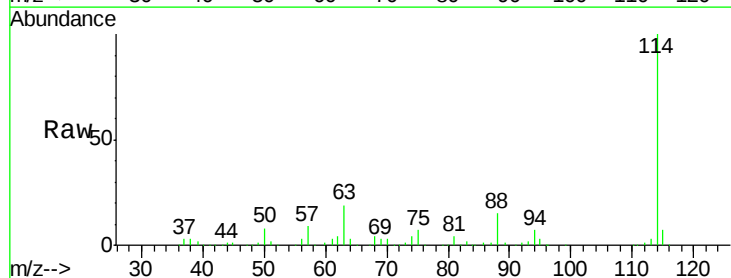
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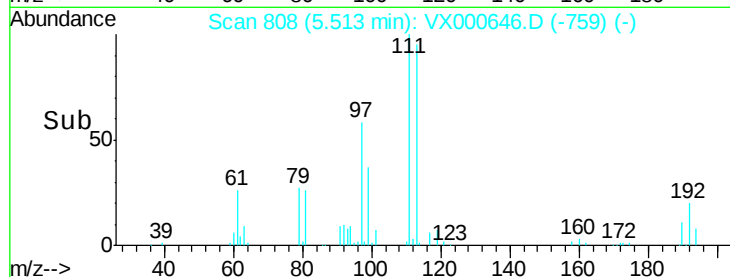
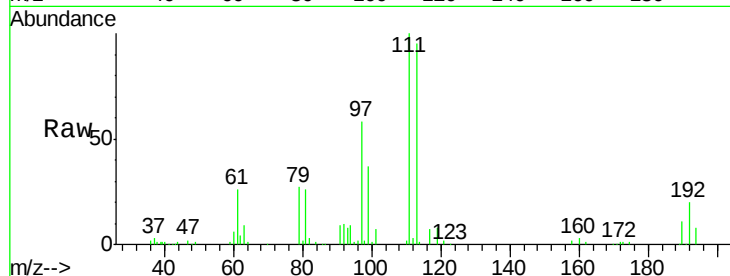
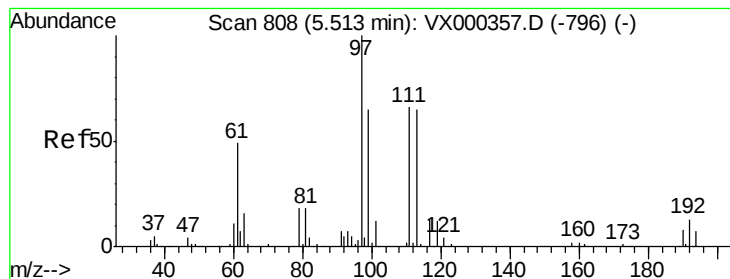
MMDadoda
 4/4/2018 5:09:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	221342		
63	19.0		0.0	38.4
88	14.6		0.0	27.0





#35

Dibromofluoromethane

Concen: 45.49 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000646.D

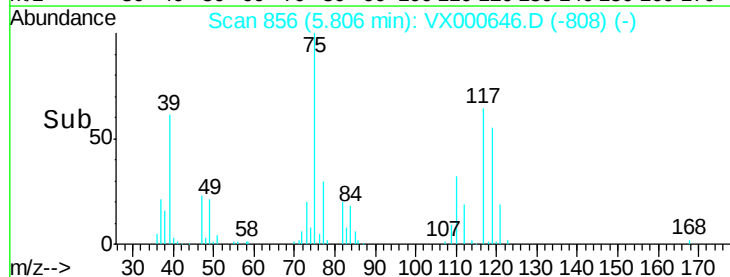
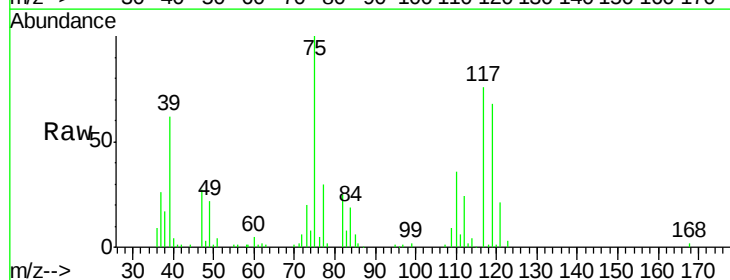
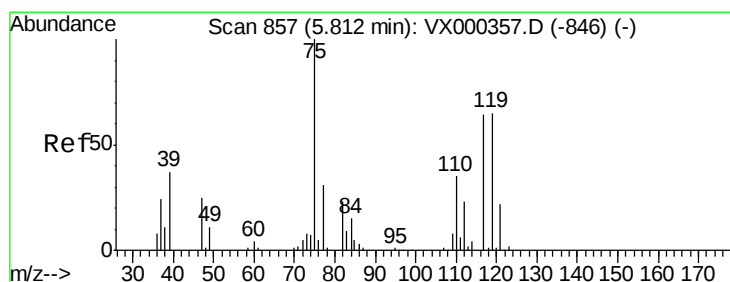
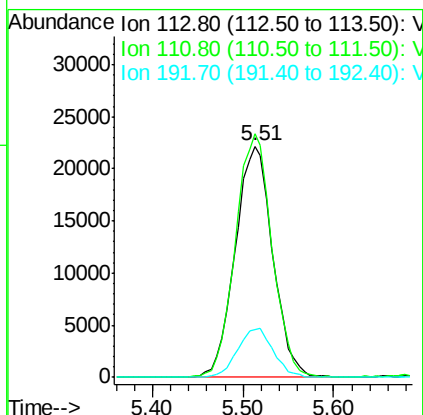
Acq: 02 Apr 2018 18:58

Tot Ion:	113	Resp:	63443
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.4	123.6
192	20.1	15.8	23.6

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.51 ug/l

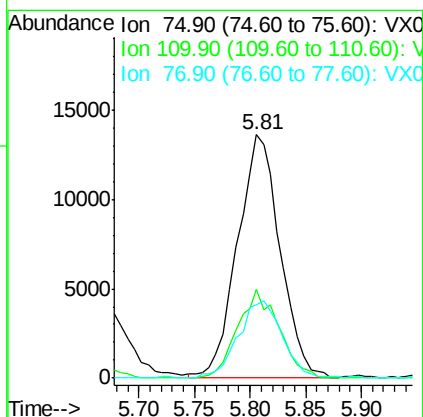
RT: 5.81 min Scan# 856

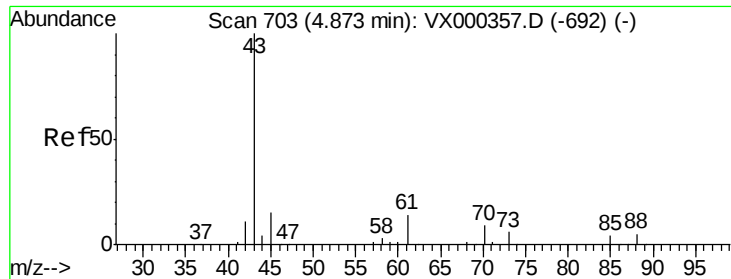
Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Tgt Ion:	75	Resp:	36303
Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.9	53.7
77	32.9	24.0	36.0





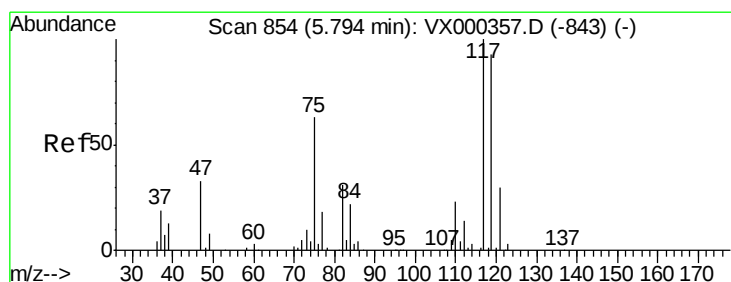
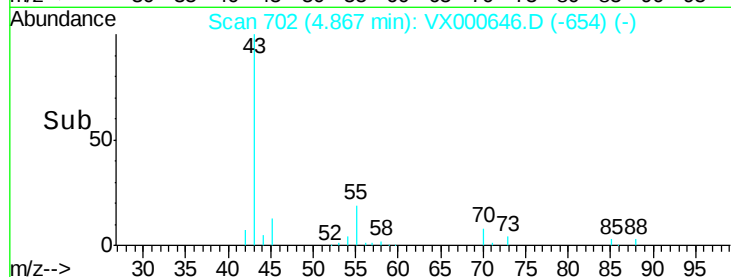
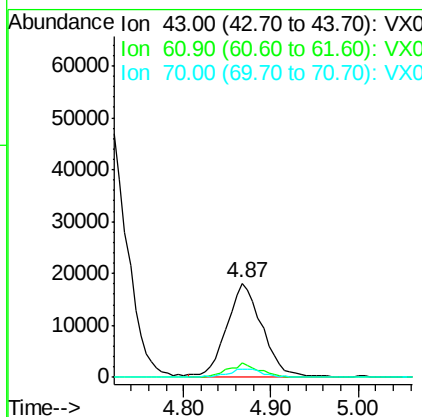
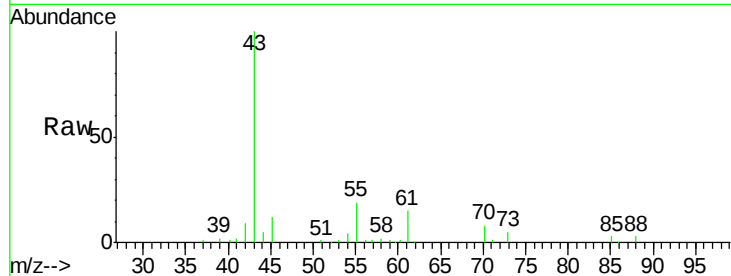
#37
Ethyl Acetate
Concen: 17.99 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.1	16.7
70	8.8	7.7	11.5

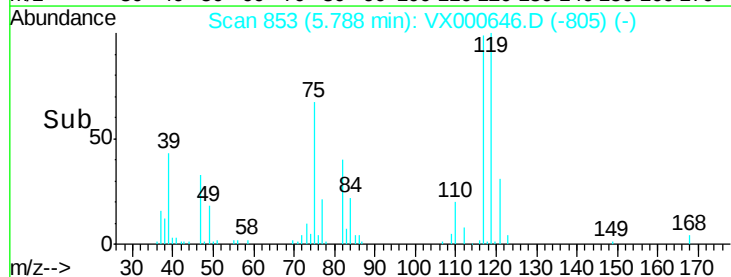
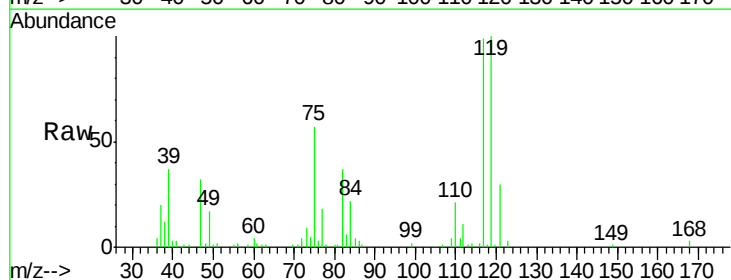
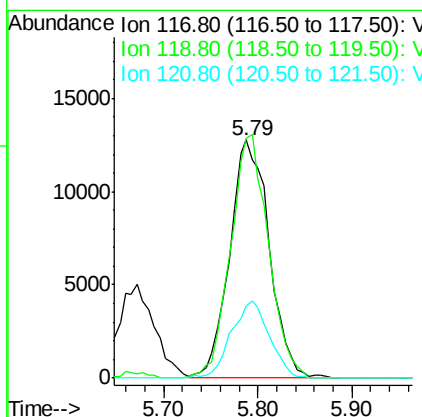
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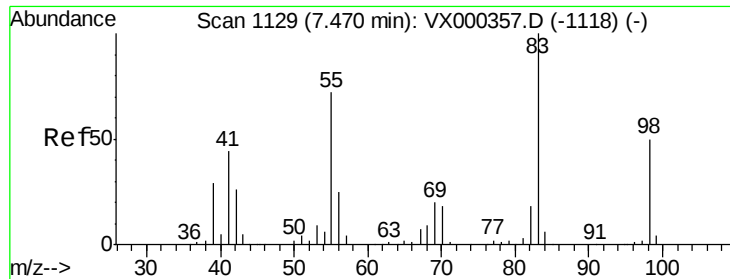
MMDadoda
4/4/2018 5:09:42 PM



#38
Carbon Tetrachloride
Concen: 17.18 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.7	77.4	116.2
121	30.1	24.8	37.2





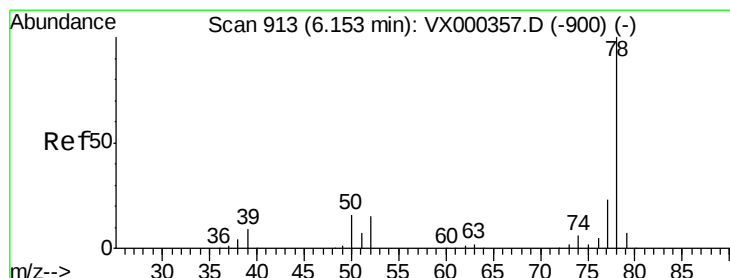
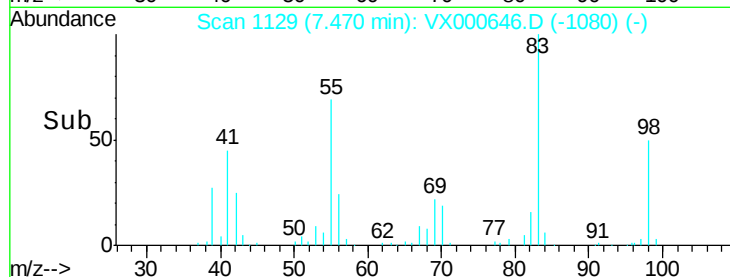
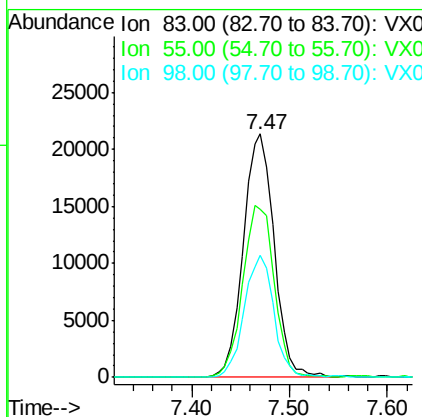
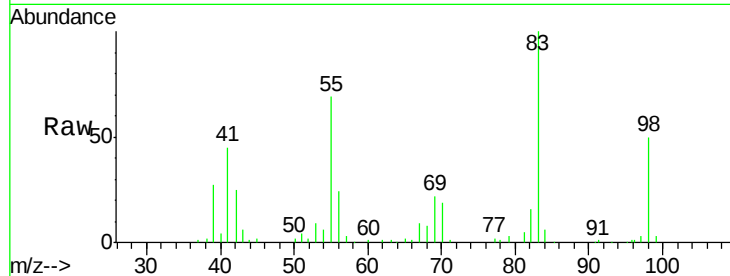
#39
Methvlcvclohexane
Concen: 18.59 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	83	Resp	46870
Ion Ratio	100	Lower	Upper
83	100		
55	68.9	55.5	83.3
98	50.3	38.2	57.4

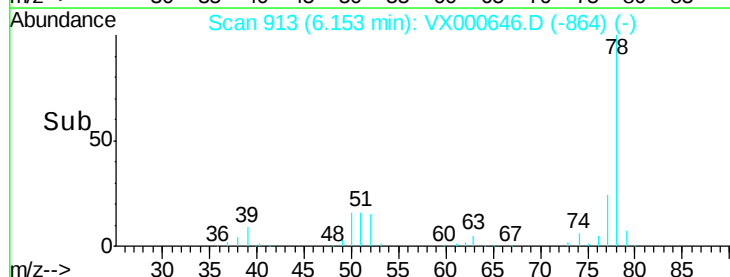
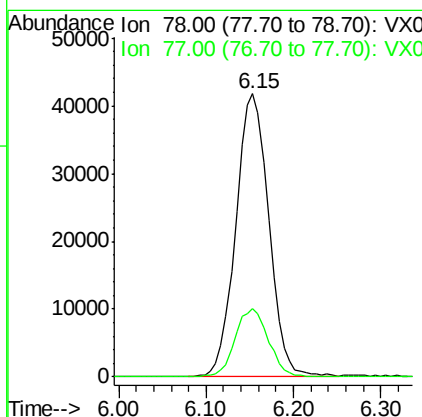
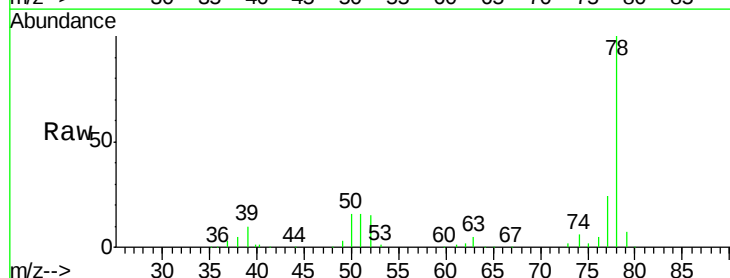
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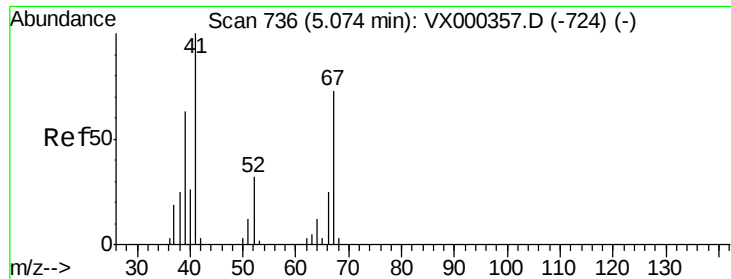
MMDadoda
4/4/2018 5:09:42 PM



#40
Benzene
Concen: 18.25 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion	78	Resp	109905
Ion Ratio	100	Lower	Upper
78	100		
77	24.2	18.7	28.1





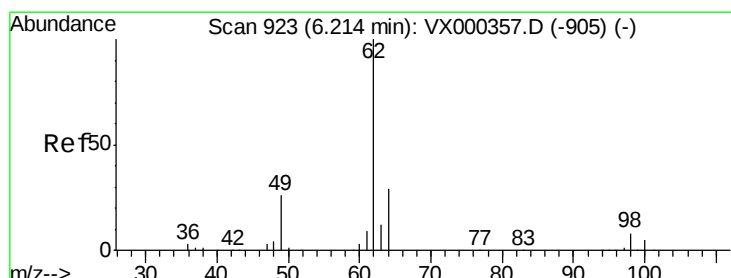
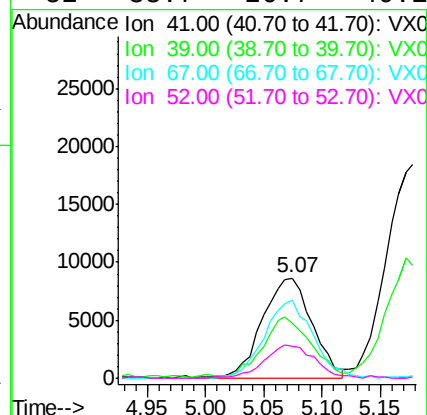
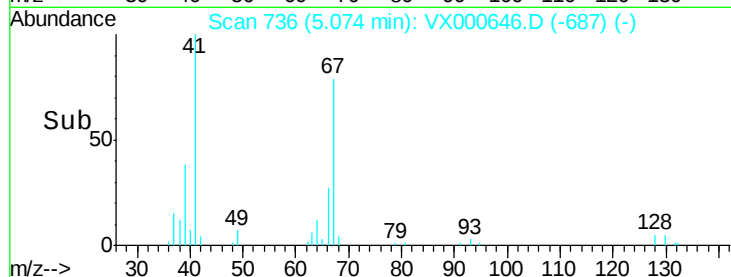
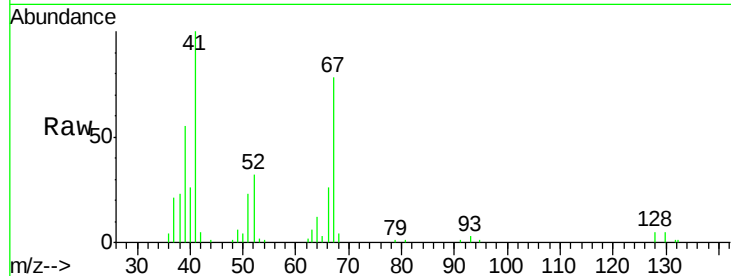
#41
Methacrylonitrile
Concen: 17.21 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion:	41	Resp:	25696
Ion	Ratio	Lower	Upper
41	100		
39	56.0	45.7	68.5
67	76.3	57.8	86.8
52	33.7	26.7	40.1

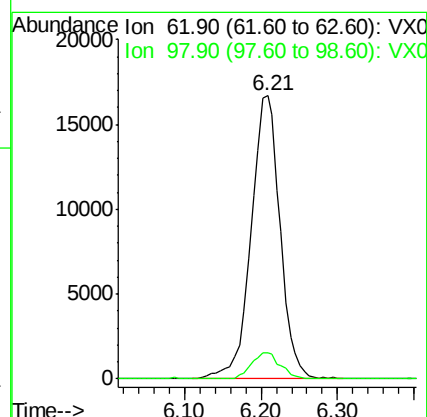
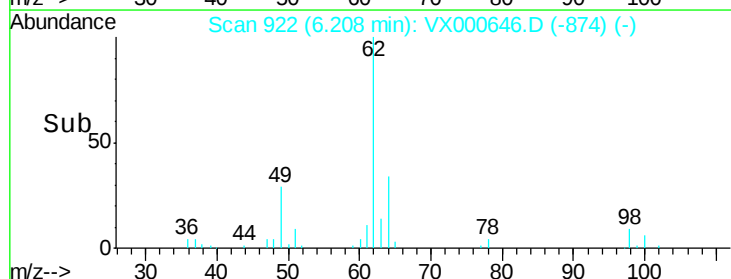
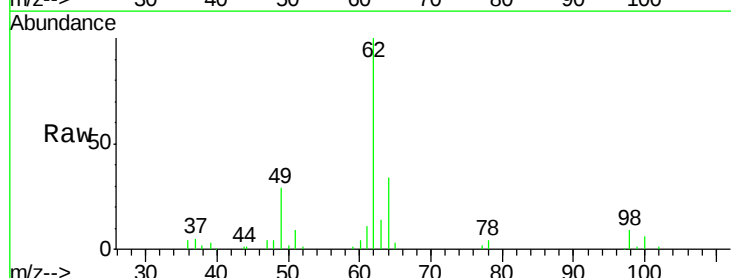
Manual Integrations
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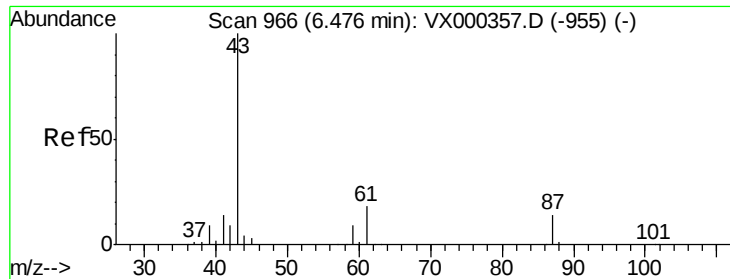
MMDadoda
4/4/2018 5:09:42 PM



#42
1,2-Dichloroethane
Concen: 18.62 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.01 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion:	62	Resp:	43985
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	15.8





#43

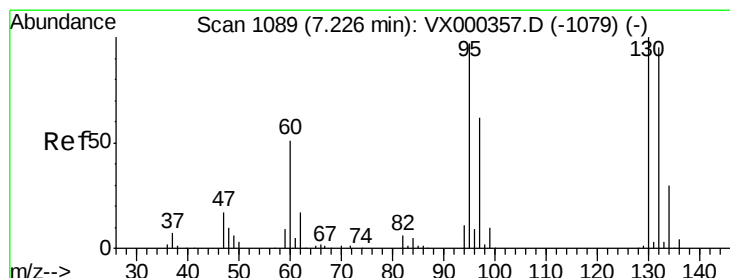
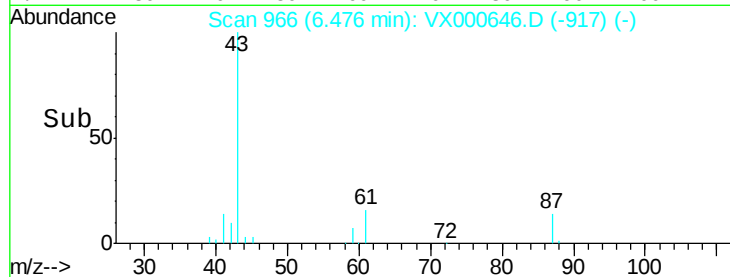
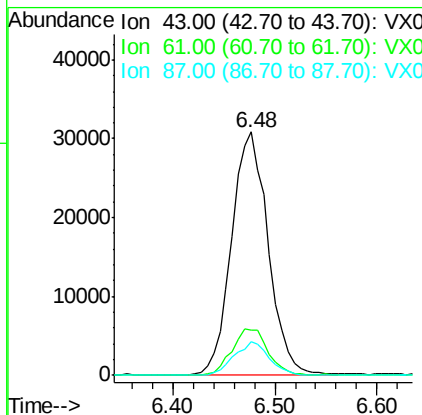
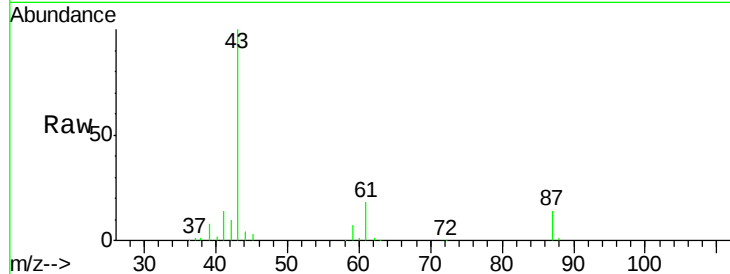
Isopropyl Acetate
 Concen: 18.25 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.4	21.6
87	13.1	11.0	16.4

Manual Integrations
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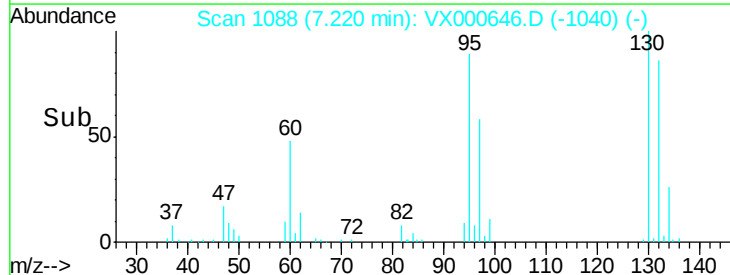
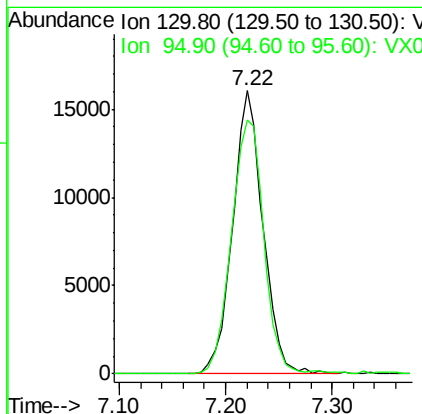
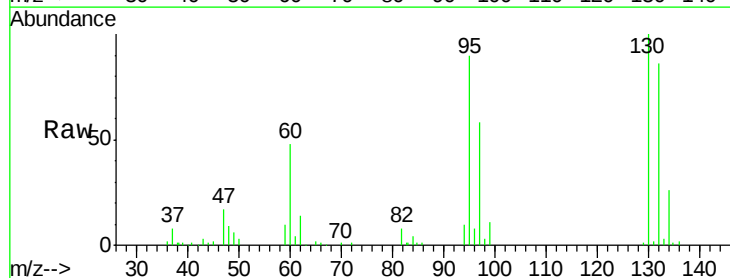
MMDadoda
 4/4/2018 5:09:42 PM



#44

Trichloroethene
 Concen: 18.53 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	186.0





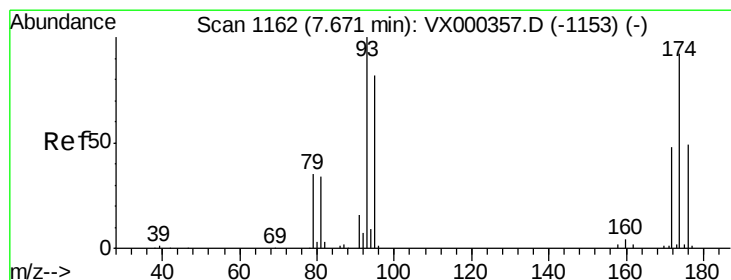
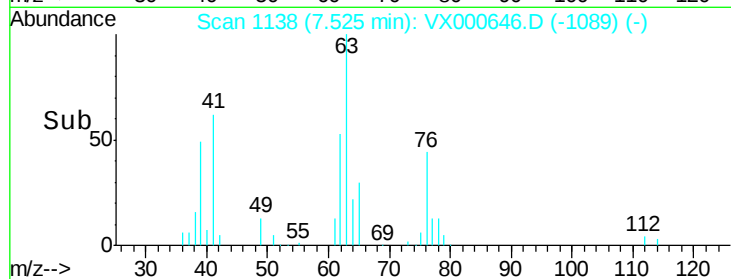
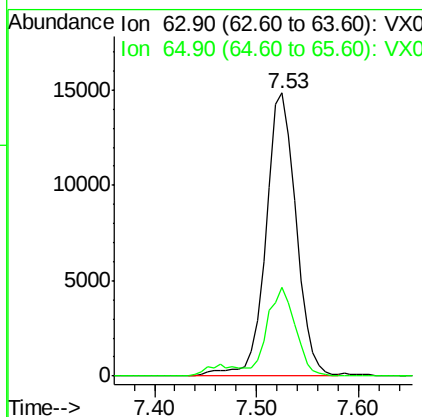
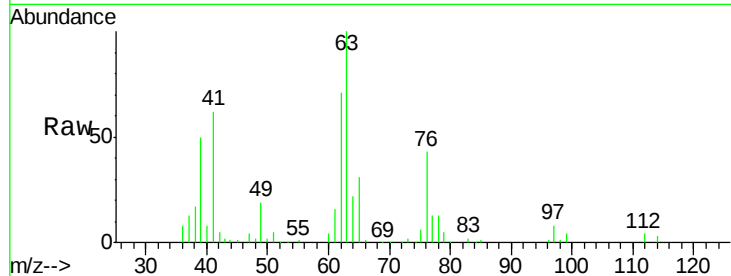
#45
 1,2-Dichloropropane
 Concen: 19.75 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion: 63 Resp: 30444
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 36.8

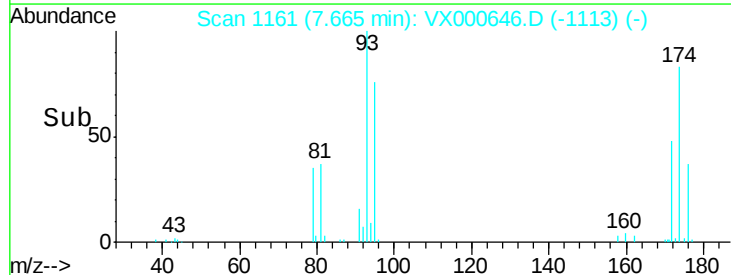
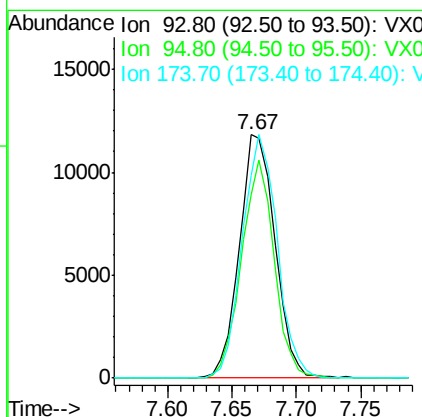
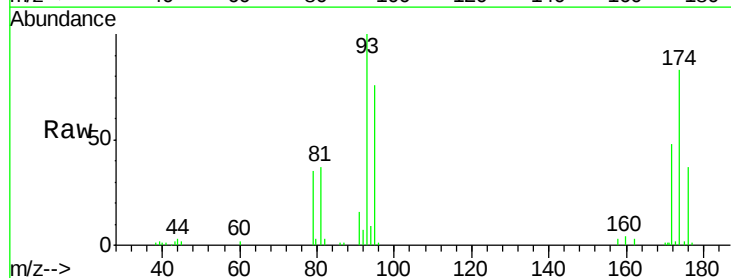
Manual Integrations
 APPROVED

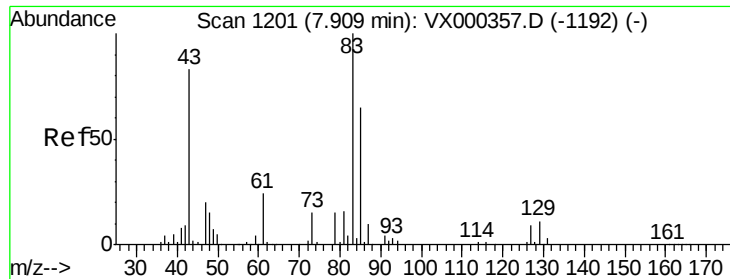
MMDadoda
 4/4/2018 5:09:42 PM



#46
 Dibromomethane
 Concen: 18.73 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Tgt Ion: 93 Resp: 22656
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.5 99.7
 174 97.7 76.0 114.0





#47

Bromodichloromethane

Concen: 19.35 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

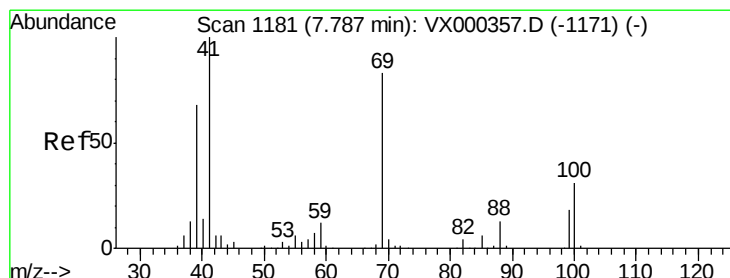
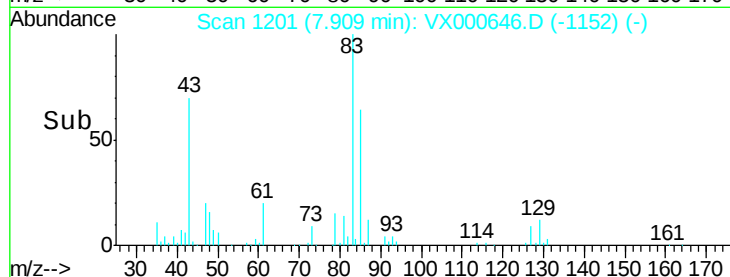
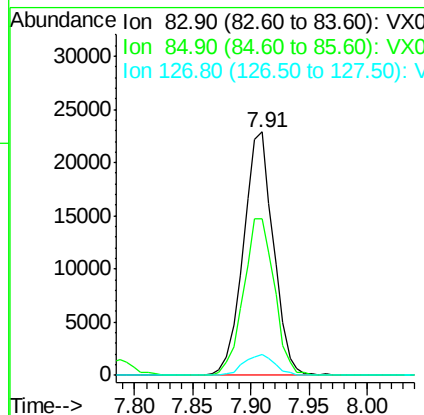
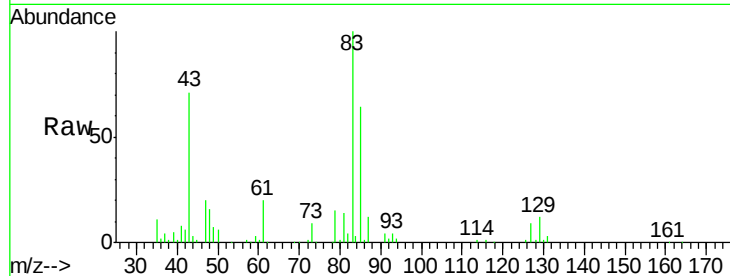
ClientSampleId :

VX0402WBS02

Tot Ion:	83	Resp:	41178
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.0
127	8.7	7.0	10.6

Manual Integrations
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4/4/2018 5:09:42 PM



#48

Methyl methacrylate

Concen: 18.68 ug/l

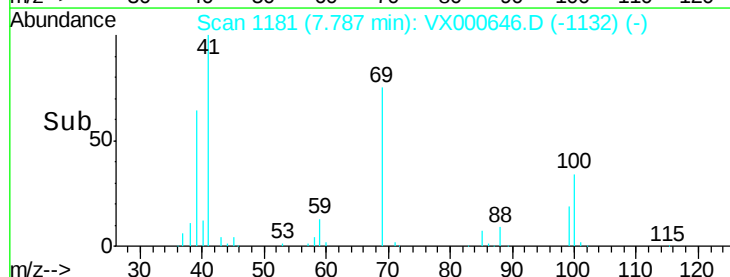
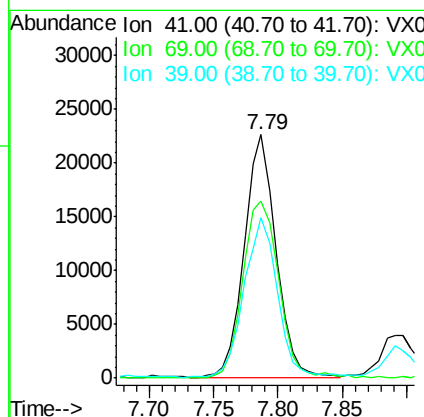
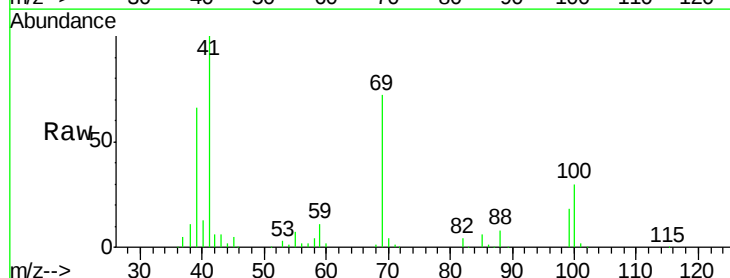
RT: 7.79 min Scan# 1181

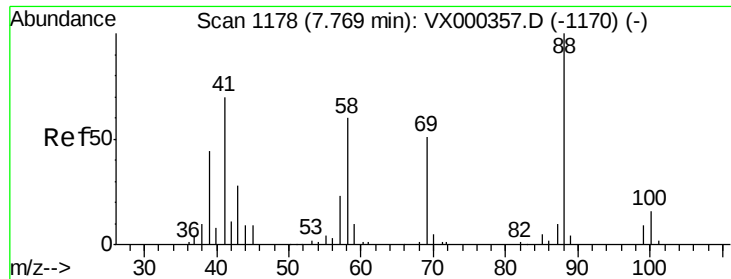
Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Tgt Ion:	41	Resp:	38230
Ion	Ratio	Lower	Upper
41	100		
69	83.5	68.2	102.4
39	69.1	54.6	81.8





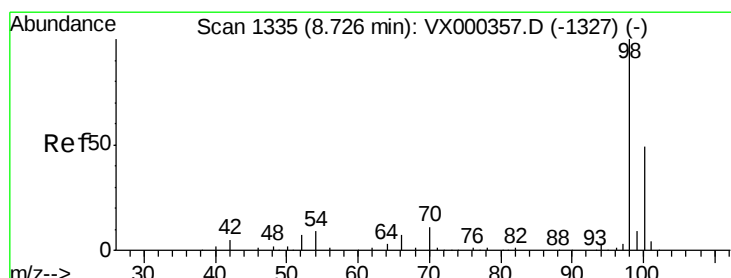
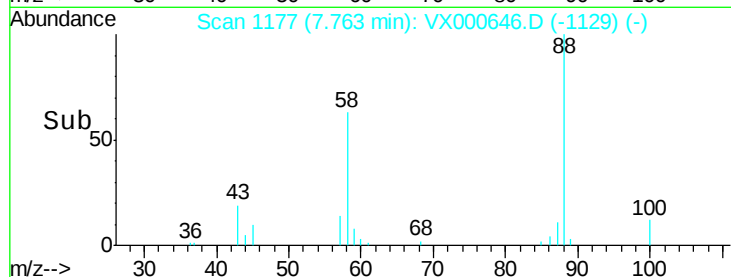
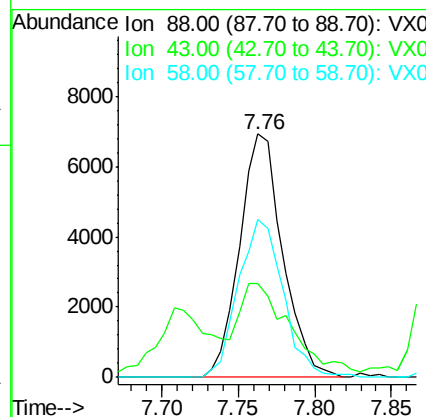
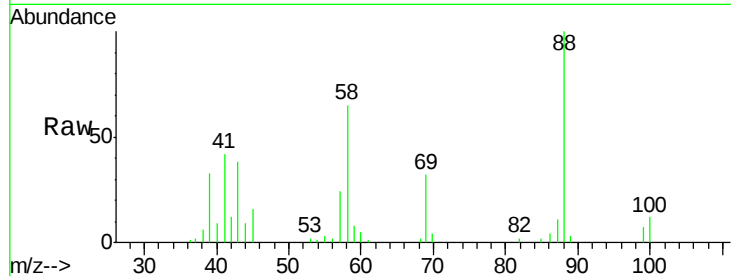
#49
1,4-Dioxane
Concen: 314.41 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	26.8	40.2
58	67.6	52.2	78.2

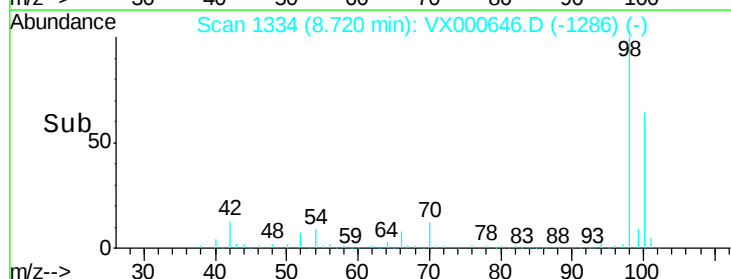
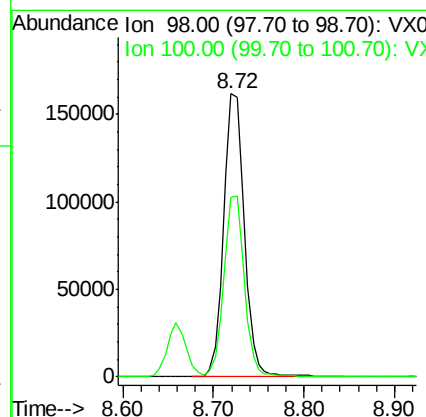
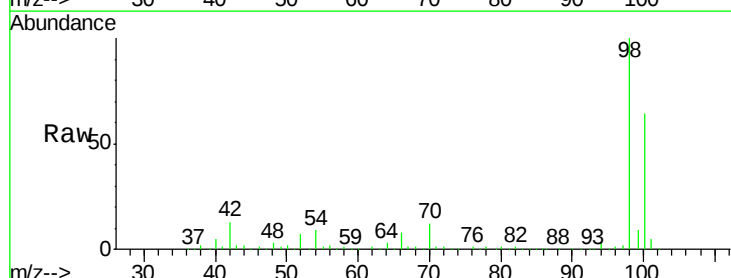
Manual Integrations
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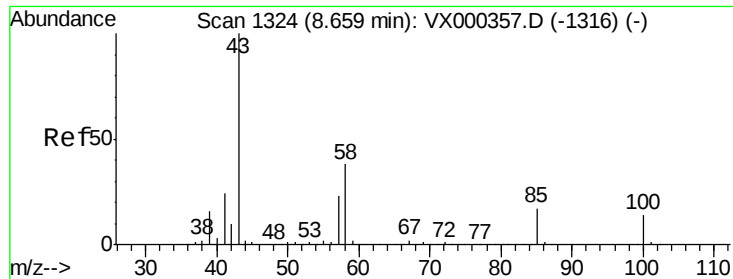
MMDadoda
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#50
Toluene-d8
Concen: 44.79 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 93.81 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS02

Tot Ion: 43 Resp: 306121

Ion Ratio Lower Upper

43 100

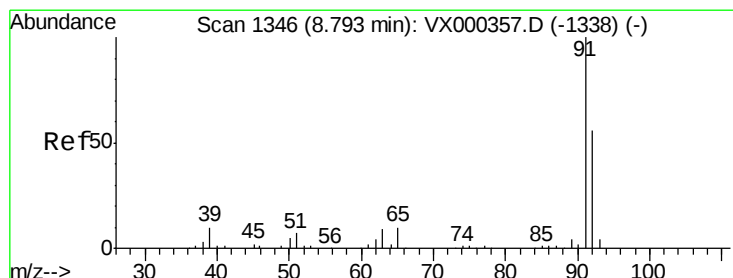
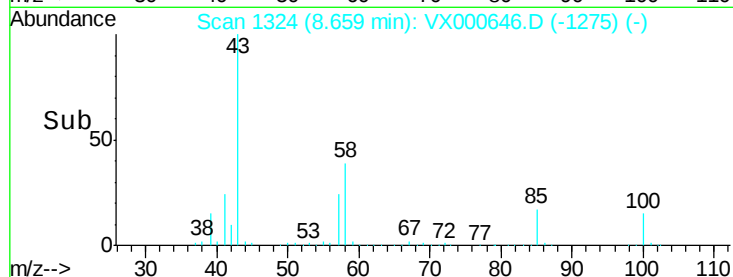
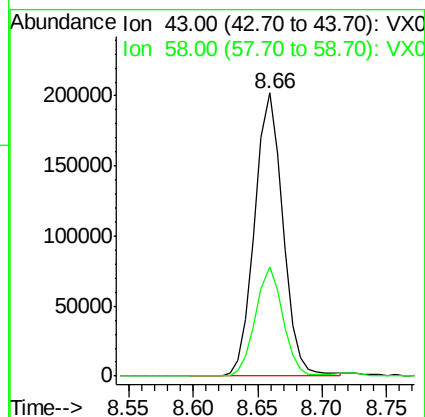
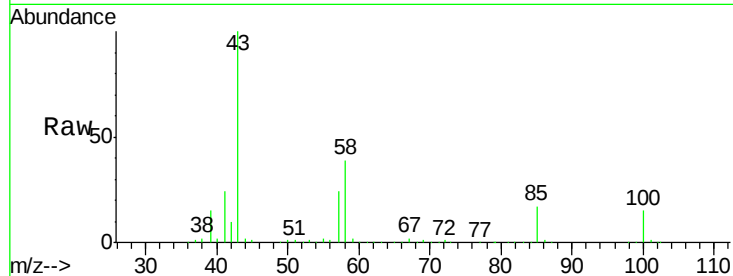
58 37.5 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 18.99 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000646.D

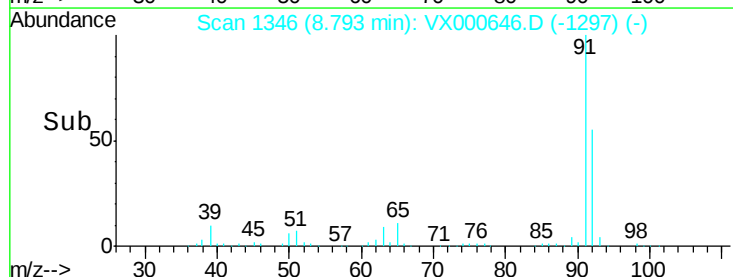
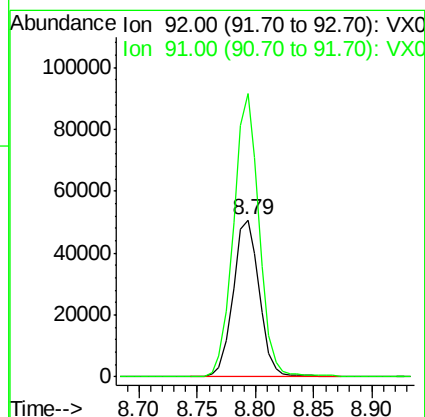
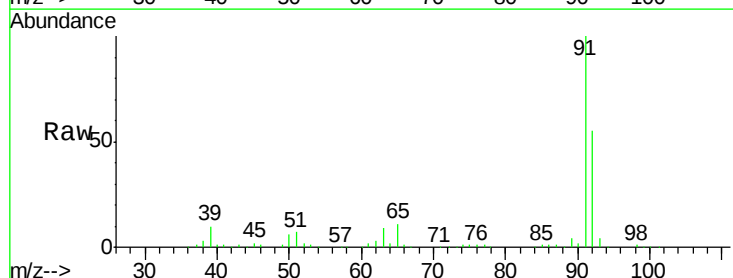
Acq: 02 Apr 2018 18:58

Tgt Ion: 92 Resp: 79923

Ion Ratio Lower Upper

92 100

91 175.7 140.2 210.2





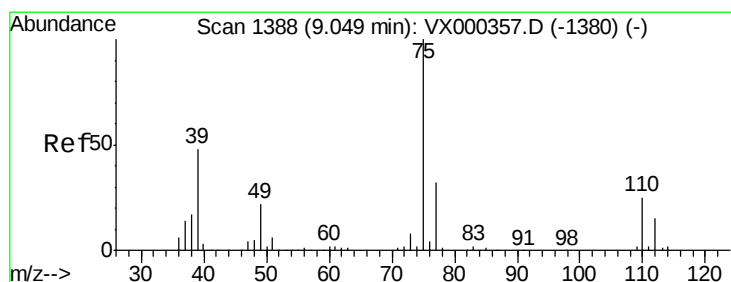
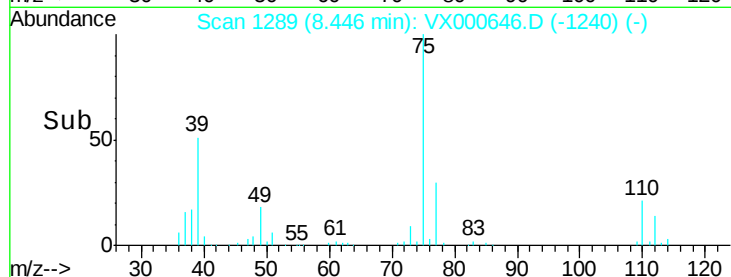
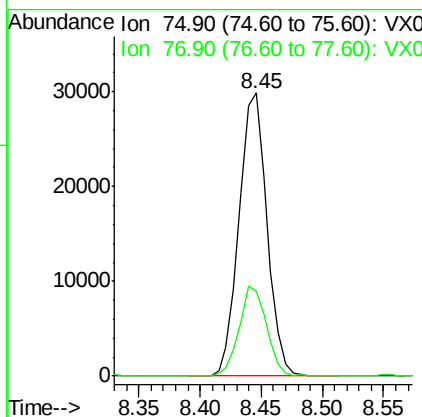
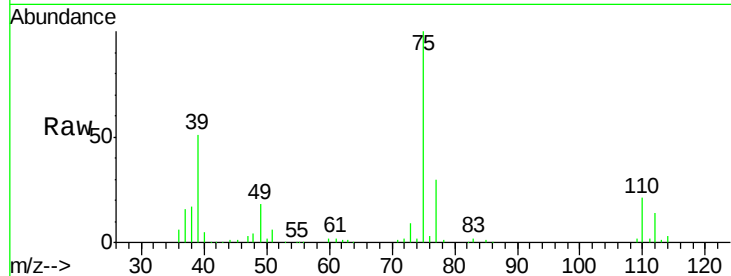
#53
t-1,3-Dichloropropene
Concen: 19.17 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion: 75 Resp: 47269
Ion Ratio Lower Upper
75 100
77 29.9 24.0 36.0

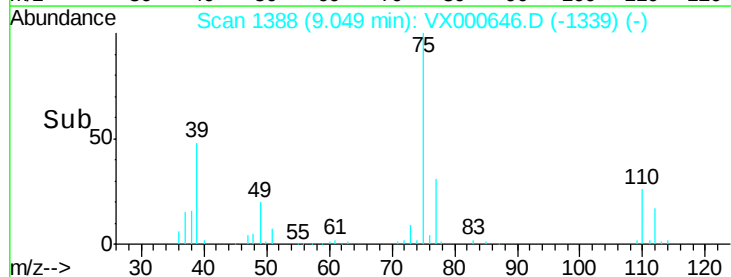
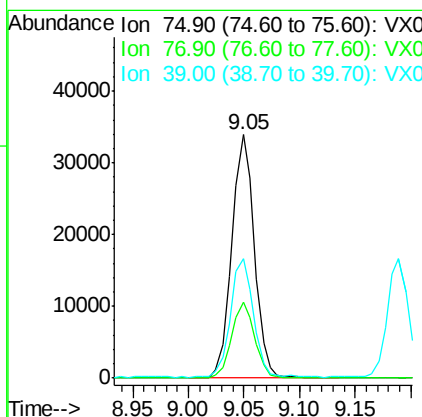
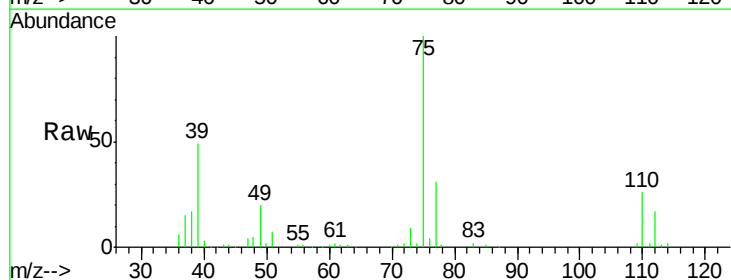
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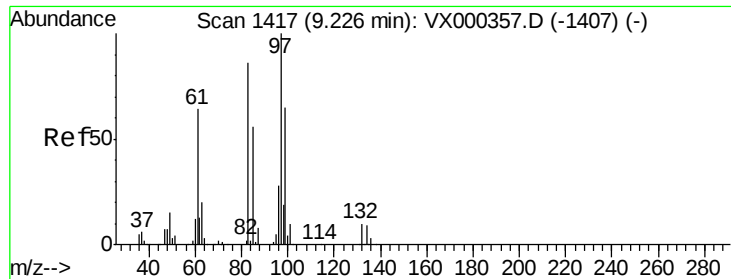
MMDadoda
4/4/2018 5:09:42 PM



#54
cis-1,3-Dichloropropene
Concen: 19.93 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion: 75 Resp: 47684
Ion Ratio Lower Upper
75 100
77 31.1 26.1 39.1
39 49.0 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 19.14 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

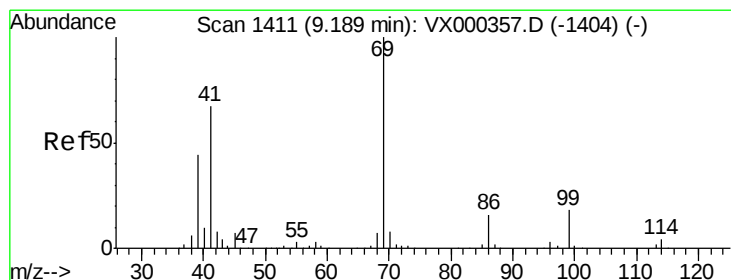
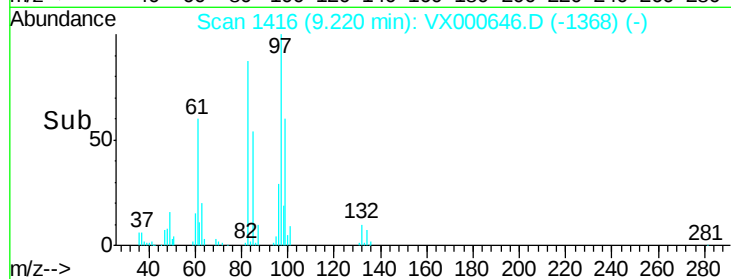
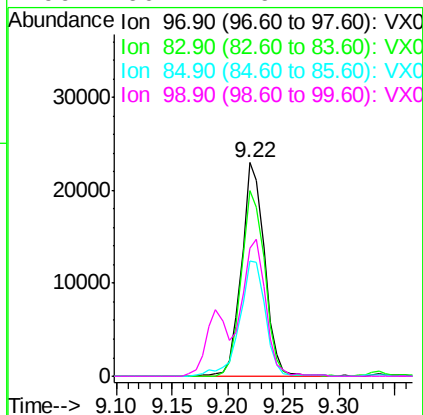
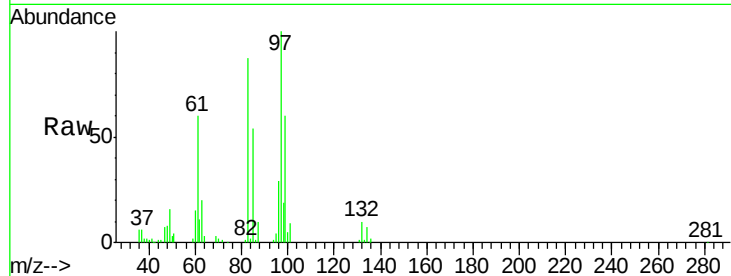
ClientSampleId :

VX0402WBS02

Tot Ion:	97	Resp:	33123
Ion	Ratio	Lower	Upper
97	100		
83	86.7	67.9	101.9
85	54.0	42.8	64.2
99	60.2	49.4	74.2

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#56

Ethyl methacrylate

Concen: 19.09 ug/l

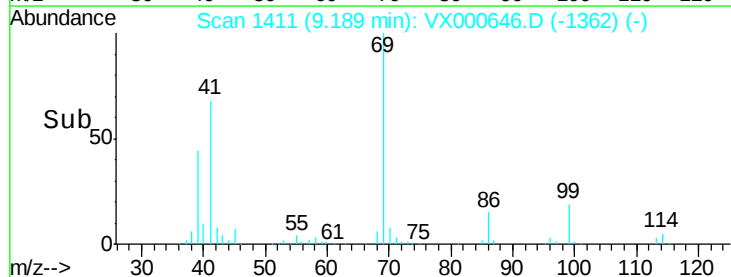
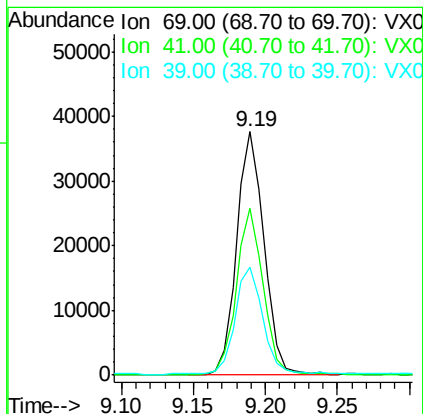
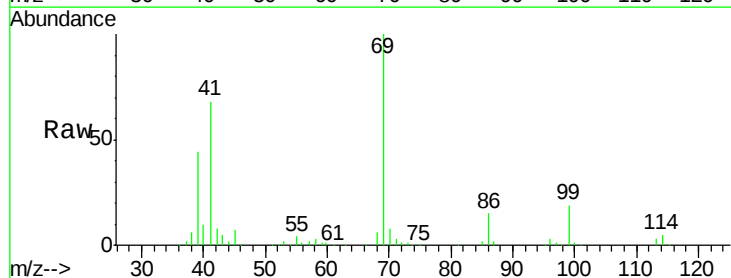
RT: 9.19 min Scan# 1411

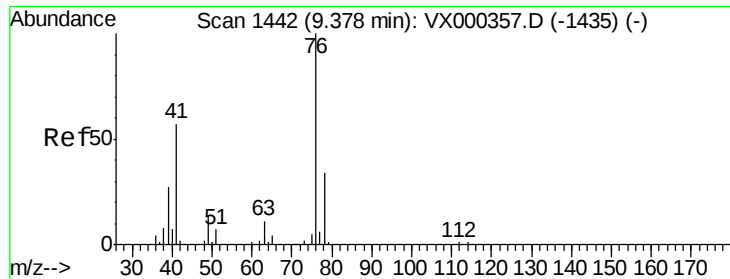
Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Tgt Ion:	69	Resp:	50071
Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.0	79.6
39	45.5	35.3	52.9





#57

1,3-Dichloropropane

Concen: 19.86 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS02

Tot Ion: 76 Resp: 54987

Ion Ratio Lower Upper

76 100

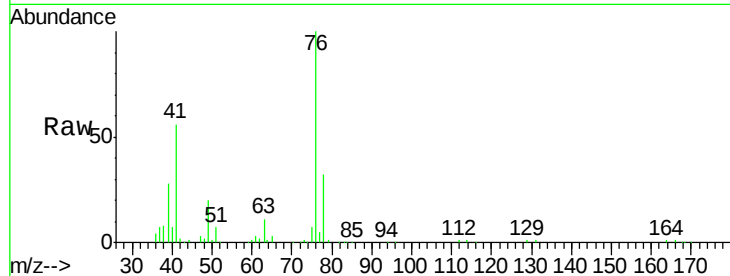
78 31.9 26.4 39.6

Manual Integrations

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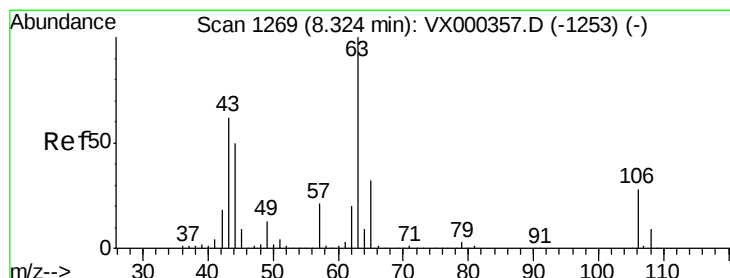
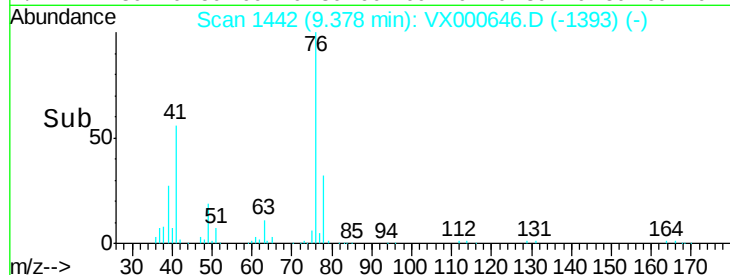
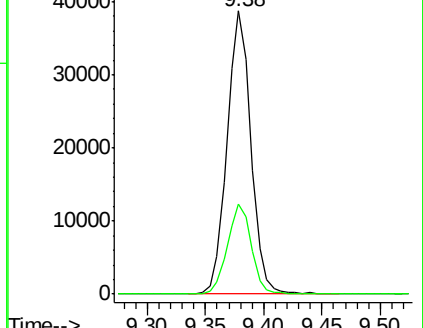
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 75.25 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX000646.D

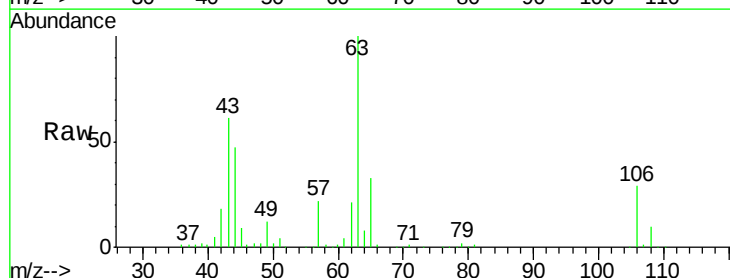
Acq: 02 Apr 2018 18:58

Tgt Ion: 63 Resp: 94726

Ion Ratio Lower Upper

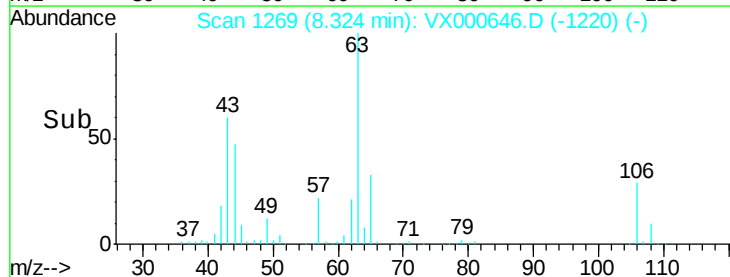
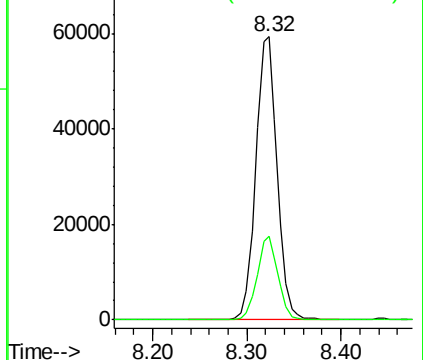
63 100

106 28.8 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





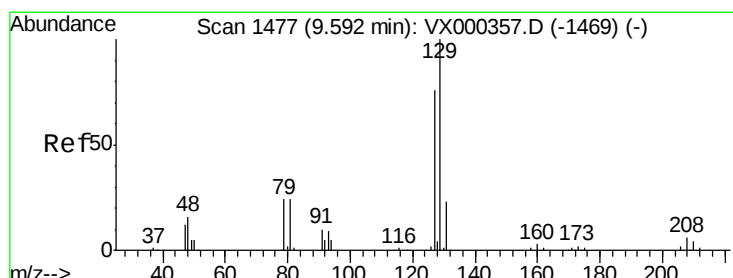
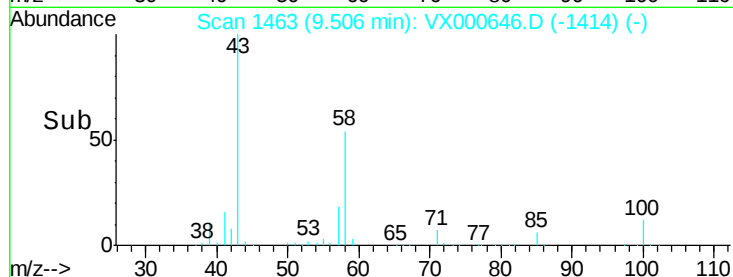
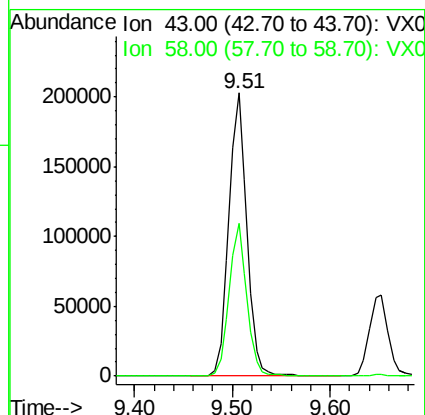
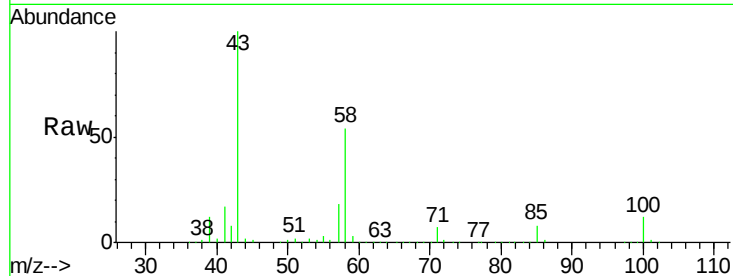
#59
2-Hexanone
Concen: 93.91 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion: 43 Resp: 260194
Ion Ratio Lower Upper
43 100
58 52.7 26.6 79.7

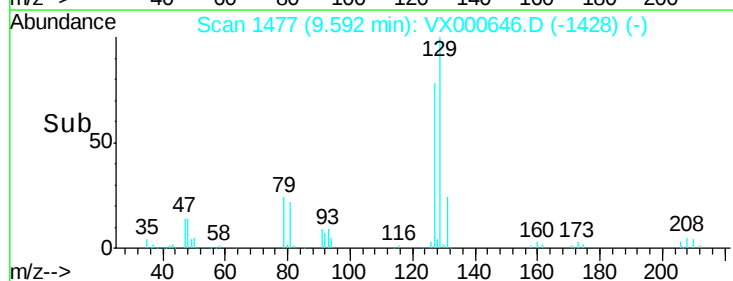
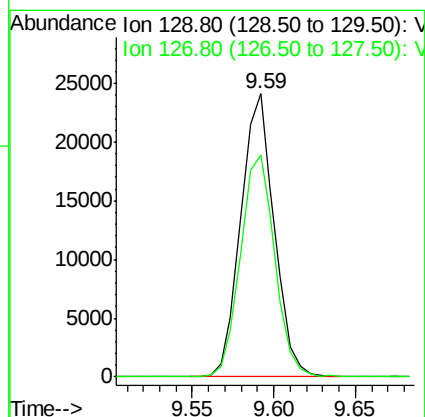
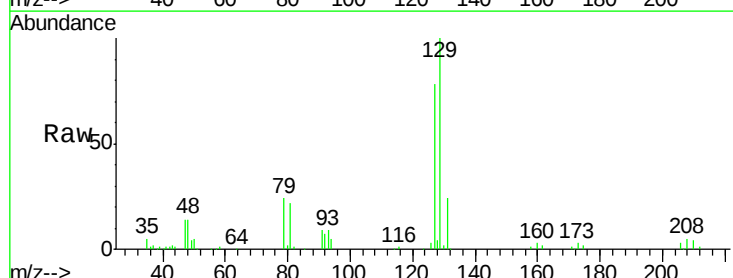
Manual Integrations
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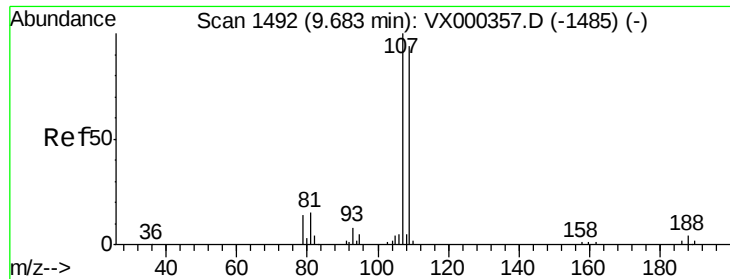
MMDadoda
4/4/2018 5:09:42 PM



#60
Dibromochloromethane
Concen: 19.51 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion: 129 Resp: 34354
Ion Ratio Lower Upper
129 100
127 80.5 37.9 113.6





#61

1,2-Dibromoethane

Concen: 19.33 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 107 Resp: 35878

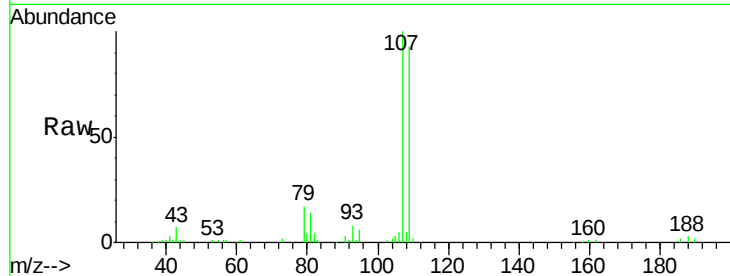
Ion Ratio Lower Upper

107 100

109 96.0 76.1 114.1

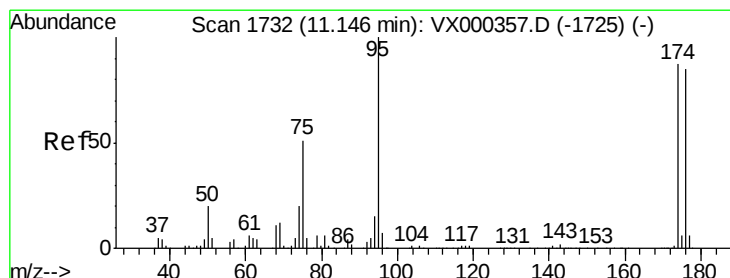
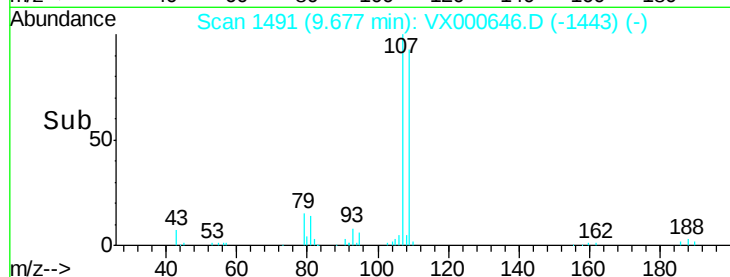
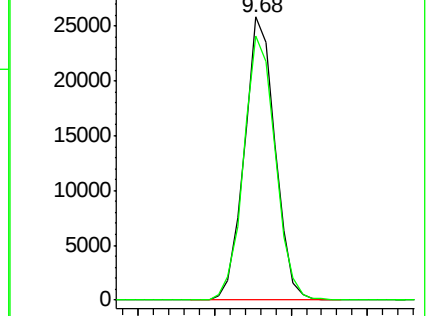
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.49 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

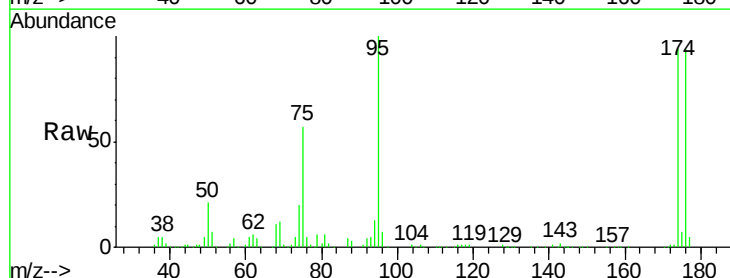
Tgt Ion: 95 Resp: 103928

Ion Ratio Lower Upper

95 100

174 89.1 0.0 173.6

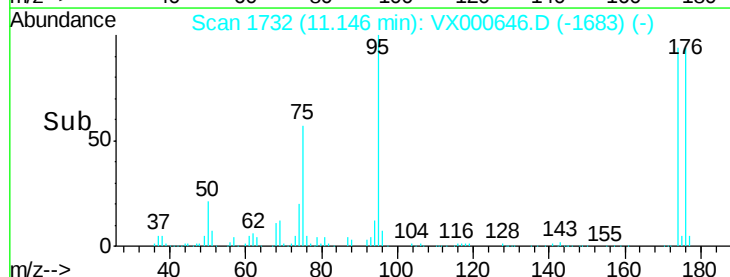
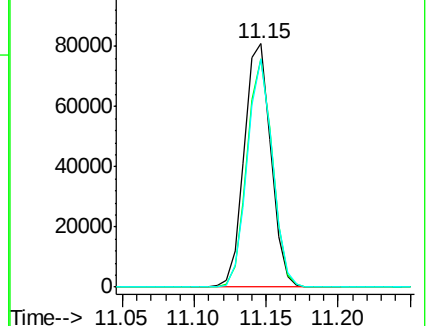
176 88.2 0.0 164.6

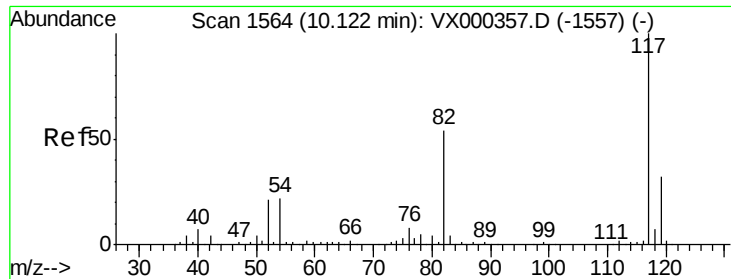


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





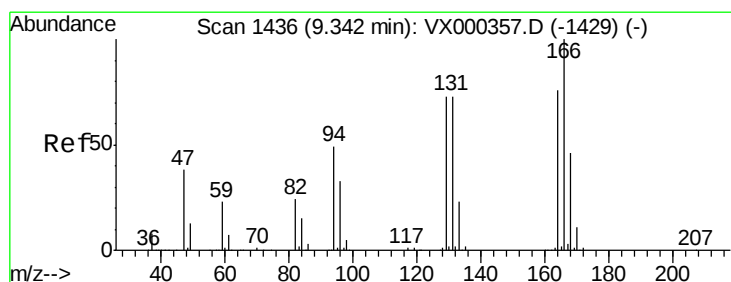
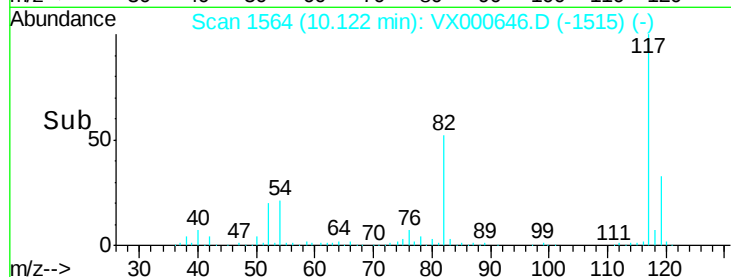
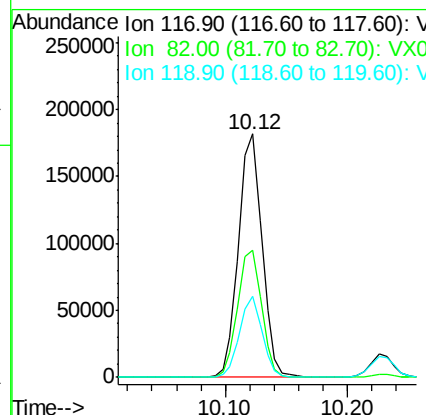
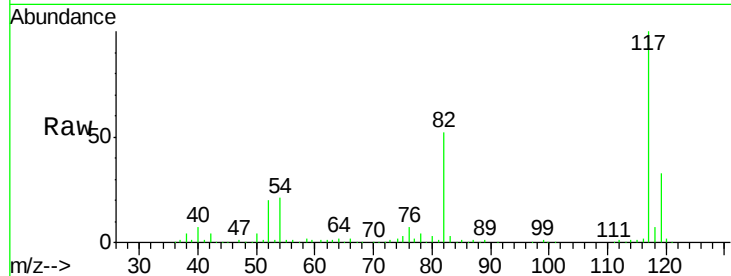
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	43.8	65.8
119	33.1	24.9	37.3

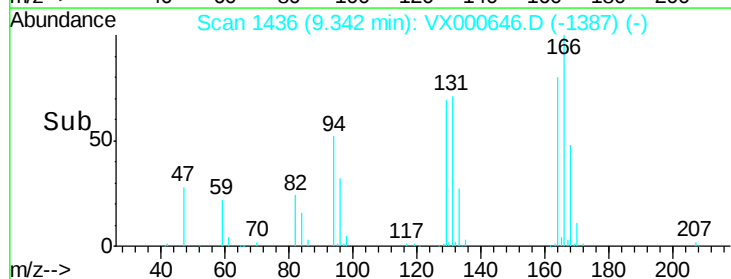
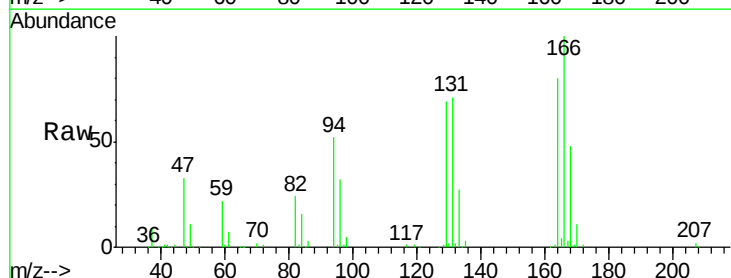
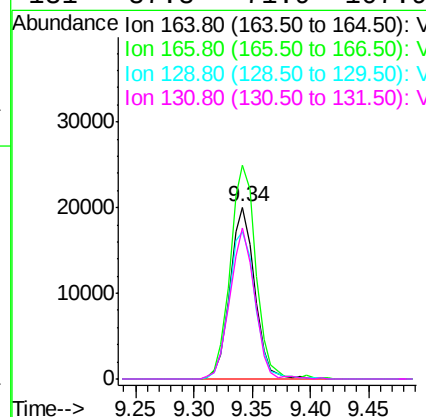
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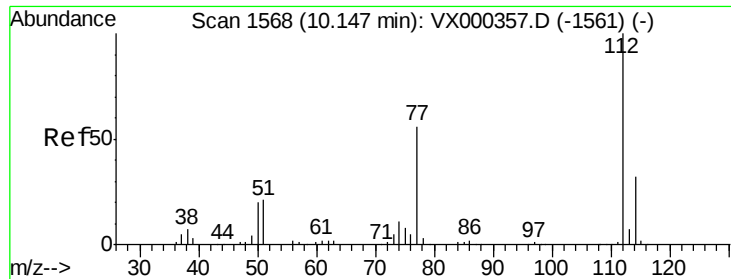
MMDadoda
4/4/2018 5:09:42 PM



#64
Tetrachloroethene
Concen: 15.76 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	101.0	151.6
129	85.8	79.0	118.4
131	87.8	71.9	107.9





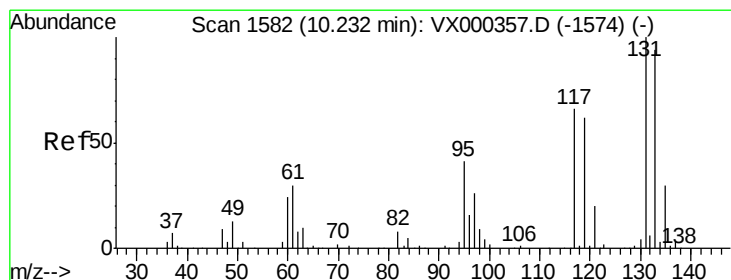
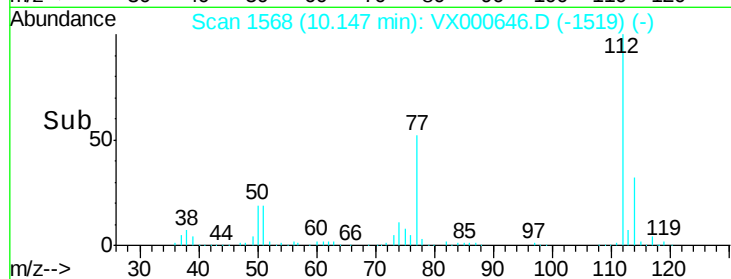
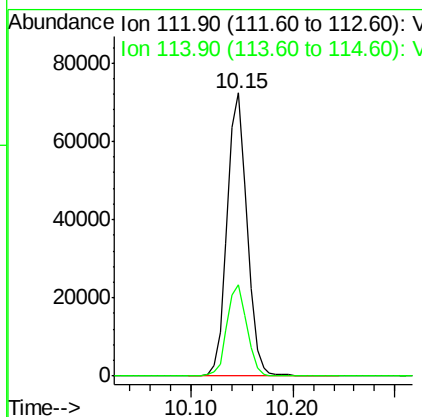
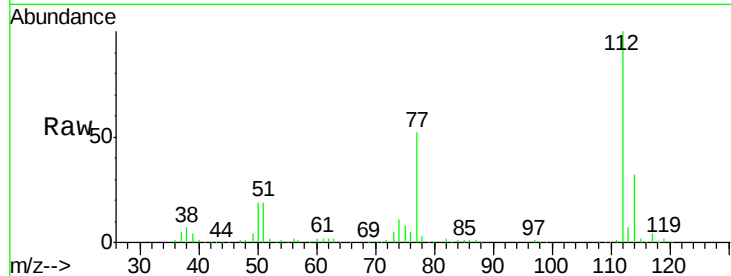
#65
Chlorobenzene
Concen: 18.20 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

Tot Ion:112 Resp: 97811
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

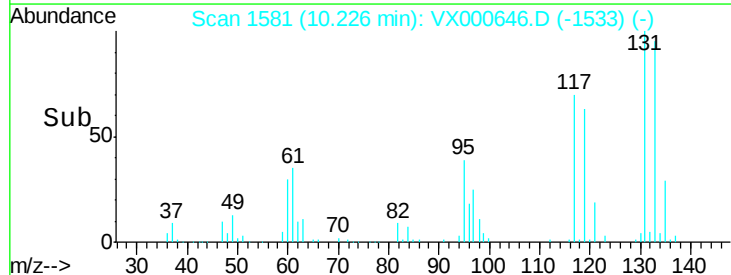
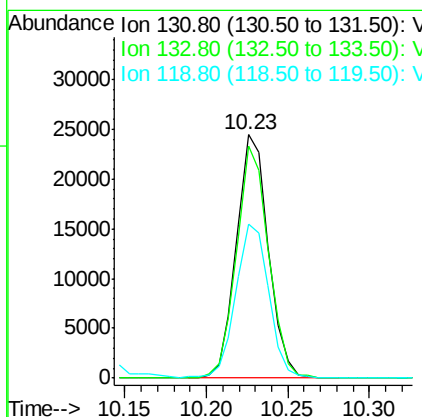
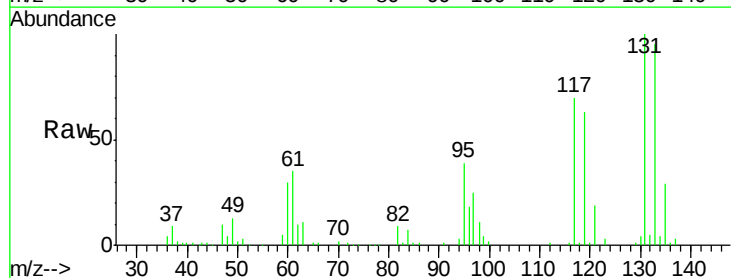
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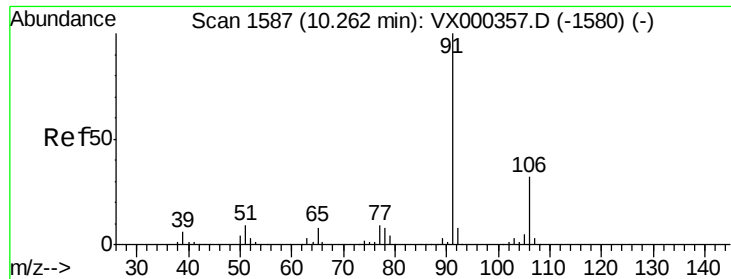
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.33 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion:131 Resp: 33443
Ion Ratio Lower Upper
131 100
133 95.5 47.1 141.3
119 65.5 33.1 99.2





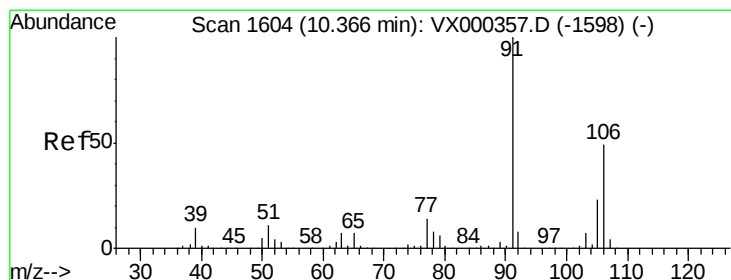
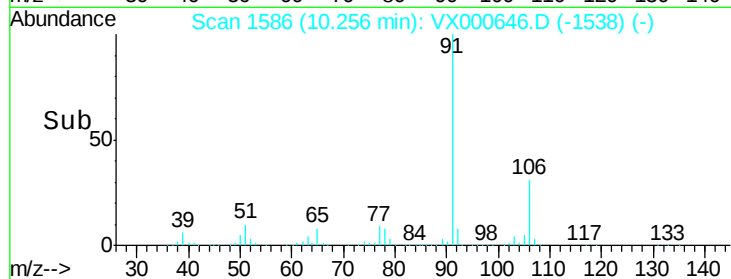
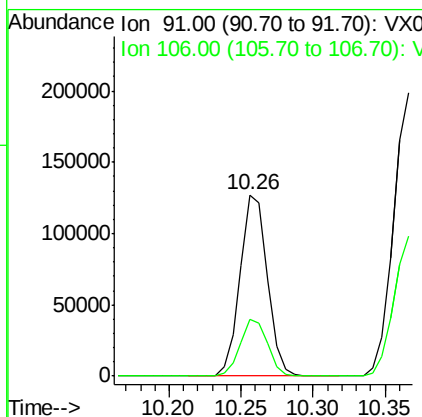
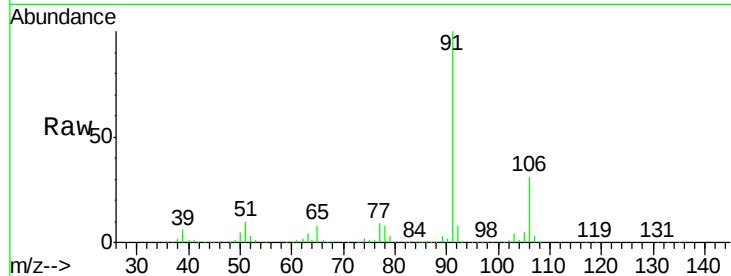
#67
Ethyl Benzene
Concen: 18.39 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

Tot Ion: 91 Resp: 167511
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

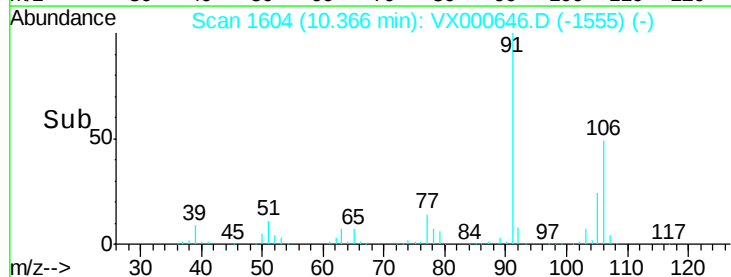
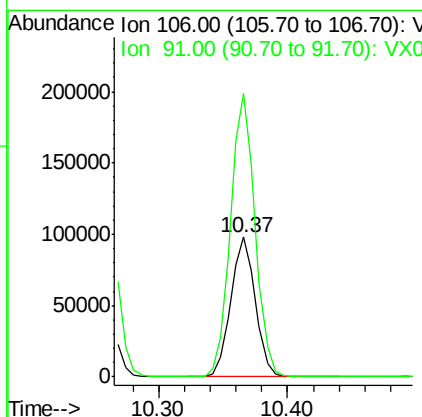
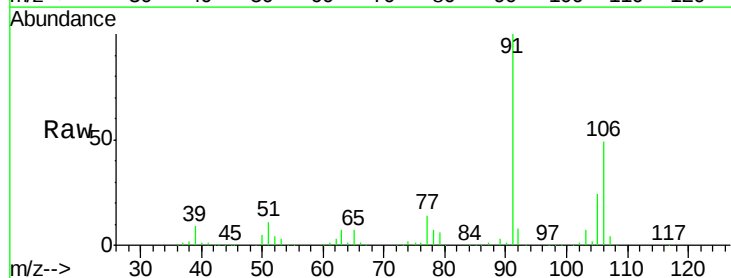
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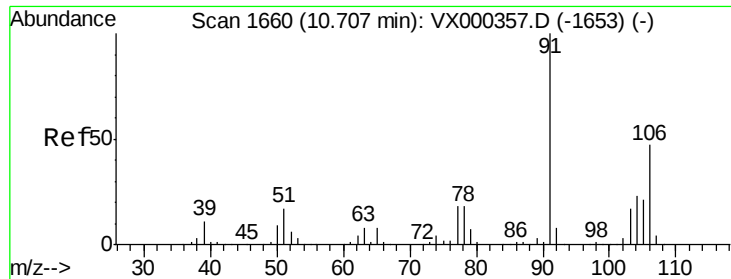
MMDadoda
4/4/2018 5:09:42 PM



#68
m/p-Xylenes
Concen: 36.45 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion: 106 Resp: 130635
Ion Ratio Lower Upper
106 100
91 202.1 163.4 245.2





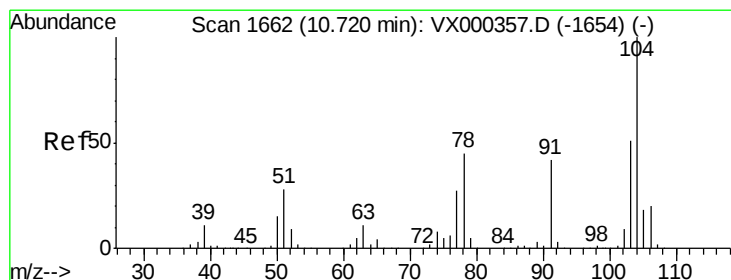
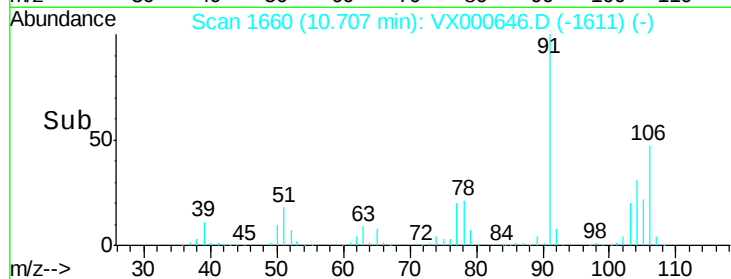
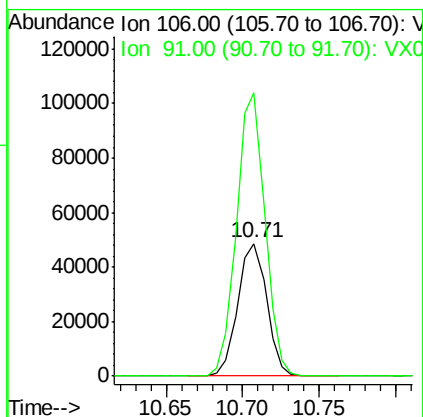
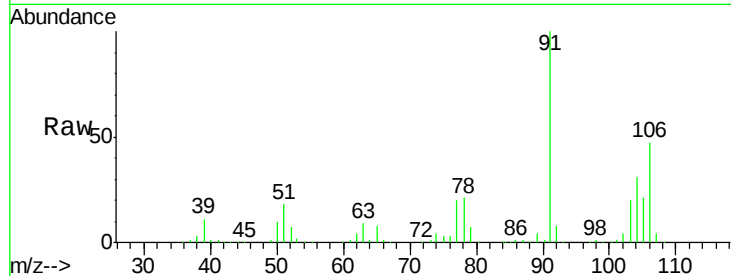
#69
o-Xylene
Concen: 18.36 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

Tot Ion:106 Resp: 63712
Ion Ratio Lower Upper
106 100
91 210.1 106.5 319.6

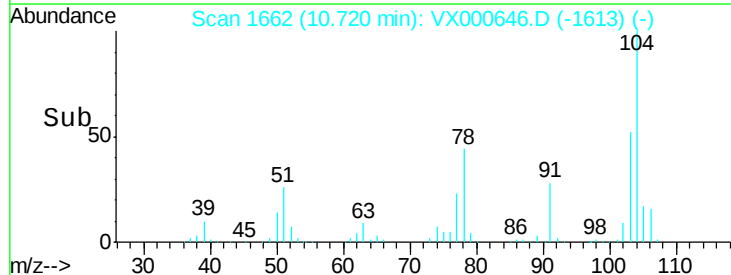
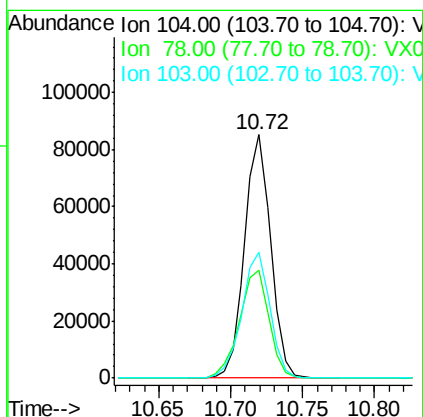
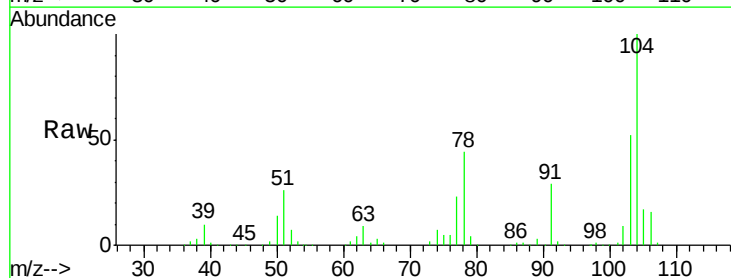
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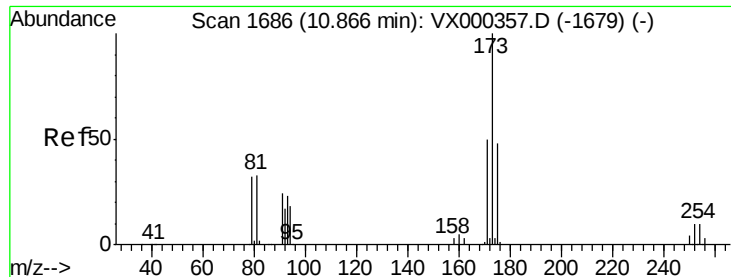
MMDadoda
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#70
Styrene
Concen: 18.68 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion:104 Resp: 107251
Ion Ratio Lower Upper
104 100
78 50.0 40.5 60.7
103 55.7 45.7 68.5





#71

Bromoform

Concen: 18.17 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion:173 Resp: 28160

Ion Ratio Lower Upper

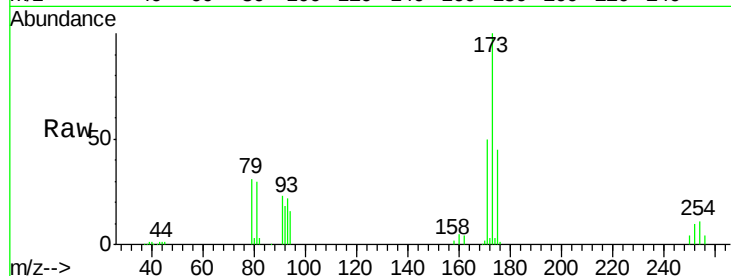
173 100

175 47.7 25.4 76.4

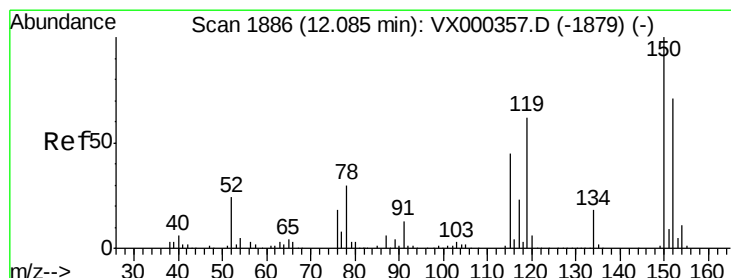
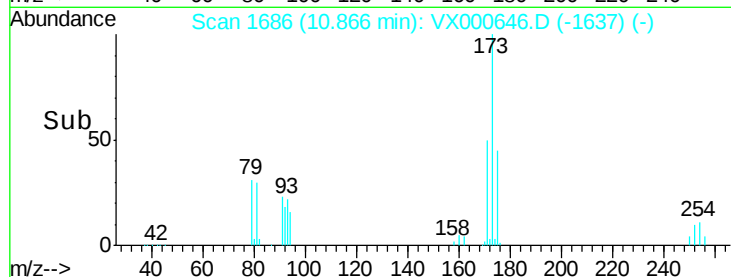
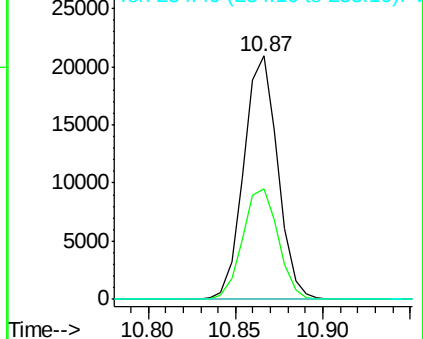
254 0.0 0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

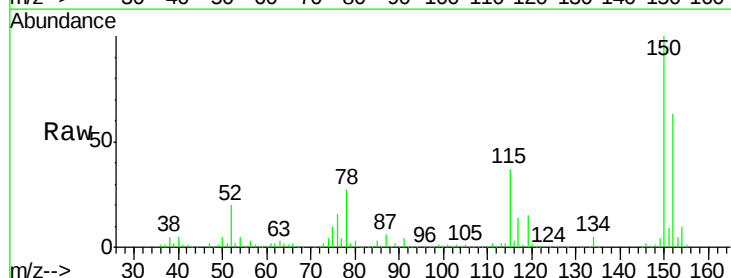
Tgt Ion:152 Resp: 153953

Ion Ratio Lower Upper

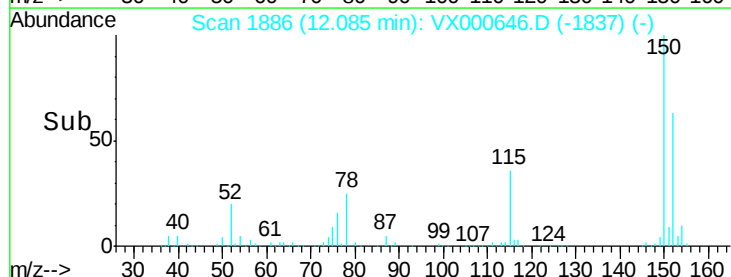
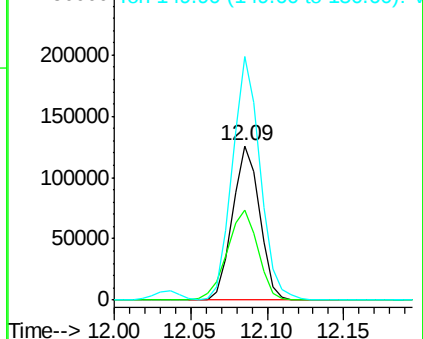
152 100

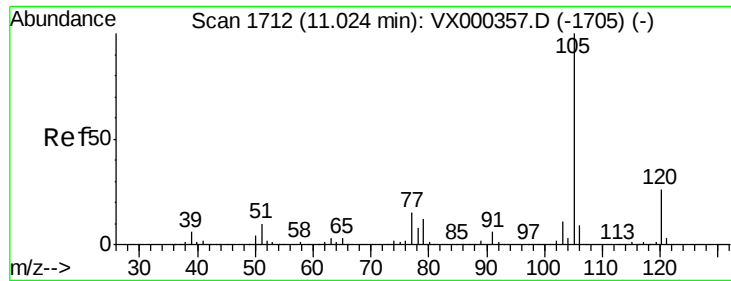
115 66.2 39.8 119.3

150 162.2 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.16 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 105 Resp: 175073

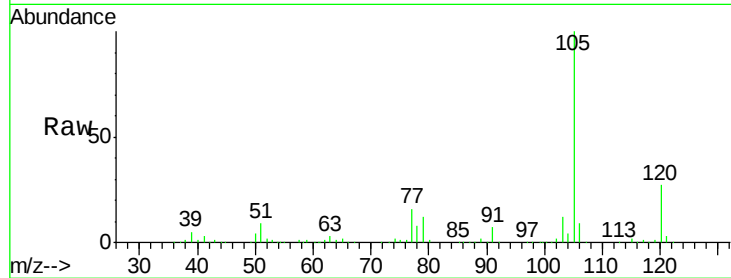
Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7

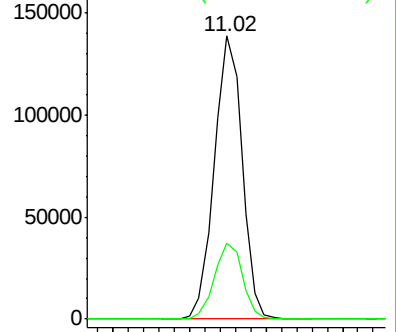
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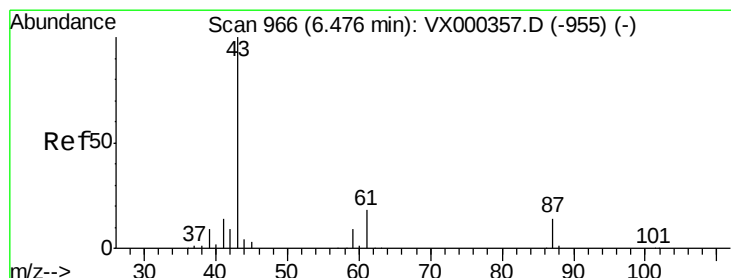
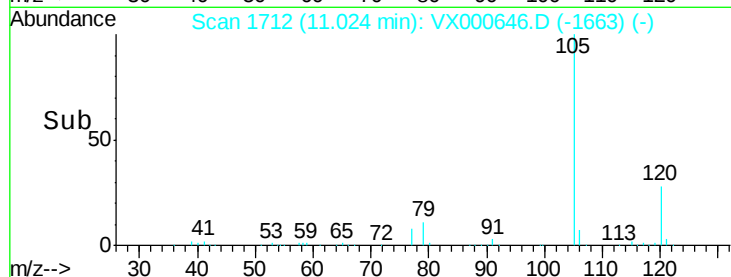


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 15.00 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Tgt Ion: 43 Resp: 76955

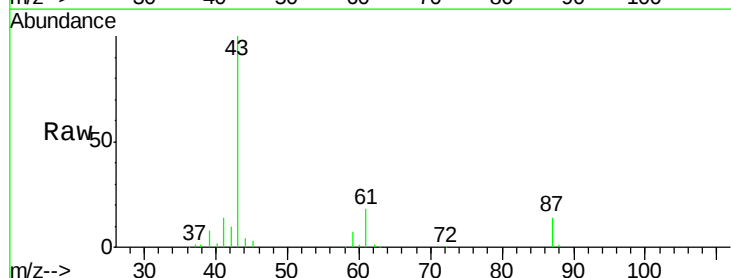
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.9 14.4 21.6

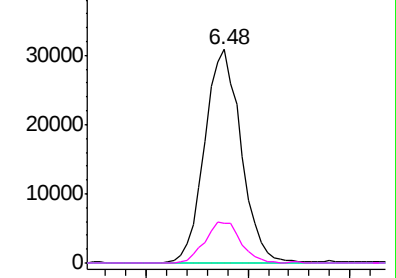


Abundance Ion 43.00 (42.70 to 43.70): VX0

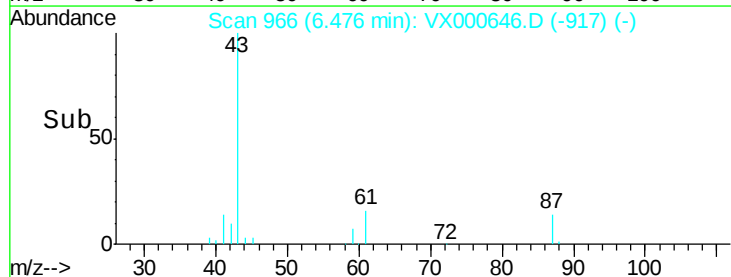
Ion 70.00 (69.70 to 70.70): VX0

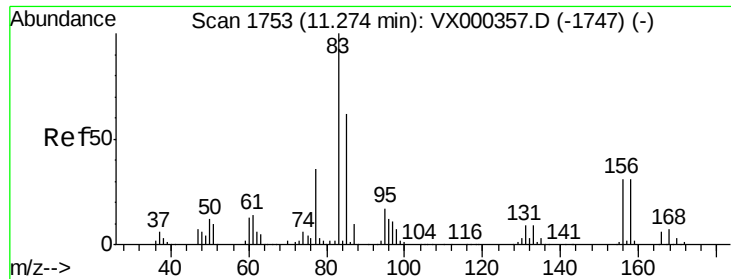
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.77 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

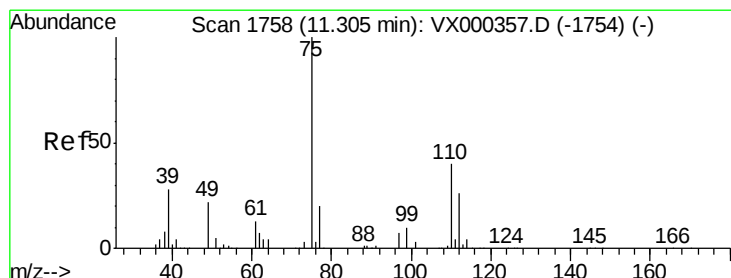
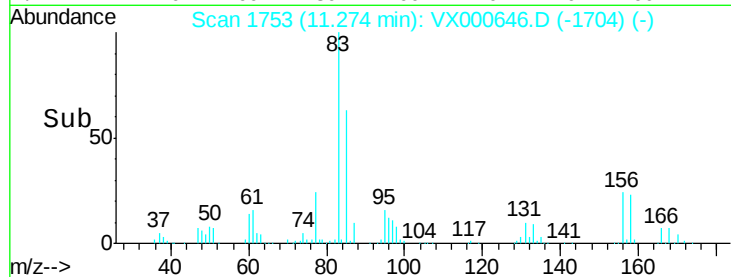
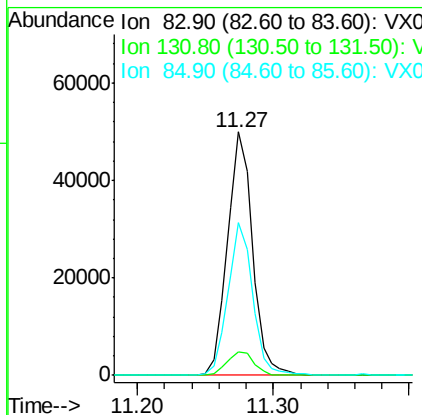
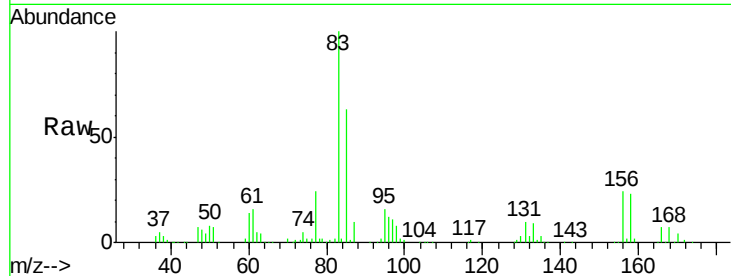
ClientSampled :

VX0402WBS02

Tot Ion	83	Resp	64107
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	62.1	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.04 ug/l m

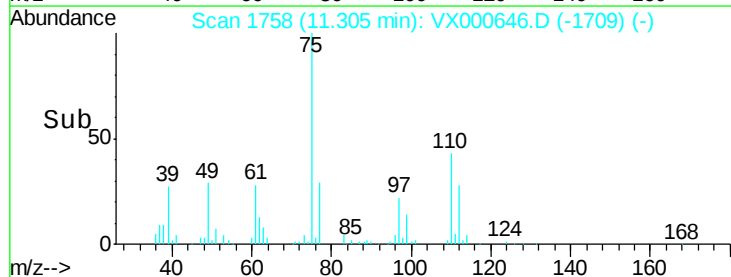
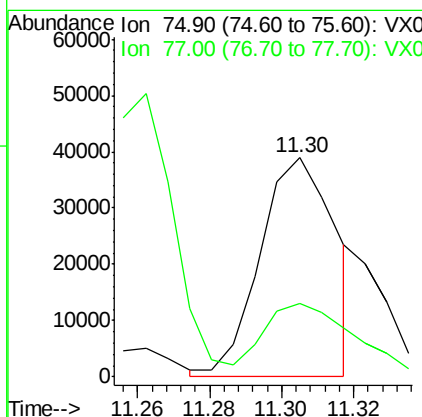
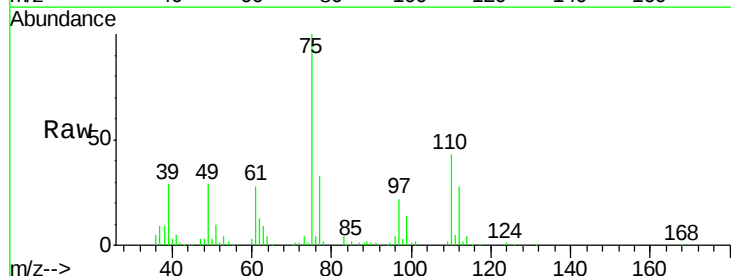
RT: 11.30 min Scan# 1758

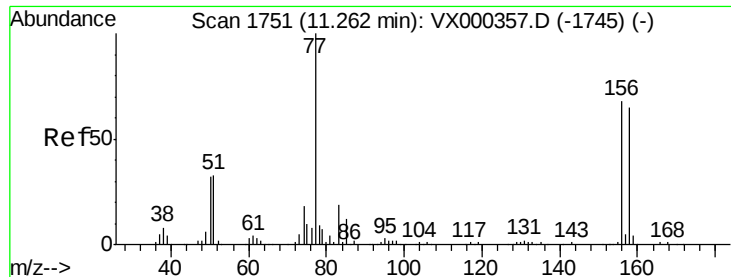
Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Tgt Ion	75	Resp	56363
Ion Ratio	100	Lower	Upper
75	100		
77	40.6	21.4	64.2





#77

Bromobenzene

Concen: 16.61 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion:156 Resp: 45140

Ion Ratio Lower Upper

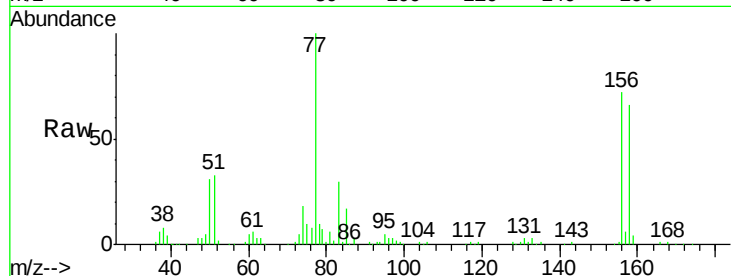
156 100

77 145.4 73.4 220.2

158 94.9 48.5 145.6

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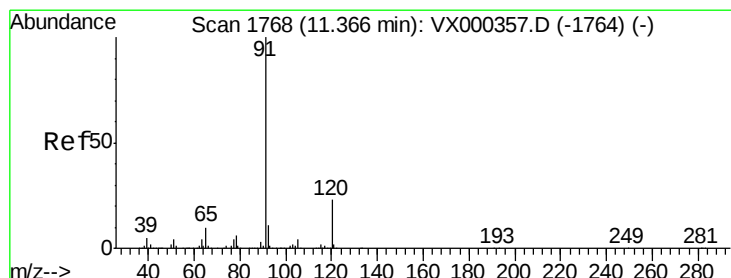
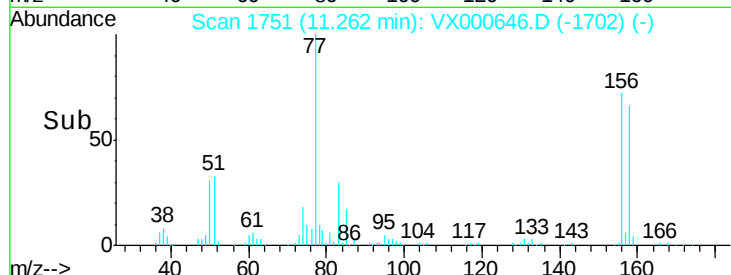
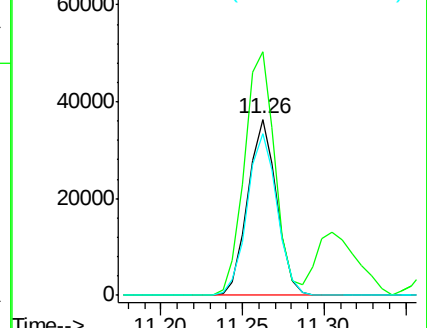
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.54 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000646.D

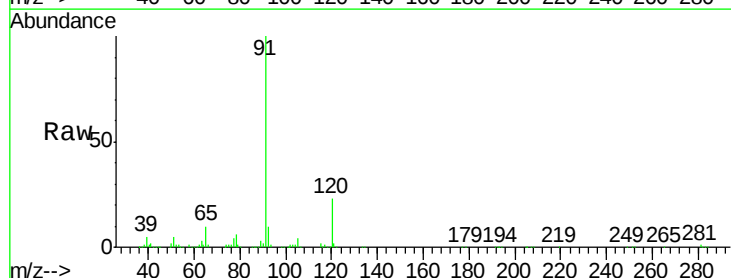
Acq: 02 Apr 2018 18:58

Tgt Ion: 91 Resp: 213295

Ion Ratio Lower Upper

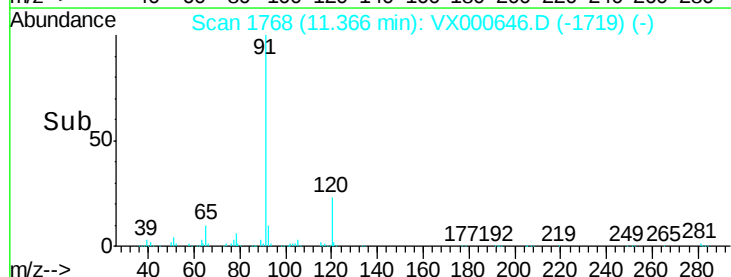
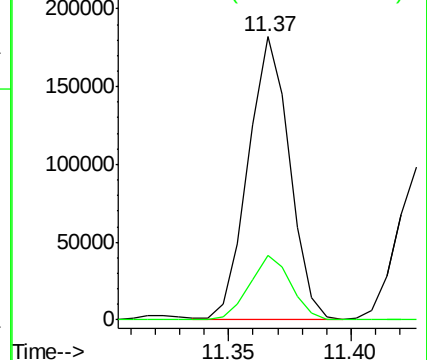
91 100

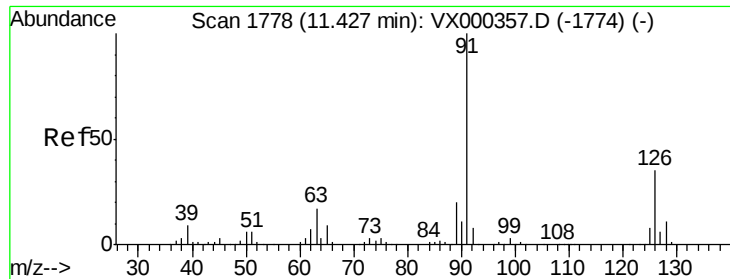
120 23.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.15 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS02

Tot Ion: 91 Resp: 120524

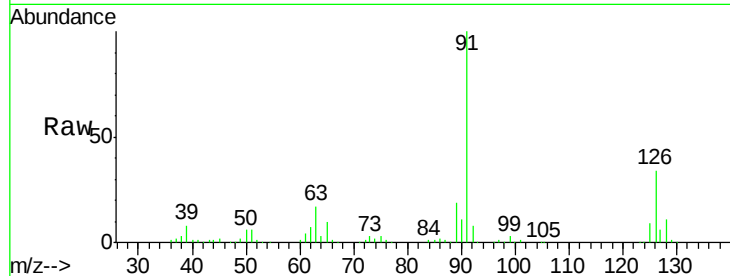
Ion Ratio Lower Upper

91 100

126 35.2 17.7 53.1

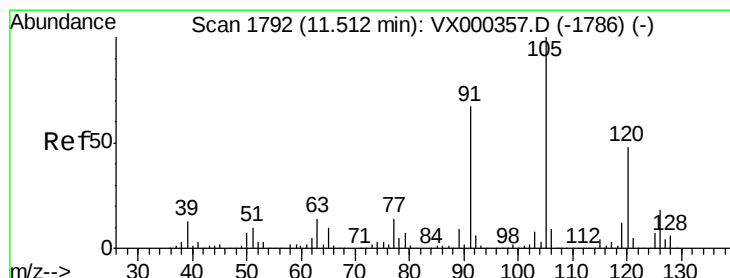
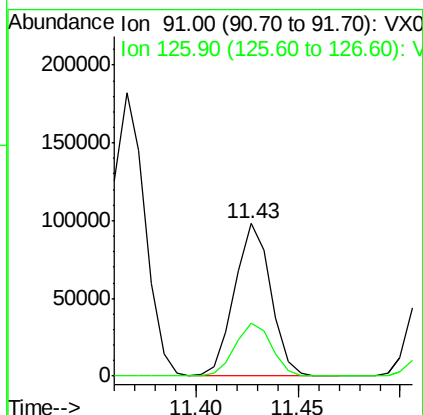
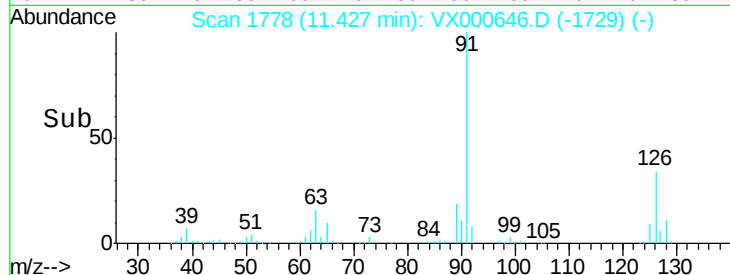
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX000357.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000357.D (-1774) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.03 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000646.D

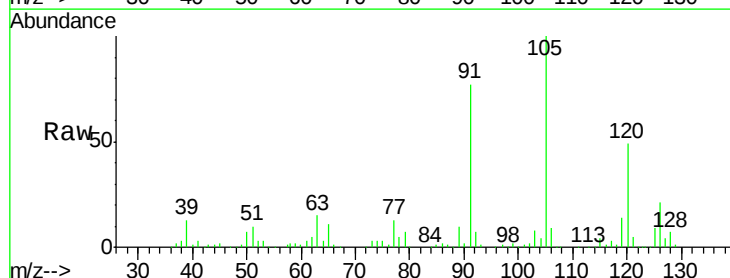
Acq: 02 Apr 2018 18:58

Tgt Ion: 105 Resp: 154631

Ion Ratio Lower Upper

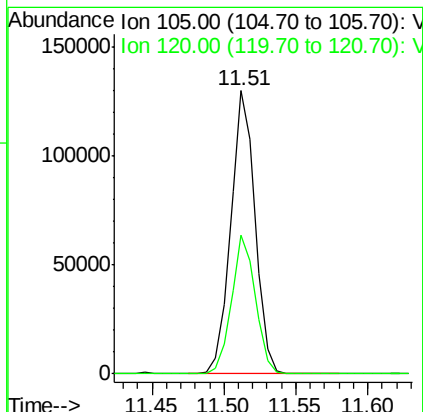
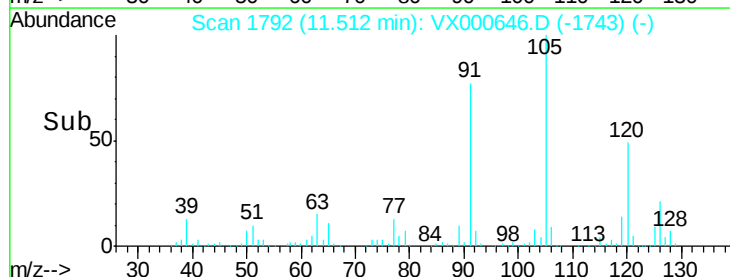
105 100

120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000357.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000357.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.31 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 75 Resp: 16669

Ion Ratio Lower Upper

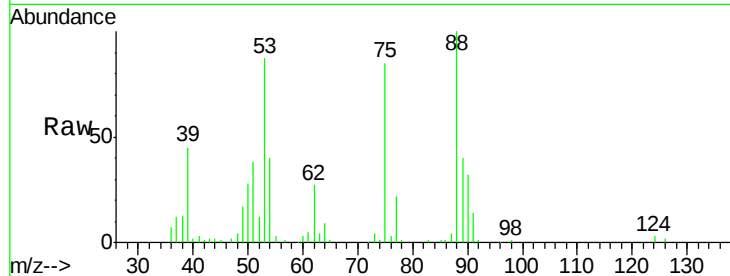
75 100

53 105.1 80.7 121.1

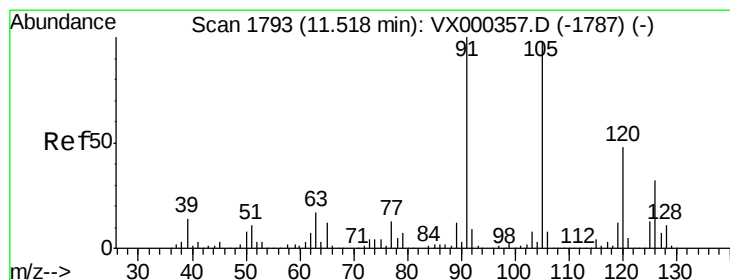
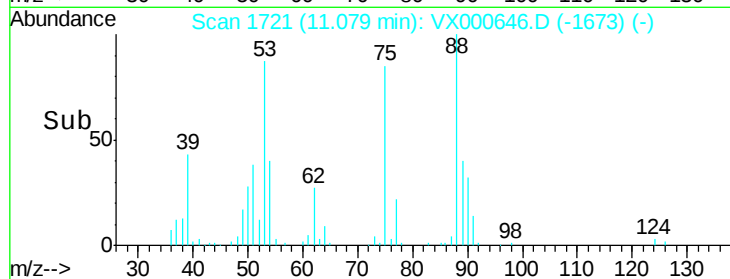
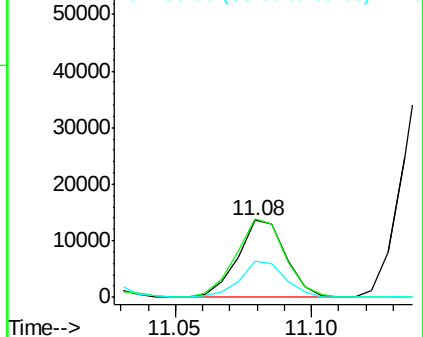
89 44.6 39.4 59.0

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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 17.95 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX000646.D

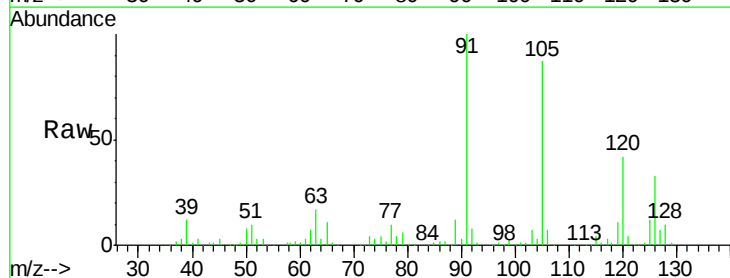
Acq: 02 Apr 2018 18:58

Tgt Ion: 91 Resp: 150590

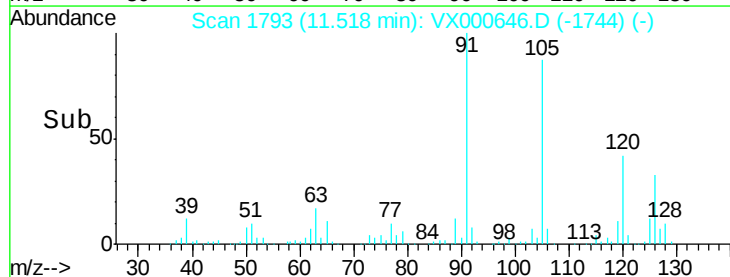
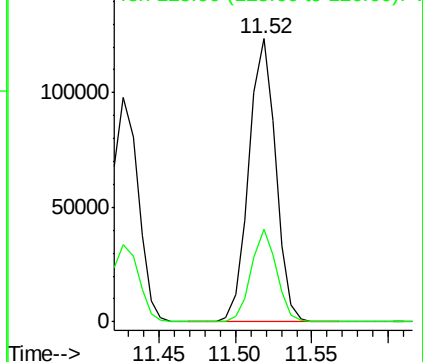
Ion Ratio Lower Upper

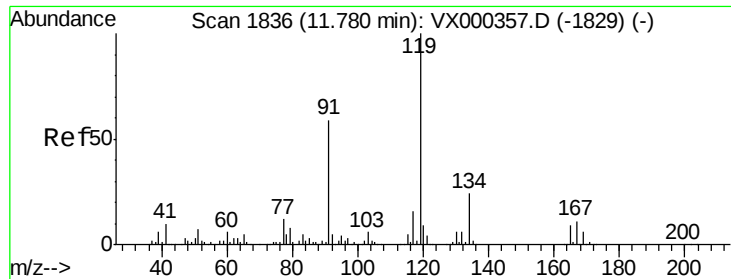
91 100

126 31.2 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





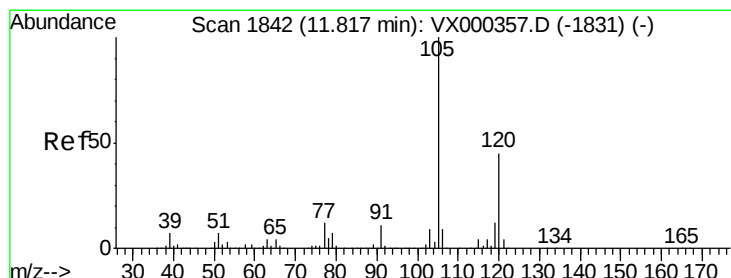
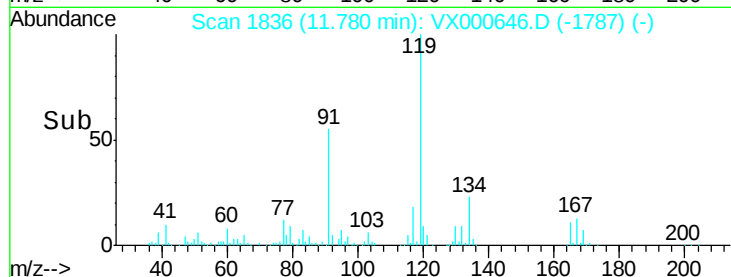
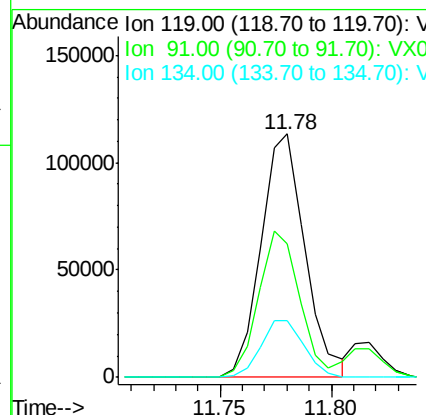
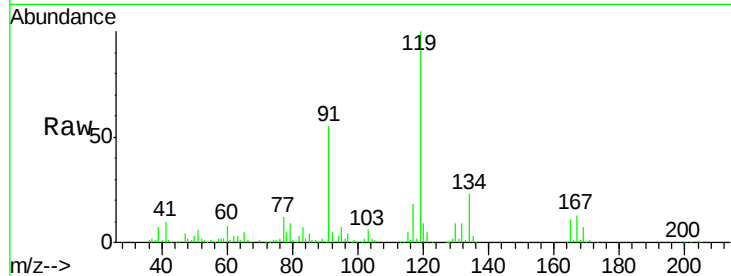
#83
 tert-Butylbenzene
 Concen: 17.97 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	155442		
91	56.3		28.8	86.4
134	23.2		11.4	34.1

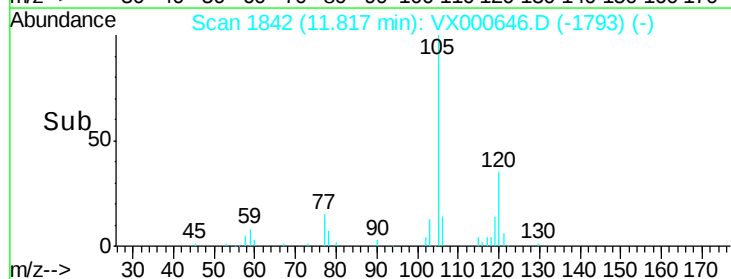
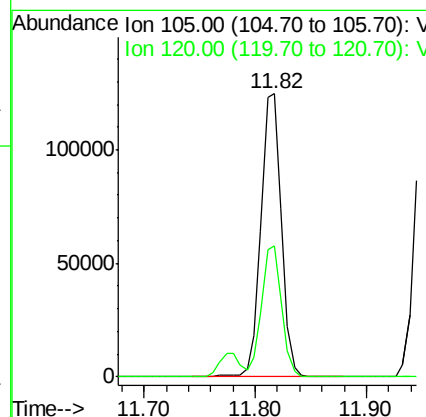
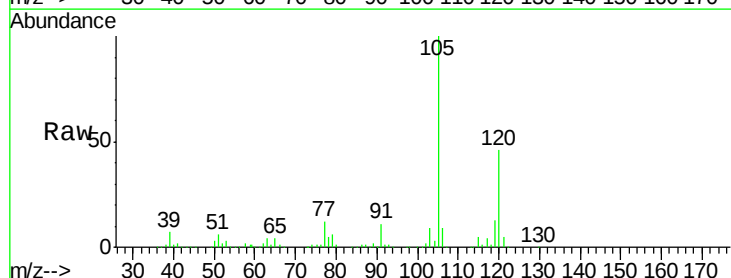
Manual Integrations
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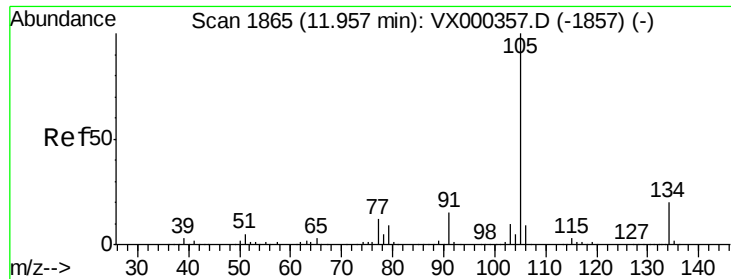
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.83 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	160308		
120	45.4		22.4	67.3





#85

sec-Butylbenzene

Concen: 18.25 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS02

Tot Ion:105 Resp: 195355

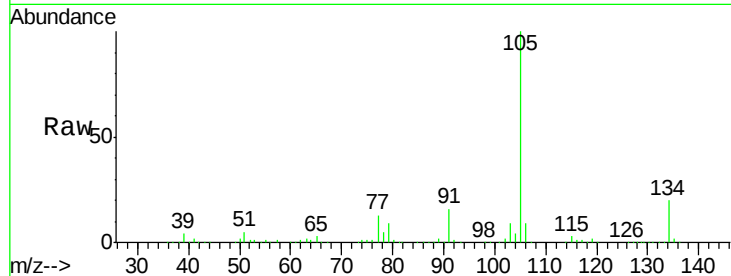
Ion Ratio Lower Upper

105 100

134 20.1 10.3 30.8

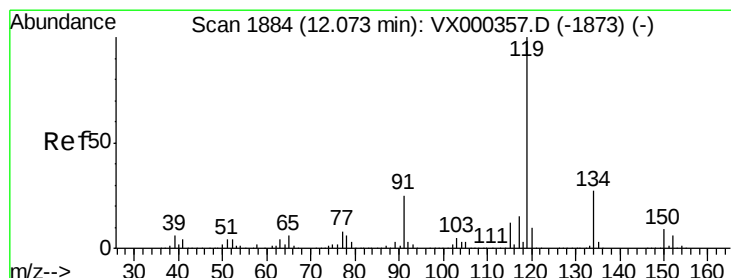
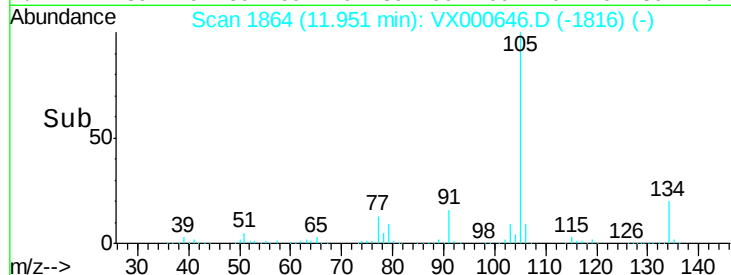
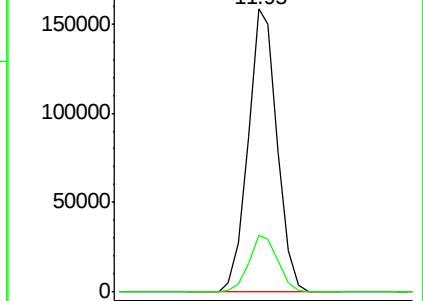
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.25 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

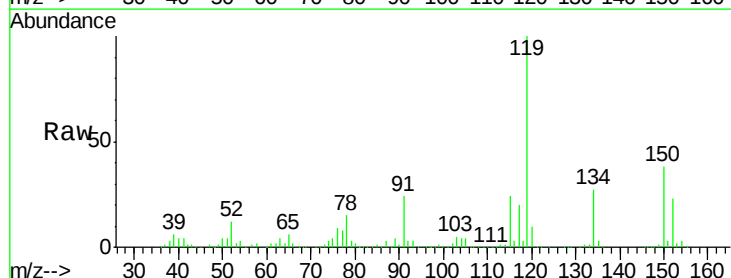
Tgt Ion:119 Resp: 173522

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

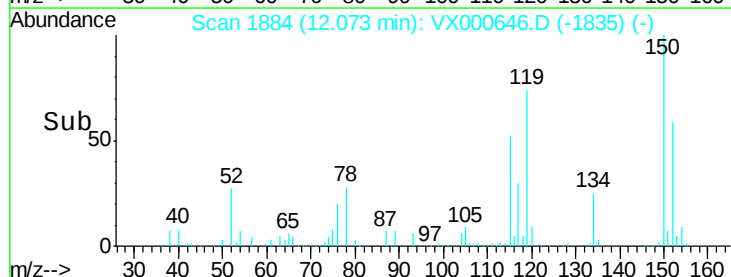
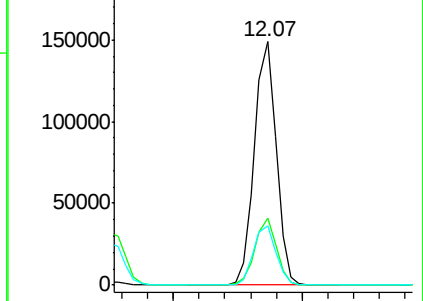
91 25.0 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





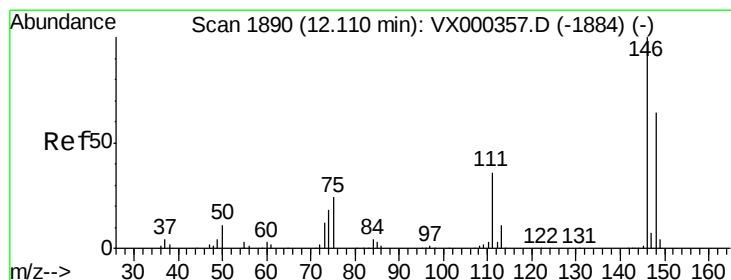
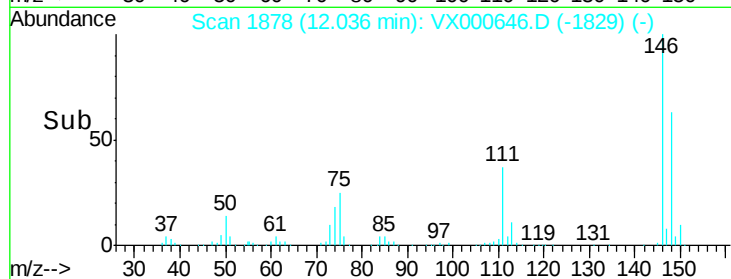
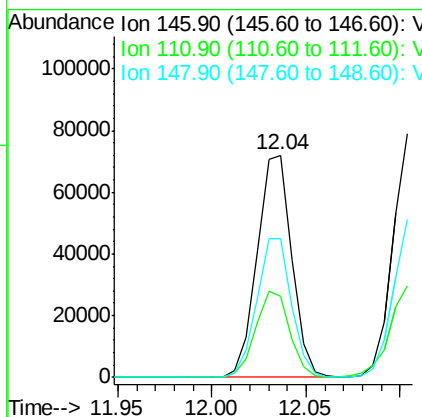
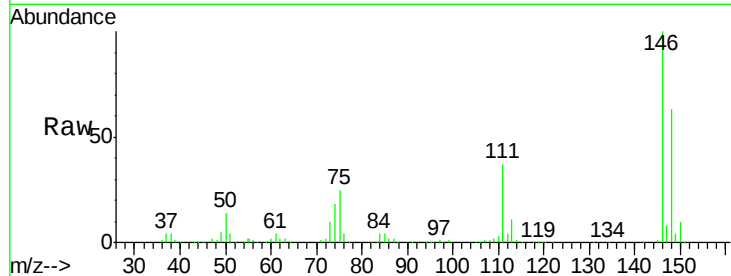
#87
 1,3-Dichlorobenzene
 Concen: 17.86 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	63.0	32.4	97.0

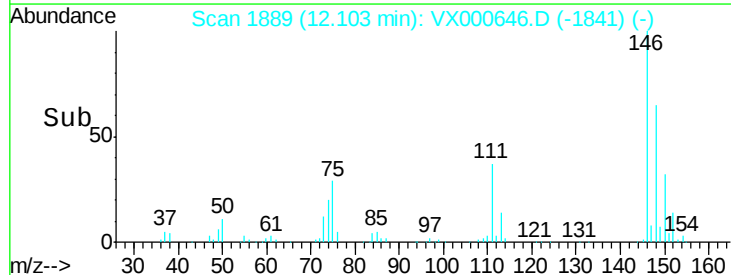
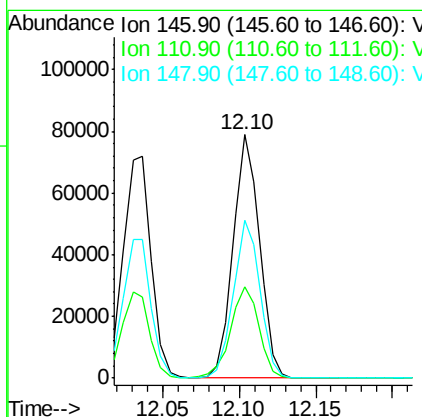
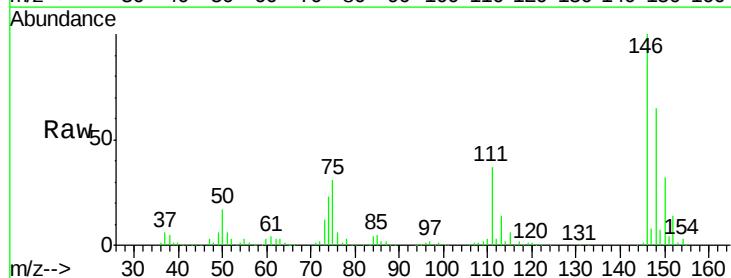
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 17.46 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	18.9	56.9
148	65.6	31.0	93.0





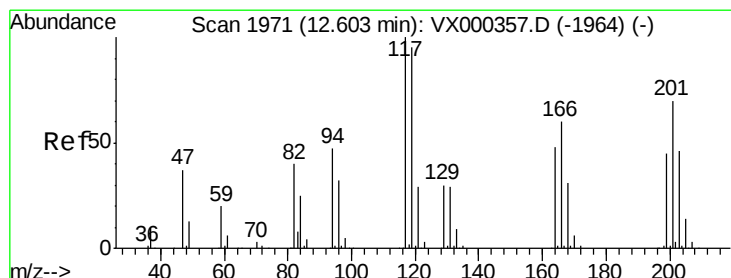
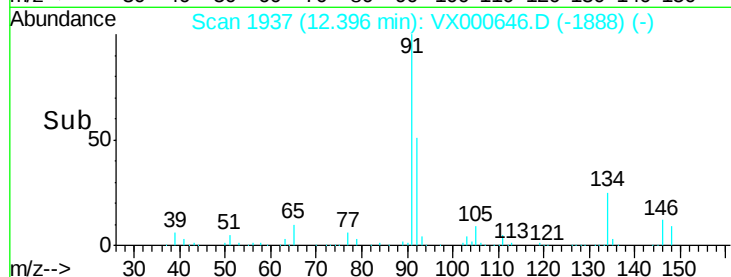
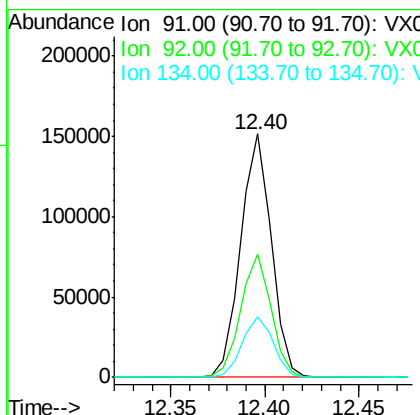
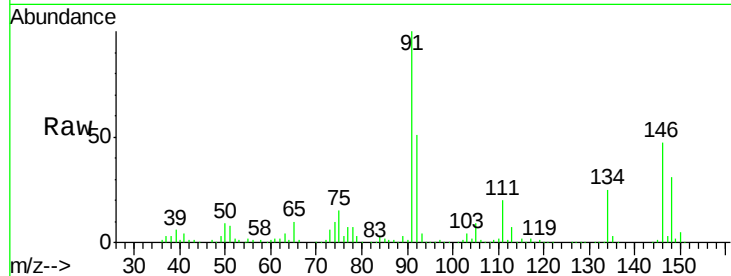
#89
n-Butylbenzene
Concen: 19.29 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	25.9	77.8
134	25.4	13.1	39.3

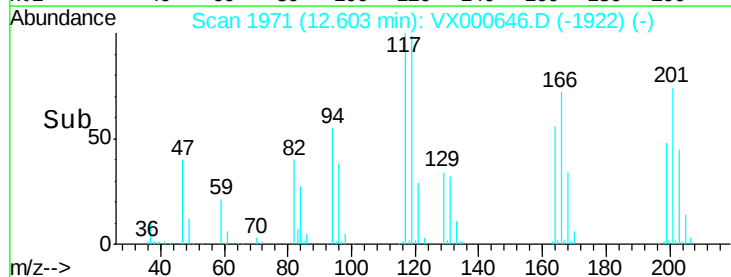
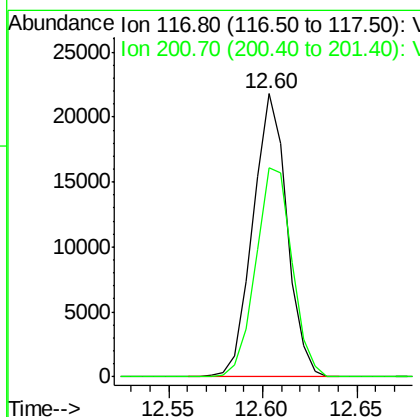
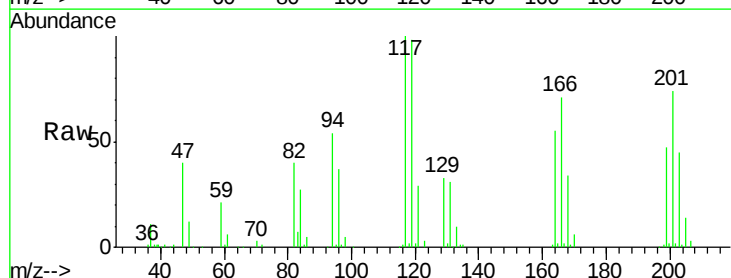
Manual Integrations
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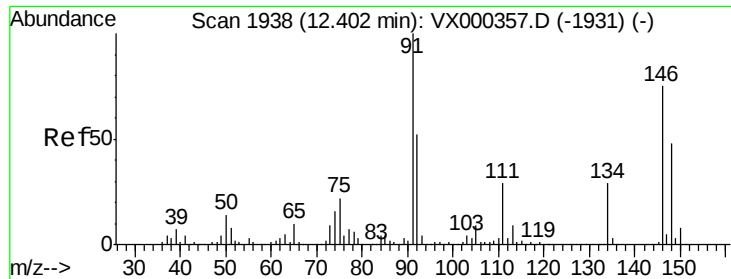
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#90
Hexachloroethane
Concen: 18.22 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000646.D
Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	37.9	113.6





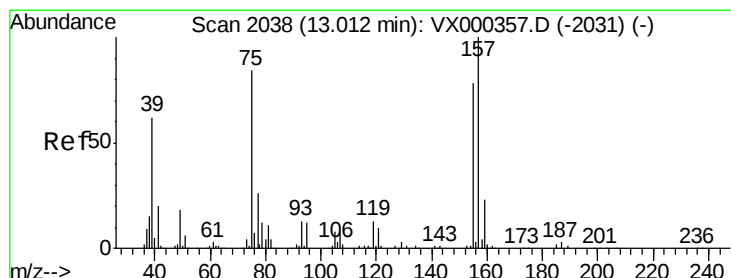
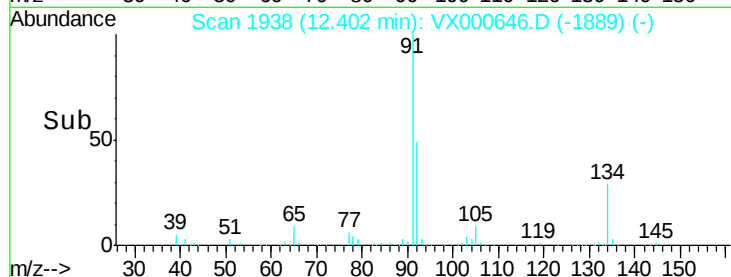
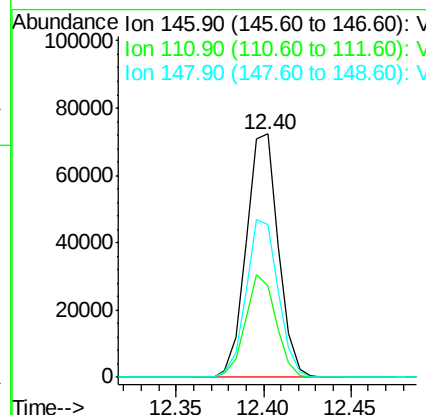
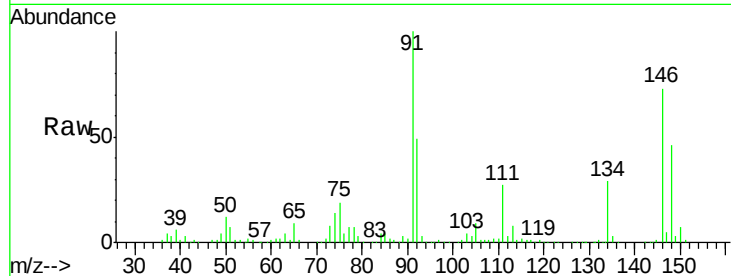
#91
 1,2-Dichlorobenzene
 Concen: 18.33 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.2
148	64.6	31.2	93.6

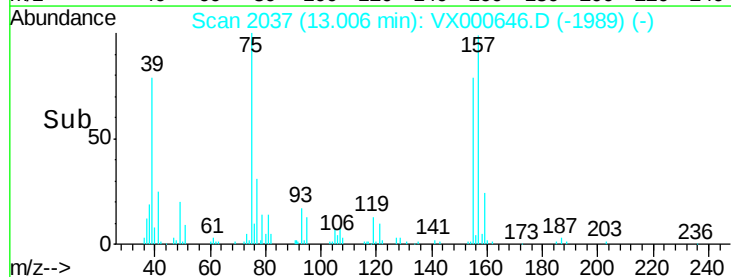
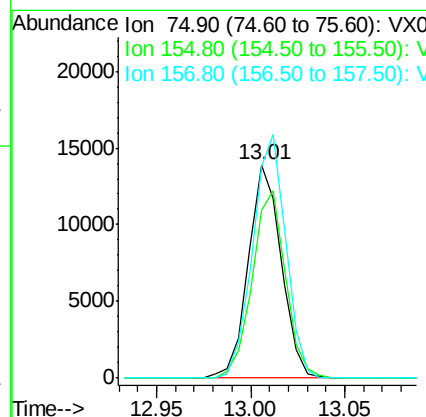
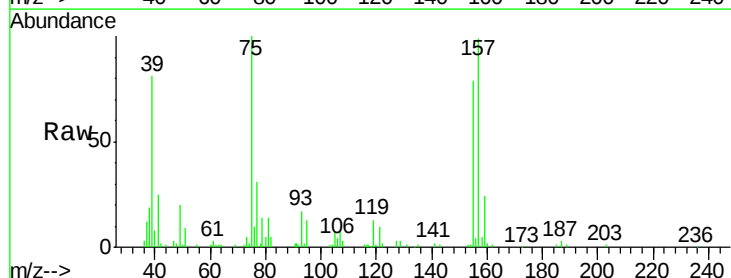
Manual Integrations
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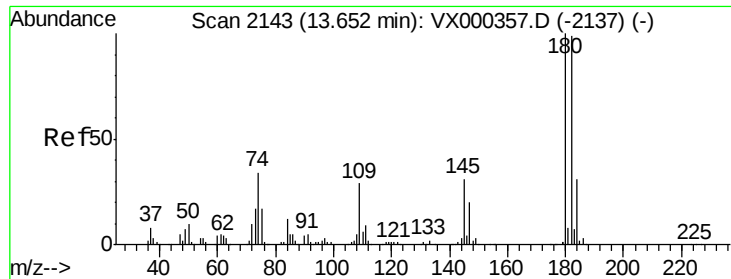
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.73 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	45.0	134.8
157	114.1	58.1	174.2





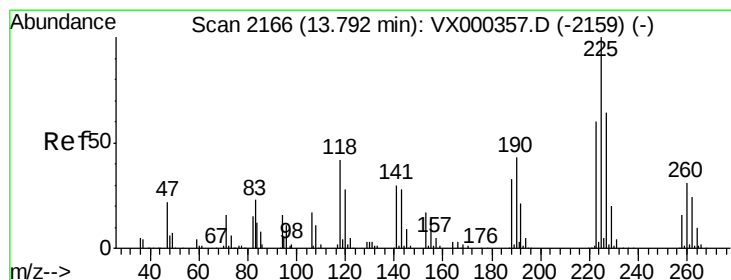
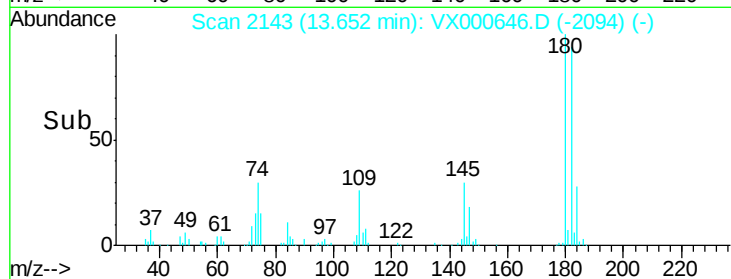
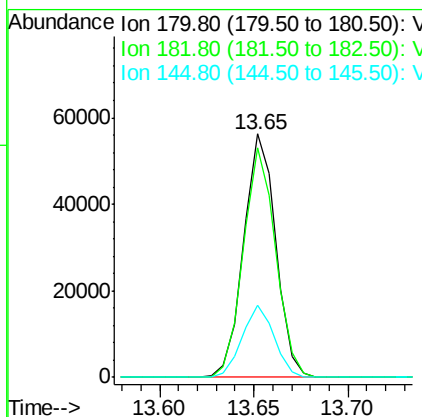
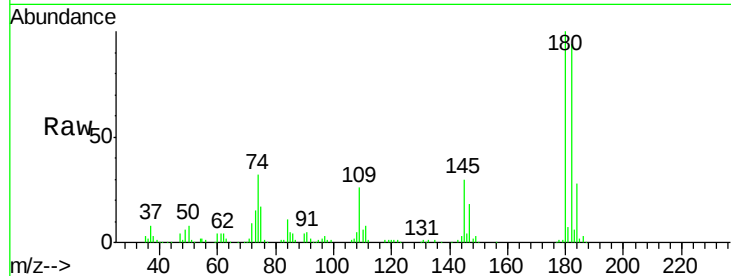
#93
 1,2,4-Trichlorobenzene
 Concen: 18.39 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	66411		
182	94.8		47.6	142.9
145	29.4		15.1	45.3

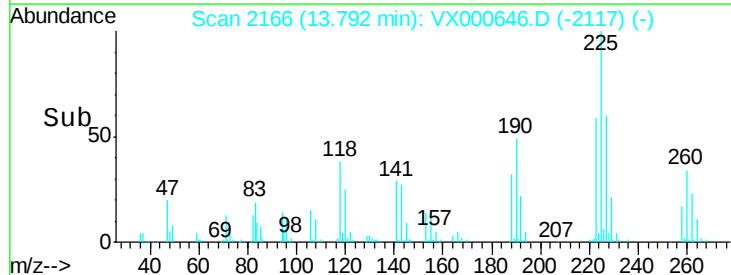
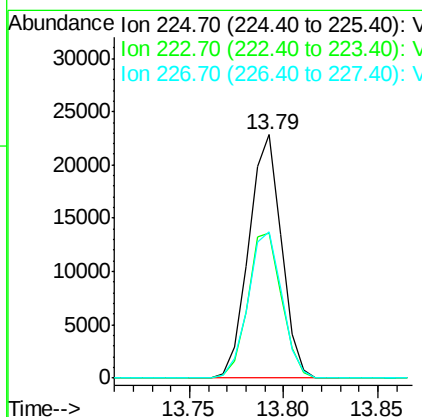
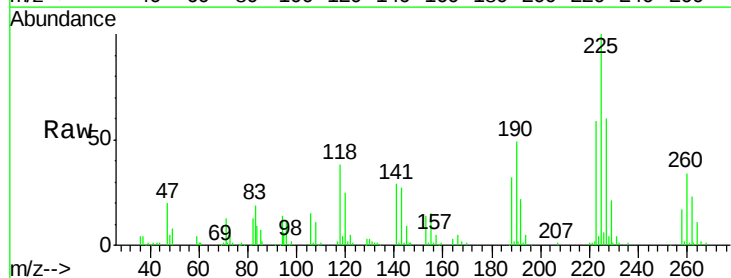
Manual Integrations
 APPROVED

MMDadoda
 4/4/2018 5:09:42 PM



#94
 Hexachlorobutadiene
 Concen: 18.34 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000646.D
 Acq: 02 Apr 2018 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27421		
223	61.5		32.0	96.0
227	62.2		32.6	98.0





#95

Naphthalene

Concen: 18.10 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Instrument :

MSVOA_X

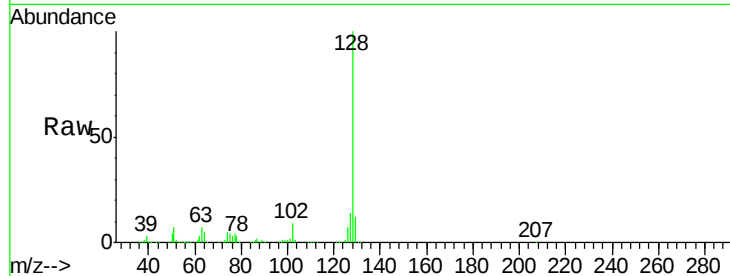
ClientSampled :

VX0402WBS02

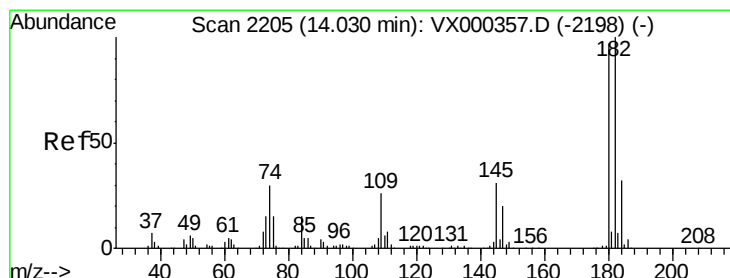
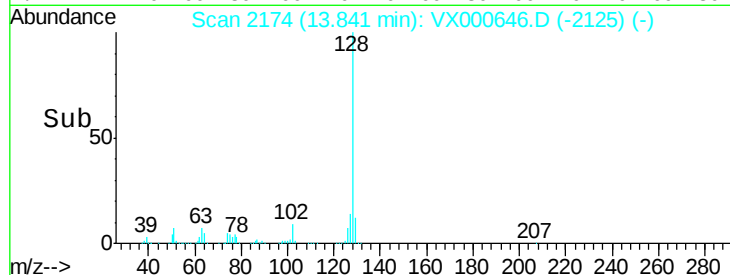
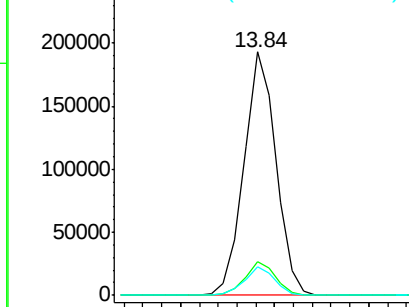
Tot Ion:	128	Resp:	227711
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
4/4/2018 5:09:42 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.76 ug/l

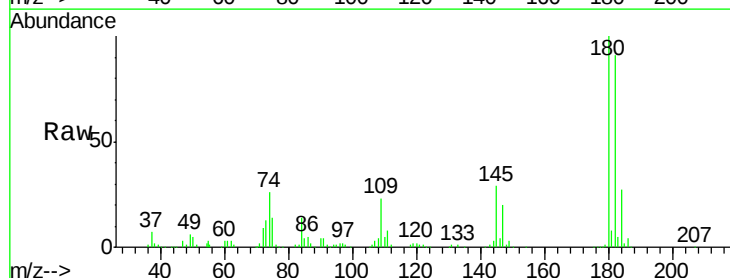
RT: 14.03 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VX000646.D

Acq: 02 Apr 2018 18:58

Tgt Ion:	180	Resp:	66947
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.4	142.3
145	30.7	15.8	47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

