

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX004011.D
 Acq On : 13 Aug 2018 20:07
 Operator : JC/MD
 Sample : J4429-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MSD

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:56:18 PM

Quant Time: Aug 14 05:36:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	324494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	486494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	459412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	278996	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	211979	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	5.51	113	179405	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	8.72	98	694909	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	11.14	95	263889	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	155024	47.14	ug/l	99
3) Chloromethane	1.32	50	184820	41.31	ug/l	99
4) Vinyl Chloride	1.40	62	202262	45.33	ug/l	100
5) Bromomethane	1.64	94	100735	35.45	ug/l	98
6) Chloroethane	1.72	64	140619	49.26	ug/l	98
7) Trichlorofluoromethane	1.93	101	284805	48.35	ug/l	99
8) Diethyl Ether	2.18	74	128582	48.56	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	175247	47.59	ug/l	99
10) Methyl Iodide	2.51	142	179973	39.29	ug/l	100
11) Tert butyl alcohol	3.04	59	213696	206.74	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	166668	47.85	ug/l	93
13) Acrolein	2.29	56	101545	178.23	ug/l	97
14) Allyl chloride	2.73	41	315206	46.95	ug/l	97
15) Acrylonitrile	3.14	53	629269	255.14	ug/l	94
16) Acetone	2.44	43	568711	222.24	ug/l	100
17) Carbon Disulfide	2.57	76	430239	40.49	ug/l	99
18) Methyl Acetate	2.77	43	276818	49.68	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	620107	50.25	ug/l #	1
20) Methylene Chloride	2.86	84	201758	32.52	ug/l #	91
21) trans-1,2-Dichloroethene	3.17	96	184392	46.63	ug/l	99
22) Diisopropyl ether	3.87	45	664845	53.87	ug/l	99
23) Vinyl Acetate	3.82	43	2579382	251.19	ug/l	100
24) 1,1-Dichloroethane	3.70	63	362254	49.41	ug/l	100
25) 2-Butanone	4.70	43	929982	241.71	ug/l	99
26) 2,2-Dichloropropane	4.59	77	238563	45.12	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	216732	50.52	ug/l	97
28) Bromochloromethane	5.02	49	155068	49.43	ug/l	100
29) Tetrahydrofuran	5.15	42	479496	242.47	ug/l	99
30) Chloroform	5.21	83	358390	51.93	ug/l	91
31) Cyclohexane	5.58	56	1602266	258.44	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	300786	51.97	ug/l	99
36) 1,1-Dichloropropene	5.80	75	263107	48.29	ug/l	100
37) Ethyl Acetate	4.85	43	270476	45.13	ug/l	99
38) Carbon Tetrachloride	5.79	117	259477	50.03	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1681663	261.77	ug/l	99
40) Benzene	6.15	78	806576	49.30	ug/l	99
41) Methacrylonitrile	5.06	41	164816	49.93	ug/l	99
42) 1,2-Dichloroethane	6.20	62	280849	50.77	ug/l	98
43) Isopropyl Acetate	6.46	43	473910	52.54	ug/l	99
44) Trichloroethene	7.21	130	219328	49.02	ug/l	94
45) 1,2-Dichloropropane	7.52	63	208870	49.44	ug/l	99
46) Dibromomethane	7.67	93	138347	50.44	ug/l	100
47) Bromodichloromethane	7.90	83	266724	51.62	ug/l	99
48) Methyl methacrylate	7.78	41	234702	51.19	ug/l	99
49) 1,4-Dioxane	7.76	88	93638	866.95	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1928260	257.92	ug/l	99
52) Toluene	8.79	92	524918	50.77	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	305396	52.29	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	322314	51.18	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	211470	50.06	ug/l	99
56) Ethyl methacrylate	9.18	69	346055	56.46	ug/l	97
57) 1,3-Dichloropropane	9.37	76	364602	51.57	ug/l	99
59) 2-Hexanone	9.50	43	1446905	258.91	ug/l	100
60) Dibromochloromethane	9.59	129	216010	54.84	ug/l	100
61) 1,2-Dibromoethane	9.68	107	226232	53.49	ug/l	99
64) Tetrachloroethene	9.34	164	203065	44.93	ug/l	94
65) Chlorobenzene	10.14	112	575771	48.17	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.23	131	212057	51.60	ug/l	99
67) Ethyl Benzene	10.26	91	2608728	133.31	ug/l	99
68) m/p-Xylenes	10.36	106	1403358	183.54	ug/l	95
69) o-Xylene	10.70	106	400606	55.50	ug/l	100
70) Stvrene	10.71	104	651954	55.17	ug/l	97
71) Bromoform	10.86	173	170696	55.54	ug/l	100
73) Isopropylbenzene	11.02	105	1706659	82.69	ug/l	96
74) N-amyl acetate	6.46	43	473910	44.15	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	344462	48.70	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	298192m	48.39	ug/l	
77) Bromobenzene	11.26	156	269142	48.88	ug/l	99
78) n-propylbenzene	11.36	91	2544096	109.77	ug/l	99
79) 2-Chlorotoluene	11.42	91	740920	52.43	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	2263514	134.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	95352	47.16	ug/l	97
82) 4-Chlorotoluene	11.51	91	973326	58.79	ug/l	91
83) tert-Butylbenzene	11.77	119	887542	53.61	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	5235287	309.38	ug/l	96
85) sec-Butylbenzene	11.95	105	1171552	59.96	ug/l	97
86) p-Isopropyltoluene	12.07	119	1085801	61.93	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	514028	50.50	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	517617	49.03	ug/l	99
89) n-Butylbenzene	12.39	91	904043	59.17	ug/l #	87
90) Hexachloroethane	12.60	117	179992	63.23	ug/l	71
91) 1,2-Dichlorobenzene	12.39	146	468663	46.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	65629	45.29	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	347677	47.92	ug/l	96

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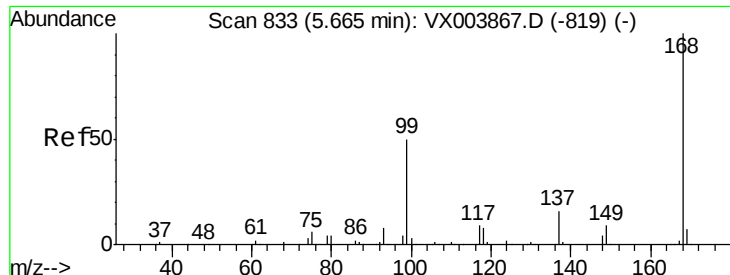
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
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QLast Update : Mon Aug 13 01:34:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	152879	44.98	ug/l	98
95) Naphthalene	13.83	128	1611882	77.57	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	376680	52.02	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MSD

Tot Ion:168 Resp: 324494

Ion Ratio Lower Upper

168 100

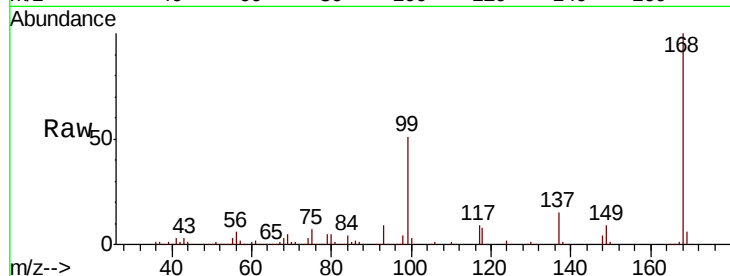
99 50.7 40.1 60.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

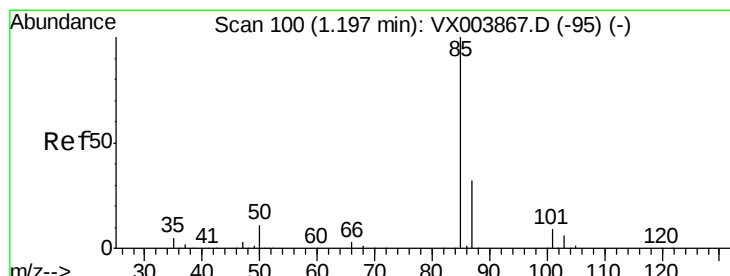
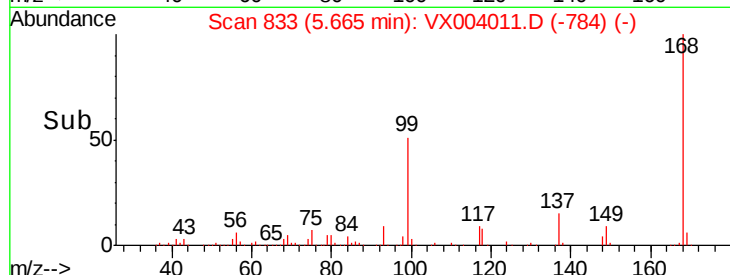
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.14 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX004011.D

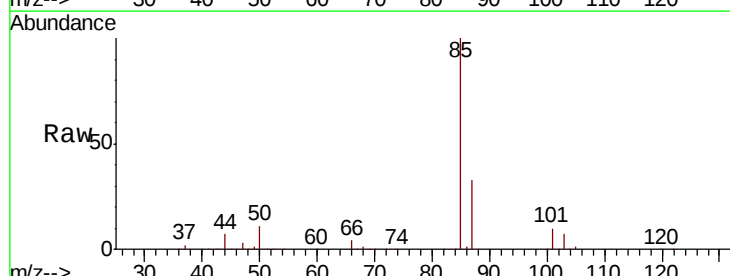
Acq: 13 Aug 2018 20:07

Tgt Ion: 85 Resp: 155024

Ion Ratio Lower Upper

85 100

87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

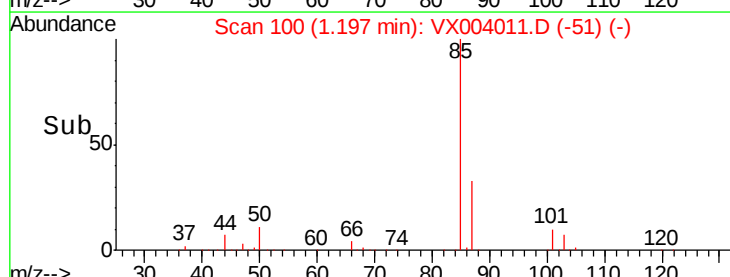
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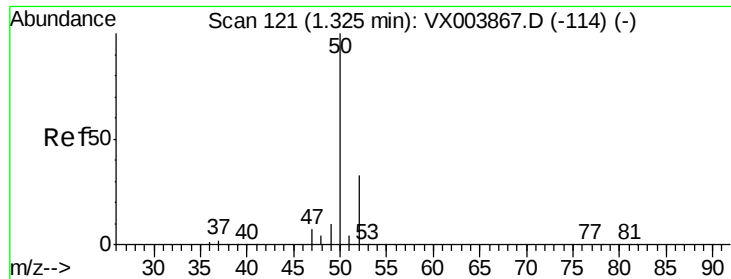
100000

50000

0

Time-->





#3

Chloromethane

Concen: 41.31 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MSD

Tot Ion: 50 Resp: 184820

Ion Ratio Lower Upper

50 100

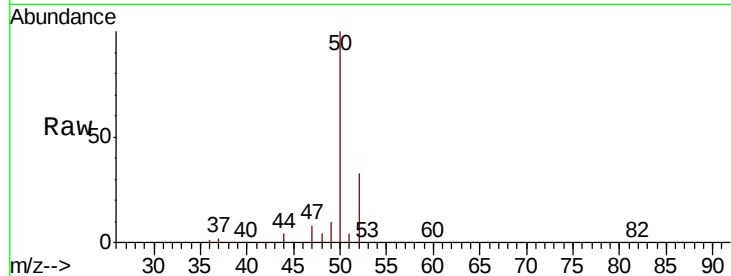
52 32.7 26.6 39.8

Manual Integrations

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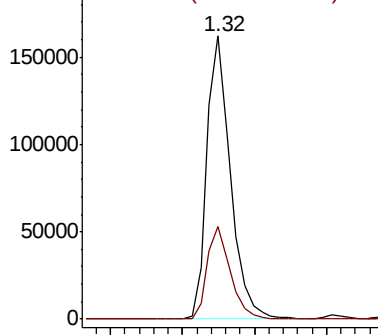
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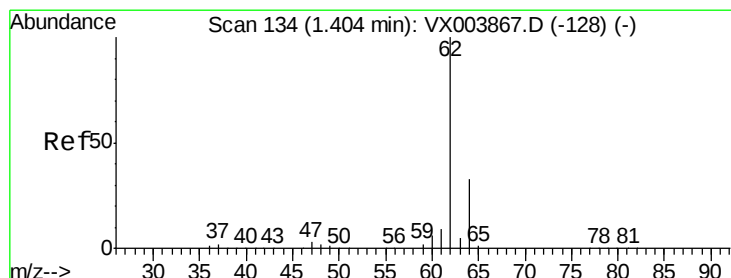
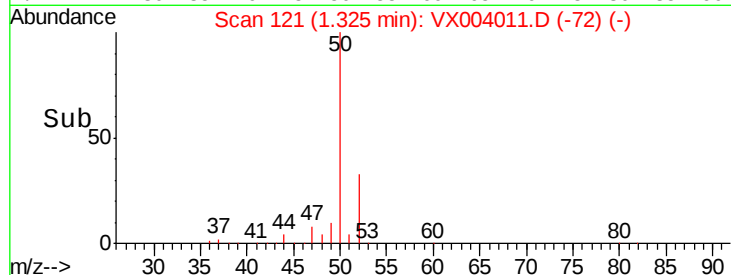


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 45.33 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004011.D

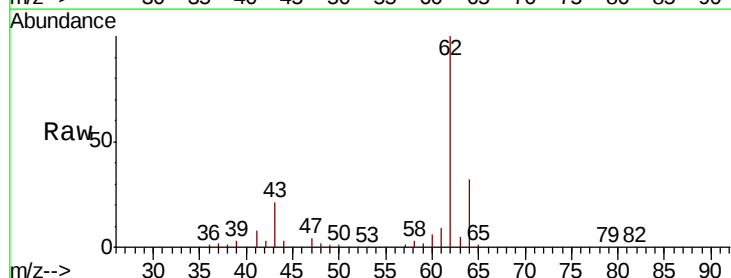
Acq: 13 Aug 2018 20:07

Tgt Ion: 62 Resp: 202262

Ion Ratio Lower Upper

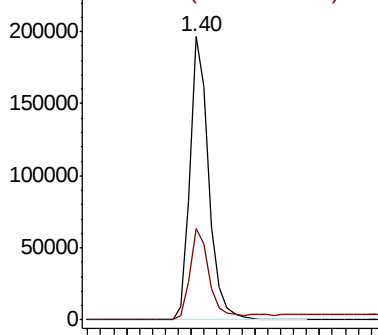
62 100

64 32.3 26.0 39.0

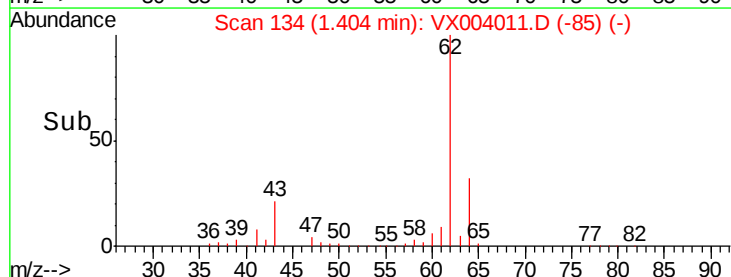


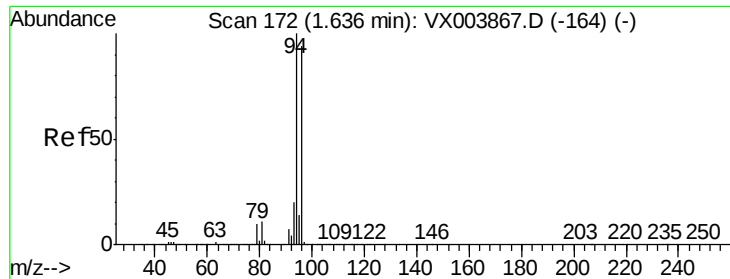
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 35.45 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MSD

Tot Ion: 94 Resp: 100735

Ion Ratio Lower Upper

94 100

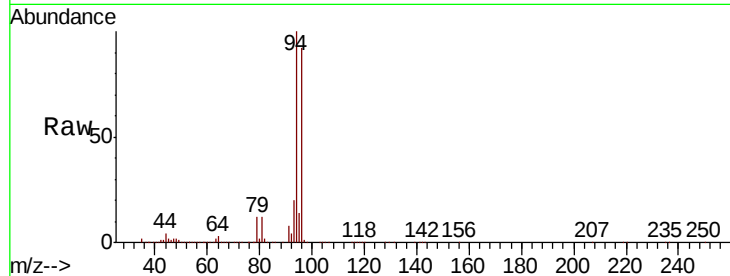
96 92.3 75.2 112.8

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

120000

100000

80000

60000

40000

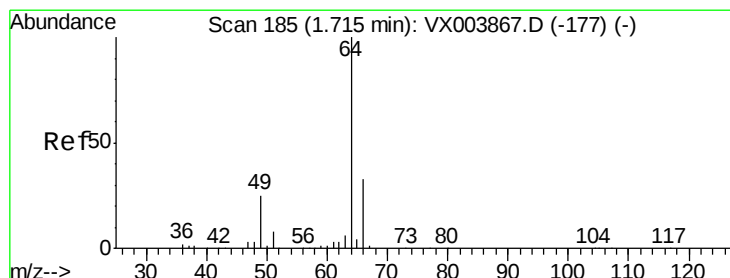
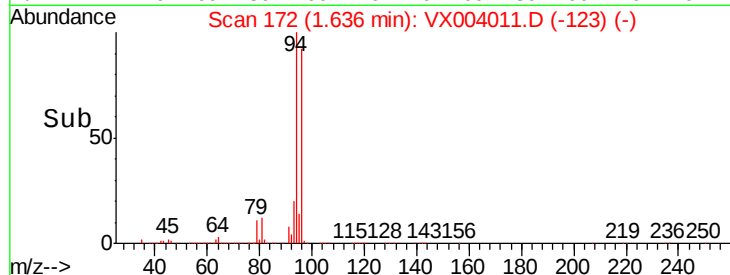
20000

0

1.64

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 49.26 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004011.D

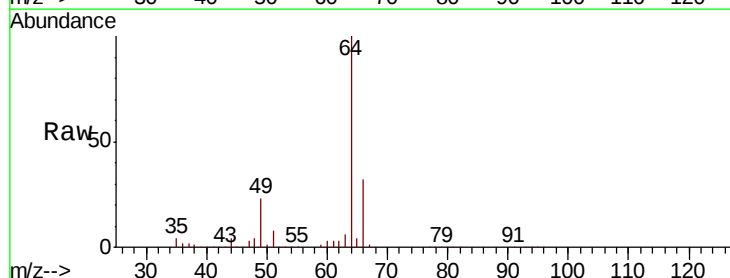
Acq: 13 Aug 2018 20:07

Tgt Ion: 64 Resp: 140619

Ion Ratio Lower Upper

64 100

66 32.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

120000

100000

80000

60000

40000

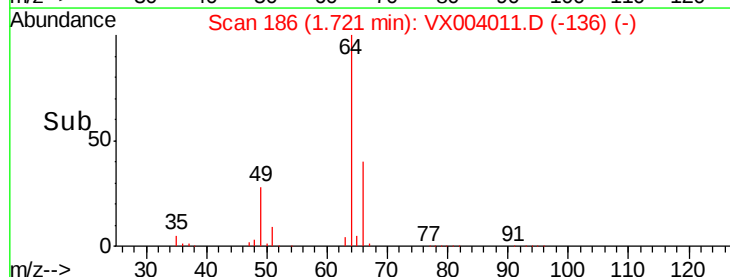
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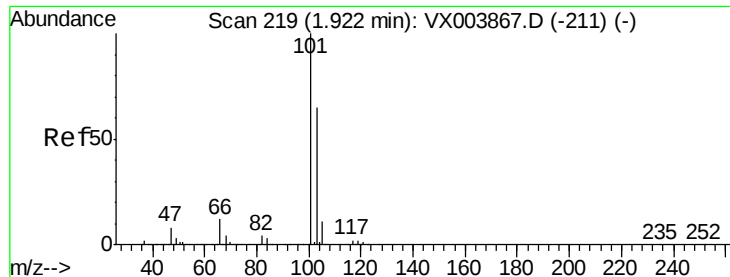
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1.72

1.70 1.80

Time-->





#7

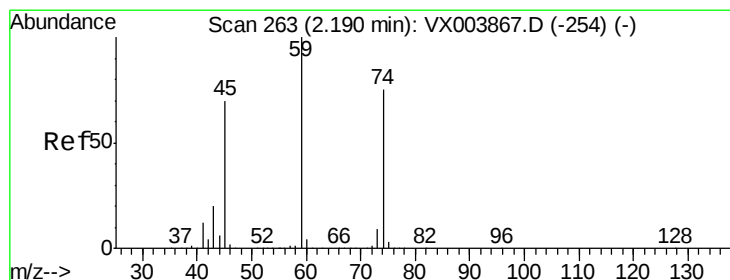
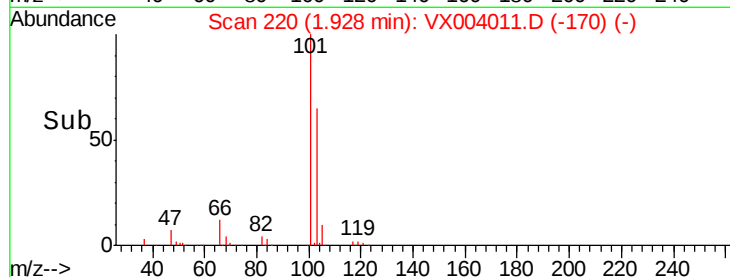
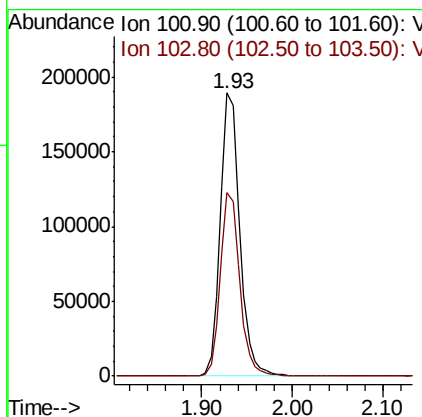
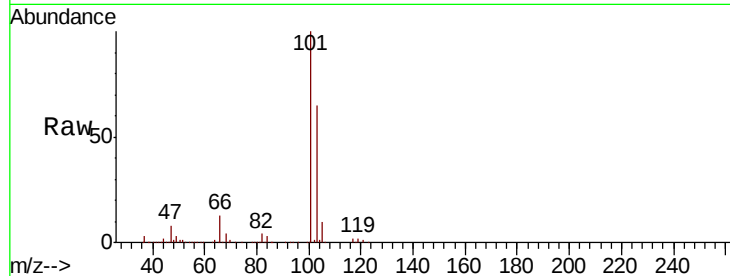
Trichlorofluoromethane
Concen: 48.35 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.3	78.5

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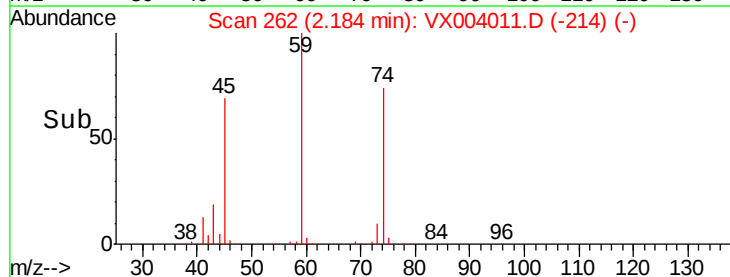
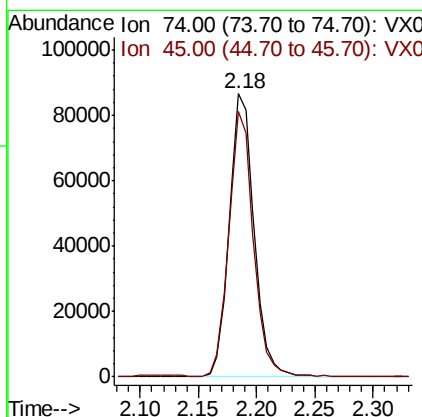
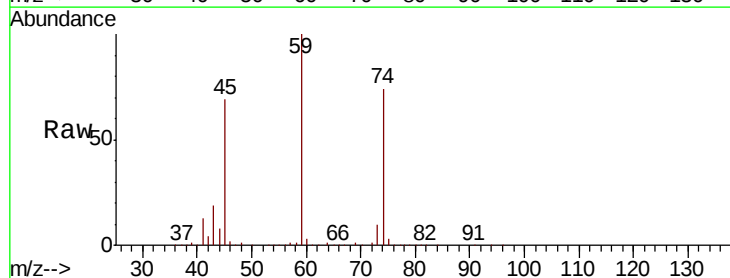
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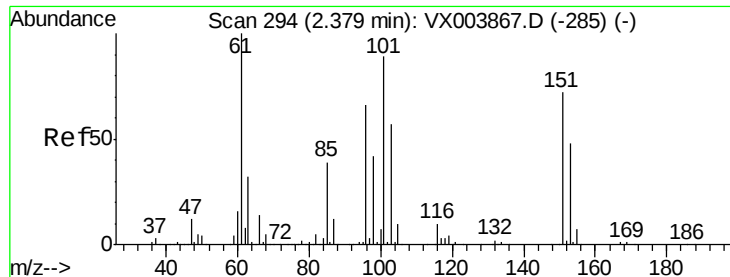


#8

Diethyl Ether
Concen: 48.56 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.3	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.59 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

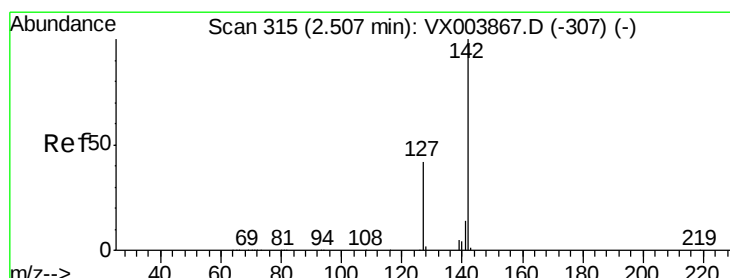
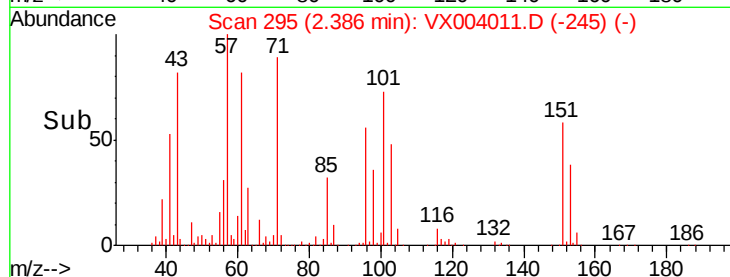
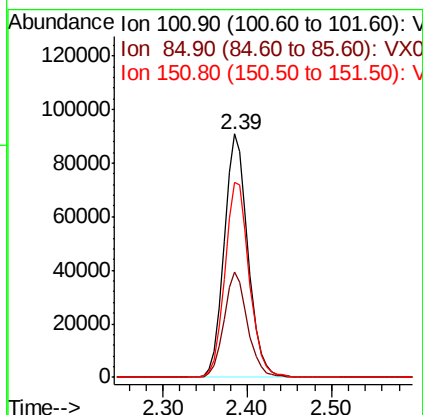
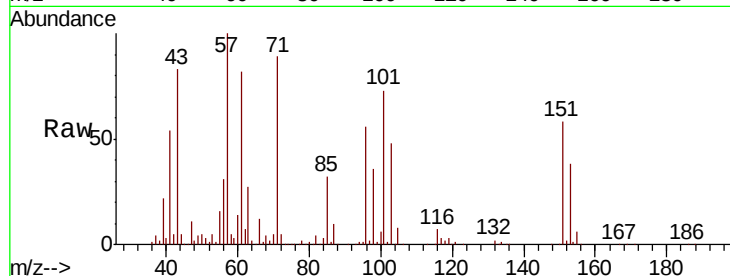
ClientSampleId :

FL-0540MSD

Tot Ion:	101	Resp:	175247
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.4
151	82.1	65.0	97.4

Manual Integrations
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8/14/2018 12:56:18 PM



#10

Methyl Iodide

Concen: 39.29 ug/l

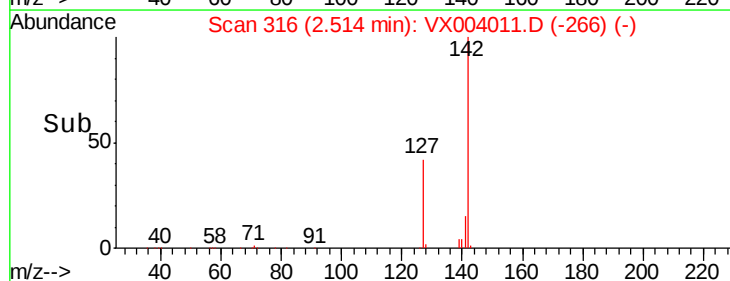
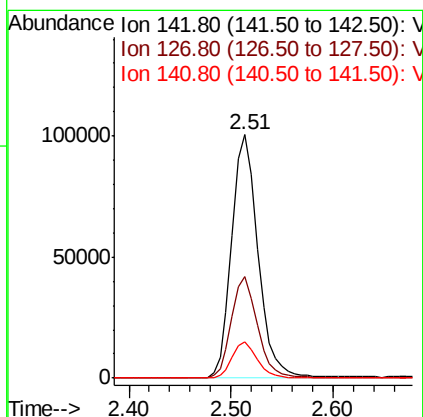
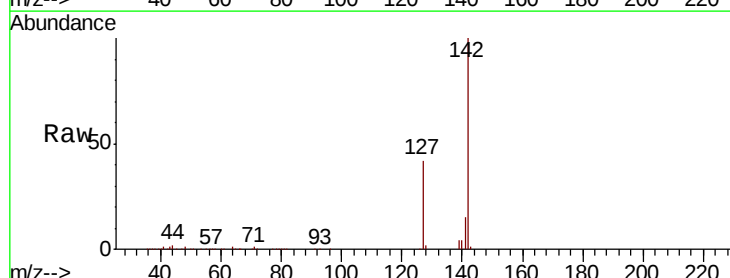
RT: 2.51 min Scan# 316

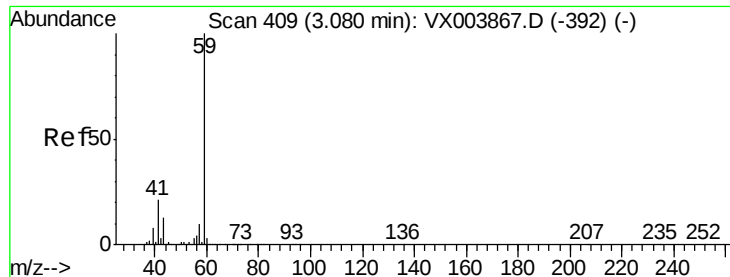
Delta R.T. 0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Tgt Ion:	142	Resp:	179973
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.1	49.7
141	14.2	11.1	16.7





#11

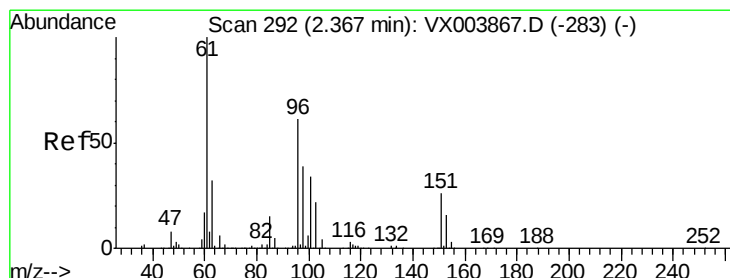
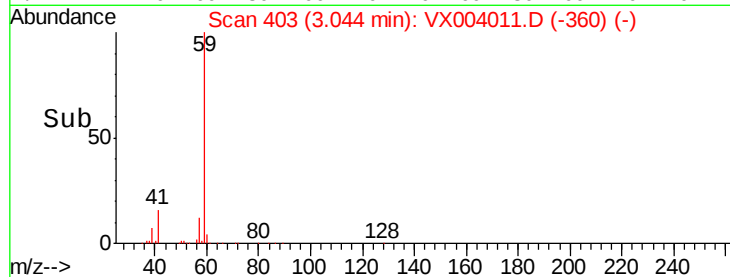
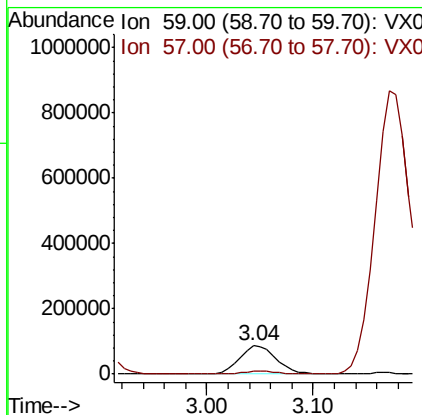
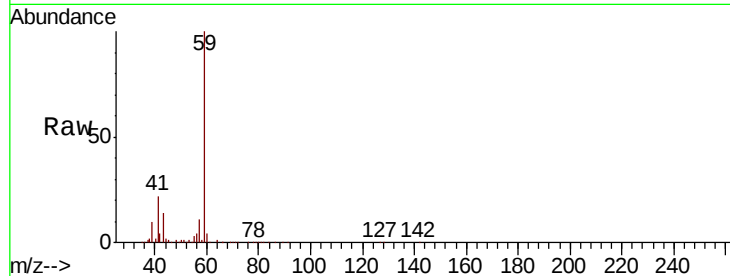
Tert butyl alcohol
Concen: 206.74 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.04 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#

Manual Integrations
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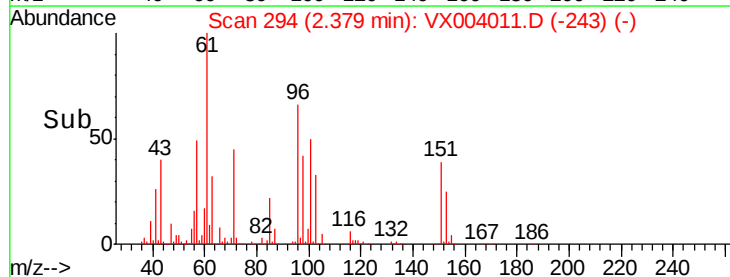
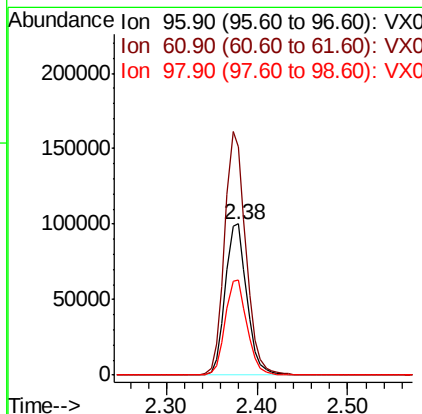
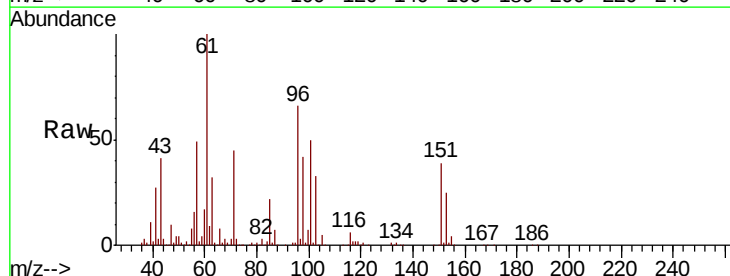
MMDadoda
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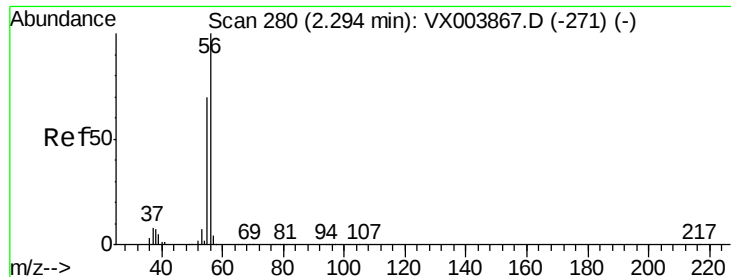


#12

1,1-Dichloroethene
Concen: 47.85 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.3	131.3	196.9
98	63.0	51.8	77.6





#13

Acrolein

Concen: 178.23 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MSD

Tot Ion: 56 Resp: 101545

Ion Ratio Lower Upper

56 100

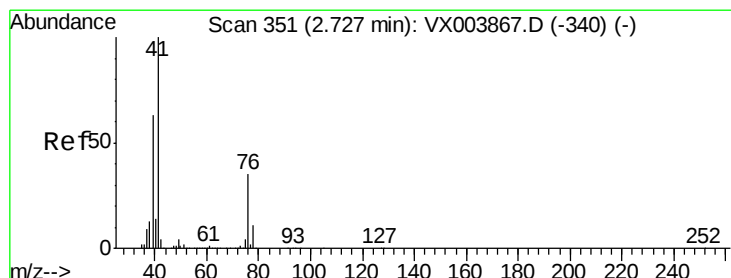
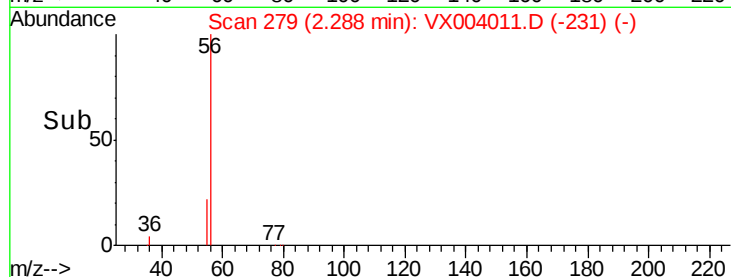
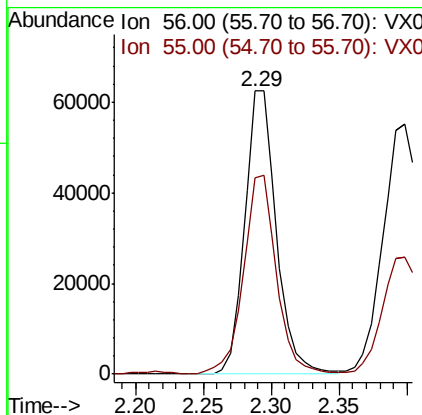
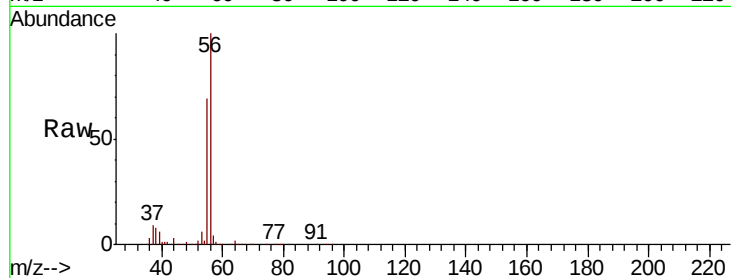
55 72.3 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 46.95 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

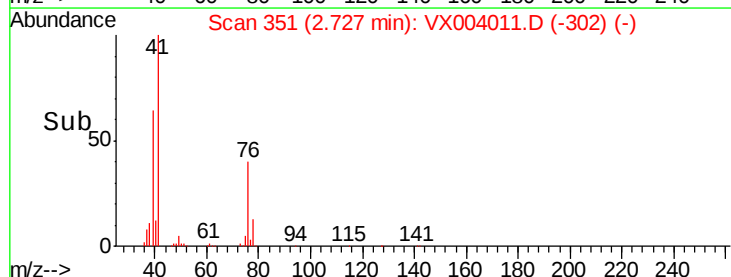
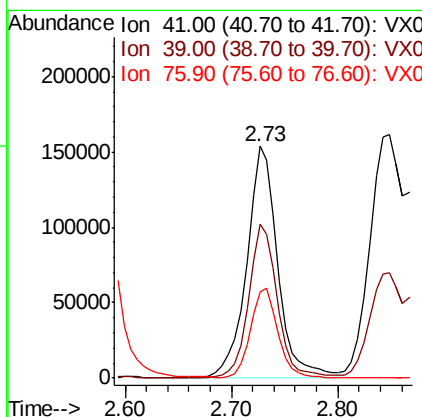
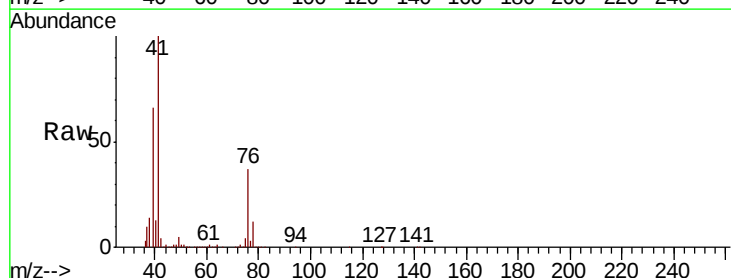
Tgt Ion: 41 Resp: 315206

Ion Ratio Lower Upper

41 100

39 61.0 47.4 71.0

76 34.1 26.0 39.0





#15

Acrylonitrile

Concen: 255.14 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

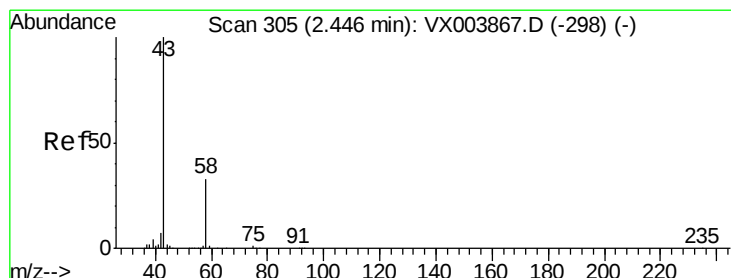
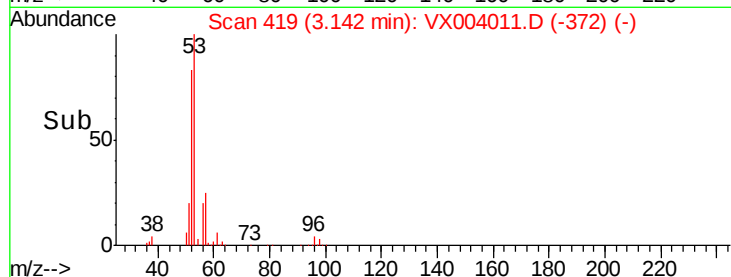
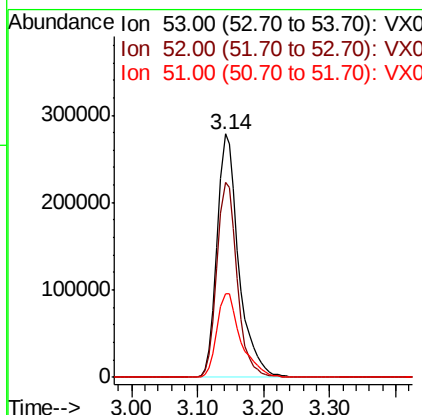
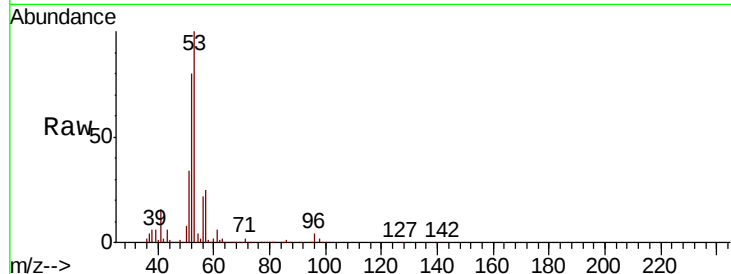
ClientSampleId :

FL-0540MSD

Tot Ion:	53	Resp:	629269
Ion	Ratio	Lower	Upper
53	100		
52	75.5	65.3	97.9
51	37.6	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 222.24 ug/l

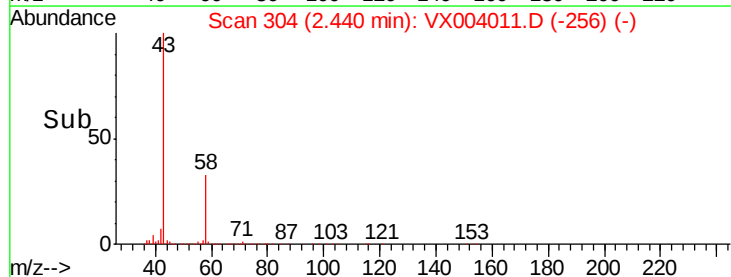
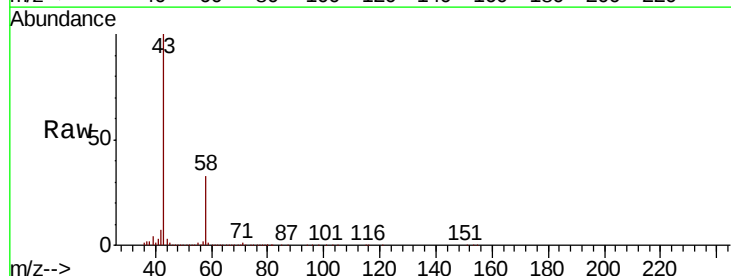
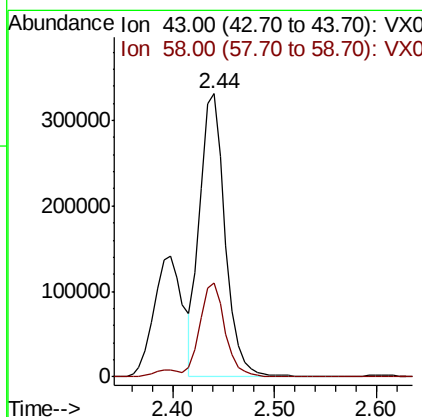
RT: 2.44 min Scan# 304

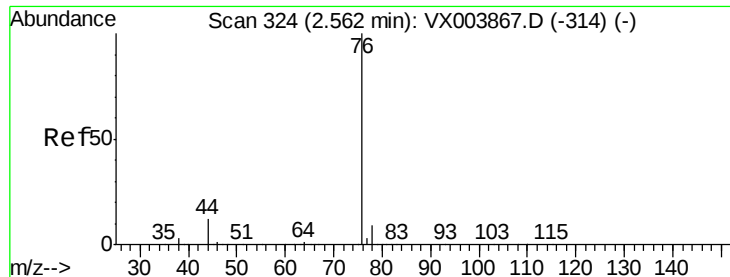
Delta R.T. -0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Tgt Ion:	43	Resp:	568711
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.4	39.6





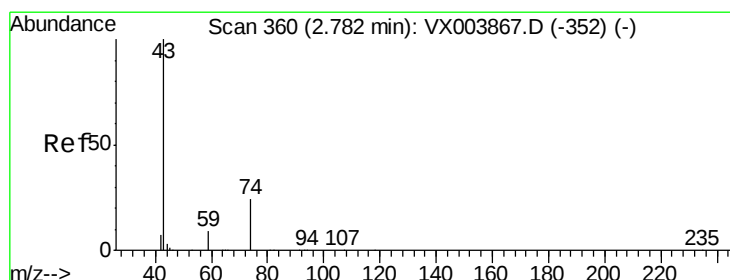
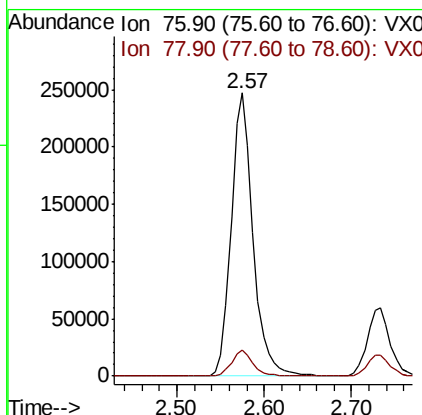
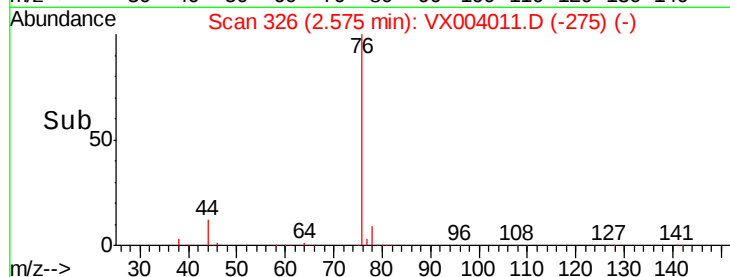
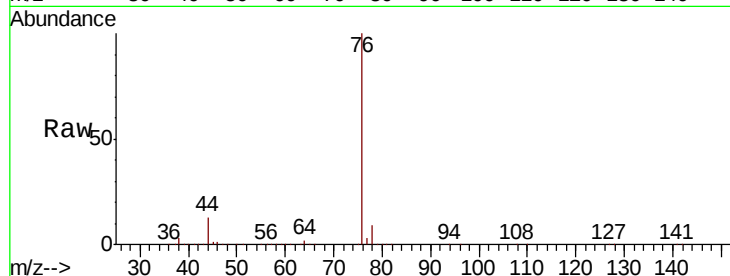
#17
Carbon Disulfide
Concen: 40.49 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampled :
FL-0540MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

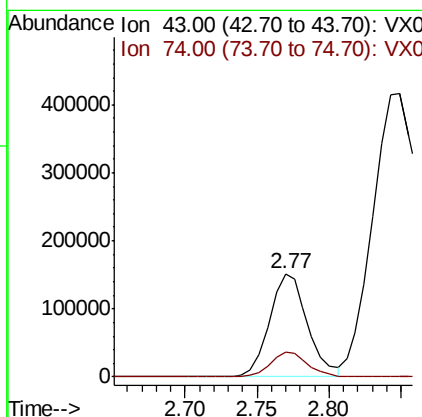
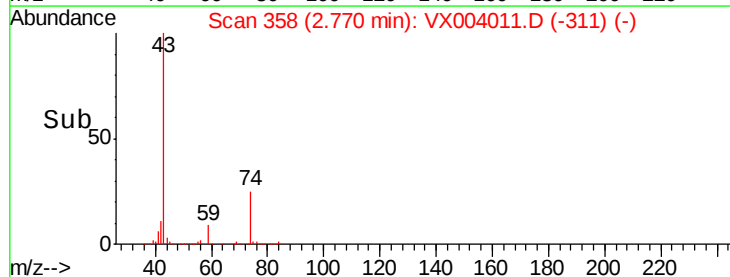
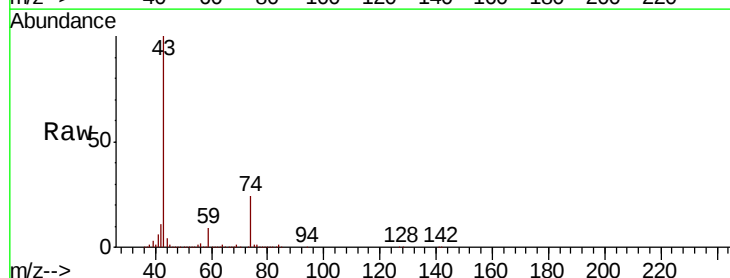
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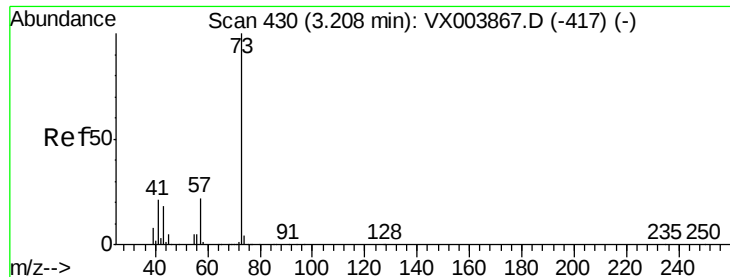
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#18
Methyl Acetate
Concen: 49.68 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.9	28.3





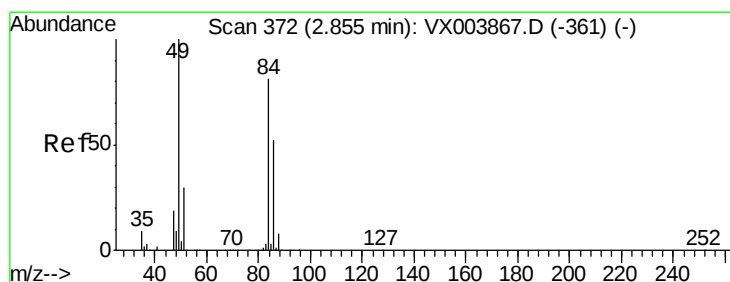
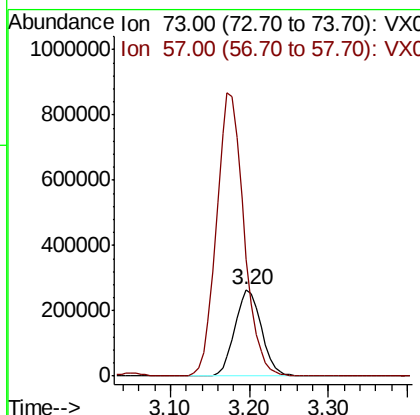
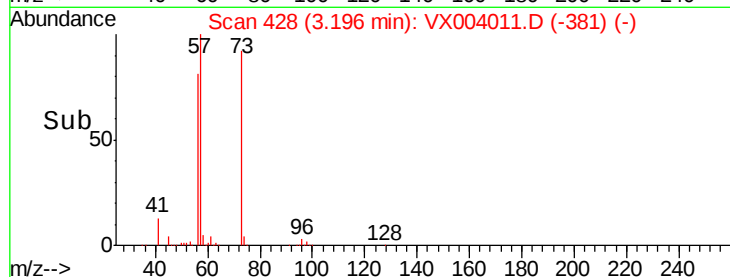
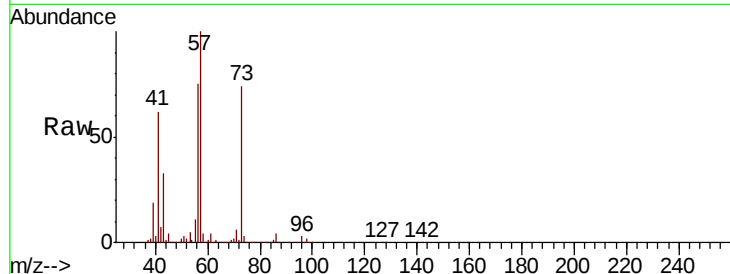
#19
Methvl tert-butvl Ether
Concen: 50.25 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	134.5	18.0	27.0#

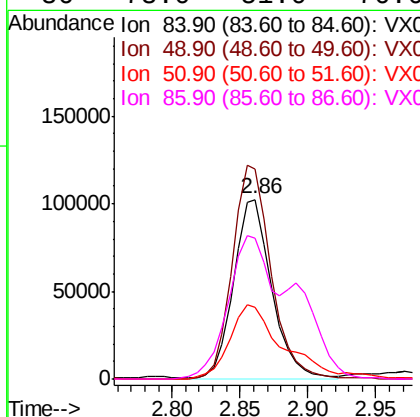
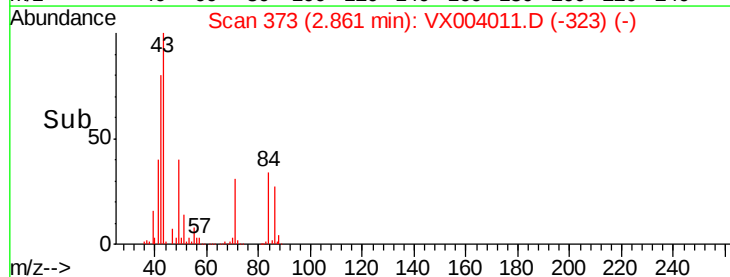
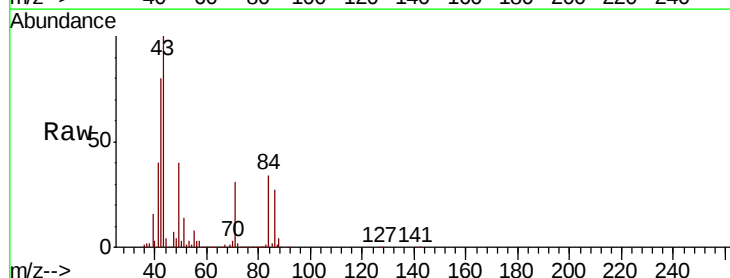
Manual Integrations
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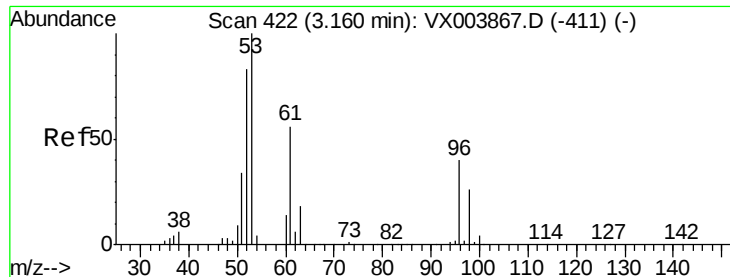
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#20
Methylene Chloride
Concen: 32.52 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.4	98.9	148.3
51	39.9	29.9	44.9
86	78.0	51.0	76.6#





#21

trans-1,2-Dichloroethene

Concen: 46.63 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

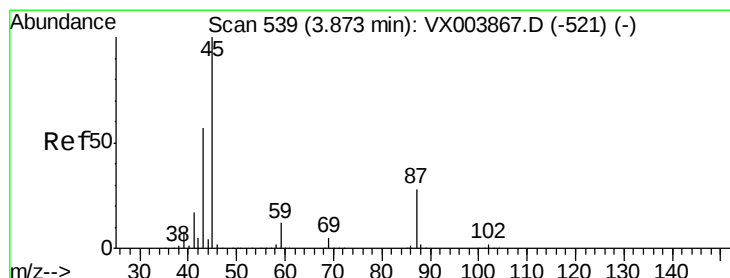
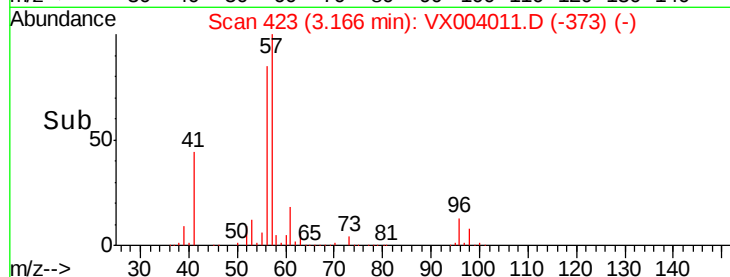
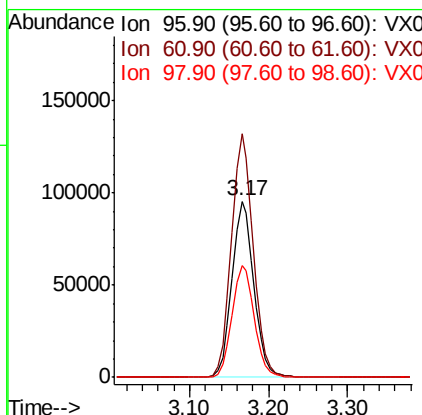
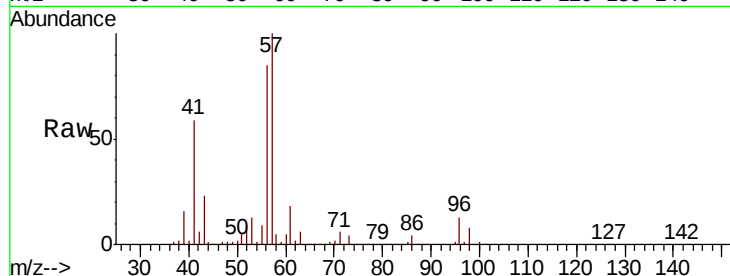
ClientSampleId :

FL-0540MSD

Tot Ion:	96	Resp:	184392
Ion	Ratio	Lower	Upper
96	100		
61	138.5	111.8	167.6
98	63.9	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.87 ug/l

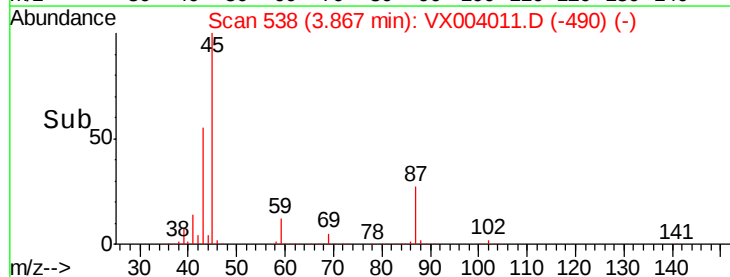
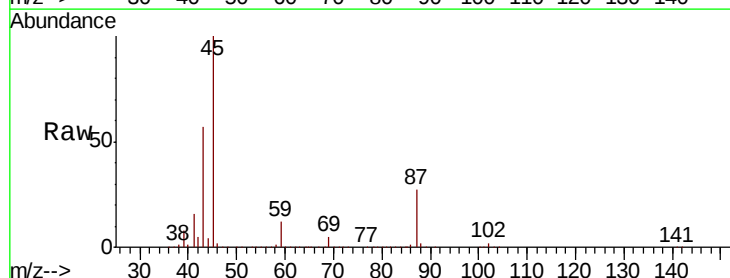
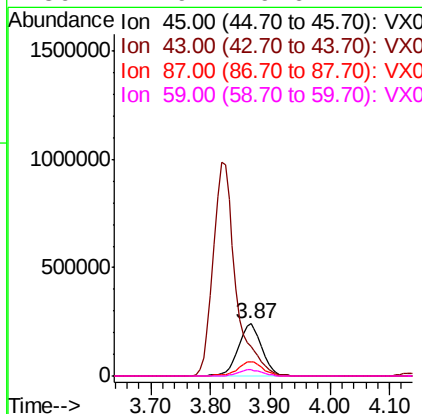
RT: 3.87 min Scan# 538

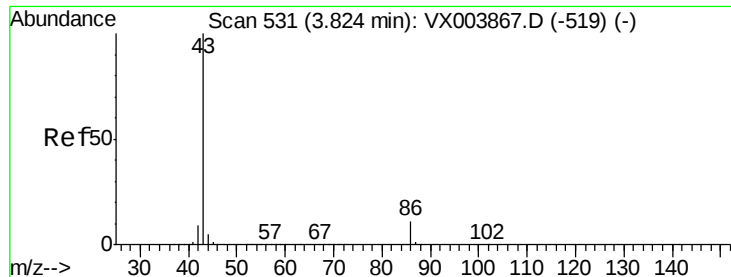
Delta R.T. -0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Tgt Ion:	45	Resp:	664845
Ion	Ratio	Lower	Upper
45	100		
43	56.9	45.3	67.9
87	27.1	22.7	34.1
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 251.19 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

ClientSampled :

FL-0540MSD

Tot Ion: 43 Resp: 2579382

Ion Ratio Lower Upper

43 100

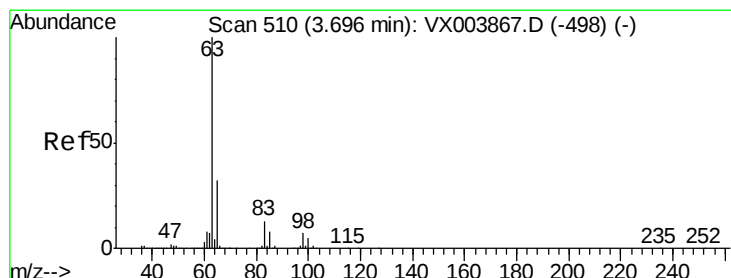
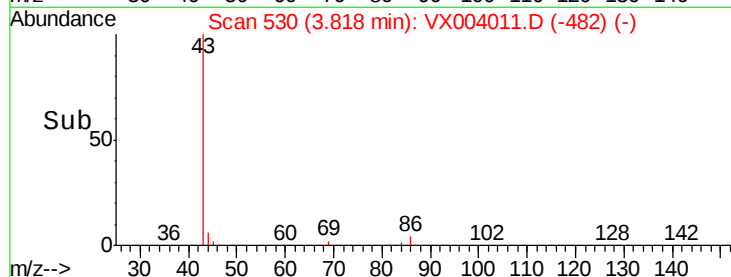
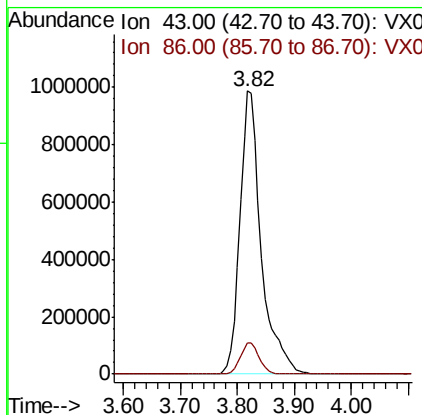
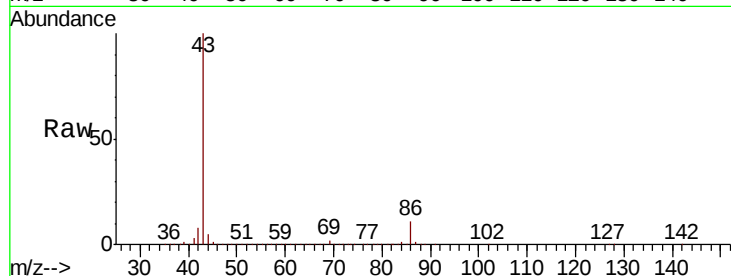
86 11.0 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.41 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

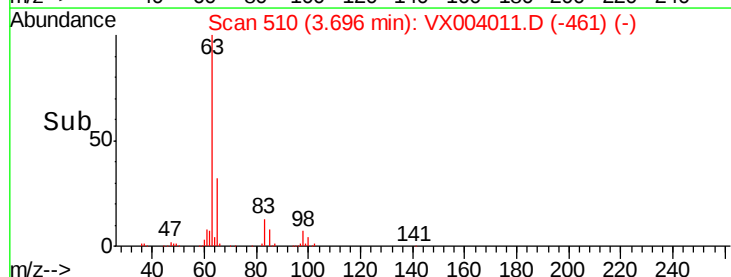
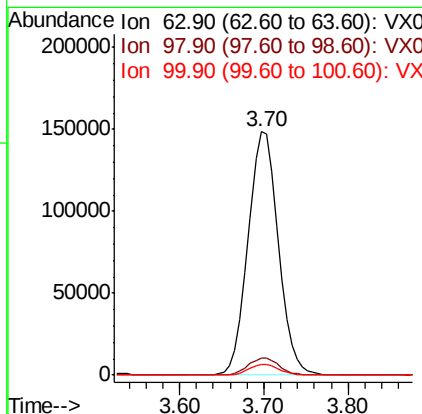
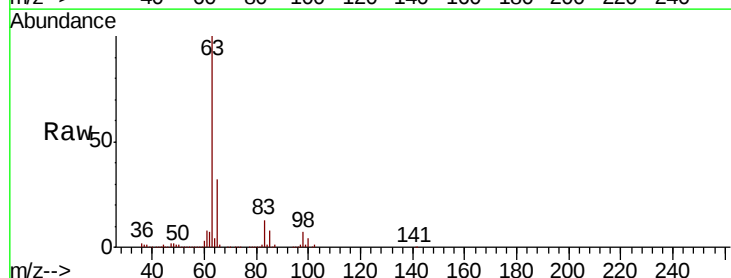
Tgt Ion: 63 Resp: 362254

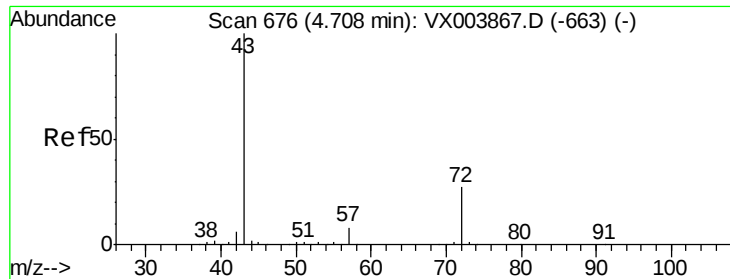
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 241.71 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MSD

Tot Ion: 43 Resp: 929982

Ion Ratio Lower Upper

43 100

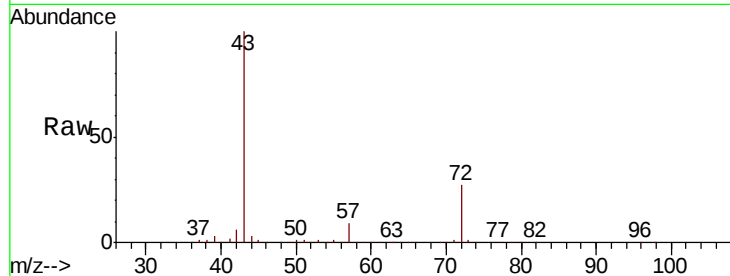
72 27.3 21.4 32.0

Manual Integrations

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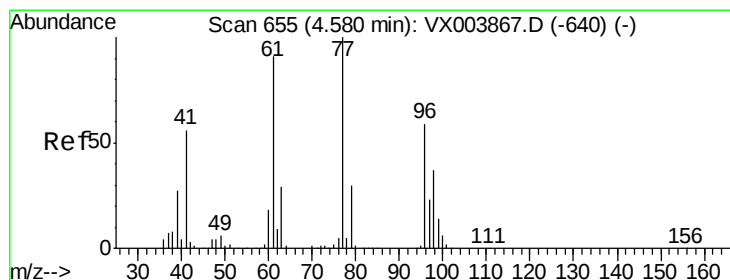
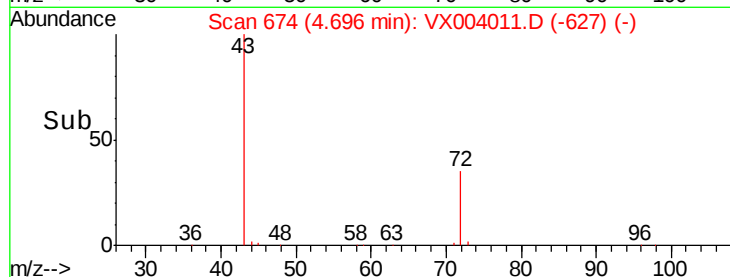
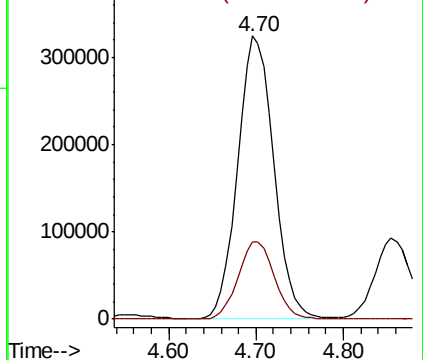
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 45.12 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX004011.D

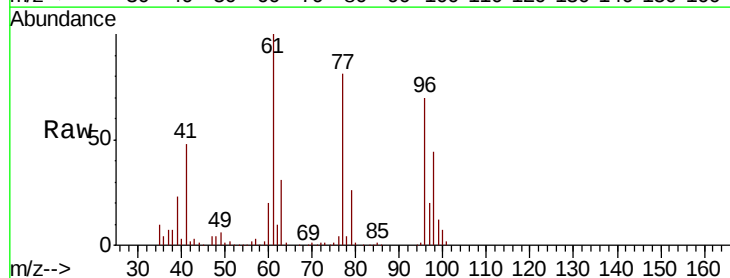
Acq: 13 Aug 2018 20:07

Tgt Ion: 77 Resp: 238563

Ion Ratio Lower Upper

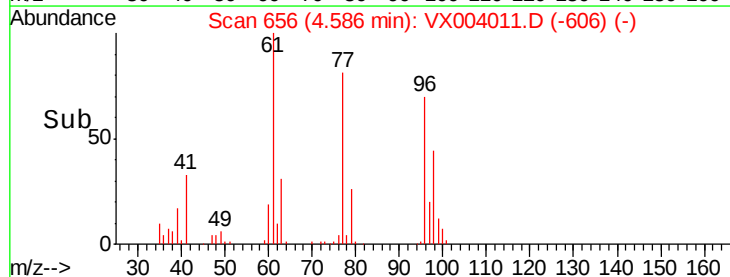
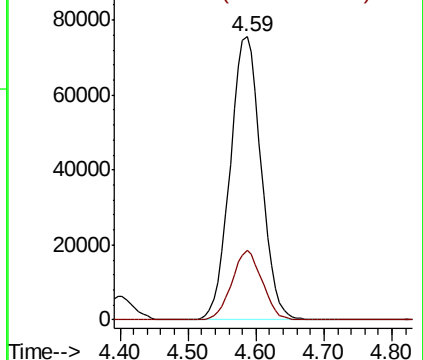
77 100

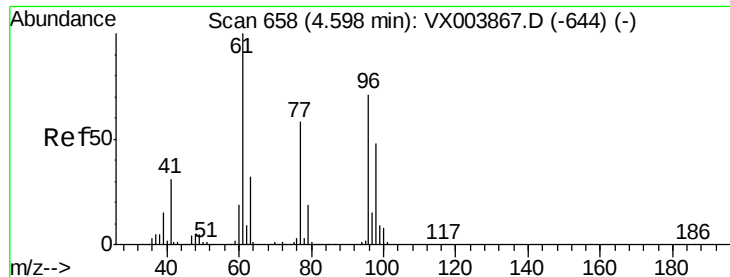
97 24.0 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

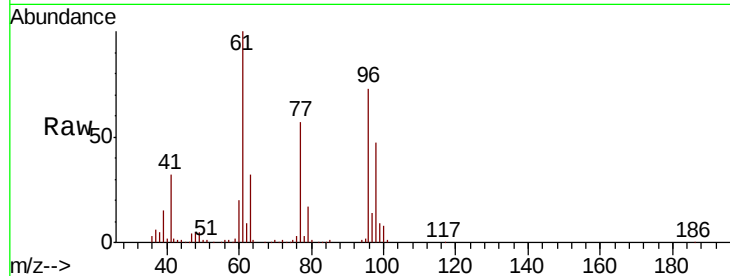
cis-1,2-Dichloroethene
Concen: 50.52 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

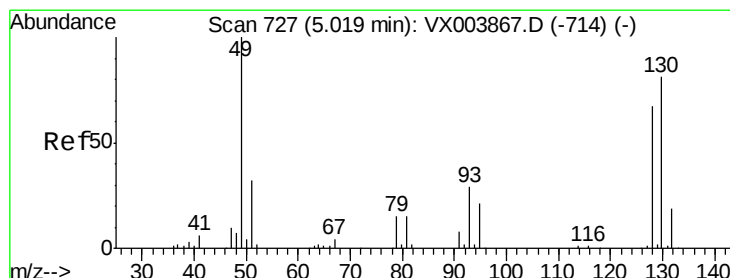
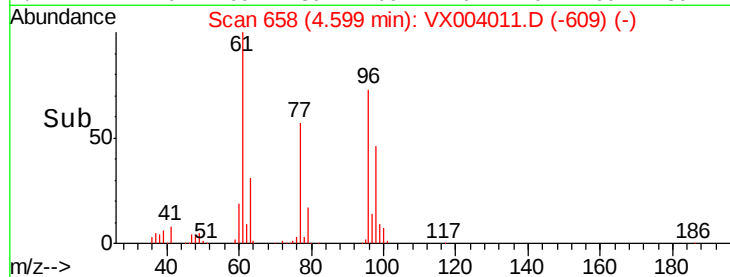
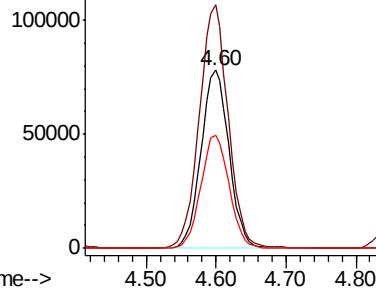
Tot Ion	Ratio	Resp	Lower	Upper
96	100	216732		
61	141.4	0.0	293.0	
98	64.3	0.0	131.8	

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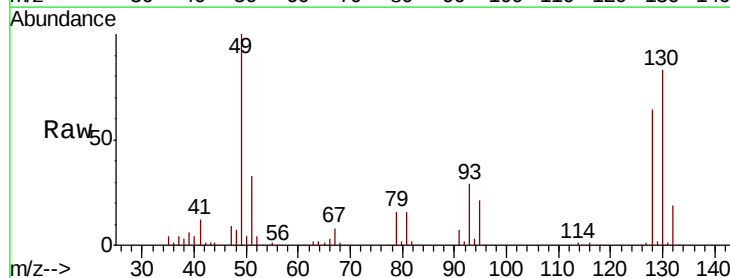
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



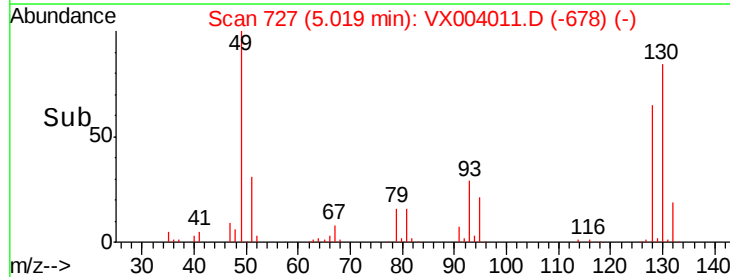
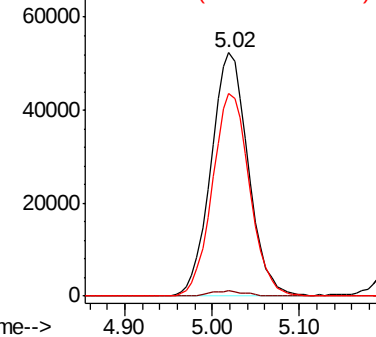
#28

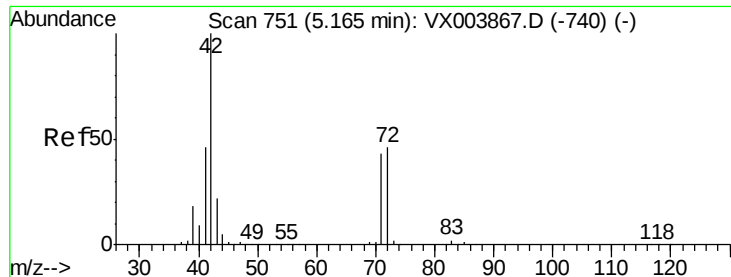
Bromochloromethane
Concen: 49.43 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	155068		
129	2.0	0.0	4.2	
130	83.4	66.5	99.7	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





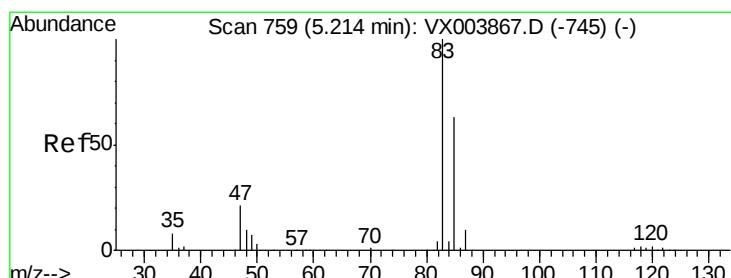
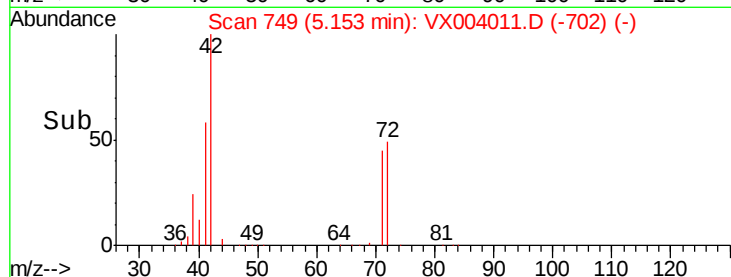
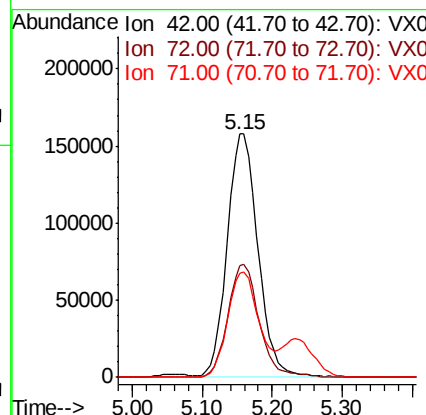
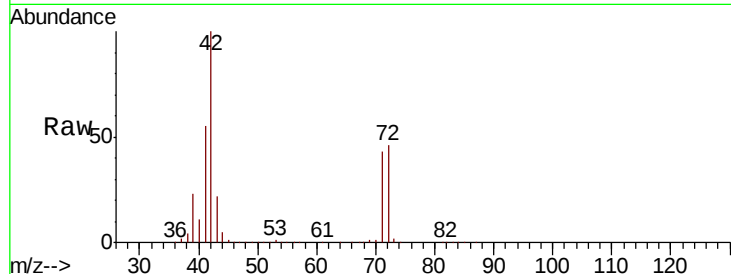
#29
Tetrahydrofuran
Concen: 242.47 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.7	56.5
71	44.2	35.0	52.6

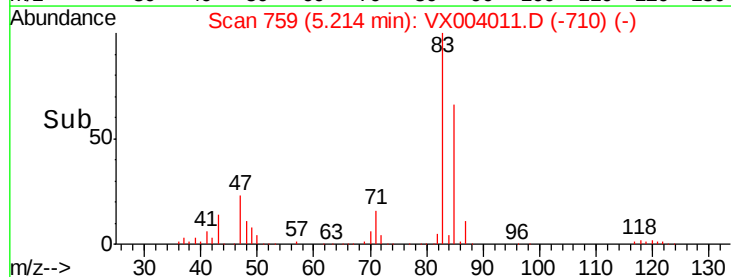
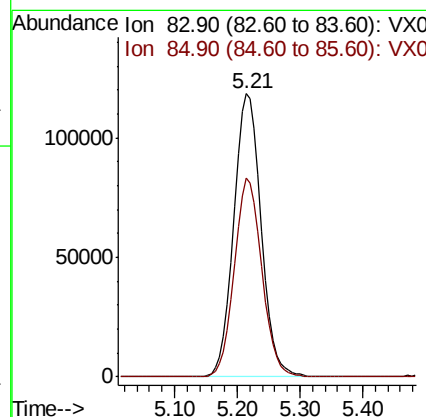
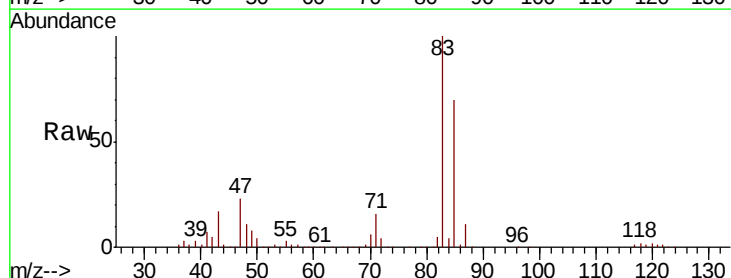
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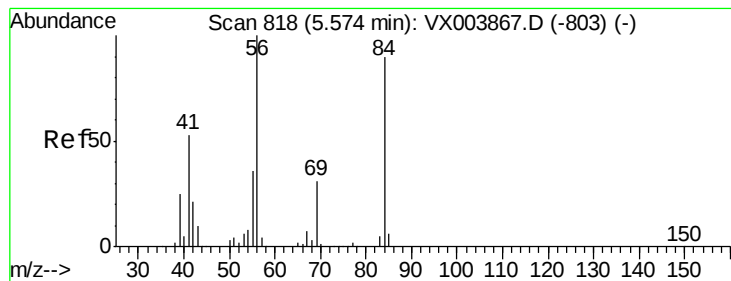
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#30
Chloroform
Concen: 51.93 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.4	50.7	76.1





#31

Cyclohexane

Concen: 258.44 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MSD

Tot Ion: 56 Resp: 1602266

Ion Ratio Lower Upper

56 100

69 30.3 24.9 37.3

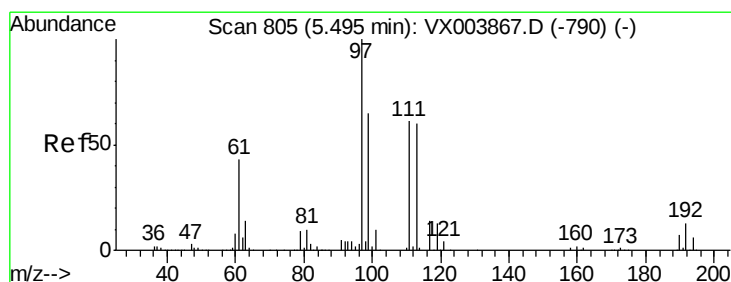
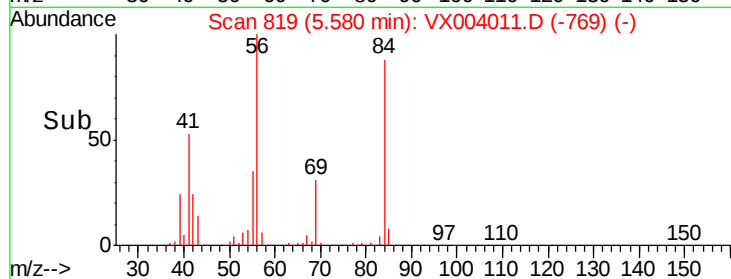
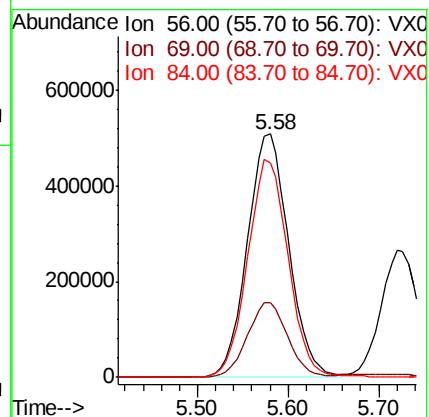
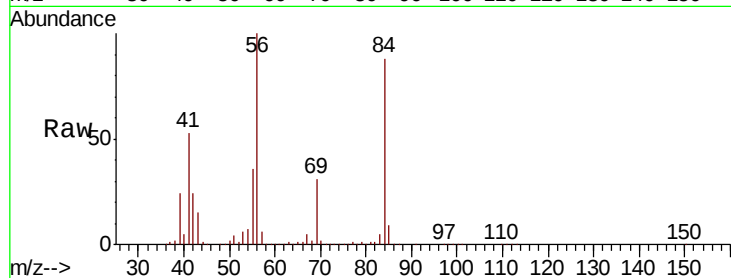
84 87.8 71.7 107.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 51.97 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

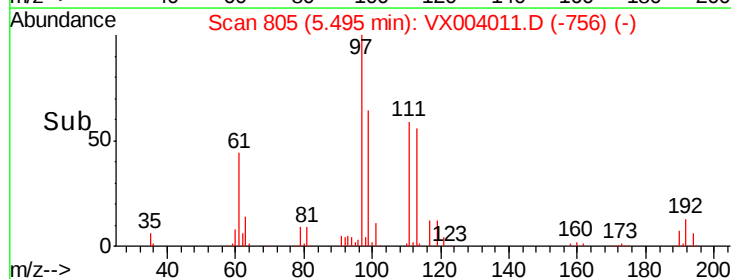
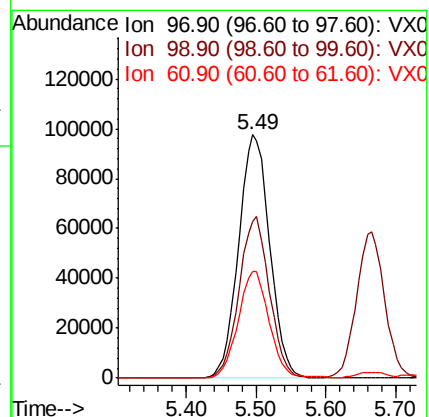
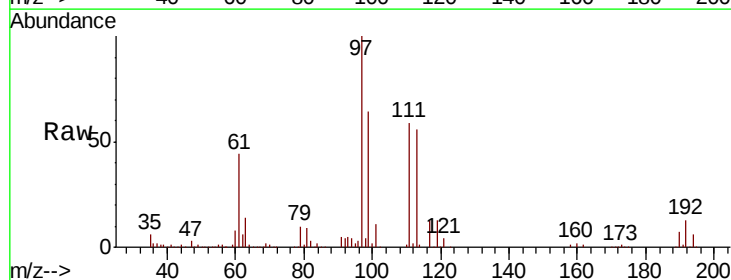
Tgt Ion: 97 Resp: 300786

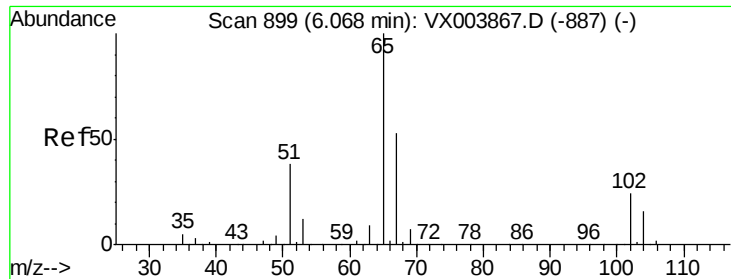
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.8

61 44.0 34.4 51.6





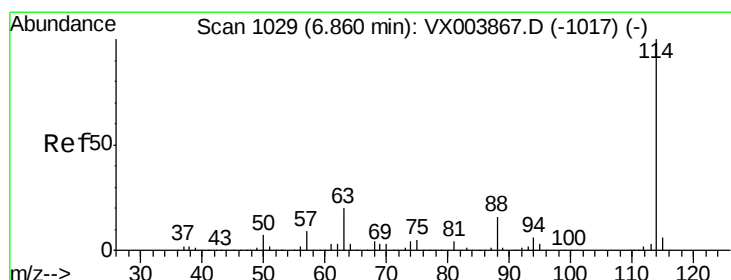
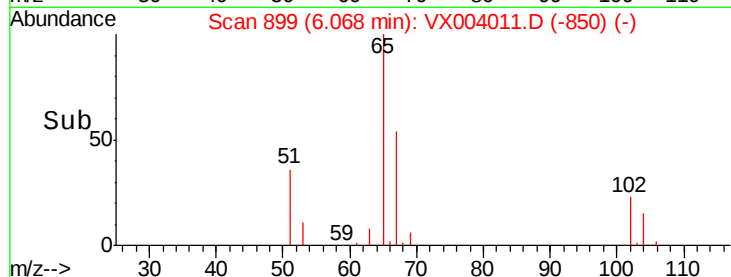
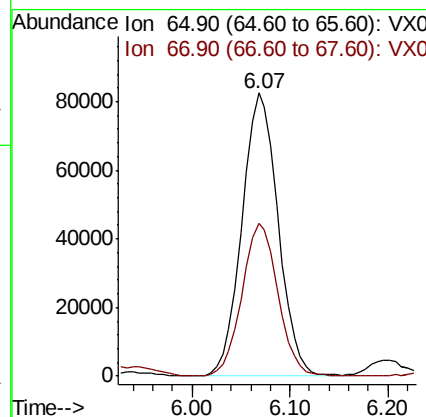
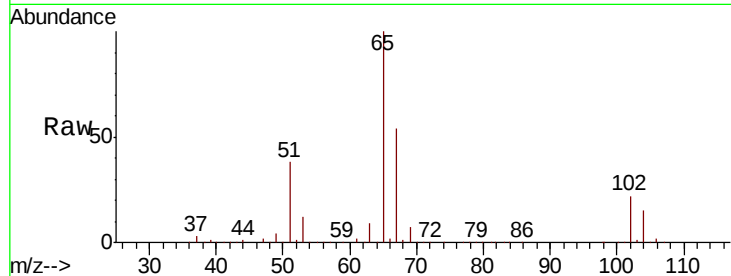
#33
 1,2-Dichloroethane-d4
 Concen: 49.28 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211979		
67	53.1	0.0	105.8	

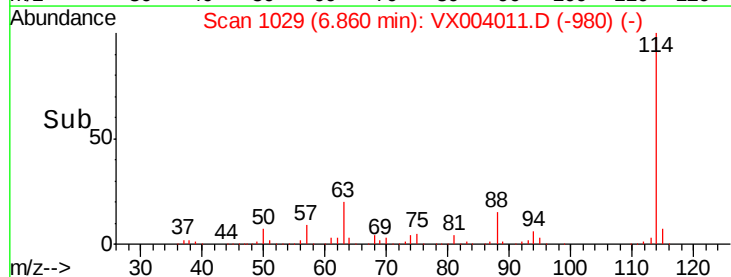
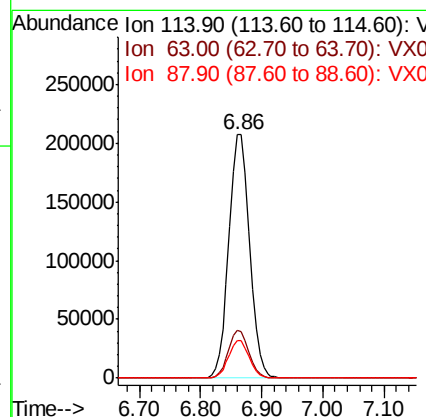
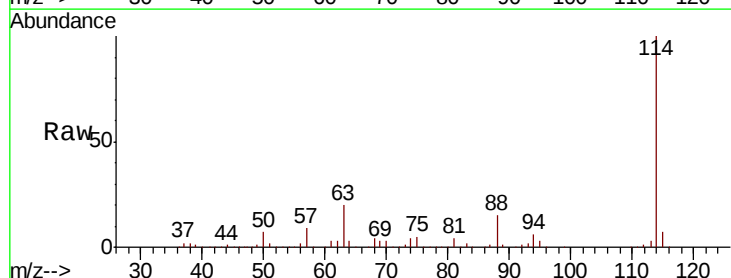
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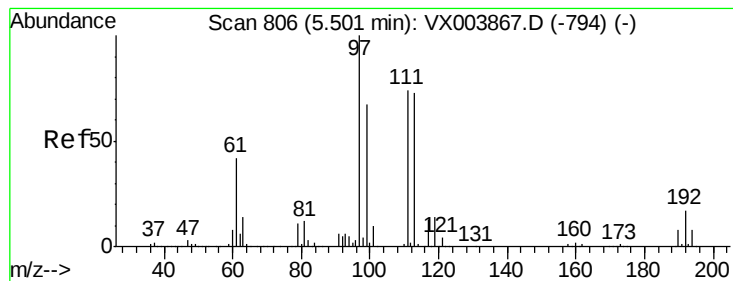
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	486494		
63	19.6	0.0	39.0	
88	15.3	0.0	32.0	





#35

Dibromofluoromethane

Concen: 48.68 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

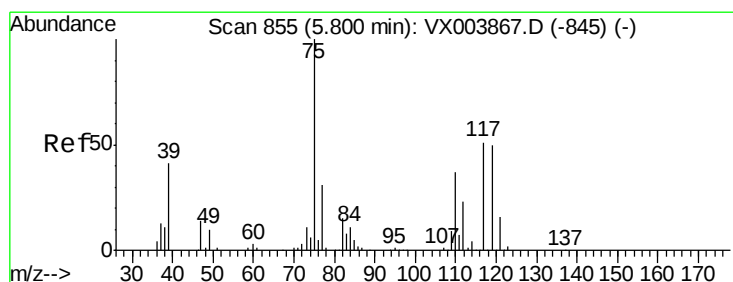
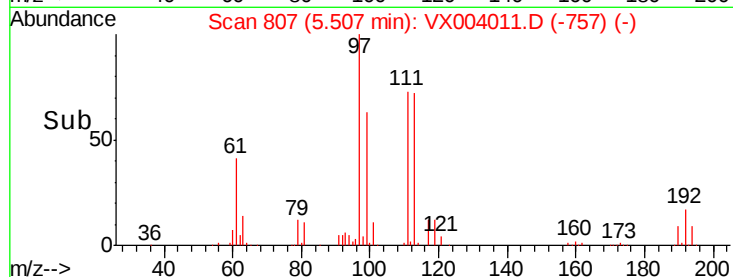
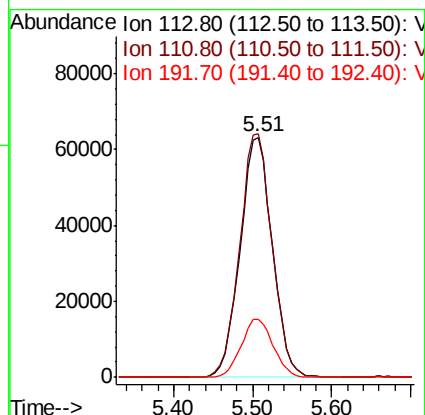
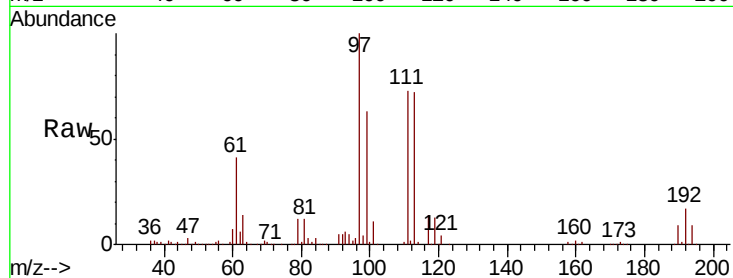
ClientSampleId :

FL-0540MSD

Tot Ion:	113	Resp:	179405
Ion Ratio	Lower	Upper	
113	100		
111	101.8	82.0	123.0
192	24.1	19.0	28.4

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#36

1,1-Dichloropropene

Concen: 48.29 ug/l

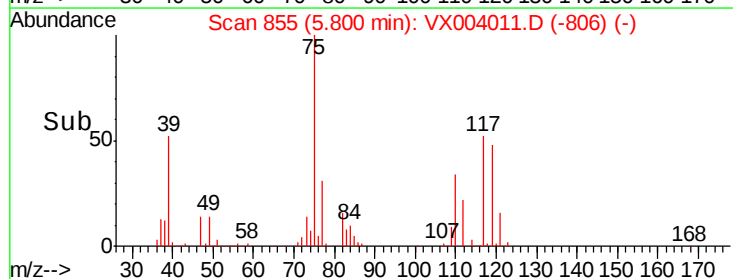
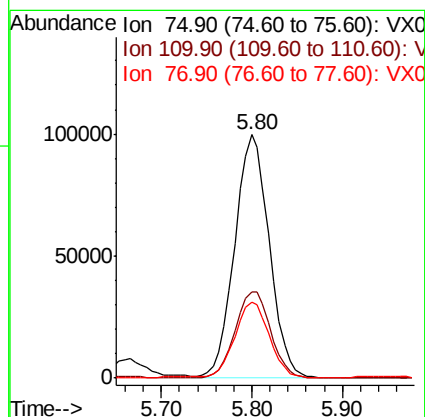
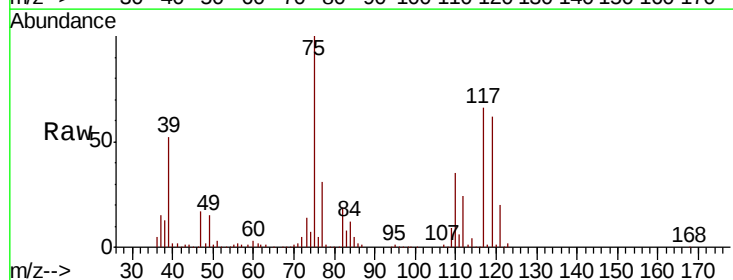
RT: 5.80 min Scan# 855

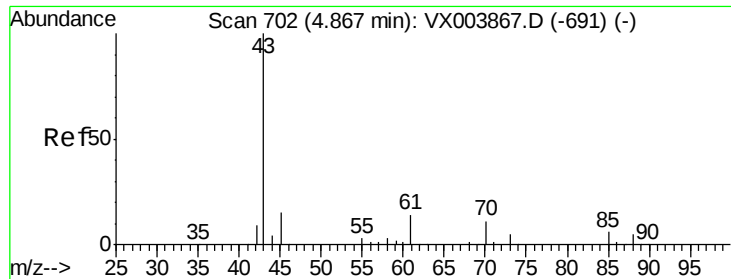
Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Tgt Ion:	75	Resp:	263107
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.2	54.6
77	31.4	25.0	37.4





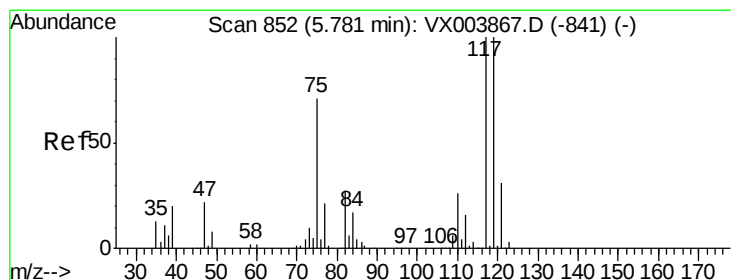
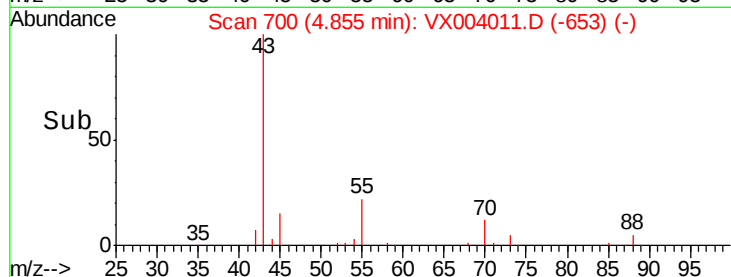
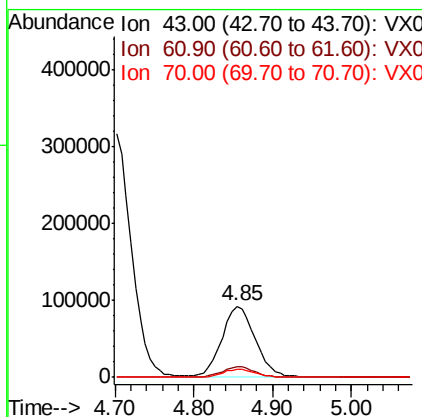
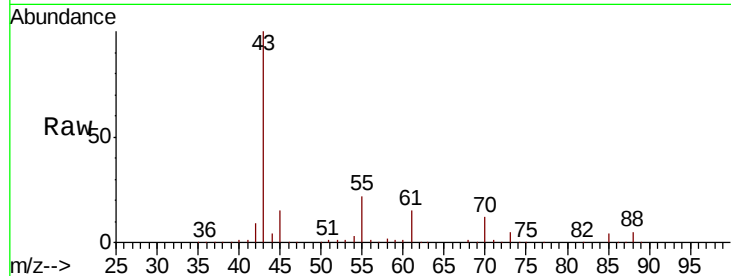
#37
Ethyl Acetate
Concen: 45.13 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

Tot Ion:	43	Resp:	270476
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.7	9.0	13.4

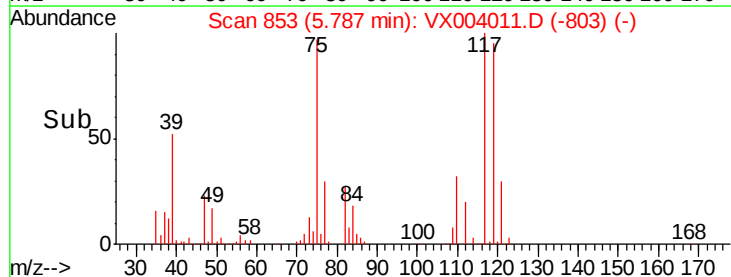
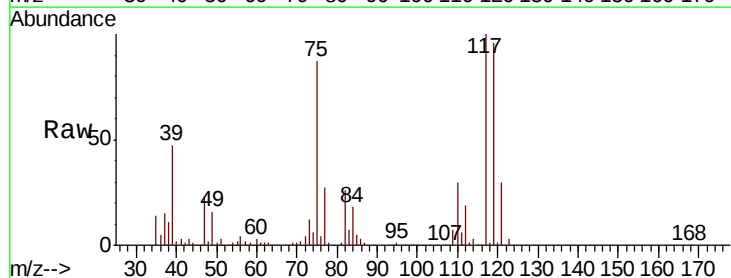
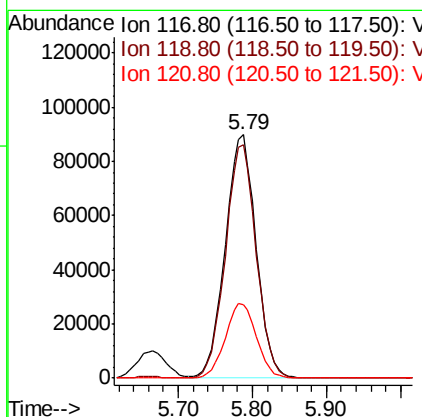
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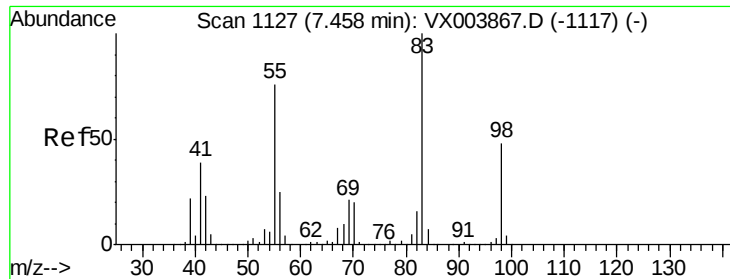
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#38
Carbon Tetrachloride
Concen: 50.03 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion:	117	Resp:	259477
Ion	Ratio	Lower	Upper
117	100		
119	95.6	79.5	119.3
121	30.3	25.0	37.4





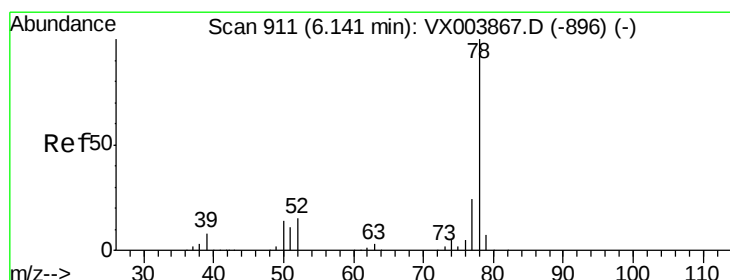
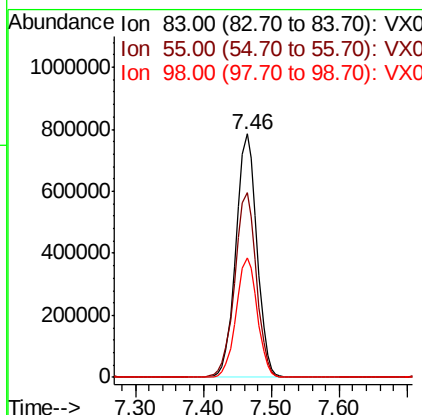
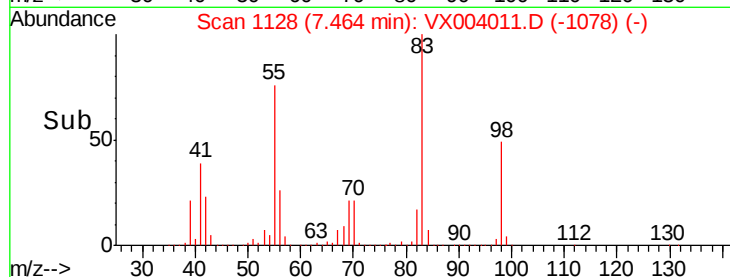
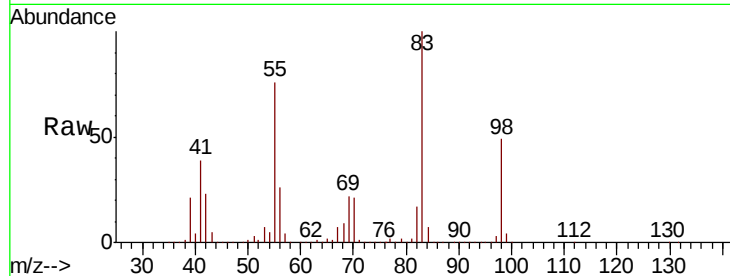
#39
Methvlcvclohexane
Concen: 261.77 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

Tot Ion: 83 Resp: 1681663
Ion Ratio Lower Upper
83 100
55 75.9 61.0 91.6
98 49.2 38.6 57.8

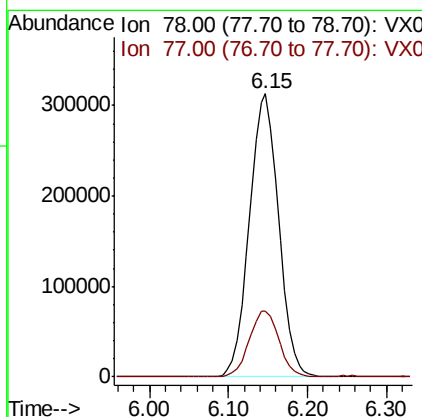
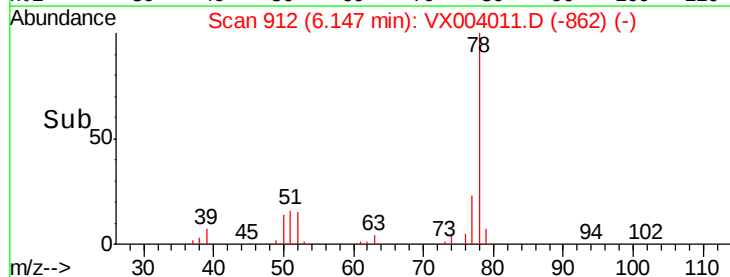
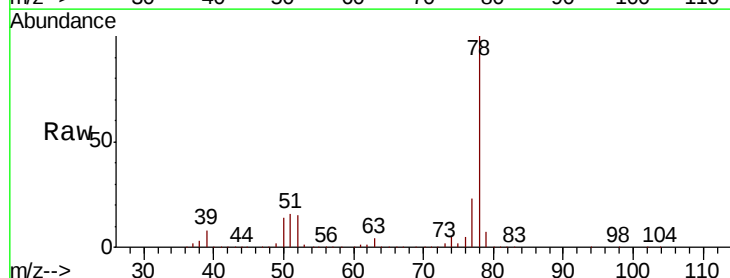
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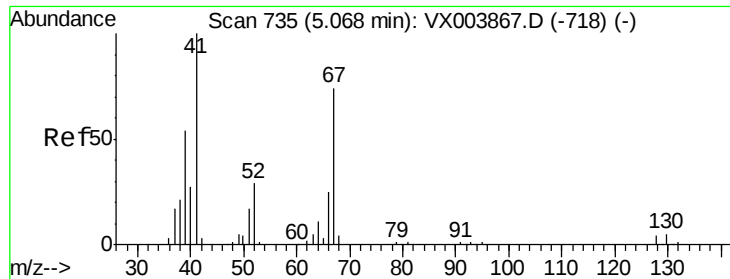
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#40
Benzene
Concen: 49.30 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion: 78 Resp: 806576
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4





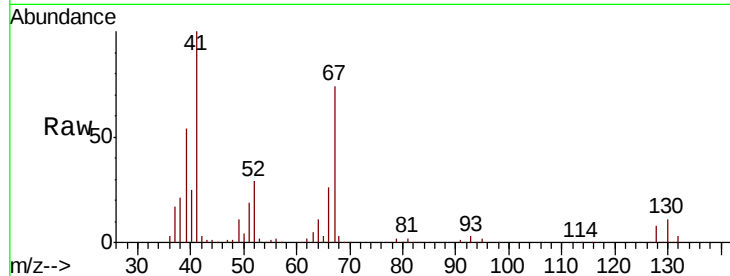
#41
Methacrylonitrile
Concen: 49.93 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

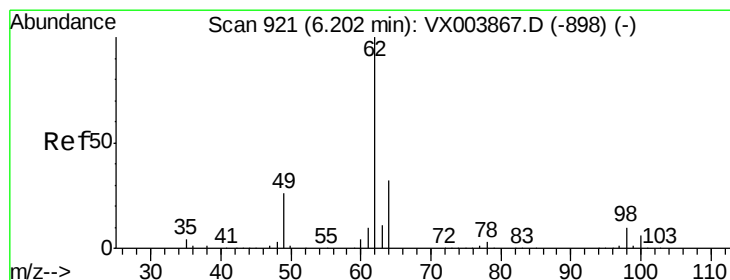
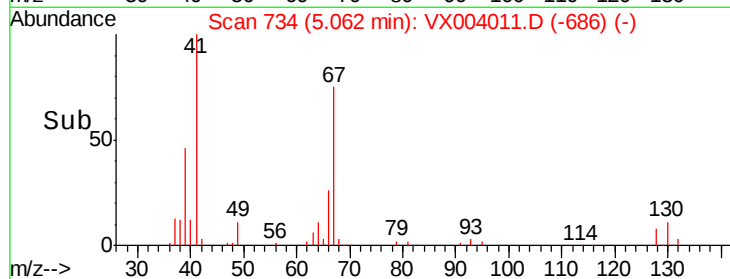
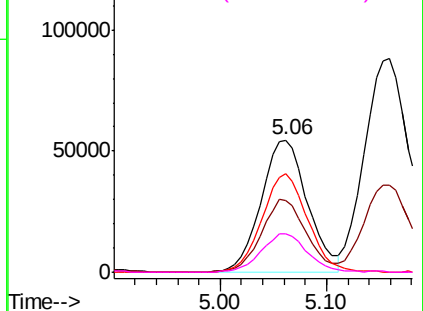
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	42.7	64.1
67	73.2	58.9	88.3
52	28.8	22.6	33.8

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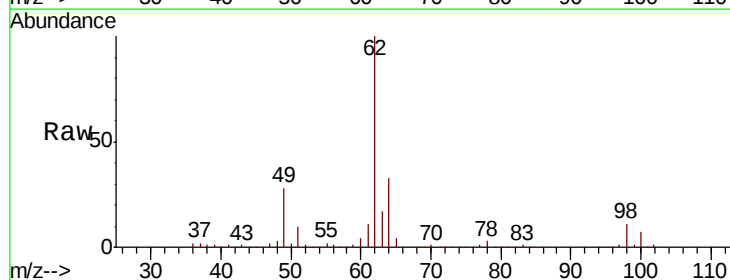


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

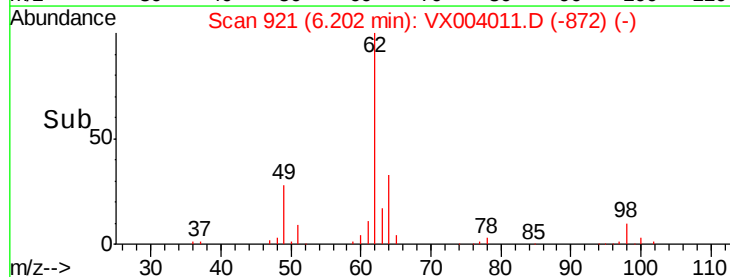
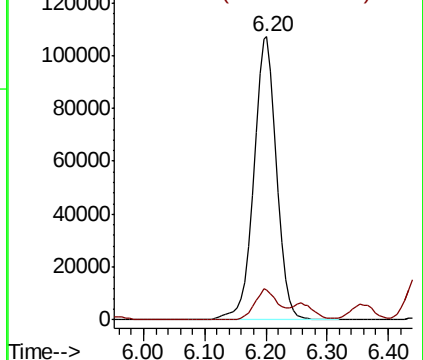


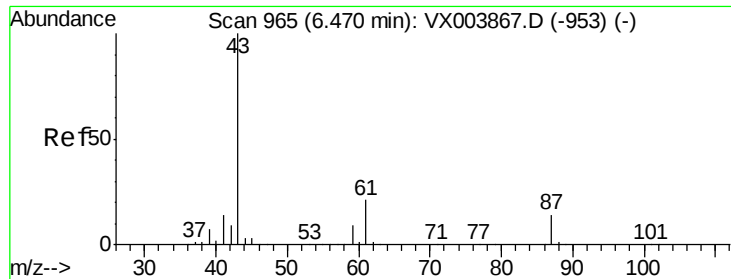
#42
1,2-Dichloroethane
Concen: 50.77 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.54 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

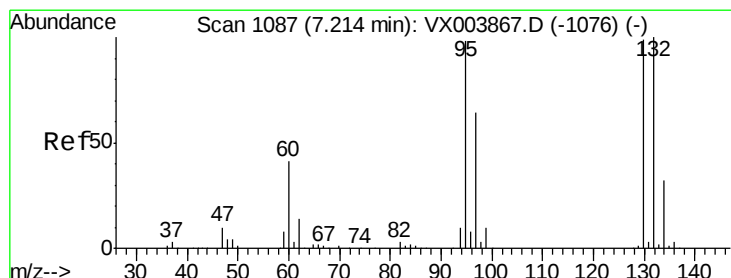
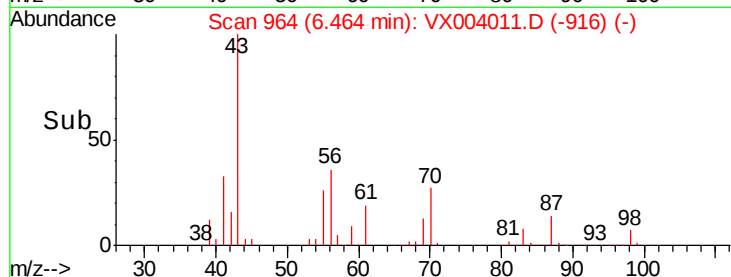
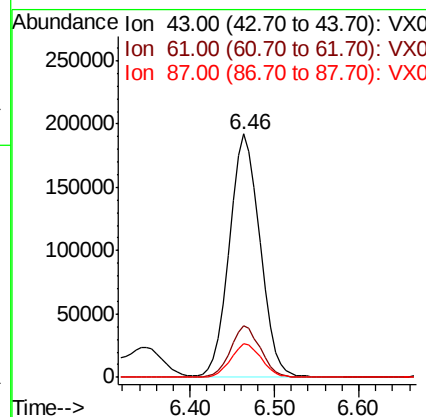
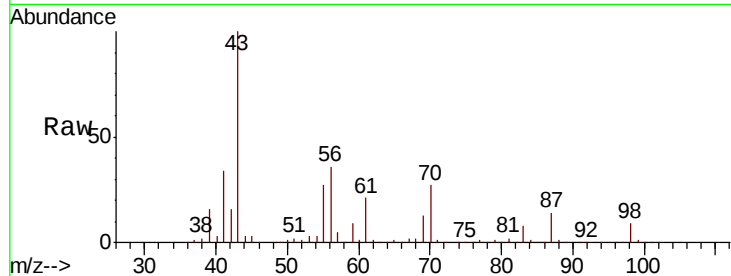
ClientSampleId :

FL-0540MSD

Tot Ion:	43	Resp:	473910
Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.9	25.3
87	13.7	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 49.02 ug/l

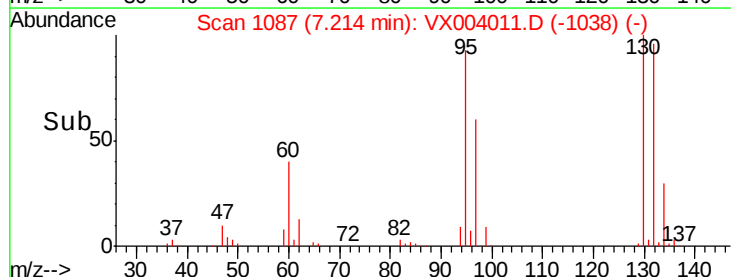
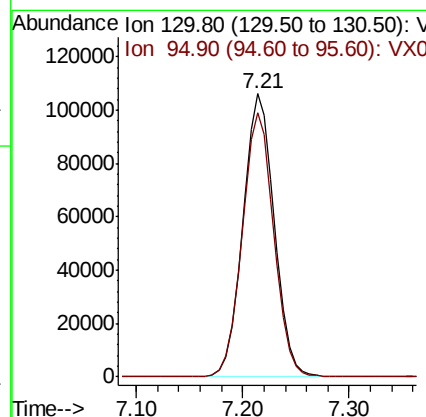
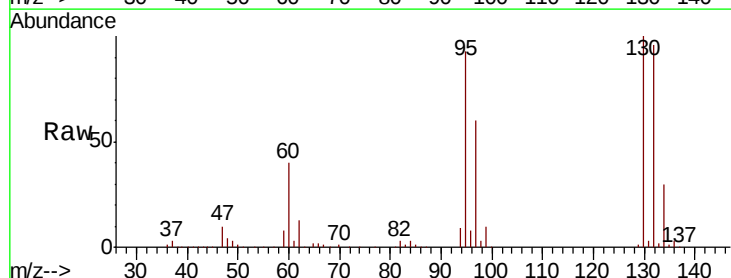
RT: 7.21 min Scan# 1087

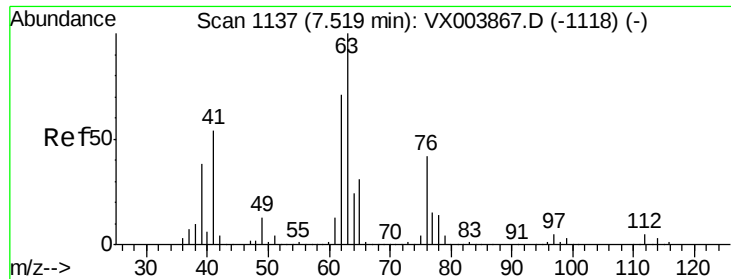
Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Tgt Ion:	130	Resp:	219328
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	199.4





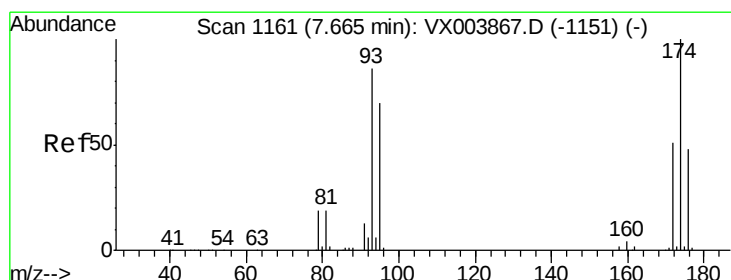
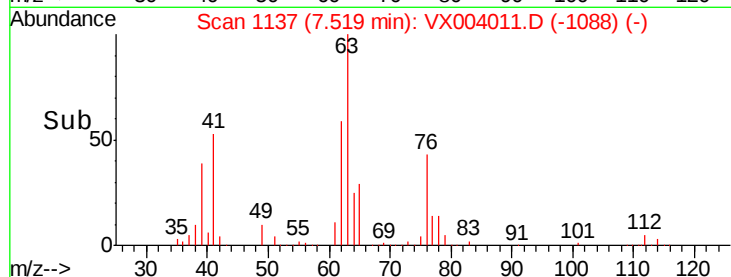
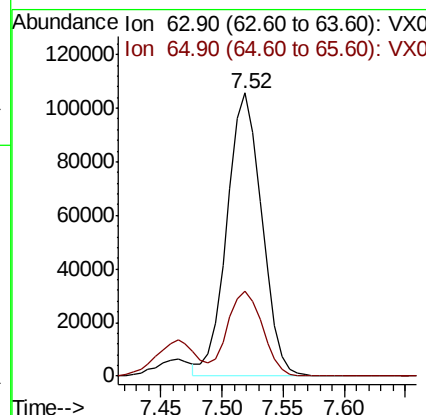
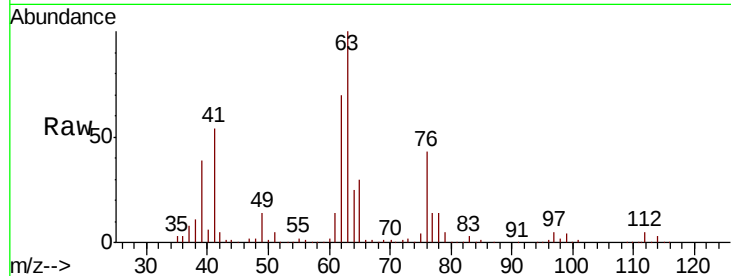
#45
 1,2-Dichloropropane
 Concen: 49.44 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.6	36.8

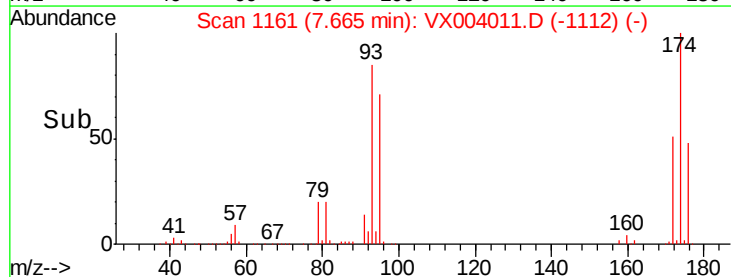
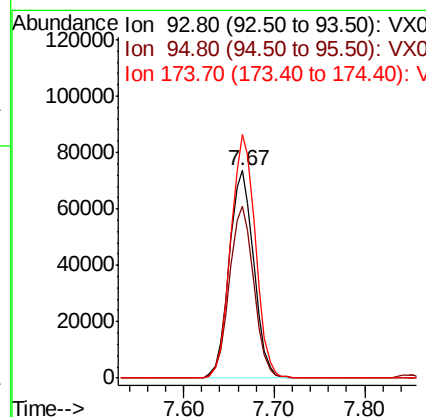
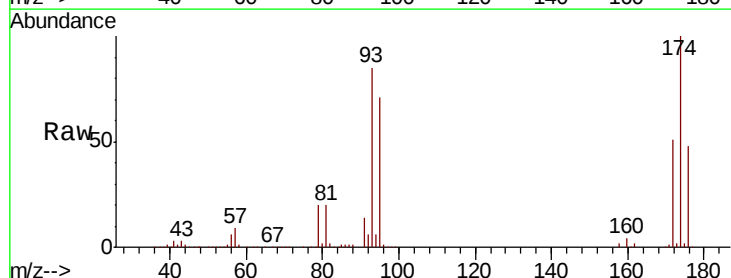
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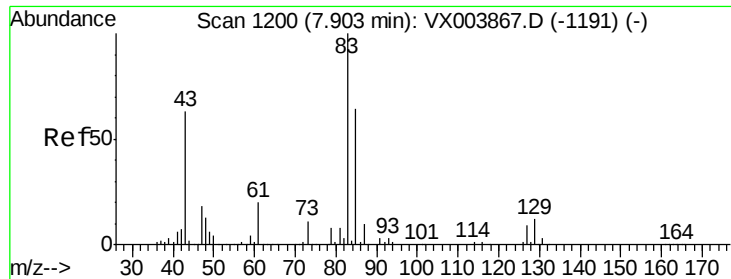
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#46
 Dibromomethane
 Concen: 50.44 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.4	99.6
174	117.6	94.3	141.5





#47

Bromodichloromethane

Concen: 51.62 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

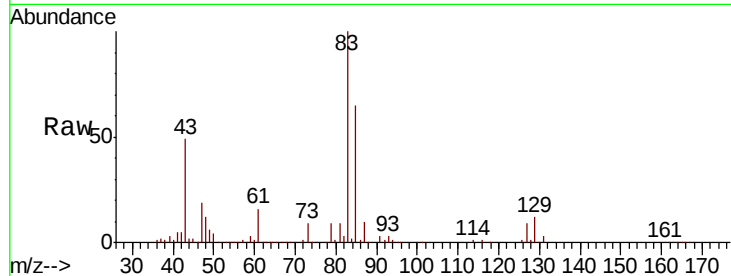
ClientSampleId :

FL-0540MSD

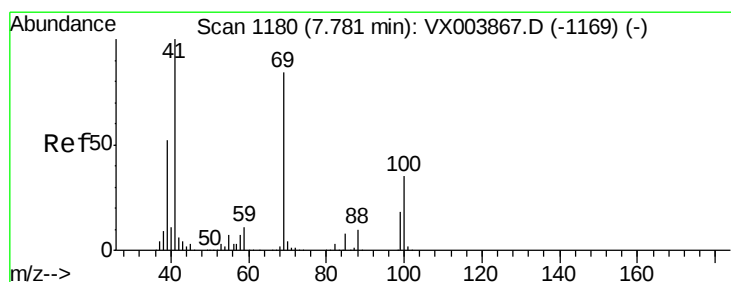
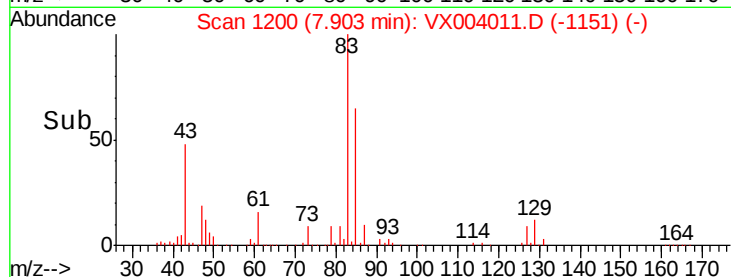
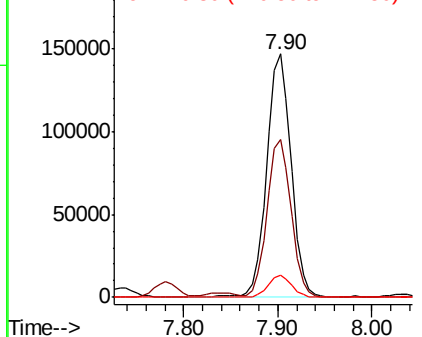
Tot Ion:	83	Resp:	266724
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.2	76.8
127	9.2	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.19 ug/l

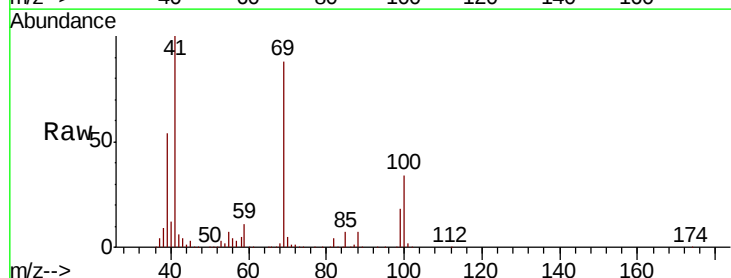
RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

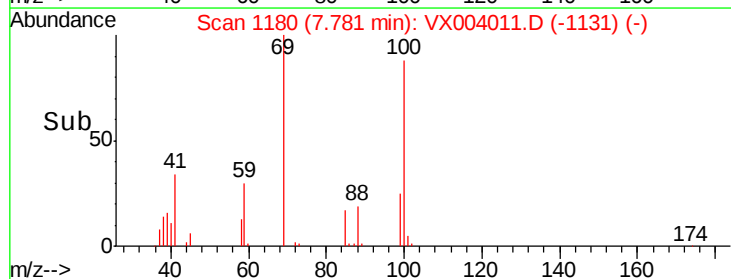
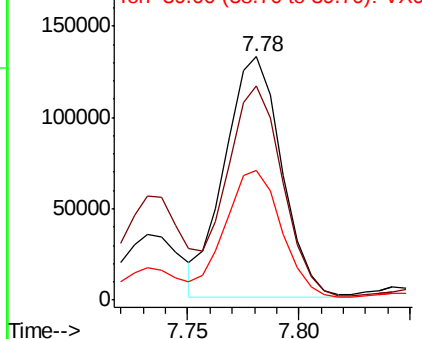
Lab File: VX004011.D

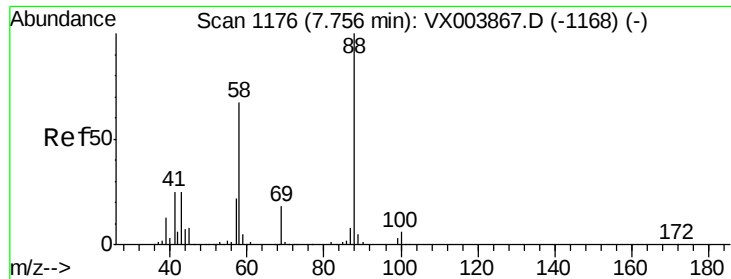
Acq: 13 Aug 2018 20:07

Tgt Ion:	41	Resp:	234702
Ion	Ratio	Lower	Upper
41	100		
69	86.6	68.8	103.2
39	53.8	42.3	63.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





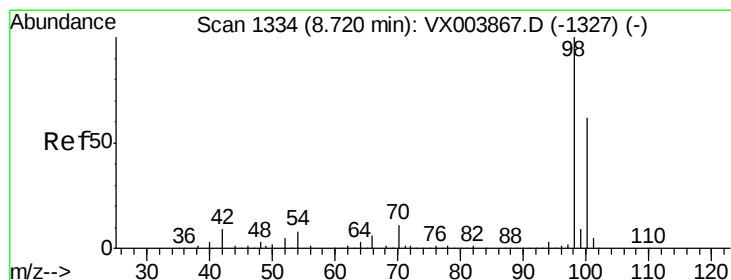
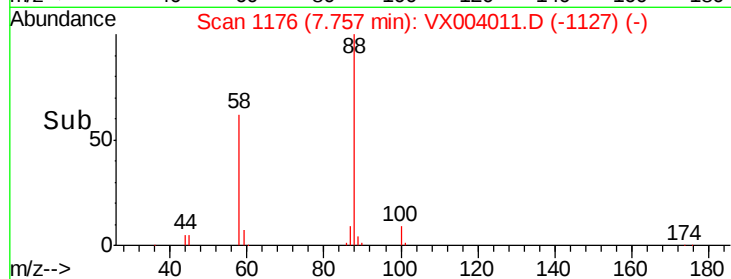
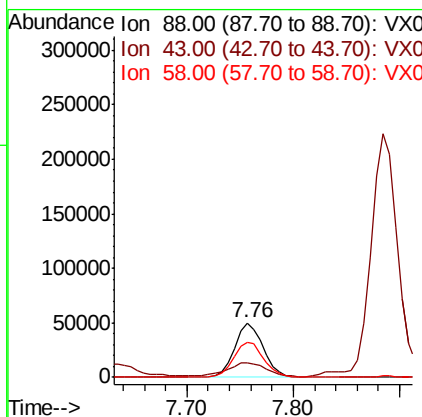
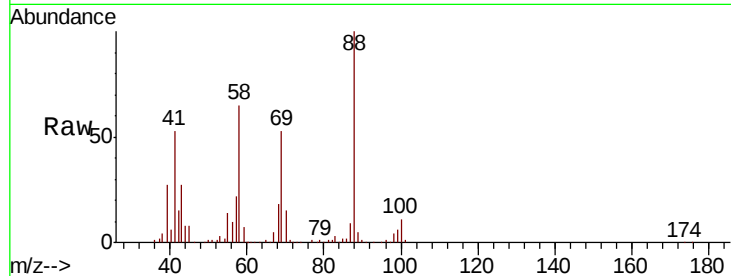
#49
1,4-Dioxane
Concen: 866.95 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	23.8	35.8
58	67.8	55.4	83.0

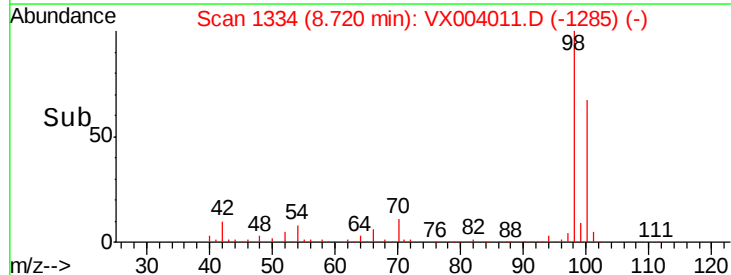
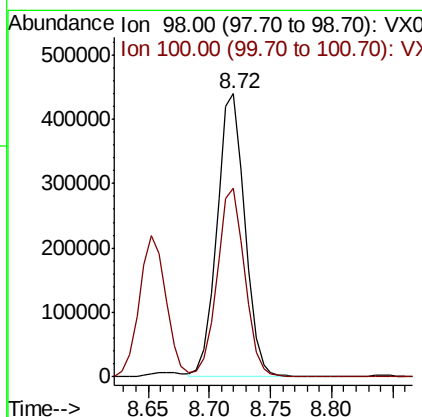
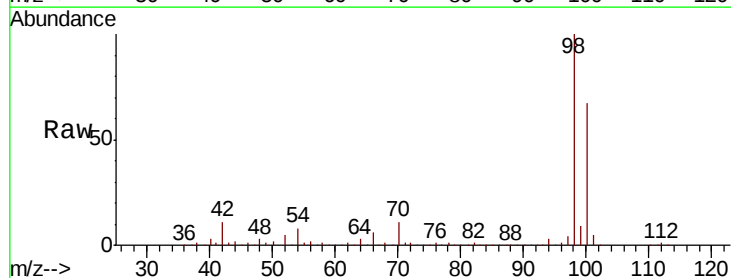
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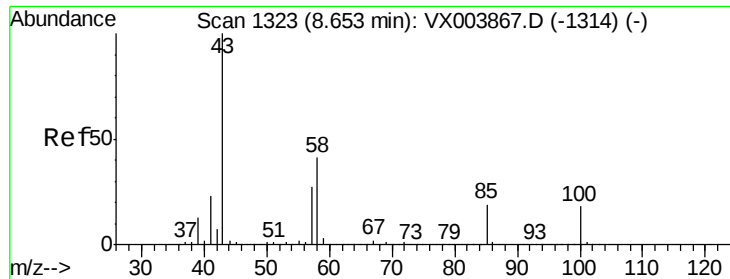
MMDadoda
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#50
Toluene-d8
Concen: 48.49 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9





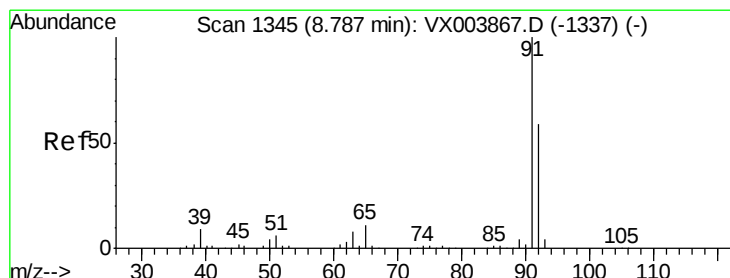
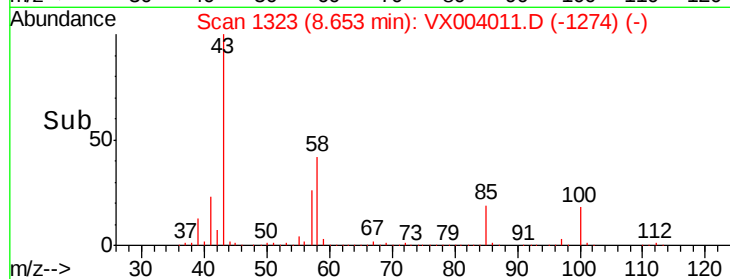
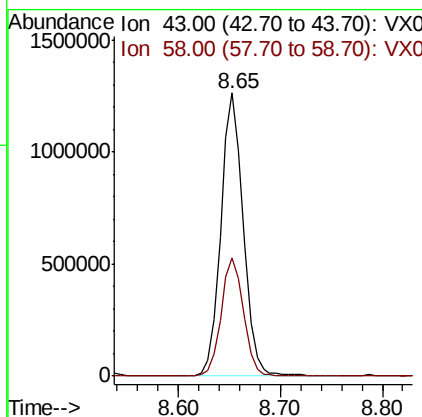
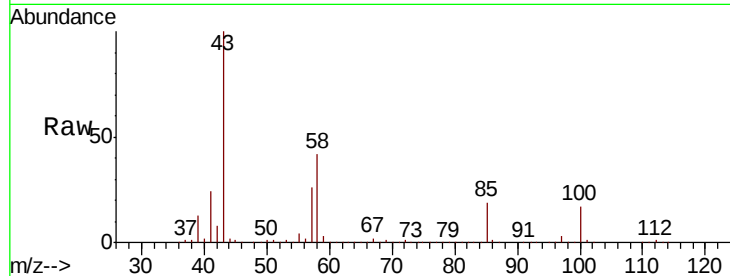
#51
4-Methyl-2-Pentanone
Concen: 257.92 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampled :
FL-0540MSD

Tot Ion: 43 Resp: 1928260
Ion Ratio Lower Upper
43 100
58 41.6 33.0 49.6

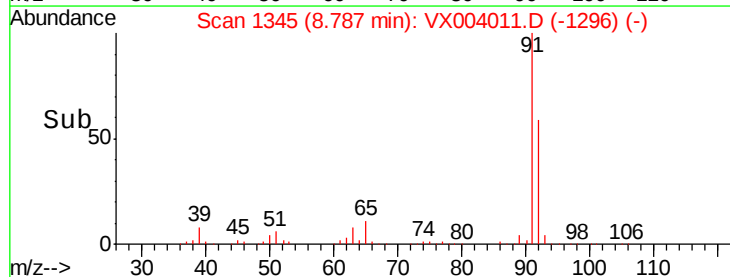
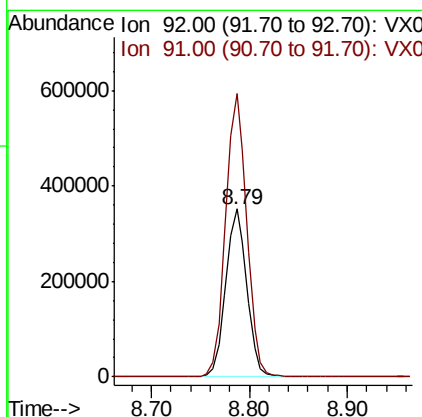
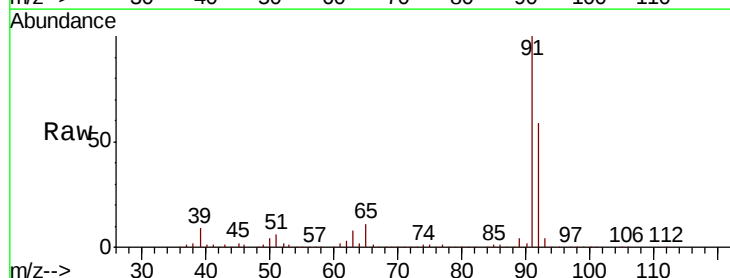
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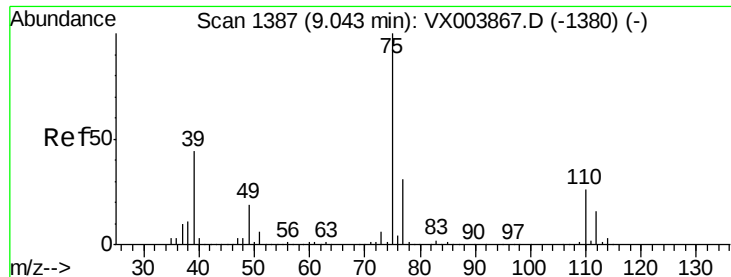
MMDadoda
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#52
Toluene
Concen: 50.77 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion: 92 Resp: 524918
Ion Ratio Lower Upper
92 100
91 169.8 136.1 204.1





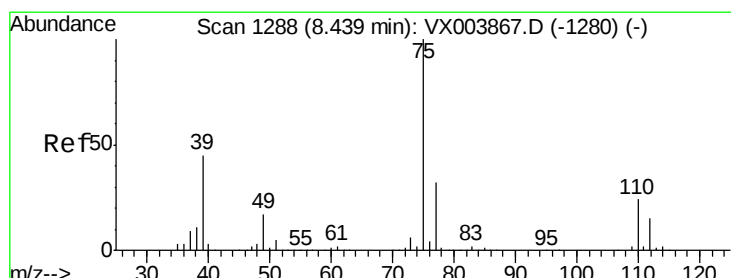
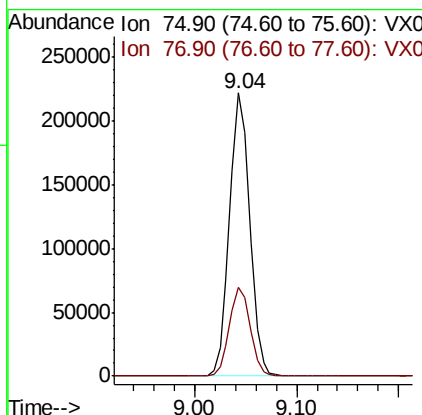
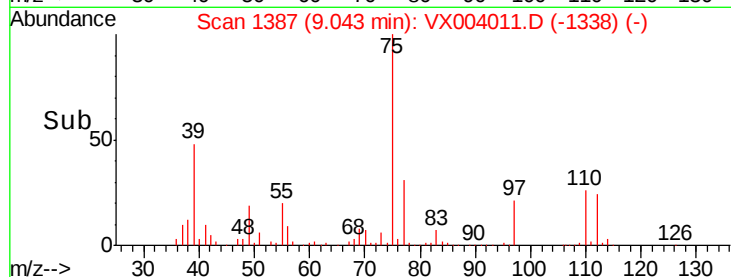
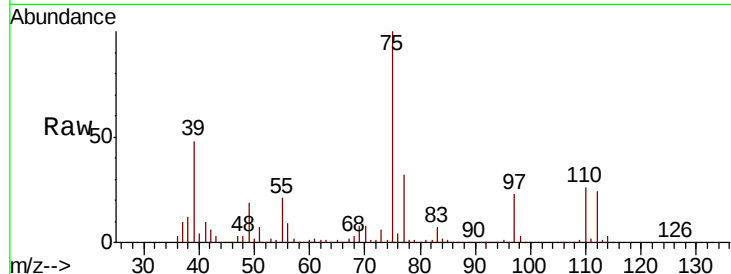
#53
 t-1,3-Dichloropropene
 Concen: 52.29 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7

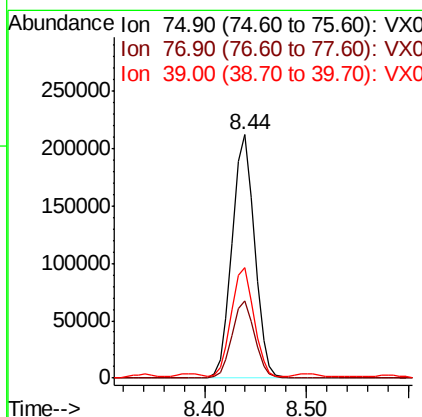
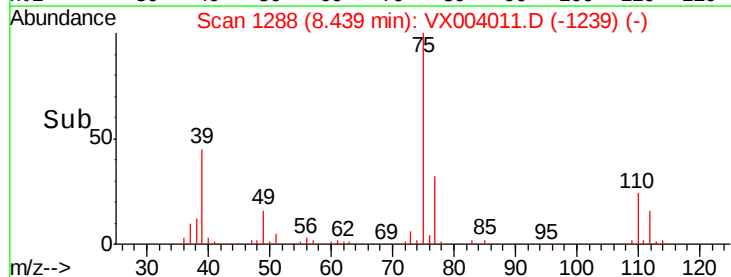
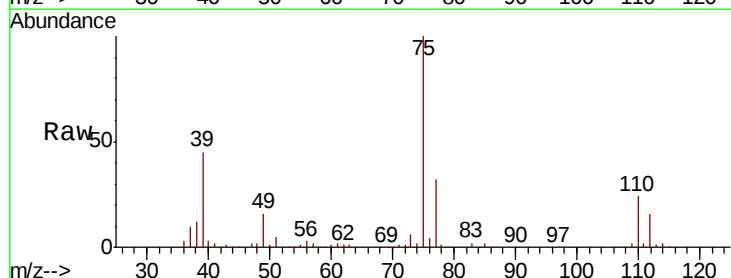
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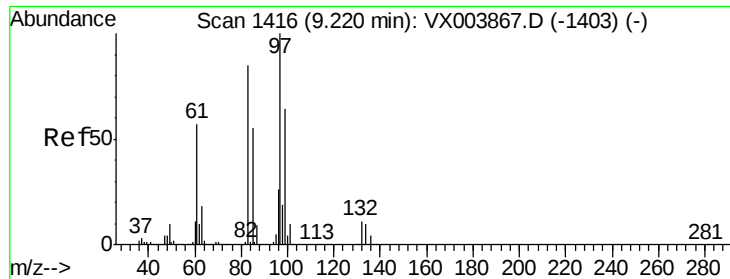
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#54
 cis-1,3-Dichloropropene
 Concen: 51.18 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9
39	44.7	36.2	54.2





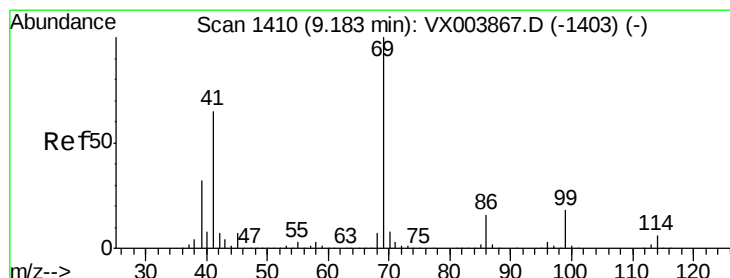
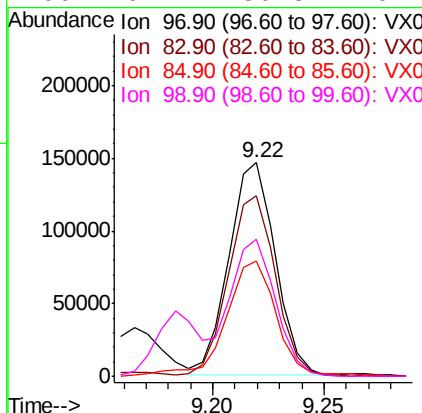
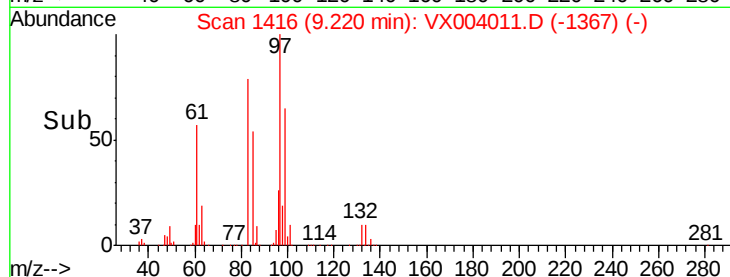
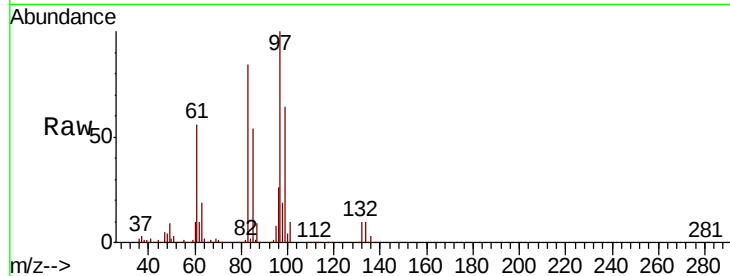
#55
 1,1,2-Trichloroethane
 Concen: 50.06 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MSD

Tot Ion:	97	Resp:	211470
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.8	101.6
85	53.2	44.2	66.2
99	64.4	50.8	76.2

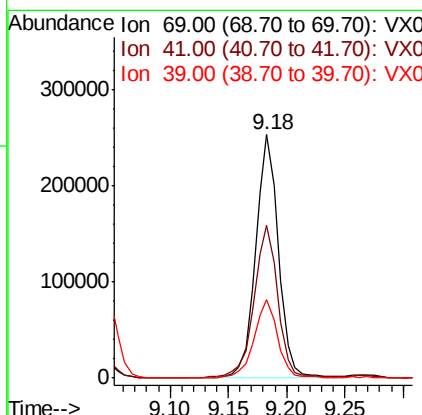
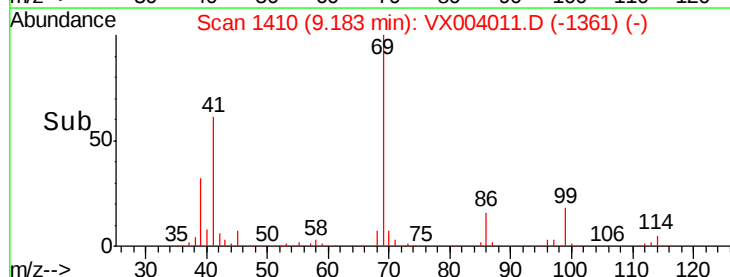
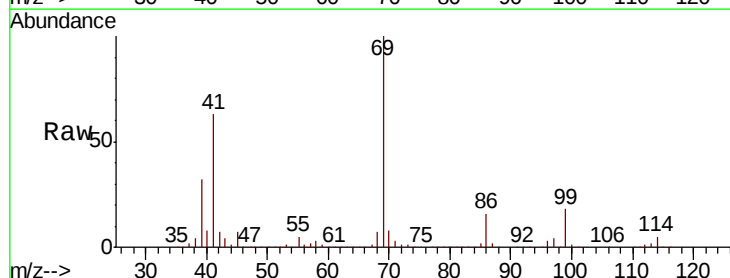
Manual Integrations
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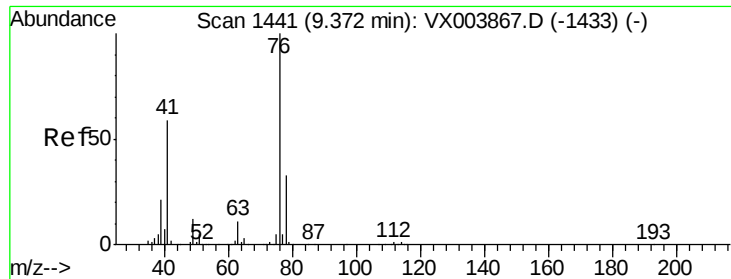
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#56
 Ethyl methacrylate
 Concen: 56.46 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Tgt Ion:	69	Resp:	346055
Ion	Ratio	Lower	Upper
69	100		
41	65.5	50.6	76.0
39	33.5	25.8	38.6





#57

1,3-Dichloropropane

Concen: 51.57 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

ClientSampled :

FL-0540MSD

Tot Ion: 76 Resp: 364602

Ion Ratio Lower Upper

76 100

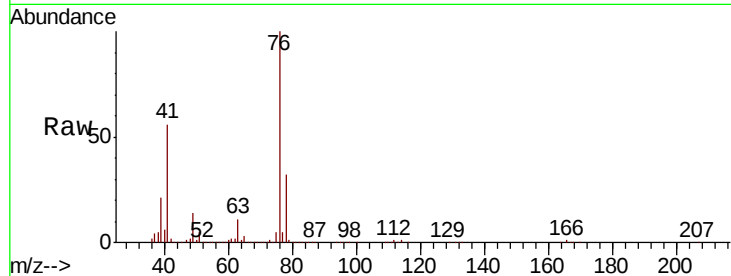
78 32.0 25.9 38.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

300000

250000

200000

150000

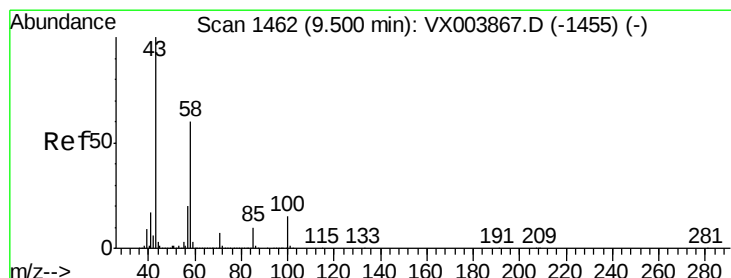
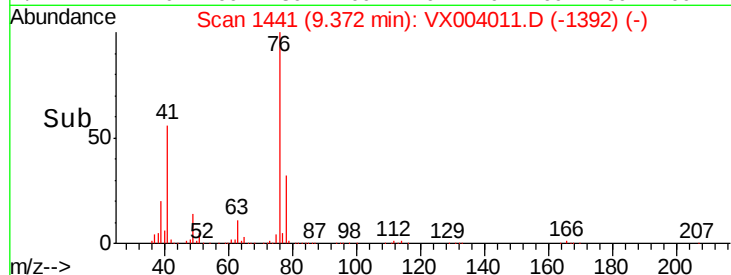
100000

50000

0

9.30 9.40 9.50

Time-->



#59

2-Hexanone

Concen: 258.91 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX004011.D

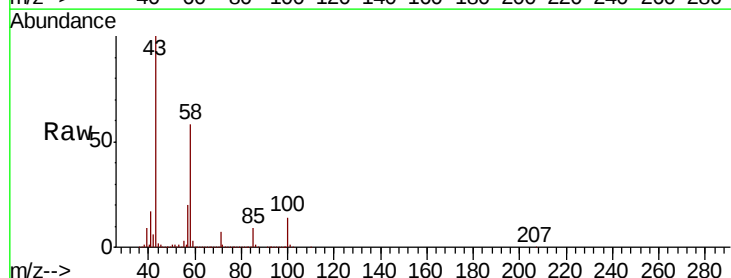
Acq: 13 Aug 2018 20:07

Tgt Ion: 43 Resp: 1446905

Ion Ratio Lower Upper

43 100

58 58.2 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200000

1000000

800000

600000

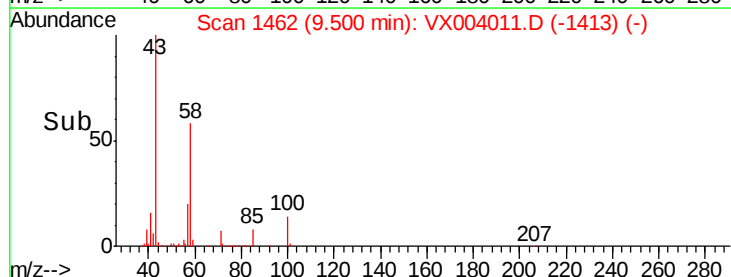
400000

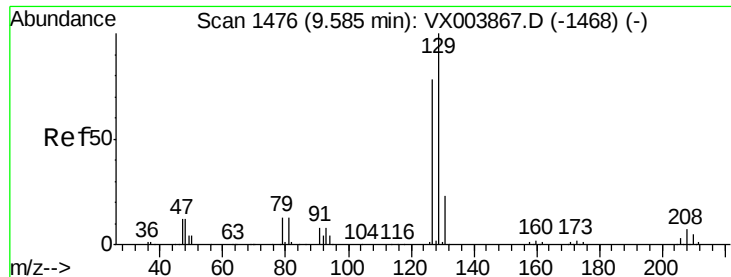
200000

0

9.40 9.45 9.50 9.55 9.60

Time-->





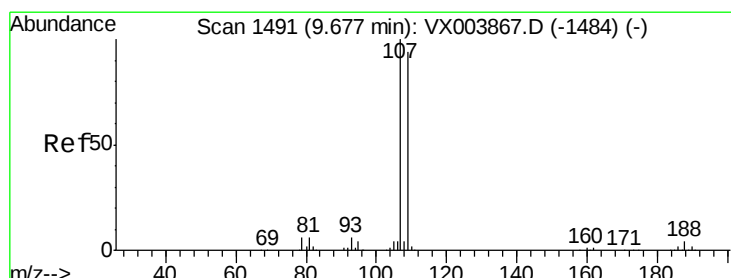
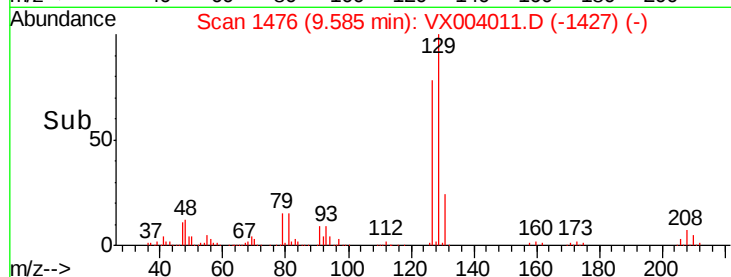
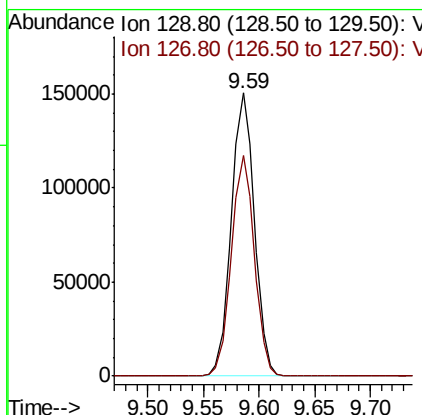
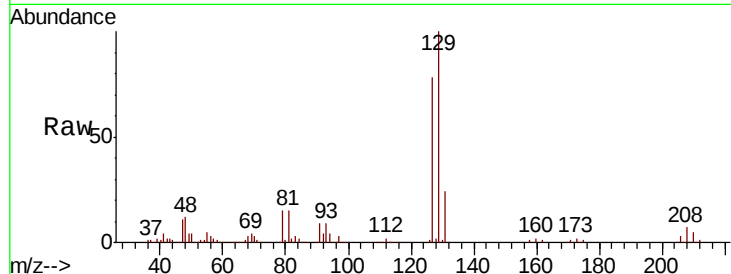
#60
Dibromochloromethane
Concen: 54.84 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.8	116.3

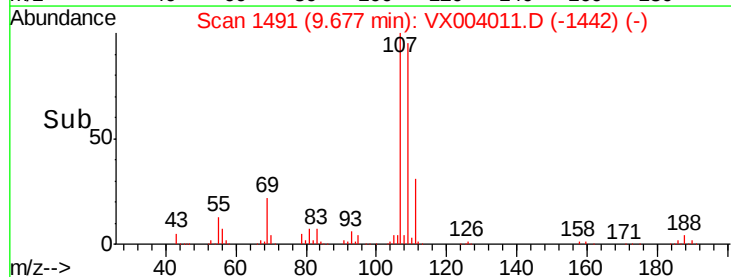
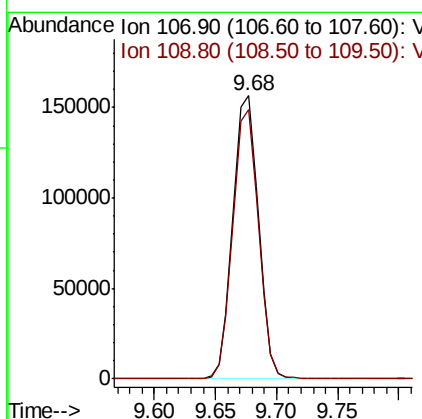
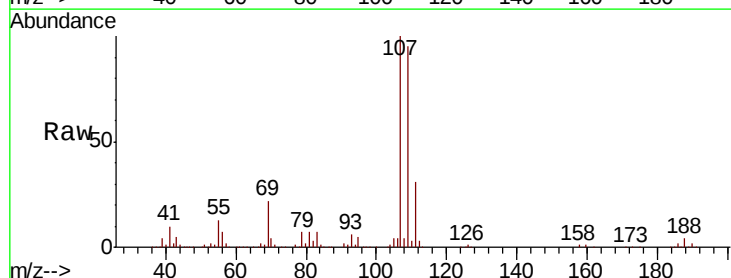
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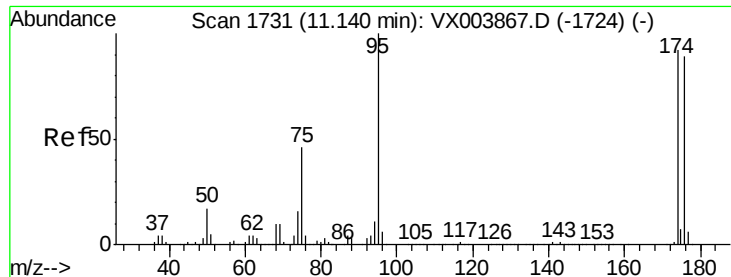
MMDadoda
8/14/2018 12:56:18 PM



#61
1,2-Dibromoethane
Concen: 53.49 ug/l
RT: 9.68 min Scan# 1491
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.8	113.8





#62

4-Bromofluorobenzene

Concen: 56.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

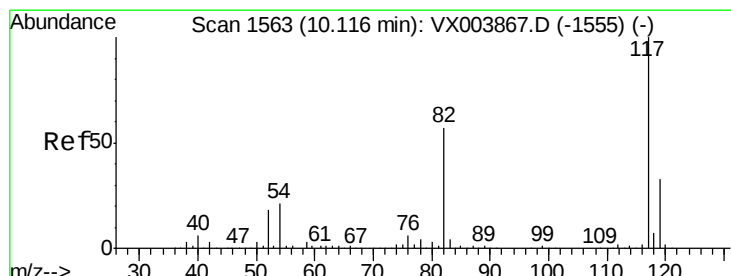
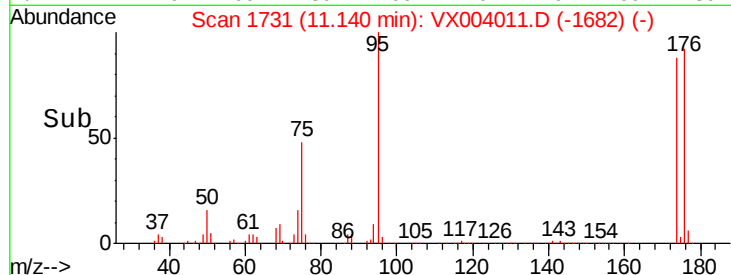
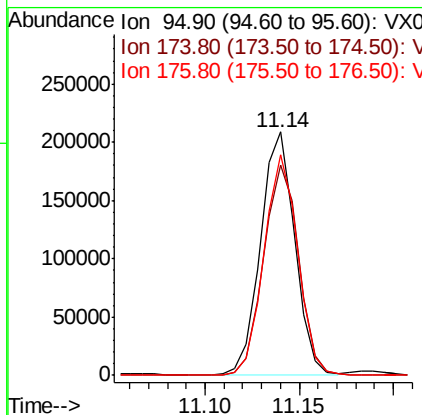
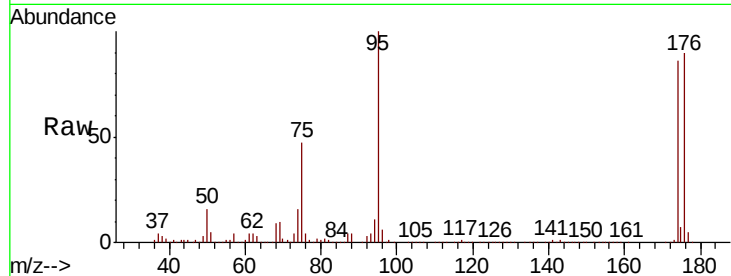
ClientSampled :

FL-0540MSD

Tot Ion:	95	Resp:	263889
Ion Ratio	Lower	Upper	
95	100		
174	88.4	0.0	182.8
176	89.0	0.0	179.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

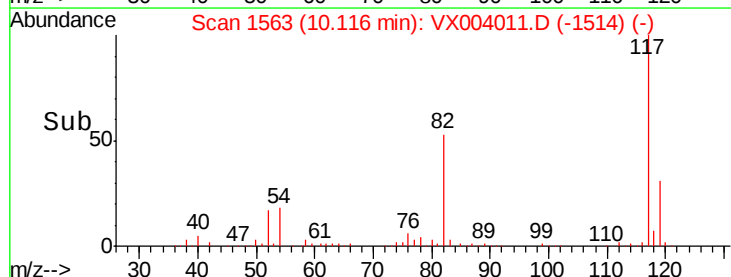
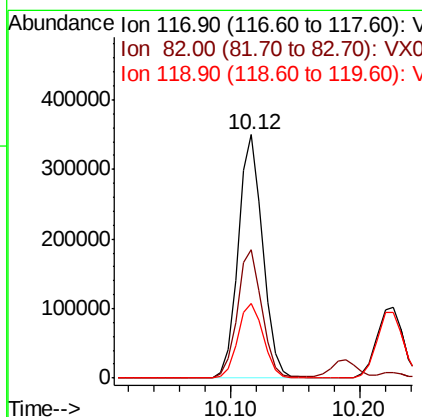
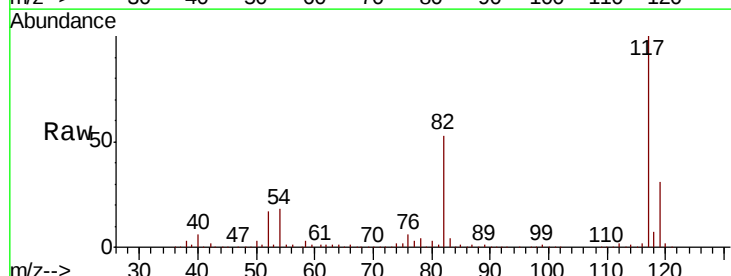
RT: 10.12 min Scan# 1563

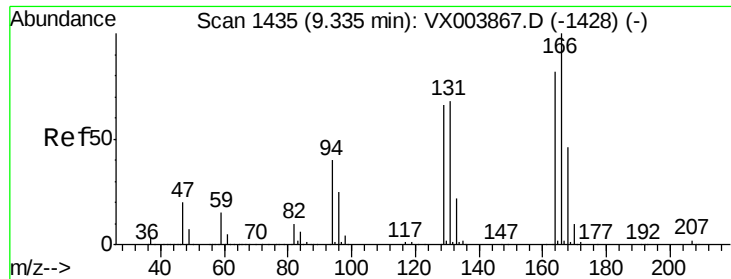
Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Tgt Ion:	117	Resp:	459412
Ion Ratio	Lower	Upper	
117	100		
82	52.6	45.4	68.0
119	30.9	26.6	40.0





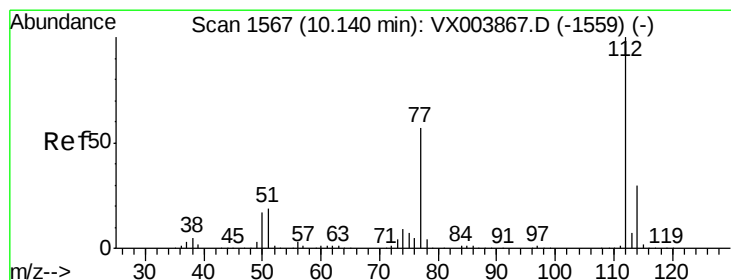
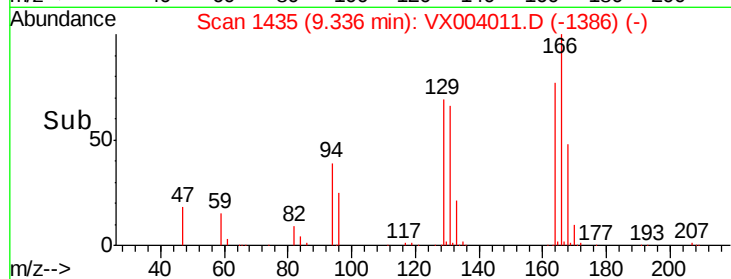
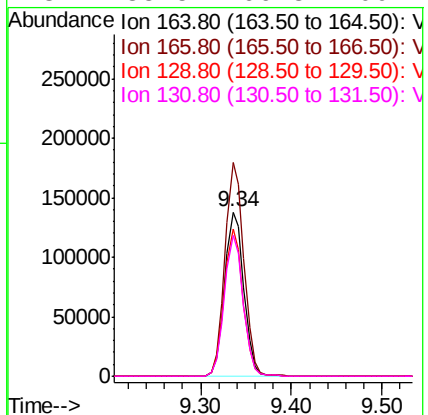
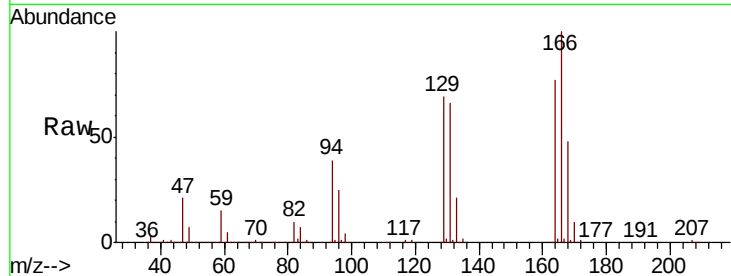
#64
Tetrachloroethene
Concen: 44.93 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

Tot Ion	164	166	129	131
Ratio	100	130.2	89.5	85.5
Lower		98.0	64.3	66.8
Upper		147.0	96.5	100.2

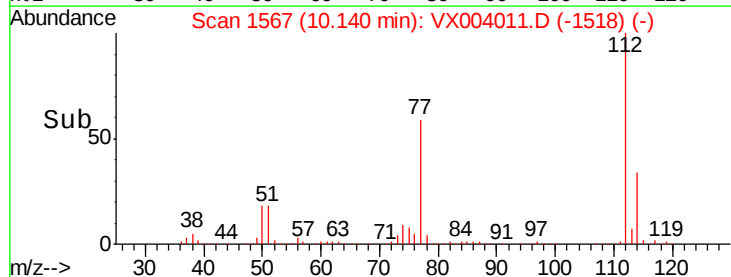
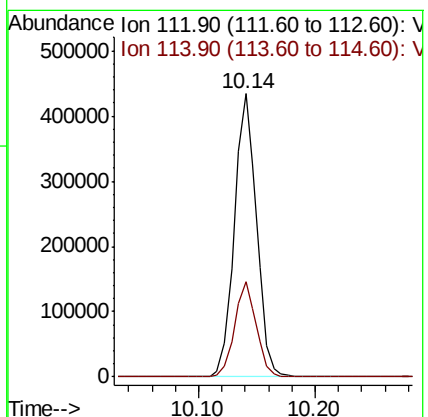
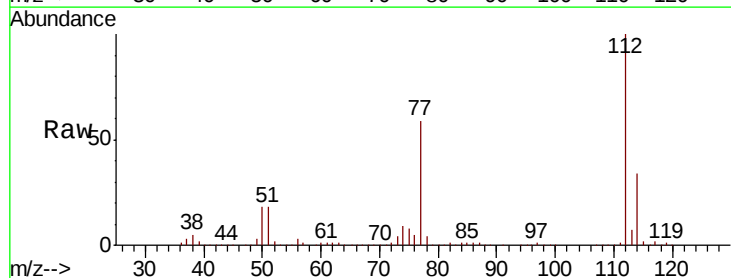
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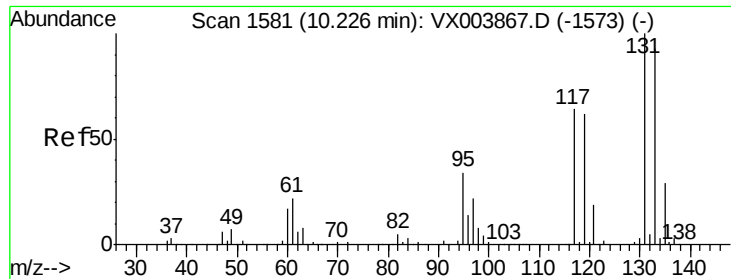
MMDadoda
8/14/2018 12:56:18 PM



#65
Chlorobenzene
Concen: 48.17 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion	112	114
Ratio	100	33.8
Lower		23.6
Upper		35.4





#66

1,1,1,2-Tetrachloroethane

Concen: 51.60 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

ClientSampled :

FL-0540MSD

Tot Ion:131 Resp: 212057
Ion Ratio Lower Upper

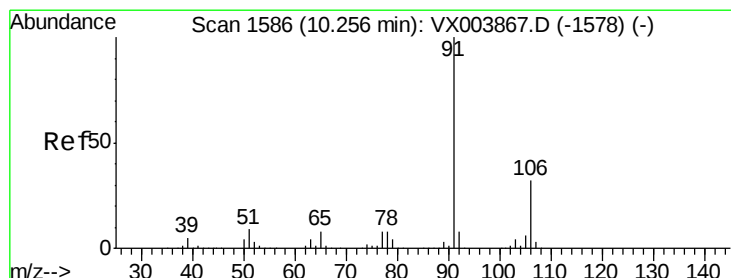
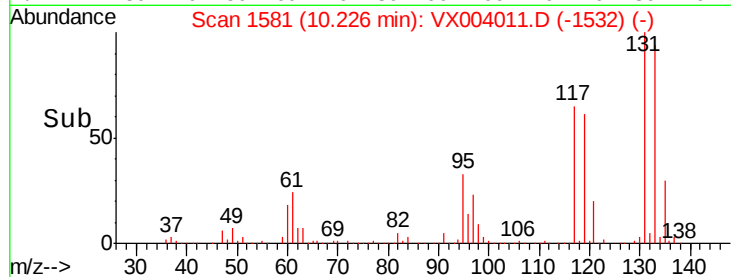
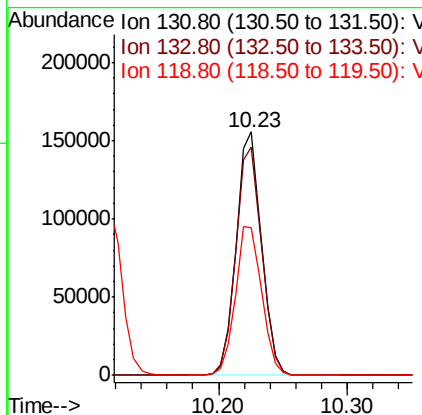
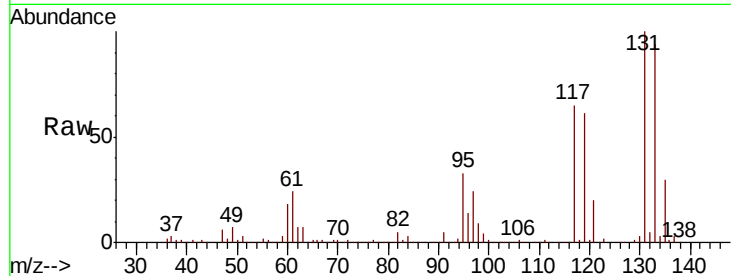
131 100

133 96.1 47.3 141.8

119 63.8 31.6 94.8

Manual Integrations
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#67

Ethyl Benzene

Concen: 133.31 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

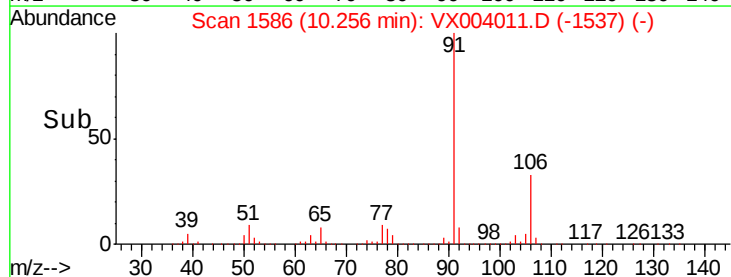
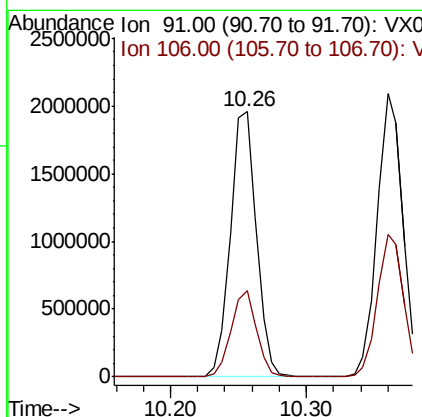
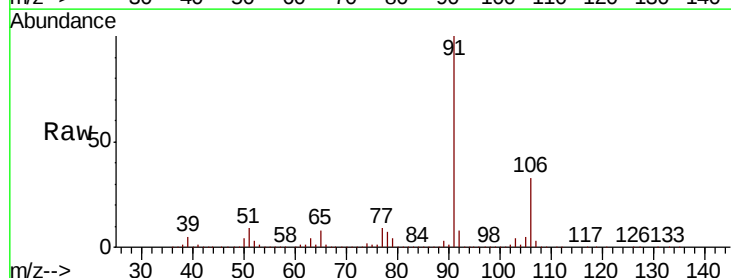
Lab File: VX004011.D

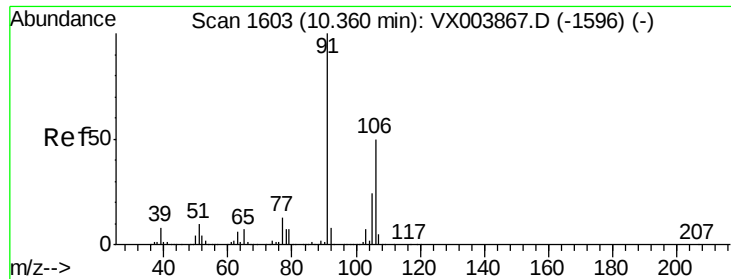
Acq: 13 Aug 2018 20:07

Tgt Ion: 91 Resp: 2608728
Ion Ratio Lower Upper

91 100

106 32.7 25.9 38.9





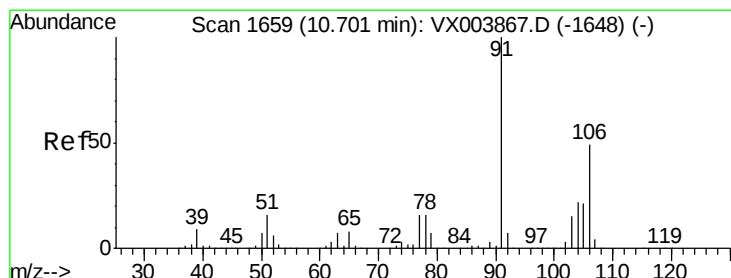
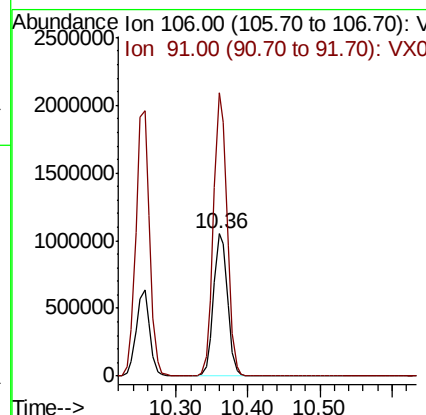
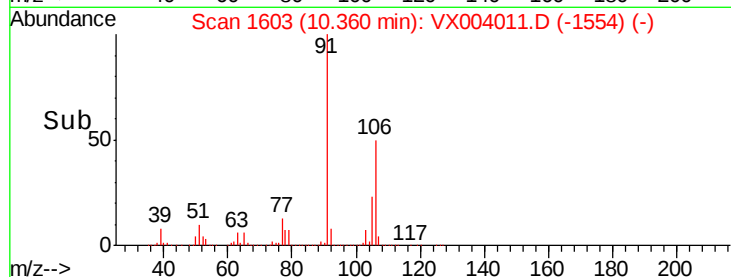
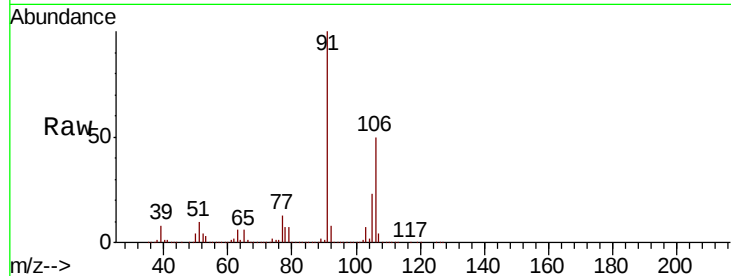
#68
m/p-Xvlenes
Concen: 183.54 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

Tot Ion:106 Resp: 1403358
Ion Ratio Lower Upper
106 100
91 195.4 162.3 243.5

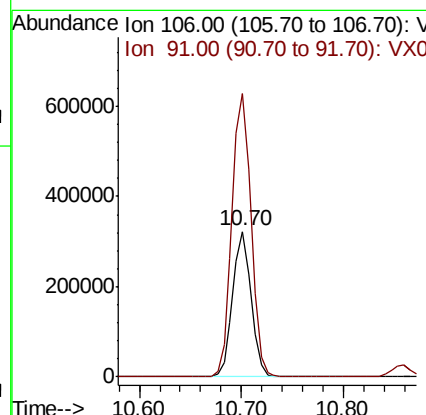
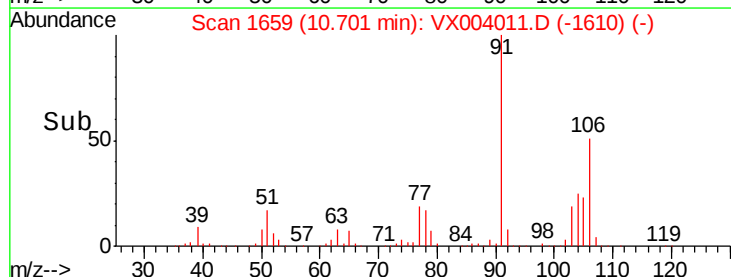
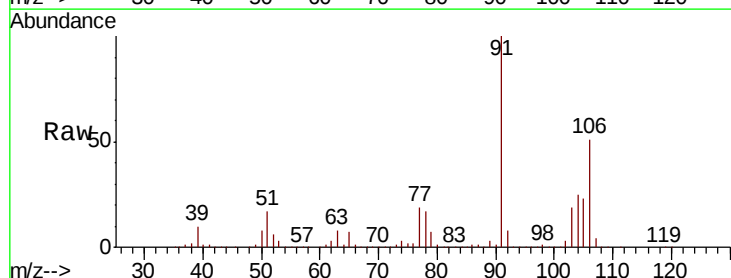
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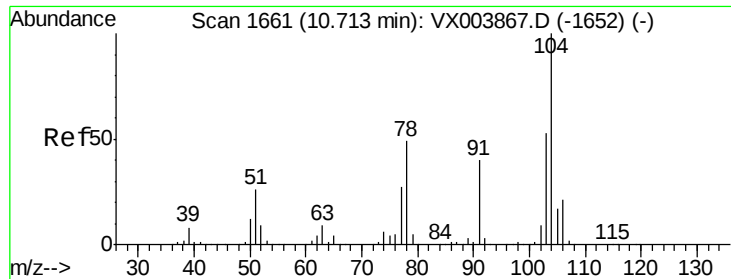
MMDadoda
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#69
o-Xylene
Concen: 55.50 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion:106 Resp: 400606
Ion Ratio Lower Upper
106 100
91 203.1 101.9 305.7





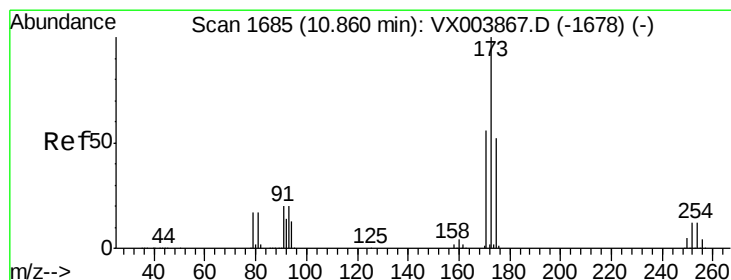
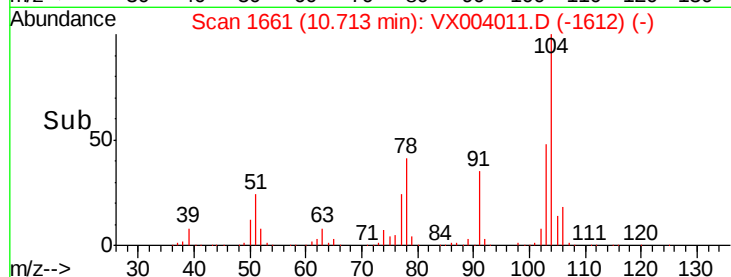
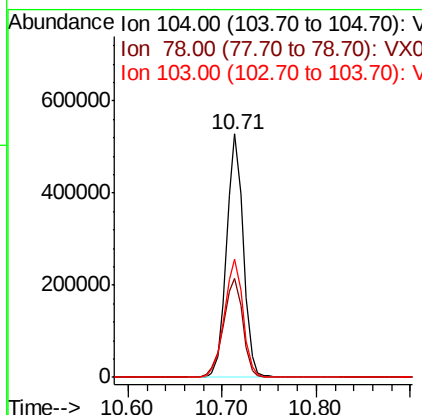
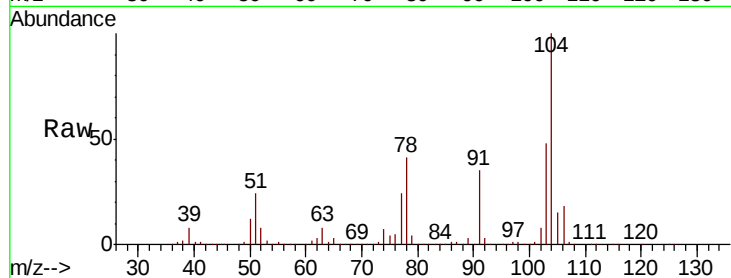
#70
Stvrene
Concen: 55.17 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.0	39.8	59.6
103	54.1	44.3	66.5

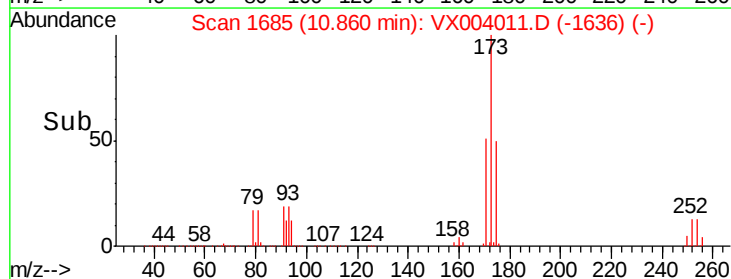
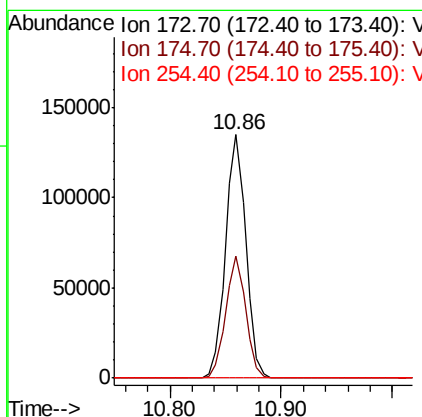
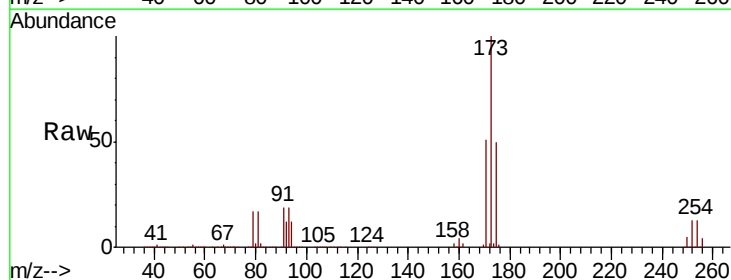
Manual Integrations
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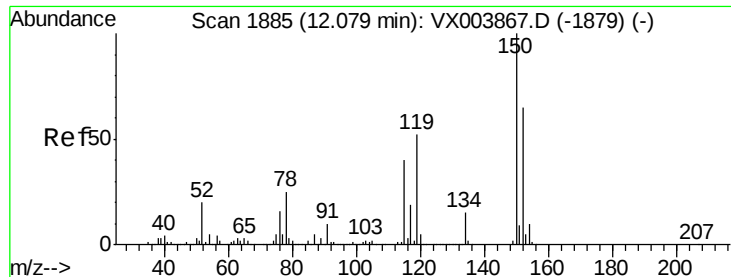
MMDadoda
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#71
Bromoform
Concen: 55.54 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.7
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

ClientSampled :

FL-0540MSD

Tot Ion:152 Resp: 278996

Ion Ratio Lower Upper

152 100

115 84.1 39.1 117.3

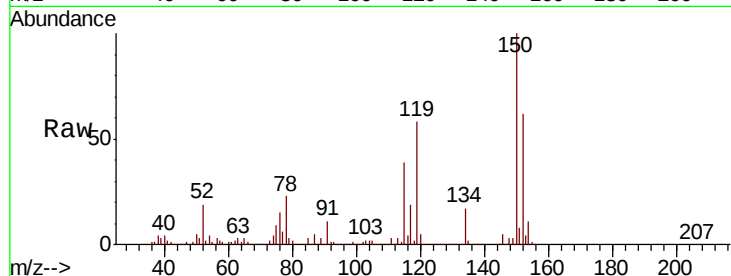
150 179.8 0.0 349.2

Manual Integrations

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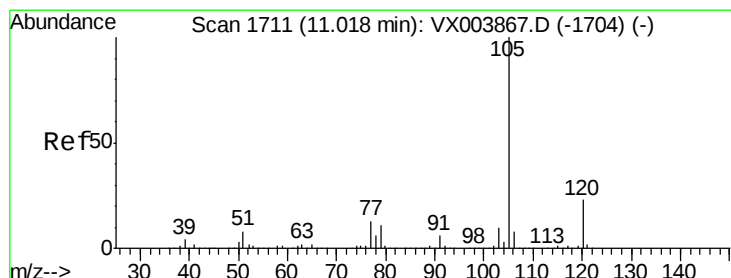
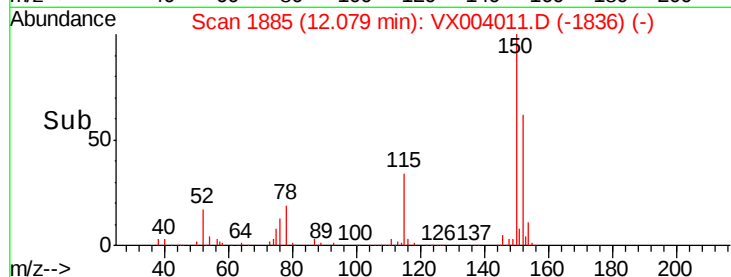
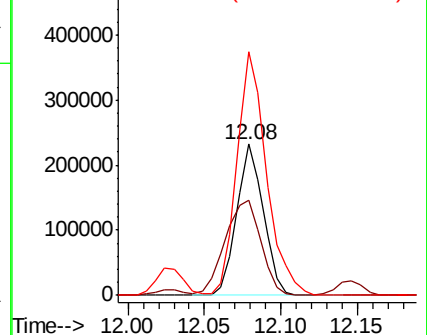
8/14/2018 12:56:18 PM



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: 82.69 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004011.D

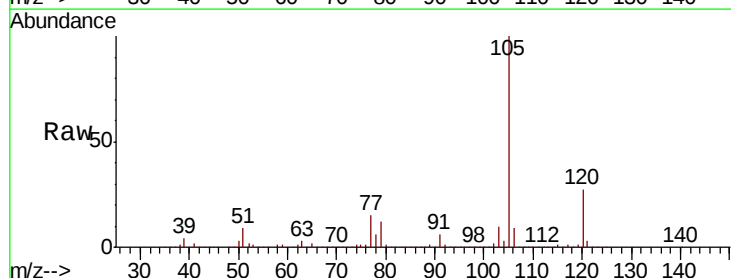
Acq: 13 Aug 2018 20:07

Tgt Ion:105 Resp: 1706659

Ion Ratio Lower Upper

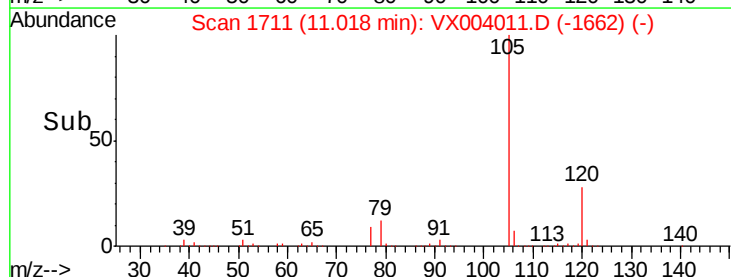
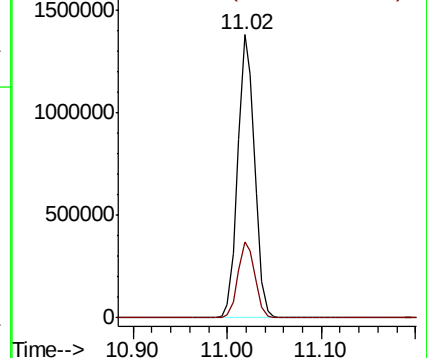
105 100

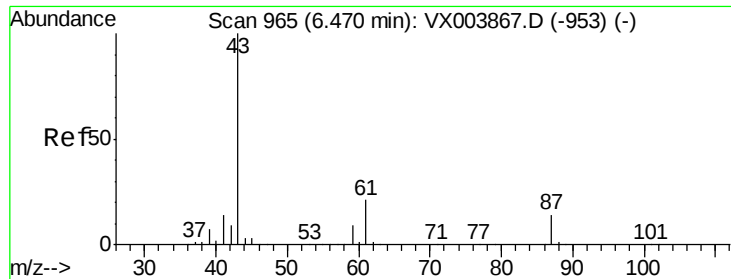
120 27.1 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 44.15 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

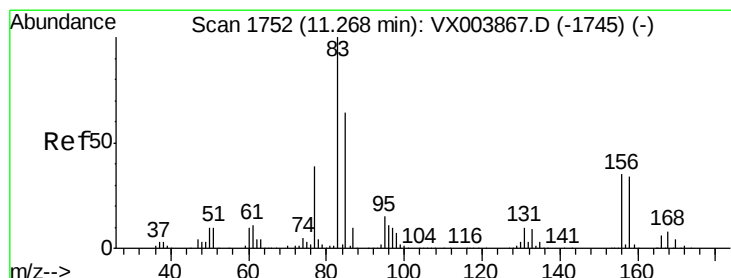
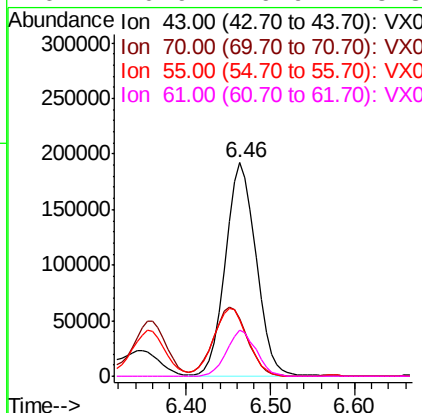
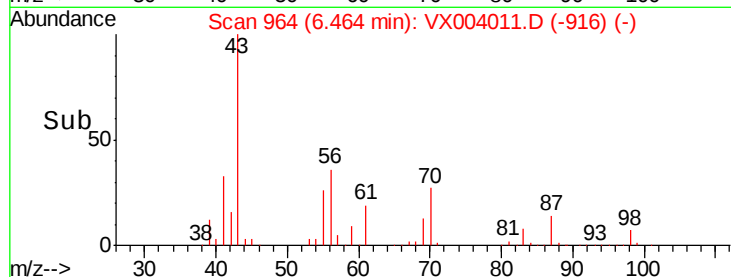
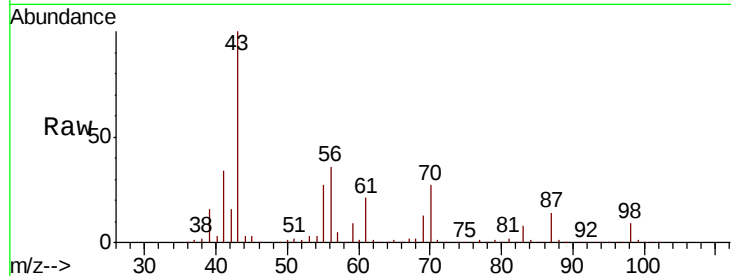
ClientSampleId :

FL-0540MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	35.9	0.0	0.0#
55	35.8	0.1	0.1#
61	20.9	16.9	25.3

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.70 ug/l

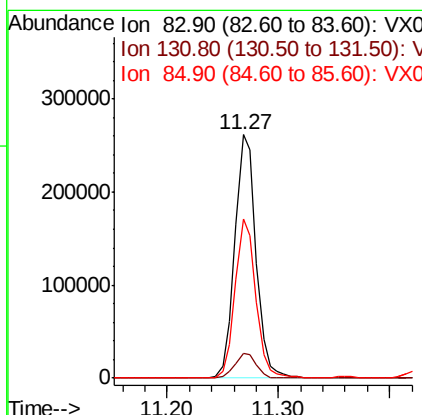
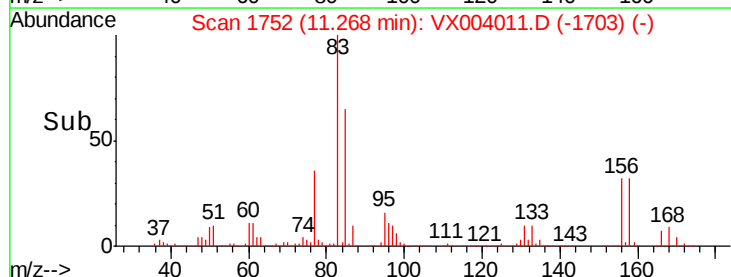
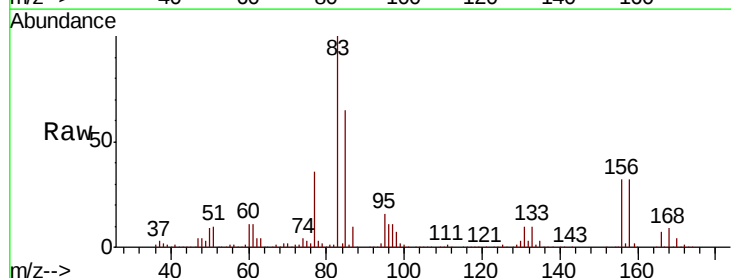
RT: 11.27 min Scan# 1752

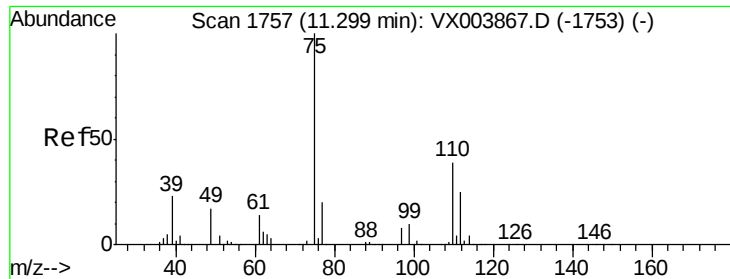
Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.1	32.2	96.6





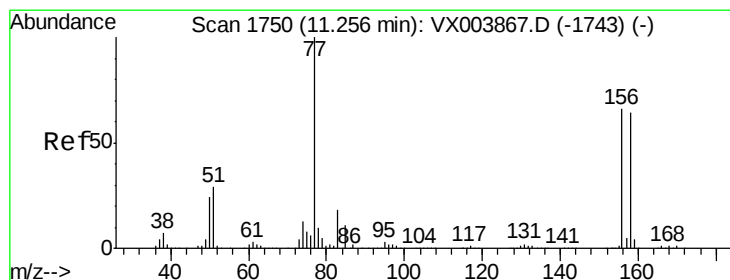
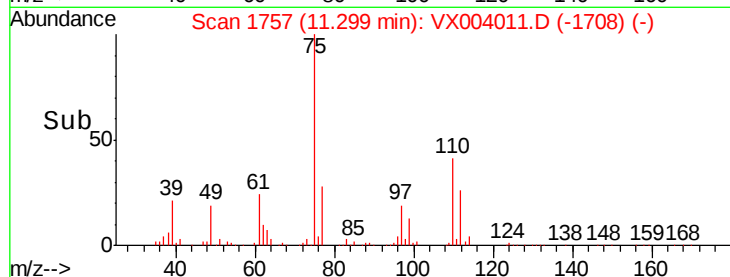
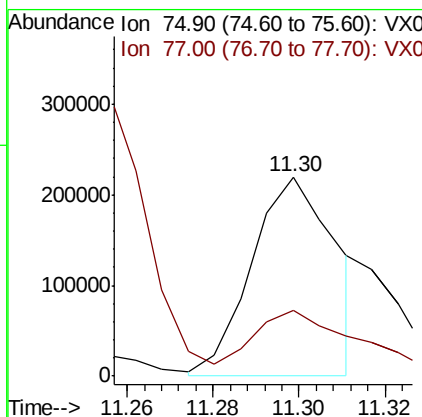
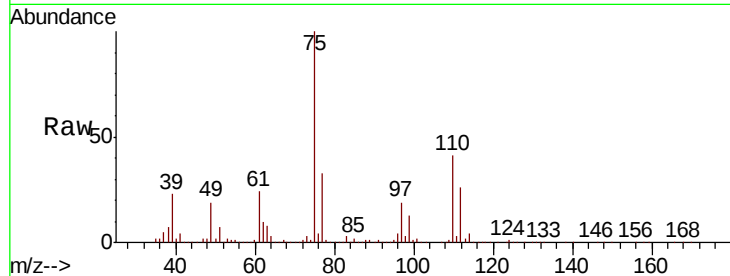
#76
 1,2,3-Trichloropropane
 Concen: 48.39 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	41.2	20.8	62.5

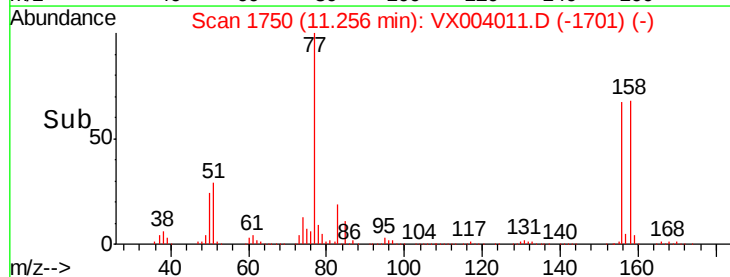
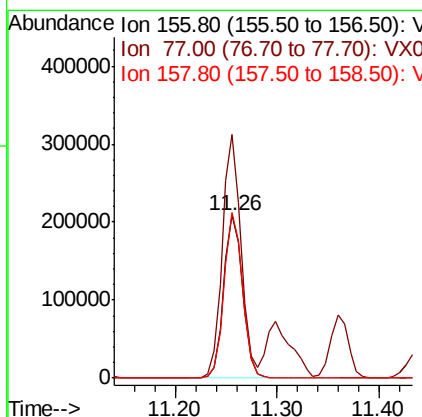
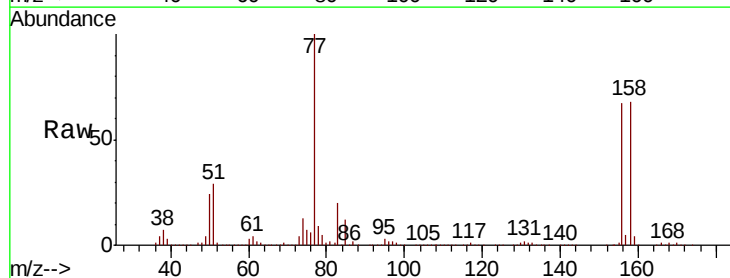
Manual Integrations
 APPROVED

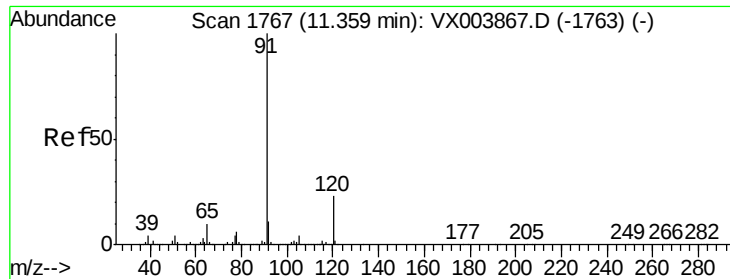
MMDadoda
 8/14/2018 12:56:18 PM



#77
 Bromobenzene
 Concen: 48.88 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
156	100		
77	147.6	74.1	222.2
158	98.9	48.6	145.9





#78

n-propylbenzene

Concen: 109.77 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MSD

Tot Ion: 91 Resp: 2544096

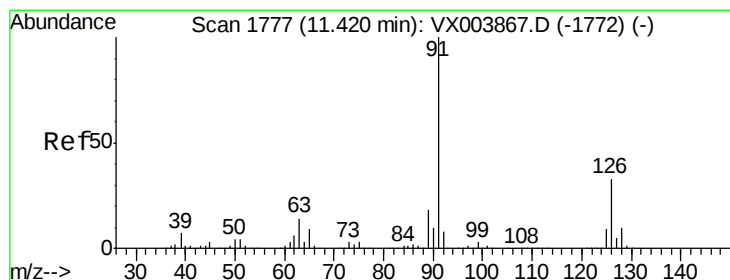
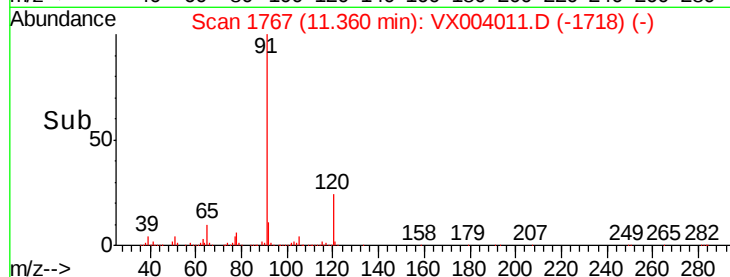
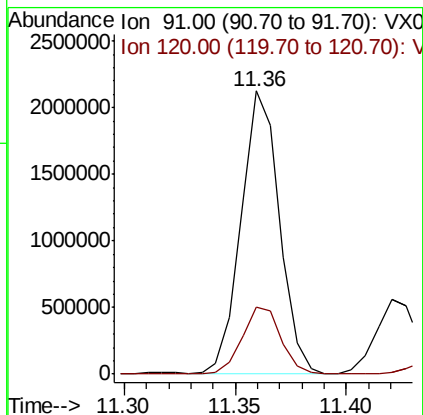
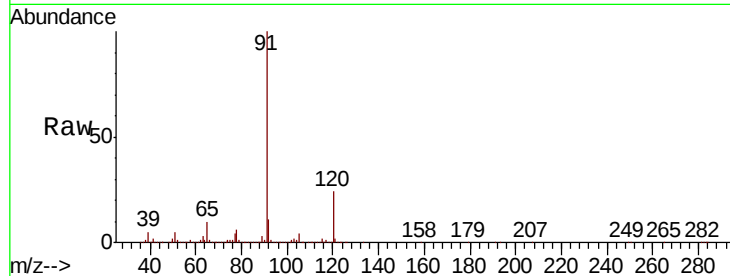
Ion Ratio Lower Upper

91 100

120 24.2 11.9 35.5

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#79

2-Chlorotoluene

Concen: 52.43 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX004011.D

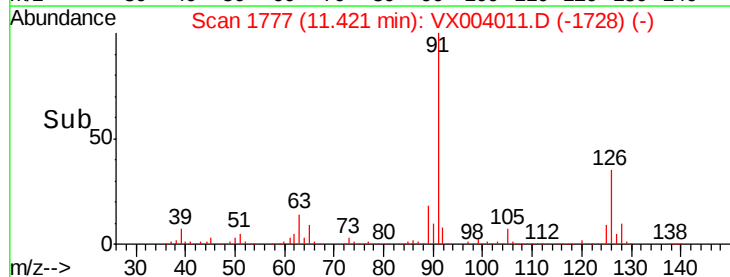
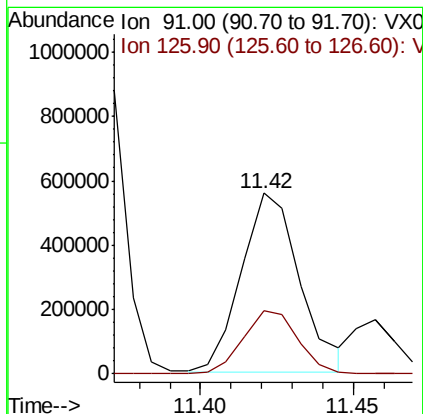
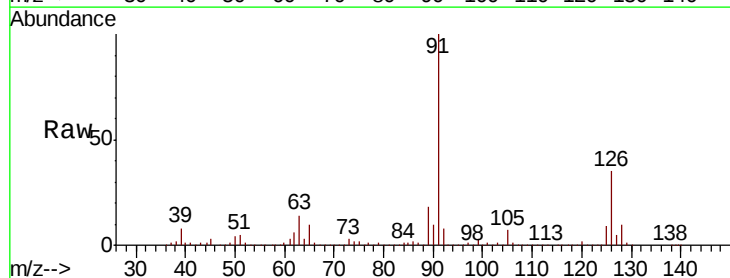
Acq: 13 Aug 2018 20:07

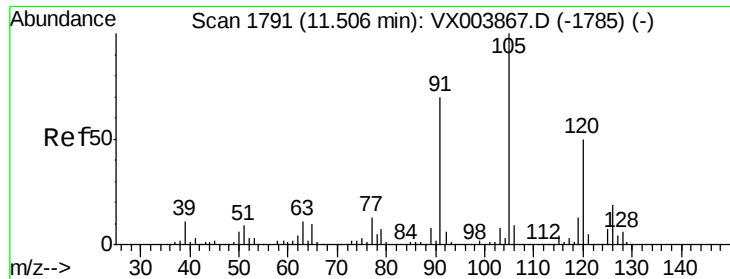
Tgt Ion: 91 Resp: 740920

Ion Ratio Lower Upper

91 100

126 33.4 17.4 52.3





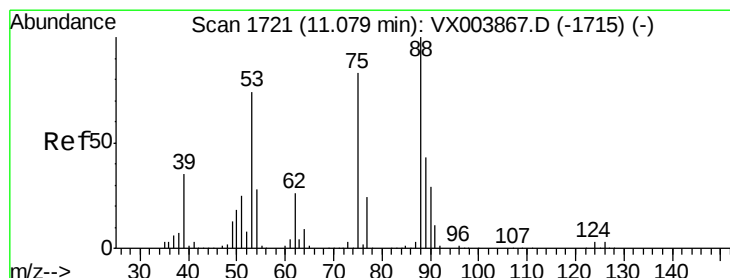
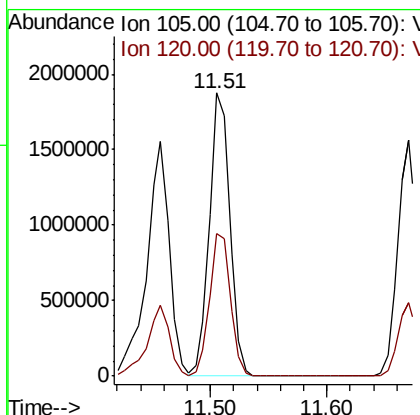
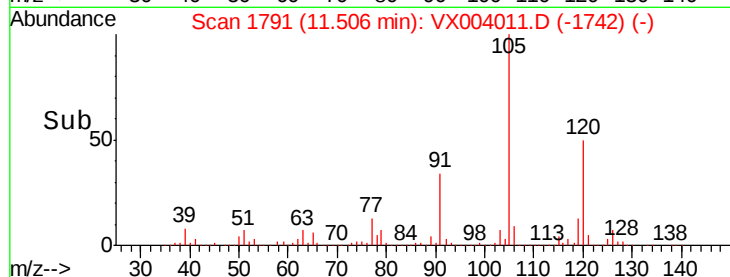
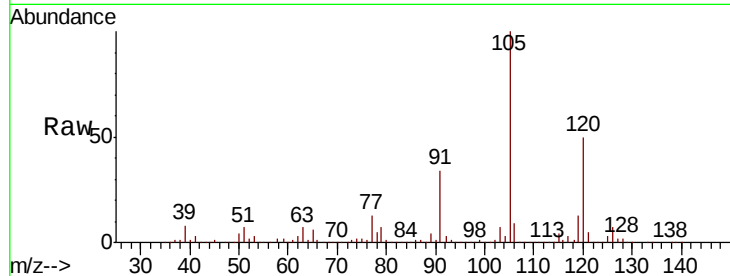
#80
 1,3,5-Trimethylbenzene
 Concen: 134.50 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0540MSD

Tot Ion:105 Resp: 2263514
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.4 76.2

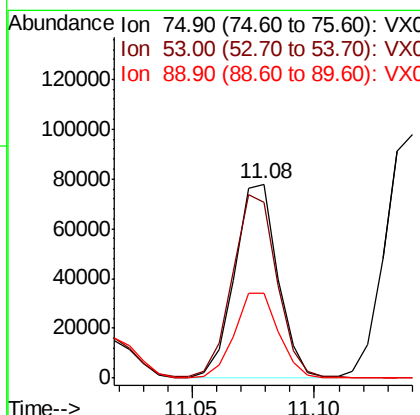
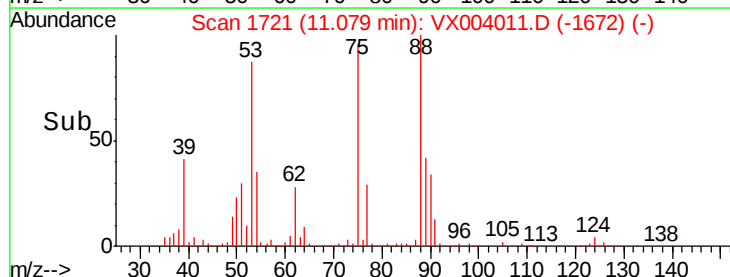
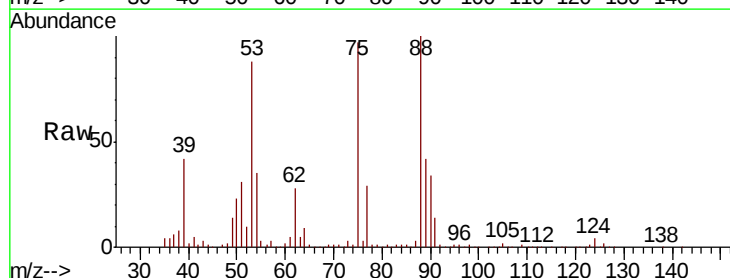
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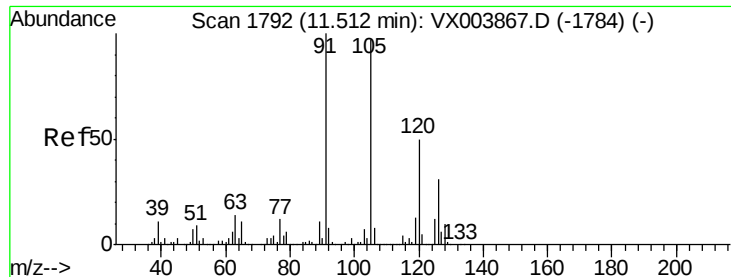
MMDadoda
 8/14/2018 12:56:18 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.16 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Tgt Ion: 75 Resp: 95352
 Ion Ratio Lower Upper
 75 100
 53 97.2 80.3 120.5
 89 45.1 37.8 56.8





#82

4-Chlorotoluene

Concen: 58.79 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MSD

Tot Ion: 91 Resp: 973326

Ion Ratio Lower Upper

91 100

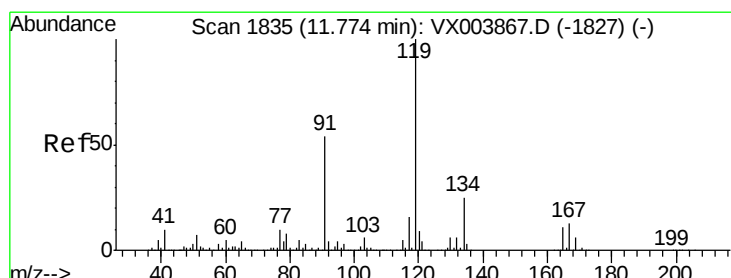
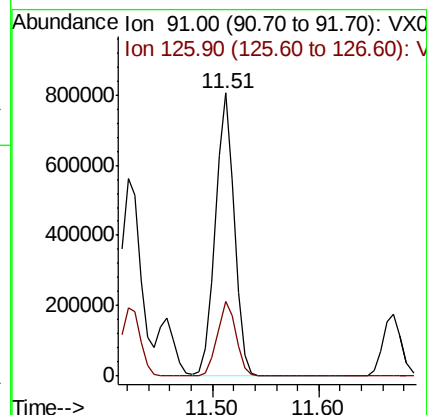
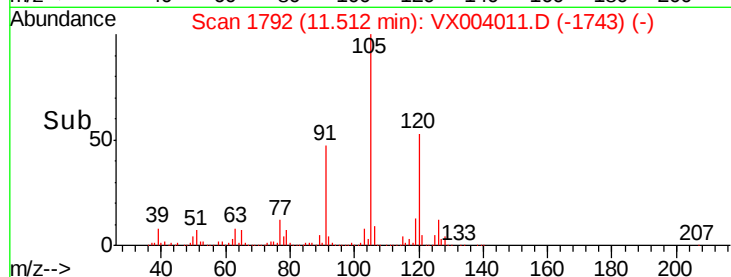
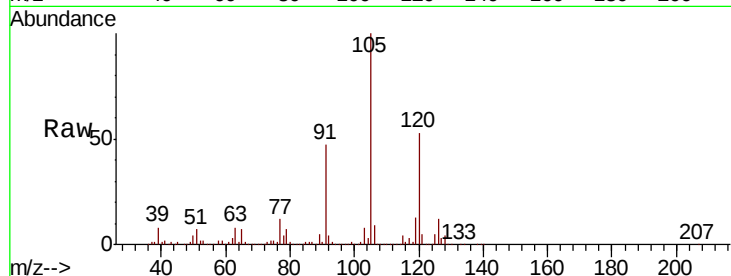
126 26.3 15.6 46.7

Manual Integrations

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#83

tert-Butylbenzene

Concen: 53.61 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

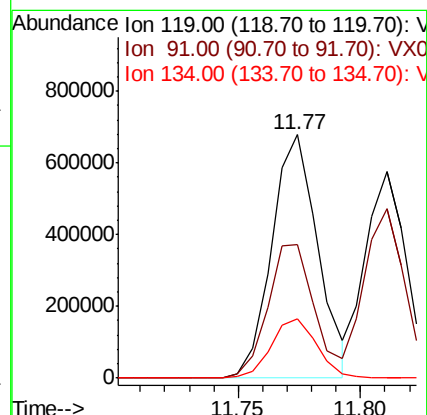
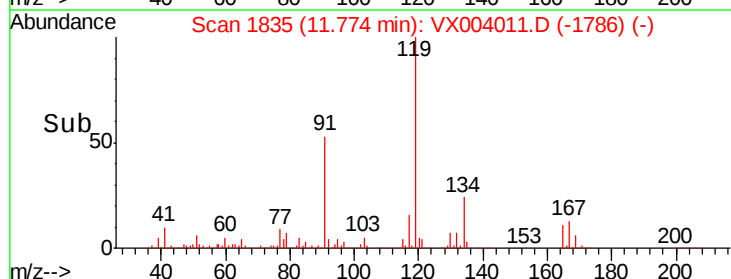
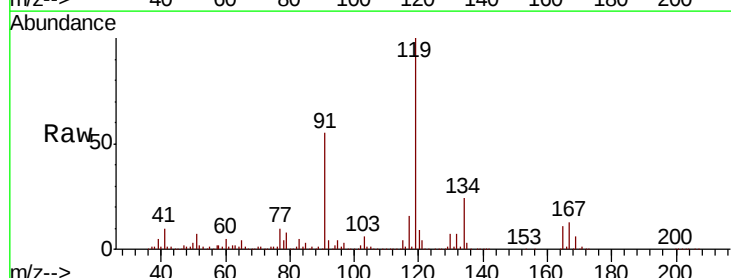
Tgt Ion: 119 Resp: 887542

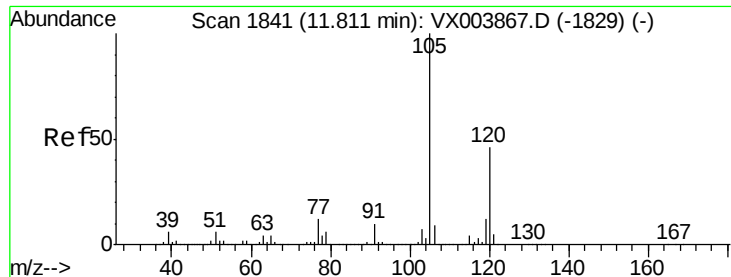
Ion Ratio Lower Upper

119 100

91 55.7 26.9 80.7

134 24.1 12.0 36.0





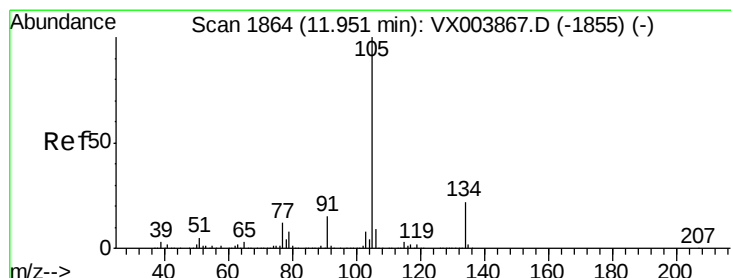
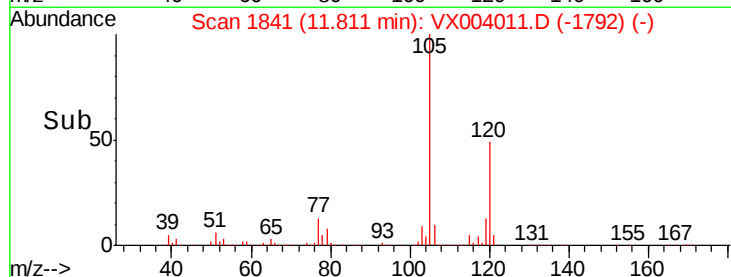
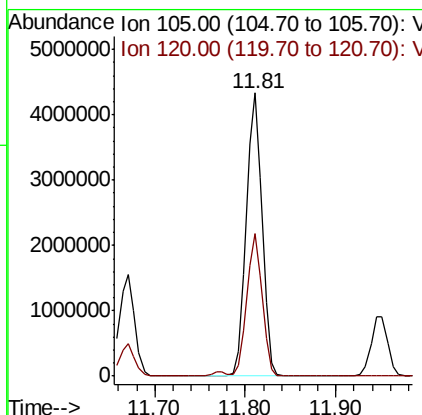
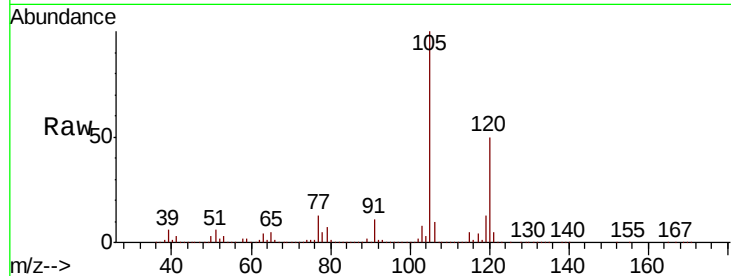
#84
 1,2,4-Trimethylbenzene
 Concen: 309.38 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0540MSD

Tot Ion:105 Resp: 5235287
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.1 69.2

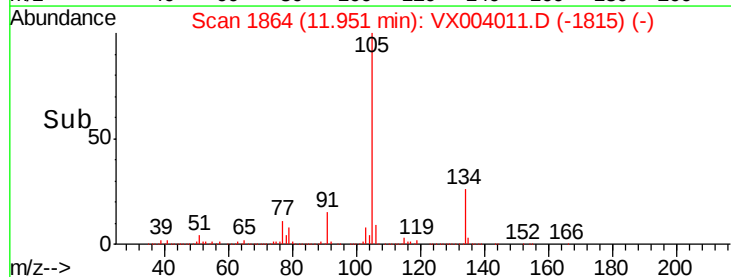
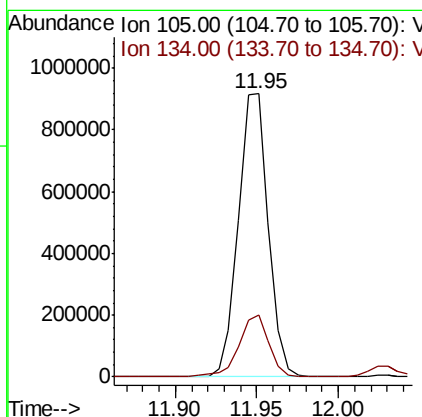
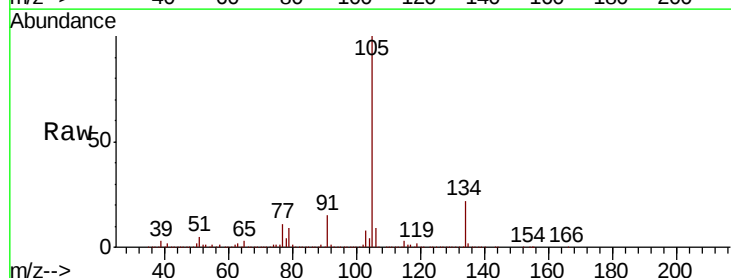
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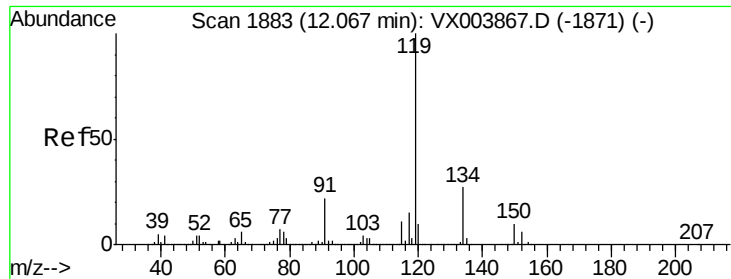
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#85
 sec-Butylbenzene
 Concen: 59.96 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Tgt Ion:105 Resp: 1171552
 Ion Ratio Lower Upper
 105 100
 134 22.0 10.3 30.9





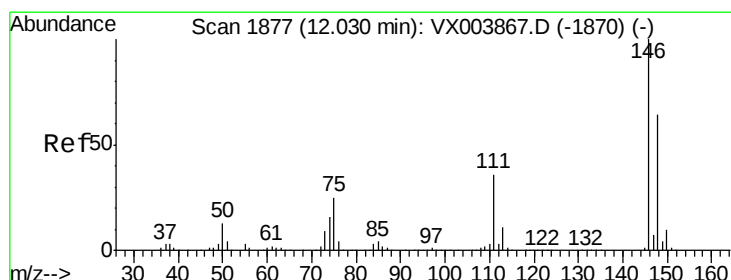
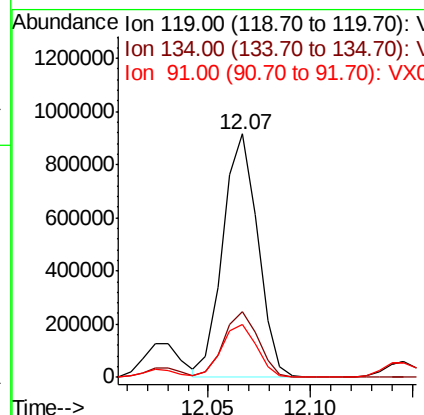
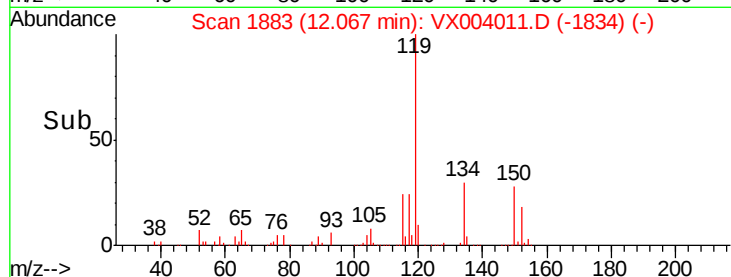
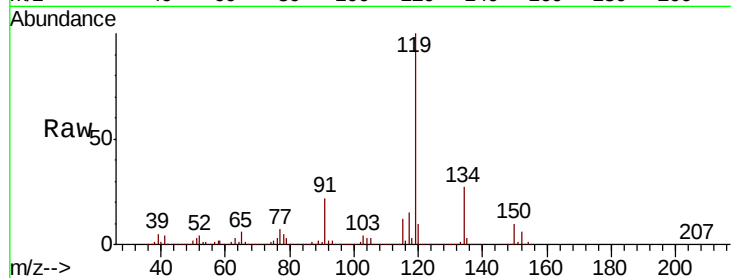
#86
 p-Isopropyltoluene
 Concen: 61.93 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.8
91	21.9	10.9	32.7

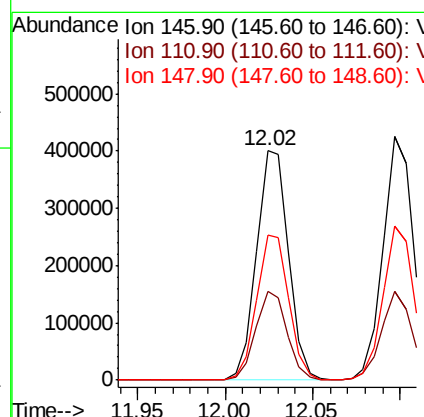
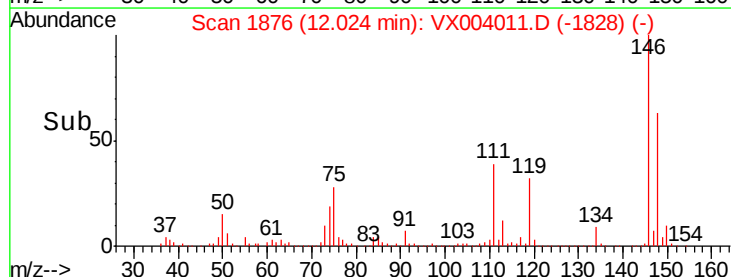
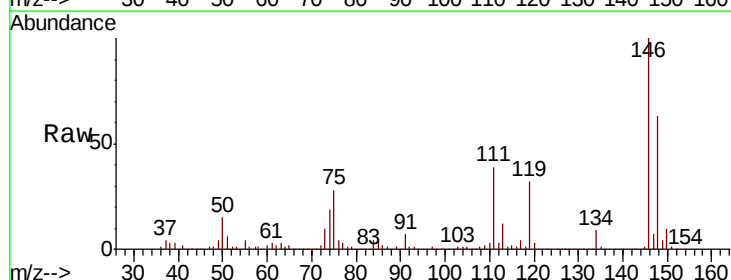
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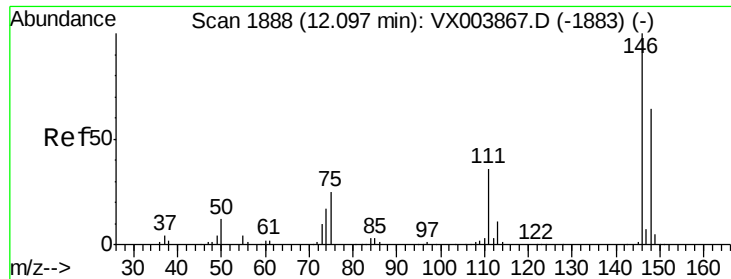
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 50.50 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	63.5	31.9	95.5





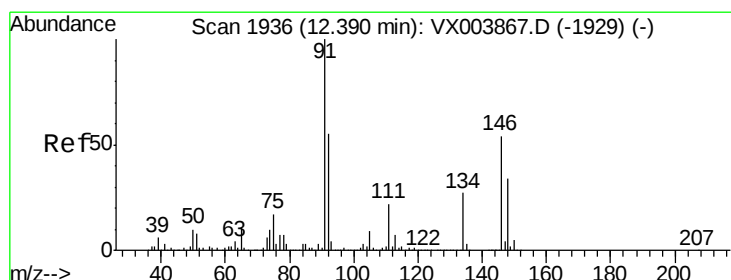
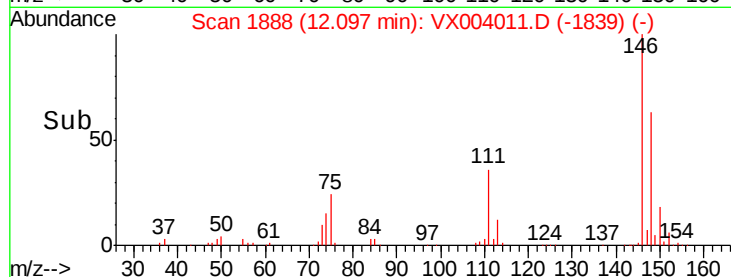
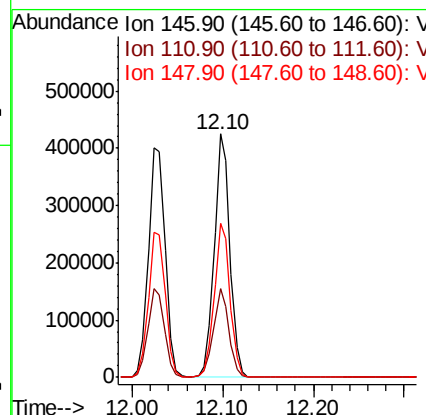
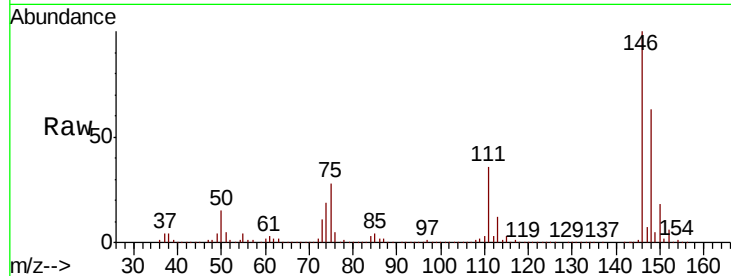
#88
 1,4-Dichlorobenzene
 Concen: 49.03 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.4	55.0
148	63.6	32.3	96.8

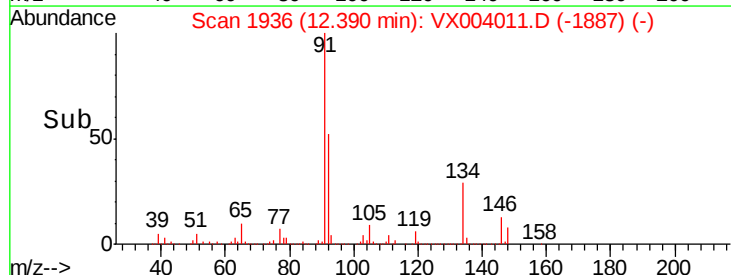
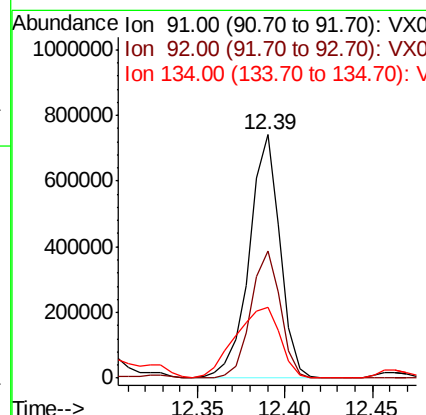
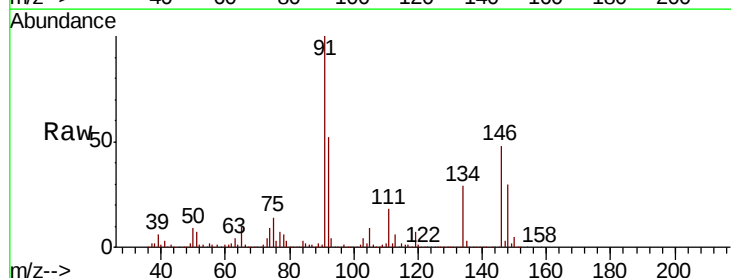
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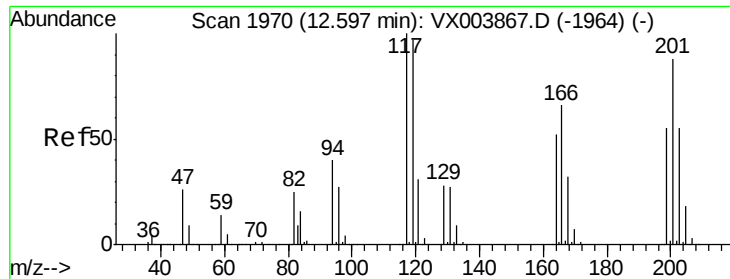
MMDadoda
 8/14/2018 12:56:18 PM



#89
 n-Butylbenzene
 Concen: 59.17 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.4	27.1	81.3
134	42.4	13.6	40.7#





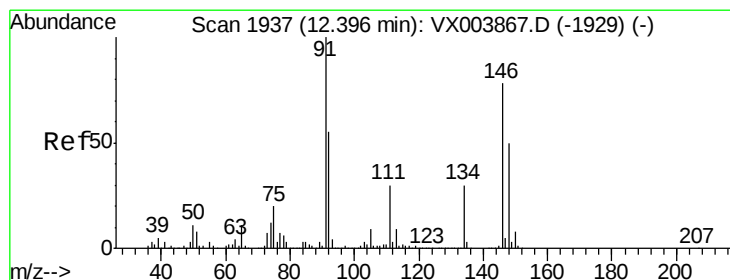
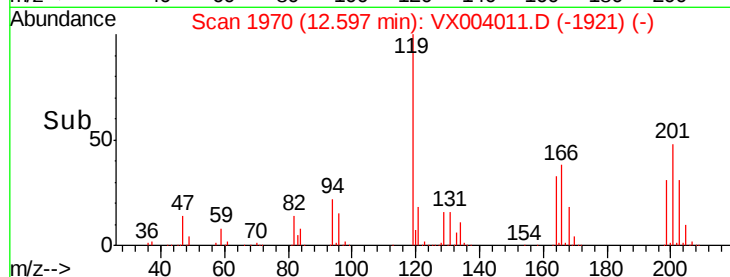
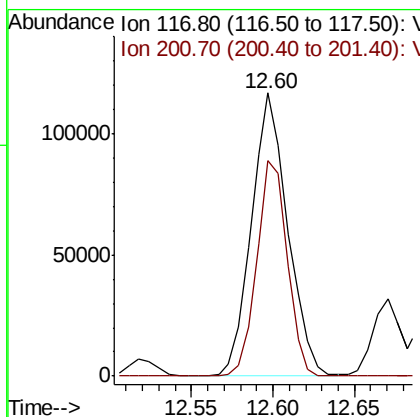
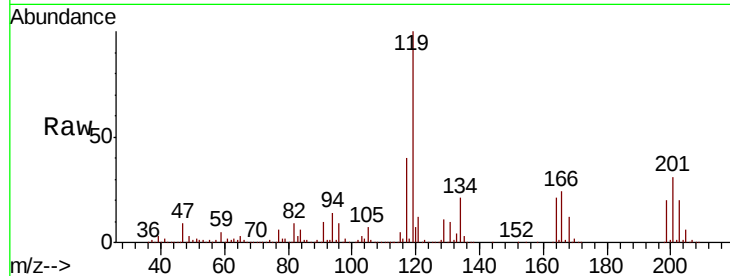
#90
Hexachloroethane
Concen: 63.23 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	179992		
201	64.0	46.1	138.2	

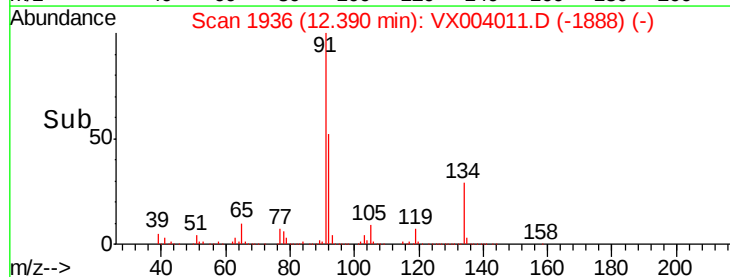
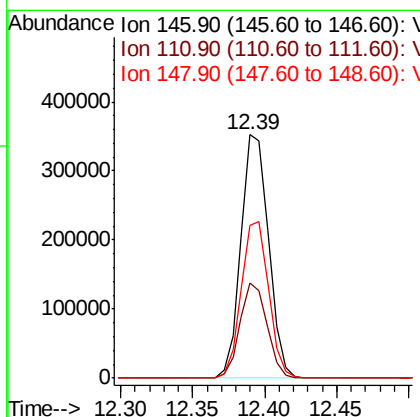
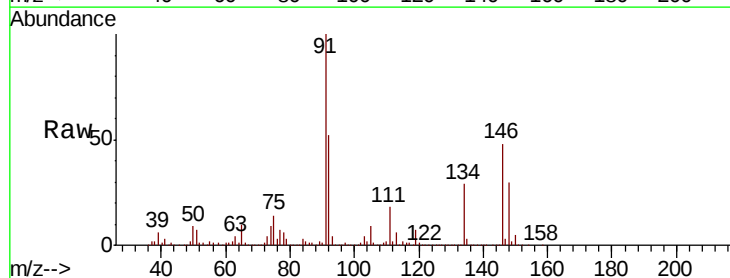
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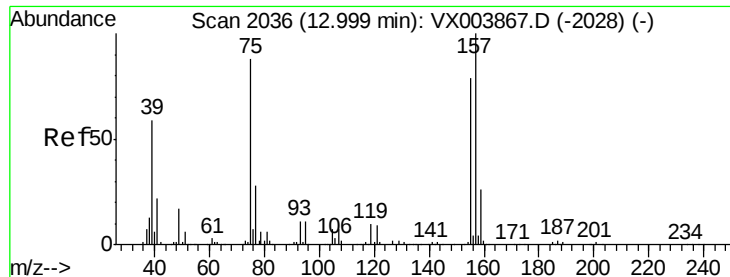
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#91
1,2-Dichlorobenzene
Concen: 46.46 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX004011.D
Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	468663		
111	38.2	19.7	59.0	
148	63.8	31.9	95.5	





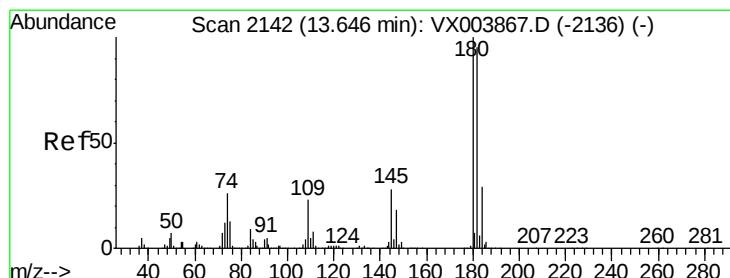
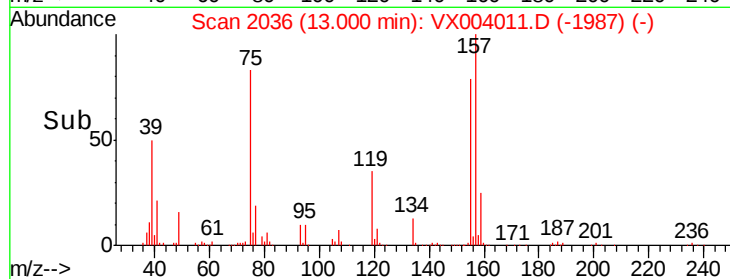
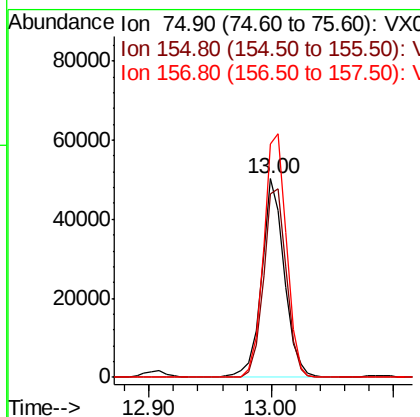
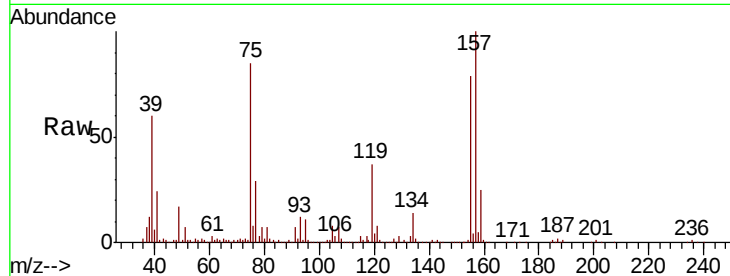
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.29 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	94.4	48.7	146.1
157	121.6	62.6	187.8

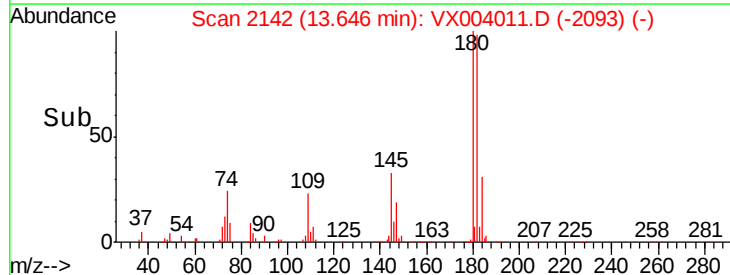
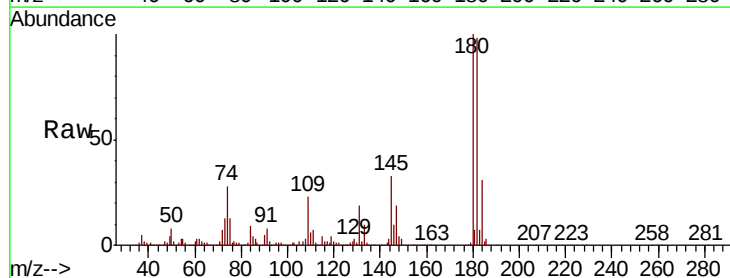
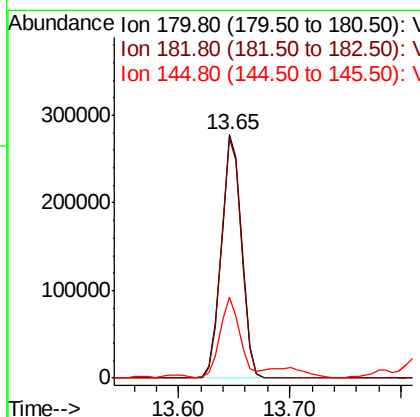
Manual Integrations
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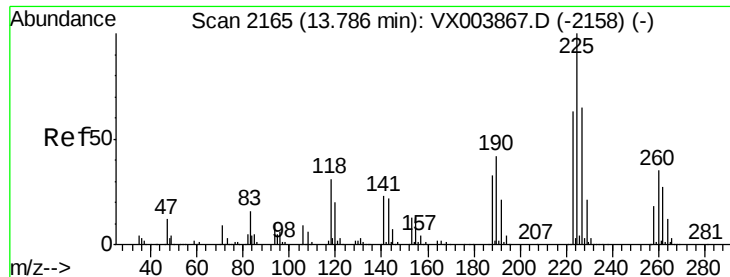
MMDadoda
 8/14/2018 12:56:18 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 47.92 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.7	143.1
145	32.2	13.9	41.6





#94

Hexachlorobutadiene

Concen: 44.98 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX004011.D

Acq: 13 Aug 2018 20:07

Instrument :

MSVOA_X

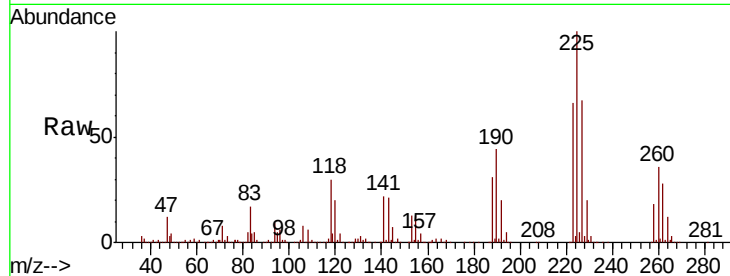
ClientSampleId :

FL-0540MSD

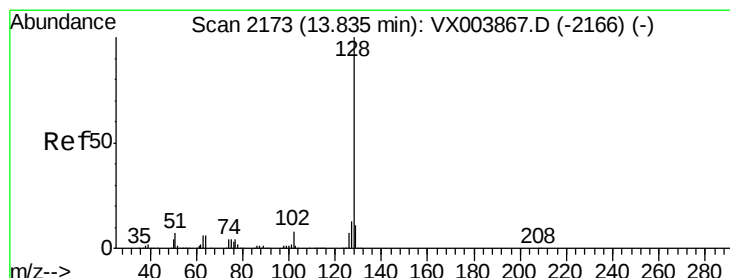
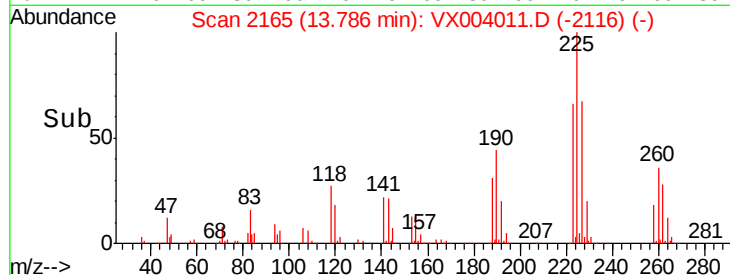
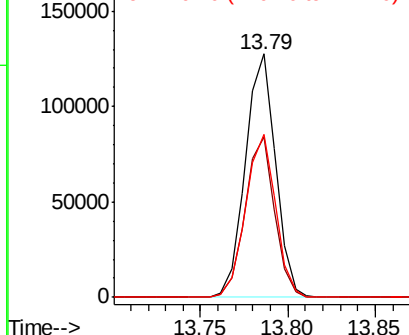
Tot Ion:	225	Resp:	152879
Ion Ratio	Lower	Upper	
225	100		
223	64.3	31.4	94.0
227	66.5	32.1	96.5

Manual Integrations
APPROVED

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8/14/2018 12:56:18 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 77.57 ug/l

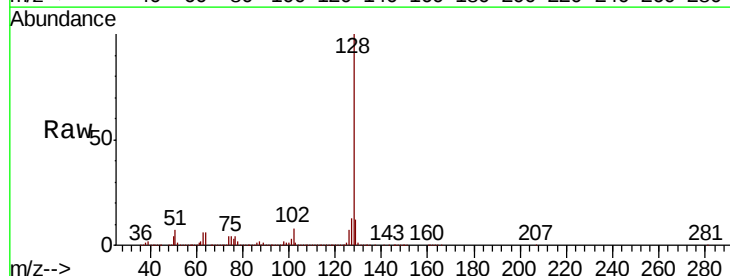
RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

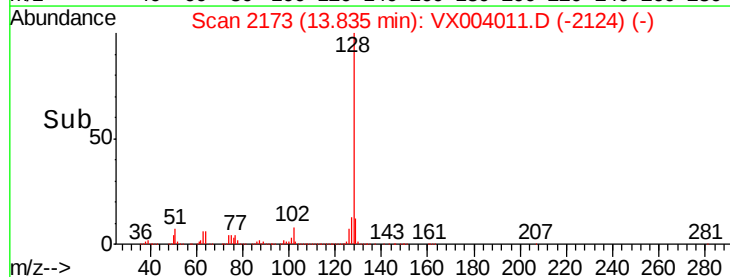
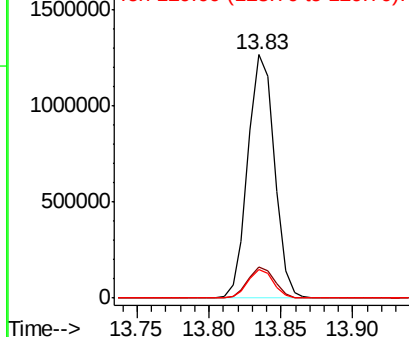
Lab File: VX004011.D

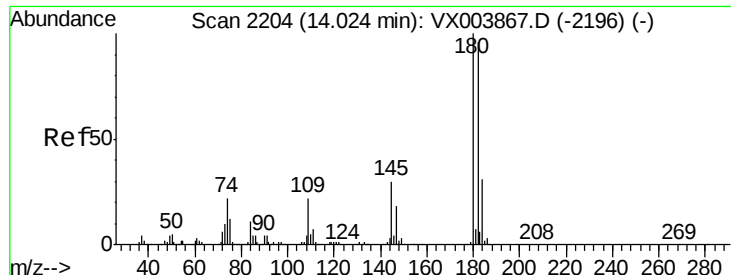
Acq: 13 Aug 2018 20:07

Tgt Ion:	128	Resp:	1611882
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	11.5	8.8	13.2



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





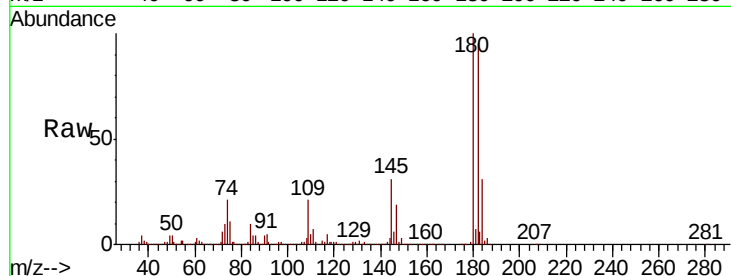
#96
 1,2,3-Trichlorobenzene
 Concen: 52.02 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX004011.D
 Acq: 13 Aug 2018 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	97.0	48.1	144.4
145	34.4	14.9	44.7

Manual Integrations
 APPROVED

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 8/14/2018 12:56:18 PM



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

