

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060815.D
 Acq On : 20 Nov 2018 21:04
 Operator : VA/AP
 Sample : J5981-03MS
 Misc : 4.68g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 DTW-02(11-13)MS

Manual Integrations
 APPROVED

apatel
 11/21/2018 2:41:01 PM

Quant Time: Nov 21 03:27:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	169055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	272484	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	223897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	89738	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	86068	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
35) Dibromofluoromethane	4.13	113	99768	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	7.56	98	261008	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.42	95	100616	40.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	140259	46.36	ug/l	99
3) Chloromethane	1.10	50	96232	51.29	ug/l	99
4) Vinyl Chloride	1.15	62	78781	46.94	ug/l	96
5) Bromomethane	1.32	94	56618	53.10	ug/l	97
6) Chloroethane	1.38	64	40671	61.93	ug/l	99
7) Trichlorofluoromethane	1.49	101	192033	51.74	ug/l	99
8) Diethyl Ether	1.63	74	28348	59.61	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	98801	56.49	ug/l	96
10) Methyl Iodide	1.90	142	143515m	51.14	ug/l	
11) Tert butyl alcohol	2.57	59	29932	341.08	ug/l #	93
12) 1,1-Dichloroethene	1.79	96	73309	53.15	ug/l	89
13) Acrolein	2.01	56	11709	145.92	ug/l	90
14) Allyl chloride	2.10	41	117486	48.62	ug/l	89
15) Acrylonitrile	2.95	53	62268	332.99	ug/l	95
16) Acetone	2.24	43	156030	378.57	ug/l	99
17) Carbon Disulfide	1.81	76	123660m	29.67	ug/l	
18) Methyl Acetate	2.35	43	52107	76.99	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	224310	67.79	ug/l	98
20) Methylene Chloride	2.19	84	74906m	54.97	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	59749	41.46	ug/l	96
22) Diisopropyl ether	2.81	45	312777	67.05	ug/l	98
23) Vinyl Acetate	3.19	43	589689	268.45	ug/l	99
24) 1,1-Dichloroethane	2.88	63	174413	61.76	ug/l	99
25) 2-Butanone	4.34	43	214502	316.41	ug/l	97
26) 2,2-Dichloropropane	3.61	77	118858	53.48	ug/l	95
27) cis-1,2-Dichloroethene	3.49	96	117377	47.88	ug/l	94
28) Bromochloromethane	3.73	49	72976	49.72	ug/l	92
29) Tetrahydrofuran	4.08	42	93883	335.74	ug/l	96
30) Chloroform	3.87	83	236357	52.16	ug/l	97
31) Cyclohexane	3.71	56	159728	46.60	ug/l	98
32) 1,1,1-Trichloroethane	4.11	97	189534	53.12	ug/l	97
36) 1,1-Dichloropropene	4.30	75	151744	48.02	ug/l	99
37) Ethyl Acetate	4.12	43	76506	65.12	ug/l	82
38) Carbon Tetrachloride	4.00	117	168274	54.88	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	139799	38.13	ug/l	98
40) Benzene	4.64	78	428437	60.82	ug/l	100
41) Methacrylonitrile	4.75	41	41262	67.38	ug/l	96
42) 1,2-Dichloroethane	4.95	62	131141	53.87	ug/l	99
43) Isopropyl Acetate	6.97	43	90714	58.23	ug/l #	93
44) Trichloroethene	5.51	130	106375	47.86	ug/l	96
45) 1,2-Dichloropropane	6.24	63	113303	61.81	ug/l	100
46) Dibromomethane	6.09	93	59616	49.27	ug/l	90
47) Bromodichloromethane	6.40	83	169231	54.77	ug/l	96
48) Methyl methacrylate	6.72	41	62080	60.22	ug/l	96
49) 1,4-Dioxane	6.71	88	12686	1315.73	ug/l #	88
51) 4-Methyl-2-Pentanone	8.26	43	364353	323.40	ug/l	98
52) Toluene	7.63	92	243937	51.67	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	97962	39.58	ug/l	90
54) cis-1,3-Dichloropropene	7.31	75	147157	45.78	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	76099	56.42	ug/l	97
56) Ethyl methacrylate	8.63	69	91540	59.76	ug/l	98
57) 1,3-Dichloropropane	8.87	76	126849	54.27	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	37881	270.72	ug/l	100
59) 2-Hexanone	9.50	43	240785	304.11	ug/l	99
60) Dibromochloromethane	8.73	129	104658	54.45	ug/l	97
61) 1,2-Dibromoethane	8.99	107	71236	50.22	ug/l	97
64) Tetrachloroethene	8.16	164	93961	53.00	ug/l	97
65) Chlorobenzene	9.81	112	248629	55.03	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	119278	60.53	ug/l	100
67) Ethyl Benzene	9.91	91	455546	53.49	ug/l	100
68) m/p-Xylenes	10.14	106	320509	105.31	ug/l	92
69) o-Xylene	10.72	106	189506	55.38	ug/l	98
70) Styrene	10.80	104	225866	48.64	ug/l	98
71) Bromoform	10.78	173	51423	58.03	ug/l	99
73) Isopropylbenzene	11.13	105	474255	65.66	ug/l	99
74) N-amyl acetate	11.38	43	141577	86.10	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.70	83	107660	90.15	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	74916	84.47	ug/l	99
77) Bromobenzene	11.50	156	96593	64.24	ug/l	93
78) n-propylbenzene	11.60	91	459411	54.53	ug/l	97
79) 2-Chlorotoluene	11.73	91	304802	62.25	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	375209	65.43	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	28600m	65.64	ug/l	
82) 4-Chlorotoluene	11.90	91	291291	58.07	ug/l	98
83) tert-Butylbenzene	12.14	119	374555	61.51	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	374236	63.10	ug/l	95
85) sec-Butylbenzene	12.31	105	404446	48.97	ug/l	96
86) p-Isopropyltoluene	12.47	119	360326	52.23	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	163740	54.72	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	156580	54.45	ug/l	95
89) n-Butylbenzene	12.85	91	267980	38.07	ug/l	95
90) Hexachloroethane	12.92	117	81422	48.26	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	171371	60.83	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19836	88.37	ug/l	79

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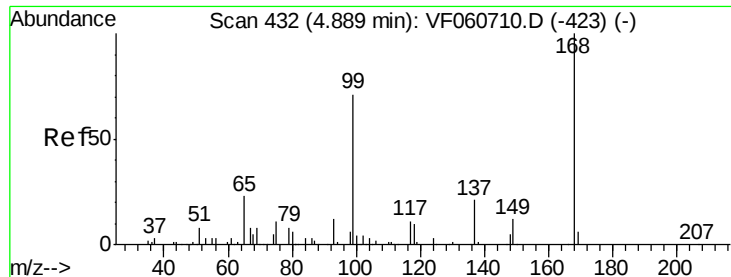
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	72686	35.90	ug/l	94
94) Hexachlorobutadiene	14.19	225	25987	19.64	ug/l	97
95) Naphthalene	14.46	128	1952854	528.53	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	65417	34.96	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

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Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion: 168 Resp: 169055

Ion Ratio Lower Upper

168 100

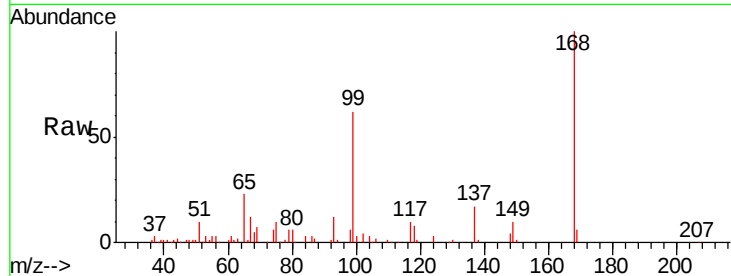
99 61.6 57.2 85.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

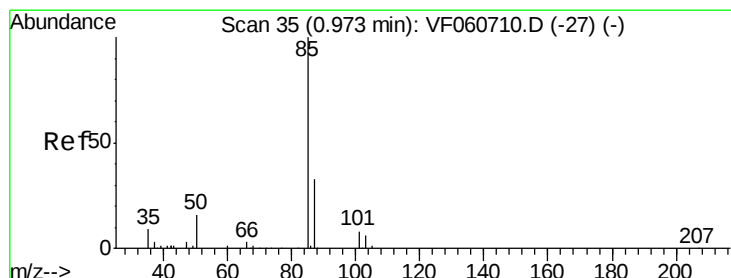
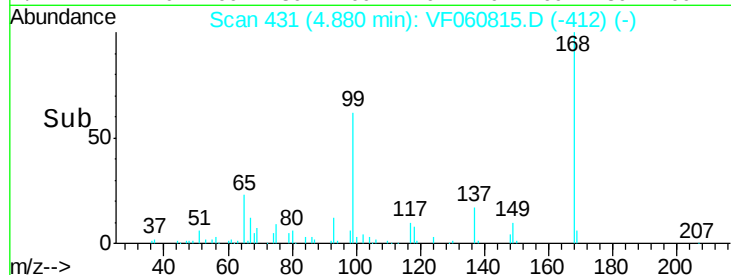
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.36 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060815.D

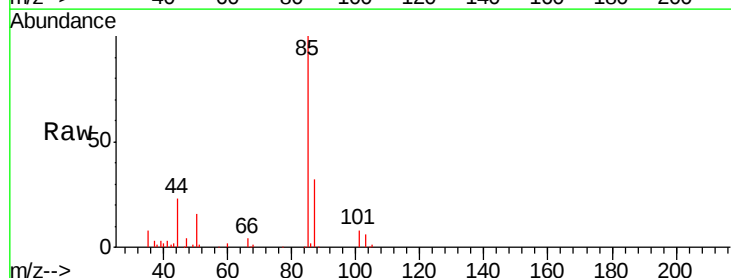
Acq: 20 Nov 2018 21:04

Tgt Ion: 85 Resp: 140259

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

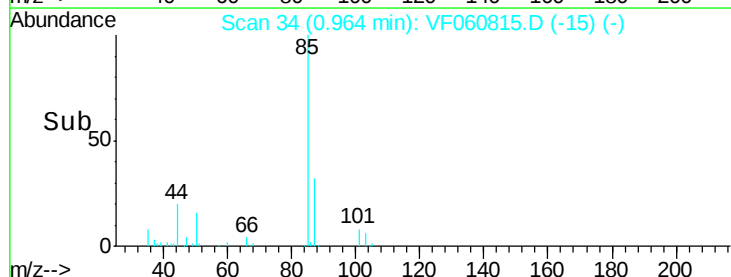
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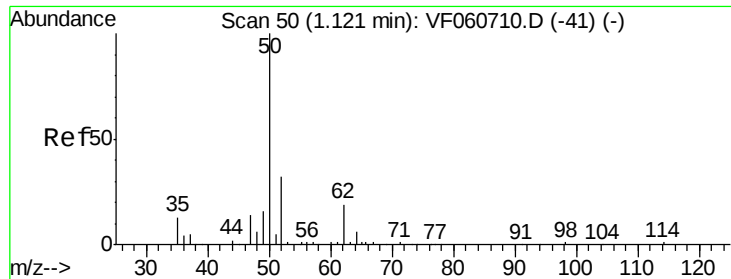
20000

10000

0

Time-->





#3

Chloromethane

Concen: 51.29 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion: 50 Resp: 96232

Ion Ratio Lower Upper

50 100

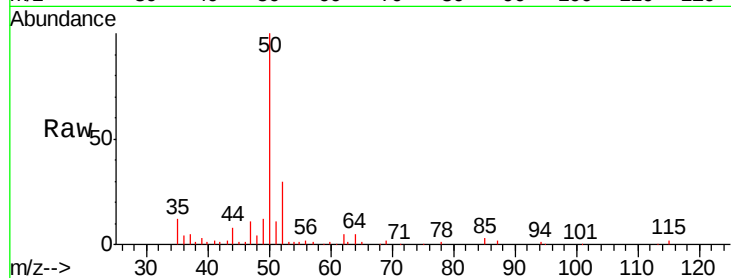
52 29.6 24.2 36.2

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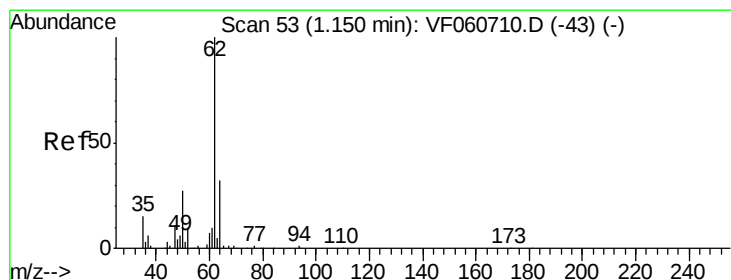
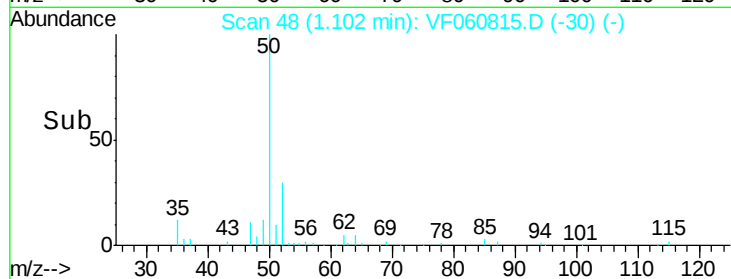
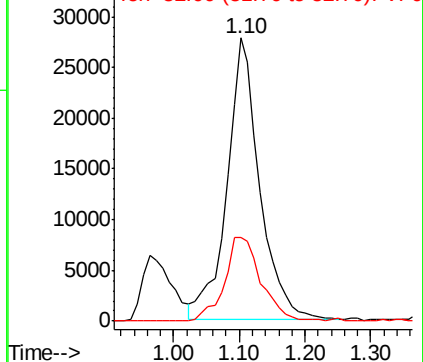
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 46.94 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060815.D

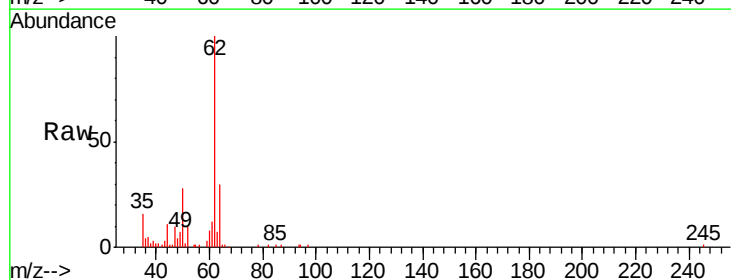
Acq: 20 Nov 2018 21:04

Tgt Ion: 62 Resp: 78781

Ion Ratio Lower Upper

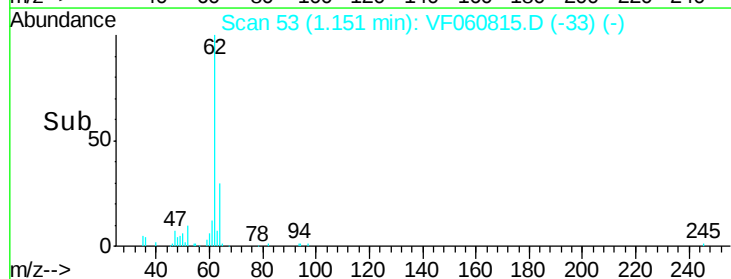
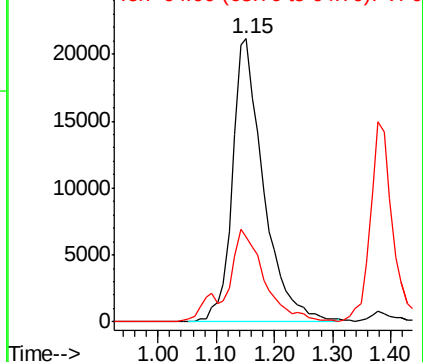
62 100

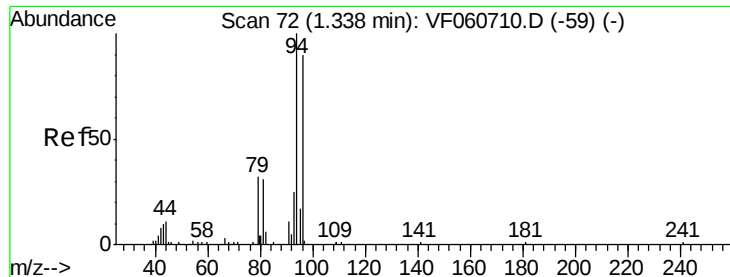
64 30.2 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 53.10 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

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Tgt Ion: 94 Resp: 56618

Ion Ratio Lower Upper

94 100

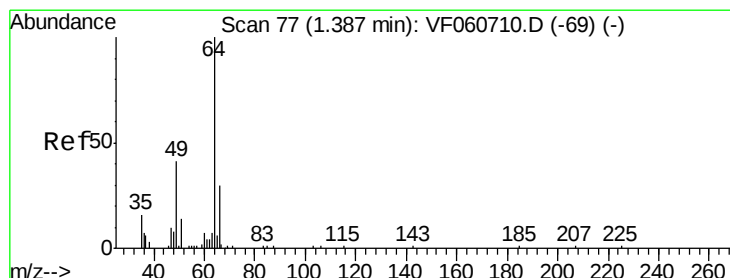
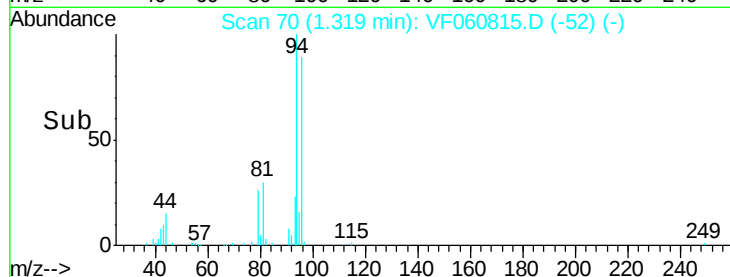
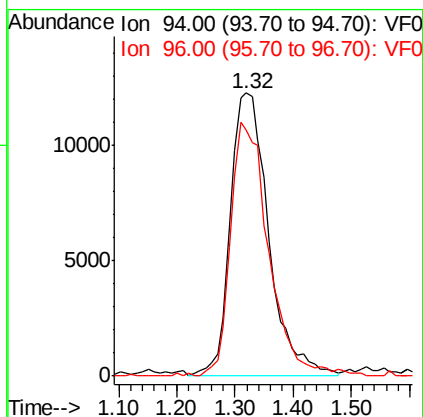
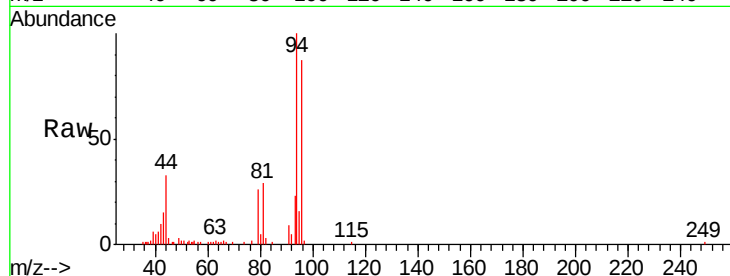
96 87.1 71.9 107.9

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#6

Chloroethane

Concen: 61.93 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060815.D

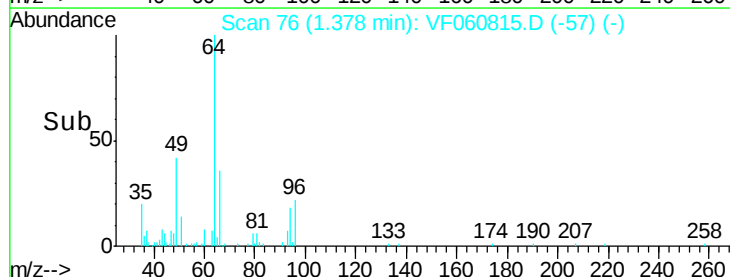
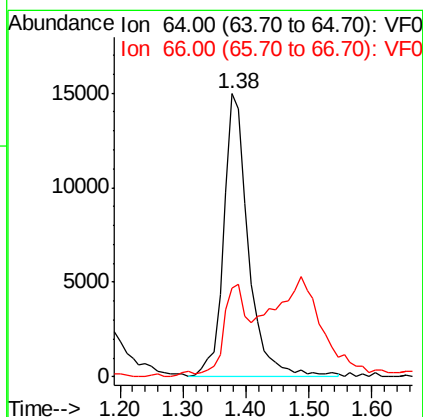
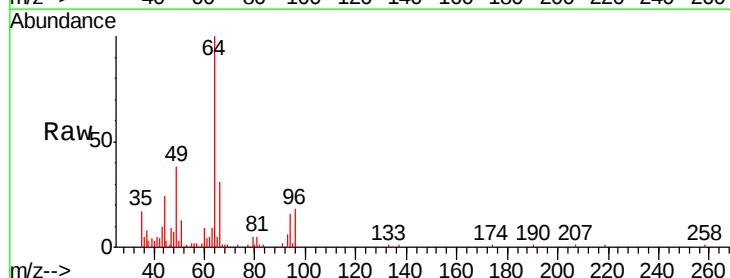
Acq: 20 Nov 2018 21:04

Tgt Ion: 64 Resp: 40671

Ion Ratio Lower Upper

64 100

66 31.5 24.8 37.2





#7

Trichlorofluoromethane

Concen: 51.74 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

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Tgt Ion:101 Resp: 192033

Ion Ratio Lower Upper

101 100

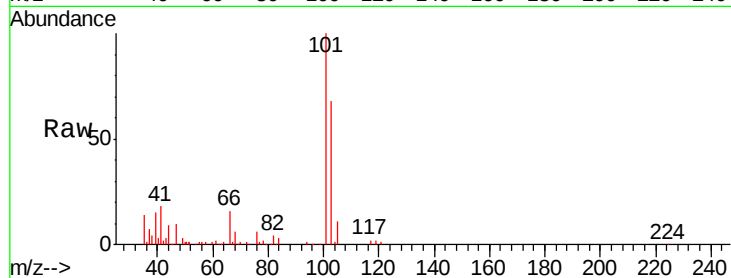
103 67.6 53.1 79.7

Manual Integrations

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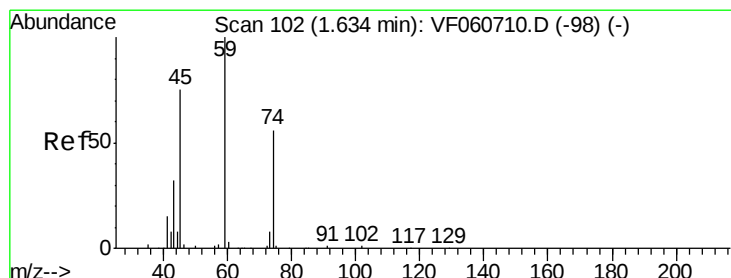
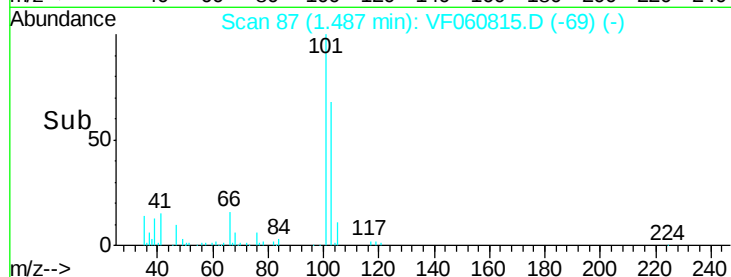
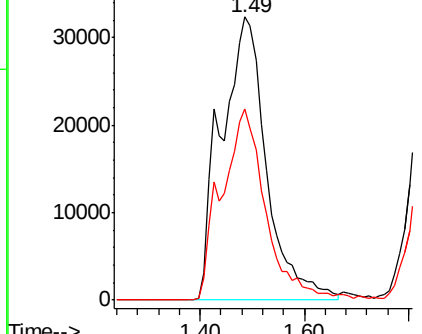
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 59.61 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060815.D

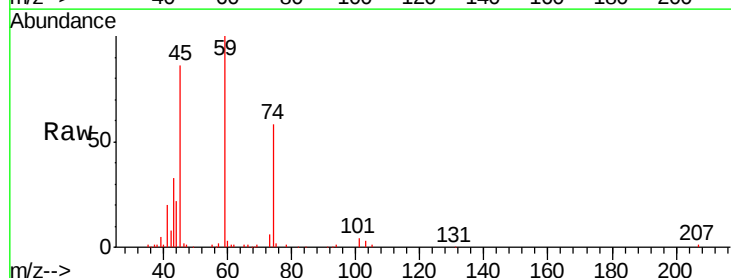
Acq: 20 Nov 2018 21:04

Tgt Ion: 74 Resp: 28348

Ion Ratio Lower Upper

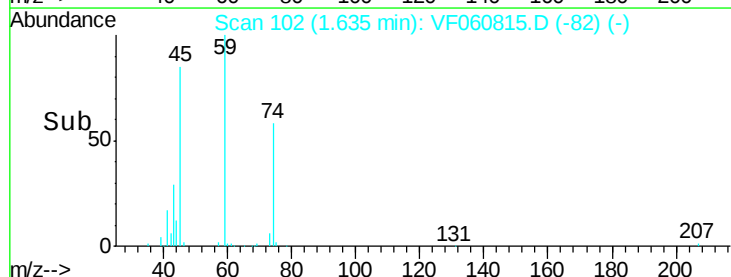
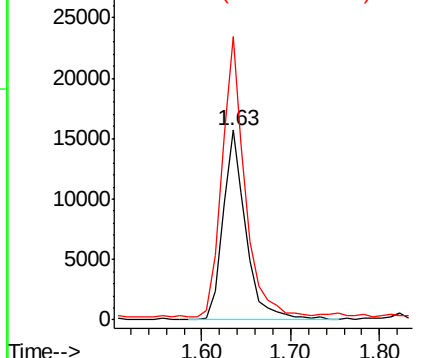
74 100

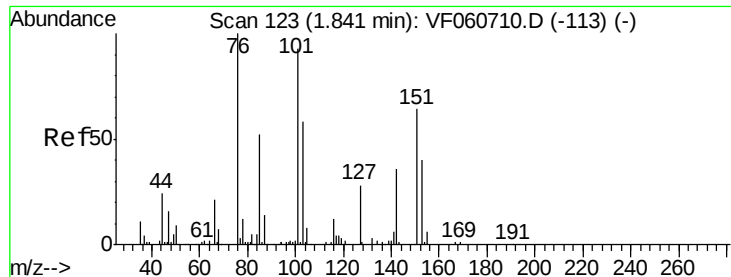
45 149.4 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.49 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

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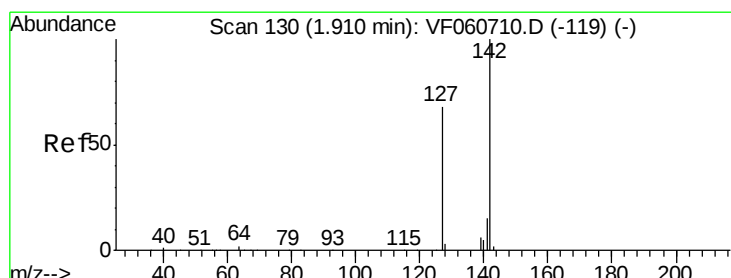
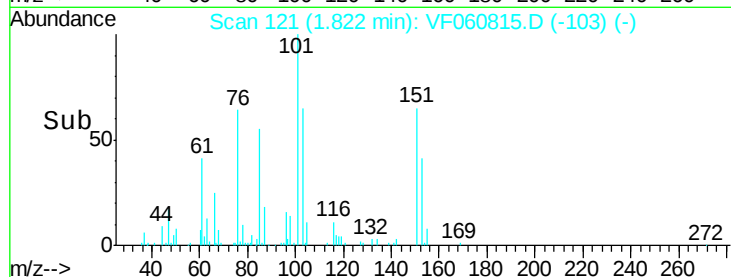
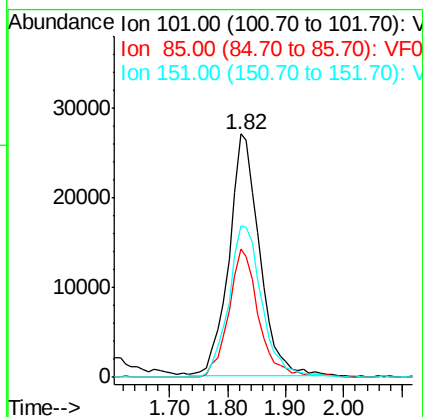
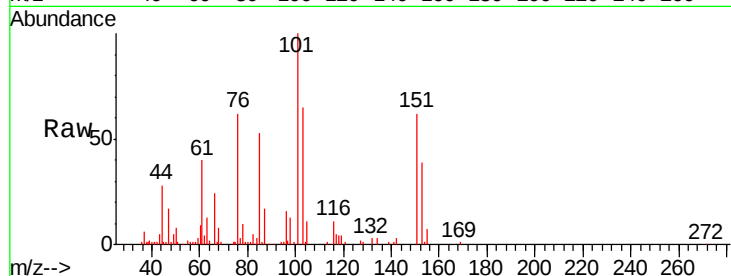
ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:	101	Resp:	98801
Ion Ratio	Lower	Upper	
101	100		
85	52.9	43.6	65.4
151	62.2	53.1	79.7

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#10

Methyl Iodide

Concen: 51.14 ug/l m

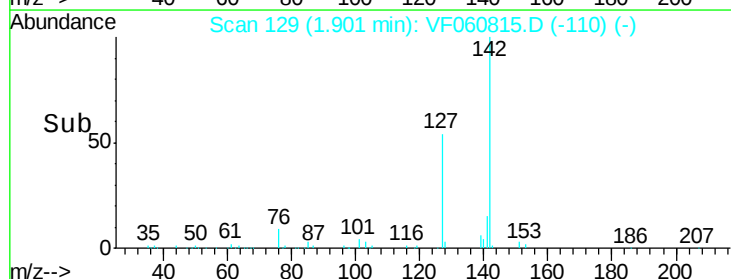
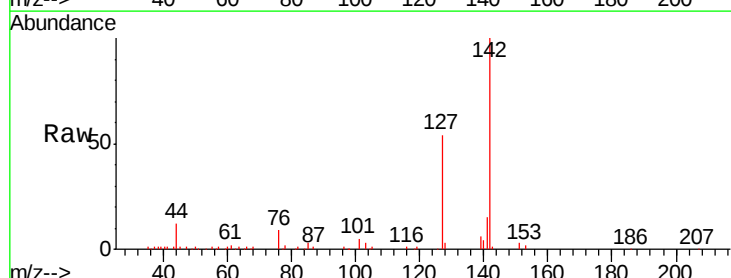
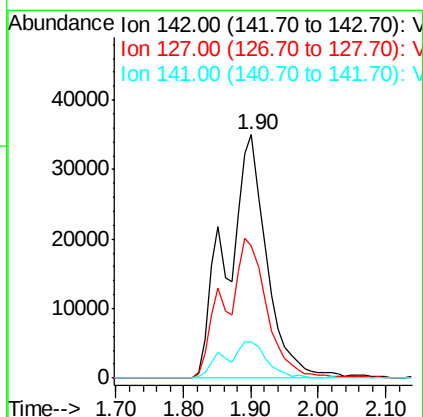
RT: 1.90 min Scan# 129

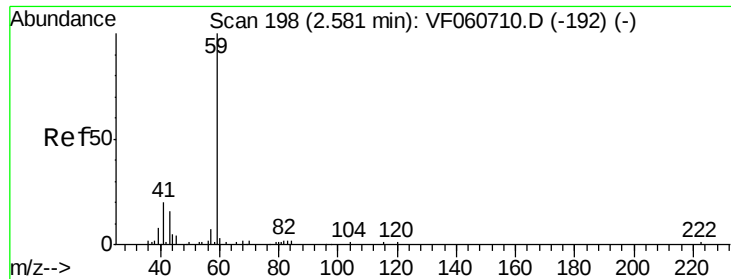
Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion:	142	Resp:	143515
Ion Ratio	Lower	Upper	
142	100		
127	54.1	54.0	81.0
141	15.1	12.3	18.5





#11

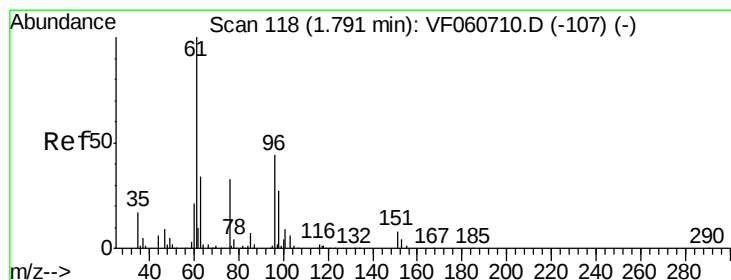
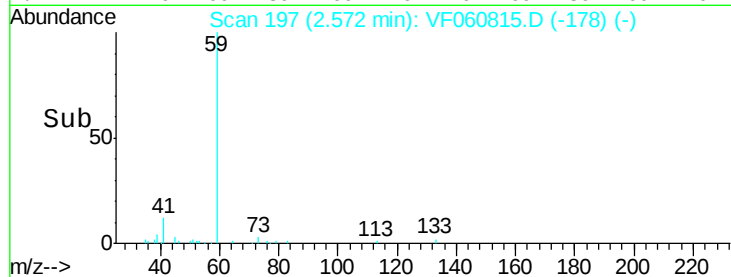
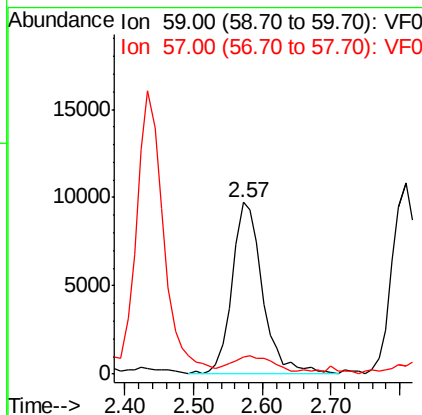
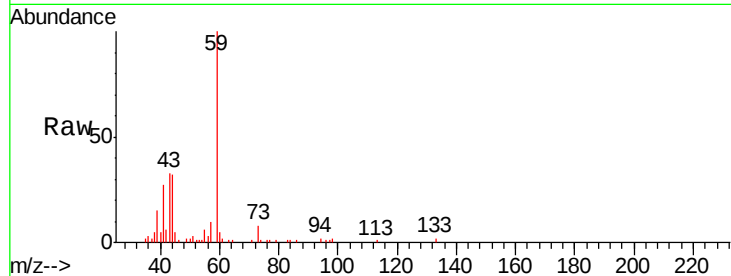
Tert butyl alcohol
Concen: 341.08 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MS

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	10.5	15.7#

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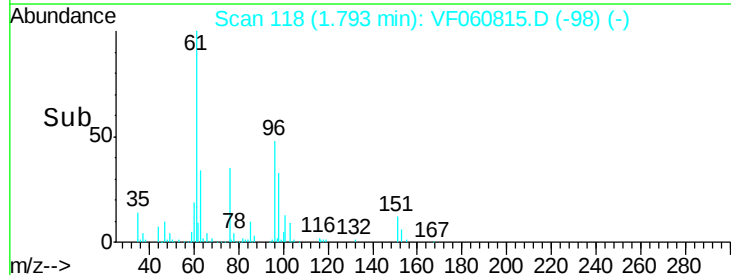
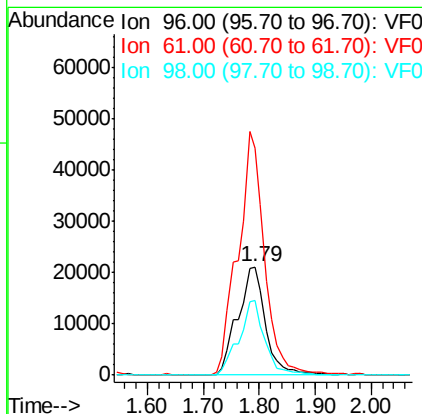
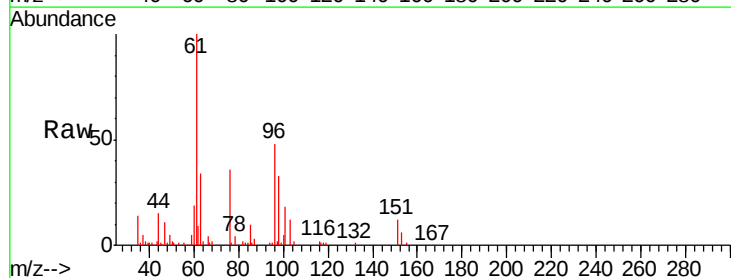
apatel
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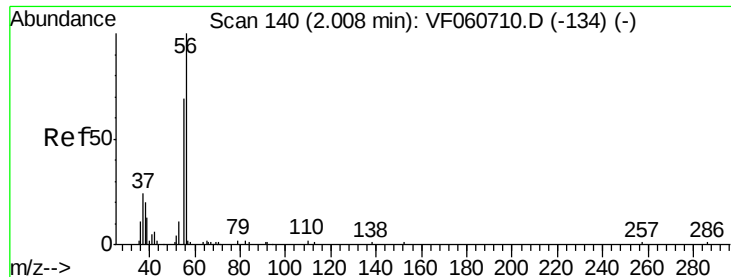


#12

1,1-Dichloroethene
Concen: 53.15 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	209.8	182.2	273.2
98	68.6	49.2	73.8





#13

Acrolein

Concen: 145.92 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion: 56 Resp: 11709

Ion Ratio Lower Upper

56 100

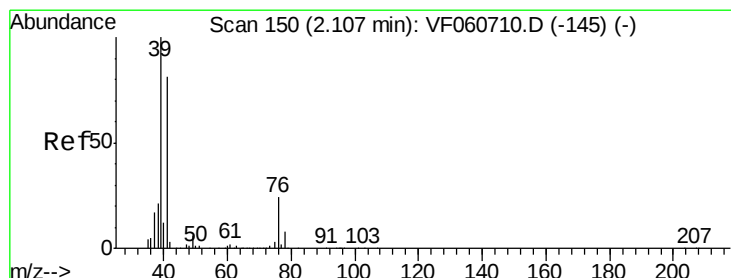
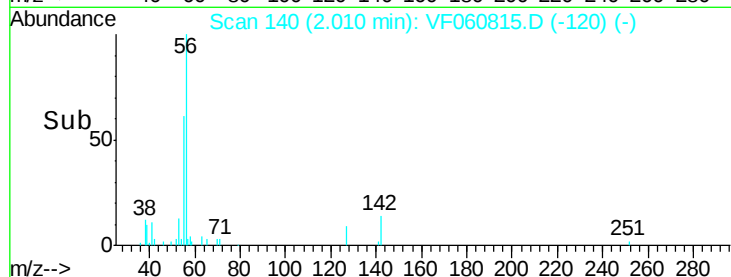
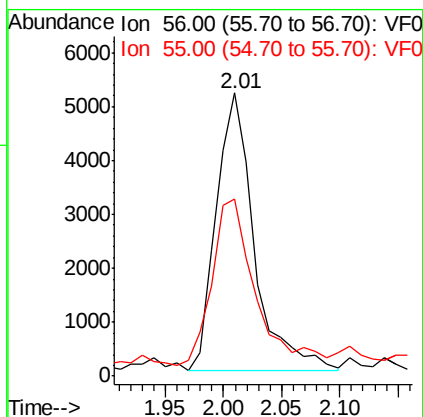
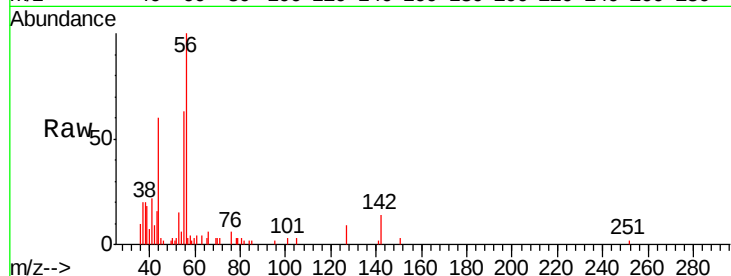
55 62.6 56.6 85.0

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#14

Allyl chloride

Concen: 48.62 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

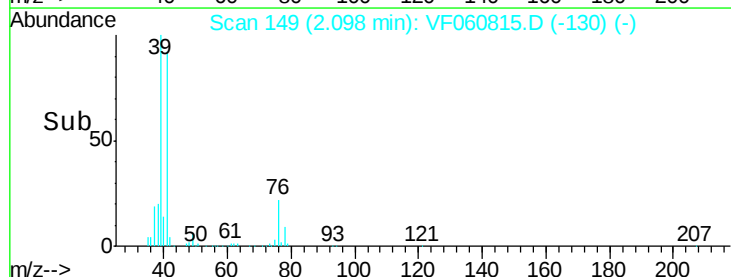
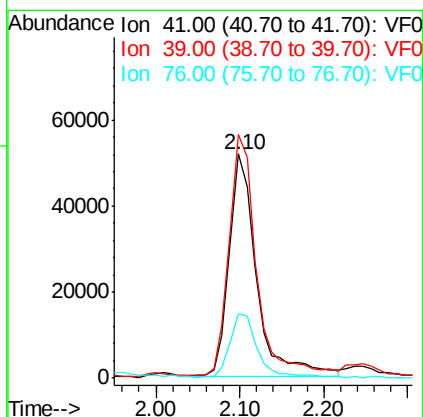
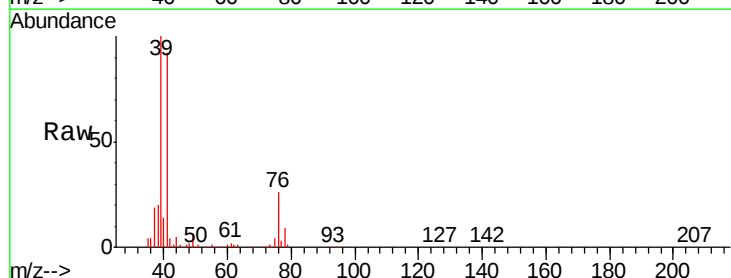
Tgt Ion: 41 Resp: 117486

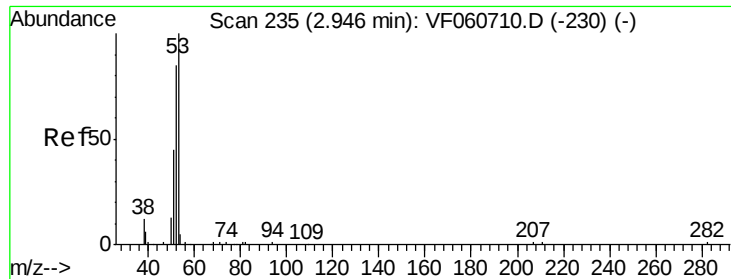
Ion Ratio Lower Upper

41 100

39 108.7 98.5 147.7

76 28.6 24.5 36.7





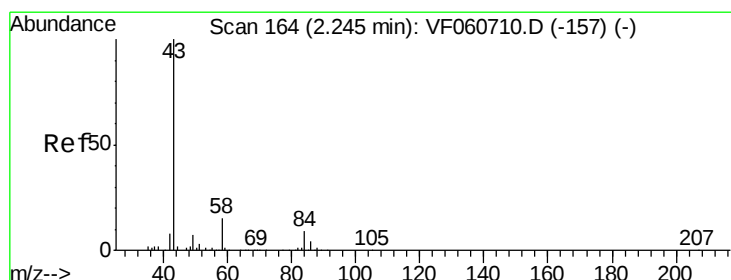
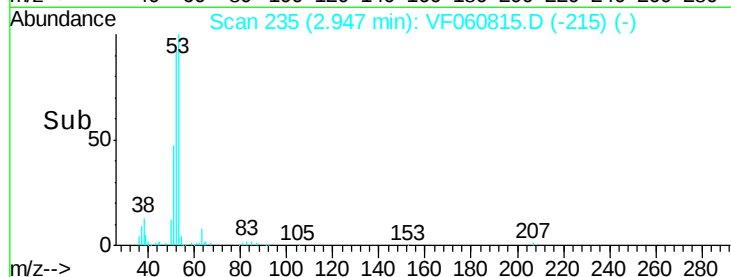
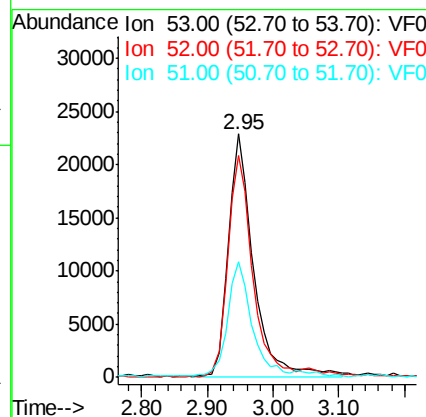
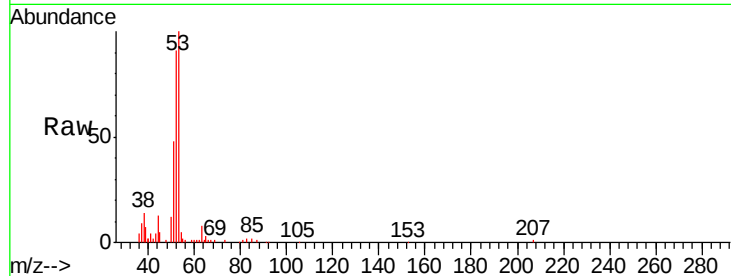
#15
 Acrylonitrile
 Concen: 332.99 ug/l
 RT: 2.95 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)MS

Tgt Ion	Ratio	Lower	Upper
53	100		
52	91.1	68.8	103.2
51	47.7	36.7	55.1

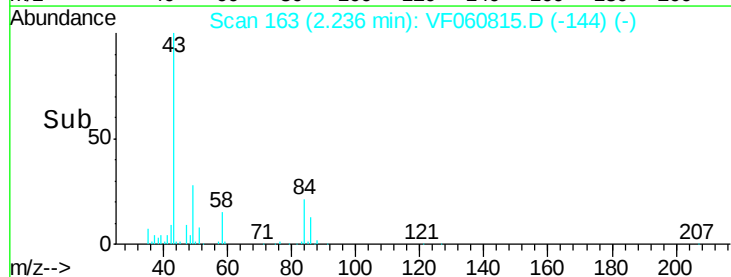
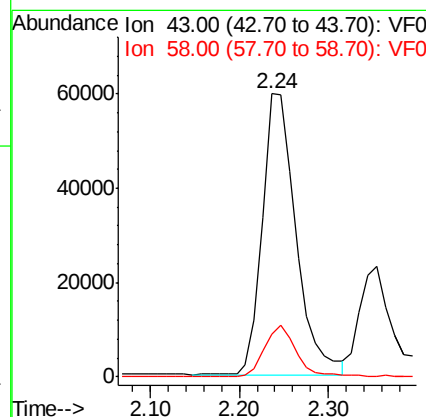
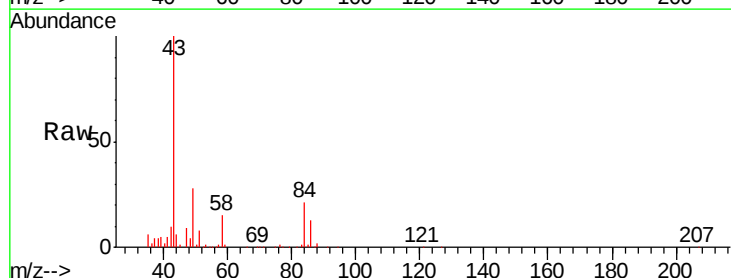
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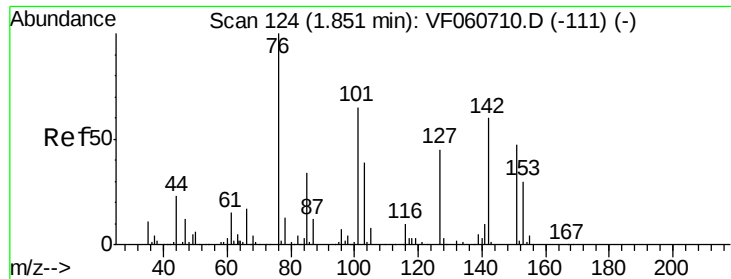
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#16
 Acetone
 Concen: 378.57 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	15.0	11.6	17.4





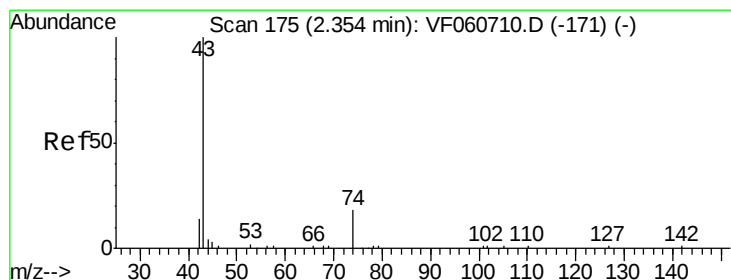
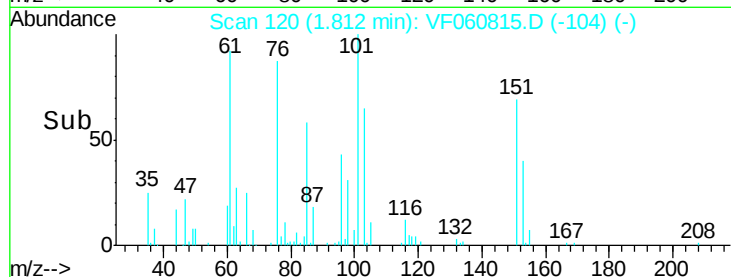
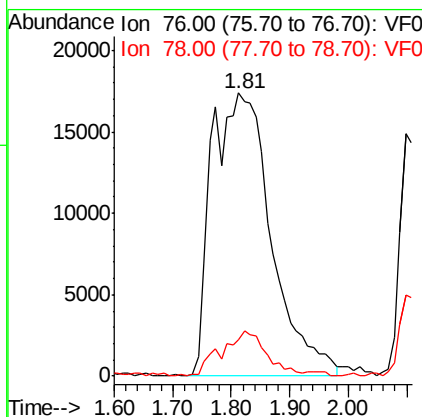
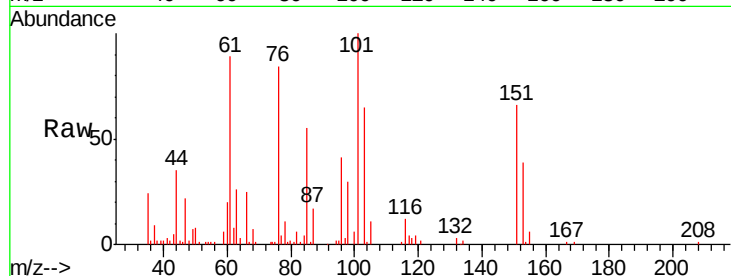
#17
Carbon Disulfide
Concen: 29.67 ug/l m
RT: 1.81 min Scan# 120
Delta R.T. -0.04 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MS

Tgt Ion: 76 Resp: 123660
Ion Ratio Lower Upper
76 100
78 12.7 10.5 15.7

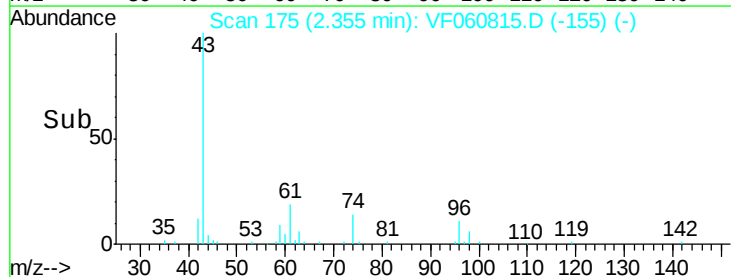
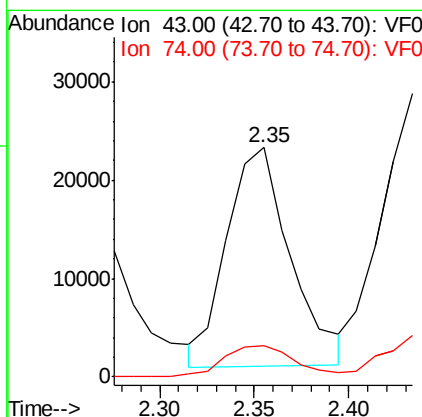
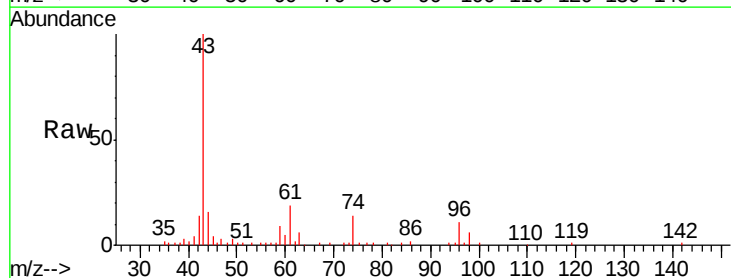
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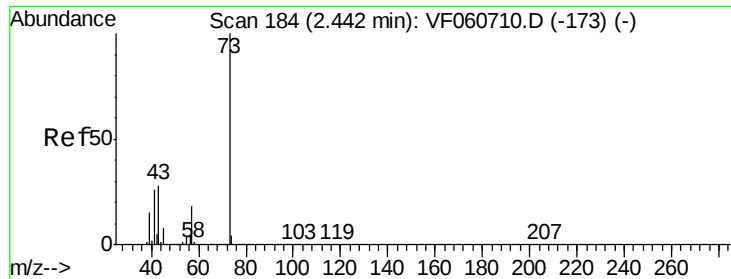
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#18
Methyl Acetate
Concen: 76.99 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion: 43 Resp: 52107
Ion Ratio Lower Upper
43 100
74 13.8 11.8 17.8





#19

Methyl tert-butyl Ether

Concen: 67.79 ug/l

RT: 2.43 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion: 73 Resp: 224310

Ion Ratio Lower Upper

73 100

57 18.7 14.3 21.5

Instrument :

MSVOA_F

ClientSampleId :

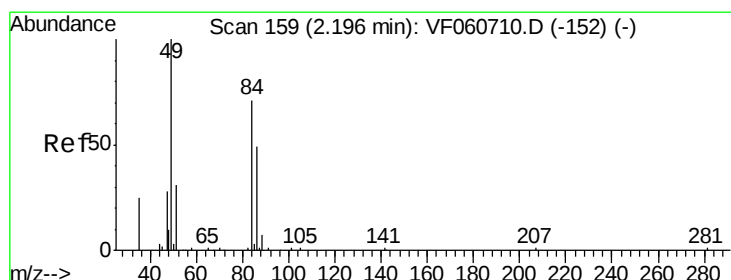
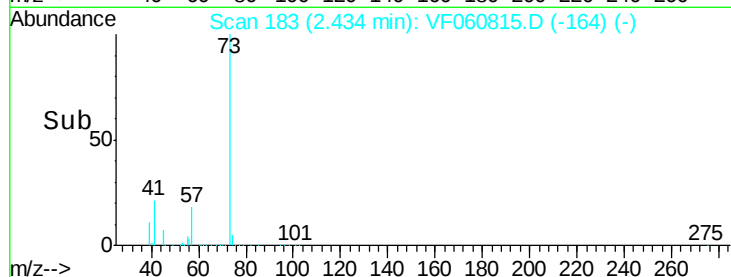
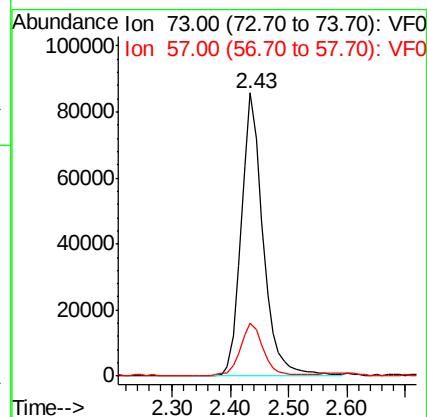
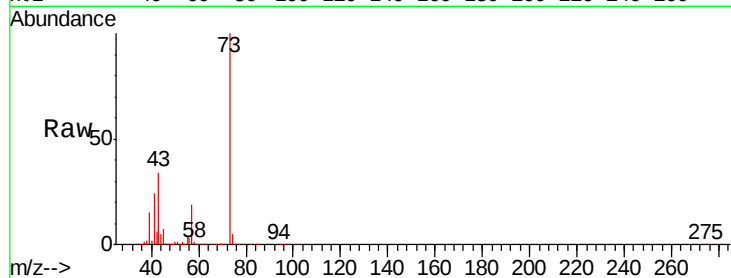
DTW-02(11-13)MS

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#20

Methylene Chloride

Concen: 54.97 ug/l m

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion: 84 Resp: 74906

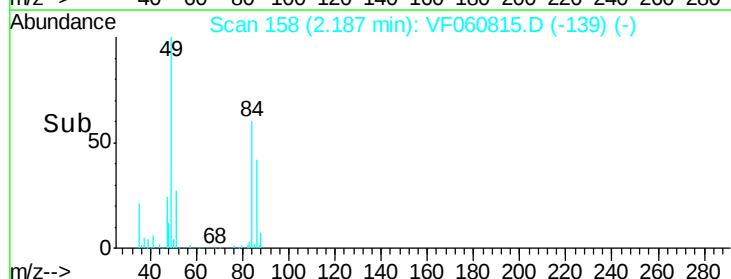
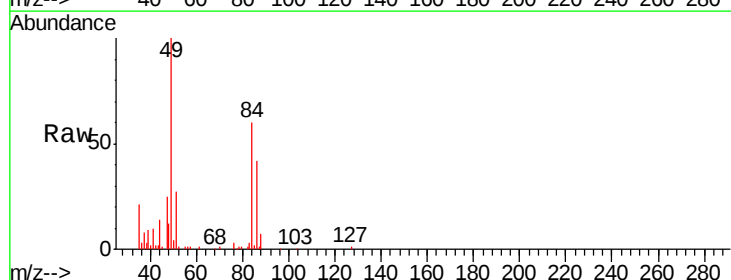
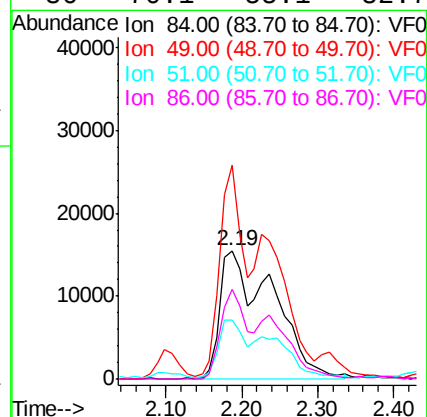
Ion Ratio Lower Upper

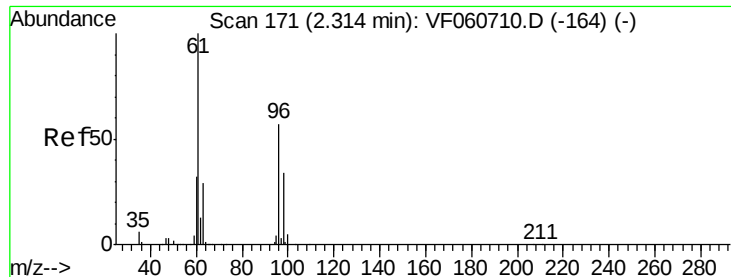
84 100

49 166.2 120.2 180.4

51 45.4 37.2 55.8

86 70.1 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 41.46 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

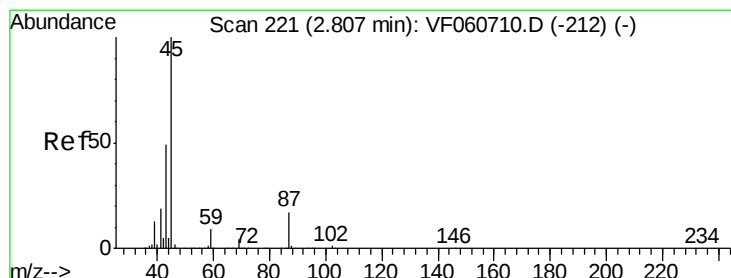
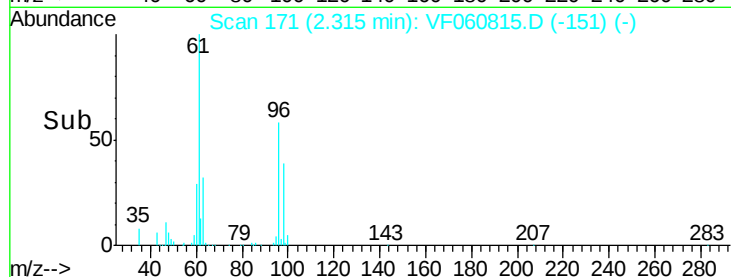
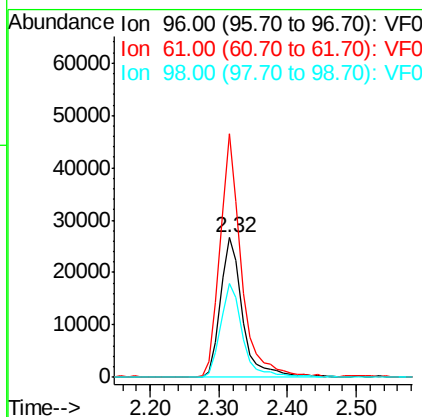
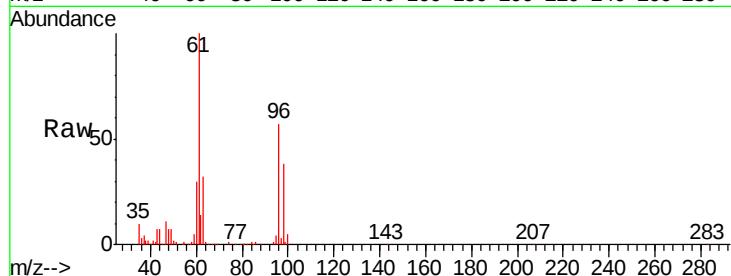
ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:	96	Resp:	59749
Ion	Ratio	Lower	Upper
96	100		
61	174.3	141.6	212.4
98	67.0	47.4	71.0

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#22

Diisopropyl ether

Concen: 67.05 ug/l

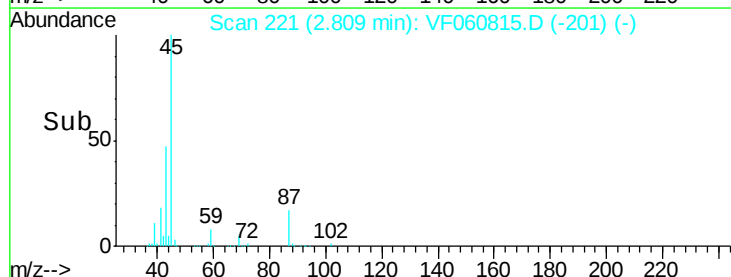
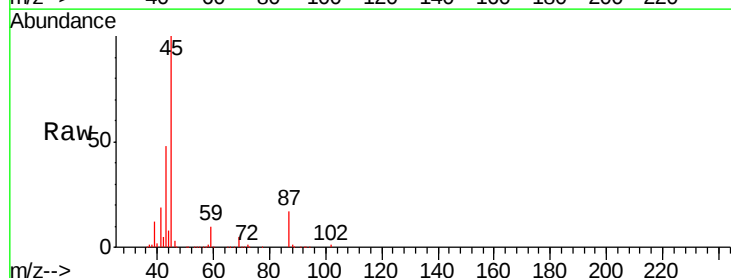
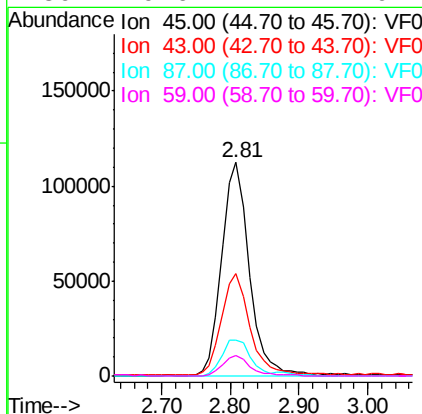
RT: 2.81 min Scan# 221

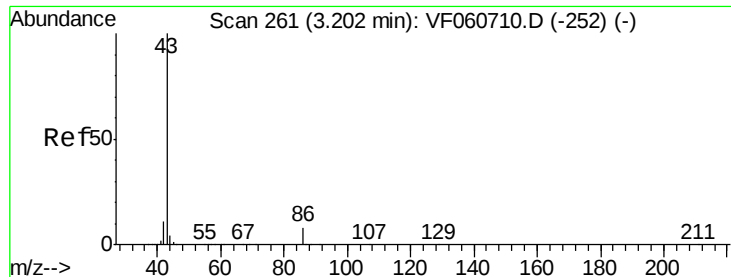
Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion:	45	Resp:	312777
Ion	Ratio	Lower	Upper
45	100		
43	47.9	39.9	59.9
87	16.8	13.9	20.9
59	9.6	7.1	10.7





#23

Vinyl Acetate

Concen: 268.45 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion: 43 Resp: 589689

Ion Ratio Lower Upper

43 100

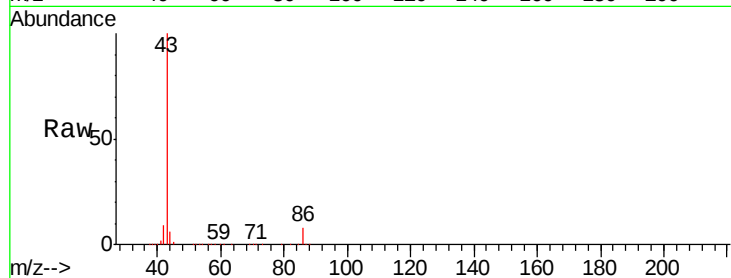
86 7.6 6.4 9.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

250000

200000

150000

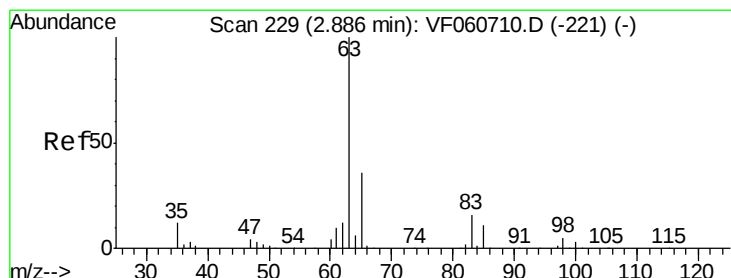
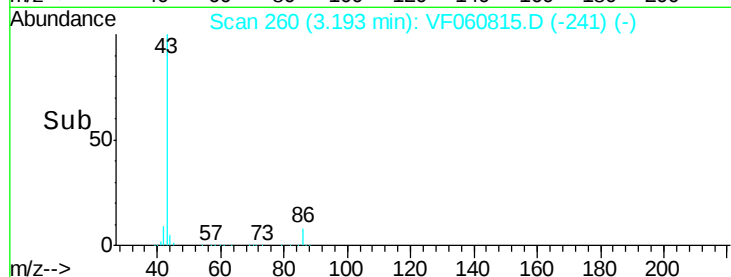
100000

50000

0

3.00 3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 61.76 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

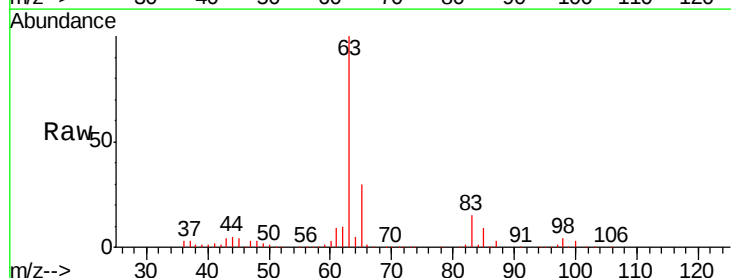
Tgt Ion: 63 Resp: 174413

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.1

100 3.0 1.4 4.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

80000

60000

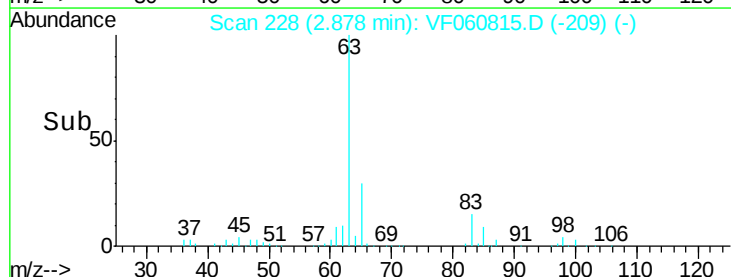
40000

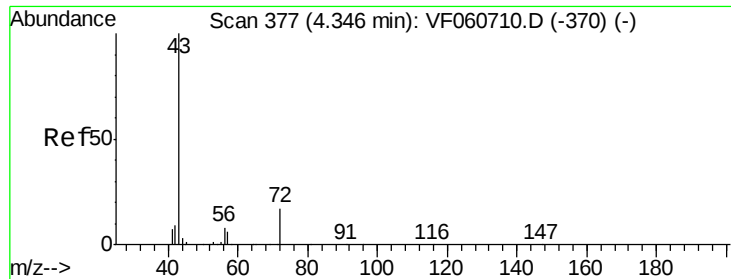
20000

0

2.80 3.00

Time-->





#25

2-Butanone

Concen: 316.41 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion: 43 Resp: 214502

Ion Ratio Lower Upper

43 100

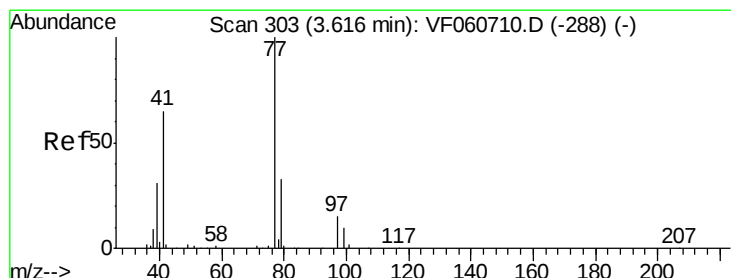
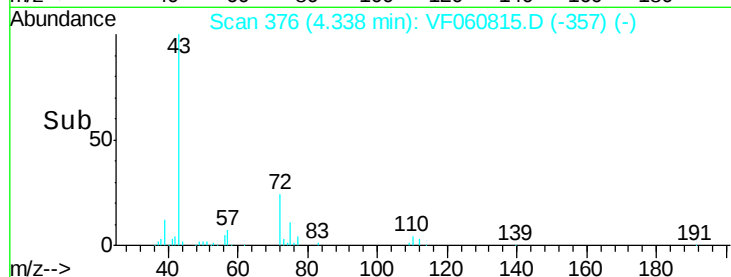
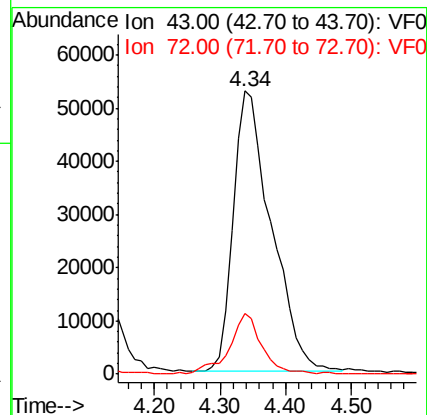
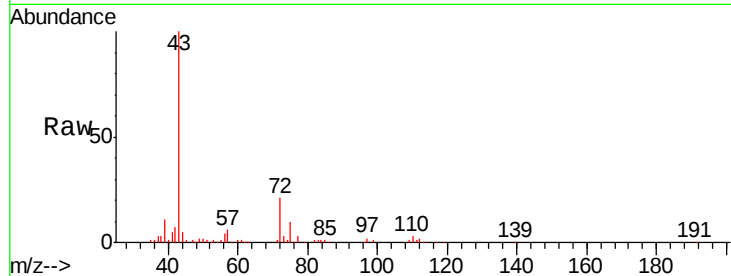
72 21.3 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 53.48 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF060815.D

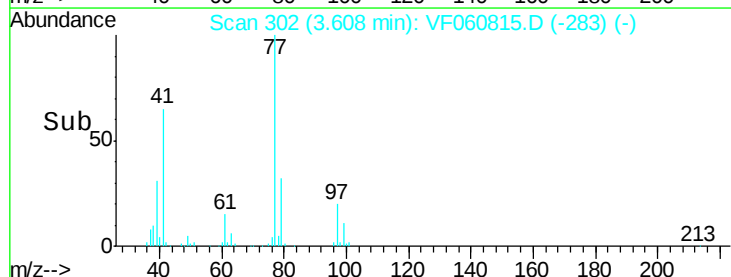
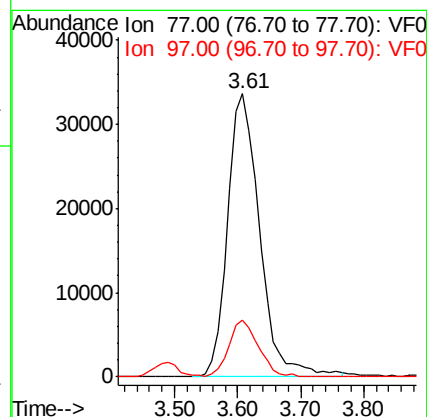
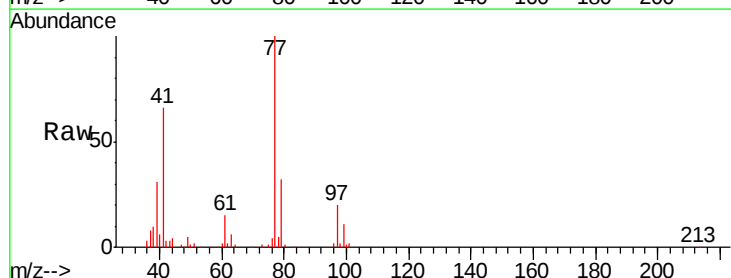
Acq: 20 Nov 2018 21:04

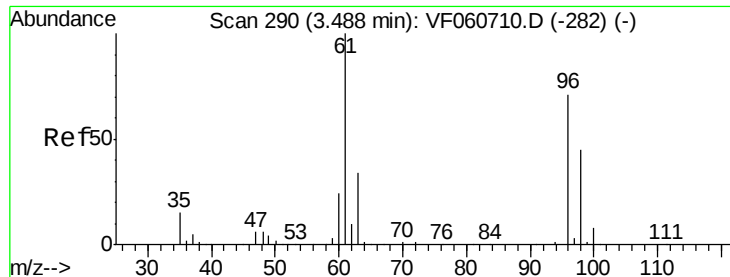
Tgt Ion: 77 Resp: 118858

Ion Ratio Lower Upper

77 100

97 20.1 8.8 26.5





#27

cis-1,2-Dichloroethene

Concen: 47.88 ug/l

RT: 3.49 min Scan# 290

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

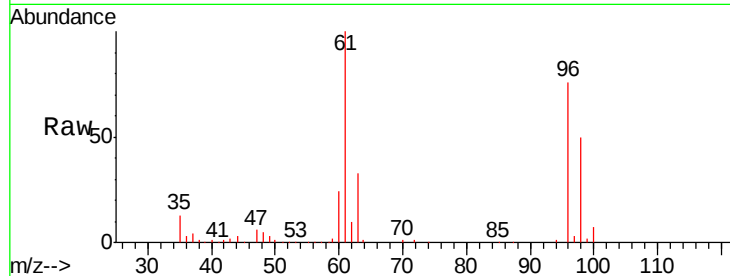
ClientSampleId :

DTW-02(11-13)MS

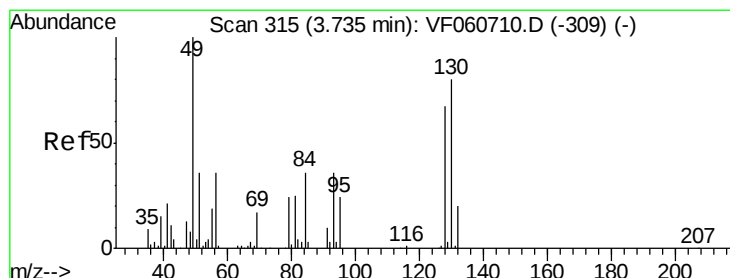
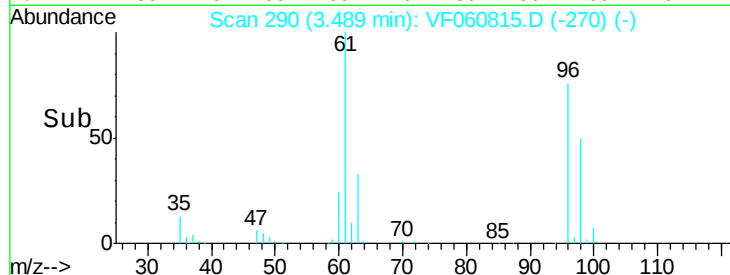
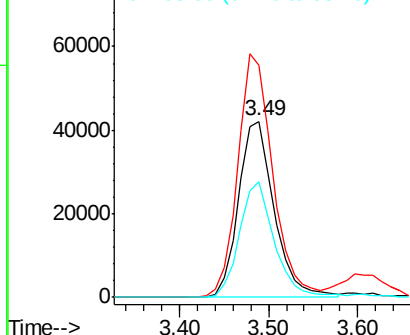
Tgt Ion:	96	Resp:	117377
Ion	Ratio	Lower	Upper
96	100		
61	131.7	0.0	280.6
98	65.5	0.0	127.6

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Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: 49.72 ug/l

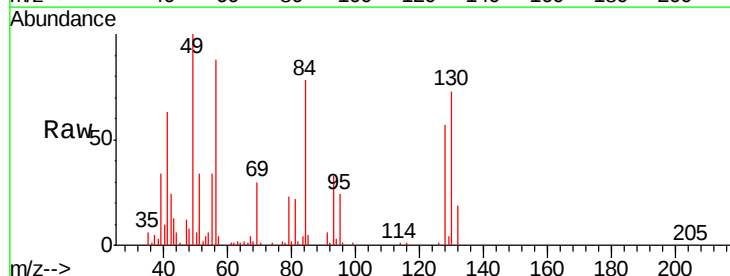
RT: 3.73 min Scan# 314

Delta R.T. -0.01 min

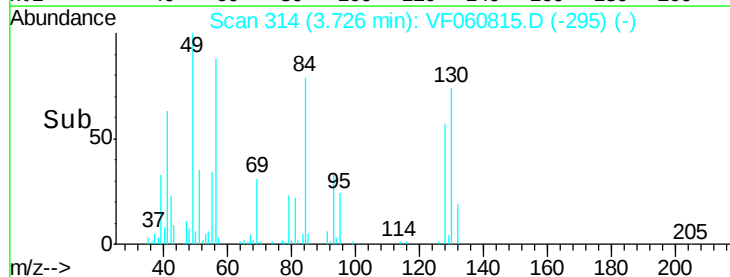
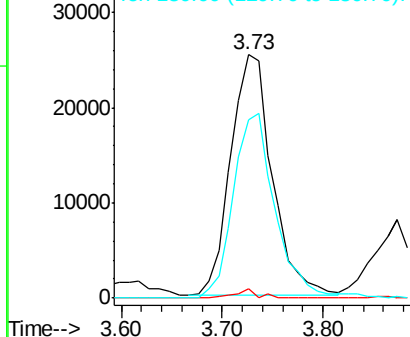
Lab File: VF060815.D

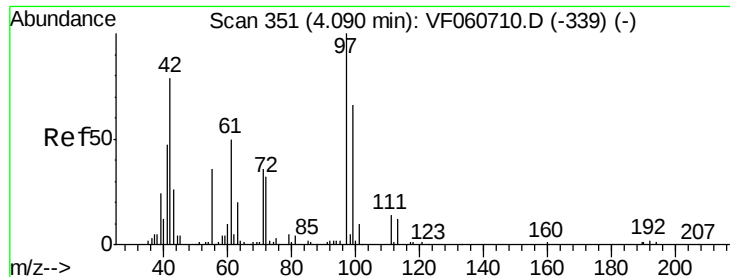
Acq: 20 Nov 2018 21:04

Tgt Ion:	49	Resp:	72976
Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	5.2
130	73.1	63.9	95.9



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 335.74 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

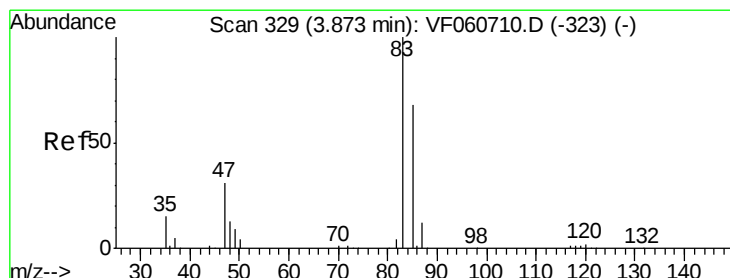
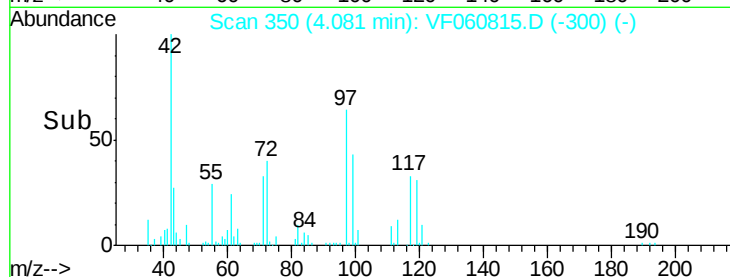
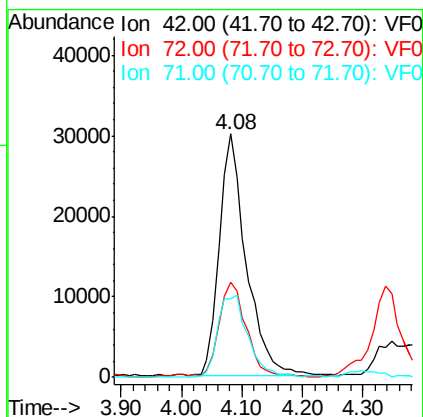
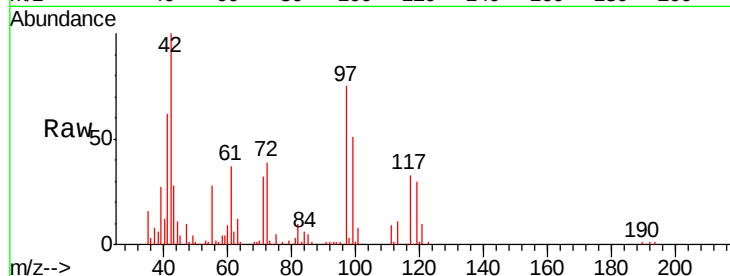
ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:	42	Resp:	93883
Ion Ratio	Lower	Upper	
42	100		
72	39.8	30.3	45.5
71	37.8	32.2	48.2

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#30

Chloroform

Concen: 52.16 ug/l

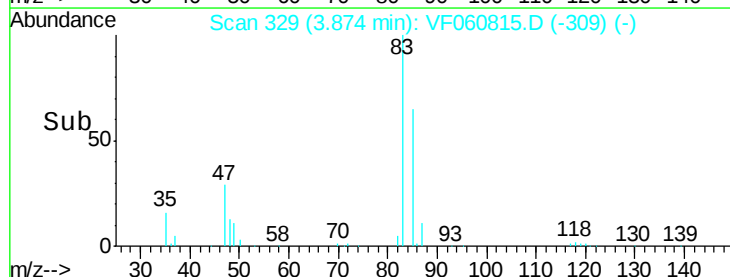
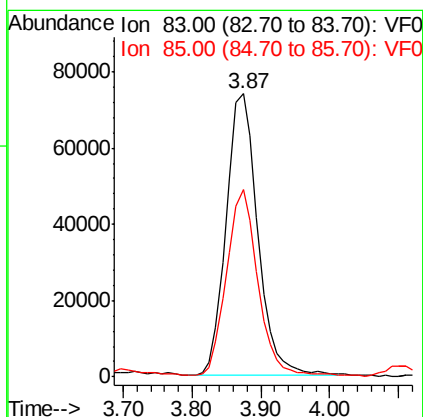
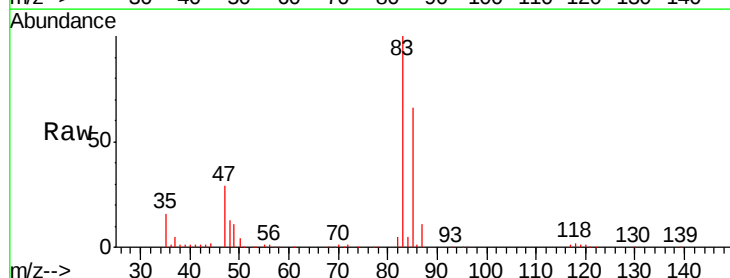
RT: 3.87 min Scan# 329

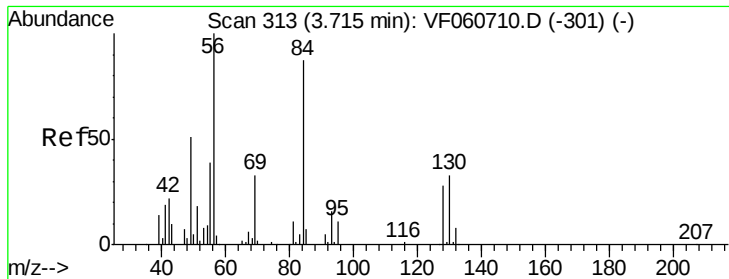
Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion:	83	Resp:	236357
Ion Ratio	Lower	Upper	
83	100		
85	66.0	54.6	82.0





#31

Cyclohexane

Concen: 46.60 ug/l

RT: 3.71 min Scan# 312

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

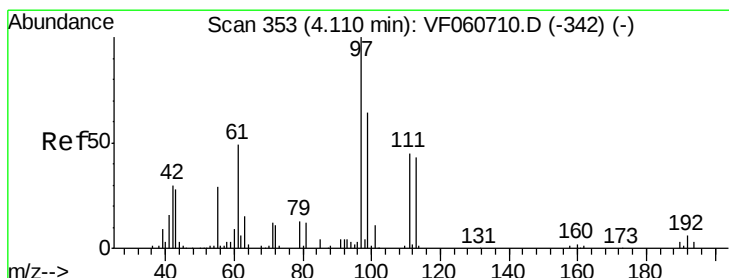
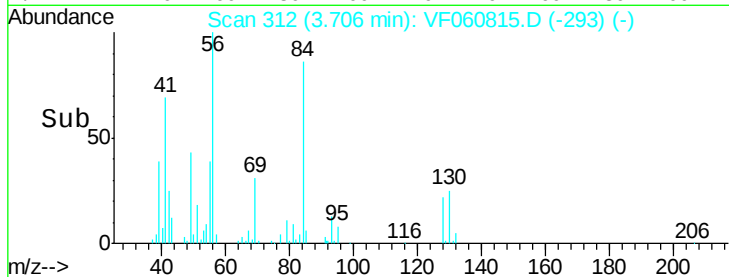
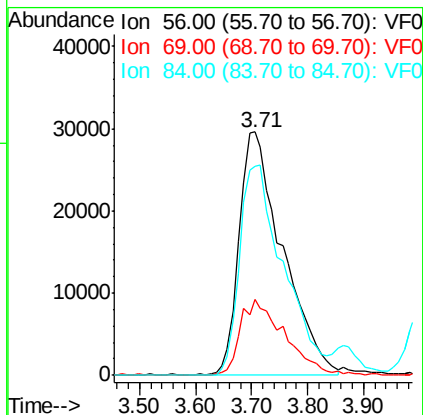
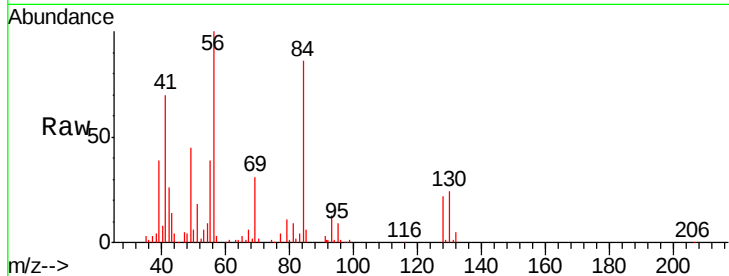
ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:	56	Resp:	159728
Ion	Ratio	Lower	Upper
56	100		
69	31.0	26.0	39.0
84	85.7	69.4	104.2

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#32

1,1,1-Trichloroethane

Concen: 53.12 ug/l

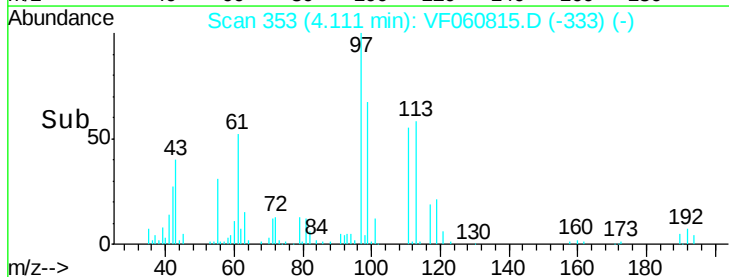
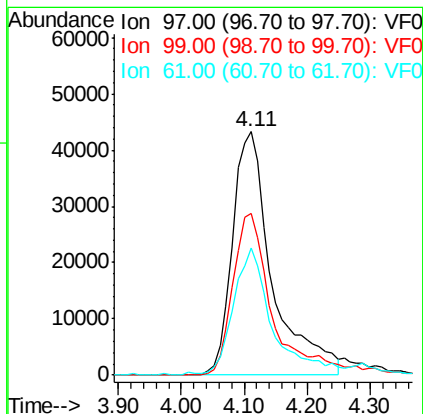
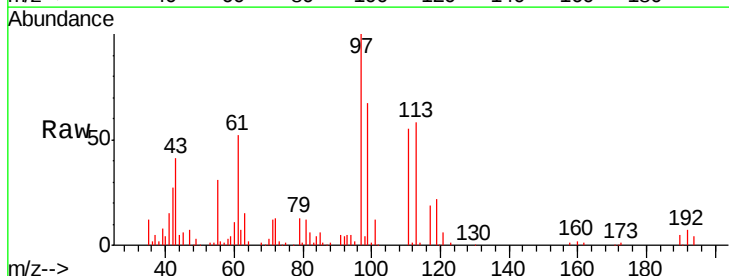
RT: 4.11 min Scan# 353

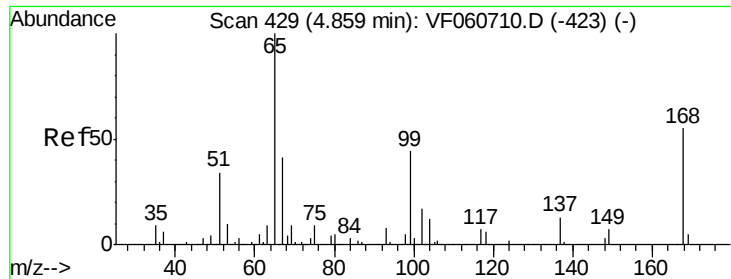
Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion:	97	Resp:	189534
Ion	Ratio	Lower	Upper
97	100		
99	66.5	51.1	76.7
61	52.4	40.1	60.1





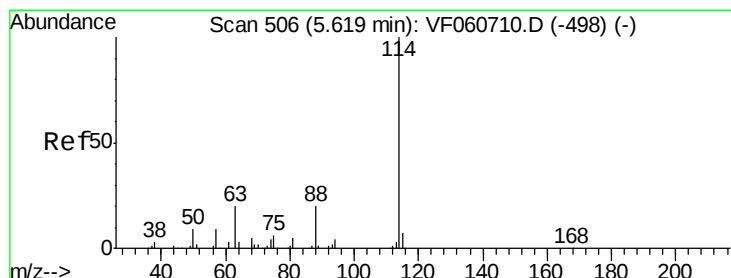
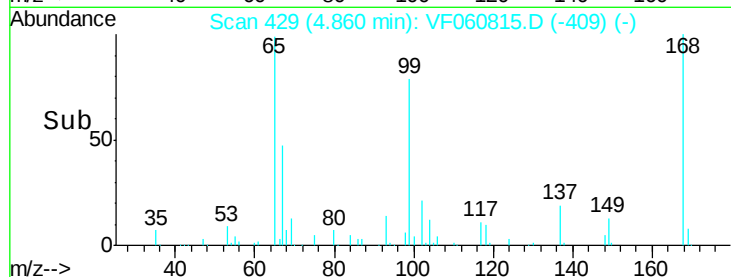
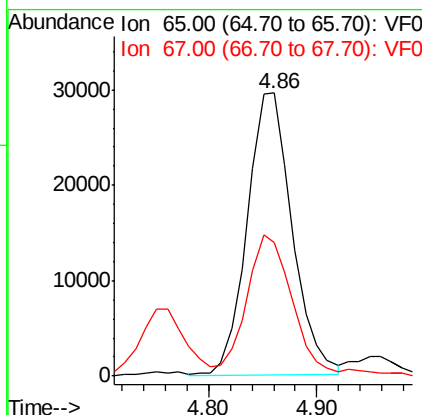
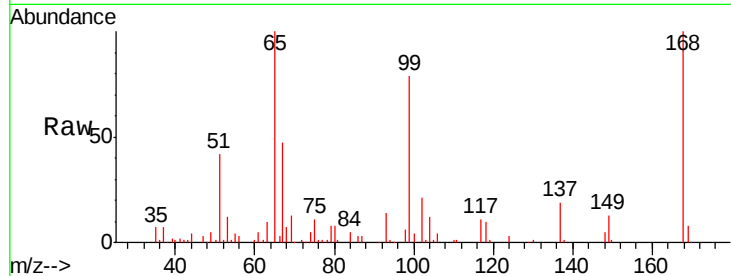
#33
 1,2-Dichloroethane-d4
 Concen: 44.63 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)MS

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	86068		
67	47.3	0.0	90.2	

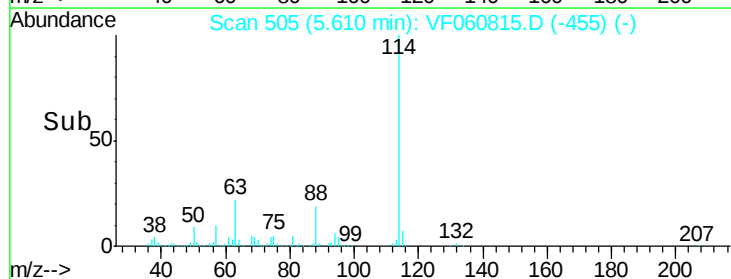
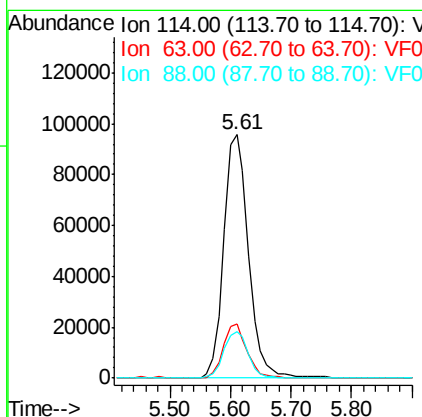
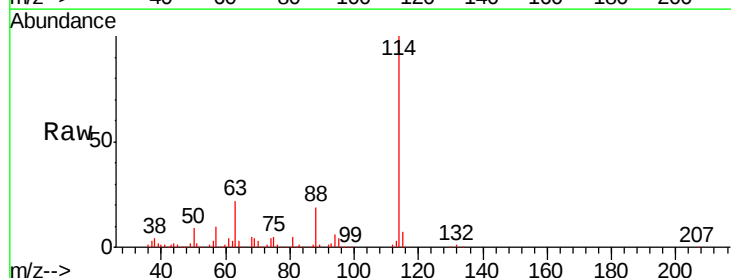
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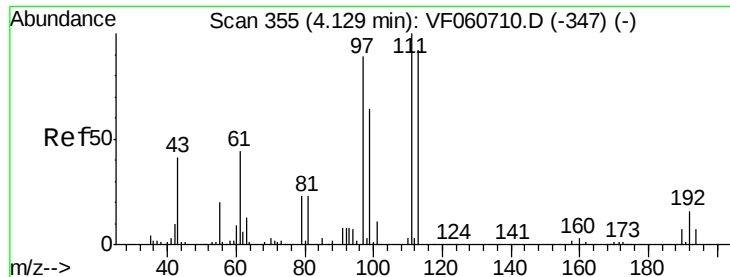
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	272484		
63	22.3	0.0	40.8	
88	19.3	0.0	39.6	





#35

Dibromofluoromethane

Concen: 48.71 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

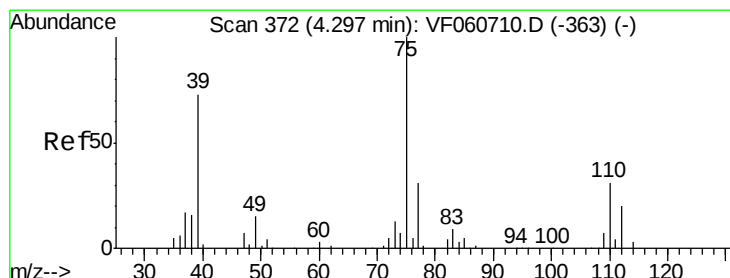
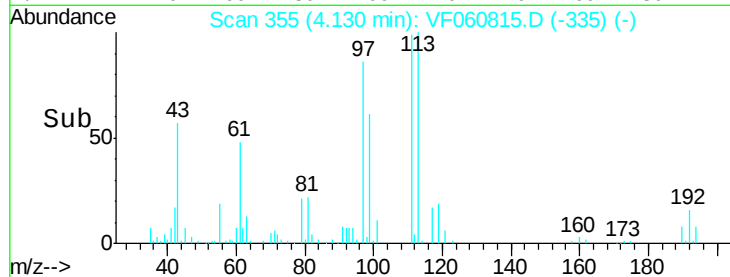
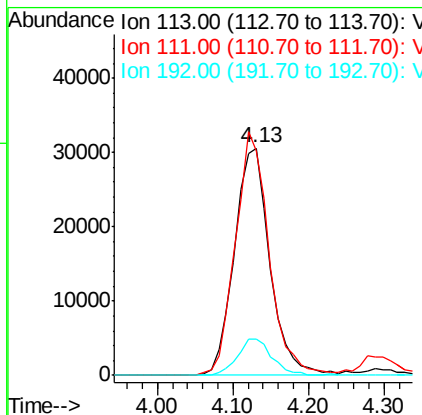
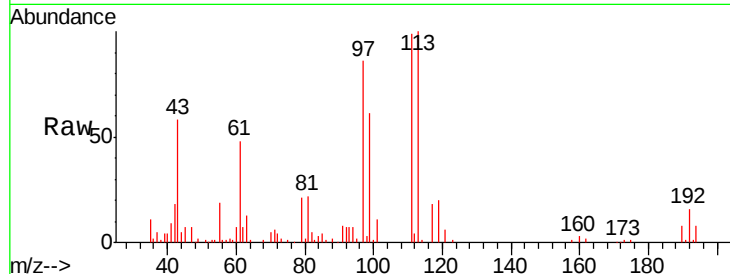
ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:	113	Resp:	99768
Ion	Ratio	Lower	Upper
113	100		
111	98.8	87.1	130.7
192	16.1	13.8	20.6

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#36

1,1-Dichloropropene

Concen: 48.02 ug/l

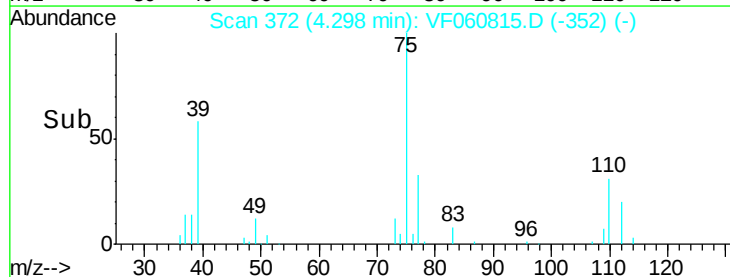
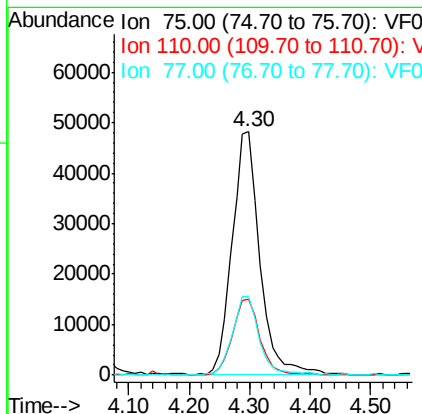
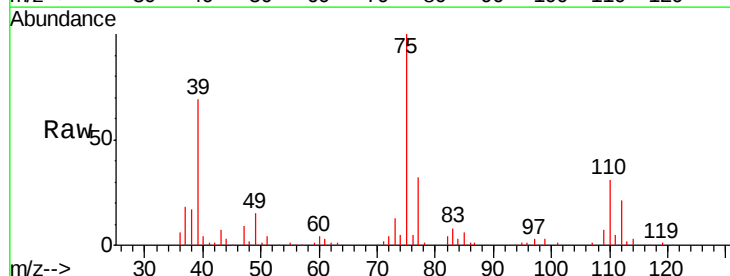
RT: 4.30 min Scan# 372

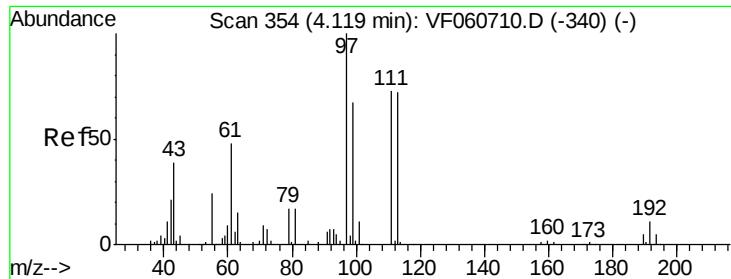
Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion:	75	Resp:	151744
Ion	Ratio	Lower	Upper
75	100		
110	31.2	15.6	46.8
77	32.3	25.0	37.6





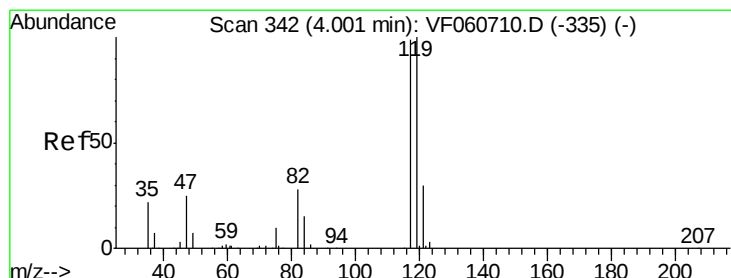
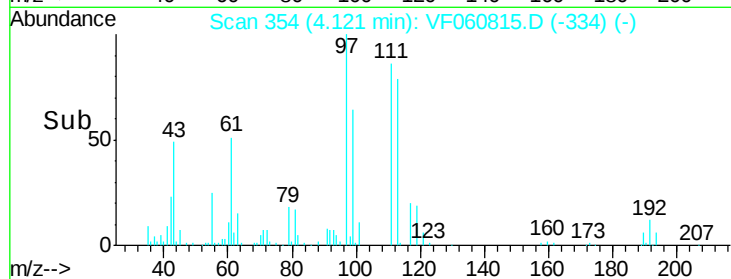
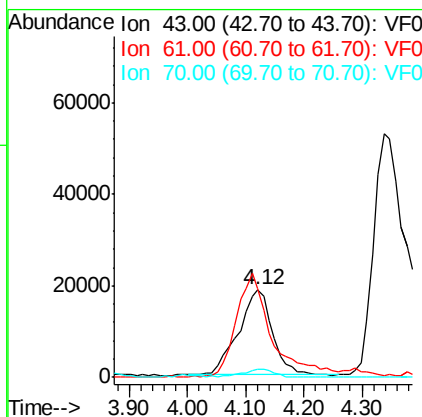
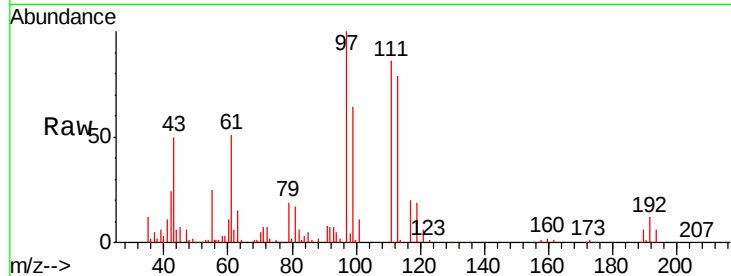
#37
Ethyl Acetate
Concen: 65.12 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	101.7	98.5	147.7
70	10.0	7.4	11.0

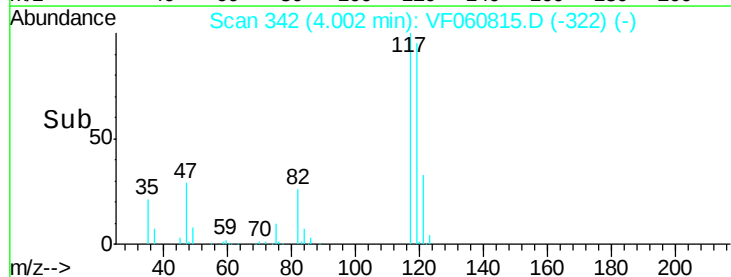
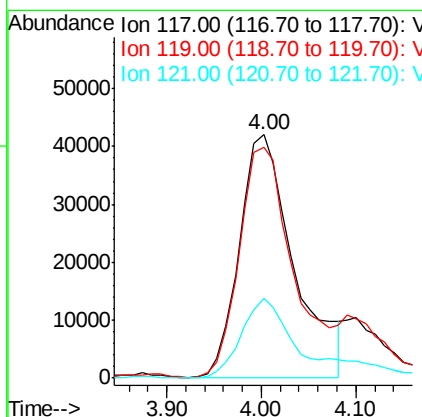
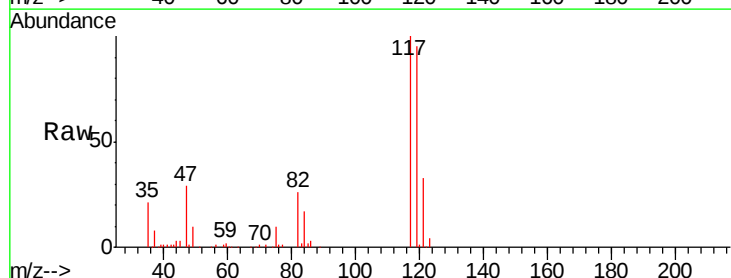
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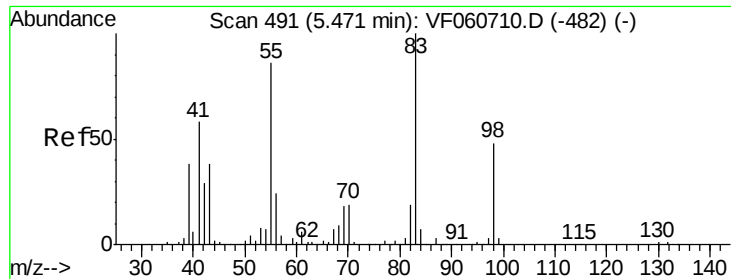
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#38
Carbon Tetrachloride
Concen: 54.88 ug/l
RT: 4.00 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	80.7	121.1
121	32.9	24.3	36.5





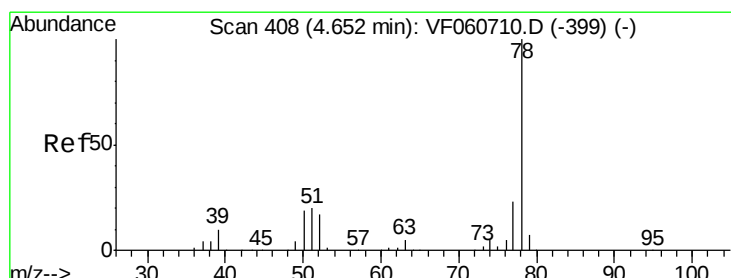
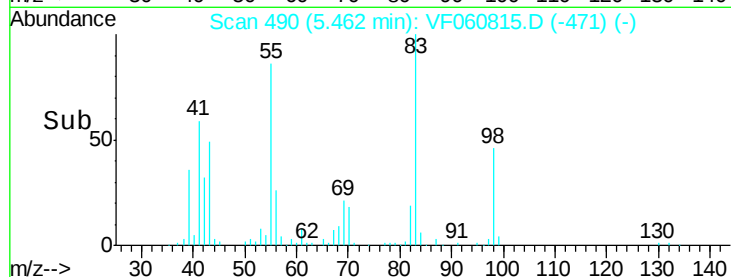
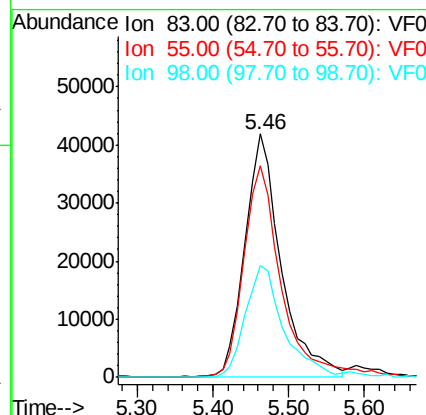
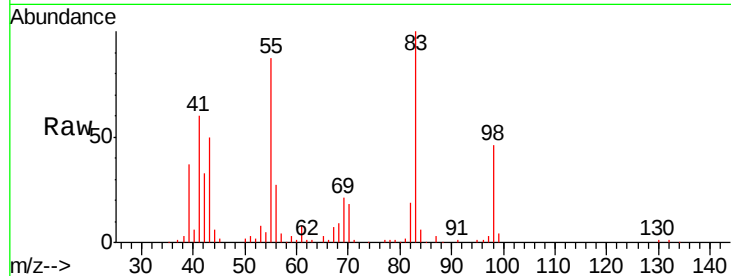
#39
Methylcyclohexane
Concen: 38.13 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MS

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.8	69.0	103.4
98	46.0	38.5	57.7

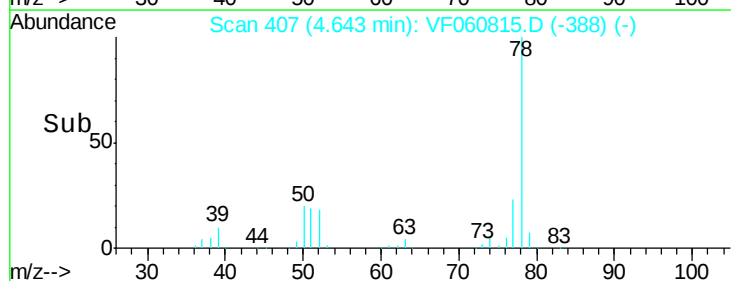
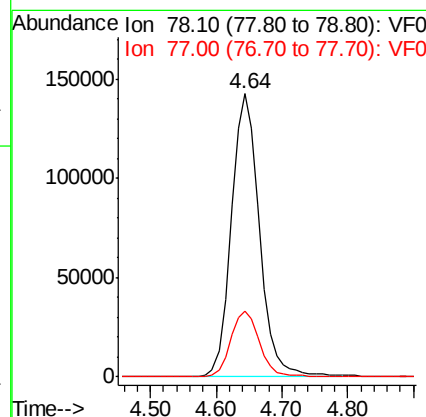
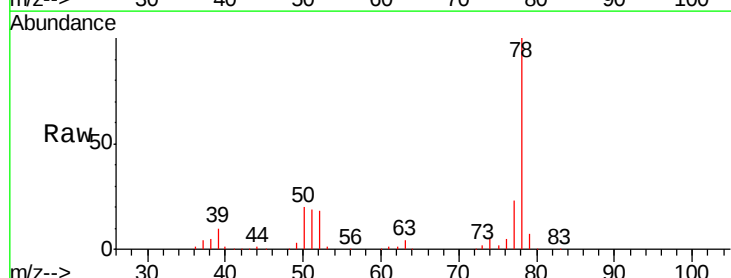
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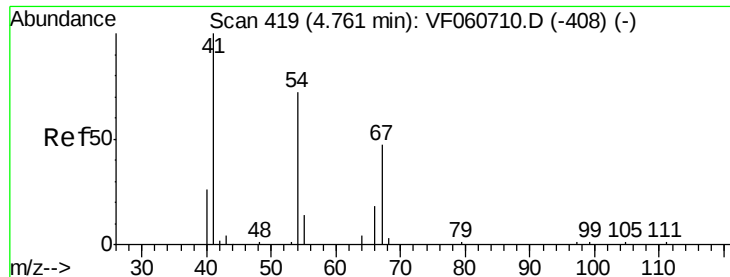
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#40
Benzene
Concen: 60.82 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	28.0





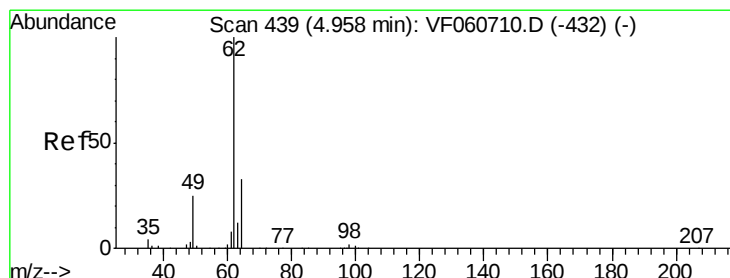
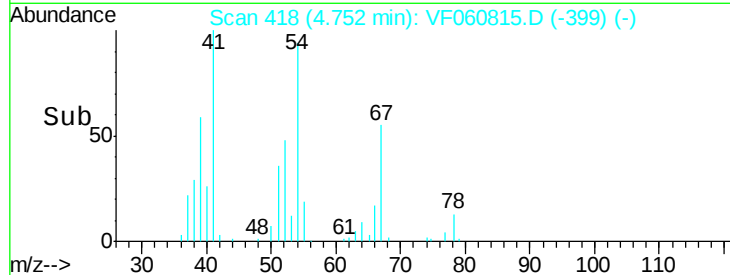
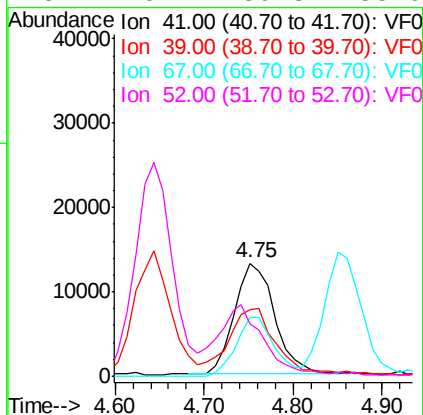
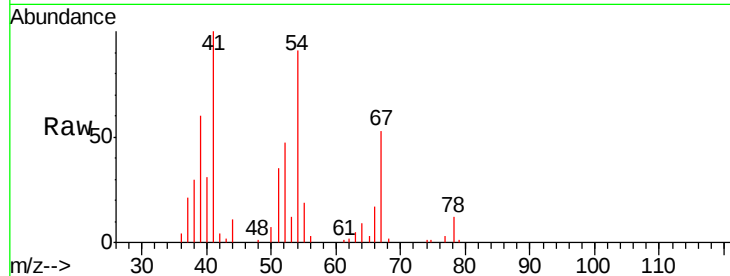
#41
Methacrylonitrile
Concen: 67.38 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MS

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	59.6	47.1	70.7
67	67	52.8	37.1	55.7
52	52	46.7	39.3	58.9

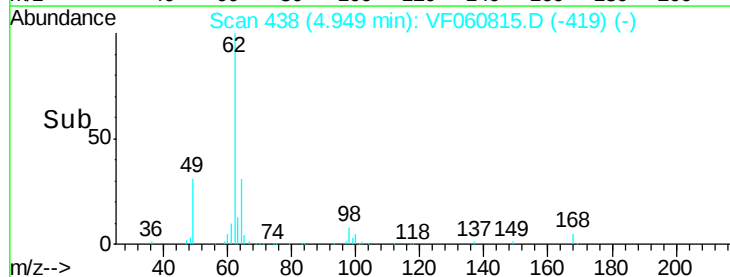
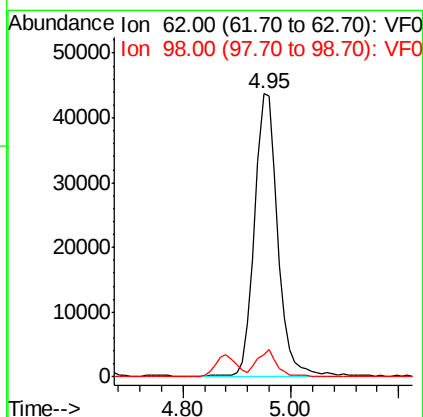
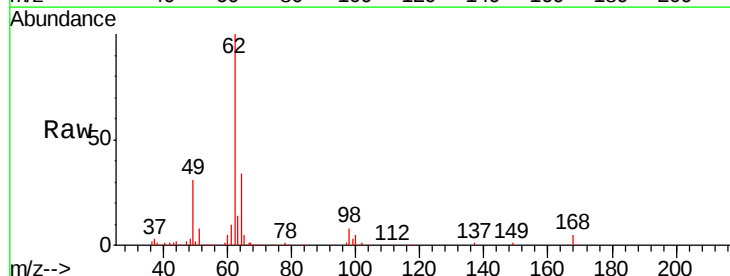
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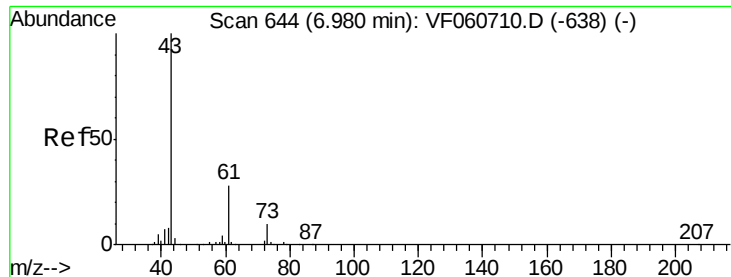
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#42
1,2-Dichloroethane
Concen: 53.87 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	8.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 58.23 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

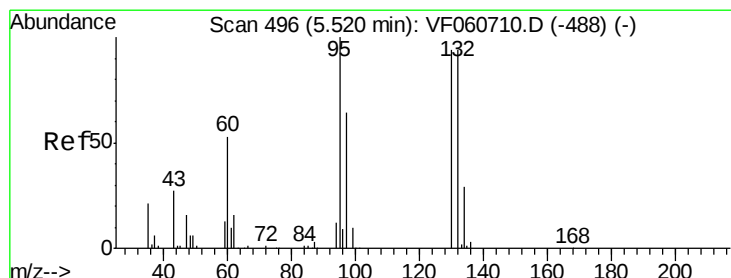
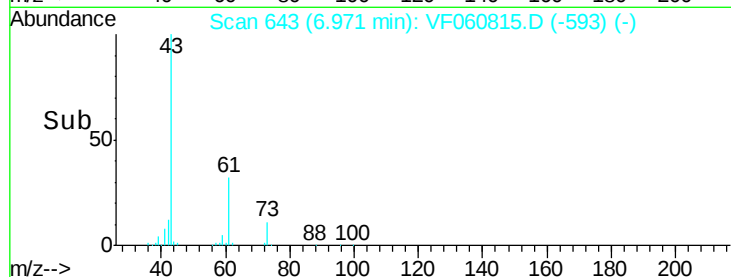
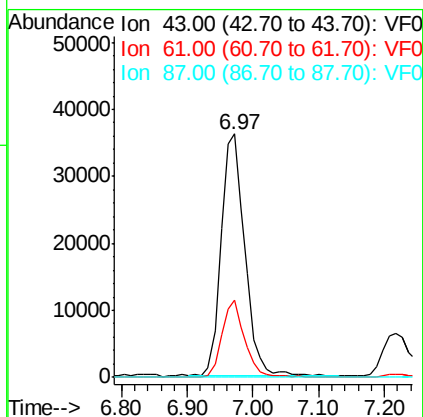
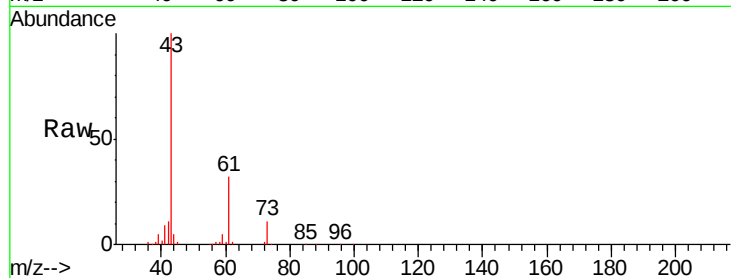
ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:	43	Resp:	90714
Ion Ratio	Lower	Upper	
43	100		
61	31.7	22.2	33.4
87	0.0	0.4	0.6#

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#44

Trichloroethene

Concen: 47.86 ug/l

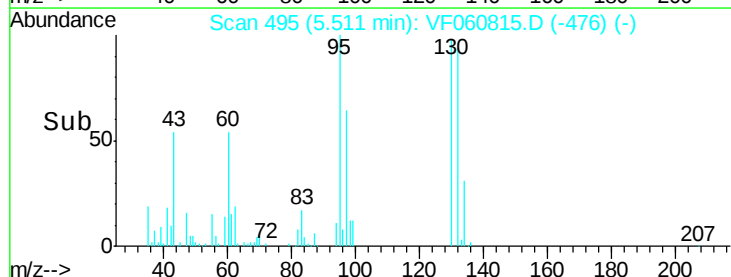
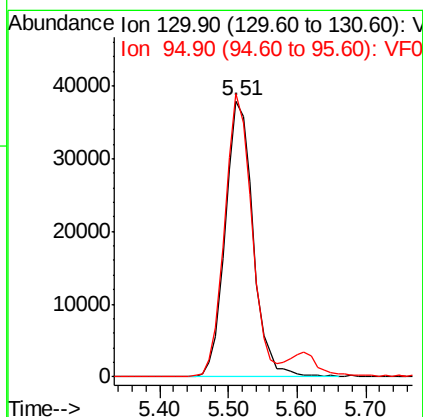
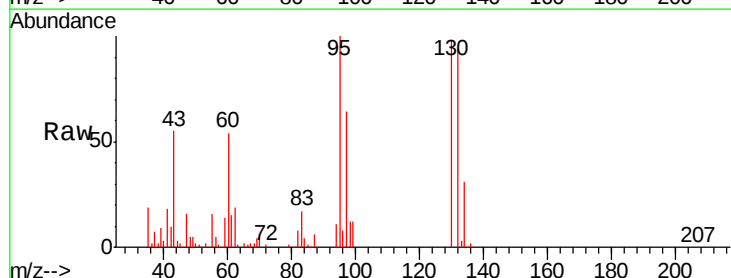
RT: 5.51 min Scan# 495

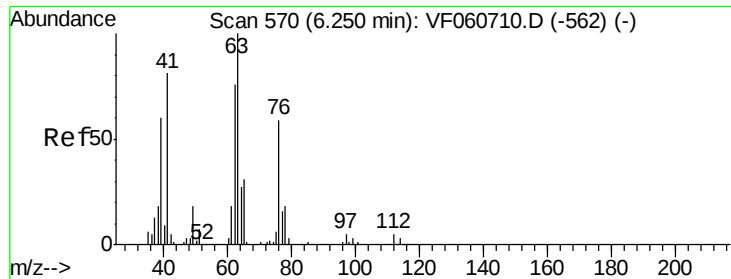
Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion:	130	Resp:	106375
Ion Ratio	Lower	Upper	
130	100		
95	102.5	0.0	212.6





#45

1,2-Dichloropropane

Concen: 61.81 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion: 63 Resp: 113303

Ion Ratio Lower Upper

63 100

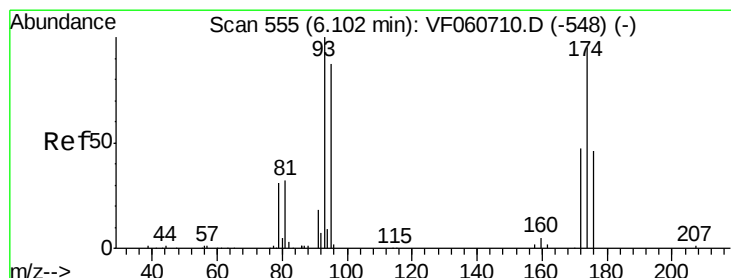
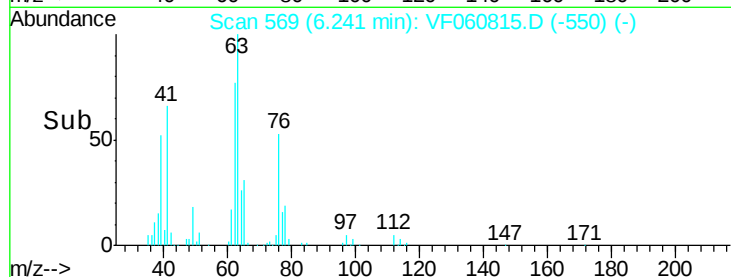
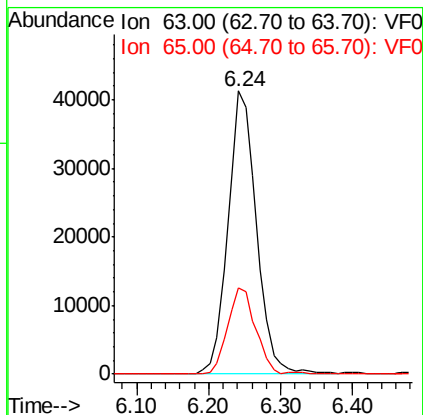
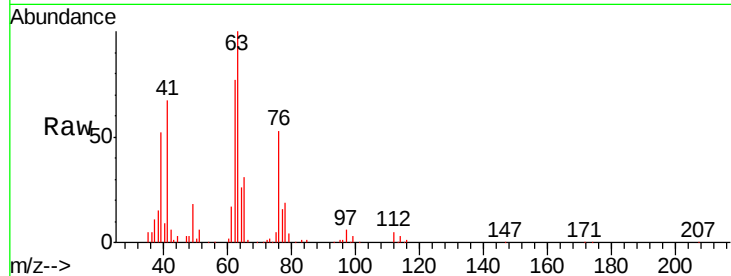
65 30.6 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 49.27 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

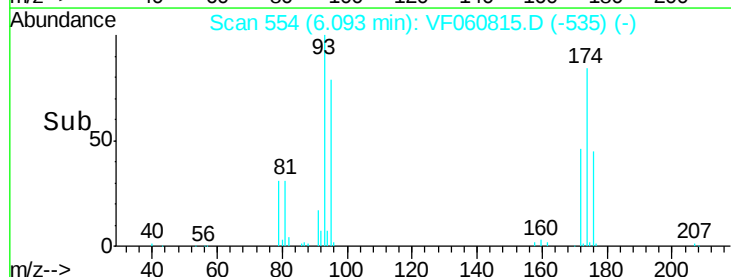
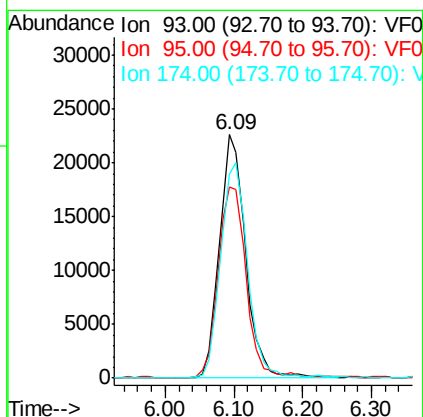
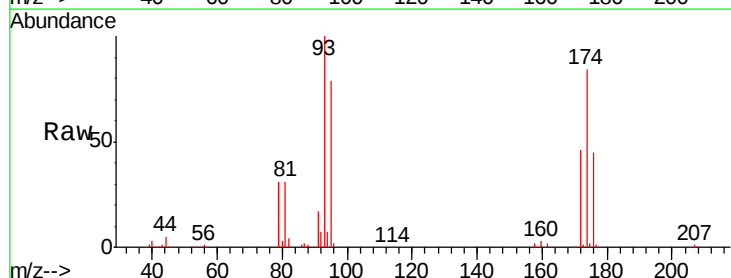
Tgt Ion: 93 Resp: 59616

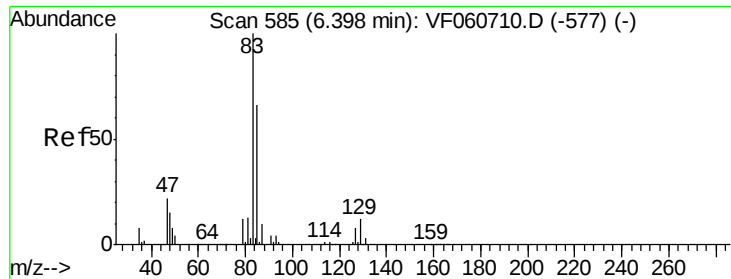
Ion Ratio Lower Upper

93 100

95 78.6 69.5 104.3

174 83.7 76.2 114.2





#47

Bromodichloromethane

Concen: 54.77 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

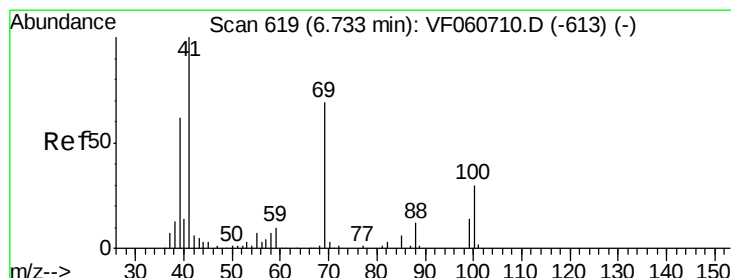
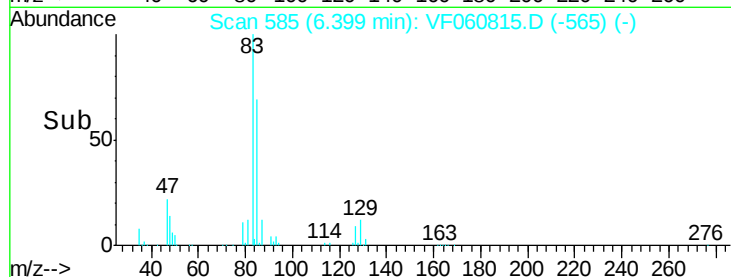
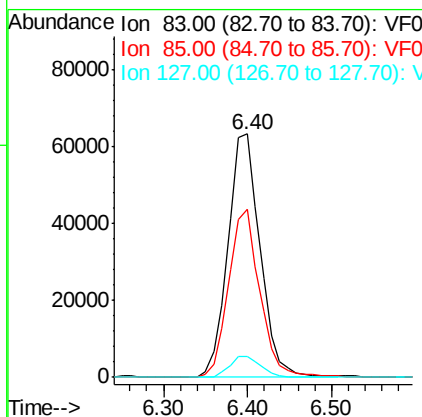
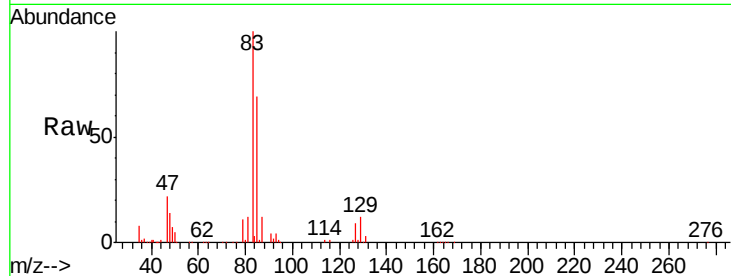
ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:	83	Resp:	169231
Ion Ratio	Lower	Upper	
83	100		
85	68.9	52.4	78.6
127	8.5	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 60.22 ug/l

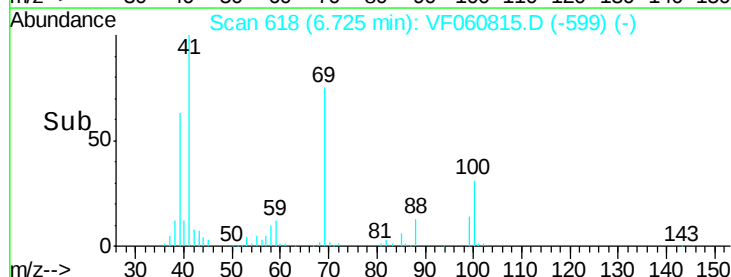
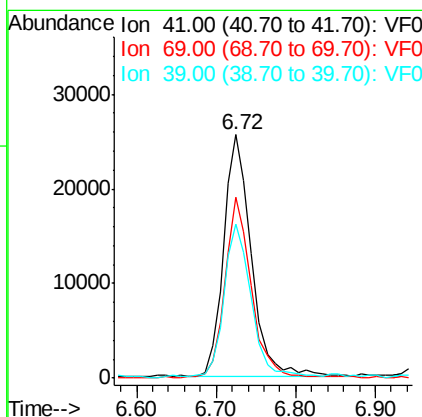
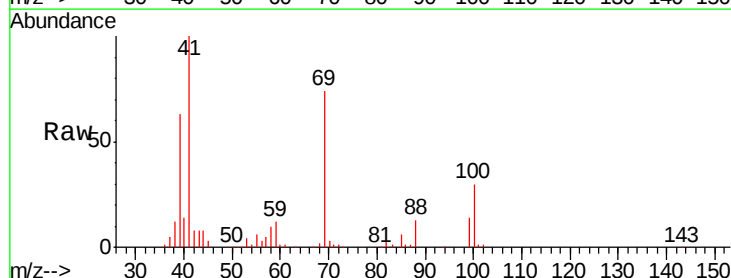
RT: 6.72 min Scan# 618

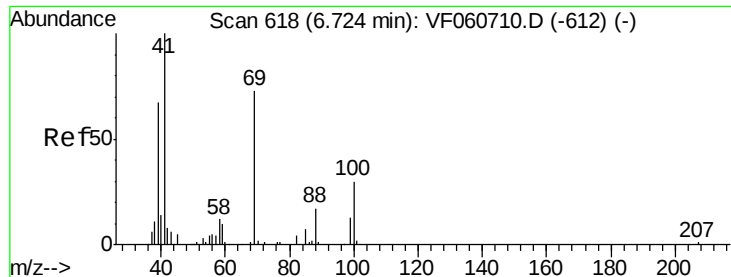
Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion:	41	Resp:	62080
Ion Ratio	Lower	Upper	
41	100		
69	74.2	54.9	82.3
39	63.3	49.6	74.4





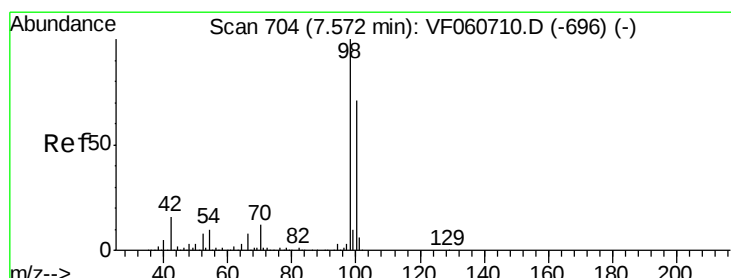
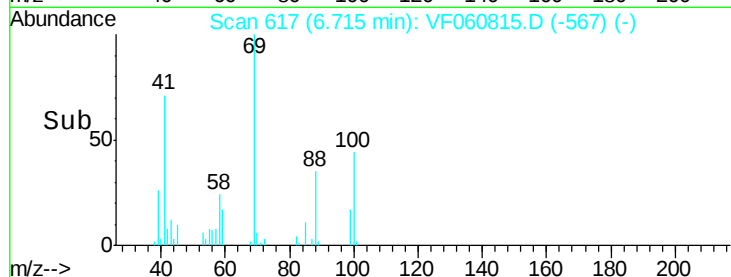
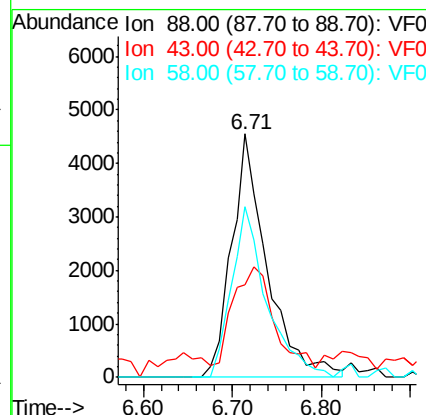
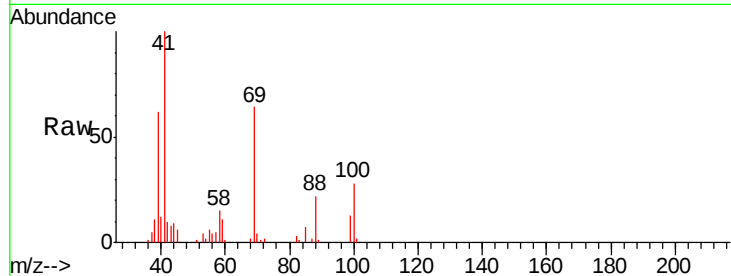
#49
1,4-Dioxane
Concen: 1315.73 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
88	100		
43	38.1	44.6	66.8#
58	69.9	54.5	81.7

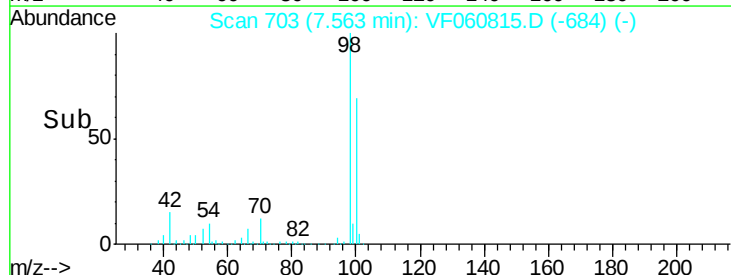
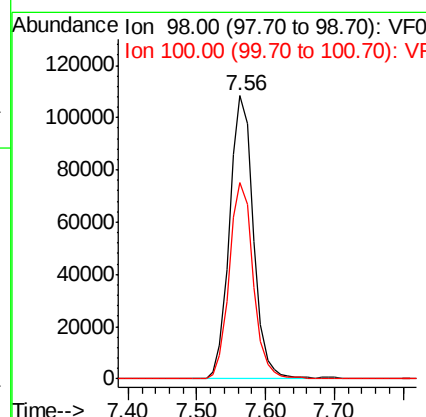
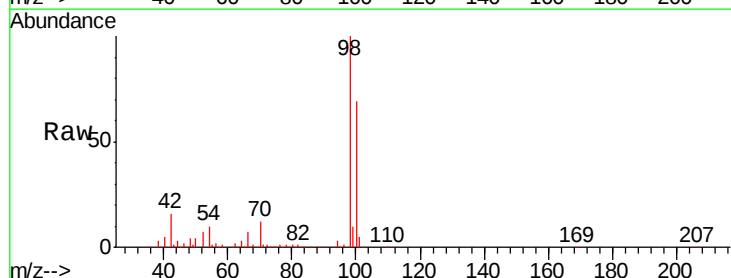
Manual Integrations
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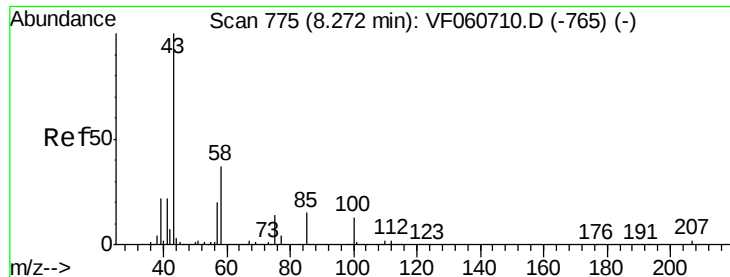
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#50
Toluene-d8
Concen: 49.63 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
98	100		
100	69.3	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 323.40 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion: 43 Resp: 364353

Ion Ratio Lower Upper

43 100

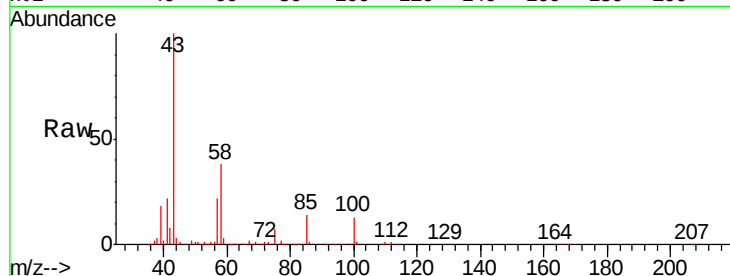
58 38.0 29.2 43.8

Manual Integrations

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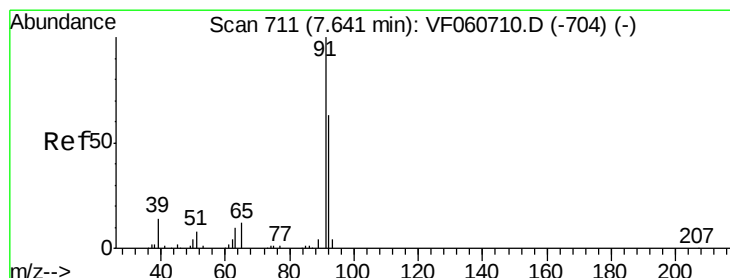
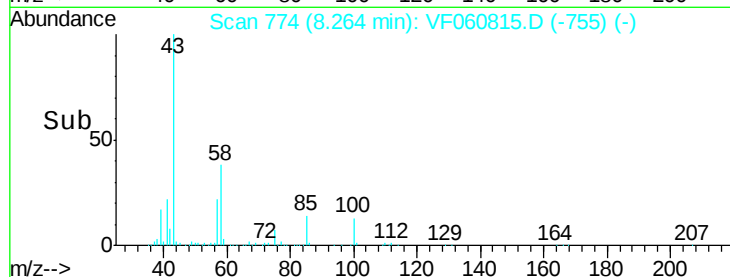
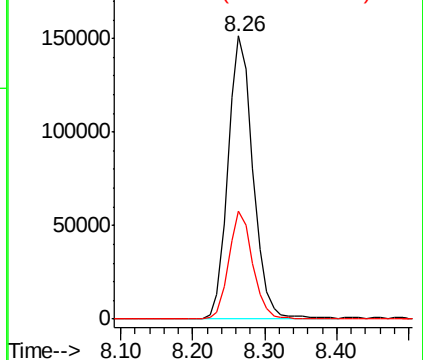
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 51.67 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060815.D

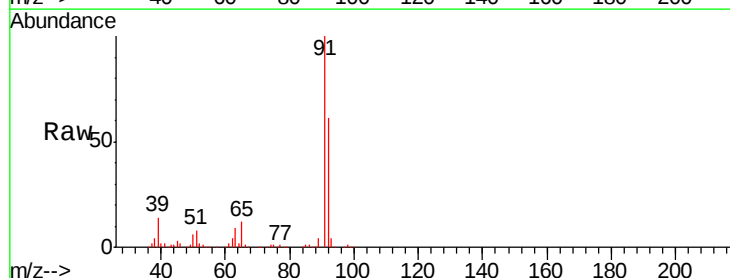
Acq: 20 Nov 2018 21:04

Tgt Ion: 92 Resp: 243937

Ion Ratio Lower Upper

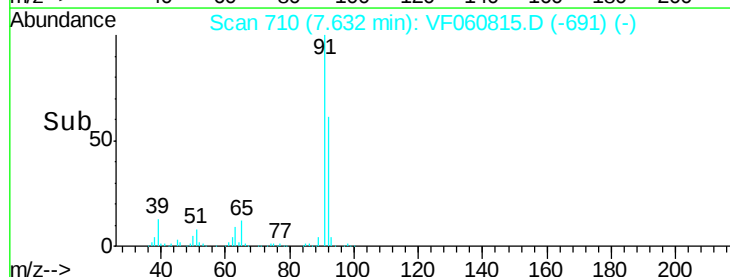
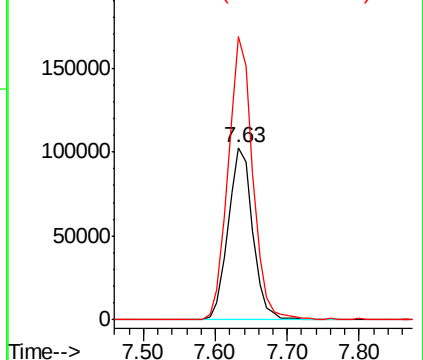
92 100

91 164.3 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 39.58 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion: 75 Resp: 97962

Ion Ratio Lower Upper

75 100

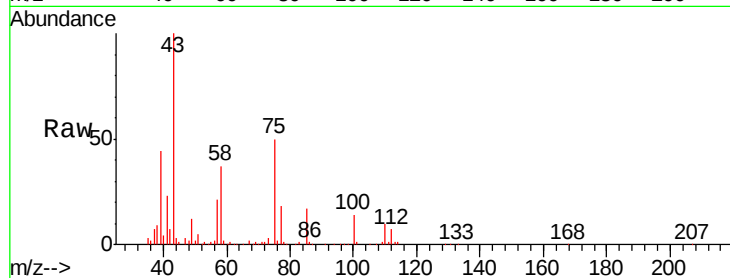
77 36.1 24.6 36.8

Manual Integrations

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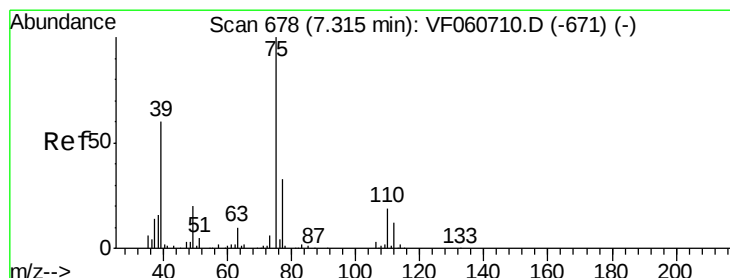
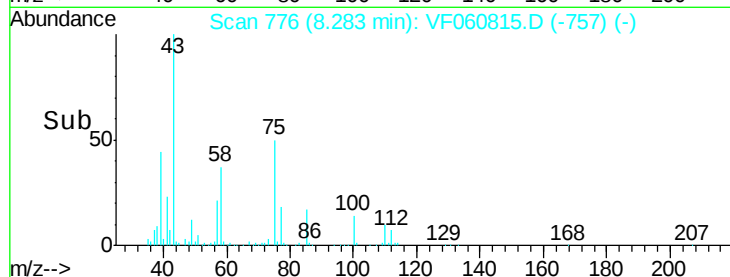
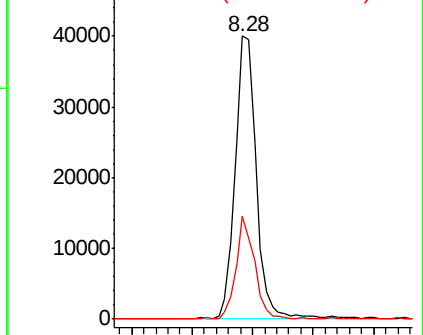
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 45.78 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

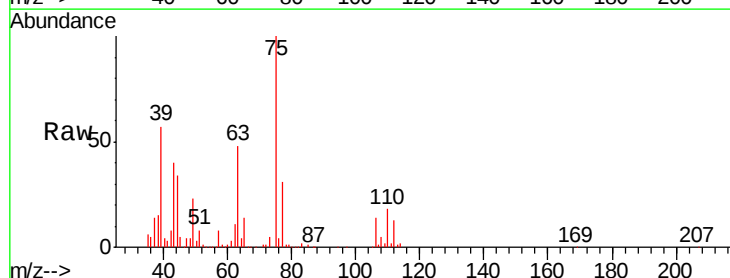
Tgt Ion: 75 Resp: 147157

Ion Ratio Lower Upper

75 100

77 30.8 26.5 39.7

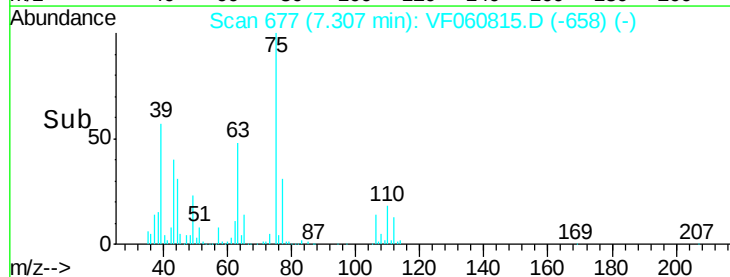
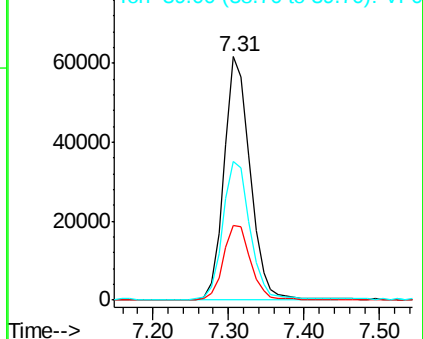
39 57.1 48.5 72.7

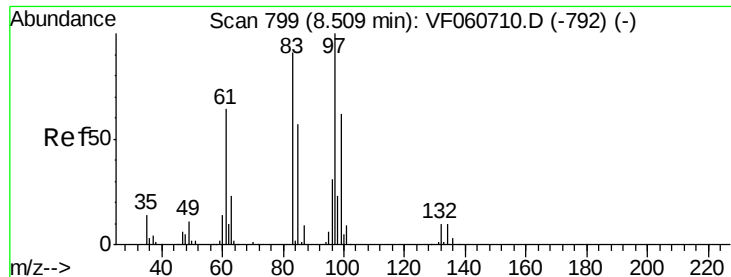


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 56.42 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

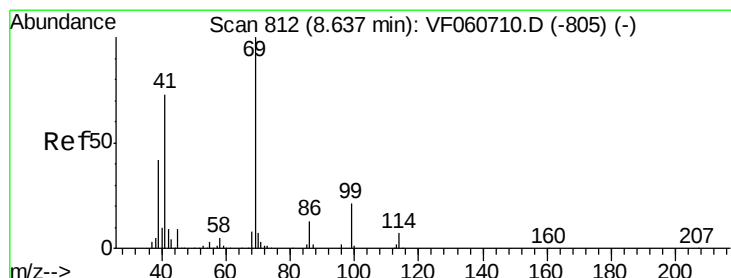
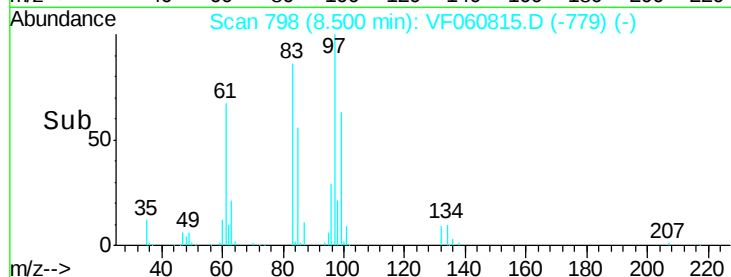
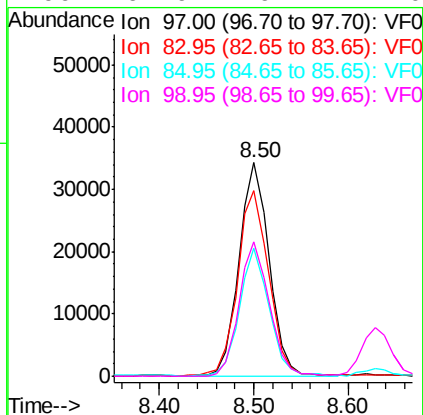
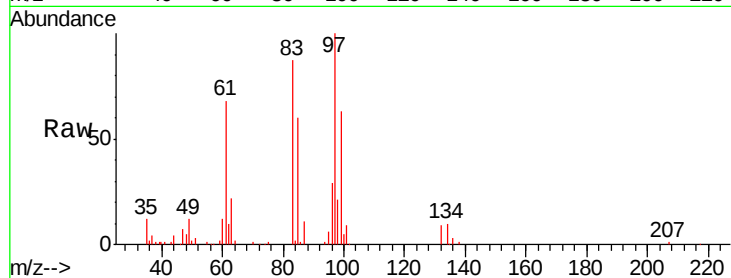
ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:	97	Resp:	76099
Ion	Ratio	Lower	Upper
97	100		
83	86.7	72.8	109.2
85	59.7	45.8	68.6
99	62.9	49.4	74.0

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#56

Ethyl methacrylate

Concen: 59.76 ug/l

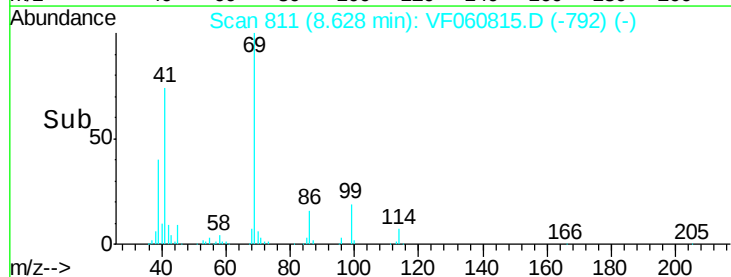
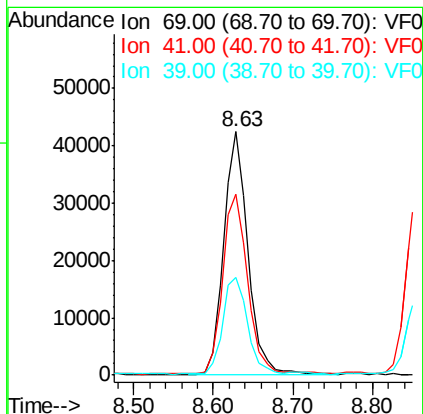
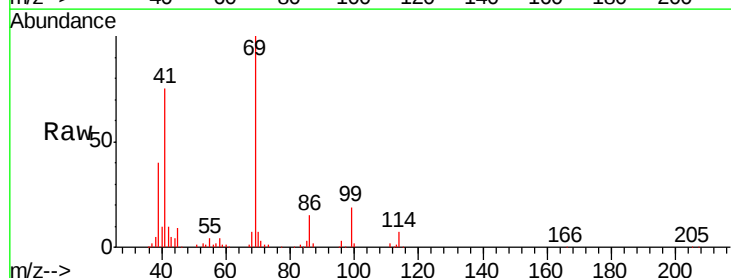
RT: 8.63 min Scan# 811

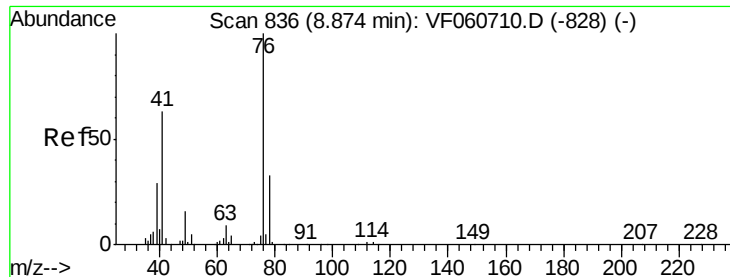
Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion:	69	Resp:	91540
Ion	Ratio	Lower	Upper
69	100		
41	74.5	59.0	88.6
39	40.4	34.0	51.0





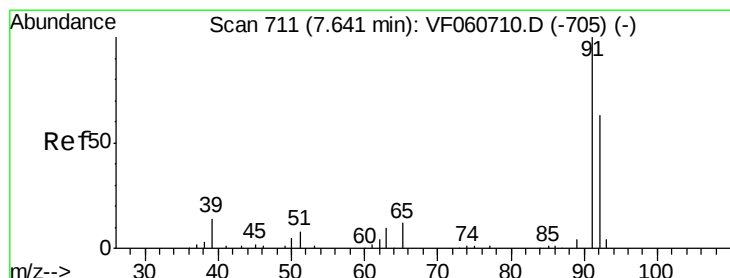
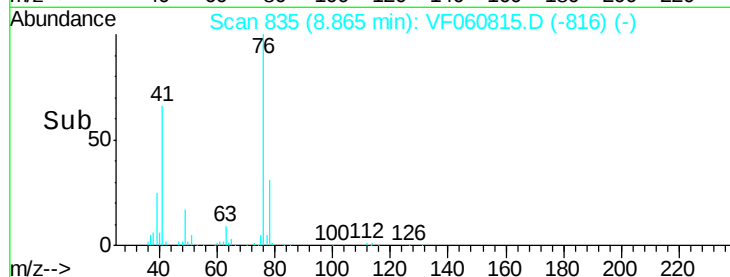
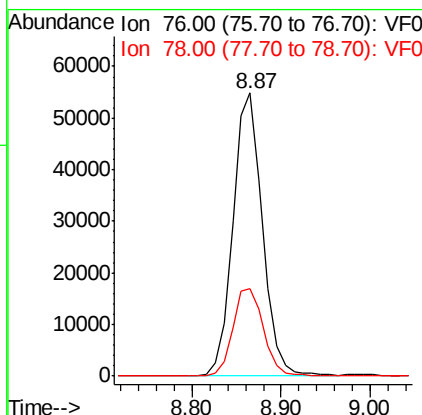
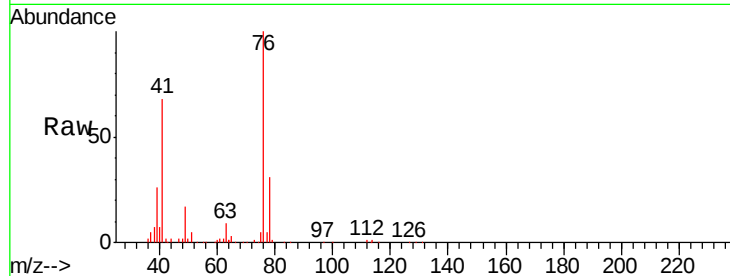
#57
 1,3-Dichloropropane
 Concen: 54.27 ug/l
 RT: 8.87 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)MS

Tgt Ion: 76 Resp: 126849
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.6 39.8

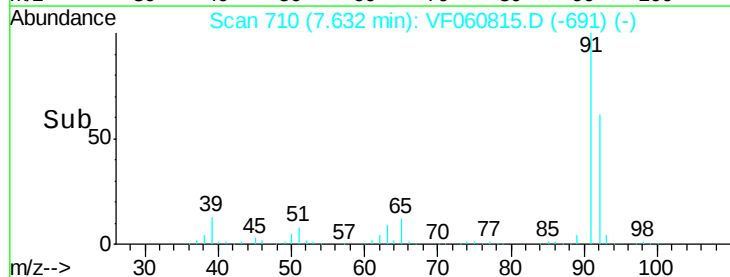
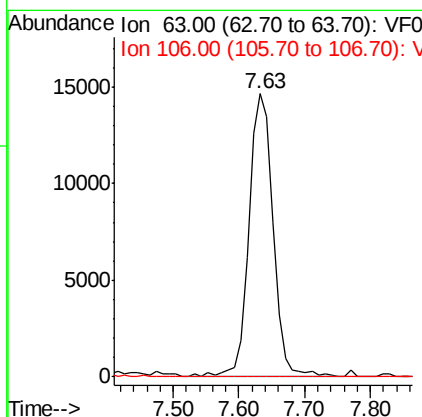
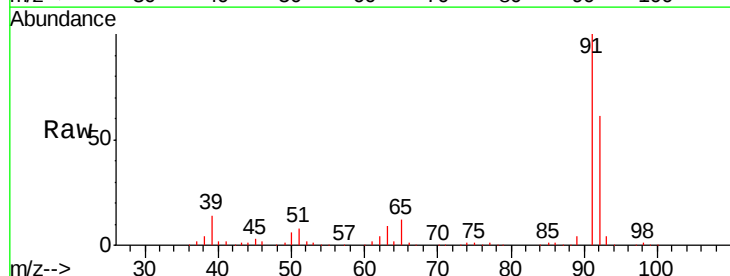
Manual Integrations
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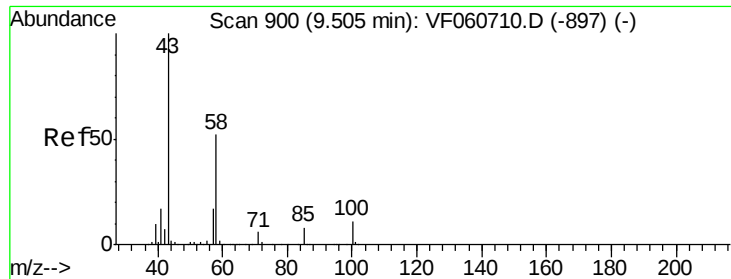
apatel
 11/21/2018 2:41:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.72 ug/l
 RT: 7.63 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion: 63 Resp: 37881
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





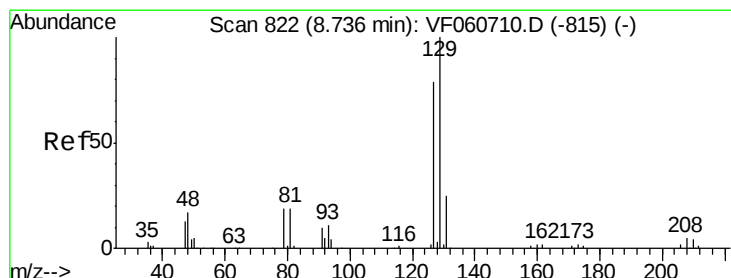
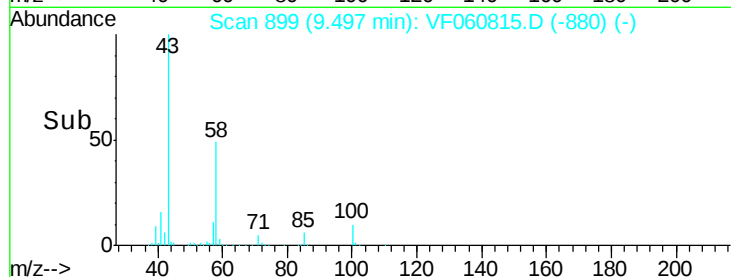
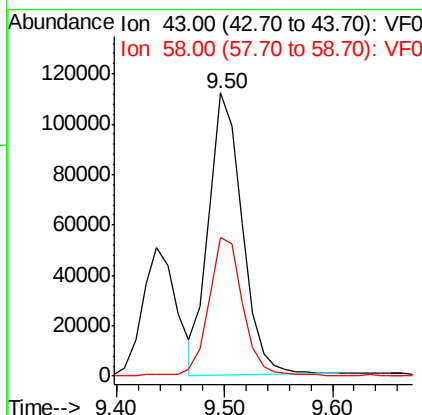
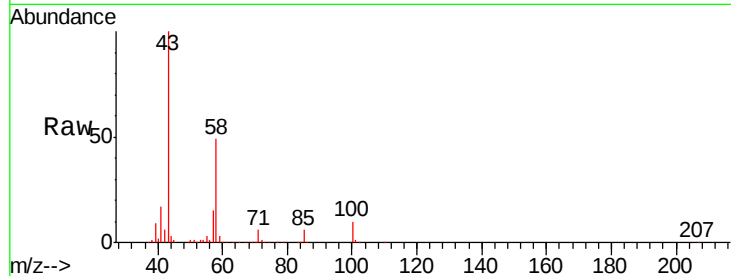
#59
2-Hexanone
Concen: 304.11 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MS

Tgt Ion: 43 Resp: 240785
Ion Ratio Lower Upper
43 100
58 48.8 24.9 74.7

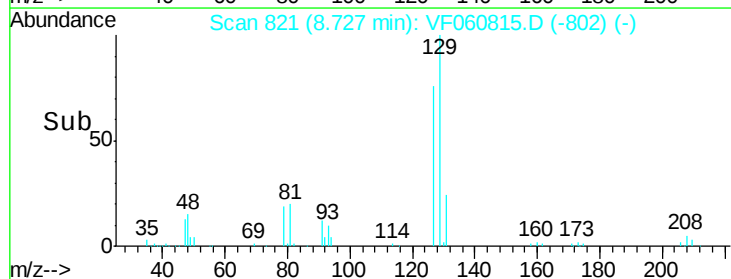
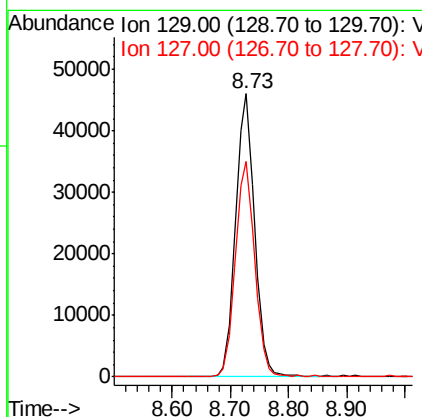
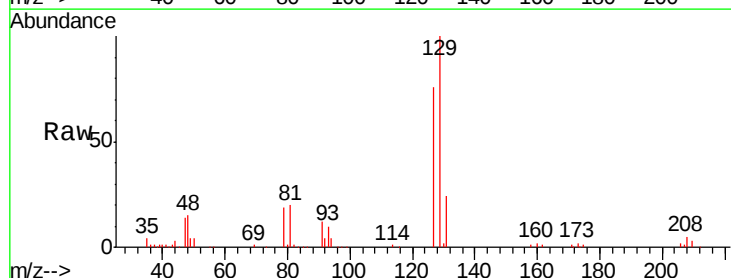
Manual Integrations
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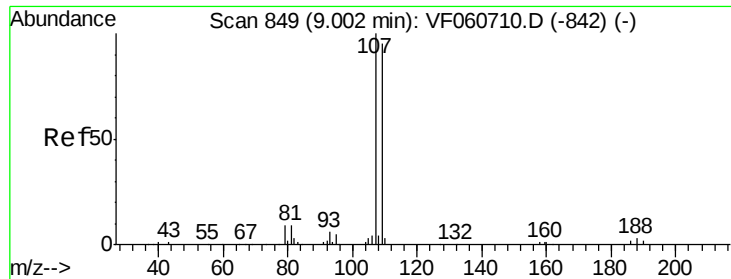
apatel
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#60
Dibromochloromethane
Concen: 54.45 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion: 129 Resp: 104658
Ion Ratio Lower Upper
129 100
127 76.4 39.7 119.1





#61

1,2-Dibromoethane

Concen: 50.22 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion: 107 Resp: 71236

Ion Ratio Lower Upper

107 100

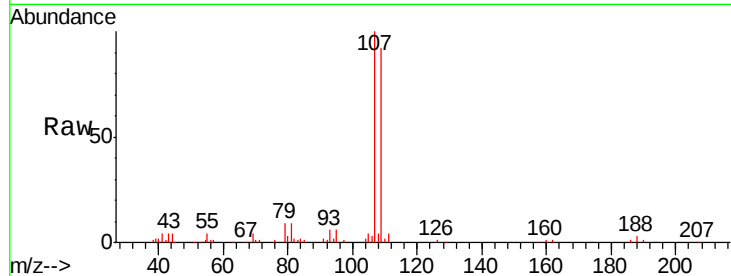
109 92.2 75.9 113.9

Manual Integrations

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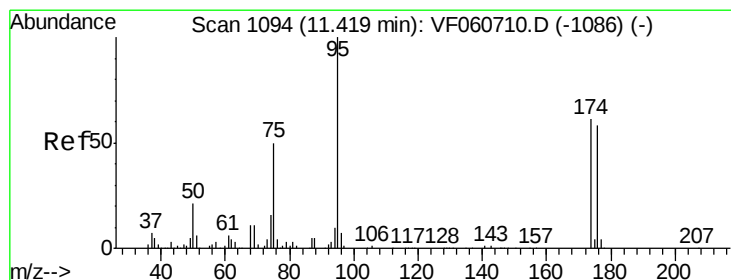
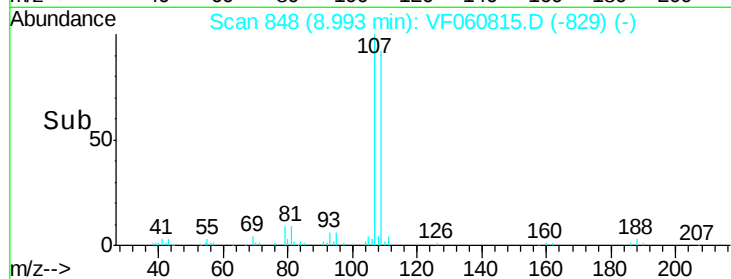
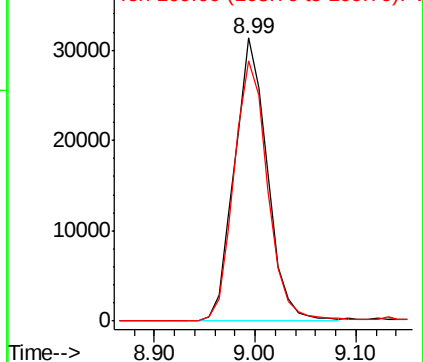
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 40.76 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

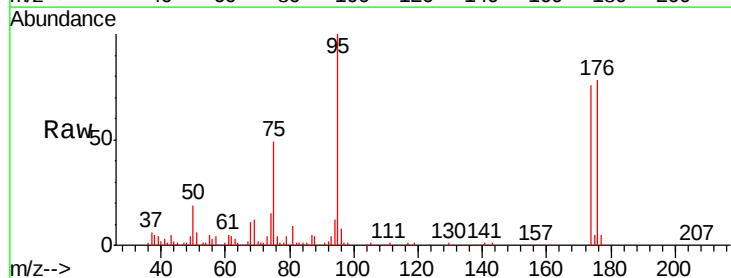
Tgt Ion: 95 Resp: 100616

Ion Ratio Lower Upper

95 100

174 76.1 0.0 121.6

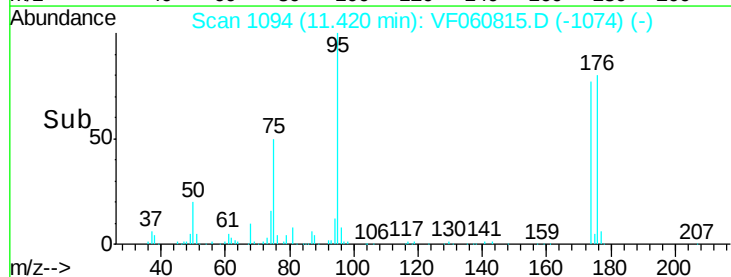
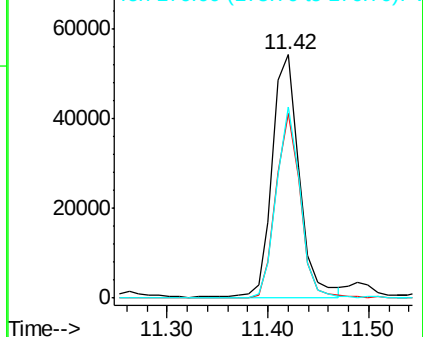
176 78.2 0.0 115.2

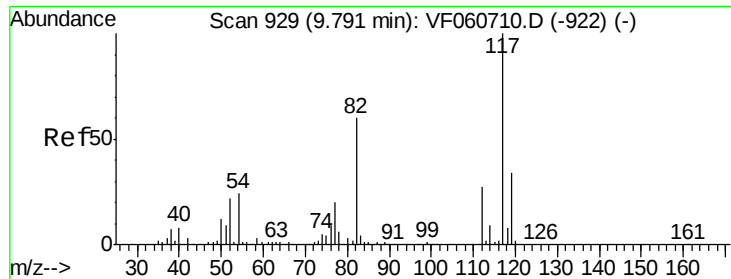


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





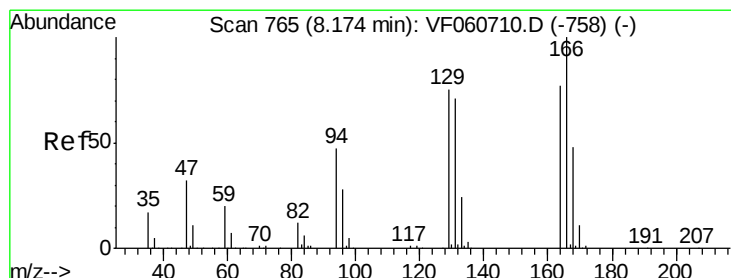
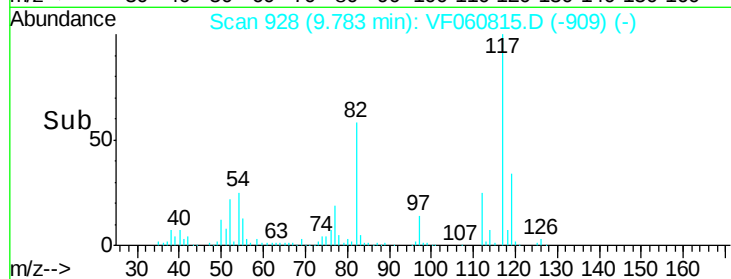
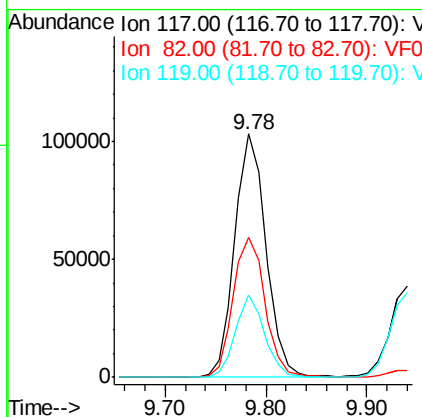
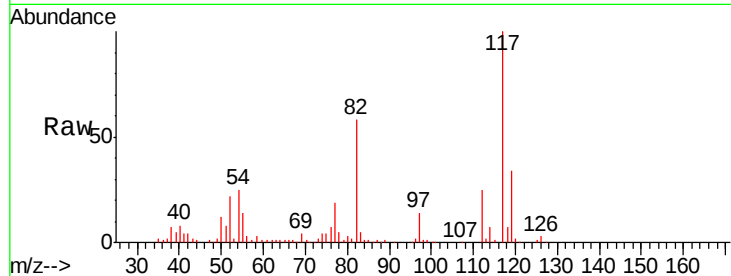
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MS

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	223897		
82	57.7	47.9	71.9	
119	33.8	26.8	40.2	

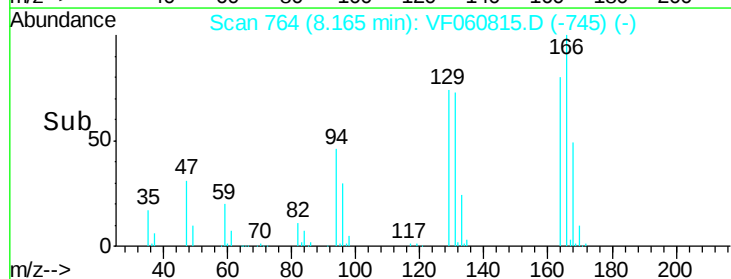
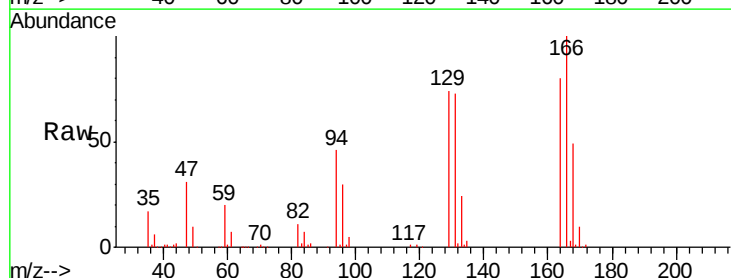
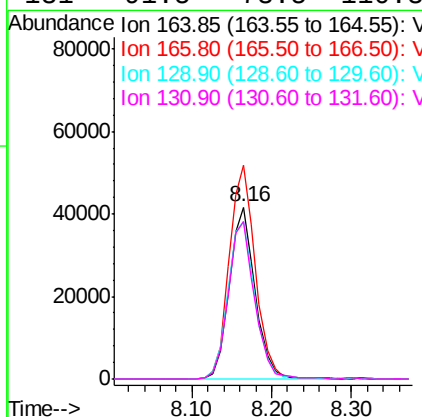
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#64
Tetrachloroethene
Concen: 53.00 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	93961		
166	124.5	103.5	155.3	
129	92.0	77.4	116.2	
131	91.5	73.5	110.3	





#65

Chlorobenzene

Concen: 55.03 ug/l

RT: 9.81 min Scan# 931

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:112 Resp: 248629

Ion Ratio Lower Upper

112 100

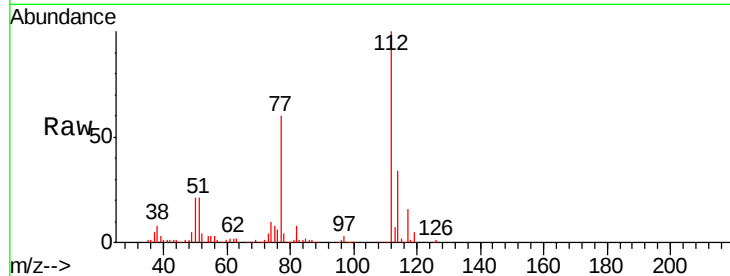
114 33.8 26.1 39.1

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

120000

100000

80000

60000

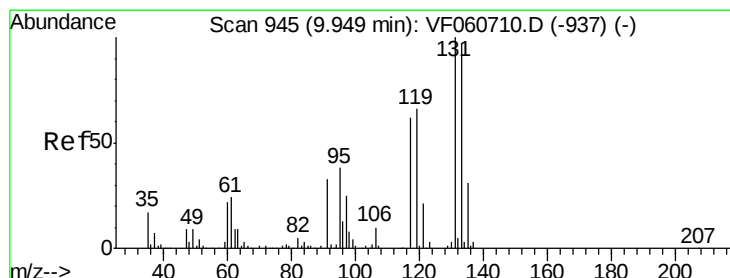
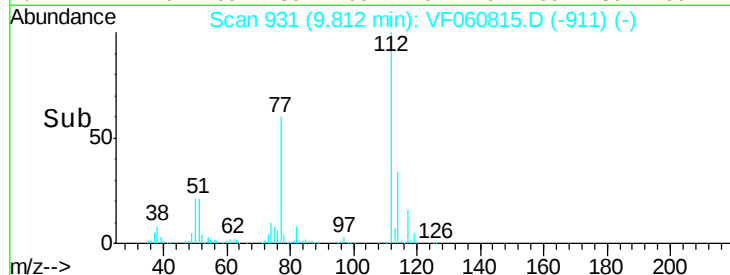
40000

20000

0

9.70 9.80 9.90

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 60.53 ug/l

RT: 9.94 min Scan# 944

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

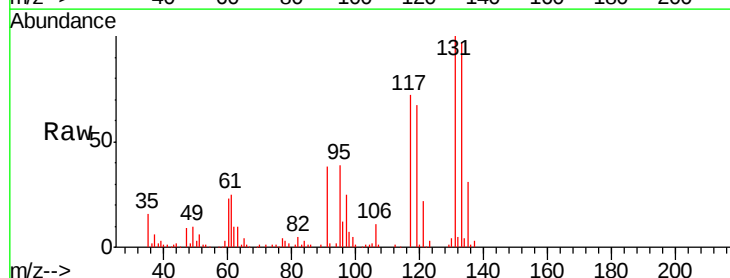
Tgt Ion:131 Resp: 119278

Ion Ratio Lower Upper

131 100

133 96.6 48.3 144.8

119 67.2 33.2 99.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

60000

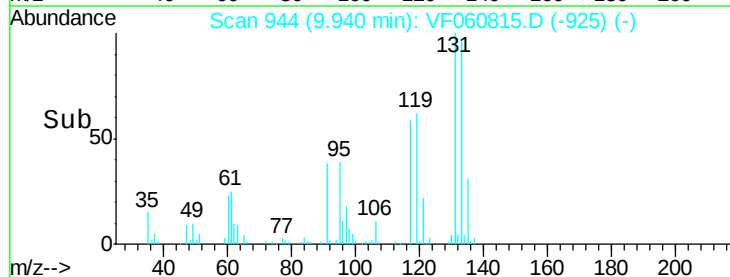
40000

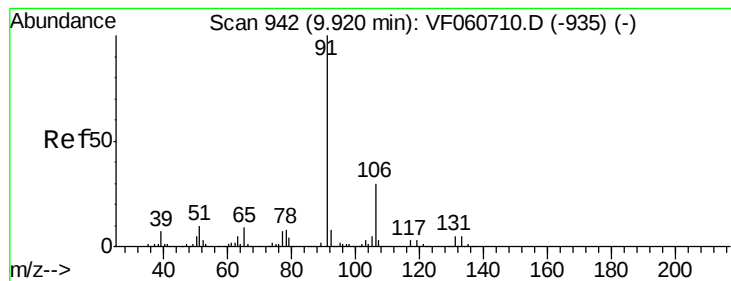
20000

0

9.80 9.90 10.00 10.10

Time-->





#67

Ethyl Benzene

Concen: 53.49 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion: 91 Resp: 455546

Ion Ratio Lower Upper

91 100

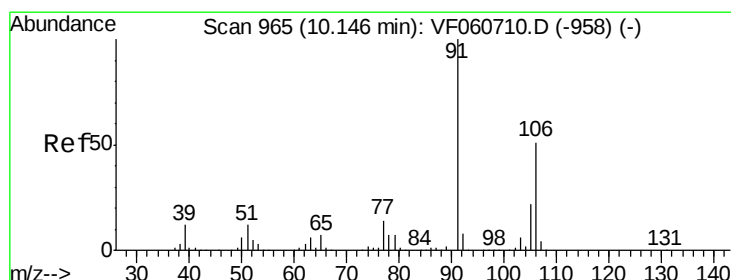
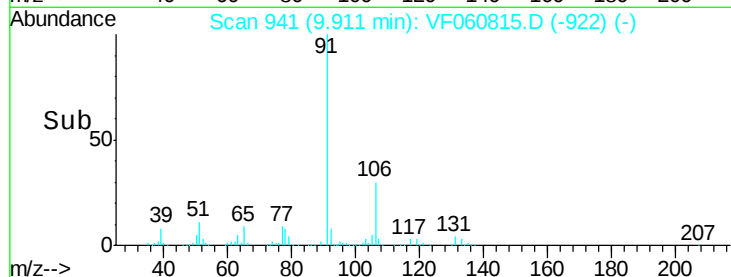
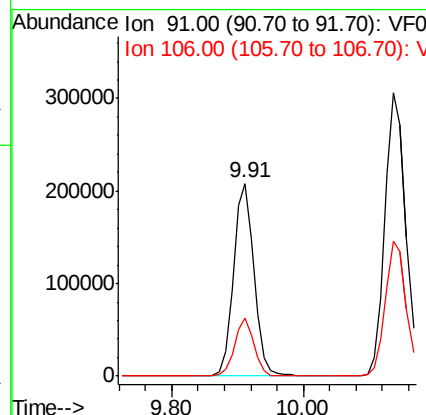
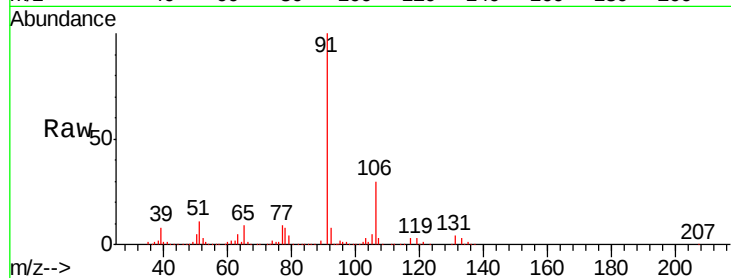
106 30.0 23.9 35.9

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#68

m/p-Xylenes

Concen: 105.31 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060815.D

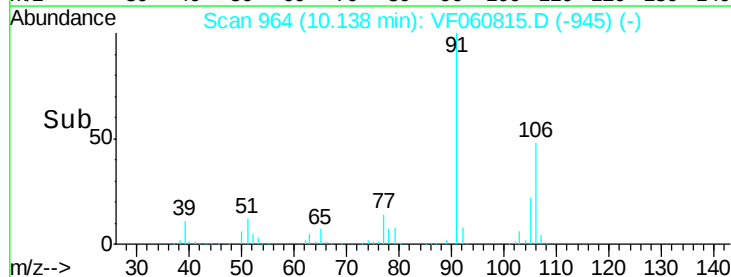
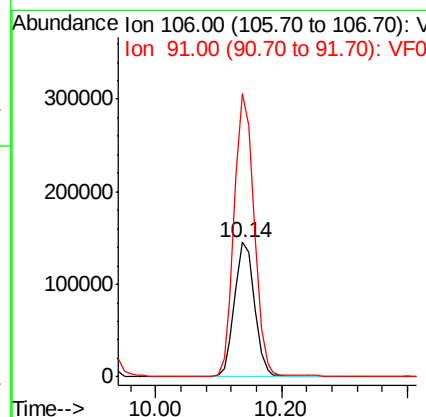
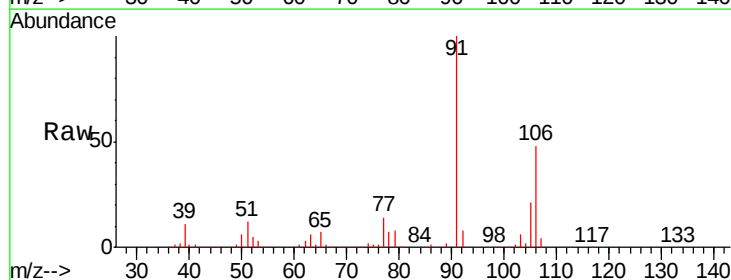
Acq: 20 Nov 2018 21:04

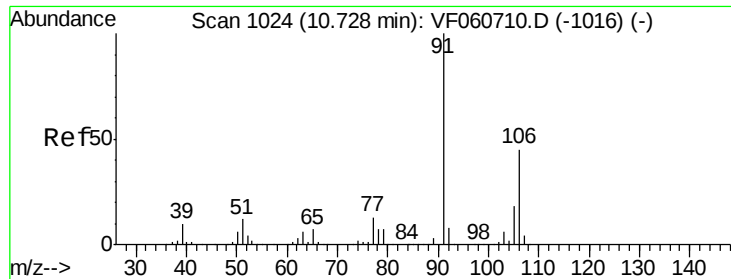
Tgt Ion: 106 Resp: 320509

Ion Ratio Lower Upper

106 100

91 210.0 158.2 237.2





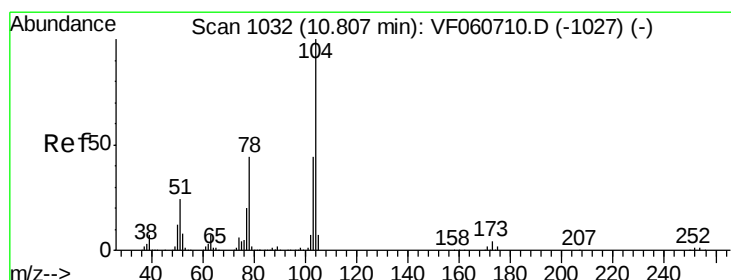
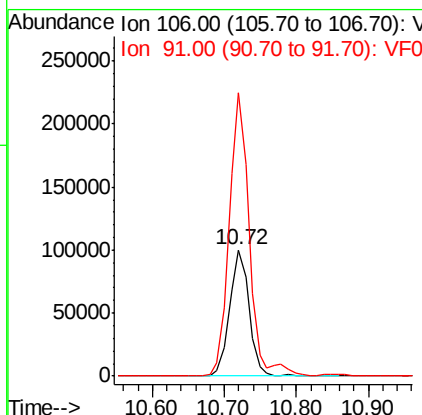
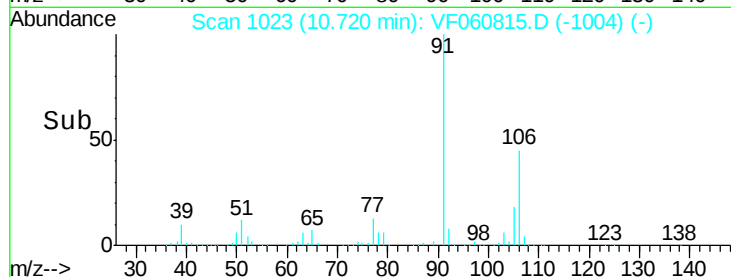
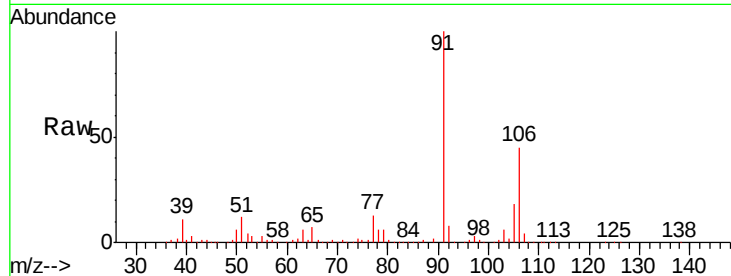
#69
o-Xylene
Concen: 55.38 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MS

Tgt Ion:106 Resp: 189506
Ion Ratio Lower Upper
106 100
91 223.9 110.3 330.9

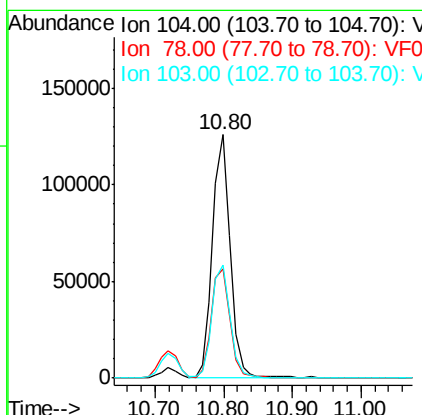
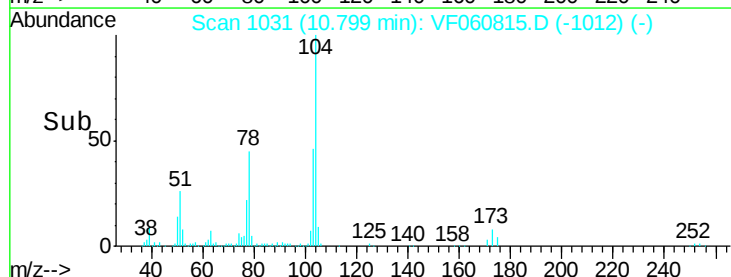
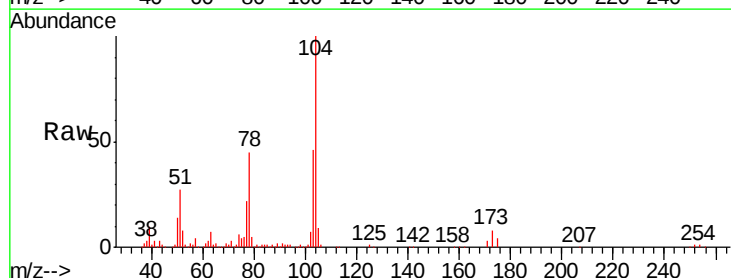
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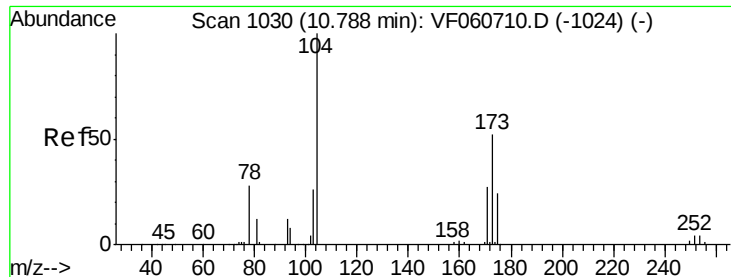
apatel
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#70
Styrene
Concen: 48.64 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion:104 Resp: 225866
Ion Ratio Lower Upper
104 100
78 44.8 35.4 53.2
103 46.4 35.8 53.6





#71

Bromoform

Concen: 58.03 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

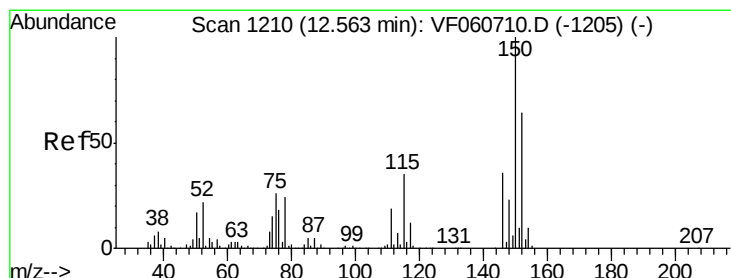
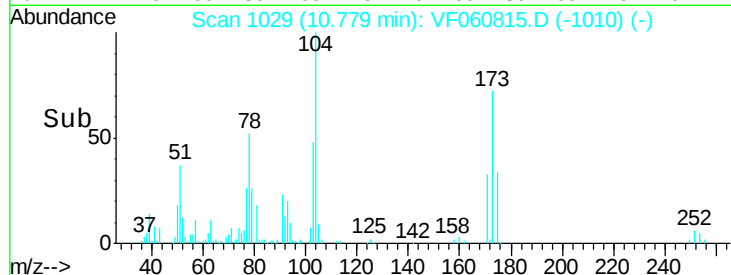
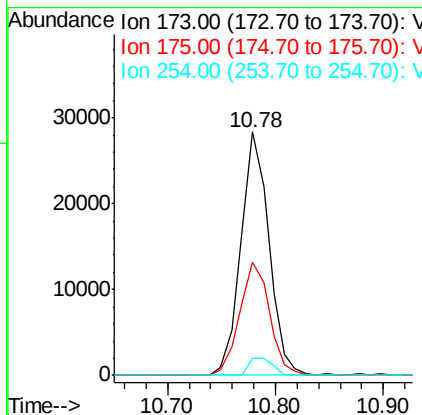
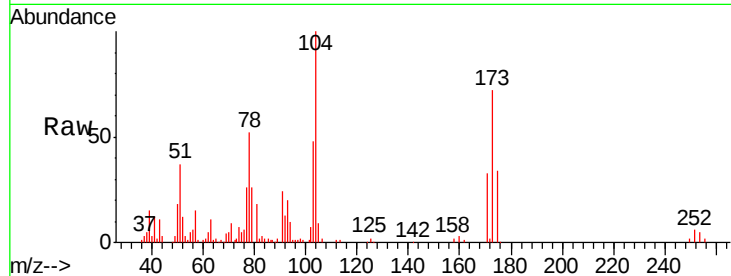
DTW-02(11-13)MS

Tgt Ion:173 Resp: 51423

Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.4	70.0
254	7.2	5.8	8.8

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.55 min Scan# 1209

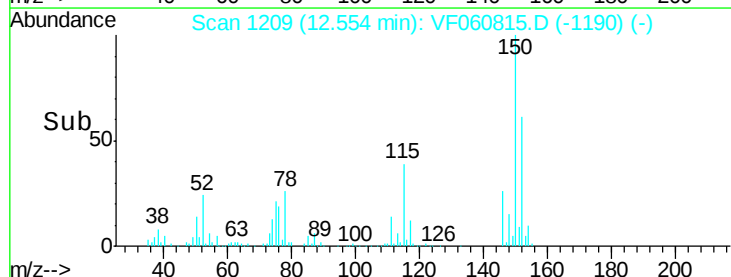
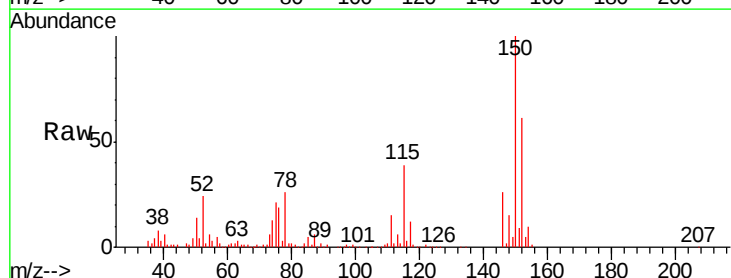
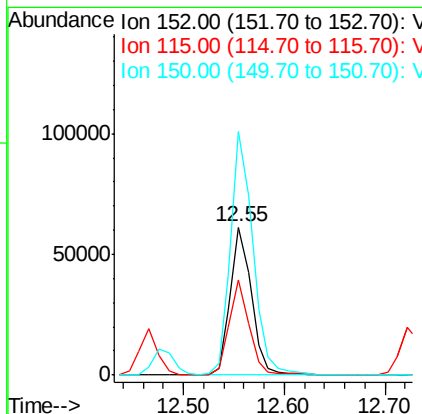
Delta R.T. -0.01 min

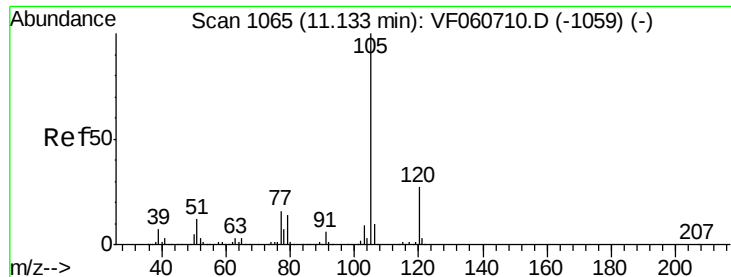
Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion:152 Resp: 89738

Ion	Ratio	Lower	Upper
152	100		
115	64.6	27.9	83.7
150	164.8	0.0	316.4





#73

Isopropylbenzene

Concen: 65.66 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion: 105 Resp: 474255

Ion Ratio Lower Upper

105 100

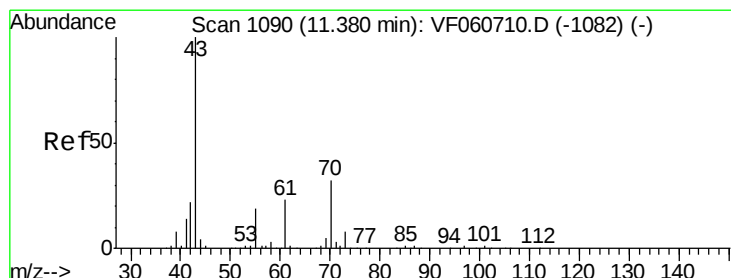
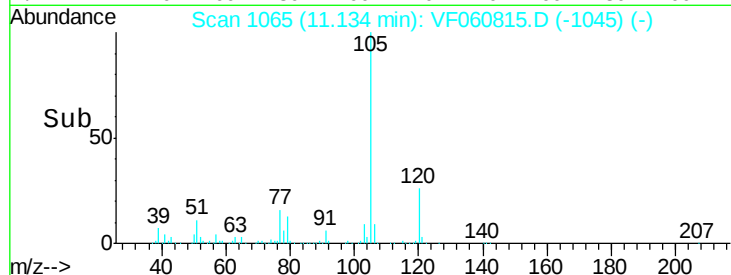
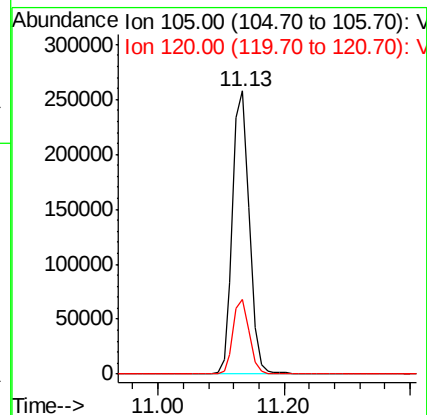
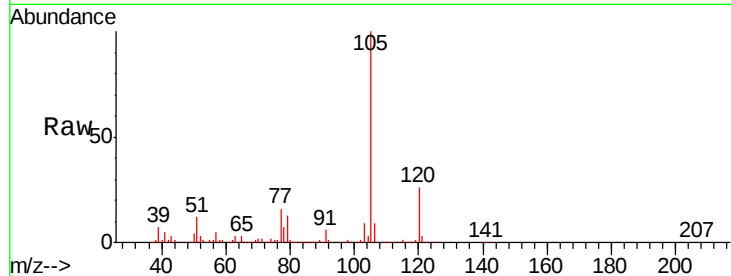
120 26.4 13.4 40.1

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#74

N-ethyl acetate

Concen: 86.10 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion: 43 Resp: 141577

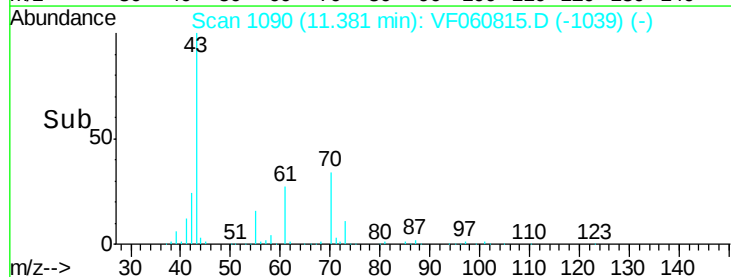
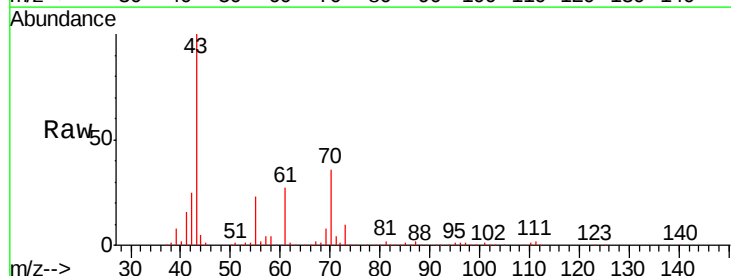
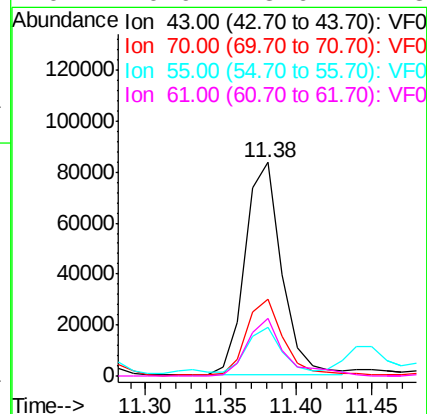
Ion Ratio Lower Upper

43 100

70 36.1 25.5 38.3

55 23.1 14.9 22.3#

61 26.9 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 90.15 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

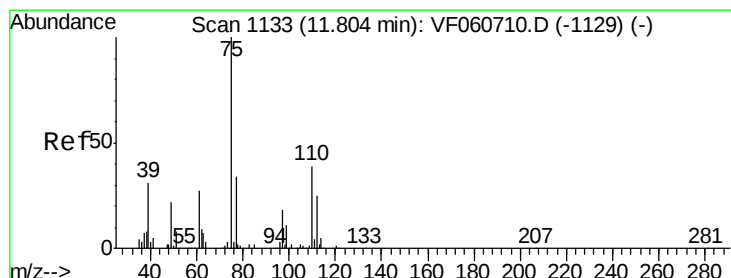
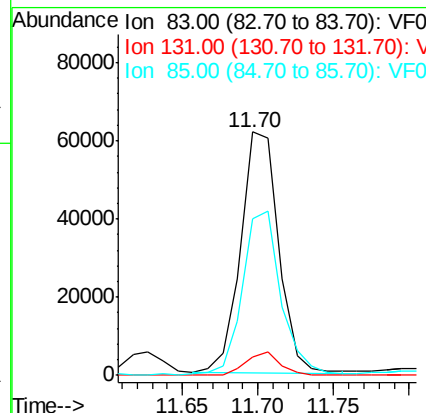
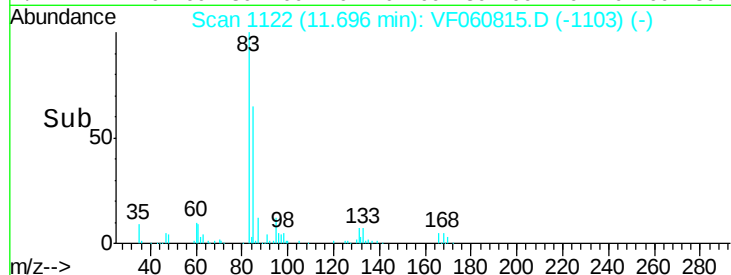
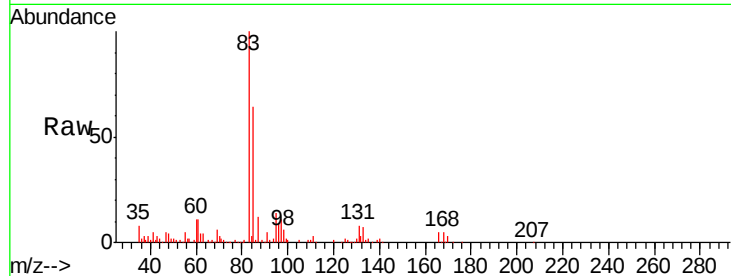
ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:	83	Resp:	107660
Ion Ratio	Lower	Upper	
83	100		
131	7.6	4.2	12.4
85	64.3	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 84.47 ug/l

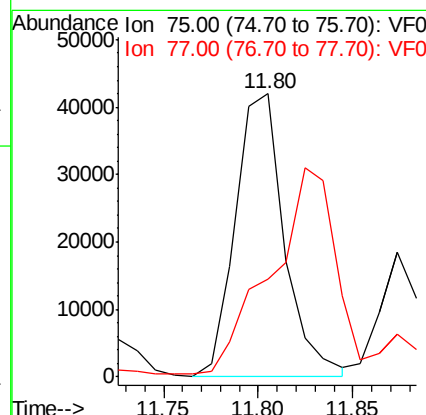
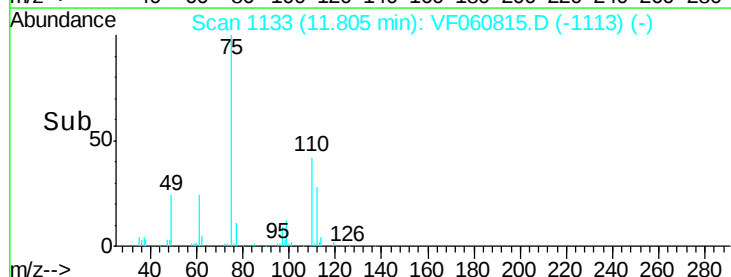
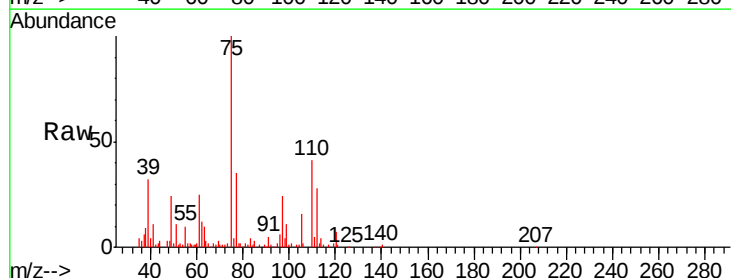
RT: 11.80 min Scan# 1133

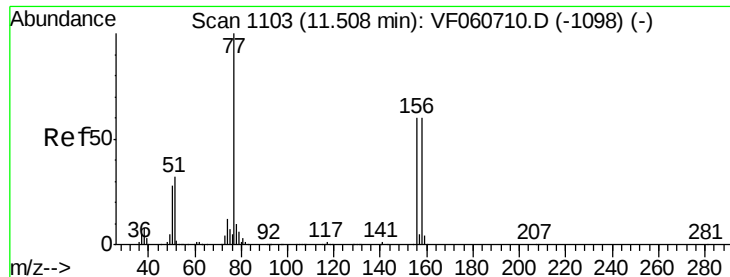
Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion:	75	Resp:	74916
Ion Ratio	Lower	Upper	
75	100		
77	34.5	17.0	51.0





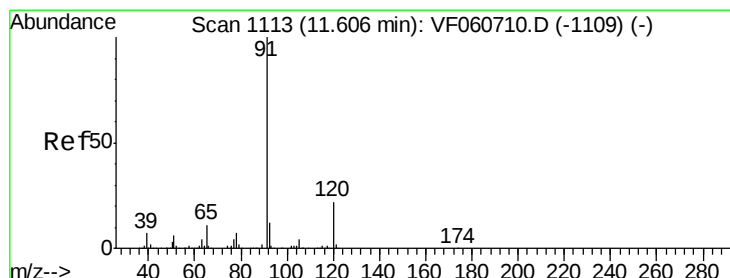
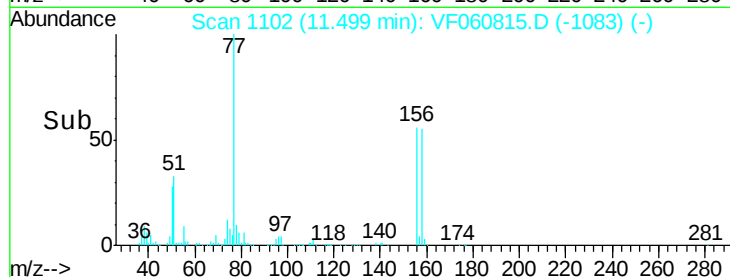
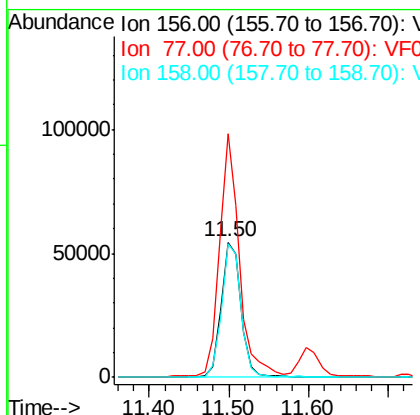
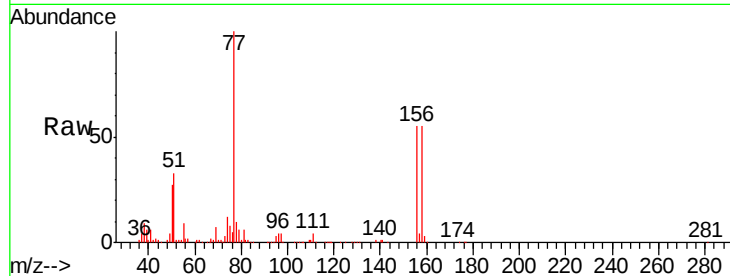
#77
Bromobenzene
Concen: 64.24 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MS

Tgt Ion: 156 Resp: 96593
Ion Ratio Lower Upper
156 100
77 180.4 83.0 248.9
158 99.1 49.6 149.0

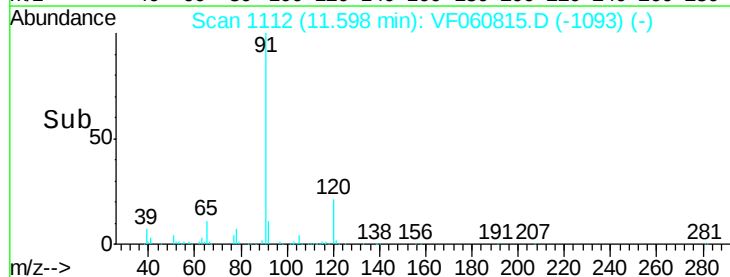
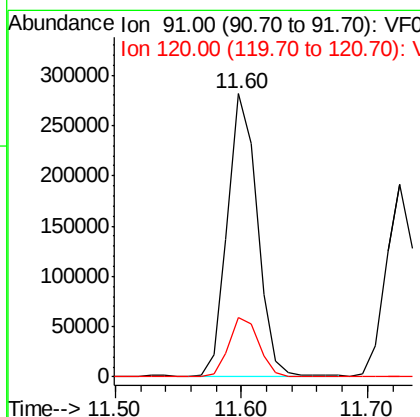
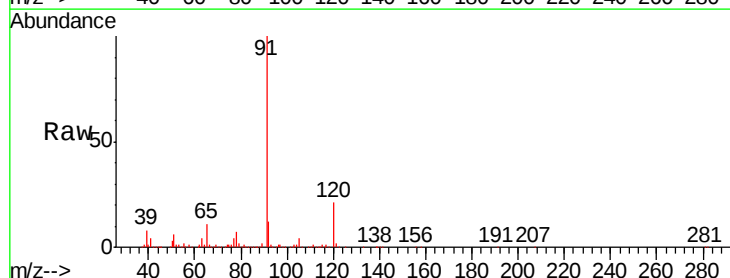
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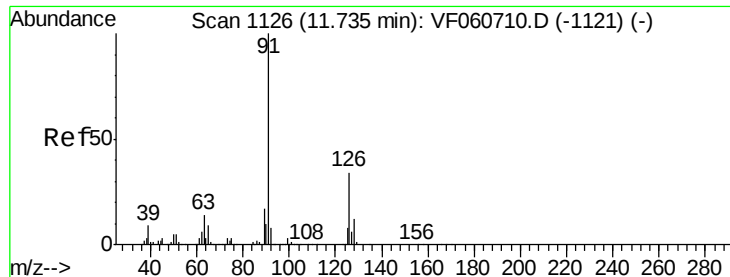
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#78
n-propylbenzene
Concen: 54.53 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion: 91 Resp: 459411
Ion Ratio Lower Upper
91 100
120 21.0 11.2 33.5





#79

2-Chlorotoluene

Concen: 62.25 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion: 91 Resp: 304802

Ion Ratio Lower Upper

91 100

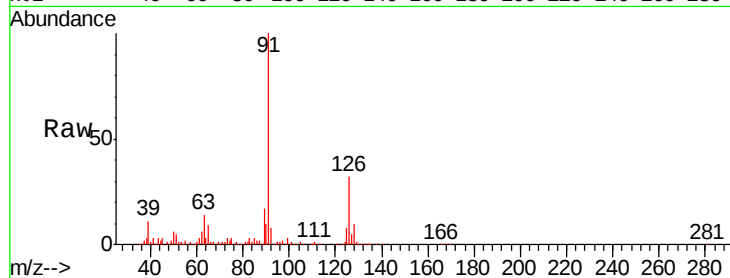
126 31.6 16.8 50.4

Manual Integrations

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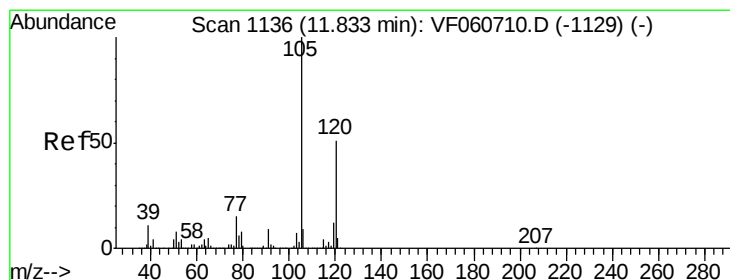
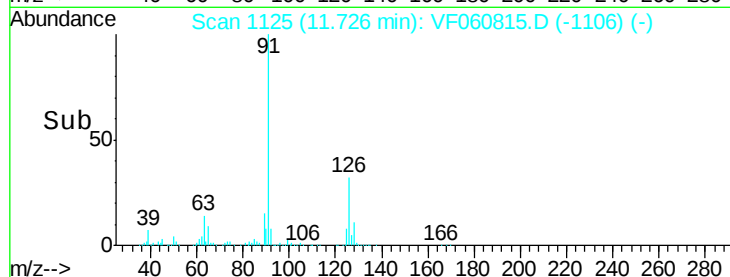
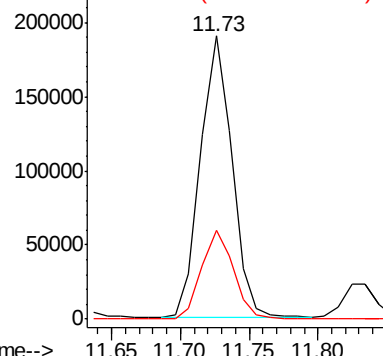
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 65.43 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060815.D

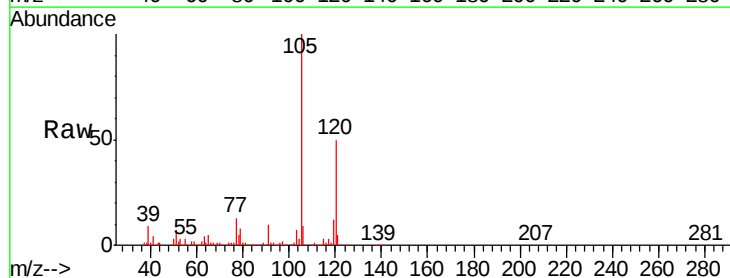
Acq: 20 Nov 2018 21:04

Tgt Ion: 105 Resp: 375209

Ion Ratio Lower Upper

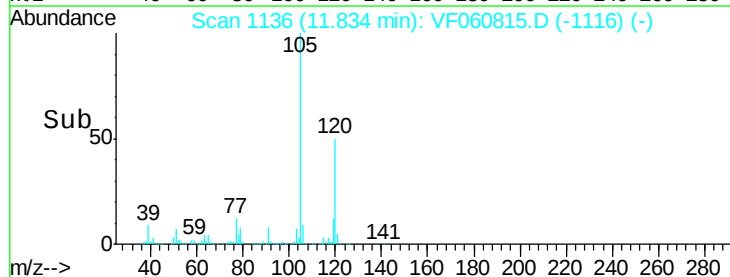
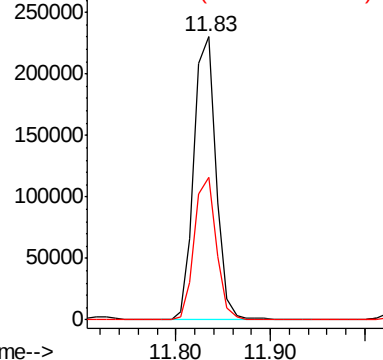
105 100

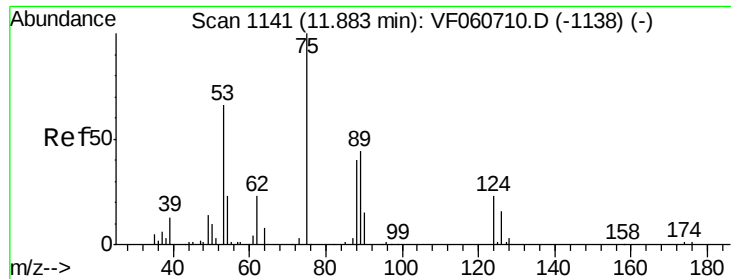
120 50.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 65.64 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

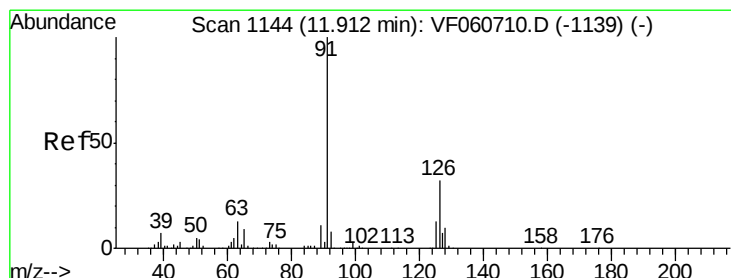
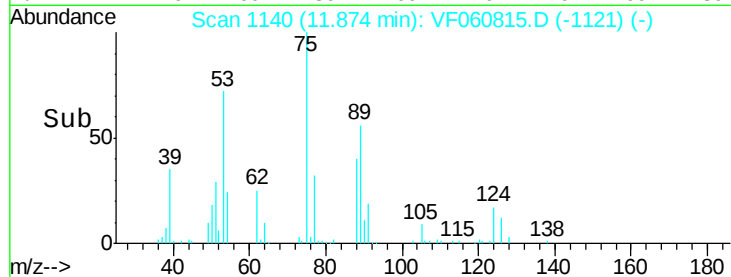
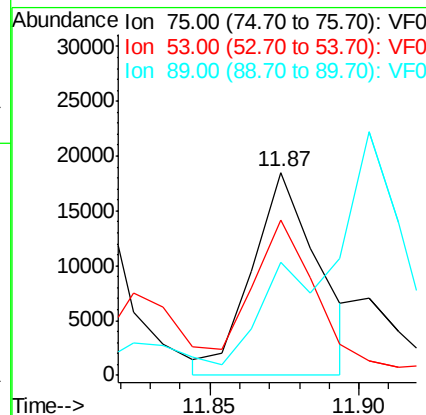
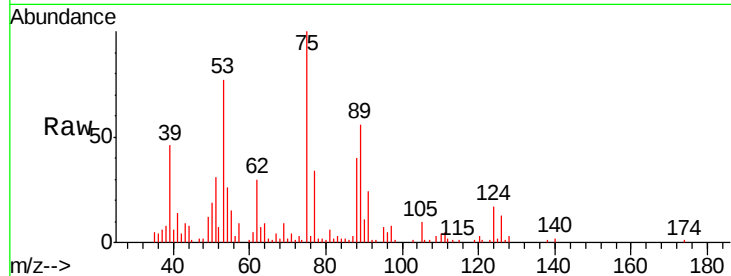
ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:	75	Resp:	28600
Ion	Ratio	Lower	Upper
75	100		
53	76.7	57.0	85.4
89	56.0	37.8	56.8

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#82

4-Chlorotoluene

Concen: 58.07 ug/l

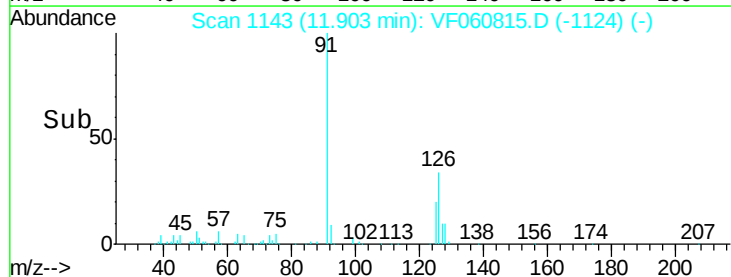
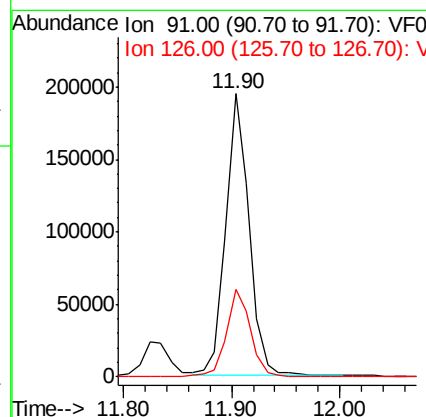
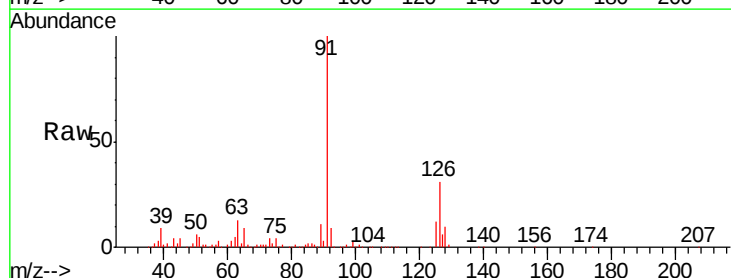
RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion:	91	Resp:	291291
Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.0	47.9





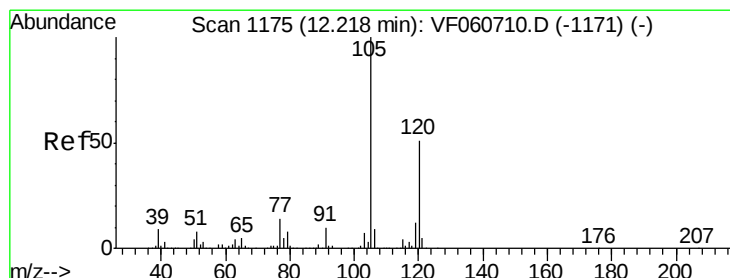
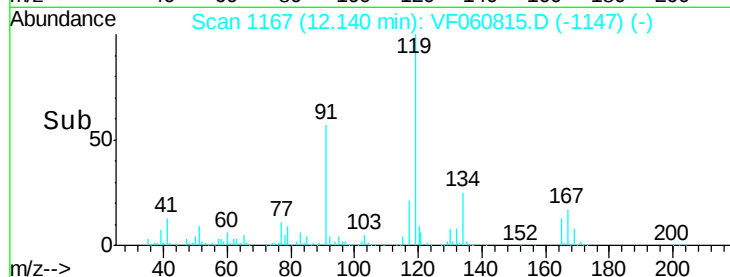
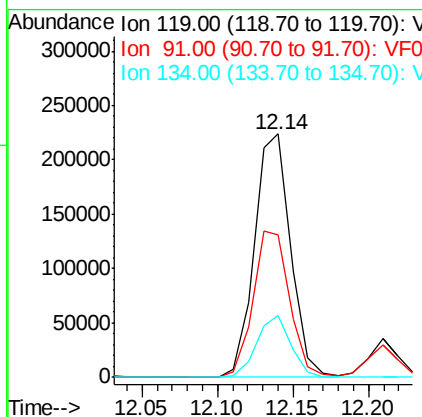
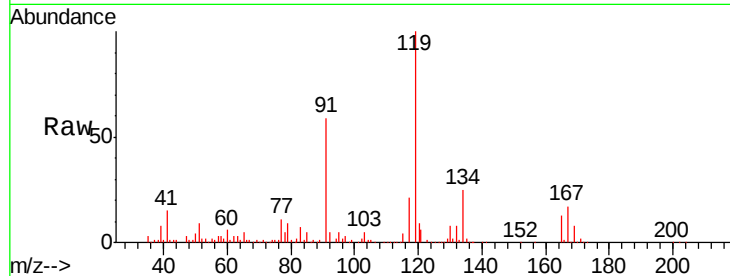
#83
 tert-Butylbenzene
 Concen: 61.51 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)MS

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	374555		
91	58.5	31.4	94.3	
134	25.4	12.8	38.4	

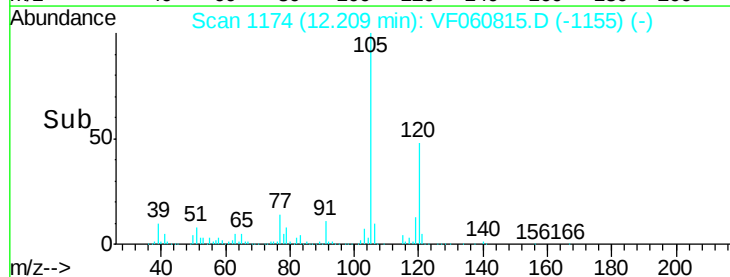
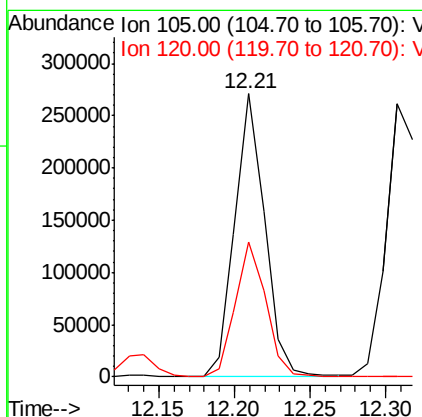
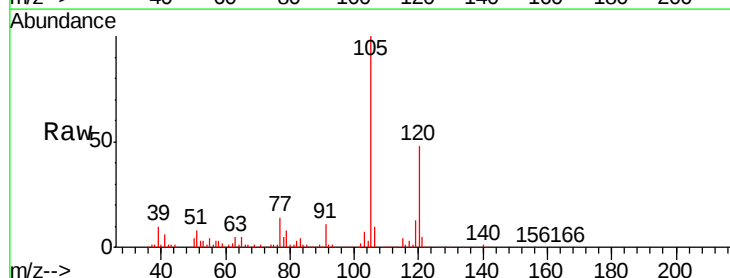
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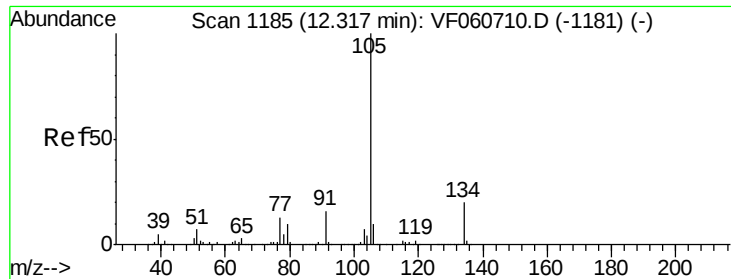
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#84
 1,2,4-Trimethylbenzene
 Concen: 63.10 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	374236		
120	47.8	25.5	76.5	





#85

sec-Butylbenzene

Concen: 48.97 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:105 Resp: 404446

Ion Ratio Lower Upper

105 100

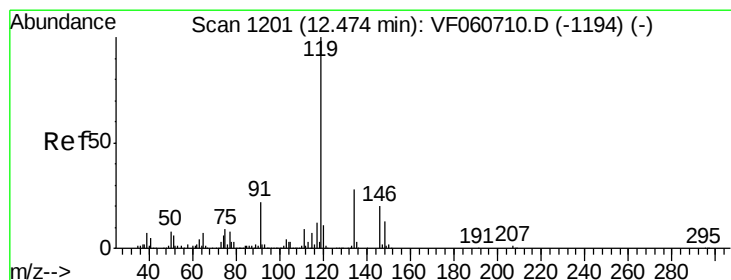
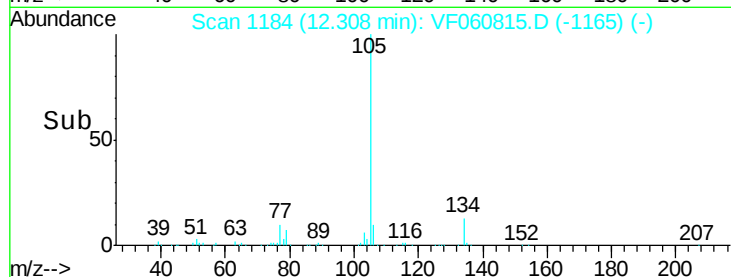
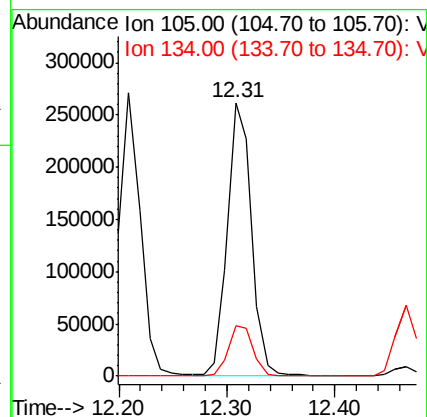
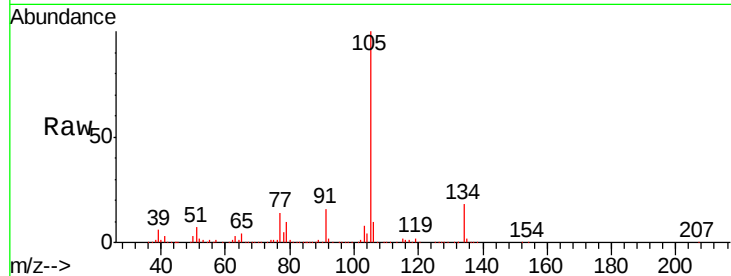
134 18.3 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 52.23 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

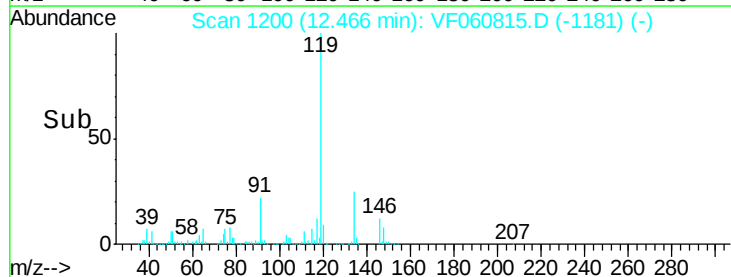
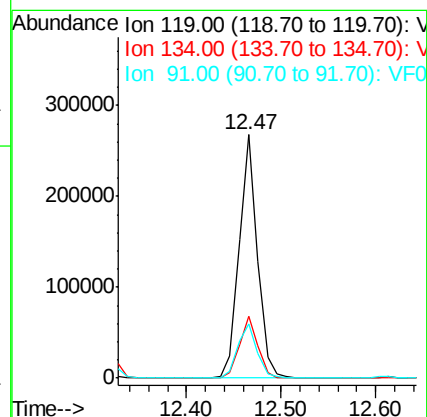
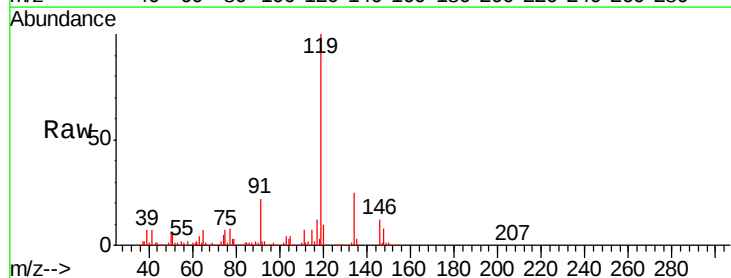
Tgt Ion:119 Resp: 360326

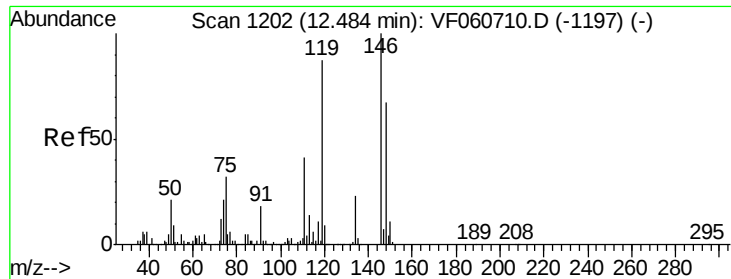
Ion Ratio Lower Upper

119 100

134 25.4 13.9 41.7

91 22.5 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 54.72 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

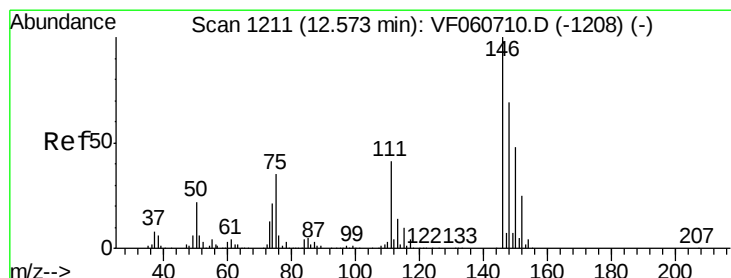
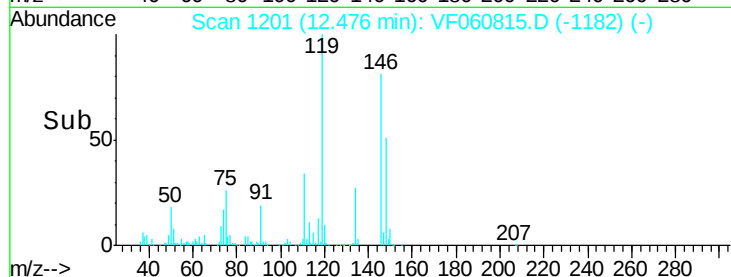
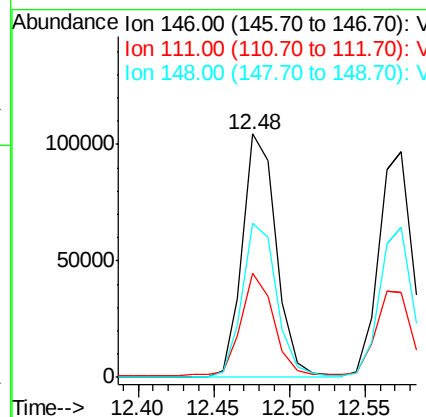
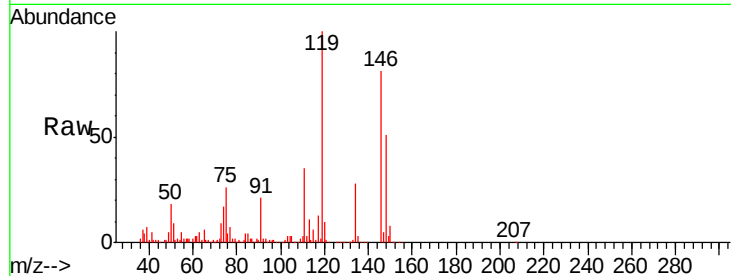
ClientSampleId :

DTW-02(11-13)MS

Tgt Ion:	146	Resp:	163740
Ion Ratio	Lower	Upper	
146	100		
111	42.7	20.3	60.8
148	63.0	33.3	99.9

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#88

1,4-Dichlorobenzene

Concen: 54.45 ug/l

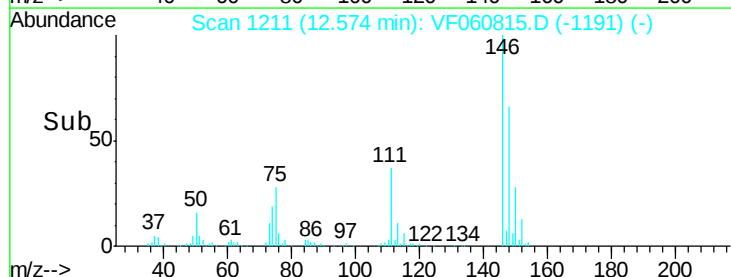
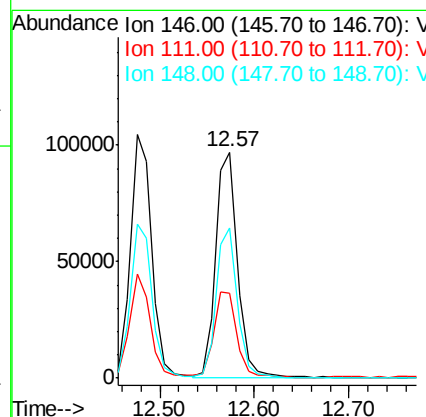
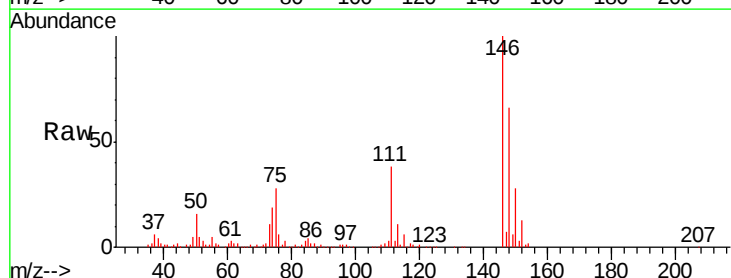
RT: 12.57 min Scan# 1211

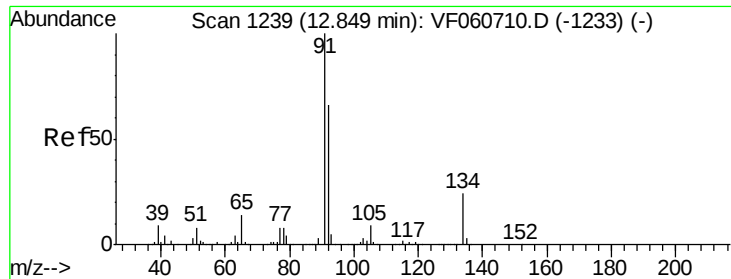
Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion:	146	Resp:	156580
Ion Ratio	Lower	Upper	
146	100		
111	37.7	20.6	61.9
148	66.3	34.7	104.1





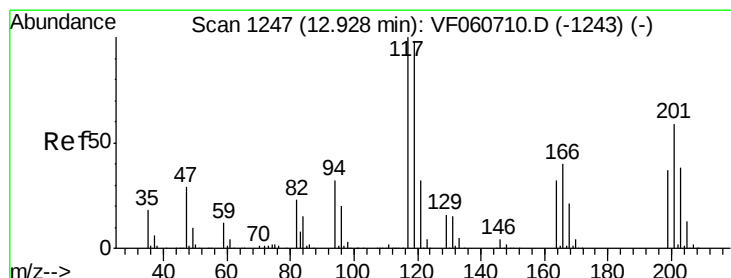
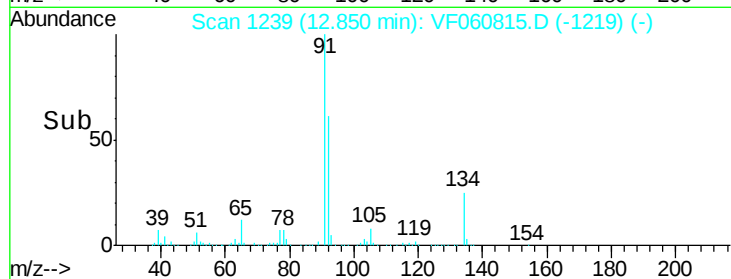
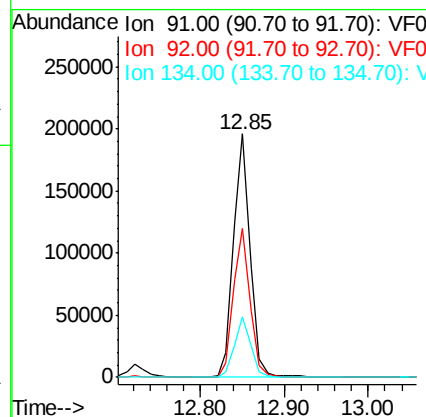
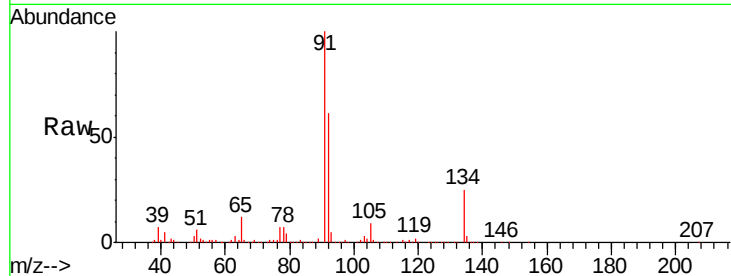
#89
n-Butylbenzene
Concen: 38.07 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MS

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.4	33.1	99.2
134	24.7	11.9	35.9

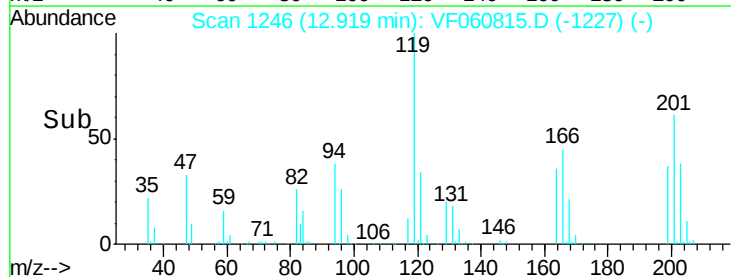
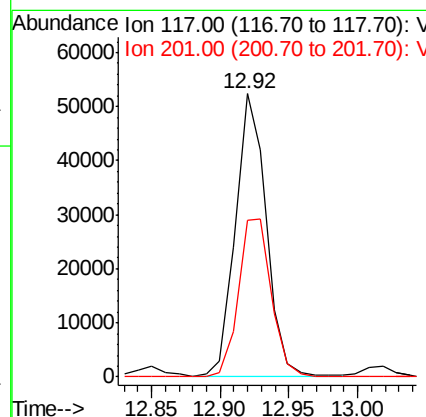
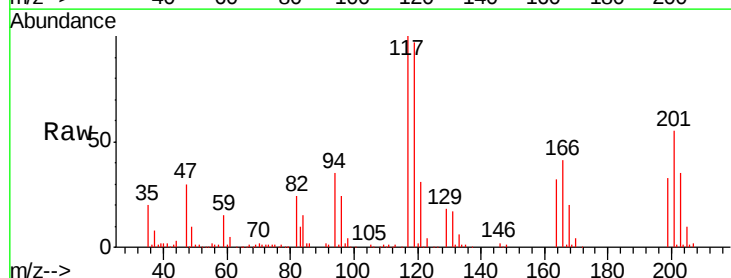
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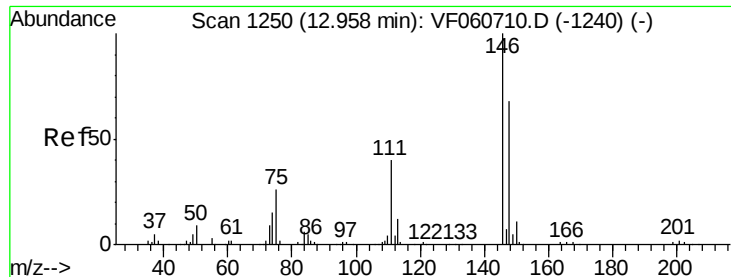
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#90
Hexachloroethane
Concen: 48.26 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	56.1	29.4	88.3





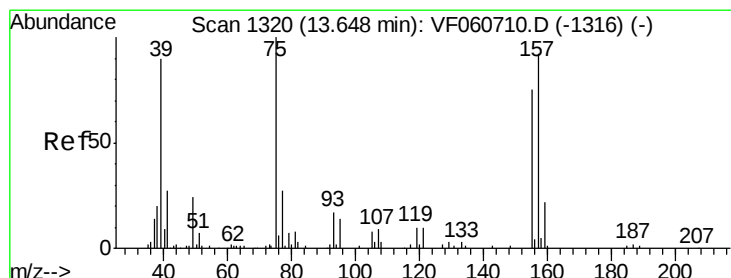
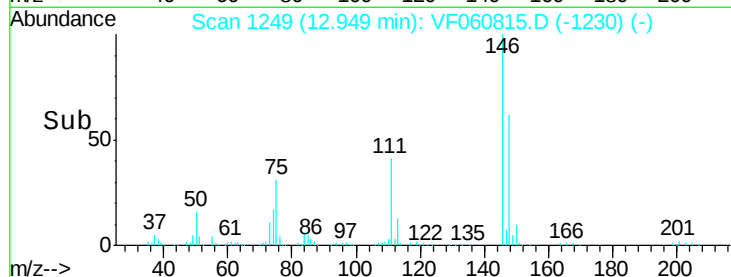
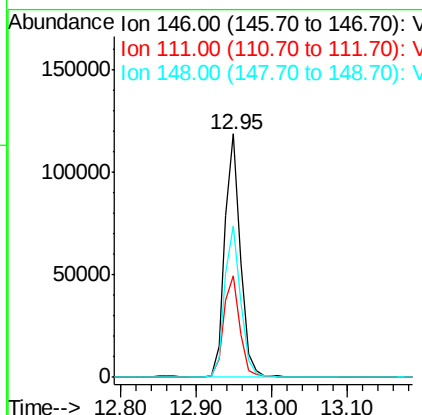
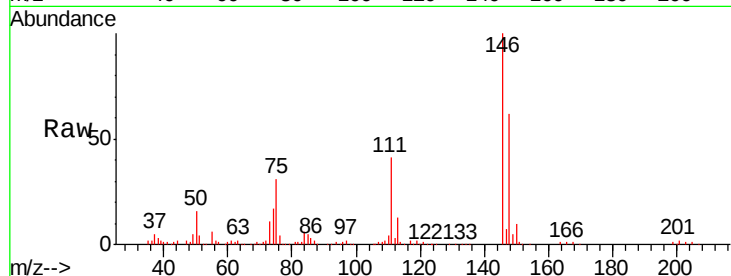
#91
 1,2-Dichlorobenzene
 Concen: 60.83 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.8
148	62.3	34.1	102.3

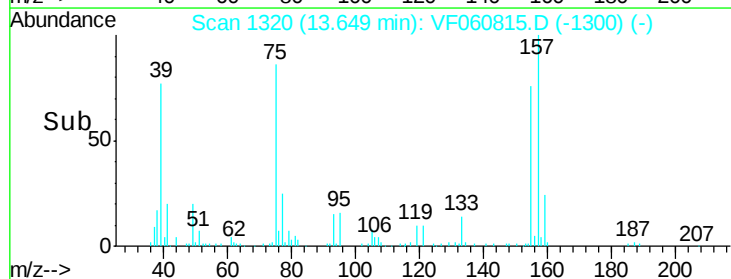
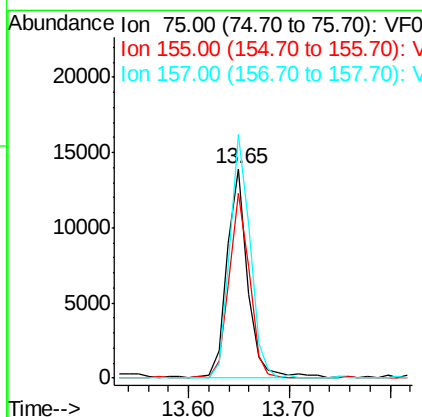
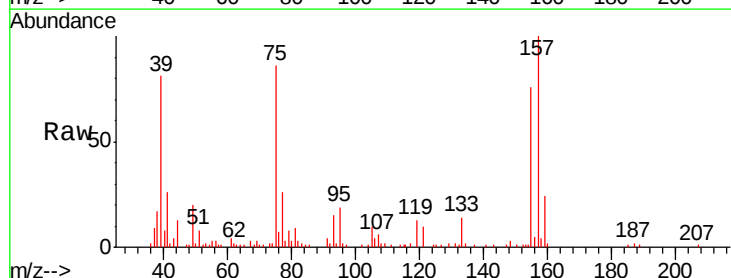
Manual Integrations
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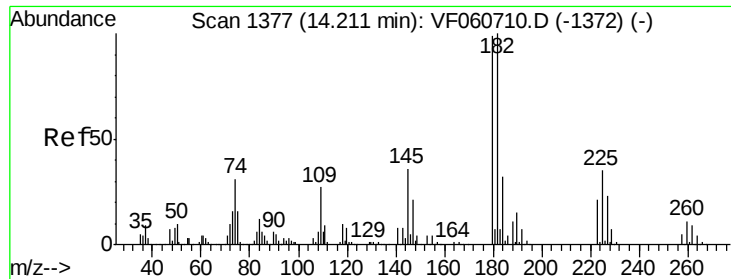
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 88.37 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	37.4	112.2
157	116.5	46.0	138.0





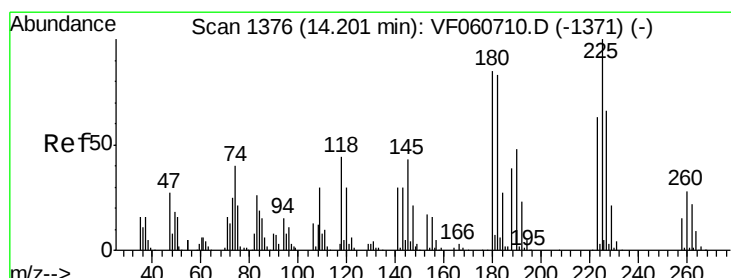
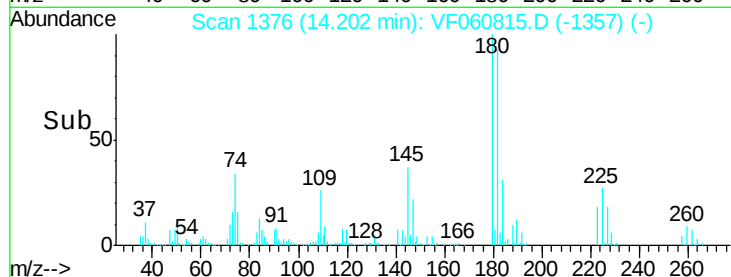
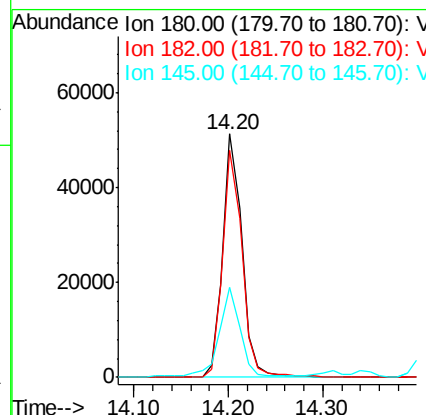
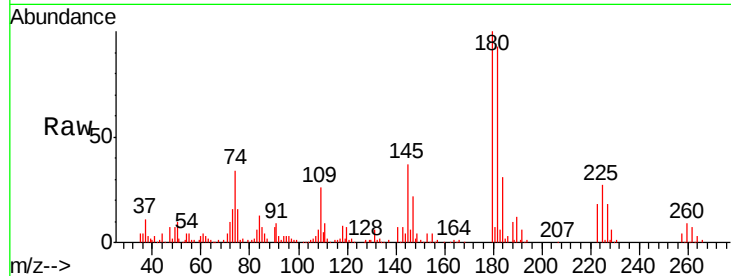
#93
 1,2,4-Trichlorobenzene
 Concen: 35.90 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)MS

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	50.3	151.0
145	36.9	18.3	54.9

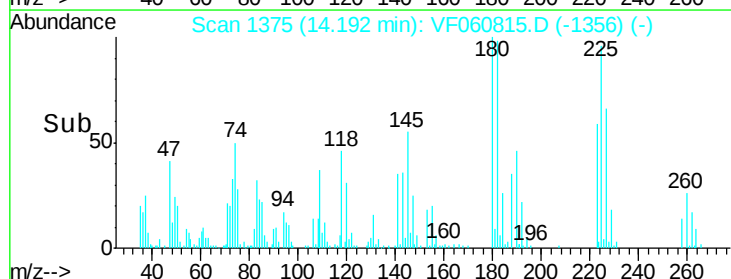
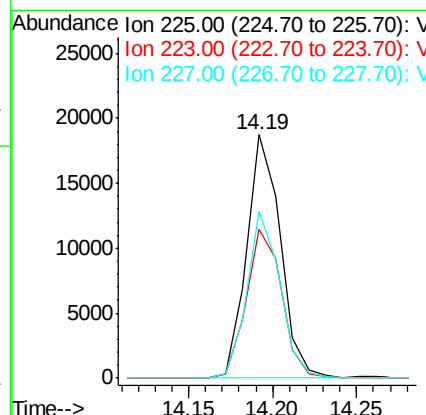
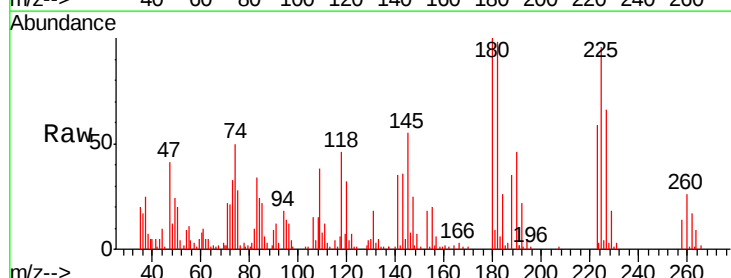
Manual Integrations
 APPROVED

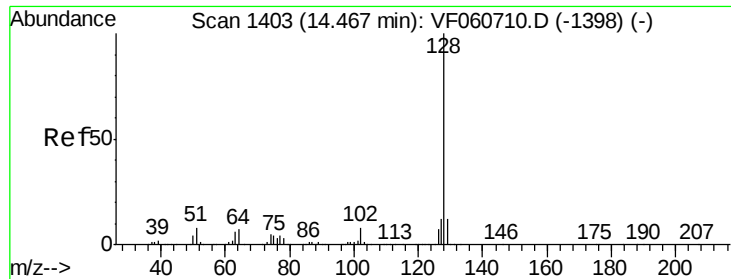
apatel
 11/21/2018 2:41:01 PM



#94
 Hexachlorobutadiene
 Concen: 19.64 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.5	94.5
227	68.3	33.0	99.0





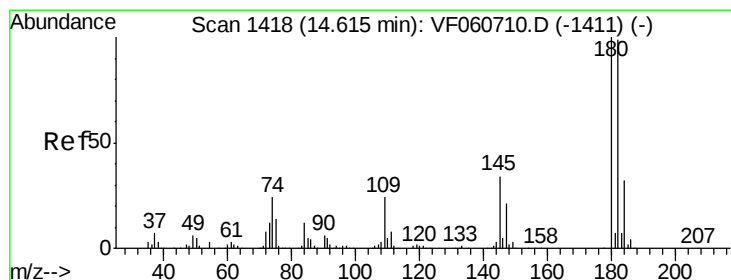
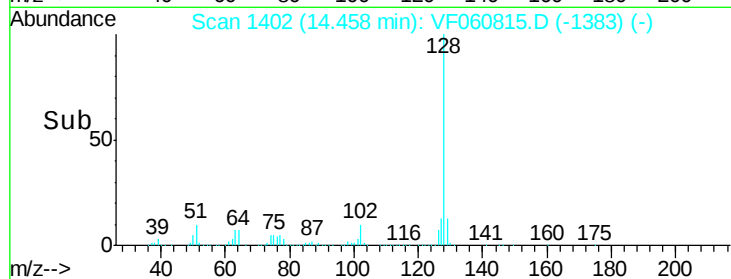
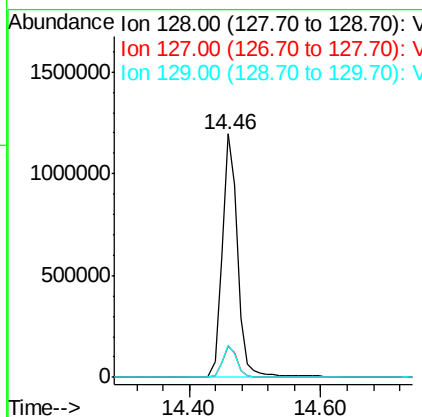
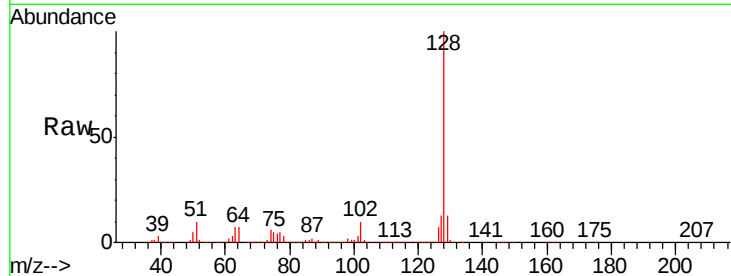
#95
Naphthalene
Concen: 528.53 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MS

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.8	14.6
129	13.1	9.3	13.9

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 34.96 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.1	49.6	149.0
145	38.4	16.9	50.7

