

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059591.D
 Acq On : 20 Jul 2018 20:04
 Operator : VA/AP
 Sample : VF0720SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Manual Integrations
 APPROVED

apatel
 7/23/2018 10:52:06 AM

Quant Time: Jul 21 00:12:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	262150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	337842	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	354876	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	218919	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	187495	45.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.98%	
35) Dibromofluoromethane	4.29	113	154790	52.90	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	7.71	98	365563	49.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.50	95	211262	54.64	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.28%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.98	85	62594	19.49	ug/l	98
3) Chloromethane	1.08	50	34692	19.63	ug/l	94
4) Vinyl Chloride	1.15	62	39820	22.33	ug/l	95
5) Bromomethane	1.34	94	32253	26.10	ug/l	95
6) Chloroethane	1.42	64	21589	24.01	ug/l #	88
7) Trichlorofluoromethane	1.49	101	83615m	19.16	ug/l	
8) Diethyl Ether	1.70	74	16028	19.09	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	54161	29.39	ug/l	98
10) Methyl Iodide	1.95	142	94241	29.21	ug/l	94
11) Tert butyl alcohol	2.67	59	19051	102.67	ug/l	97
12) 1,1-Dichloroethene	1.85	96	38526	19.66	ug/l	89
13) Acrolein	2.09	56	7250	59.99	ug/l	85
14) Allyl chloride	2.19	41	64581	26.40	ug/l	82
15) Acrylonitrile	3.06	53	32434	94.82	ug/l	91
16) Acetone	2.33	43	71751	101.45	ug/l #	91
17) Carbon Disulfide	1.84	76	112873	22.47	ug/l #	93
18) Methyl Acetate	2.44	43	26291	19.25	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	120546	19.61	ug/l	98
20) Methylene Chloride	2.27	84	41865	20.01	ug/l #	87
21) trans-1,2-Dichloroethene	2.41	96	41827	23.08	ug/l	94
22) Diisopropyl ether	2.92	45	130948	19.05	ug/l	94
23) Vinyl Acetate	3.33	43	394256	98.15	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	95760	22.56	ug/l	99
25) 2-Butanone	4.50	43	86188	91.05	ug/l #	91
26) 2,2-Dichloropropane	3.75	77	79022	28.14	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	52667	24.97	ug/l	85
28) Bromochloromethane	3.88	49	35118	18.79	ug/l #	100
29) Tetrahydrofuran	4.25	42	36769	80.99	ug/l	99
30) Chloroform	4.03	83	127303	20.76	ug/l	95
31) Cyclohexane	3.86	56	56507	25.70	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	111901	28.08	ug/l	94
36) 1,1-Dichloropropene	4.45	75	76873	22.73	ug/l	97
37) Ethyl Acetate	4.28	43	39082	17.76	ug/l #	1
38) Carbon Tetrachloride	4.17	117	111840	28.86	ug/l	98

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Quant Time: Jul 21 00:12:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	68076	26.53	ug/l	96
40) Benzene	4.81	78	153533	23.40	ug/l	100
41) Methacrylonitrile	4.91	41	19031	19.62	ug/l #	84
42) 1,2-Dichloroethane	5.10	62	99247	23.03	ug/l	100
43) Isopropyl Acetate	7.10	43	51153	21.05	ug/l #	95
44) Trichloroethene	5.67	130	57074	23.50	ug/l	95
45) 1,2-Dichloropropane	6.40	63	41658	22.88	ug/l	93
46) Dibromomethane	6.25	93	38338	23.12	ug/l	97
47) Bromodichloromethane	6.54	83	101702	23.83	ug/l	97
48) Methyl methacrylate	6.87	41	35061	20.20	ug/l	92
49) 1,4-Dioxane	6.86	88	4752	568.50	ug/l	94
51) 4-Methyl-2-Pentanone	8.40	43	182432	105.91	ug/l	97
52) Toluene	7.78	92	111940	23.53	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	89350	22.76	ug/l	91
54) cis-1,3-Dichloropropene	7.45	75	85513	21.87	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	42196	22.89	ug/l	94
56) Ethyl methacrylate	8.75	69	46935	20.53	ug/l	98
57) 1,3-Dichloropropane	9.00	76	74629	22.89	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	23548	116.67	ug/l	100
59) 2-Hexanone	9.63	43	140858	108.21	ug/l	95
60) Dibromochloromethane	8.86	129	69943	22.51	ug/l	95
61) 1,2-Dibromoethane	9.13	107	51966	22.72	ug/l	93
64) Tetrachloroethene	8.30	164	58838	22.26	ug/l	96
65) Chlorobenzene	9.93	112	155186	23.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	65576	21.63	ug/l	99
67) Ethyl Benzene	10.03	91	269714	22.77	ug/l	100
68) m/p-Xylenes	10.26	106	193676	46.32	ug/l	96
69) o-Xylene	10.82	106	104319	23.43	ug/l	95
70) Styrene	10.90	104	162068	23.68	ug/l	97
71) Bromoform	10.88	173	43927	20.86	ug/l	93
73) Isopropylbenzene	11.23	105	313790	22.72	ug/l	97
74) N-amyl acetate	11.46	43	82733	18.70	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	62008	20.58	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	49722	20.21	ug/l	95
77) Bromobenzene	11.59	156	86128	22.24	ug/l	92
78) n-propylbenzene	11.68	91	388536	24.52	ug/l	97
79) 2-Chlorotoluene	11.81	91	233797	23.95	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	286344	24.74	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	22179m	19.73	ug/l	
82) 4-Chlorotoluene	11.98	91	254426	23.26	ug/l	97
83) tert-Butylbenzene	12.21	119	274036	24.67	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	285029	23.93	ug/l	96
85) sec-Butylbenzene	12.39	105	362482	25.66	ug/l	99
86) p-Isopropyltoluene	12.54	119	311001	25.30	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	162307	24.43	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	151857	23.20	ug/l	97
89) n-Butylbenzene	12.91	91	307228	26.70	ug/l	94
90) Hexachloroethane	12.99	117	74636	26.73	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	147219	23.17	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12890	18.88	ug/l	84

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ALS Vial : 86 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	109733	28.43	ug/l	99
94) Hexachlorobutadiene	14.25	225	66288	33.52	ug/l	95
95) Naphthalene	14.52	128	193717	24.16	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	96018	27.53	ug/l	95

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

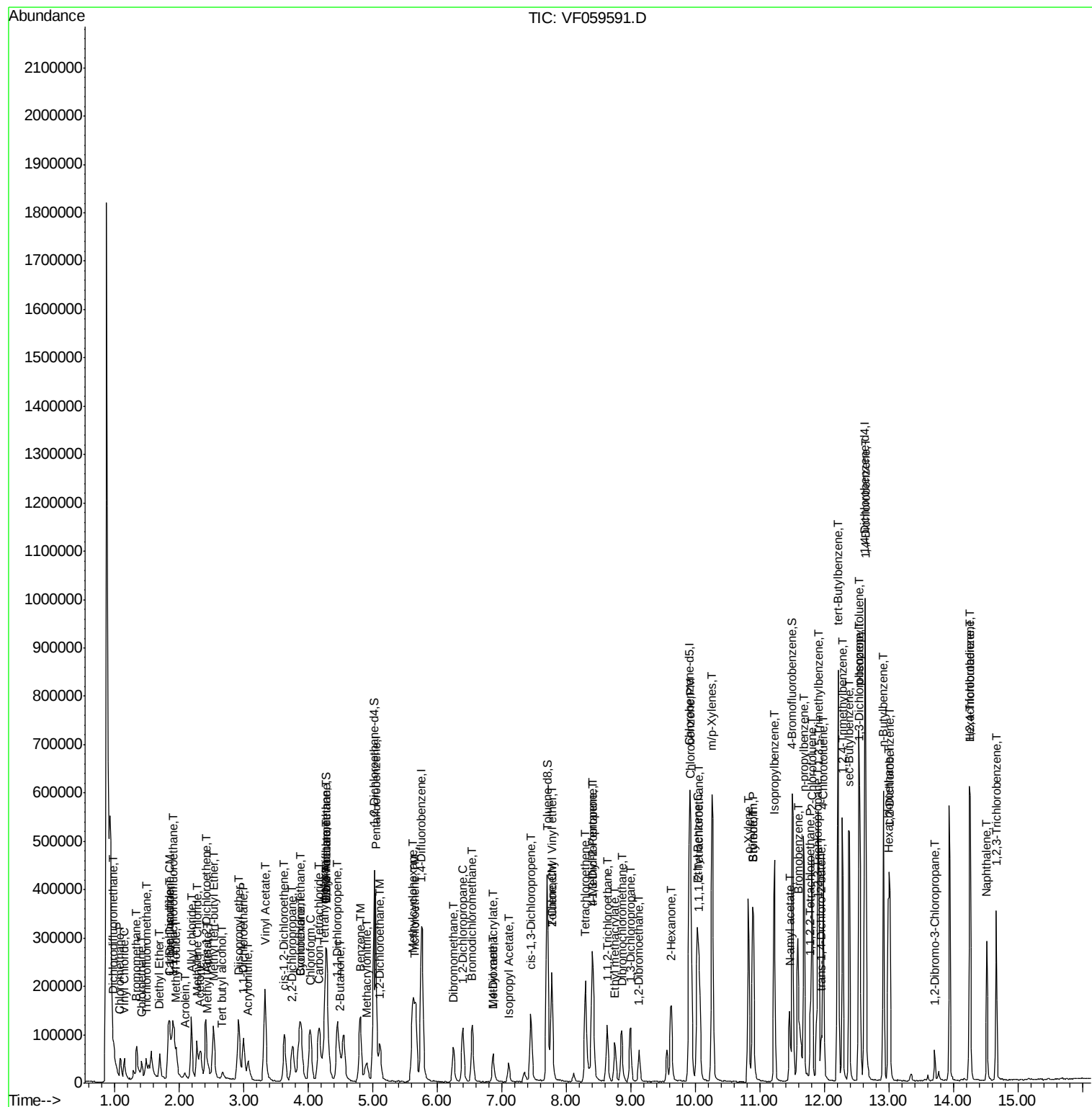
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059591.D
 Acq On : 20 Jul 2018 20:04
 Operator : VA/AP
 Sample : VF0720SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 86 Sample Multiplier: 1

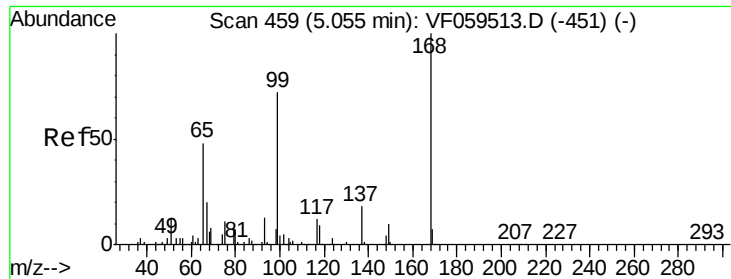
Instrument :
 MSVOA_F
 Client Sample Id :
 VF0720SBSD01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion:168 Resp: 262150

Ion Ratio Lower Upper

168 100

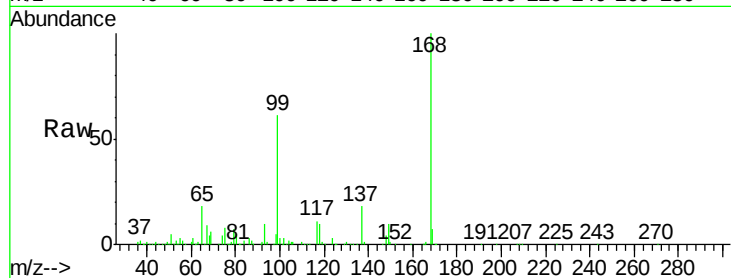
99 60.5 57.6 86.4

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

120000

100000

80000

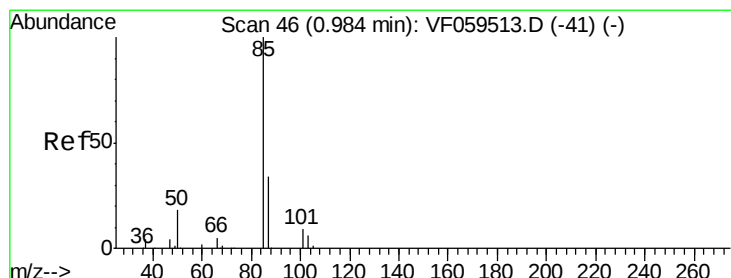
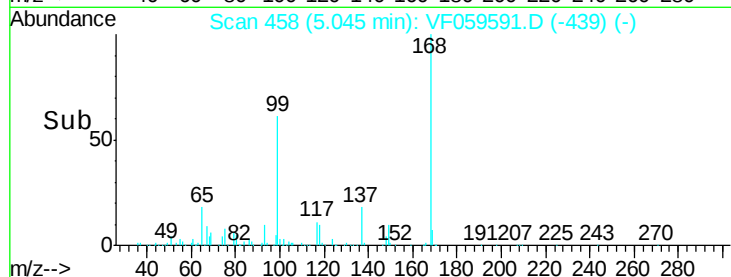
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.49 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059591.D

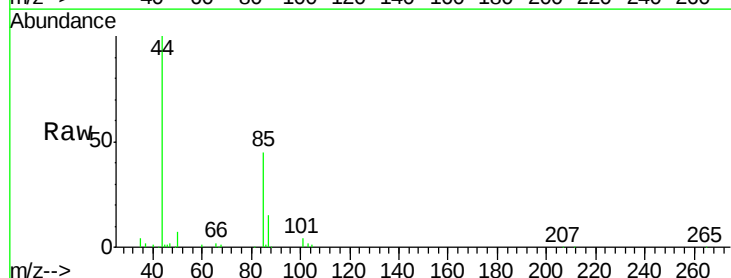
Acq: 20 Jul 2018 20:04

Tgt Ion: 85 Resp: 62594

Ion Ratio Lower Upper

85 100

87 34.6 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

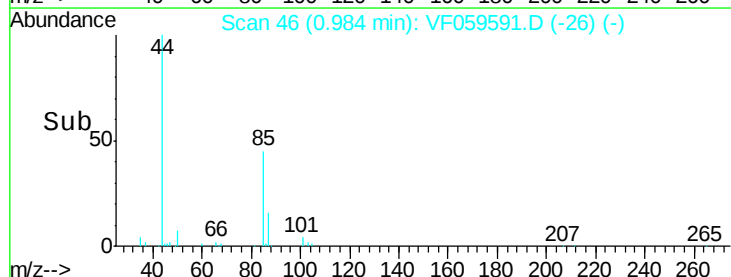
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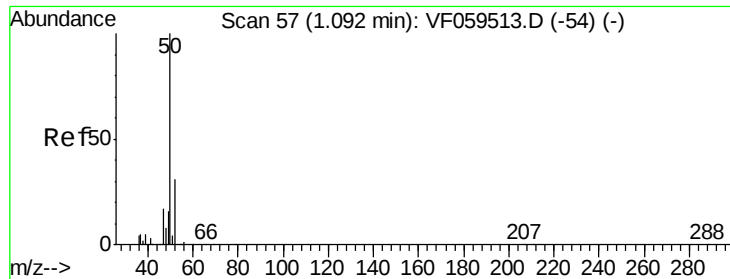
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.63 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 50 Resp: 34692

Ion Ratio Lower Upper

50 100

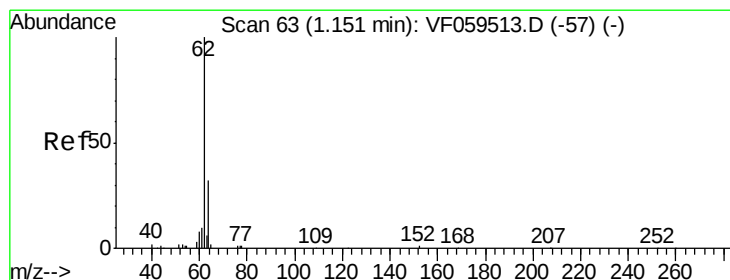
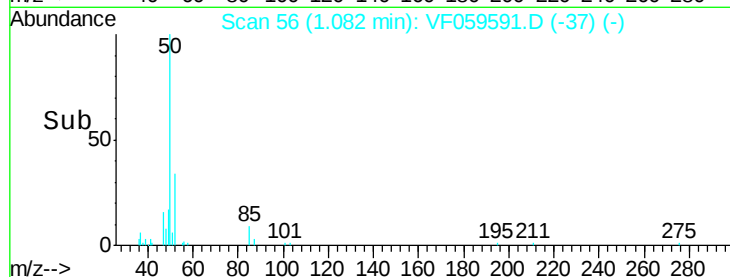
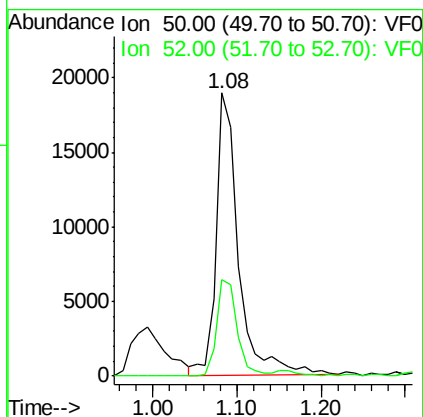
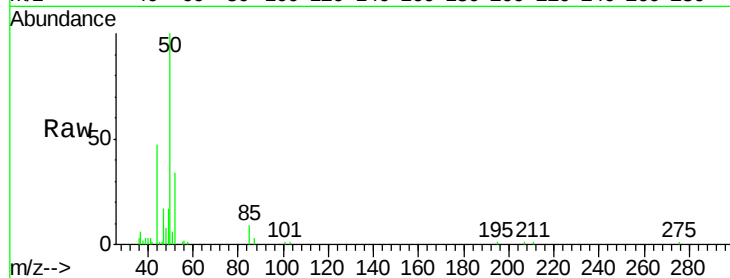
52 34.2 24.6 37.0

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#4

Vinyl Chloride

Concen: 22.33 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059591.D

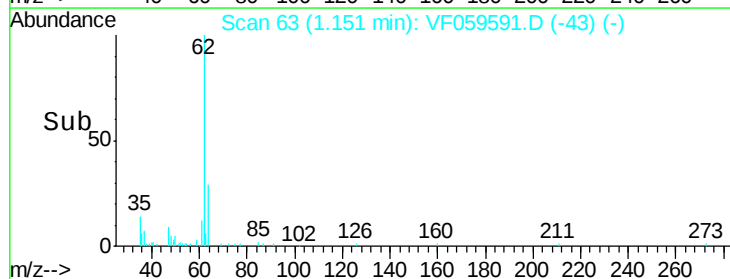
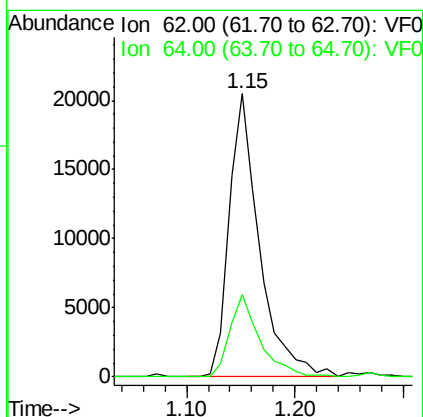
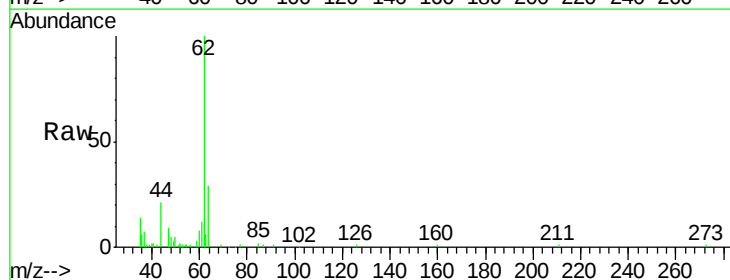
Acq: 20 Jul 2018 20:04

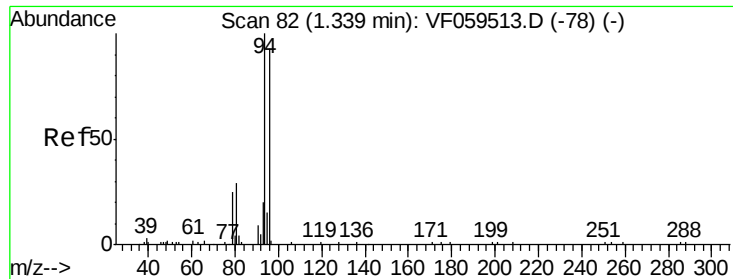
Tgt Ion: 62 Resp: 39820

Ion Ratio Lower Upper

62 100

64 29.2 25.7 38.5





#5

Bromomethane

Concen: 26.10 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 32253

Ion Ratio Lower Upper

94 100

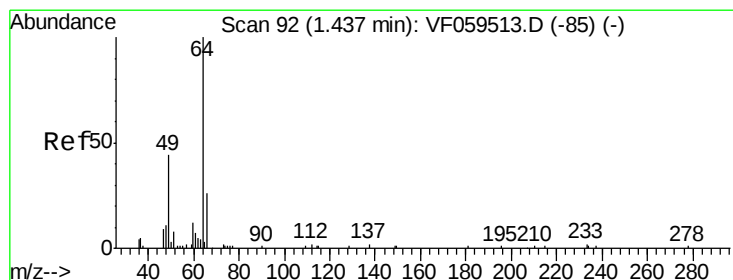
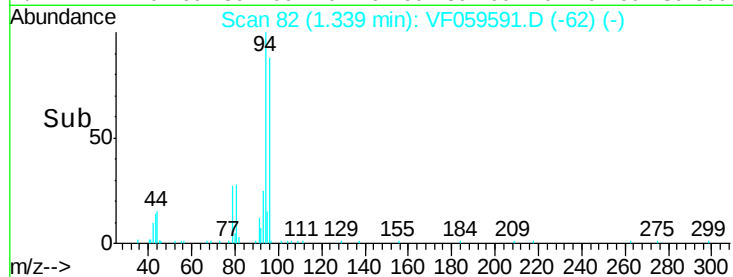
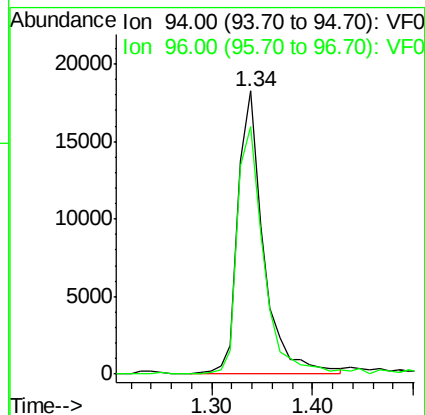
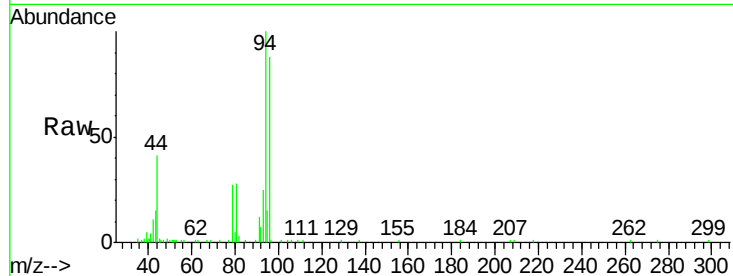
96 87.6 74.2 111.2

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#6

Chloroethane

Concen: 24.01 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059591.D

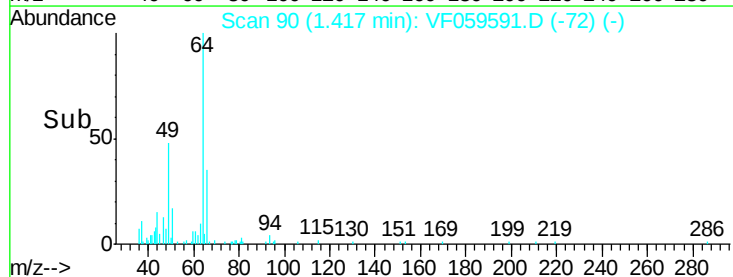
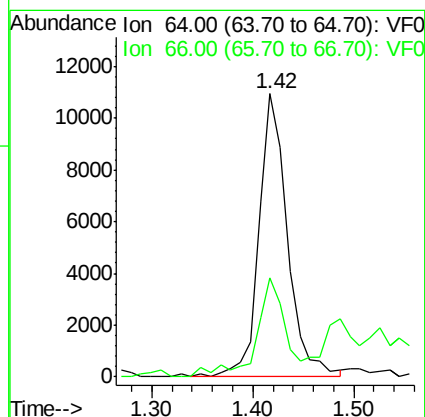
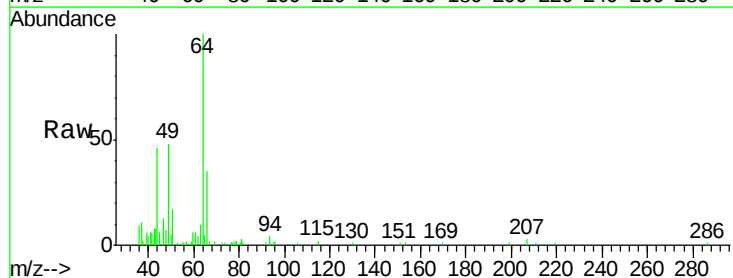
Acq: 20 Jul 2018 20:04

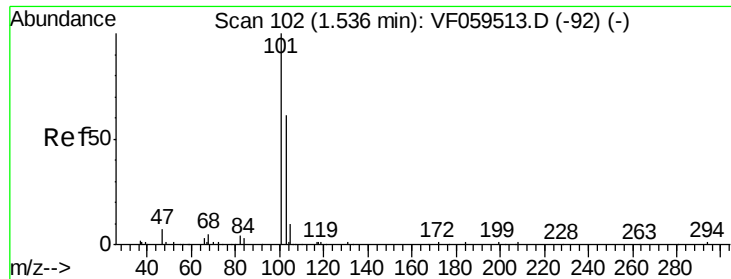
Tgt Ion: 64 Resp: 21589

Ion Ratio Lower Upper

64 100

66 34.8 22.9 34.3#





#7

Trichlorofluoromethane

Concen: 19.16 ug/l m

RT: 1.49 min Scan# 97

Delta R.T. -0.05 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion:101 Resp: 83615

Ion Ratio Lower Upper

101 100

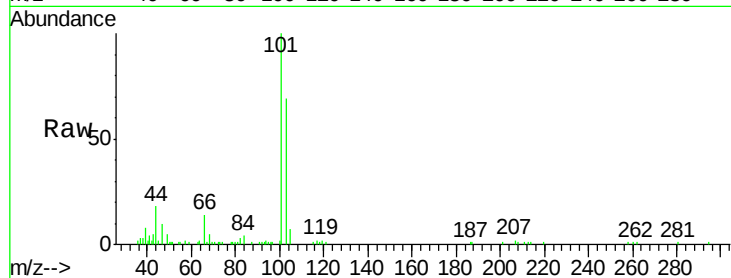
103 68.5 48.6 72.8

Manual Integrations

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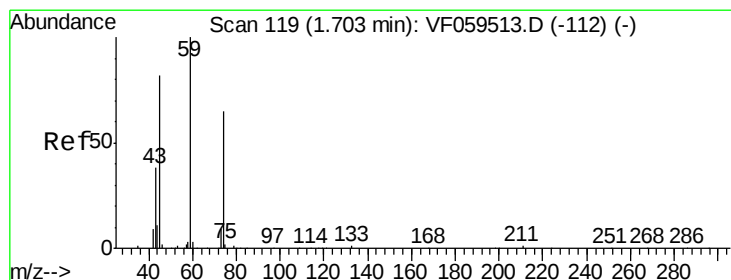
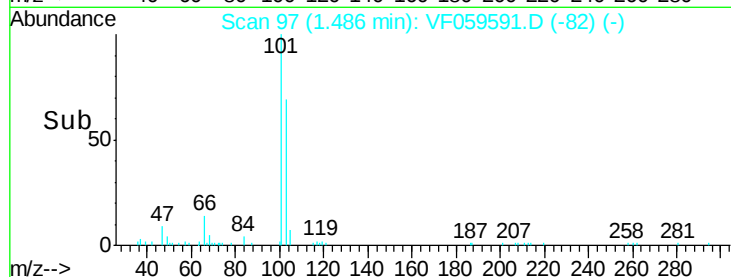
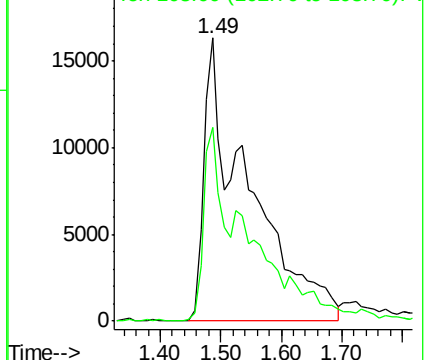
apatel

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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: 19.09 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF059591.D

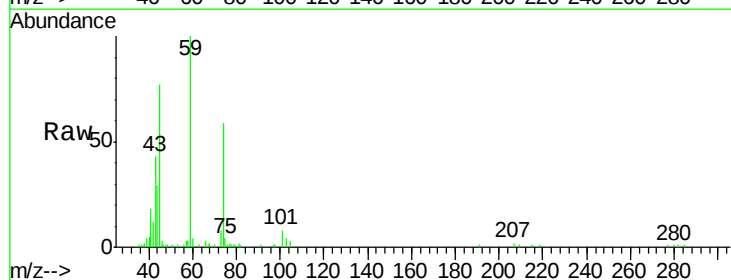
Acq: 20 Jul 2018 20:04

Tgt Ion: 74 Resp: 16028

Ion Ratio Lower Upper

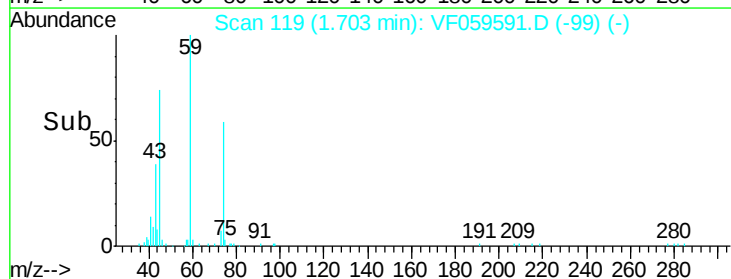
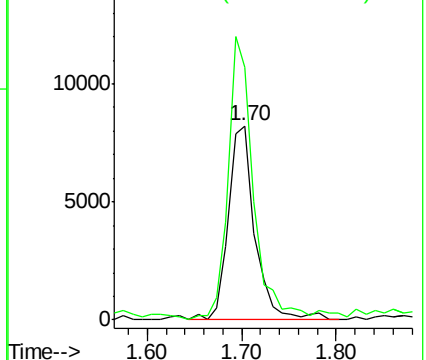
74 100

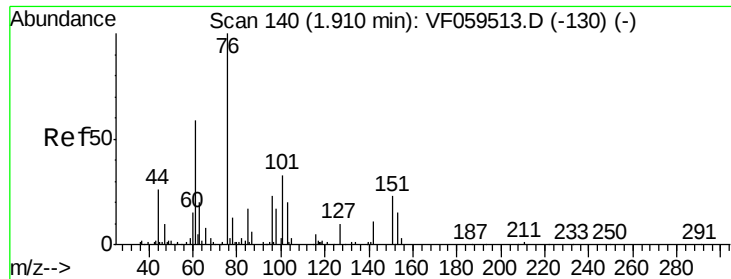
45 130.1 63.6 190.9



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: 29.39 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

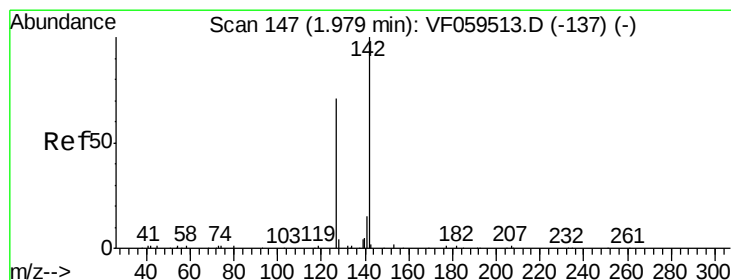
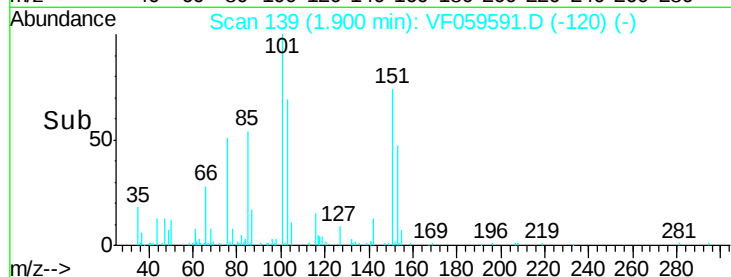
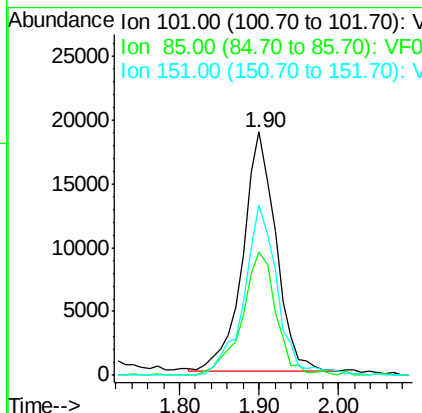
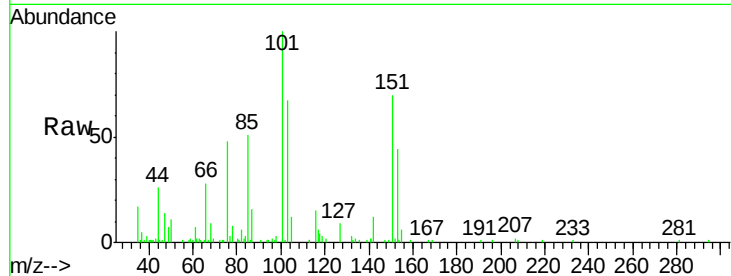
ClientSampleId :

VF0720SBS01

Tot Ion:	101	Resp:	54161
Ion Ratio	Lower	Upper	
101	100		
85	50.7	39.8	59.6
151	69.9	54.2	81.2

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#10

Methyl Iodide

Concen: 29.21 ug/l

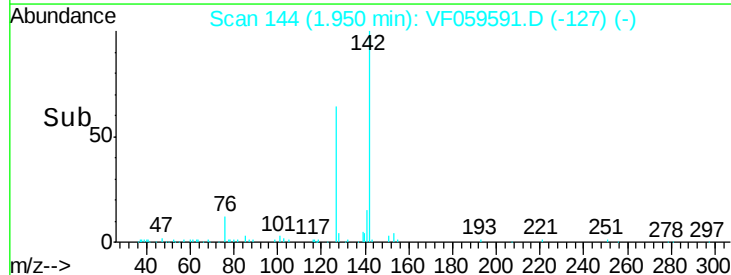
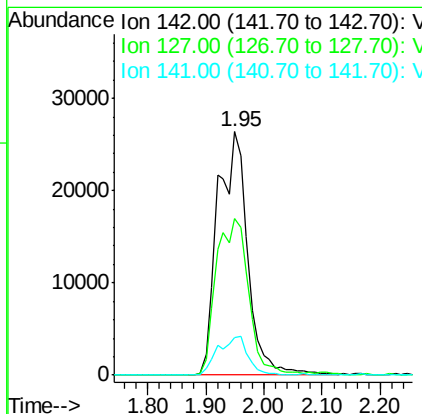
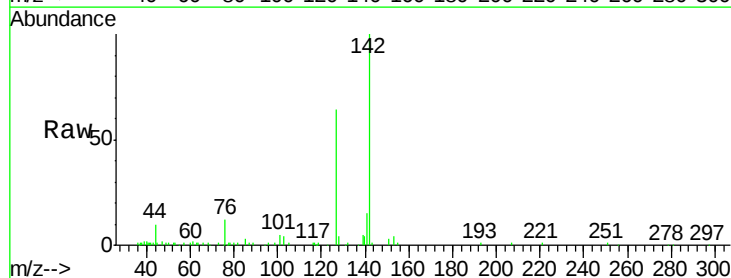
RT: 1.95 min Scan# 144

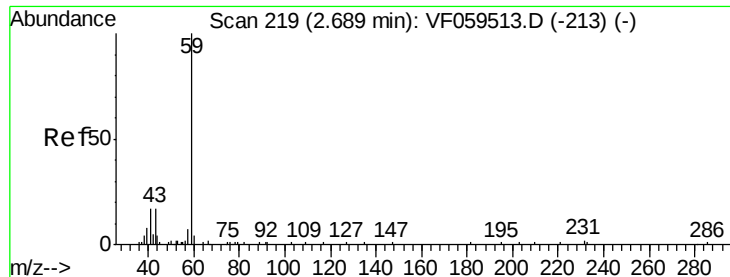
Delta R.T. -0.03 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion:	142	Resp:	94241
Ion Ratio	Lower	Upper	
142	100		
127	64.3	56.4	84.6
141	15.4	12.0	18.0





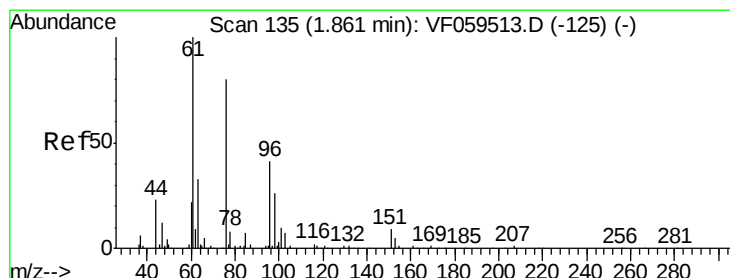
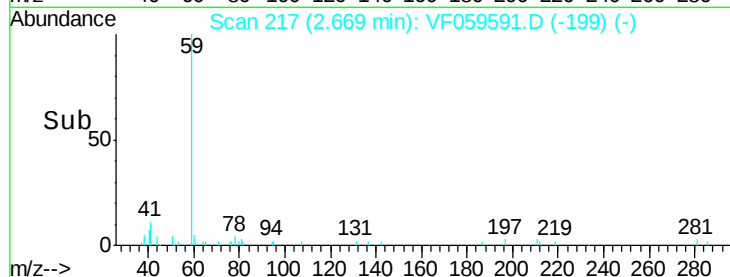
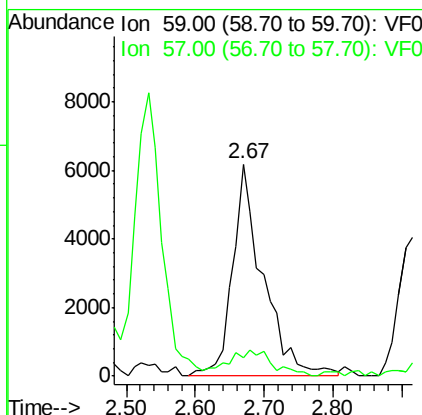
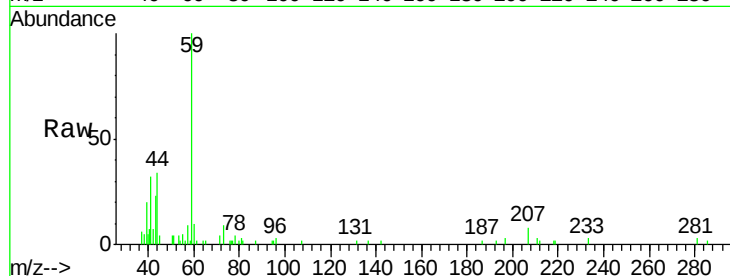
#11
Tert butyl alcohol
Concen: 102.67 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.5	7.7	11.5

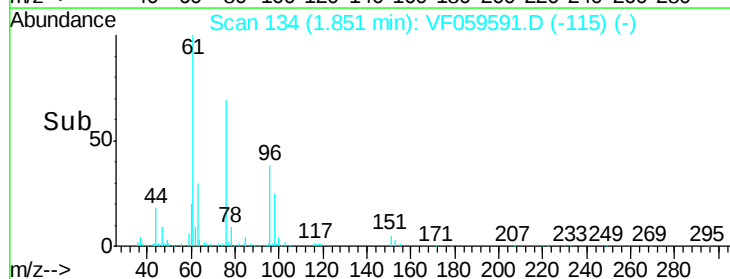
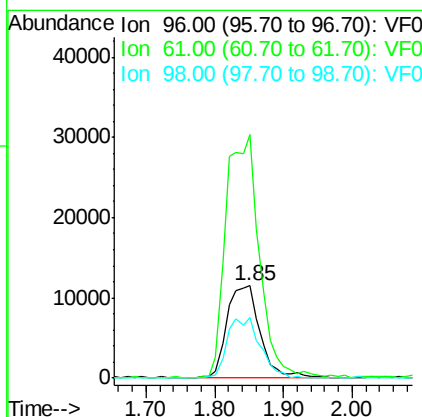
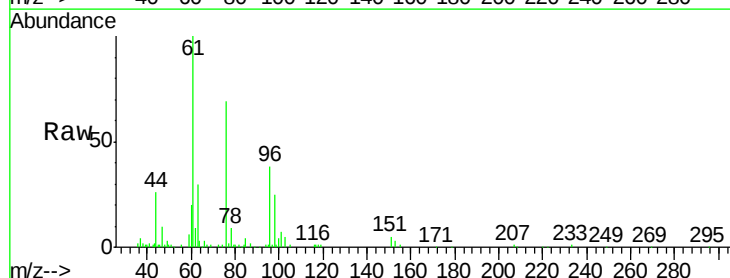
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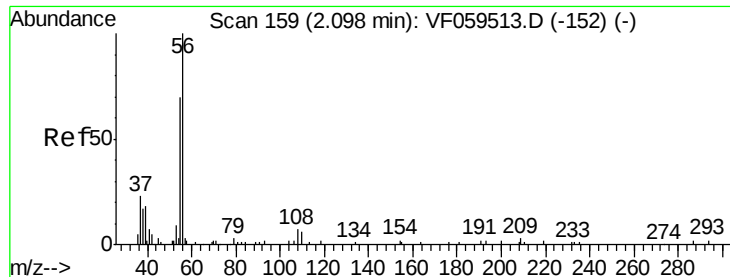
apatel
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#12
1,1-Dichloroethene
Concen: 19.66 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	264.3	194.3	291.5
98	66.0	50.3	75.5





#13

Acrolein

Concen: 59.99 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 56 Resp: 7250

Ion Ratio Lower Upper

56 100

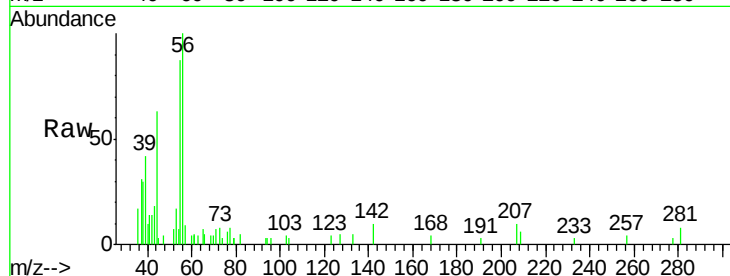
55 87.4 59.4 89.2

Manual Integrations

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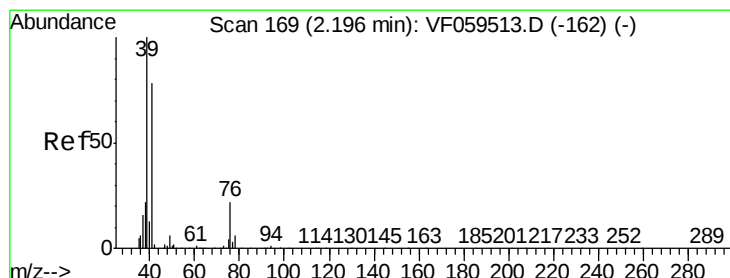
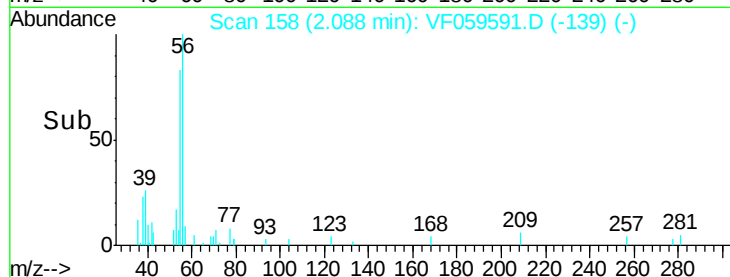
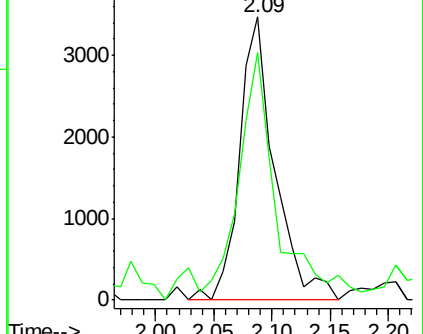
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 26.40 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

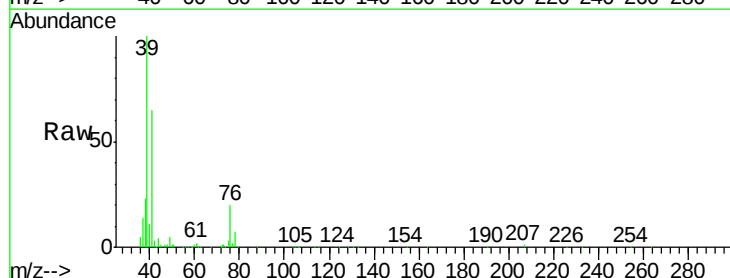
Tgt Ion: 41 Resp: 64581

Ion Ratio Lower Upper

41 100

39 153.0 103.0 154.4

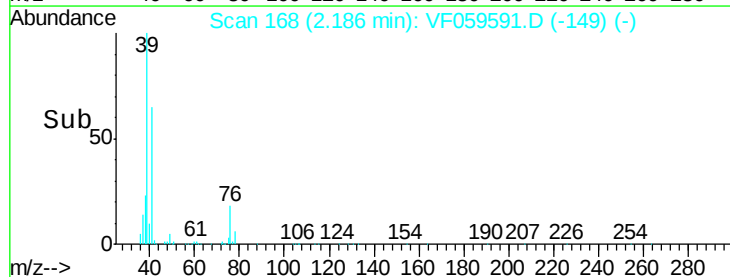
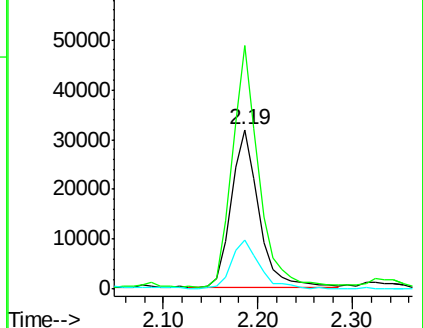
76 30.8 22.6 34.0

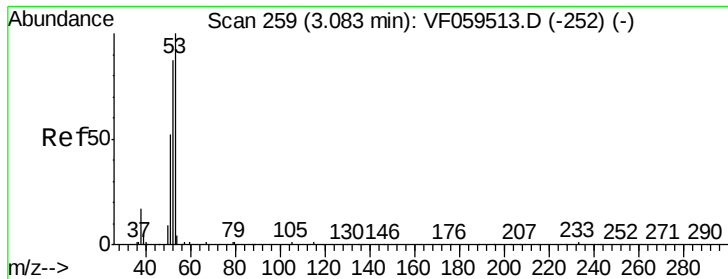


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 94.82 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

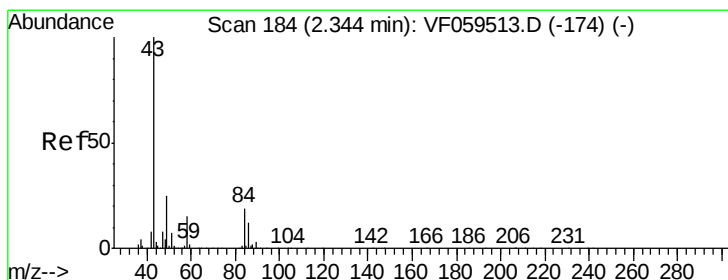
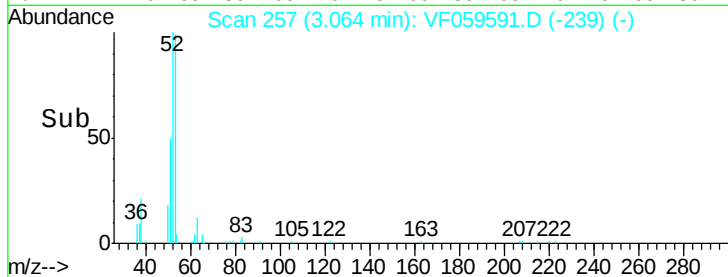
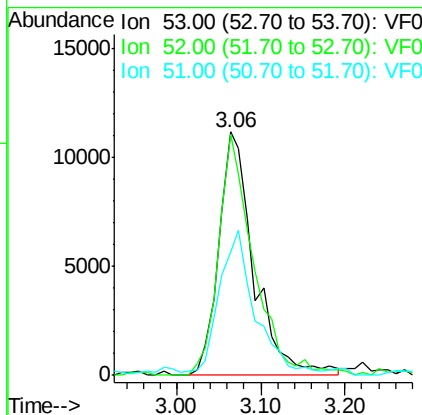
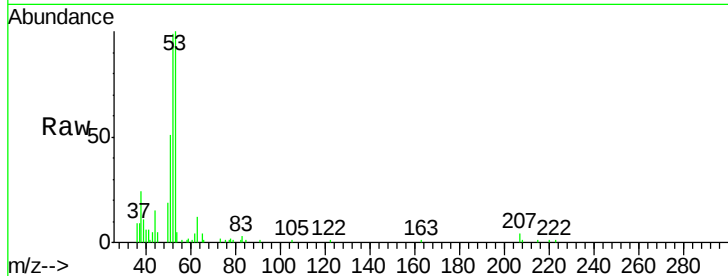
ClientSampleId :

VF0720SBS01

Tot Ion:	53	Resp:	32434
Ion	Ratio	Lower	Upper
53	100		
52	98.8	70.1	105.1
51	50.7	42.5	63.7

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#16

Acetone

Concen: 101.45 ug/l

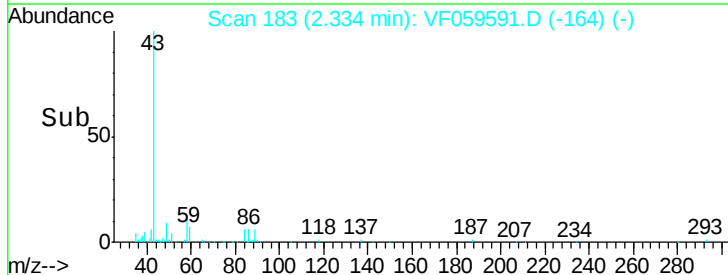
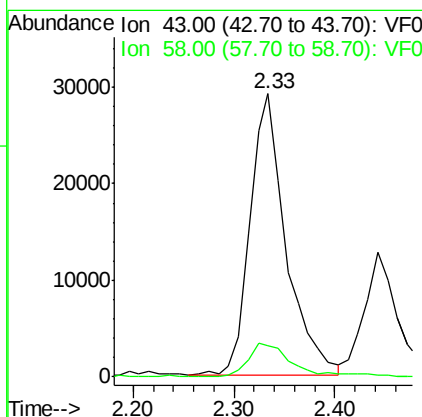
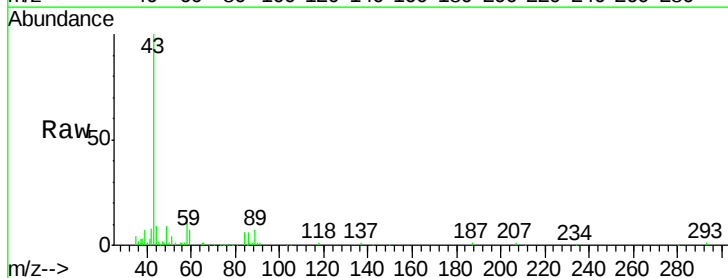
RT: 2.33 min Scan# 183

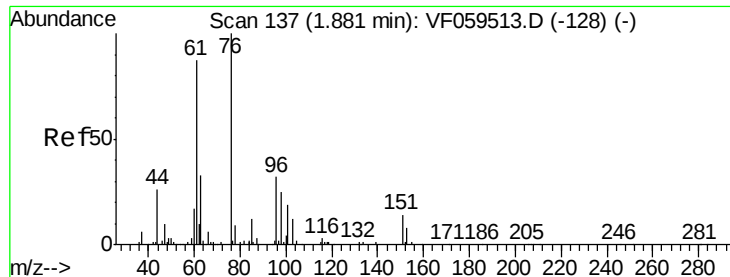
Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion:	43	Resp:	71751
Ion	Ratio	Lower	Upper
43	100		
58	11.2	11.8	17.6#





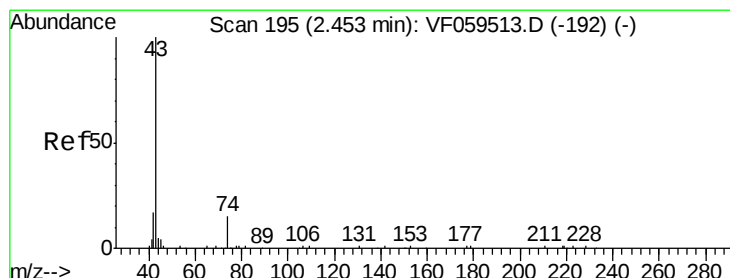
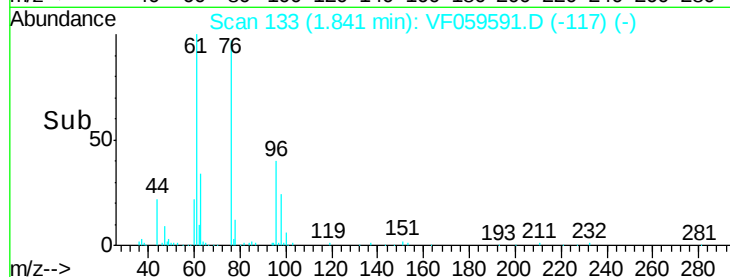
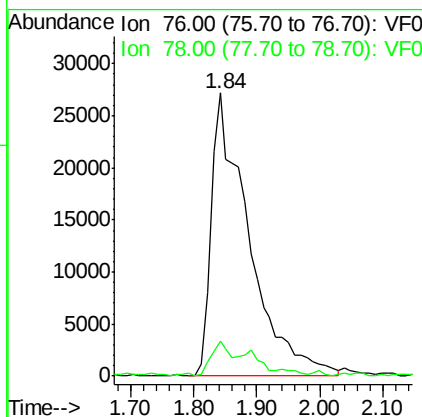
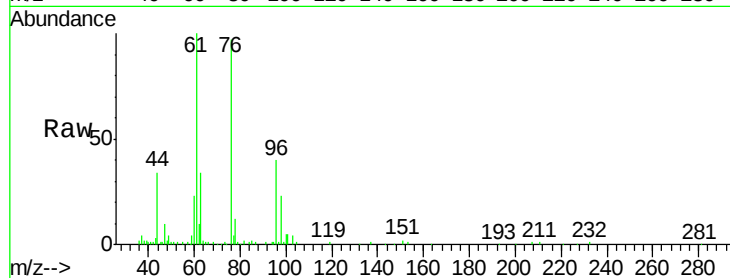
#17
Carbon Disulfide
Concen: 22.47 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.04 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.4	7.8	11.6#

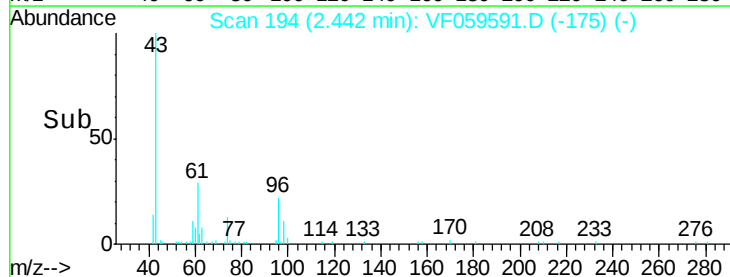
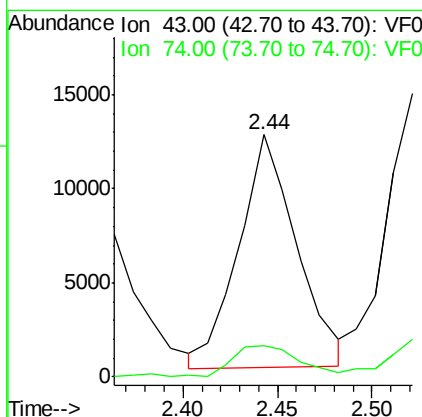
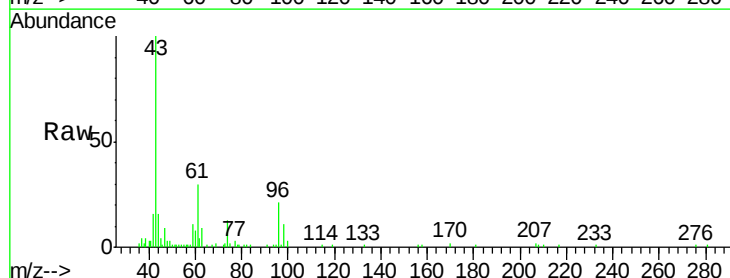
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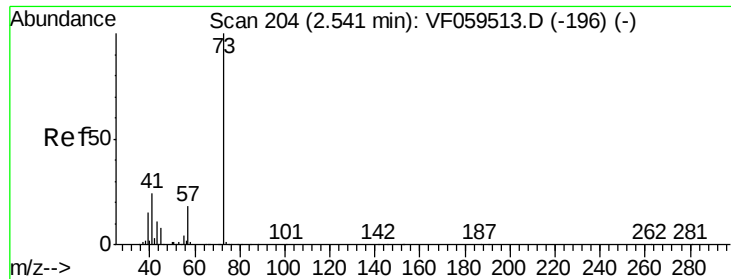
apatel
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#18
Methyl Acetate
Concen: 19.25 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.7	10.6	15.8





#19

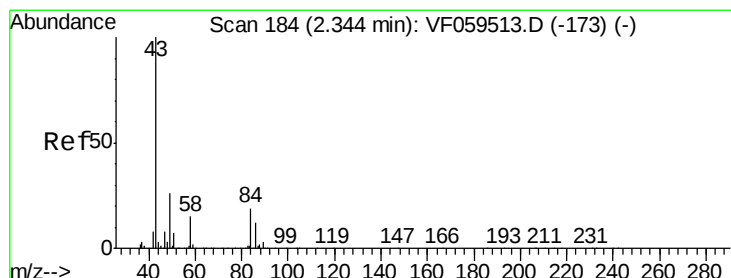
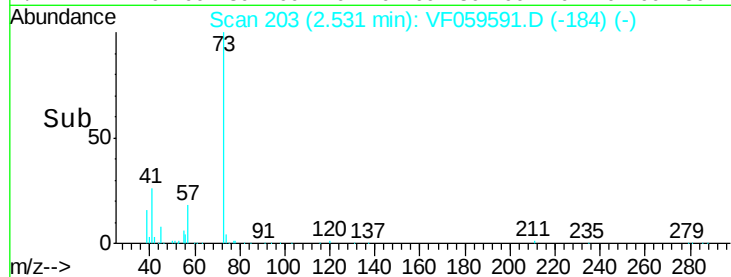
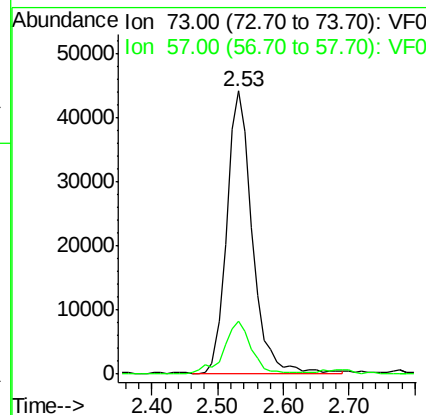
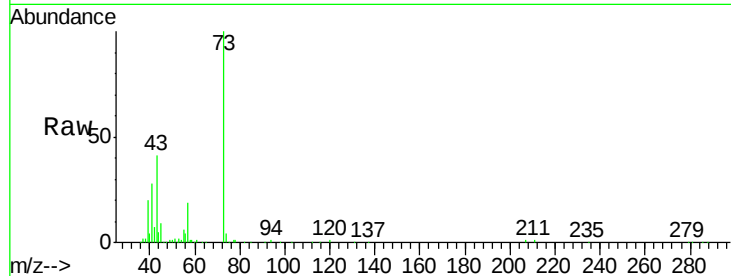
Methyl tert-butyl Ether
 Concen: 19.61 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.7	14.3	21.5

Manual Integrations
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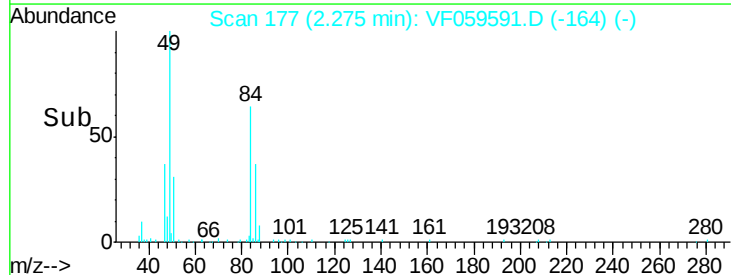
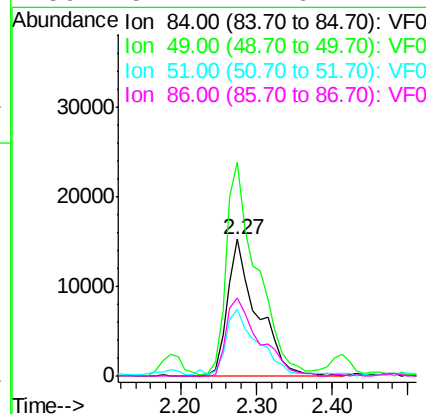
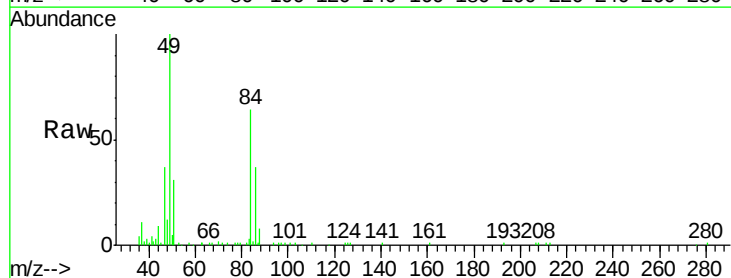
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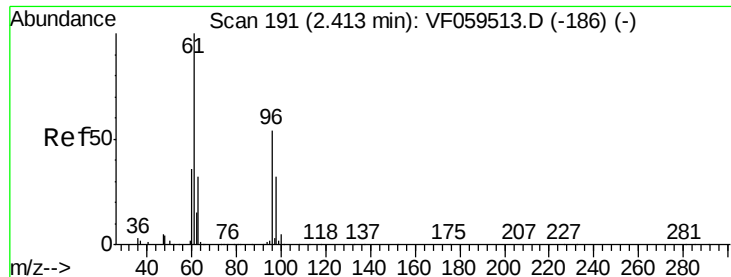


#20

Methylene Chloride
 Concen: 20.01 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. -0.07 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.4	109.4	164.2
51	49.2	30.5	45.7
86	57.2	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 23.08 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

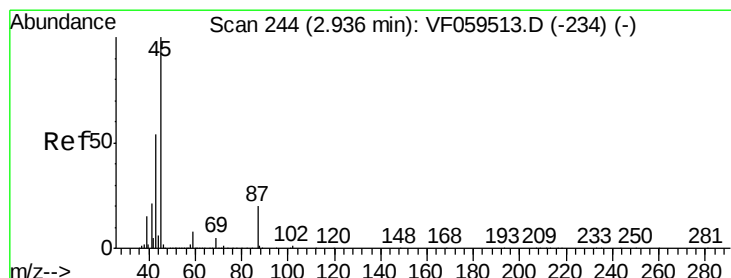
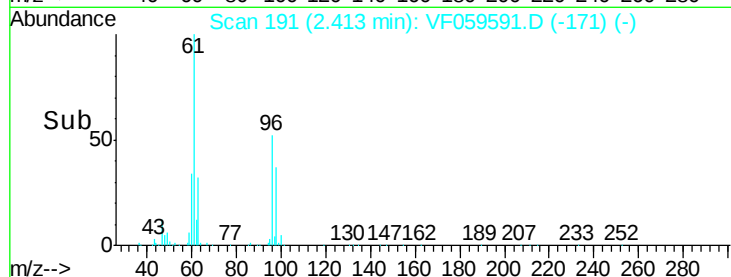
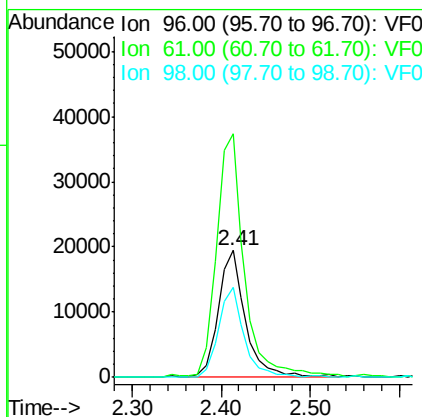
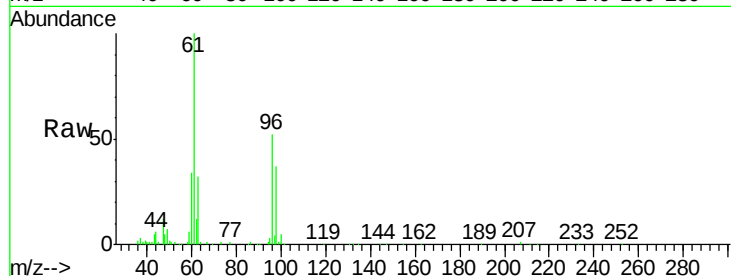
ClientSampleId :

VF0720SBS01

Tot Ion:	96	Resp:	41827
Ion	Ratio	Lower	Upper
96	100		
61	191.7	149.8	224.8
98	71.1	47.8	71.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.05 ug/l

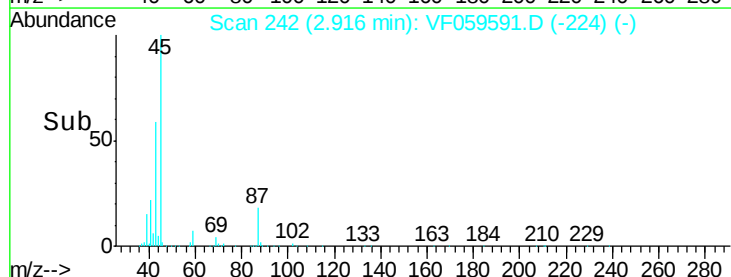
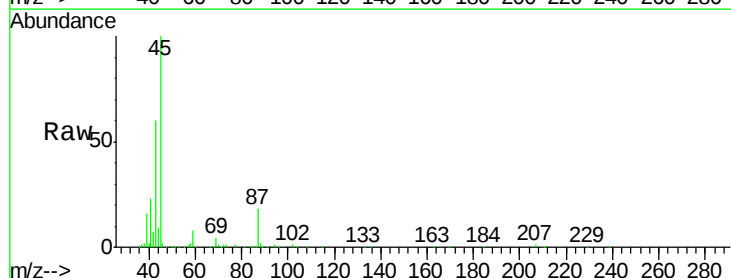
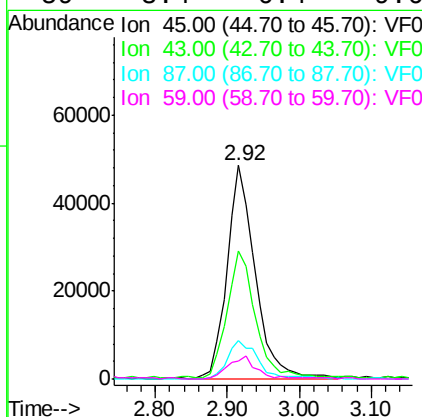
RT: 2.92 min Scan# 242

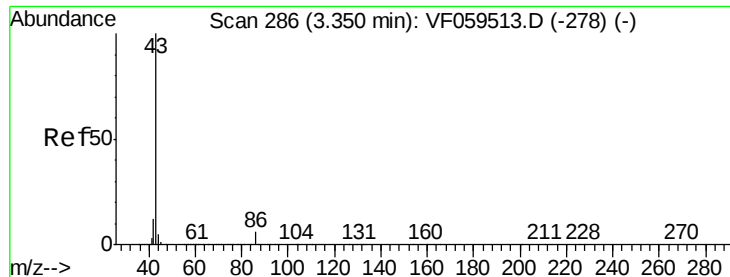
Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion:	45	Resp:	130948
Ion	Ratio	Lower	Upper
45	100		
43	59.7	43.6	65.4
87	18.0	15.6	23.4
59	8.4	6.4	9.6





#23

Vinyl Acetate

Concen: 98.15 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 43 Resp: 394256

Ion Ratio Lower Upper

43 100

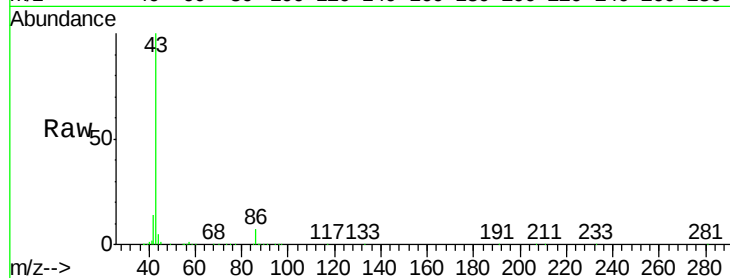
86 6.9 4.4 6.6#

Manual Integrations

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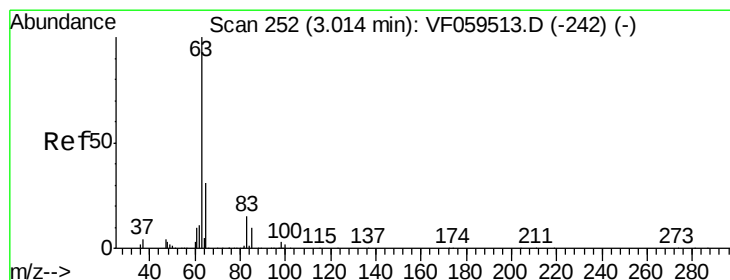
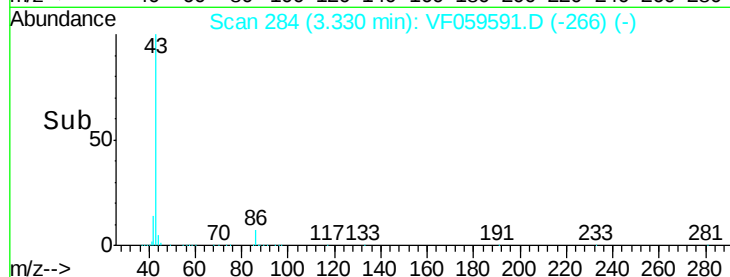
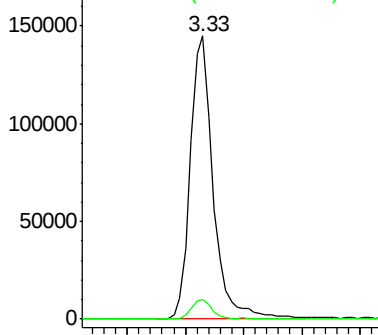
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.56 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

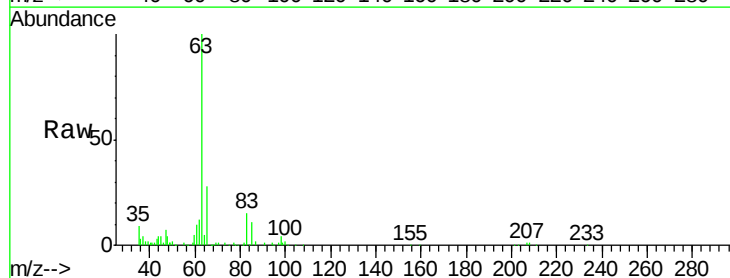
Tgt Ion: 63 Resp: 95760

Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.4

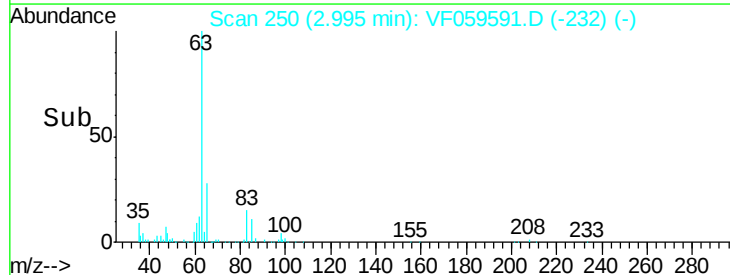
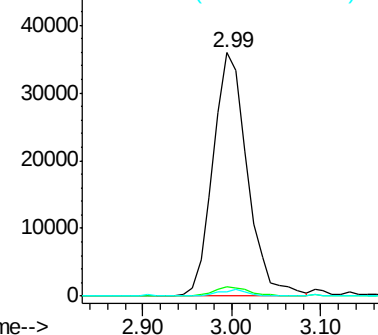
100 1.9 1.3 3.8

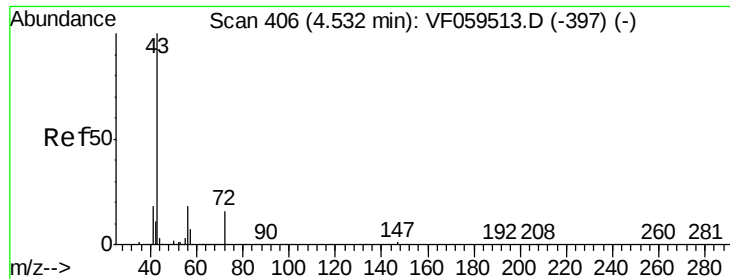


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 91.05 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 43 Resp: 86188

Ion Ratio Lower Upper

43 100

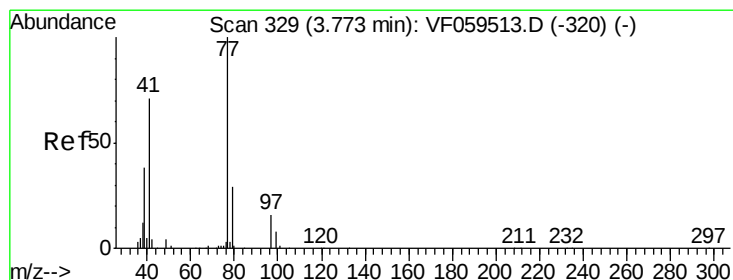
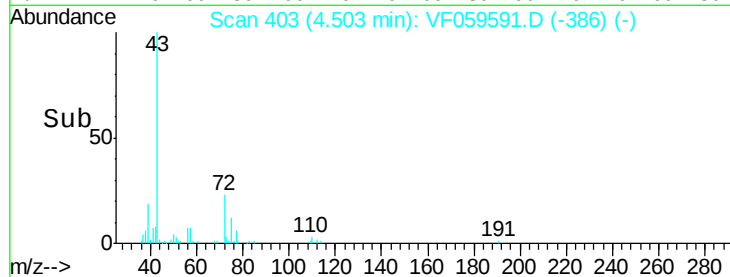
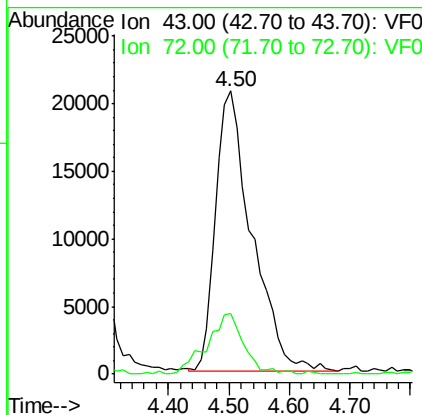
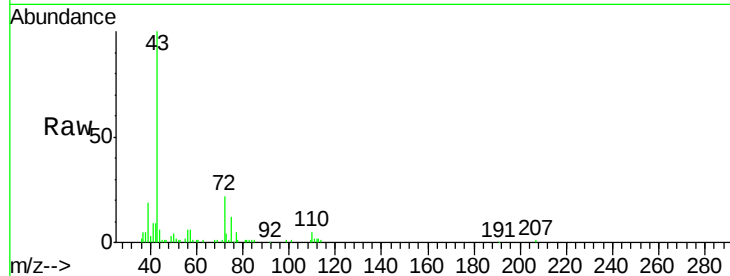
72 21.6 14.2 21.4#

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#26

2,2-Dichloropropane

Concen: 28.14 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059591.D

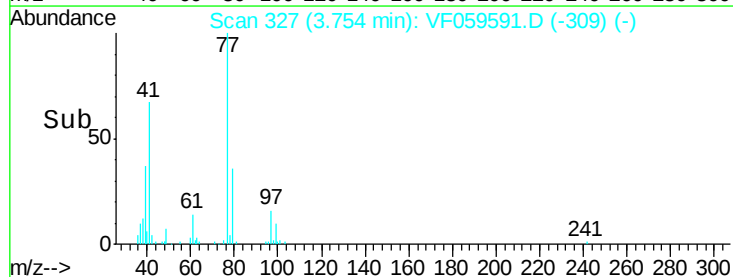
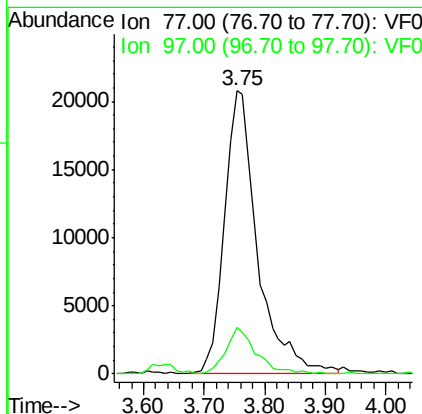
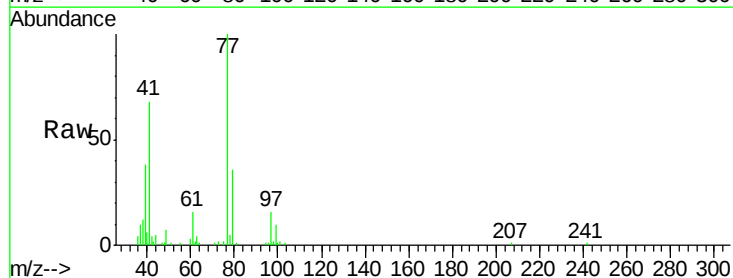
Acq: 20 Jul 2018 20:04

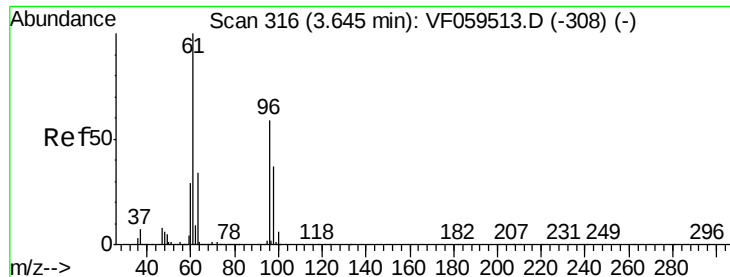
Tgt Ion: 77 Resp: 79022

Ion Ratio Lower Upper

77 100

97 16.3 8.1 24.3





#27

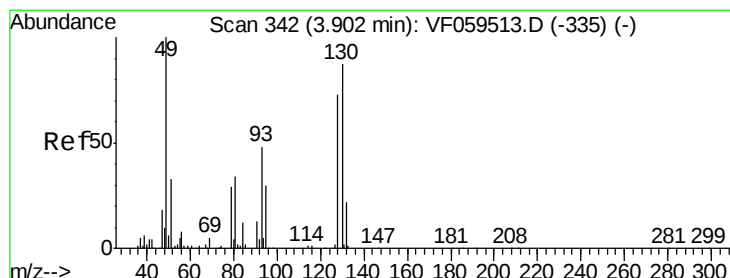
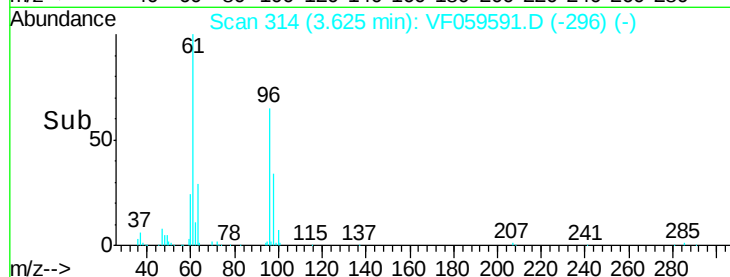
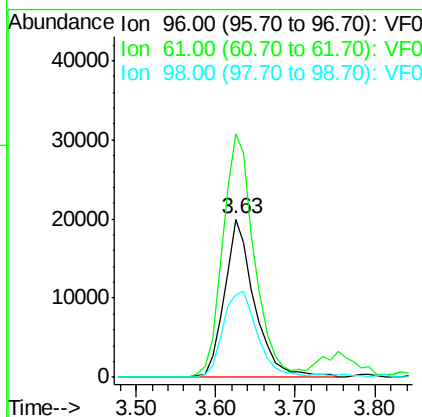
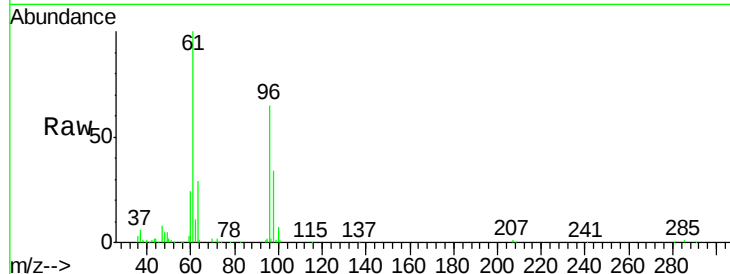
cis-1,2-Dichloroethene
Concen: 24.97 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	339.0
98	50.4	0.0	125.4

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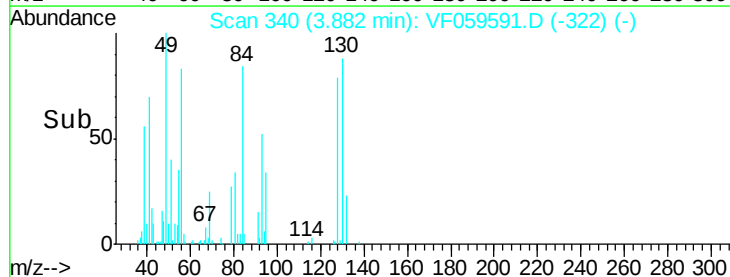
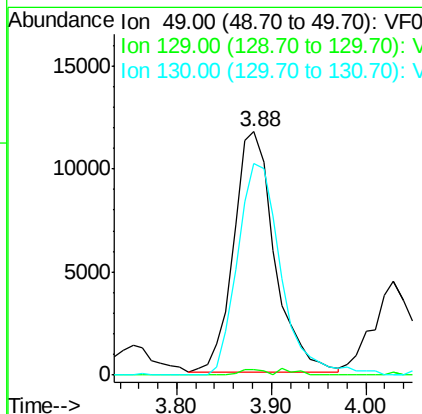
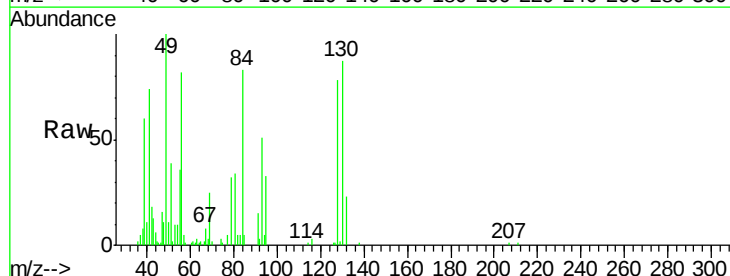
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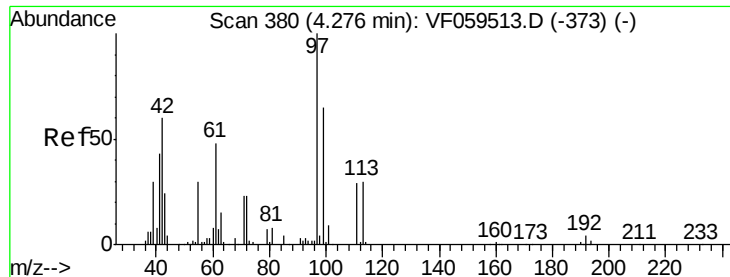


#28

Bromochloromethane
Concen: 18.79 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	0.0#
130	86.8	69.8	104.6





#29

Tetrahydrofuran

Concen: 80.99 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.03 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

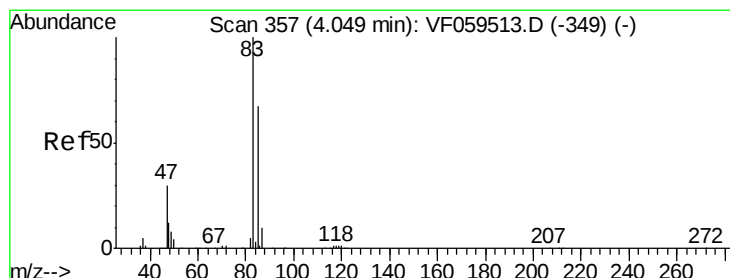
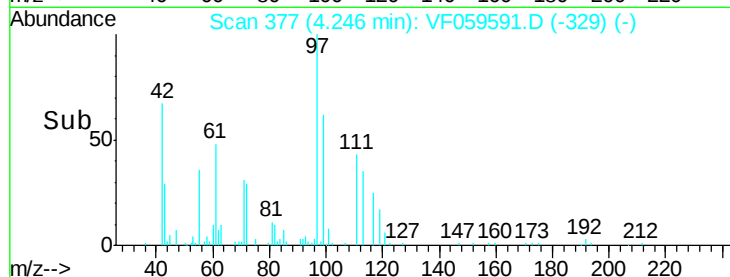
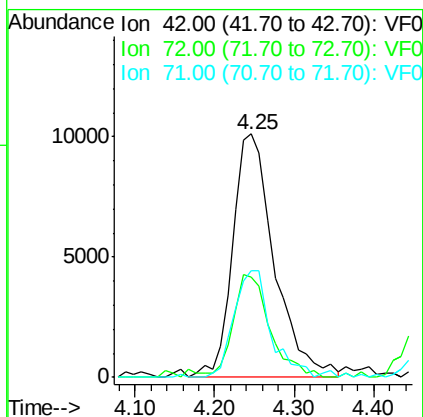
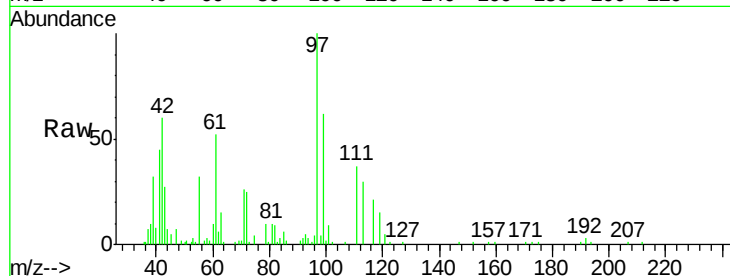
ClientSampleId :

VF0720SBS01

Tot Ion:	42	Resp:	36769
Ion Ratio	Lower	Upper	
42	100		
72	36.9	28.7	43.1
71	38.8	30.8	46.2

Manual Integrations
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#30

Chloroform

Concen: 20.76 ug/l

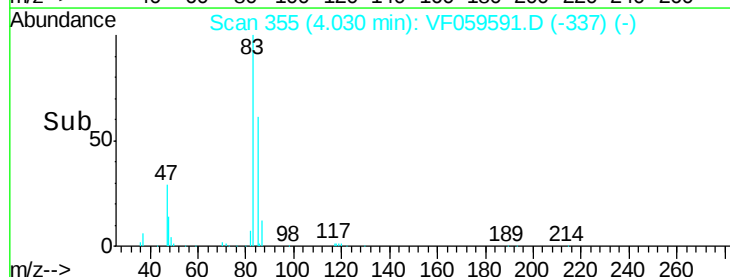
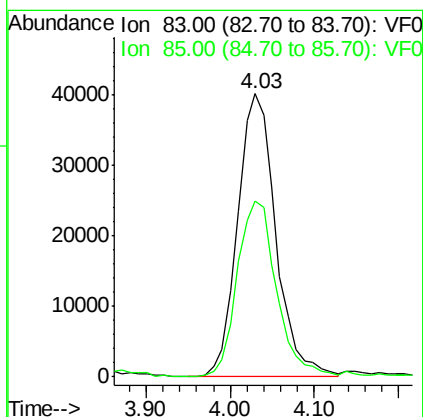
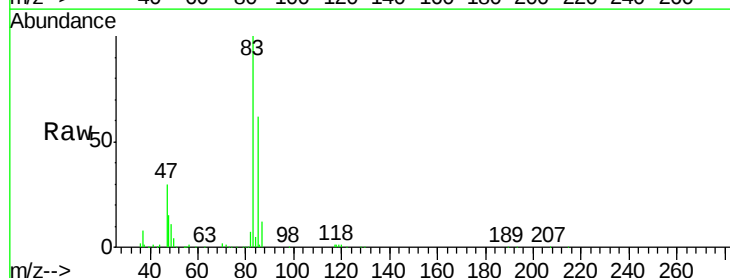
RT: 4.03 min Scan# 355

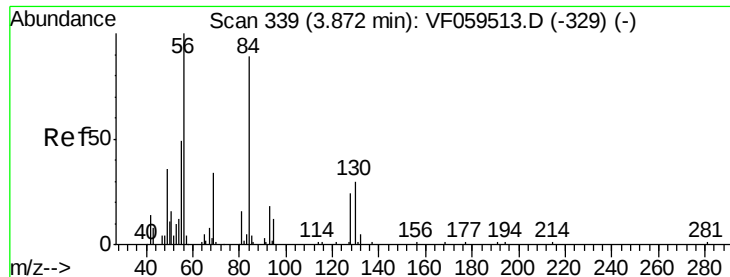
Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion:	83	Resp:	127303
Ion Ratio	Lower	Upper	
83	100		
85	62.2	53.2	79.8





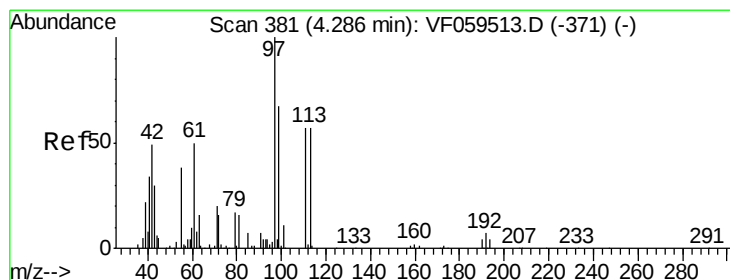
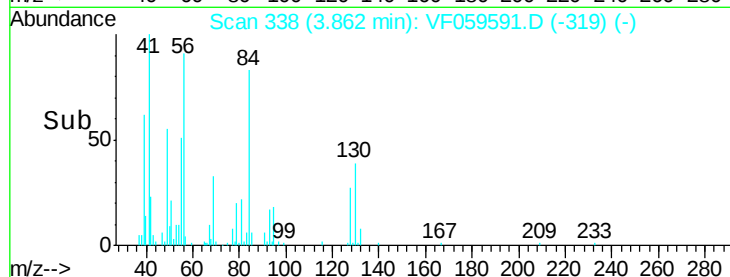
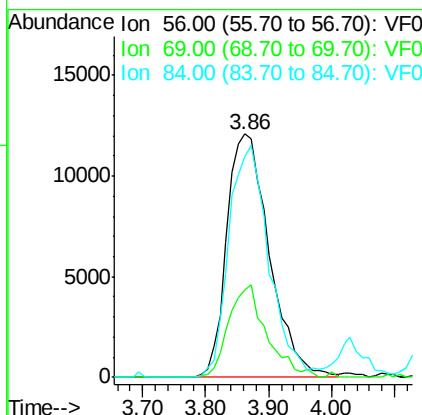
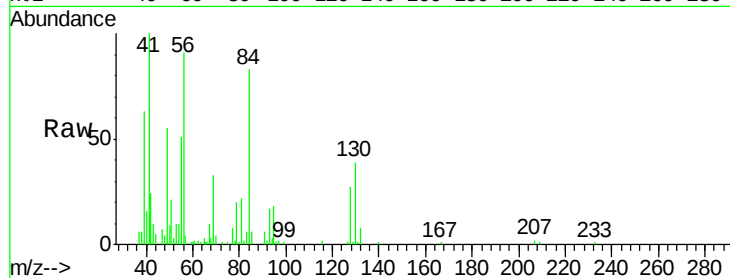
#31
Cyclohexane
Concen: 25.70 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	27.6	41.4
84	90.7	71.4	107.2

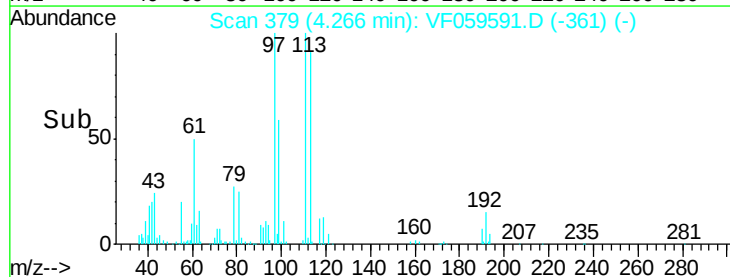
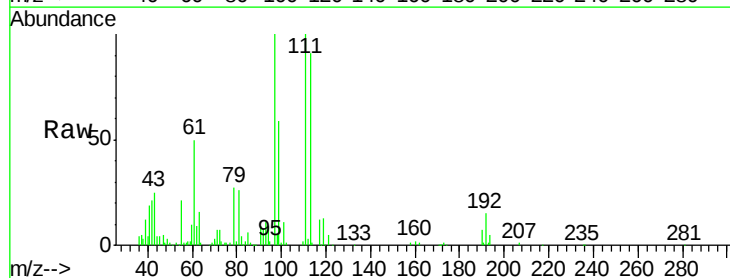
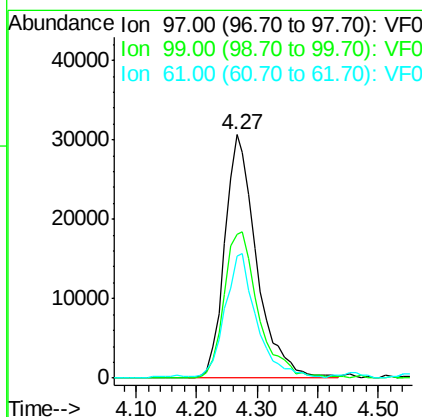
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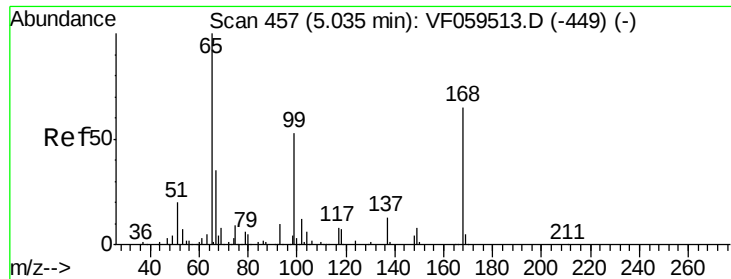
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#32
1,1,1-Trichloroethane
Concen: 28.08 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.3	53.5	80.3
61	50.1	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 45.99 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 65 Resp: 187495

Ion Ratio Lower Upper

65 100

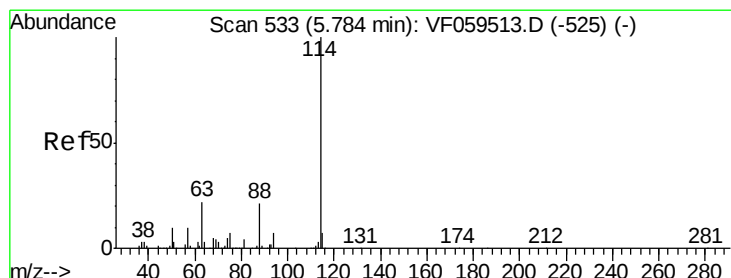
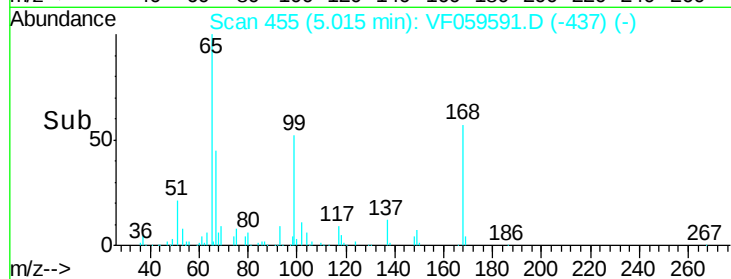
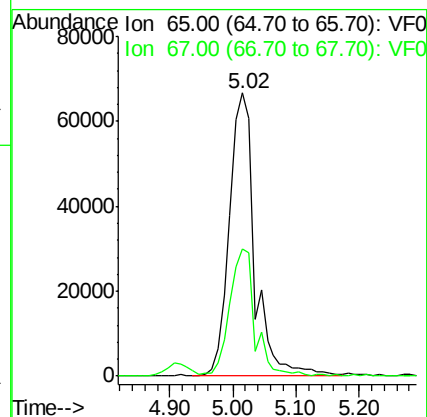
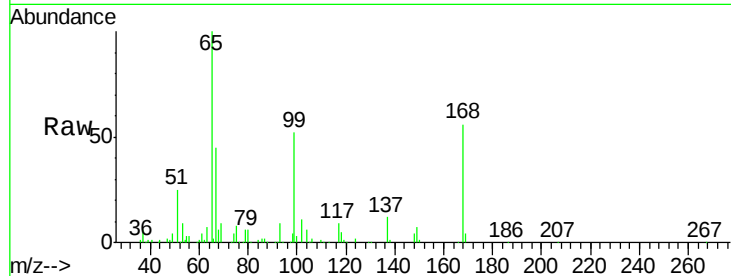
67 45.1 0.0 91.2

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

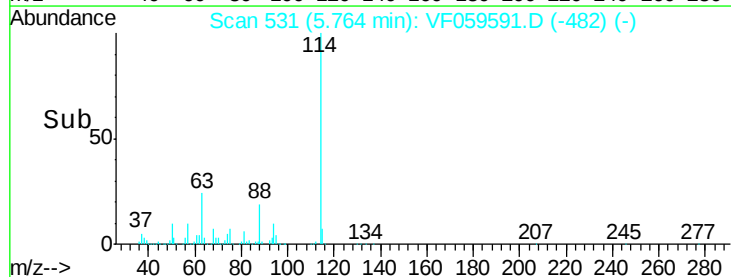
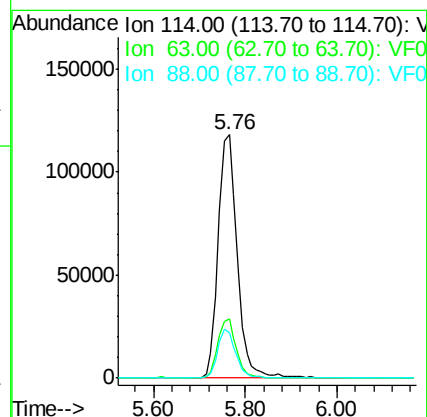
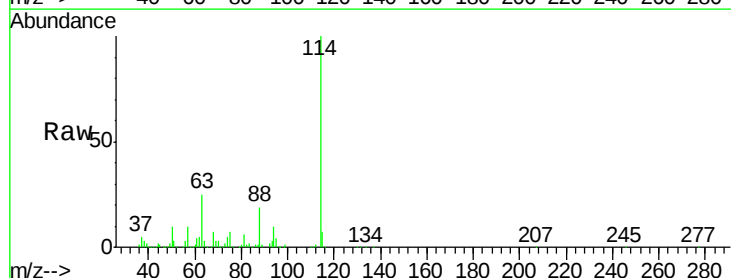
Tgt Ion: 114 Resp: 337842

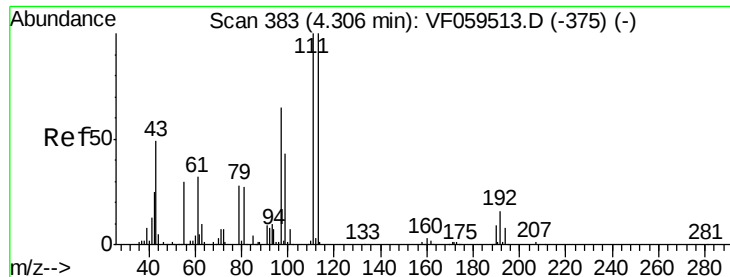
Ion Ratio Lower Upper

114 100

63 24.5 0.0 44.8

88 18.7 0.0 42.6





#35

Dibromofluoromethane

Concen: 52.90 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

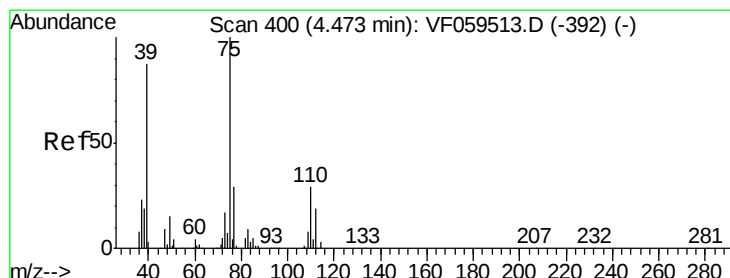
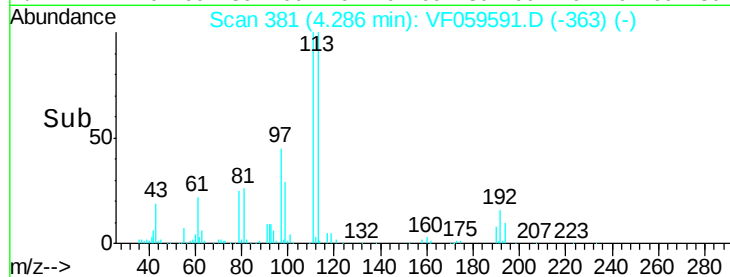
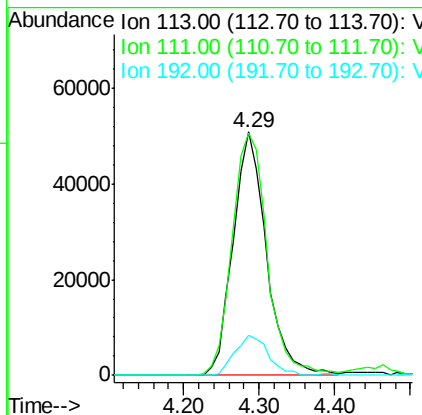
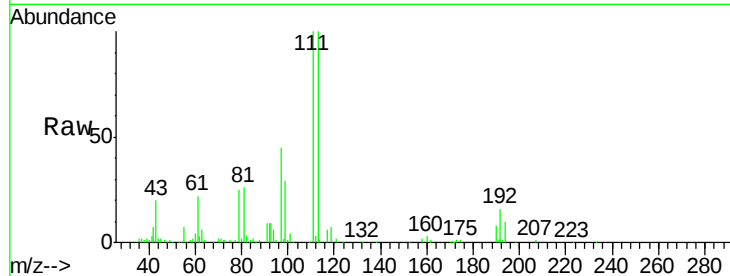
ClientSampleId :

VF0720SBS01

Tot Ion:	113	Resp:	154790
Ion Ratio	Lower	Upper	
113	100		
111	98.5	80.3	120.5
192	16.1	13.1	19.7

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#36

1,1-Dichloropropene

Concen: 22.73 ug/l

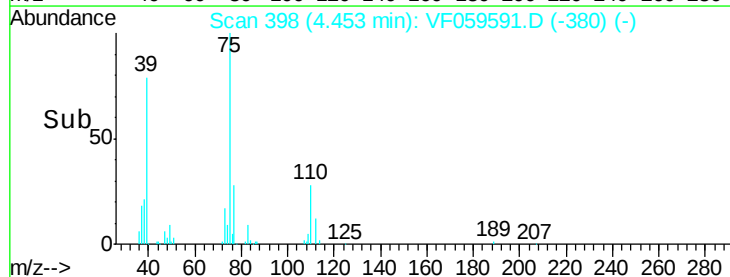
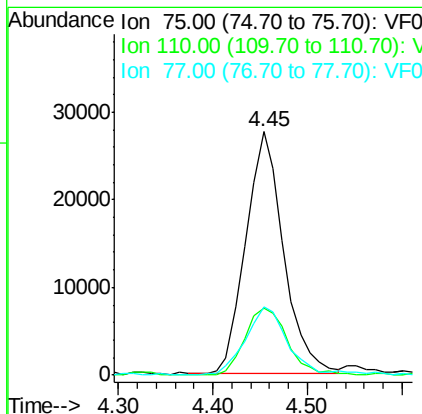
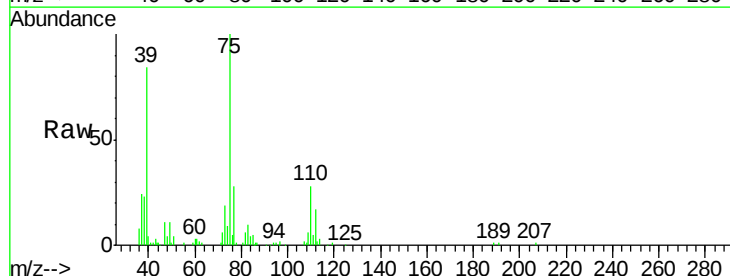
RT: 4.45 min Scan# 398

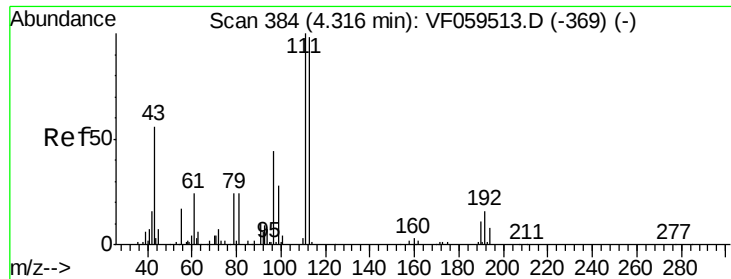
Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion:	75	Resp:	76873
Ion Ratio	Lower	Upper	
75	100		
110	27.7	14.6	43.8
77	27.8	23.7	35.5





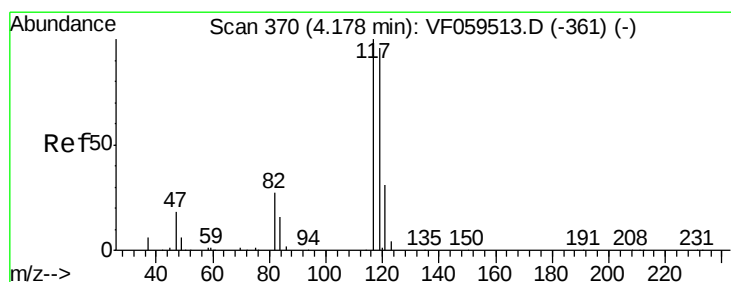
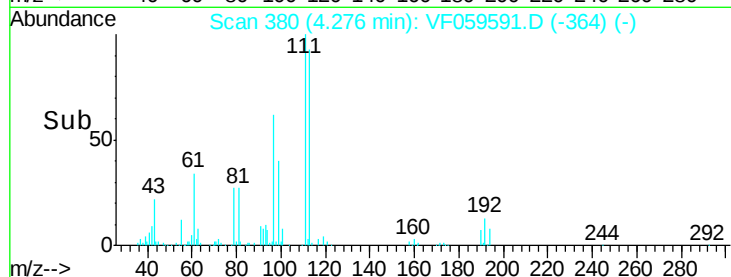
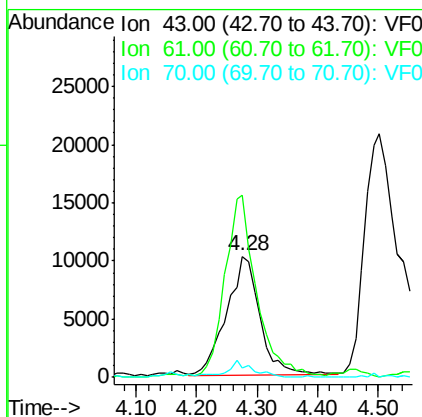
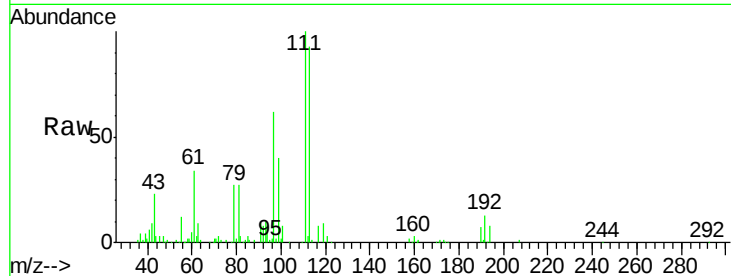
#37
Ethyl Acetate
Concen: 17.76 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.04 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	150.5	33.7	50.5#
70	8.2	7.4	11.0

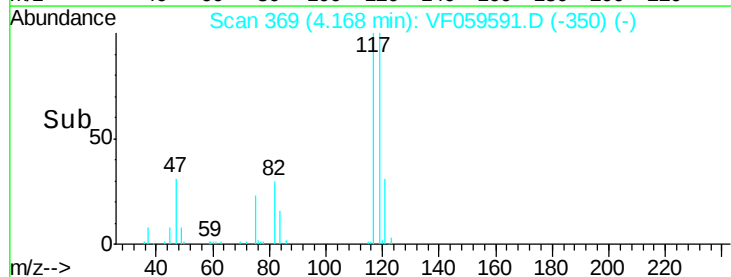
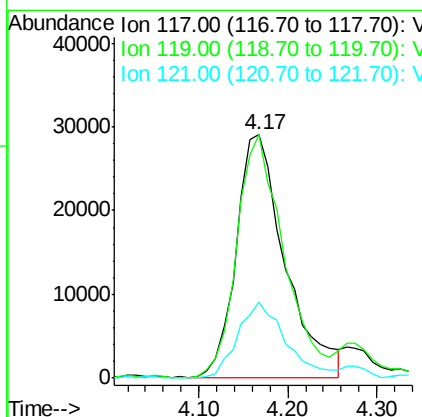
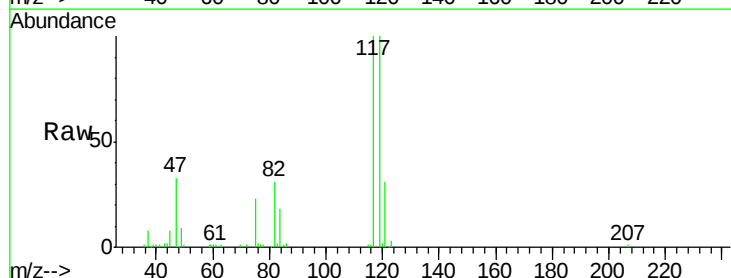
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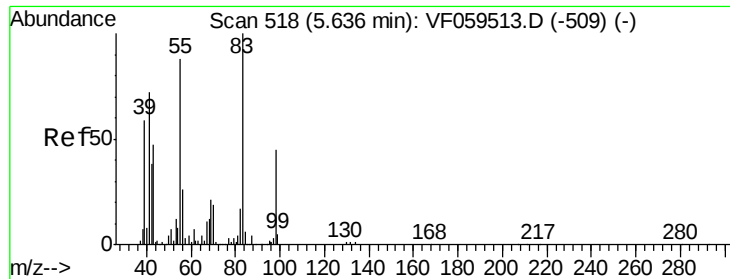
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#38
Carbon Tetrachloride
Concen: 28.86 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	77.6	116.4
121	31.0	24.9	37.3





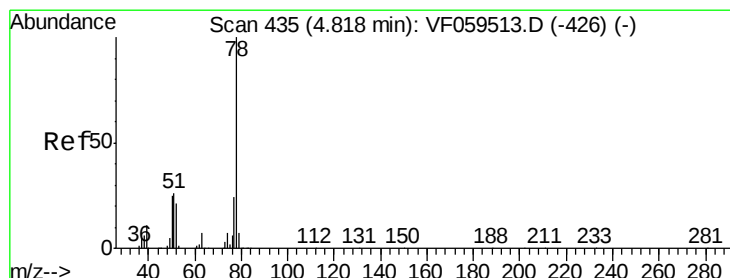
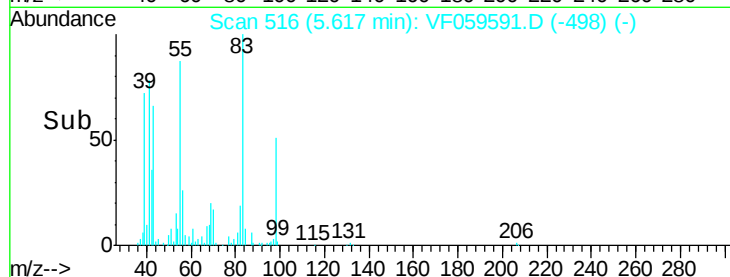
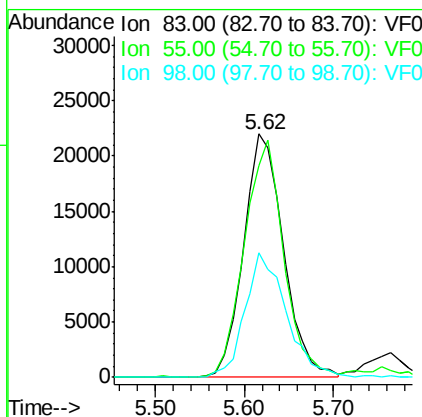
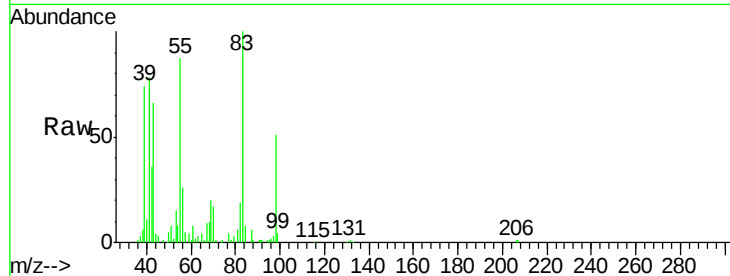
#39
Methvlcvclohexane
Concen: 26.53 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.9	70.2	105.4
98	51.2	36.2	54.2

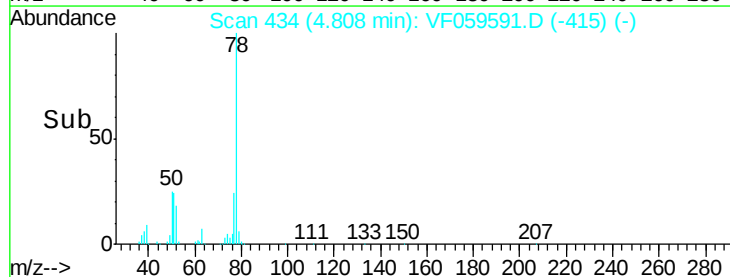
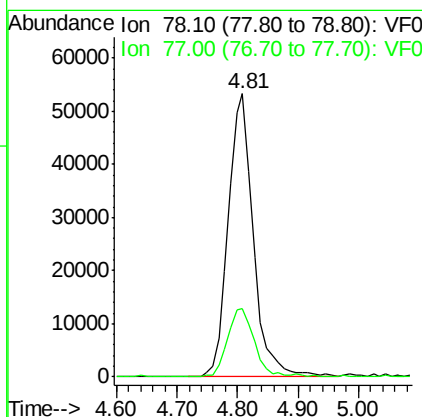
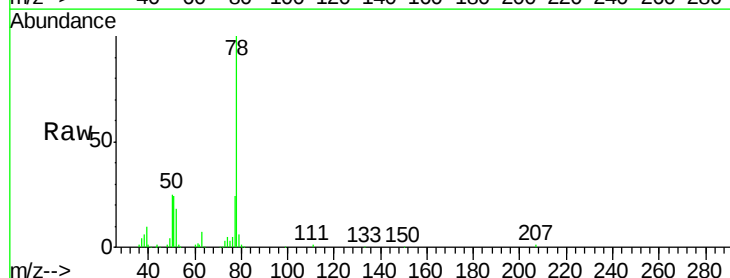
Manual Integrations
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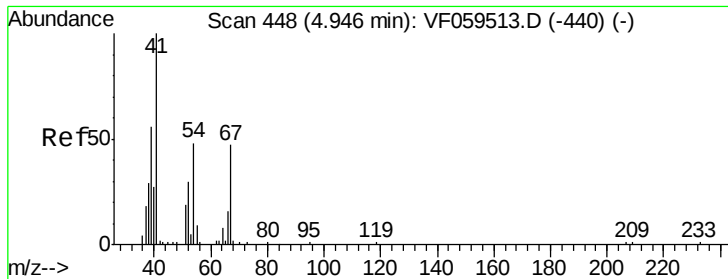
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#40
Benzene
Concen: 23.40 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





#41

Methacrylonitrile

Concen: 19.62 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.04 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

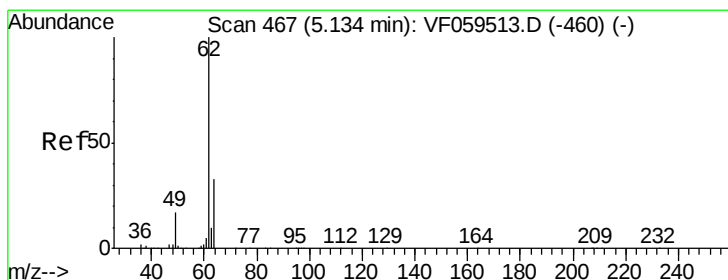
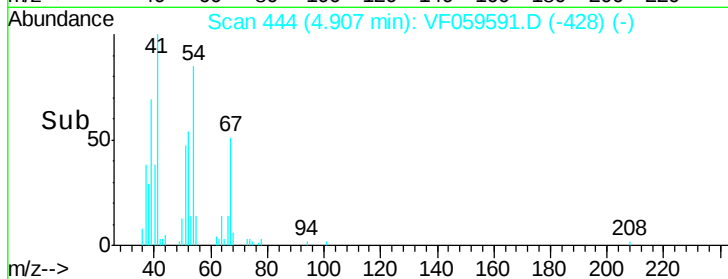
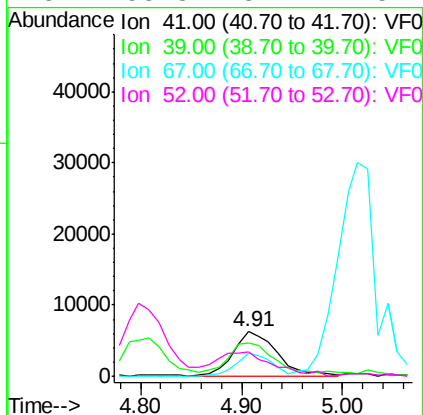
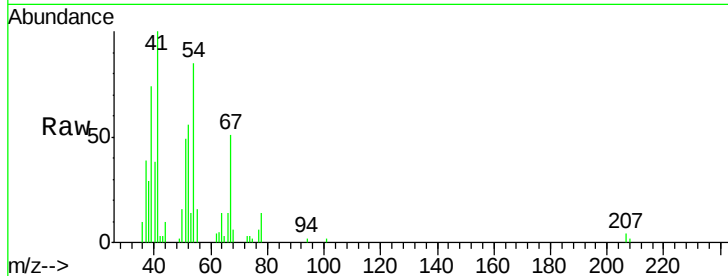
ClientSampleId :

VF0720SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.3	49.4	74.0#
67	50.8	37.4	56.2
52	55.8	32.1	48.1#

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#42

1,2-Dichloroethane

Concen: 23.03 ug/l

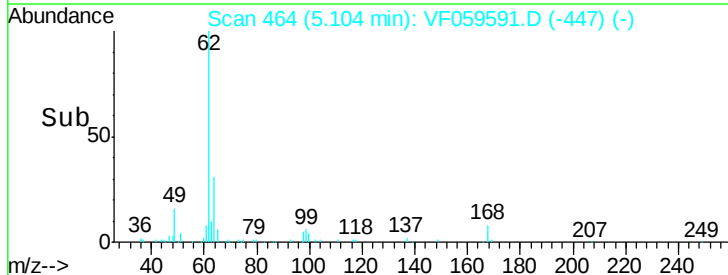
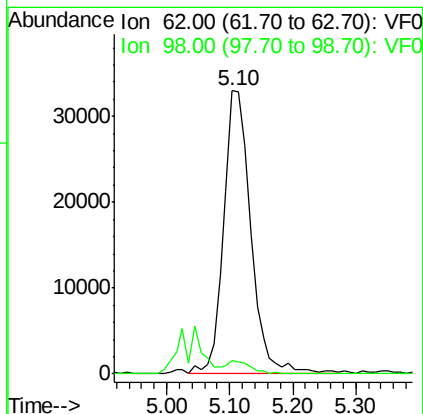
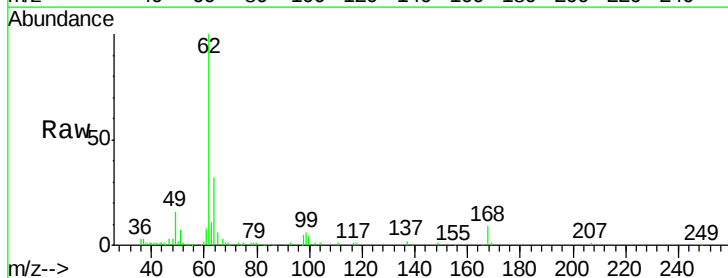
RT: 5.10 min Scan# 464

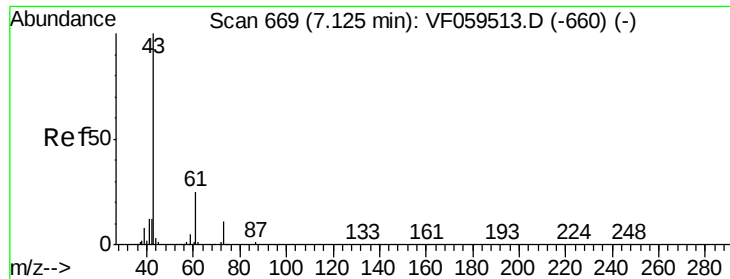
Delta R.T. -0.03 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	9.6





#43

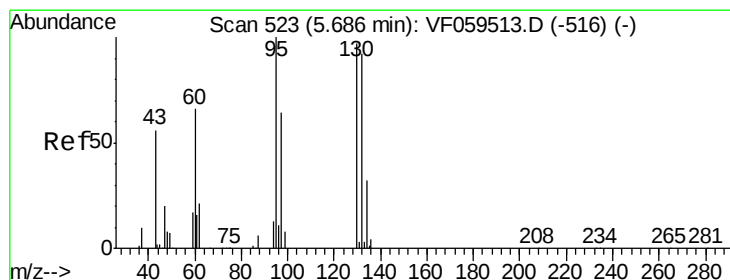
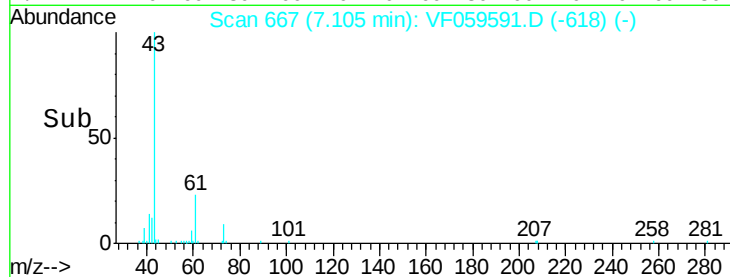
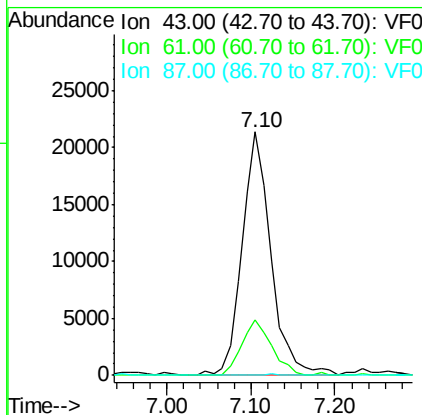
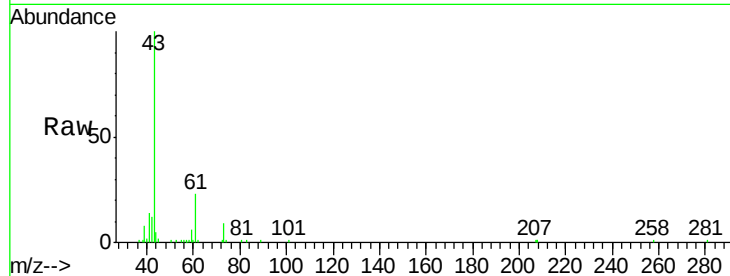
Isopropyl Acetate
 Concen: 21.05 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.0	20.3	30.5
87	0.0	0.4	0.6

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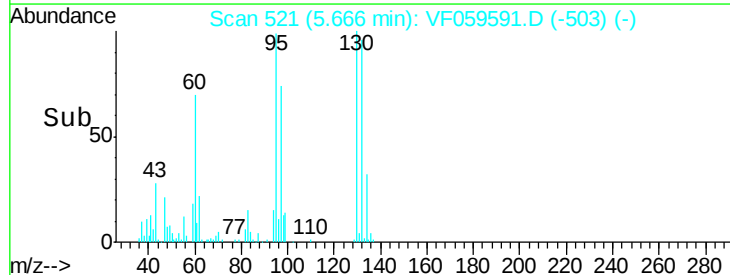
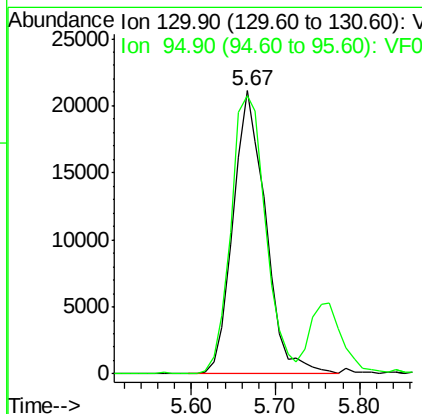
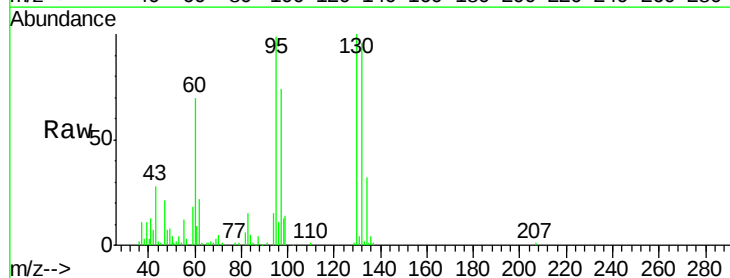
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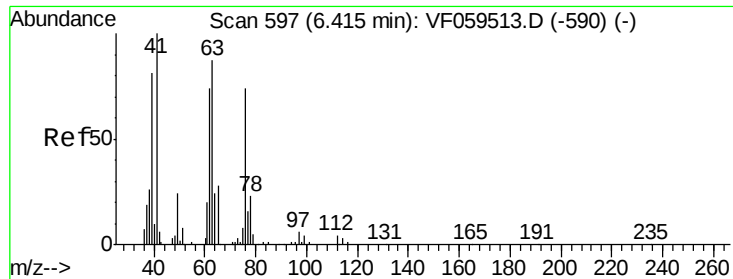


#44

Trichloroethene
 Concen: 23.50 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	206.6





#45

1,2-Dichloropropane

Concen: 22.88 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 63 Resp: 41658

Ion Ratio Lower Upper

63 100

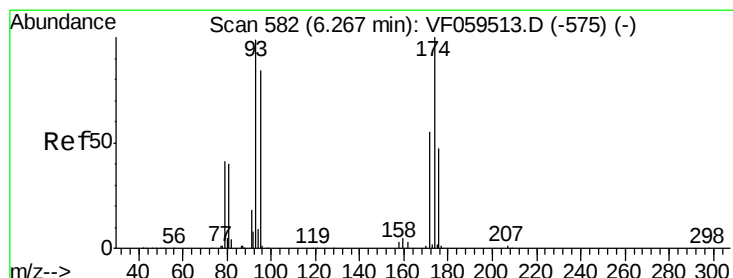
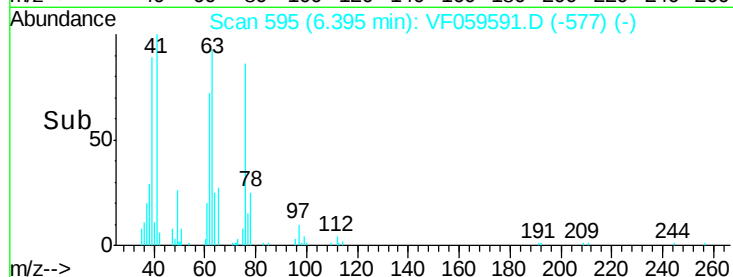
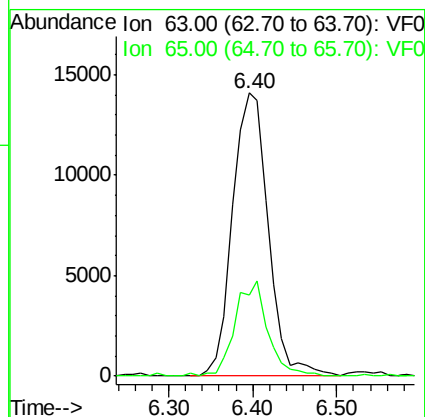
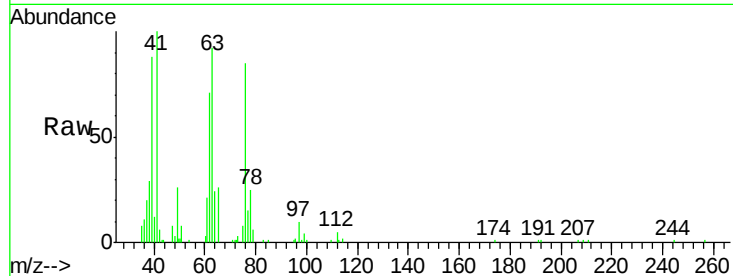
65 28.8 26.1 39.1

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#46

Dibromomethane

Concen: 23.12 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

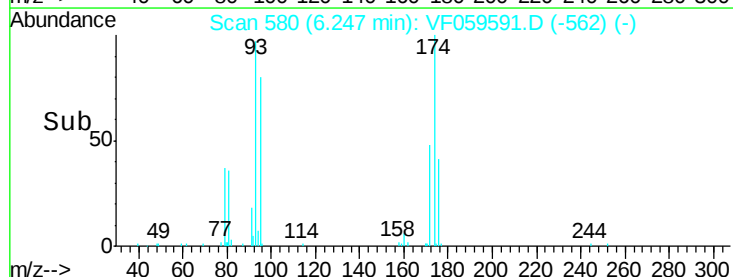
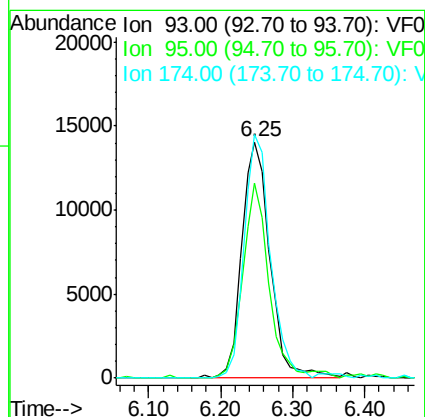
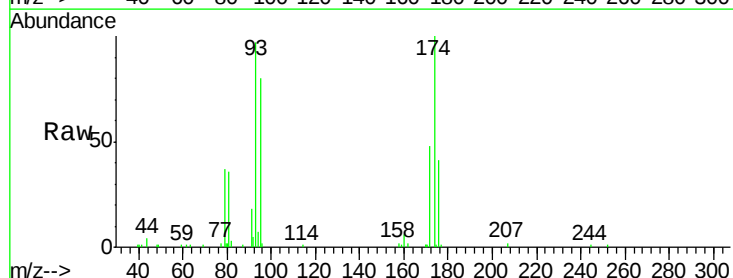
Tgt Ion: 93 Resp: 38338

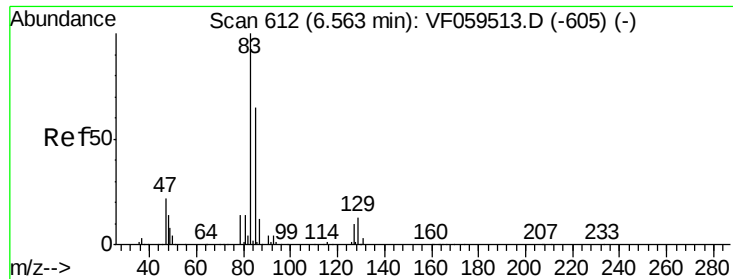
Ion Ratio Lower Upper

93 100

95 82.6 68.3 102.5

174 104.5 81.2 121.8





#47

Bromodichloromethane

Concen: 23.83 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

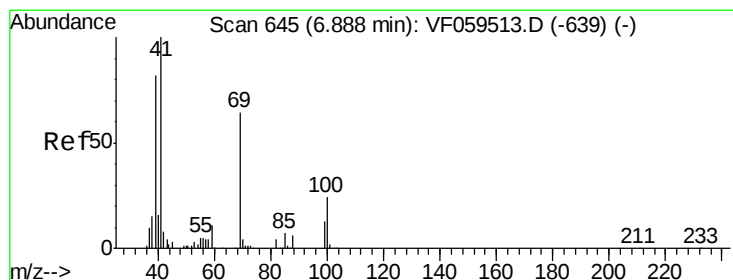
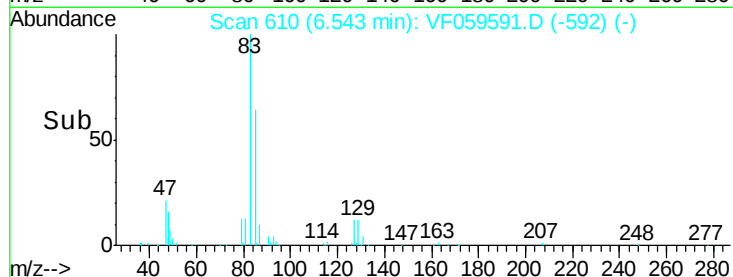
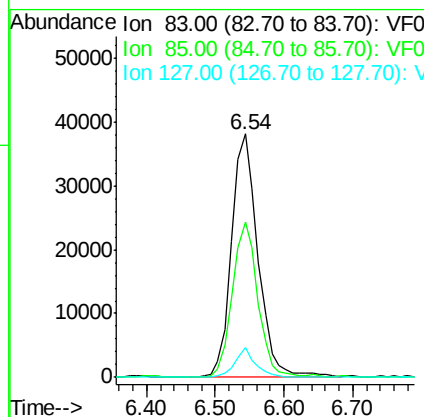
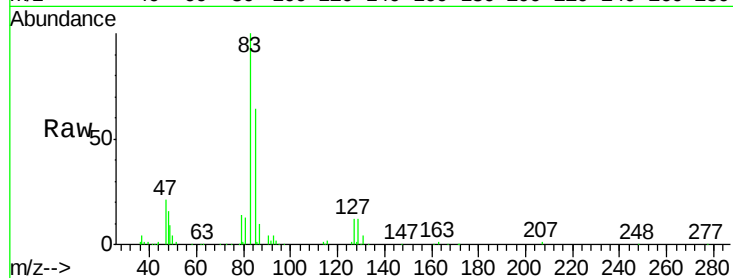
ClientSampleId :

VF0720SBS01

Tot Ion:	83	Resp:	101702
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.4	78.6
127	12.3	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.20 ug/l

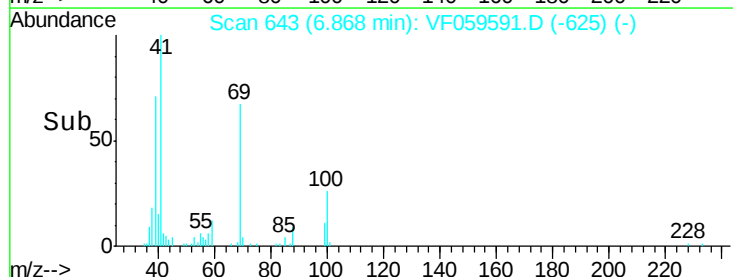
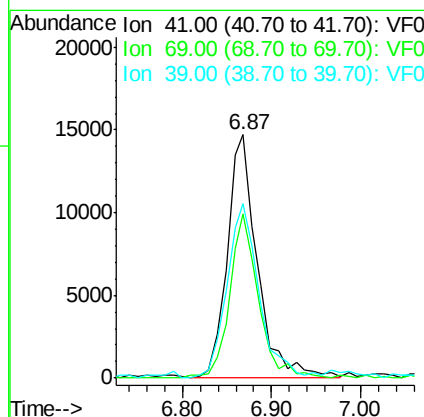
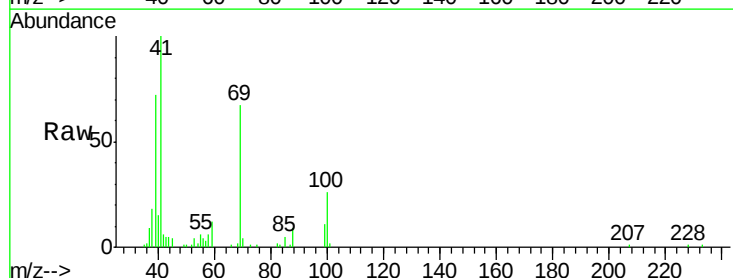
RT: 6.87 min Scan# 643

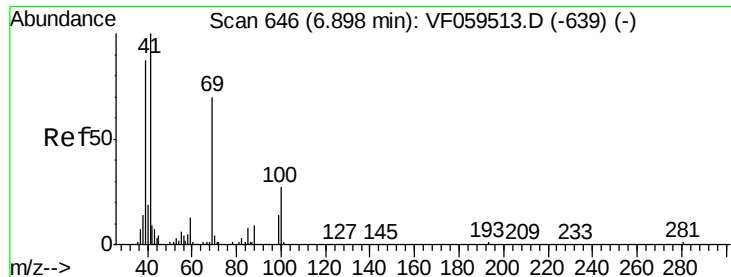
Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion:	41	Resp:	35061
Ion Ratio	Lower	Upper	
41	100		
69	67.3	51.3	76.9
39	71.6	65.3	97.9





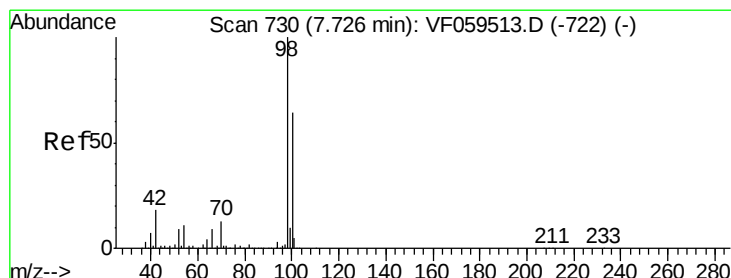
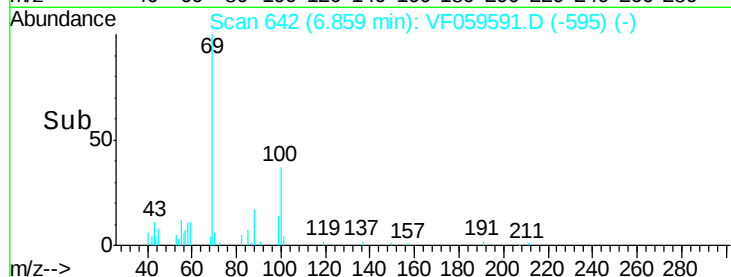
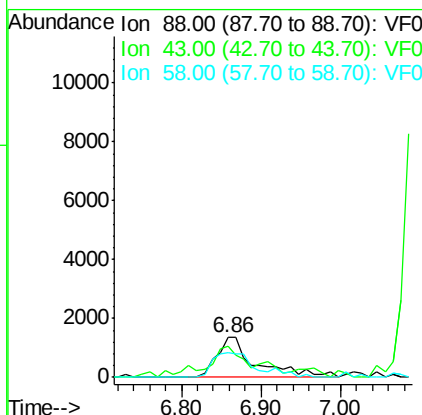
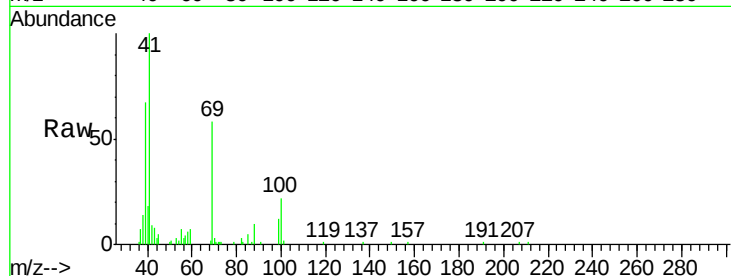
#49
1,4-Dioxane
Concen: 568.50 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.04 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	79.2	64.8	97.2
58	62.8	44.1	66.1

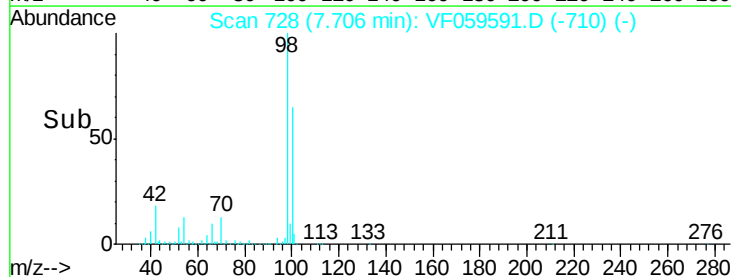
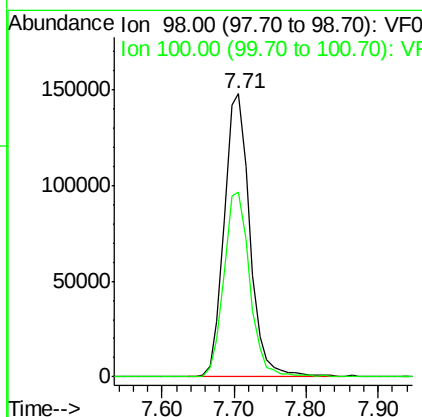
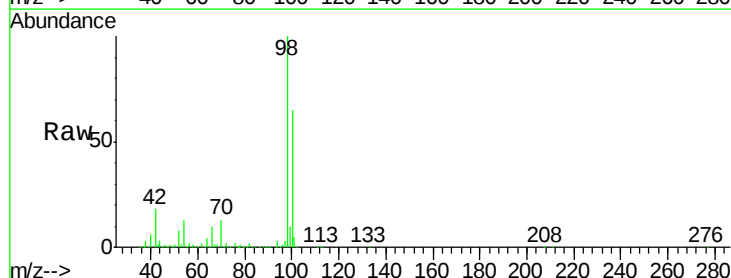
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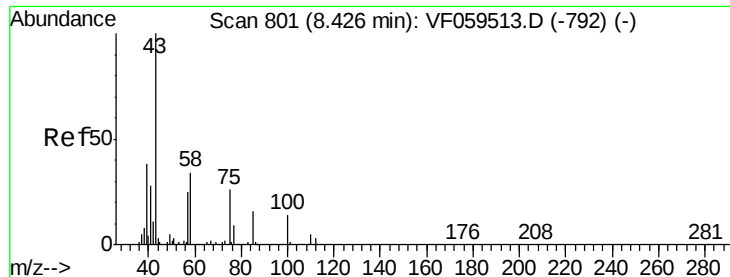
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#50
Toluene-d8
Concen: 49.60 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 105.91 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 43 Resp: 182432

Ion Ratio Lower Upper

43 100

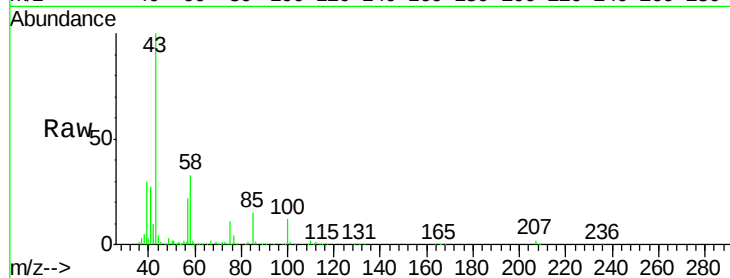
58 32.6 27.4 41.2

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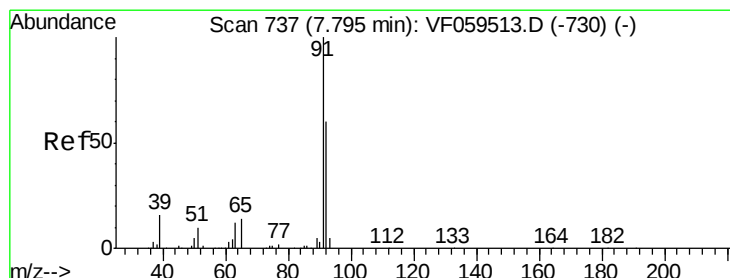
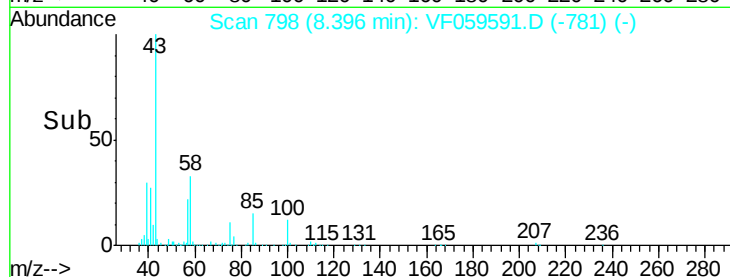
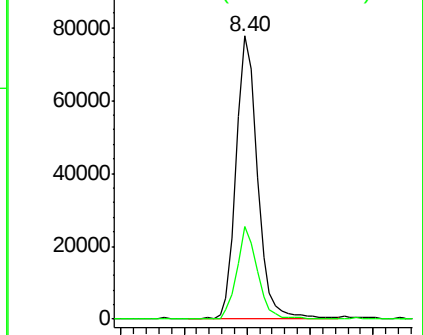
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 23.53 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059591.D

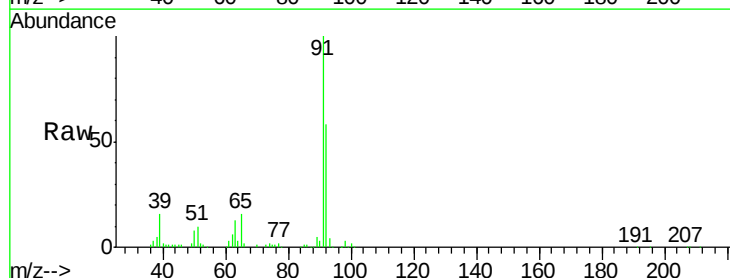
Acq: 20 Jul 2018 20:04

Tgt Ion: 92 Resp: 111940

Ion Ratio Lower Upper

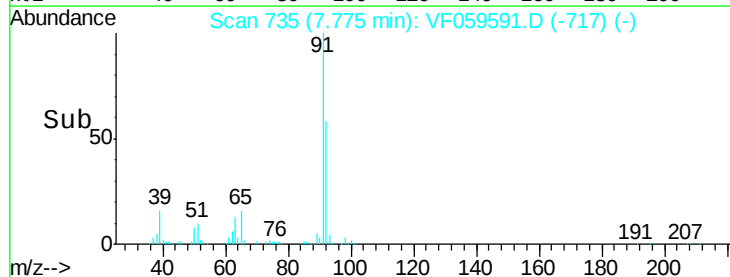
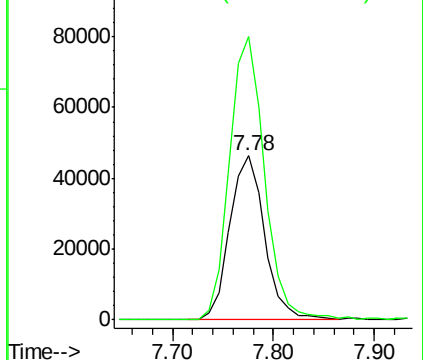
92 100

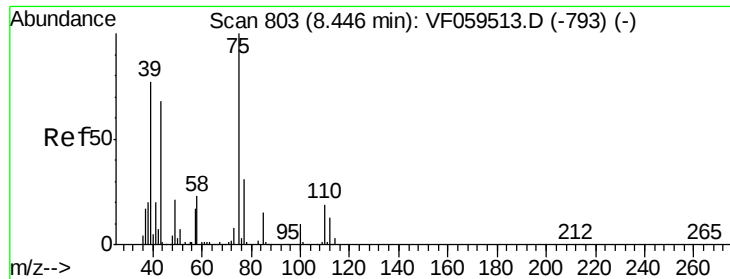
91 172.5 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





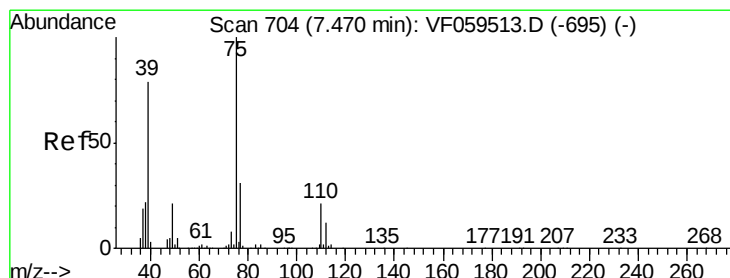
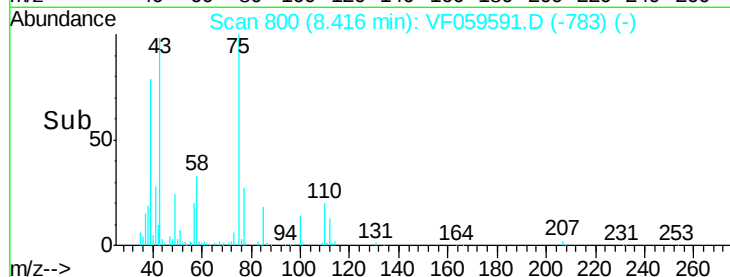
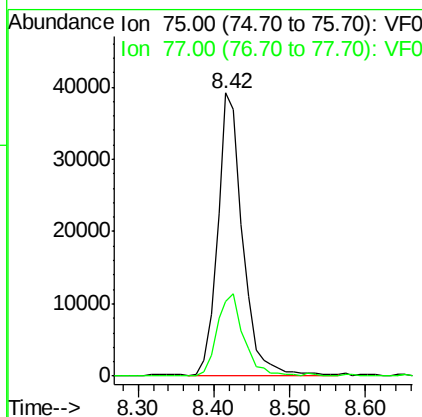
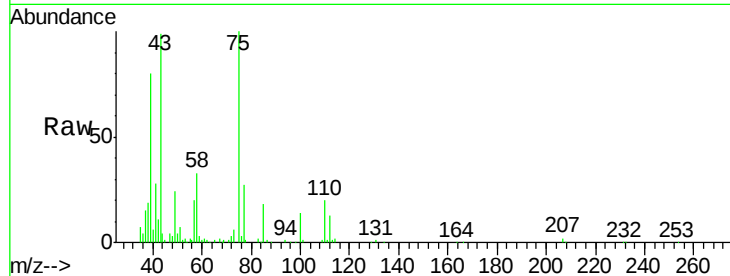
#53
 t-1,3-Dichloropropene
 Concen: 22.76 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.03 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	26.6	25.3	37.9

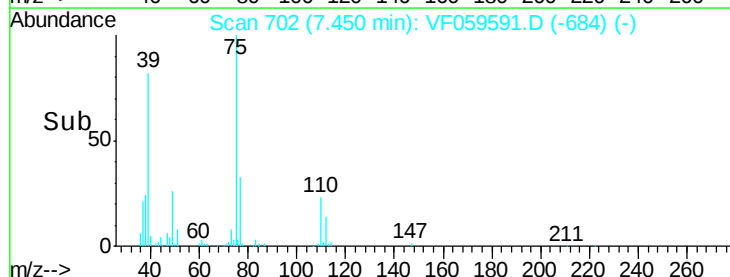
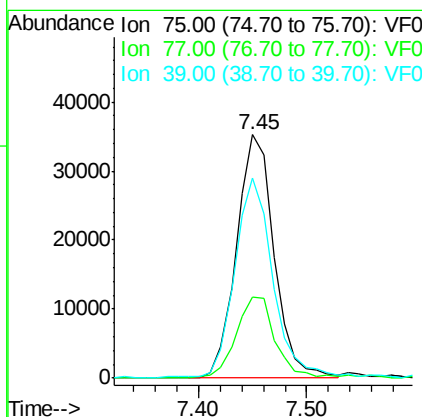
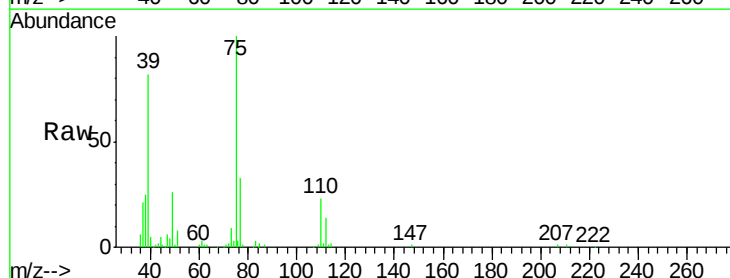
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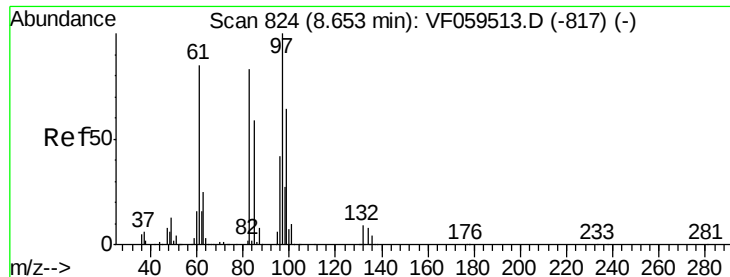
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#54
 cis-1,3-Dichloropropene
 Concen: 21.87 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.0	37.6
39	82.3	63.8	95.6





#55

1,1,2-Trichloroethane

Concen: 22.89 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

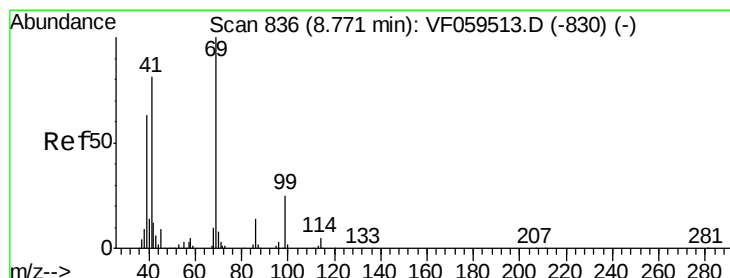
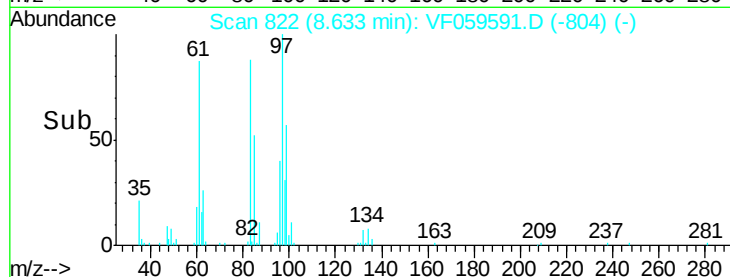
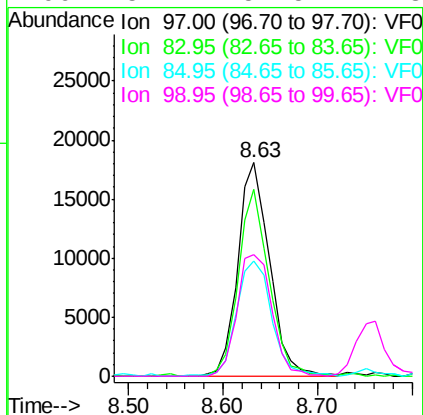
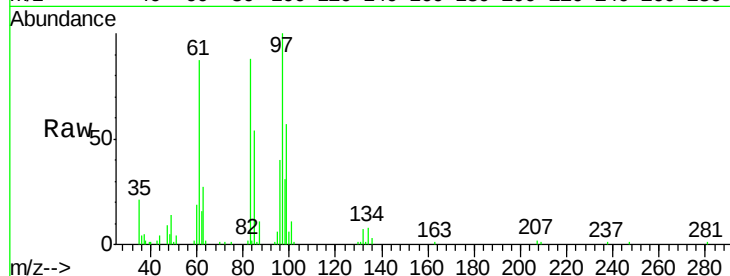
VF0720SBS01

Tot Ion:	97	Resp:	42196
Ion	Ratio	Lower	Upper
97	100		
83	87.6	66.9	100.3
85	54.0	46.9	70.3
99	57.2	51.5	77.3

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#56

Ethyl methacrylate

Concen: 20.53 ug/l

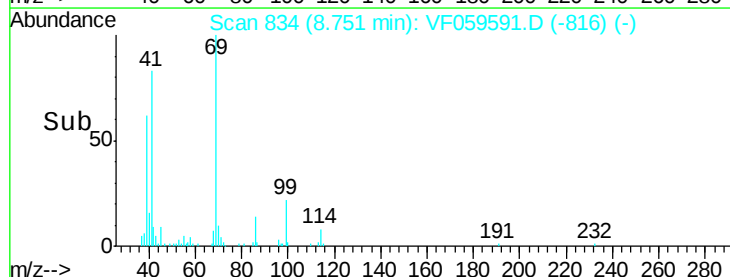
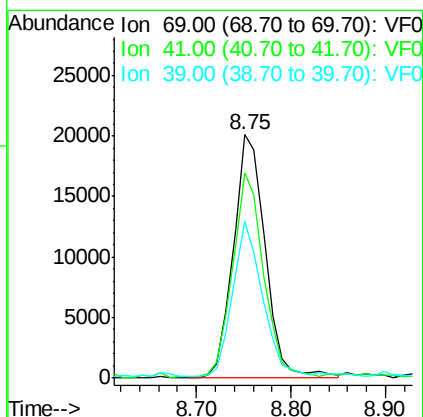
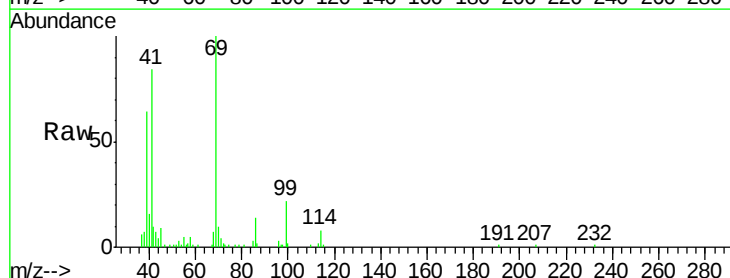
RT: 8.75 min Scan# 834

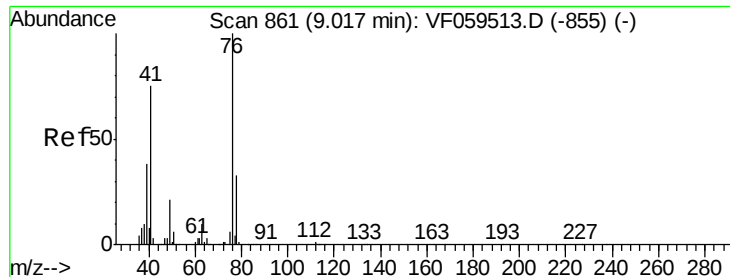
Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion:	69	Resp:	46935
Ion	Ratio	Lower	Upper
69	100		
41	84.3	65.4	98.2
39	64.1	51.0	76.4





#57

1,3-Dichloropropane

Concen: 22.89 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 76 Resp: 74629

Ion Ratio Lower Upper

76 100

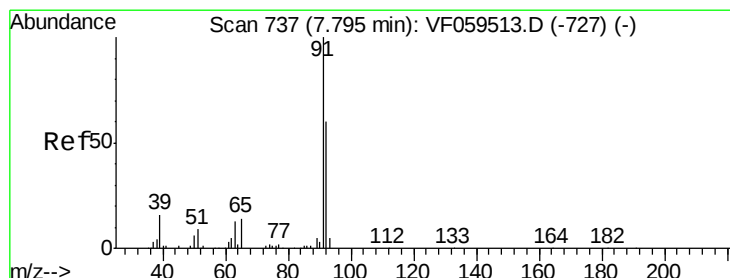
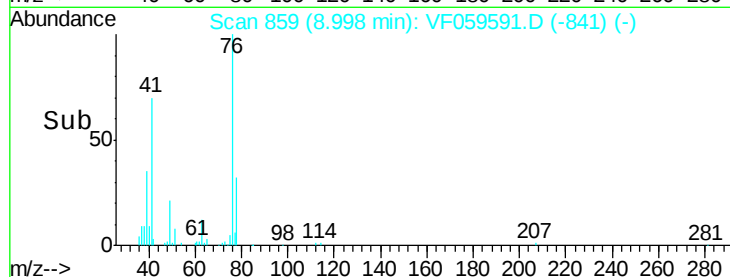
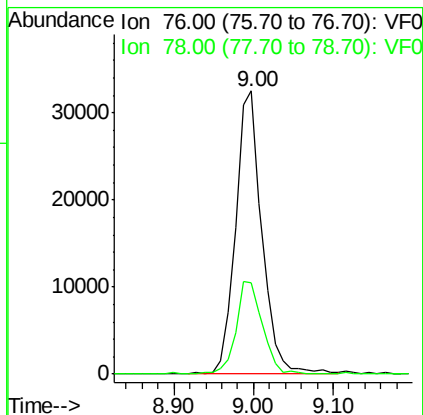
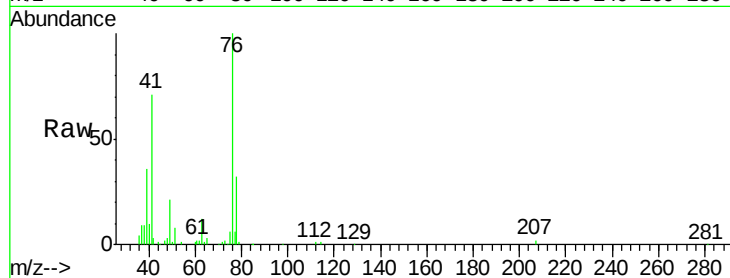
78 32.2 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 116.67 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059591.D

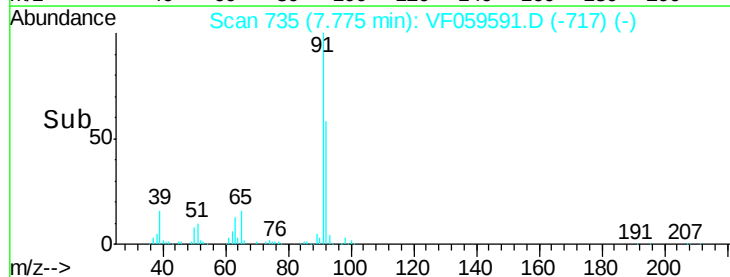
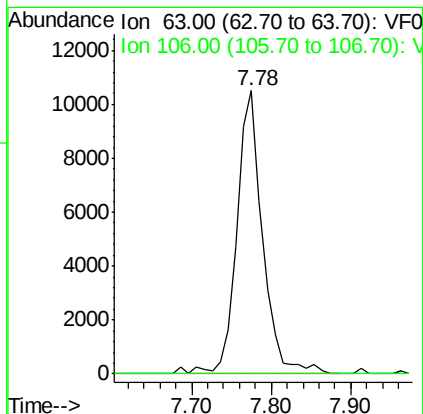
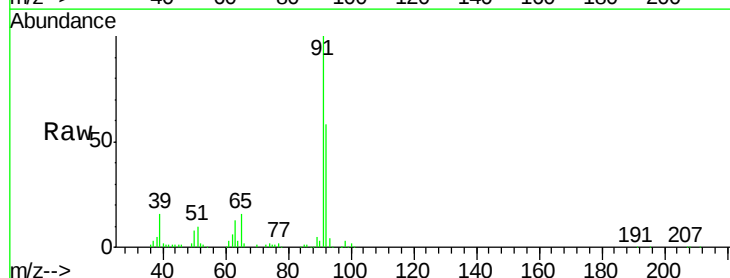
Acq: 20 Jul 2018 20:04

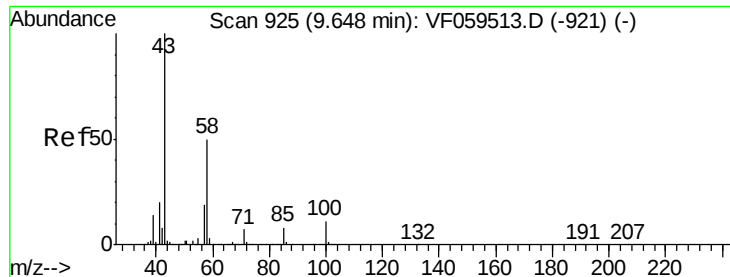
Tgt Ion: 63 Resp: 23548

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





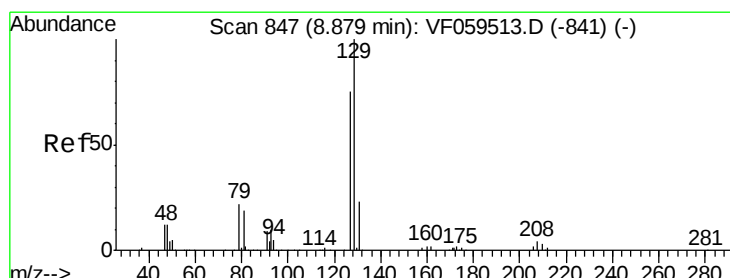
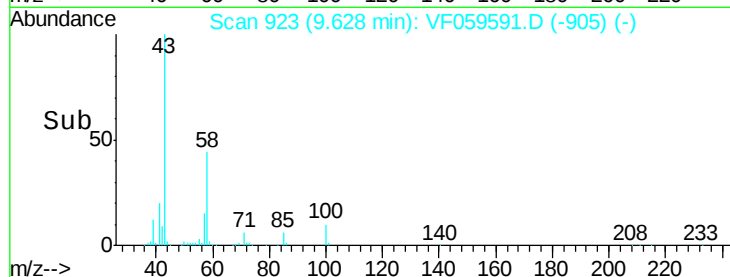
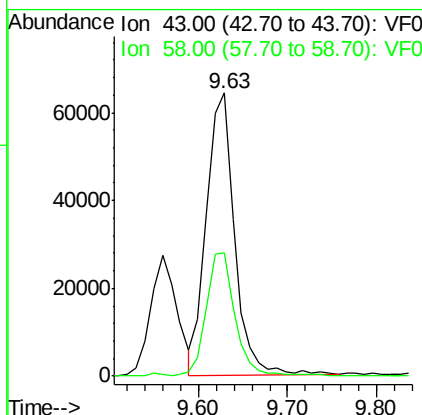
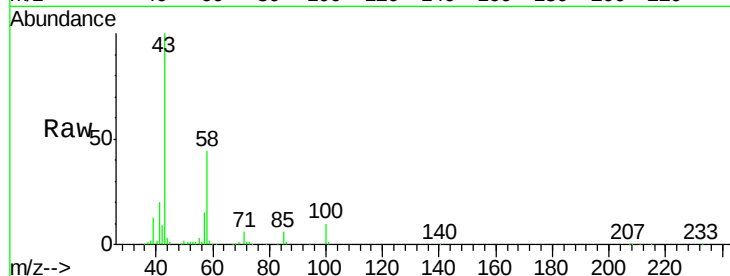
#59
2-Hexanone
Concen: 108.21 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.6	23.3	69.9

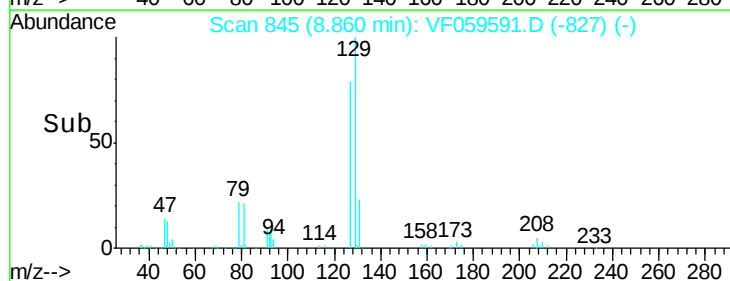
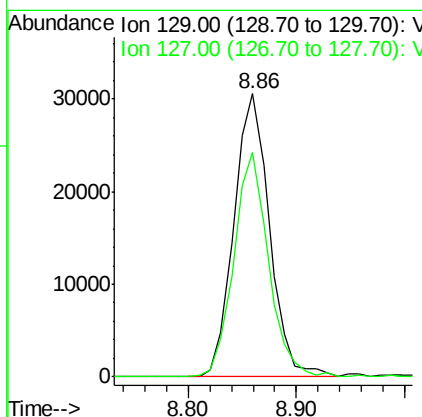
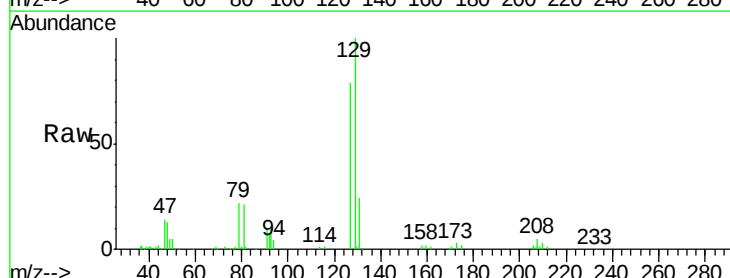
Manual Integrations
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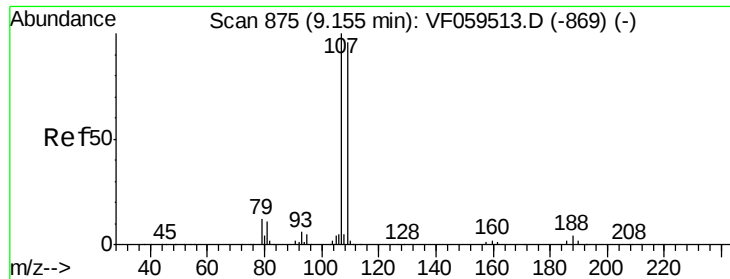
apatel
7/23/2018 10:52:06 AM



#60
Dibromochloromethane
Concen: 22.51 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	37.6	112.8





#61

1,2-Dibromoethane

Concen: 22.72 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion:107 Resp: 51966

Ion Ratio Lower Upper

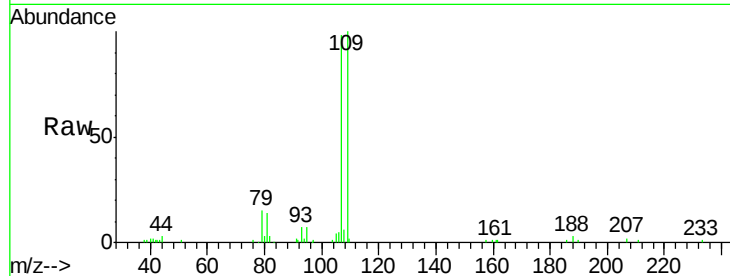
107 100

109 102.1 76.5 114.7

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

25000

20000

15000

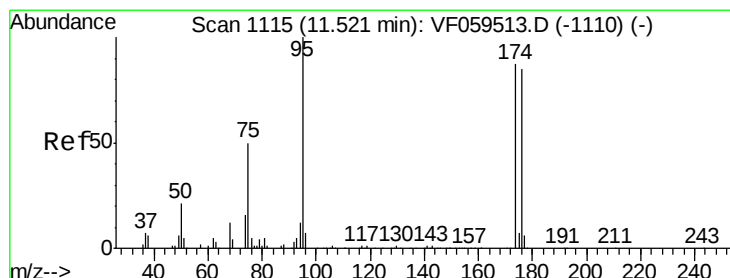
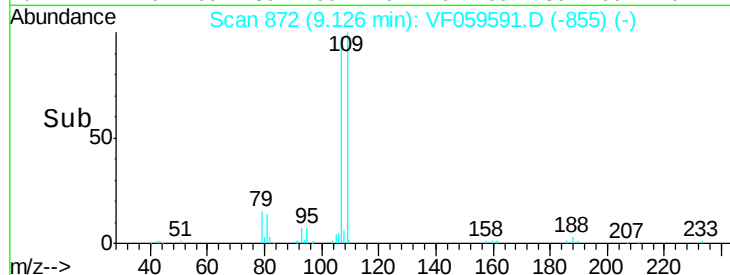
10000

5000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 54.64 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

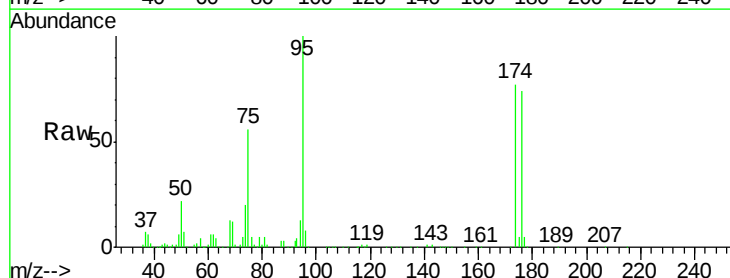
Tgt Ion: 95 Resp: 211262

Ion Ratio Lower Upper

95 100

174 77.1 0.0 174.4

176 74.3 0.0 169.4



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

11.50

150000

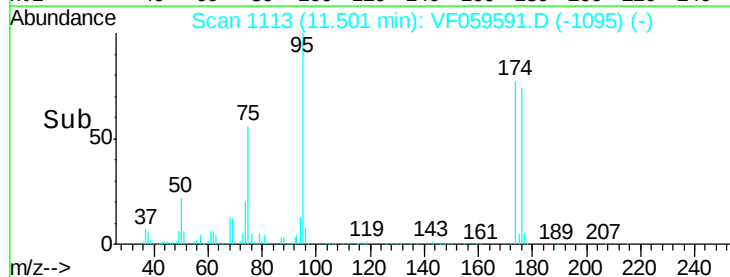
100000

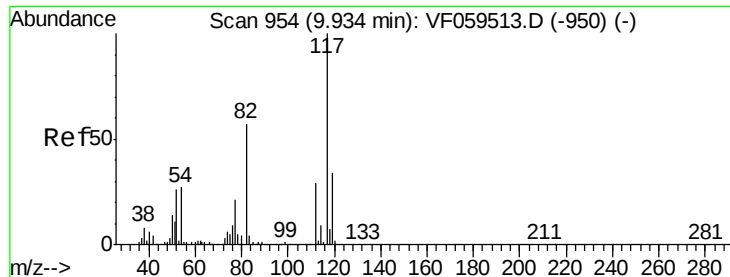
50000

0

Time-->

11.40 11.50 11.60 11.70





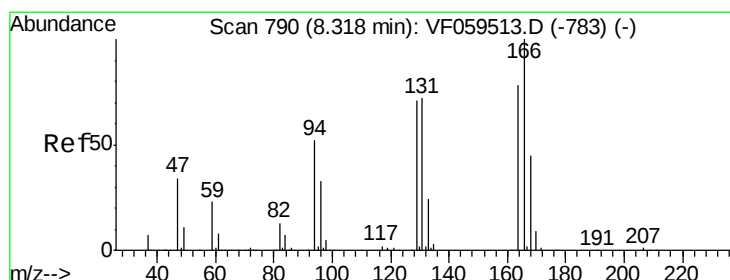
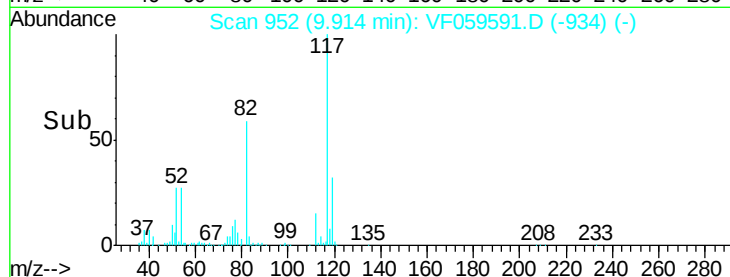
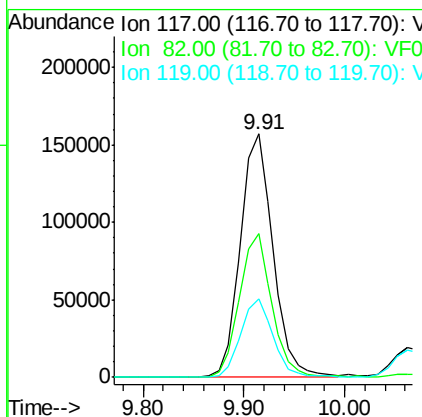
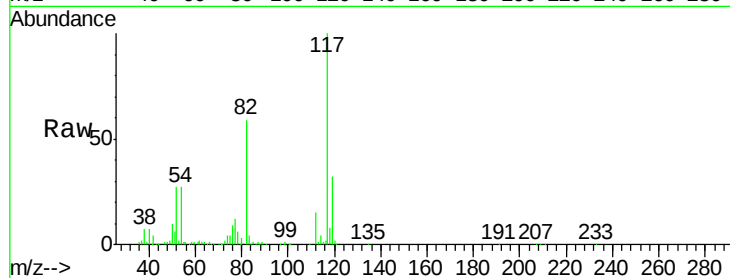
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.1	69.1
119	32.0	27.2	40.8

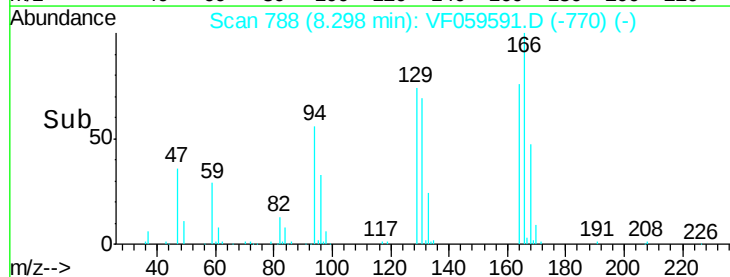
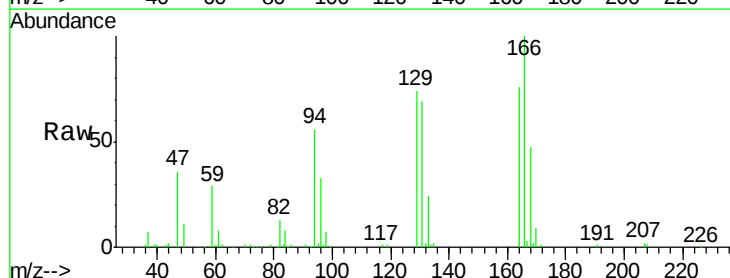
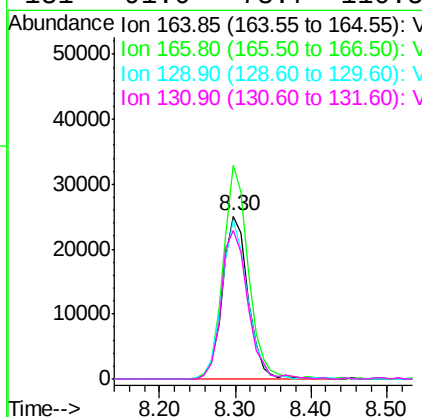
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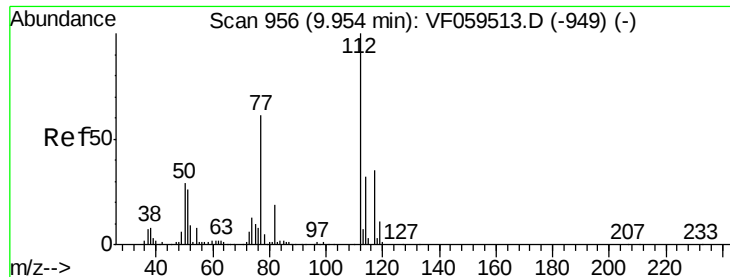
apatel
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#64
Tetrachloroethene
Concen: 22.26 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	102.3	153.5
129	97.8	72.4	108.6
131	91.0	73.7	110.5





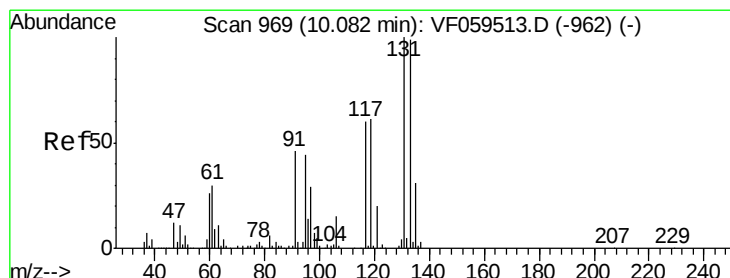
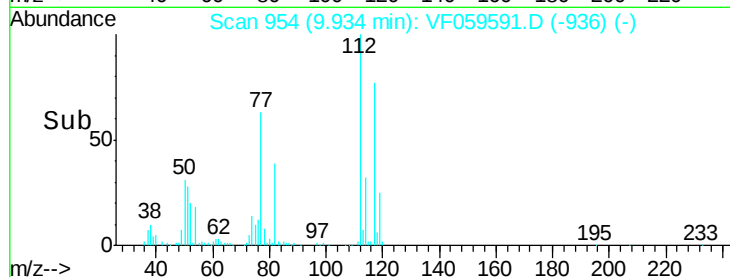
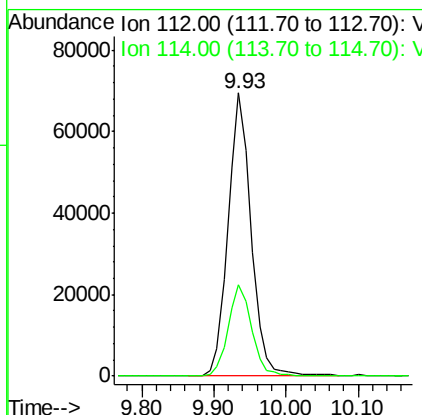
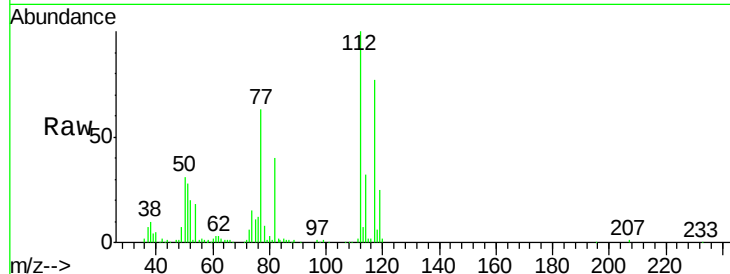
#65
Chlorobenzene
Concen: 23.32 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.2

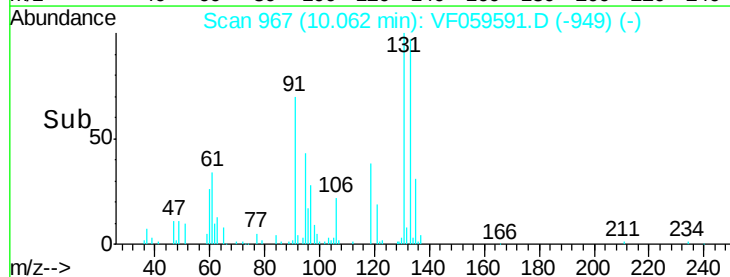
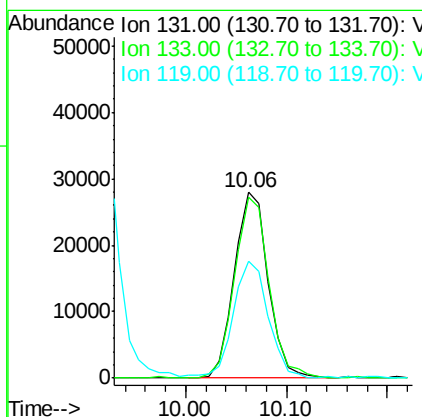
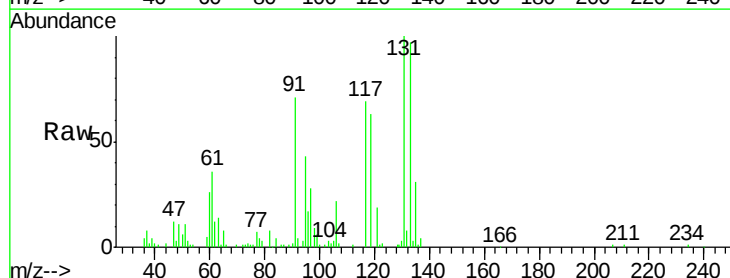
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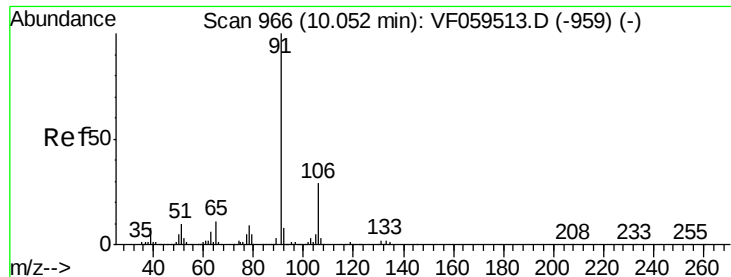
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.63 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	49.6	148.8
119	62.9	31.4	94.3





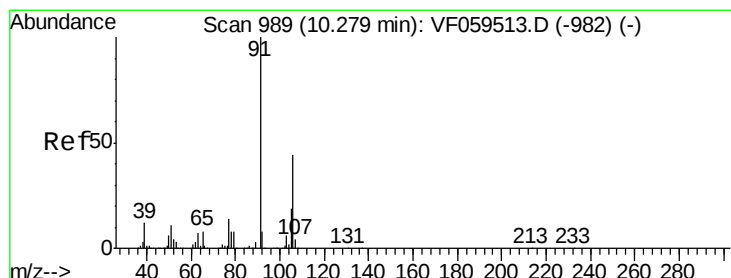
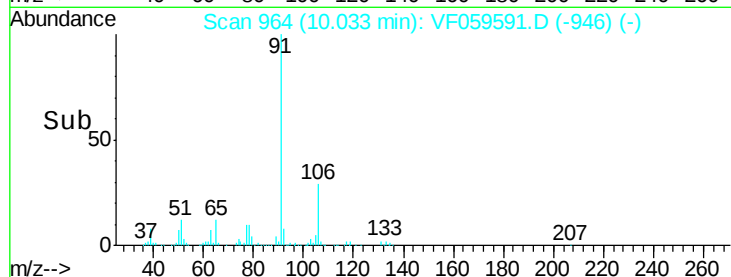
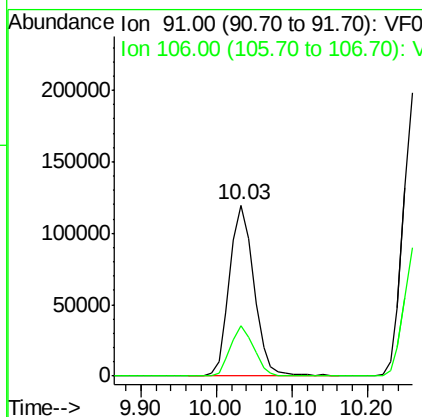
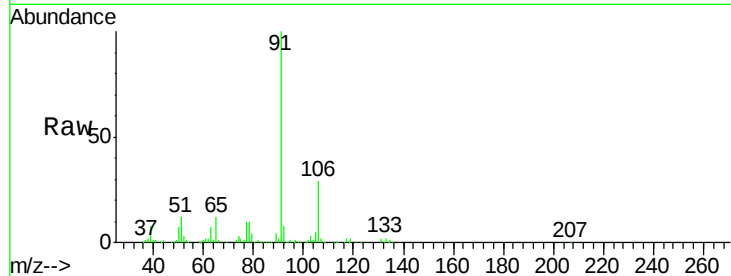
#67
Ethyl Benzene
Concen: 22.77 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2

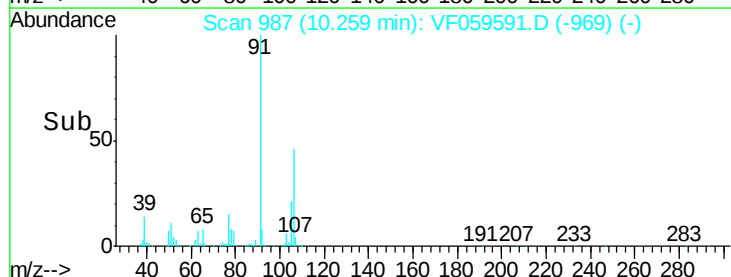
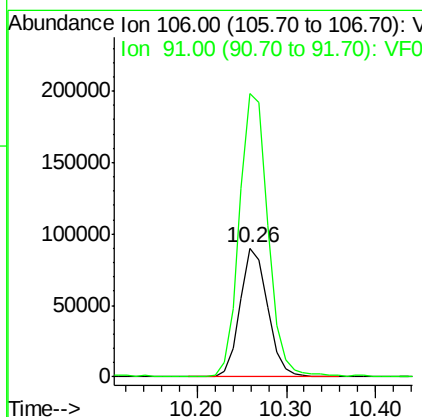
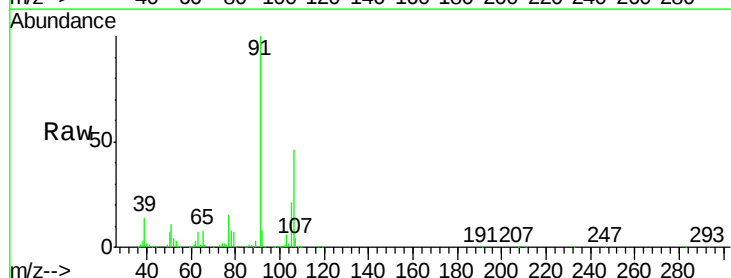
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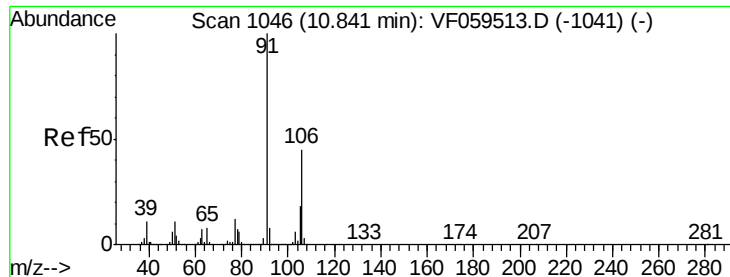
apatel
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#68
m/p-Xylenes
Concen: 46.32 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
106	100		
91	219.4	181.0	271.4





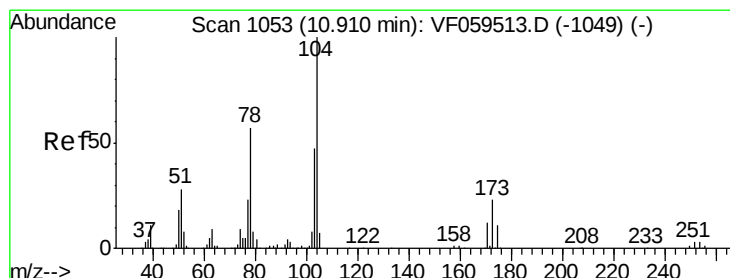
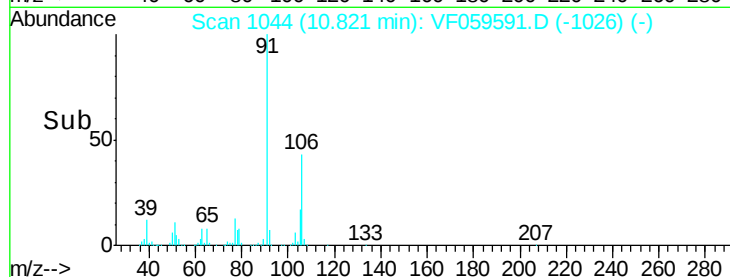
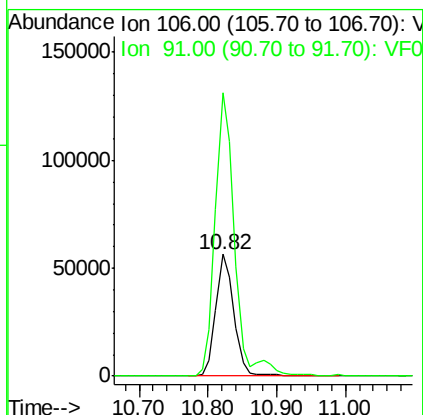
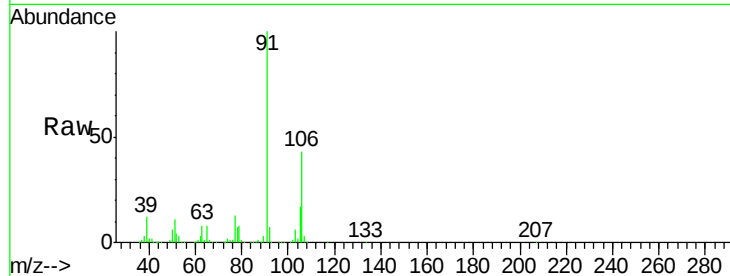
#69
o-Xylene
Concen: 23.43 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	104319		
91	91	232.2	112.3	336.9	

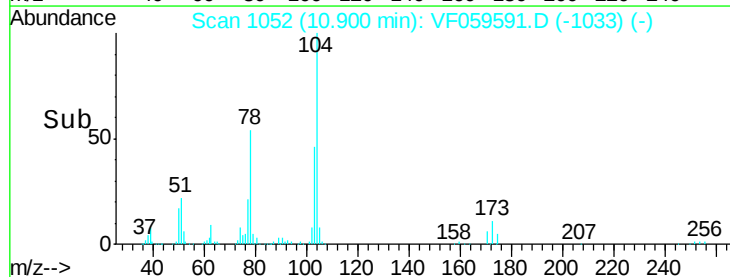
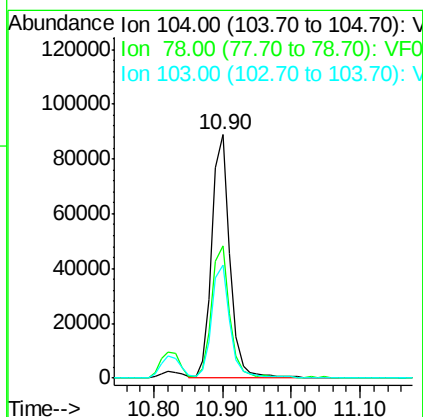
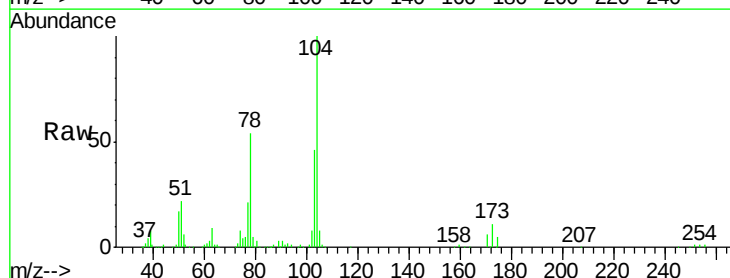
Manual Integrations
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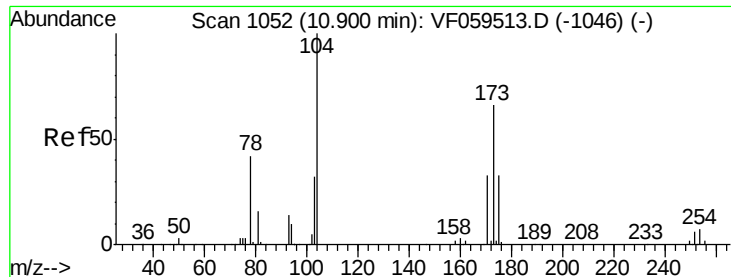
apatel
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#70
Styrene
Concen: 23.68 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	162068		
78	78	54.2	45.7	68.5	
103	103	46.2	38.1	57.1	





#71

Bromoform

Concen: 20.86 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion:173 Resp: 43927

Ion Ratio Lower Upper

173 100

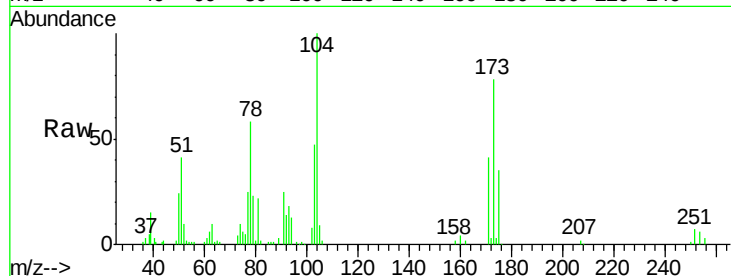
175 45.4 25.3 75.8

254 0.0 0.0 0.0

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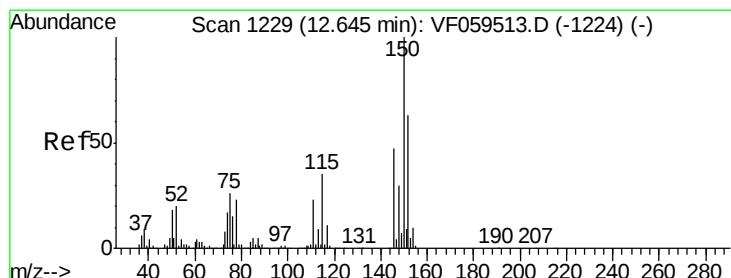
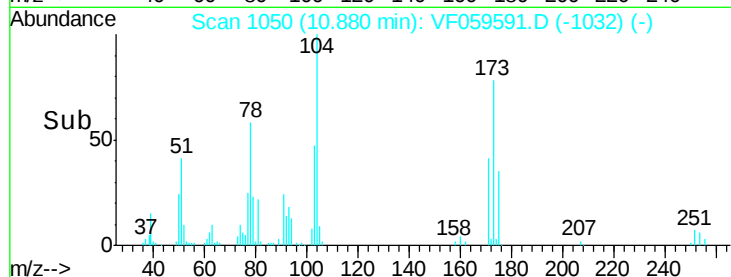
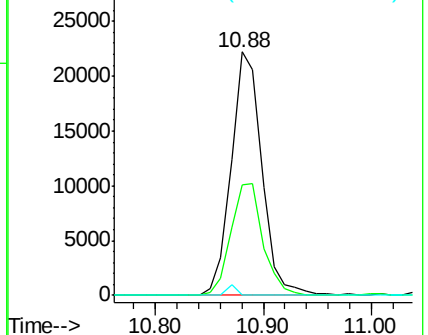
7/23/2018 10:52:06 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

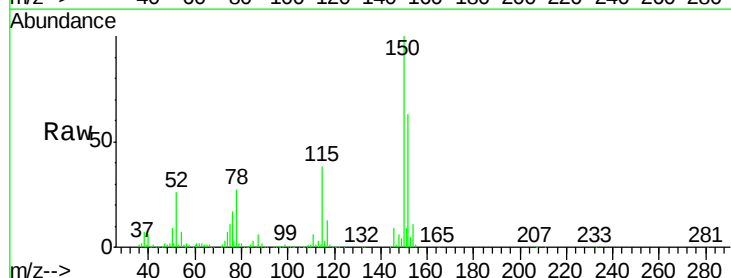
Tgt Ion:152 Resp: 218919

Ion Ratio Lower Upper

152 100

115 60.4 27.8 83.3

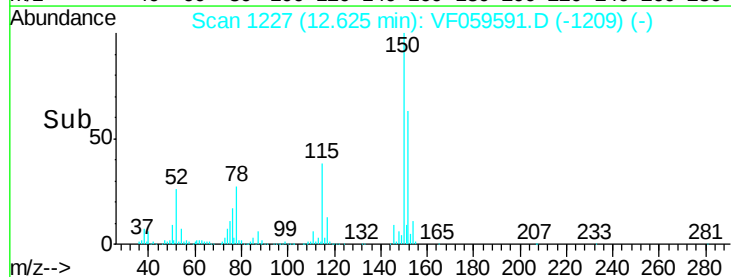
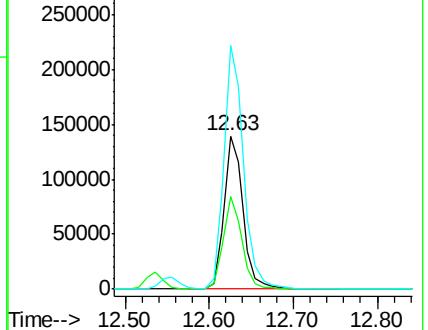
150 159.0 0.0 318.4

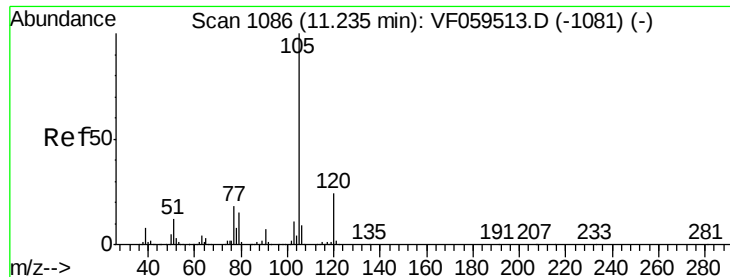


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.72 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion:105 Resp: 313790

Ion Ratio Lower Upper

105 100

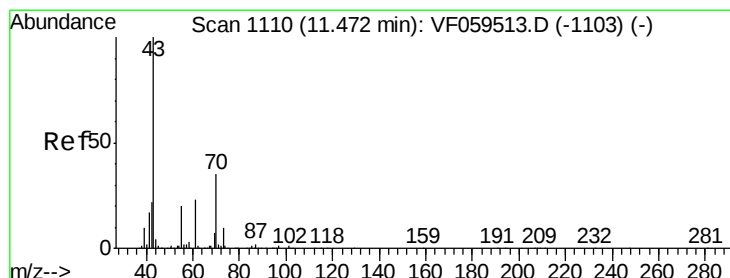
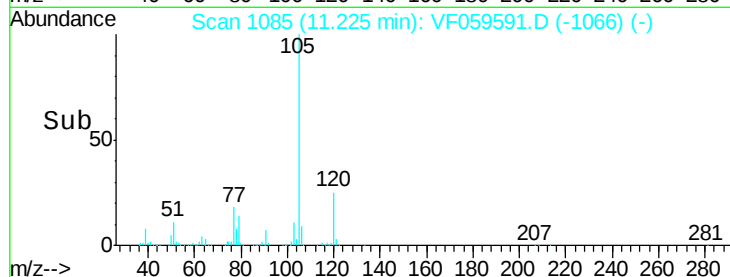
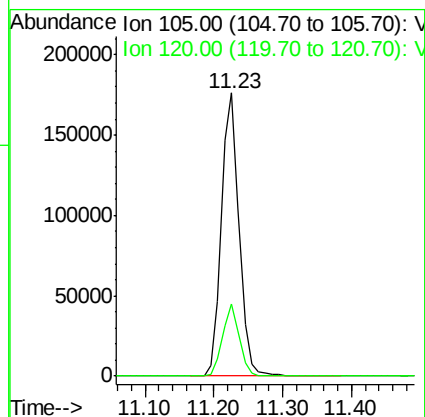
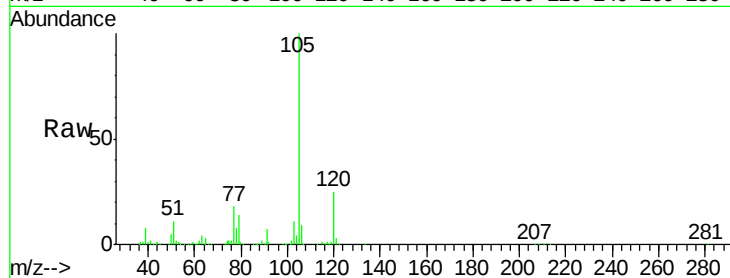
120 25.4 12.0 36.0

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#74

N-ethyl acetate

Concen: 18.70 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion: 43 Resp: 82733

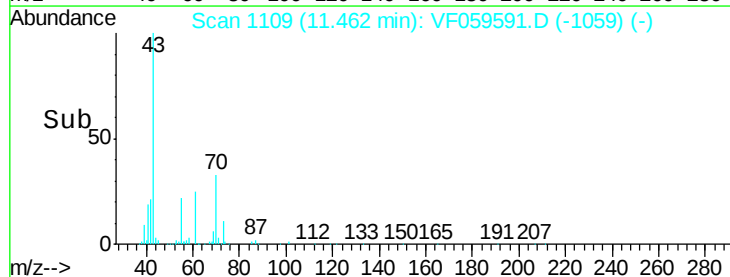
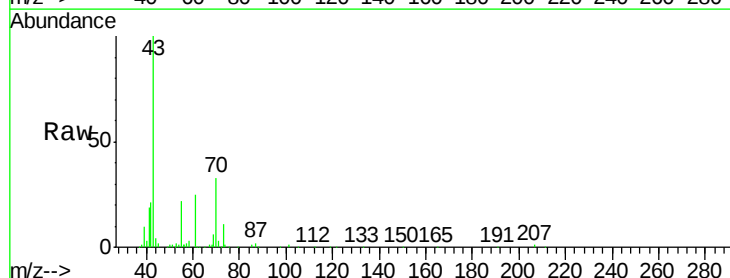
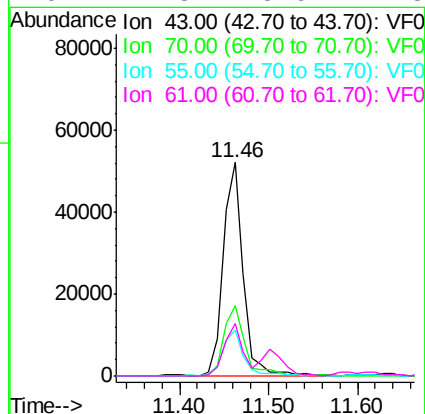
Ion Ratio Lower Upper

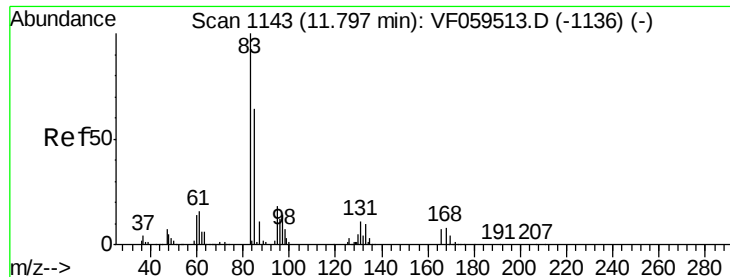
43 100

70 33.2 27.9 41.9

55 21.8 16.2 24.2

61 24.8 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.58 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

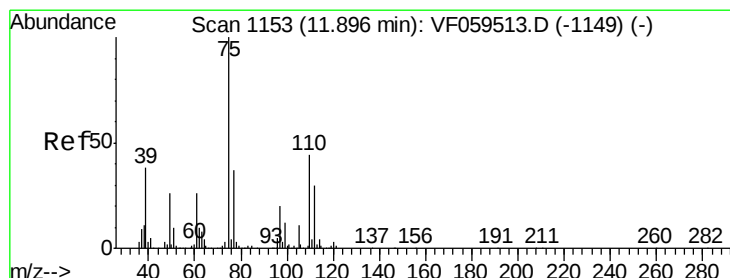
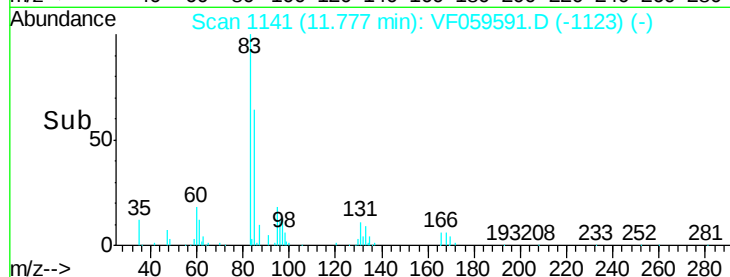
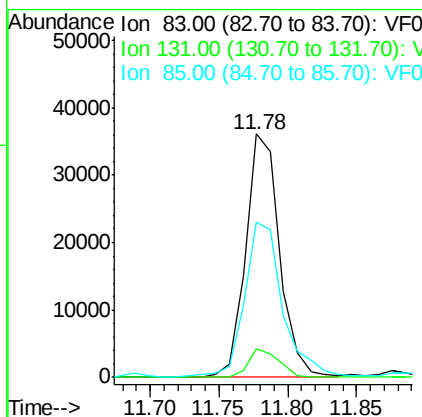
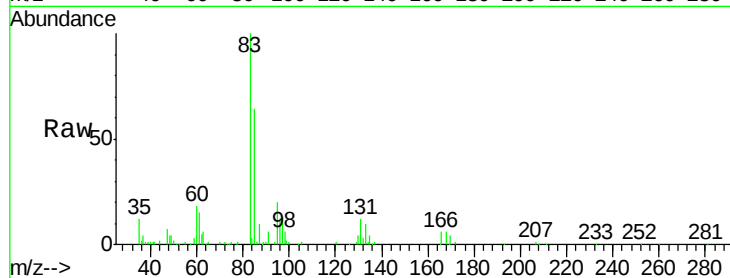
ClientSampleId :

VF0720SBS01

Tot Ion:	83	Resp:	62008
Ion Ratio	Lower	Upper	
83	100		
131	15.1	5.7	17.1
85	64.0	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 20.21 ug/l

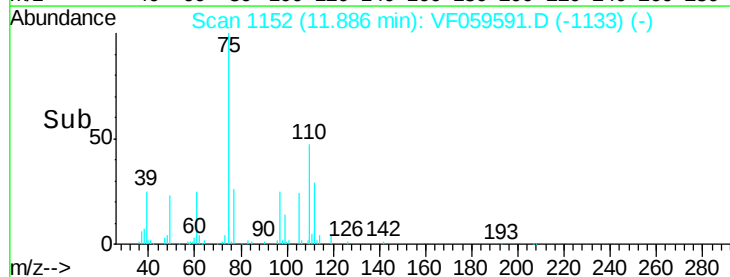
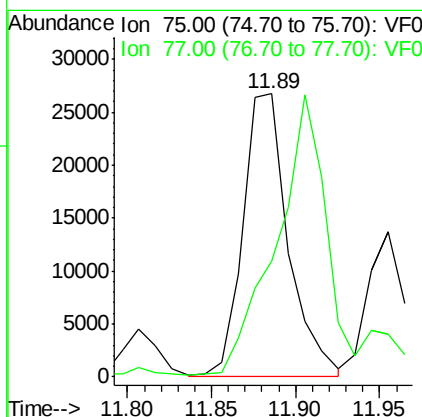
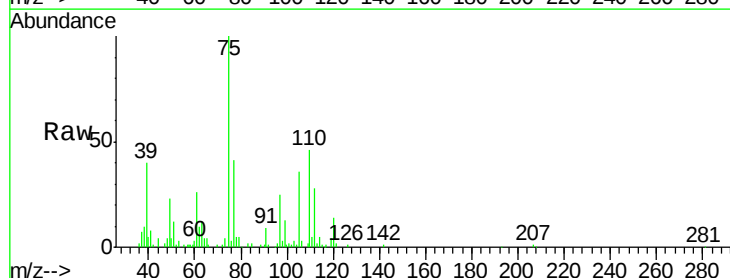
RT: 11.89 min Scan# 1152

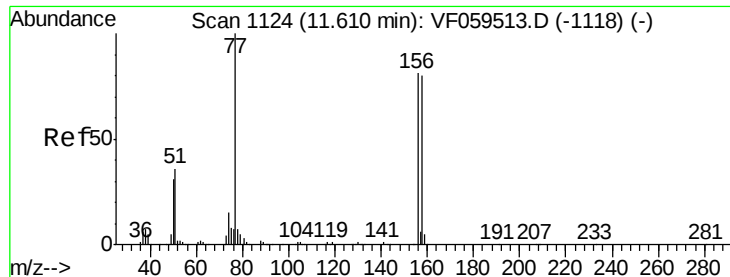
Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion:	75	Resp:	49722
Ion Ratio	Lower	Upper	
75	100		
77	40.7	18.7	56.1





#77

Bromobenzene

Concen: 22.24 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

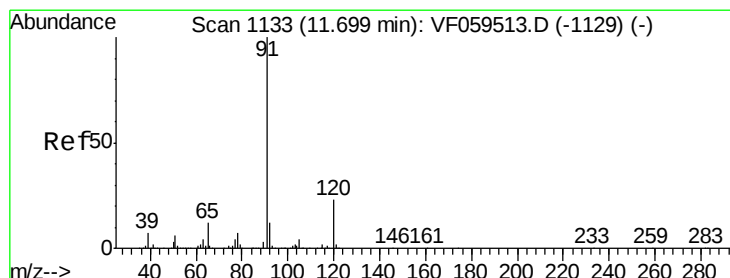
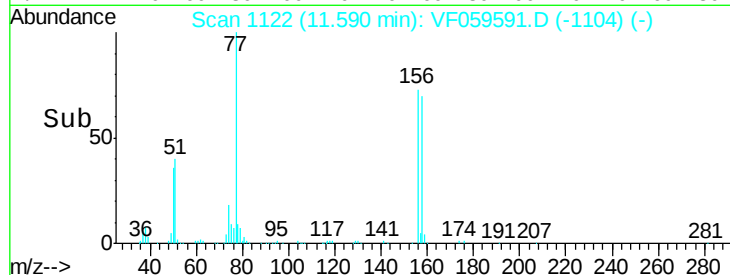
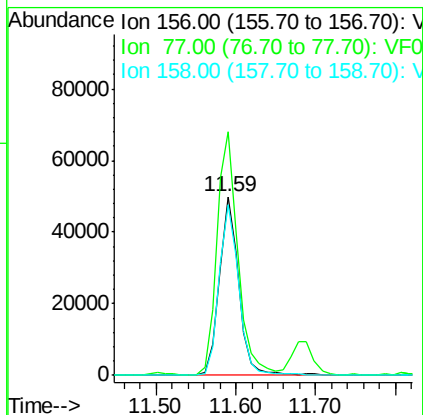
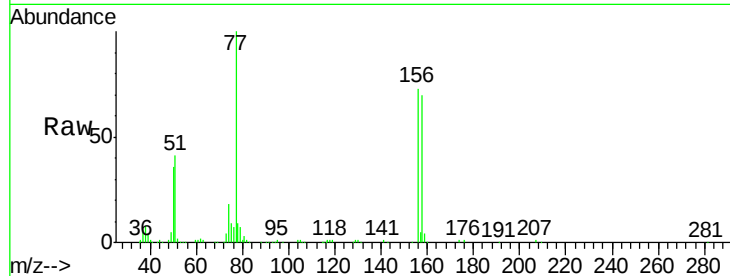
ClientSampleId :

VF0720SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.2	62.0	186.0
158	95.7	49.8	149.3

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#78

n-propylbenzene

Concen: 24.52 ug/l

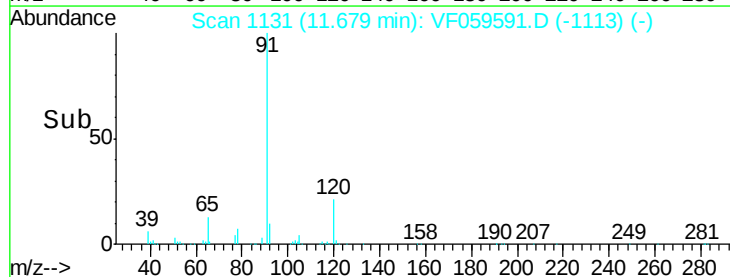
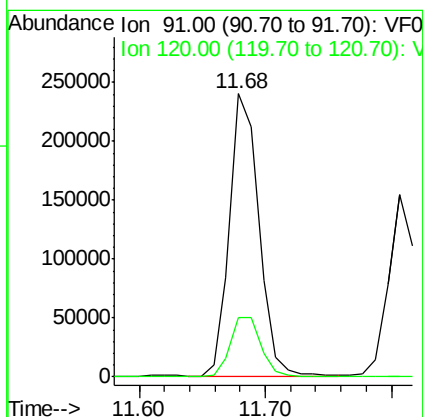
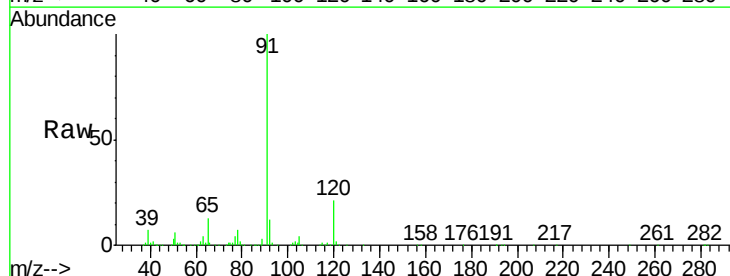
RT: 11.68 min Scan# 1131

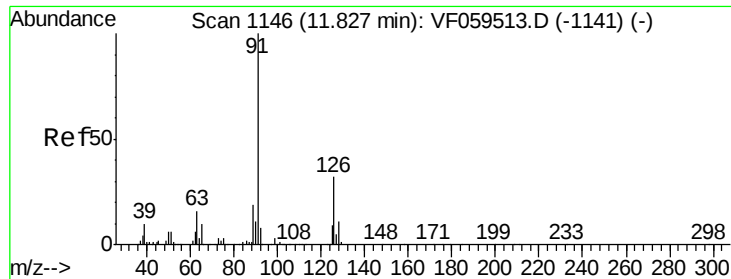
Delta R.T. -0.02 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	11.3	33.9





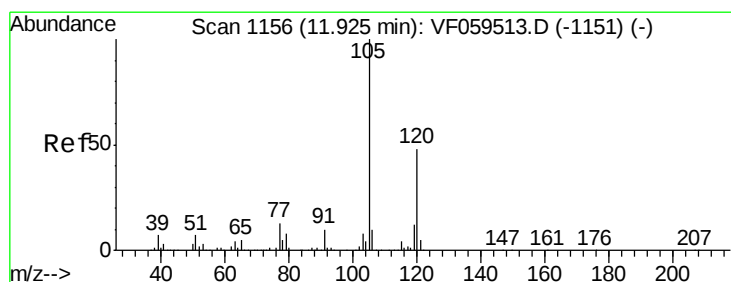
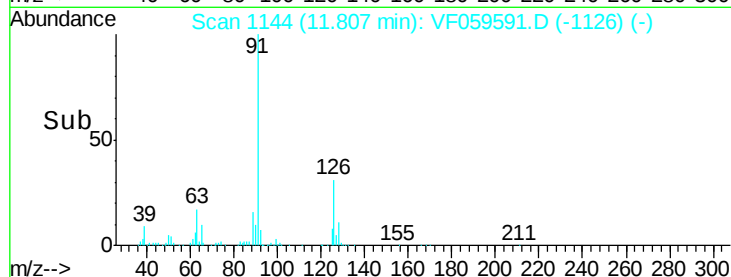
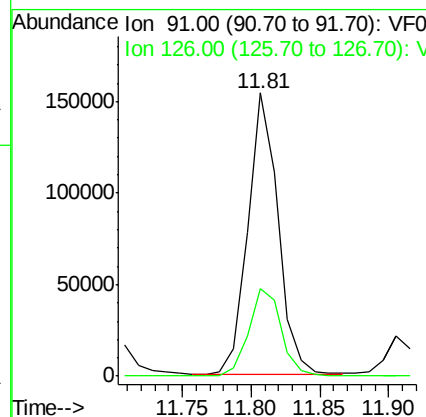
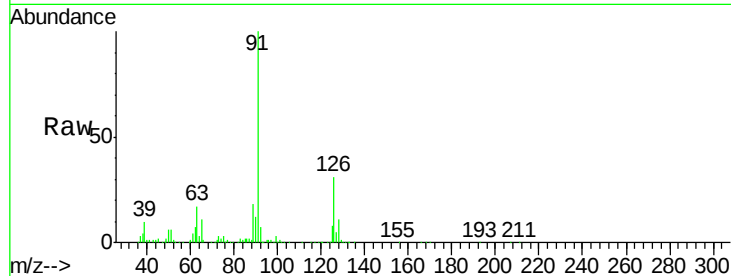
#79
 2-Chlorotoluene
 Concen: 23.95 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.7	47.1

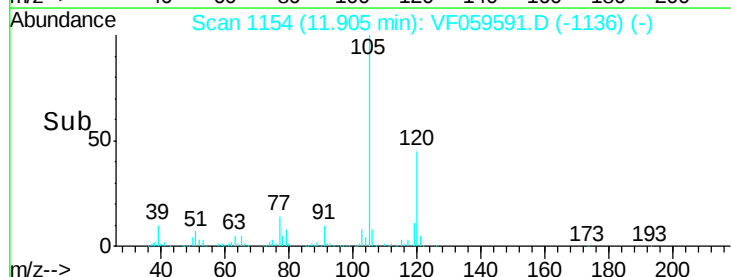
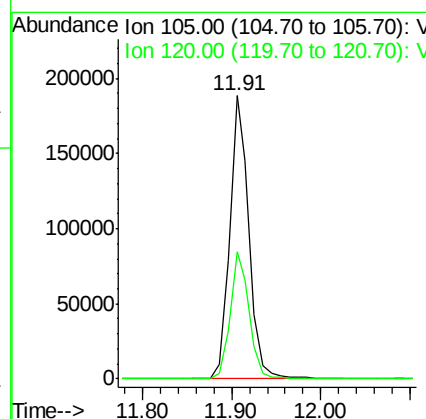
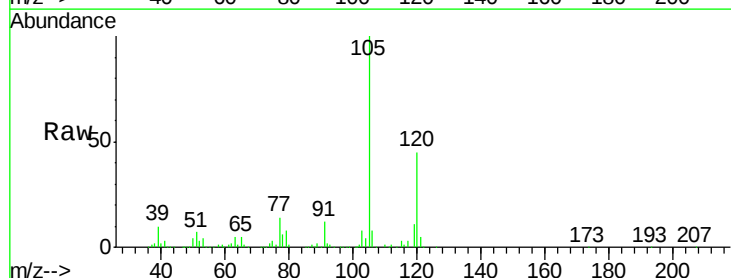
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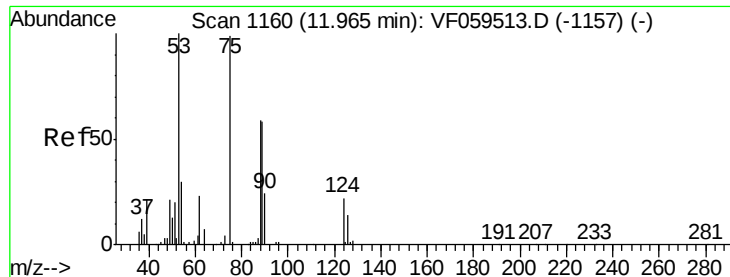
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 24.74 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	24.1	72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.73 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

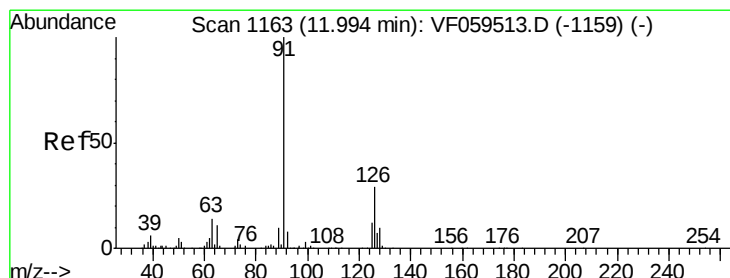
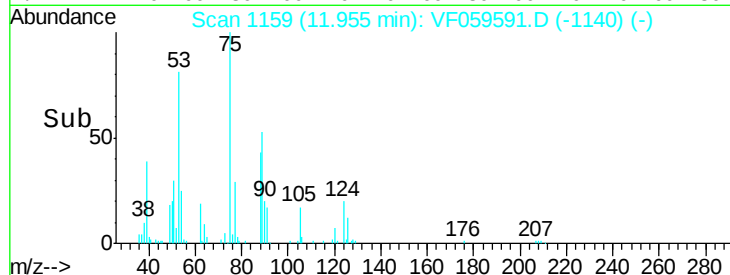
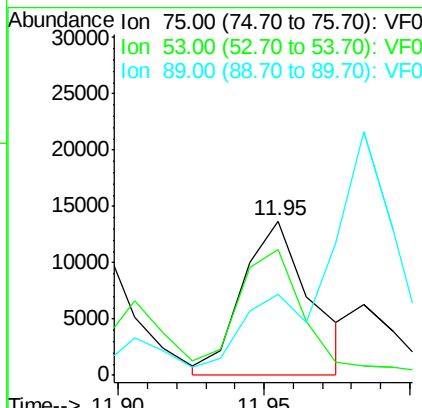
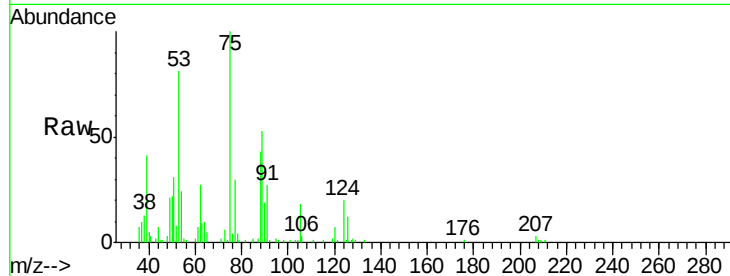
ClientSampleId :

VF0720SBS01

Tot Ion:	75	Resp:	22179
Ion Ratio	Lower	Upper	
75	100		
53	81.2	84.6	127.0#
89	52.5	48.2	72.4

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#82

4-Chlorotoluene

Concen: 23.26 ug/l

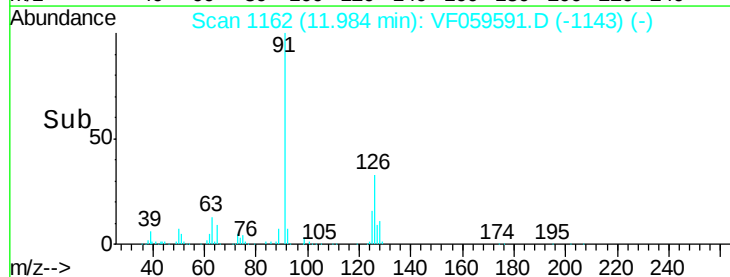
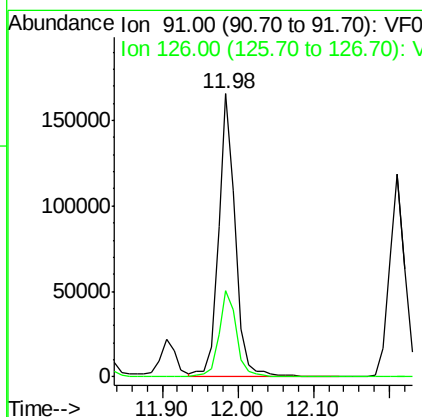
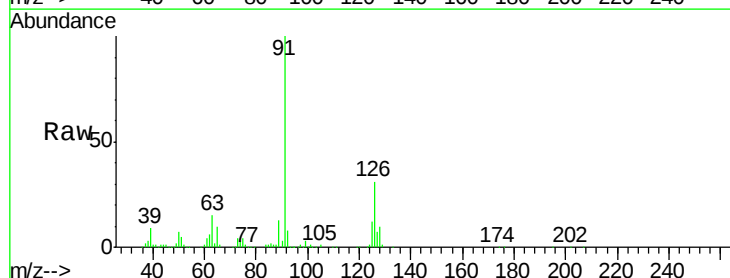
RT: 11.98 min Scan# 1162

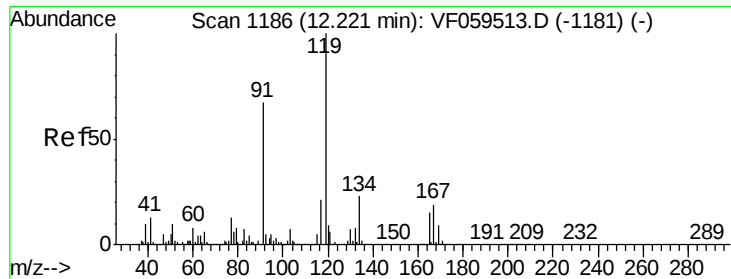
Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion:	91	Resp:	254426
Ion Ratio	Lower	Upper	
91	100		
126	30.6	14.4	43.4





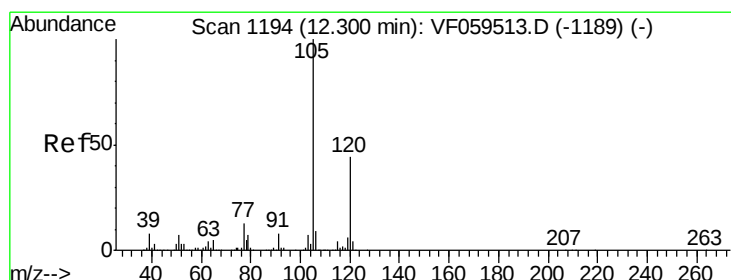
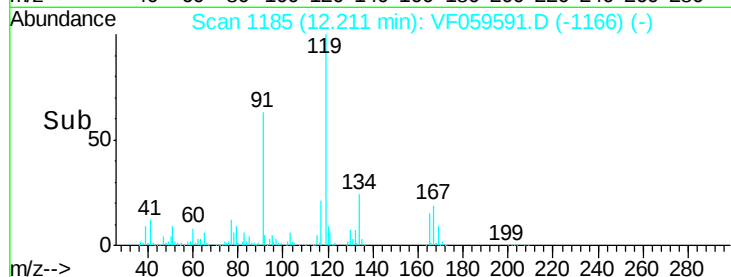
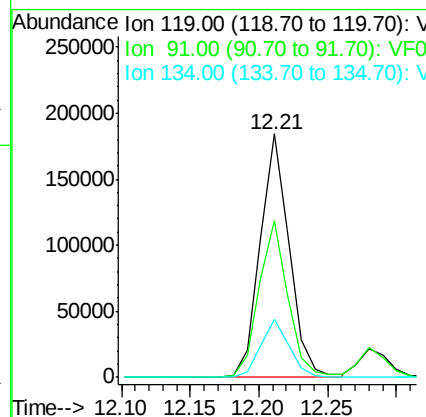
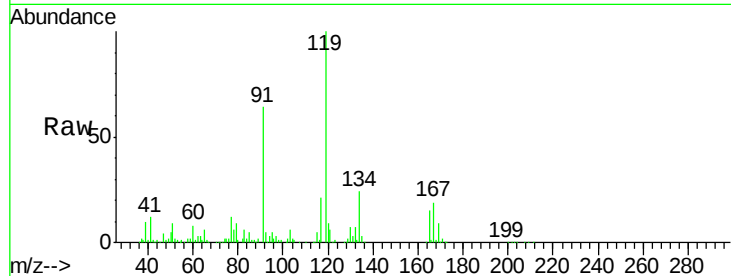
#83
 tert-Butylbenzene
 Concen: 24.67 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	274036		
91	64.5		33.5	100.5
134	24.0		11.3	33.8

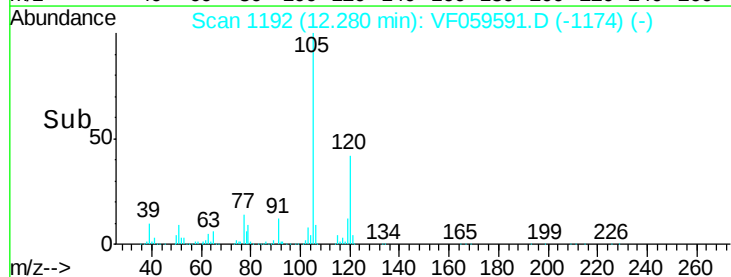
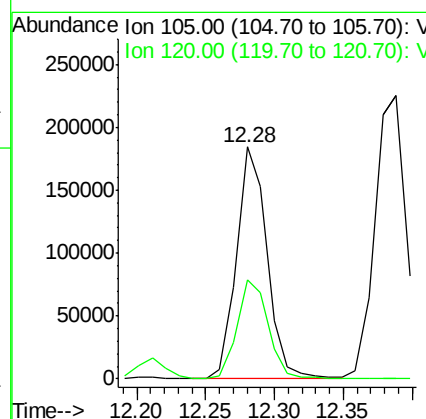
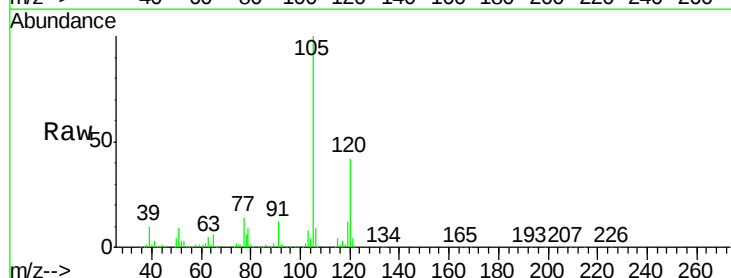
Manual Integrations
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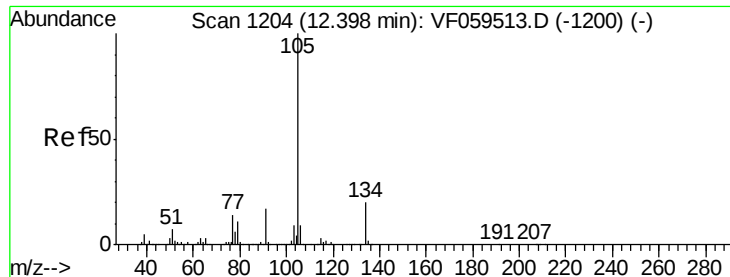
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.93 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	285029		
120	42.4		22.5	67.5





#85

sec-Butylbenzene

Concen: 25.66 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion:105 Resp: 362482

Ion Ratio Lower Upper

105 100

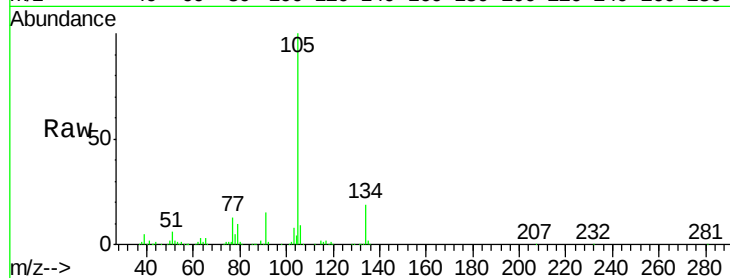
134 19.5 10.1 30.1

Manual Integrations

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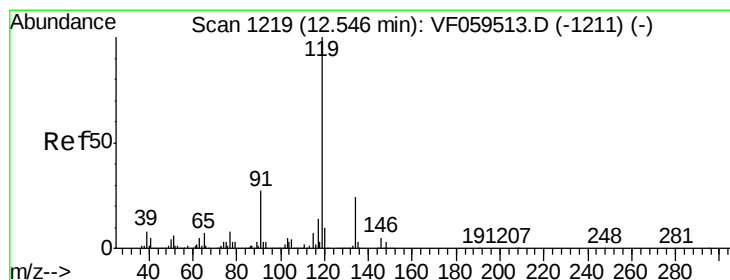
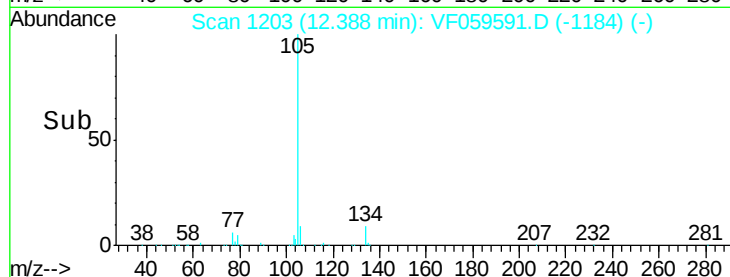
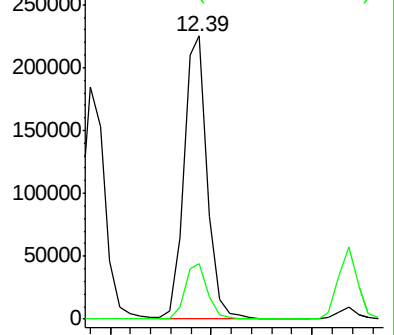
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 25.30 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

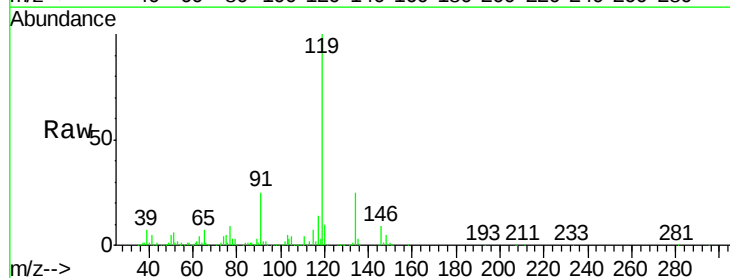
Tgt Ion:119 Resp: 311001

Ion Ratio Lower Upper

119 100

134 25.3 12.0 36.0

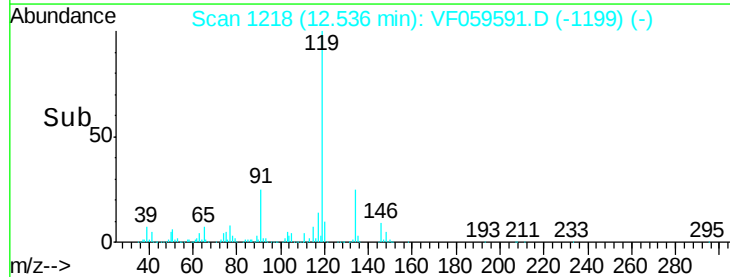
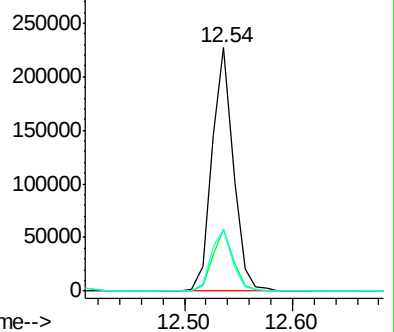
91 25.4 13.5 40.4

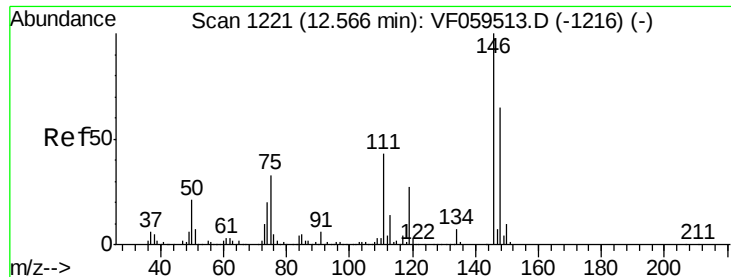


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 24.43 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Instrument :

MSVOA_F

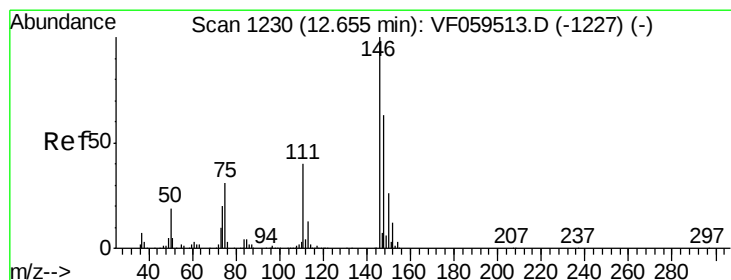
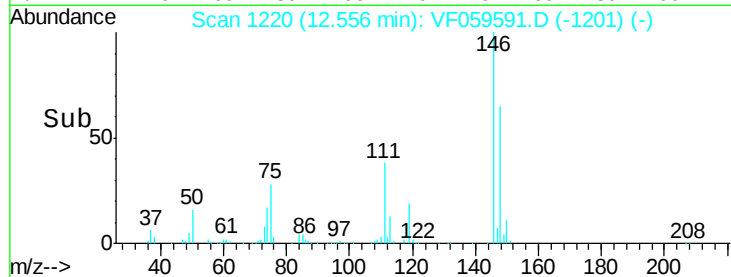
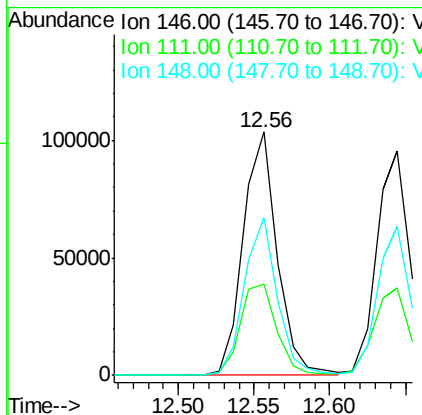
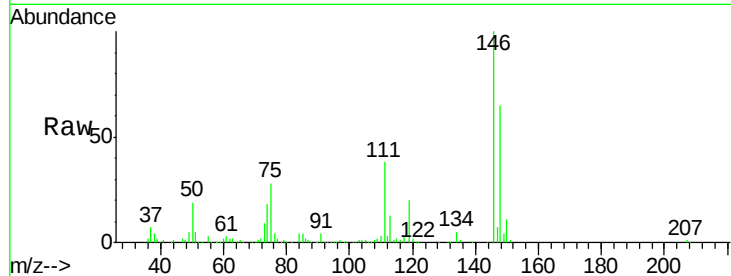
ClientSampleId :

VF0720SBS01

Tot Ion:	146	Resp:	162307
Ion Ratio	Lower	Upper	
146	100		
111	37.7	21.4	64.3
148	64.6	32.7	98.1

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#88

1,4-Dichlorobenzene

Concen: 23.20 ug/l

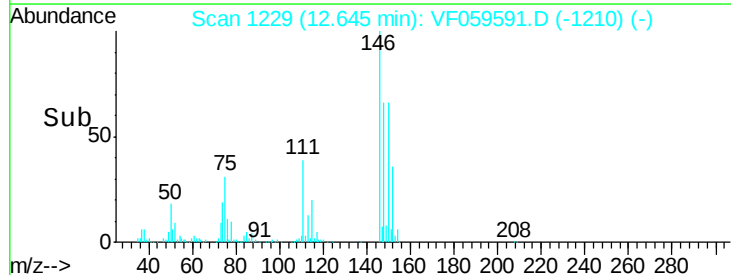
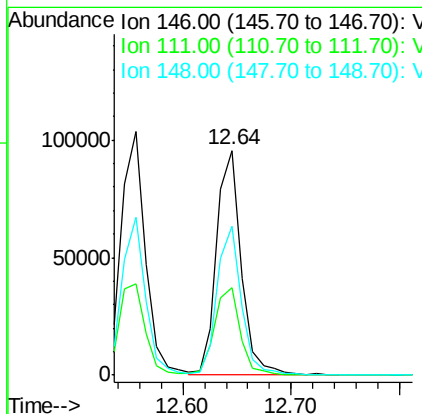
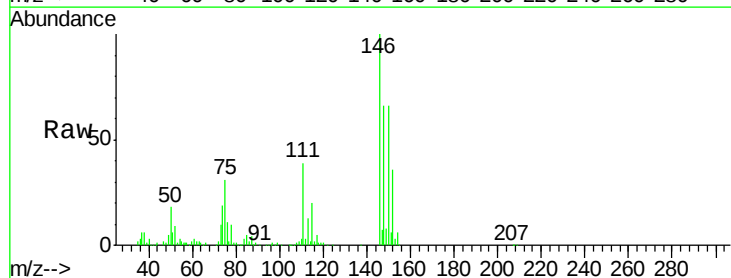
RT: 12.64 min Scan# 1229

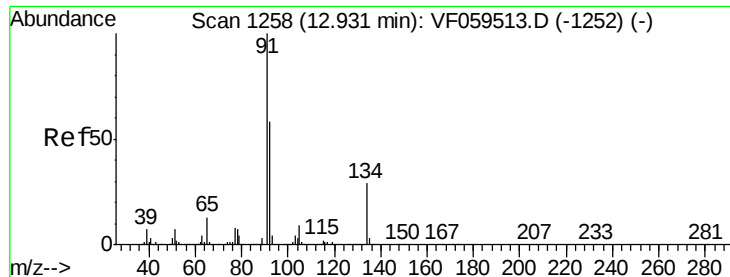
Delta R.T. -0.01 min

Lab File: VF059591.D

Acq: 20 Jul 2018 20:04

Tgt Ion:	146	Resp:	151857
Ion Ratio	Lower	Upper	
146	100		
111	39.0	20.0	59.9
148	66.4	31.5	94.5





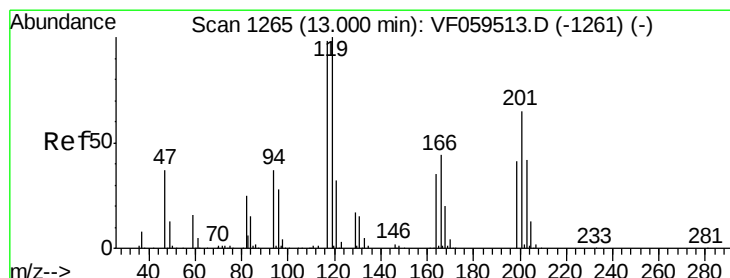
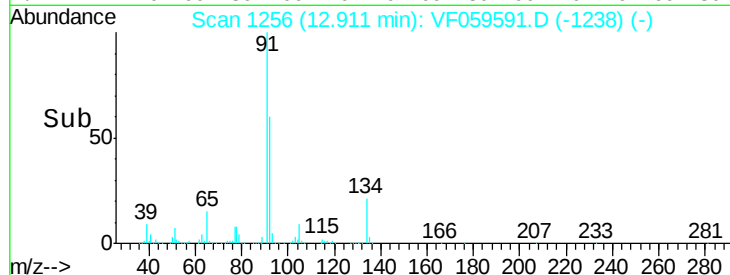
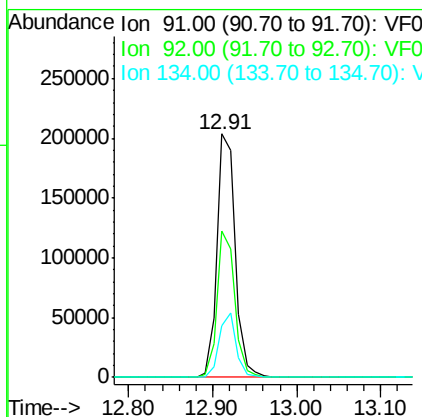
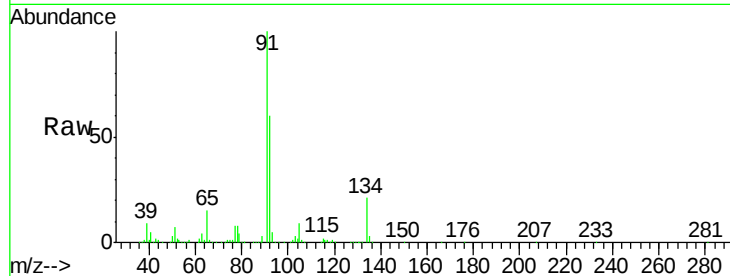
#89
n-Butylbenzene
Concen: 26.70 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.1	29.1	87.3
134	21.3	14.3	42.9

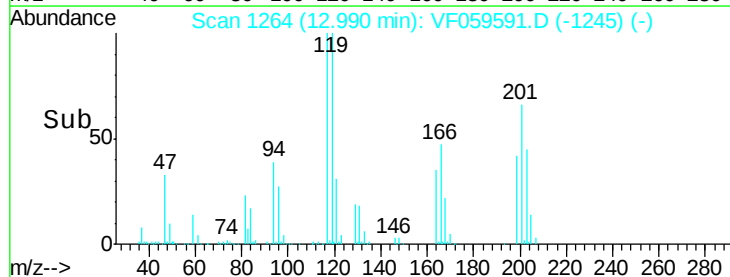
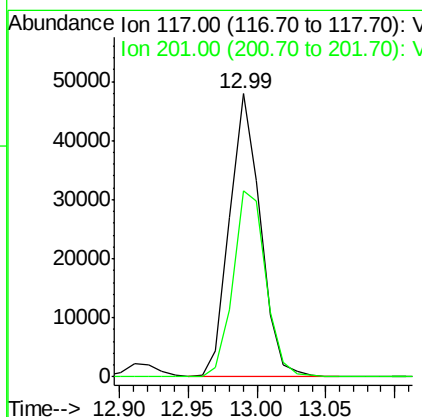
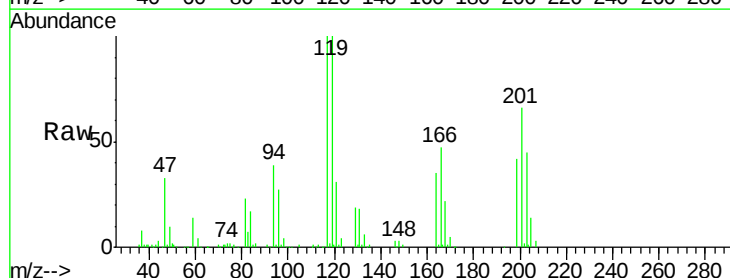
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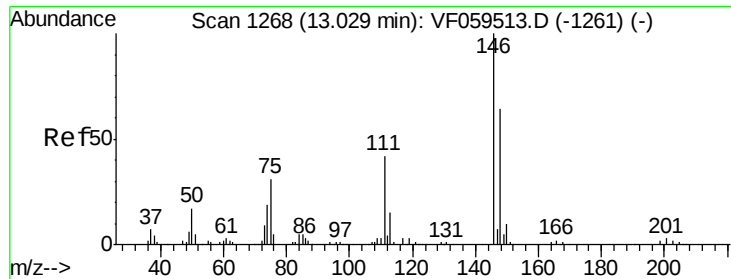
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#90
Hexachloroethane
Concen: 26.73 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.5	32.6	98.0





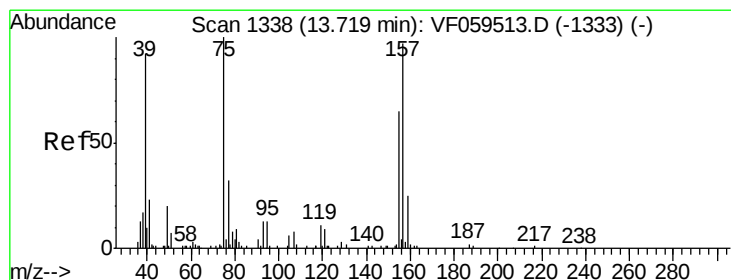
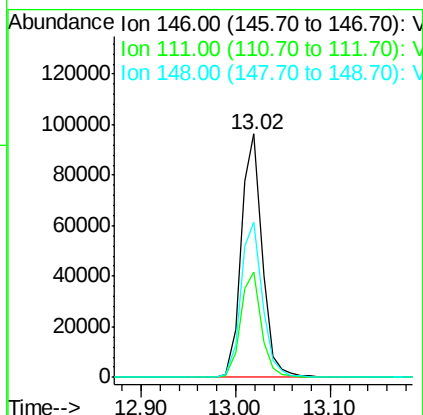
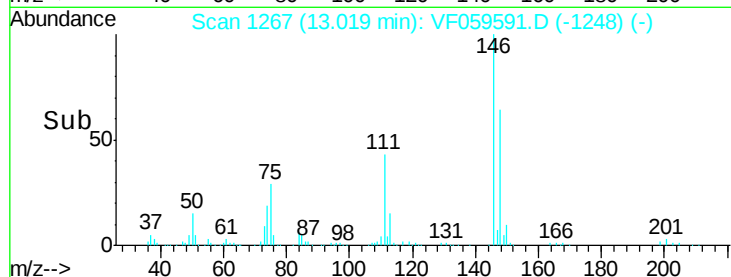
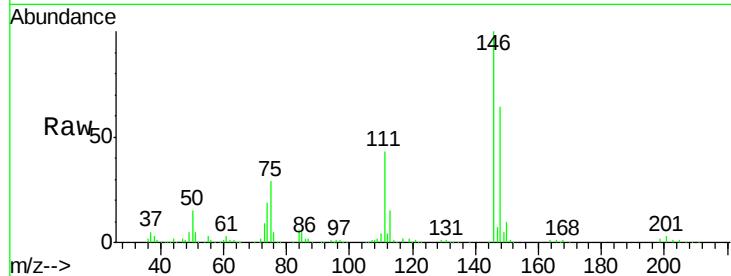
#91
 1,2-Dichlorobenzene
 Concen: 23.17 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.1
148	63.5	32.3	96.8

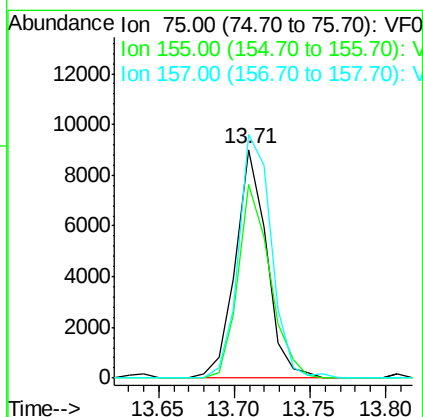
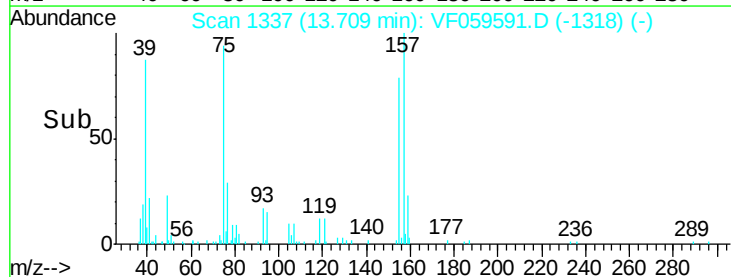
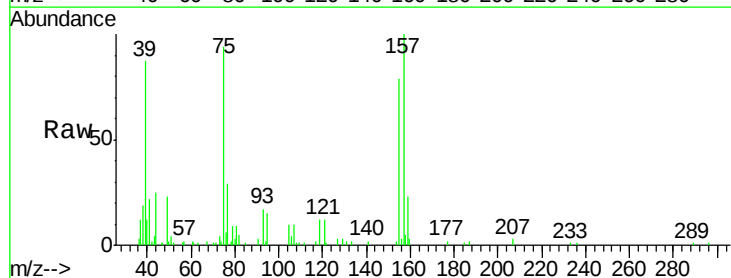
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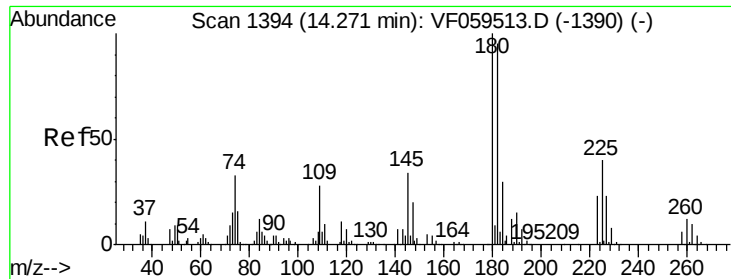
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.88 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	32.8	98.3
157	106.6	48.5	145.5





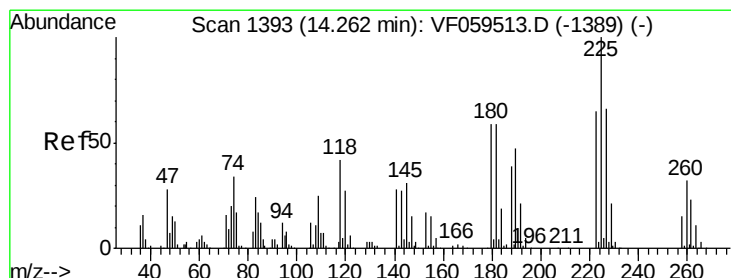
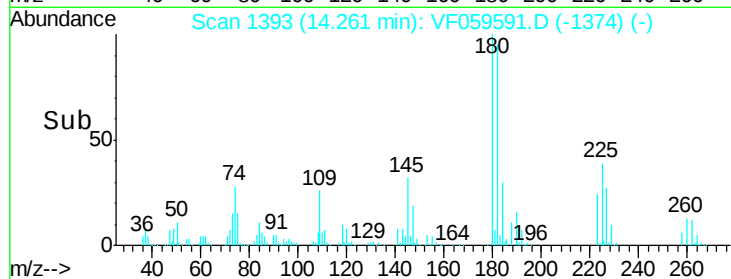
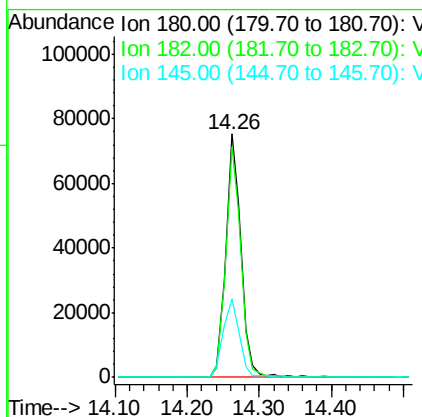
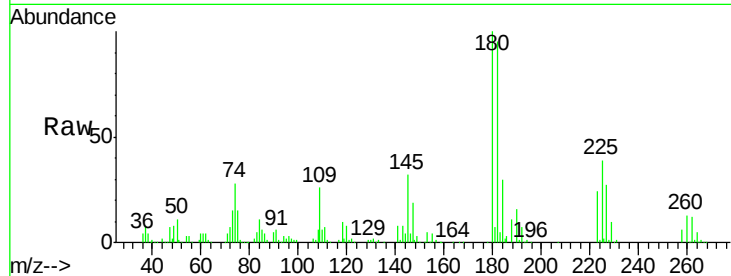
#93
 1,2,4-Trichlorobenzene
 Concen: 28.43 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109733		
182	94.9	47.5	142.5	
145	32.0	17.3	51.7	

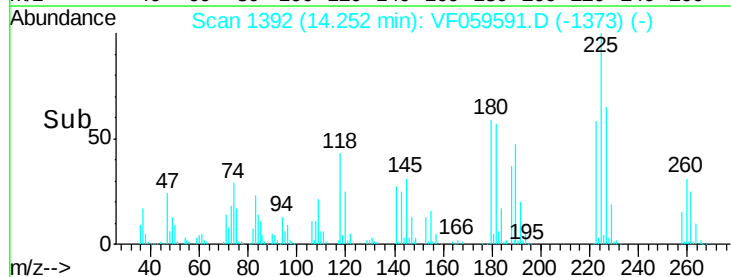
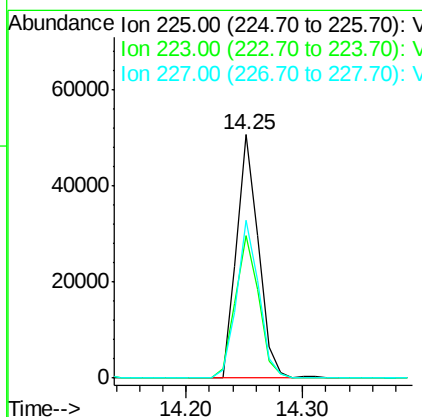
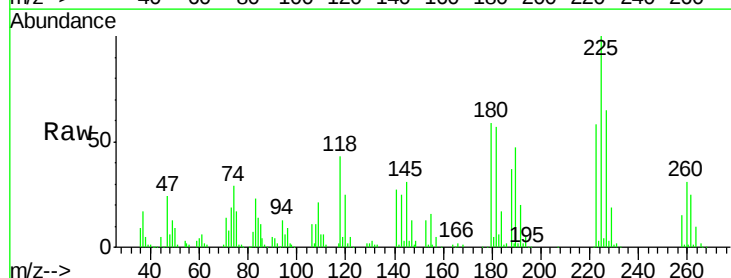
Manual Integrations
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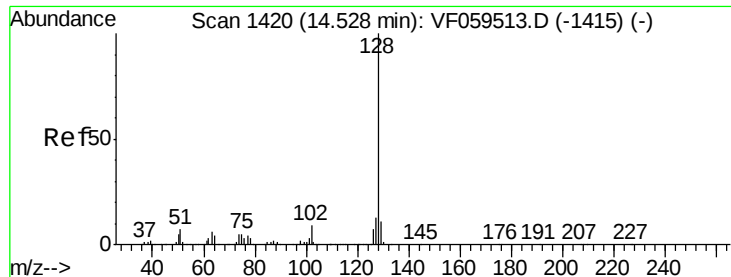
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#94
 Hexachlorobutadiene
 Concen: 33.52 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059591.D
 Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66288		
223	58.4	32.3	96.8	
227	65.0	33.2	99.6	





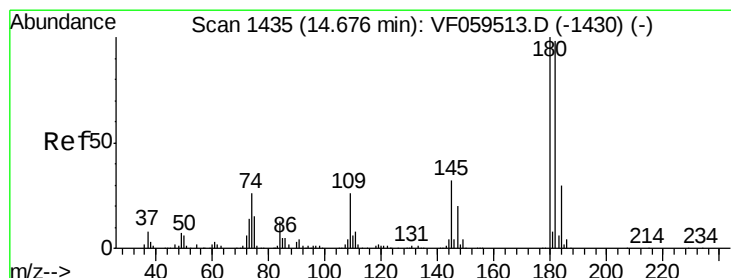
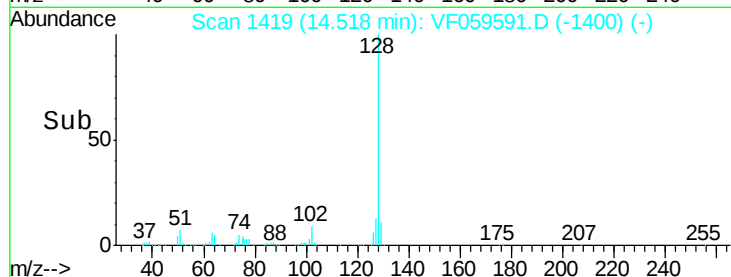
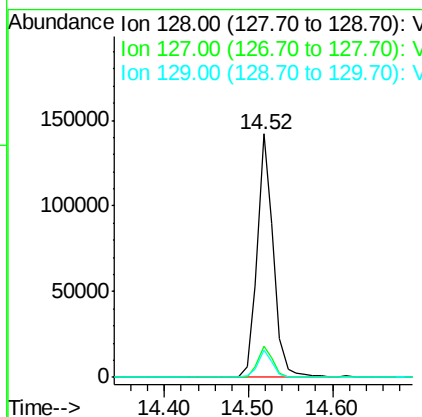
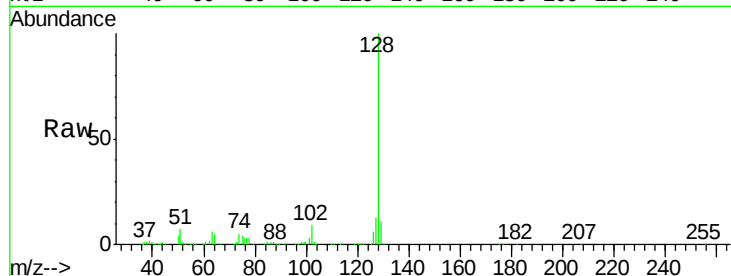
#95
Naphthalene
Concen: 24.16 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.2	9.0	13.4

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#96
1,2,3-Trichlorobenzene
Concen: 27.53 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059591.D
Acq: 20 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	104.2	48.8	146.4
145	32.3	16.2	48.6

