

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059590.D
 Acq On : 20 Jul 2018 19:36
 Operator : VA/AP
 Sample : VF0720SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Manual Integrations
 APPROVED

apatel
 7/23/2018 10:52:03 AM

Quant Time: Jul 21 00:10:32 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	236963	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	353688	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.92	117	356913	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	220586	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	189123	51.32	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	4.29	113	158761	51.83	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.66%	
50) Toluene-d8	7.70	98	386002	50.03	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.50	95	213606	52.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	61576	21.21	ug/l	93
3) Chloromethane	1.08	50	33456	20.94	ug/l	95
4) Vinyl Chloride	1.14	62	37095	23.01	ug/l	93
5) Bromomethane	1.34	94	31100	27.84	ug/l	94
6) Chloroethane	1.42	64	20141	24.78	ug/l #	81
7) Trichlorofluoromethane	1.48	101	79497m	20.15	ug/l	
8) Diethyl Ether	1.69	74	16074	21.17	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	50040	30.04	ug/l #	87
10) Methyl Iodide	1.95	142	89430	30.66	ug/l	98
11) Tert butyl alcohol	2.67	59	16827	99.99	ug/l	100
12) 1,1-Dichloroethene	1.85	96	40364	22.78	ug/l	90
13) Acrolein	2.08	56	7438m	77.08	ug/l	
14) Allyl chloride	2.18	41	68875	31.15	ug/l	95
15) Acrylonitrile	3.06	53	31591	102.17	ug/l	91
16) Acetone	2.33	43	66662	105.13	ug/l	99
17) Carbon Disulfide	1.83	76	105810	23.31	ug/l	98
18) Methyl Acetate	2.44	43	20243m	15.92	ug/l	
19) Methyl tert-butyl Ether	2.52	73	112999	20.33	ug/l	99
20) Methylene Chloride	2.27	84	41799	22.63	ug/l #	84
21) trans-1,2-Dichloroethene	2.40	96	40496	24.72	ug/l	89
22) Diisopropyl ether	2.92	45	134053	21.57	ug/l #	97
23) Vinyl Acetate	3.32	43	373237	102.79	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	91971	23.97	ug/l	98
25) 2-Butanone	4.49	43	82601	96.54	ug/l	100
26) 2,2-Dichloropropane	3.75	77	75659	29.80	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	49109	25.76	ug/l	94
28) Bromochloromethane	3.88	49	35948	21.28	ug/l #	83
29) Tetrahydrofuran	4.25	42	33730	82.54	ug/l	96
30) Chloroform	4.03	83	132233	23.85	ug/l	94
31) Cyclohexane	3.85	56	56165	28.26	ug/l #	86
32) 1,1,1-Trichloroethane	4.27	97	113032	31.38	ug/l	98
36) 1,1-Dichloropropene	4.45	75	83408	23.56	ug/l	98
37) Ethyl Acetate	4.28	43	32702	12.89	ug/l #	1
38) Carbon Tetrachloride	4.16	117	110654m	27.28	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	73561	27.38	ug/l	93
40) Benzene	4.80	78	156478	22.78	ug/l	94
41) Methacrylonitrile	4.91	41	16865	16.61	ug/l #	87
42) 1,2-Dichloroethane	5.11	62	97201	21.55	ug/l	97
43) Isopropyl Acetate	7.11	43	46133	18.13	ug/l #	93
44) Trichloroethene	5.67	130	59307	23.33	ug/l	97
45) 1,2-Dichloropropane	6.40	63	40532	21.26	ug/l	91
46) Dibromomethane	6.25	93	37165	21.41	ug/l	96
47) Bromodichloromethane	6.54	83	94611	21.17	ug/l	98
48) Methyl methacrylate	6.87	41	32511	17.89	ug/l	98
49) 1,4-Dioxane	6.86	88	2981	326.05	ug/l #	74
51) 4-Methyl-2-Pentanone	8.40	43	160727	89.13	ug/l	92
52) Toluene	7.77	92	111254	22.34	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	79464	19.33	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	88644	21.66	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	39893	20.67	ug/l	95
56) Ethyl methacrylate	8.75	69	46051	19.24	ug/l	97
57) 1,3-Dichloropropane	9.00	76	71633	20.99	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.78	63	25181	119.17	ug/l	100
59) 2-Hexanone	9.62	43	120688	88.56	ug/l	99
60) Dibromochloromethane	8.86	129	69672	21.42	ug/l	99
61) 1,2-Dibromoethane	9.13	107	48653	20.32	ug/l	93
64) Tetrachloroethene	8.30	164	59179	22.27	ug/l	97
65) Chlorobenzene	9.94	112	155115	23.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	65346	21.43	ug/l	96
67) Ethyl Benzene	10.03	91	279792	23.48	ug/l	99
68) m/p-Xylenes	10.26	106	199861	47.53	ug/l	94
69) o-Xylene	10.82	106	104091	23.25	ug/l	89
70) Styrene	10.89	104	161077	23.40	ug/l	98
71) Bromoform	10.88	173	41415	19.56	ug/l	96
73) Isopropylbenzene	11.23	105	322145	23.14	ug/l	99
74) N-amyl acetate	11.46	43	67680	15.18	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	61045	20.11	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	49162	19.83	ug/l	89
77) Bromobenzene	11.59	156	85968	22.03	ug/l	92
78) n-propylbenzene	11.68	91	368294	23.07	ug/l	97
79) 2-Chlorotoluene	11.81	91	237243	24.12	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	289797	24.85	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	20567m	18.16	ug/l	
82) 4-Chlorotoluene	11.99	91	252997	22.96	ug/l	95
83) tert-Butylbenzene	12.21	119	279784	24.99	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	286232	23.85	ug/l	95
85) sec-Butylbenzene	12.38	105	365717	25.69	ug/l	96
86) p-Isopropyltoluene	12.54	119	305569	24.67	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	155555	23.24	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	150930	22.88	ug/l	98
89) n-Butylbenzene	12.91	91	308994	26.66	ug/l	95
90) Hexachloroethane	12.99	117	75948	26.99	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	155020	24.22	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11894	17.29	ug/l	88

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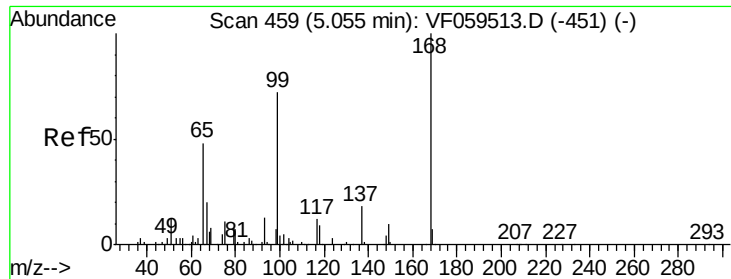
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	111627	28.70	ug/l	94
94) Hexachlorobutadiene	14.25	225	67909	34.08	ug/l	98
95) Naphthalene	14.52	128	179166	22.17	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	99098	28.20	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion:168 Resp: 236963

Ion Ratio Lower Upper

168 100

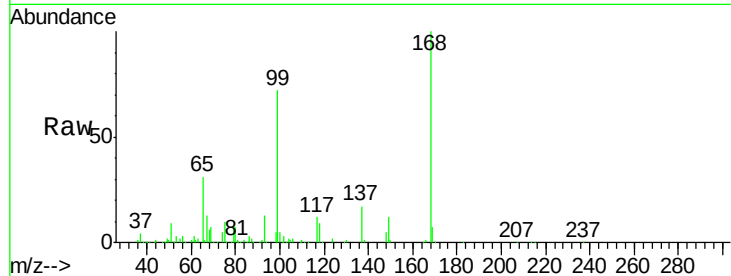
99 71.5 57.6 86.4

Manual Integrations

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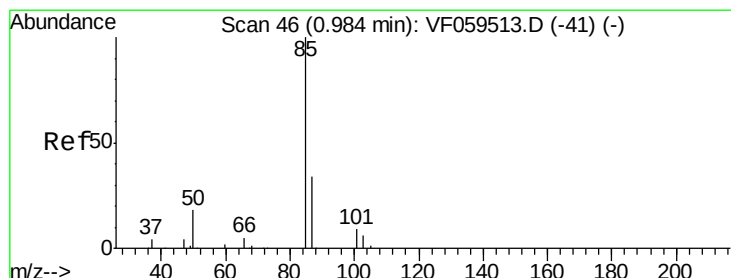
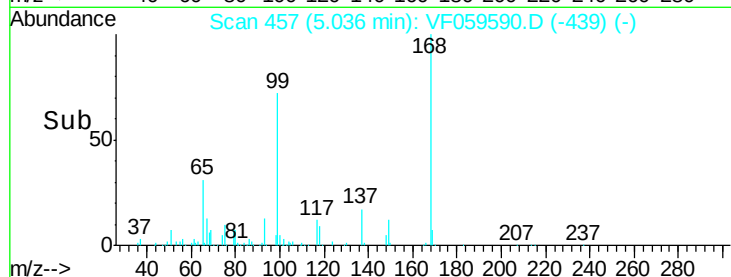
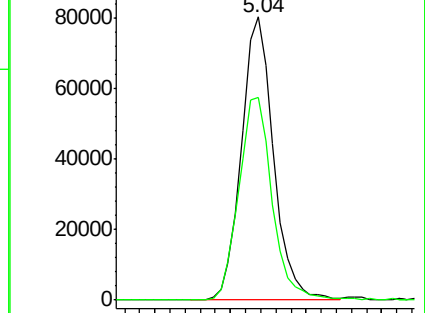
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 21.21 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059590.D

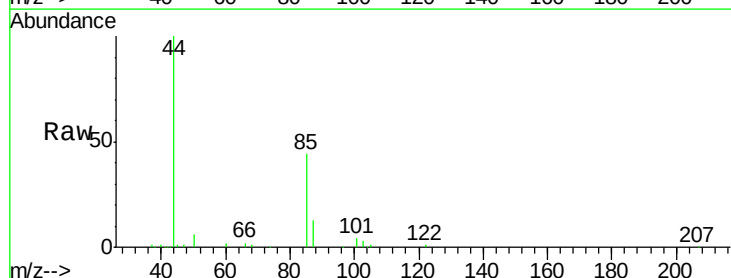
Acq: 20 Jul 2018 19:36

Tgt Ion: 85 Resp: 61576

Ion Ratio Lower Upper

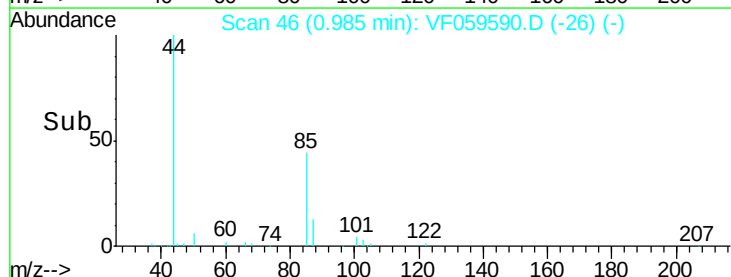
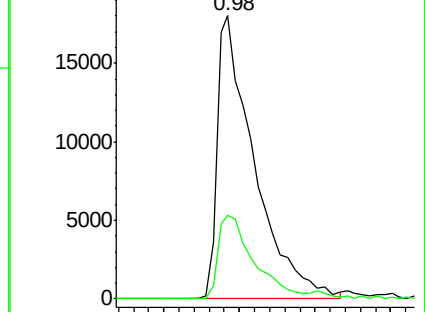
85 100

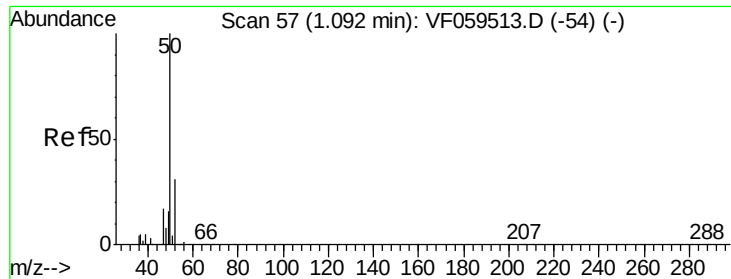
87 29.7 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 20.94 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 50 Resp: 33456

Ion Ratio Lower Upper

50 100

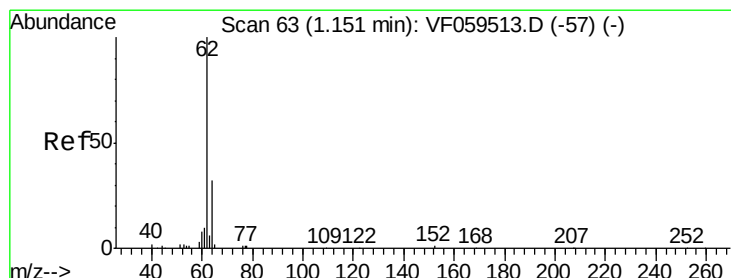
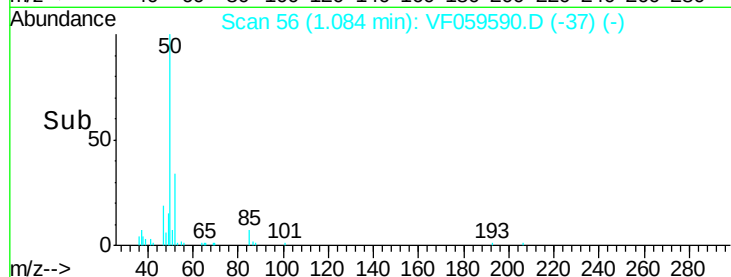
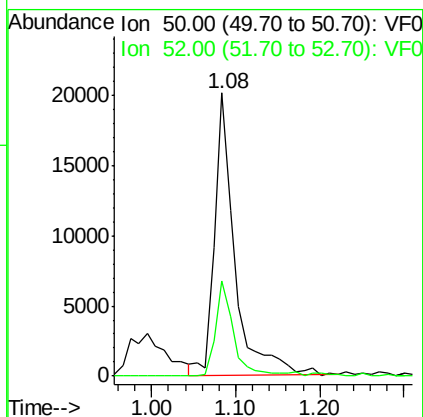
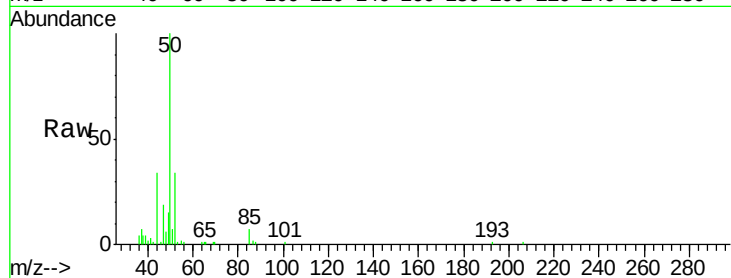
52 33.8 24.6 37.0

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#4

Vinyl Chloride

Concen: 23.01 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059590.D

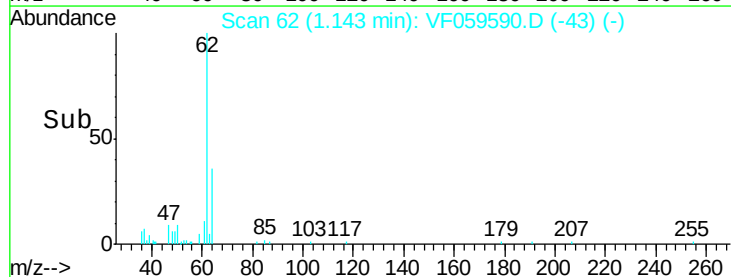
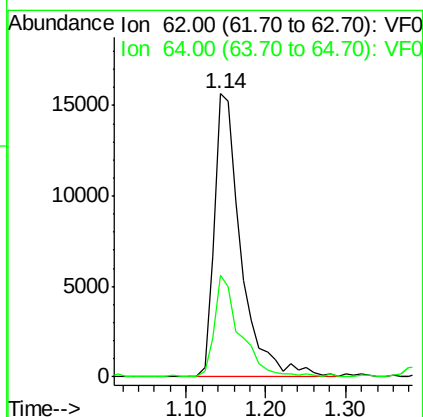
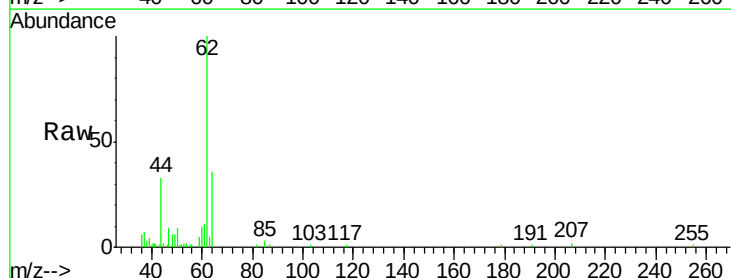
Acq: 20 Jul 2018 19:36

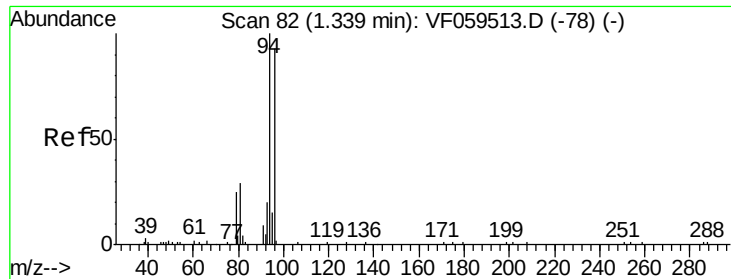
Tgt Ion: 62 Resp: 37095

Ion Ratio Lower Upper

62 100

64 35.8 25.7 38.5





#5

Bromomethane

Concen: 27.84 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 94 Resp: 31100

Ion Ratio Lower Upper

94 100

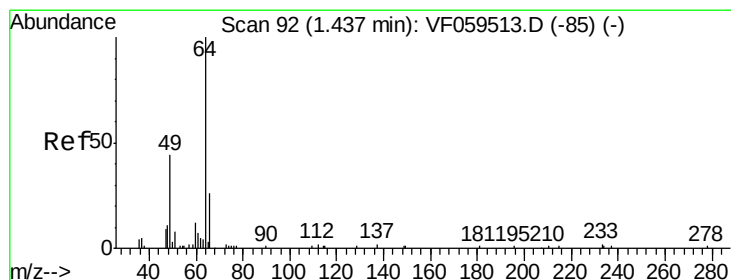
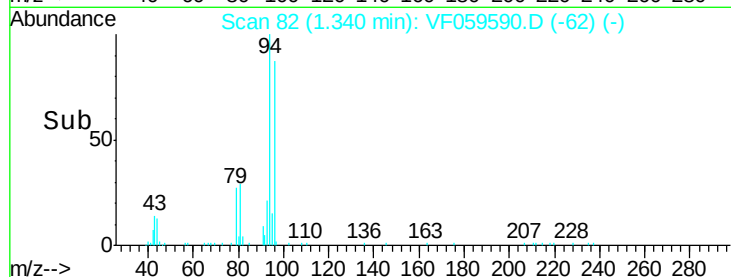
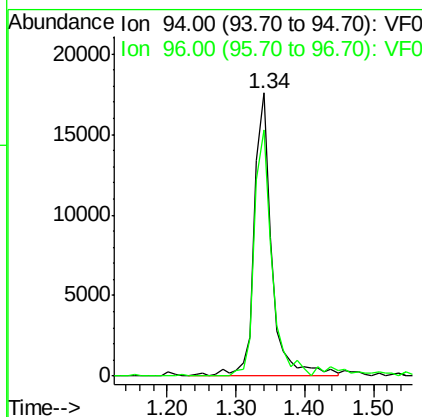
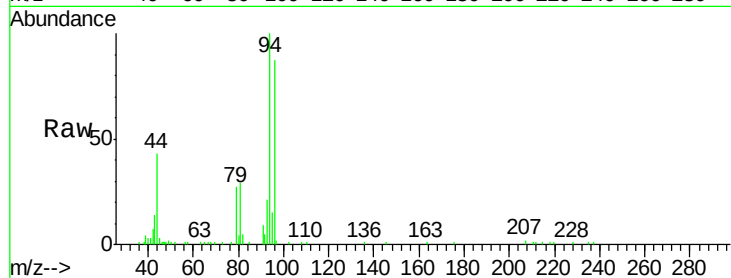
96 87.2 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 24.78 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059590.D

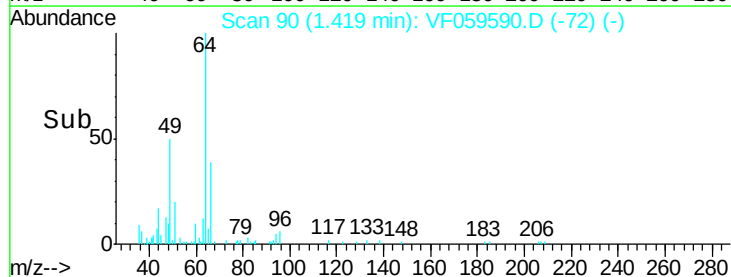
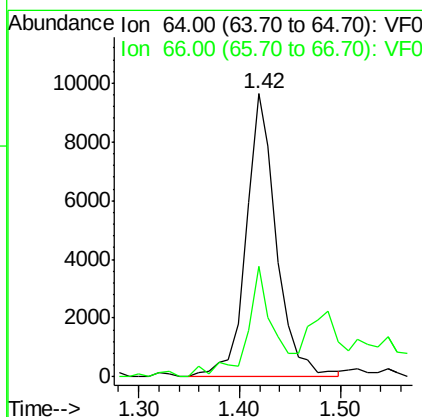
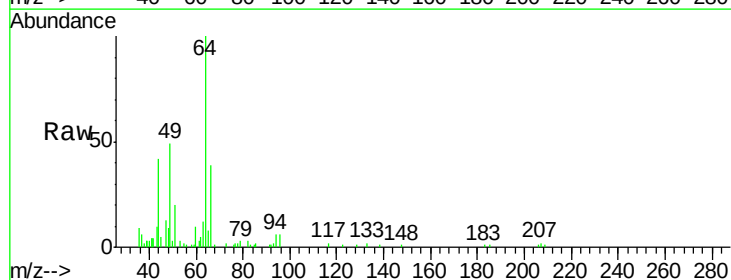
Acq: 20 Jul 2018 19:36

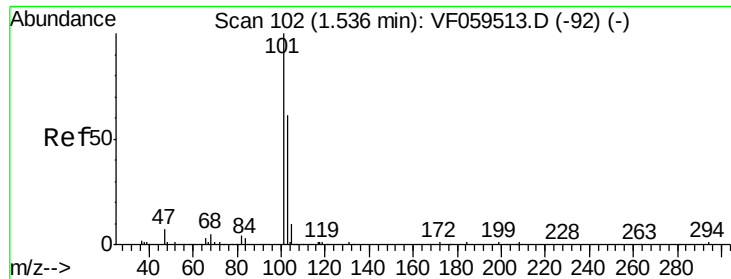
Tgt Ion: 64 Resp: 20141

Ion Ratio Lower Upper

64 100

66 38.9 22.9 34.3#





#7

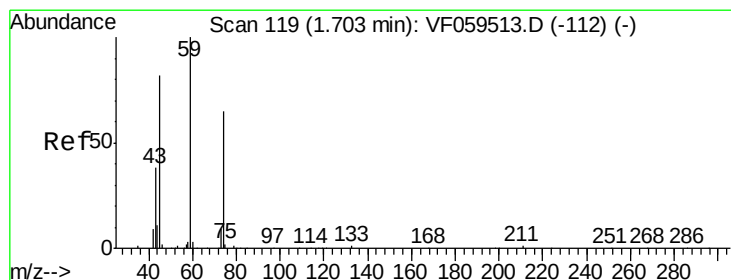
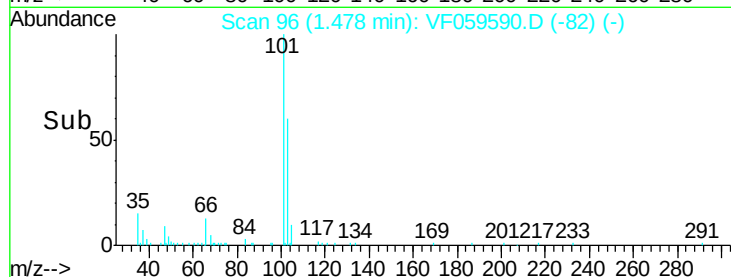
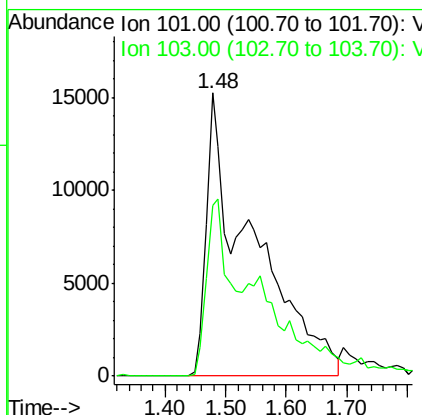
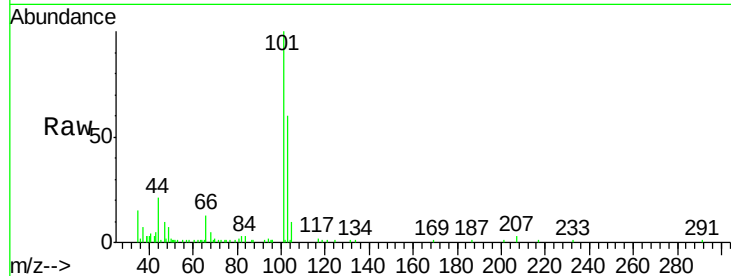
Trichlorofluoromethane
 Concen: 20.15 ug/l m
 RT: 1.48 min Scan# 96
 Delta R.T. -0.06 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

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 ClientSampleId :
 VF0720SBS01

Tot Ion:101 Resp: 79497
 Ion Ratio Lower Upper
 101 100
 103 60.3 48.6 72.8

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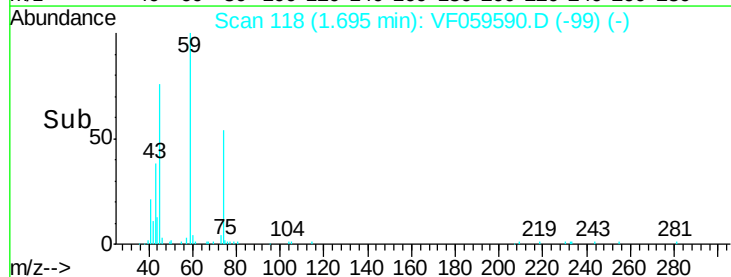
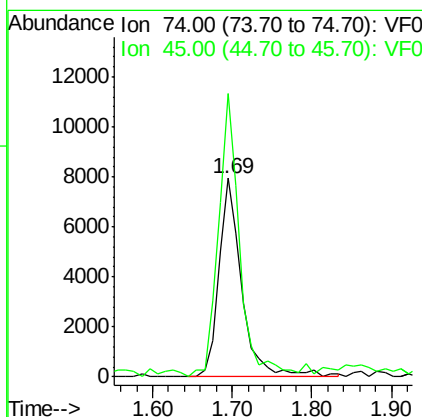
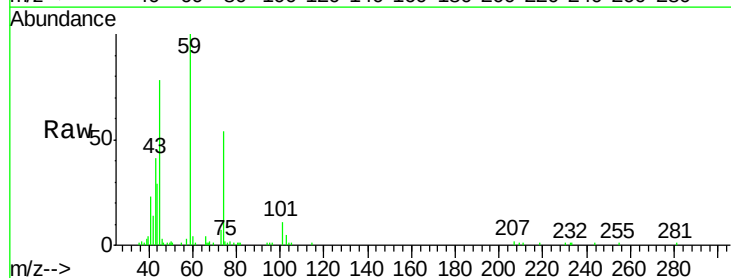
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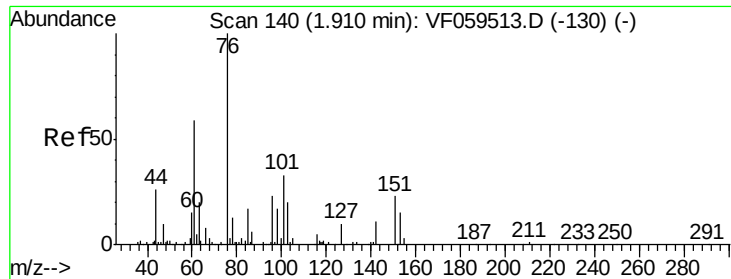


#8

Diethyl Ether
 Concen: 21.17 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Tgt Ion: 74 Resp: 16074
 Ion Ratio Lower Upper
 74 100
 45 142.4 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 30.04 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

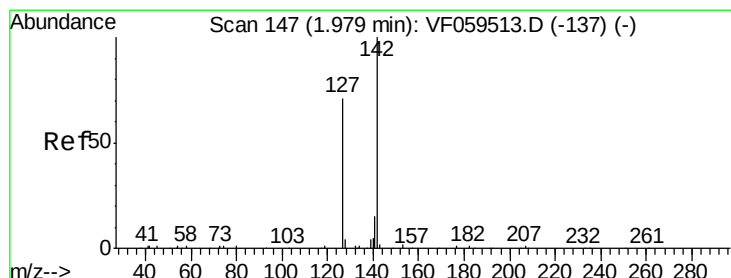
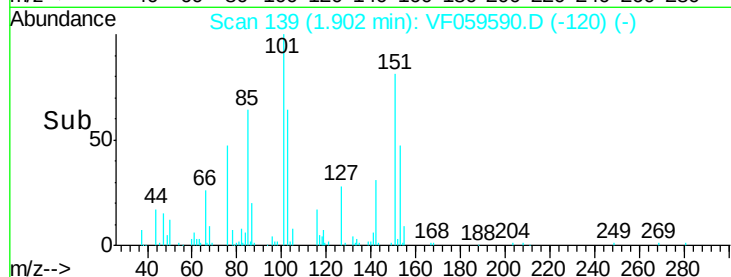
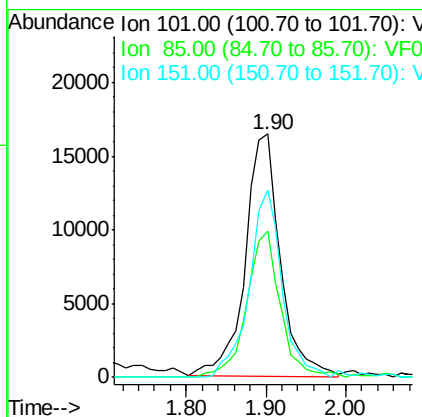
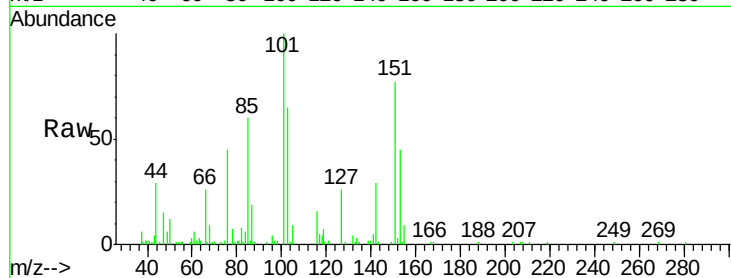
ClientSampleId :

VF0720SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	60.1	39.8	59.6#
151	76.8	54.2	81.2

Manual Integrations
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#10

Methyl Iodide

Concen: 30.66 ug/l

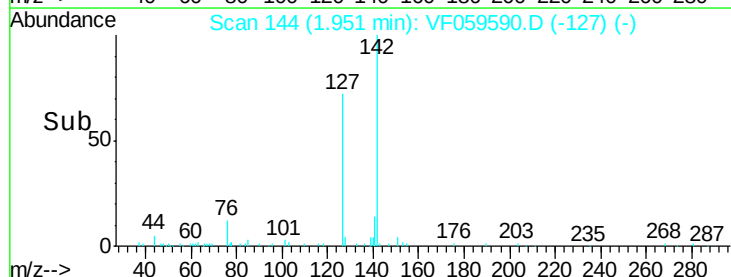
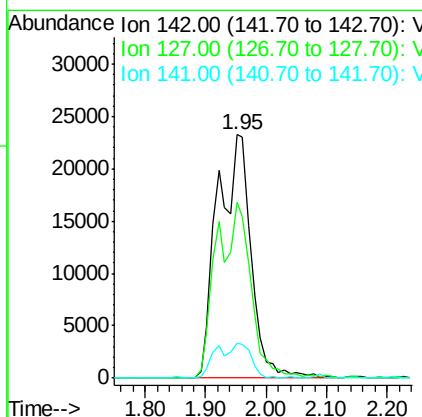
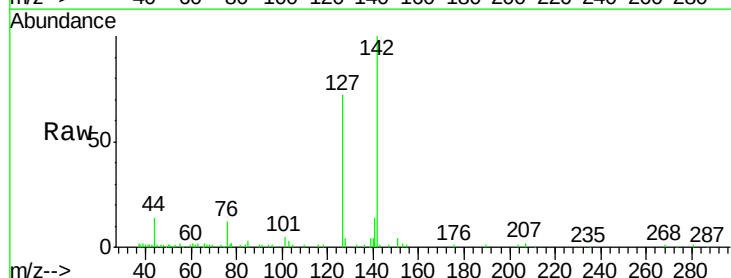
RT: 1.95 min Scan# 144

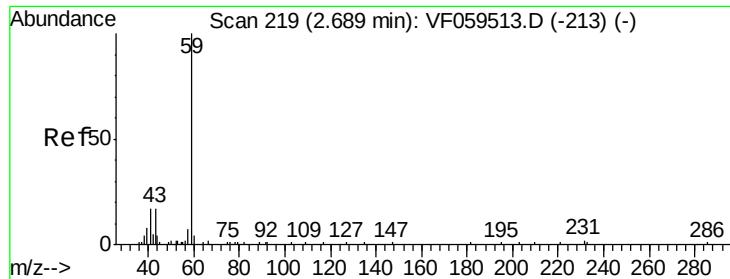
Delta R.T. -0.03 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
142	100		
127	72.2	56.4	84.6
141	14.1	12.0	18.0





#11

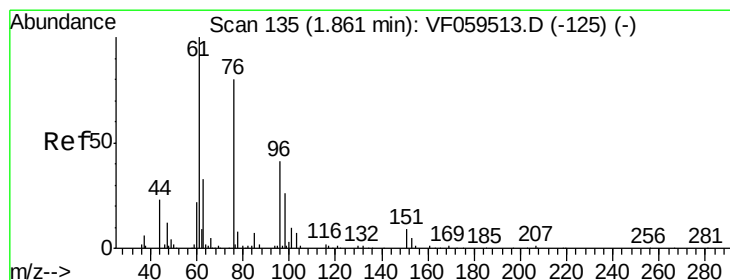
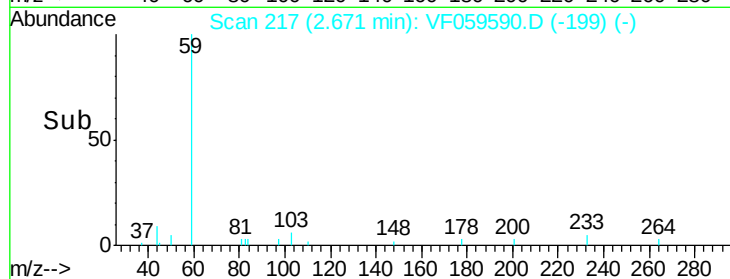
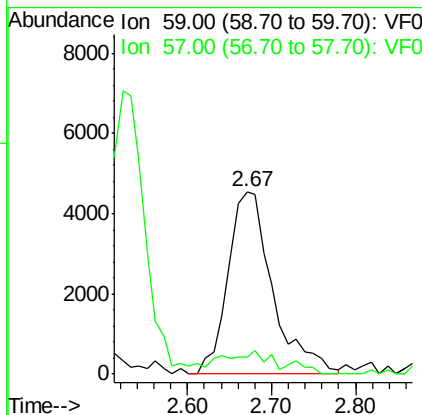
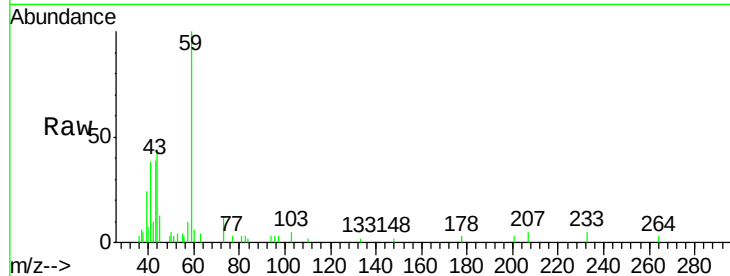
Tert butyl alcohol
Concen: 99.99 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.7	11.5

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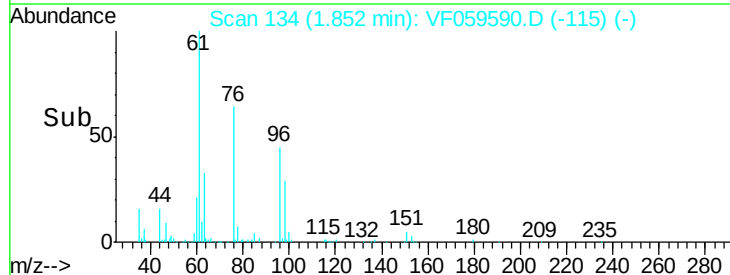
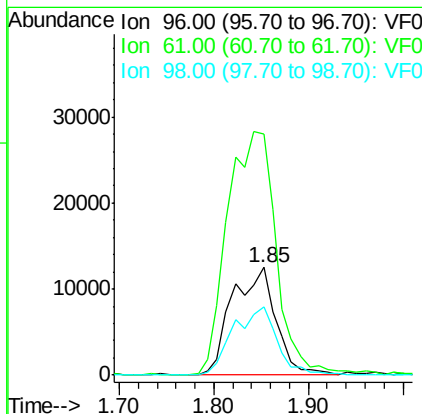
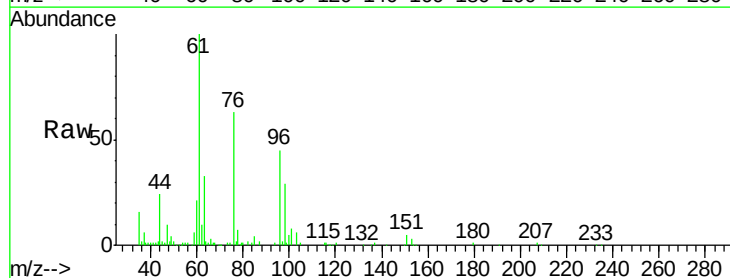
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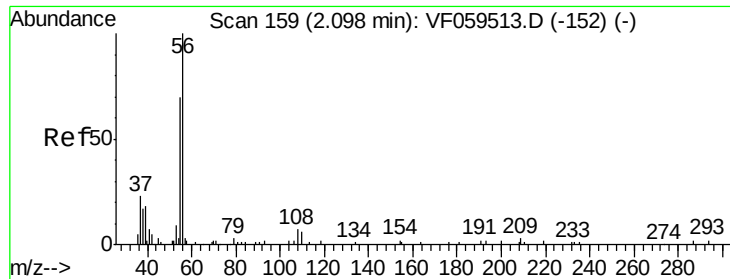


#12

1,1-Dichloroethene
Concen: 22.78 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	223.2	194.3	291.5
98	65.0	50.3	75.5





#13

Acrolein

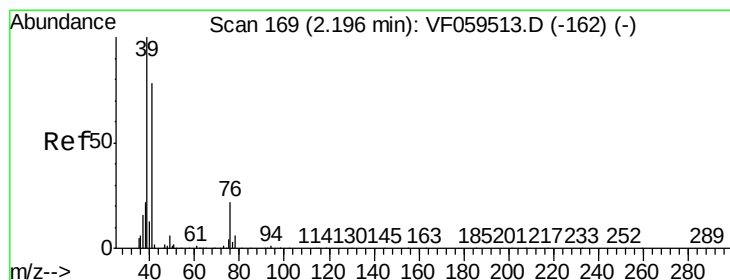
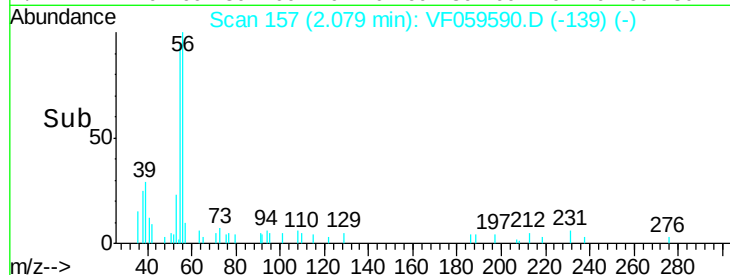
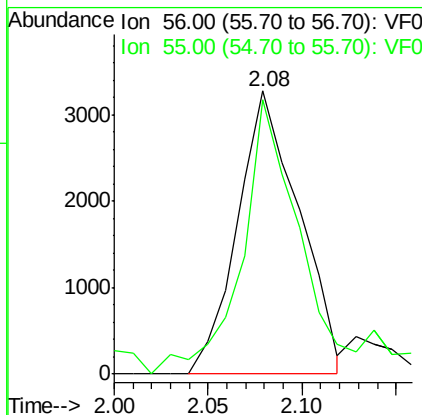
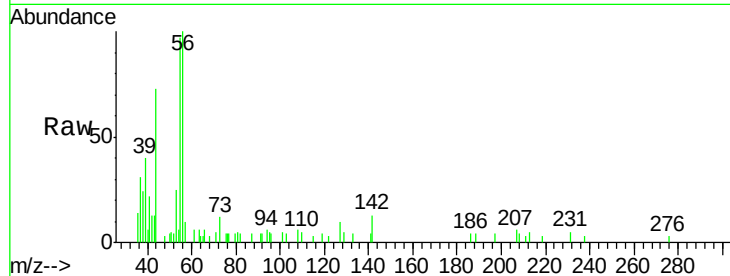
Concen: 77.08 ug/l m
 RT: 2.08 min Scan# 157
 Delta R.T. -0.02 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	56	Resp	7438
Ion Ratio	100	Lower	Upper
55	97.0	59.4	89.2#

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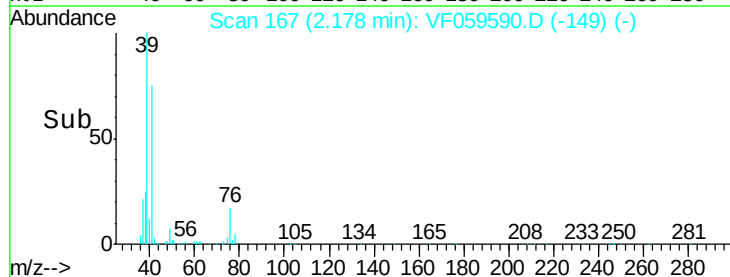
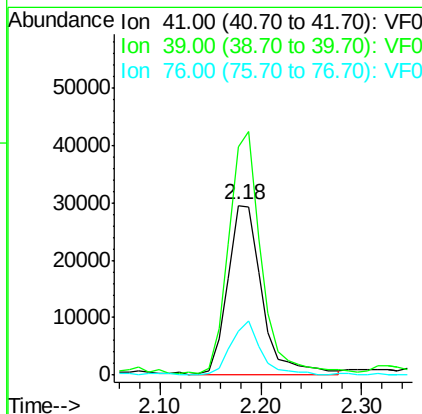
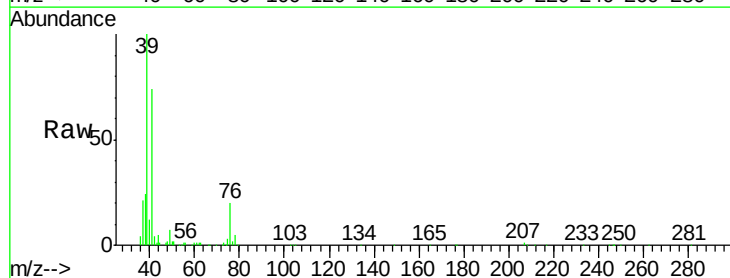


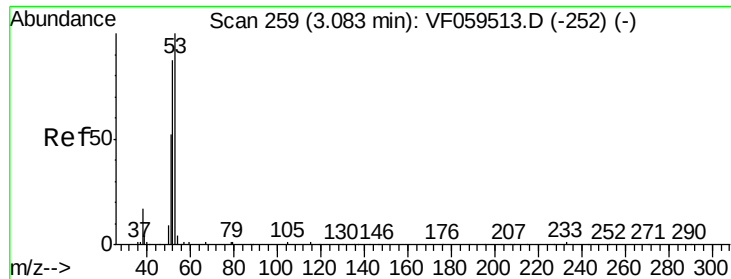
#14

Allyl chloride

Concen: 31.15 ug/l
 RT: 2.18 min Scan# 167
 Delta R.T. -0.02 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Tgt Ion	41	Resp	68875
Ion Ratio	100	Lower	Upper
39	134.2	103.0	154.4
76	26.2	22.6	34.0





#15

Acrylonitrile

Concen: 102.17 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

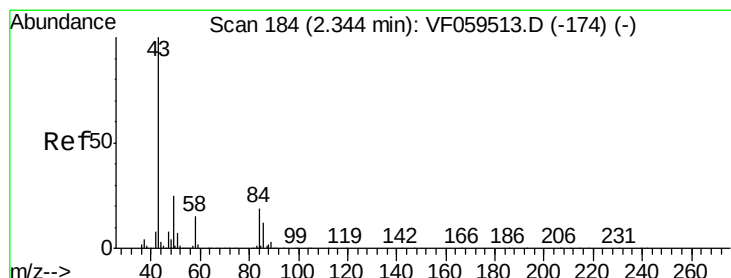
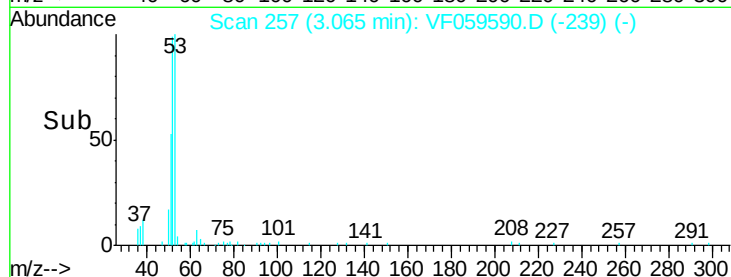
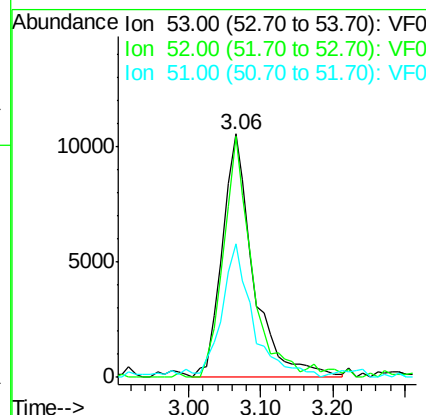
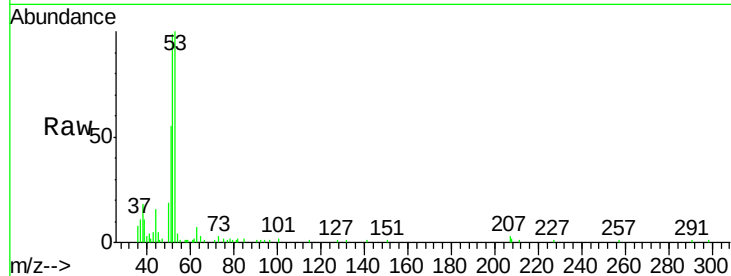
ClientSampleId :

VF0720SBS01

Tot Ion:	53	Resp:	31591
Ion Ratio	Lower	Upper	
53	100		
52	99.0	70.1	105.1
51	54.7	42.5	63.7

Manual Integrations
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#16

Acetone

Concen: 105.13 ug/l

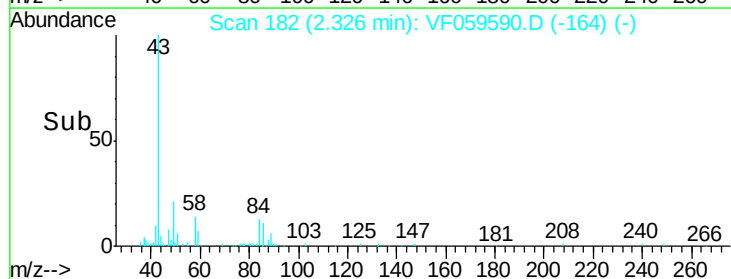
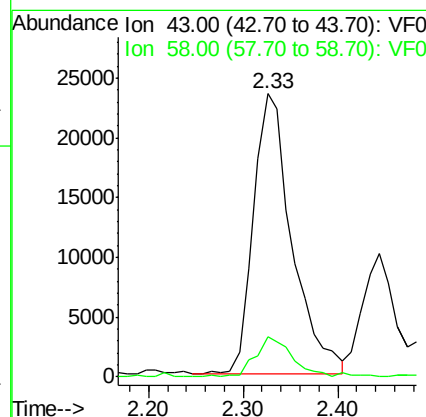
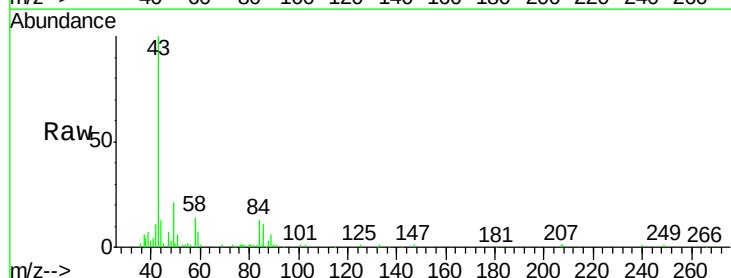
RT: 2.33 min Scan# 182

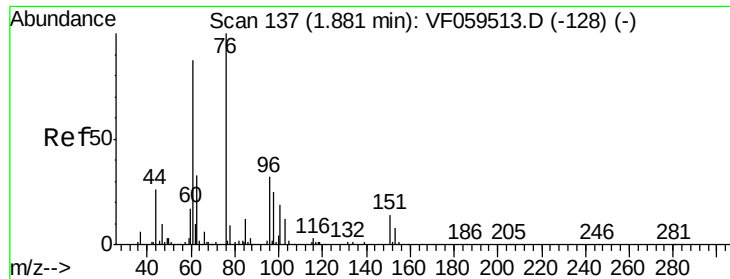
Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Tgt Ion:	43	Resp:	66662
Ion Ratio	Lower	Upper	
43	100		
58	14.1	11.8	17.6





#17

Carbon Disulfide

Concen: 23.31 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.05 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 76 Resp: 105810

Ion Ratio Lower Upper

76 100

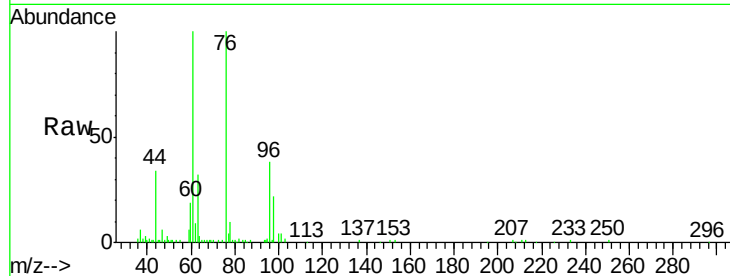
78 10.3 7.8 11.6

Manual Integrations

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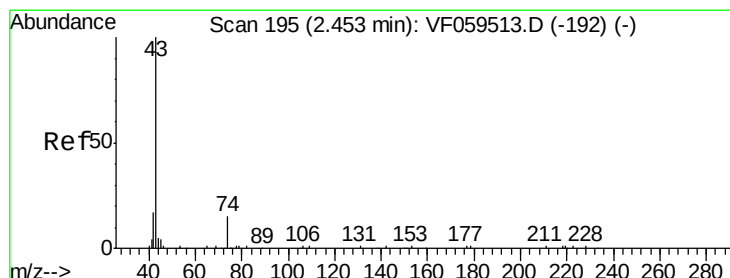
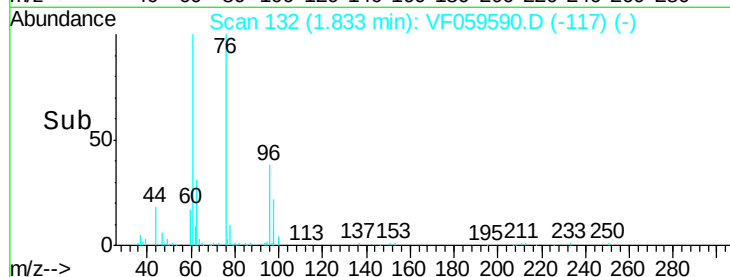
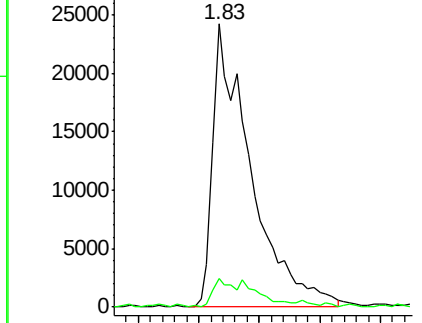
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 15.92 ug/l m

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059590.D

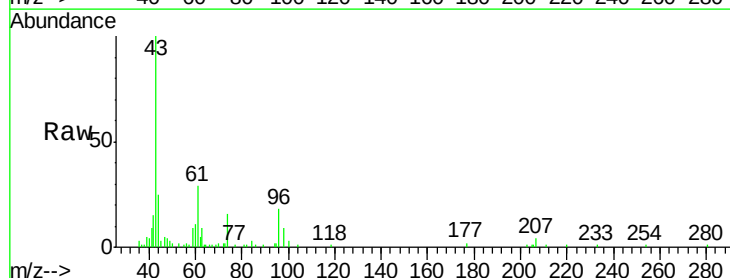
Acq: 20 Jul 2018 19:36

Tgt Ion: 43 Resp: 20243

Ion Ratio Lower Upper

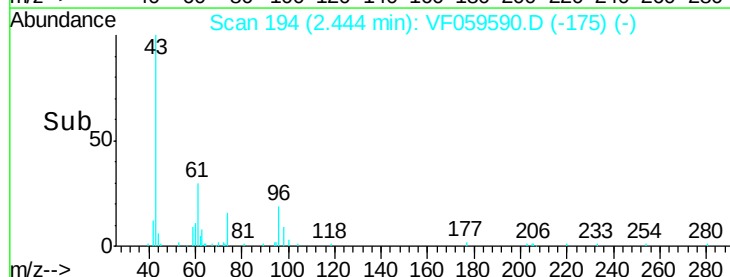
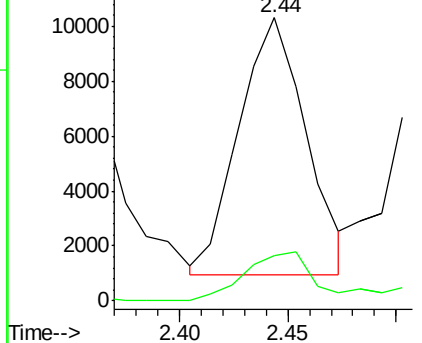
43 100

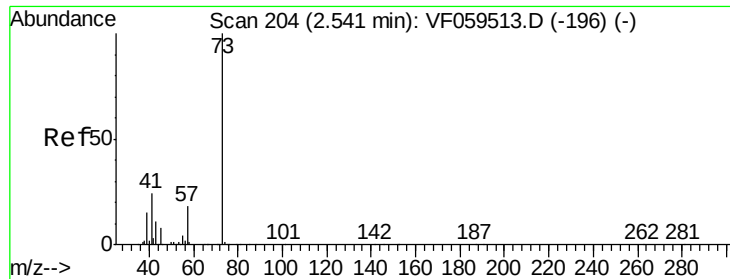
74 16.1 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





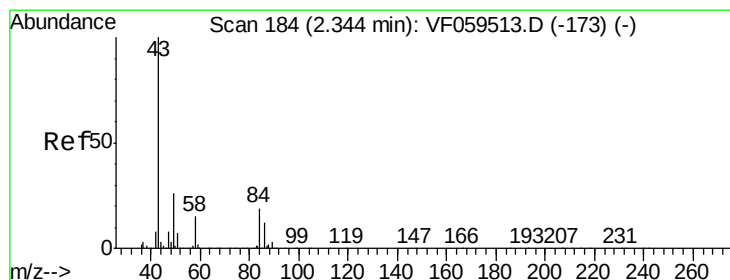
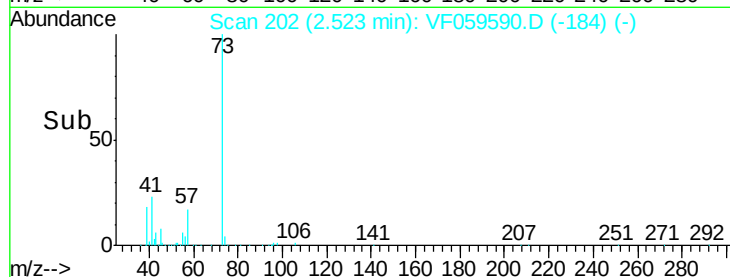
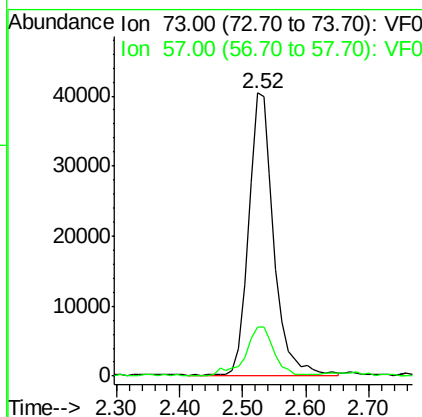
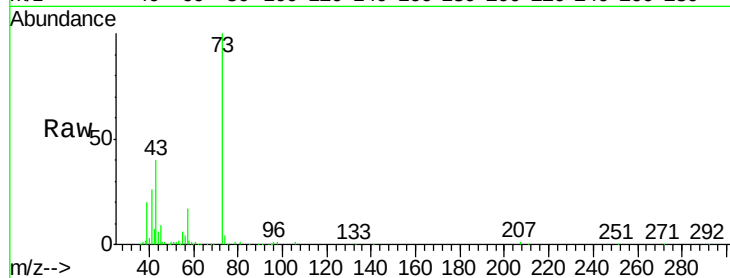
#19
Methyl tert-butyl Ether
Concen: 20.33 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.5	14.3	21.5

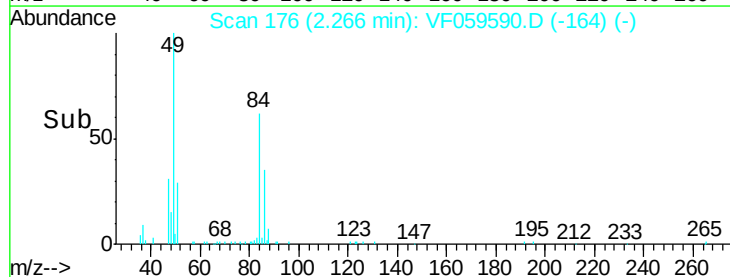
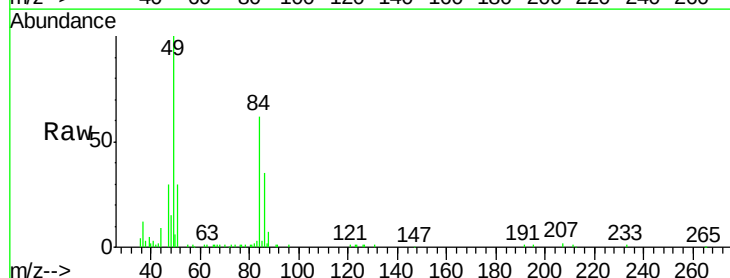
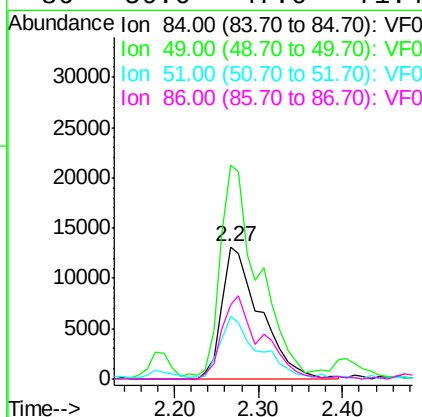
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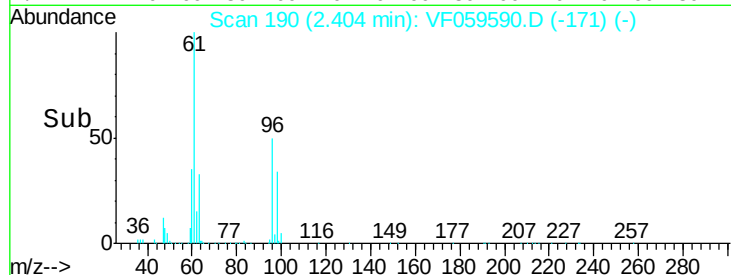
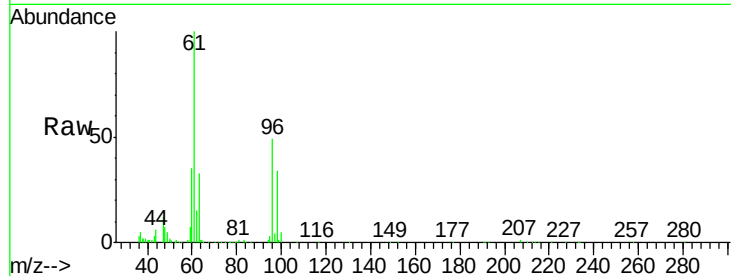
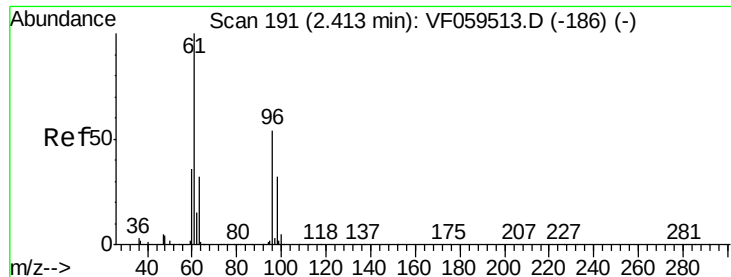
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#20
Methylene Chloride
Concen: 22.63 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.08 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	161.3	109.4	164.2
51	47.7	30.5	45.7#
86	56.6	47.6	71.4





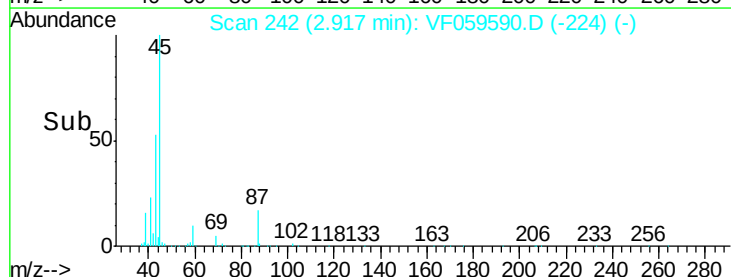
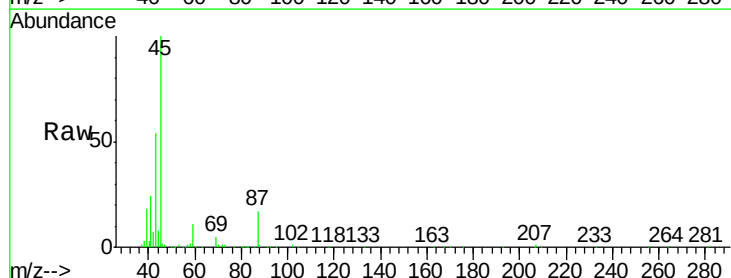
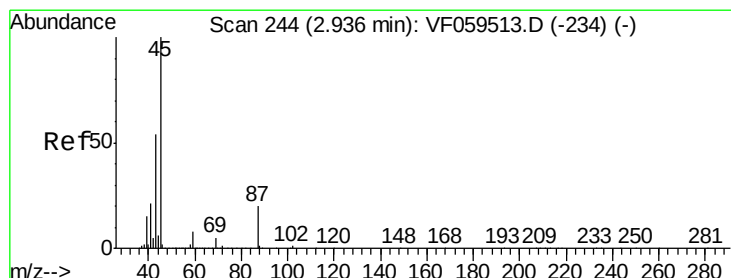
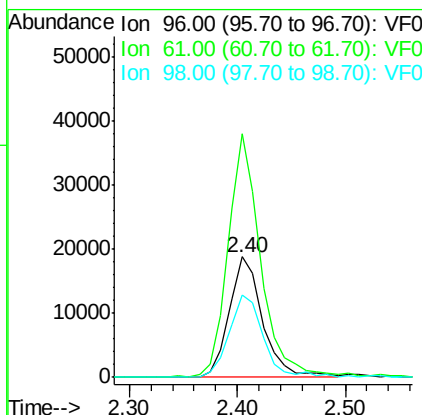
#21
trans-1,2-Dichloroethene
Concen: 24.72 ug/l
RT: 2.40 min Scan# 190
Delta R.T. -0.01 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tot Ion	Ratio	Lower	Upper
96	100		
61	202.2	149.8	224.8
98	68.8	47.8	71.8

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

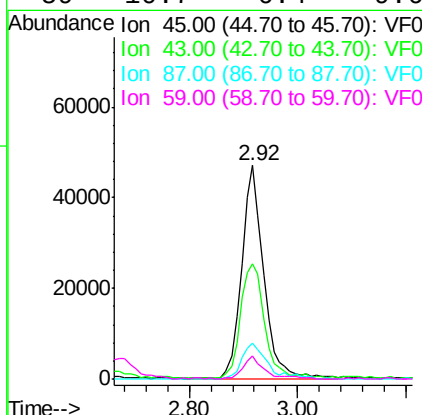
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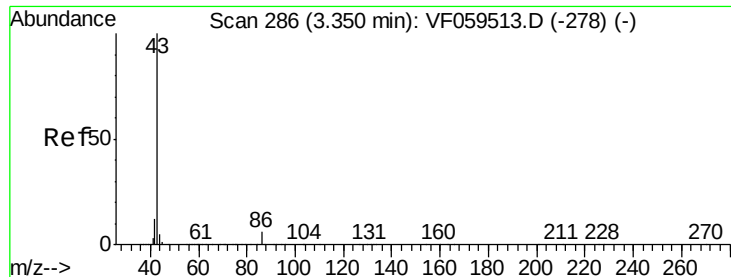
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#22
Diisopropyl ether
Concen: 21.57 ug/l
RT: 2.92 min Scan# 242
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.7	43.6	65.4
87	17.1	15.6	23.4
59	10.7	6.4	9.6





#23

Vinyl Acetate

Concen: 102.79 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.03 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 43 Resp: 373237

Ion Ratio Lower Upper

43 100

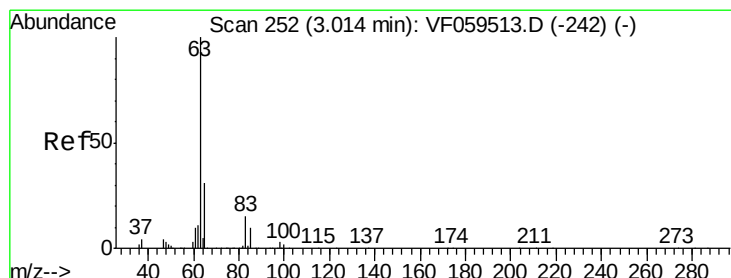
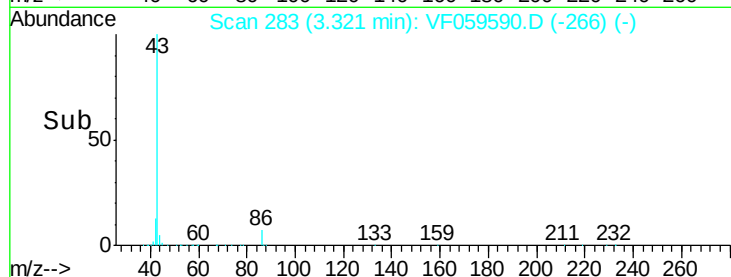
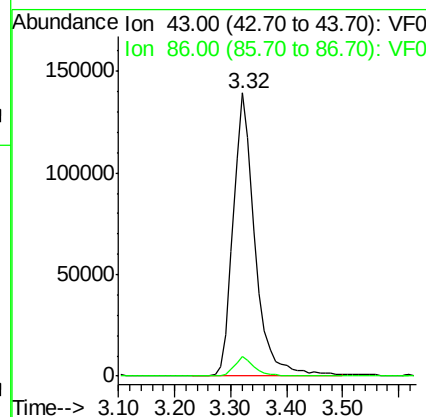
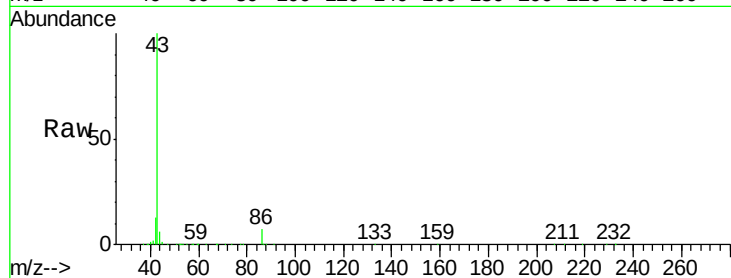
86 6.8 4.4 6.6#

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#24

1,1-Dichloroethane

Concen: 23.97 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

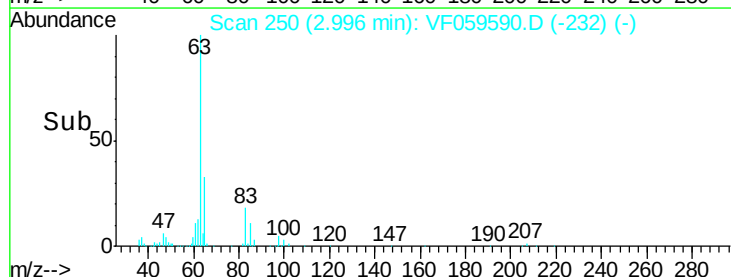
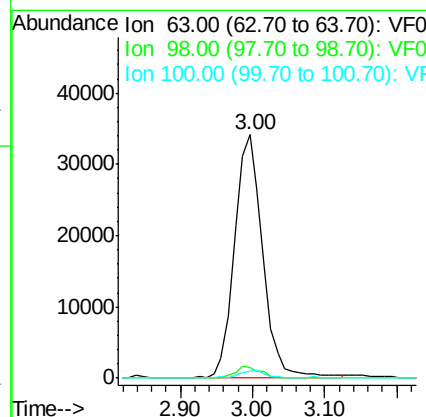
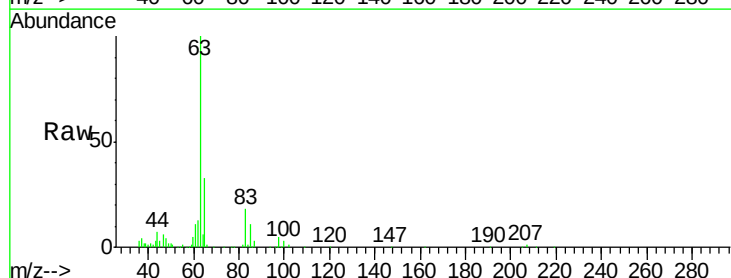
Tgt Ion: 63 Resp: 91971

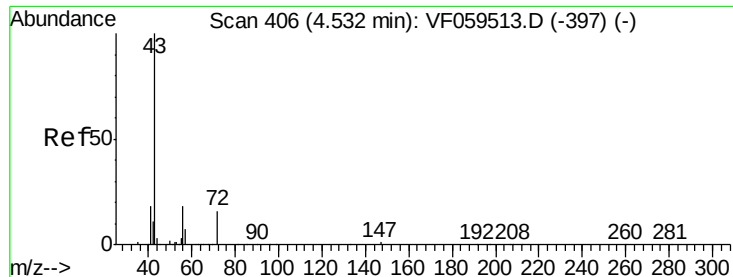
Ion Ratio Lower Upper

63 100

98 4.5 1.8 5.4

100 3.0 1.3 3.8





#25

2-Butanone

Concen: 96.54 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.04 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 43 Resp: 82601

Ion Ratio Lower Upper

43 100

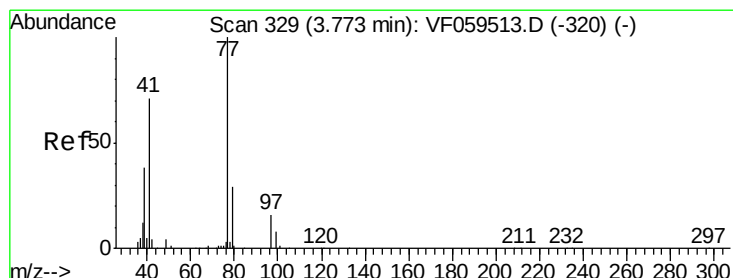
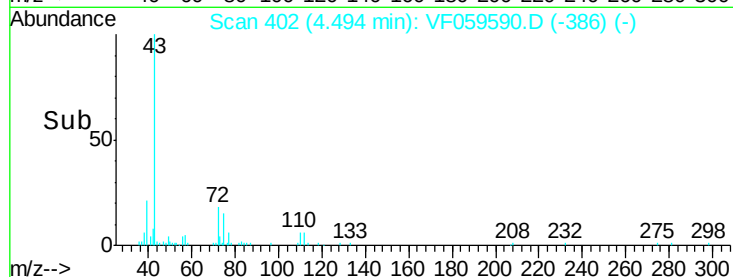
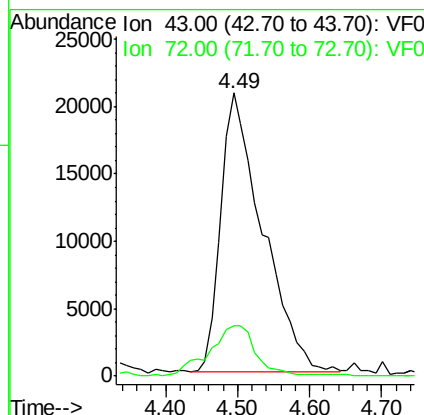
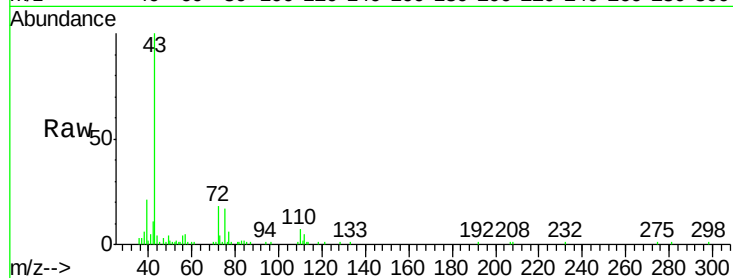
72 17.7 14.2 21.4

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#26

2,2-Dichloropropane

Concen: 29.80 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059590.D

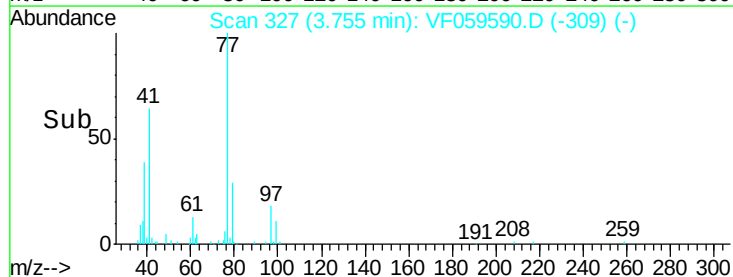
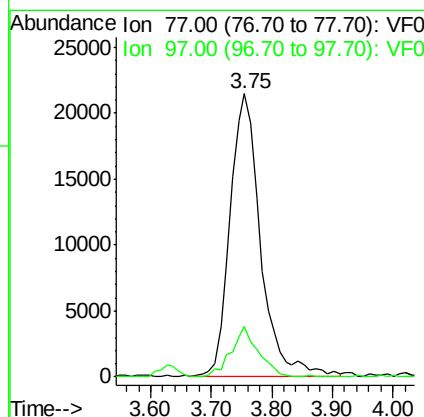
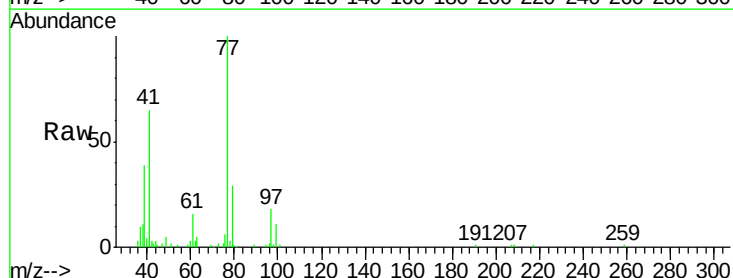
Acq: 20 Jul 2018 19:36

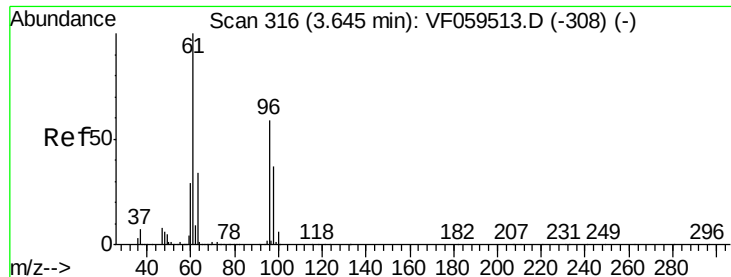
Tgt Ion: 77 Resp: 75659

Ion Ratio Lower Upper

77 100

97 17.6 8.1 24.3





#27

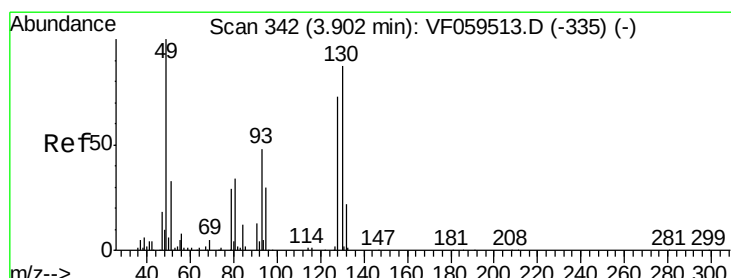
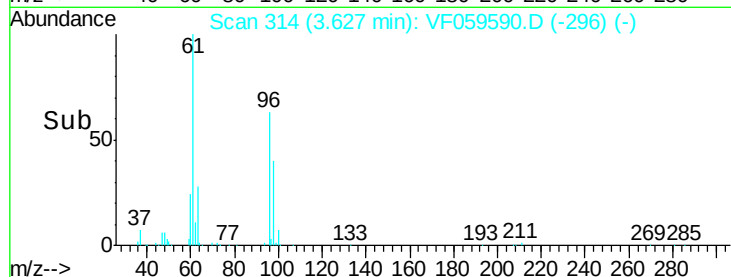
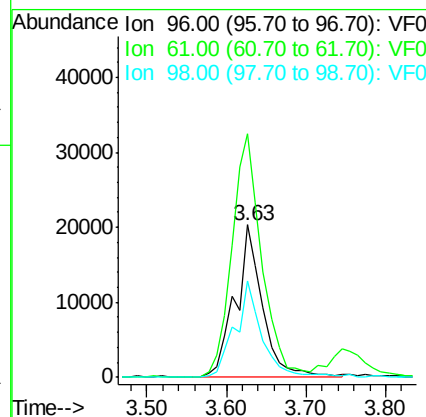
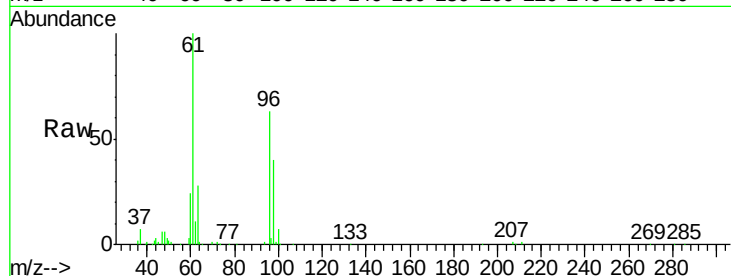
cis-1,2-Dichloroethene
Concen: 25.76 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.5	0.0	339.0
98	63.2	0.0	125.4

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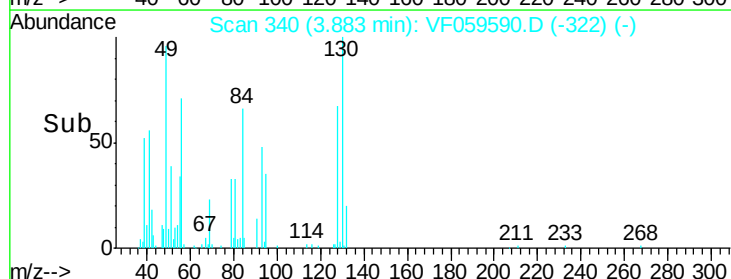
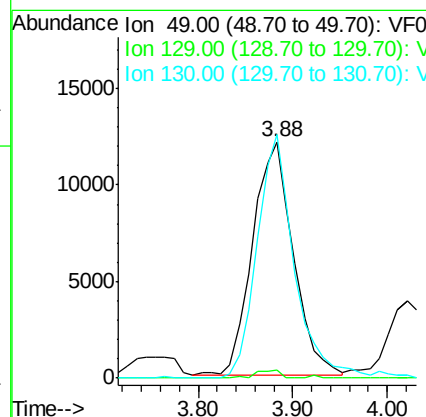
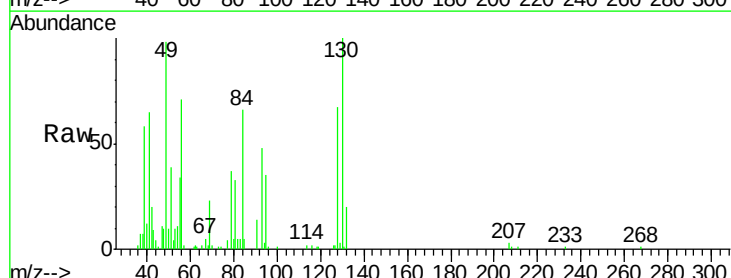
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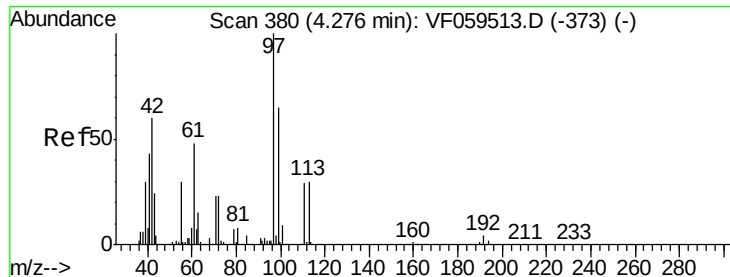


#28

Bromochloromethane
Concen: 21.28 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	0.0#
130	103.2	69.8	104.6





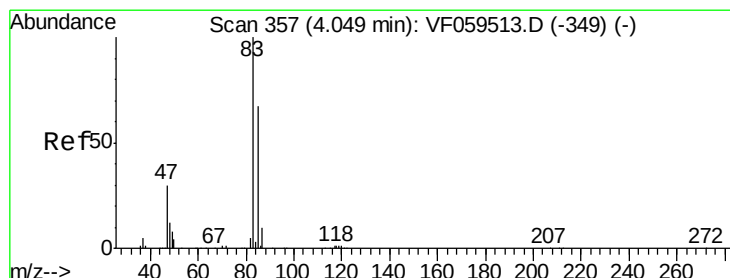
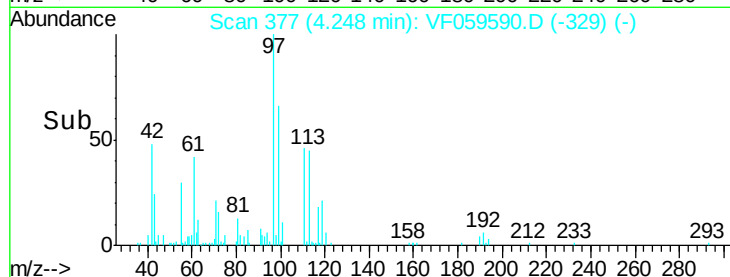
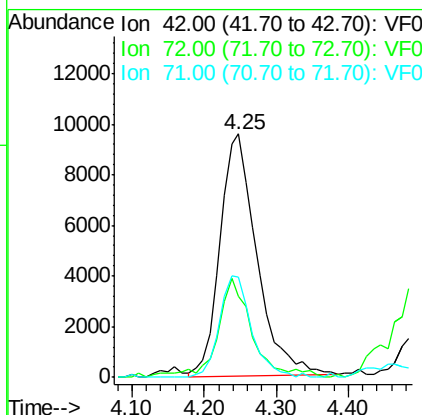
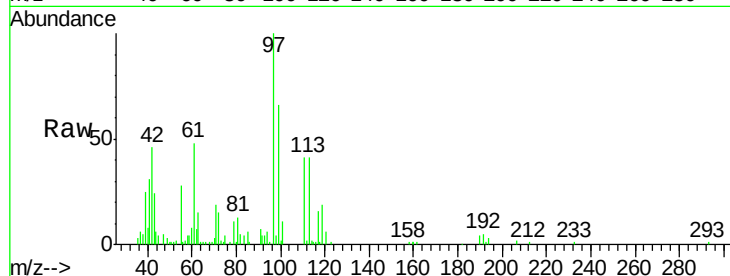
#29
Tetrahydrofuran
Concen: 82.54 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	28.7	43.1
71	36.4	30.8	46.2

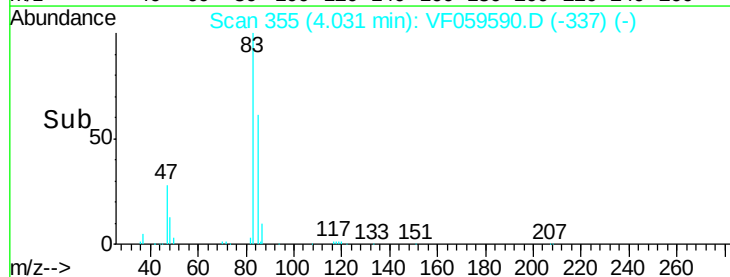
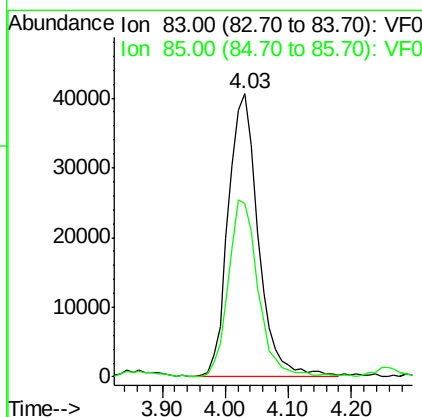
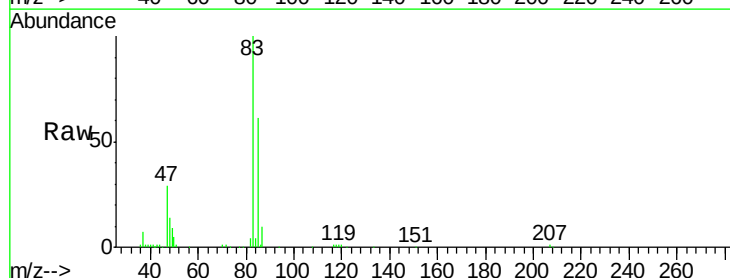
Manual Integrations
APPROVED

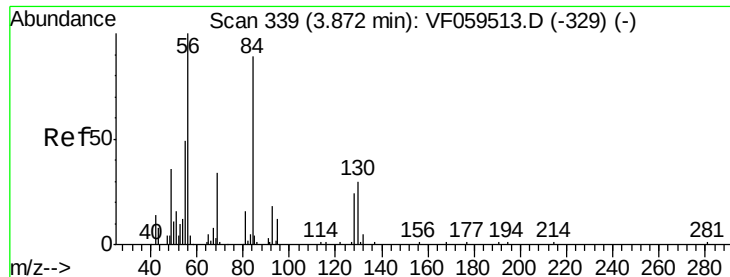
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#30
Chloroform
Concen: 23.85 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	53.2	79.8





#31

Cyclohexane

Concen: 28.26 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

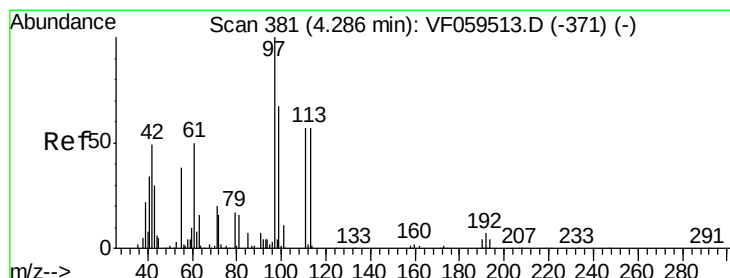
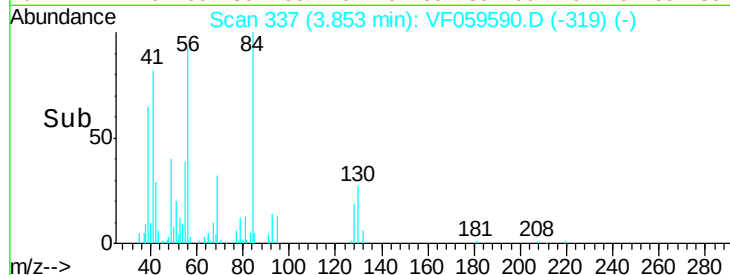
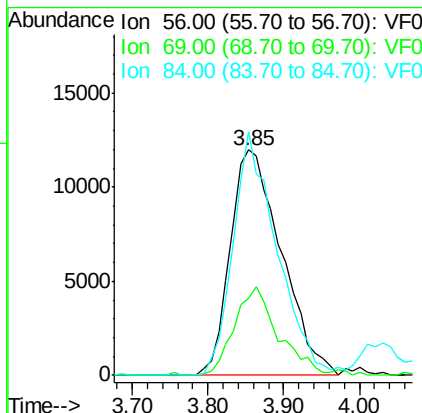
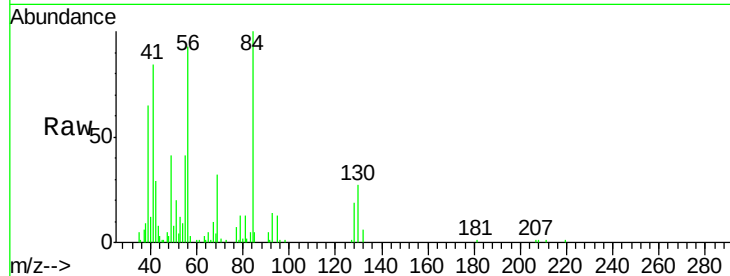
ClientSampleId :

VF0720SBS01

Tot Ion:	56	Resp:	56165
Ion Ratio	Lower	Upper	
56	100		
69	34.5	27.6	41.4
84	107.9	71.4	107.2#

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#32

1,1,1-Trichloroethane

Concen: 31.38 ug/l

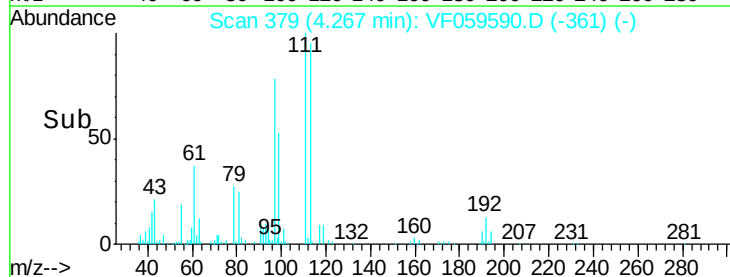
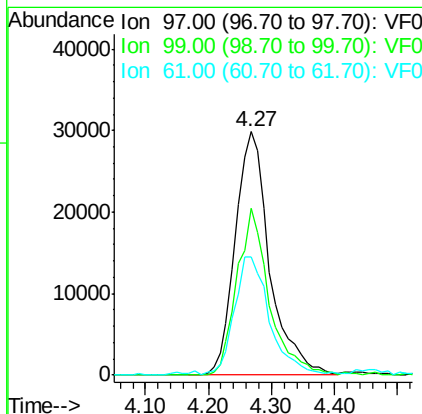
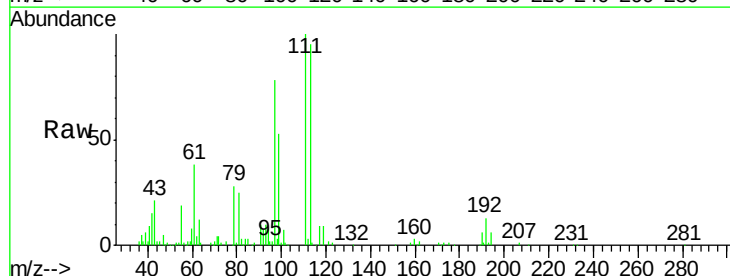
RT: 4.27 min Scan# 379

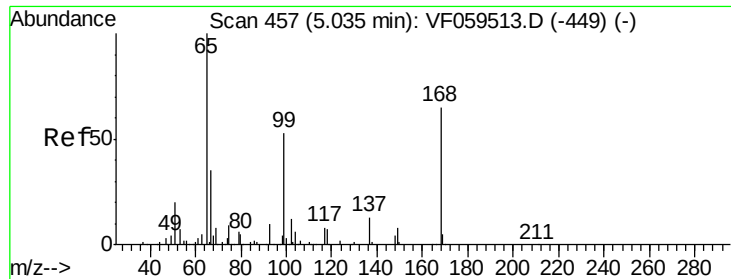
Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Tgt Ion:	97	Resp:	113032
Ion Ratio	Lower	Upper	
97	100		
99	68.6	53.5	80.3
61	48.3	39.7	59.5





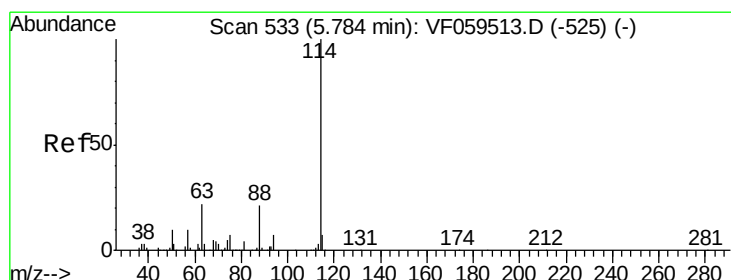
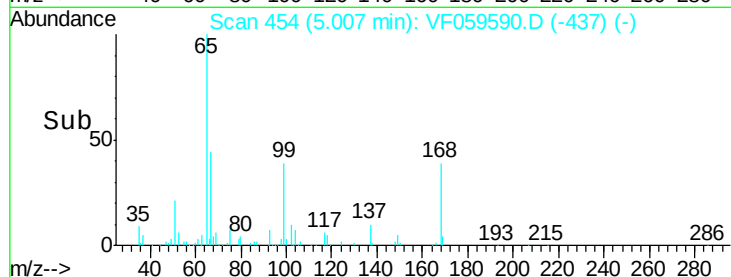
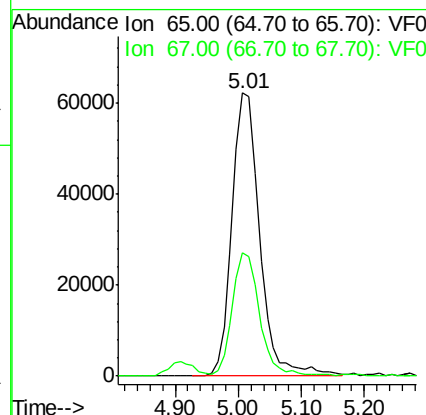
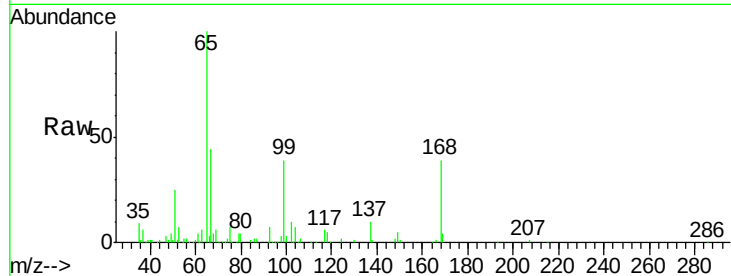
#33
 1,2-Dichloroethane-d4
 Concen: 51.32 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	189123		
67	43.7	0.0	91.2	

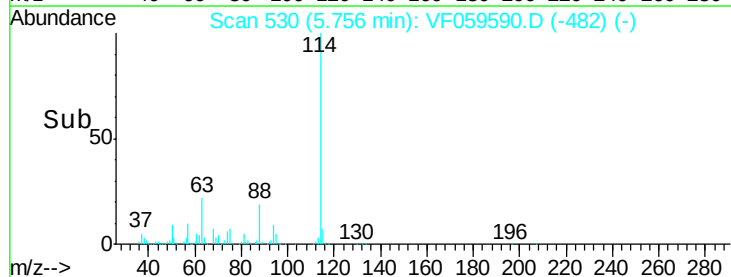
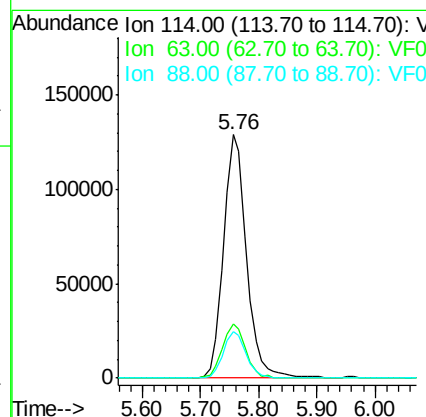
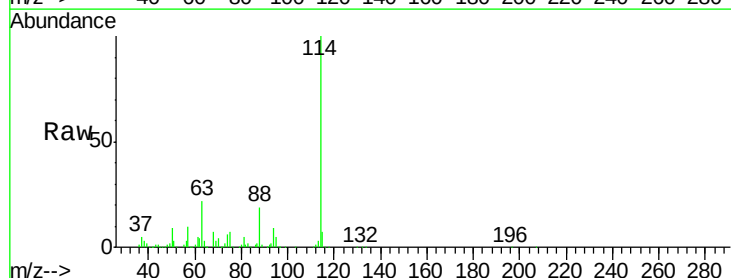
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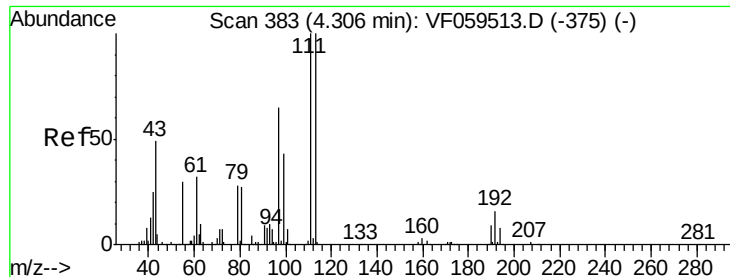
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353688		
63	22.1	0.0	44.8	
88	19.3	0.0	42.6	





#35

Dibromofluoromethane

Concen: 51.83 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

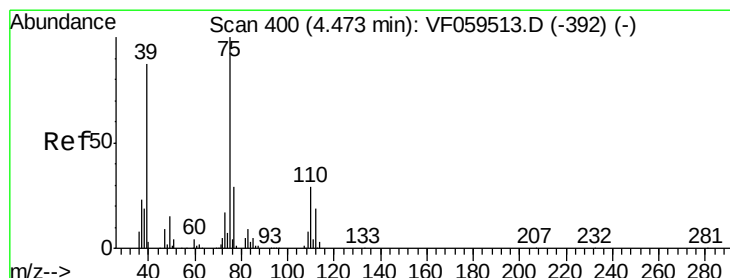
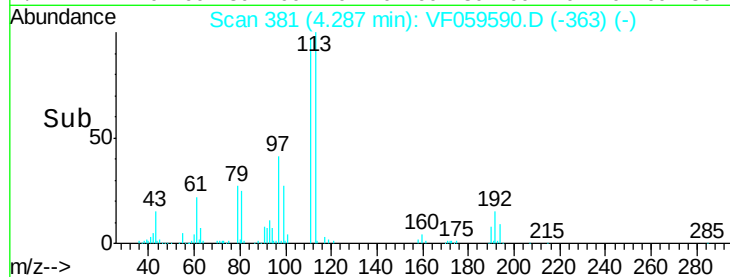
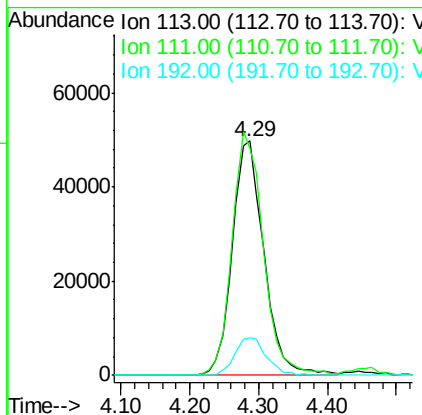
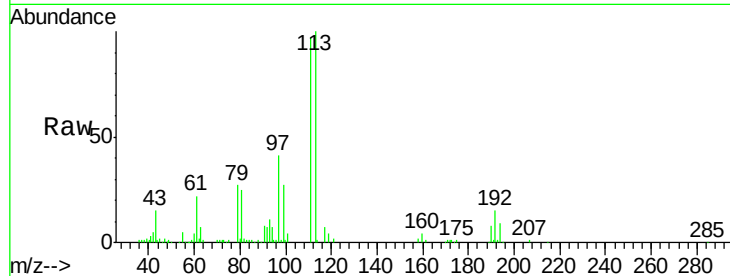
ClientSampleId :

VF0720SBS01

Tot Ion:	113	Resp:	158761
Ion Ratio	Lower	Upper	
113	100		
111	95.9	80.3	120.5
192	15.8	13.1	19.7

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#36

1,1-Dichloropropene

Concen: 23.56 ug/l

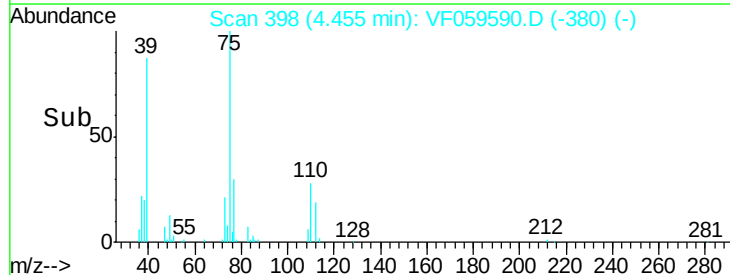
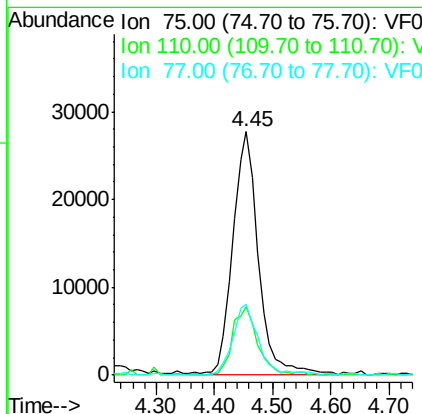
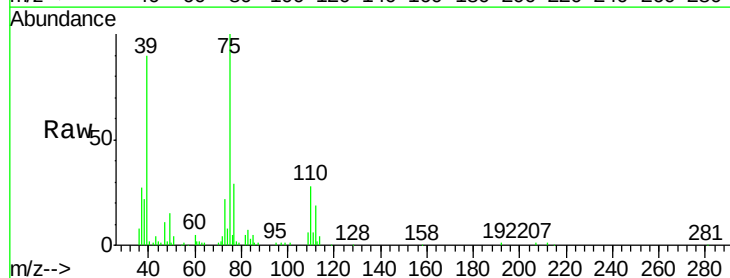
RT: 4.45 min Scan# 398

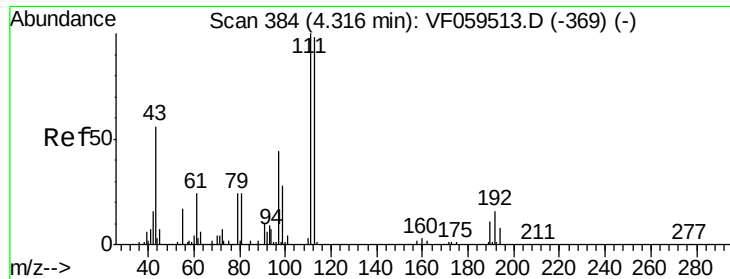
Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Tgt Ion:	75	Resp:	83408
Ion Ratio	Lower	Upper	
75	100		
110	27.8	14.6	43.8
77	29.2	23.7	35.5





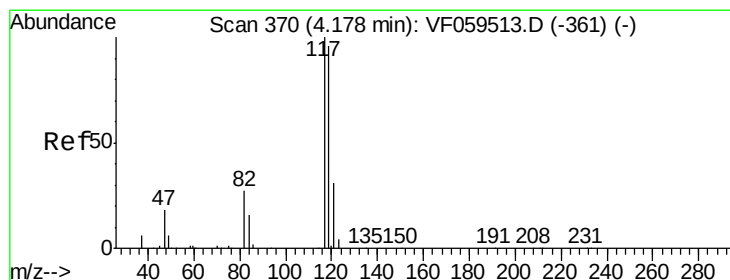
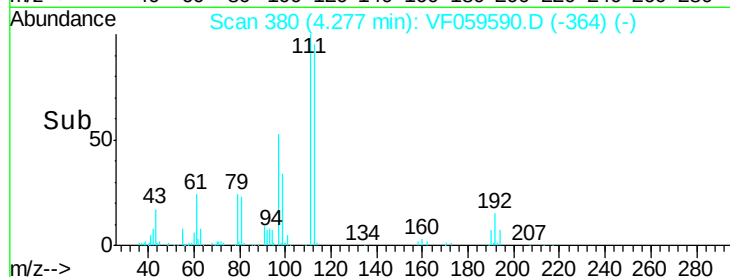
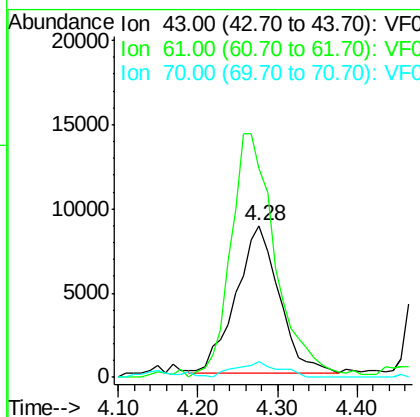
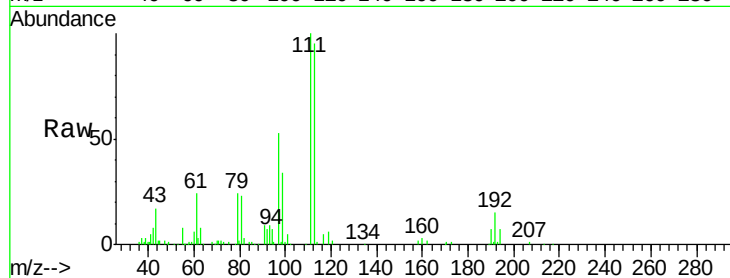
#37
Ethyl Acetate
Concen: 12.89 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.04 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	137.8	33.7	50.5#	
70	10.2	7.4	11.0	

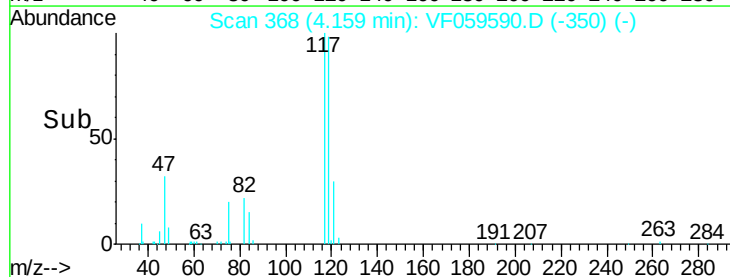
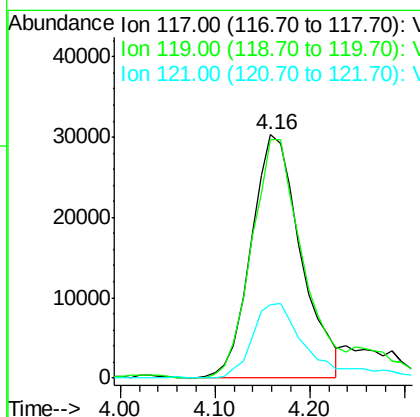
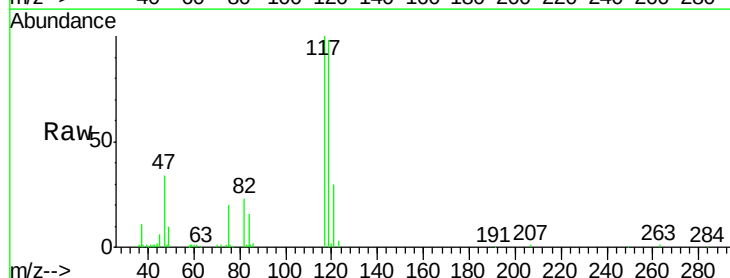
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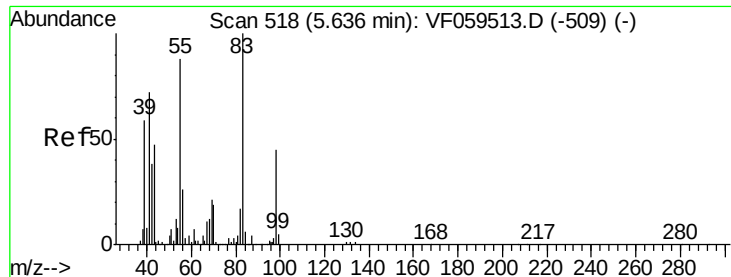
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#38
Carbon Tetrachloride
Concen: 27.28 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	98.0	77.6	116.4	
121	30.1	24.9	37.3	





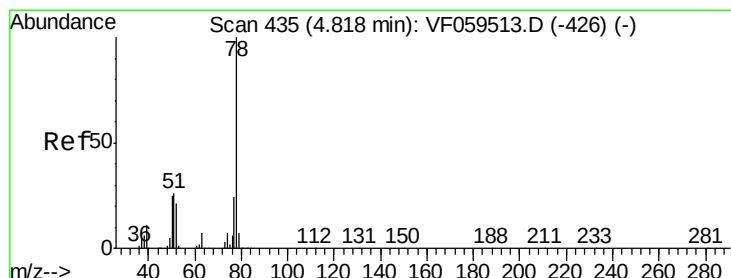
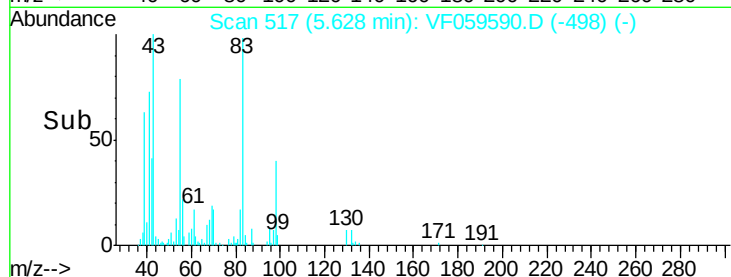
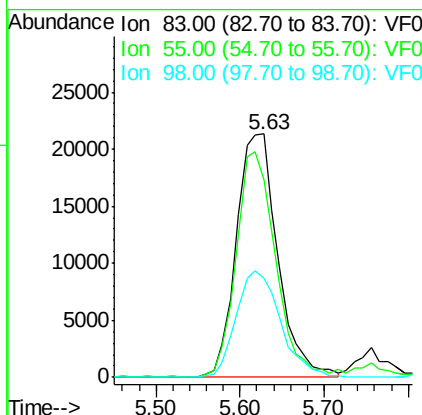
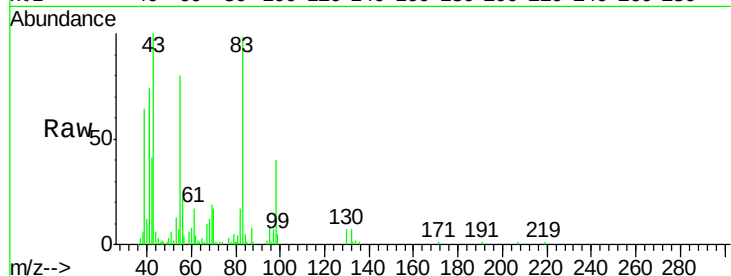
#39
Methylvlcyclohexane
Concen: 27.38 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	83	Resp	73561
Ion Ratio	Lower	Upper	
83	100		
55	81.3	70.2	105.4
98	40.9	36.2	54.2

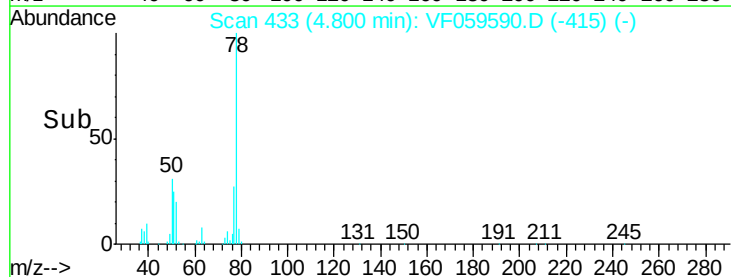
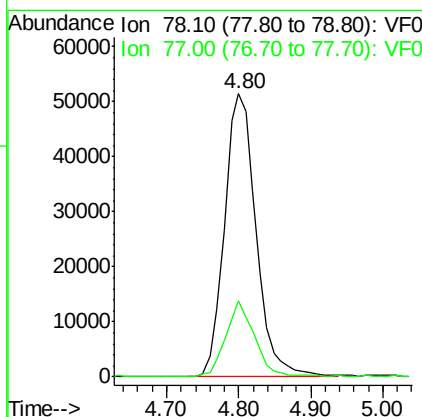
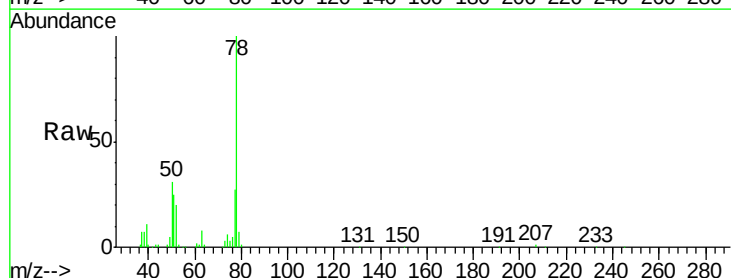
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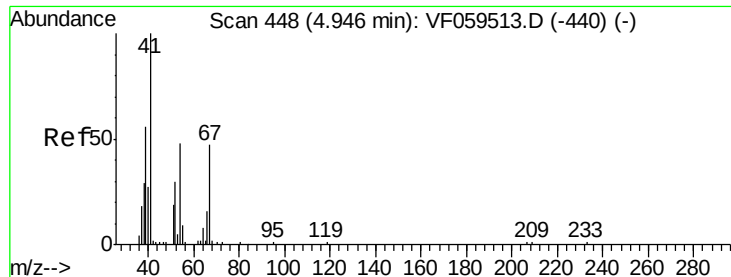
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#40
Benzene
Concen: 22.78 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	78	Resp	156478
Ion Ratio	Lower	Upper	
78	100		
77	27.0	19.4	29.0





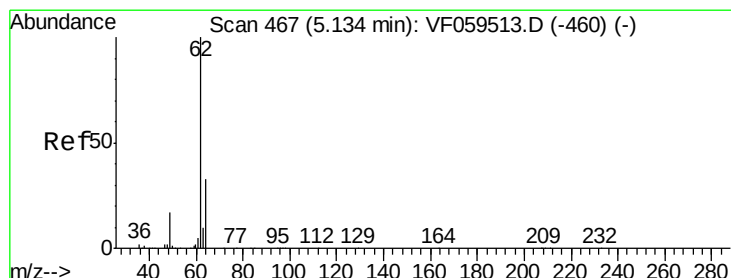
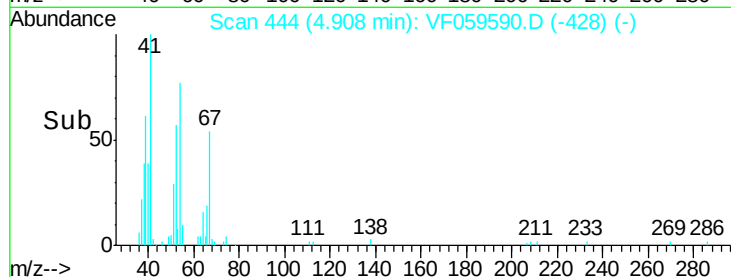
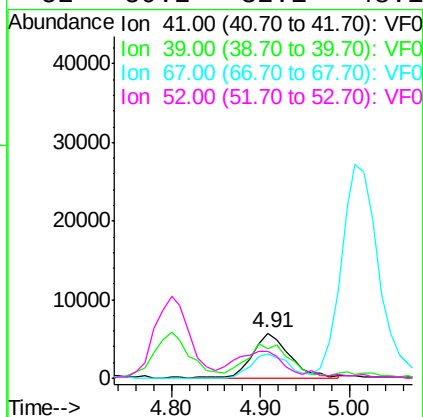
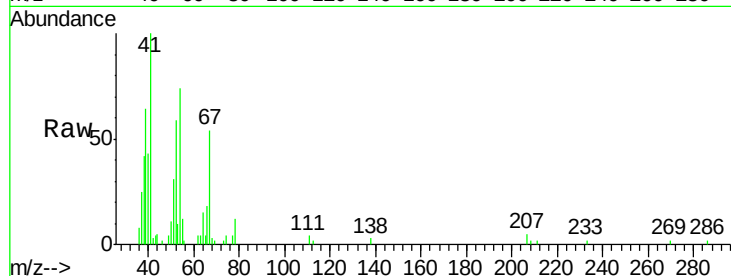
#41
Methacrylonitrile
Concen: 16.61 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.04 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.3	49.4	74.0
67	54.2	37.4	56.2
52	59.2	32.1	48.1

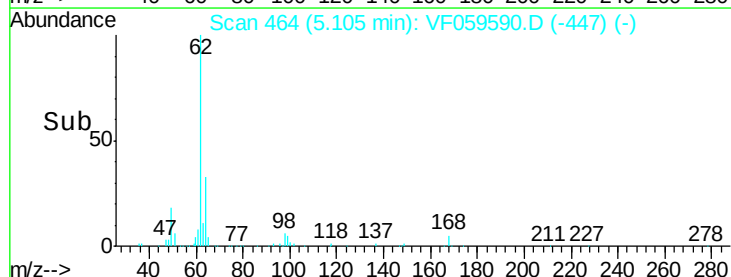
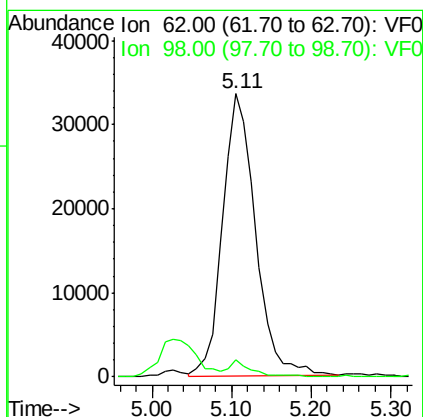
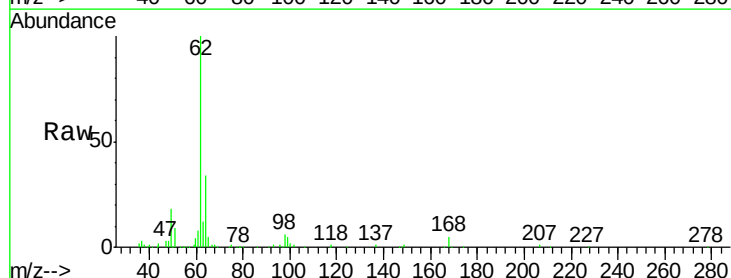
Manual Integrations
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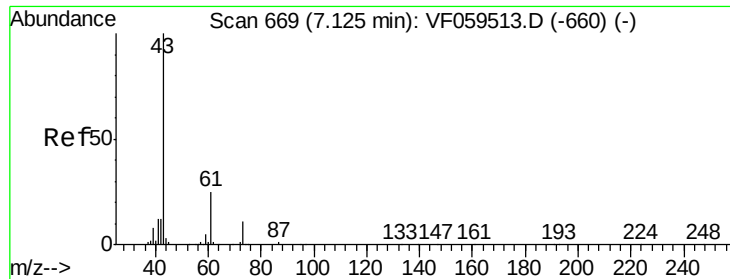
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#42
1,2-Dichloroethane
Concen: 21.55 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.03 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	9.6





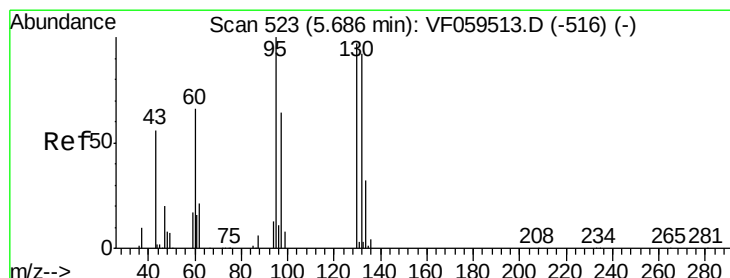
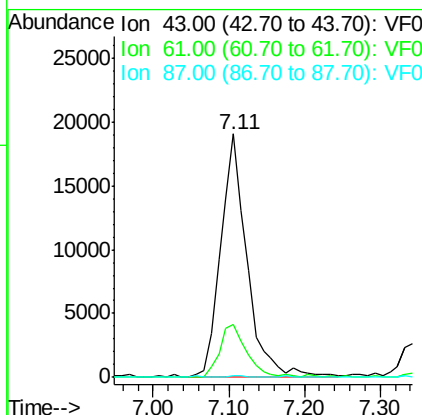
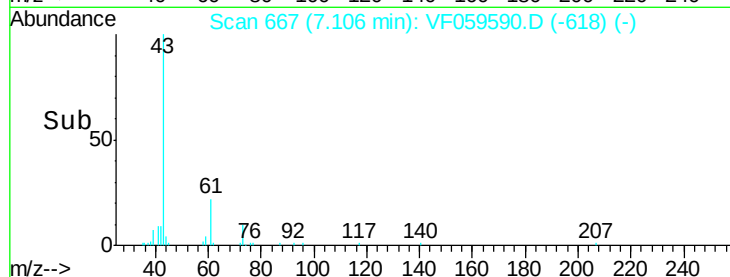
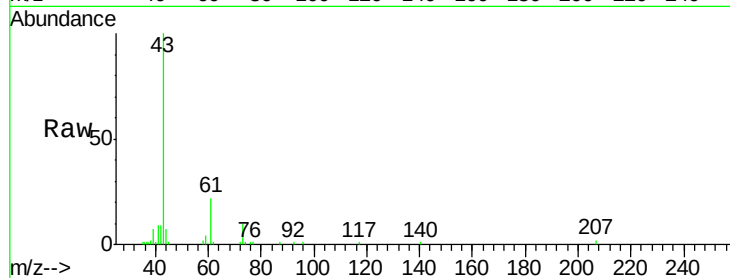
#43
Isopropyl Acetate
Concen: 18.13 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	20.3	30.5
87	0.6	0.4	0.6#

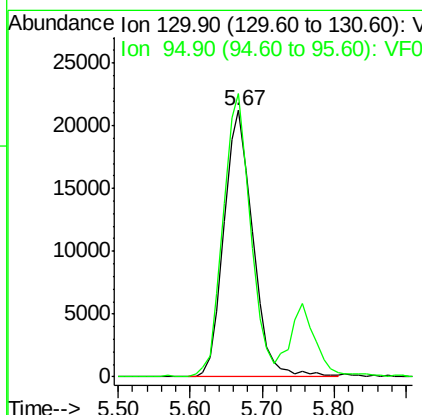
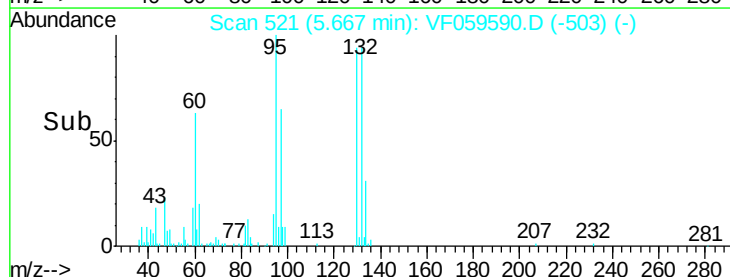
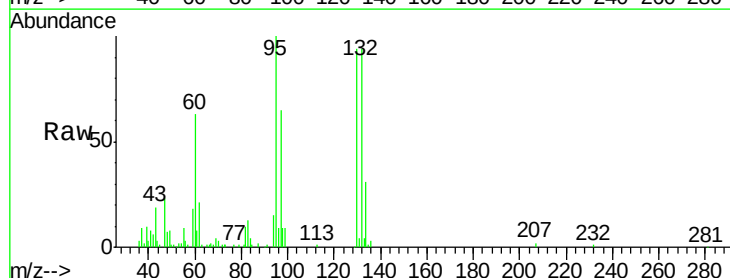
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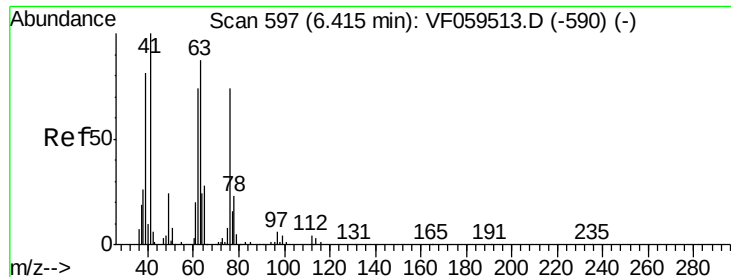
apatel
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#44
Trichloroethene
Concen: 23.33 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	206.6





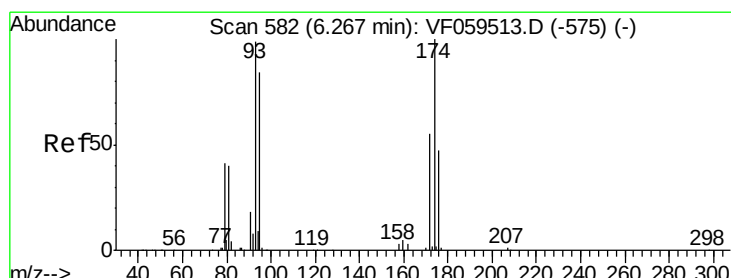
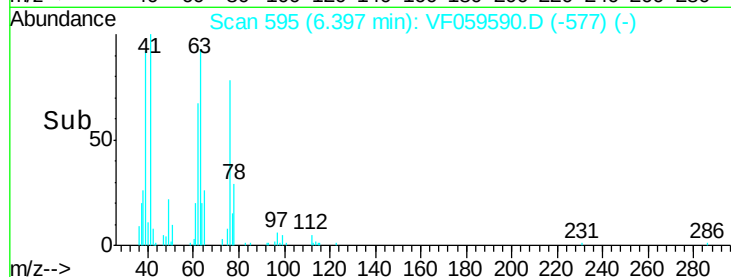
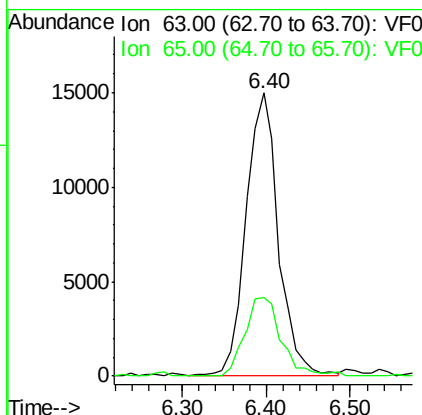
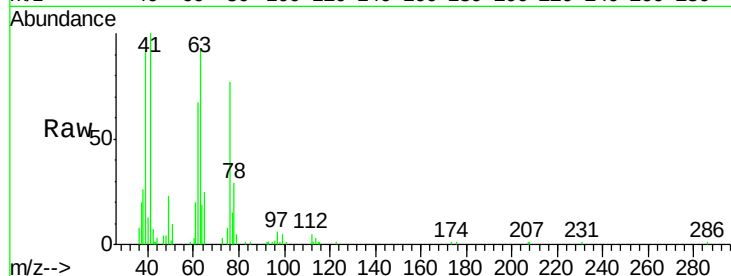
#45
 1,2-Dichloropropane
 Concen: 21.26 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.02 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.8	26.1	39.1

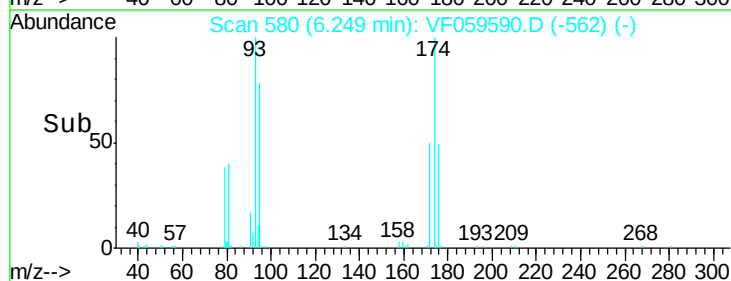
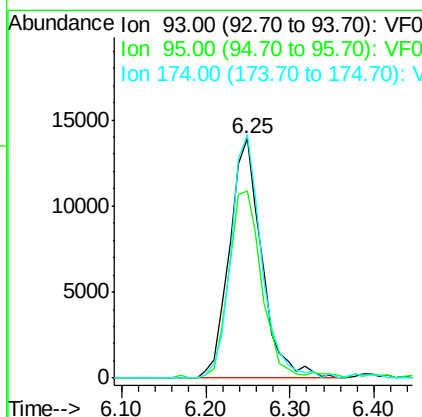
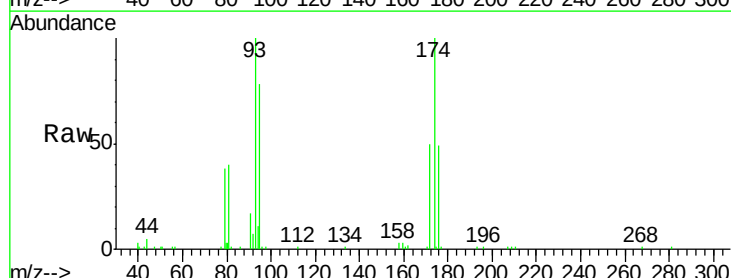
Manual Integrations
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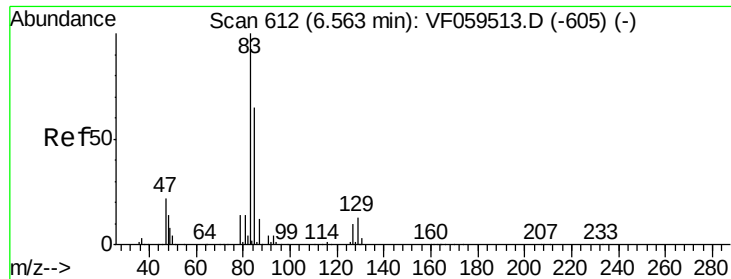
apatel
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#46
 Dibromomethane
 Concen: 21.41 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.02 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	78.4	68.3	102.5
174	101.8	81.2	121.8





#47

Bromodichloromethane

Concen: 21.17 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

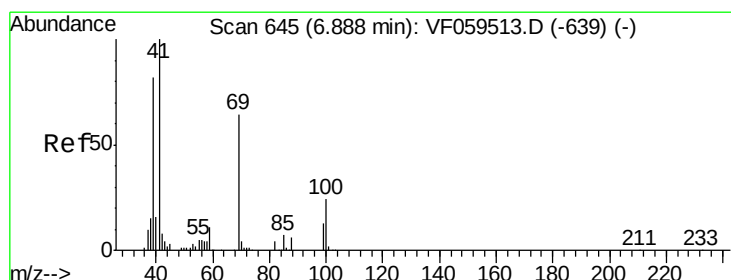
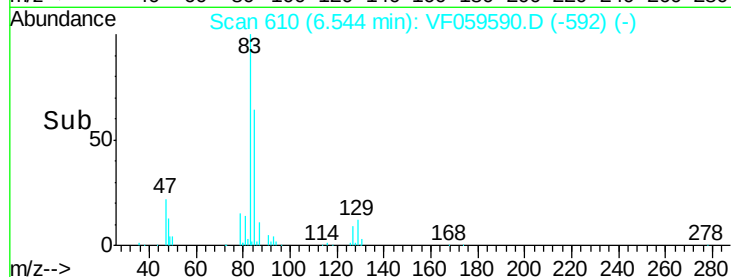
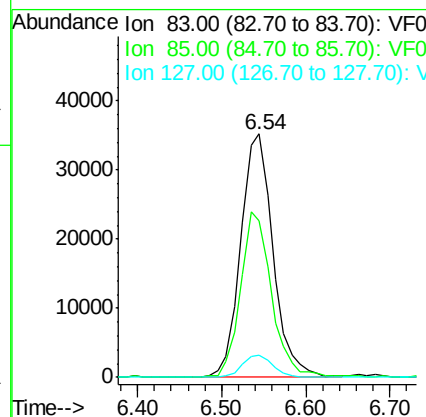
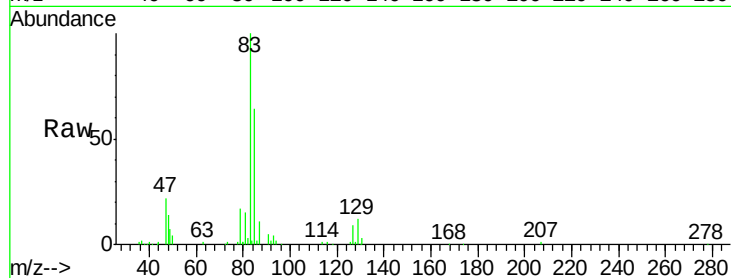
ClientSampleId :

VF0720SBS01

Tot Ion:	83	Resp:	94611
Ion Ratio	Lower	Upper	
83	100		
85	64.1	52.4	78.6
127	9.8	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.89 ug/l

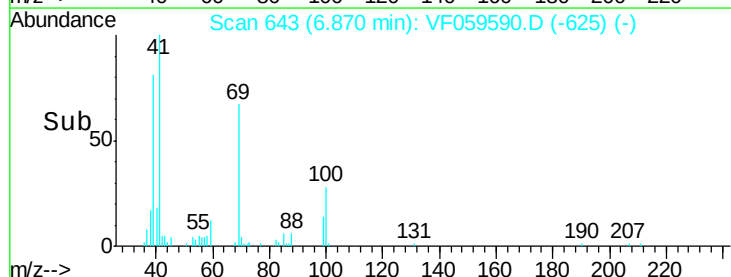
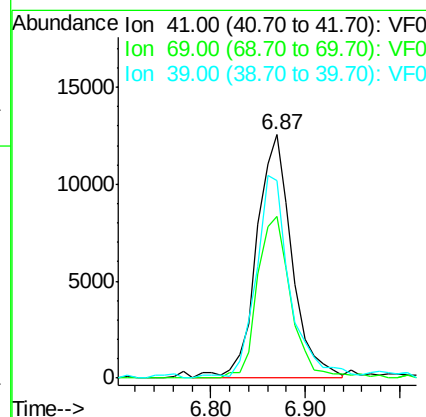
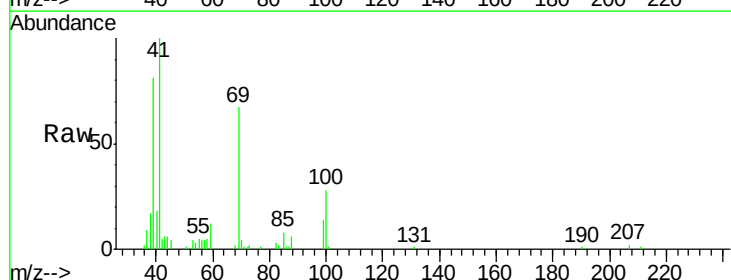
RT: 6.87 min Scan# 643

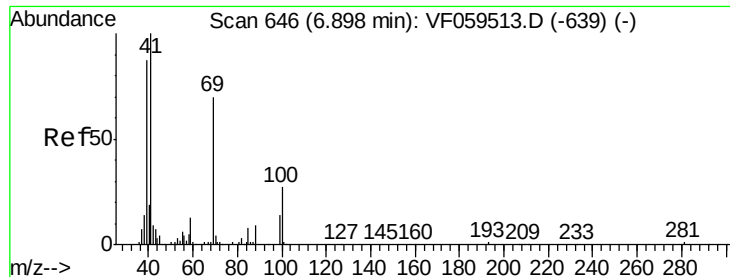
Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Tgt Ion:	41	Resp:	32511
Ion Ratio	Lower	Upper	
41	100		
69	66.7	51.3	76.9
39	81.3	65.3	97.9





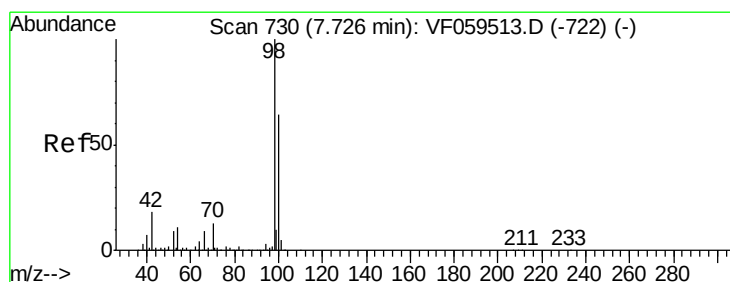
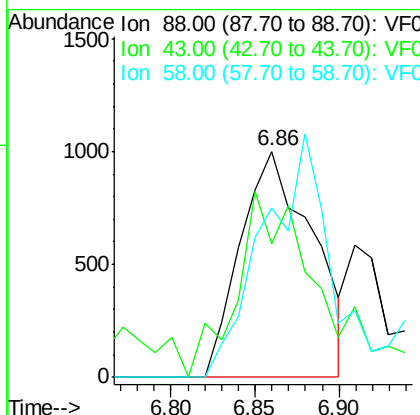
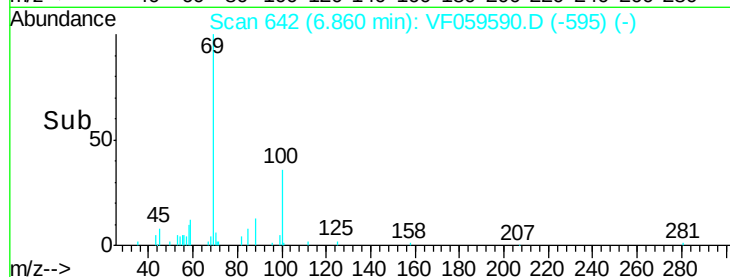
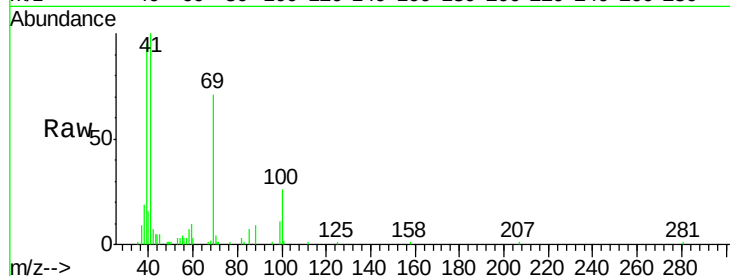
#49
1,4-Dioxane
Concen: 326.05 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.04 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	59.4	64.8	97.2#
58	75.2	44.1	66.1#

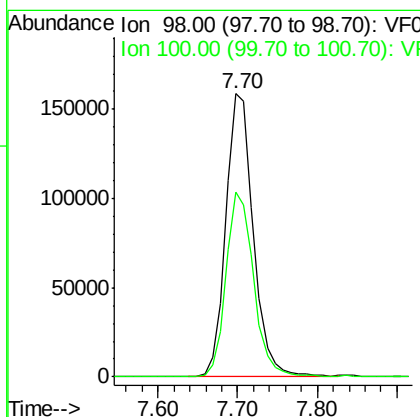
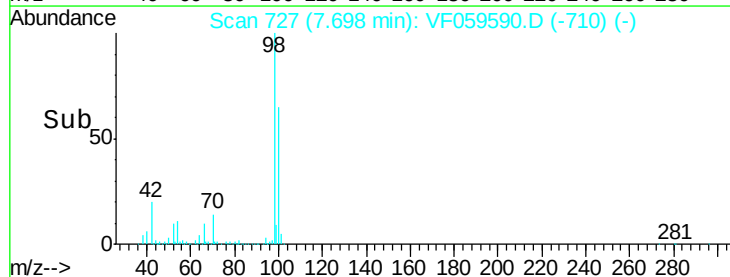
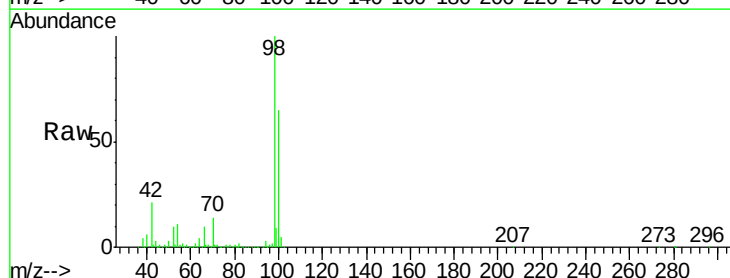
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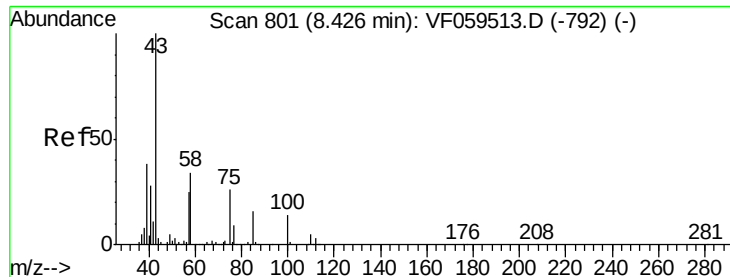
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#50
Toluene-d8
Concen: 50.03 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 89.13 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 43 Resp: 160727

Ion Ratio Lower Upper

43 100

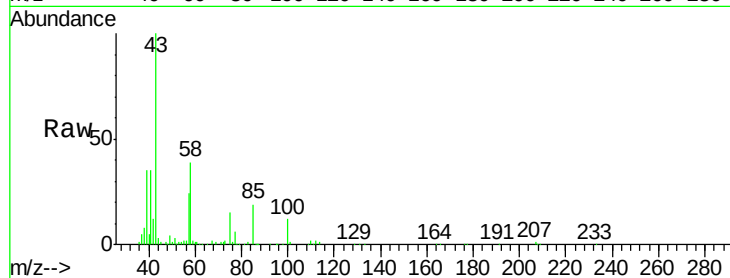
58 38.9 27.4 41.2

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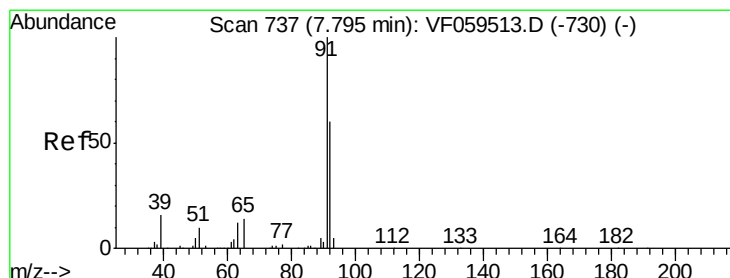
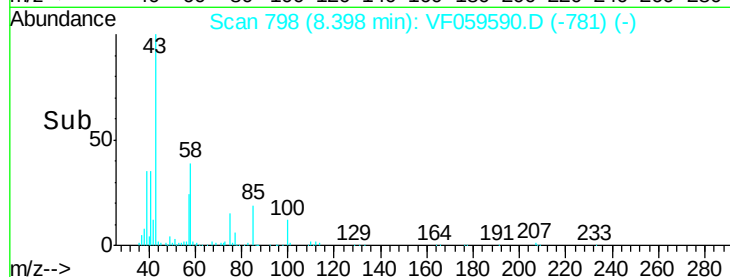
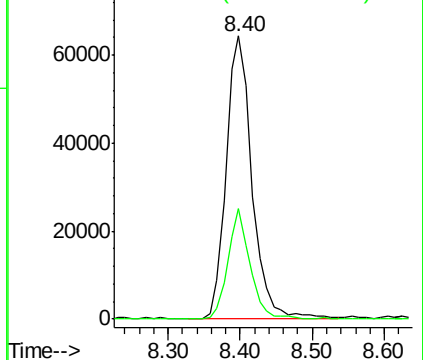
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.34 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059590.D

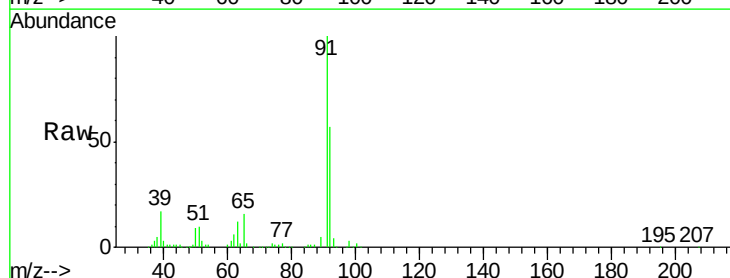
Acq: 20 Jul 2018 19:36

Tgt Ion: 92 Resp: 111254

Ion Ratio Lower Upper

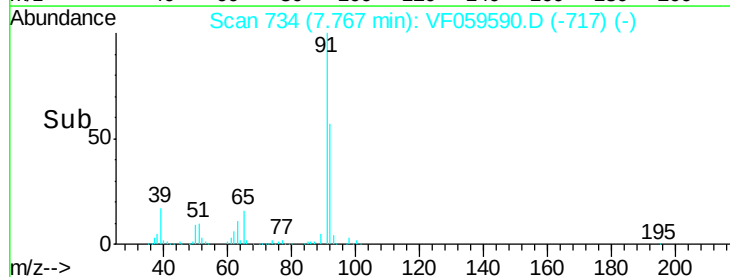
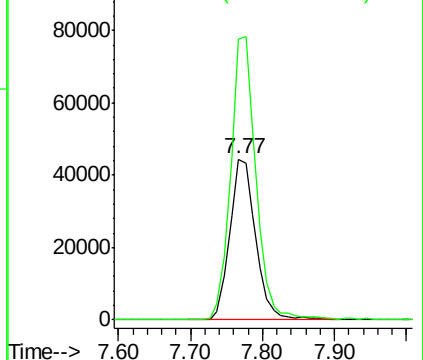
92 100

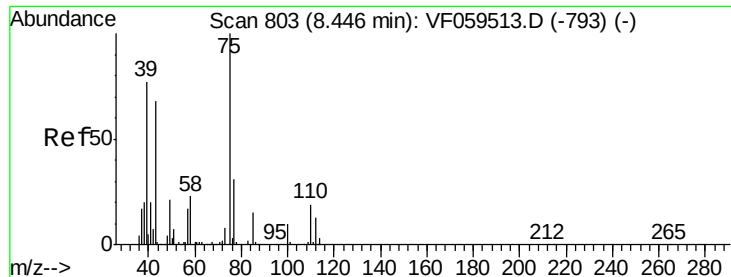
91 174.6 134.2 201.4



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: 19.33 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 75 Resp: 79464

Ion Ratio Lower Upper

75 100

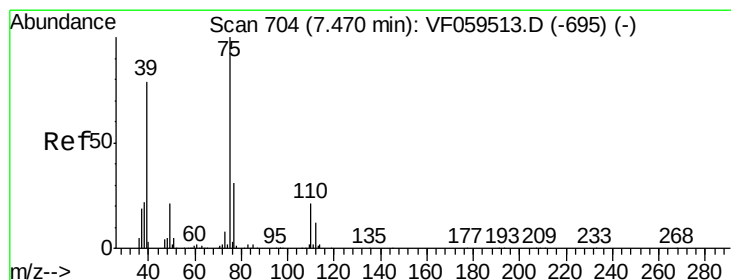
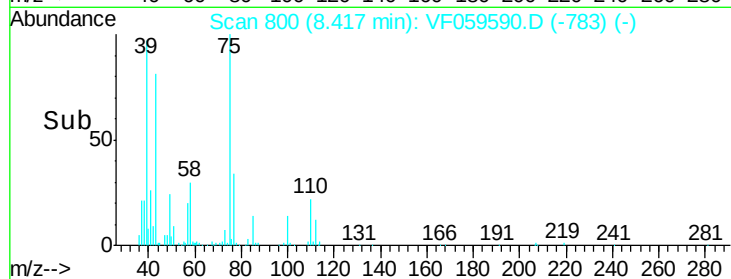
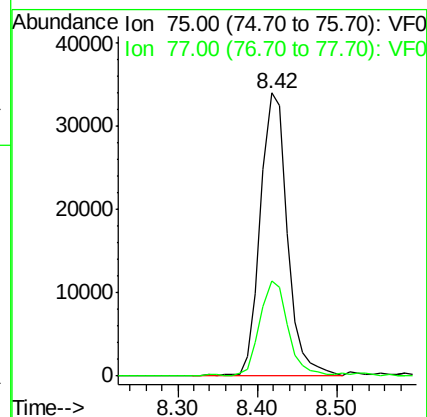
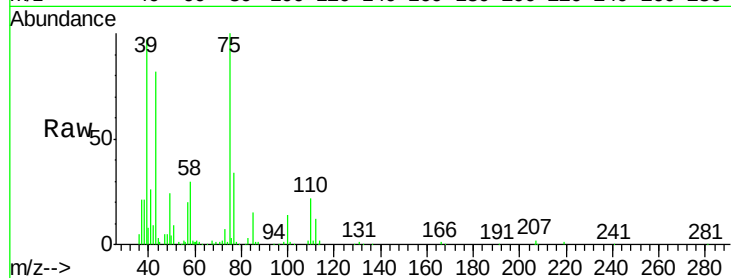
77 33.6 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 21.66 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

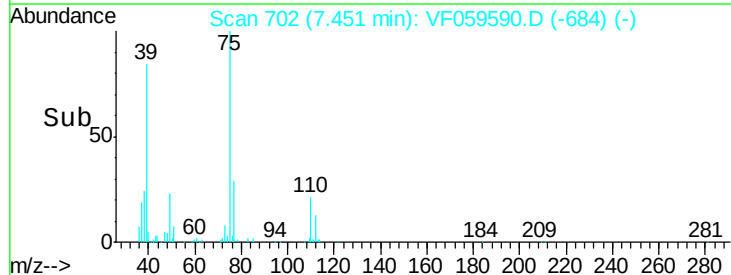
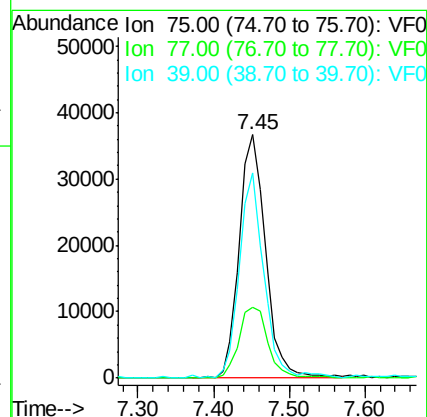
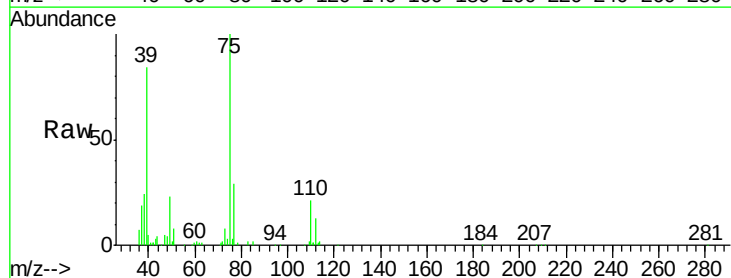
Tgt Ion: 75 Resp: 88644

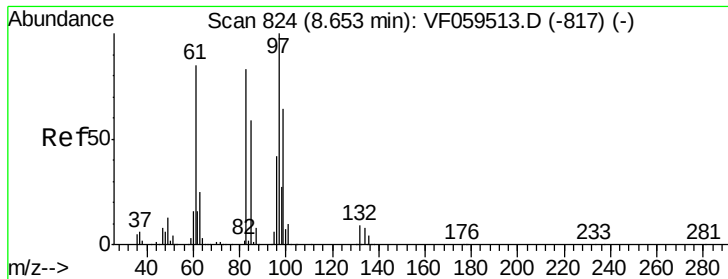
Ion Ratio Lower Upper

75 100

77 29.3 25.0 37.6

39 84.4 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 20.67 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

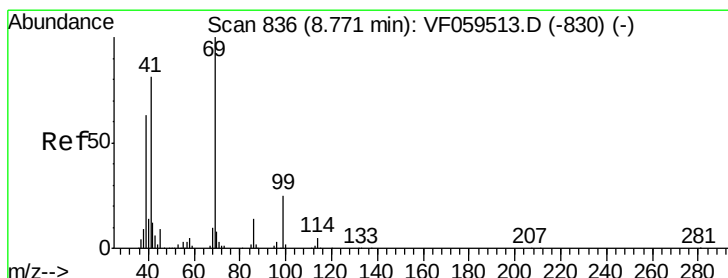
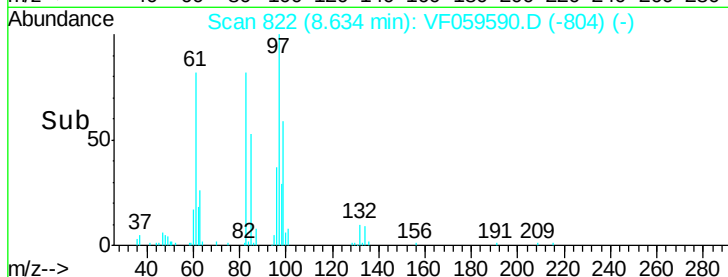
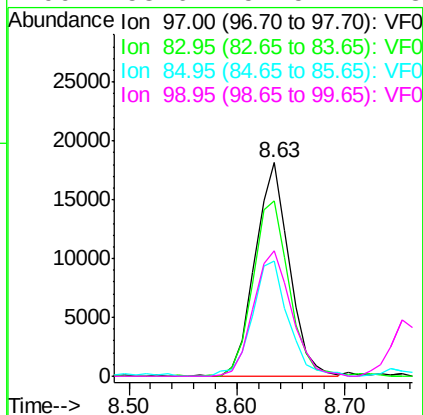
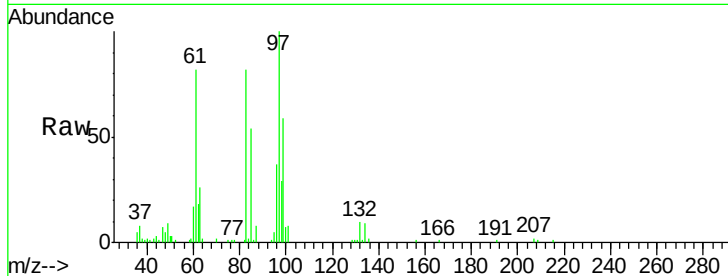
ClientSampleId :

VF0720SBS01

Tot Ion:	97	Resp:	39893
Ion	Ratio	Lower	Upper
97	100		
83	82.0	66.9	100.3
85	54.1	46.9	70.3
99	58.6	51.5	77.3

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#56

Ethyl methacrylate

Concen: 19.24 ug/l

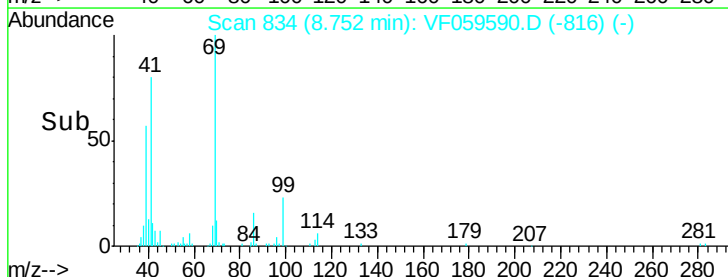
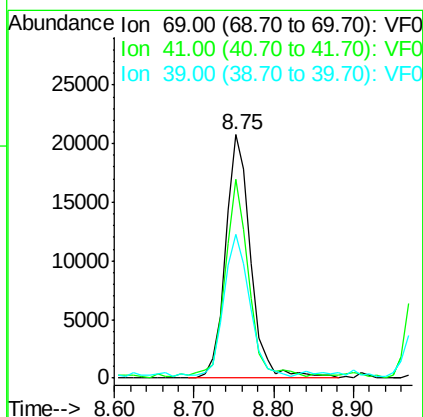
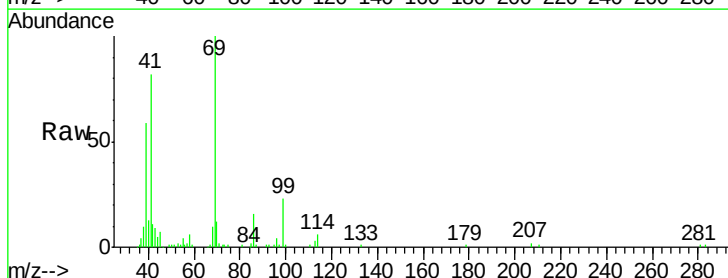
RT: 8.75 min Scan# 834

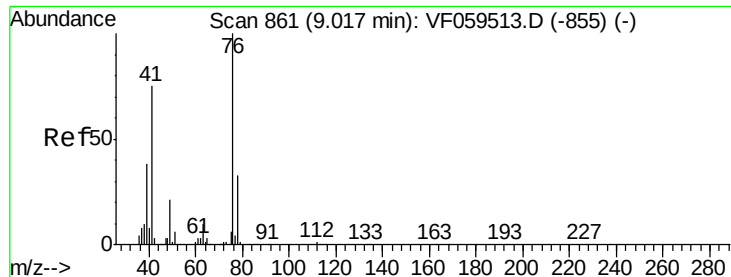
Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Tgt Ion:	69	Resp:	46051
Ion	Ratio	Lower	Upper
69	100		
41	81.6	65.4	98.2
39	59.1	51.0	76.4





#57

1,3-Dichloropropane

Concen: 20.99 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 76 Resp: 71633

Ion Ratio Lower Upper

76 100

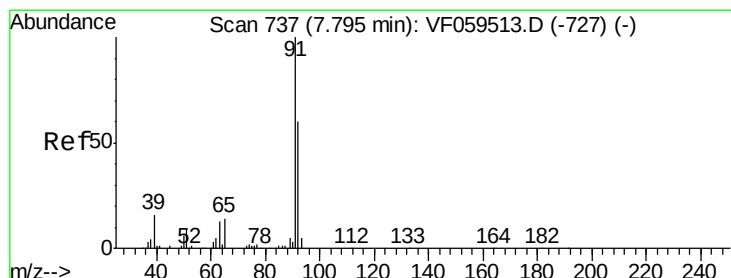
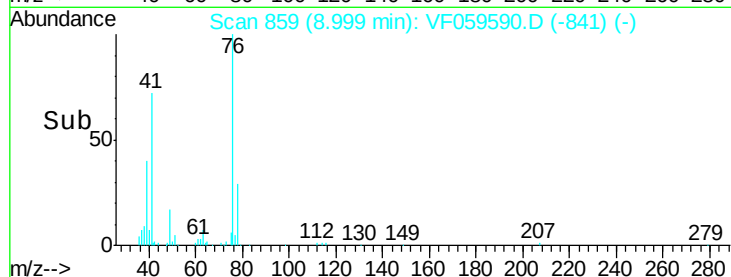
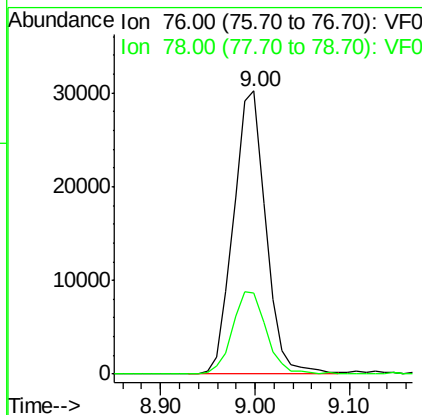
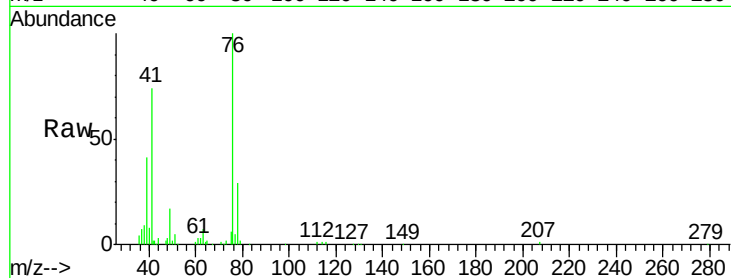
78 28.7 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 119.17 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059590.D

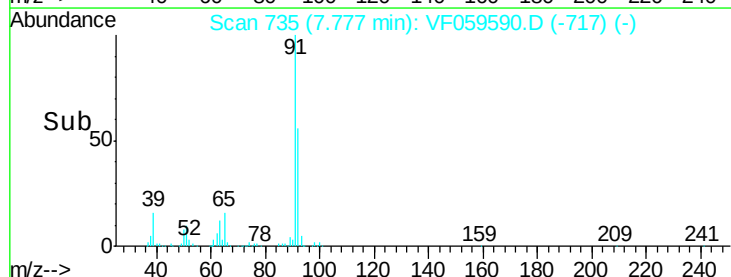
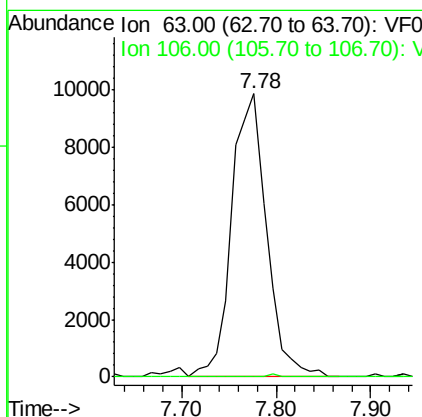
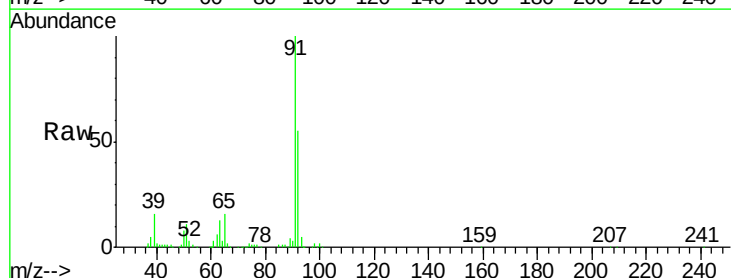
Acq: 20 Jul 2018 19:36

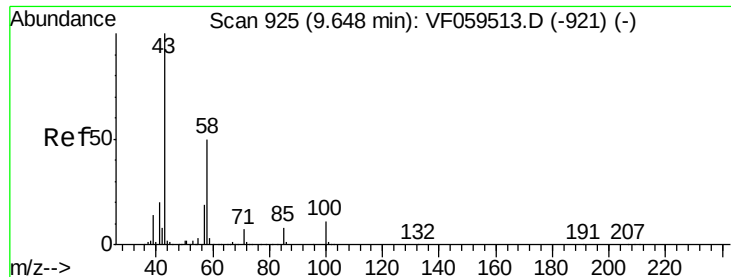
Tgt Ion: 63 Resp: 25181

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





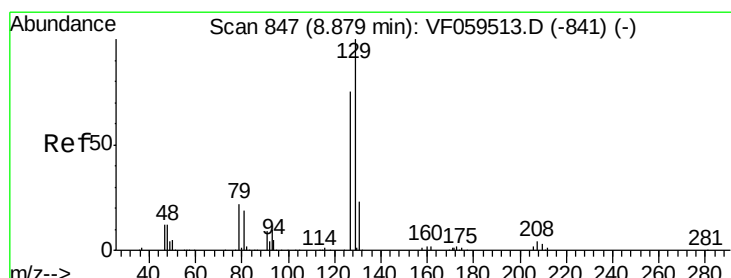
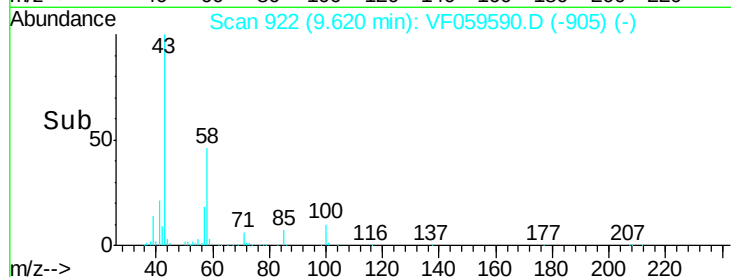
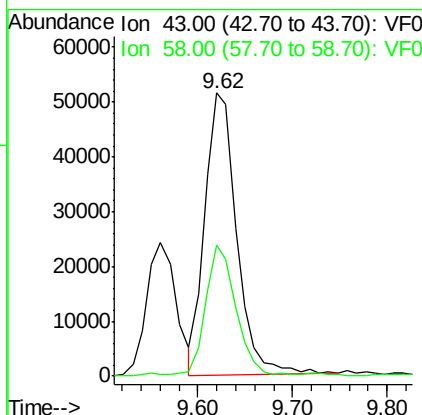
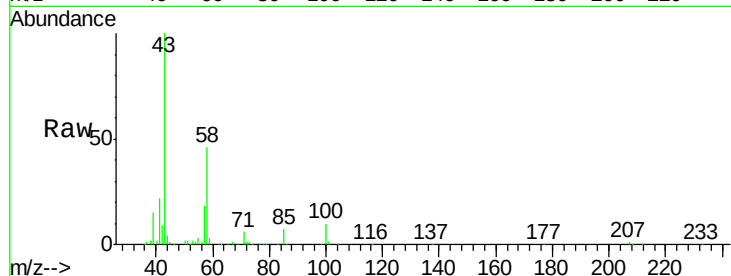
#59
2-Hexanone
Concen: 88.56 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.03 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion: 43 Resp: 120688
Ion Ratio Lower Upper
43 100
58 46.2 23.3 69.9

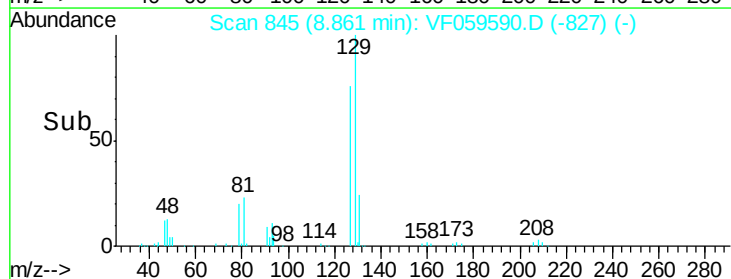
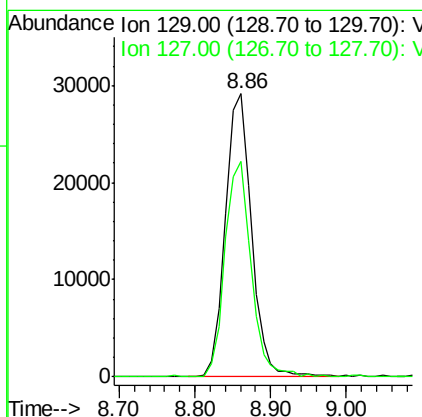
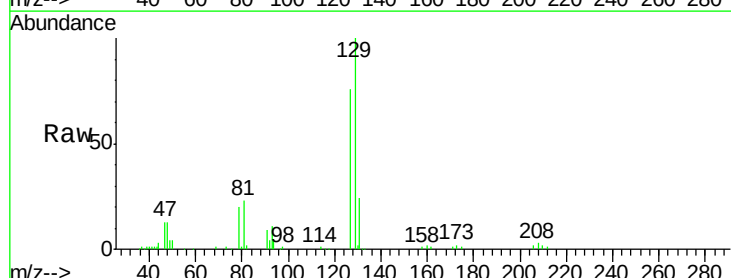
Manual Integrations
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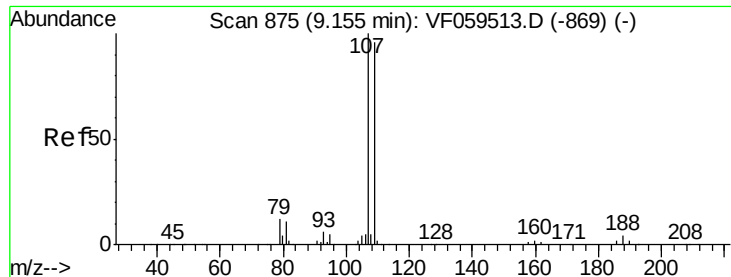
apatel
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#60
Dibromochloromethane
Concen: 21.42 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion: 129 Resp: 69672
Ion Ratio Lower Upper
129 100
127 76.1 37.6 112.8





#61

1,2-Dibromoethane

Concen: 20.32 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion:107 Resp: 48653

Ion Ratio Lower Upper

107 100

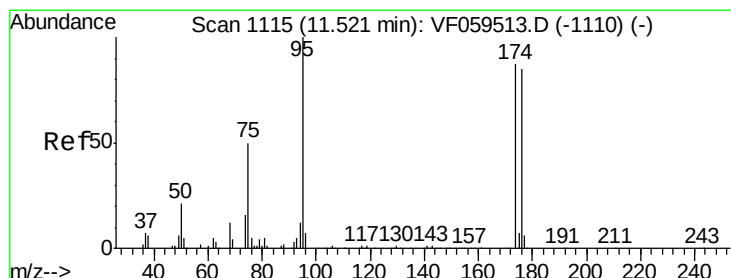
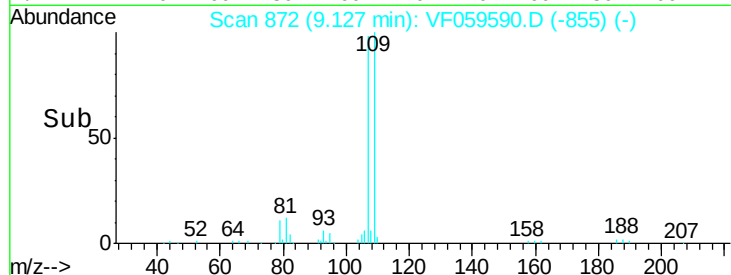
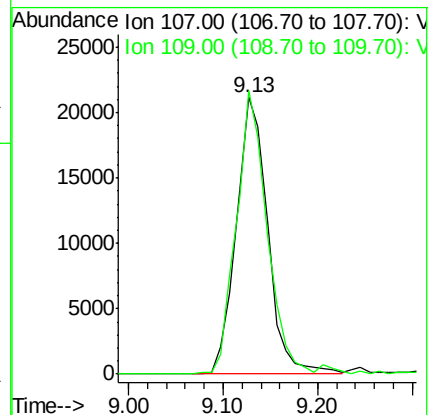
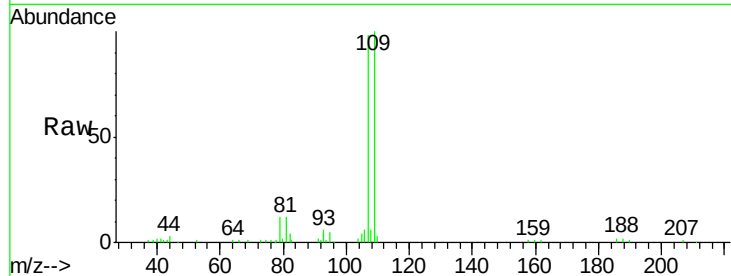
109 102.4 76.5 114.7

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#62

4-Bromofluorobenzene

Concen: 52.77 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

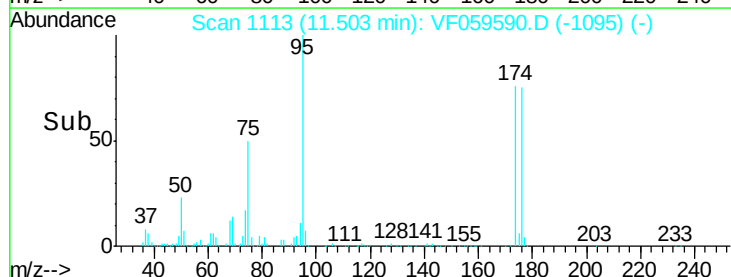
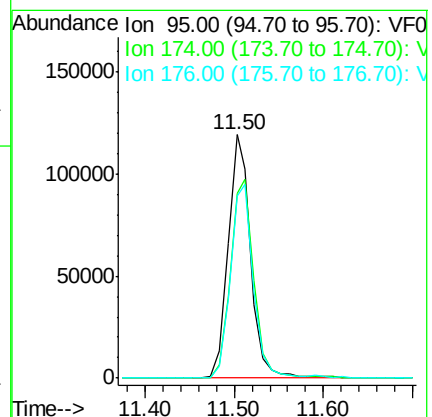
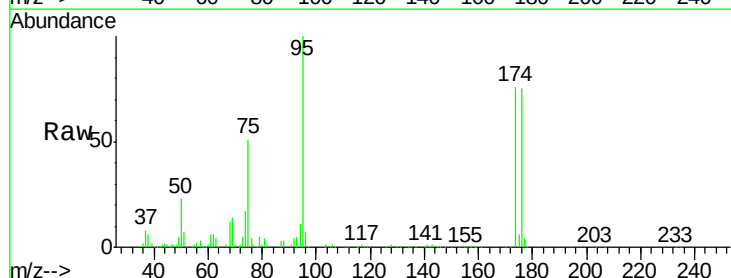
Tgt Ion: 95 Resp: 213606

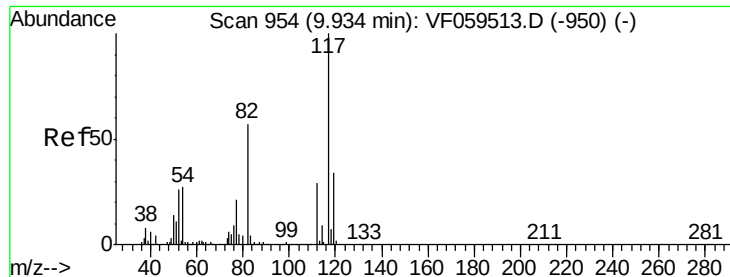
Ion Ratio Lower Upper

95 100

174 76.0 0.0 174.4

176 74.9 0.0 169.4





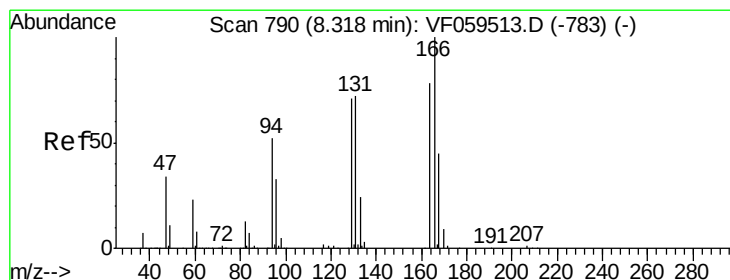
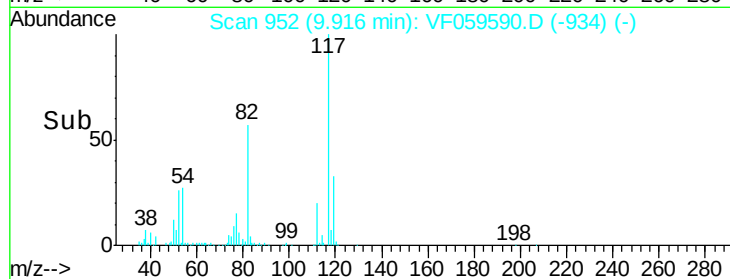
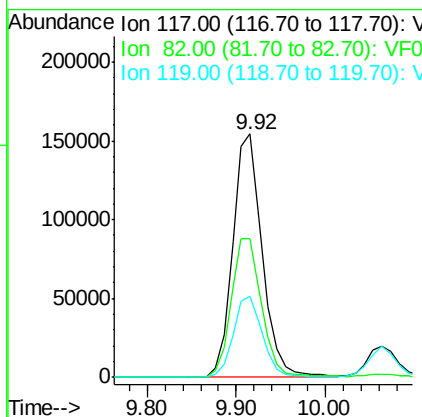
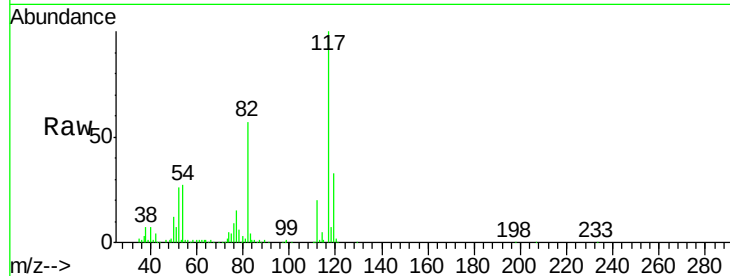
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	356913		
82	56.9	46.1	69.1	
119	33.2	27.2	40.8	

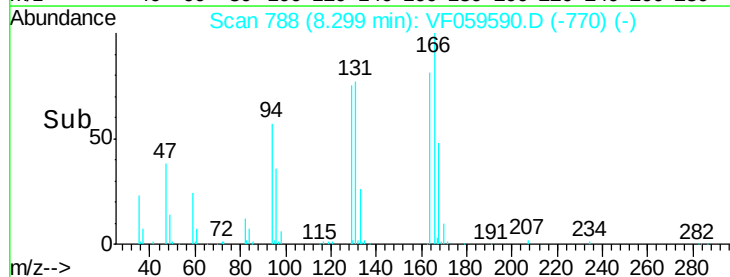
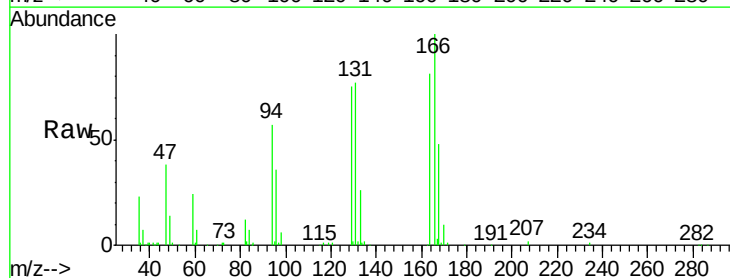
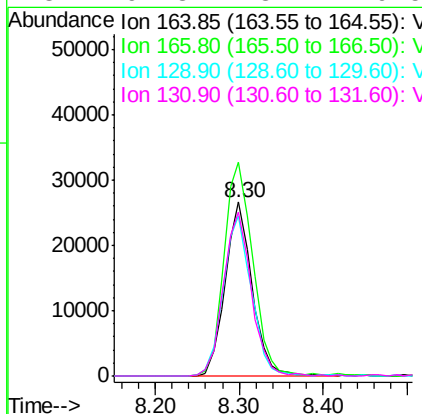
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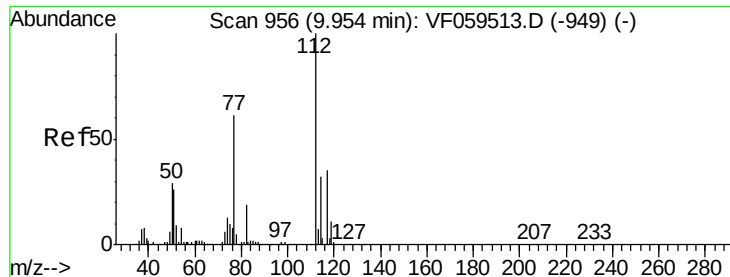
apatel
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#64
Tetrachloroethene
Concen: 22.27 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59179		
166	123.0	102.3	153.5	
129	92.2	72.4	108.6	
131	94.3	73.7	110.5	





#65

Chlorobenzene

Concen: 23.17 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion:112 Resp: 155115

Ion Ratio Lower Upper

112 100

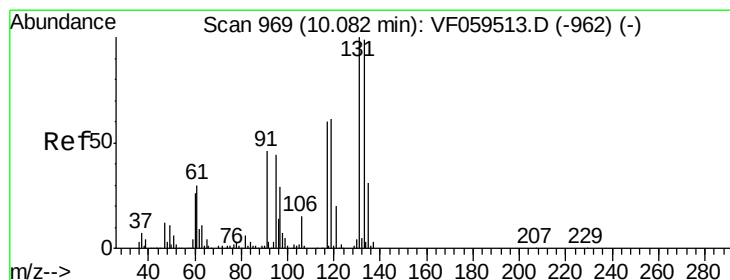
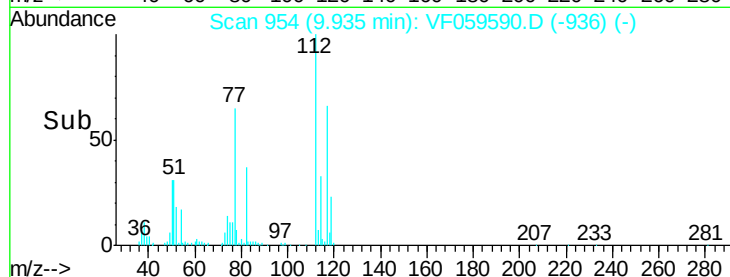
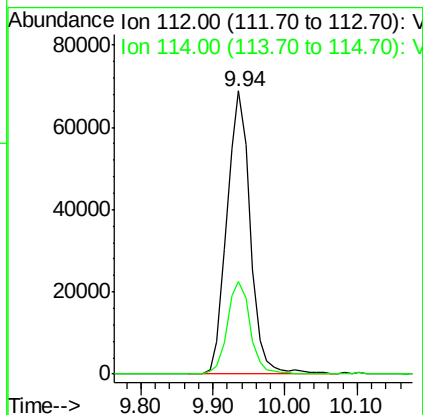
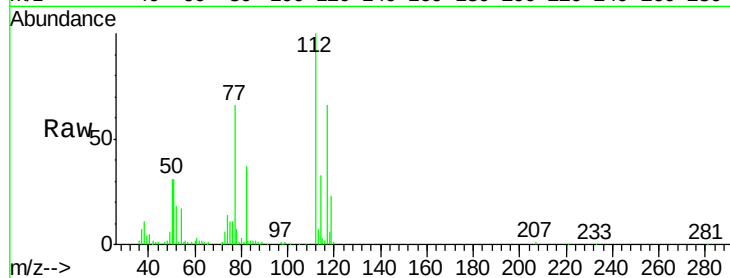
114 32.6 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.43 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

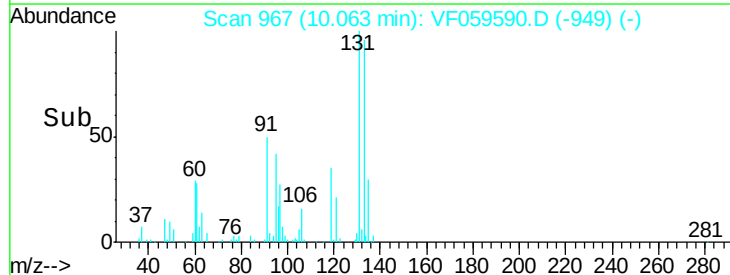
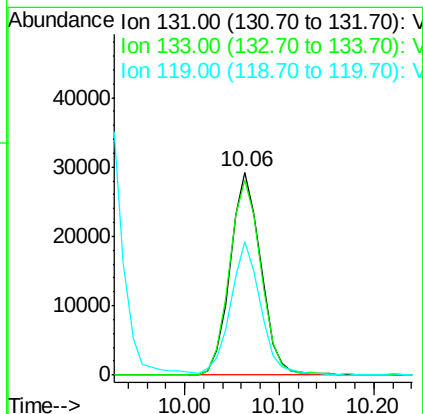
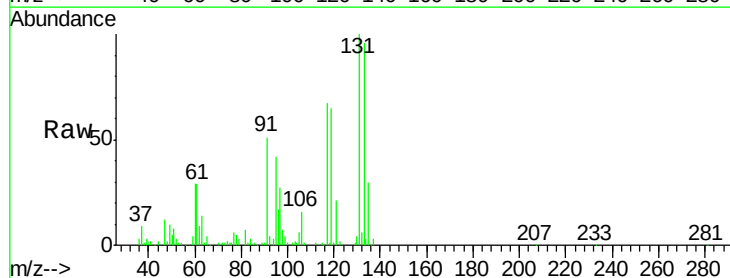
Tgt Ion:131 Resp: 65346

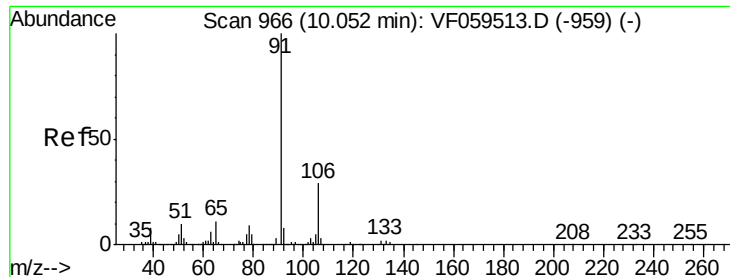
Ion Ratio Lower Upper

131 100

133 95.9 49.6 148.8

119 66.1 31.4 94.3





#67

Ethyl Benzene

Concen: 23.48 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Tot Ion: 91 Resp: 279792

Ion Ratio Lower Upper

91 100

106 28.9 23.4 35.2

Instrument :

MSVOA_F

ClientSampleId :

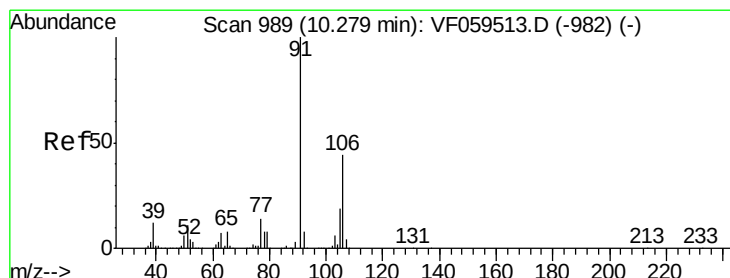
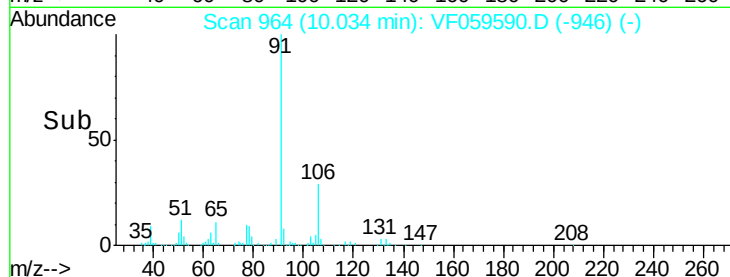
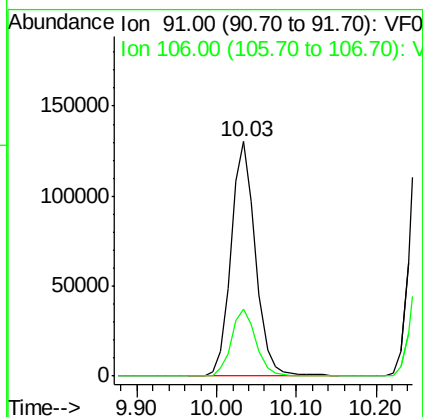
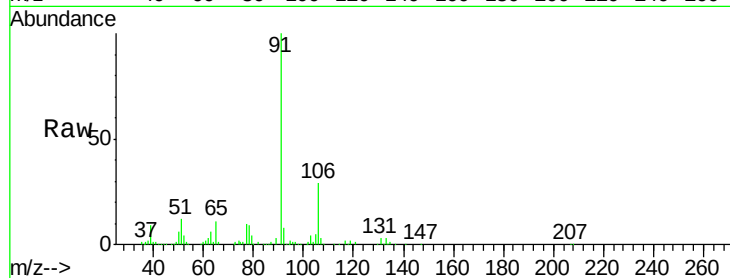
VF0720SBS01

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#68

m/p-Xylenes

Concen: 47.53 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF059590.D

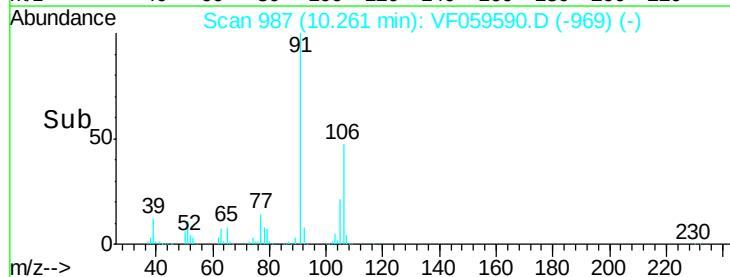
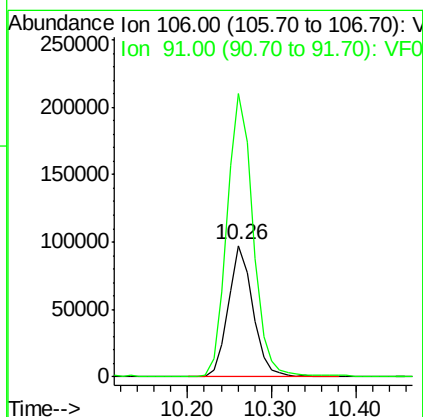
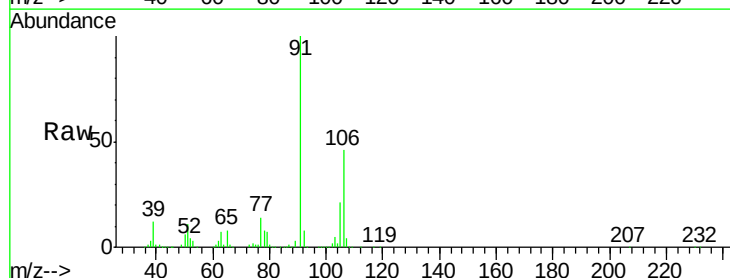
Acq: 20 Jul 2018 19:36

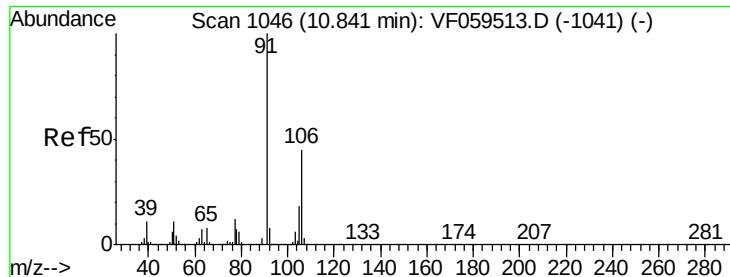
Tgt Ion: 106 Resp: 199861

Ion Ratio Lower Upper

106 100

91 215.7 181.0 271.4





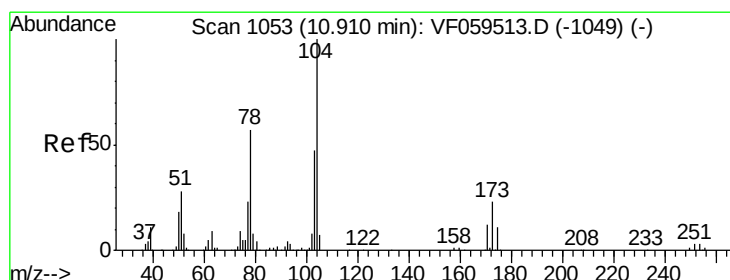
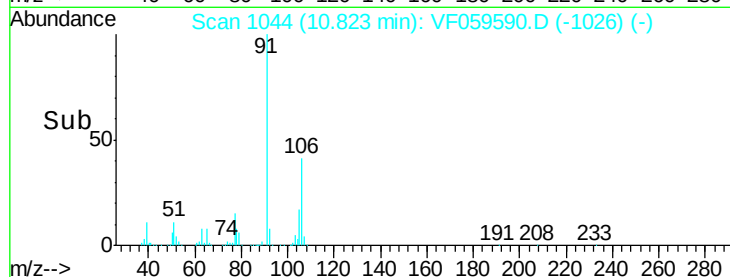
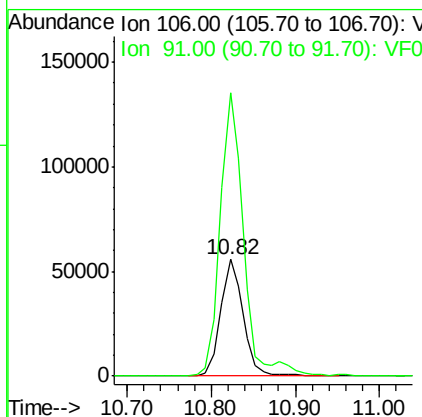
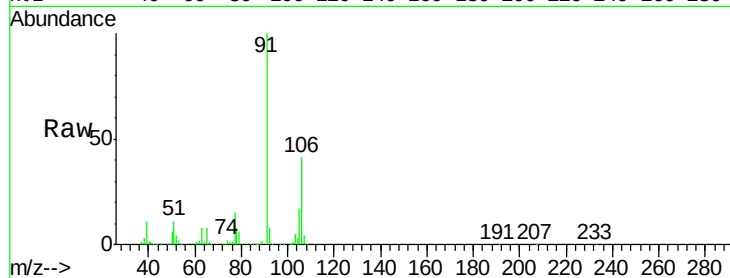
#69
o-Xylene
Concen: 23.25 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	243.1	112.3	336.9

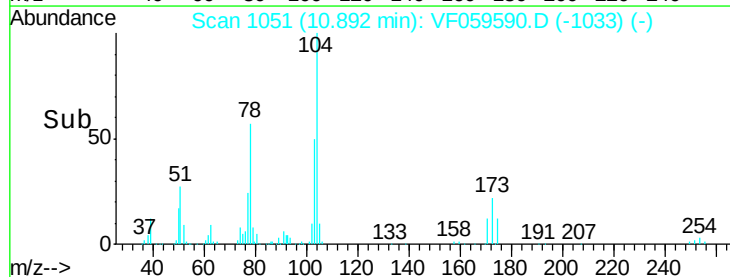
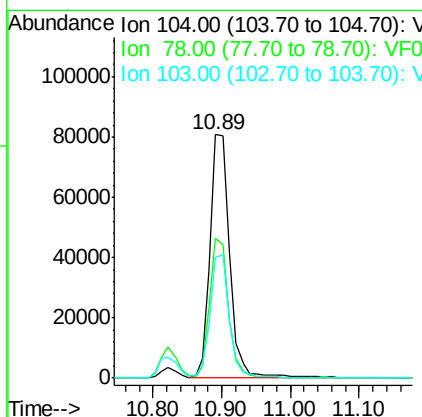
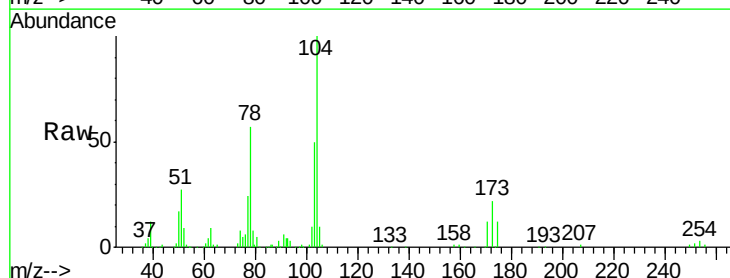
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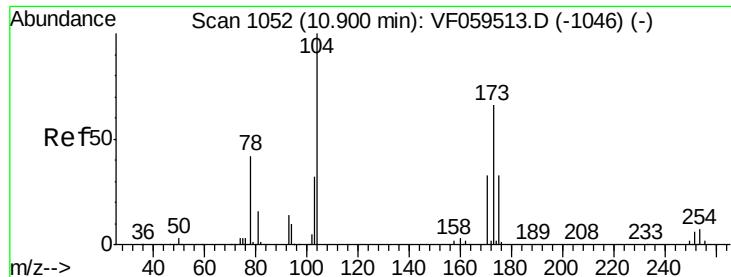
apatel
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#70
Styrene
Concen: 23.40 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	57.3	45.7	68.5
103	49.6	38.1	57.1





#71

Bromoform

Concen: 19.56 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion:173 Resp: 41415

Ion Ratio Lower Upper

173 100

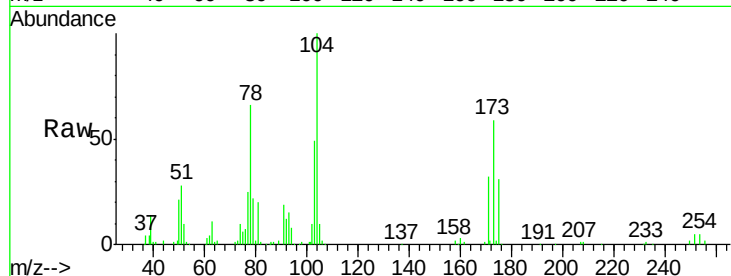
175 53.0 25.3 75.8

254 0.0 0.0 0.0

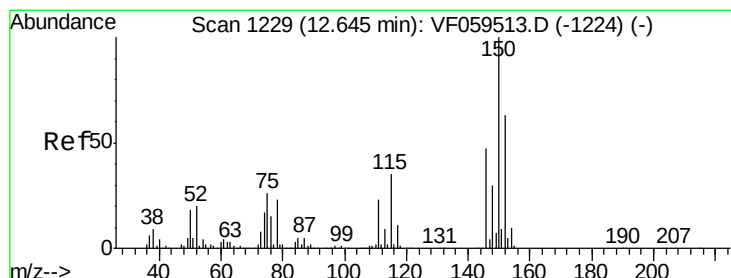
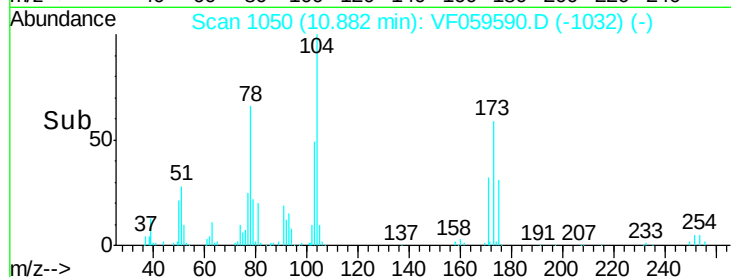
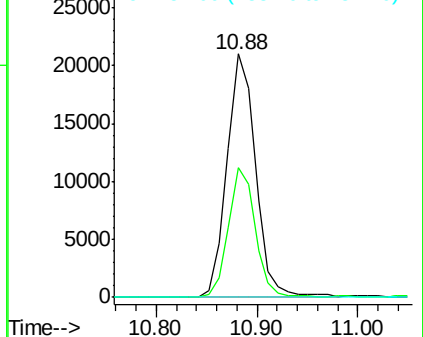
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

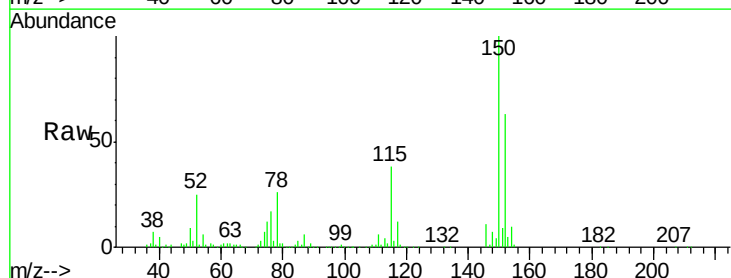
Tgt Ion:152 Resp: 220586

Ion Ratio Lower Upper

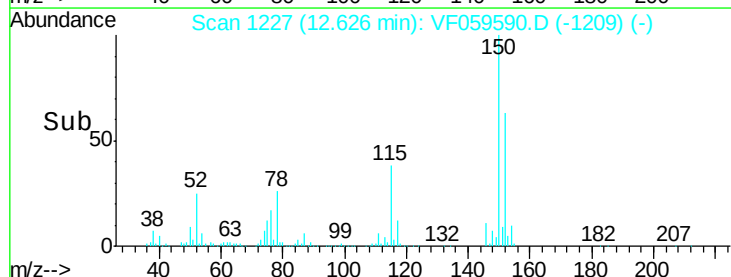
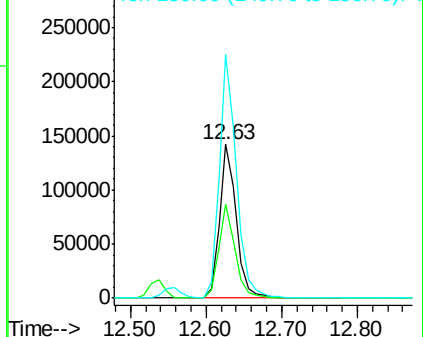
152 100

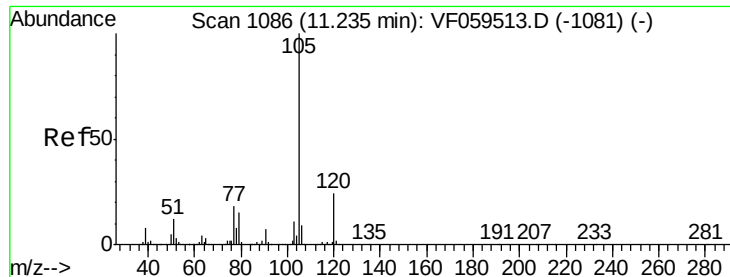
115 60.6 27.8 83.3

150 158.2 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: 23.14 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion: 105 Resp: 322145

Ion Ratio Lower Upper

105 100

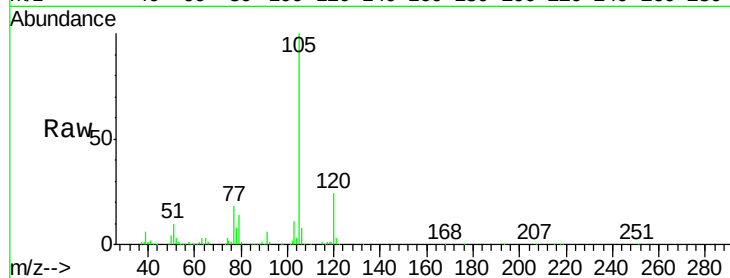
120 24.4 12.0 36.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

200000

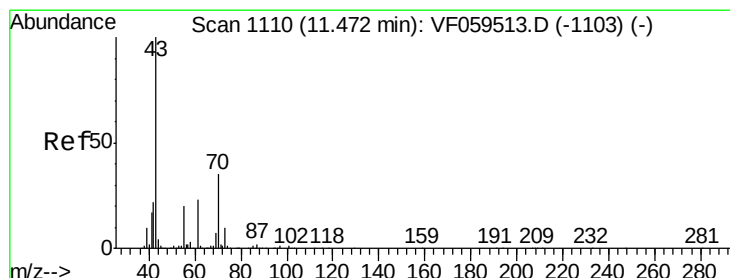
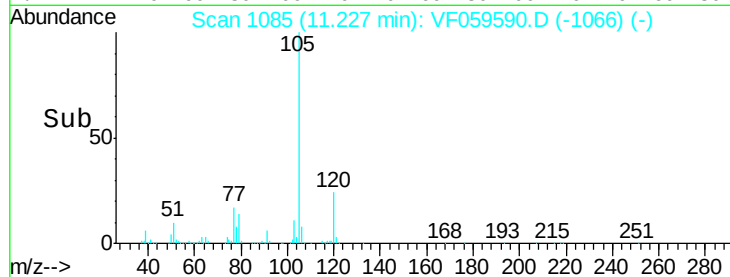
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 15.18 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Tgt Ion: 43 Resp: 67680

Ion Ratio Lower Upper

43 100

70 39.4 27.9 41.9

55 23.3 16.2 24.2

61 26.2 18.6 27.8

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

50000

40000

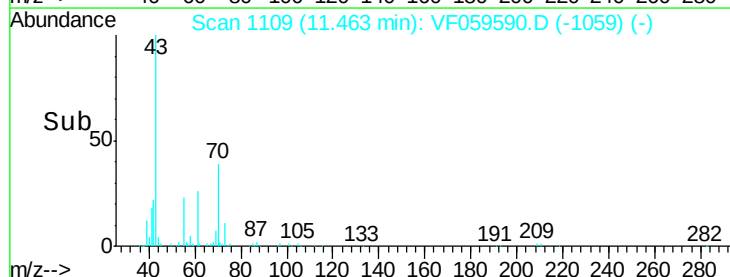
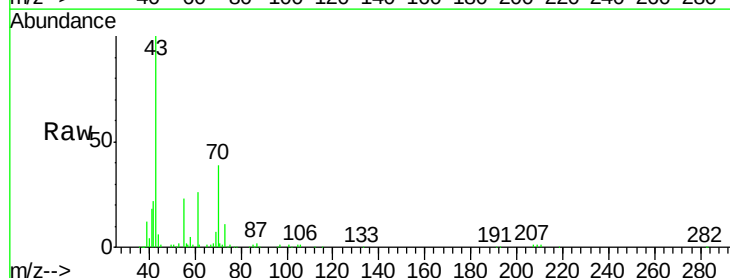
30000

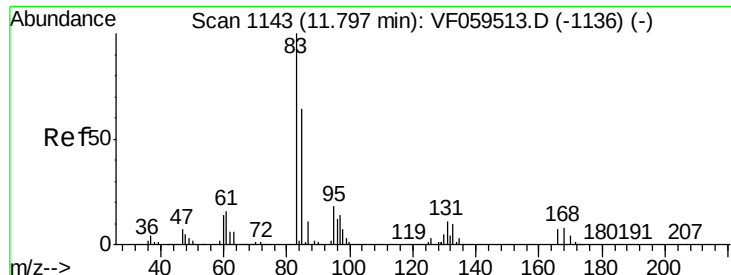
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.11 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

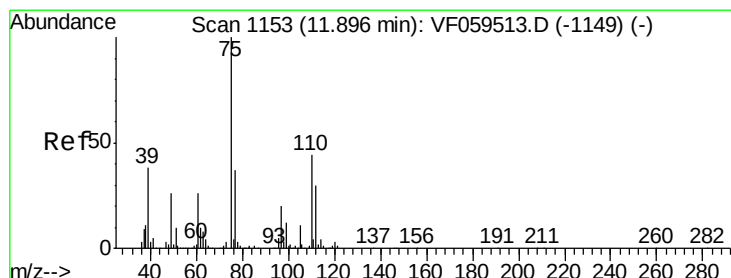
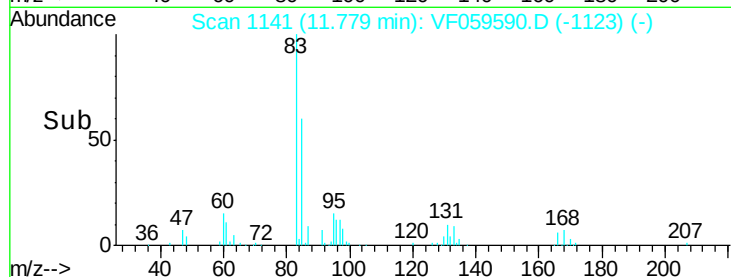
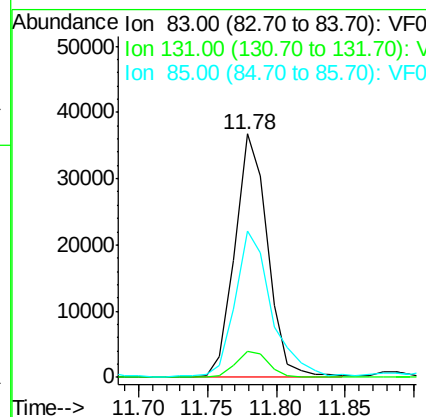
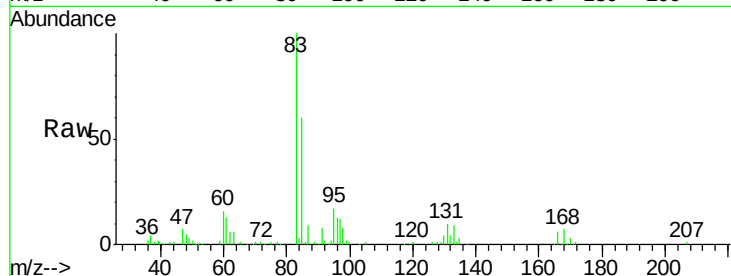
ClientSampleId :

VF0720SBS01

Tot Ion:	83	Resp:	61045
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.7	17.1
85	60.3	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 19.83 ug/l

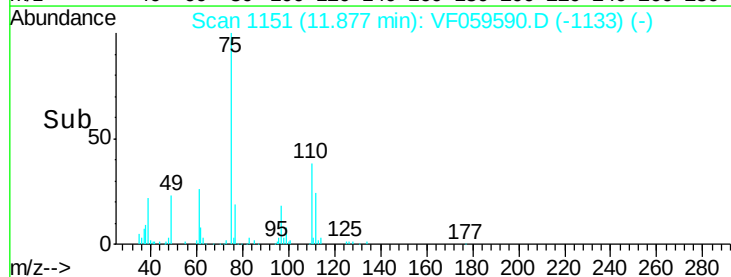
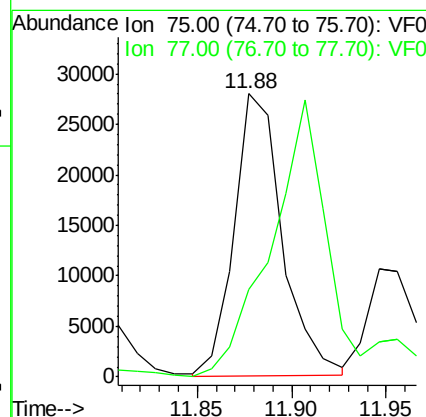
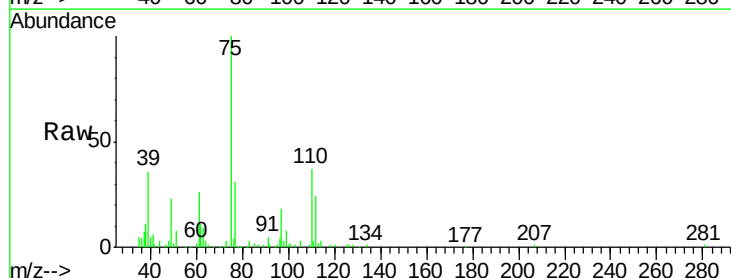
RT: 11.88 min Scan# 1151

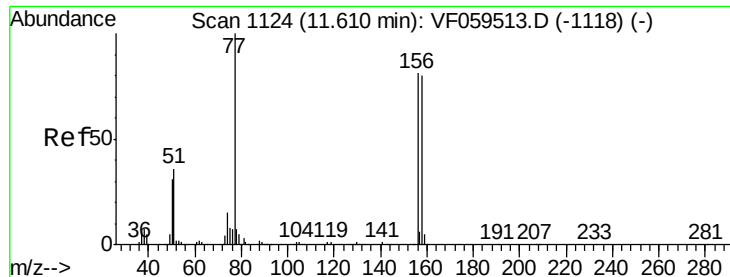
Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Tgt Ion:	75	Resp:	49162
Ion Ratio	Lower	Upper	
75	100		
77	31.0	18.7	56.1





#77

Bromobenzene

Concen: 22.03 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

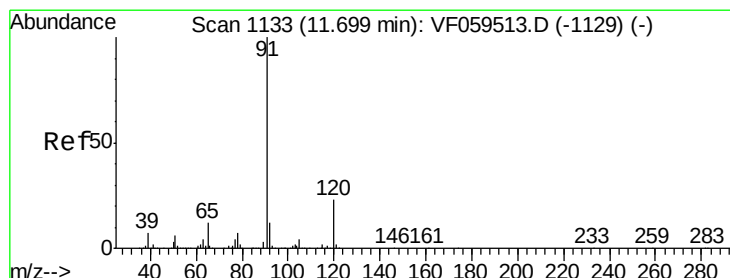
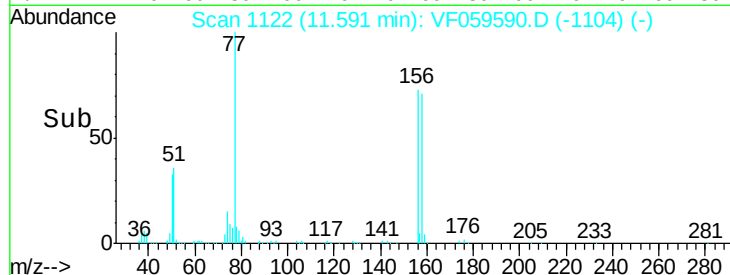
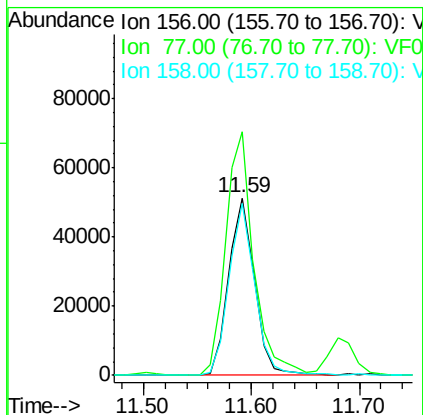
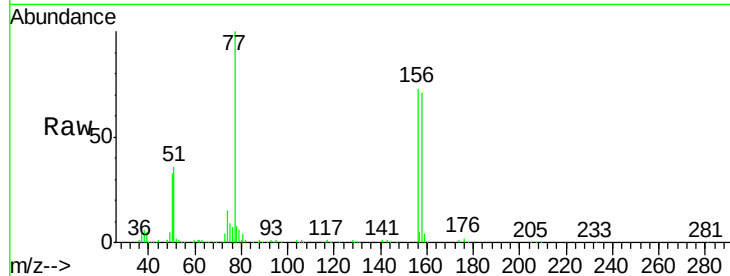
ClientSampleId :

VF0720SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		85968		
77	137.4		62.0	186.0	
158	97.0		49.8	149.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 23.07 ug/l

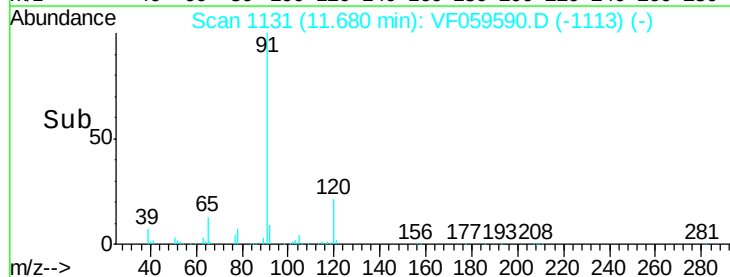
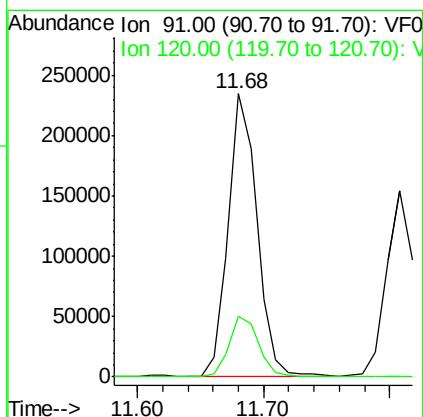
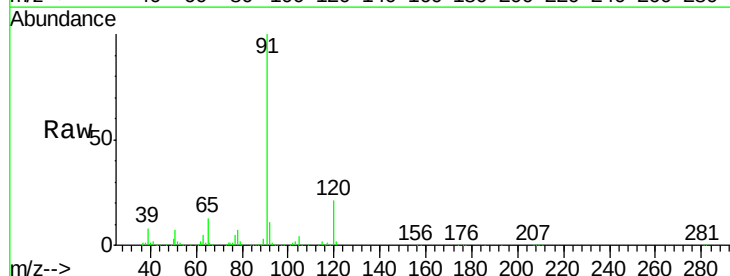
RT: 11.68 min Scan# 1131

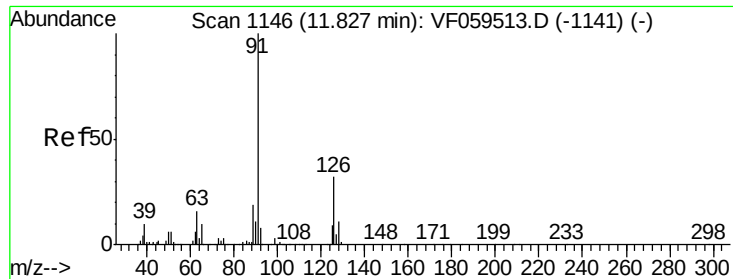
Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		368294		
120	21.3		11.3	33.9	





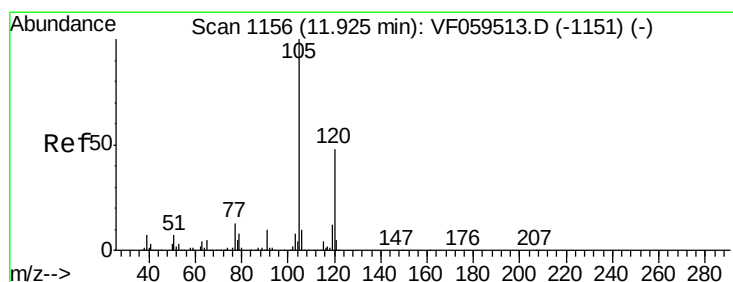
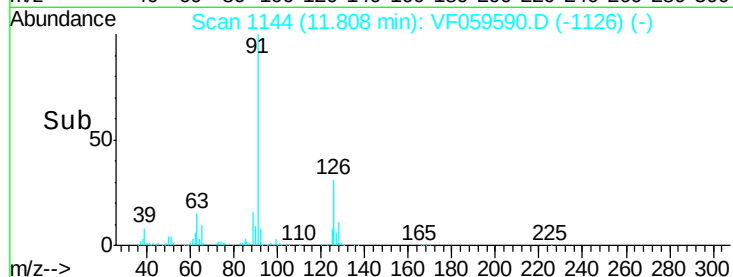
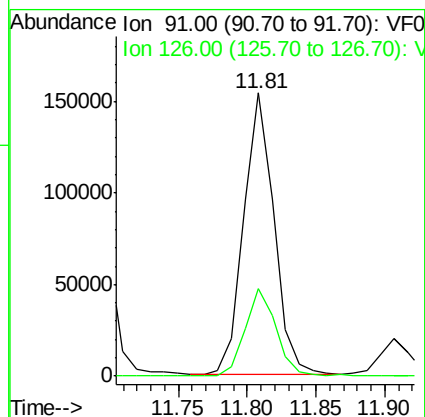
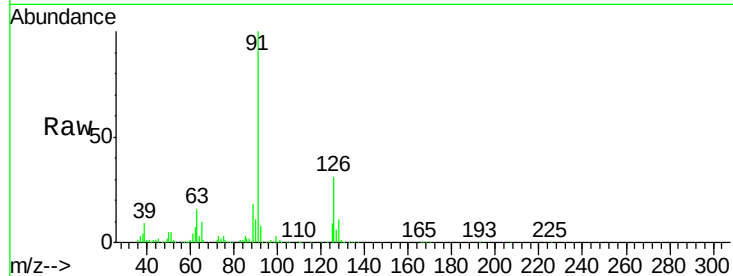
#79
 2-Chlorotoluene
 Concen: 24.12 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion: 91 Resp: 237243
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.7 47.1

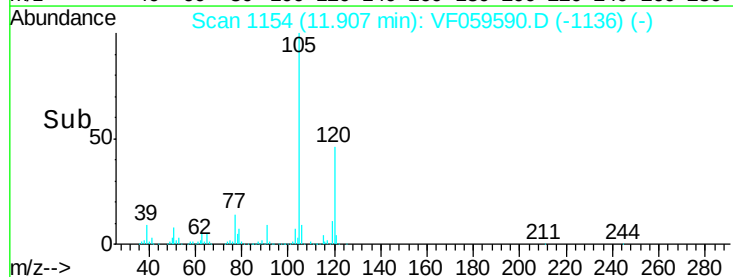
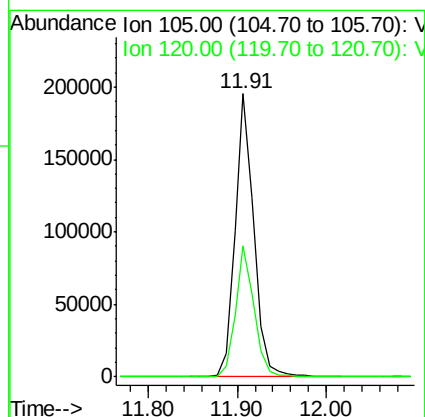
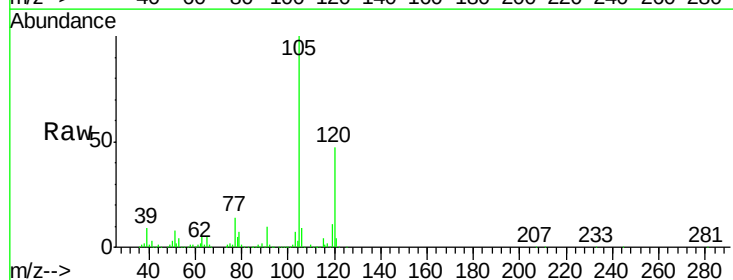
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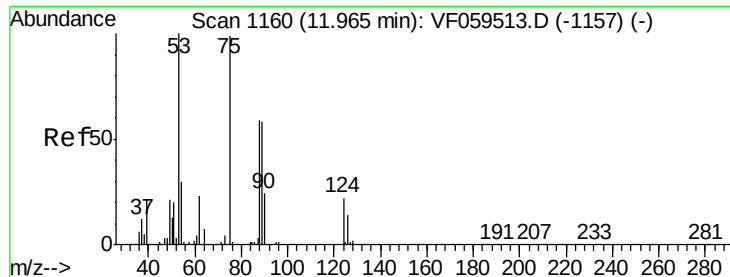
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#80
 1,3,5-Trimethylbenzene
 Concen: 24.85 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Tgt Ion: 105 Resp: 289797
 Ion Ratio Lower Upper
 105 100
 120 46.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.16 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

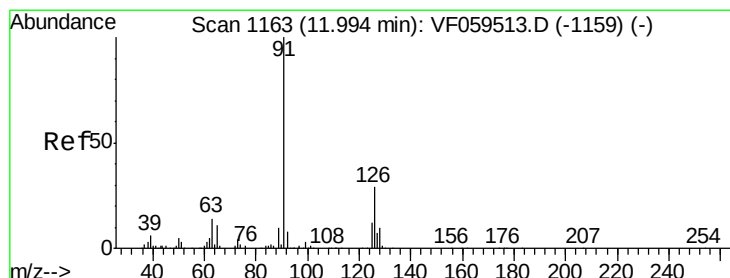
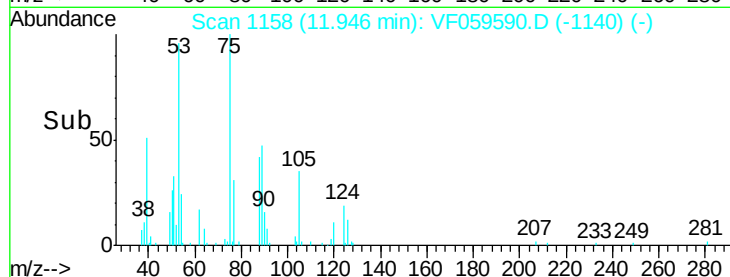
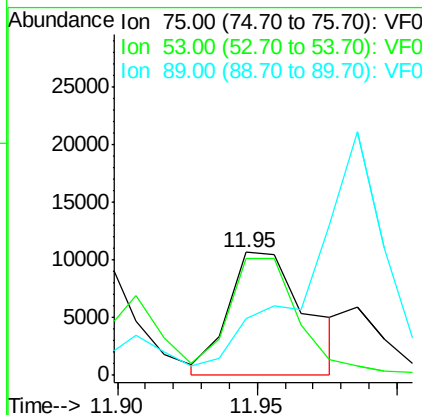
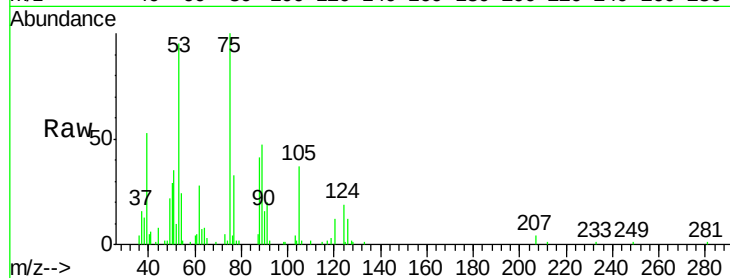
ClientSampleId :

VF0720SBS01

Tot Ion:	75	Resp:	20567
Ion Ratio	Lower	Upper	
75	100		
53	95.1	84.6	127.0
89	46.6	48.2	72.4#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.96 ug/l

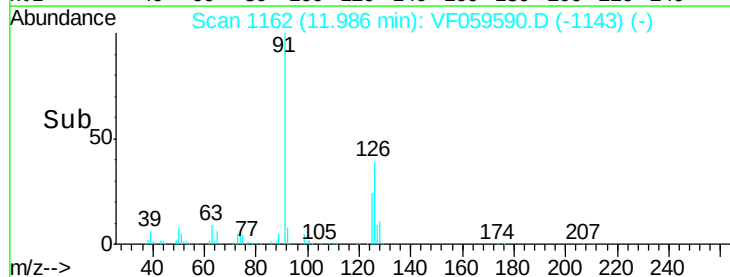
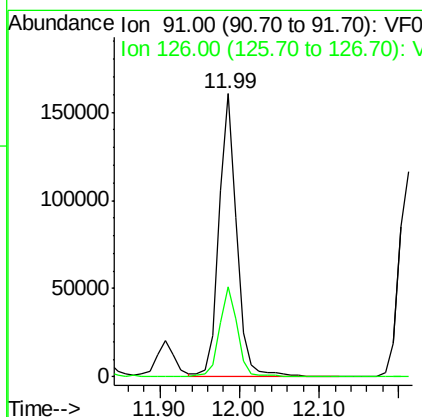
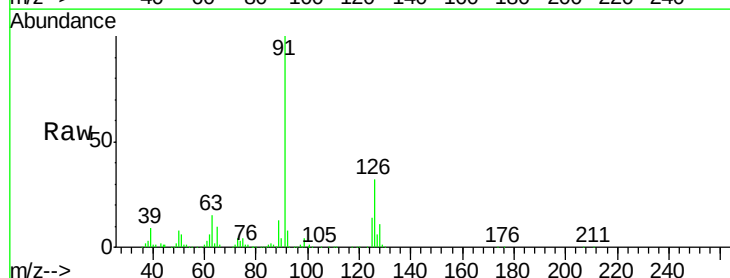
RT: 11.99 min Scan# 1162

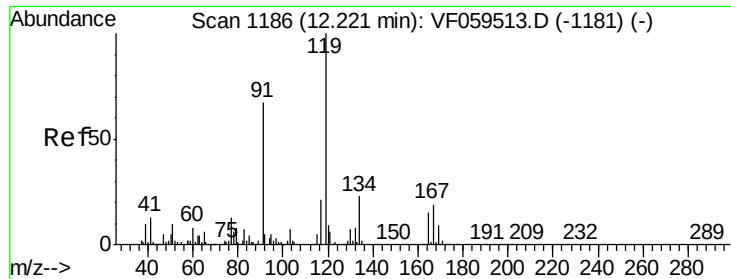
Delta R.T. -0.01 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Tgt Ion:	91	Resp:	252997
Ion Ratio	Lower	Upper	
91	100		
126	31.8	14.4	43.4





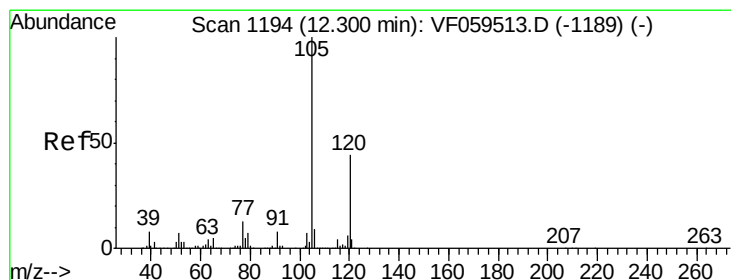
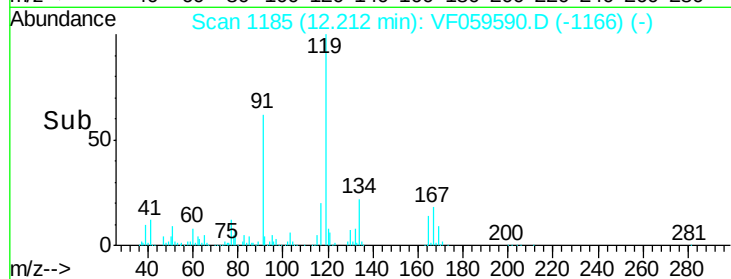
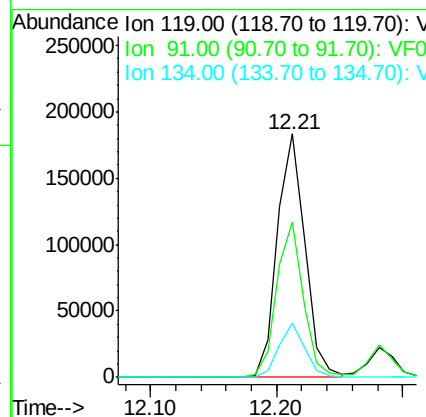
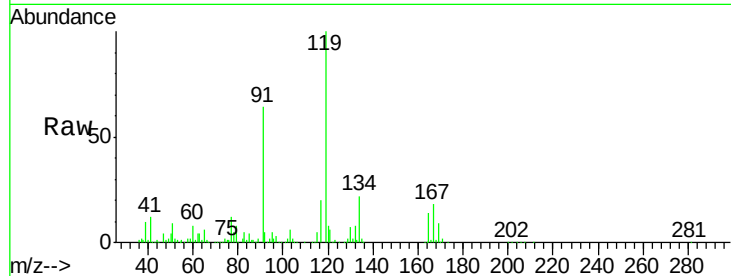
#83
 tert-Butylbenzene
 Concen: 24.99 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	33.5	100.5
134	22.0	11.3	33.8

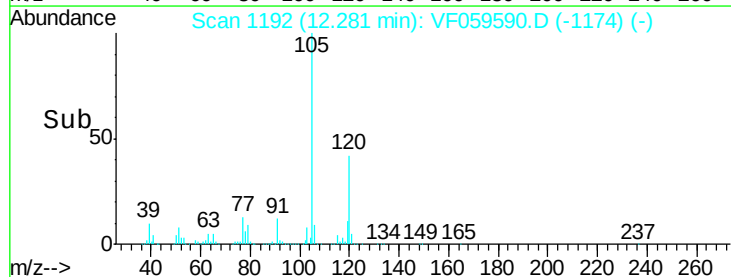
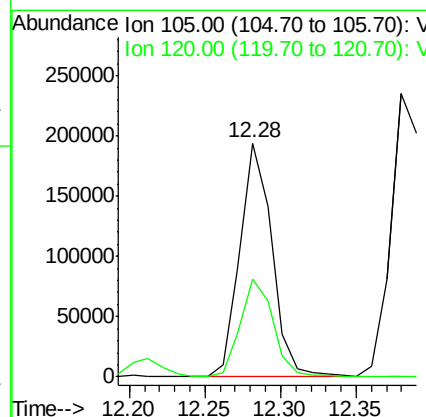
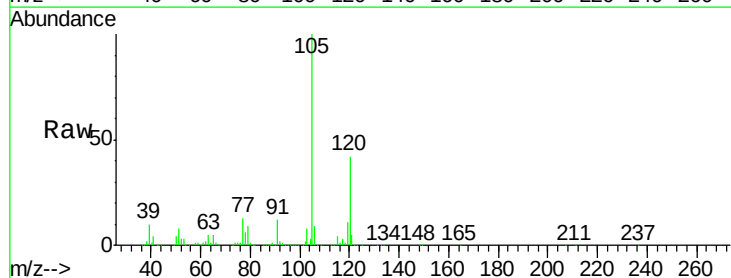
Manual Integrations
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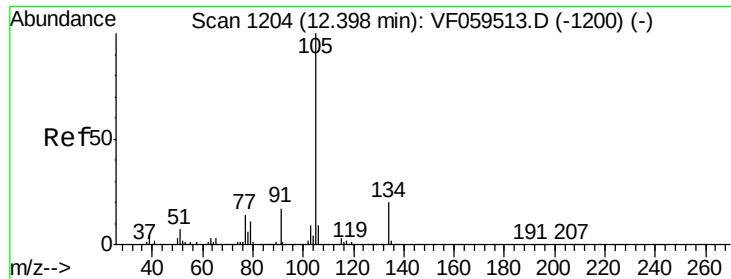
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.85 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.1	22.5	67.5





#85

sec-Butylbenzene

Concen: 25.69 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF0720SBS01

Tot Ion:105 Resp: 365717

Ion Ratio Lower Upper

105 100

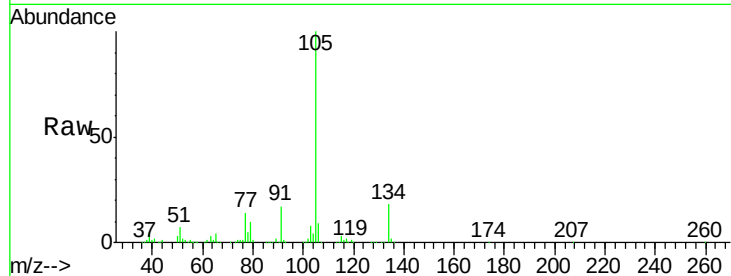
134 18.4 10.1 30.1

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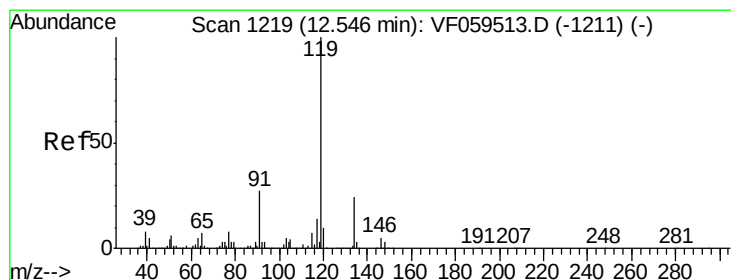
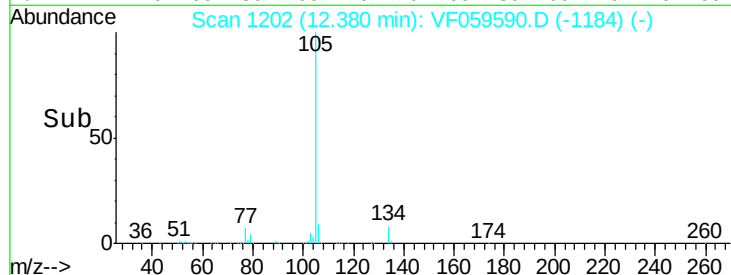
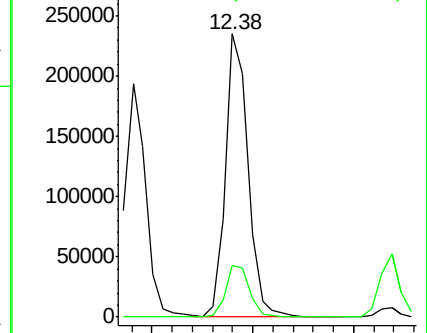
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.67 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059590.D

Acq: 20 Jul 2018 19:36

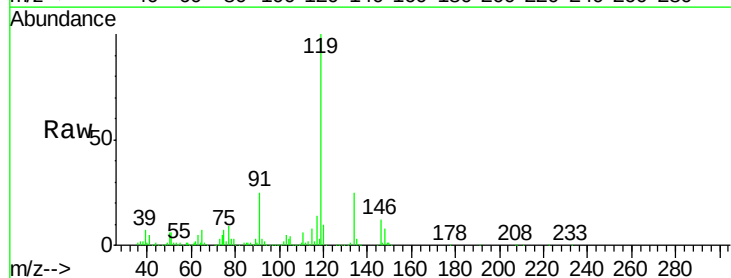
Tgt Ion:119 Resp: 305569

Ion Ratio Lower Upper

119 100

134 25.3 12.0 36.0

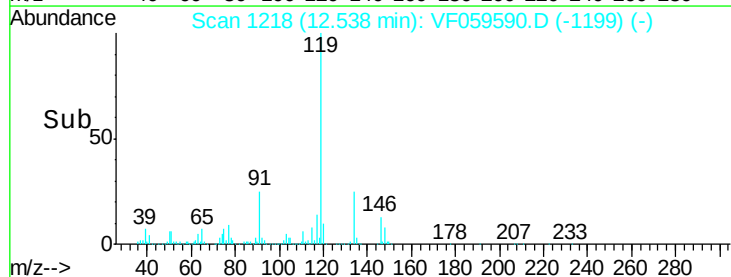
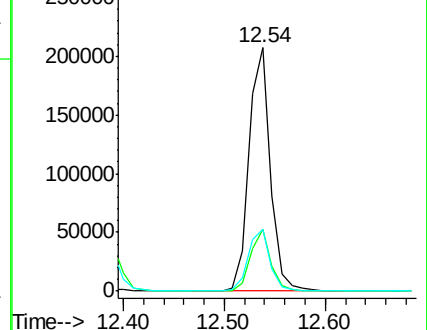
91 25.3 13.5 40.4

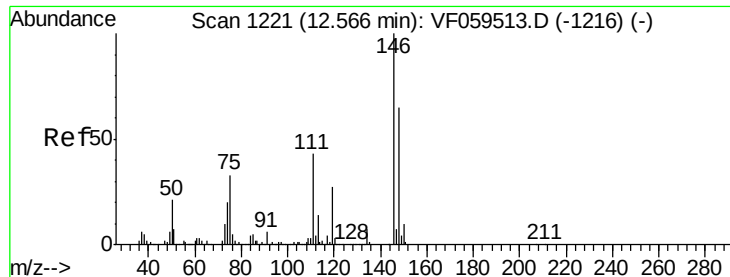


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





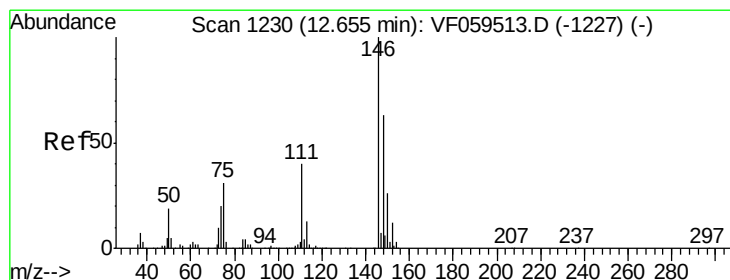
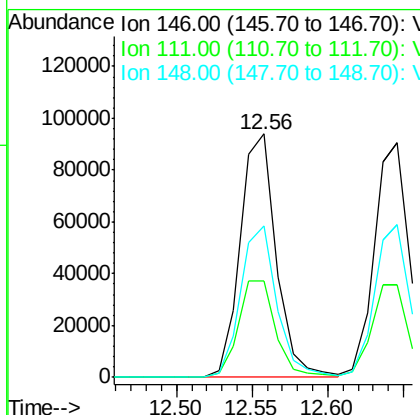
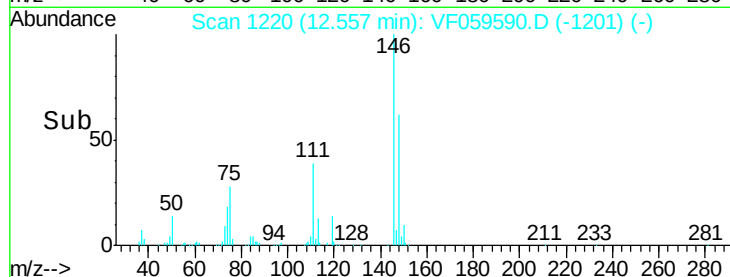
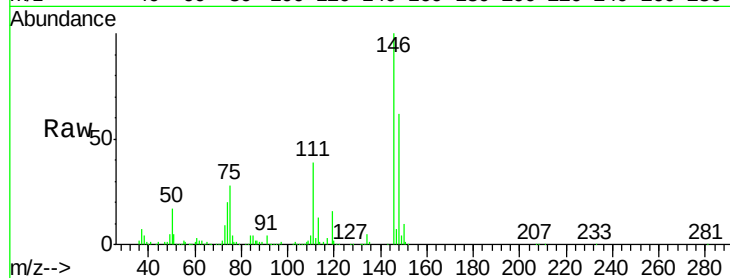
#87
 1,3-Dichlorobenzene
 Concen: 23.24 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.4	64.3
148	62.0	32.7	98.1

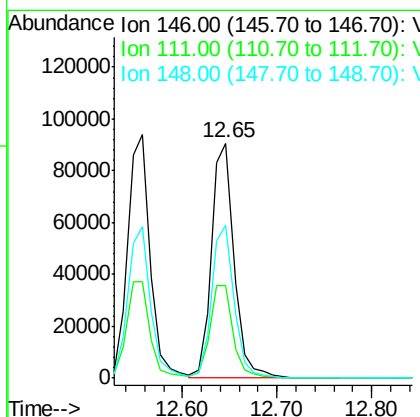
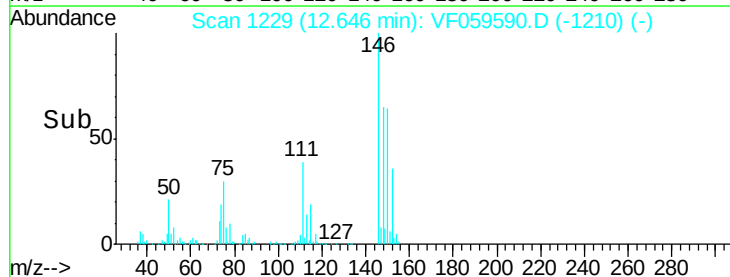
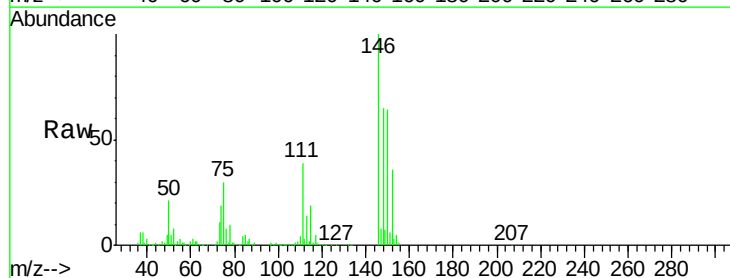
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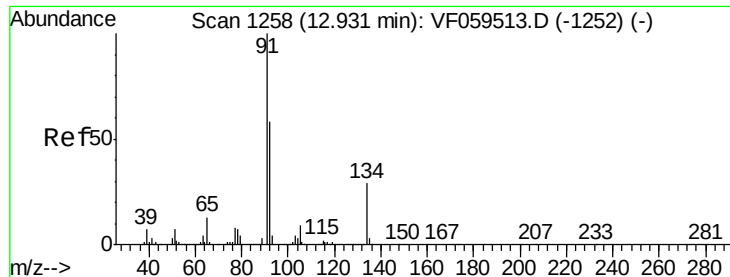
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#88
 1,4-Dichlorobenzene
 Concen: 22.88 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	59.9
148	65.0	31.5	94.5





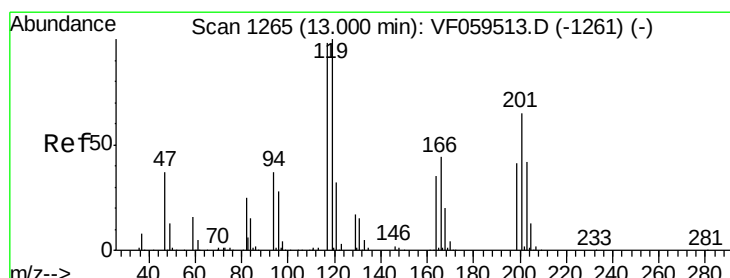
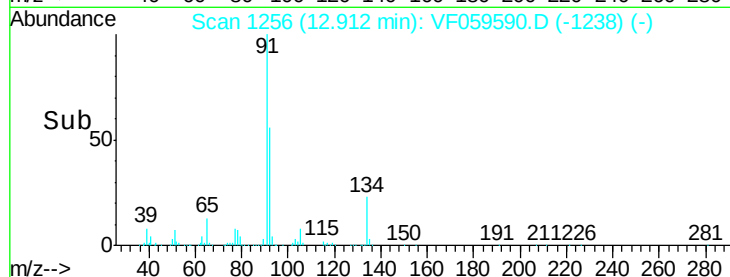
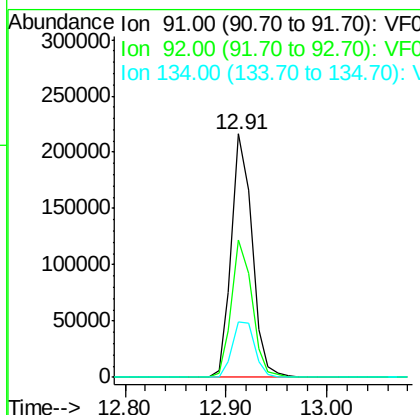
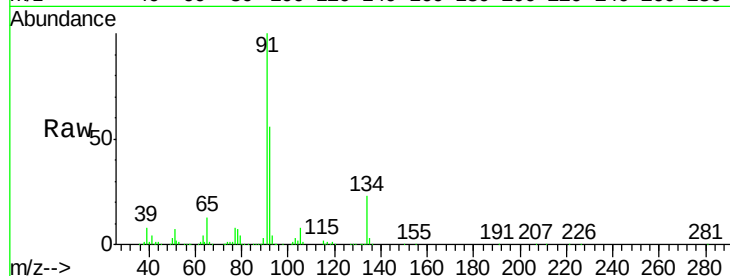
#89
n-Butylbenzene
Concen: 26.66 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.3	29.1	87.3
134	22.5	14.3	42.9

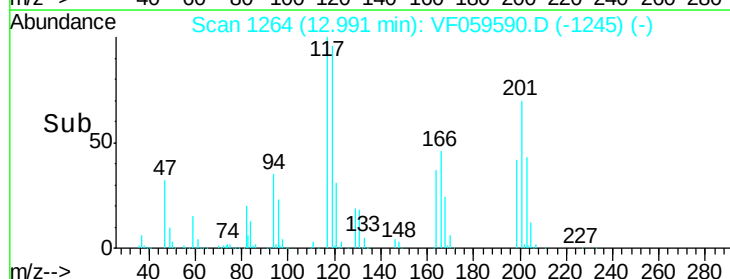
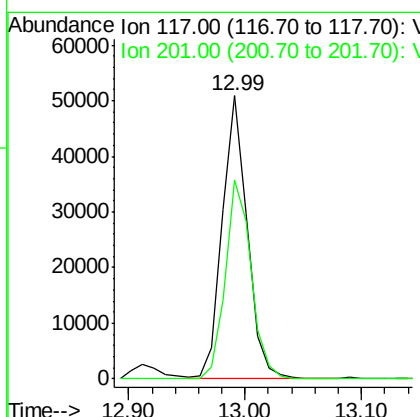
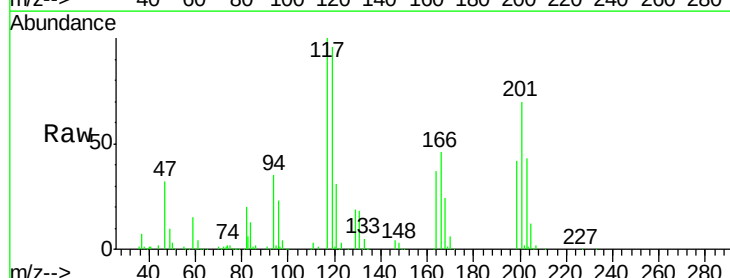
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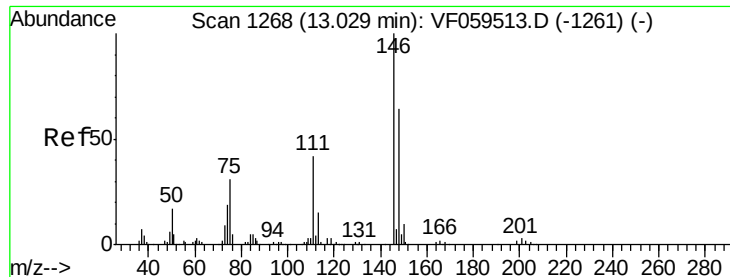
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#90
Hexachloroethane
Concen: 26.99 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.2	32.6	98.0





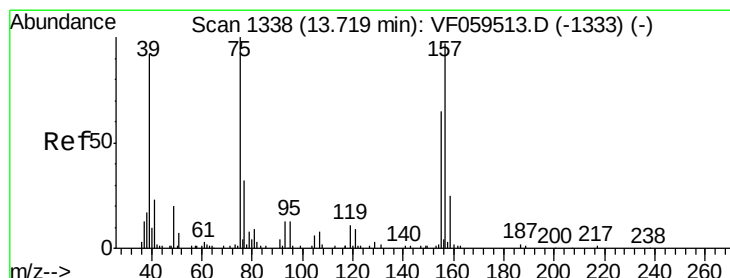
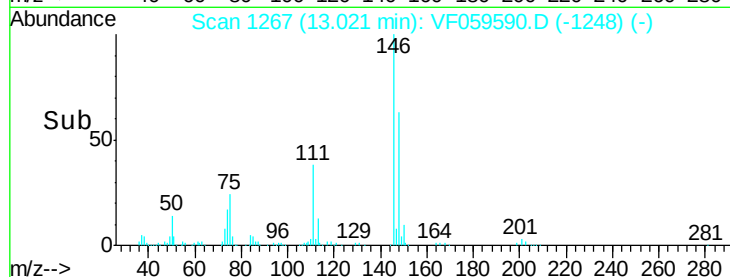
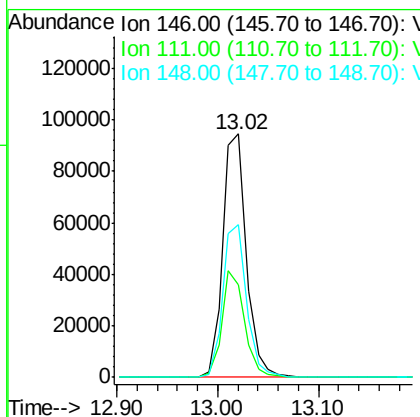
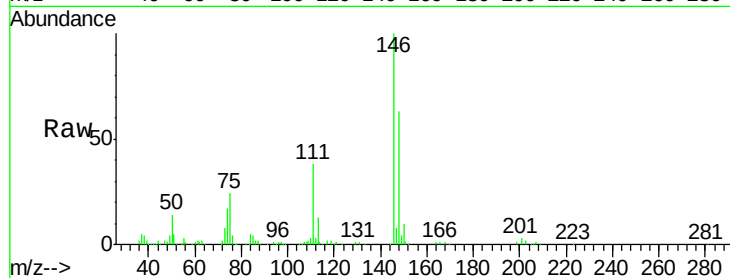
#91
 1,2-Dichlorobenzene
 Concen: 24.22 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	21.1	63.1
148	62.8	32.3	96.8

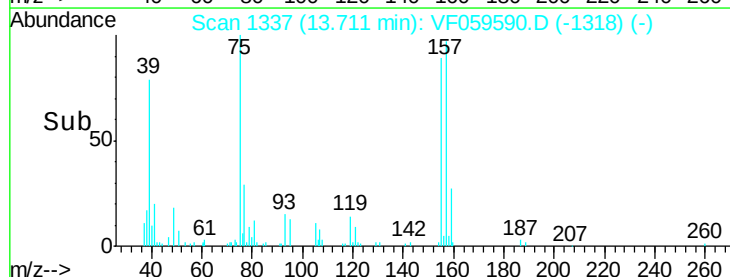
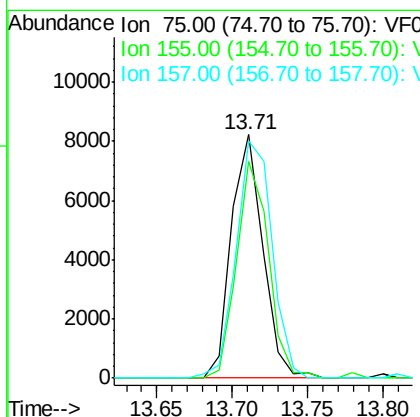
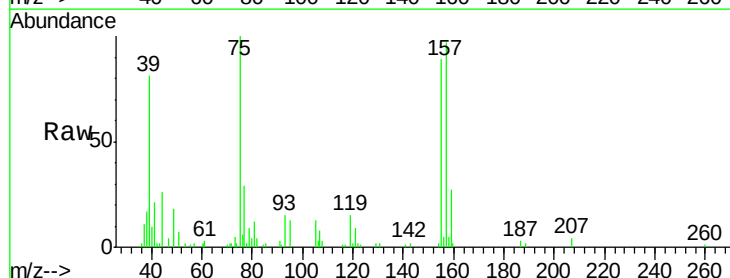
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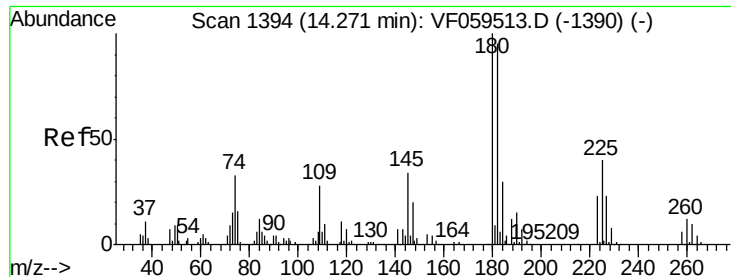
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.29 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	32.8	98.3
157	97.4	48.5	145.5





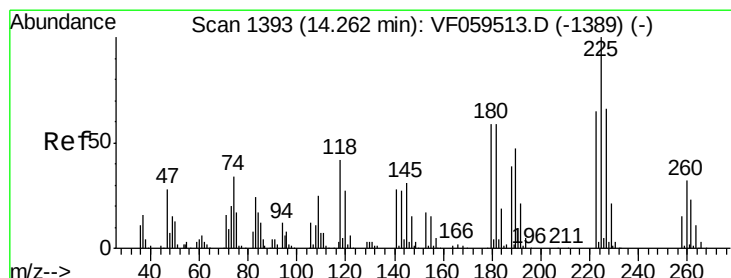
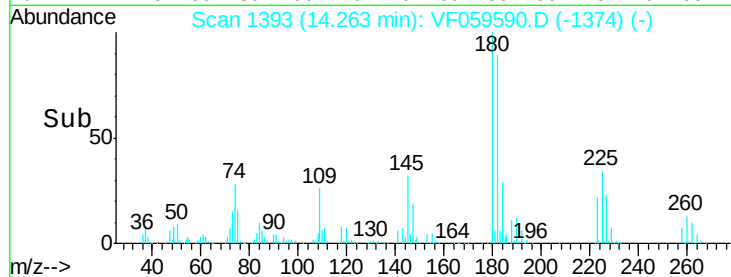
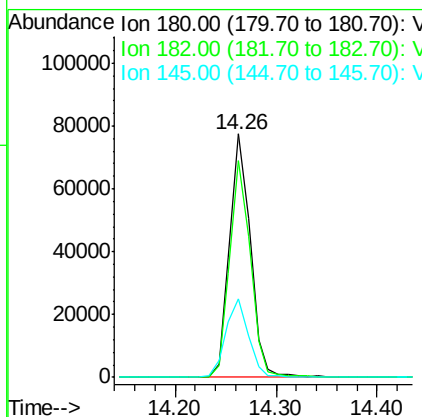
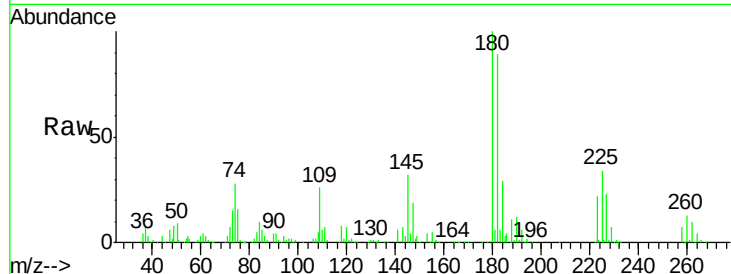
#93
 1,2,4-Trichlorobenzene
 Concen: 28.70 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	89.1	47.5	142.5	
145	32.1	17.3	51.7	

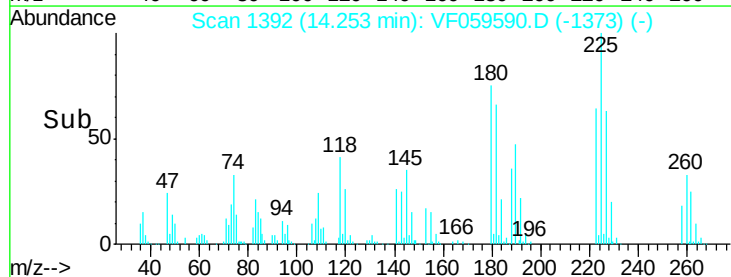
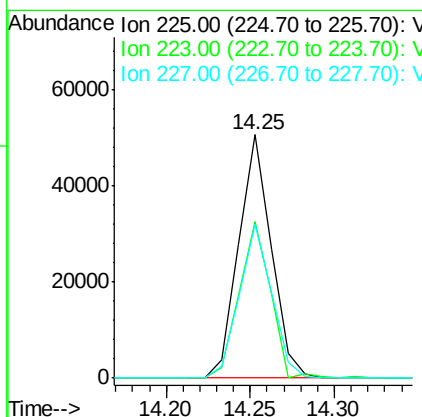
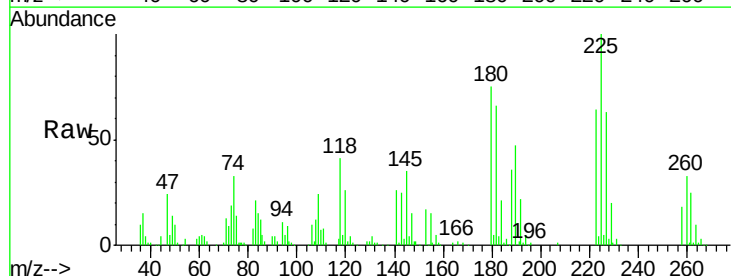
Manual Integrations
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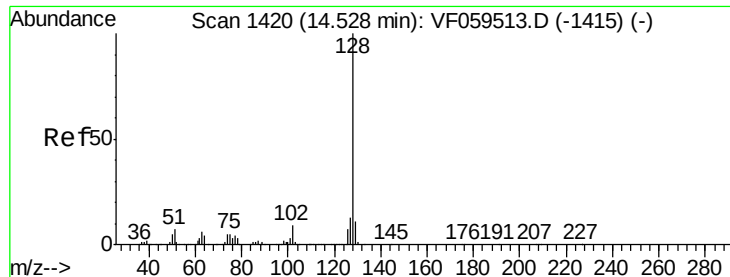
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#94
 Hexachlorobutadiene
 Concen: 34.08 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059590.D
 Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.2	32.3	96.8	
227	63.2	33.2	99.6	





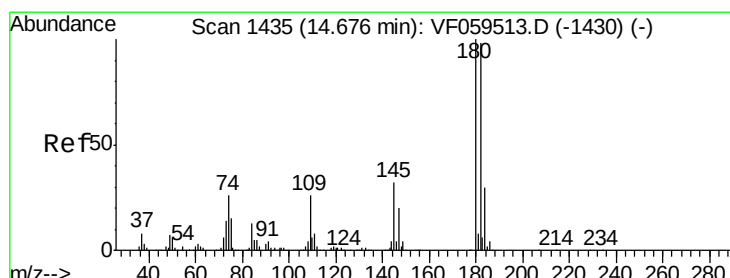
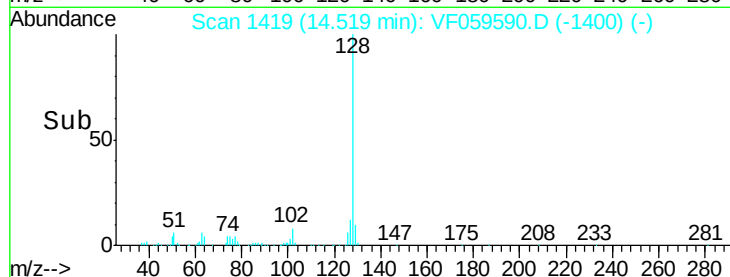
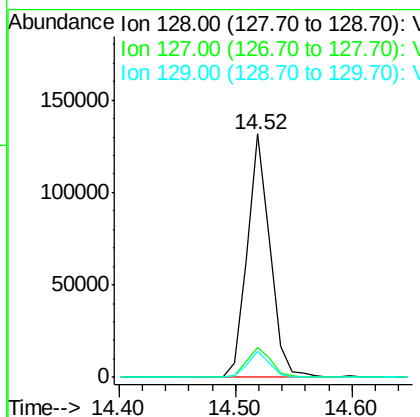
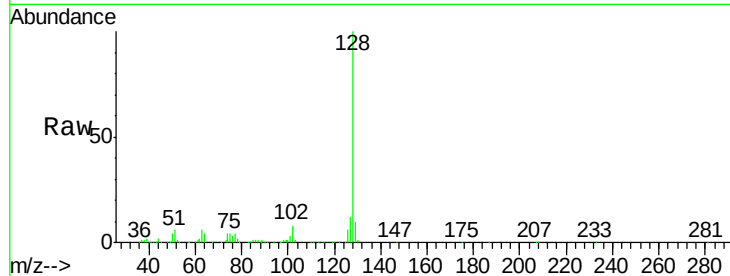
#95
Naphthalene
Concen: 22.17 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	179166		
127	12.5	10.2	15.2	
129	10.4	9.0	13.4	

Manual Integrations
APPROVED

apatel
7/23/2018 10:52:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 28.20 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059590.D
Acq: 20 Jul 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	99098		
182	95.2	48.8	146.4	
145	30.4	16.2	48.6	

