

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059588.D
 Acq On : 20 Jul 2018 17:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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apatel
 7/23/2018 10:51:59 AM

Quant Time: Jul 20 23:41:34 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	247696	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	361199	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	368350	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	227032	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	190376	49.42	ug/l	-0.03
Spiked Amount 50.000			Recovery =	98.84%		
35) Dibromofluoromethane	4.28	113	156638	50.07	ug/l	-0.03
Spiked Amount 50.000			Recovery =	100.14%		
50) Toluene-d8	7.70	98	380905	48.34	ug/l	-0.03
Spiked Amount 50.000			Recovery =	96.68%		
62) 4-Bromofluorobenzene	11.50	95	218991	52.98	ug/l	-0.02
Spiked Amount 50.000			Recovery =	105.96%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	142166	46.85	ug/l	99
3) Chloromethane	1.09	50	70943	42.48	ug/l	97
4) Vinyl Chloride	1.15	62	85557	50.78	ug/l	100
5) Bromomethane	1.33	94	64034	54.84	ug/l	99
6) Chloroethane	1.42	64	47186	55.54	ug/l #	86
7) Trichlorofluoromethane	1.48	101	187517m	45.48	ug/l	
8) Diethyl Ether	1.70	74	36936	46.55	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	113471	65.16	ug/l	98
10) Methyl Iodide	1.96	142	193870m	63.60	ug/l	
11) Tert butyl alcohol	2.67	59	43967	271.85	ug/l	97
12) 1,1-Dichloroethene	1.84	96	90375	48.80	ug/l	96
13) Acrolein	2.08	56	20081	304.59	ug/l	88
14) Allyl chloride	2.18	41	153952	66.61	ug/l	92
15) Acrylonitrile	3.08	53	82471	255.16	ug/l	92
16) Acetone	2.33	43	214514	388.04	ug/l #	91
17) Carbon Disulfide	1.83	76	216644	45.65	ug/l	99
18) Methyl Acetate	2.45	43	51732m	43.58	ug/l	
19) Methyl tert-butyl Ether	2.52	73	280878	48.35	ug/l	97
20) Methylene Chloride	2.27	84	88309	50.89	ug/l #	81
21) trans-1,2-Dichloroethene	2.41	96	86473	50.50	ug/l	89
22) Diisopropyl ether	2.92	45	306796	47.23	ug/l	98
23) Vinyl Acetate	3.32	43	941551	248.07	ug/l #	95
24) 1,1-Dichloroethane	2.99	63	208301	51.93	ug/l	99
25) 2-Butanone	4.50	43	219354	245.26	ug/l	99
26) 2,2-Dichloropropane	3.76	77	164443	61.97	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	110272	55.34	ug/l	92
28) Bromochloromethane	3.87	49	79858	45.23	ug/l #	96
29) Tetrahydrofuran	4.24	42	93011	256.07	ug/l	99
30) Chloroform	4.02	83	285702	49.31	ug/l	100
31) Cyclohexane	3.86	56	113651	54.70	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	237311	63.02	ug/l	99
36) 1,1-Dichloropropene	4.45	75	173708	48.05	ug/l	98
37) Ethyl Acetate	4.27	43	94730	48.47	ug/l #	1
38) Carbon Tetrachloride	4.16	117	250610m	60.49	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	142577	51.96	ug/l	94
40) Benzene	4.80	78	325939	46.47	ug/l	98
41) Methacrylonitrile	4.90	41	47542	45.86	ug/l #	85
42) 1,2-Dichloroethane	5.12	62	217409	47.19	ug/l	95
43) Isopropyl Acetate	7.10	43	126588	48.73	ug/l	95
44) Trichloroethene	5.67	130	121126	46.65	ug/l	99
45) 1,2-Dichloropropane	6.40	63	90670	46.57	ug/l	89
46) Dibromomethane	6.24	93	87177	49.17	ug/l	94
47) Bromodichloromethane	6.54	83	222964	48.86	ug/l	95
48) Methyl methacrylate	6.86	41	83776	45.15	ug/l	97
49) 1,4-Dioxane	6.85	88	10361	1268.52	ug/l #	80
51) 4-Methyl-2-Pentanone	8.40	43	457347	248.35	ug/l	98
52) Toluene	7.77	92	249768	49.10	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	208330	49.63	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	207354	49.61	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	102800	52.16	ug/l	93
56) Ethyl methacrylate	8.75	69	123493	50.52	ug/l	94
57) 1,3-Dichloropropane	8.99	76	169937	48.76	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	54097	250.69	ug/l	100
59) 2-Hexanone	9.62	43	349370	251.03	ug/l	99
60) Dibromochloromethane	8.85	129	170021	51.19	ug/l	100
61) 1,2-Dibromoethane	9.13	107	124648	50.97	ug/l	97
64) Tetrachloroethene	8.30	164	125929	45.91	ug/l	97
65) Chlorobenzene	9.94	112	340802	49.33	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	148265	47.12	ug/l	100
67) Ethyl Benzene	10.04	91	573753	46.66	ug/l	99
68) m/p-Xylenes	10.26	106	423824	97.65	ug/l	98
69) o-Xylene	10.82	106	233189	50.46	ug/l	94
70) Styrene	10.89	104	351192	49.44	ug/l	98
71) Bromoform	10.88	173	108541	49.66	ug/l	98
73) Isopropylbenzene	11.22	105	704912	49.20	ug/l	99
74) N-amyl acetate	11.45	43	205467	44.78	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	154458	49.43	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	120914	47.39	ug/l	96
77) Bromobenzene	11.59	156	194399	48.41	ug/l	98
78) n-propylbenzene	11.68	91	806342	49.07	ug/l	98
79) 2-Chlorotoluene	11.81	91	500925	49.49	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	616248	51.34	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	59396m	50.96	ug/l	
82) 4-Chlorotoluene	11.99	91	550003	48.49	ug/l	94
83) tert-Butylbenzene	12.21	119	595551	51.69	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	630232	51.03	ug/l	99
85) sec-Butylbenzene	12.38	105	772076	52.69	ug/l	98
86) p-Isopropyltoluene	12.53	119	677683	53.16	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	339005	49.21	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	334101	49.22	ug/l	97
89) n-Butylbenzene	12.91	91	665265	55.76	ug/l	96
90) Hexachloroethane	12.99	117	165270	57.07	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	330037	50.09	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	34770	49.12	ug/l	73

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VSTDCCC050

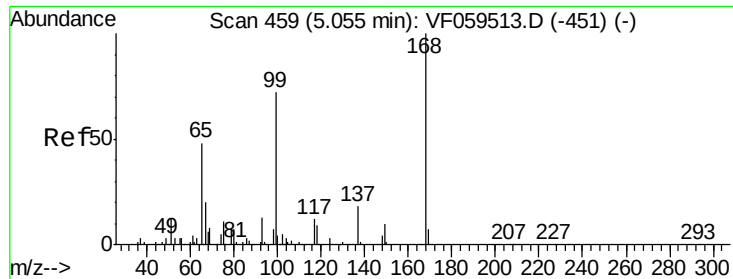
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	242689	60.62	ug/l	96
94) Hexachlorobutadiene	14.25	225	154950	75.55	ug/l	94
95) Naphthalene	14.52	128	500132	60.13	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	233326	64.50	ug/l	96

(#) = 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

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Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 247696

Ion Ratio Lower Upper

168 100

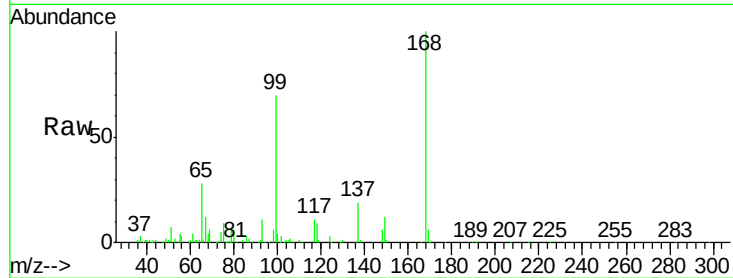
99 69.7 57.6 86.4

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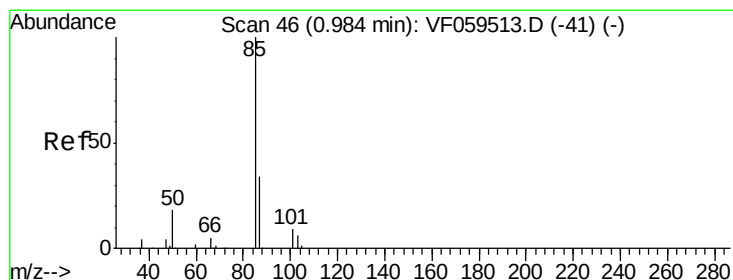
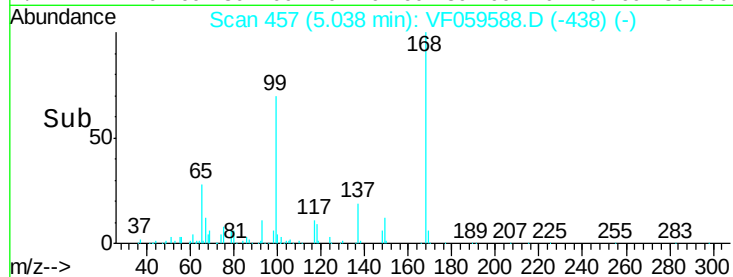
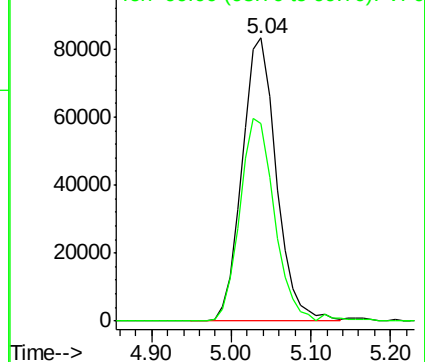
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 46.85 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059588.D

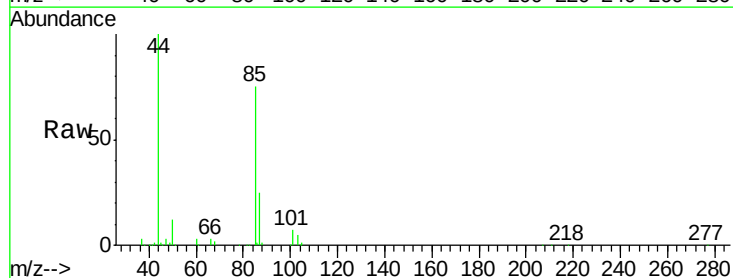
Acq: 20 Jul 2018 17:45

Tgt Ion: 85 Resp: 142166

Ion Ratio Lower Upper

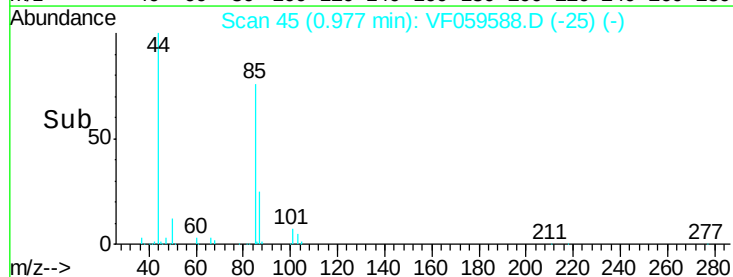
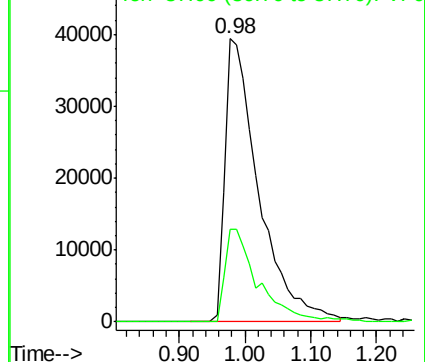
85 100

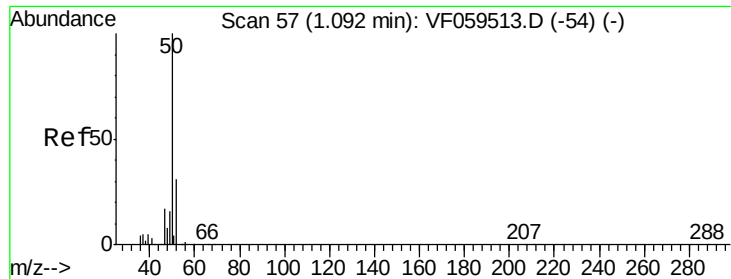
87 32.9 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 42.48 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 70943

Ion Ratio Lower Upper

50 100

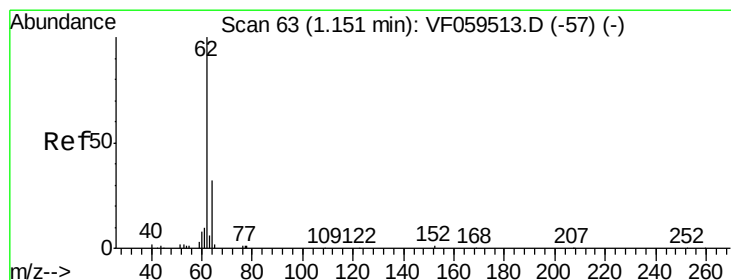
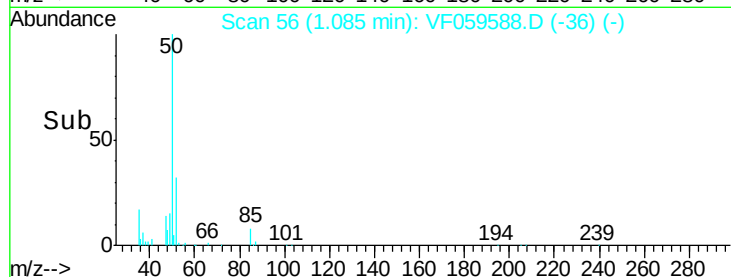
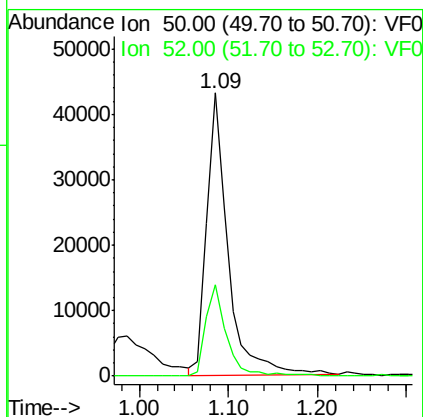
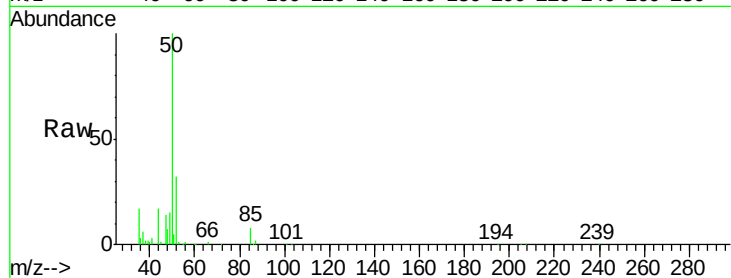
52 32.5 24.6 37.0

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#4

Vinyl Chloride

Concen: 50.78 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059588.D

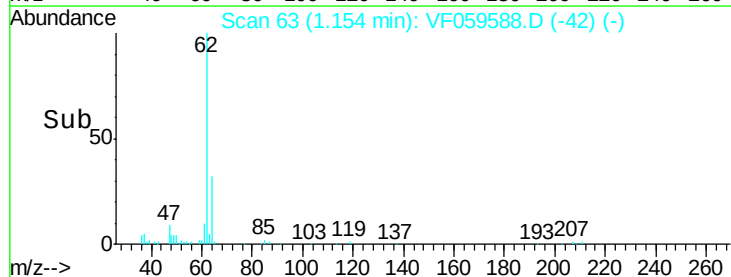
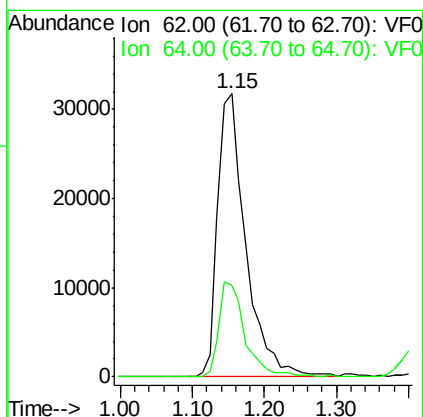
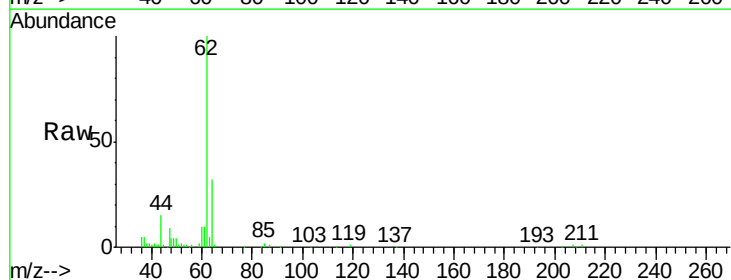
Acq: 20 Jul 2018 17:45

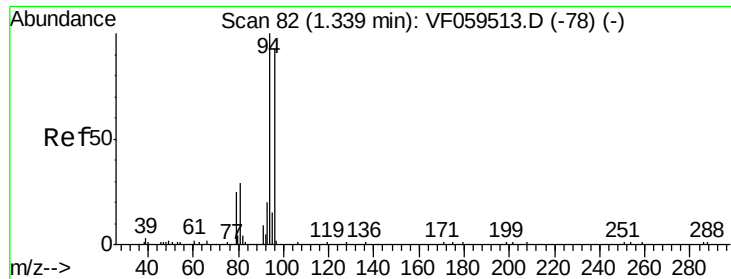
Tgt Ion: 62 Resp: 85557

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 54.84 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 64034

Ion Ratio Lower Upper

94 100

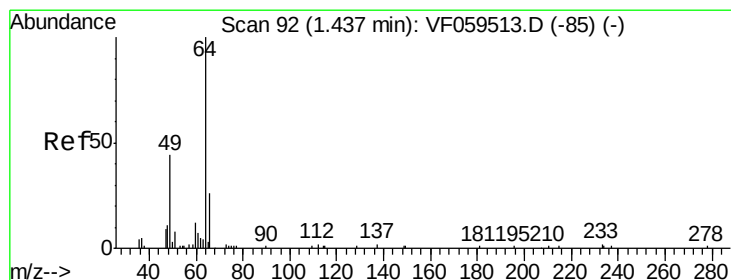
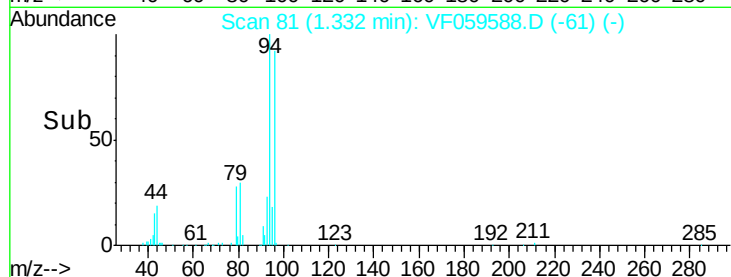
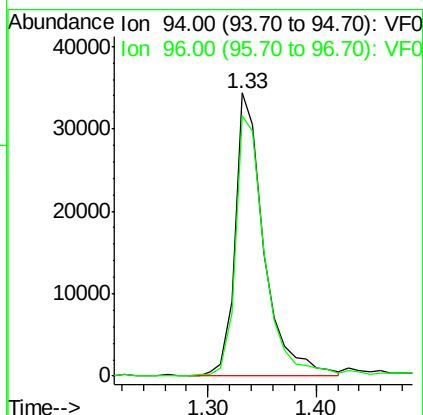
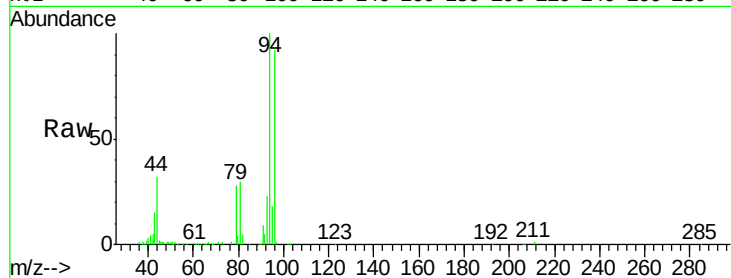
96 92.2 74.2 111.2

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#6

Chloroethane

Concen: 55.54 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059588.D

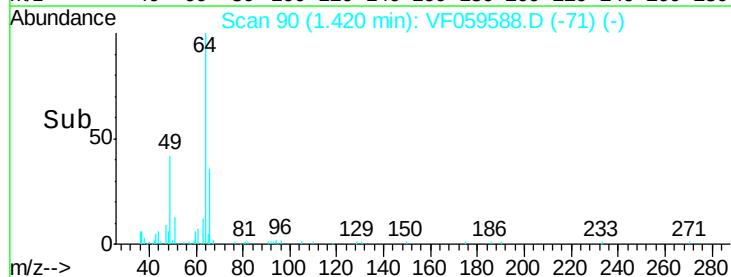
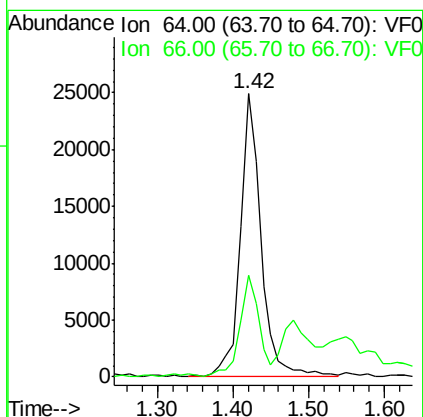
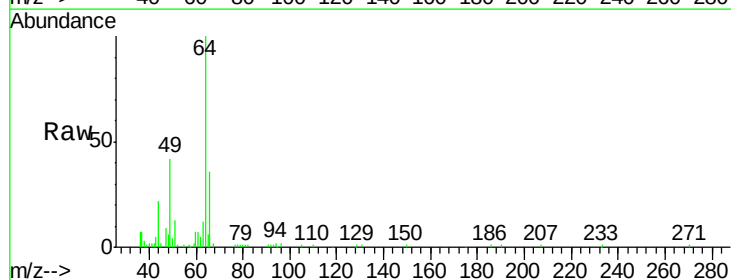
Acq: 20 Jul 2018 17:45

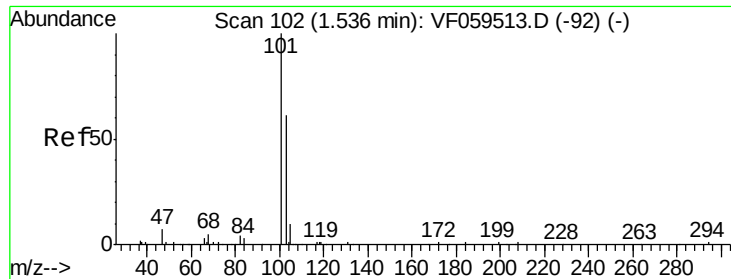
Tgt Ion: 64 Resp: 47186

Ion Ratio Lower Upper

64 100

66 35.9 22.9 34.3#





#7

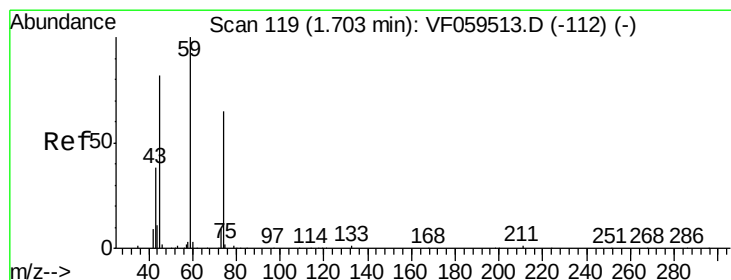
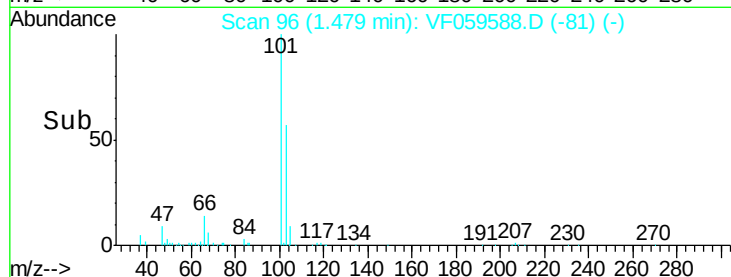
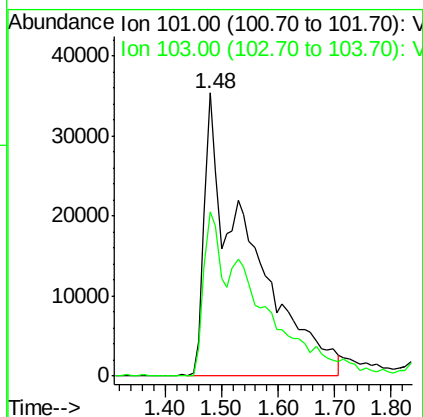
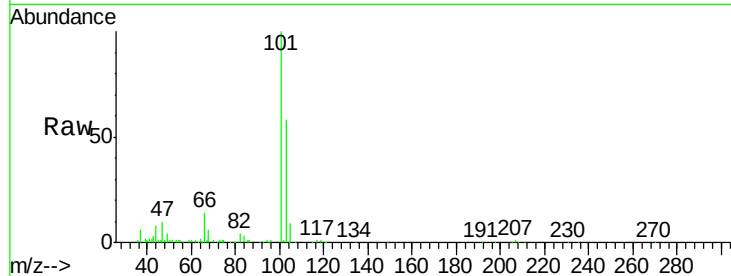
Trichlorofluoromethane
Concen: 45.48 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.06 min
Lab File: VF059588.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	57.9	48.6	72.8

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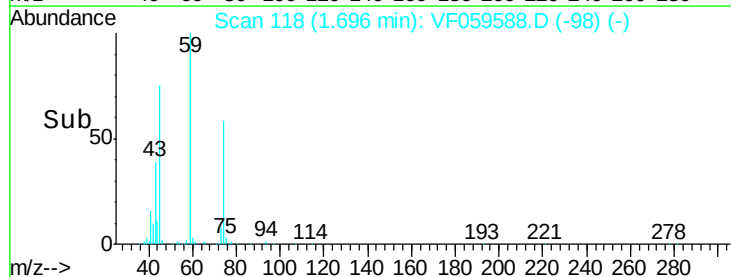
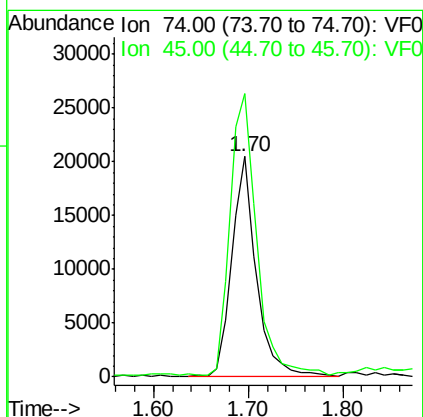
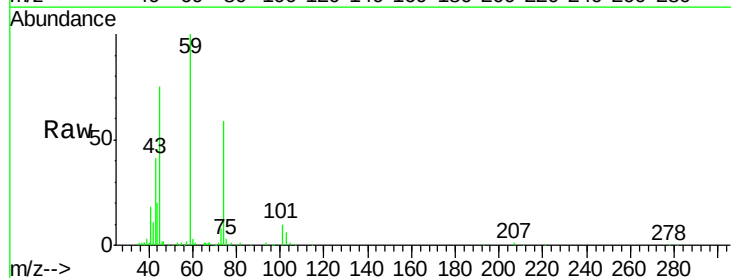
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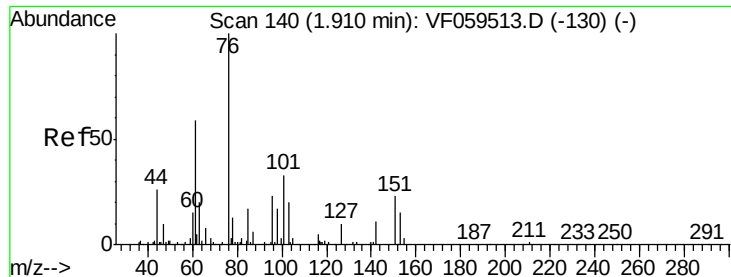


#8

Diethyl Ether
Concen: 46.55 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.5	63.6	190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 65.16 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059588.D

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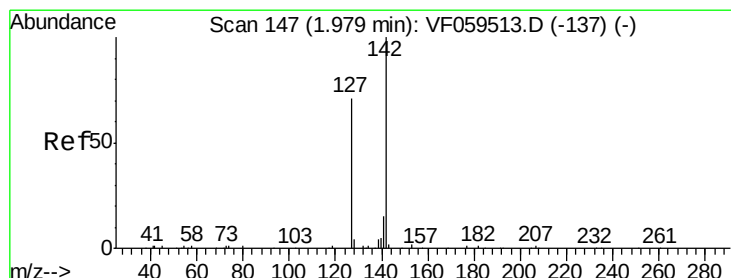
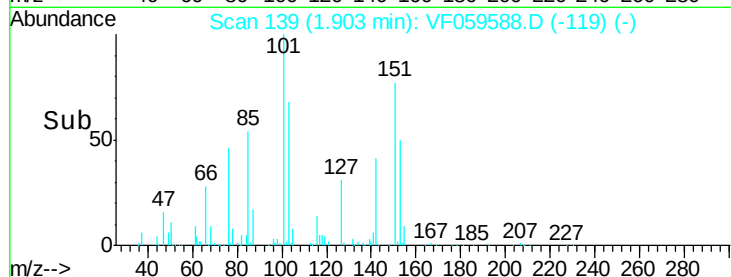
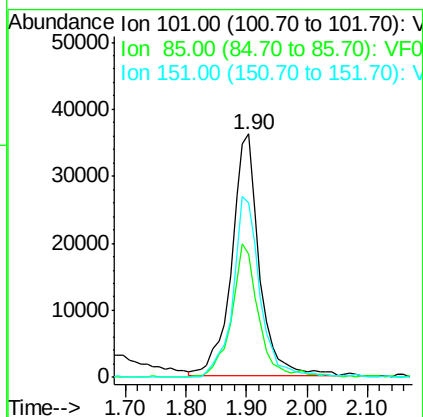
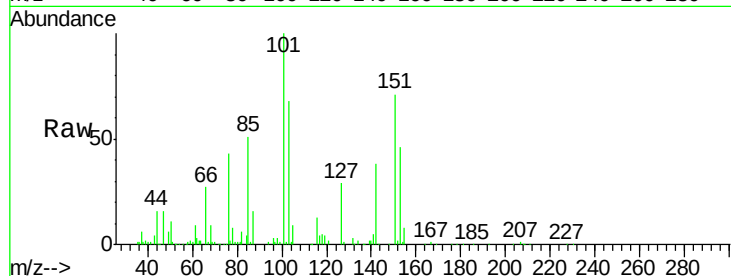
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	113471
Ion Ratio	Lower	Upper	
101	100		
85	49.8	39.8	59.6
151	70.5	54.2	81.2

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#10

Methyl Iodide

Concen: 63.60 ug/l m

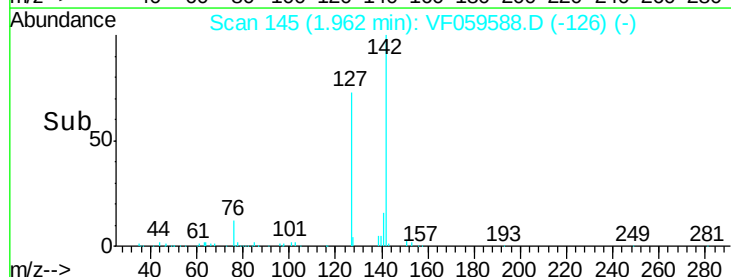
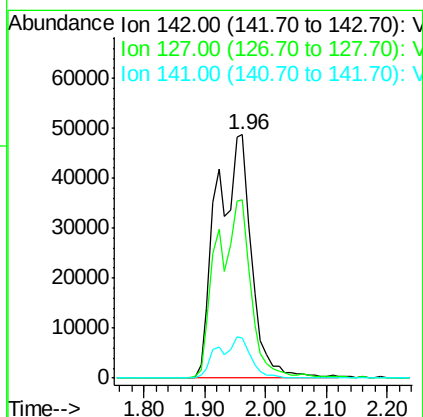
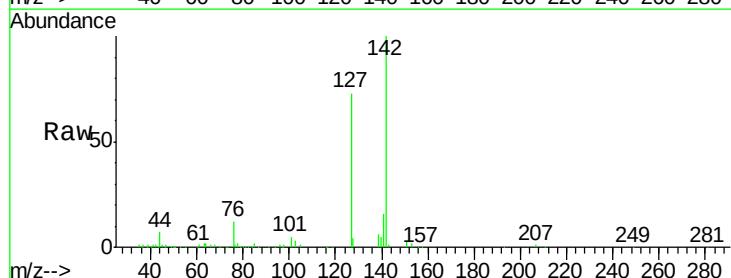
RT: 1.96 min Scan# 145

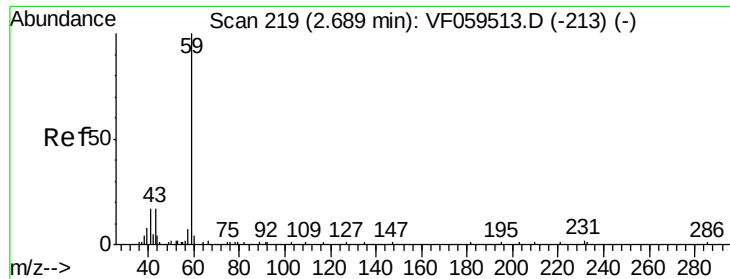
Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tgt Ion:	142	Resp:	193870
Ion Ratio	Lower	Upper	
142	100		
127	73.0	56.4	84.6
141	16.4	12.0	18.0





#11

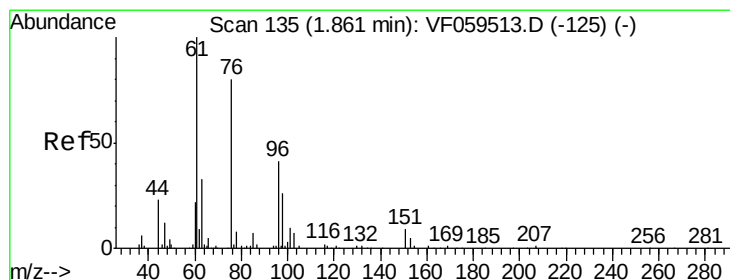
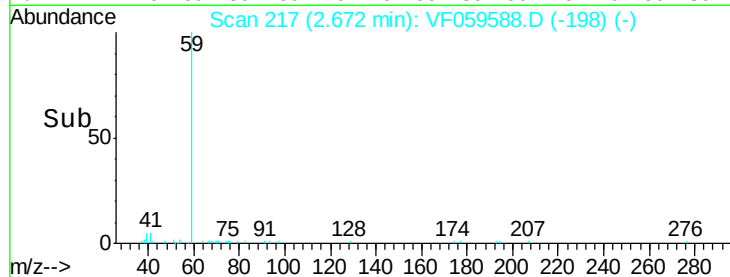
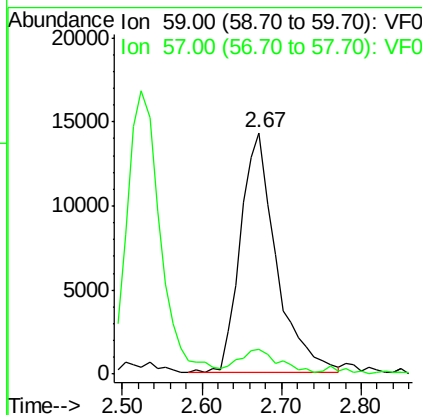
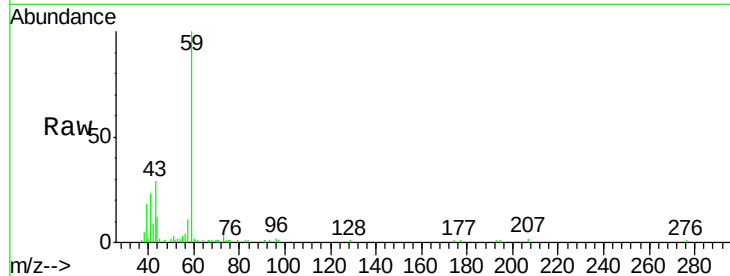
Tert butyl alcohol
Concen: 271.85 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.7	11.5

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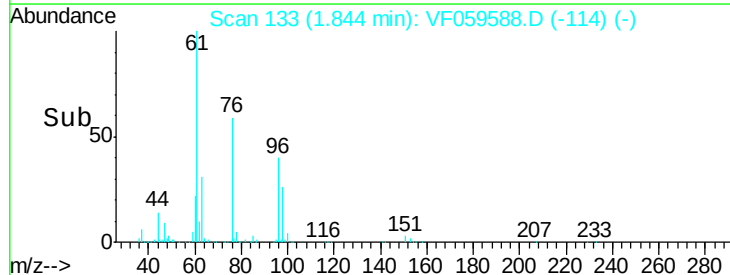
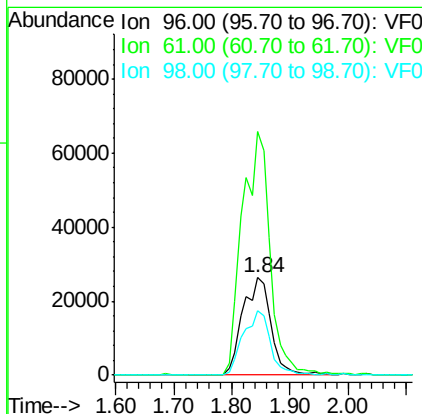
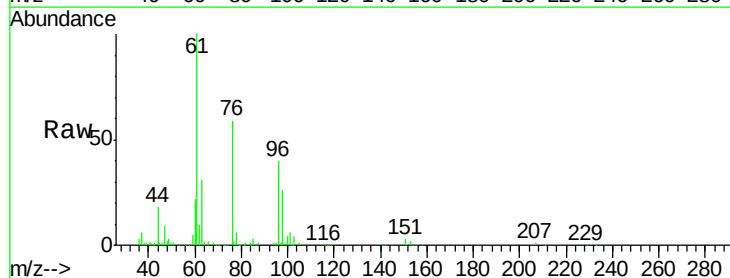
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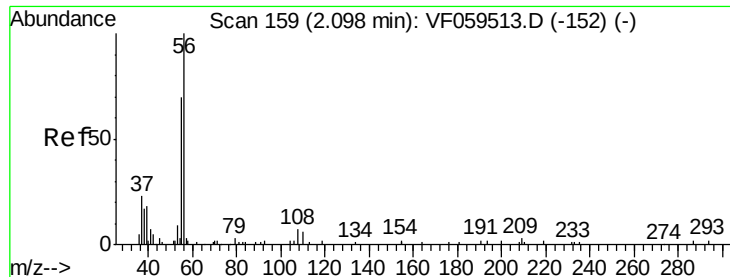


#12

1,1-Dichloroethene
Concen: 48.80 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	250.7	194.3	291.5
98	66.1	50.3	75.5





#13

Acrolein

Concen: 304.59 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.02 min

Lab File: VF059588.D

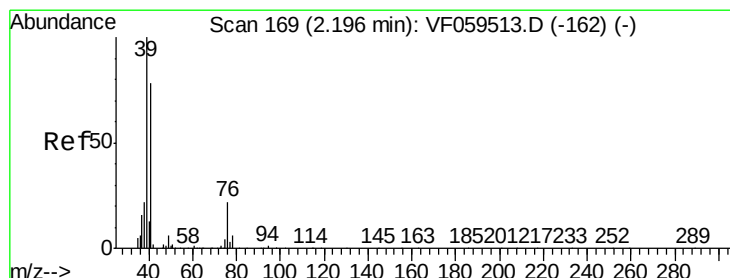
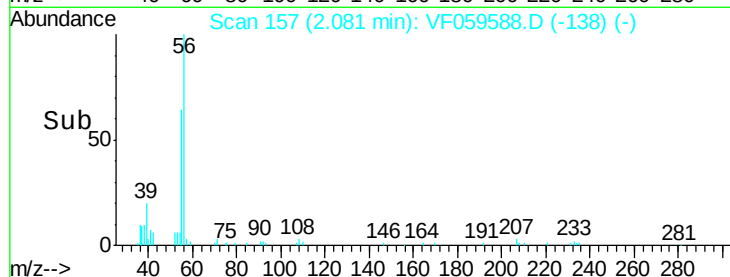
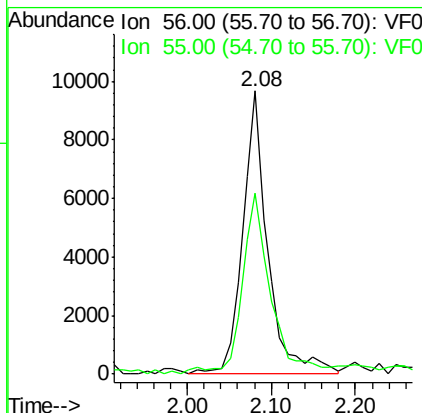
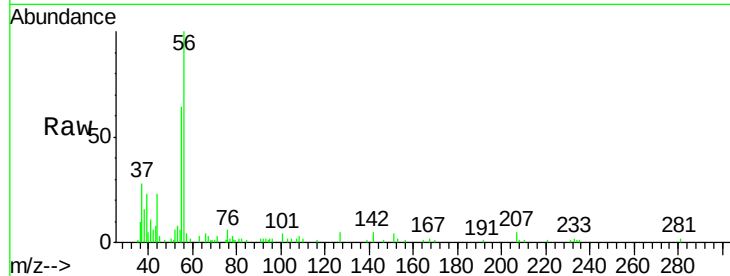
Acq: 20 Jul 2018 17:45

Tot Ion	Ratio	Lower	Upper
56	100		
55	64.2	59.4	89.2

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#14

Allyl chloride

Concen: 66.61 ug/l

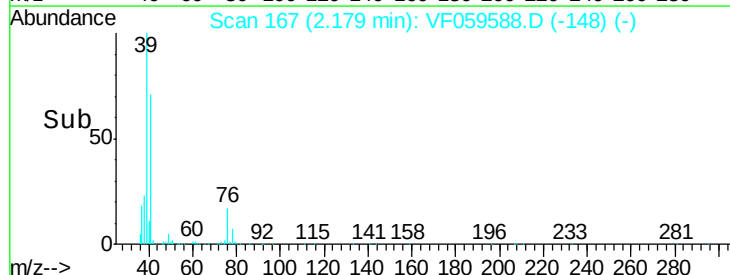
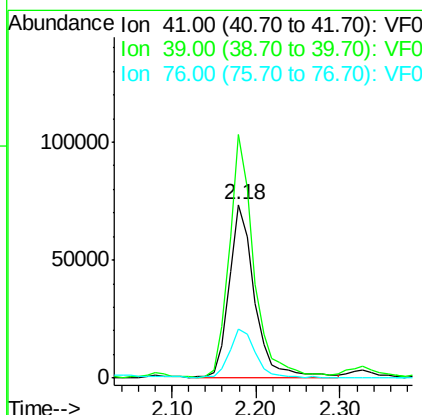
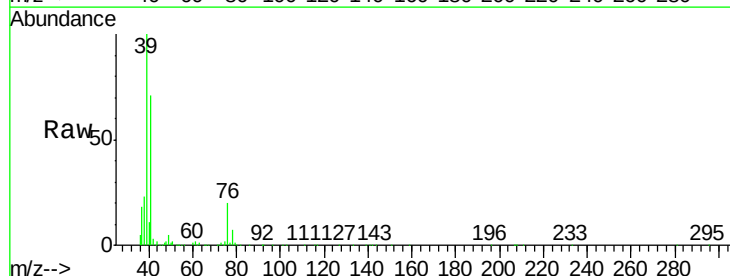
RT: 2.18 min Scan# 167

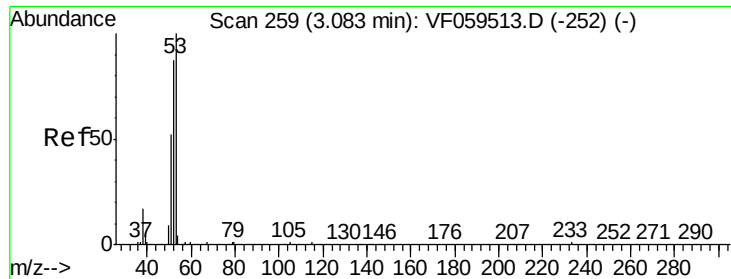
Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
41	100		
39	140.5	103.0	154.4
76	27.9	22.6	34.0





#15

Acrylonitrile

Concen: 255.16 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

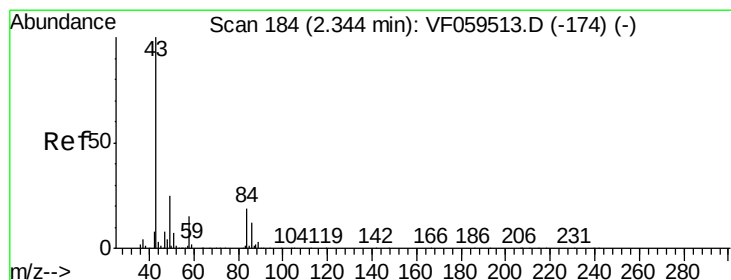
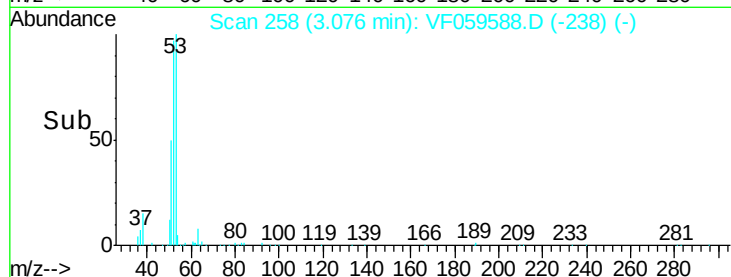
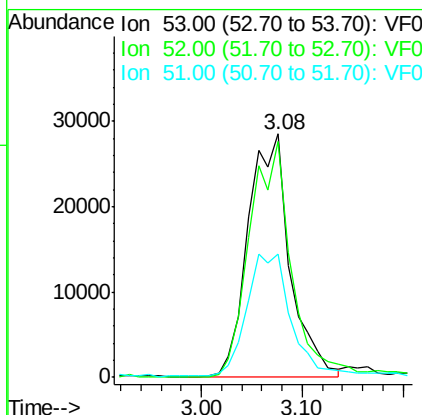
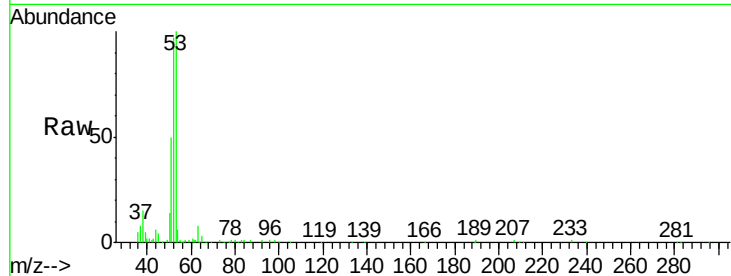
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	82471
Ion Ratio	Lower	Upper	
53	100		
52	96.7	70.1	105.1
51	50.4	42.5	63.7

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#16

Acetone

Concen: 388.04 ug/l

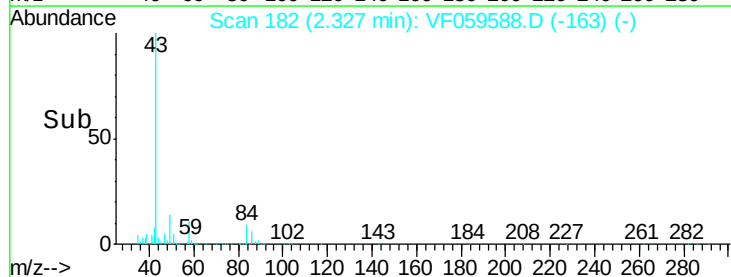
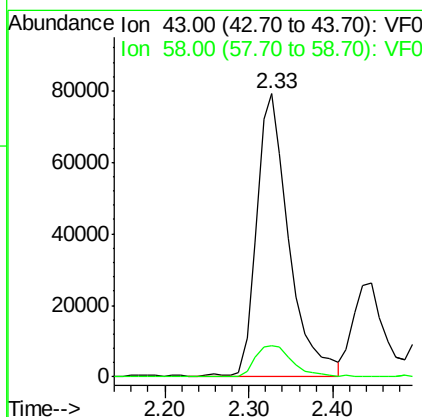
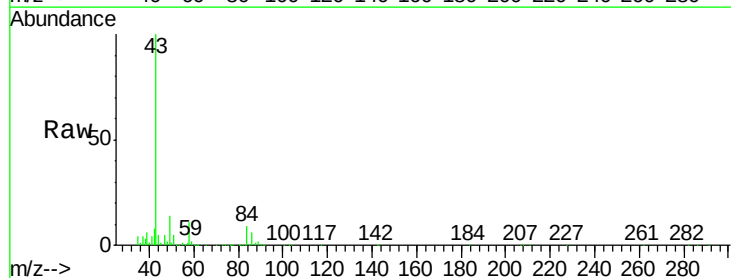
RT: 2.33 min Scan# 182

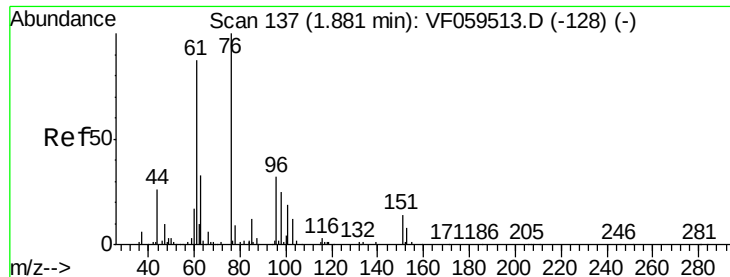
Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tgt Ion:	43	Resp:	214514
Ion Ratio	Lower	Upper	
43	100		
58	11.1	11.8	17.6#





#17

Carbon Disulfide

Concen: 45.65 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.05 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 216644

Ion Ratio Lower Upper

76 100

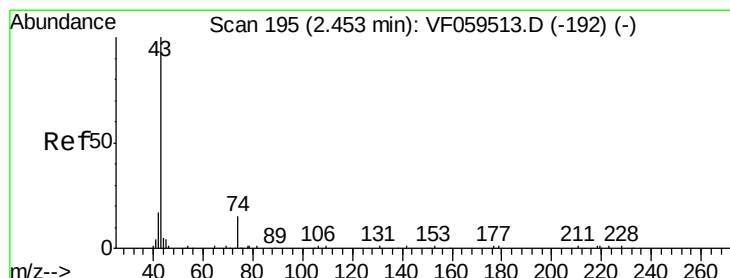
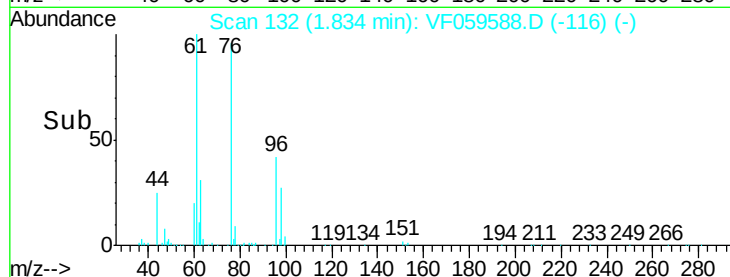
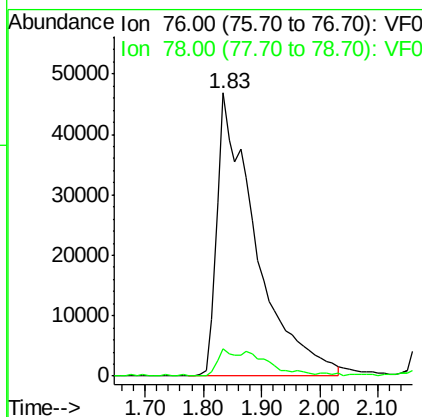
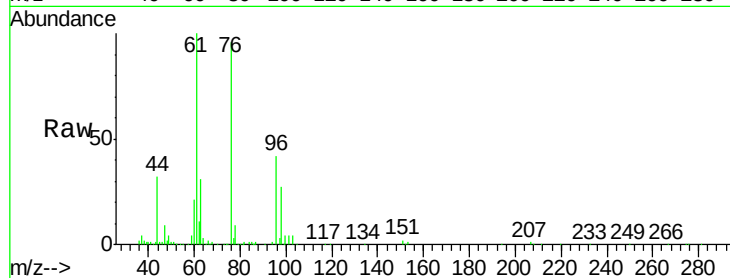
78 9.5 7.8 11.6

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#18

Methyl Acetate

Concen: 43.58 ug/l m

RT: 2.45 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059588.D

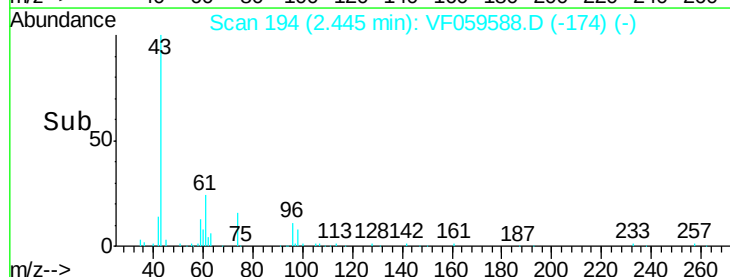
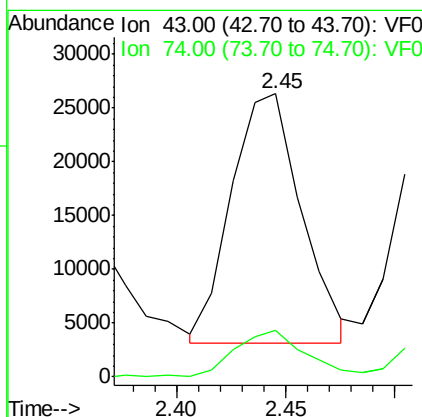
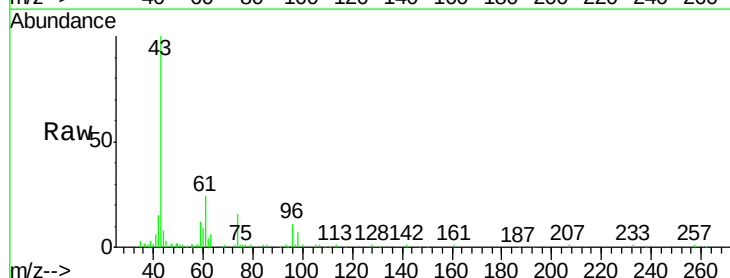
Acq: 20 Jul 2018 17:45

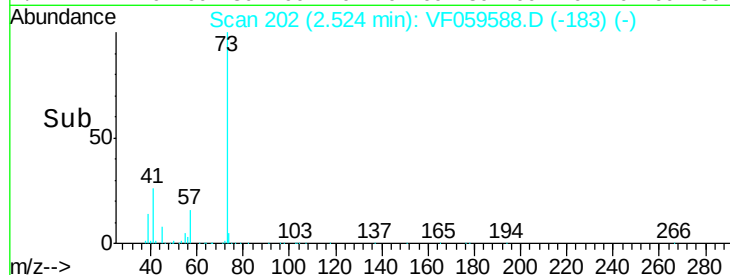
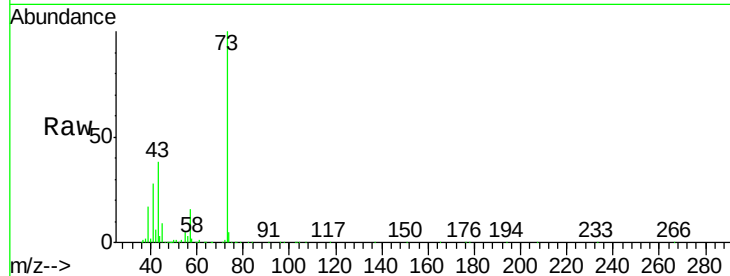
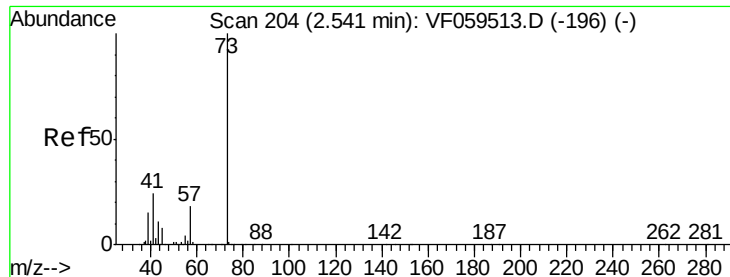
Tgt Ion: 43 Resp: 51732

Ion Ratio Lower Upper

43 100

74 16.4 10.6 15.8#





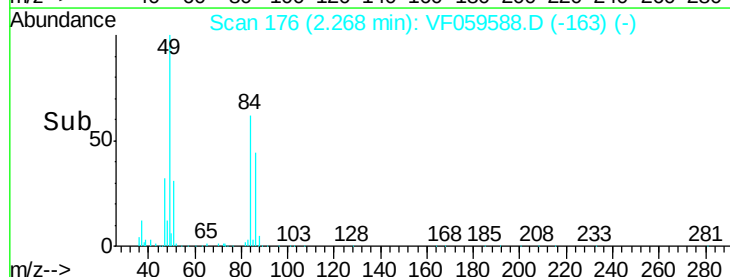
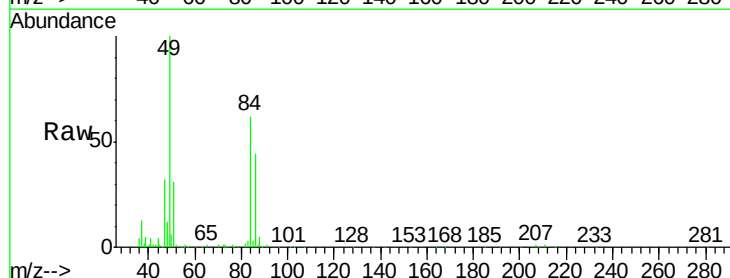
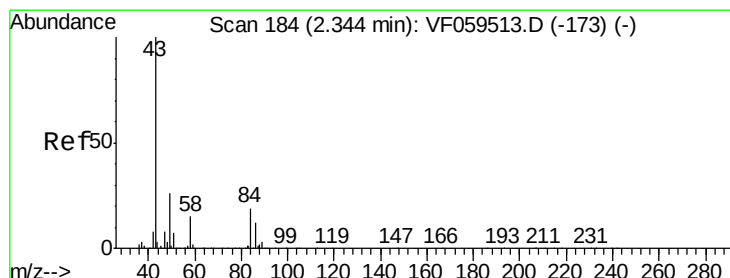
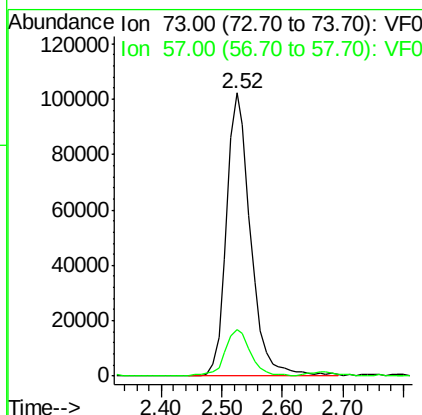
#19
Methyl tert-butyl Ether
Concen: 48.35 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.5	14.3	21.5

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

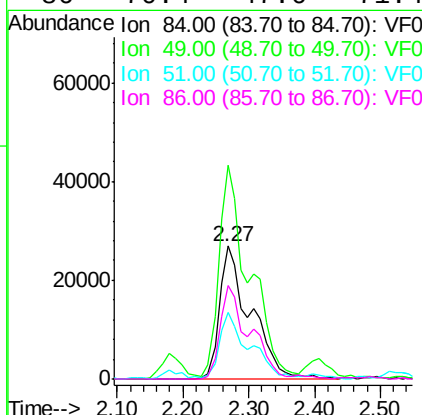
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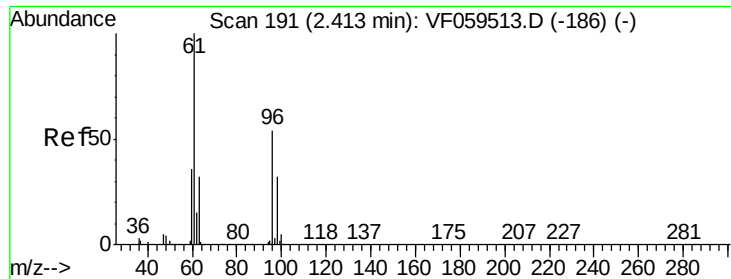
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#20
Methylene Chloride
Concen: 50.89 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.08 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	161.2	109.4	164.2
51	49.8	30.5	45.7
86	70.4	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 50.50 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

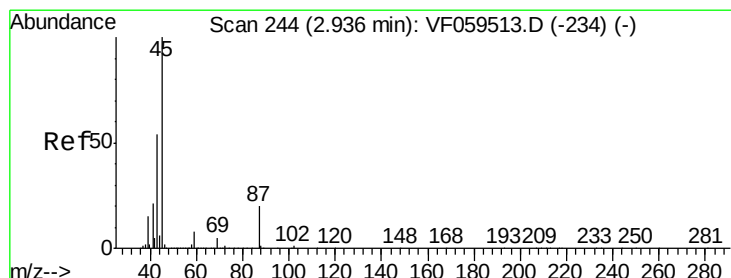
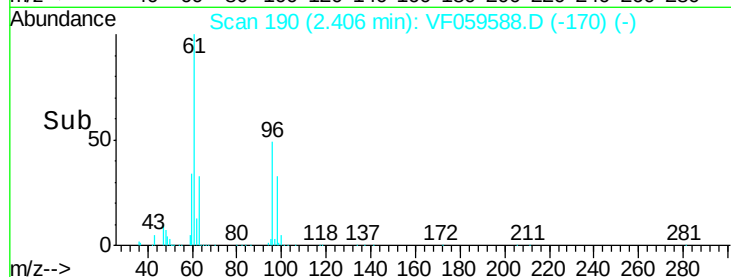
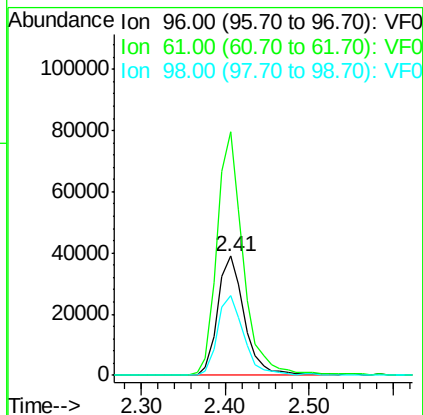
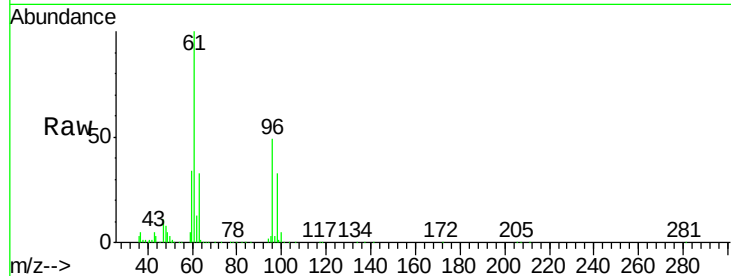
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	86473
Ion	Ratio	Lower	Upper
96	100		
61	204.2	149.8	224.8
98	67.3	47.8	71.8

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#22

Diisopropyl ether

Concen: 47.23 ug/l

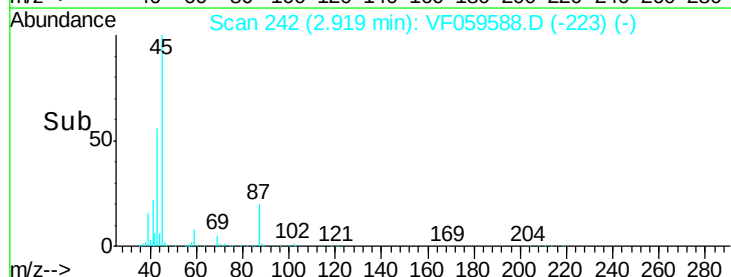
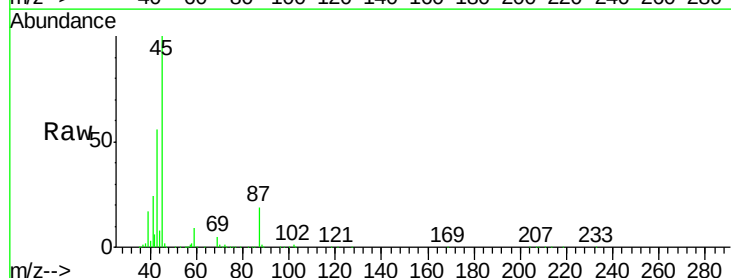
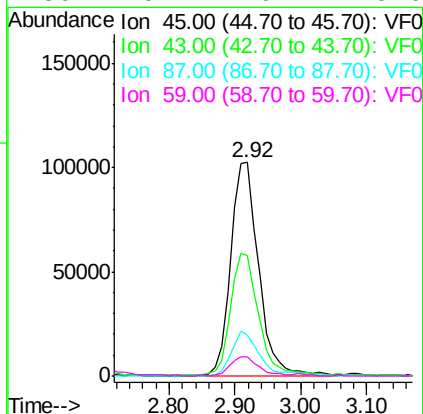
RT: 2.92 min Scan# 242

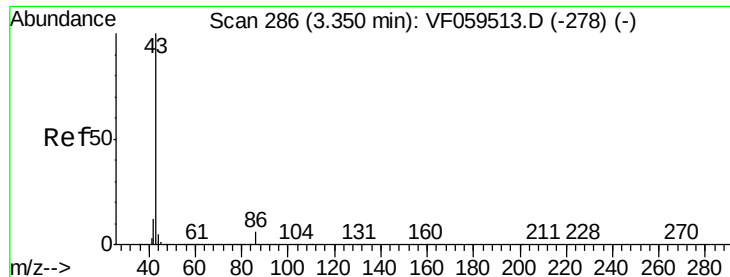
Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tgt Ion:	45	Resp:	306796
Ion	Ratio	Lower	Upper
45	100		
43	56.4	43.6	65.4
87	19.5	15.6	23.4
59	9.1	6.4	9.6





#23

Vinyl Acetate

Concen: 248.07 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.03 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 941551

Ion Ratio Lower Upper

43 100

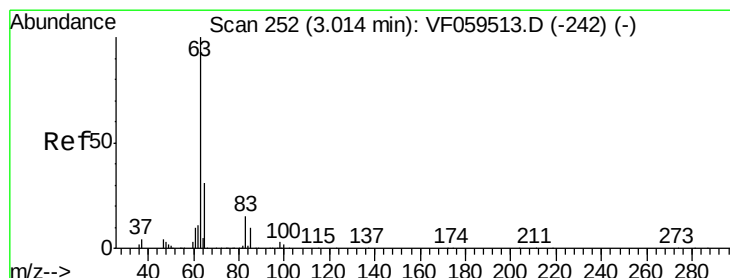
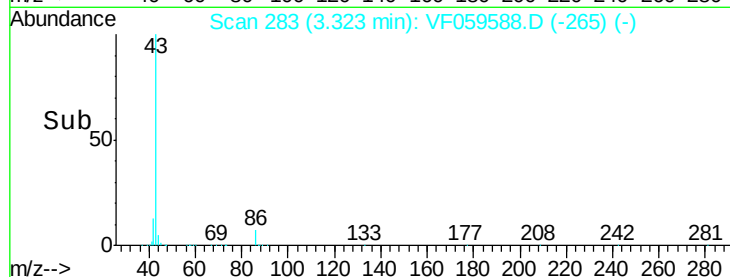
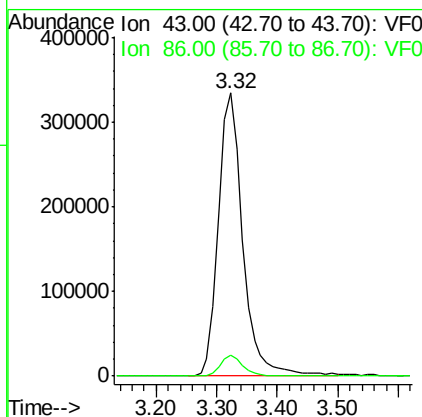
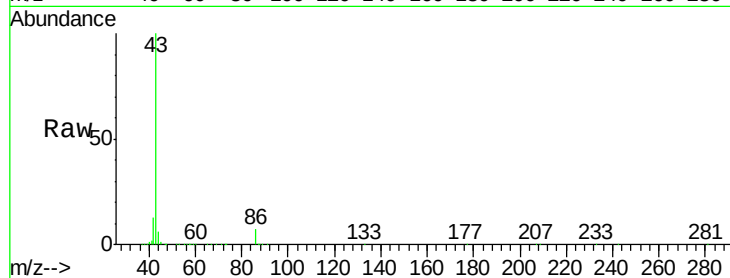
86 7.2 4.4 6.6#

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#24

1,1-Dichloroethane

Concen: 51.93 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.03 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

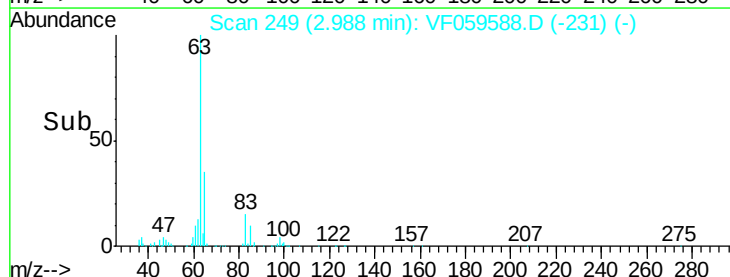
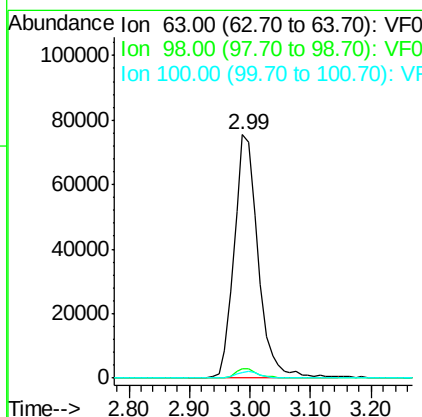
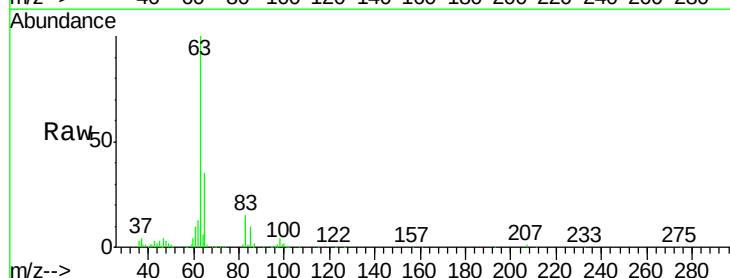
Tgt Ion: 63 Resp: 208301

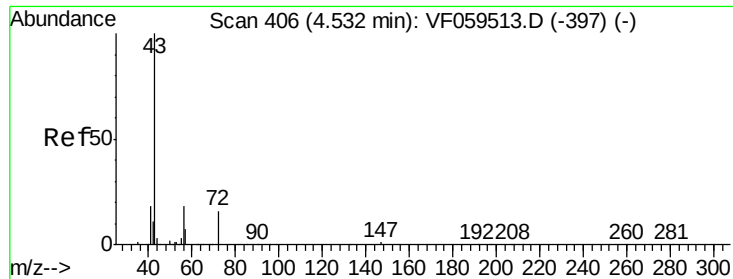
Ion Ratio Lower Upper

63 100

98 4.1 1.8 5.4

100 2.4 1.3 3.8





#25

2-Butanone

Concen: 245.26 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.04 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 219354

Ion Ratio Lower Upper

43 100

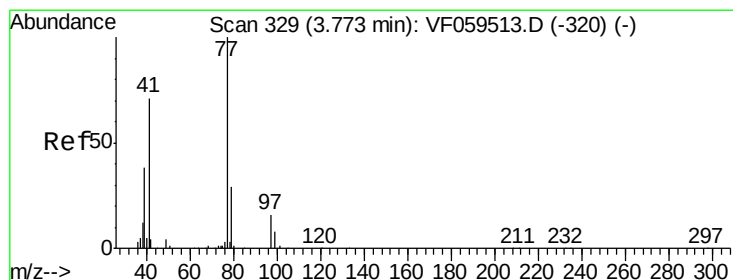
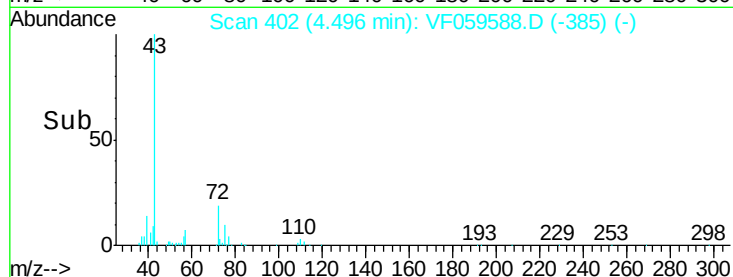
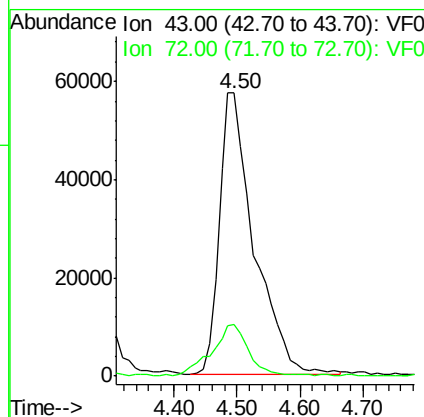
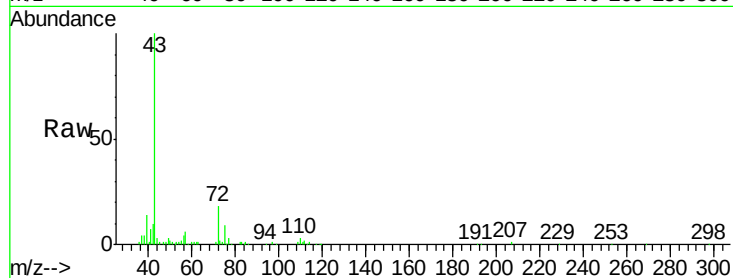
72 18.1 14.2 21.4

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#26

2,2-Dichloropropane

Concen: 61.97 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059588.D

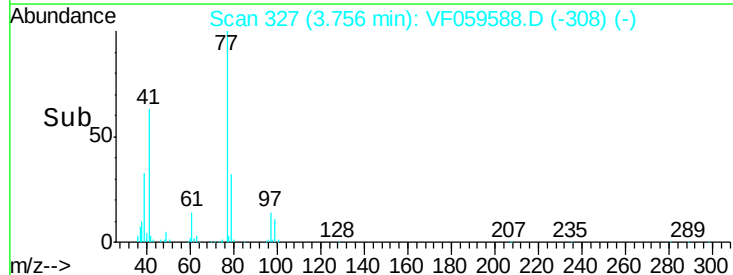
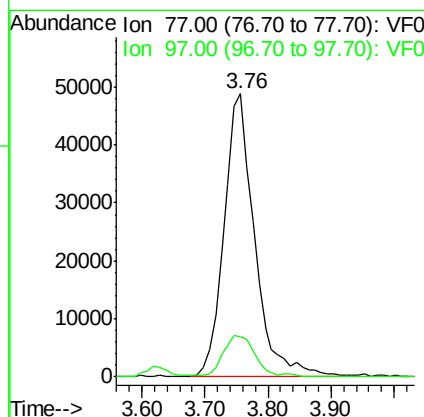
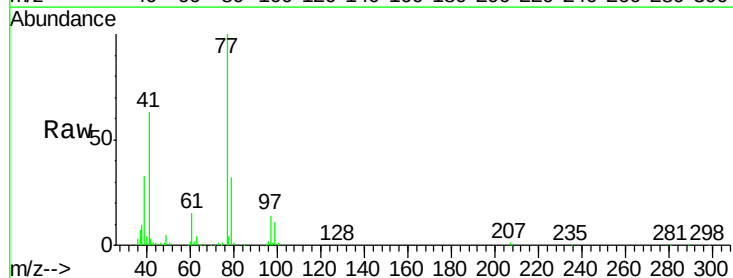
Acq: 20 Jul 2018 17:45

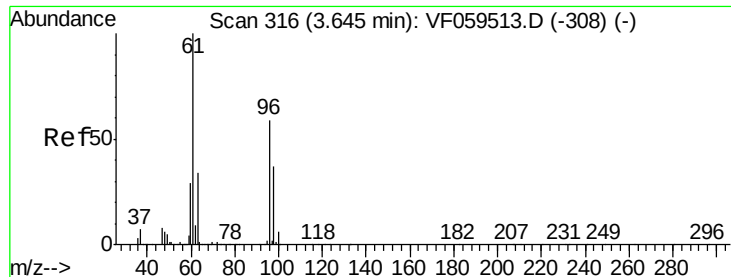
Tgt Ion: 77 Resp: 164443

Ion Ratio Lower Upper

77 100

97 14.1 8.1 24.3





#27

cis-1,2-Dichloroethene

Concen: 55.34 ug/l

RT: 3.63 min Scan# 314

Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

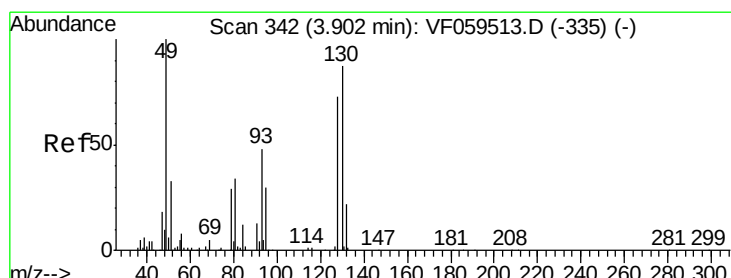
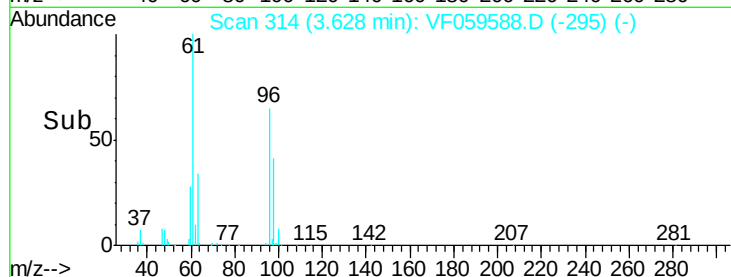
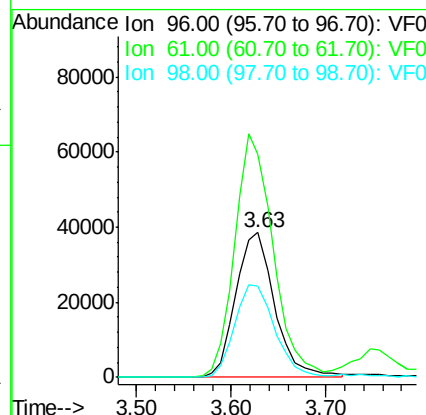
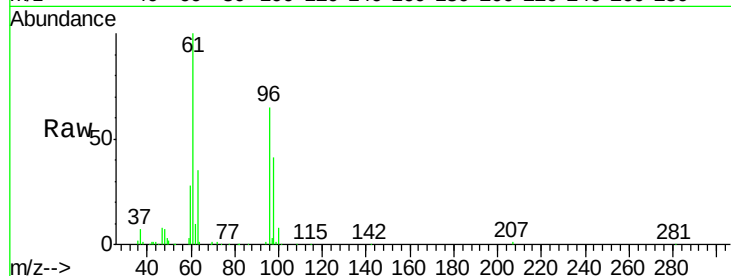
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	110272
Ion Ratio	Lower	Upper	
96	100		
61	154.0	0.0	339.0
98	62.8	0.0	125.4

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#28

Bromochloromethane

Concen: 45.23 ug/l

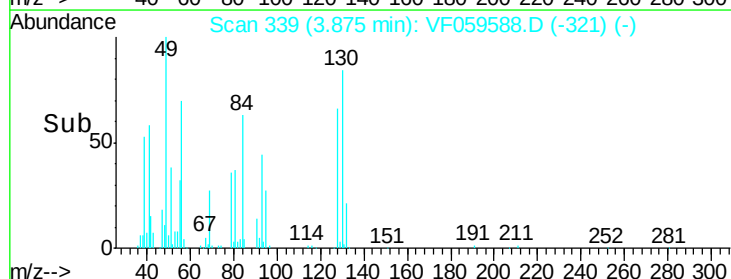
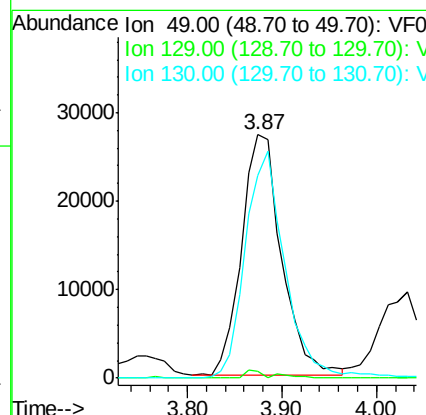
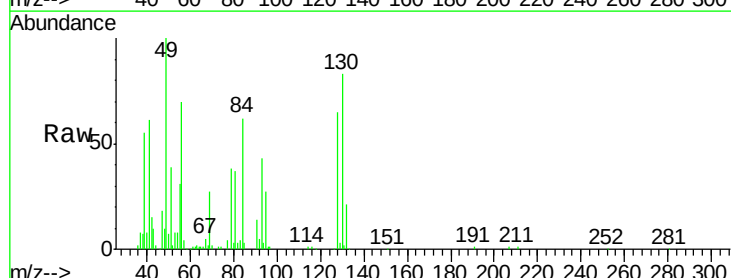
RT: 3.87 min Scan# 339

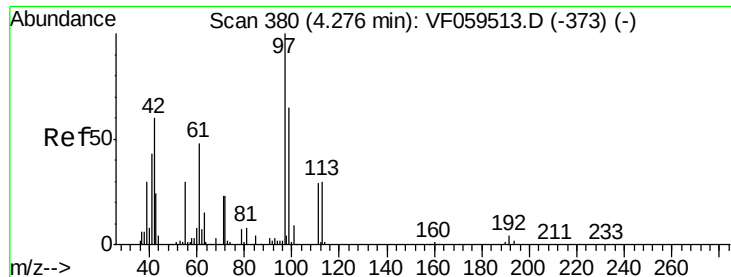
Delta R.T. -0.03 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tgt Ion:	49	Resp:	79858
Ion Ratio	Lower	Upper	
49	100		
129	2.7	0.0	0.0#
130	83.5	69.8	104.6





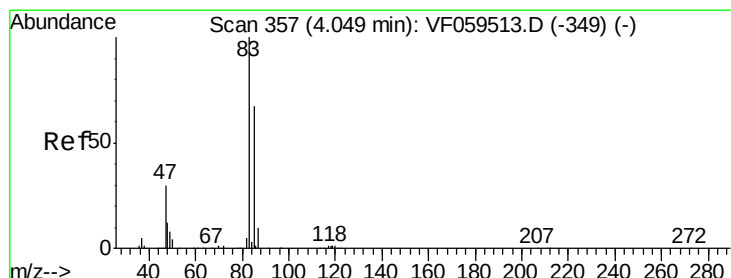
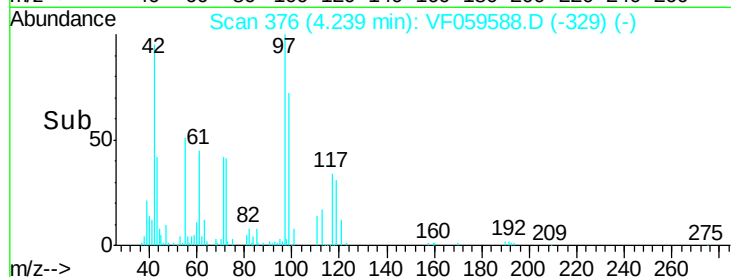
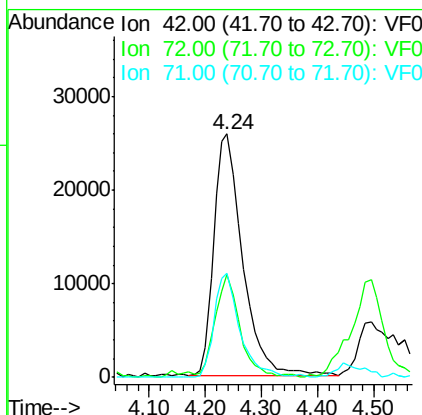
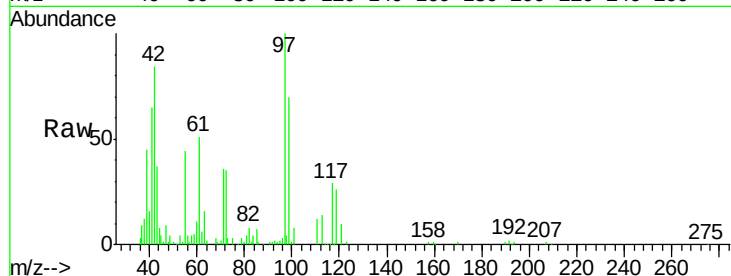
#29
Tetrahydrofuran
Concen: 256.07 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.04 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	28.7	43.1
71	38.3	30.8	46.2

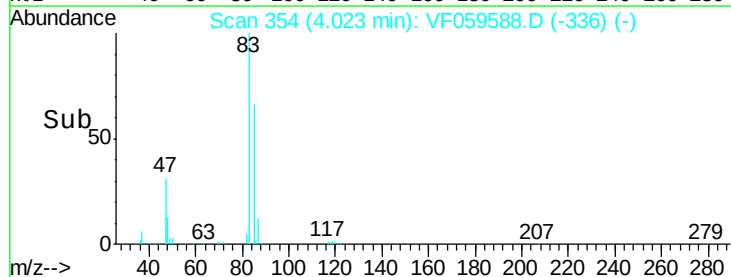
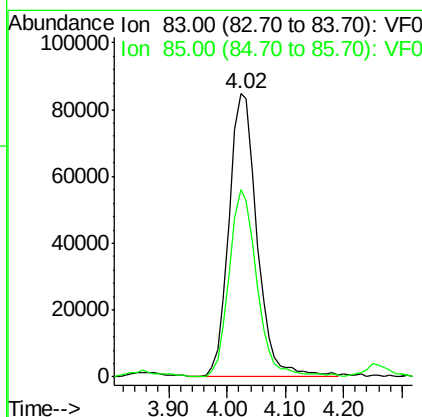
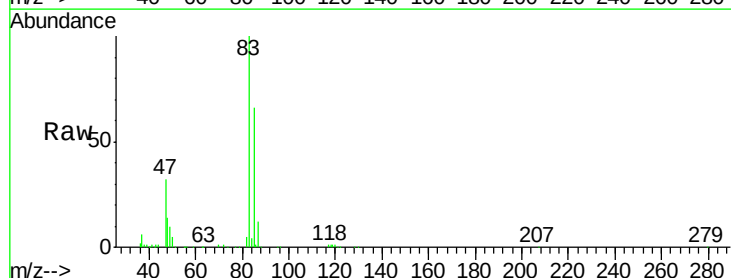
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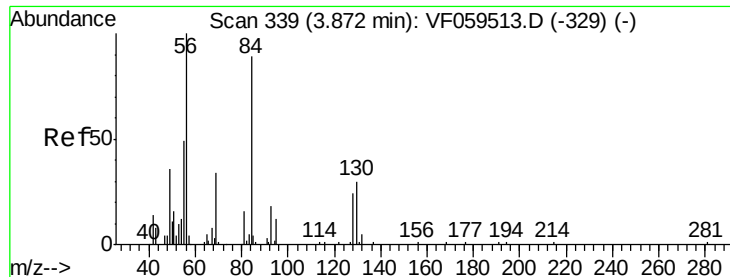
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#30
Chloroform
Concen: 49.31 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.2	79.8





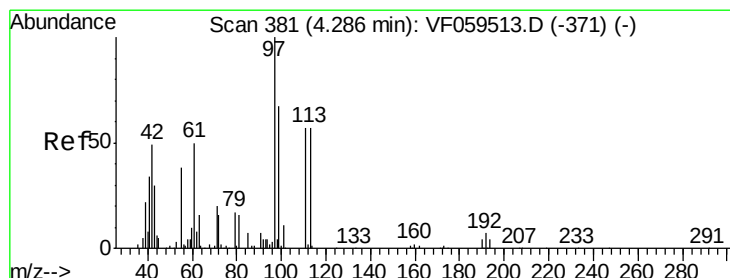
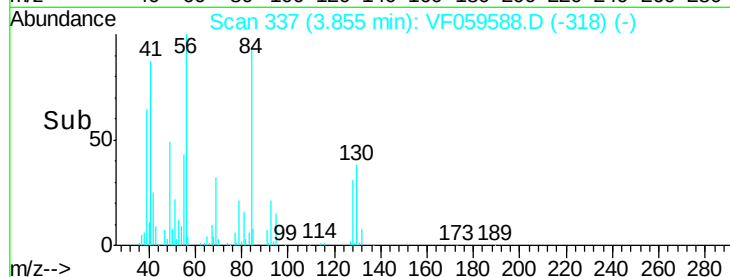
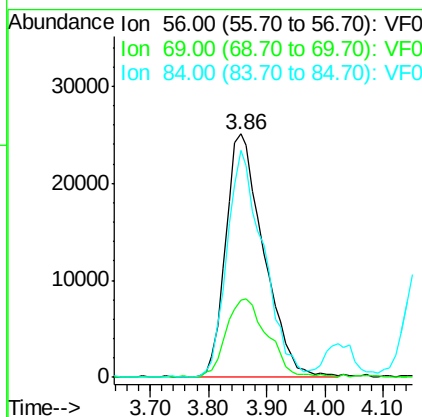
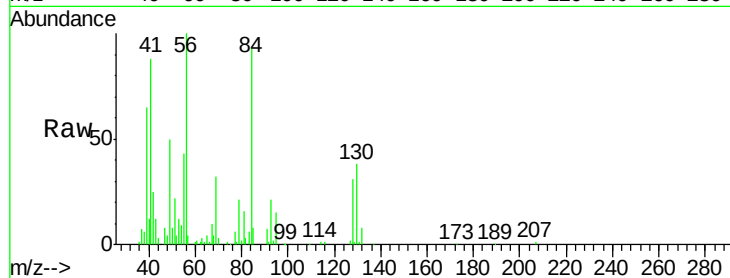
#31
Cyclohexane
Concen: 54.70 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	27.6	41.4
84	93.1	71.4	107.2

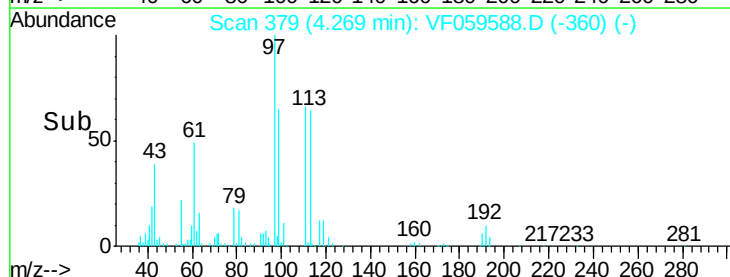
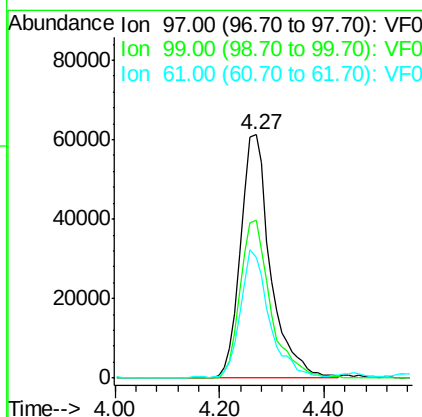
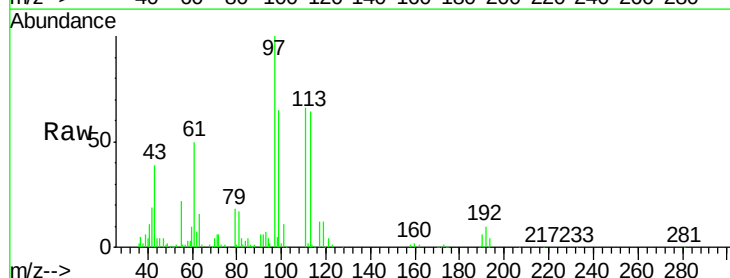
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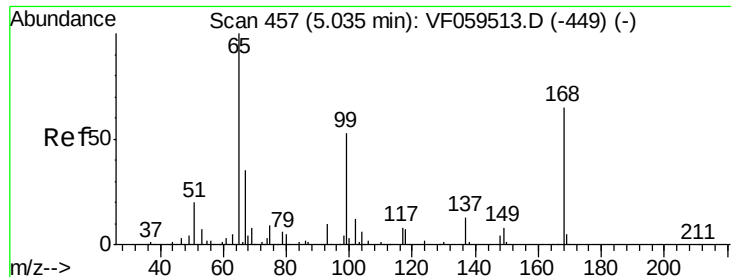
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#32
1,1,1-Trichloroethane
Concen: 63.02 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	53.5	80.3
61	49.7	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 49.42 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tot Ion: 65 Resp: 190376

Ion Ratio Lower Upper

65 100

67 41.5 0.0 91.2

Instrument :

MSVOA_F

ClientSampleId :

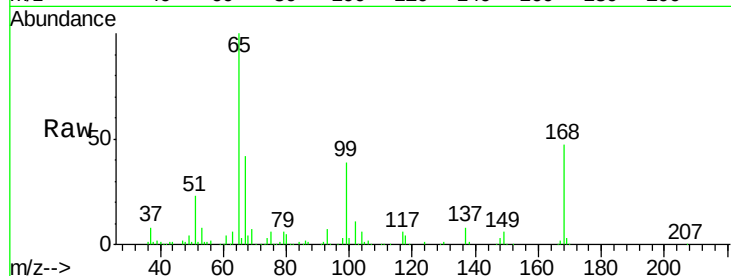
VSTDCCC050

Manual Integrations

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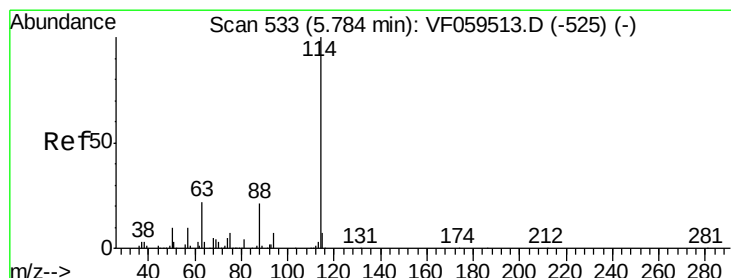
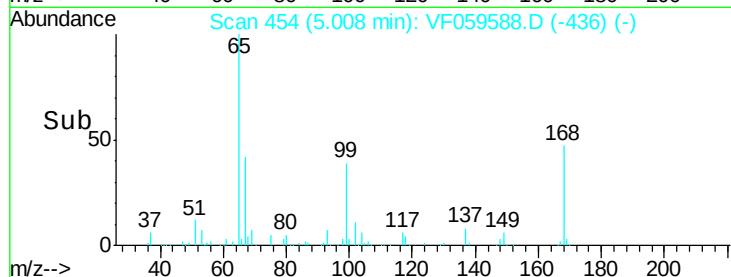
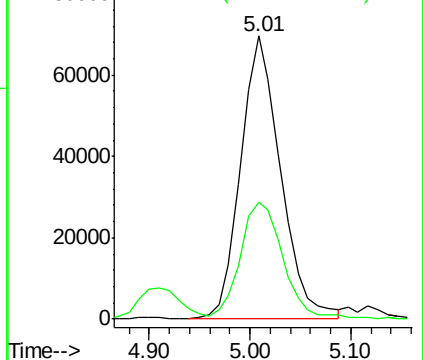
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.03 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

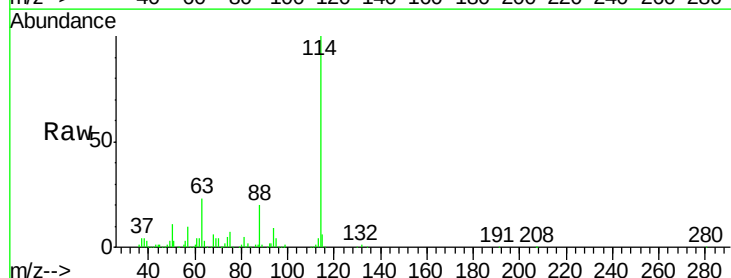
Tgt Ion: 114 Resp: 361199

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.8

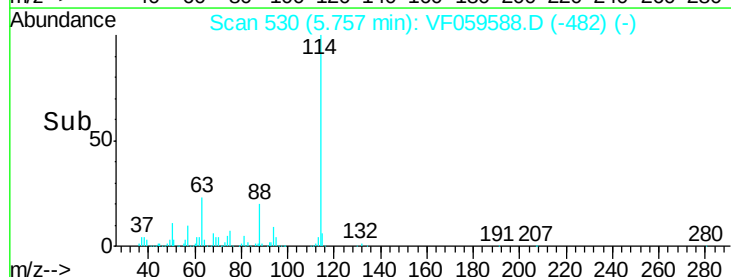
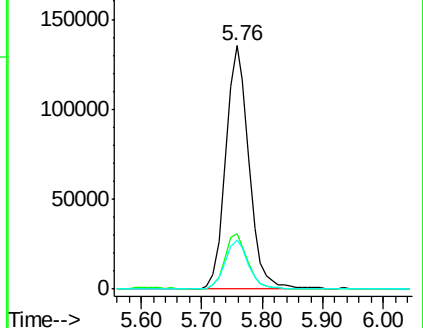
88 20.1 0.0 42.6

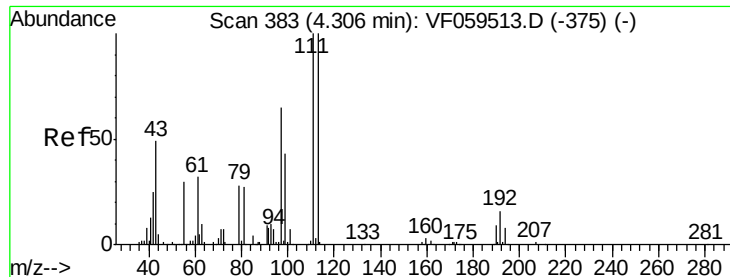


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.07 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

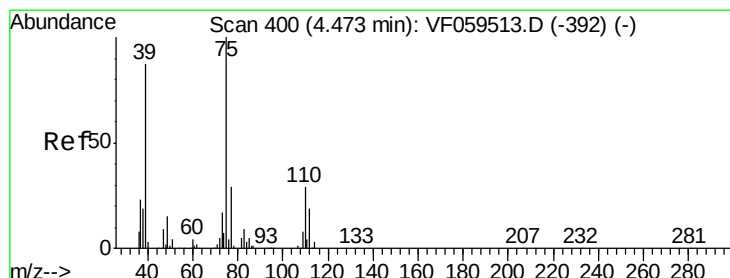
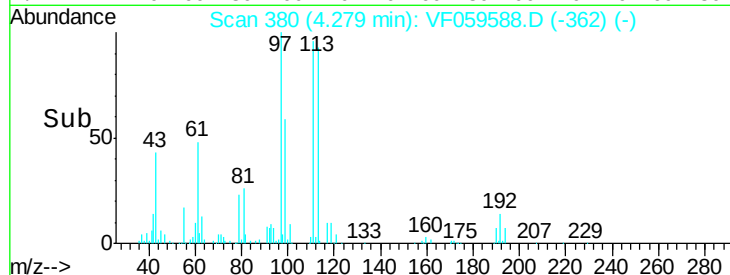
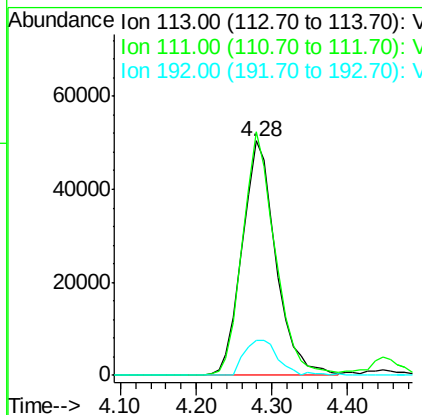
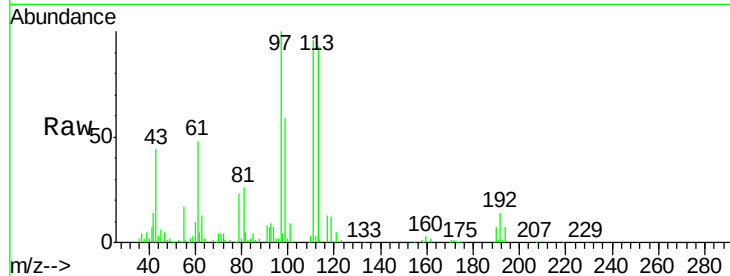
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	156638
Ion Ratio	Lower	Upper	
113	100		
111	104.0	80.3	120.5
192	14.8	13.1	19.7

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#36

1,1-Dichloropropene

Concen: 48.05 ug/l

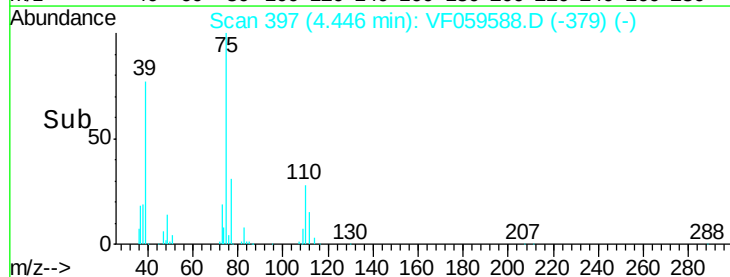
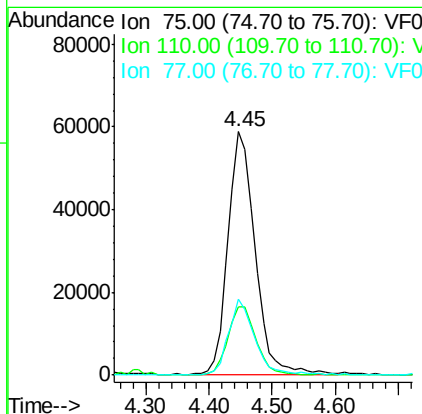
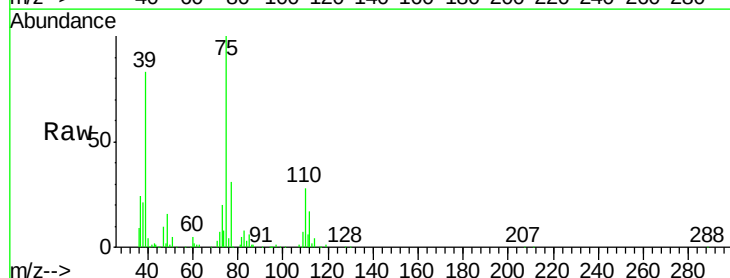
RT: 4.45 min Scan# 397

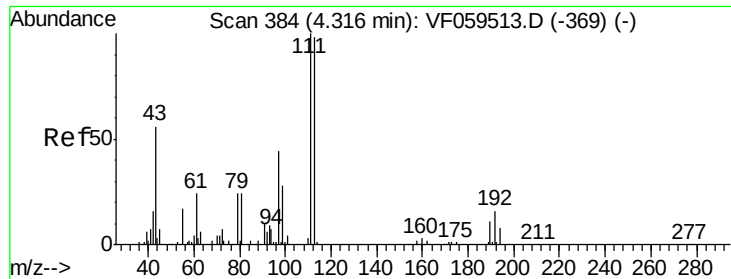
Delta R.T. -0.03 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tgt Ion:	75	Resp:	173708
Ion Ratio	Lower	Upper	
75	100		
110	28.1	14.6	43.8
77	31.0	23.7	35.5





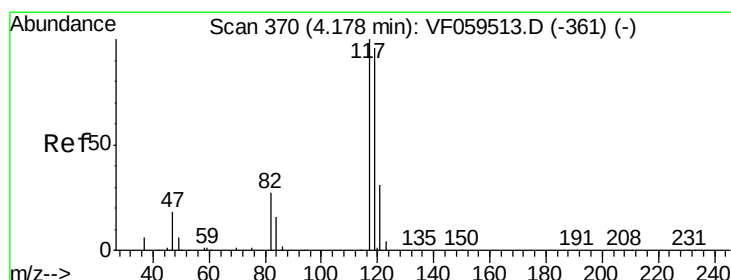
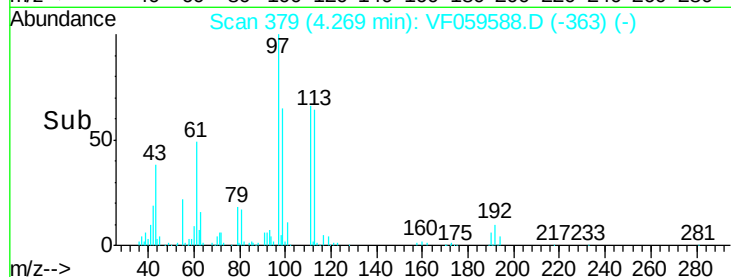
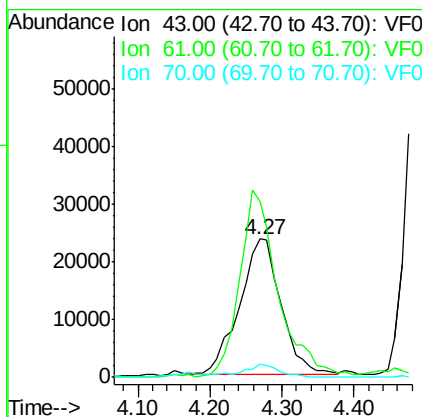
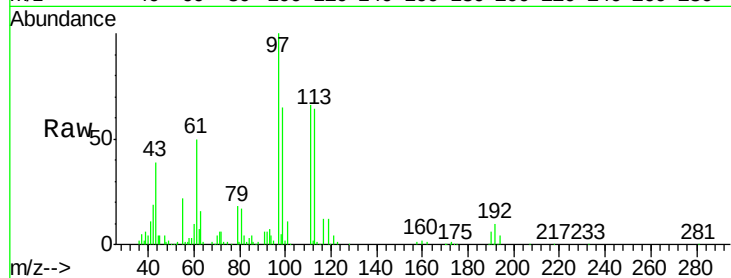
#37
Ethyl Acetate
Concen: 48.47 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.05 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	94730
Ion Ratio	100	Lower	Upper
43	100		
61	126.8	33.7	50.5#
70	9.5	7.4	11.0

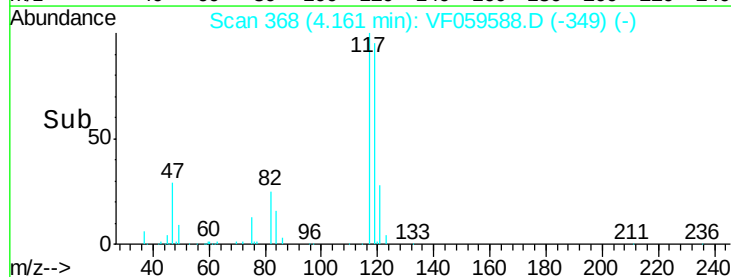
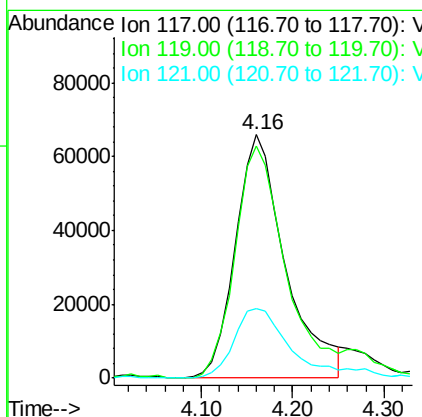
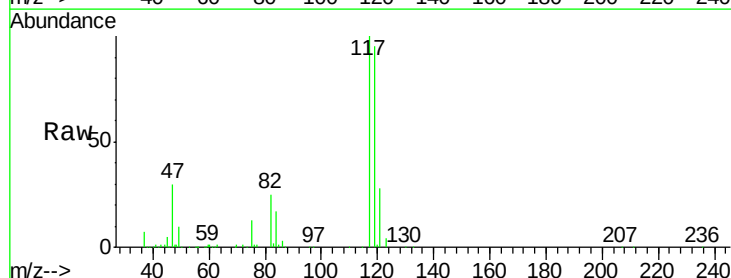
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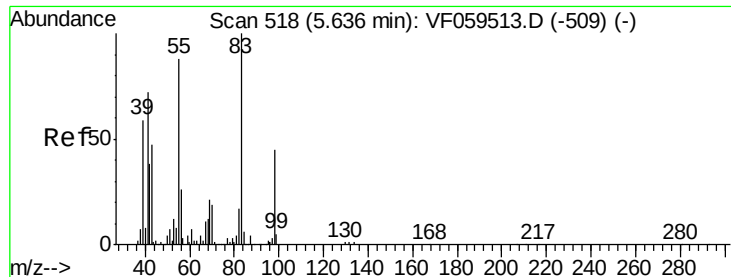
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#38
Carbon Tetrachloride
Concen: 60.49 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	117	Resp	250610
Ion Ratio	100	Lower	Upper
117	100		
119	95.4	77.6	116.4
121	28.5	24.9	37.3





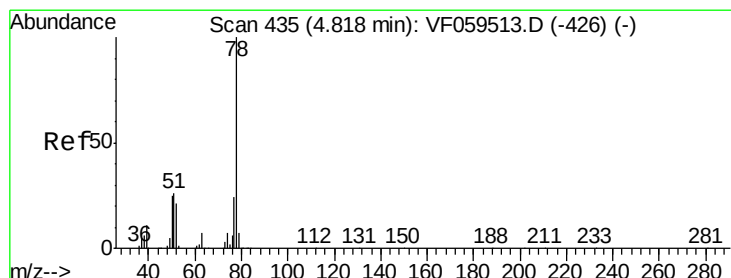
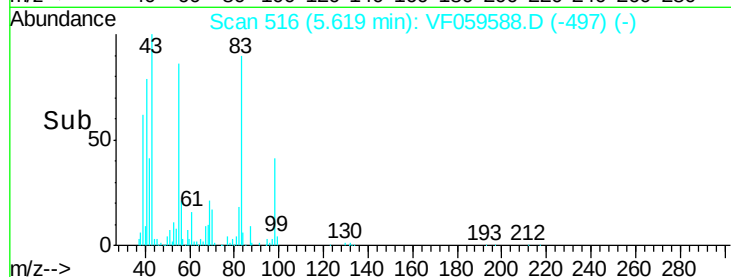
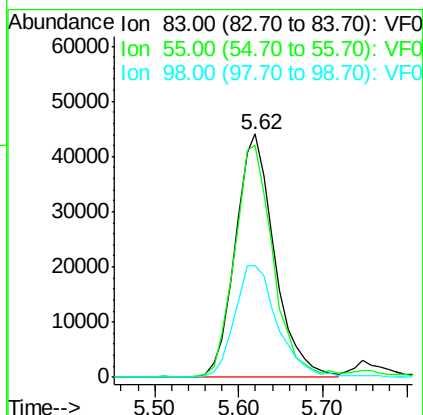
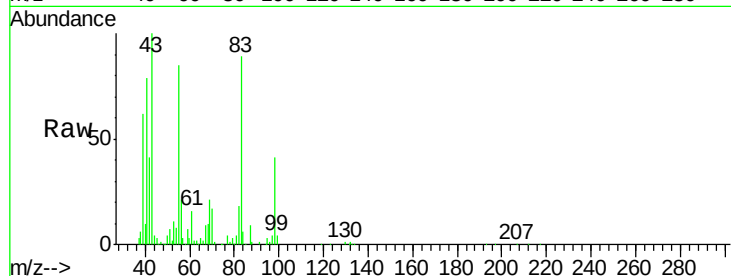
#39
Methylvlcyclohexane
Concen: 51.96 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.3	70.2	105.4
98	46.1	36.2	54.2

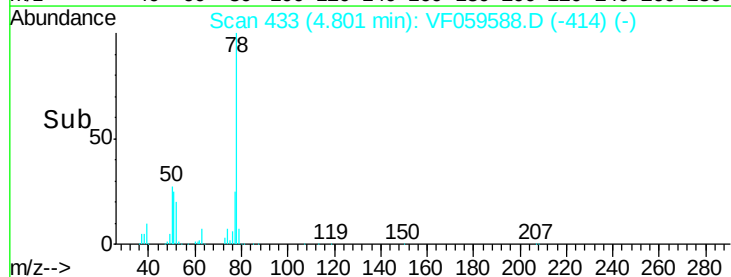
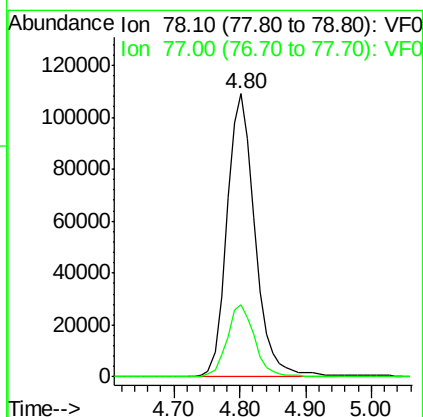
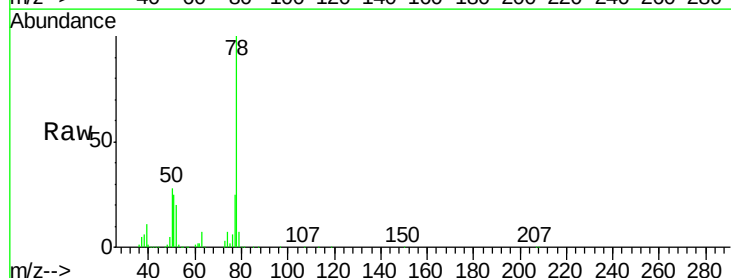
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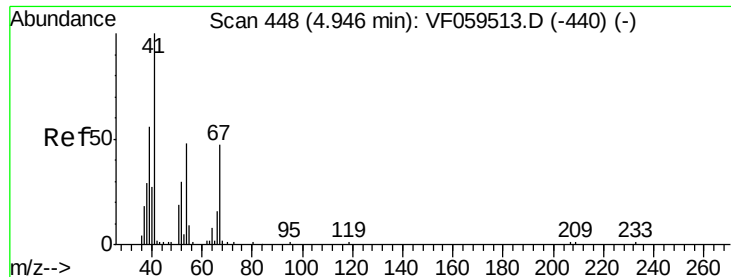
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#40
Benzene
Concen: 46.47 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.4	29.0





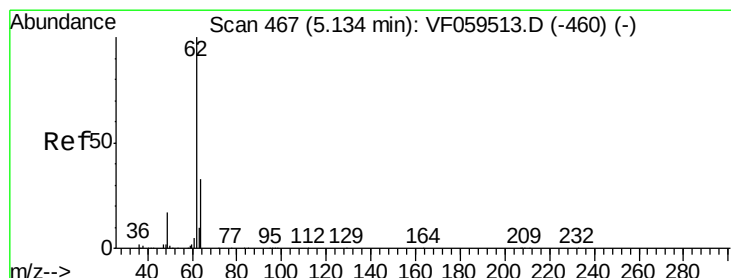
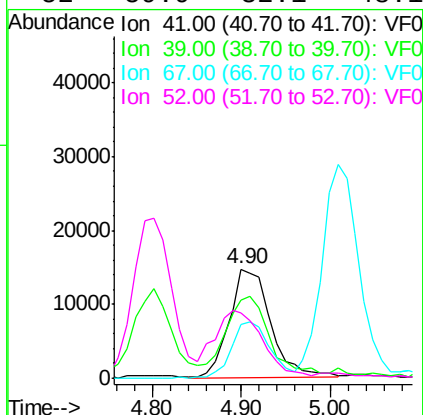
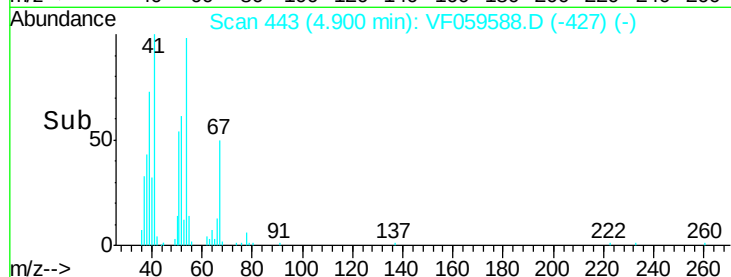
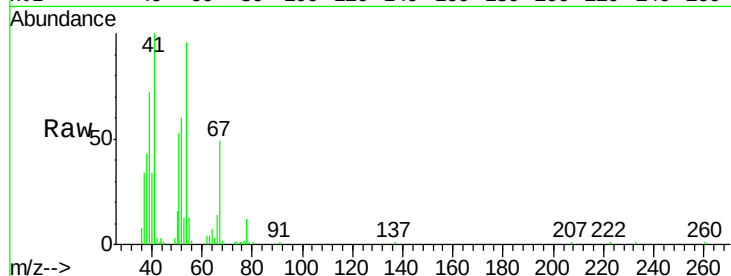
#41
Methacrylonitrile
Concen: 45.86 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.05 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.0	49.4	74.0
67	49.1	37.4	56.2
52	59.9	32.1	48.1

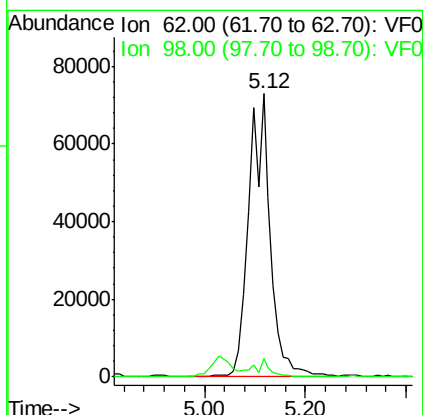
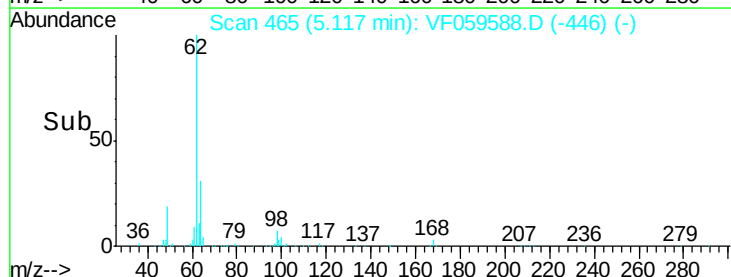
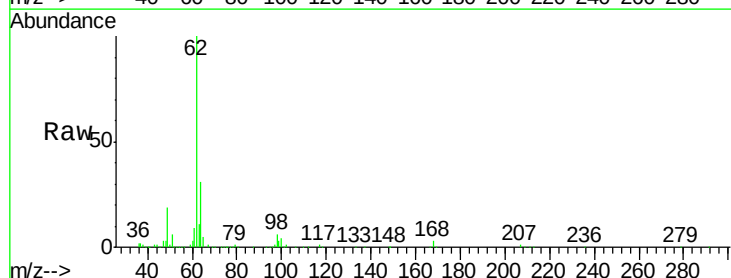
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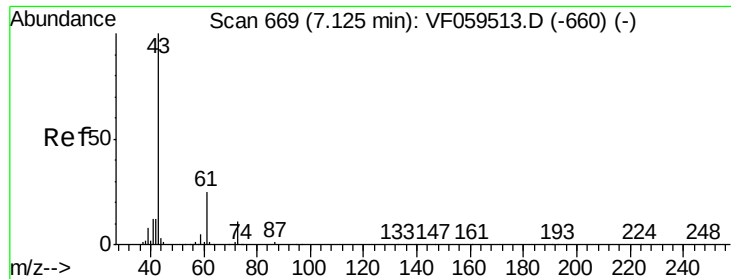
apatel
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#42
1,2-Dichloroethane
Concen: 47.19 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	9.6





#43

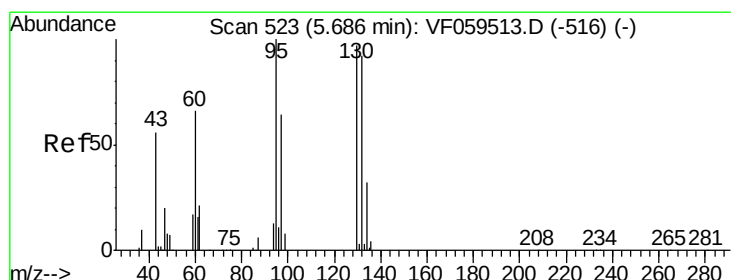
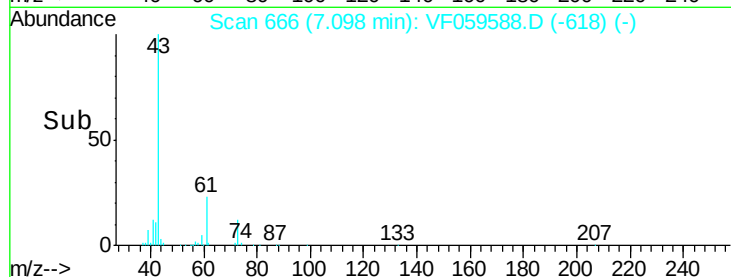
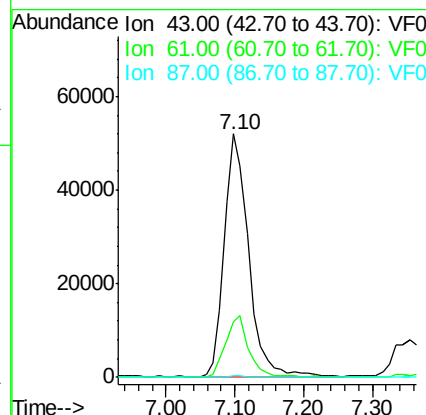
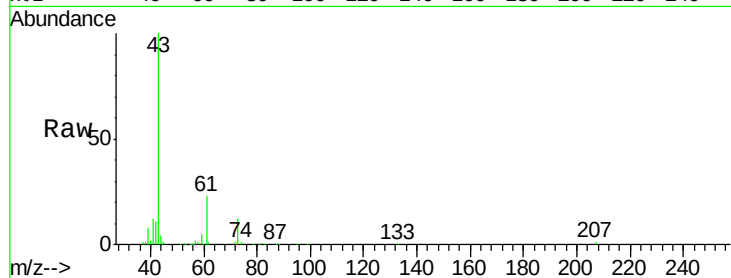
Isopropyl Acetate
Concen: 48.73 ug/l
RT: 7.10 min Scan# 666
Delta R.T. -0.03 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.0	20.3	30.5
87	0.5	0.4	0.6

Manual Integrations
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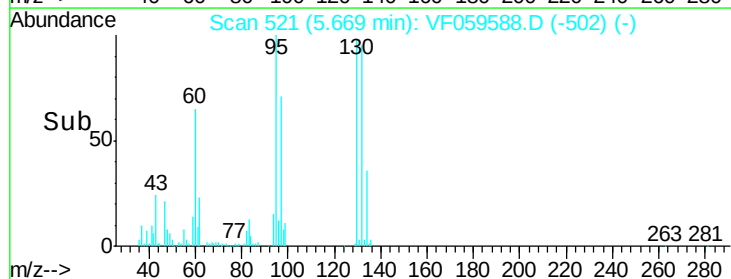
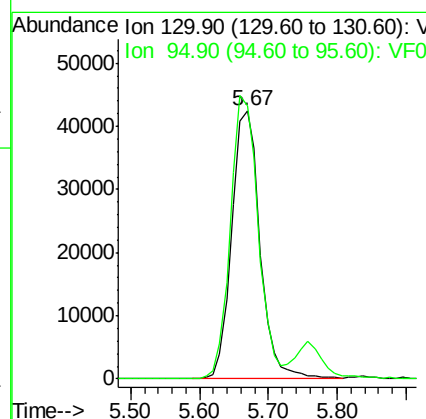
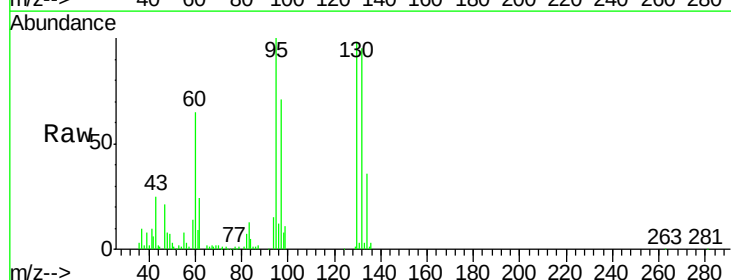
apatel
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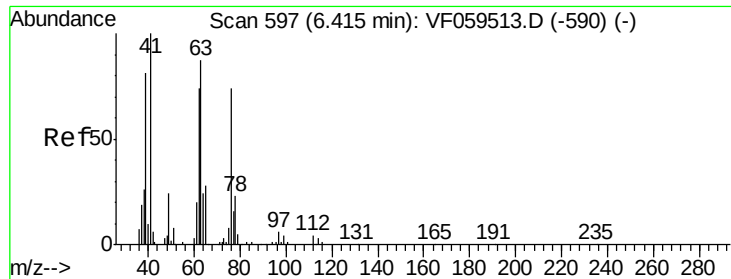


#44

Trichloroethene
Concen: 46.65 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	206.6





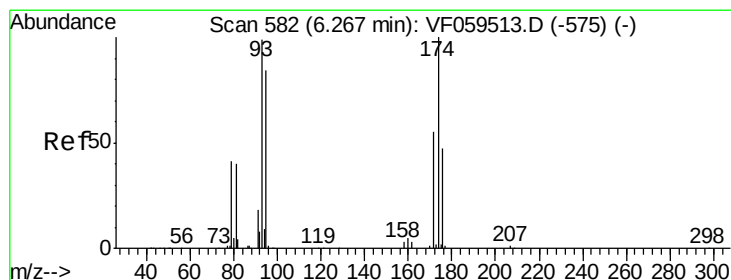
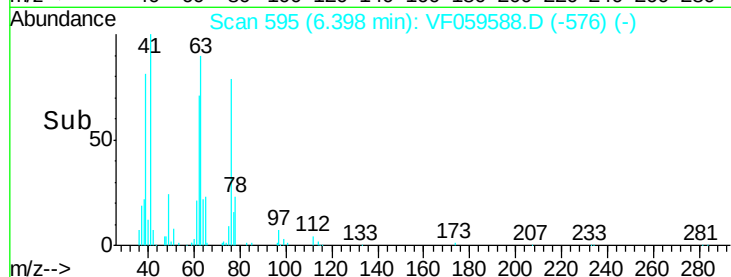
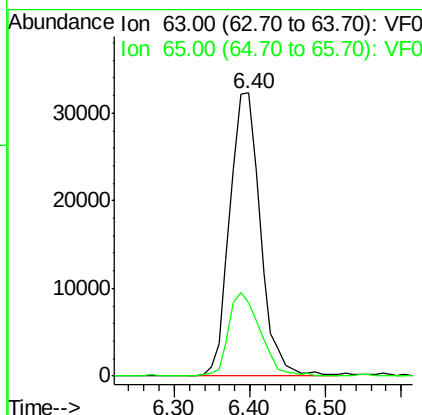
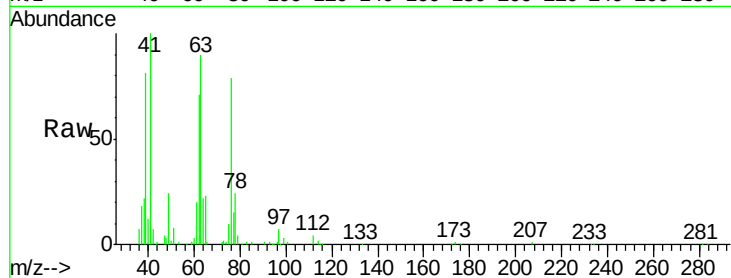
#45
 1,2-Dichloropropane
 Concen: 46.57 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.02 min
 Lab File: VF059588.D
 Acq: 20 Jul 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.6	26.1	39.1

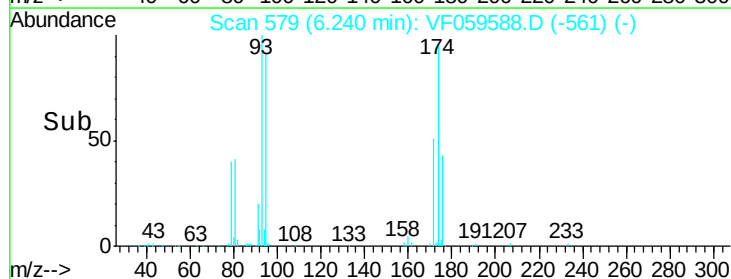
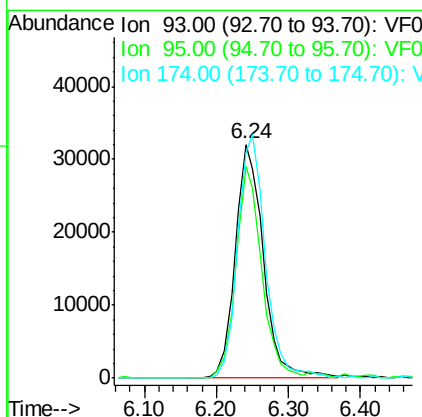
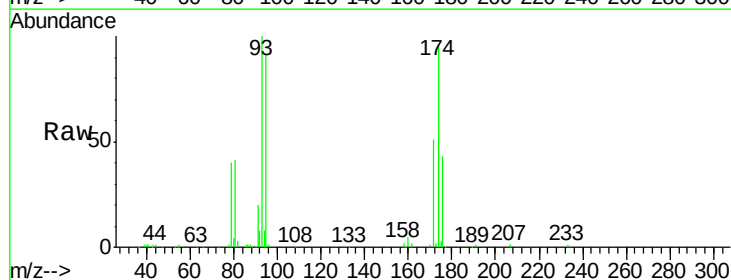
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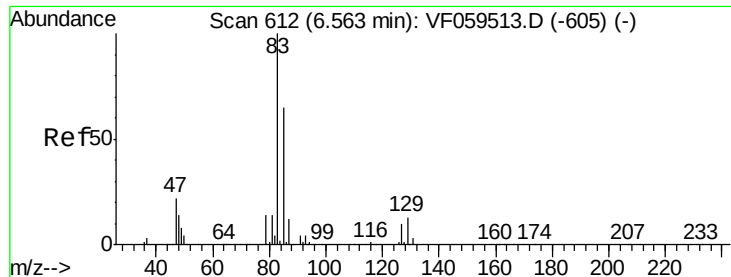
apatel
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#46
 Dibromomethane
 Concen: 49.17 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. -0.03 min
 Lab File: VF059588.D
 Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	92.2	68.3	102.5
174	96.5	81.2	121.8





#47

Bromodichloromethane

Concen: 48.86 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

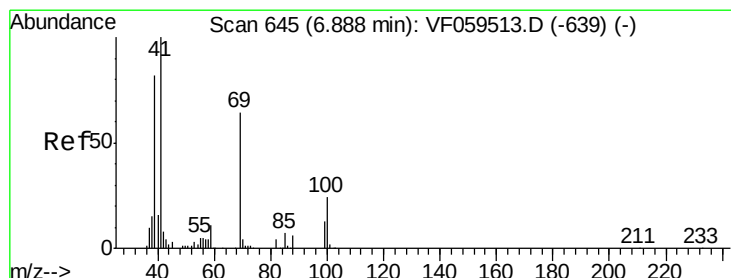
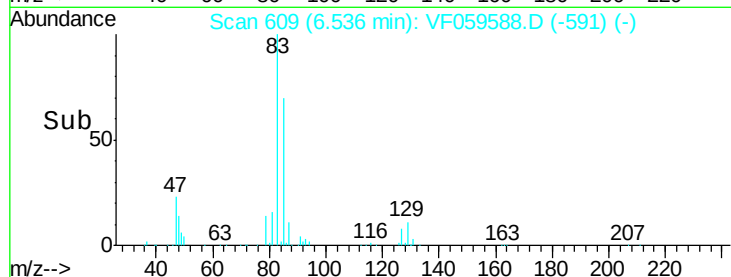
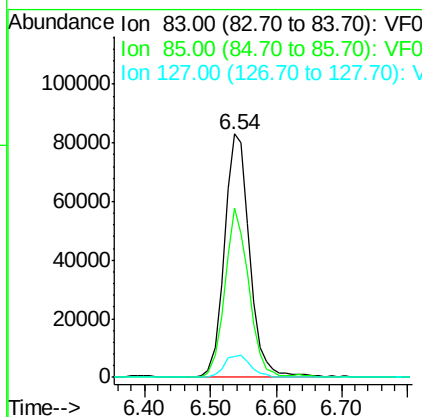
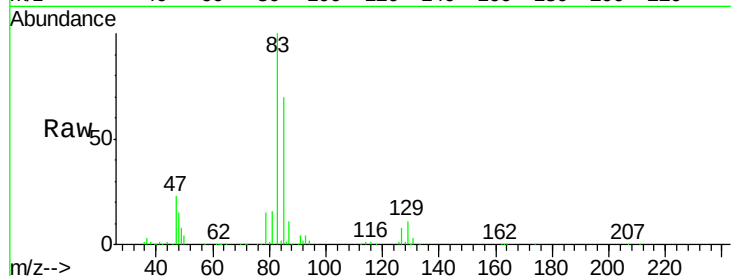
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	222964
Ion	Ratio	Lower	Upper
83	100		
85	69.7	52.4	78.6
127	8.5	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.15 ug/l

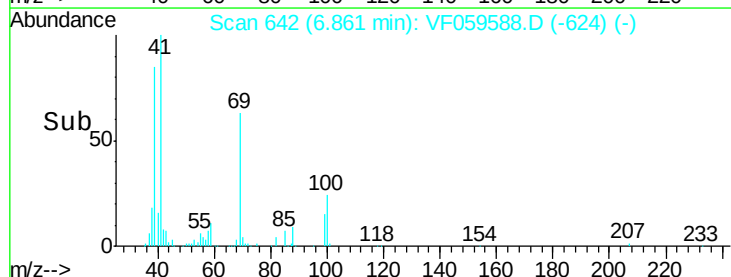
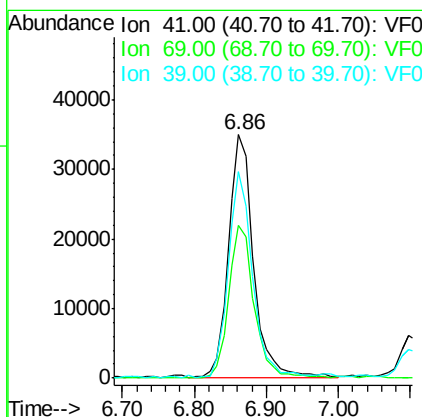
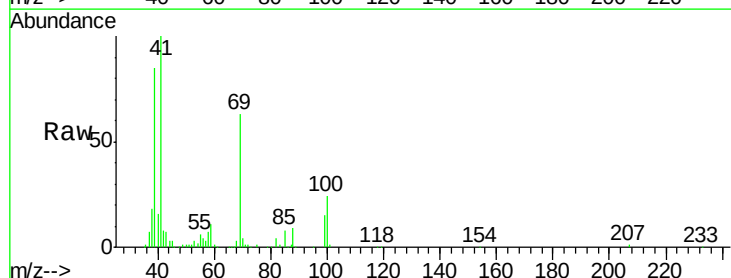
RT: 6.86 min Scan# 642

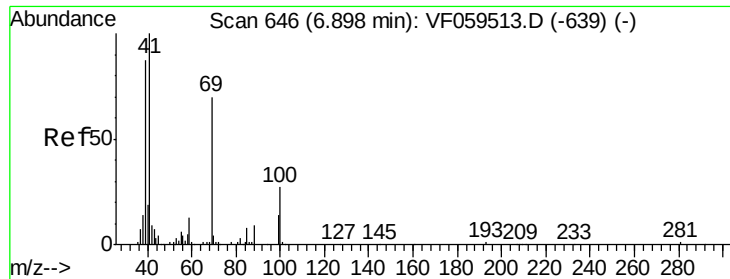
Delta R.T. -0.03 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tgt Ion:	41	Resp:	83776
Ion	Ratio	Lower	Upper
41	100		
69	62.9	51.3	76.9
39	84.9	65.3	97.9





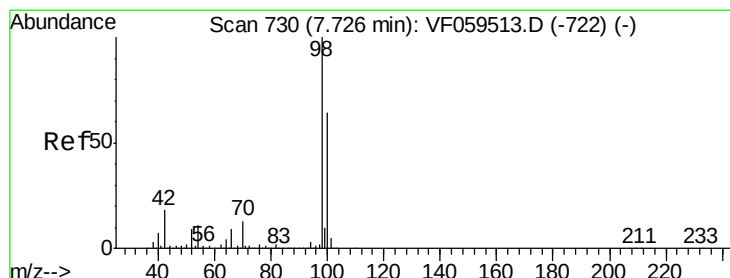
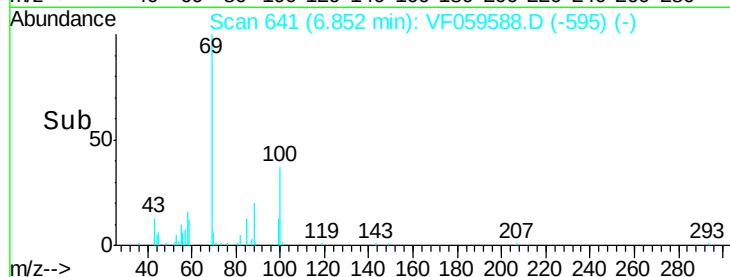
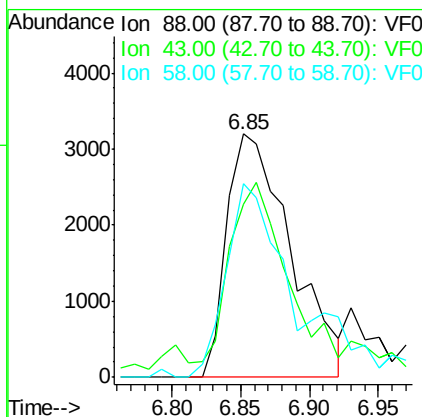
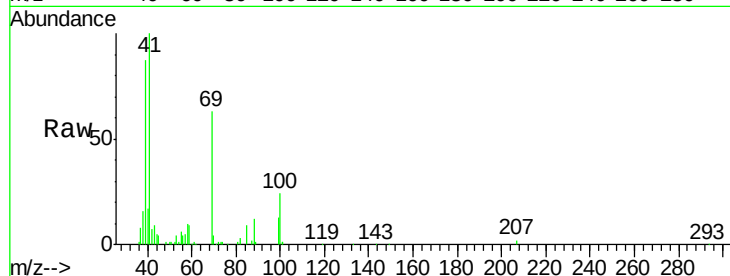
#49
1,4-Dioxane
Concen: 1268.52 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.05 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp:	10361
Ion	Ratio	Lower	Upper
88	100		
43	71.1	64.8	97.2
58	79.5	44.1	66.1#

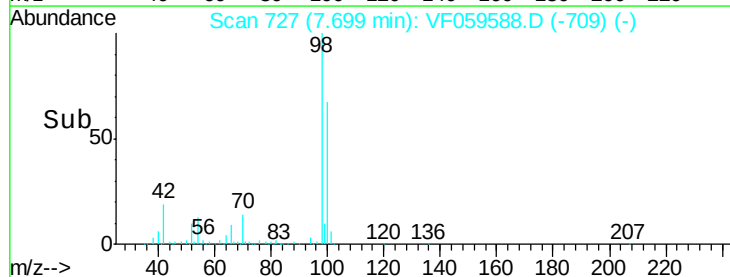
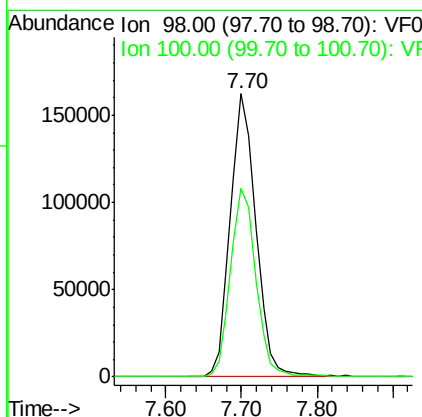
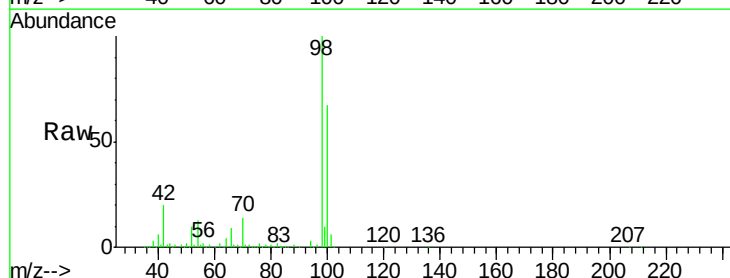
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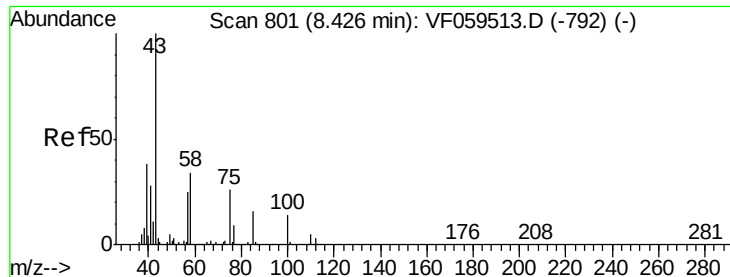
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#50
Toluene-d8
Concen: 48.34 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	98	Resp:	380905
Ion	Ratio	Lower	Upper
98	100		
100	66.6	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 248.35 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 457347

Ion Ratio Lower Upper

43 100

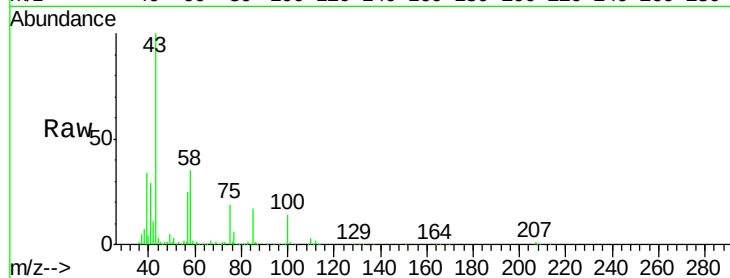
58 35.3 27.4 41.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

200000

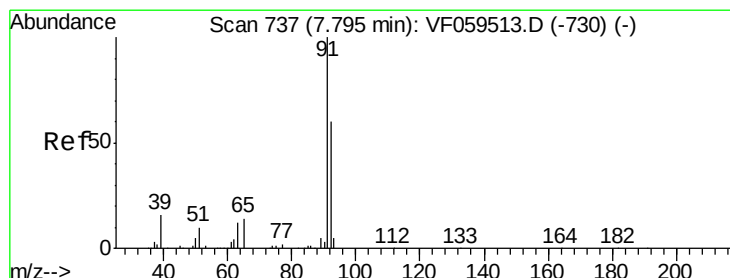
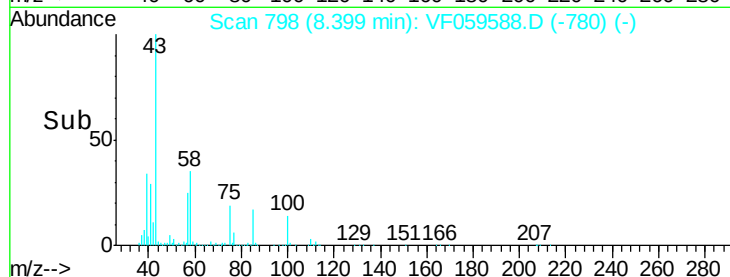
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 49.10 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059588.D

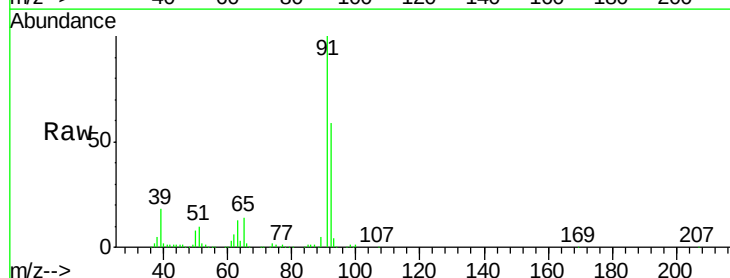
Acq: 20 Jul 2018 17:45

Tgt Ion: 92 Resp: 249768

Ion Ratio Lower Upper

92 100

91 169.2 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

200000

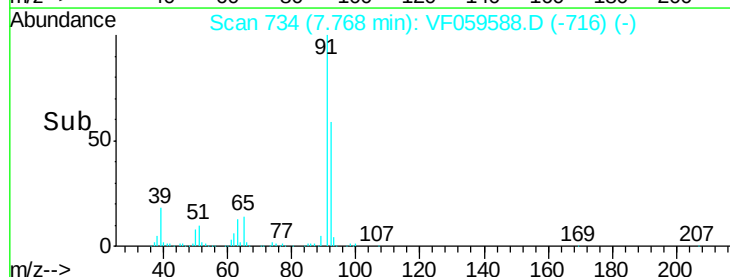
150000

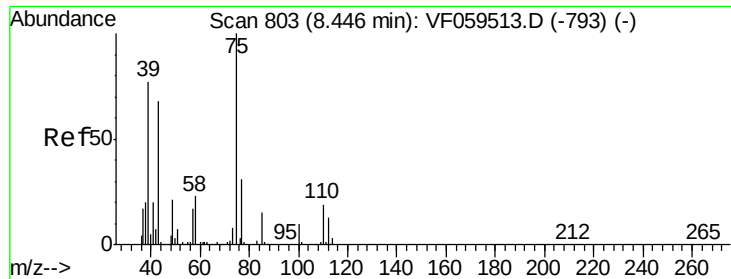
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.63 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 208330

Ion Ratio Lower Upper

75 100

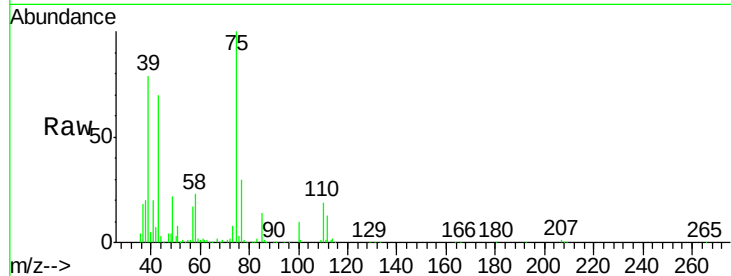
77 29.6 25.3 37.9

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

100000

80000

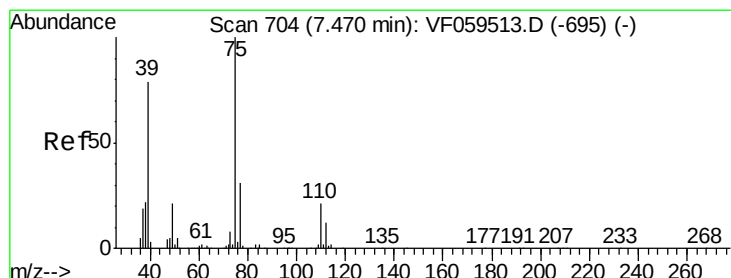
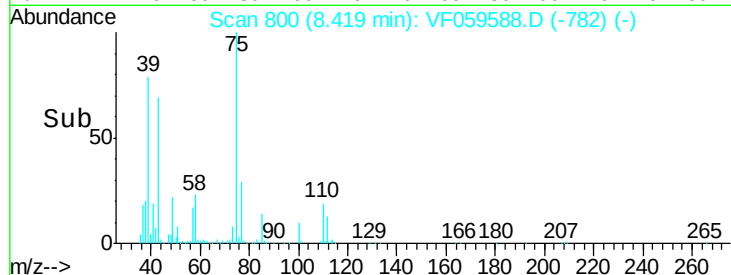
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.61 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

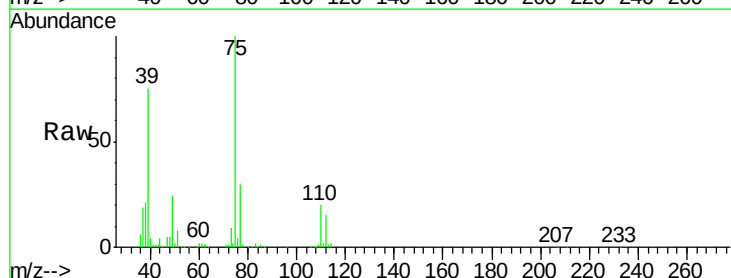
Tgt Ion: 75 Resp: 207354

Ion Ratio Lower Upper

75 100

77 29.5 25.0 37.6

39 75.2 63.8 95.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.45

100000

80000

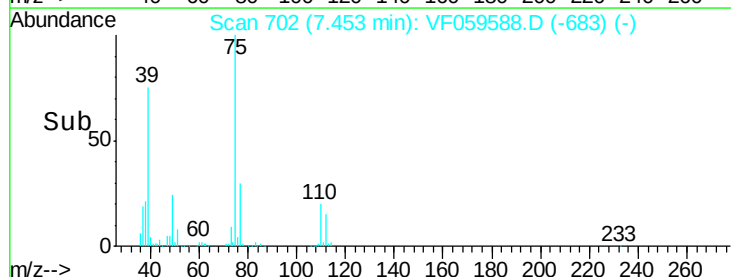
60000

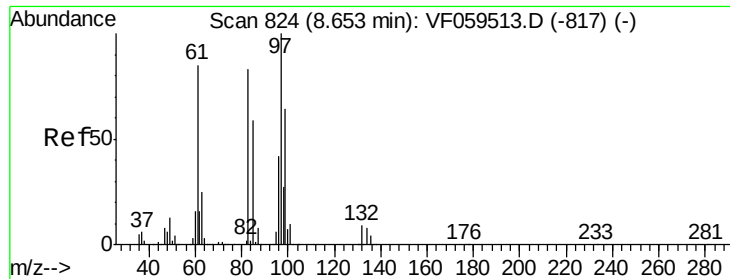
40000

20000

0

Time-->





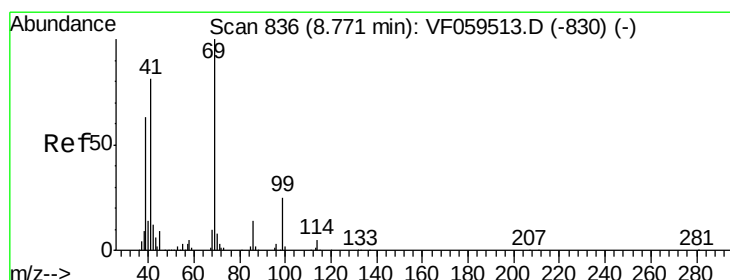
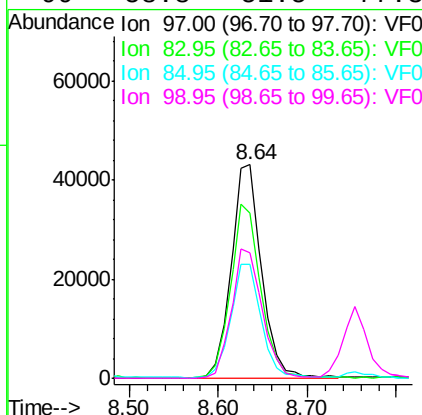
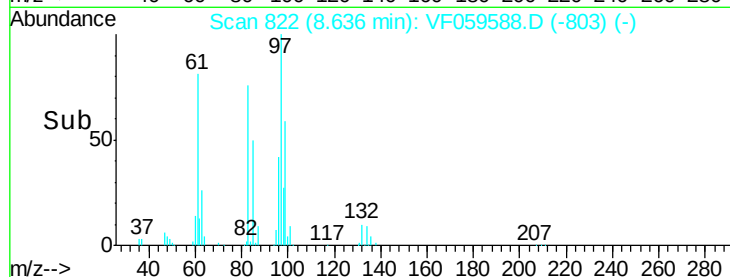
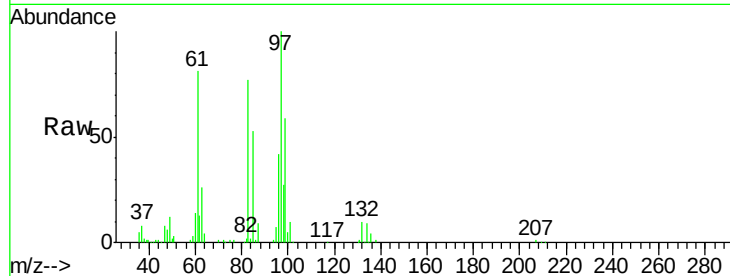
#55
1,1,2-Trichloroethane
Concen: 52.16 ug/l
RT: 8.64 min Scan# 822
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	97	Resp	102800
Ion	Ratio	Lower	Upper
97	100		
83	77.3	66.9	100.3
85	53.3	46.9	70.3
99	58.8	51.5	77.3

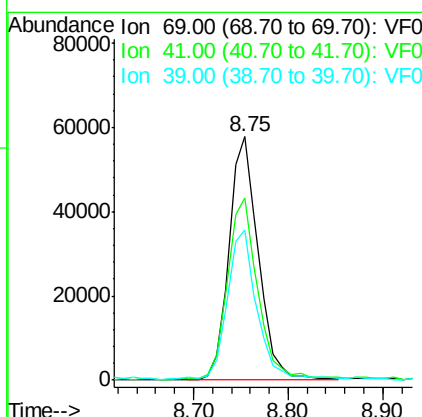
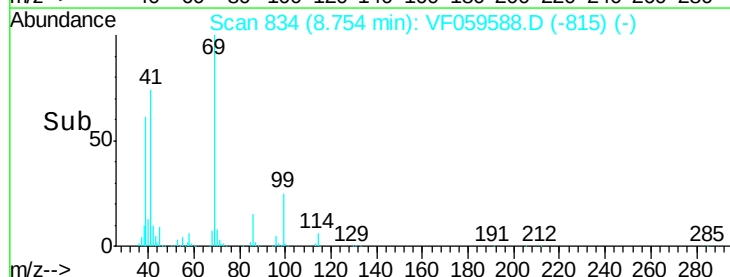
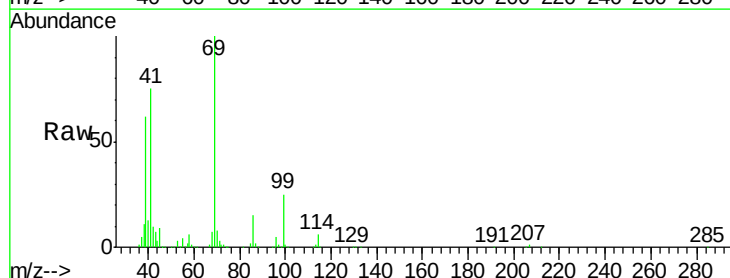
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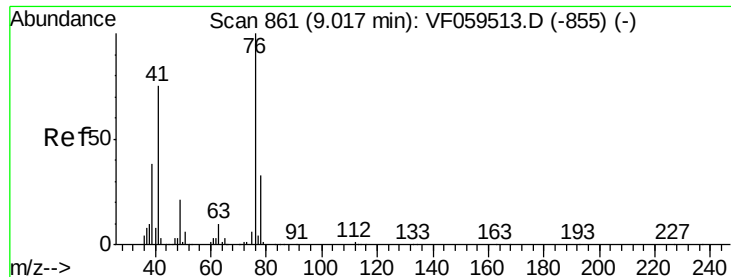
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#56
Ethyl methacrylate
Concen: 50.52 ug/l
RT: 8.75 min Scan# 834
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	69	Resp	123493
Ion	Ratio	Lower	Upper
69	100		
41	75.0	65.4	98.2
39	61.5	51.0	76.4





#57

1,3-Dichloropropane

Concen: 48.76 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.03 min

Lab File: VF059588.D

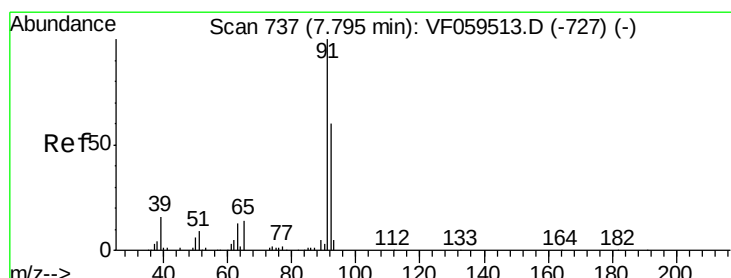
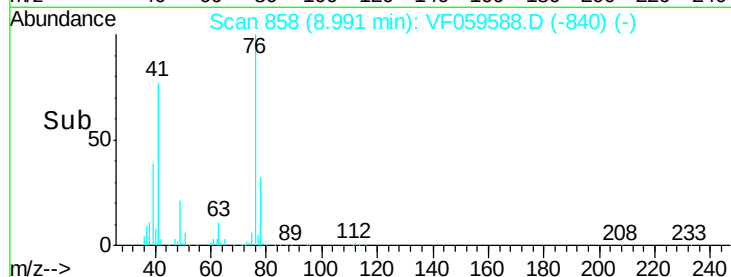
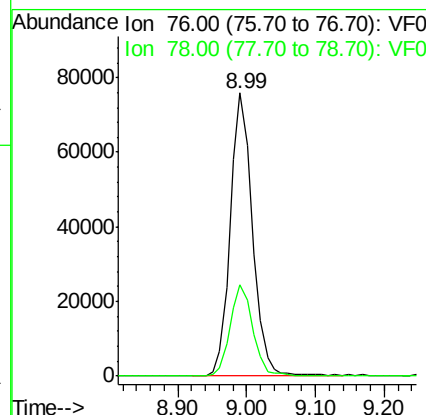
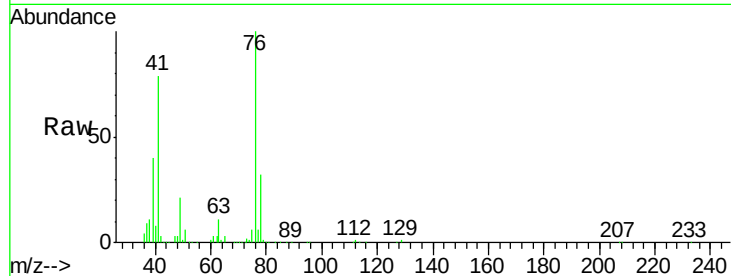
Acq: 20 Jul 2018 17:45

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.4	39.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#58

2-Chloroethyl Vinyl ether

Concen: 250.69 ug/l

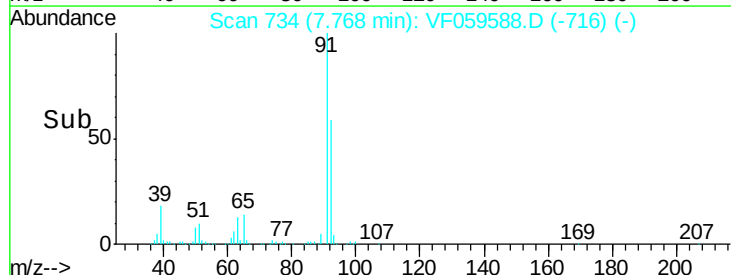
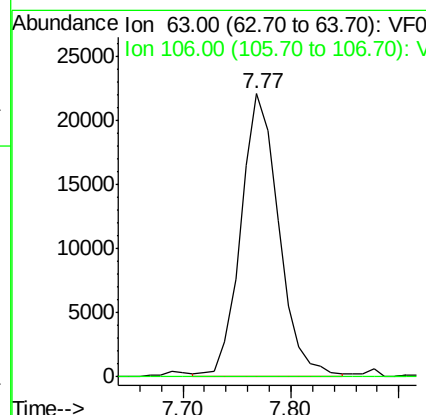
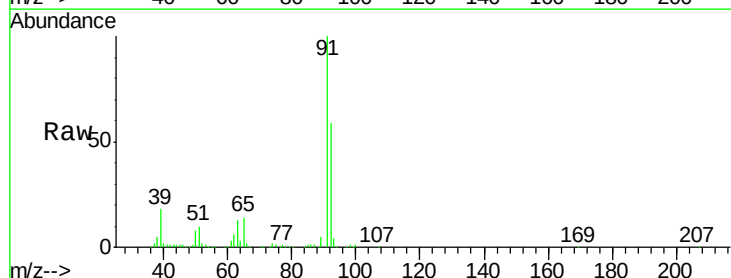
RT: 7.77 min Scan# 734

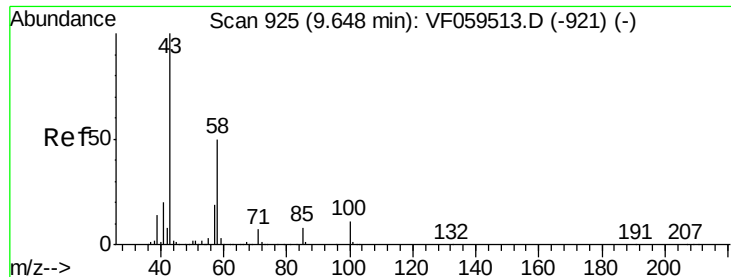
Delta R.T. -0.03 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





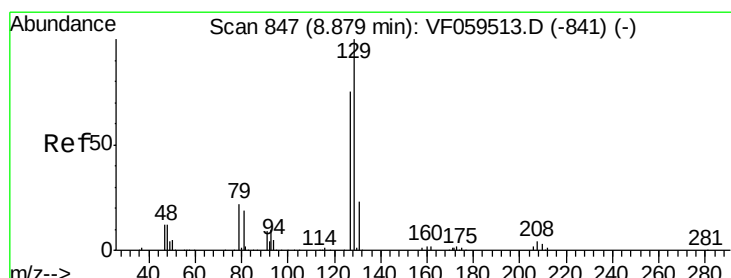
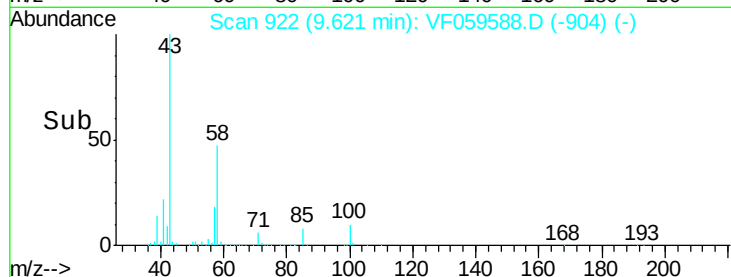
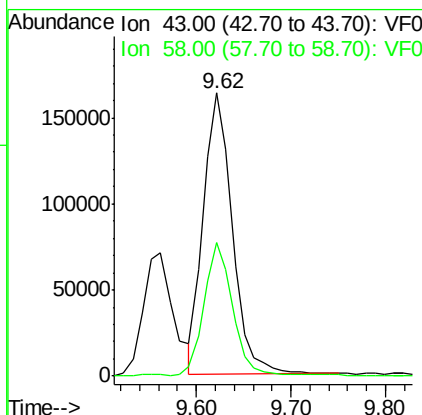
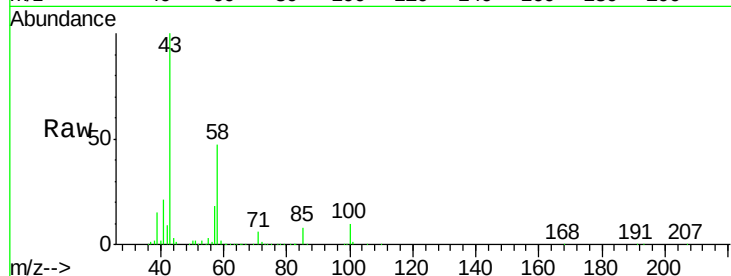
#59
2-Hexanone
Concen: 251.03 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.03 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 349370
Ion Ratio Lower Upper
43 100
58 47.2 23.3 69.9

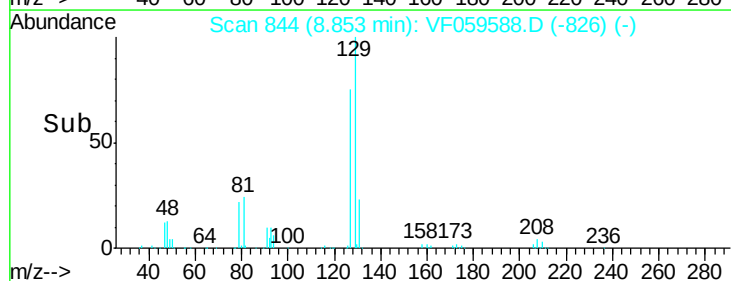
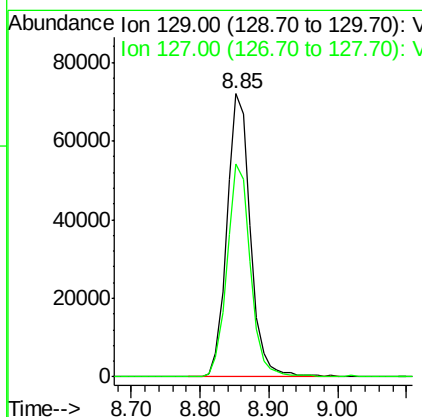
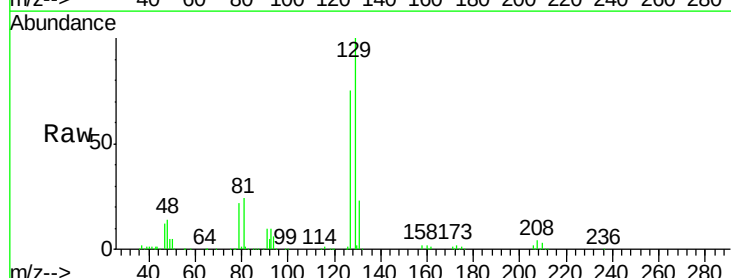
Manual Integrations
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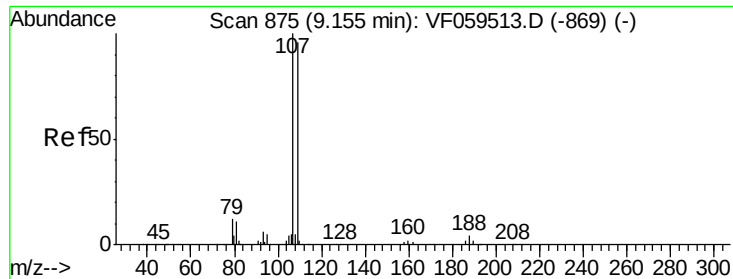
apatel
7/23/2018 10:51:59 AM



#60
Dibromochloromethane
Concen: 51.19 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.03 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion: 129 Resp: 170021
Ion Ratio Lower Upper
129 100
127 75.4 37.6 112.8





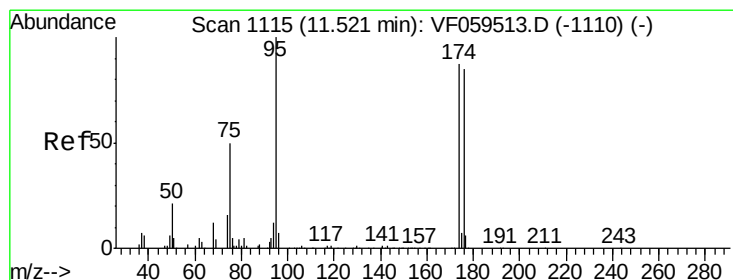
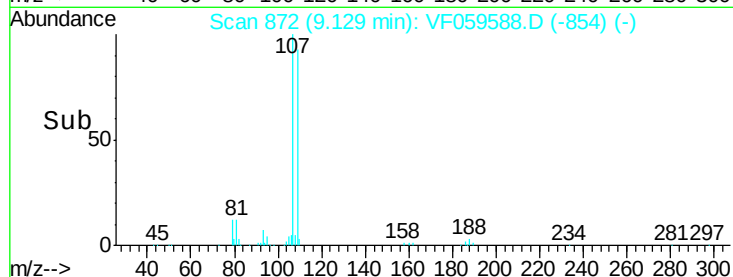
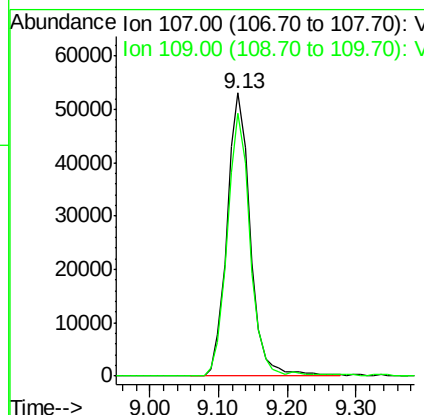
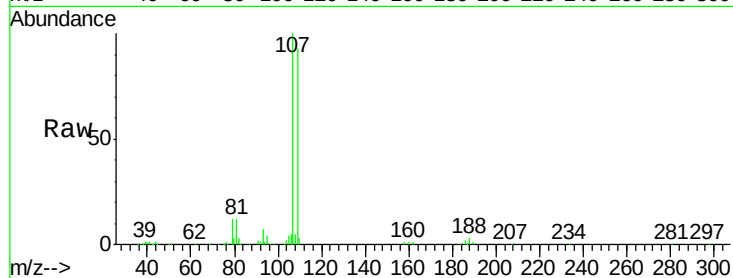
#61
 1,2-Dibromoethane
 Concen: 50.97 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: VF059588.D
 Acq: 20 Jul 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	76.5	114.7

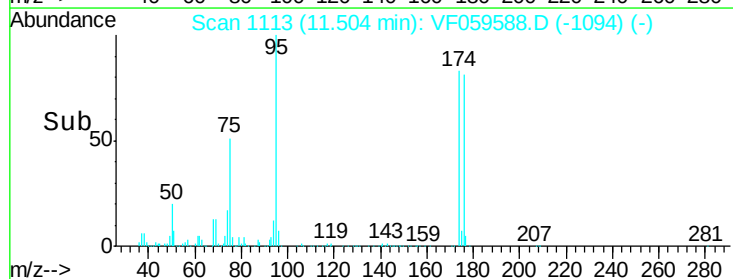
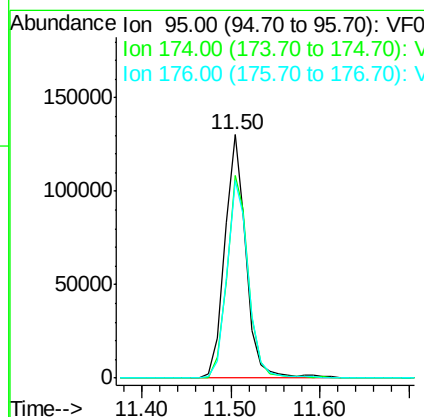
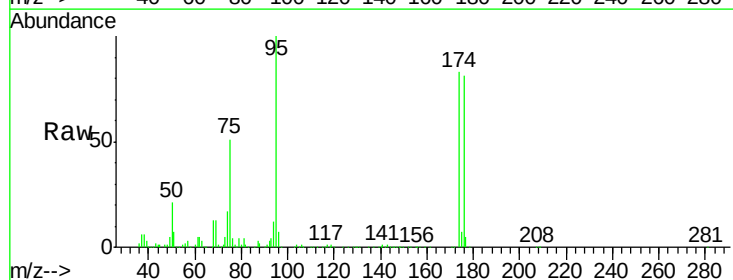
Manual Integrations
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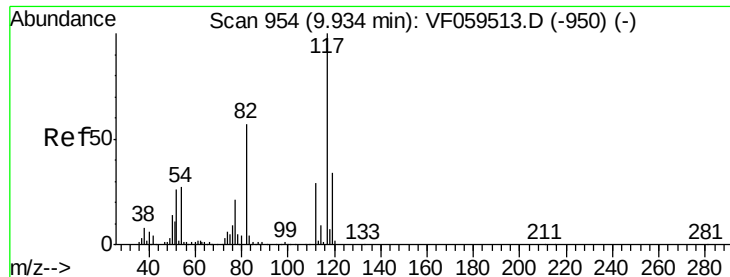
apatel
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#62
 4-Bromofluorobenzene
 Concen: 52.98 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.02 min
 Lab File: VF059588.D
 Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	174.4
176	80.9	0.0	169.4





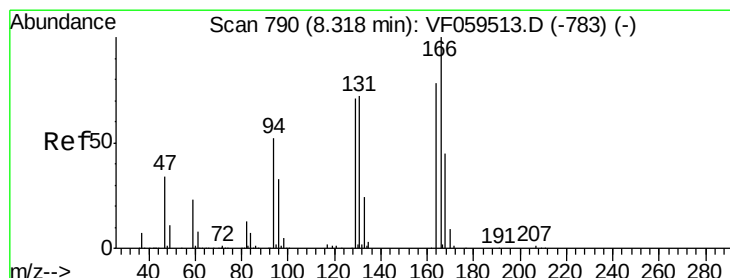
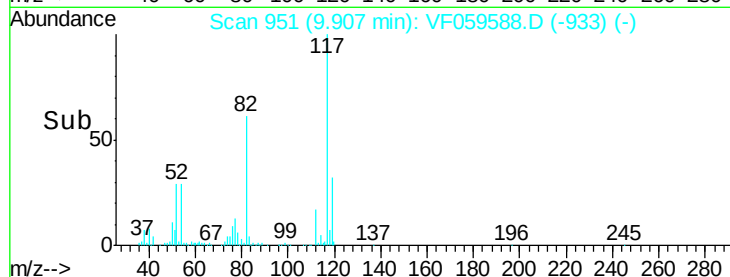
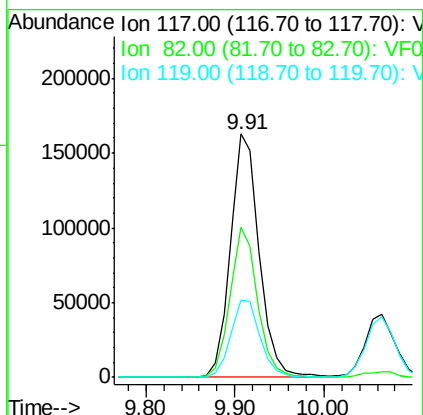
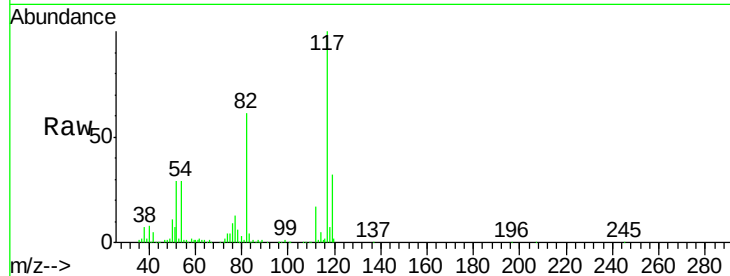
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	368350		
82	61.4	46.1	69.1	
119	31.7	27.2	40.8	

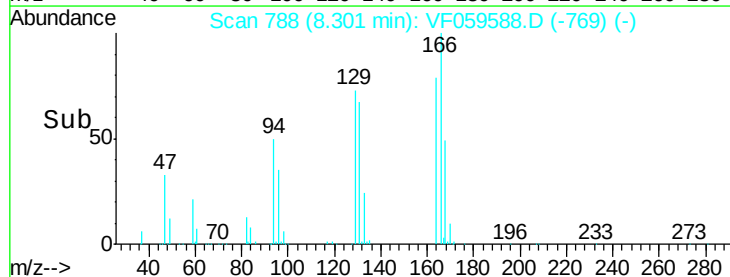
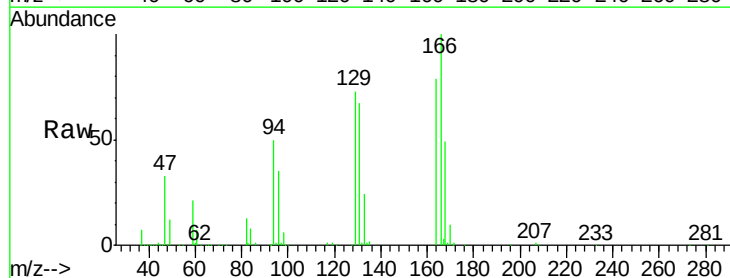
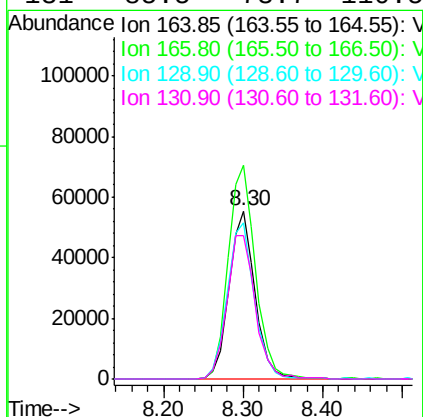
Manual Integrations
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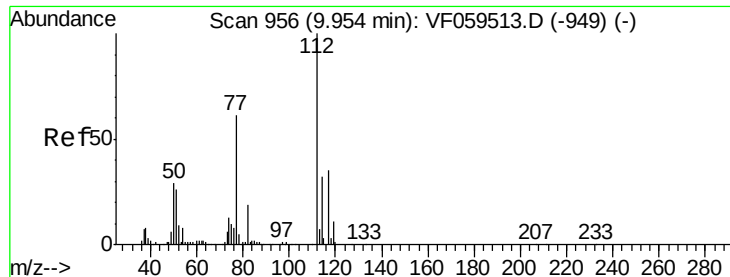
apatel
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#64
Tetrachloroethene
Concen: 45.91 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	125929		
166	127.0	102.3	153.5	
129	92.9	72.4	108.6	
131	85.5	73.7	110.5	





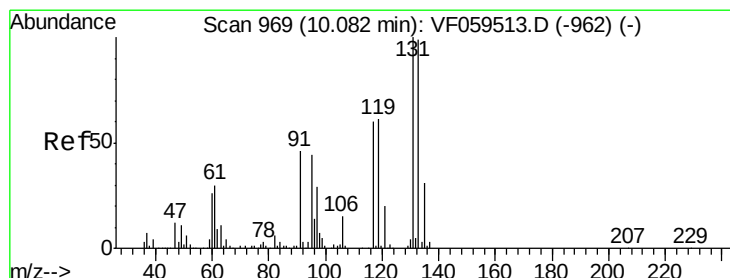
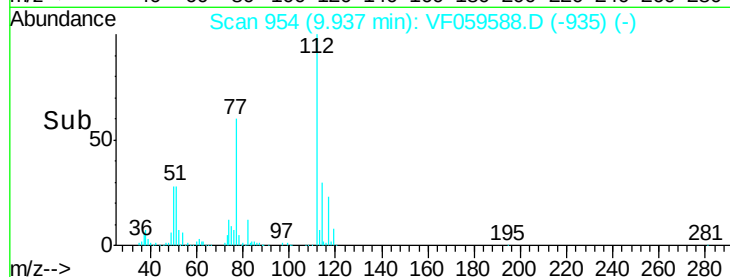
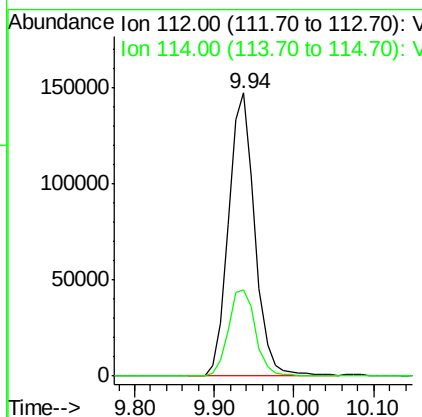
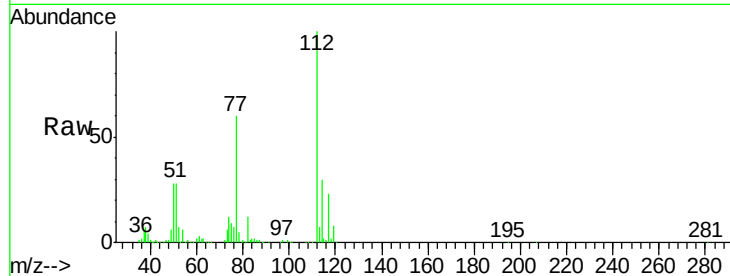
#65
Chlorobenzene
Concen: 49.33 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.4	38.2

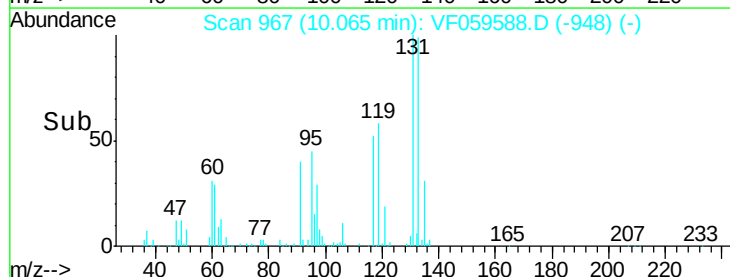
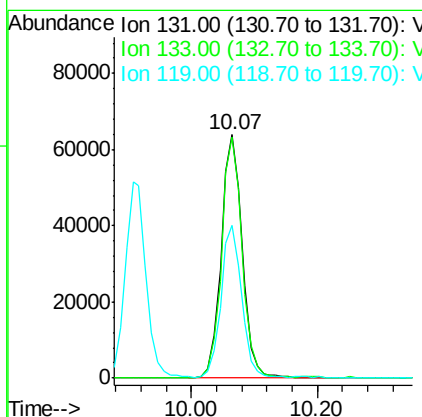
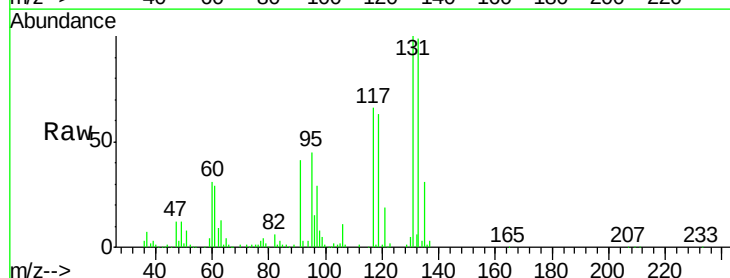
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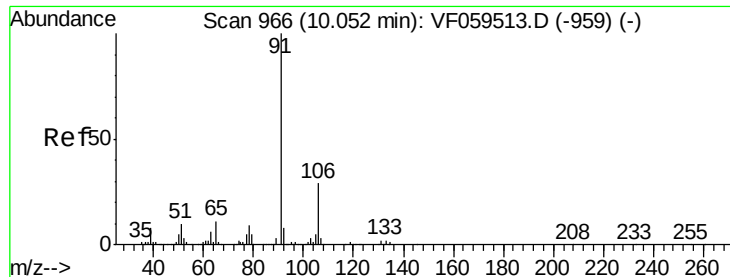
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.12 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.9	49.6	148.8
119	62.8	31.4	94.3





#67

Ethyl Benzene

Concen: 46.66 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 573753

Ion Ratio Lower Upper

91 100

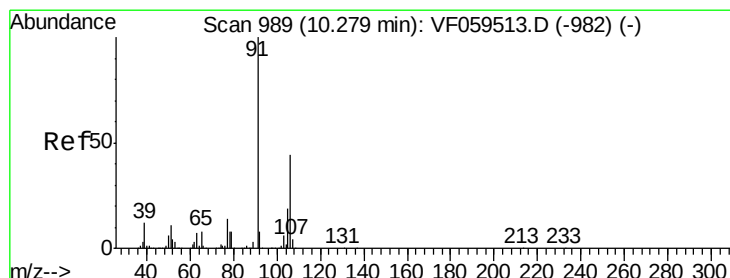
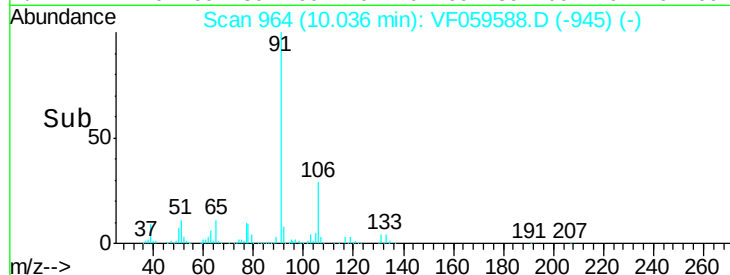
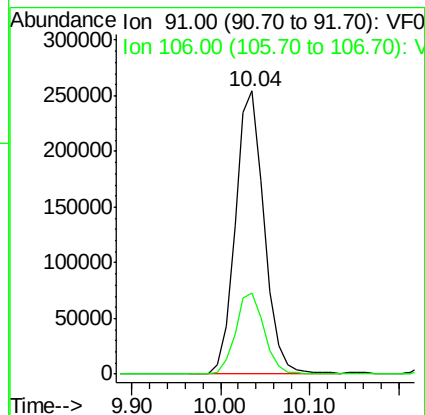
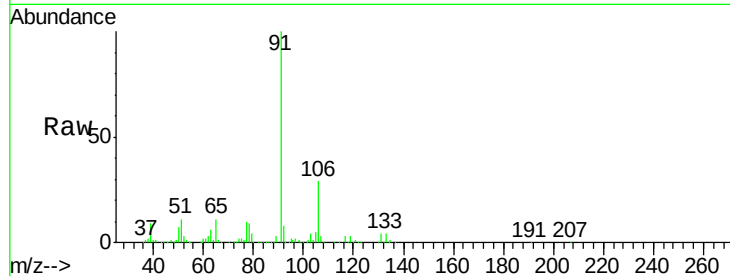
106 28.9 23.4 35.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.65 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF059588.D

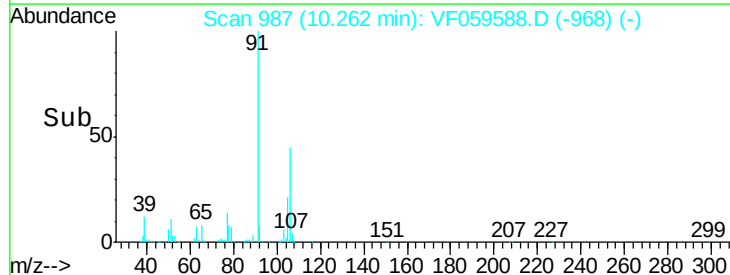
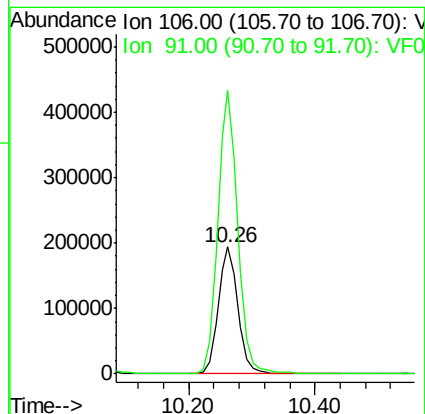
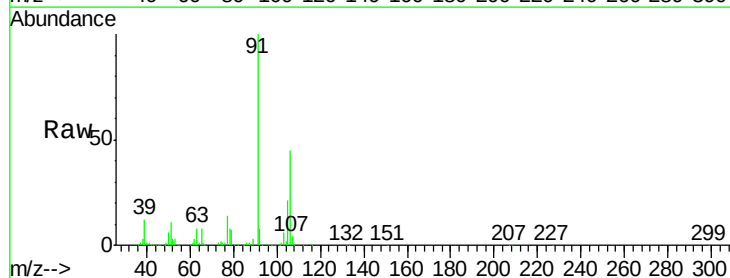
Acq: 20 Jul 2018 17:45

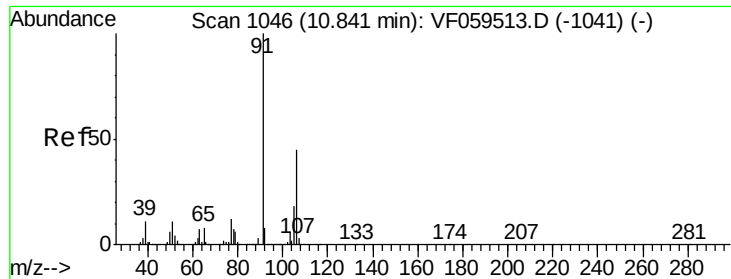
Tgt Ion: 106 Resp: 423824

Ion Ratio Lower Upper

106 100

91 223.2 181.0 271.4





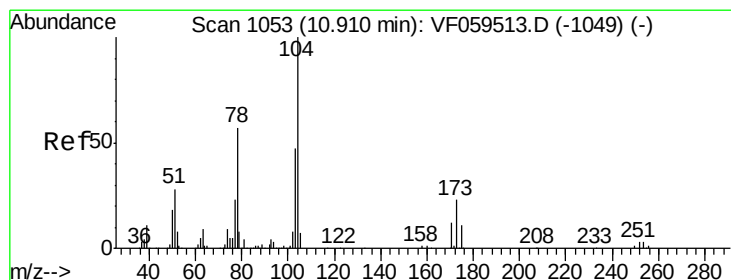
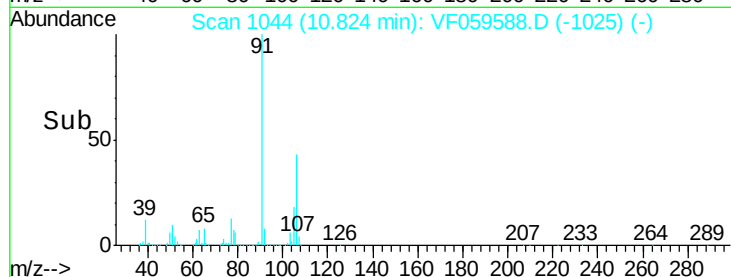
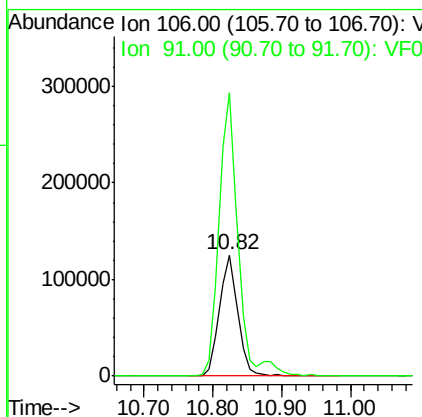
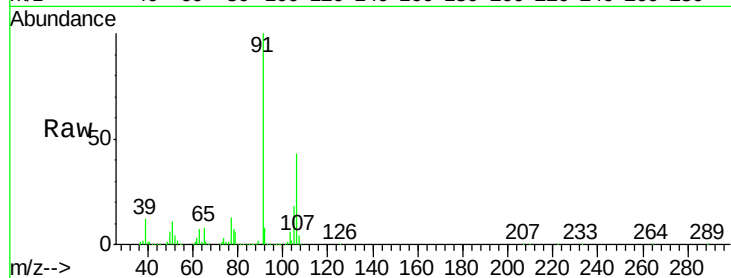
#69
o-Xylene
Concen: 50.46 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	234.0	112.3	336.9

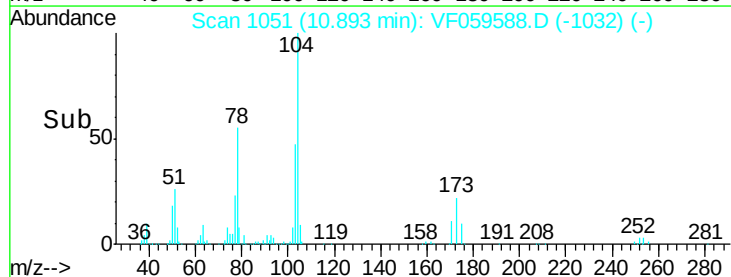
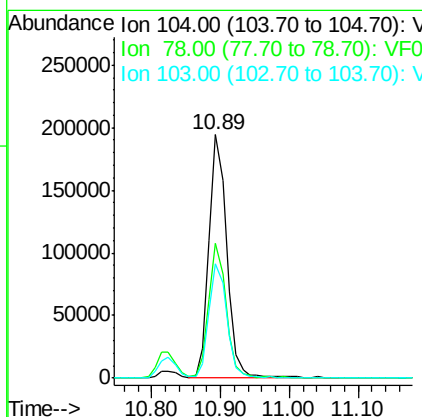
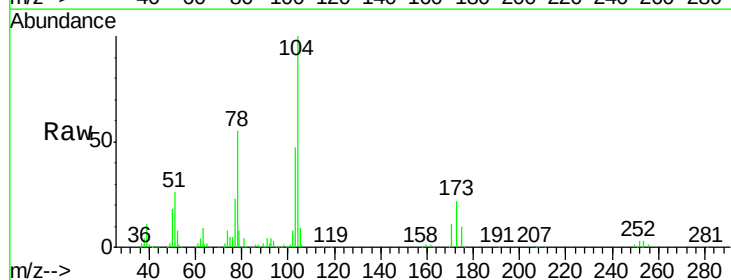
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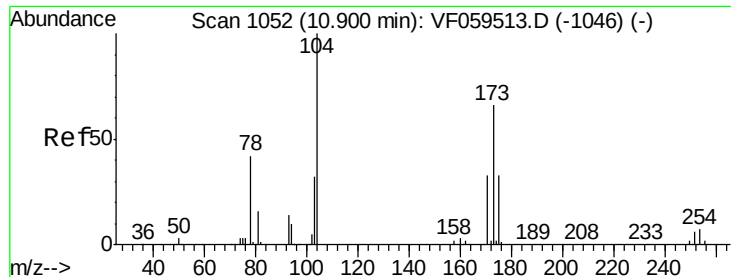
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#70
Styrene
Concen: 49.44 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.3	45.7	68.5
103	47.1	38.1	57.1





#71

Bromoform

Concen: 49.66 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

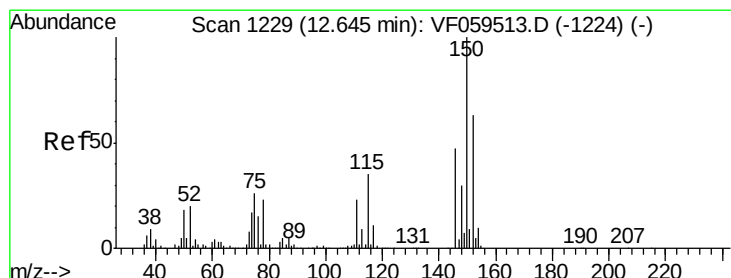
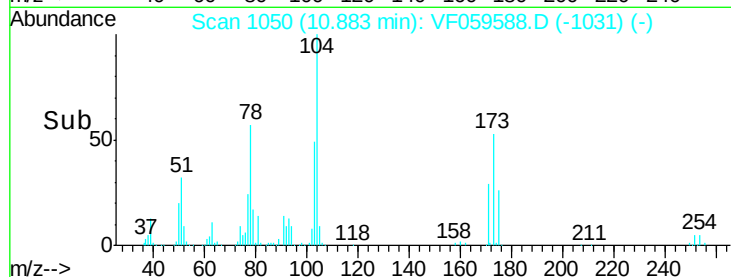
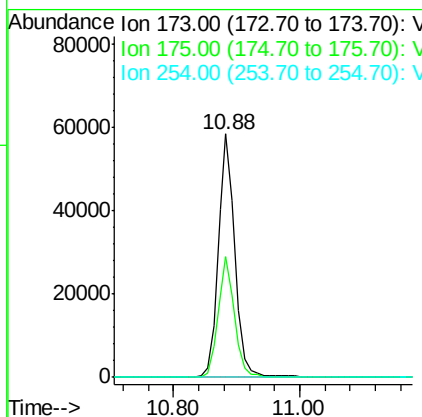
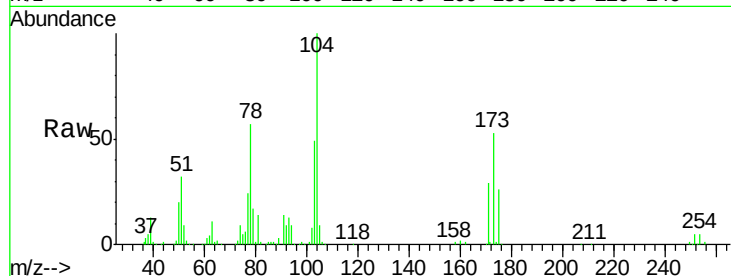
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	108541
Ion Ratio	Lower	Upper	
173	100		
175	49.4	25.3	75.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

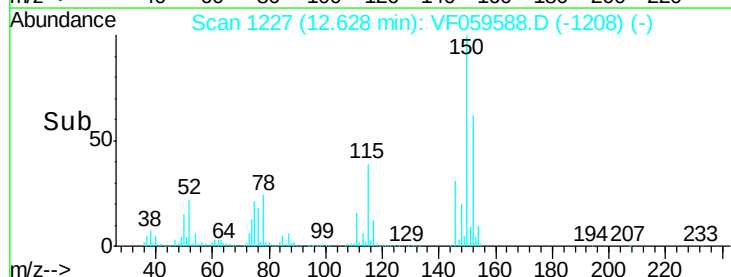
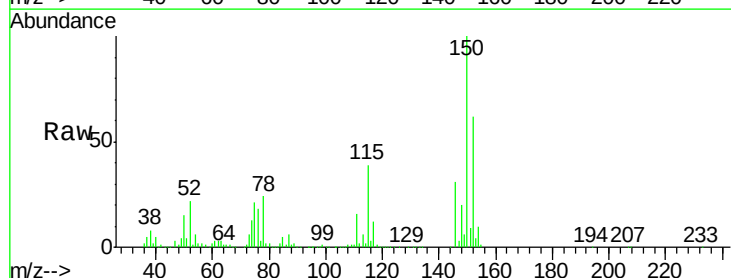
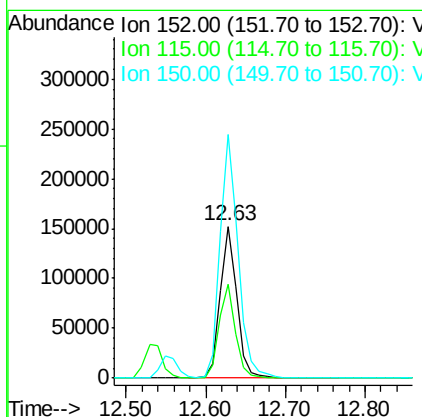
RT: 12.63 min Scan# 1227

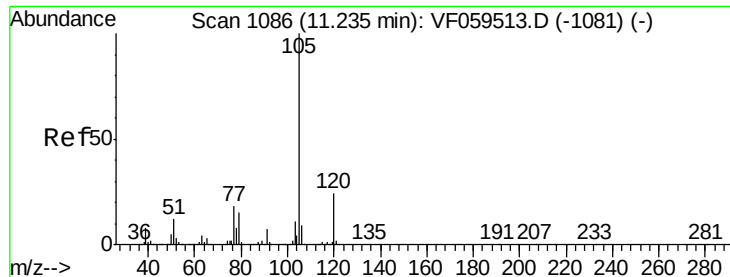
Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tgt Ion:	152	Resp:	227032
Ion Ratio	Lower	Upper	
152	100		
115	61.9	27.8	83.3
150	160.3	0.0	318.4





#73

Isopropylbenzene

Concen: 49.20 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 704912

Ion Ratio Lower Upper

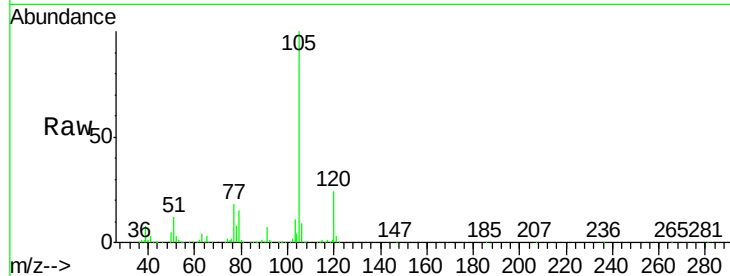
105 100

120 24.3 12.0 36.0

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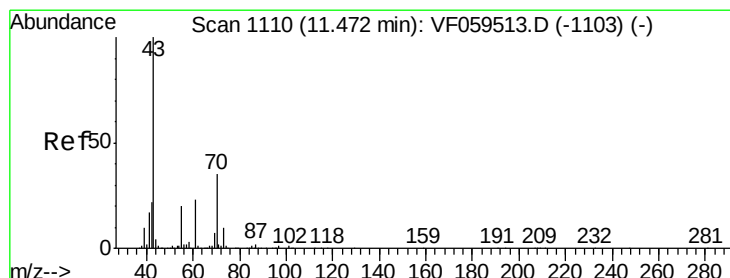
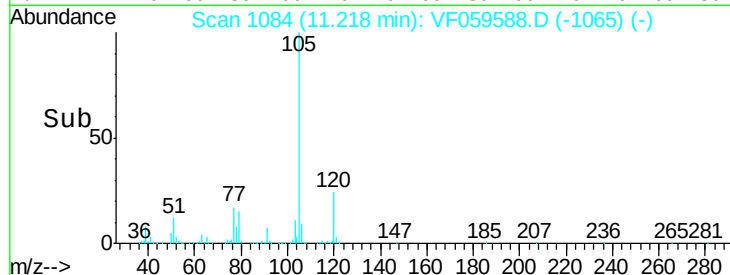
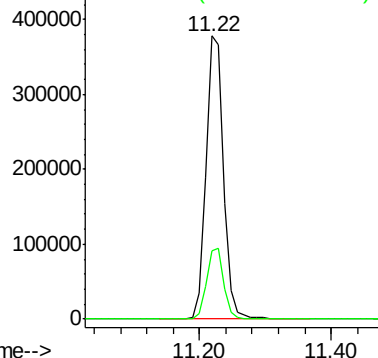
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.78 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tgt Ion: 43 Resp: 205467

Ion Ratio Lower Upper

43 100

70 33.0 27.9 41.9

55 21.7 16.2 24.2

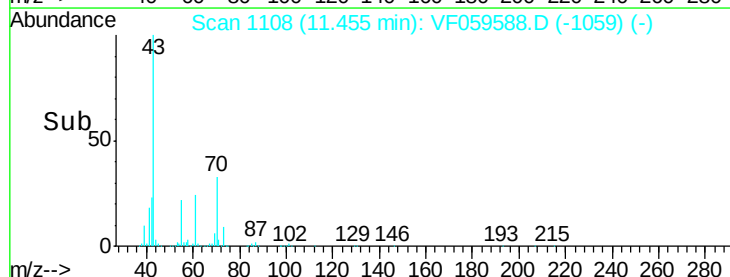
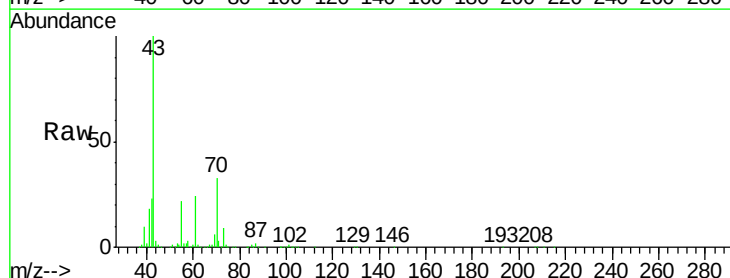
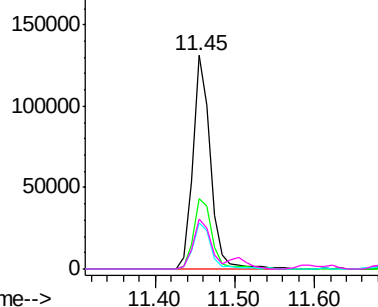
61 23.6 18.6 27.8

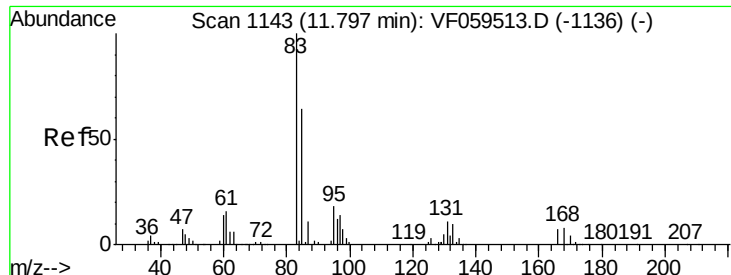
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 49.43 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

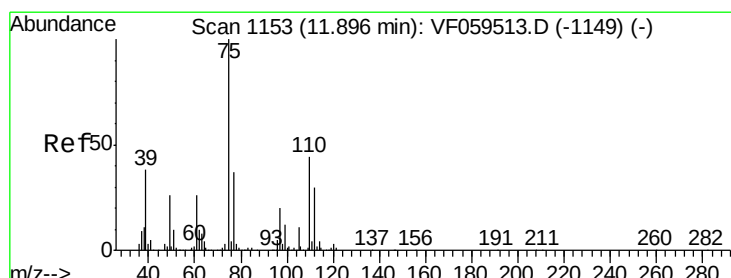
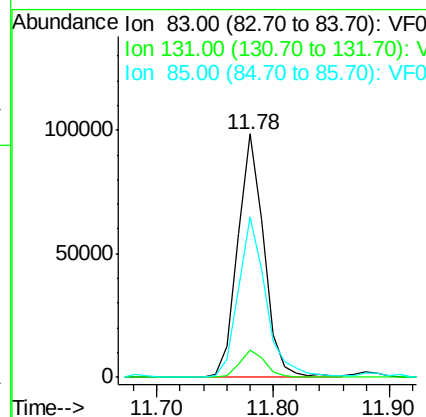
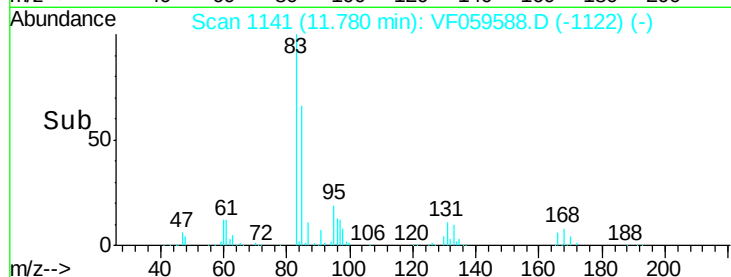
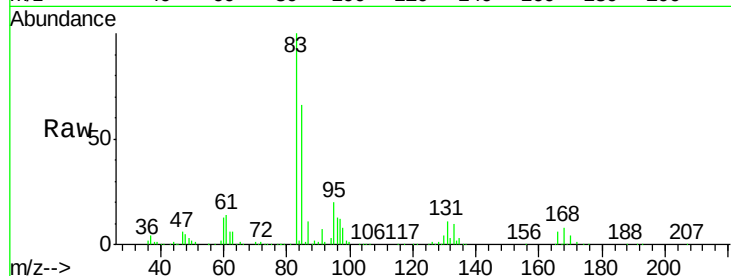
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	154458
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.1
85	66.0	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 47.39 ug/l

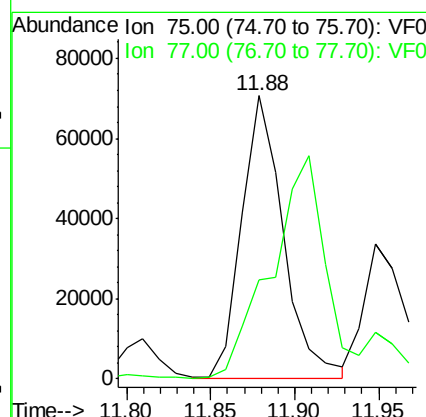
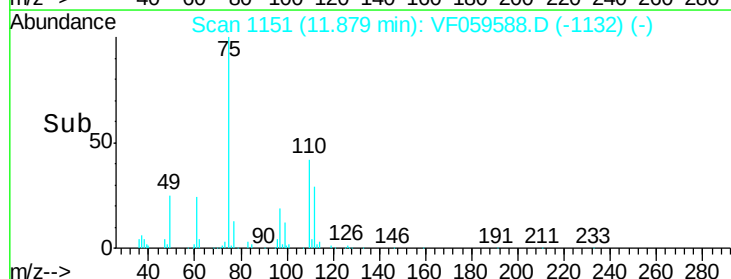
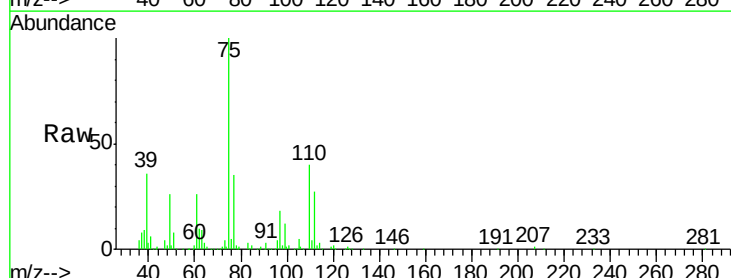
RT: 11.88 min Scan# 1151

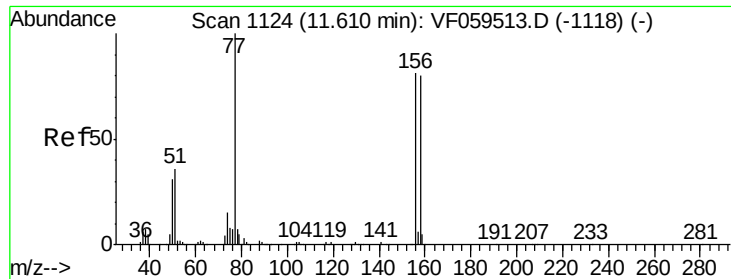
Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tgt Ion:	75	Resp:	120914
Ion Ratio	Lower	Upper	
75	100		
77	35.1	18.7	56.1





#77

Bromobenzene

Concen: 48.41 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

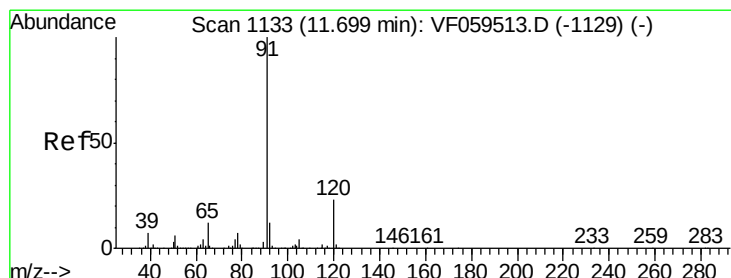
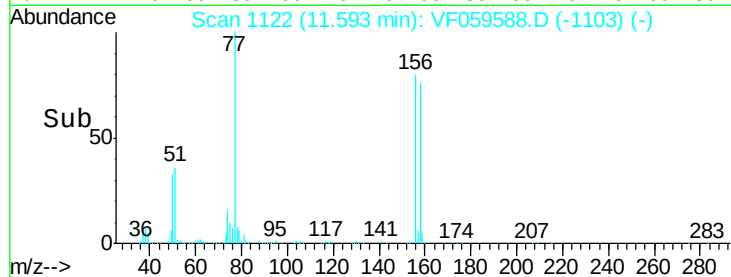
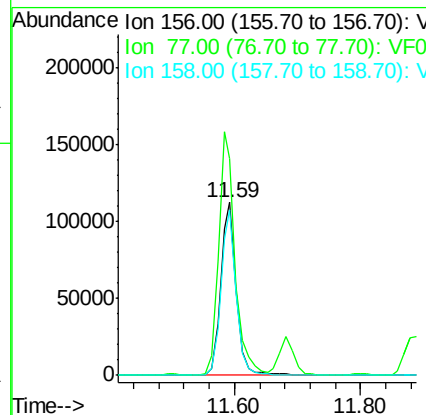
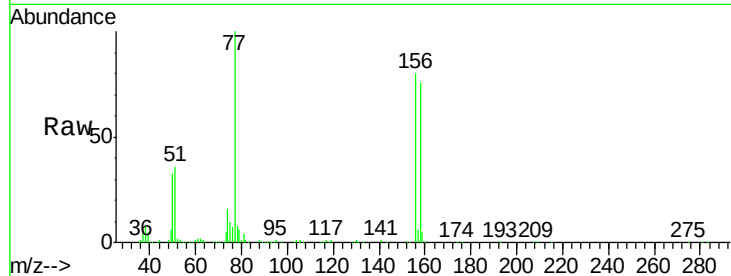
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	125.5	62.0	186.0
158	95.9	49.8	149.3

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#78

n-propylbenzene

Concen: 49.07 ug/l

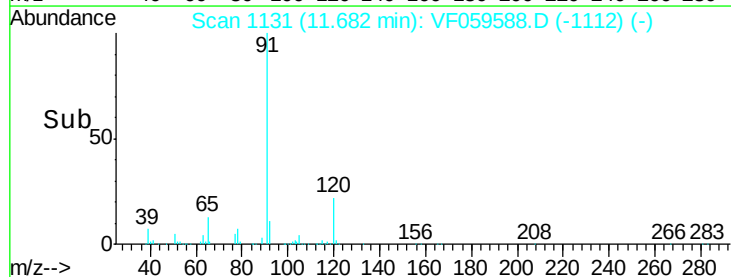
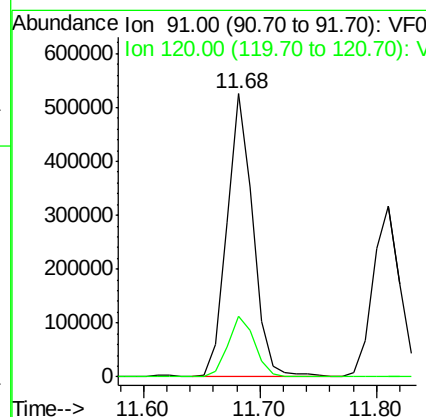
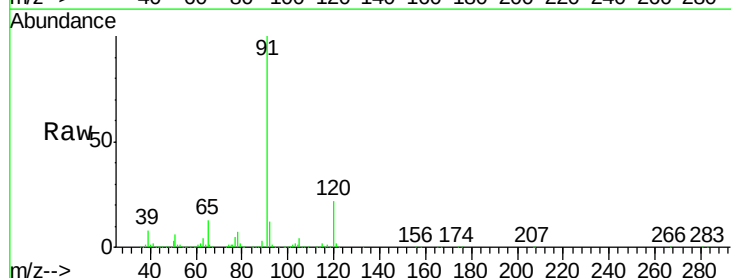
RT: 11.68 min Scan# 1131

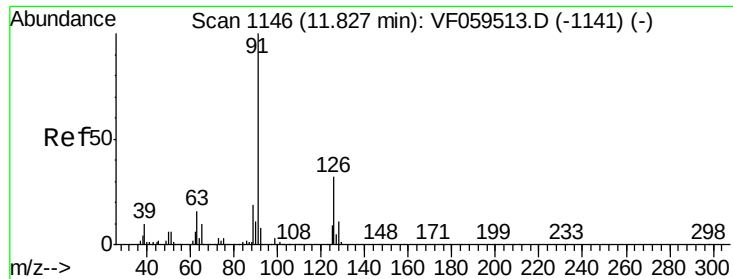
Delta R.T. -0.02 min

Lab File: VF059588.D

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Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.3	33.9





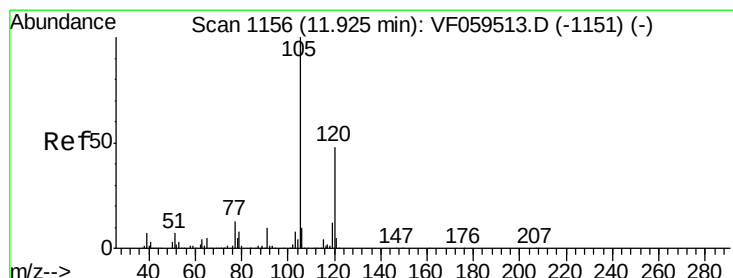
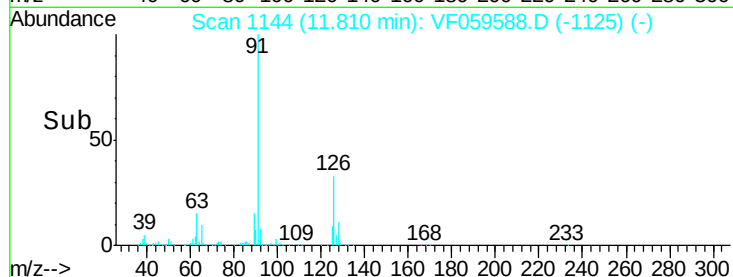
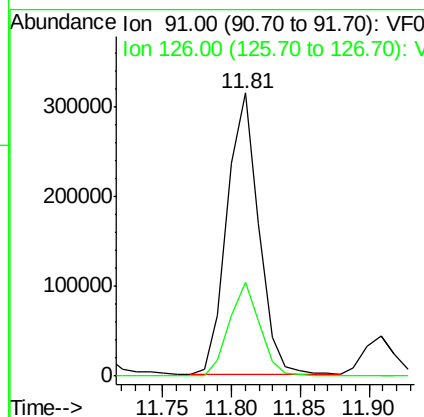
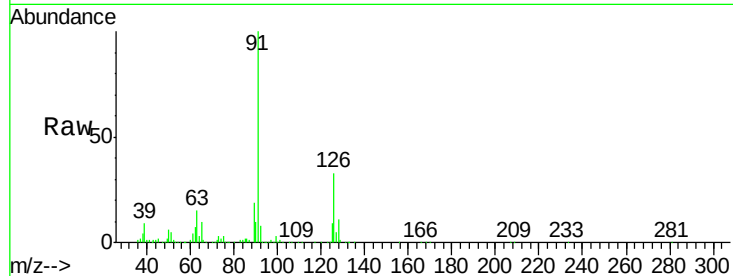
#79
 2-Chlorotoluene
 Concen: 49.49 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VF059588.D
 Acq: 20 Jul 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 500925
 Ion Ratio Lower Upper
 91 100
 126 33.2 15.7 47.1

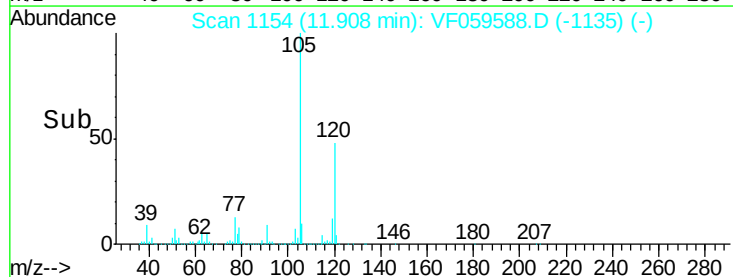
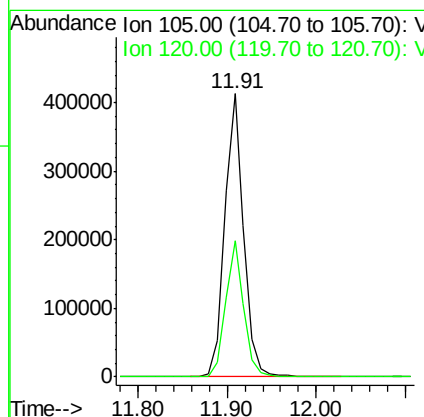
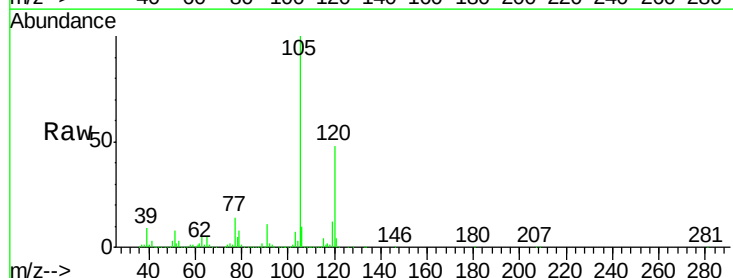
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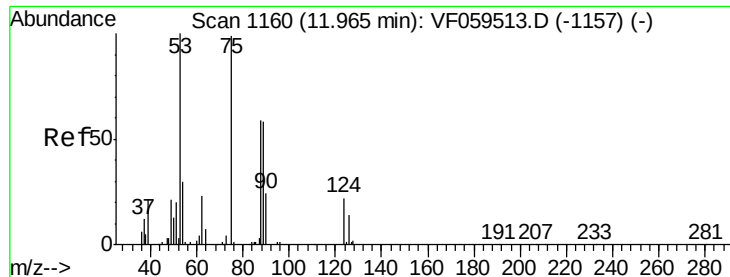
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.34 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VF059588.D
 Acq: 20 Jul 2018 17:45

Tgt Ion: 105 Resp: 616248
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.4





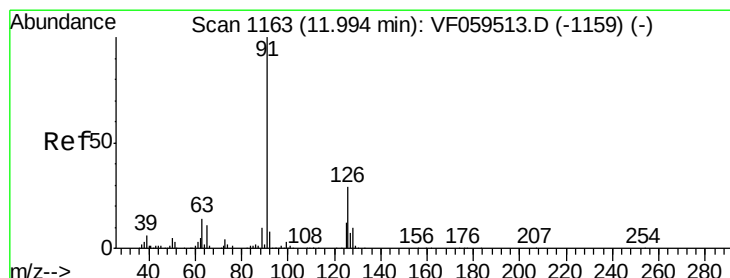
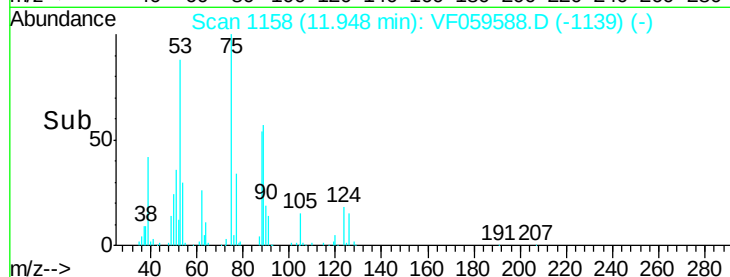
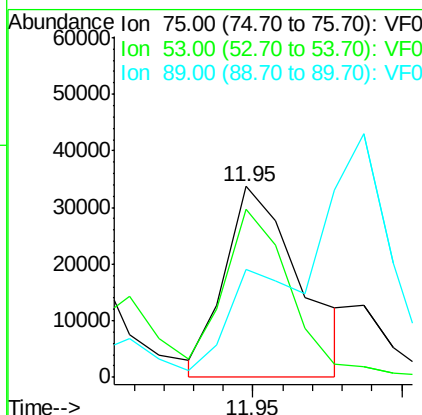
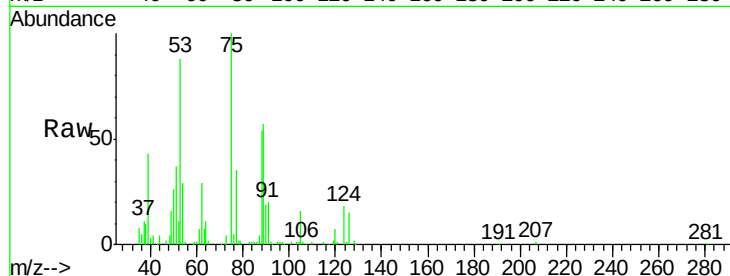
#81
trans-1,4-Dichloro-2-butene
Concen: 50.96 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.1	84.6	127.0
89	56.8	48.2	72.4

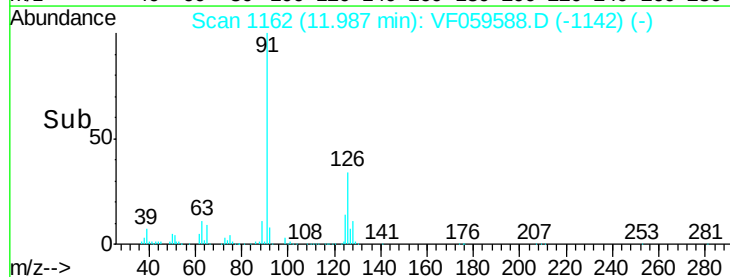
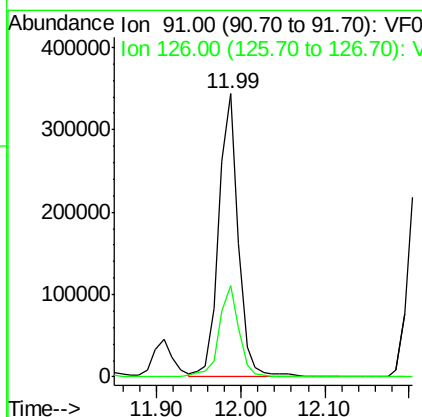
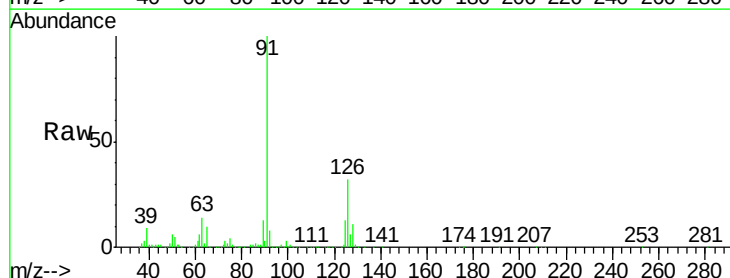
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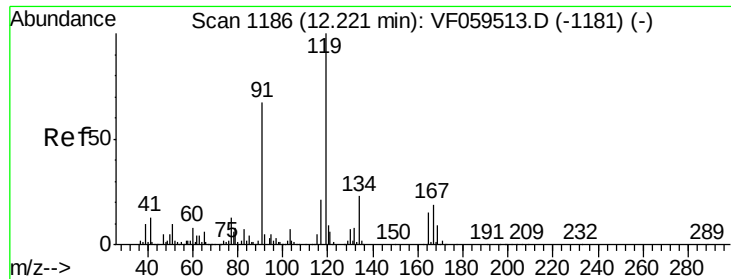
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#82
4-Chlorotoluene
Concen: 48.49 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	14.4	43.4





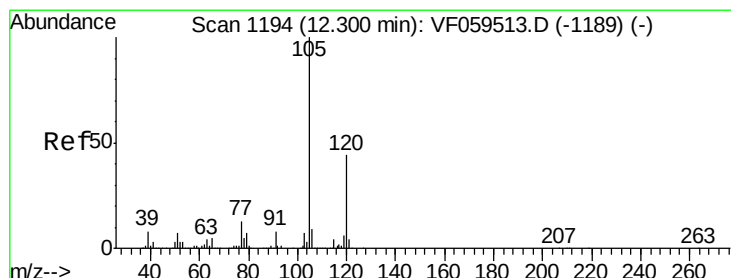
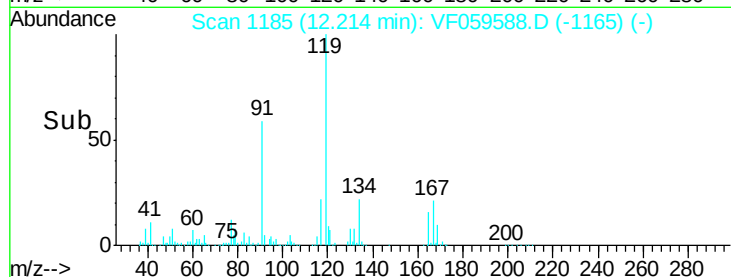
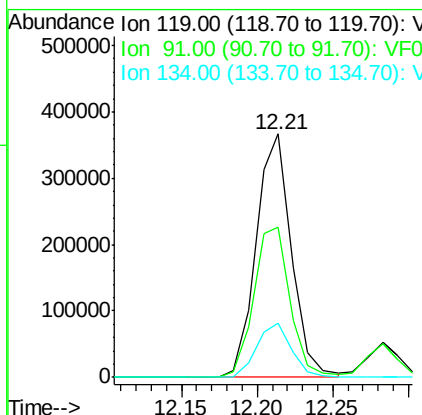
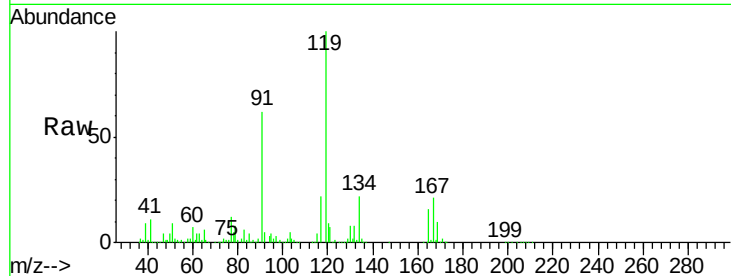
#83
 tert-Butylbenzene
 Concen: 51.69 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF059588.D
 Acq: 20 Jul 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	595551		
91	61.7	33.5	100.5	
134	22.2	11.3	33.8	

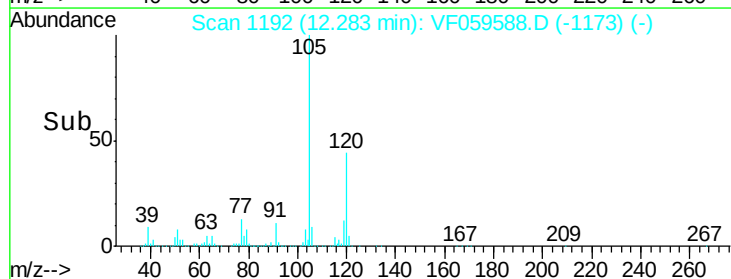
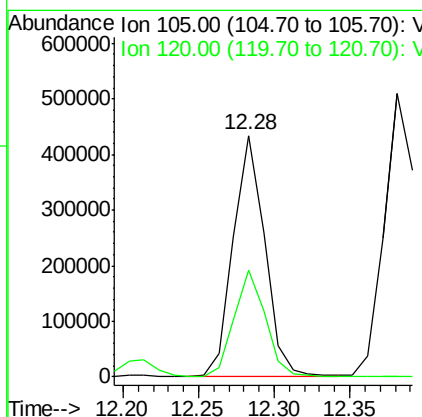
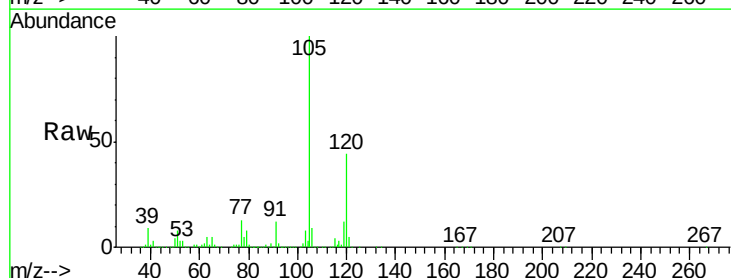
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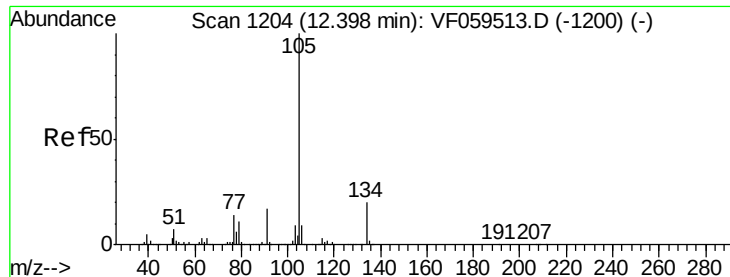
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.03 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: VF059588.D
 Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	630232		
120	44.1	22.5	67.5	





#85

sec-Butylbenzene

Concen: 52.69 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 772076

Ion Ratio Lower Upper

105 100

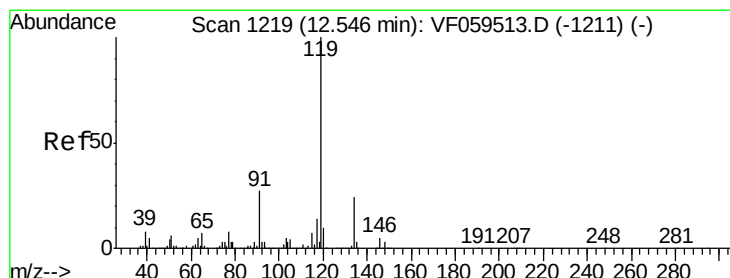
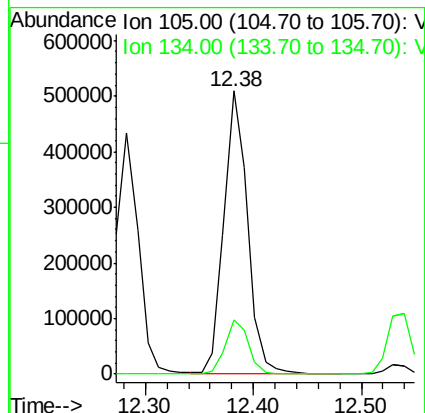
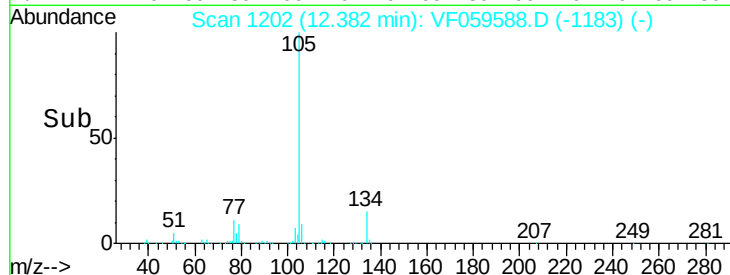
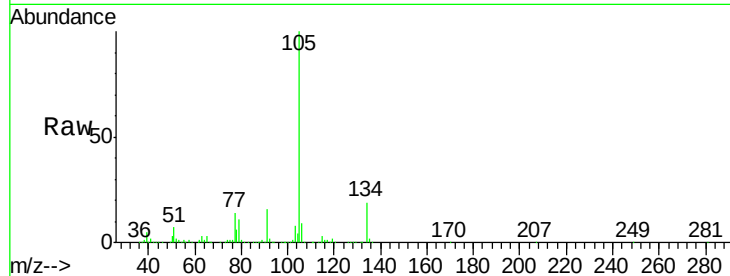
134 19.1 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.16 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

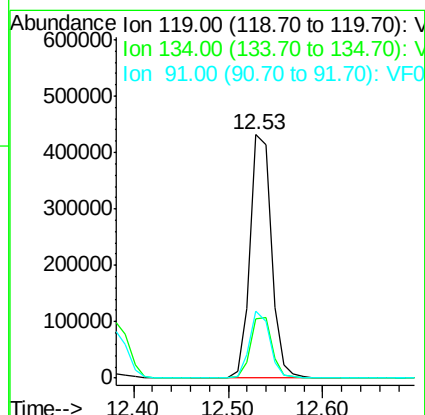
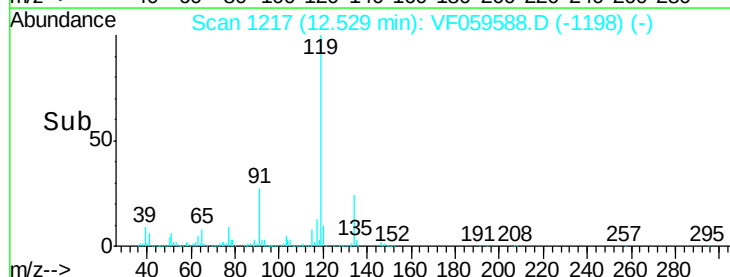
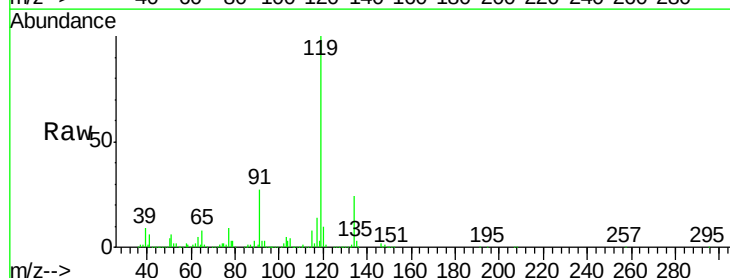
Tgt Ion:119 Resp: 677683

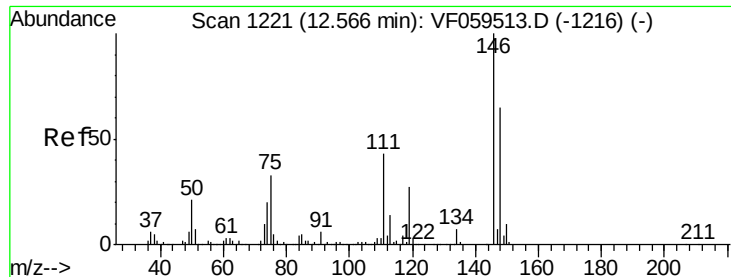
Ion Ratio Lower Upper

119 100

134 24.2 12.0 36.0

91 27.4 13.5 40.4





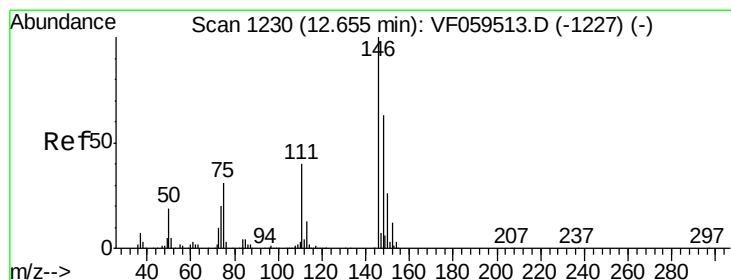
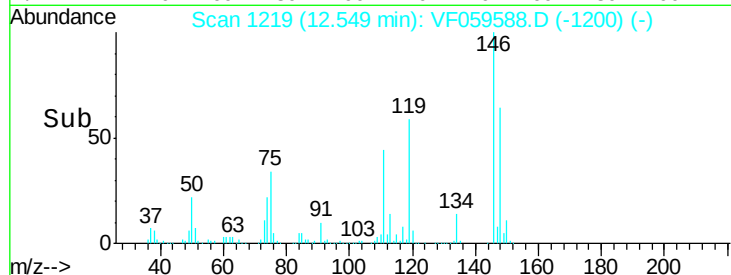
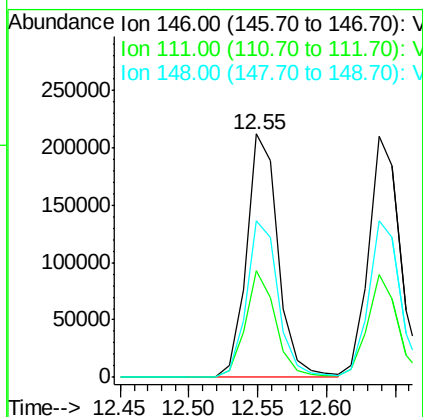
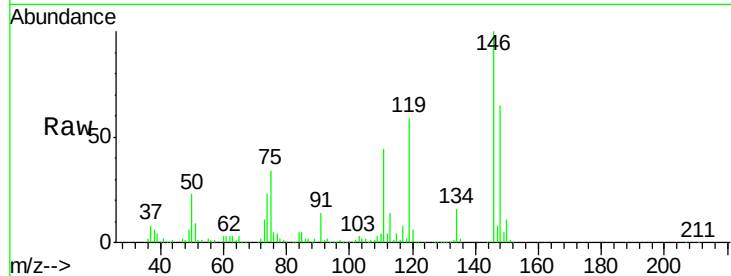
#87
 1,3-Dichlorobenzene
 Concen: 49.21 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: VF059588.D
 Acq: 20 Jul 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.4	64.3
148	64.5	32.7	98.1

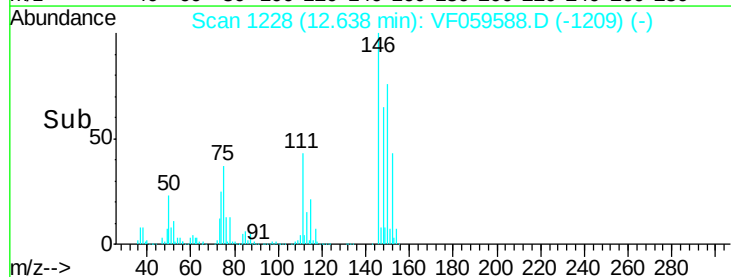
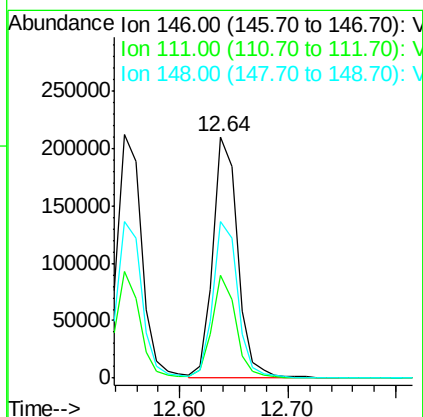
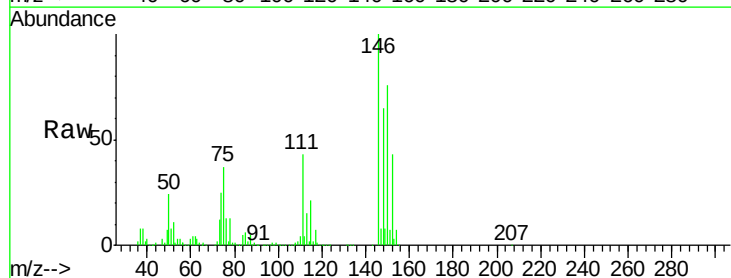
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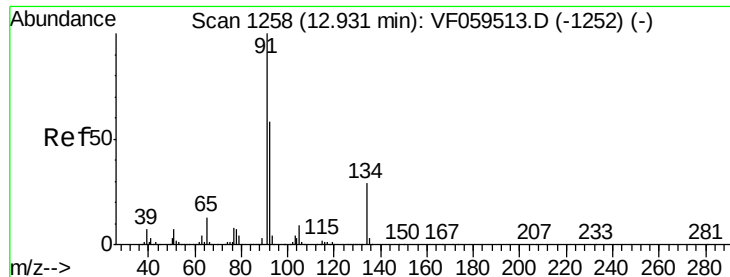
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#88
 1,4-Dichlorobenzene
 Concen: 49.22 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VF059588.D
 Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.0	59.9
148	65.0	31.5	94.5





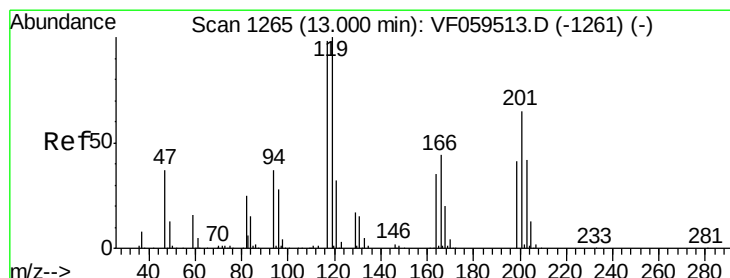
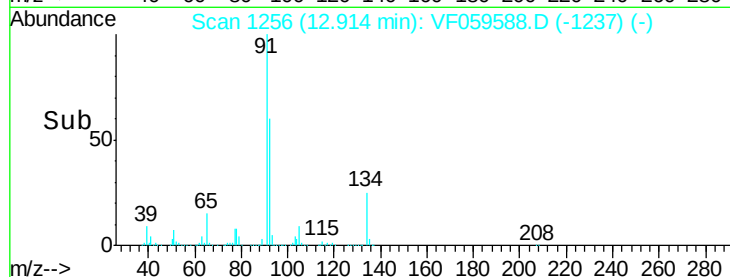
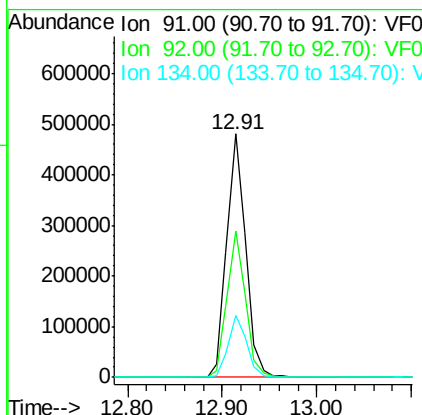
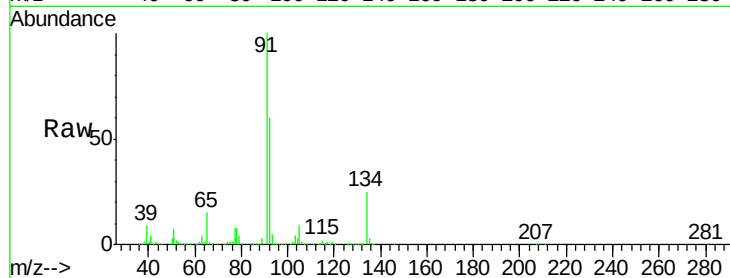
#89
n-Butylbenzene
Concen: 55.76 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.2	29.1	87.3
134	25.4	14.3	42.9

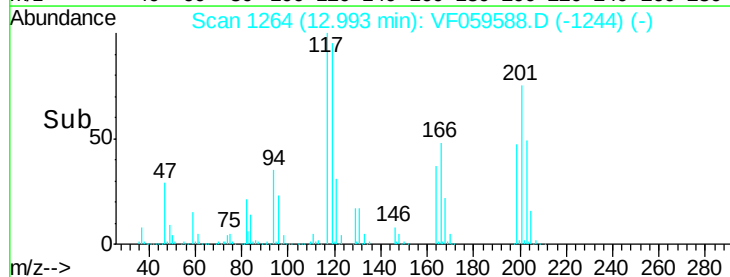
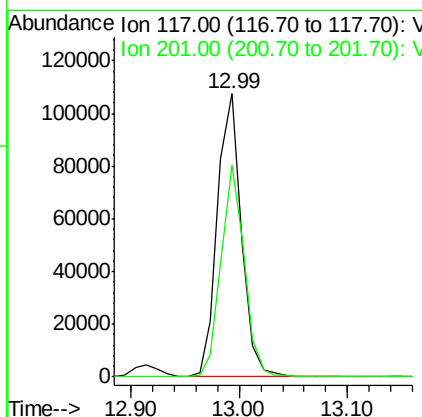
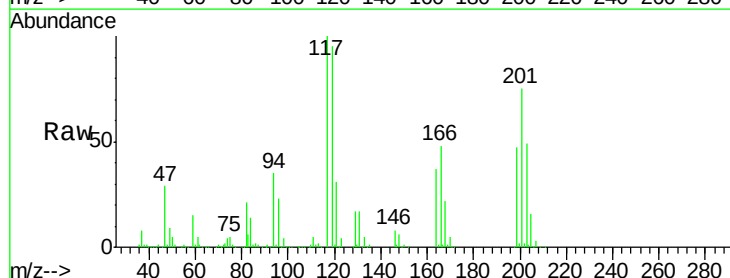
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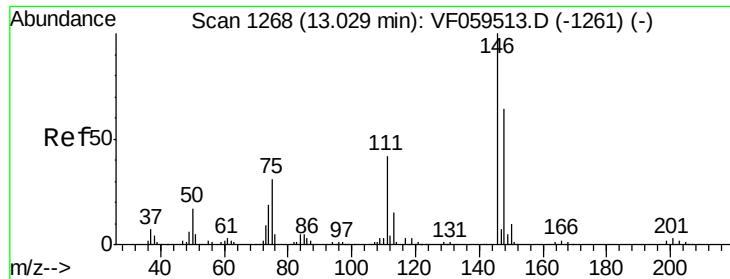
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#90
Hexachloroethane
Concen: 57.07 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	32.6	98.0





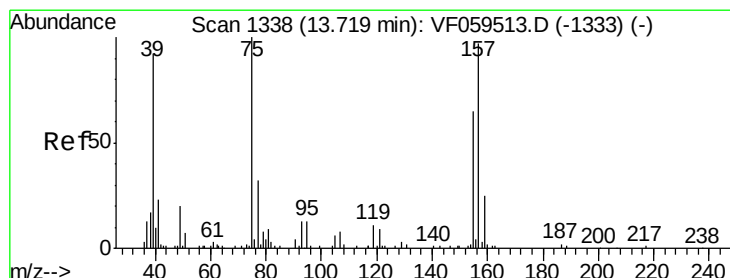
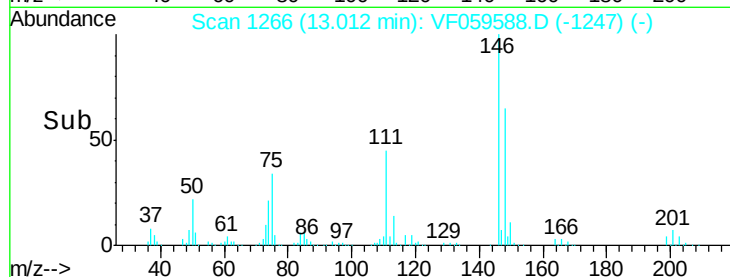
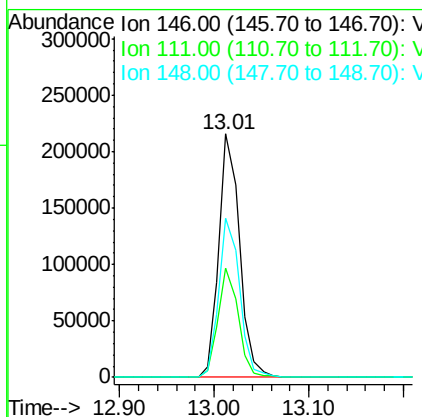
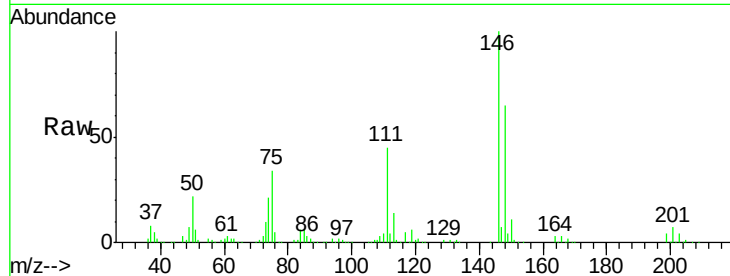
#91
1,2-Dichlorobenzene
Concen: 50.09 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. -0.02 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	45.0	21.1	63.1	
148	65.3	32.3	96.8	

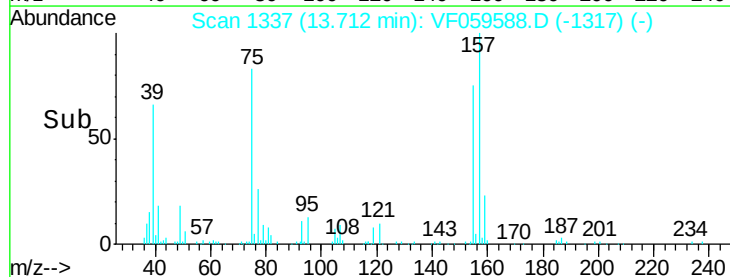
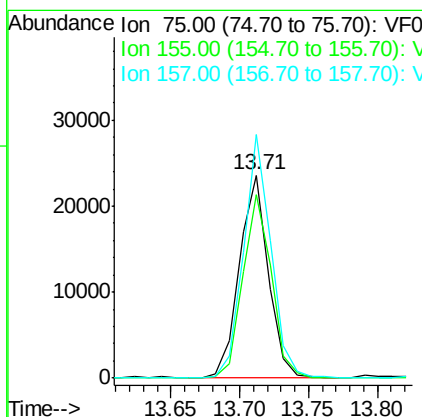
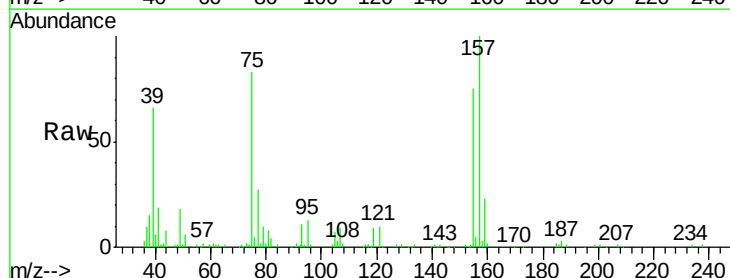
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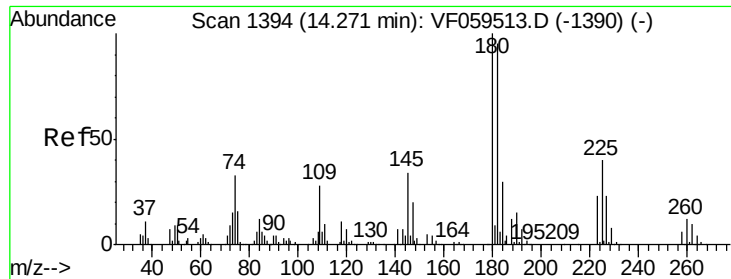
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#92
1,2-Dibromo-3-Chloropropane
Concen: 49.12 ug/l
RT: 13.71 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VF059588.D
Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	90.6	32.8	98.3	
157	120.1	48.5	145.5	





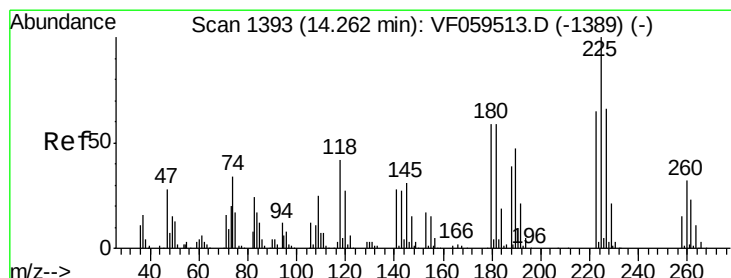
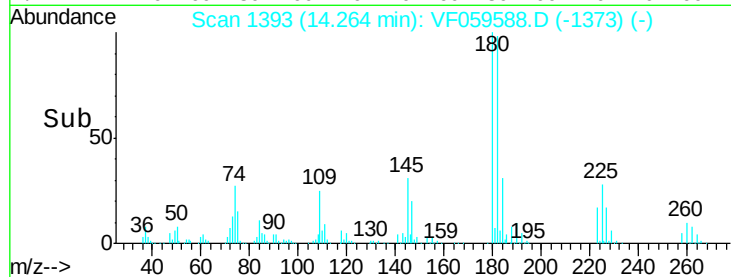
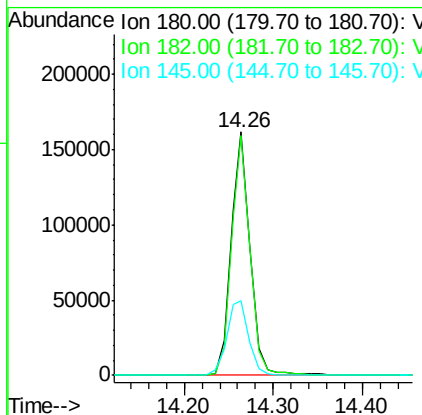
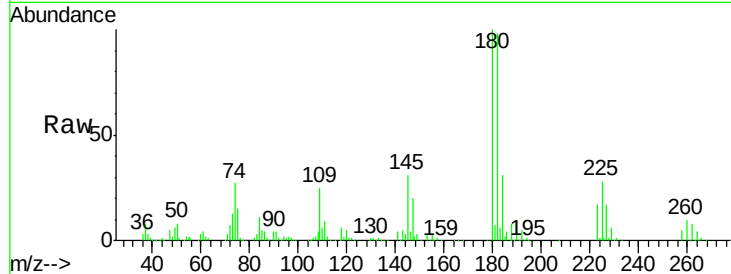
#93
 1,2,4-Trichlorobenzene
 Concen: 60.62 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059588.D
 Acq: 20 Jul 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	242689		
182	98.4	47.5	142.5	
145	30.8	17.3	51.7	

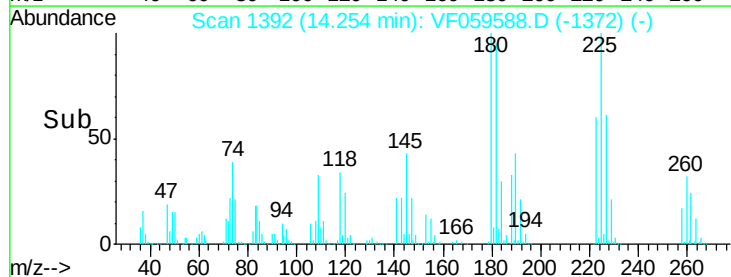
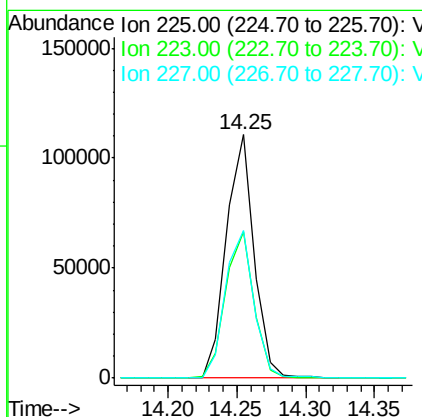
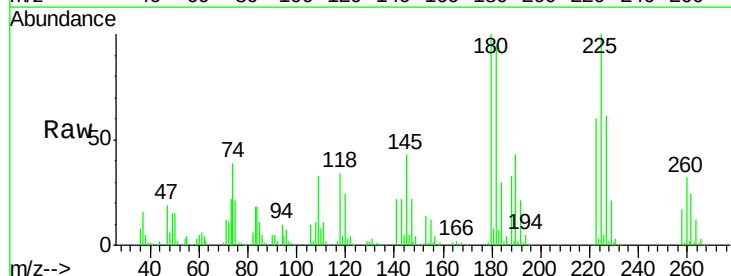
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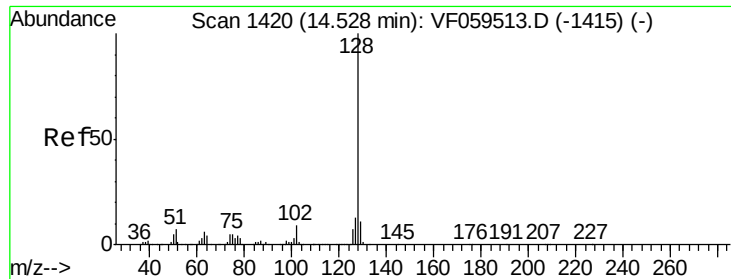
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#94
 Hexachlorobutadiene
 Concen: 75.55 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059588.D
 Acq: 20 Jul 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154950		
223	60.0	32.3	96.8	
227	60.7	33.2	99.6	





#95

Naphthalene

Concen: 60.13 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Instrument :

MSVOA_F

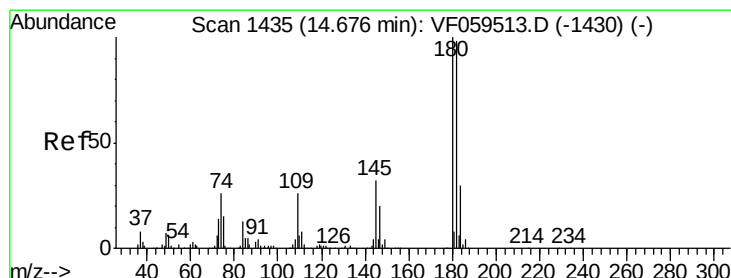
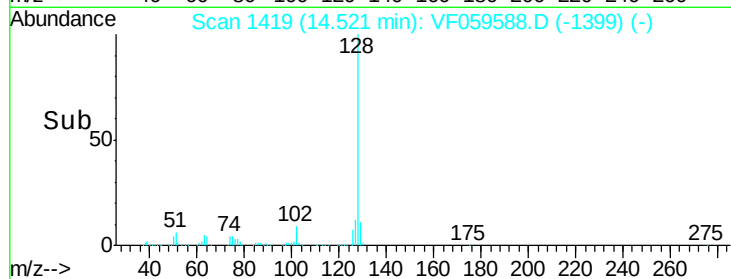
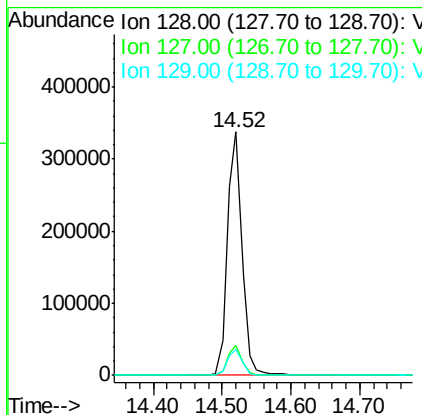
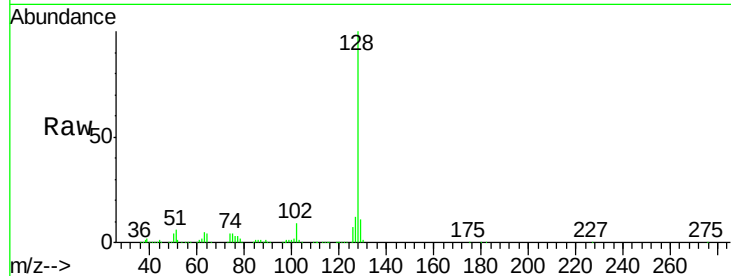
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	500132
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.2	15.2
129	10.5	9.0	13.4

Manual Integrations
APPROVED

apatel
7/23/2018 10:51:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 64.50 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF059588.D

Acq: 20 Jul 2018 17:45

Tgt Ion:	180	Resp:	233326
Ion Ratio	Lower	Upper	
180	100		
182	100.0	48.8	146.4
145	28.4	16.2	48.6

