

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059564.D
 Acq On : 19 Jul 2018 19:06
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/20/2018 11:48:53 AM

Quant Time: Jul 20 05:19:02 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	225453	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	329508	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	326615	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	223506	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	178695	50.96	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	4.29	113	147959	51.85	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	7.71	98	346283	48.17	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.50	95	201978	53.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	141391	51.19	ug/l	97
3) Chloromethane	1.08	50	64230	42.26	ug/l	97
4) Vinyl Chloride	1.15	62	73936	48.21	ug/l	96
5) Bromomethane	1.34	94	60552	56.97	ug/l	93
6) Chloroethane	1.42	64	44183	57.14	ug/l	92
7) Trichlorofluoromethane	1.49	101	190181m	50.67	ug/l	
8) Diethyl Ether	1.69	74	34063	47.16	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.90	101	102374	64.59	ug/l	92
10) Methyl Iodide	1.96	142	183169	66.01	ug/l	88
11) Tert butyl alcohol	2.68	59	40456	274.98	ug/l #	83
12) 1,1-Dichloroethene	1.85	96	82082	48.70	ug/l	93
13) Acrolein	2.08	56	19951	338.58	ug/l #	81
14) Allyl chloride	2.19	41	146844	69.81	ug/l	84
15) Acrylonitrile	3.06	53	64275	218.49	ug/l #	86
16) Acetone	2.32	43	167831	329.20	ug/l	93
17) Carbon Disulfide	1.83	76	202694m	46.93	ug/l	
18) Methyl Acetate	2.44	43	48382	44.86	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	263007	49.74	ug/l	93
20) Methylene Chloride	2.28	84	83161	52.83	ug/l #	84
21) trans-1,2-Dichloroethene	2.40	96	85715	55.00	ug/l	99
22) Diisopropyl ether	2.92	45	278603	47.13	ug/l	93
23) Vinyl Acetate	3.32	43	777666	225.10	ug/l	98
24) 1,1-Dichloroethane	2.99	63	191584	52.47	ug/l	100
25) 2-Butanone	4.49	43	168836	207.40	ug/l	98
26) 2,2-Dichloropropane	3.75	77	154520	63.97	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	104802	57.78	ug/l	92
28) Bromochloromethane	3.88	49	75554	47.01	ug/l #	99
29) Tetrahydrofuran	4.25	42	78397	235.40	ug/l	96
30) Chloroform	4.03	83	267852	50.79	ug/l	94
31) Cyclohexane	3.86	56	102002	53.94	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	229075	66.83	ug/l	99
36) 1,1-Dichloropropene	4.45	75	165080	50.05	ug/l	95
37) Ethyl Acetate	4.28	43	78618	43.51	ug/l #	1
38) Carbon Tetrachloride	4.17	117	247394	65.46	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	128903	51.50	ug/l	89
40) Benzene	4.81	78	308894	48.28	ug/l	99
41) Methacrylonitrile	4.91	41	40154	42.45	ug/l #	94
42) 1,2-Dichloroethane	5.10	62	212694	50.61	ug/l	99
43) Isopropyl Acetate	7.11	43	100631	42.46	ug/l #	99
44) Trichloroethene	5.67	130	115327	48.69	ug/l	96
45) 1,2-Dichloropropane	6.40	63	86593	48.76	ug/l	97
46) Dibromomethane	6.25	93	79522	49.17	ug/l	92
47) Bromodichloromethane	6.54	83	209324	50.28	ug/l	97
48) Methyl methacrylate	6.87	41	73168	43.23	ug/l	100
49) 1,4-Dioxane	6.86	88	9730	1312.90	ug/l	90
51) 4-Methyl-2-Pentanone	8.40	43	374066	222.66	ug/l	94
52) Toluene	7.78	92	227959	49.12	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	187131	48.87	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	182501	47.86	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	93863	52.20	ug/l	97
56) Ethyl methacrylate	8.75	69	101928	45.71	ug/l	97
57) 1,3-Dichloropropane	9.00	76	152125	47.85	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	52602	267.21	ug/l	100
59) 2-Hexanone	9.63	43	288477	227.21	ug/l	97
60) Dibromochloromethane	8.86	129	156492	51.64	ug/l	97
61) 1,2-Dibromoethane	9.13	107	110745	49.64	ug/l	99
64) Tetrachloroethene	8.30	164	123474	50.77	ug/l	95
65) Chlorobenzene	9.93	112	307335	50.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	146629	52.55	ug/l	96
67) Ethyl Benzene	10.03	91	566012	51.91	ug/l	98
68) m/p-Xylenes	10.26	106	392794	102.07	ug/l	98
69) o-Xylene	10.82	106	220199	53.74	ug/l	89
70) Styrene	10.90	104	324252	51.48	ug/l	97
71) Bromoform	10.88	173	98169	50.65	ug/l	96
73) Isopropylbenzene	11.23	105	687228	48.73	ug/l	98
74) N-amyl acetate	11.46	43	165729	36.69	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	134503	43.73	ug/l	94
76) 1,2,3-Trichloropropane	11.89	75	108833	43.33	ug/l	100
77) Bromobenzene	11.59	156	182261	46.11	ug/l	89
78) n-propylbenzene	11.69	91	804697	49.74	ug/l	97
79) 2-Chlorotoluene	11.81	91	493924	49.57	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	596799	50.50	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	47640m	41.52	ug/l	
82) 4-Chlorotoluene	11.98	91	531289	47.58	ug/l	97
83) tert-Butylbenzene	12.21	119	588243	51.86	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	611351	50.28	ug/l	97
85) sec-Butylbenzene	12.39	105	757530	52.52	ug/l	100
86) p-Isopropyltoluene	12.54	119	661006	52.67	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	326714	48.17	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	327920	49.07	ug/l	98
89) n-Butylbenzene	12.91	91	657758	56.00	ug/l	96
90) Hexachloroethane	12.99	117	156487	54.89	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	314992	48.56	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	31297	44.91	ug/l	86

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ClientSampleId :
VSTDCCC050

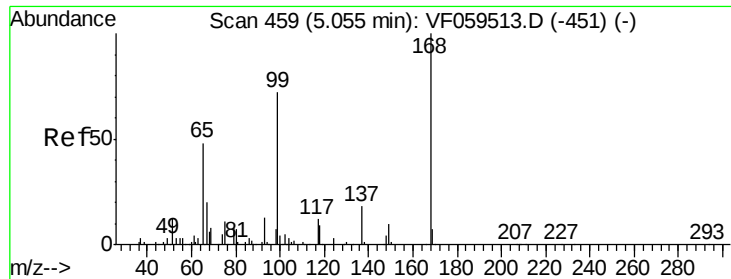
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	240765	61.09	ug/l	98
94) Hexachlorobutadiene	14.25	225	154897	76.72	ug/l	99
95) Naphthalene	14.52	128	467372	57.08	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	235685	66.18	ug/l	100

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



#1

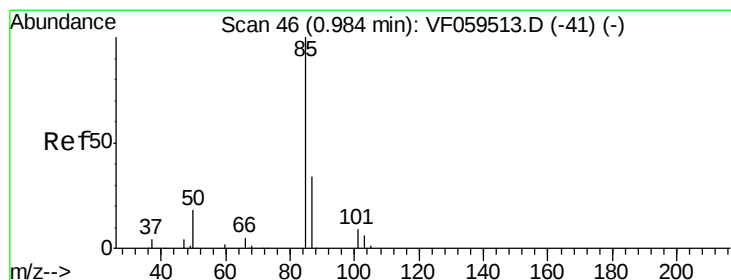
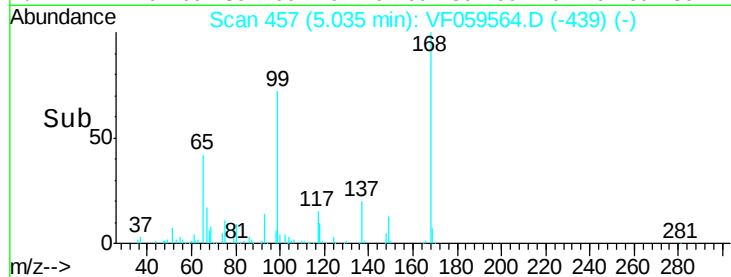
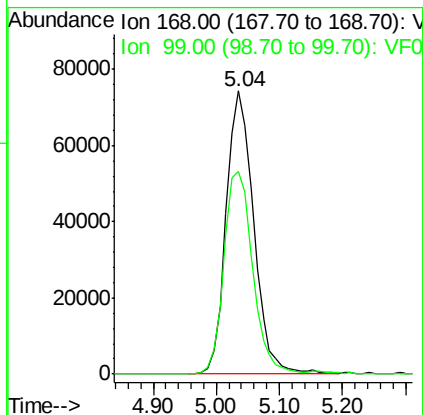
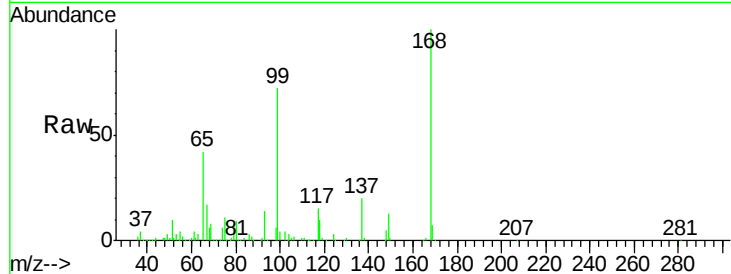
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	71.6	57.6	86.4

Manual Integrations
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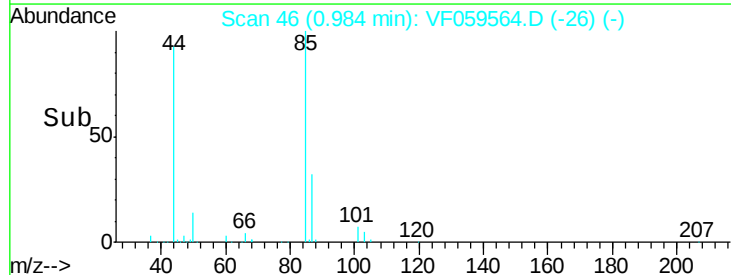
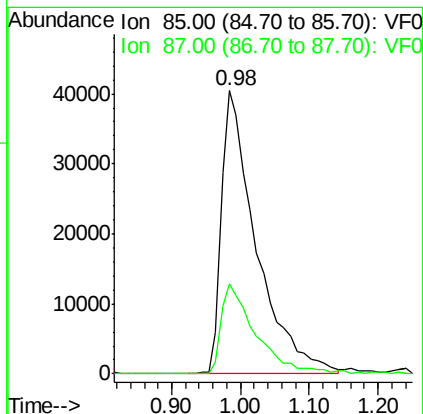
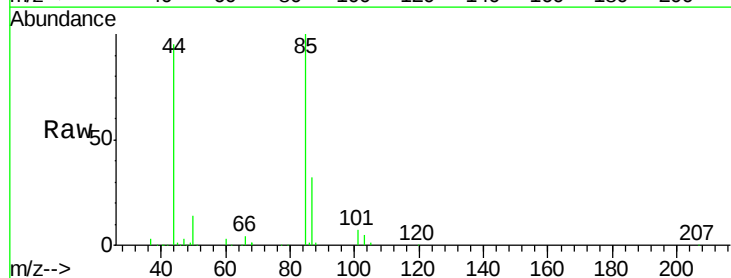
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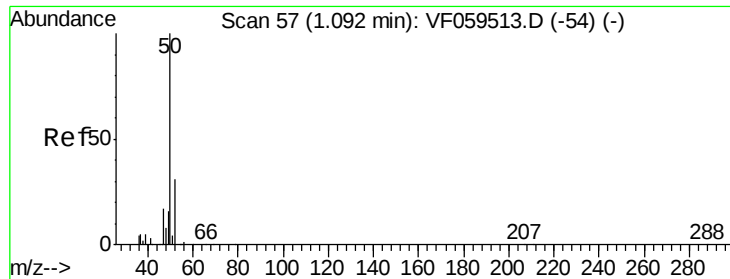


#2

Dichlorodifluoromethane
 Concen: 51.19 ug/l
 RT: 0.98 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.9	50.6





#3

Chloromethane

Concen: 42.26 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 64230

Ion Ratio Lower Upper

50 100

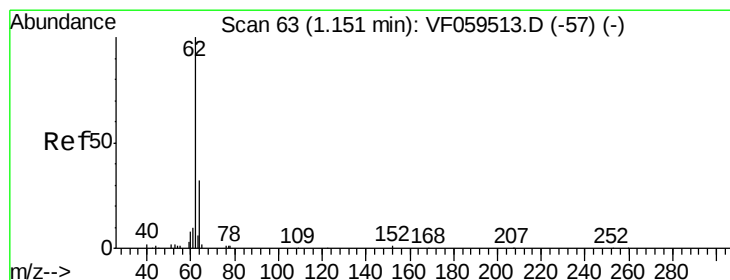
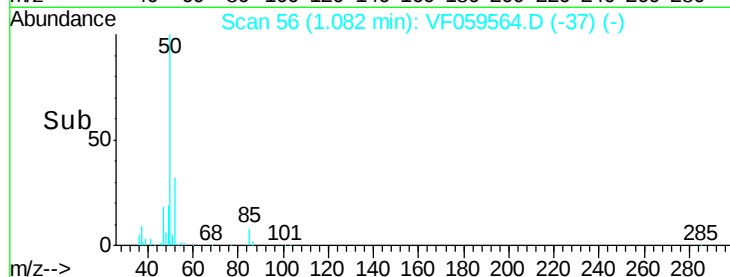
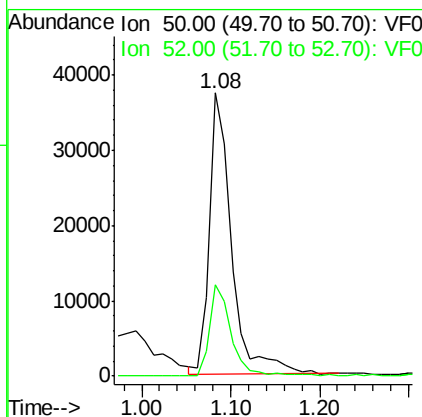
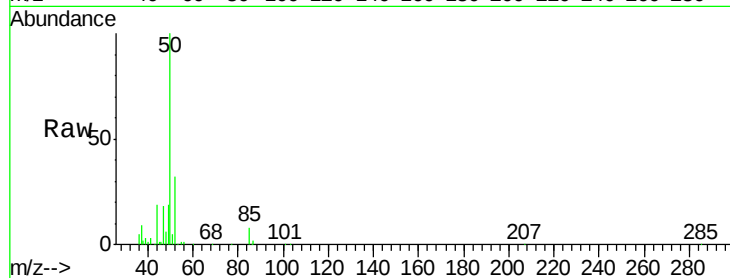
52 32.3 24.6 37.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.21 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059564.D

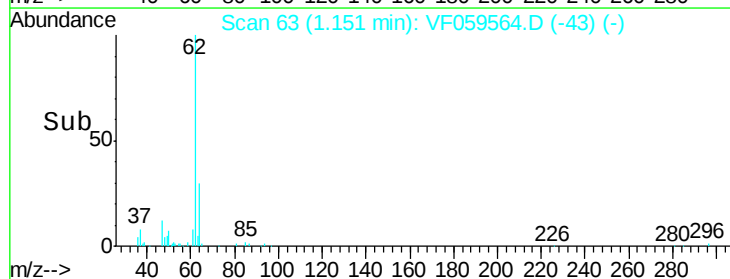
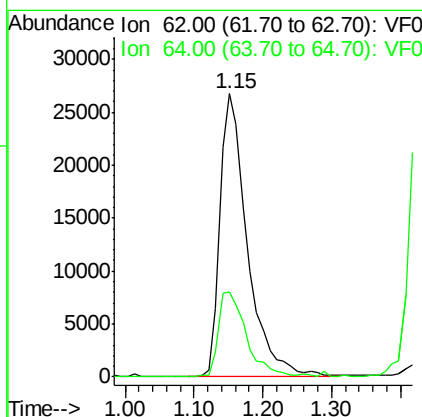
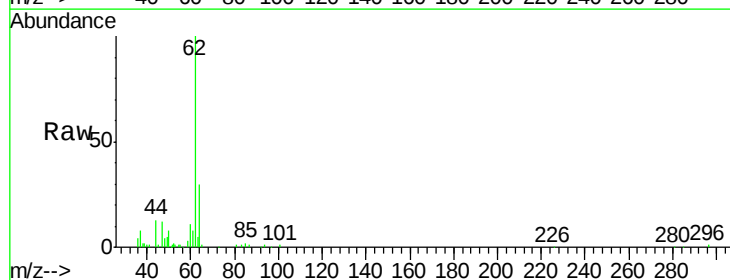
Acq: 19 Jul 2018 19:06

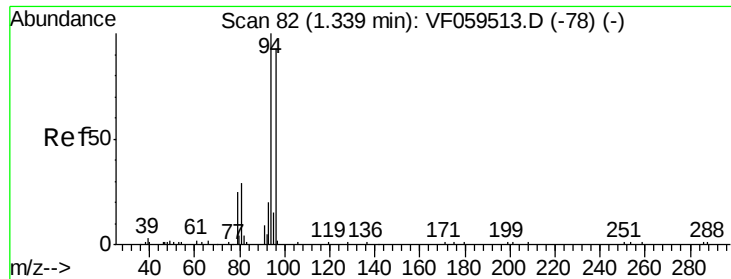
Tgt Ion: 62 Resp: 73936

Ion Ratio Lower Upper

62 100

64 30.0 25.7 38.5





#5

Bromomethane

Concen: 56.97 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 60552

Ion Ratio Lower Upper

94 100

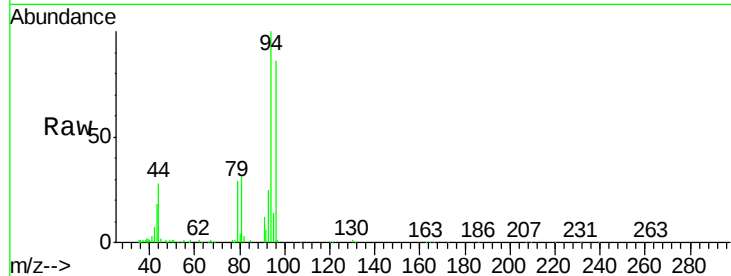
96 85.6 74.2 111.2

Manual Integrations

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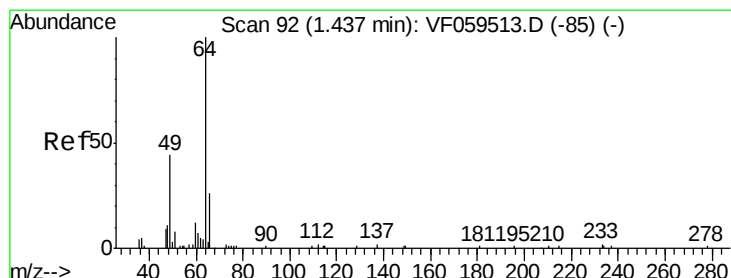
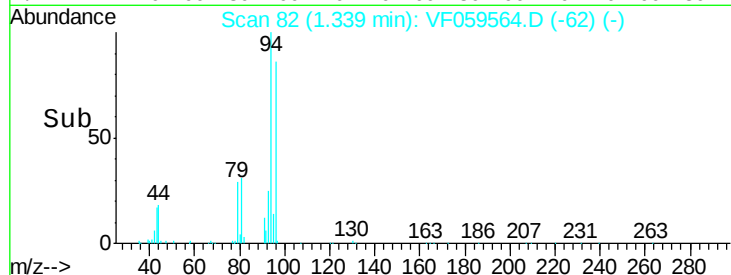
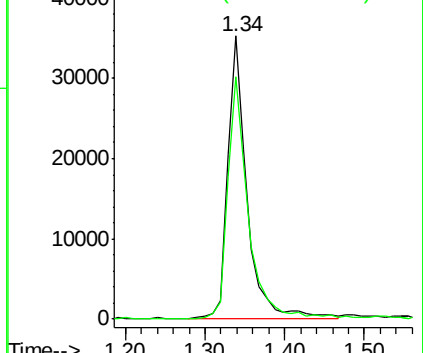
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 57.14 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059564.D

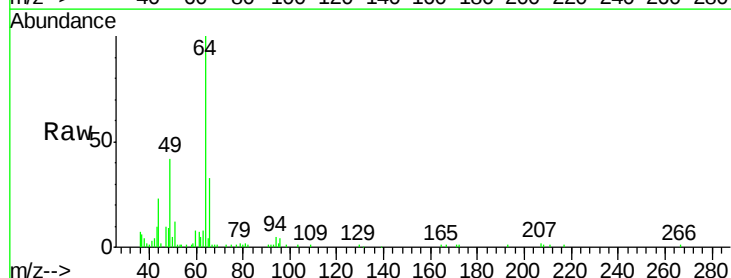
Acq: 19 Jul 2018 19:06

Tgt Ion: 64 Resp: 44183

Ion Ratio Lower Upper

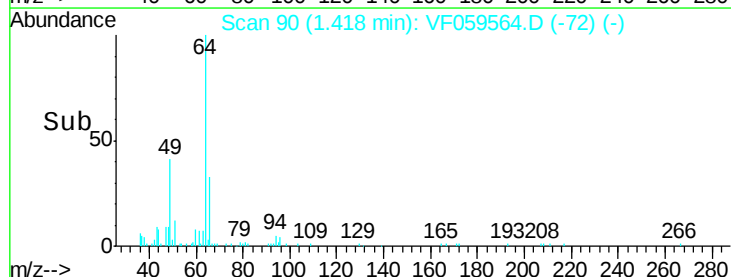
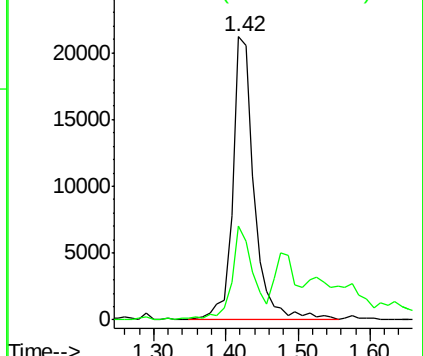
64 100

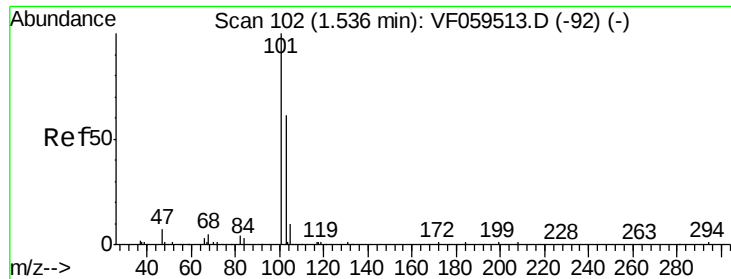
66 33.0 22.9 34.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

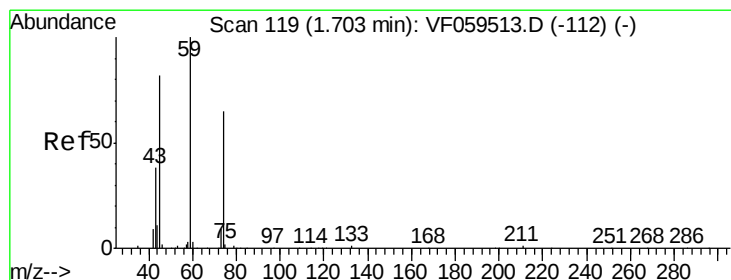
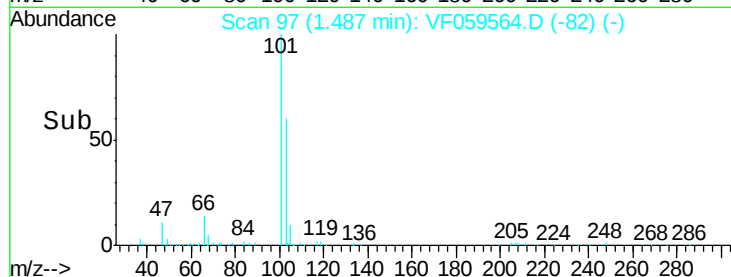
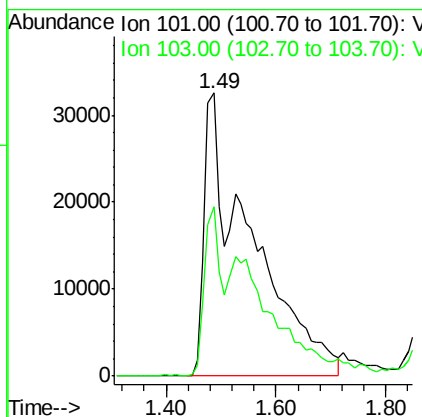
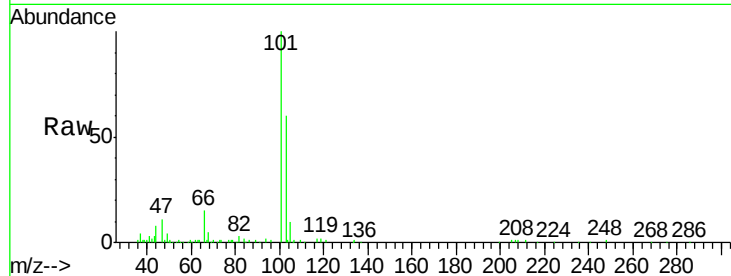
Trichlorofluoromethane
Concen: 50.67 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.05 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.9	48.6	72.8

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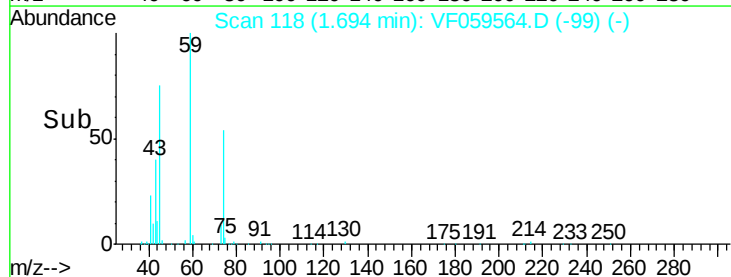
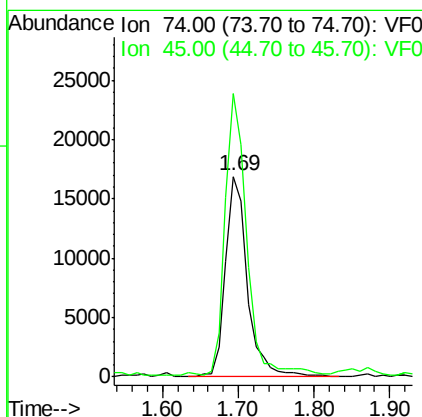
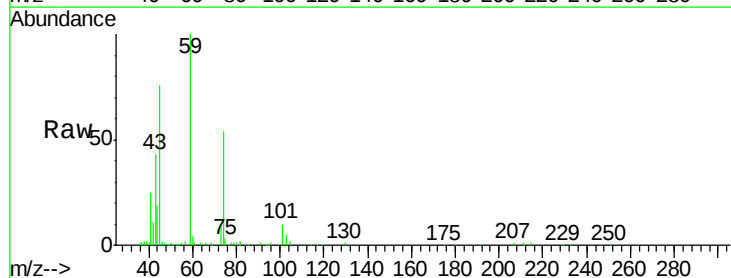
apatel
7/20/2018 11:48:53 AM

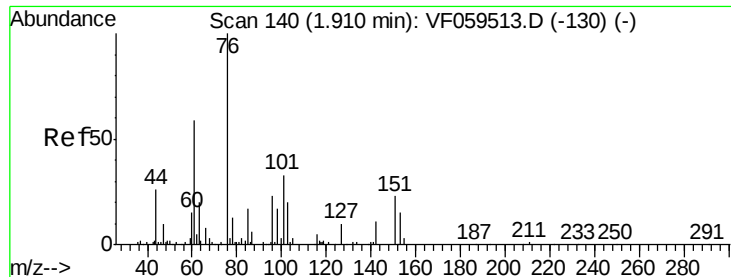


#8

Diethyl Ether
Concen: 47.16 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.9	63.6	190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.59 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

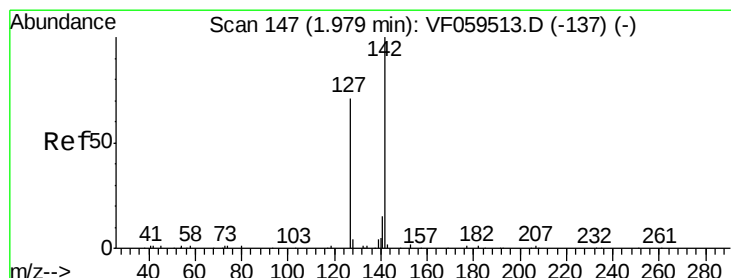
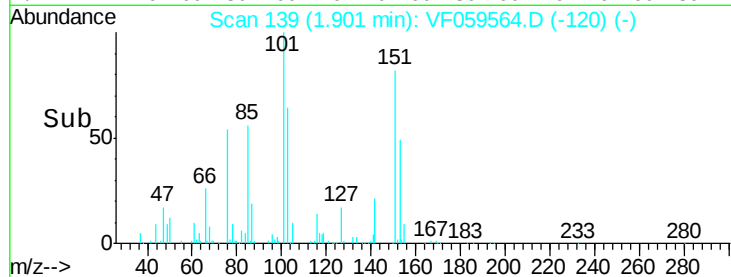
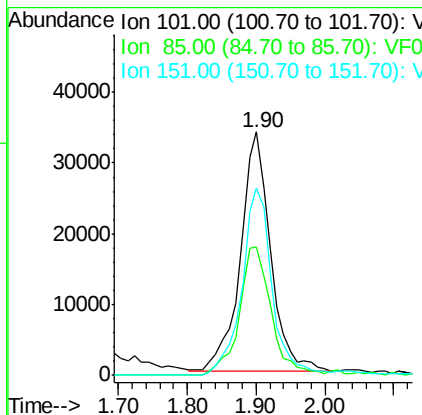
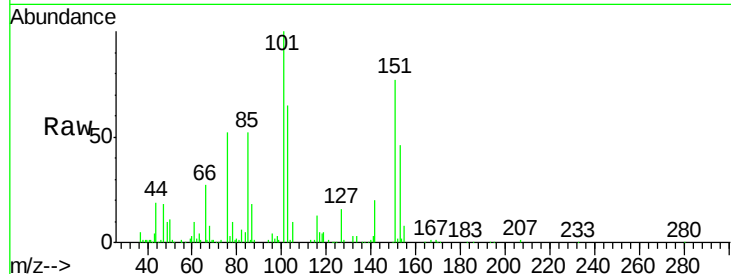
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	102374
Ion Ratio	Lower	Upper	
101	100		
85	52.5	39.8	59.6
151	77.1	54.2	81.2

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#10

Methyl Iodide

Concen: 66.01 ug/l

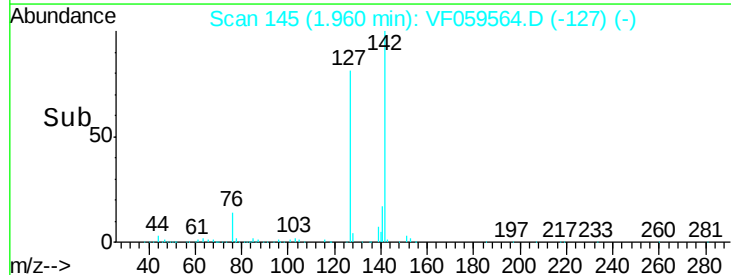
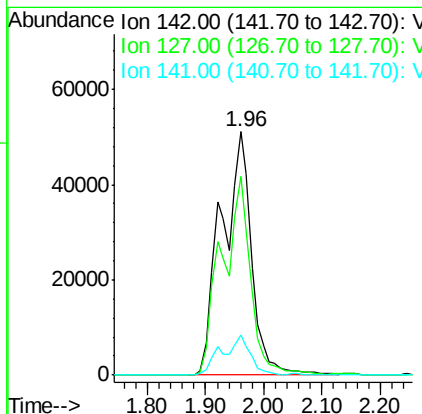
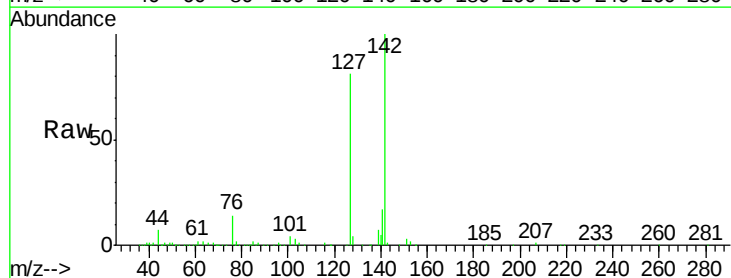
RT: 1.96 min Scan# 145

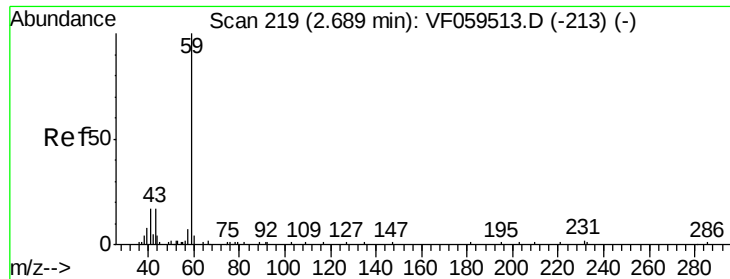
Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion:	142	Resp:	183169
Ion Ratio	Lower	Upper	
142	100		
127	81.4	56.4	84.6
141	16.6	12.0	18.0





#11

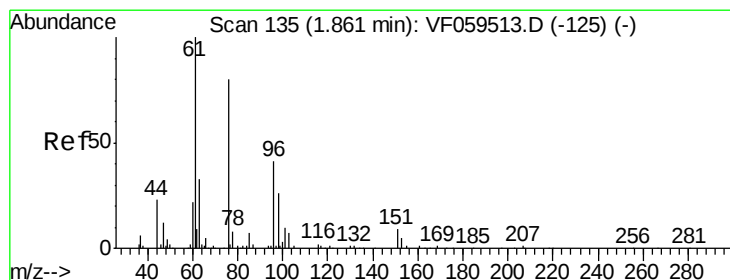
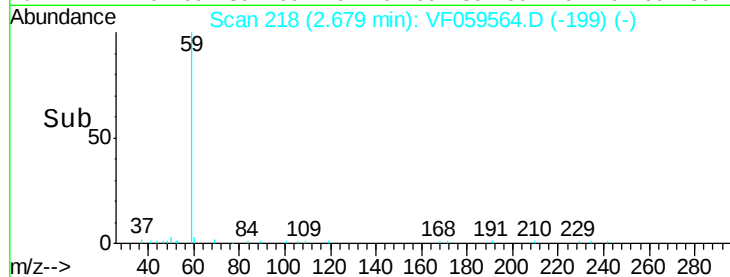
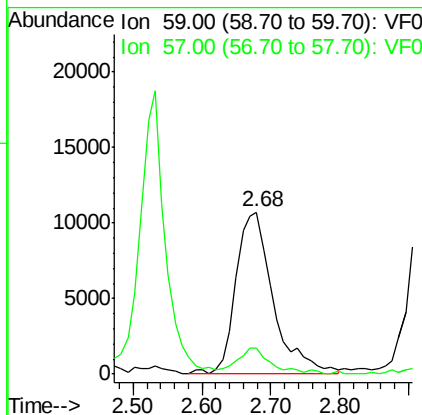
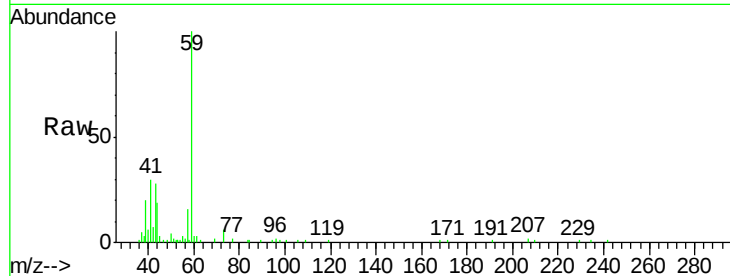
Tert butyl alcohol
Concen: 274.98 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	40456
Ion Ratio	100	Lower	Upper
57	15.7	7.7	11.5#

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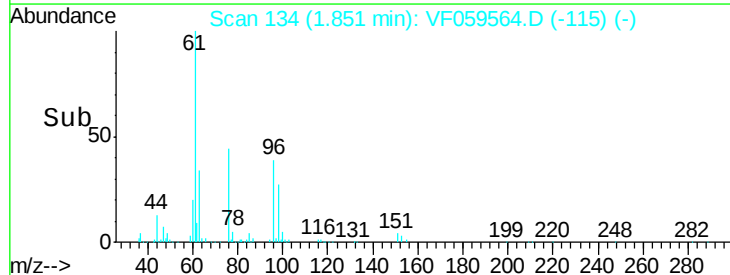
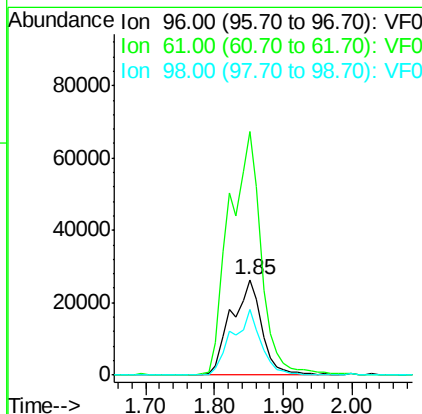
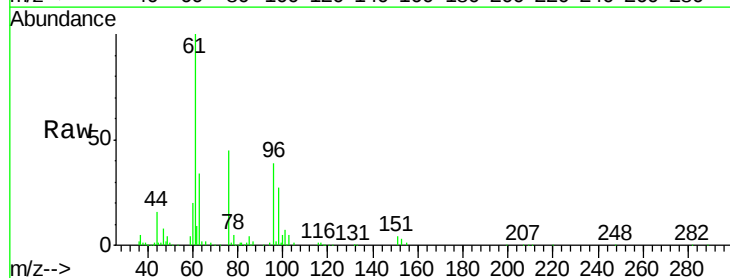
apatel
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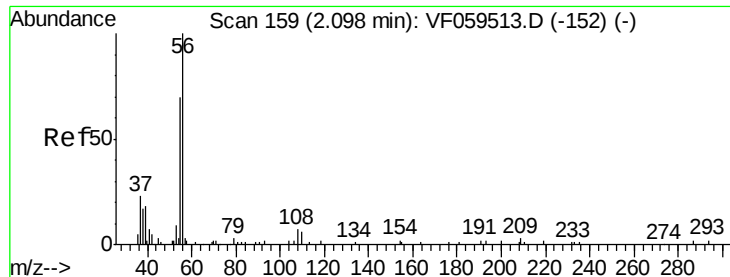


#12

1,1-Dichloroethene
Concen: 48.70 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	96	Resp	82082
Ion Ratio	100	Lower	Upper
61	254.4	194.3	291.5
98	68.1	50.3	75.5





#13

Acrolein

Concen: 338.58 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 19951

Ion Ratio Lower Upper

56 100

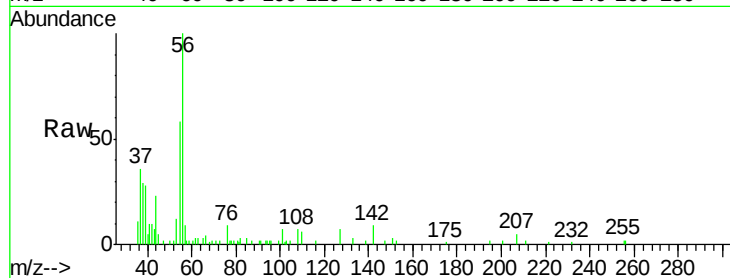
55 58.4 59.4 89.2#

Manual Integrations

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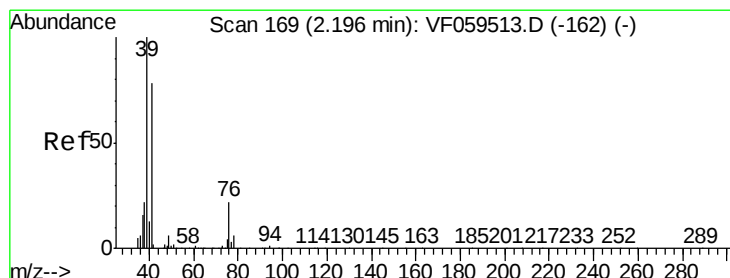
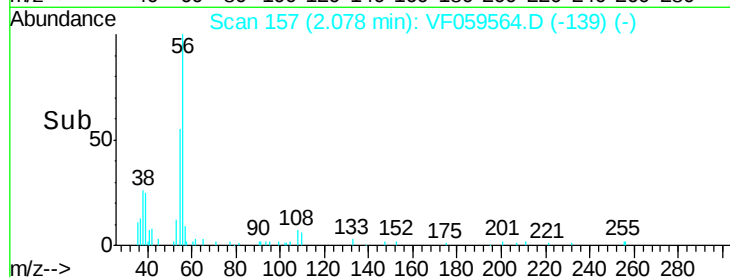
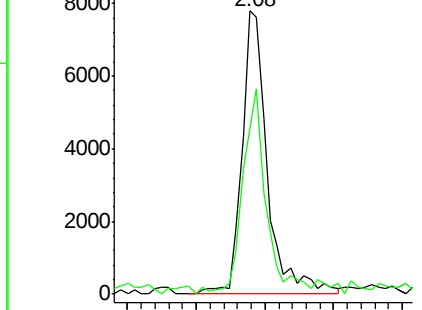
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 69.81 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

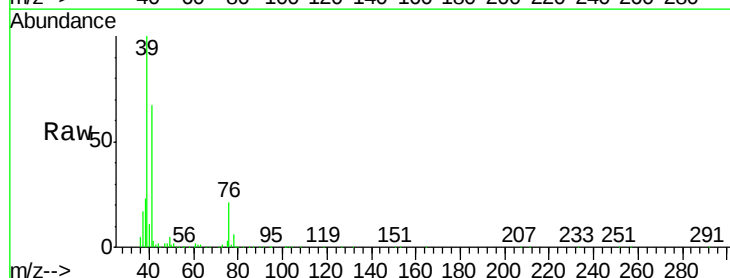
Tgt Ion: 41 Resp: 146844

Ion Ratio Lower Upper

41 100

39 150.0 103.0 154.4

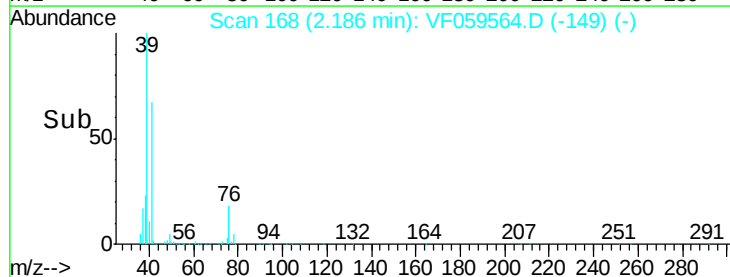
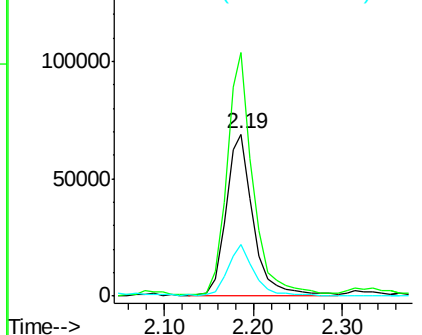
76 31.5 22.6 34.0

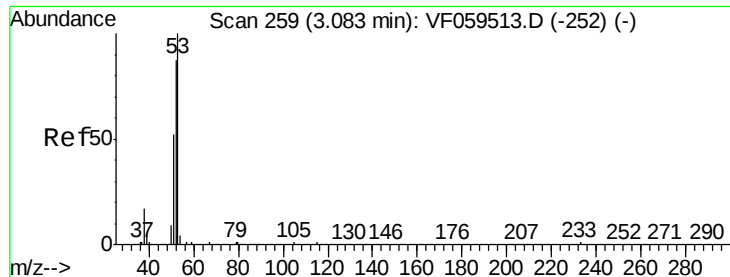


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 218.49 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

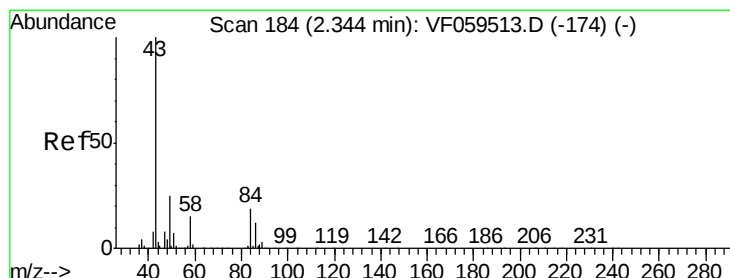
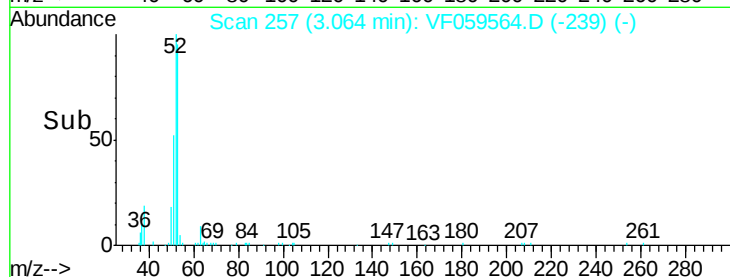
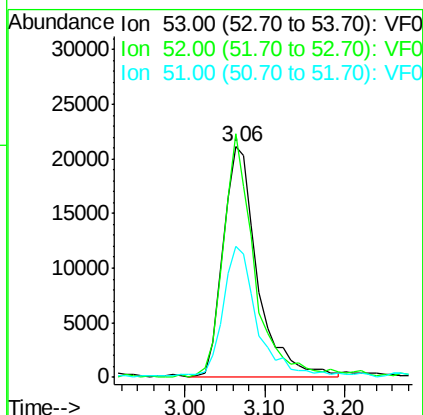
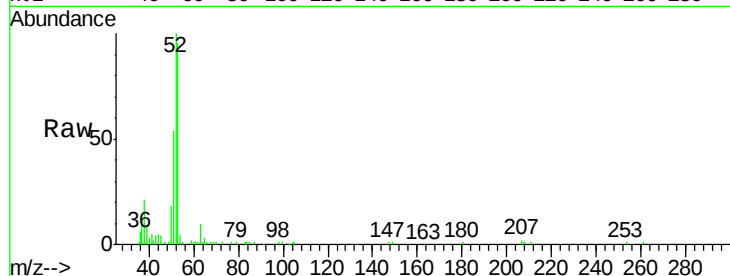
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	64275
Ion Ratio	Lower	Upper	
53	100		
52	105.6	70.1	105.1#
51	56.6	42.5	63.7

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#16

Acetone

Concen: 329.20 ug/l

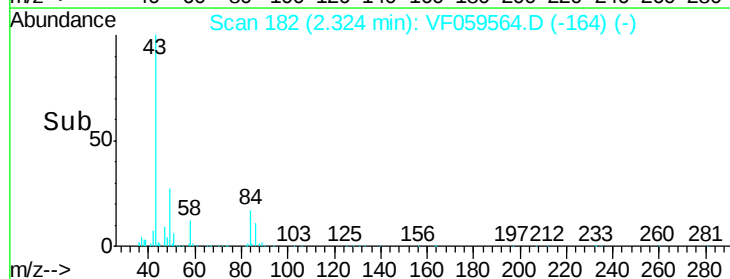
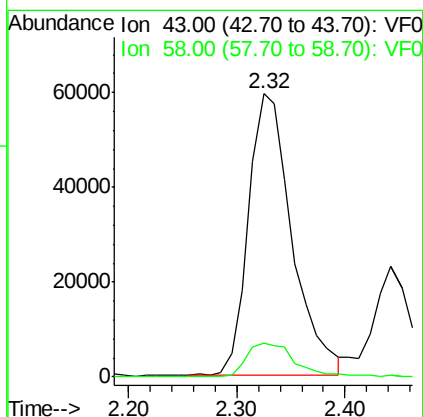
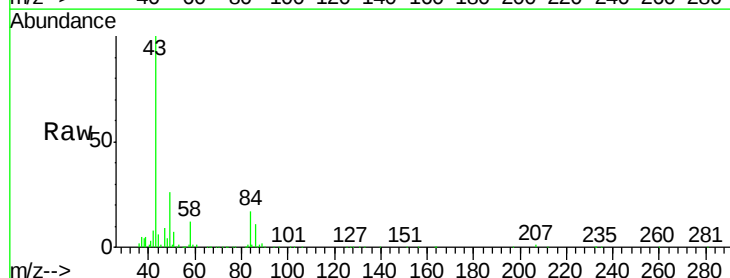
RT: 2.32 min Scan# 182

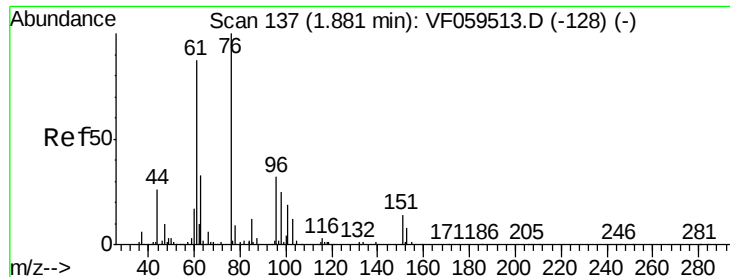
Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion:	43	Resp:	167831
Ion Ratio	Lower	Upper	
43	100		
58	11.8	11.8	17.6





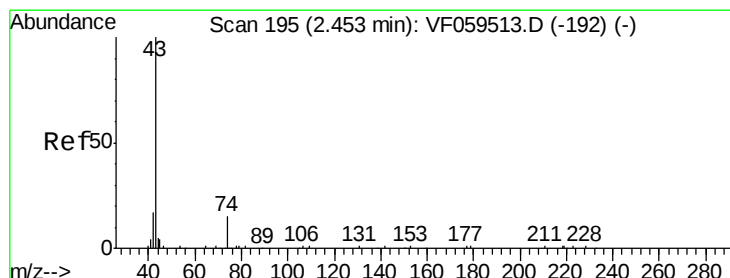
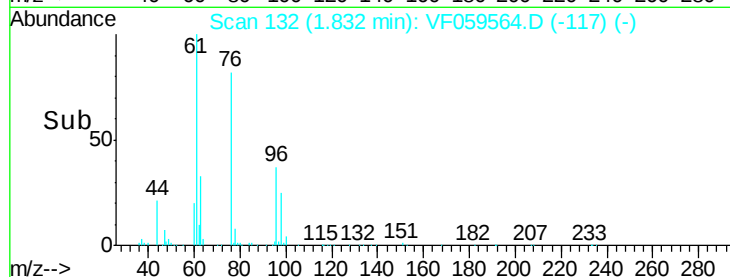
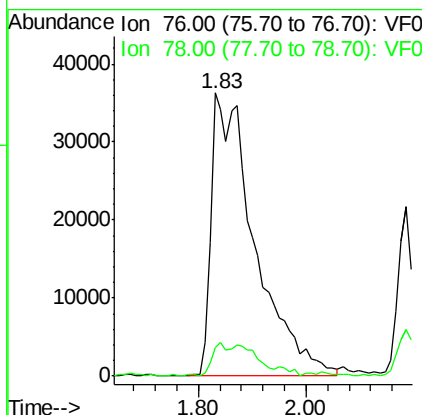
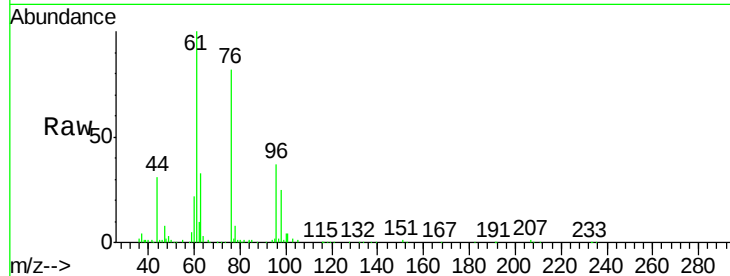
#17
Carbon Disulfide
Concen: 46.93 ug/l m
RT: 1.83 min Scan# 132
Delta R.T. -0.05 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 202694
Ion Ratio Lower Upper
76 100
78 10.3 7.8 11.6

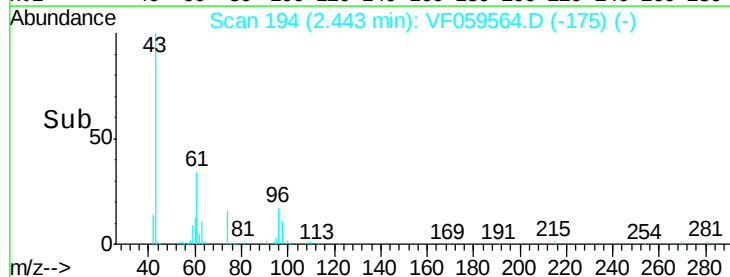
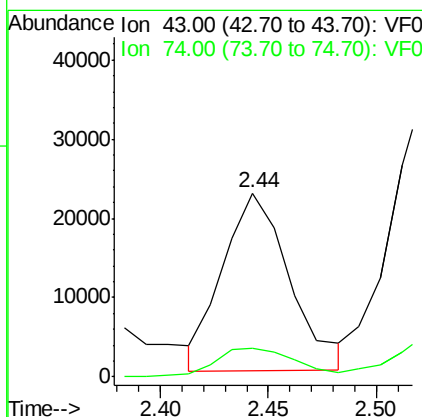
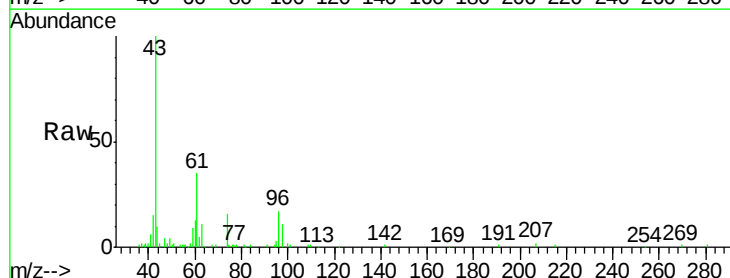
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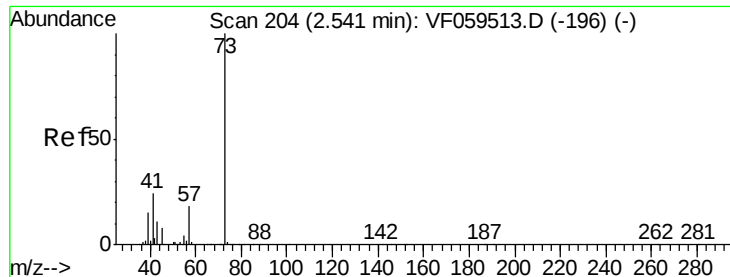
apatel
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#18
Methyl Acetate
Concen: 44.86 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion: 43 Resp: 48382
Ion Ratio Lower Upper
43 100
74 15.7 10.6 15.8





#19

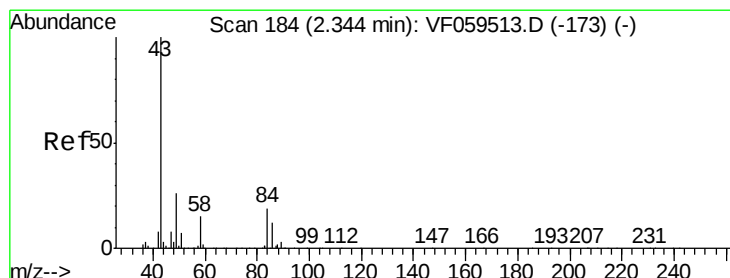
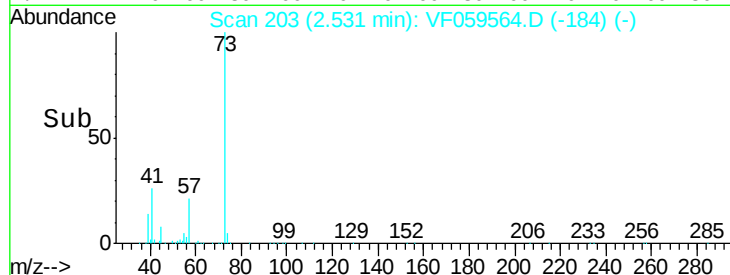
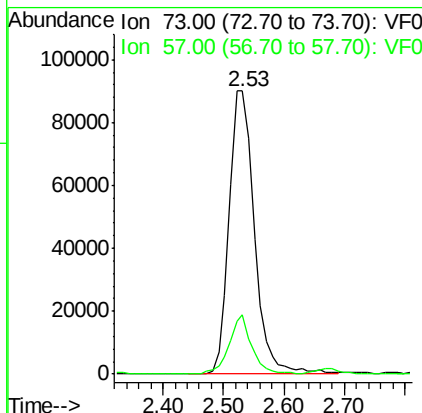
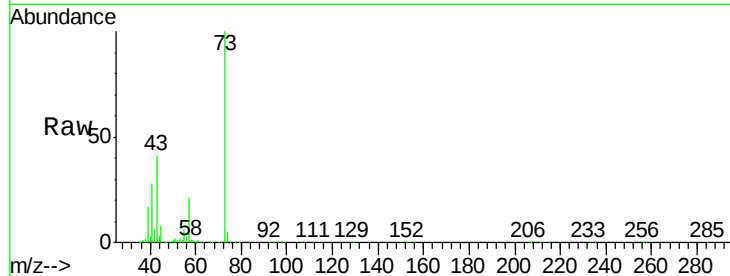
Methyl tert-butyl Ether
 Concen: 49.74 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	14.3	21.5

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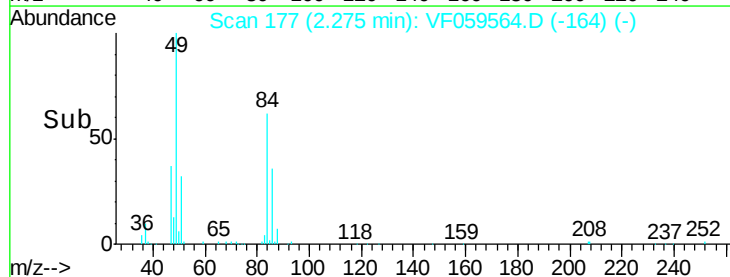
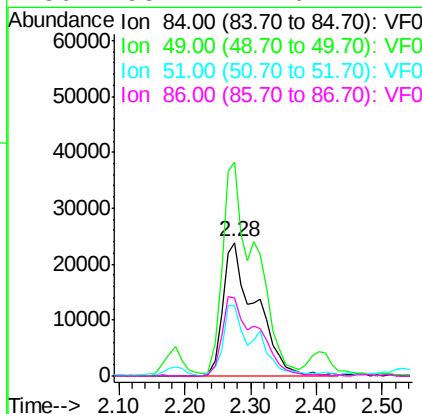
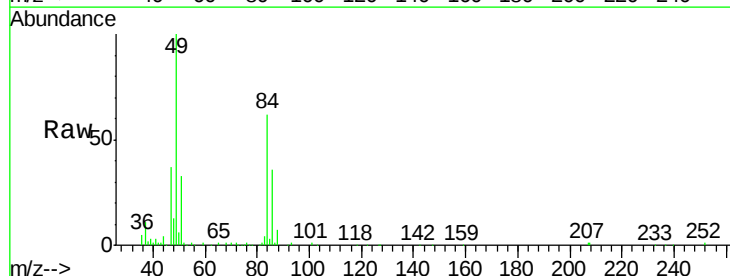
apatel
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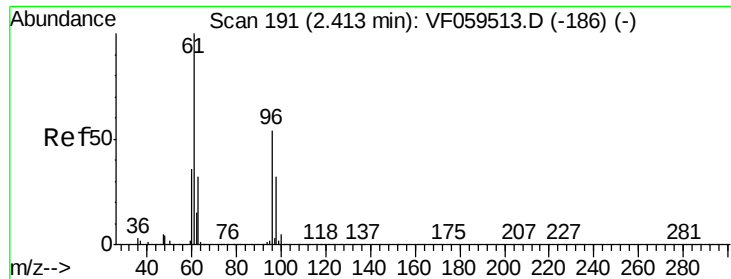


#20

Methylene Chloride
 Concen: 52.83 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.07 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	160.3	109.4	164.2
51	52.8	30.5	45.7#
86	58.2	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 55.00 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

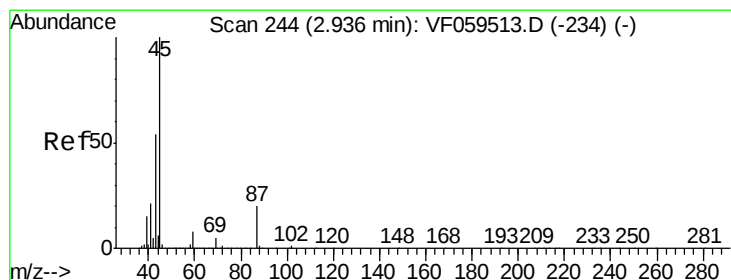
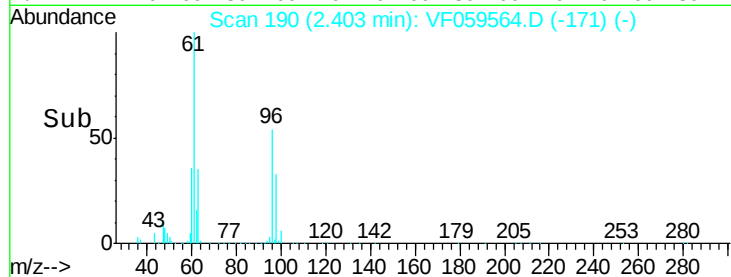
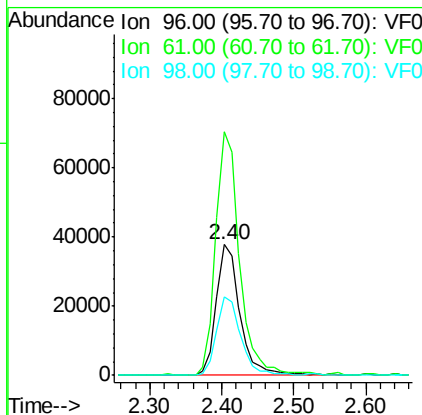
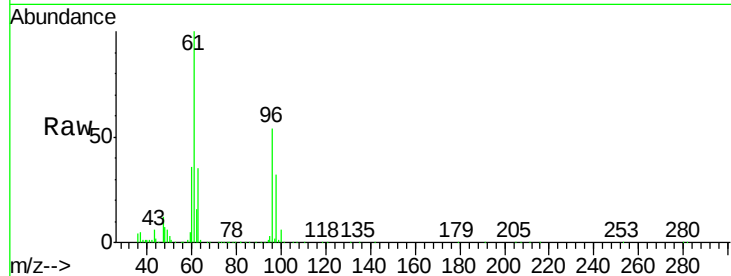
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	85715
Ion	Ratio	Lower	Upper
96	100		
61	186.7	149.8	224.8
98	60.6	47.8	71.8

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#22

Diisopropyl ether

Concen: 47.13 ug/l

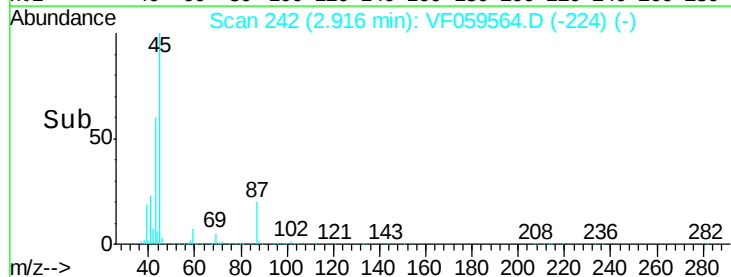
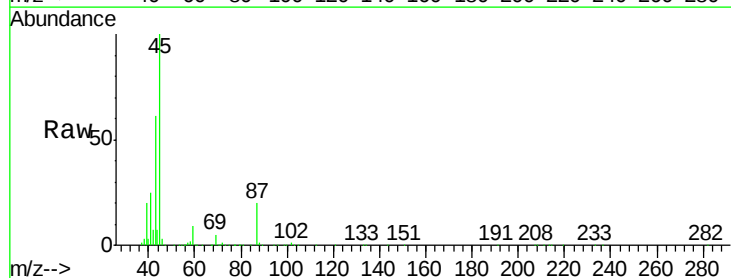
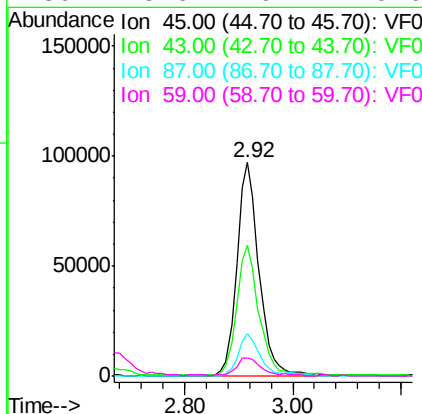
RT: 2.92 min Scan# 242

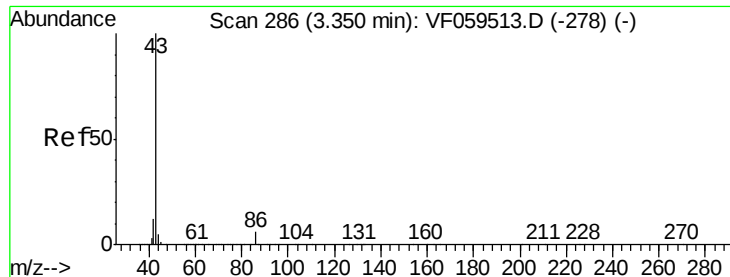
Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion:	45	Resp:	278603
Ion	Ratio	Lower	Upper
45	100		
43	61.2	43.6	65.4
87	19.9	15.6	23.4
59	8.6	6.4	9.6





#23

Vinyl Acetate

Concen: 225.10 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.03 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 777666

Ion Ratio Lower Upper

43 100

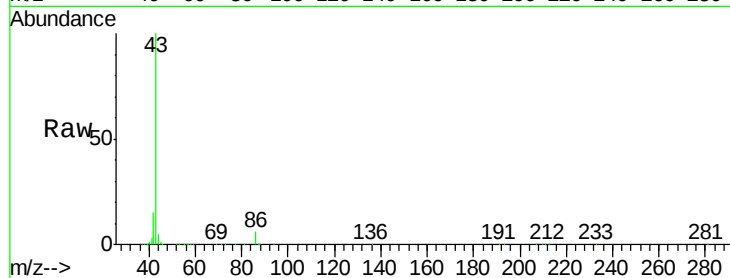
86 6.2 4.4 6.6

Manual Integrations

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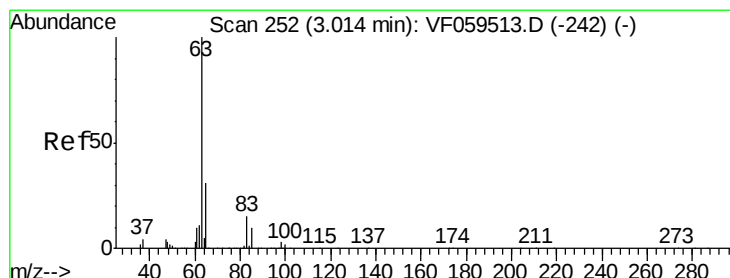
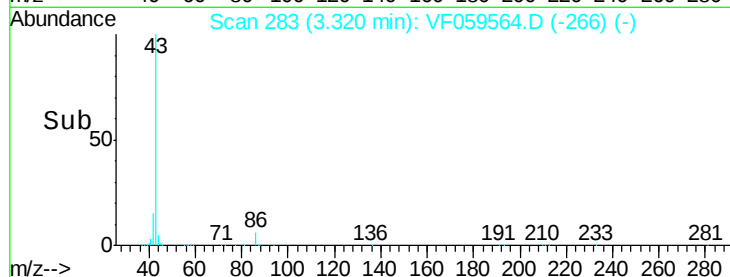
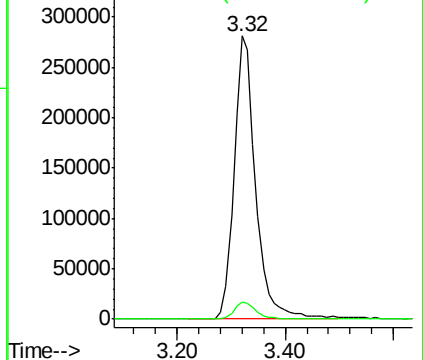
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 52.47 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

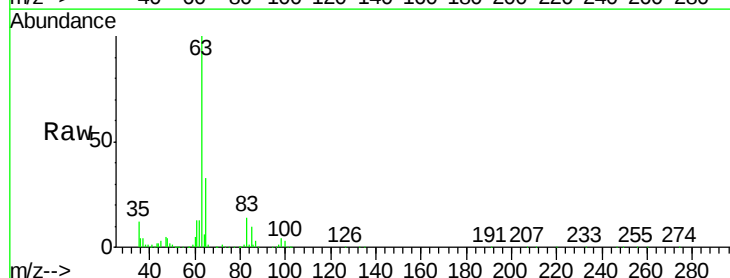
Tgt Ion: 63 Resp: 191584

Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.4

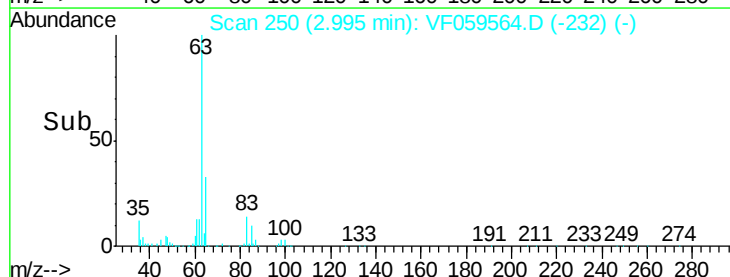
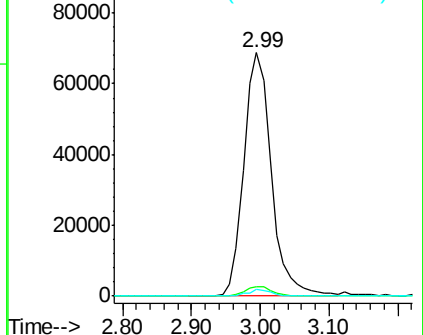
100 2.7 1.3 3.8

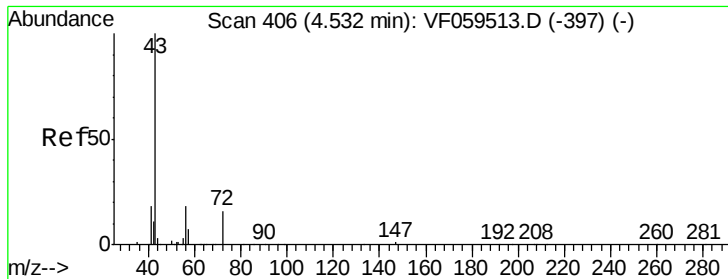


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 207.40 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.04 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tot Ion: 43 Resp: 168836

Ion Ratio Lower Upper

43 100

72 17.0 14.2 21.4

Instrument :

MSVOA_F

ClientSampleId :

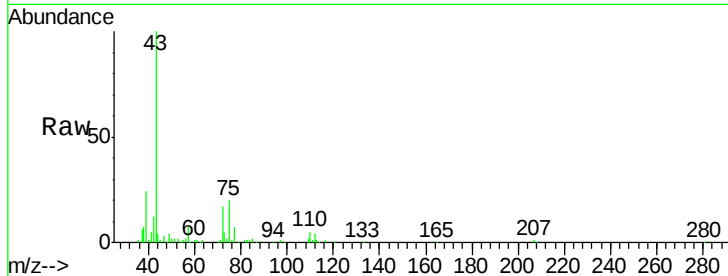
VSTDCCC050

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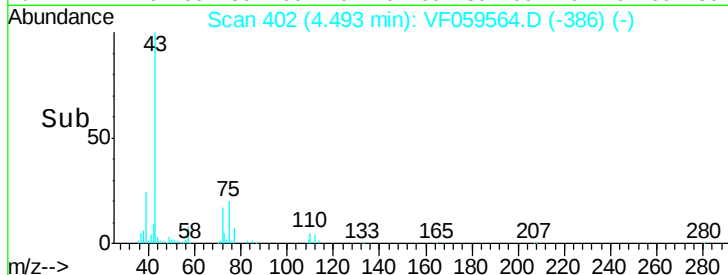


Abundance Ion 43.00 (42.70 to 43.70): VF0

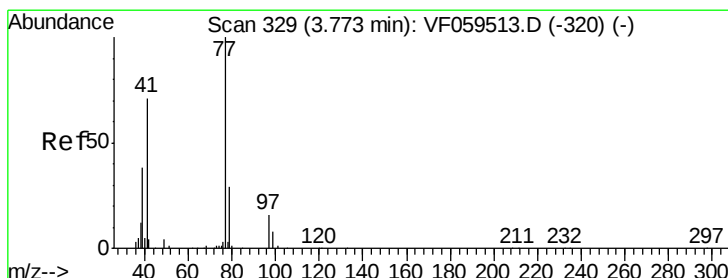
Ion 72.00 (71.70 to 72.70): VF0

4.49

4.30 4.40 4.50 4.60 4.70



Time-->



#26

2,2-Dichloropropane

Concen: 63.97 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059564.D

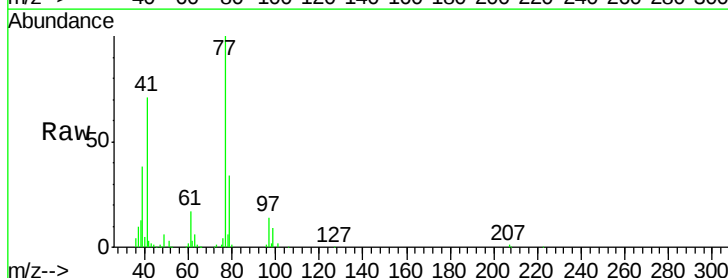
Acq: 19 Jul 2018 19:06

Tgt Ion: 77 Resp: 154520

Ion Ratio Lower Upper

77 100

97 14.4 8.1 24.3

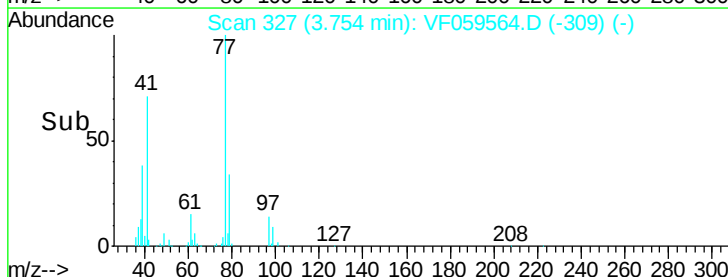


Abundance Ion 77.00 (76.70 to 77.70): VF0

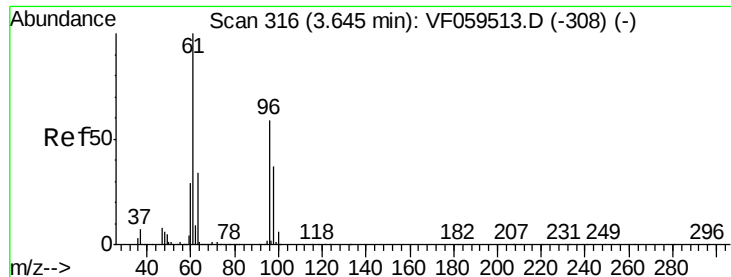
Ion 97.00 (96.70 to 97.70): VF0

3.75

3.60 3.70 3.80 3.90 4.00



Time-->



#27

cis-1,2-Dichloroethene

Concen: 57.78 ug/l

RT: 3.63 min Scan# 314

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

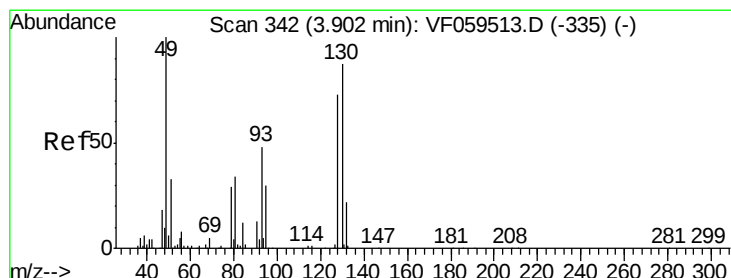
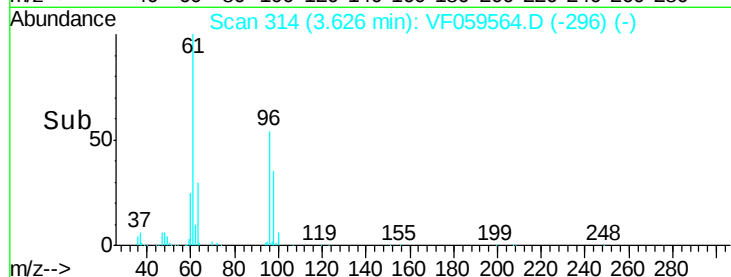
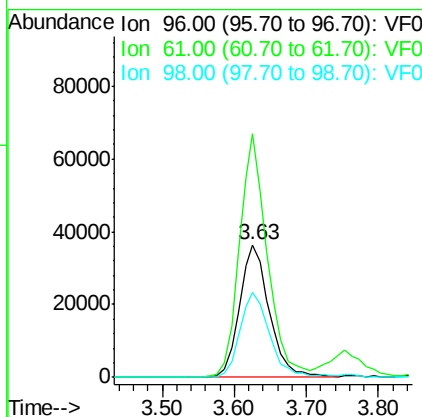
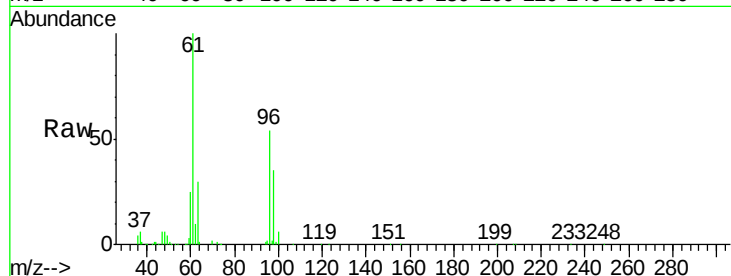
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	104802
Ion Ratio	Lower	Upper	
96	100		
61	184.1	0.0	339.0
98	63.9	0.0	125.4

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#28

Bromochloromethane

Concen: 47.01 ug/l

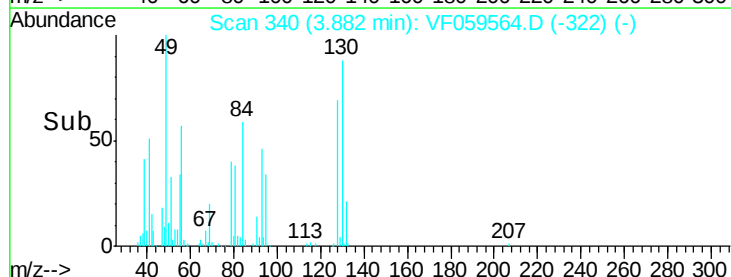
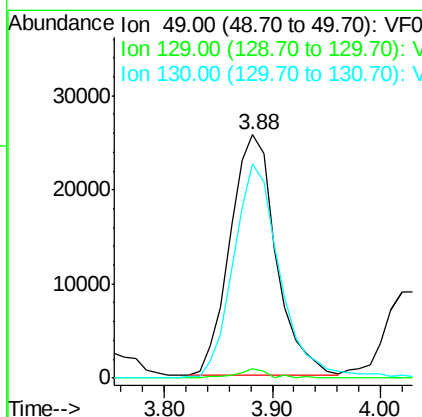
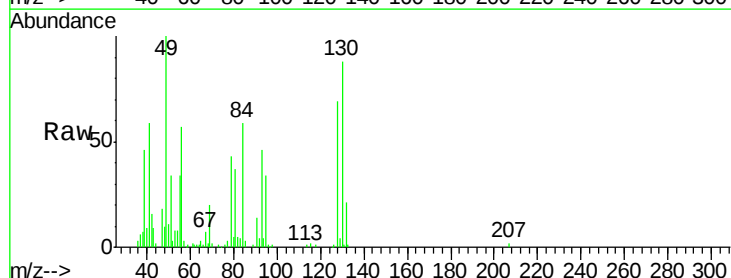
RT: 3.88 min Scan# 340

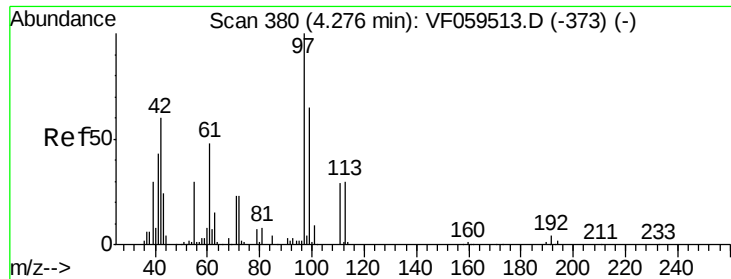
Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion:	49	Resp:	75554
Ion Ratio	Lower	Upper	
49	100		
129	4.0	0.0	0.0#
130	87.8	69.8	104.6





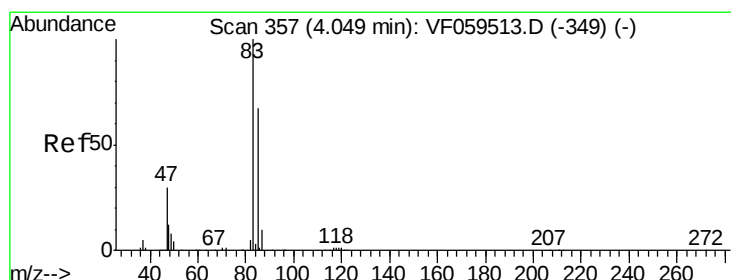
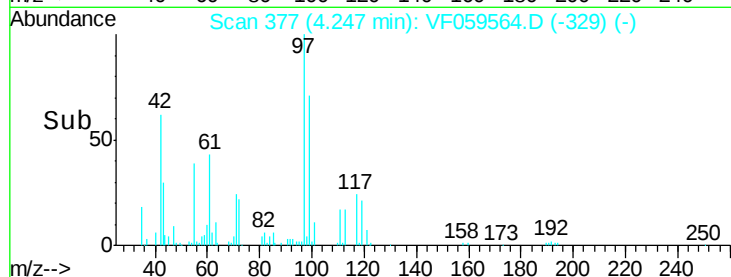
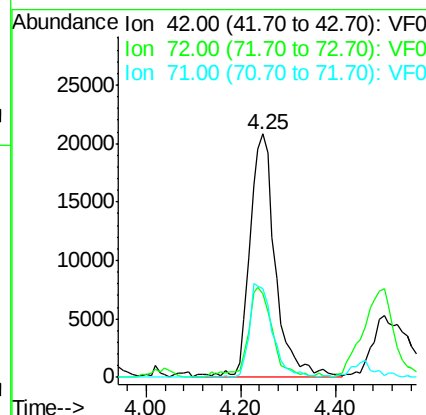
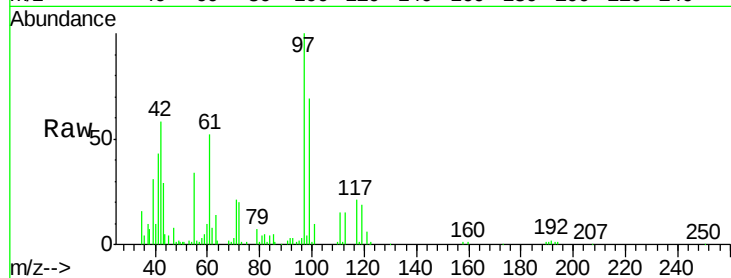
#29
Tetrahydrofuran
Concen: 235.40 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	28.7	43.1
71	34.2	30.8	46.2

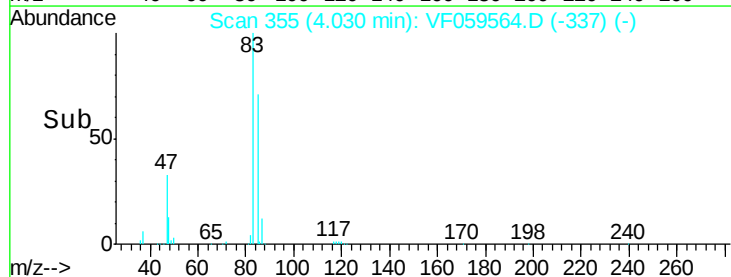
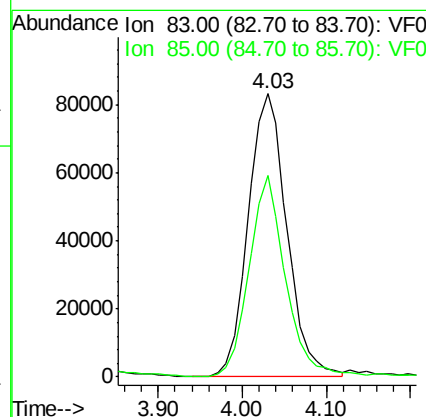
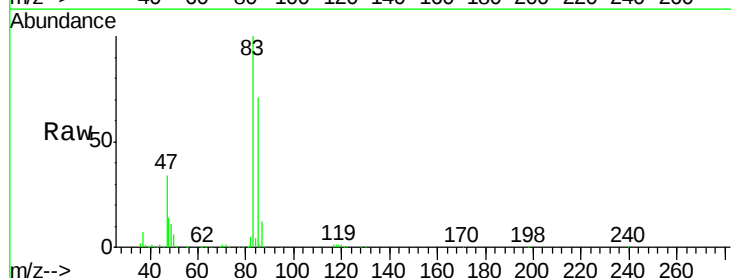
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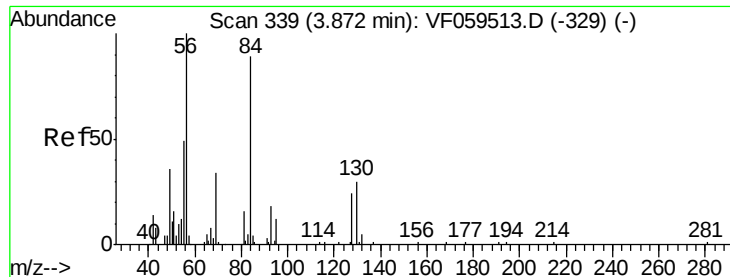
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#30
Chloroform
Concen: 50.79 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.0	53.2	79.8





#31

Cyclohexane

Concen: 53.94 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

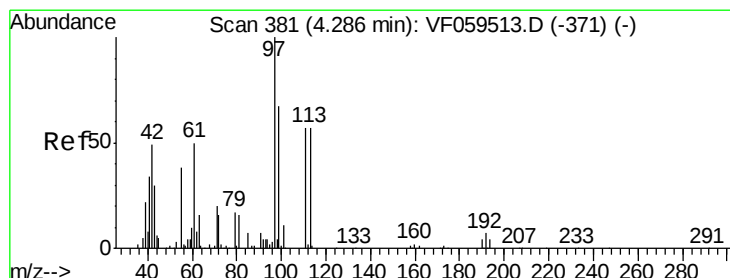
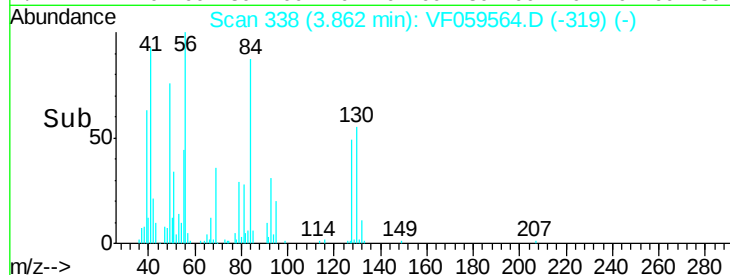
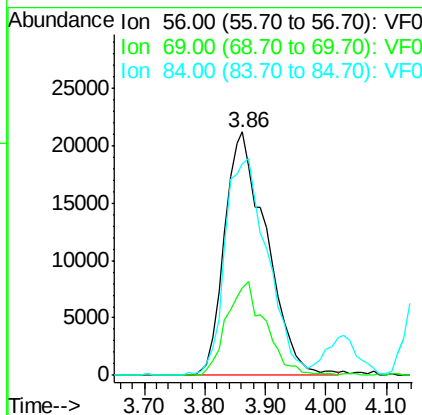
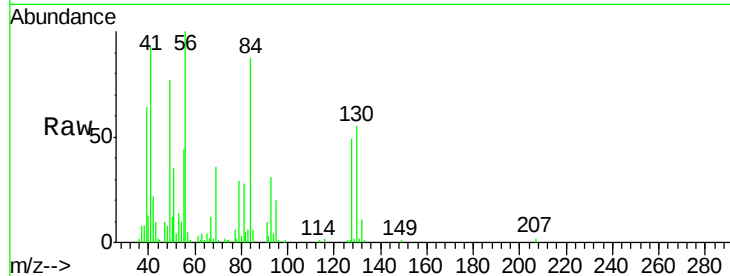
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	102002
Ion Ratio	Lower	Upper	
56	100		
69	35.9	27.6	41.4
84	86.7	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 66.83 ug/l

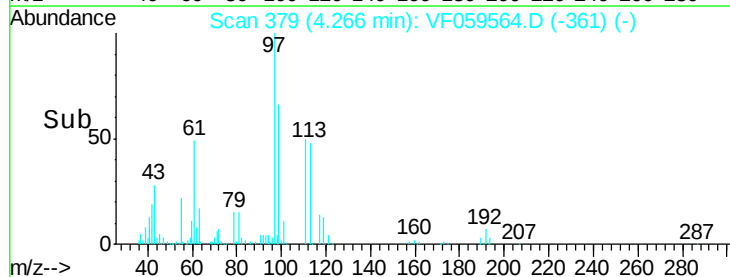
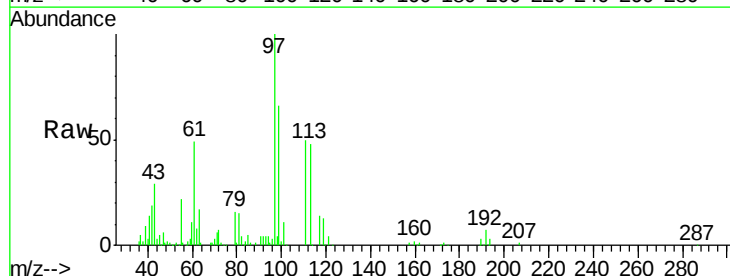
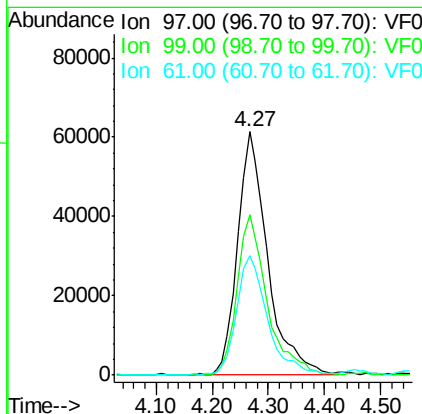
RT: 4.27 min Scan# 379

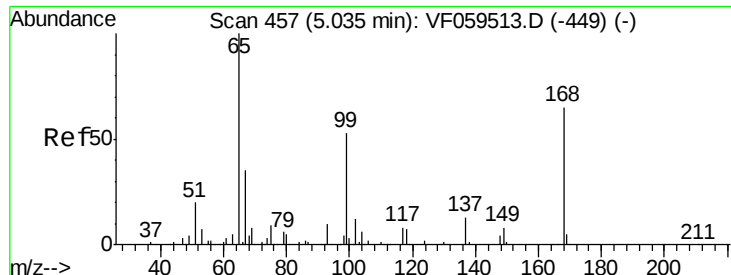
Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion:	97	Resp:	229075
Ion Ratio	Lower	Upper	
97	100		
99	65.7	53.5	80.3
61	49.1	39.7	59.5





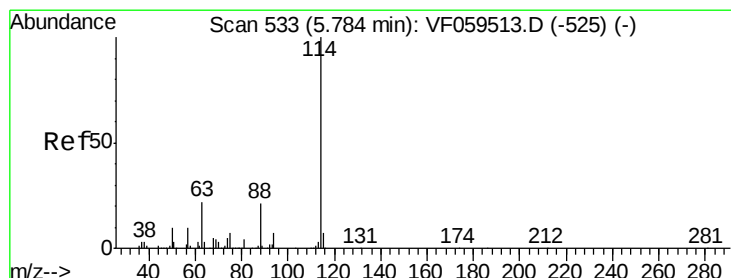
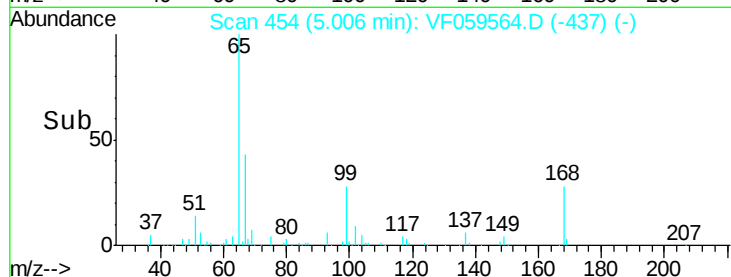
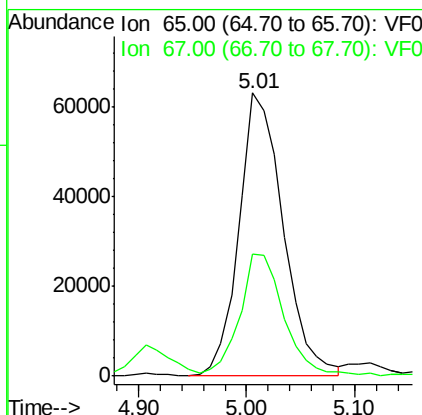
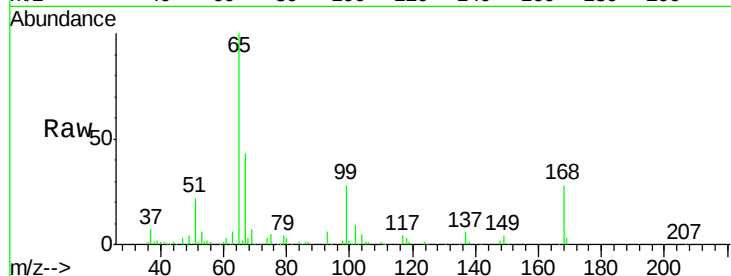
#33
 1,2-Dichloroethane-d4
 Concen: 50.96 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	178695		
67	43.3	0.0	91.2	

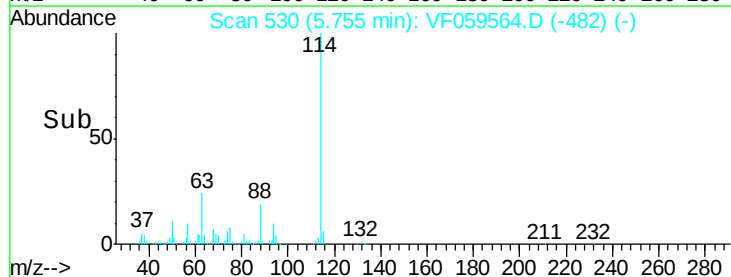
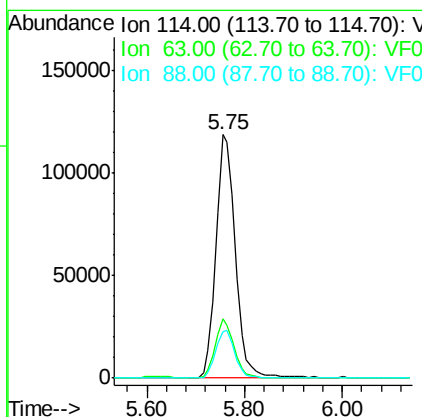
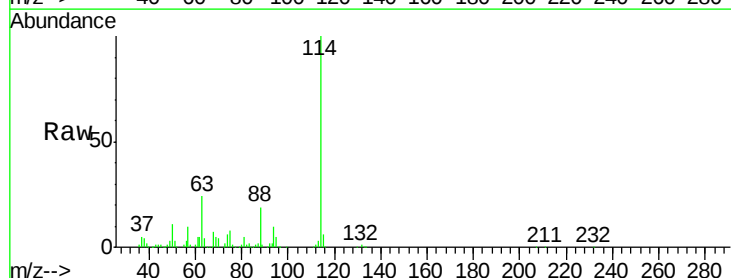
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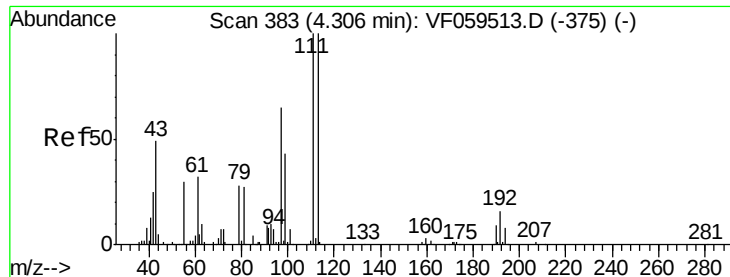
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	329508		
63	24.4	0.0	44.8	
88	19.3	0.0	42.6	





#35

Dibromofluoromethane

Concen: 51.85 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

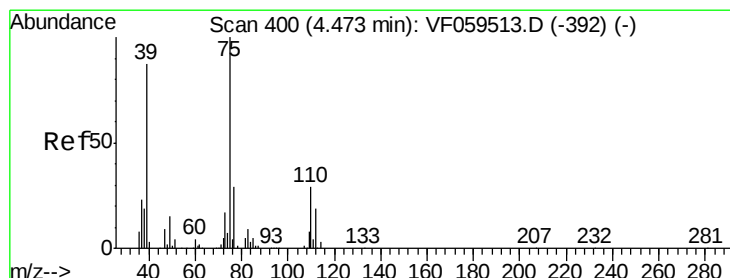
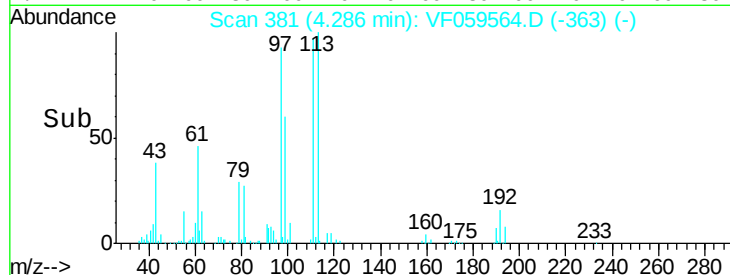
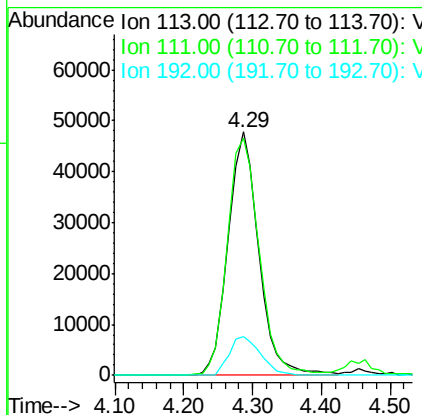
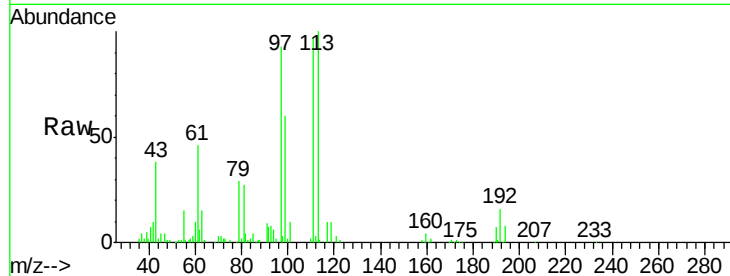
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	147959
Ion Ratio	Lower	Upper	
113	100		
111	97.3	80.3	120.5
192	16.2	13.1	19.7

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#36

1,1-Dichloropropene

Concen: 50.05 ug/l

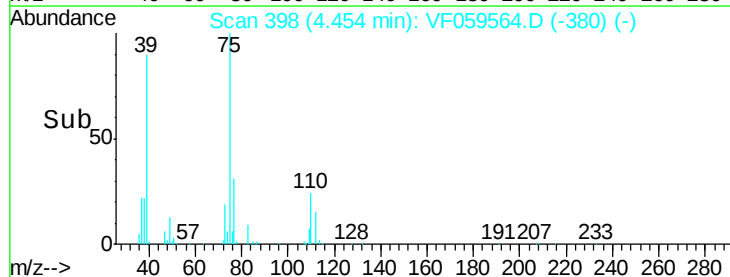
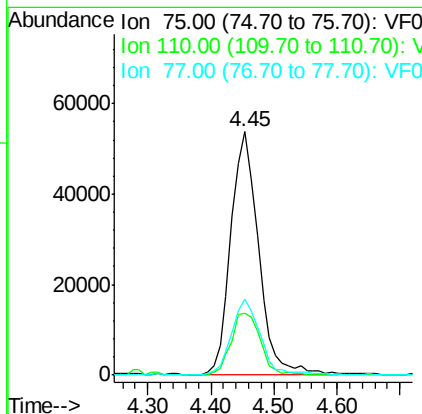
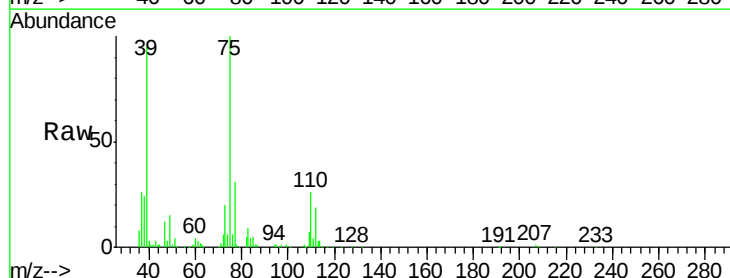
RT: 4.45 min Scan# 398

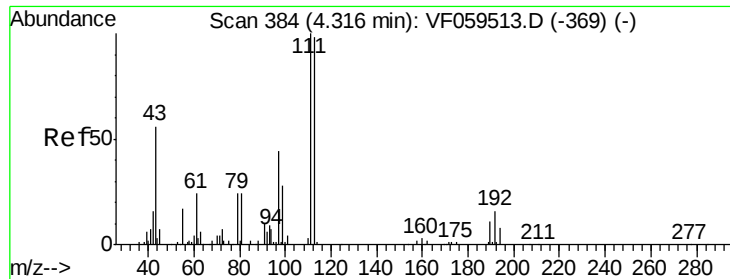
Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion:	75	Resp:	165080
Ion Ratio	Lower	Upper	
75	100		
110	25.6	14.6	43.8
77	31.3	23.7	35.5





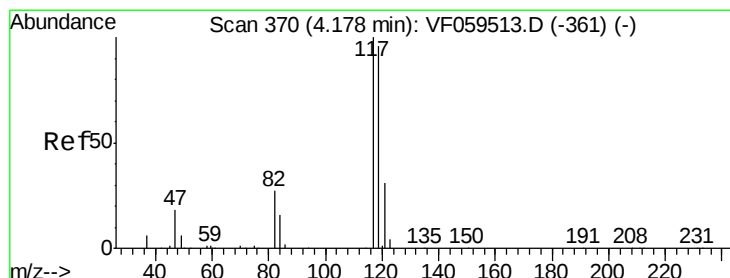
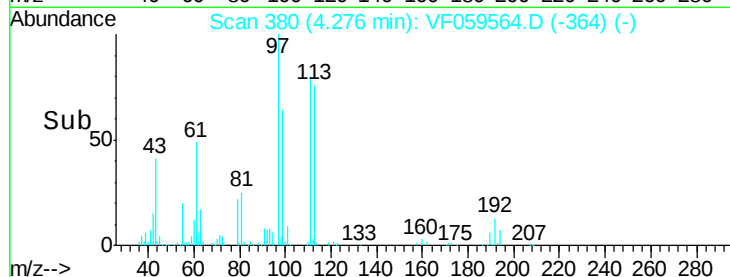
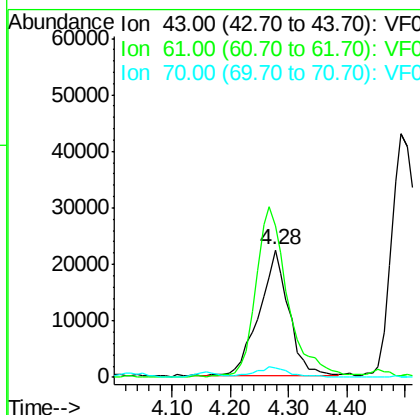
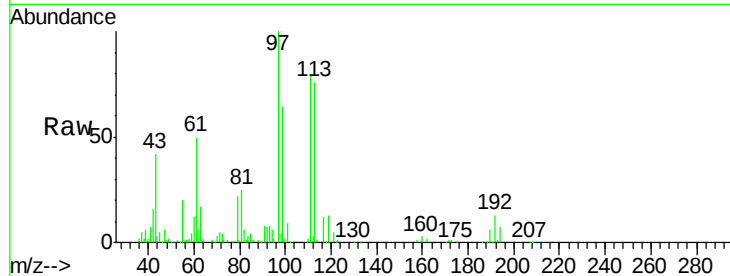
#37
Ethyl Acetate
Concen: 43.51 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.04 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	118.8	33.7	50.5#
70	7.0	7.4	11.0#

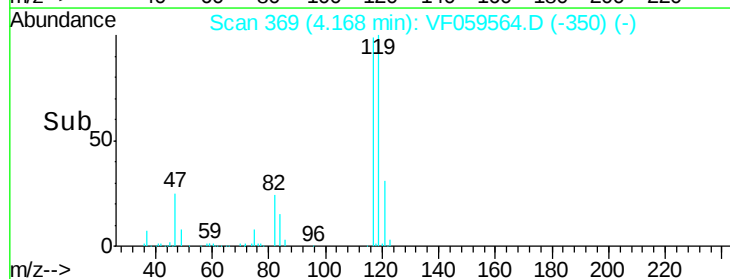
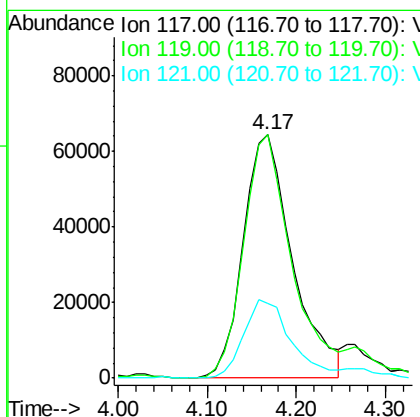
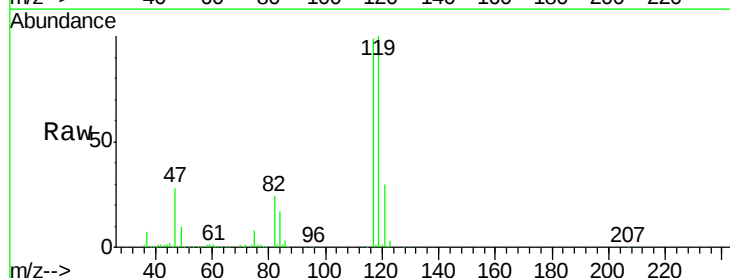
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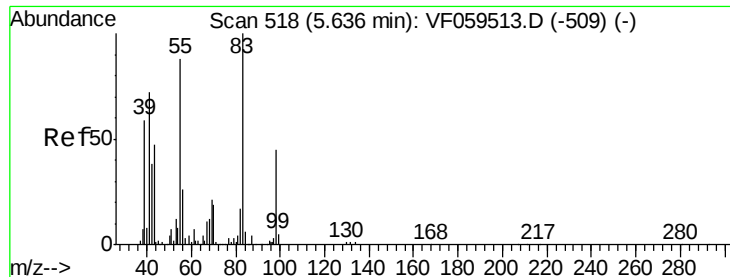
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#38
Carbon Tetrachloride
Concen: 65.46 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.9	77.6	116.4
121	30.4	24.9	37.3





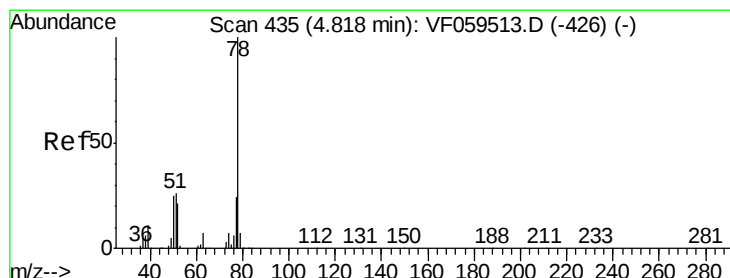
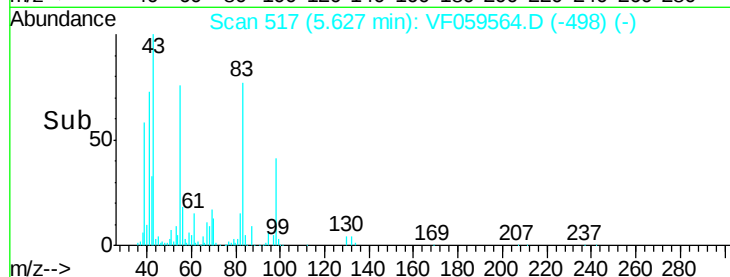
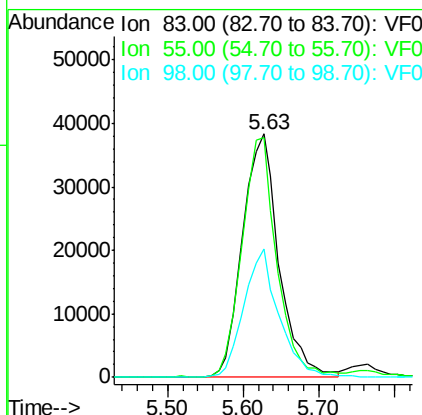
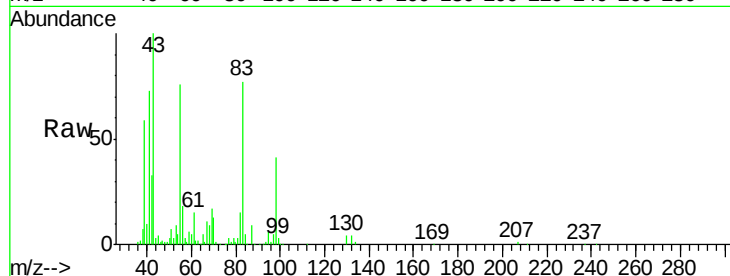
#39
Methvlcvclohexane
Concen: 51.50 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.3	70.2	105.4
98	52.8	36.2	54.2

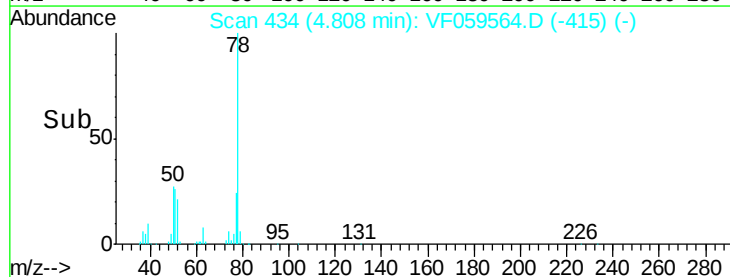
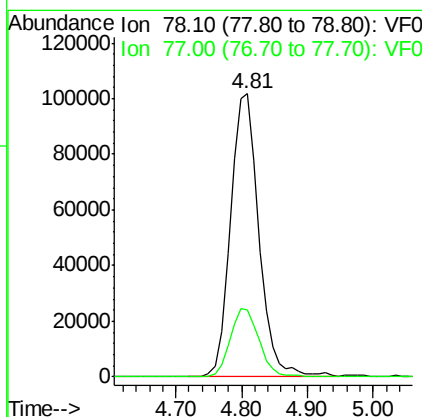
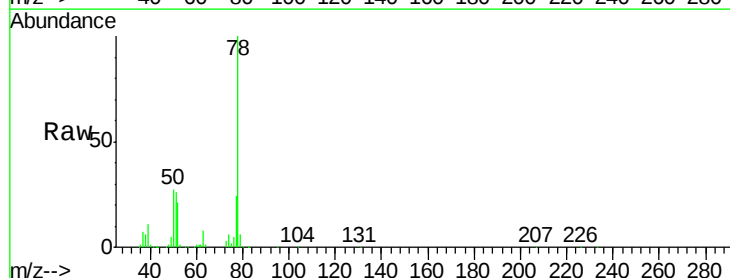
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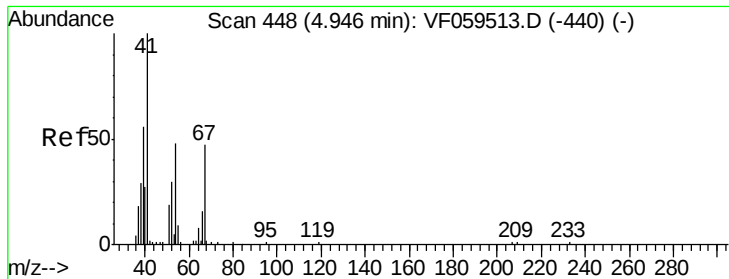
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#40
Benzene
Concen: 48.28 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





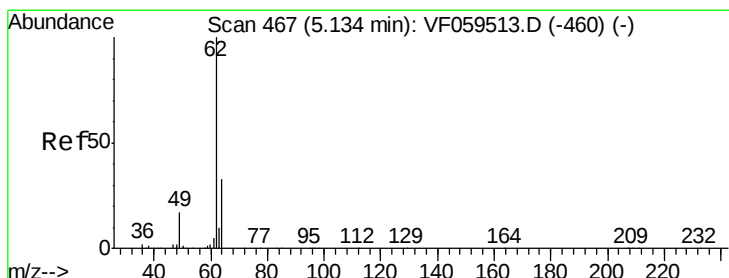
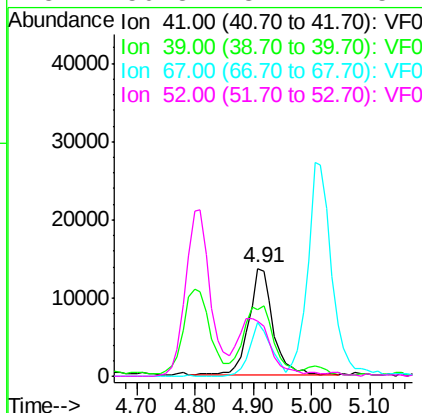
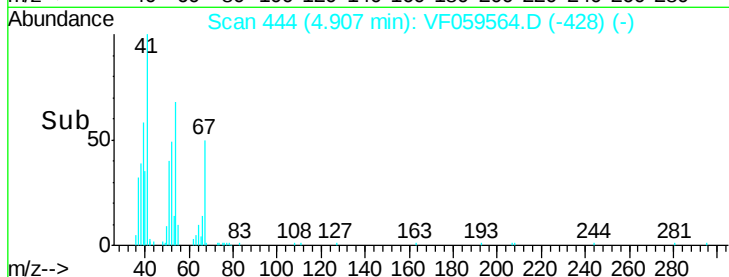
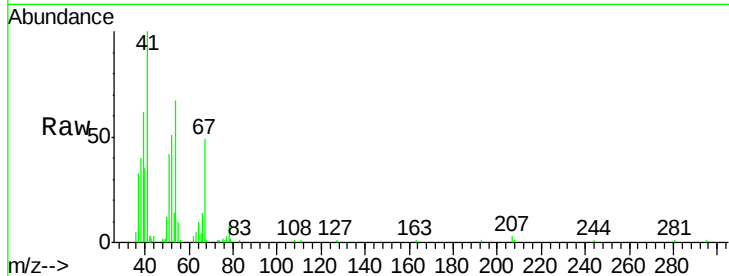
#41
Methacrylonitrile
Concen: 42.45 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.04 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.6	49.4	74.0
67	49.4	37.4	56.2
52	50.8	32.1	48.1#

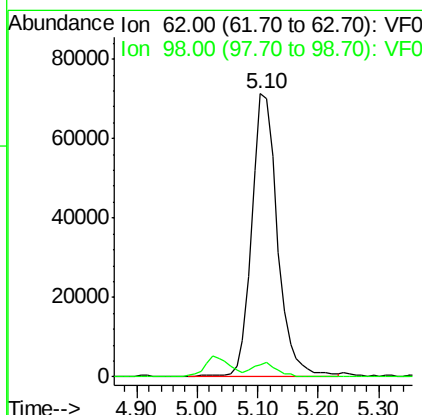
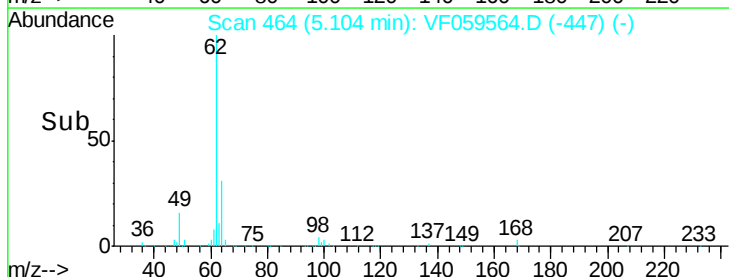
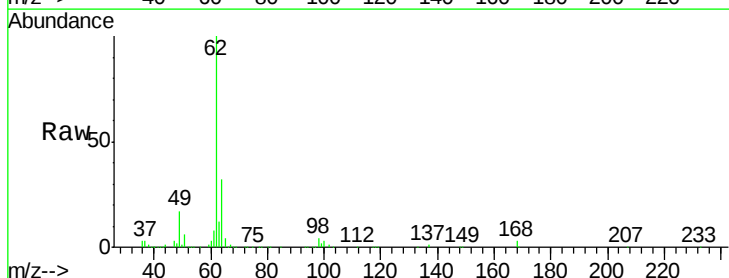
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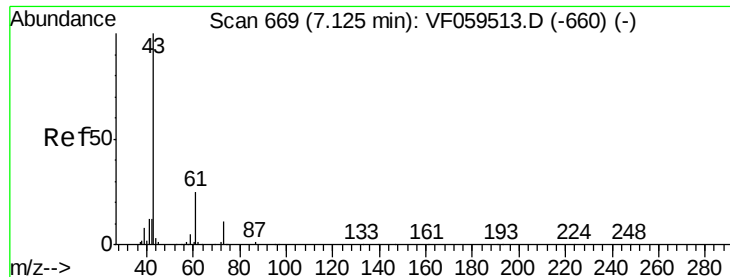
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#42
1,2-Dichloroethane
Concen: 50.61 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.03 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	9.6





#43

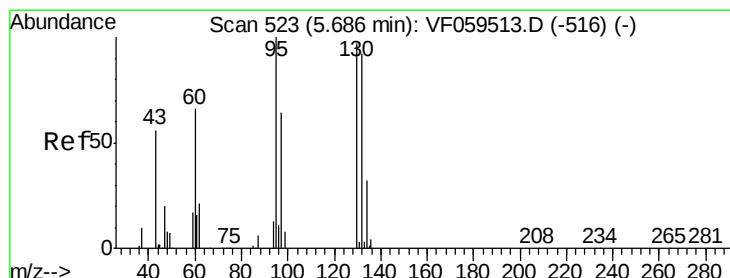
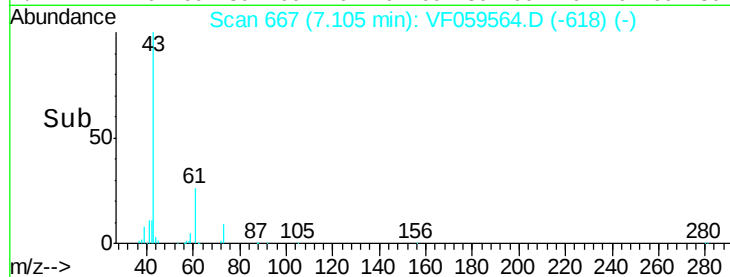
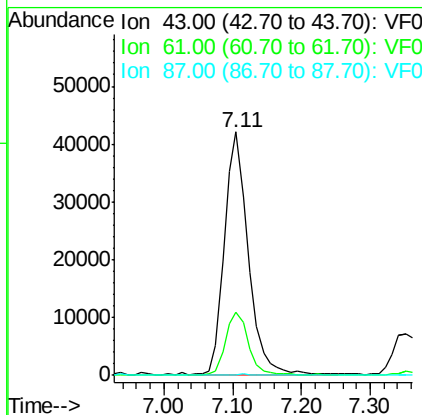
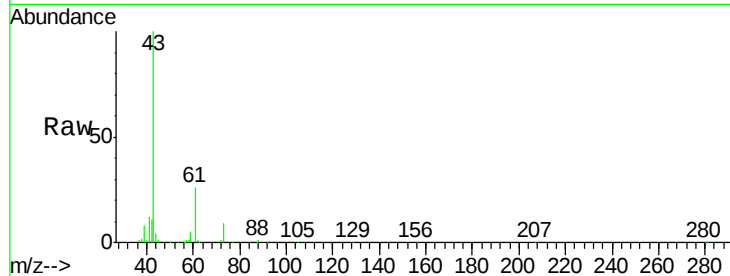
Isopropyl Acetate
 Concen: 42.46 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.3	30.5
87	0.4	0.4	0.6

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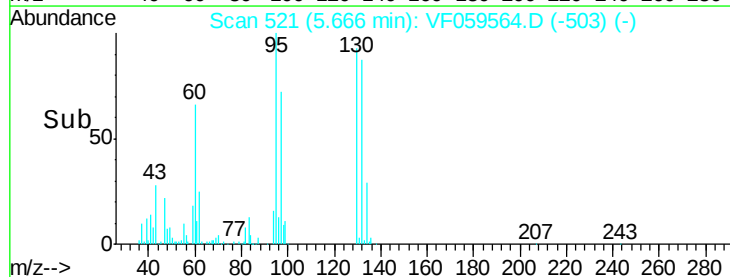
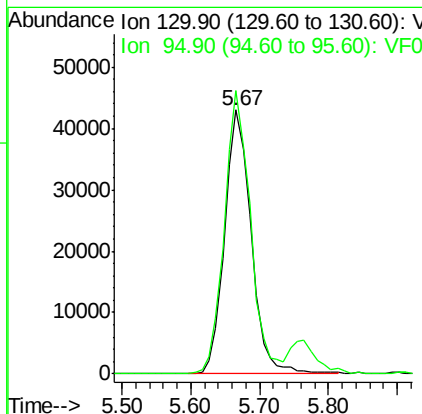
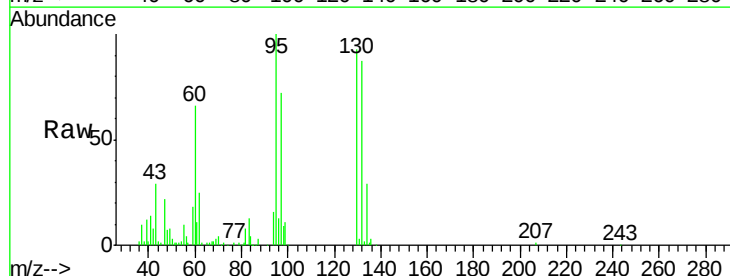
apatel
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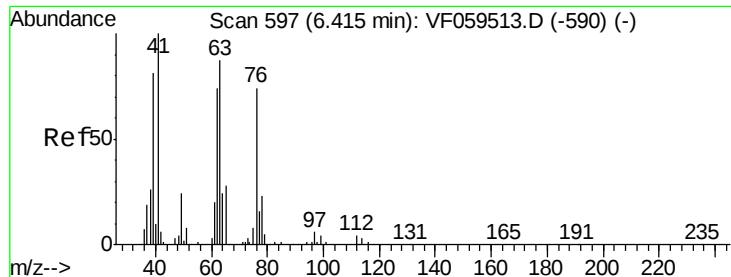


#44

Trichloroethene
 Concen: 48.69 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	206.6





#45

1,2-Dichloropropane

Concen: 48.76 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 86593

Ion Ratio Lower Upper

63 100

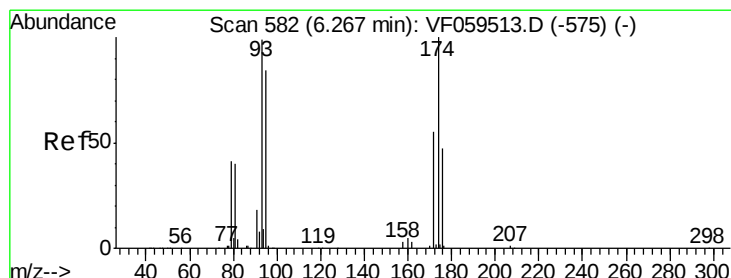
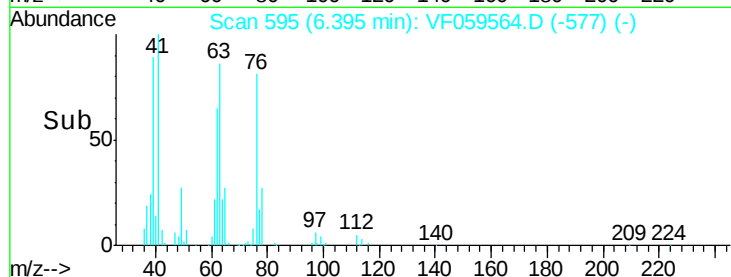
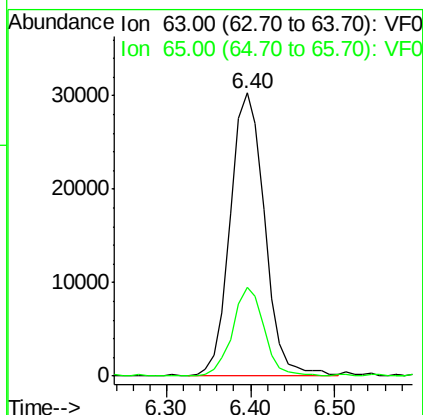
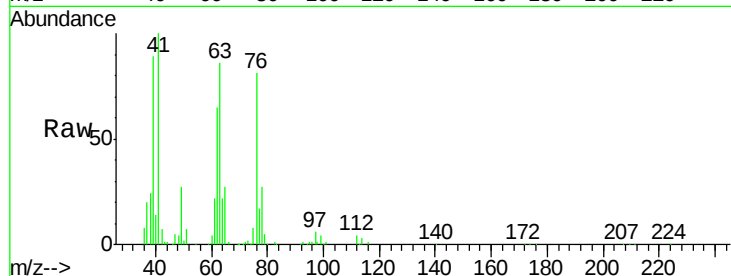
65 31.2 26.1 39.1

Manual Integrations

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#46

Dibromomethane

Concen: 49.17 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

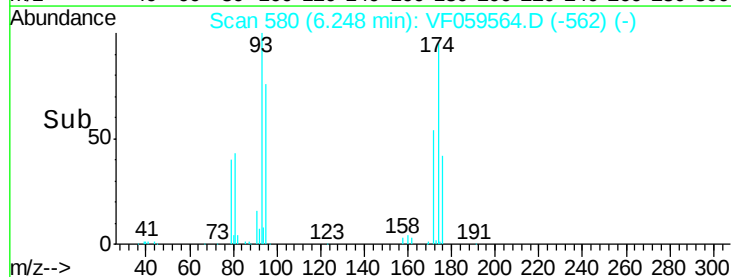
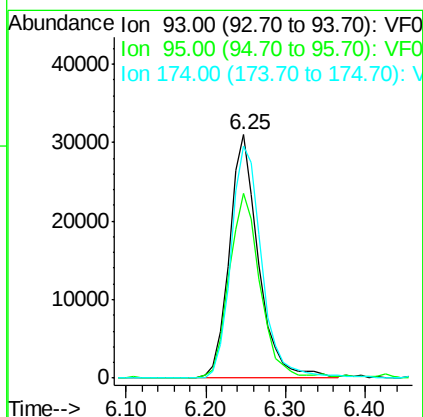
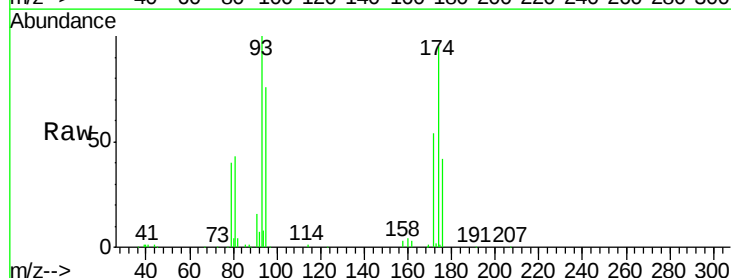
Tgt Ion: 93 Resp: 79522

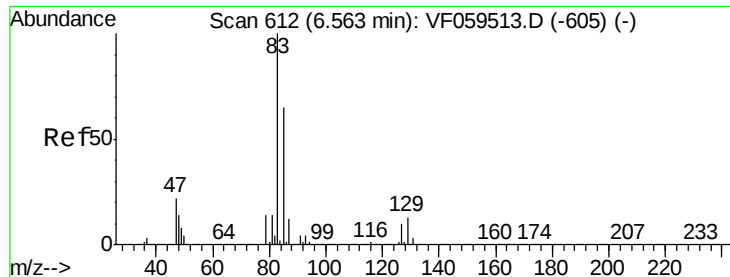
Ion Ratio Lower Upper

93 100

95 76.0 68.3 102.5

174 95.4 81.2 121.8





#47

Bromodichloromethane

Concen: 50.28 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

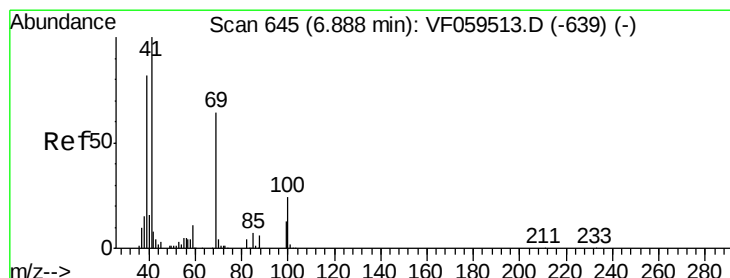
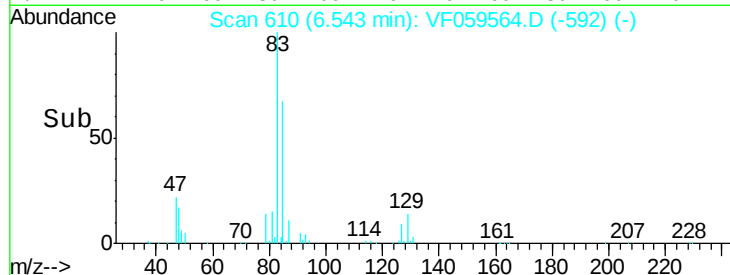
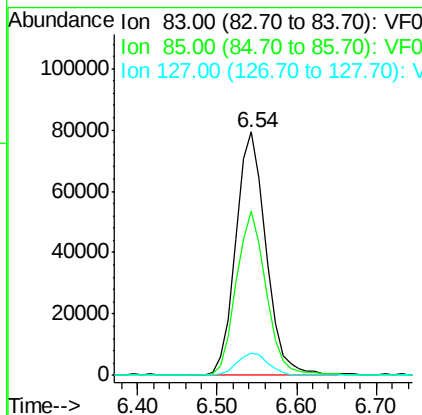
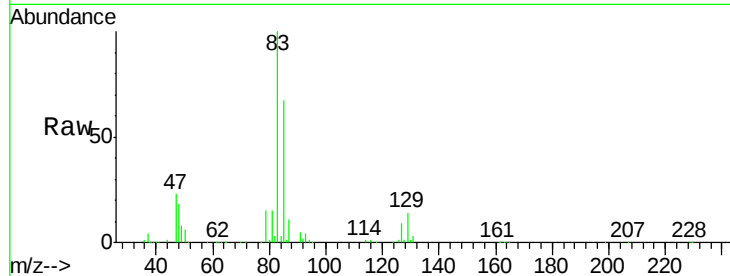
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	209324
Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.4	78.6
127	9.2	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 43.23 ug/l

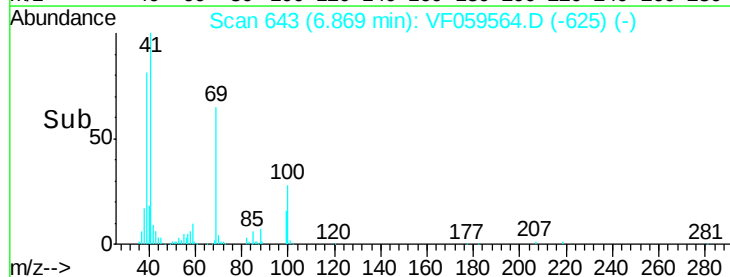
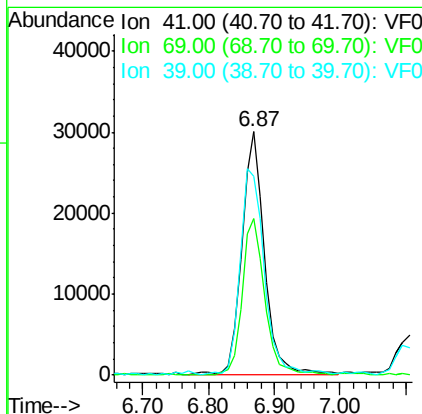
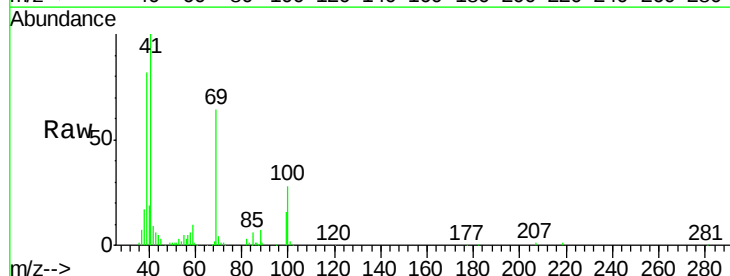
RT: 6.87 min Scan# 643

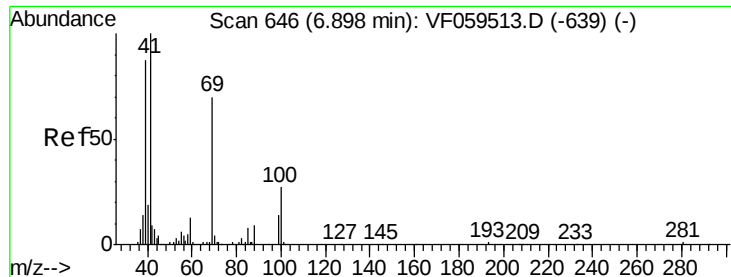
Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion:	41	Resp:	73168
Ion	Ratio	Lower	Upper
41	100		
69	64.4	51.3	76.9
39	81.7	65.3	97.9





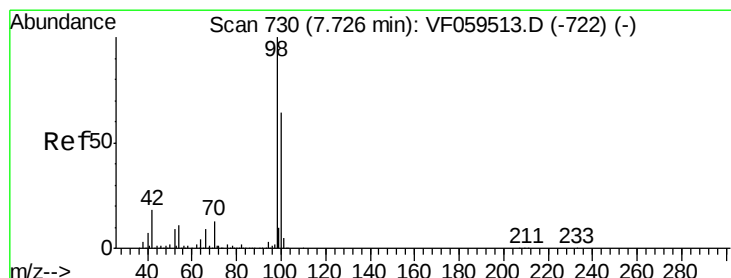
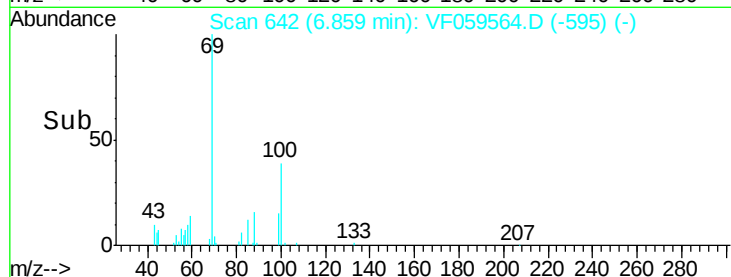
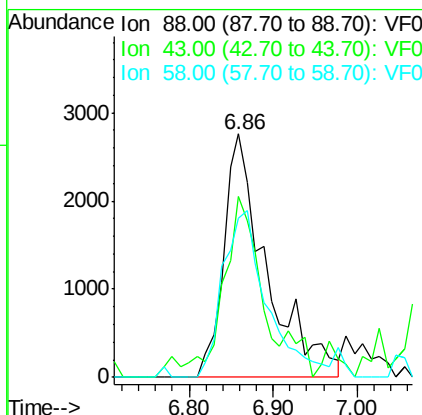
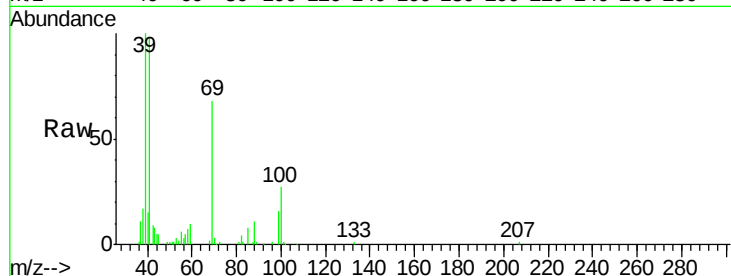
#49
1,4-Dioxane
Concen: 1312.90 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.04 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	74.2	64.8	97.2
58	65.4	44.1	66.1

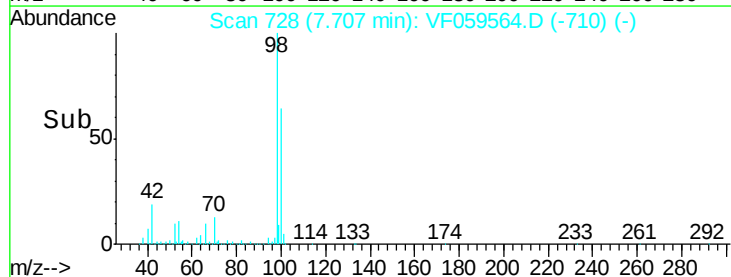
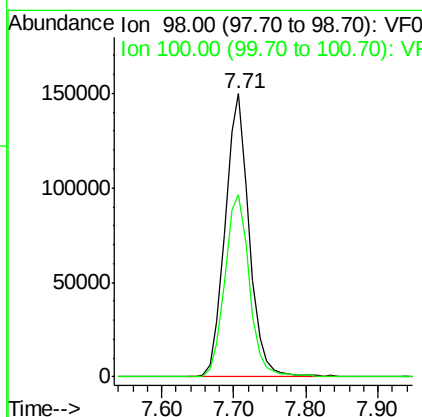
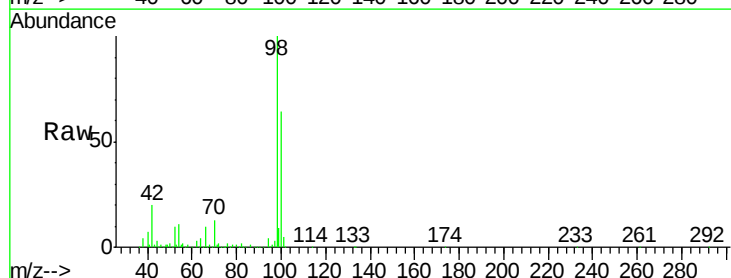
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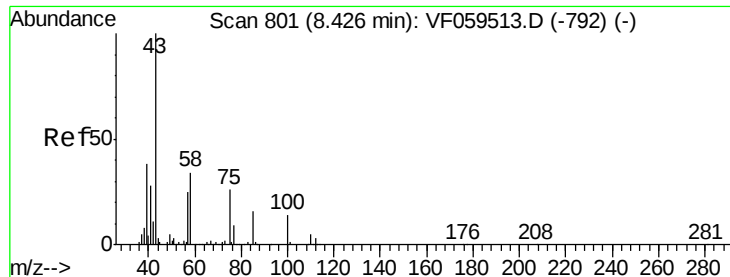
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#50
Toluene-d8
Concen: 48.17 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 222.66 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 374066

Ion Ratio Lower Upper

43 100

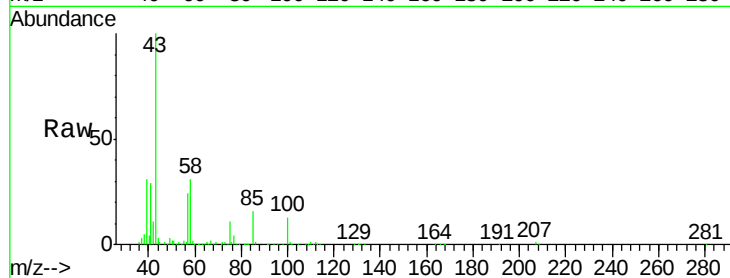
58 31.0 27.4 41.2

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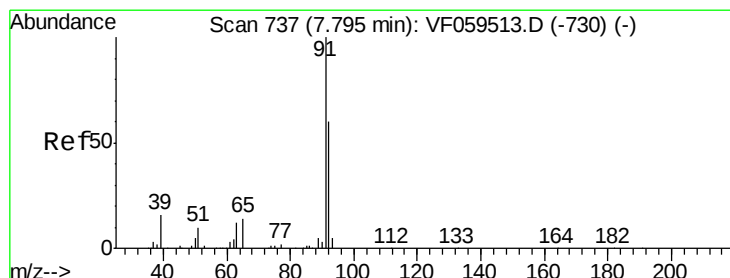
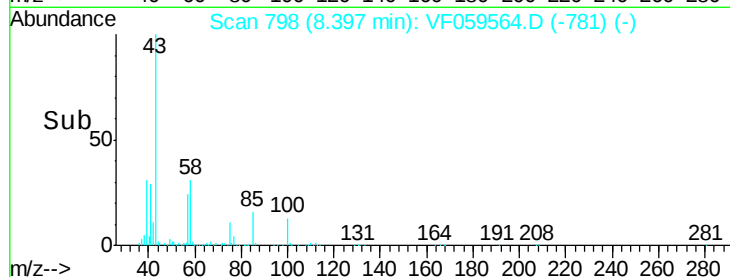
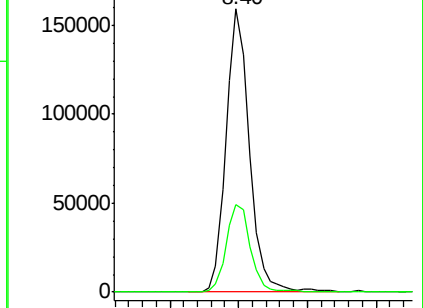
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.12 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059564.D

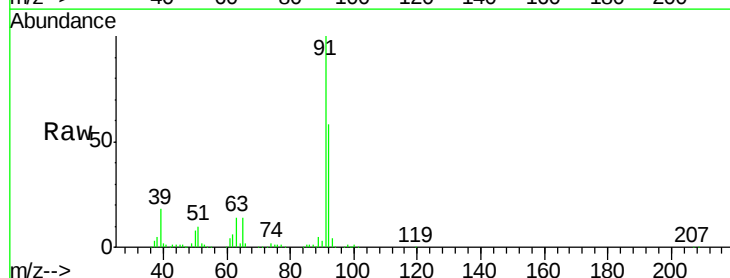
Acq: 19 Jul 2018 19:06

Tgt Ion: 92 Resp: 227959

Ion Ratio Lower Upper

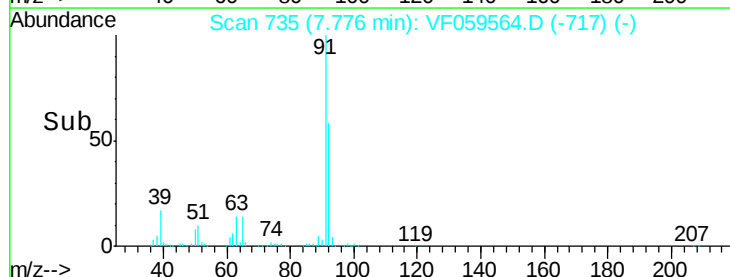
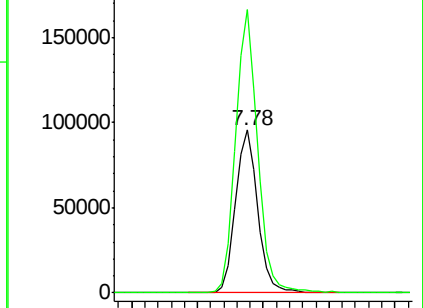
92 100

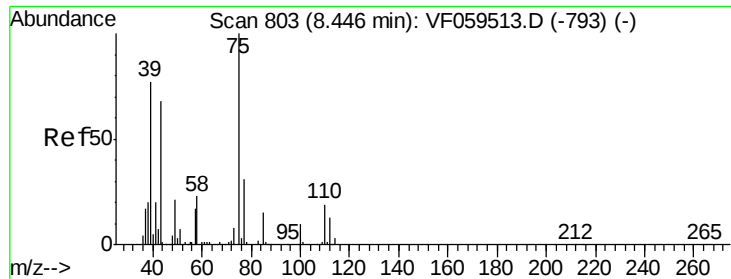
91 173.7 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 48.87 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 187131

Ion Ratio Lower Upper

75 100

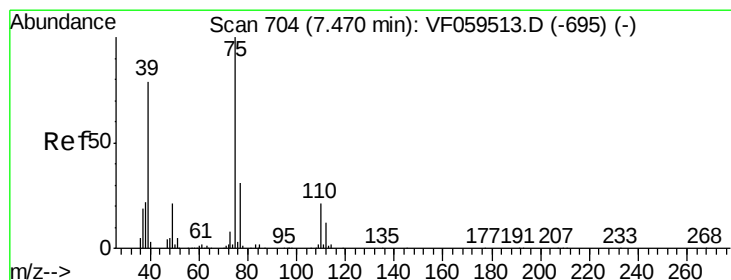
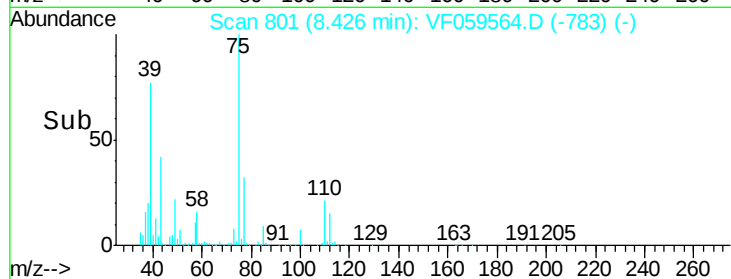
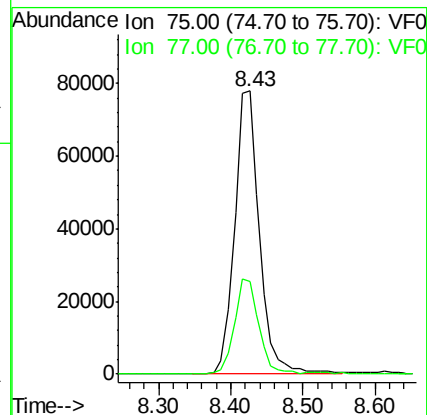
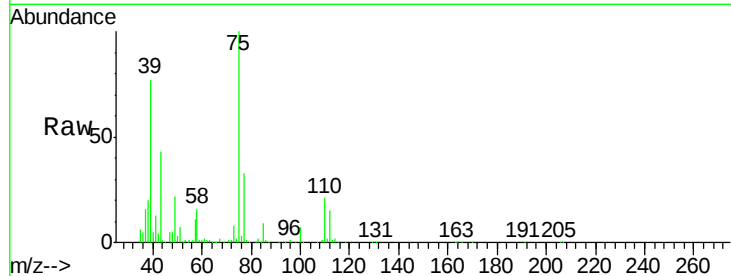
77 32.7 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 47.86 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

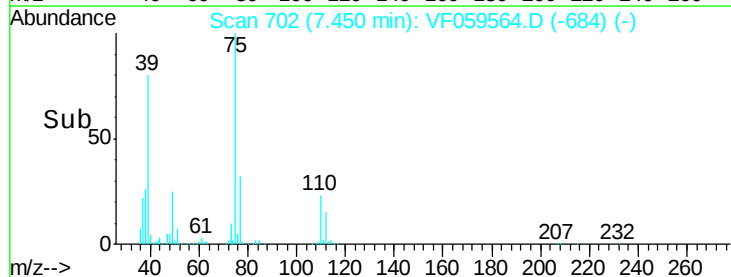
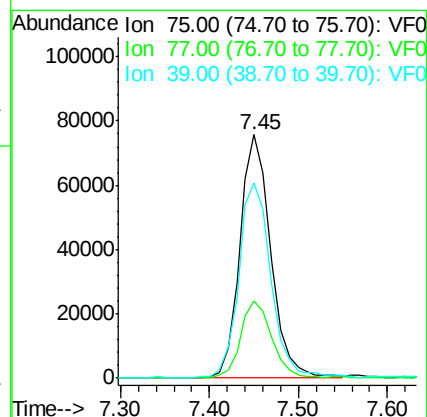
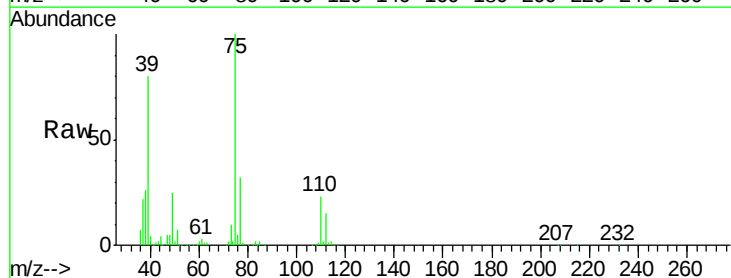
Tgt Ion: 75 Resp: 182501

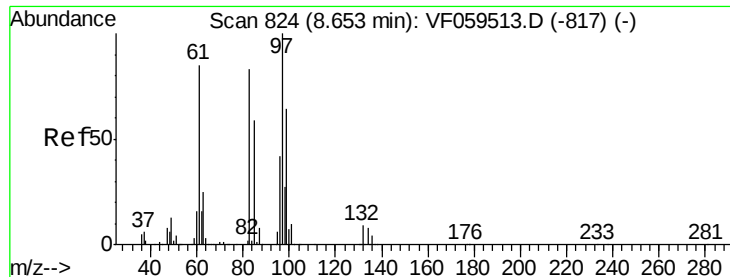
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6

39 80.0 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 52.20 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

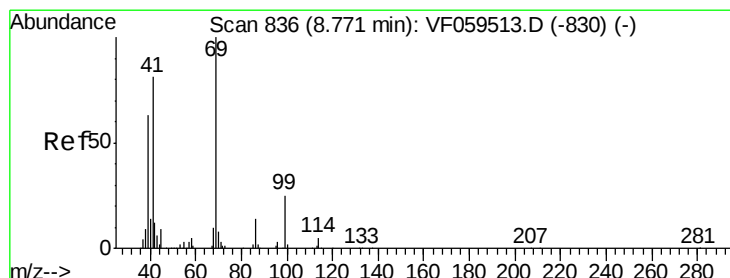
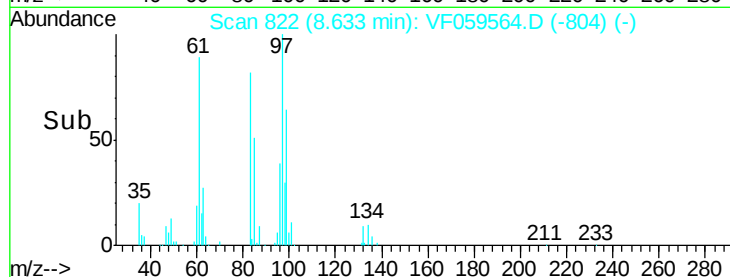
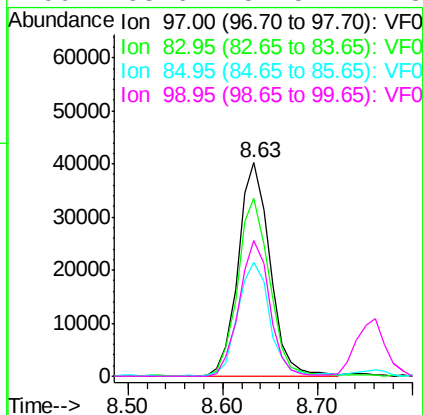
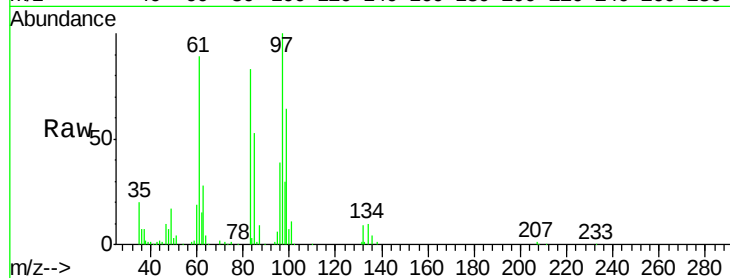
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	93863
Ion Ratio	Lower	Upper	
97	100		
83	83.2	66.9	100.3
85	53.3	46.9	70.3
99	63.6	51.5	77.3

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#56

Ethyl methacrylate

Concen: 45.71 ug/l

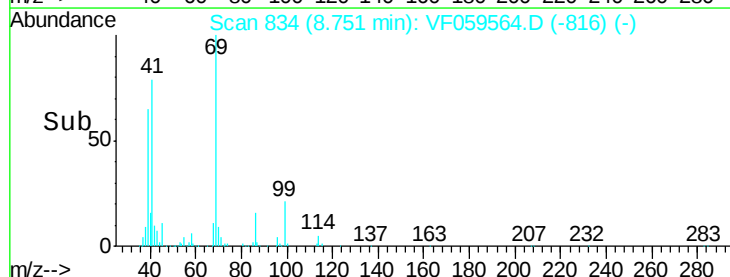
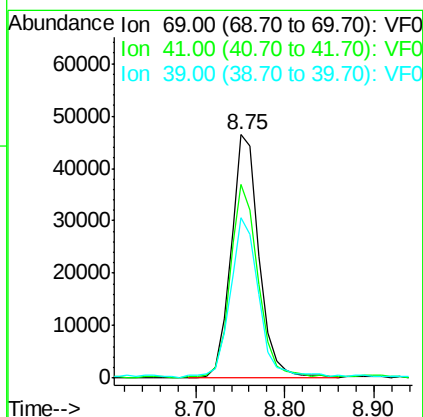
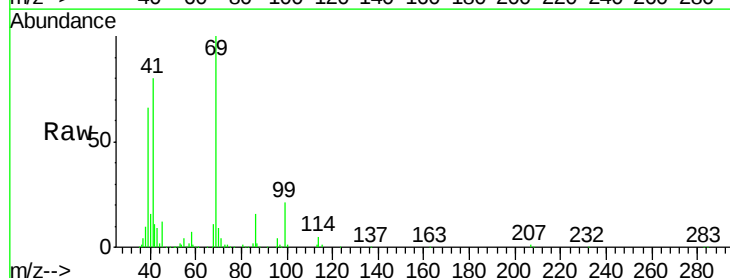
RT: 8.75 min Scan# 834

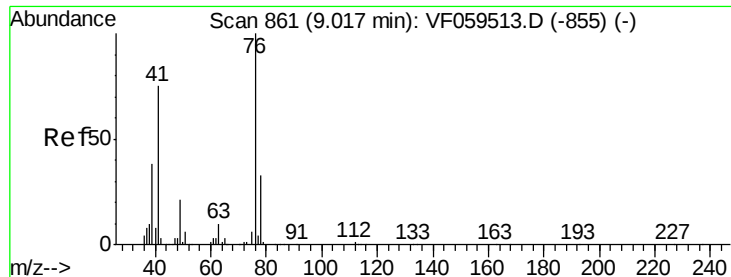
Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion:	69	Resp:	101928
Ion Ratio	Lower	Upper	
69	100		
41	79.7	65.4	98.2
39	65.8	51.0	76.4





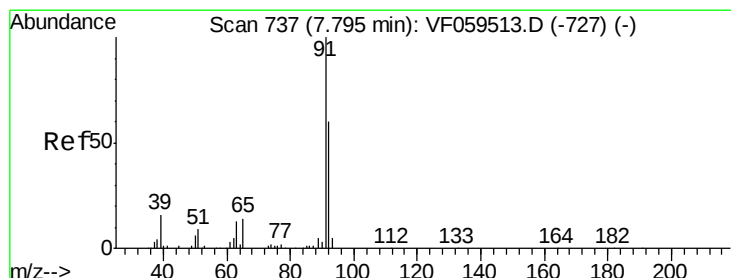
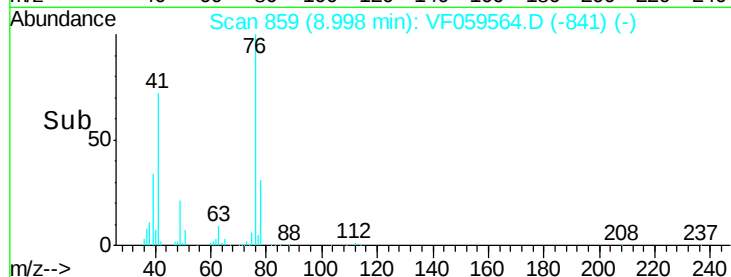
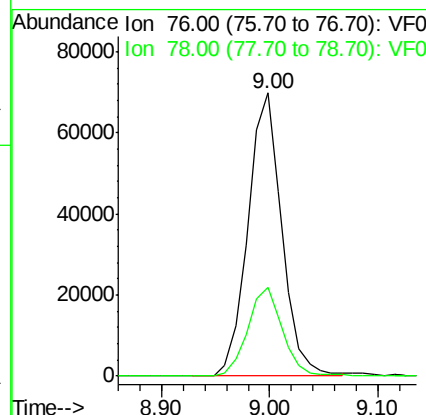
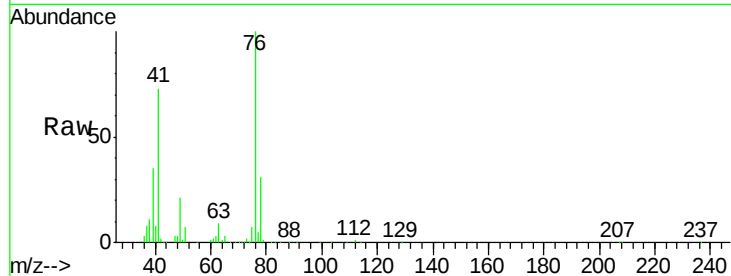
#57
 1,3-Dichloropropane
 Concen: 47.85 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 152125
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.4 39.6

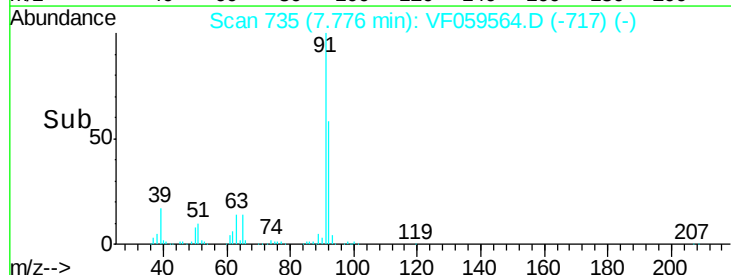
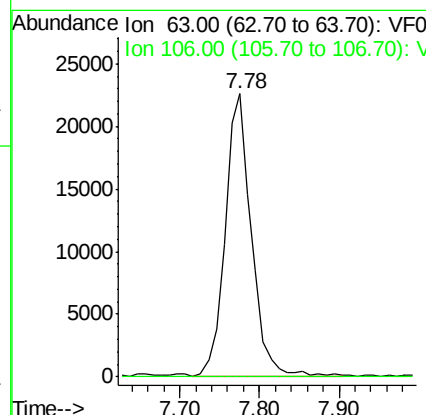
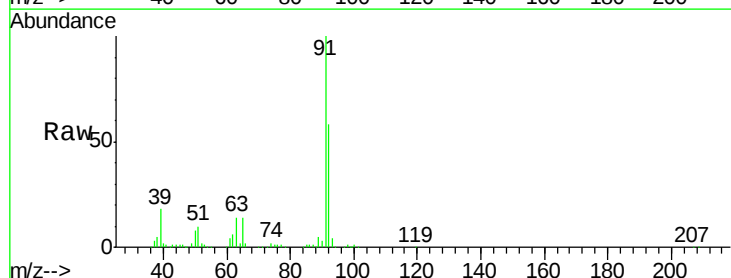
Manual Integrations
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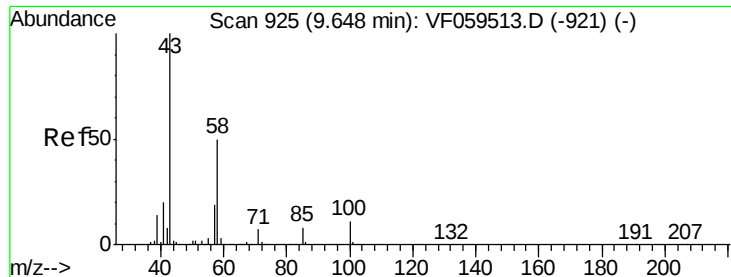
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#58
 2-Chloroethyl Vinyl ether
 Concen: 267.21 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion: 63 Resp: 52602
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





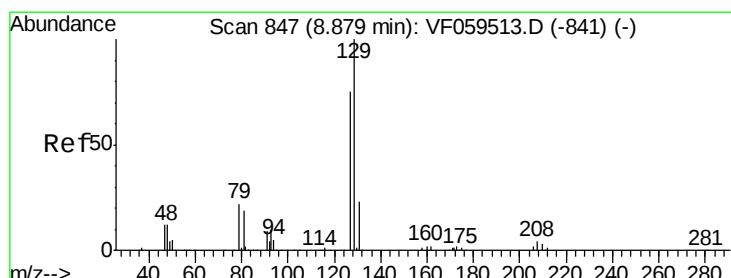
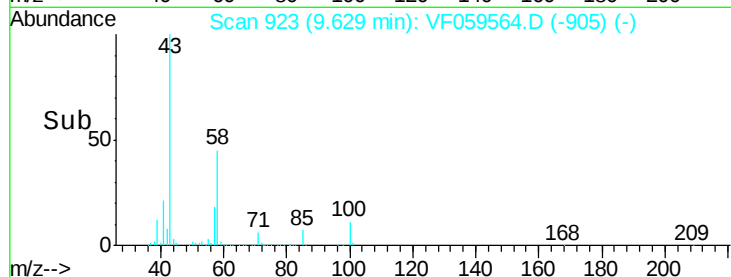
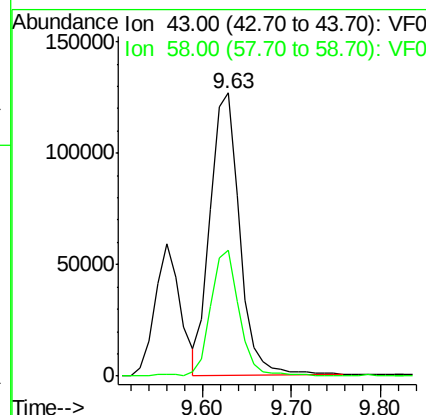
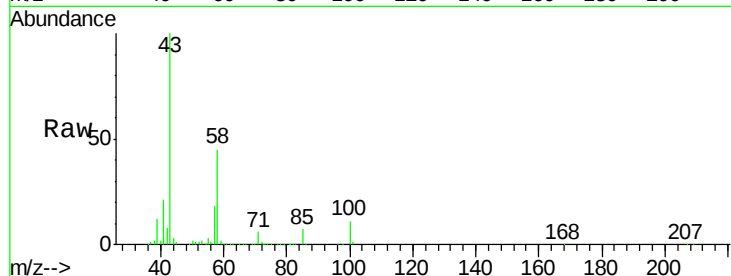
#59
2-Hexanone
Concen: 227.21 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.6	23.3	69.9

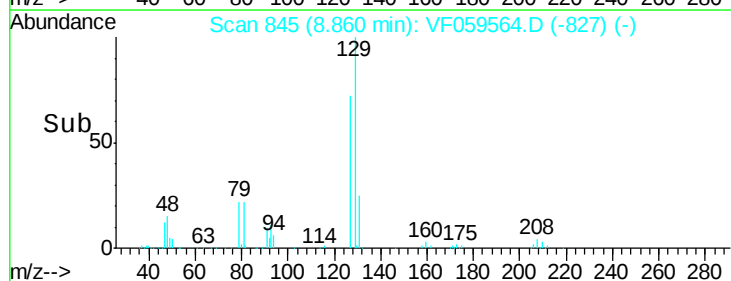
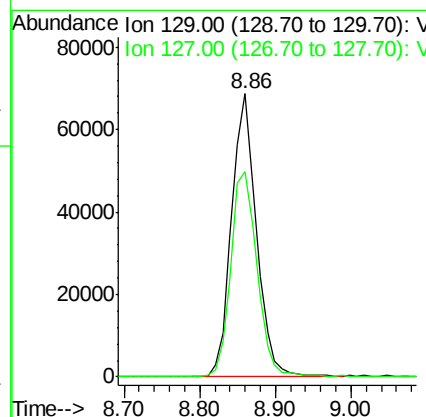
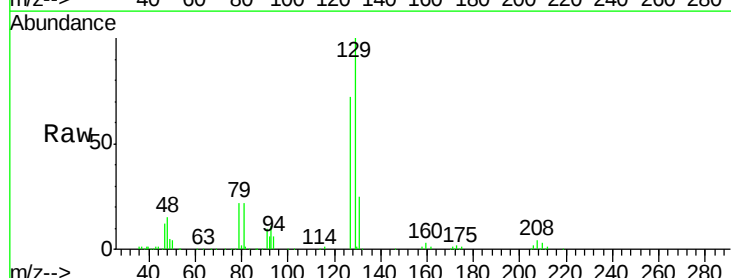
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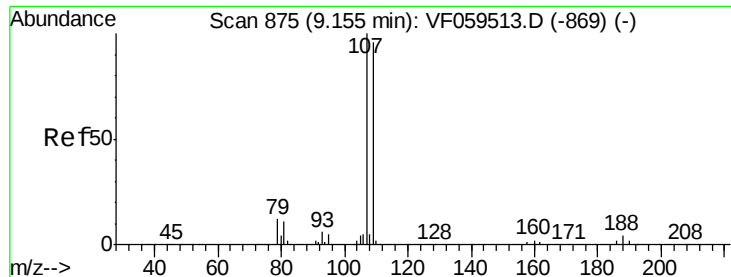
apatel
7/20/2018 11:48:53 AM



#60
Dibromochloromethane
Concen: 51.64 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.4	37.6	112.8





#61

1,2-Dibromoethane

Concen: 49.64 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 110745

Ion Ratio Lower Upper

107 100

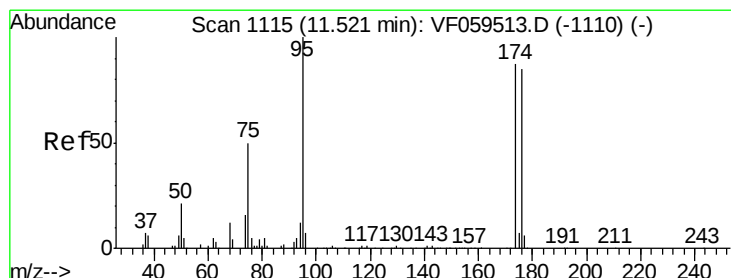
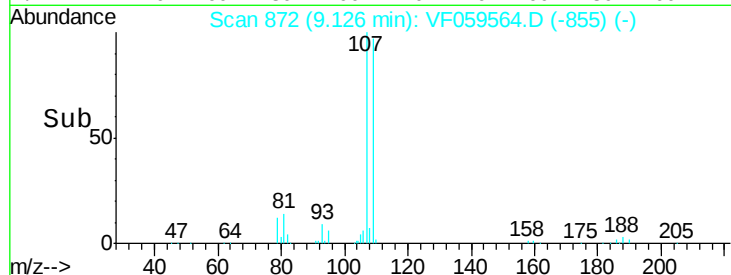
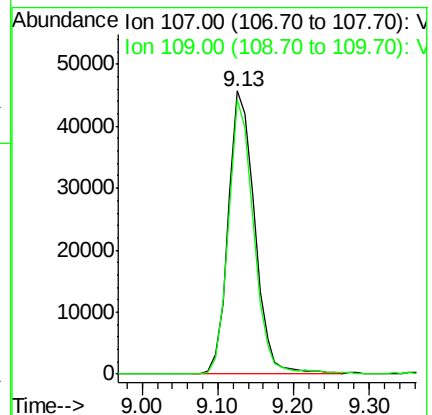
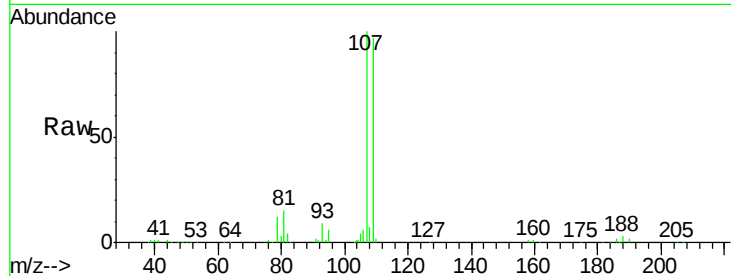
109 97.0 76.5 114.7

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#62

4-Bromofluorobenzene

Concen: 53.56 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

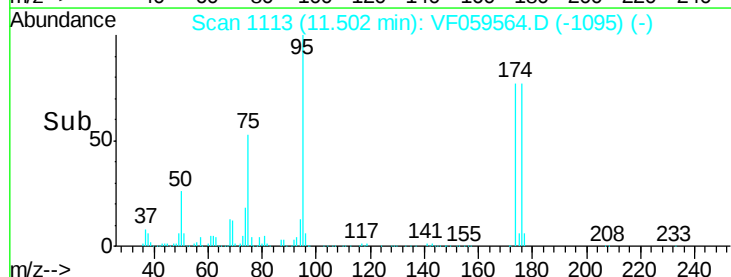
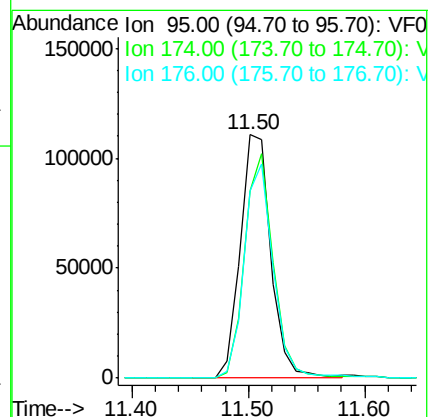
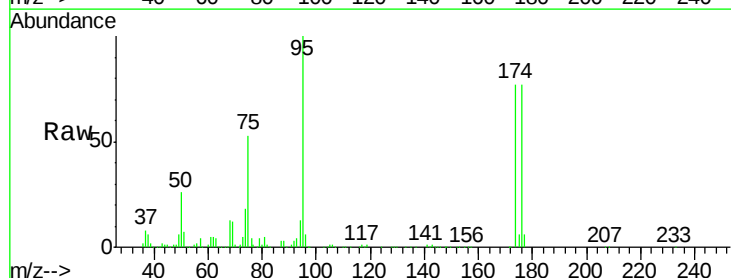
Tgt Ion: 95 Resp: 201978

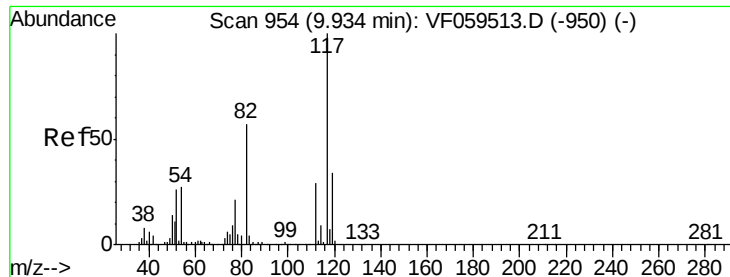
Ion Ratio Lower Upper

95 100

174 76.9 0.0 174.4

176 76.8 0.0 169.4





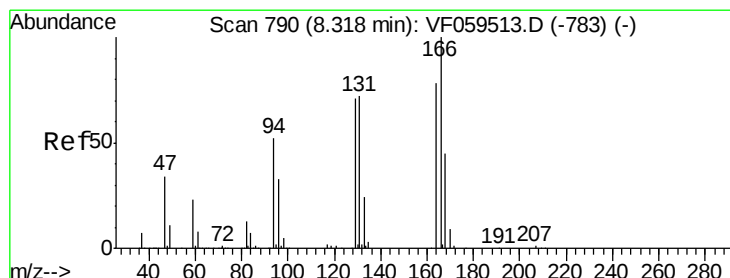
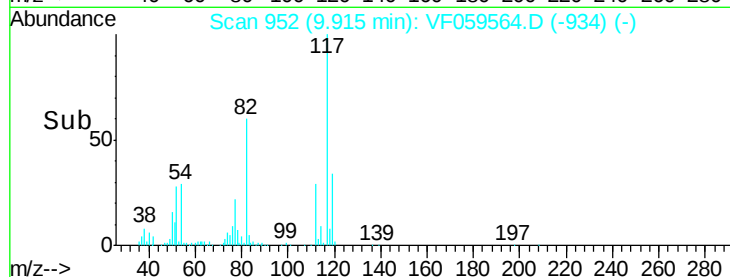
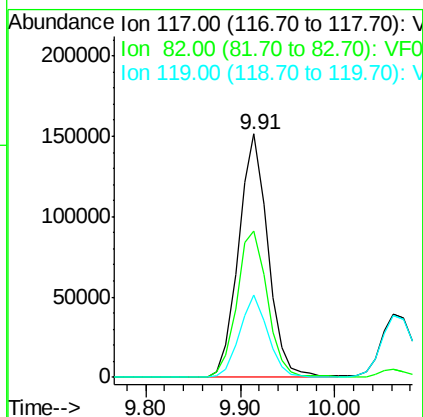
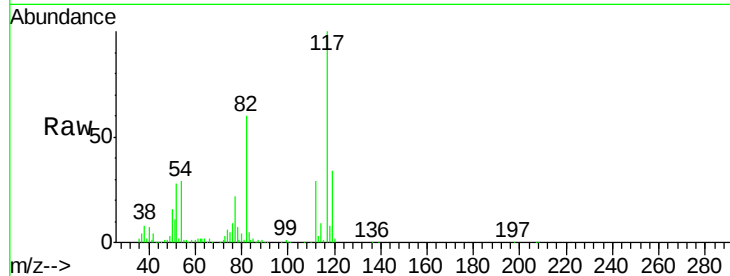
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	60.1	46.1	69.1
119	33.6	27.2	40.8

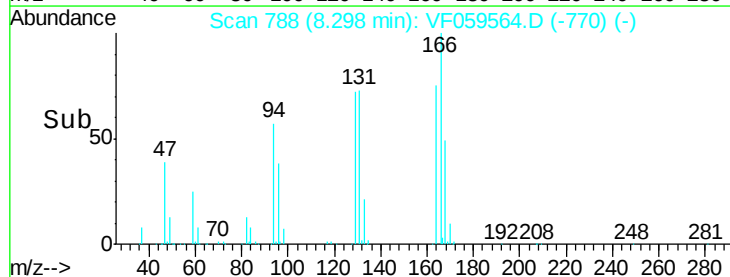
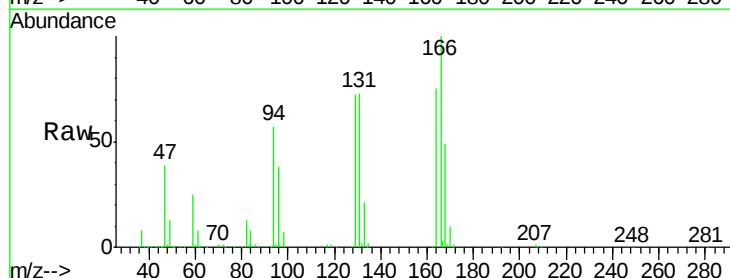
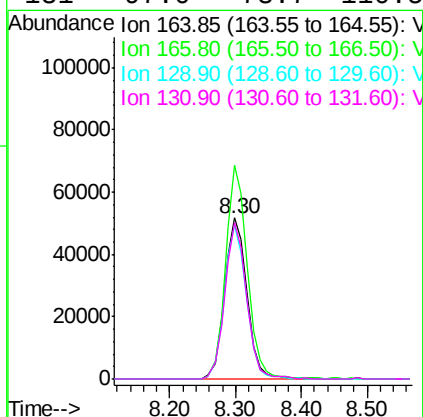
Manual Integrations
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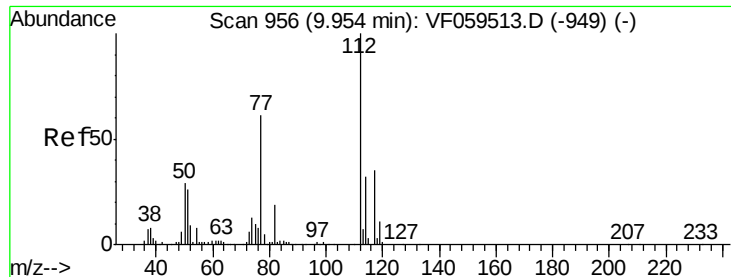
apatel
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#64
Tetrachloroethene
Concen: 50.77 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	132.5	102.3	153.5
129	95.2	72.4	108.6
131	97.0	73.7	110.5





#65

Chlorobenzene

Concen: 50.17 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 307335

Ion Ratio Lower Upper

112 100

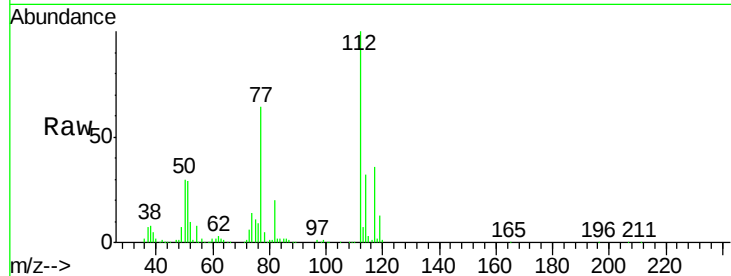
114 32.4 25.4 38.2

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

150000

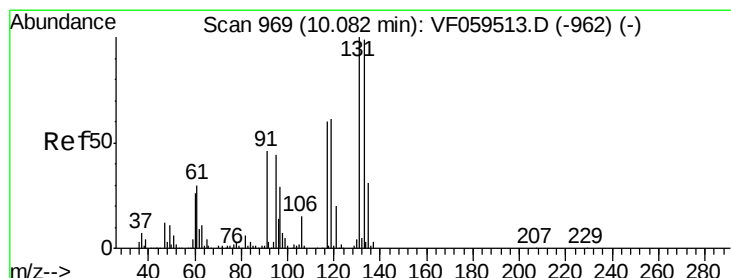
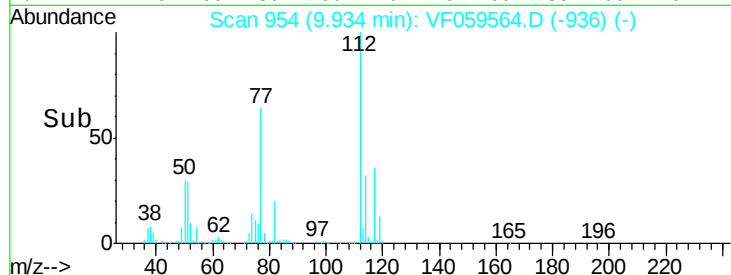
100000

50000

0

9.80 9.90 10.00 10.10

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.55 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

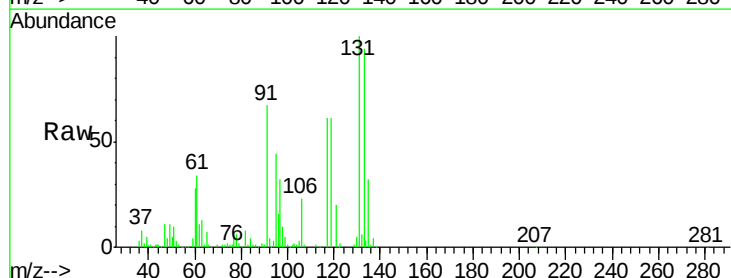
Tgt Ion:131 Resp: 146629

Ion Ratio Lower Upper

131 100

133 94.1 49.6 148.8

119 60.8 31.4 94.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

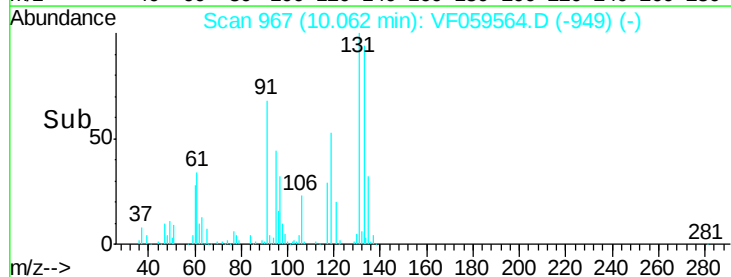
40000

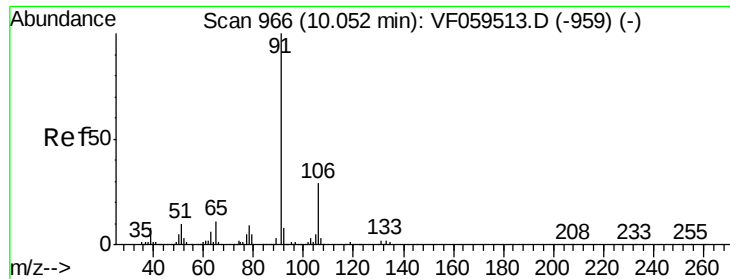
20000

0

10.00 10.10 10.20

Time-->





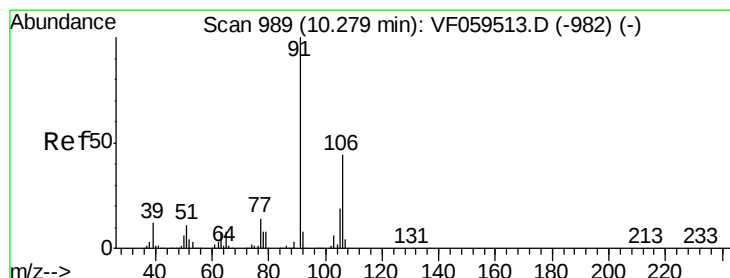
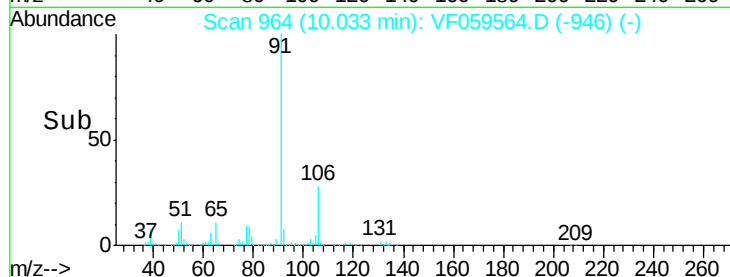
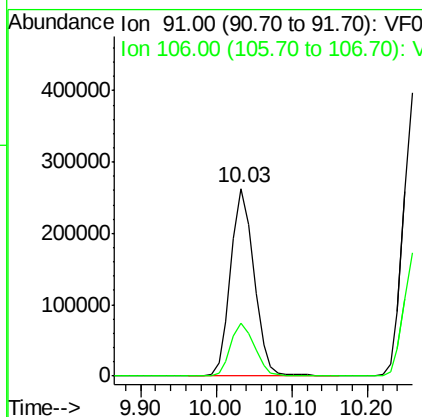
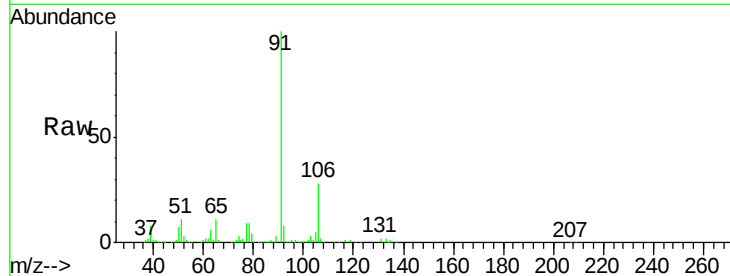
#67
Ethyl Benzene
Concen: 51.91 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	28.0	23.4	35.2

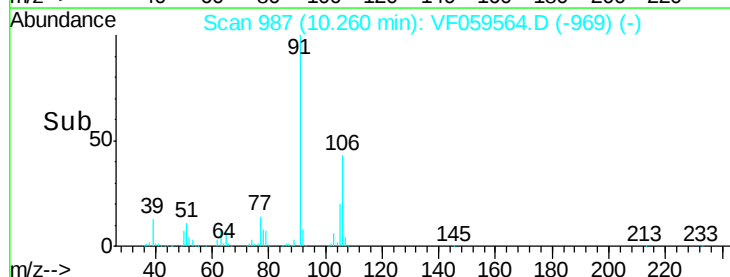
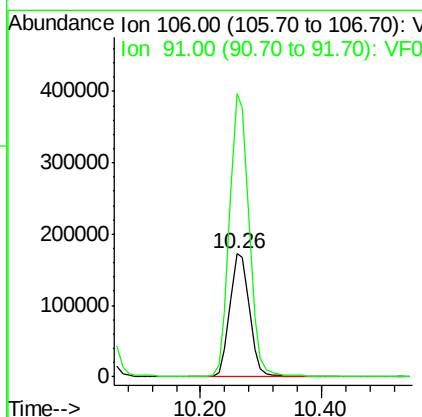
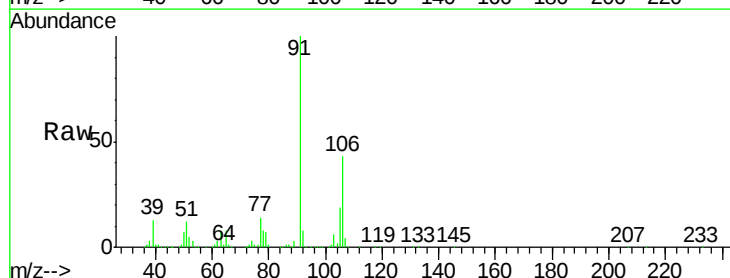
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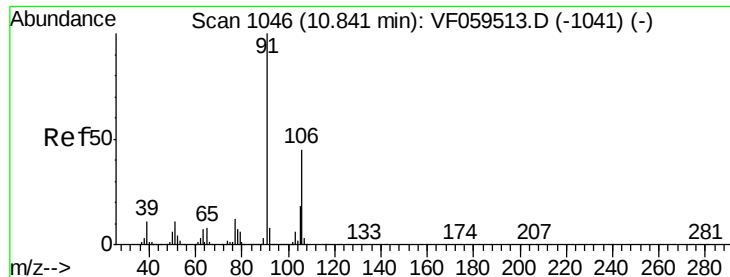
apatel
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#68
m/p-Xylenes
Concen: 102.07 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
106	100		
91	229.9	181.0	271.4





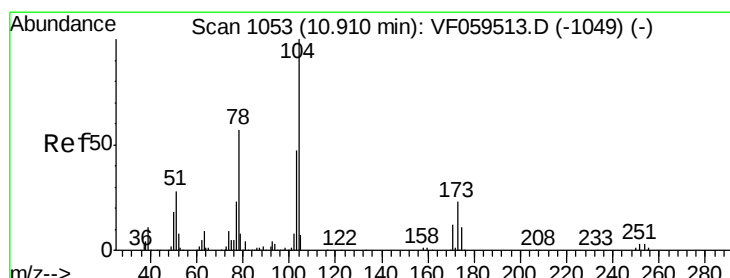
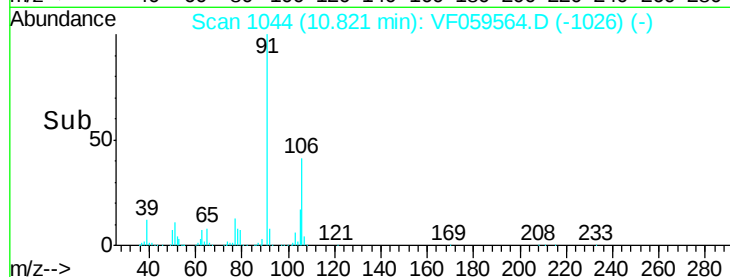
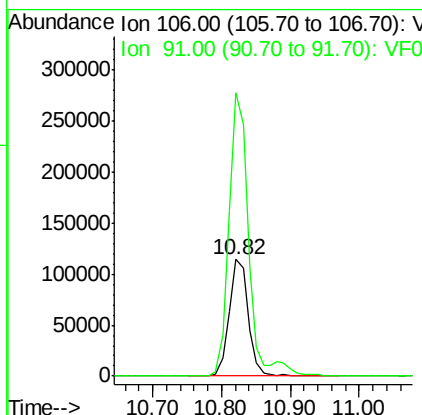
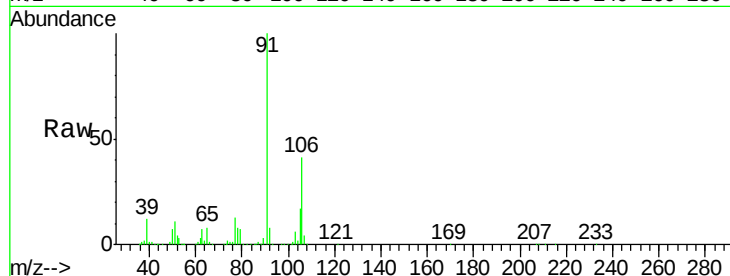
#69
o-Xylene
Concen: 53.74 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	242.2	112.3	336.9

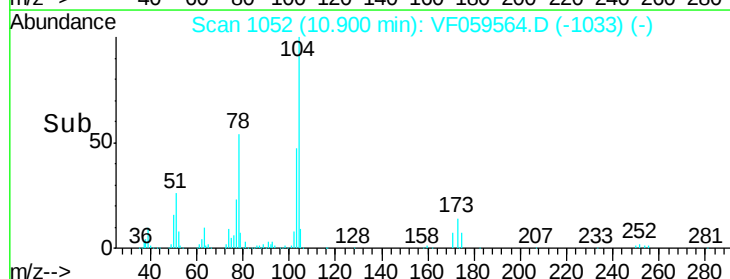
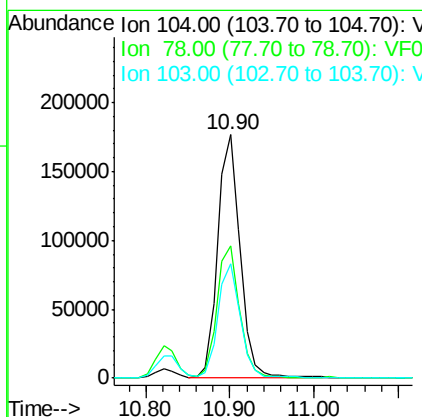
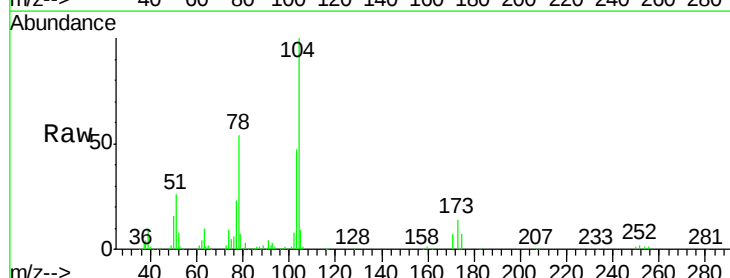
Manual Integrations
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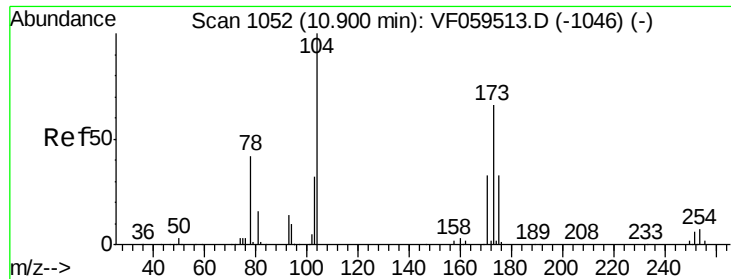
apatel
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#70
Styrene
Concen: 51.48 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.3	45.7	68.5
103	46.9	38.1	57.1





#71

Bromoform

Concen: 50.65 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 98169

Ion Ratio Lower Upper

173 100

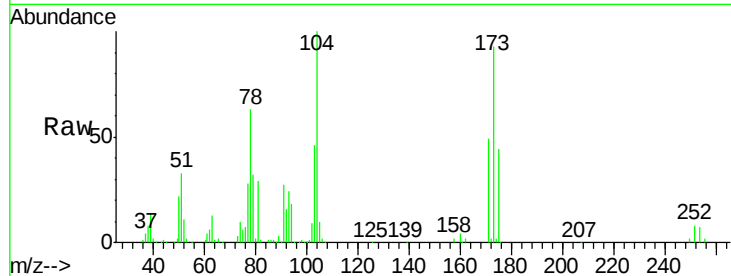
175 47.5 25.3 75.8

254 0.0 0.0 0.0

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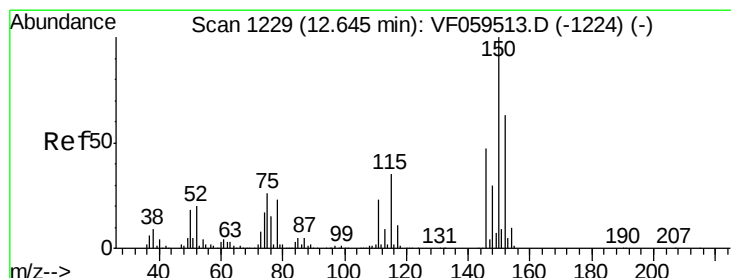
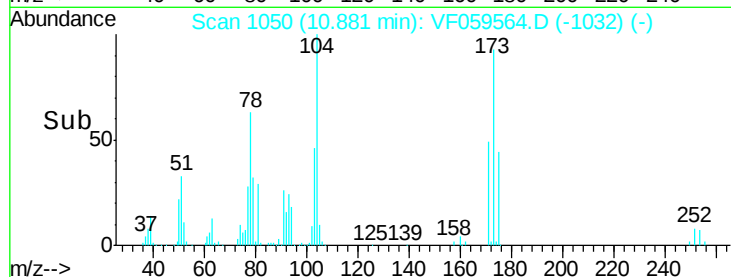
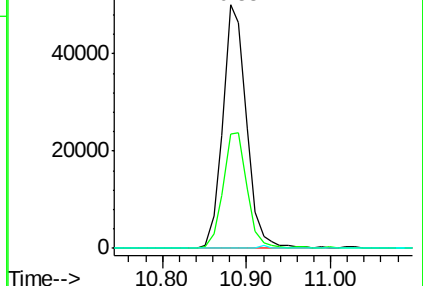
7/20/2018 11:48:53 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

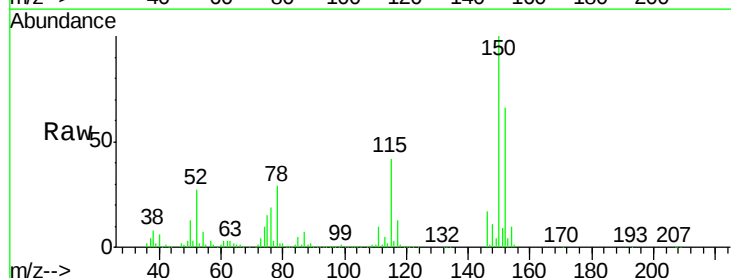
Tgt Ion:152 Resp: 223506

Ion Ratio Lower Upper

152 100

115 63.3 27.8 83.3

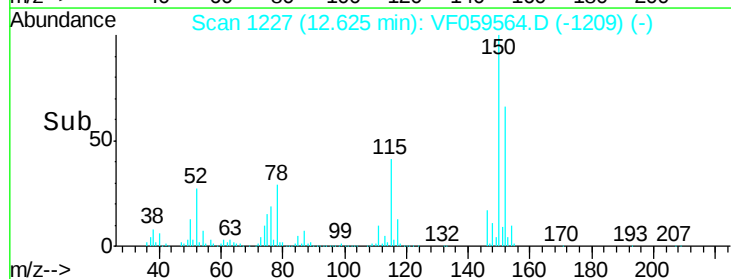
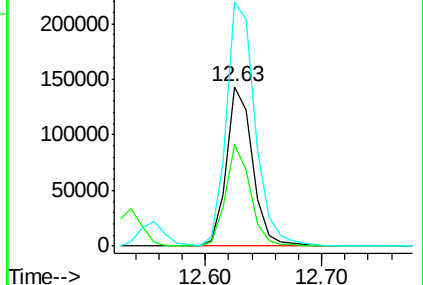
150 152.4 0.0 318.4

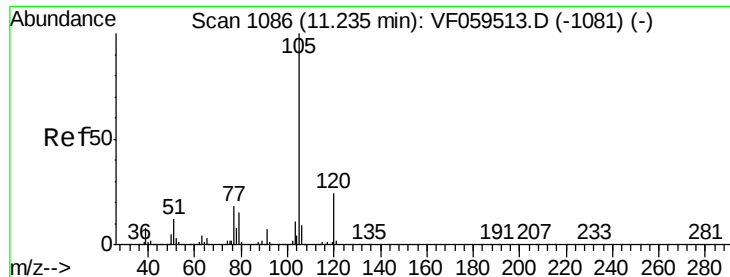


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 48.73 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 687228

Ion Ratio Lower Upper

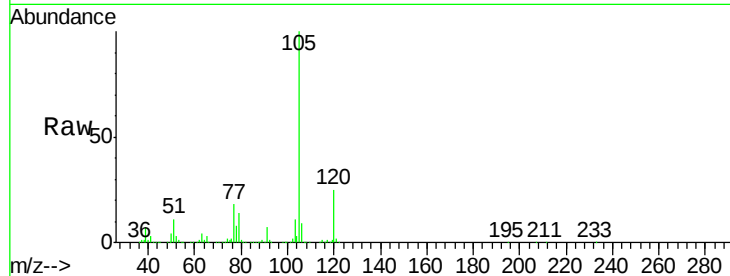
105 100

120 24.7 12.0 36.0

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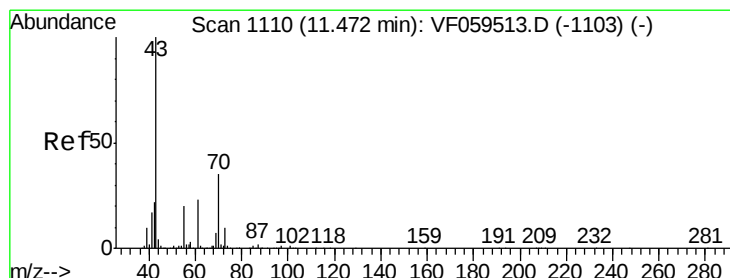
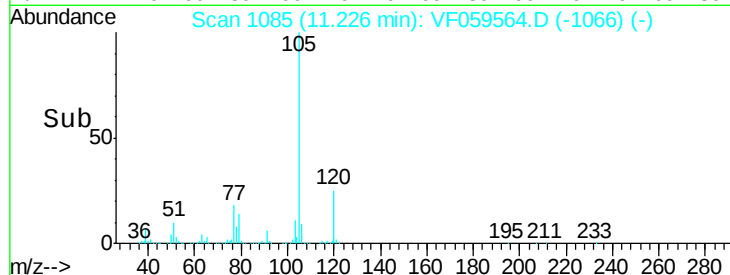
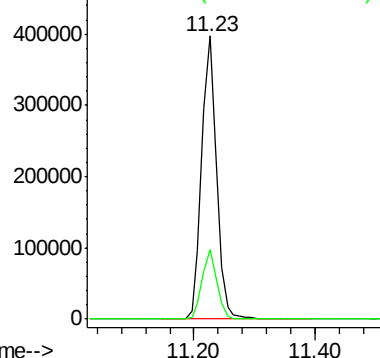
apatel

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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: 36.69 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion: 43 Resp: 165729

Ion Ratio Lower Upper

43 100

70 35.2 27.9 41.9

55 20.7 16.2 24.2

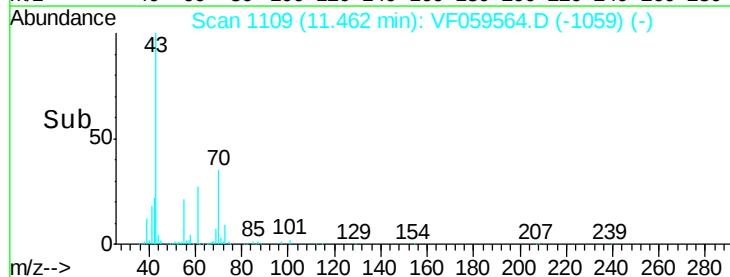
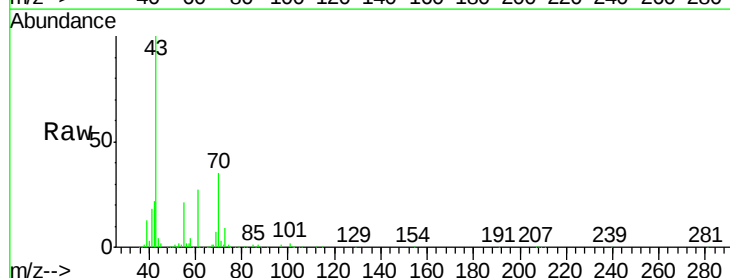
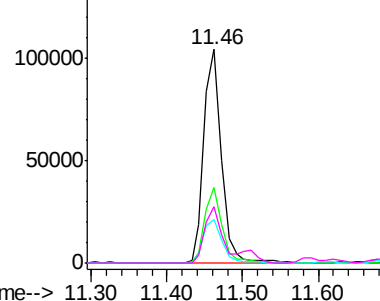
61 26.6 18.6 27.8

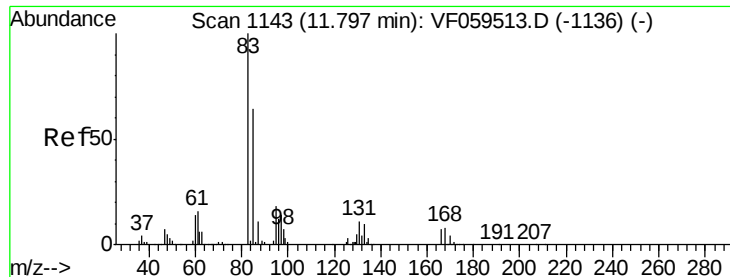
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 43.73 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

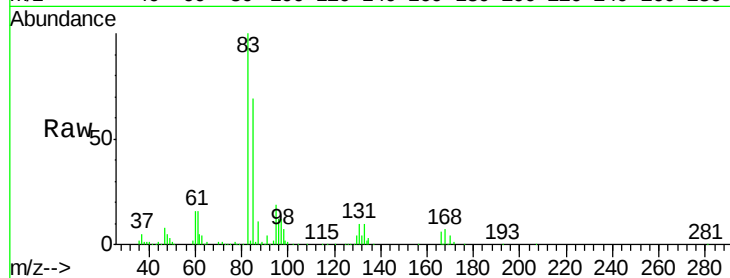
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	134503
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.7	17.1
85	69.2	31.9	95.9

Manual Integrations
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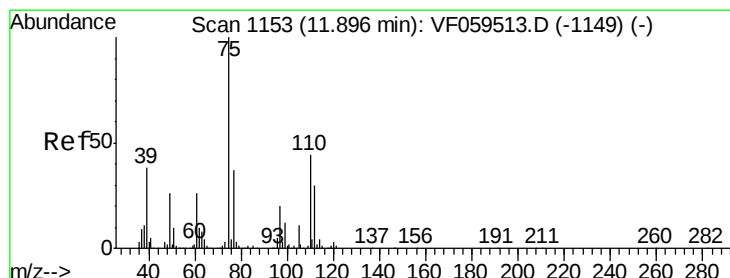
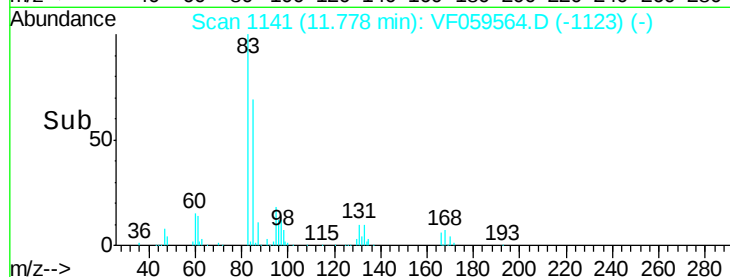
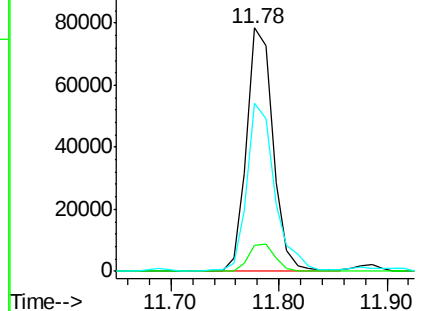
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Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 43.33 ug/l

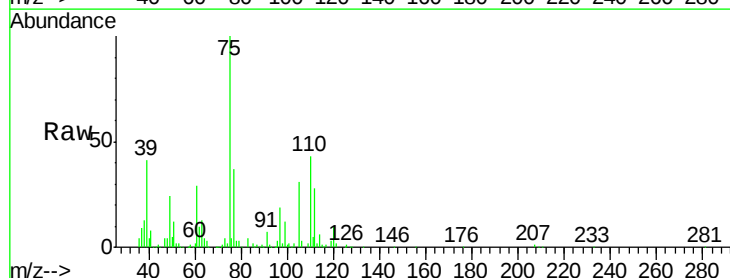
RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF059564.D

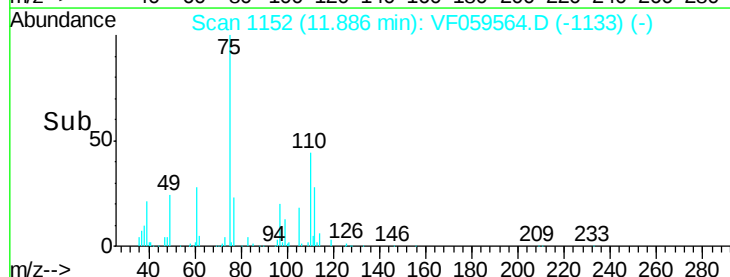
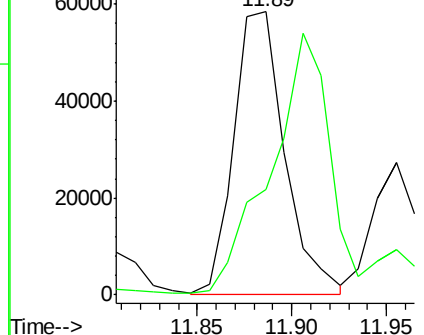
Acq: 19 Jul 2018 19:06

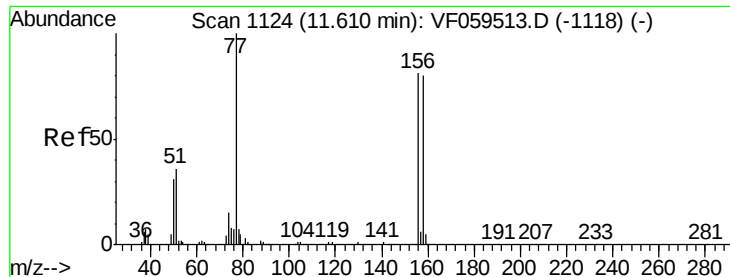
Tgt Ion:	75	Resp:	108833
Ion Ratio	Lower	Upper	
75	100		
77	37.2	18.7	56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





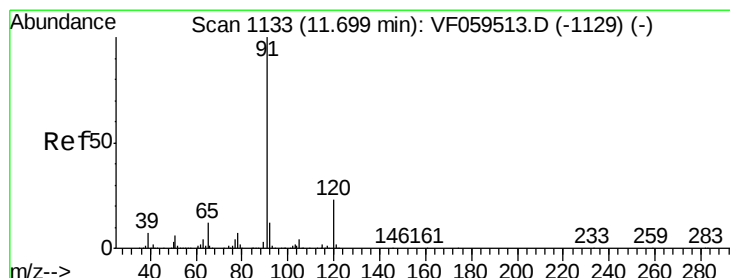
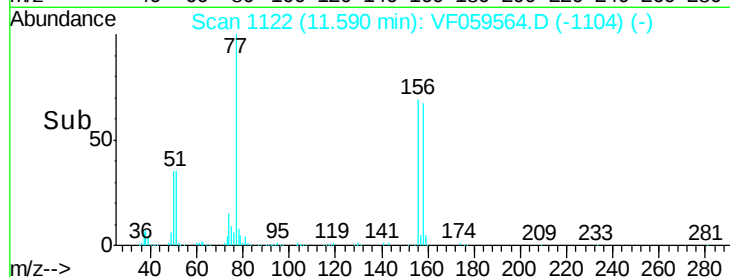
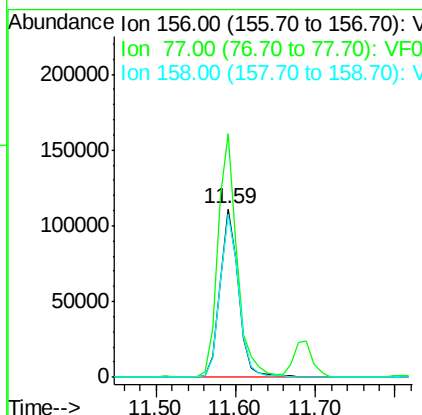
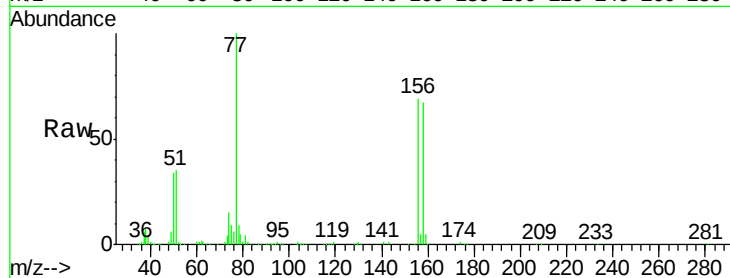
#77
Bromobenzene
Concen: 46.11 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.4	62.0	186.0
158	97.0	49.8	149.3

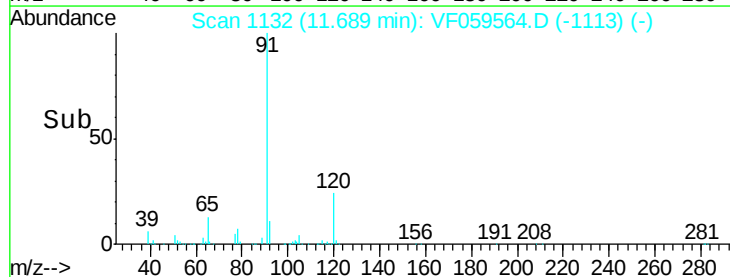
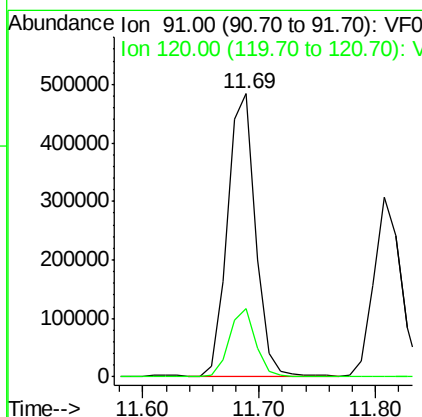
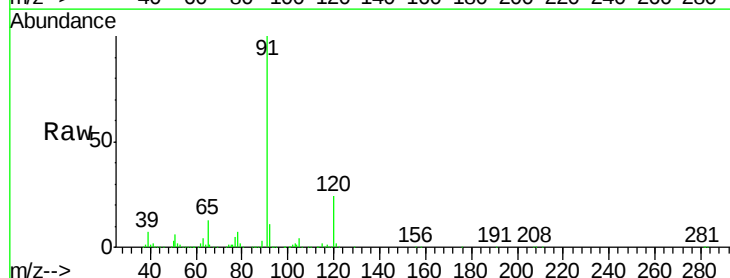
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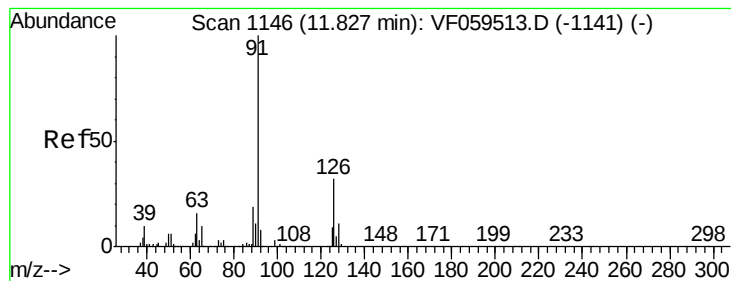
apatel
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#78
n-propylbenzene
Concen: 49.74 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.3	33.9





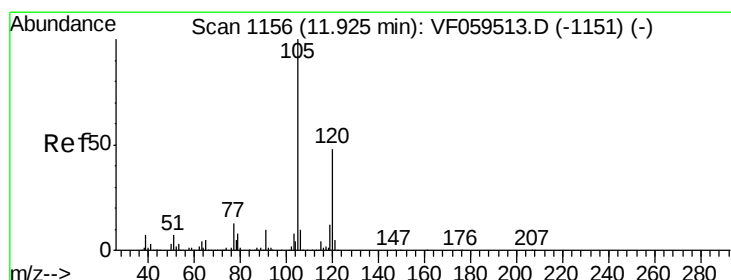
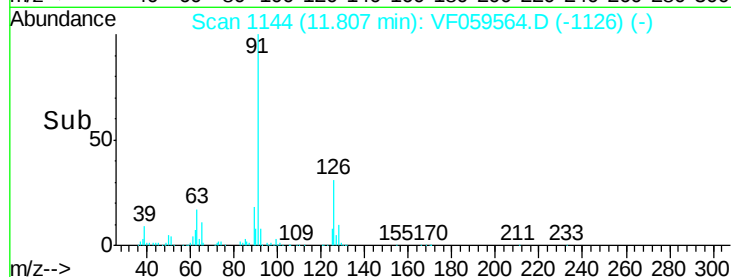
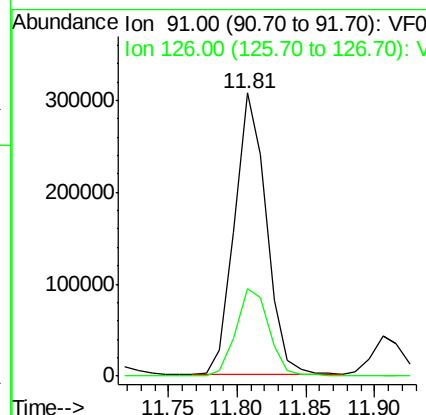
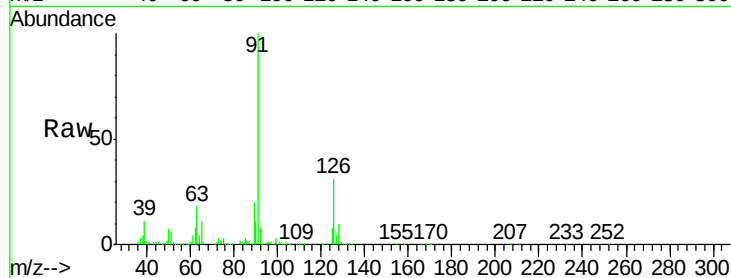
#79
 2-Chlorotoluene
 Concen: 49.57 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 493924
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.7 47.1

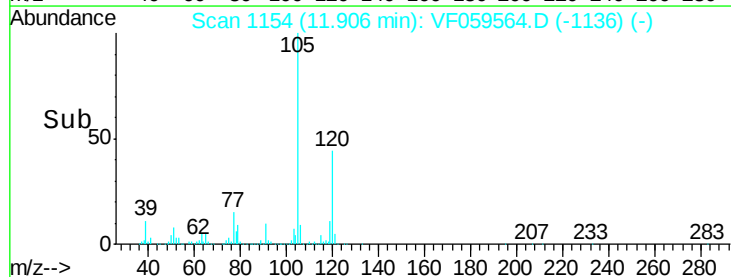
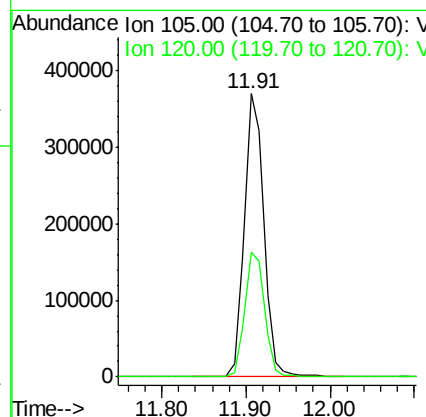
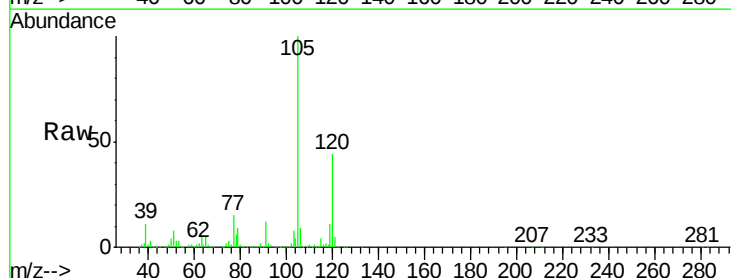
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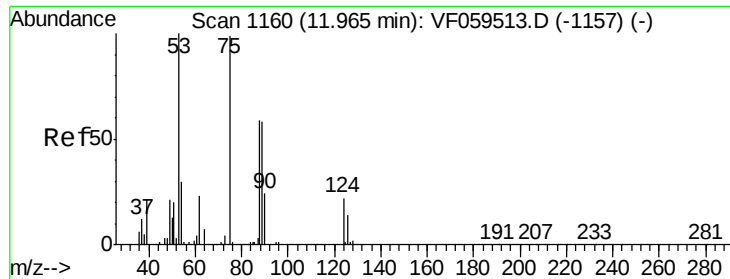
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.50 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion: 105 Resp: 596799
 Ion Ratio Lower Upper
 105 100
 120 44.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 41.52 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

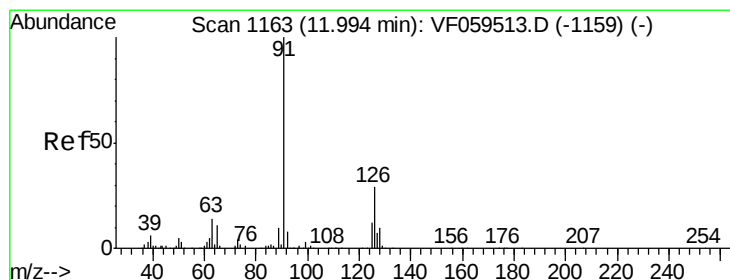
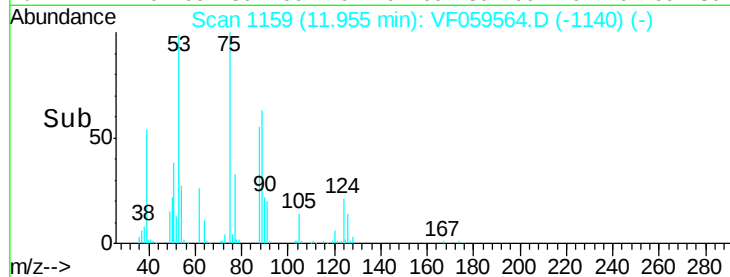
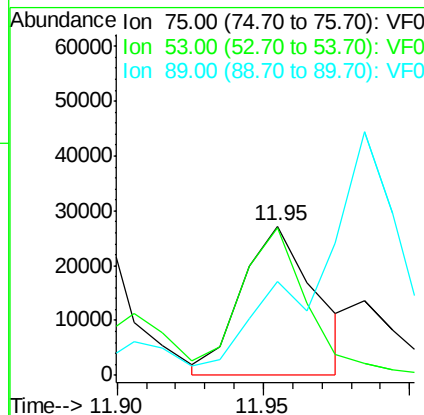
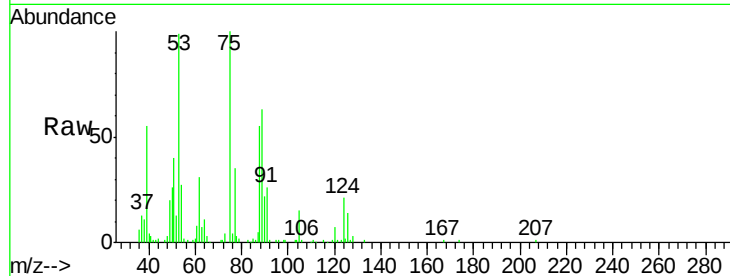
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	47640
Ion	Ratio	Lower	Upper
75	100		
53	99.1	84.6	127.0
89	62.6	48.2	72.4

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#82

4-Chlorotoluene

Concen: 47.58 ug/l

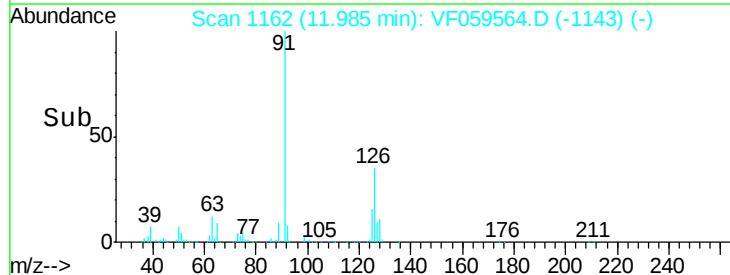
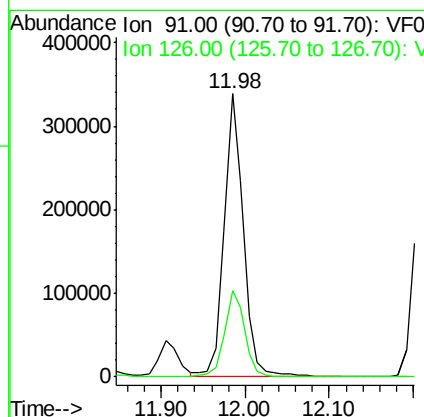
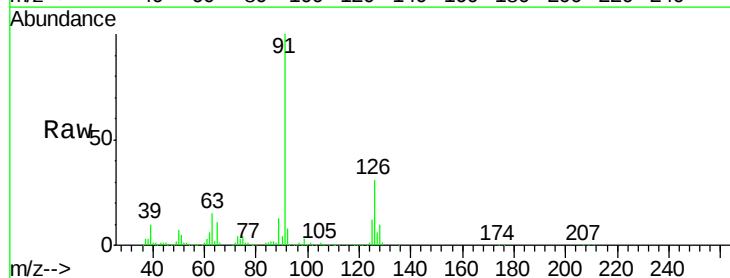
RT: 11.98 min Scan# 1162

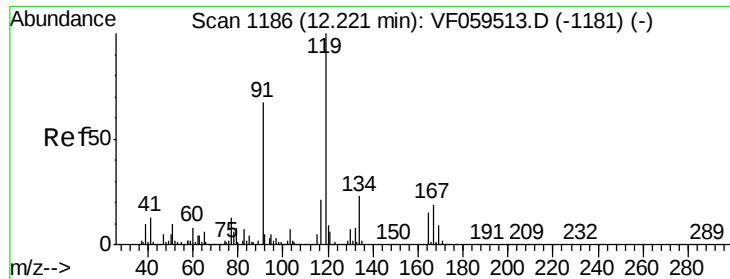
Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion:	91	Resp:	531289
Ion	Ratio	Lower	Upper
91	100		
126	30.7	14.4	43.4





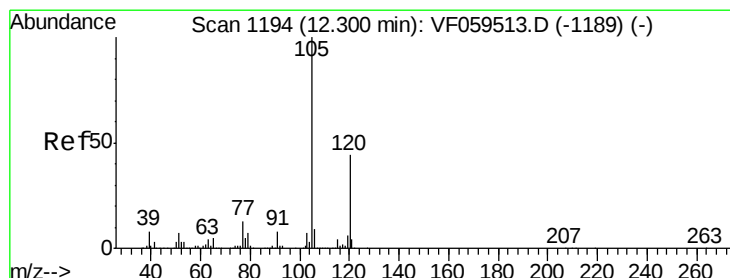
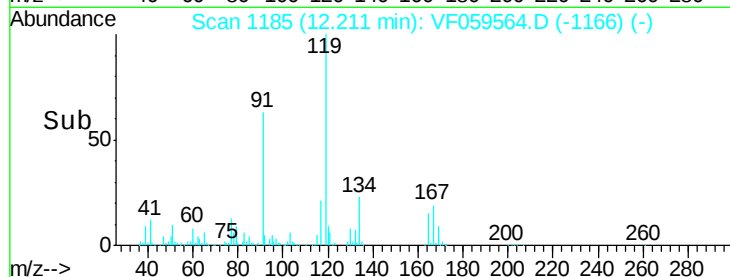
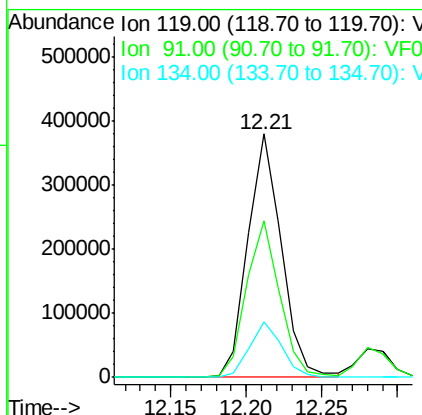
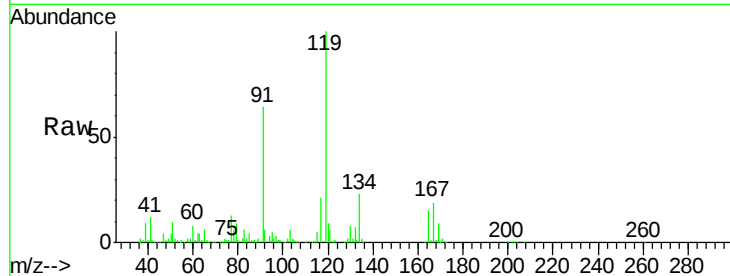
#83
tert-Butylbenzene
Concen: 51.86 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	33.5	100.5
134	22.6	11.3	33.8

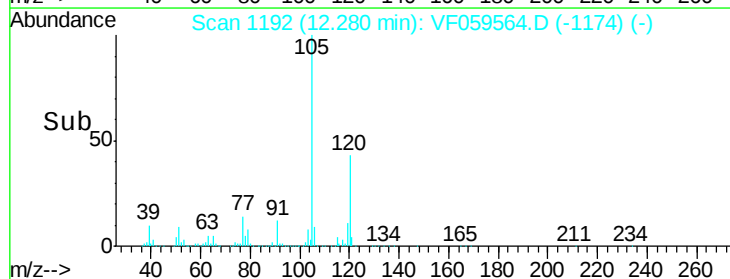
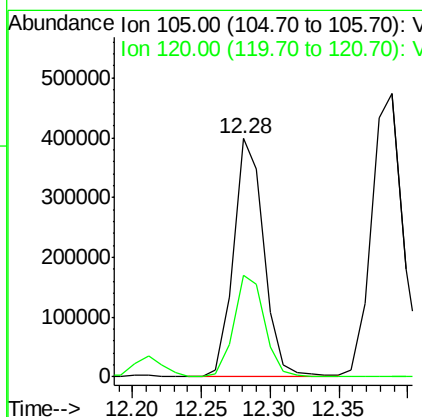
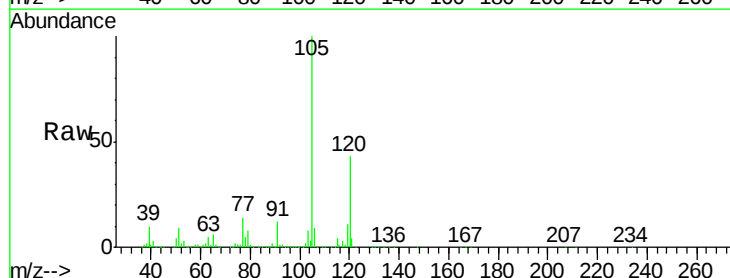
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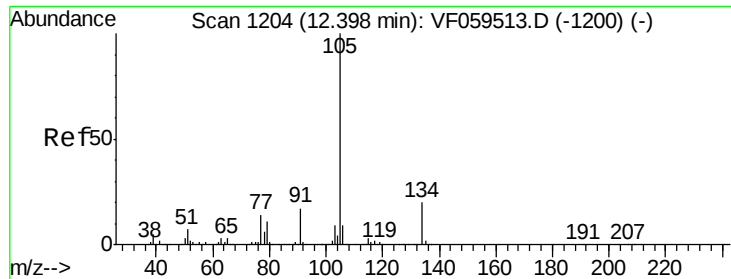
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#84
1,2,4-Trimethylbenzene
Concen: 50.28 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.5	67.5





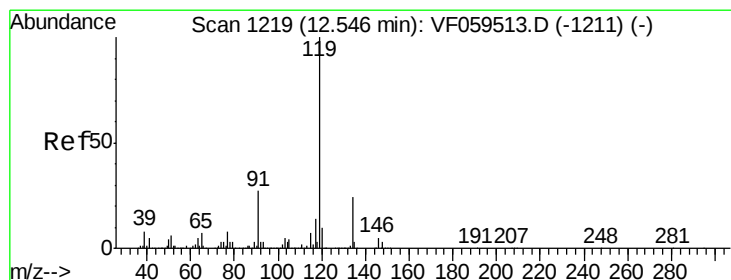
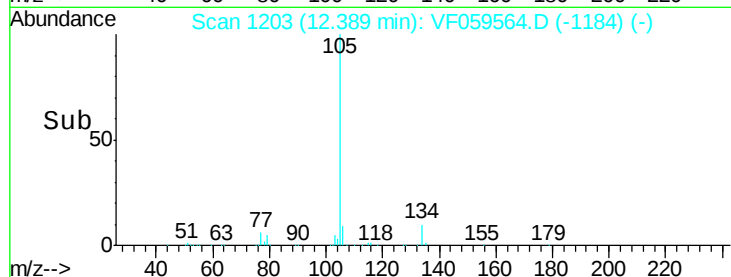
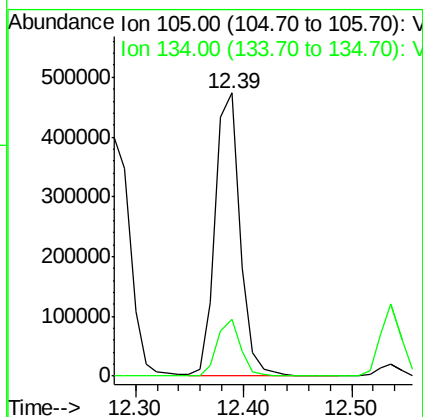
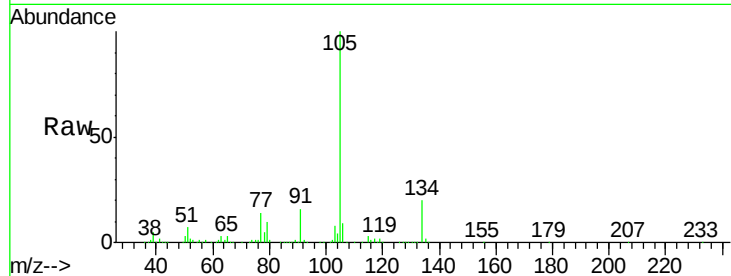
#85
 sec-Butylbenzene
 Concen: 52.52 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 757530
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.1 30.1

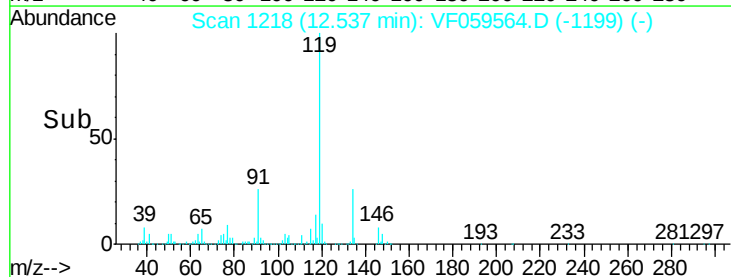
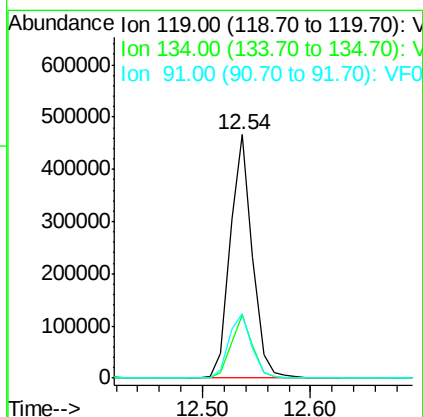
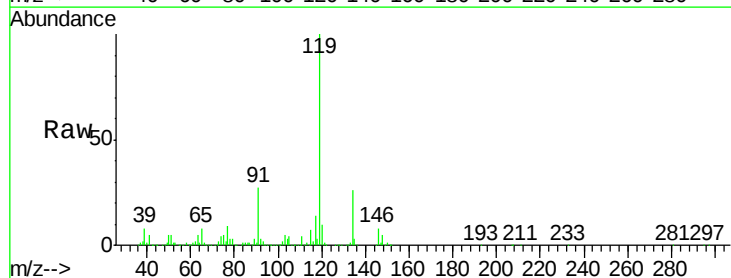
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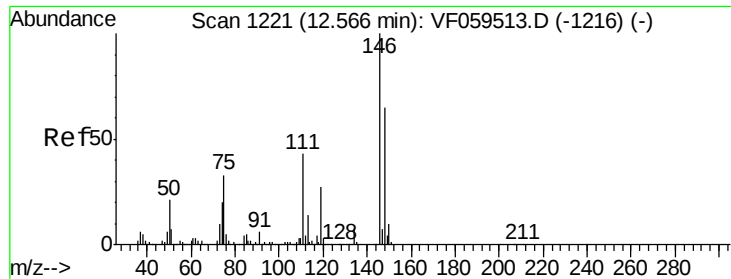
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#86
 p-Isopropyltoluene
 Concen: 52.67 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion:119 Resp: 661006
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.0 36.0
 91 26.6 13.5 40.4





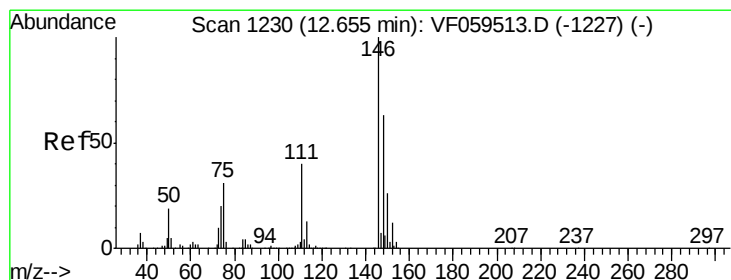
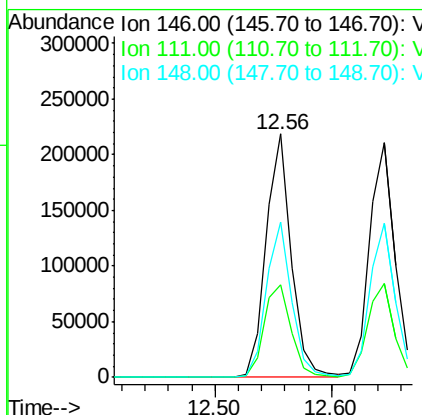
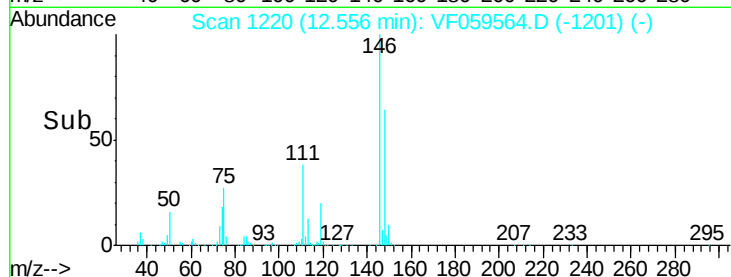
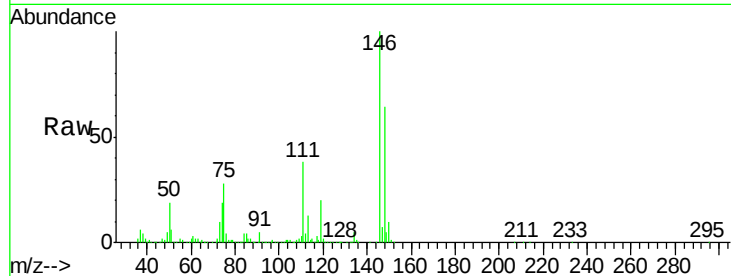
#87
 1,3-Dichlorobenzene
 Concen: 48.17 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	21.4	64.3
148	63.7	32.7	98.1

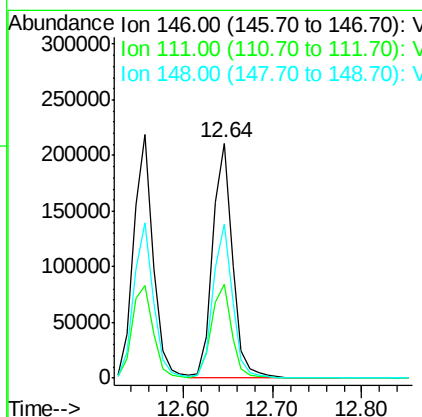
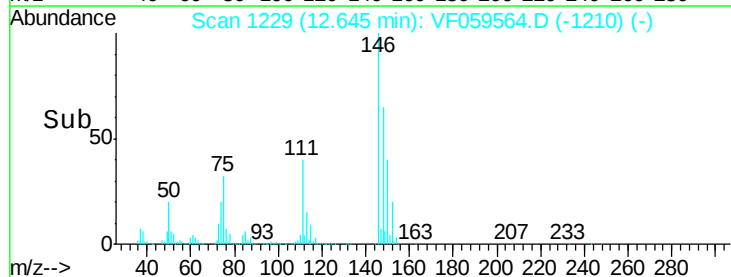
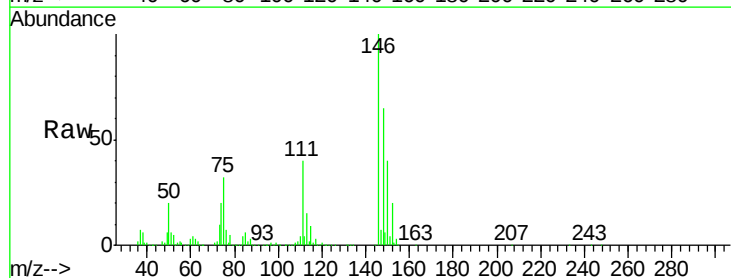
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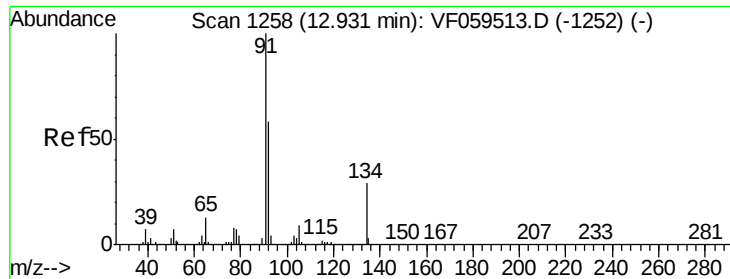
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#88
 1,4-Dichlorobenzene
 Concen: 49.07 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	65.4	31.5	94.5





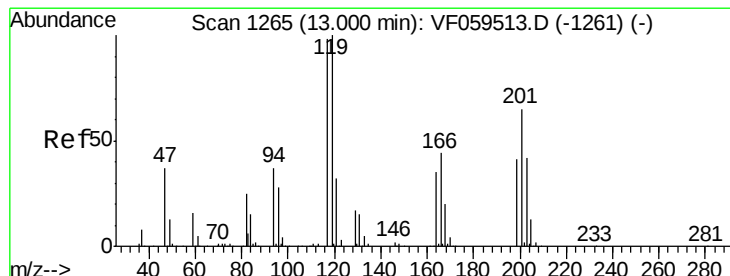
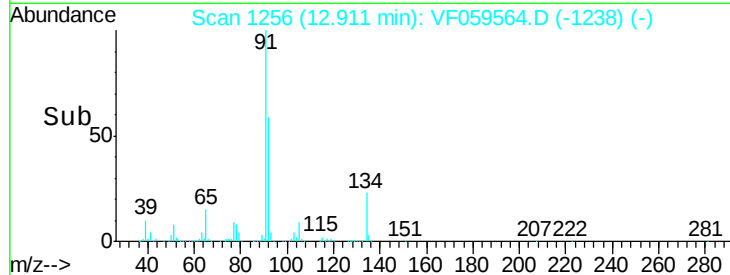
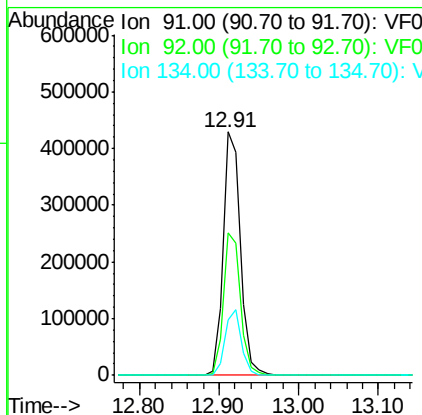
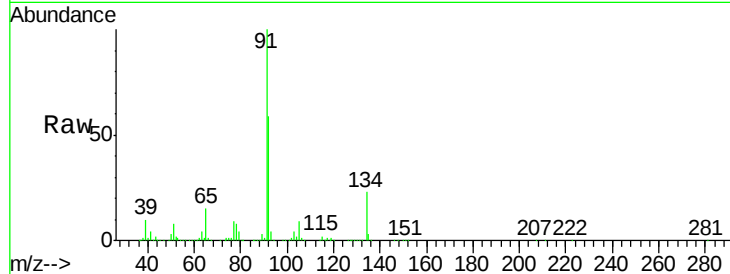
#89
n-Butylbenzene
Concen: 56.00 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.8	29.1	87.3
134	22.9	14.3	42.9

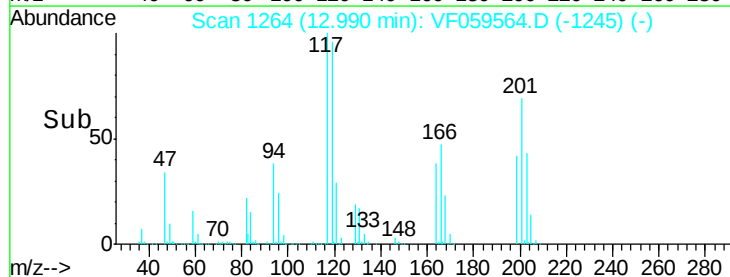
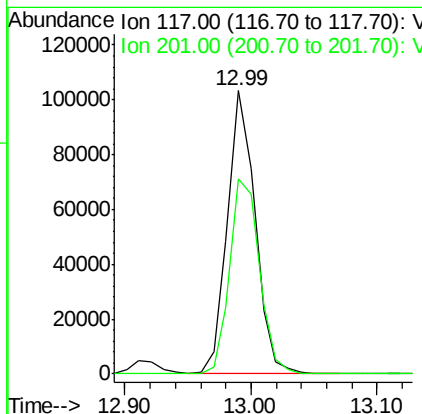
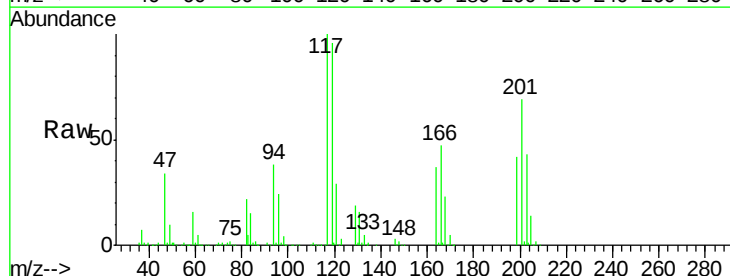
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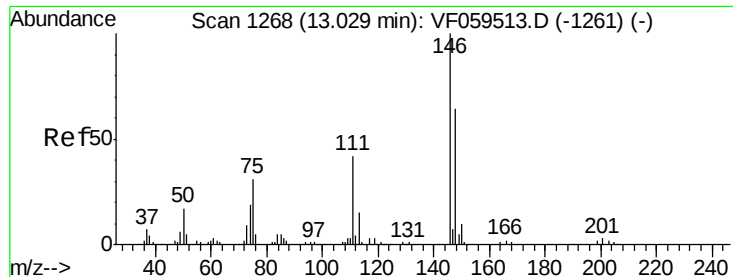
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#90
Hexachloroethane
Concen: 54.89 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.1	32.6	98.0





#91

1,2-Dichlorobenzene

Concen: 48.56 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

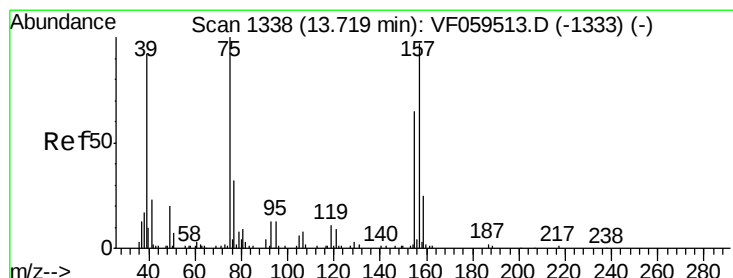
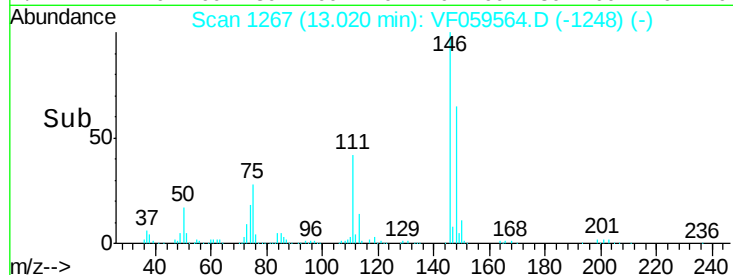
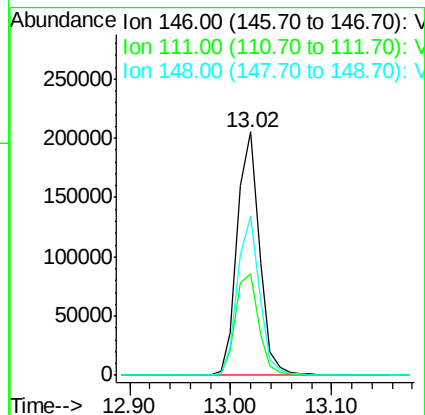
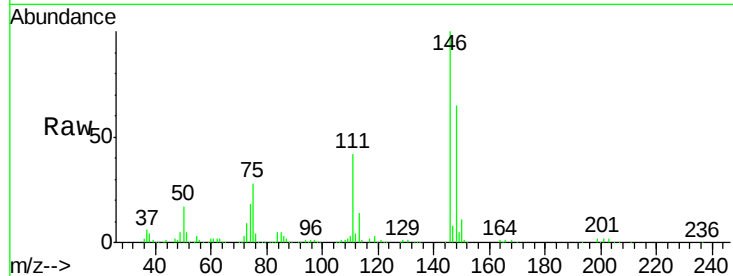
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	314992
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.1	63.1
148	65.3	32.3	96.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 44.91 ug/l

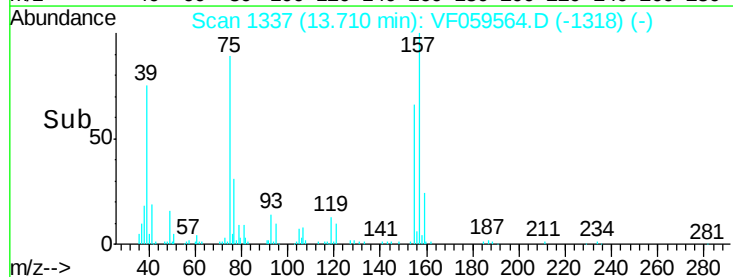
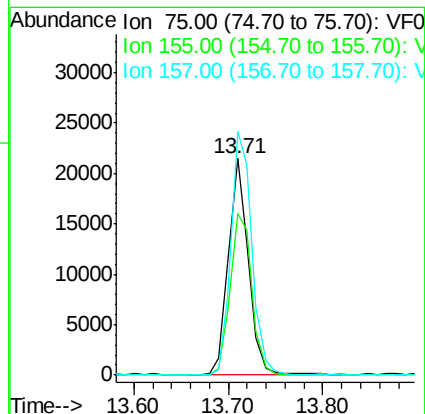
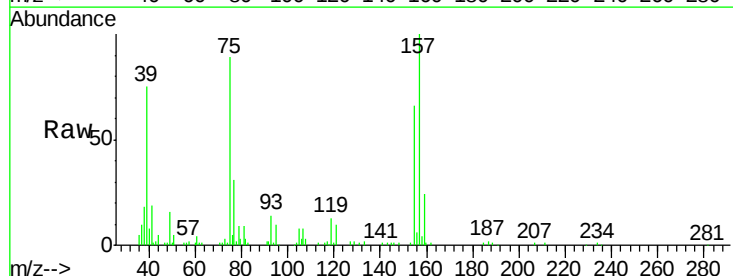
RT: 13.71 min Scan# 1337

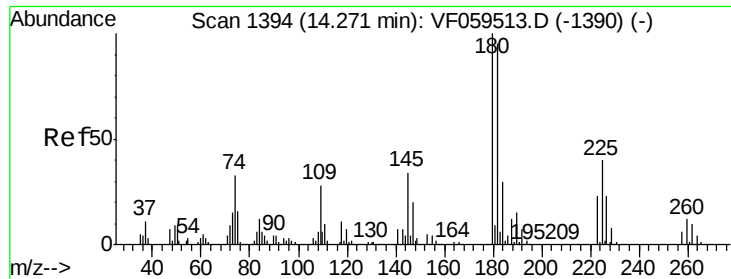
Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion:	75	Resp:	31297
Ion Ratio	Lower	Upper	
75	100		
155	74.5	32.8	98.3
157	112.4	48.5	145.5





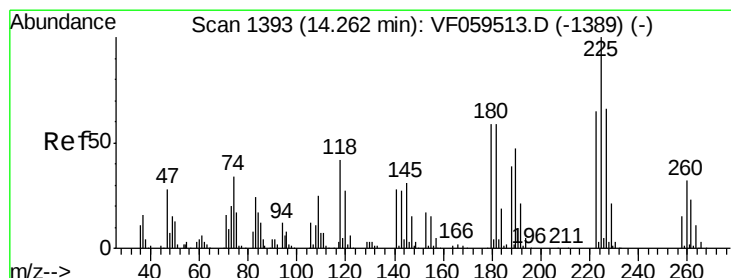
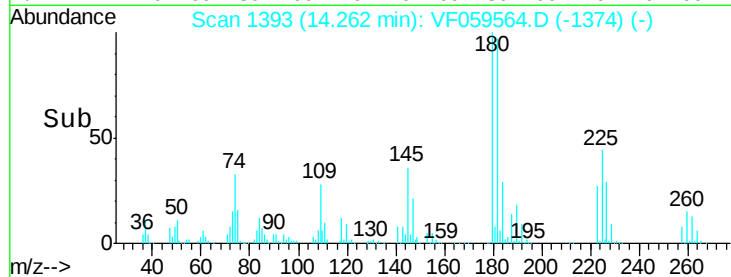
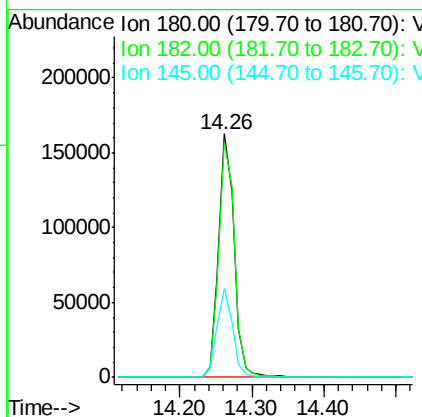
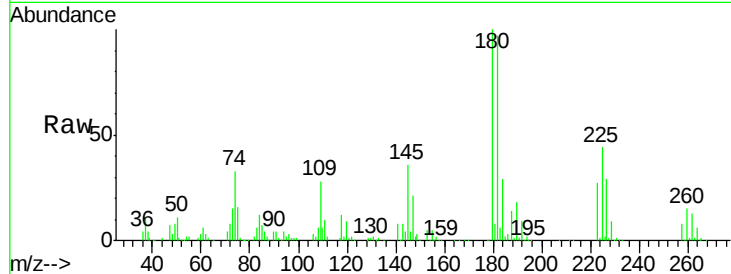
#93
 1,2,4-Trichlorobenzene
 Concen: 61.09 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	240765		
182	96.6	47.5	142.5	
145	36.5	17.3	51.7	

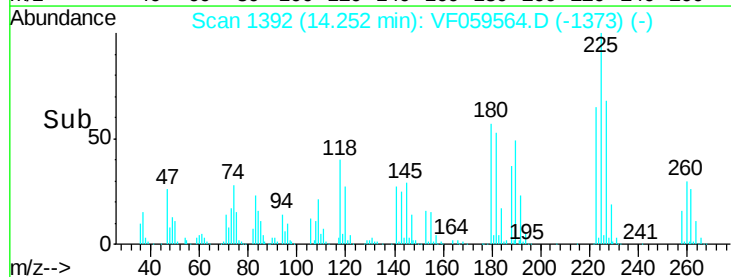
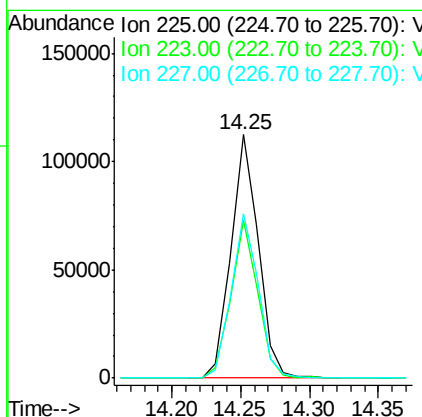
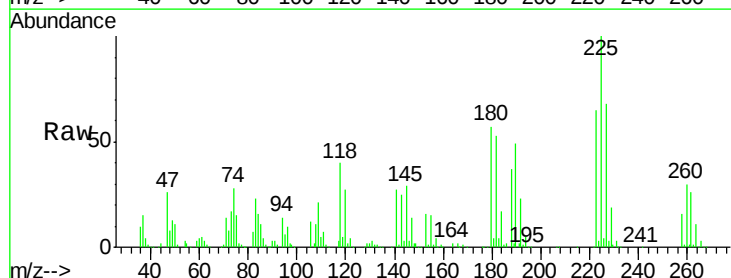
Manual Integrations
 APPROVED

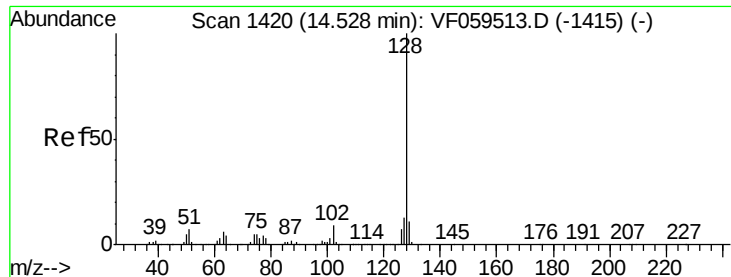
apatel
 7/20/2018 11:48:53 AM



#94
 Hexachlorobutadiene
 Concen: 76.72 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154897		
223	64.7	32.3	96.8	
227	67.5	33.2	99.6	





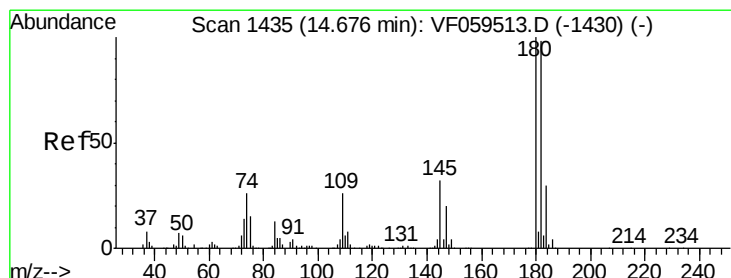
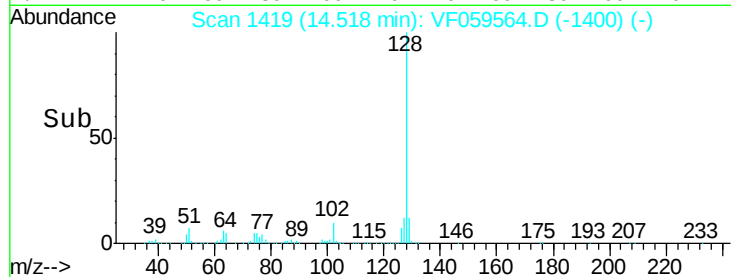
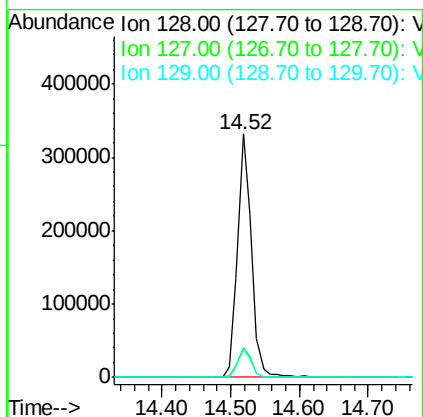
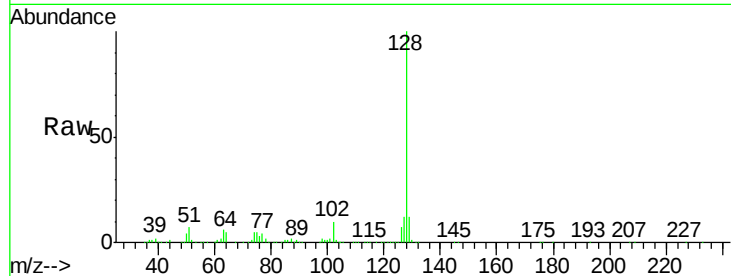
#95
Naphthalene
Concen: 57.08 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	11.6	9.0	13.4

Manual Integrations
APPROVED

apatel
7/20/2018 11:48:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 66.18 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.8	146.4
145	32.0	16.2	48.6

