

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
 Data File : VF059427.D
 Acq On : 5 Jul 2018 11:43
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/6/2018 10:00:26 AM

Quant Time: Jul 06 05:08:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	268763	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.73	114	403347	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.88	117	399632	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	238379	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	172390	49.65	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.30%	
35) Dibromofluoromethane	4.25	113	148222	50.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	7.67	98	351004	48.10	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.49	95	199372	48.44	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	117005	47.650	ug/l	96
3) Chloromethane	1.08	50	71015	43.048	ug/l	99
4) Vinyl Chloride	1.14	62	73001	44.957	ug/l	98
5) Bromomethane	1.32	94	42285	46.275	ug/l	97
6) Chloroethane	1.41	64	34440	42.110	ug/l	94
7) Trichlorofluoromethane	1.50	101	170964	53.243	ug/l	94
8) Diethyl Ether	1.69	74	38813	47.142	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.88	101	83820	44.720	ug/l	94
10) Methyl Iodide	1.94	142	145641	42.611	ug/l	96
11) Tert butyl alcohol	2.66	59	57704	249.618	ug/l	95
12) 1,1-Dichloroethene	1.84	96	82813	52.264	ug/l	98
13) Acrolein	2.07	56	28535	259.619	ug/l	93
14) Allyl chloride	2.16	41	139993	47.066	ug/l	98
15) Acrylonitrile	3.05	53	99155	243.574	ug/l	98
16) Acetone	2.32	43	252406	292.799	ug/l	99
17) Carbon Disulfide	1.86	76	162820	43.684	ug/l	99
18) Methyl Acetate	2.43	43	96685	61.969	ug/l	94
19) Methyl tert-butyl Ether	2.52	73	310292	52.501	ug/l	96
20) Methylene Chloride	2.30	84	86918	43.704	ug/l	95
21) trans-1,2-Dichloroethene	2.39	96	81333	48.118	ug/l	93
22) Diisopropyl ether	2.90	45	344107	52.243	ug/l #	98
23) Vinyl Acetate	3.29	43	1048336	249.916	ug/l	99
24) 1,1-Dichloroethane	2.97	63	201388	49.314	ug/l	98
25) 2-Butanone	4.47	43	292140	278.427	ug/l	99
26) 2,2-Dichloropropane	3.72	77	145634	51.704	ug/l	95
27) cis-1,2-Dichloroethene	3.59	96	123957	48.302	ug/l	93
28) Bromochloromethane	3.85	49	75153	47.728	ug/l	99
29) Tetrahydrofuran	4.21	42	115990	260.064	ug/l	98
30) Chloroform	3.99	83	302706	51.202	ug/l	99
31) Cyclohexane	3.82	56	115853	43.305	ug/l	96
32) 1,1,1-Trichloroethane	4.23	97	204062	47.168	ug/l	98
36) 1,1-Dichloropropene	4.41	75	179726	51.007	ug/l	97
37) Ethyl Acetate	4.25	43	123341	54.865	ug/l #	97
38) Carbon Tetrachloride	4.12	117	233752m	52.568	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.58	83	144325	46.222	ug/l	95
40) Benzene	4.76	78	367161	46.997	ug/l	99
41) Methacrylonitrile	4.87	41	59883	49.822	ug/l #	88
42) 1,2-Dichloroethane	5.08	62	240270	52.632	ug/l	96
43) Isopropyl Acetate	7.07	43	154657	52.695	ug/l #	95
44) Trichloroethene	5.63	130	132682	49.508	ug/l	95
45) 1,2-Dichloropropane	6.36	63	112878	50.570	ug/l	98
46) Dibromomethane	6.21	93	103274	53.307	ug/l	97
47) Bromodichloromethane	6.51	83	254691	54.309	ug/l	98
48) Methyl methacrylate	6.83	41	109500	55.667	ug/l	93
49) 1,4-Dioxane	6.82	88	11623	1112.206	ug/l	89
51) 4-Methyl-2-Pentanone	8.37	43	562611	258.747	ug/l	99
52) Toluene	7.74	92	279346	47.785	ug/l	96
53) t-1,3-Dichloropropene	8.39	75	222397	52.026	ug/l	100
54) cis-1,3-Dichloropropene	7.42	75	242414	52.208	ug/l	94
55) 1,1,2-Trichloroethane	8.60	97	118924	52.395	ug/l	99
56) Ethyl methacrylate	8.73	69	143524	51.045	ug/l	96
57) 1,3-Dichloropropane	8.96	76	200201	51.429	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.74	63	52690	249.862	ug/l	100
59) 2-Hexanone	9.59	43	481967	298.315	ug/l	96
60) Dibromochloromethane	8.82	129	196035	55.944	ug/l	95
61) 1,2-Dibromoethane	9.10	107	134638	48.911	ug/l	98
64) Tetrachloroethene	8.26	164	138740	53.528	ug/l	99
65) Chlorobenzene	9.90	112	369912	49.953	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.03	131	171756	53.627	ug/l	96
67) Ethyl Benzene	10.00	91	652432	51.935	ug/l	97
68) m/p-Xylenes	10.23	106	465155	104.030	ug/l	97
69) o-Xylene	10.80	106	248490	49.686	ug/l	99
70) Styrene	10.88	104	384402	50.457	ug/l	99
71) Bromoform	10.86	173	123790	56.390	ug/l	97
73) Isopropylbenzene	11.20	105	788423	56.773	ug/l	99
74) N-amyl acetate	11.44	43	280241	55.608	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	180268	51.398	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	144895	54.767	ug/l	96
77) Bromobenzene	11.57	156	203950	52.934	ug/l	93
78) n-propylbenzene	11.66	91	866960	51.982	ug/l	100
79) 2-Chlorotoluene	11.78	91	528881	51.904	ug/l	95
80) 1,3,5-Trimethylbenzene	11.89	105	658128	54.101	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.93	75	86518	54.944	ug/l	97
82) 4-Chlorotoluene	11.96	91	576304	52.803	ug/l	93
83) tert-Butylbenzene	12.19	119	674276	55.419	ug/l	92
84) 1,2,4-Trimethylbenzene	12.26	105	683442	53.345	ug/l	100
85) sec-Butylbenzene	12.36	105	874867	54.247	ug/l	100
86) p-Isopropyltoluene	12.51	119	761448	56.260	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	367740	58.600	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	365744	53.154	ug/l	99
89) n-Butylbenzene	12.90	91	762168	55.472	ug/l	98
90) Hexachloroethane	12.97	117	182070	53.975	ug/l	98
91) 1,2-Dichlorobenzene	12.99	146	371570	53.122	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	44864	57.704	ug/l	88

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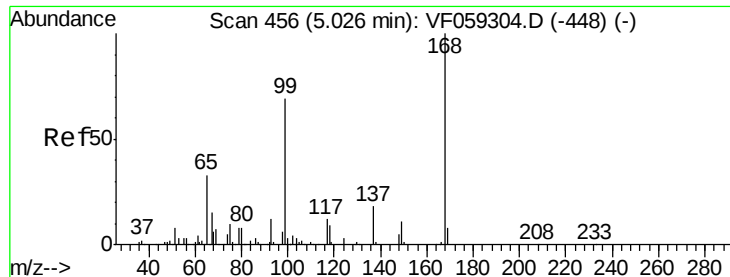
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	295795	57.192	ug/l	97
94) Hexachlorobutadiene	14.24	225	176355	61.046	ug/l	96
95) Naphthalene	14.50	128	635462	58.724	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	288938	58.973	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 268763

Ion Ratio Lower Upper

168 100

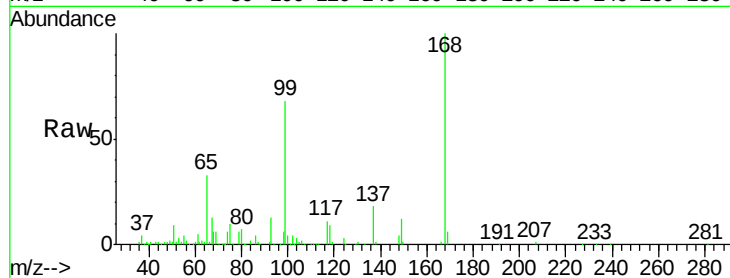
99 68.4 54.9 82.3

Manual Integrations

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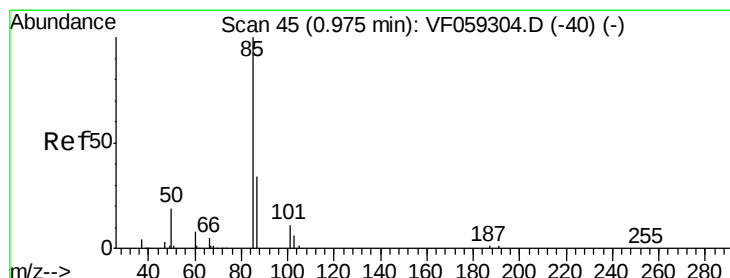
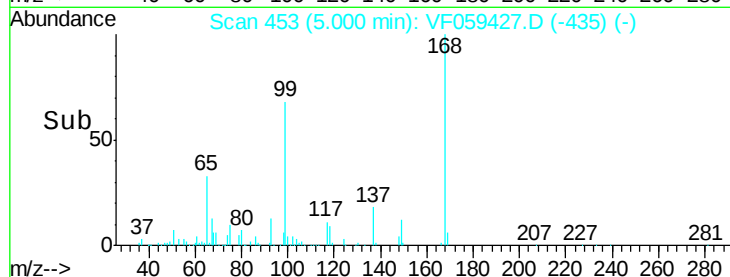
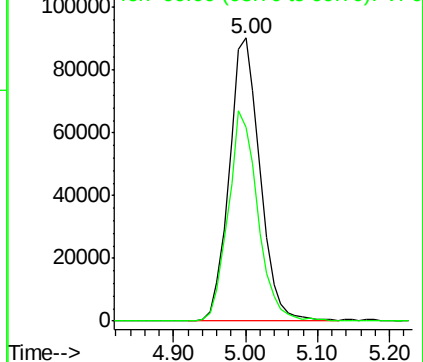
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 47.650 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059427.D

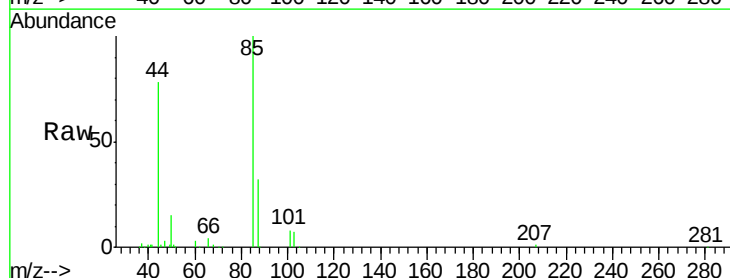
Acq: 5 Jul 2018 11:43

Tgt Ion: 85 Resp: 117005

Ion Ratio Lower Upper

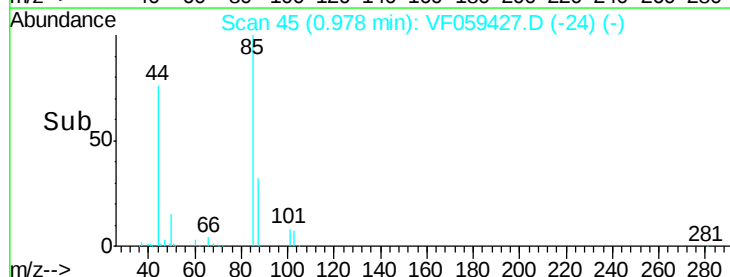
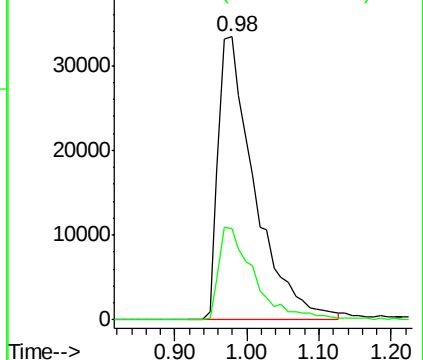
85 100

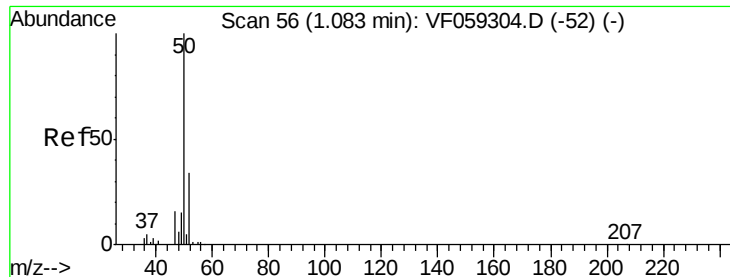
87 32.1 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 43.048 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 71015

Ion Ratio Lower Upper

50 100

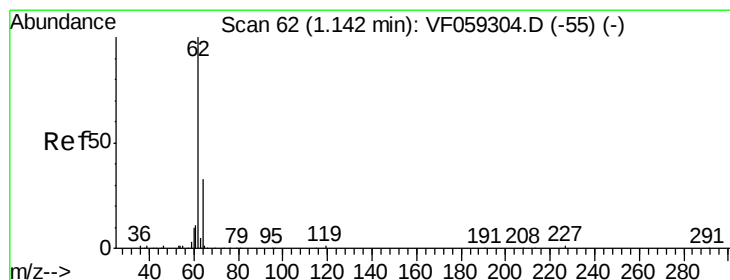
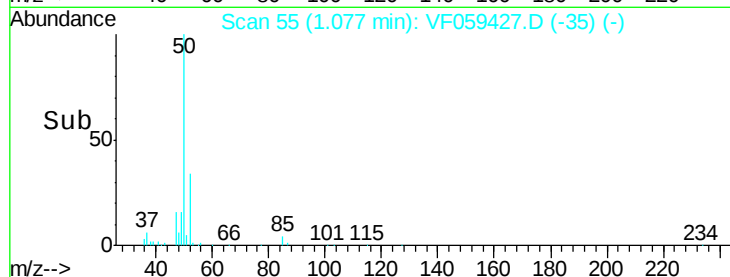
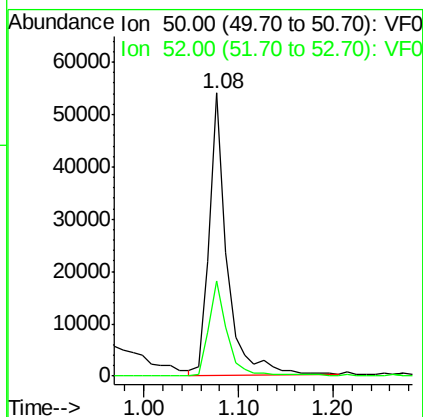
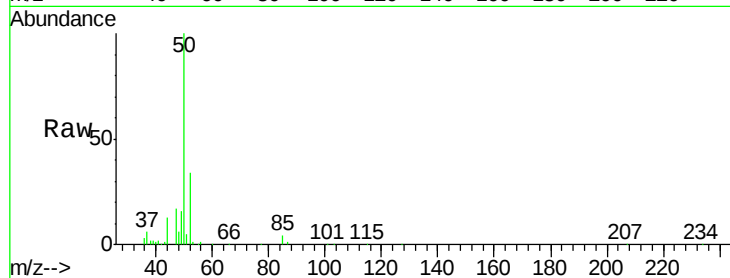
52 33.8 26.7 40.1

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#4

Vinyl Chloride

Concen: 44.957 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059427.D

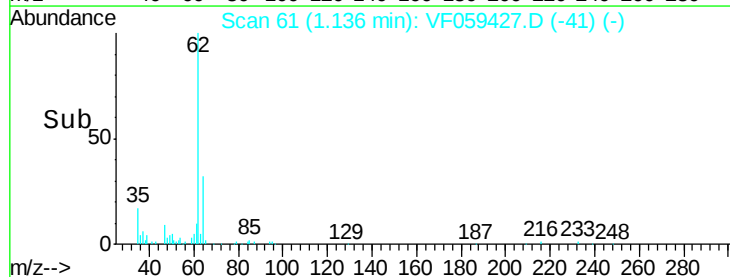
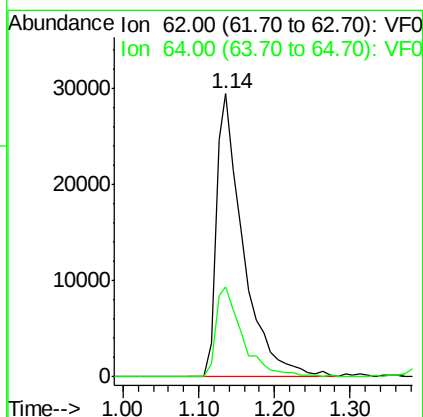
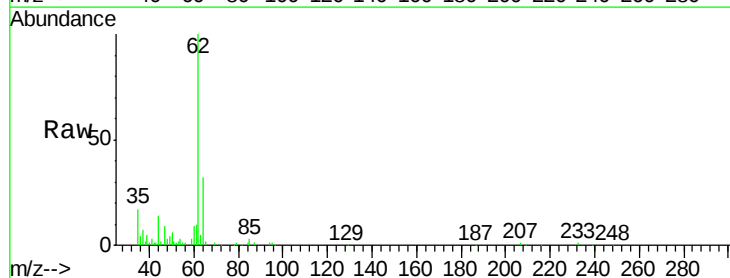
Acq: 5 Jul 2018 11:43

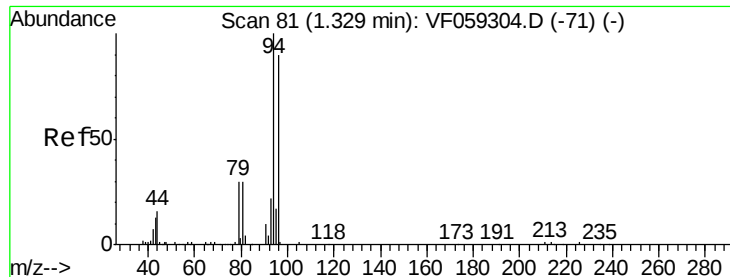
Tgt Ion: 62 Resp: 73001

Ion Ratio Lower Upper

62 100

64 31.9 26.3 39.5





#5

Bromomethane

Concen: 46.275 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 42285

Ion Ratio Lower Upper

94 100

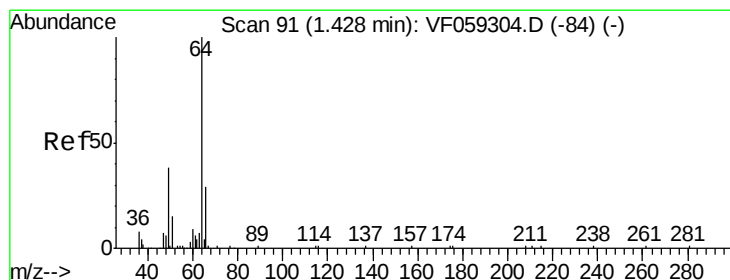
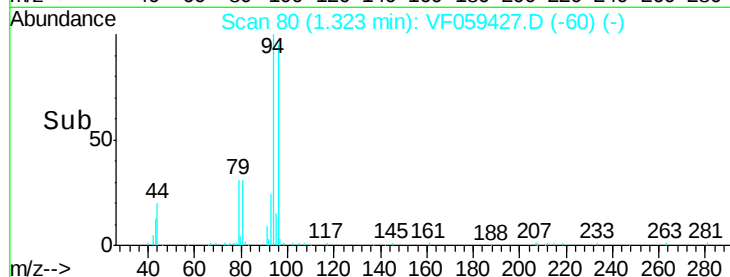
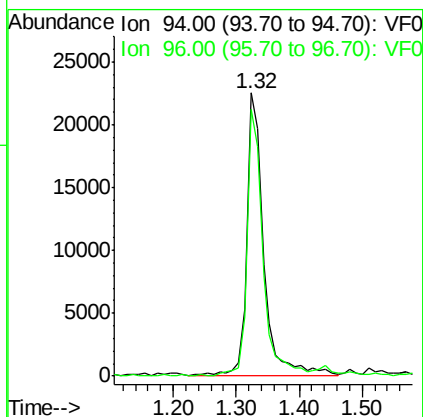
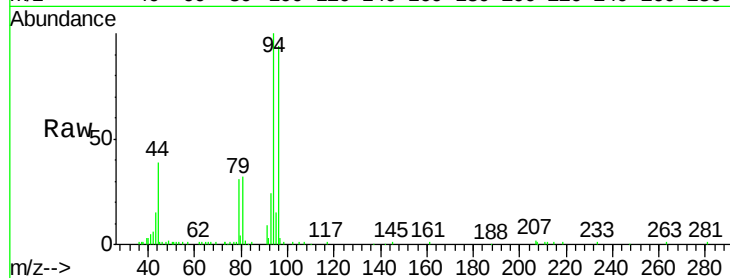
96 94.3 73.4 110.0

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#6

Chloroethane

Concen: 42.110 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.02 min

Lab File: VF059427.D

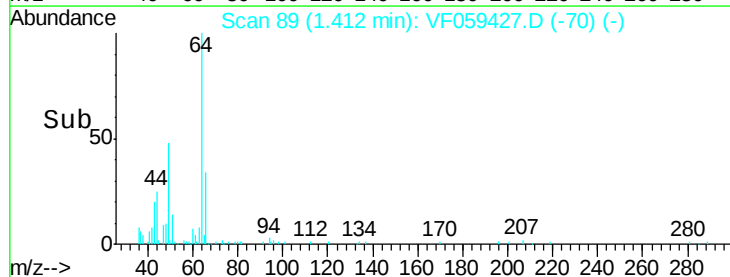
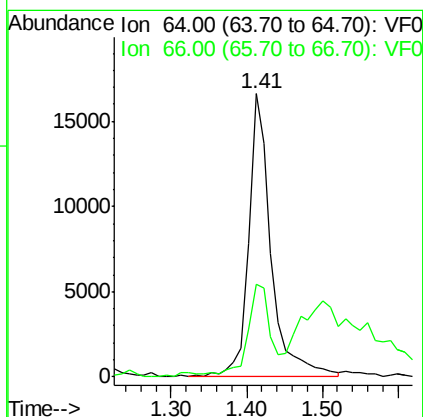
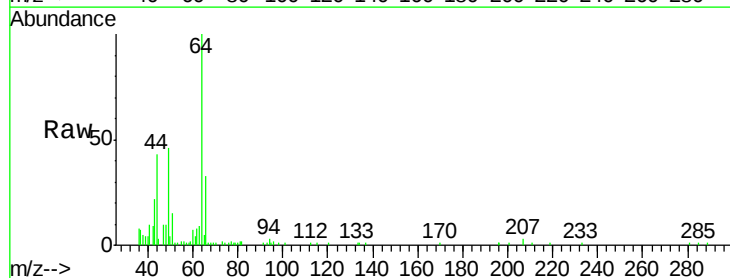
Acq: 5 Jul 2018 11:43

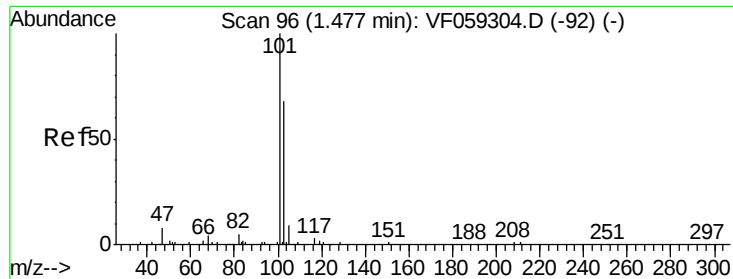
Tgt Ion: 64 Resp: 34440

Ion Ratio Lower Upper

64 100

66 32.9 23.9 35.9





#7

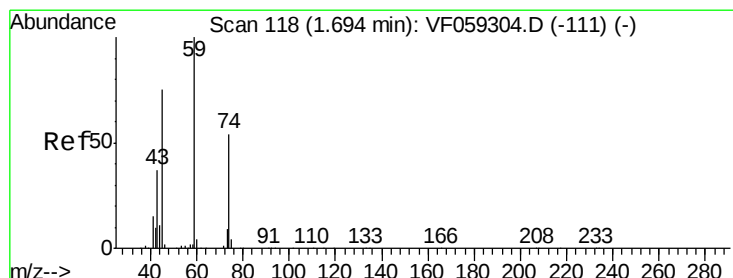
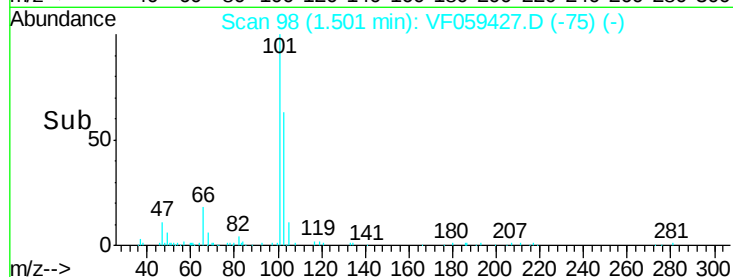
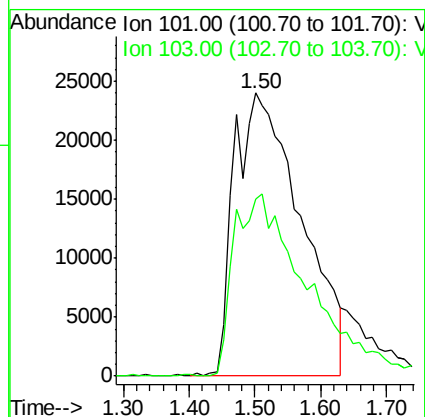
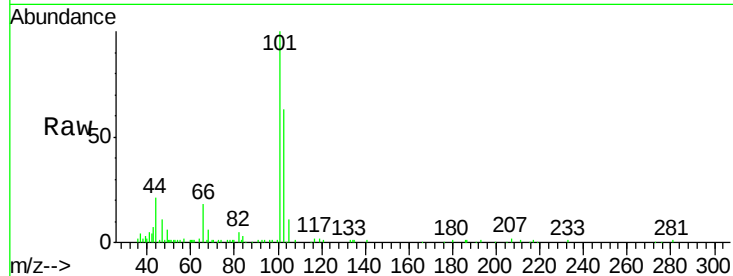
Trichlorofluoromethane
 Concen: 53.243 ug/l
 RT: 1.50 min Scan# 98
 Delta R.T. 0.02 min
 Lab File: VF059427.D
 Acq: 5 Jul 2018 11:43

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 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		170964		
103	62.7	54.2	81.2		

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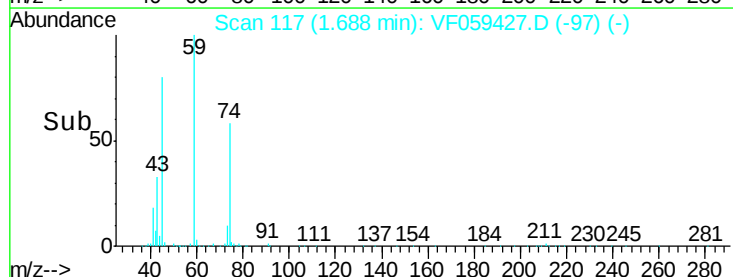
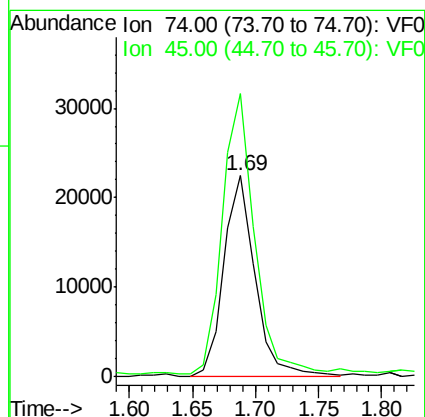
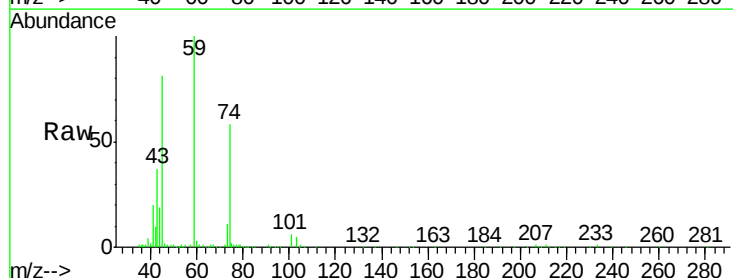
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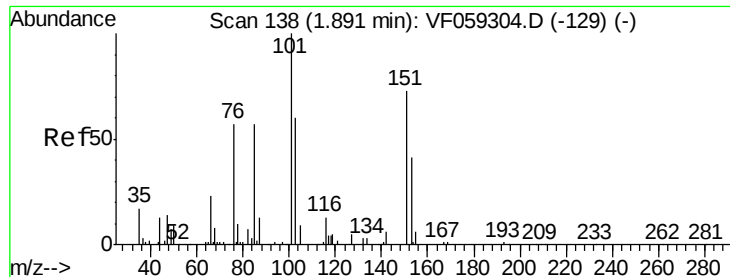


#8

Diethyl Ether
 Concen: 47.142 ug/l
 RT: 1.69 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF059427.D
 Acq: 5 Jul 2018 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		38813		
45	140.6	70.0	210.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.720 ug/l

RT: 1.88 min Scan# 136

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

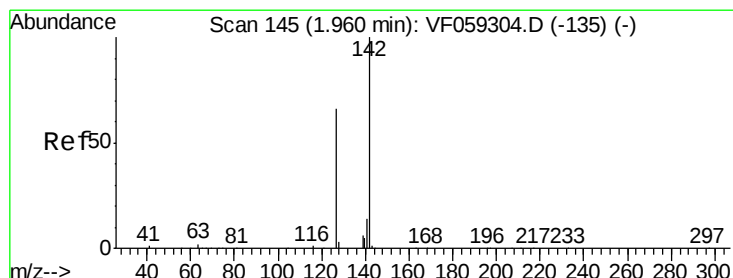
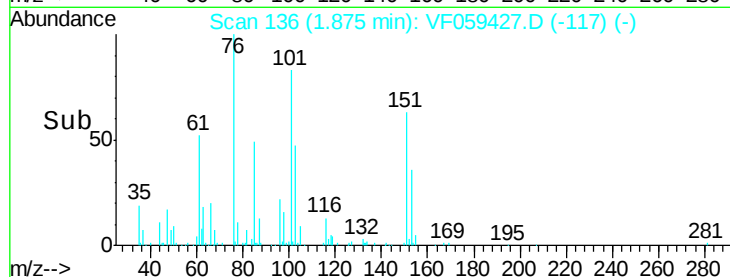
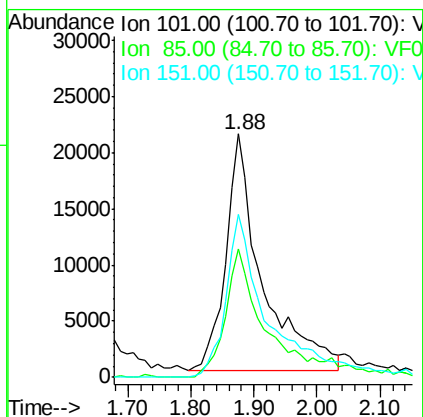
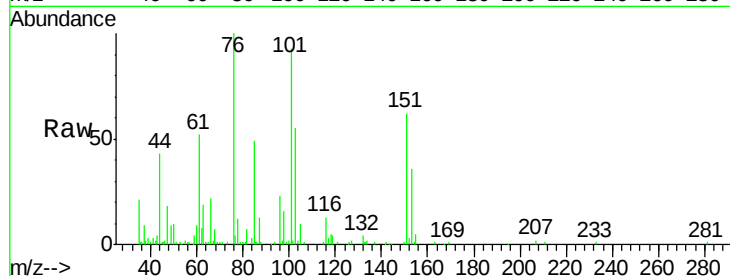
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	83820
Ion Ratio	Lower	Upper	
101	100		
85	52.4	44.5	66.7
151	65.6	56.8	85.2

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#10

Methyl Iodide

Concen: 42.611 ug/l

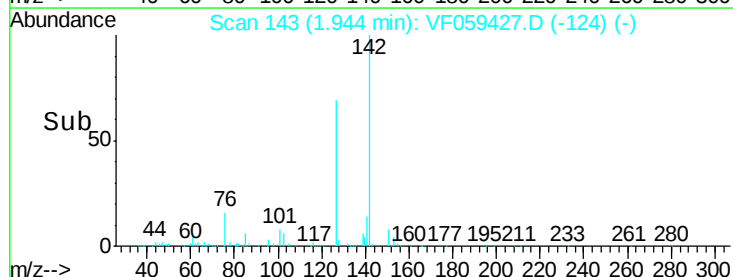
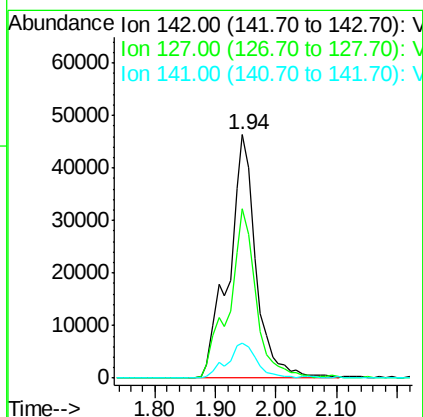
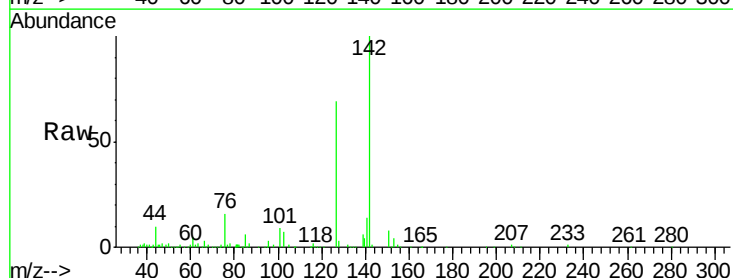
RT: 1.94 min Scan# 143

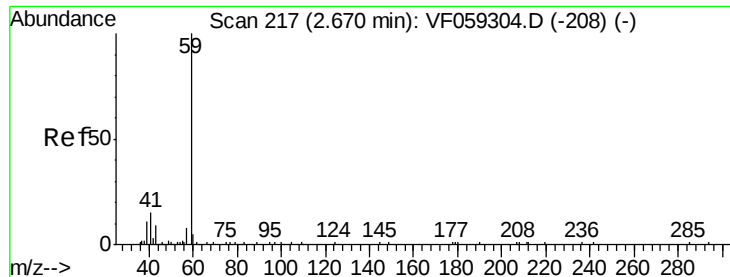
Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	142	Resp:	145641
Ion Ratio	Lower	Upper	
142	100		
127	69.4	52.5	78.7
141	14.5	11.5	17.3





#11

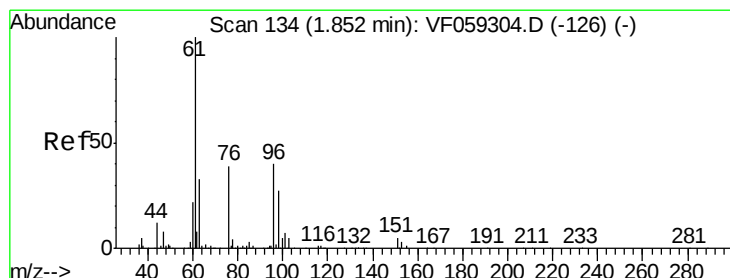
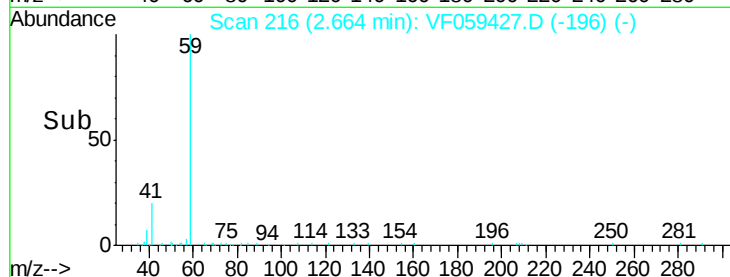
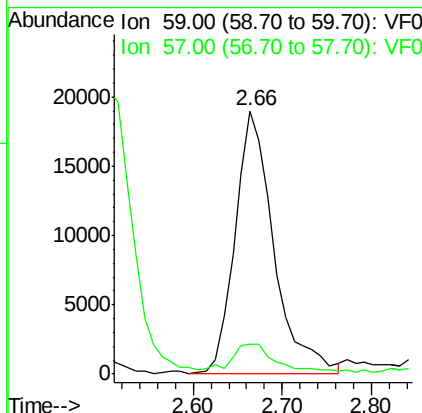
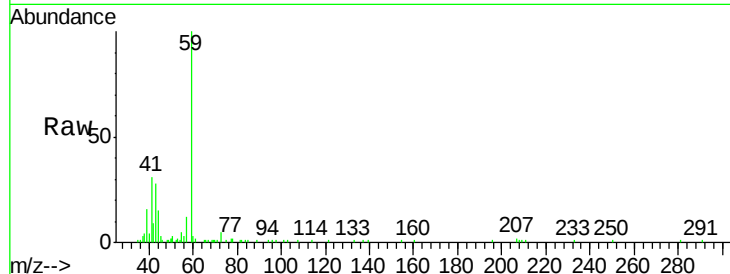
Tert butyl alcohol
 Concen: 249.618 ug/l
 RT: 2.66 min Scan# 216
 Delta R.T. -0.01 min
 Lab File: VF059427.D
 Acq: 5 Jul 2018 11:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	11.0	16.4

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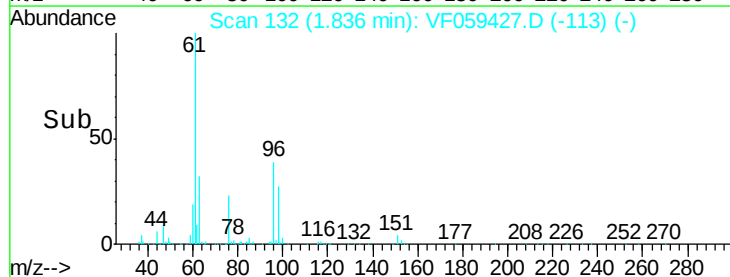
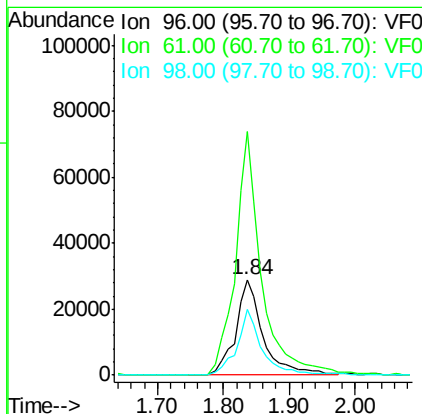
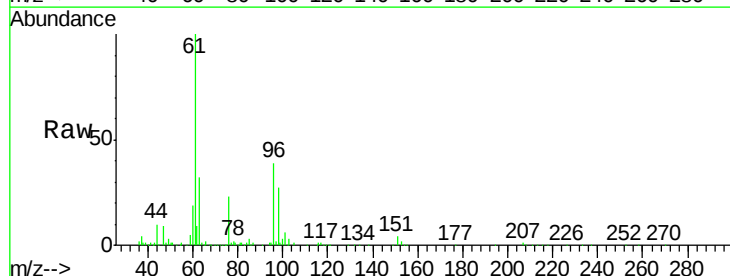
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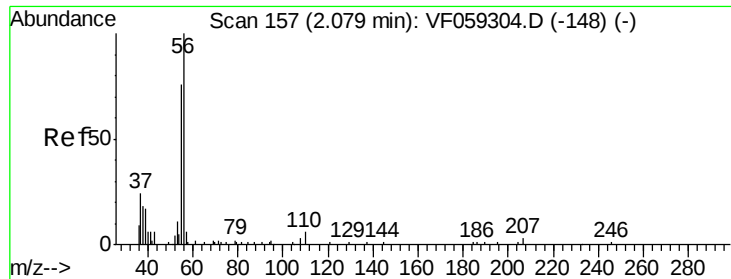


#12

1,1-Dichloroethene
 Concen: 52.264 ug/l
 RT: 1.84 min Scan# 132
 Delta R.T. -0.02 min
 Lab File: VF059427.D
 Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	255.2	201.1	301.7
98	68.7	53.9	80.9





#13

Acrolein

Concen: 259.619 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF059427.D

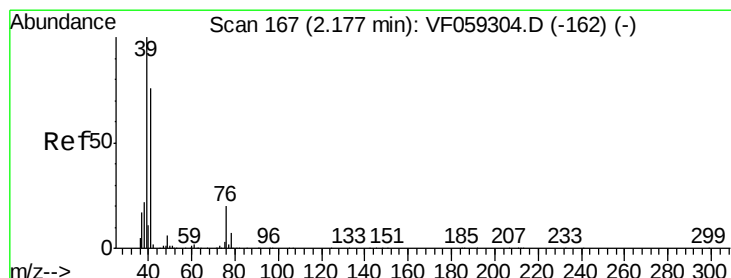
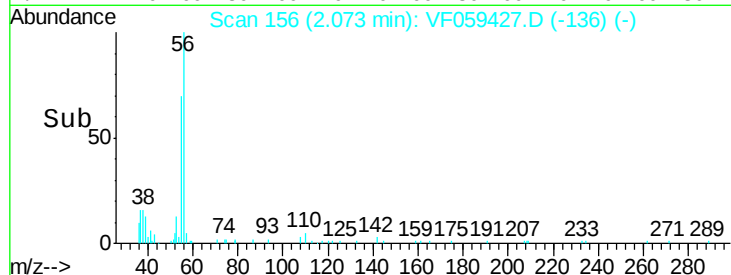
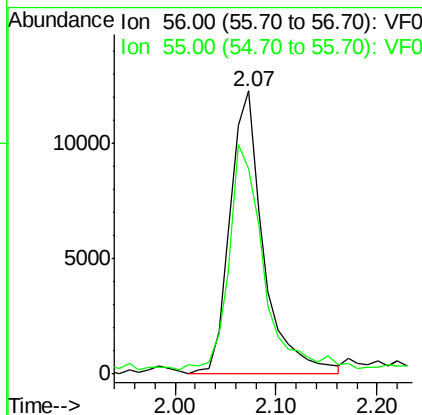
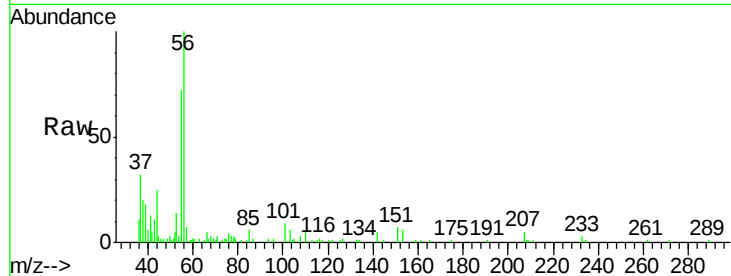
Acq: 5 Jul 2018 11:43

Tot Ion:	56	Resp:	28535
Ion Ratio	Lower	Upper	
56	100		
55	72.3	62.4	93.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#14

Allyl chloride

Concen: 47.066 ug/l

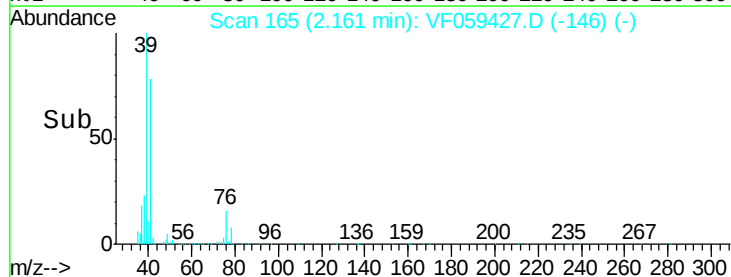
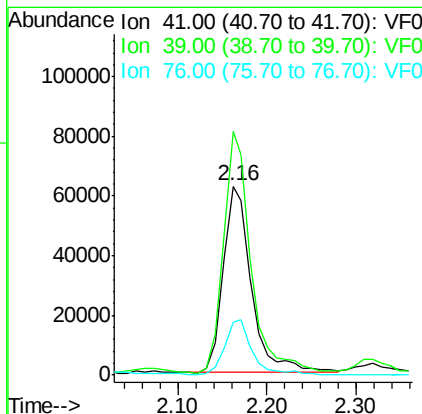
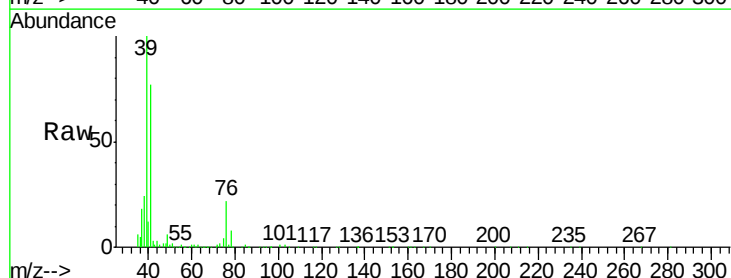
RT: 2.16 min Scan# 165

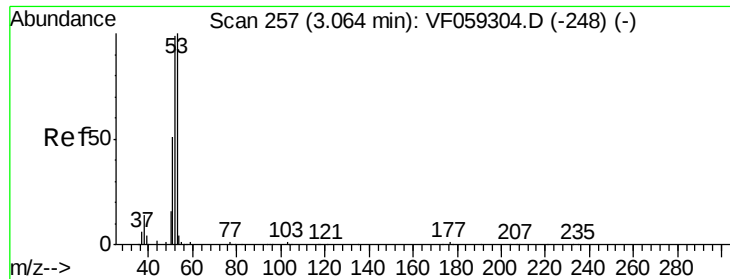
Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	41	Resp:	139993
Ion Ratio	Lower	Upper	
41	100		
39	129.1	105.6	158.4
76	27.9	21.6	32.4





#15

Acrylonitrile

Concen: 243.574 ug/l

RT: 3.05 min Scan# 255

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

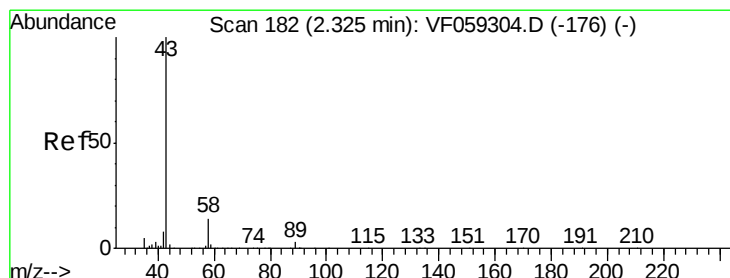
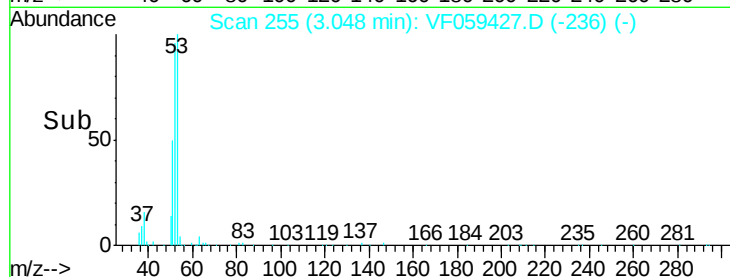
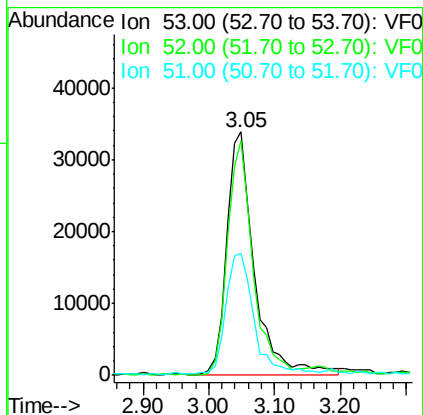
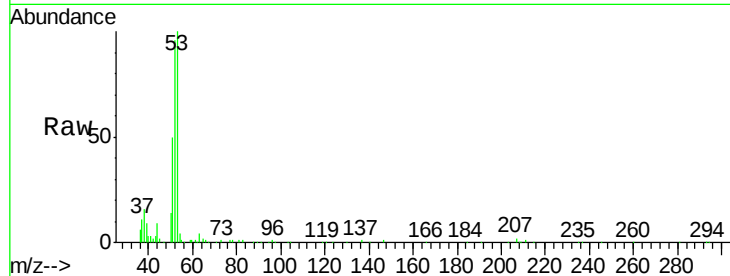
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	99155
Ion	Ratio	Lower	Upper
53	100		
52	96.5	79.2	118.8
51	50.3	40.9	61.3

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#16

Acetone

Concen: 292.799 ug/l

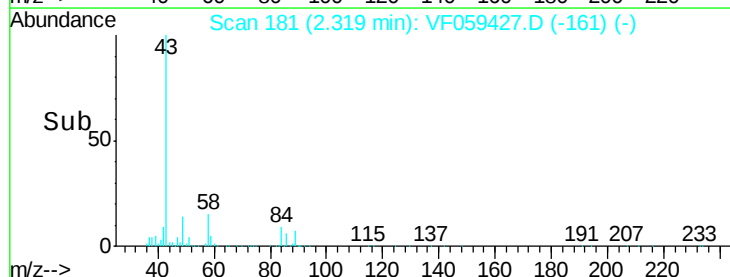
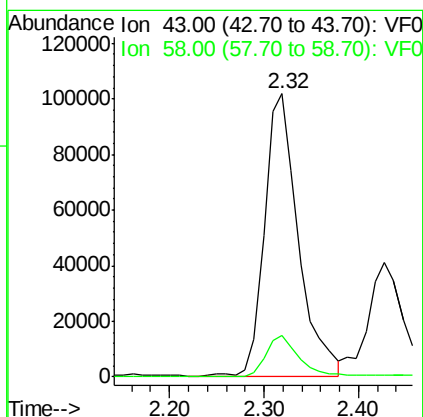
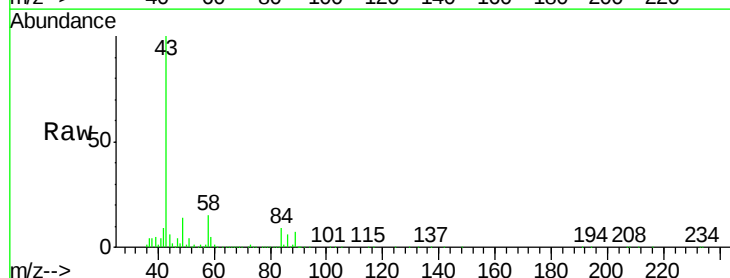
RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	43	Resp:	252406
Ion	Ratio	Lower	Upper
43	100		
58	14.7	11.4	17.0





#17

Carbon Disulfide

Concen: 43.684 ug/l

RT: 1.86 min Scan# 134

Delta R.T. 0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tot Ion: 76 Resp: 162820

Ion Ratio Lower Upper

76 100

78 11.6 8.9 13.3

Instrument :

MSVOA_F

ClientSampleId :

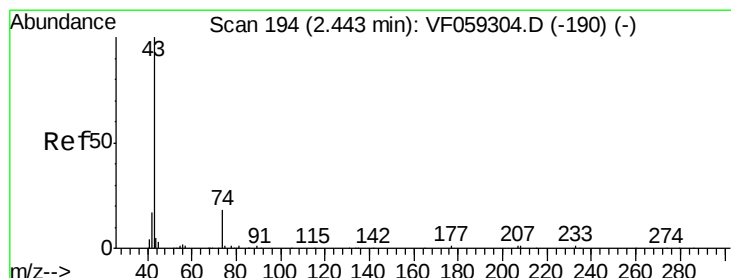
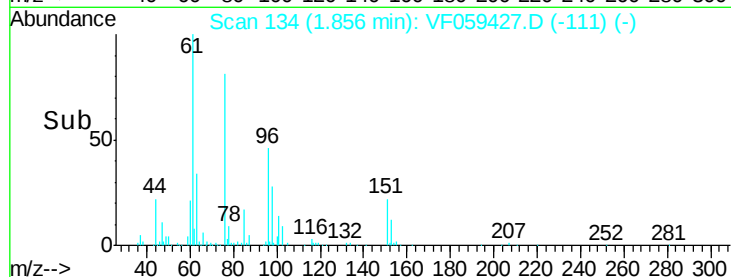
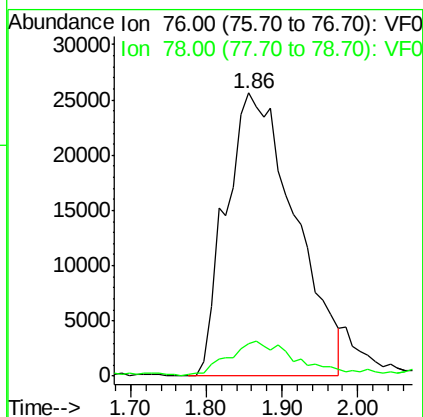
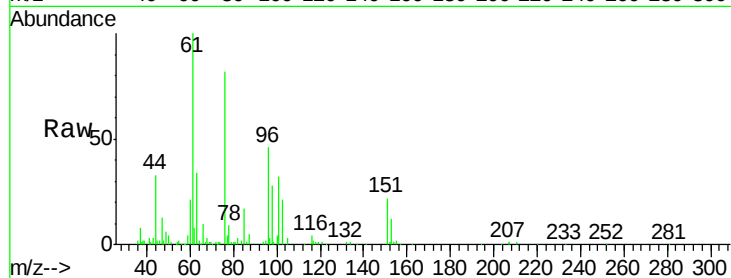
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#18

Methyl Acetate

Concen: 61.969 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF059427.D

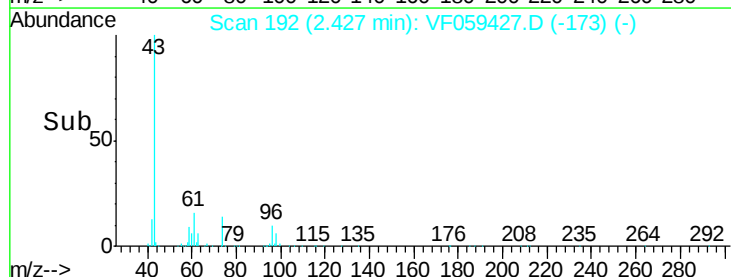
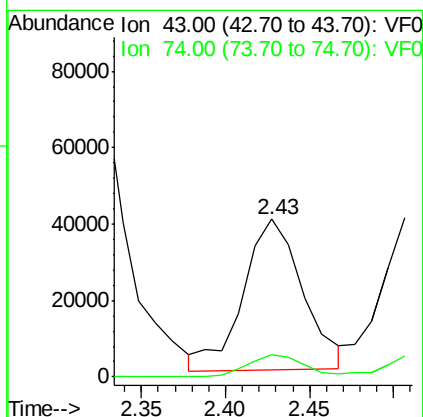
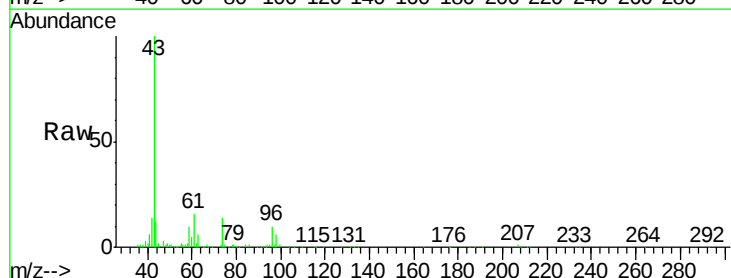
Acq: 5 Jul 2018 11:43

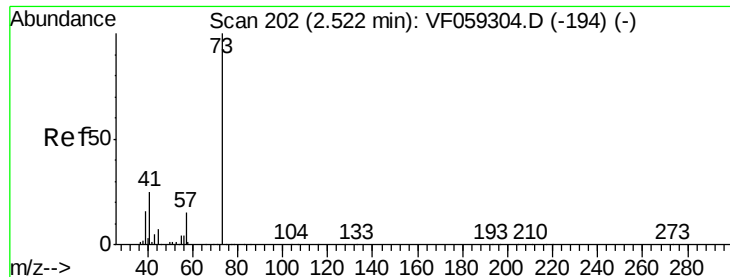
Tgt Ion: 43 Resp: 96685

Ion Ratio Lower Upper

43 100

74 14.2 13.3 19.9





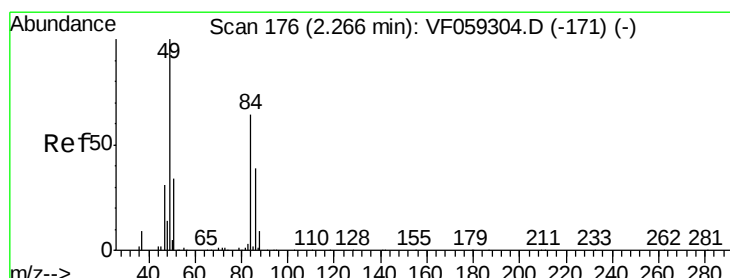
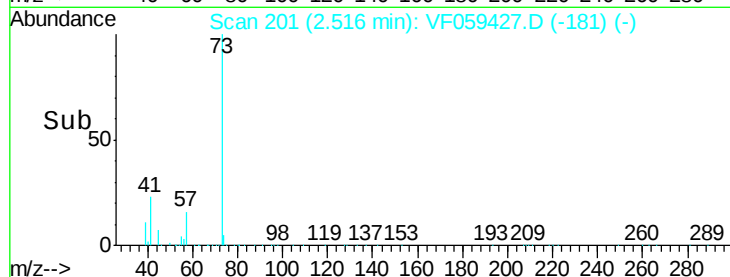
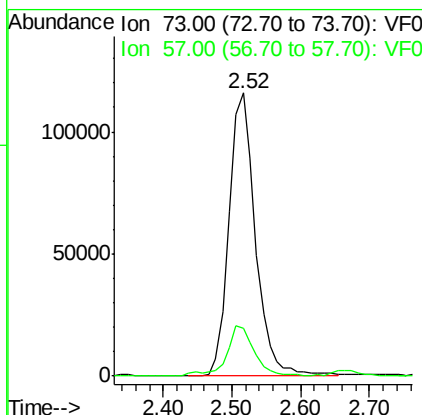
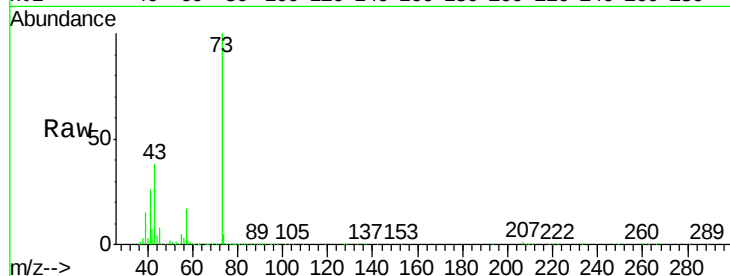
#19
Methvl tert-butvl Ether
Concen: 52.501 ug/l
RT: 2.52 min Scan# 201
Delta R.T. -0.01 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.9	12.3	18.5

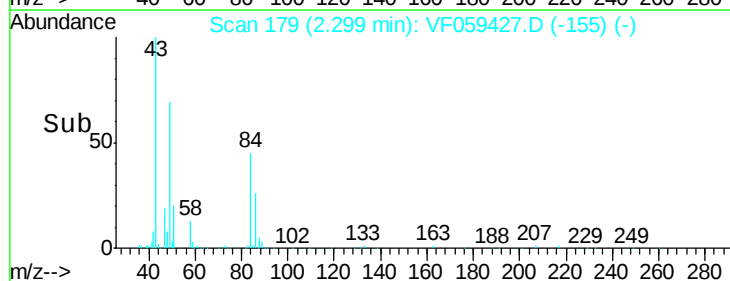
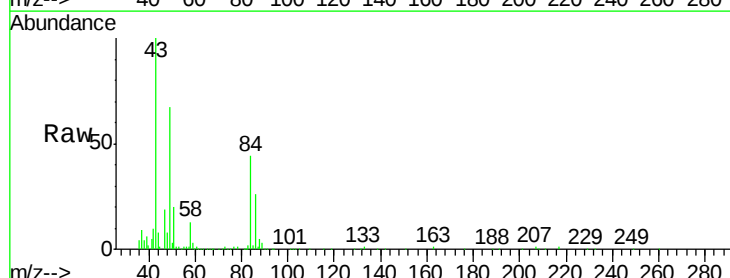
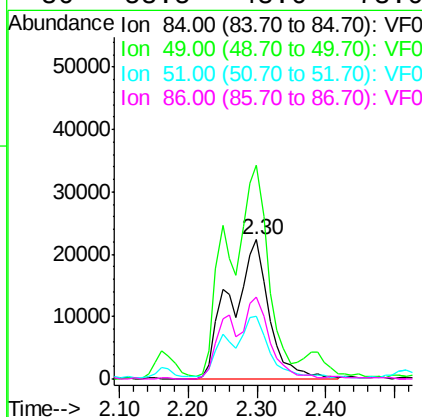
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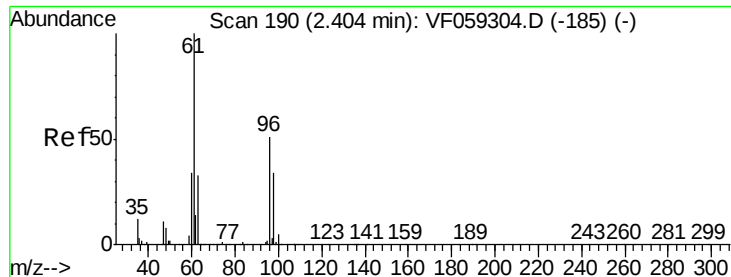
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#20
Methylene Chloride
Concen: 43.704 ug/l
RT: 2.30 min Scan# 179
Delta R.T. 0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.4	126.5	189.7
51	45.1	42.9	64.3
86	58.5	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 48.118 ug/l

RT: 2.39 min Scan# 188

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

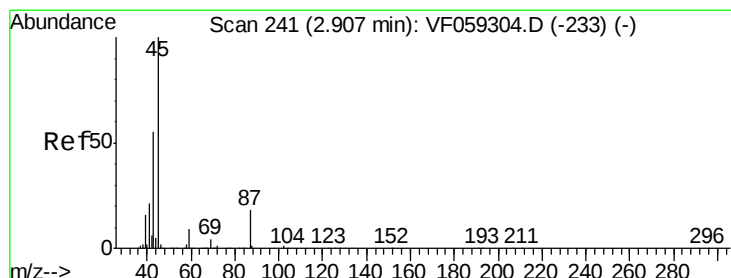
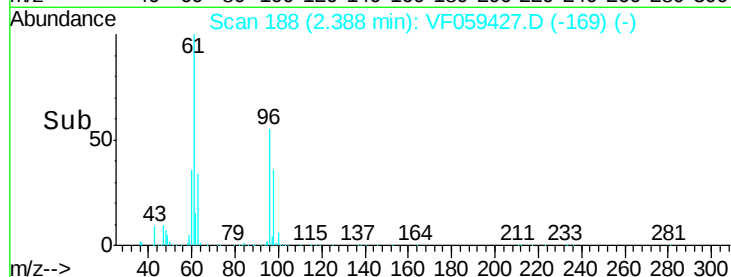
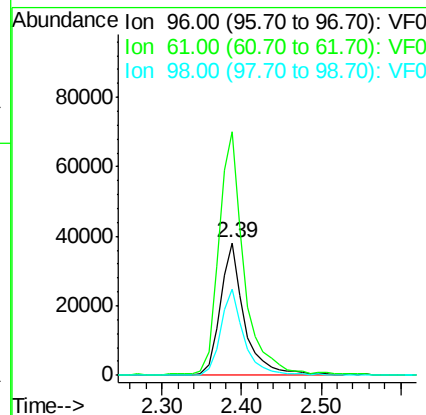
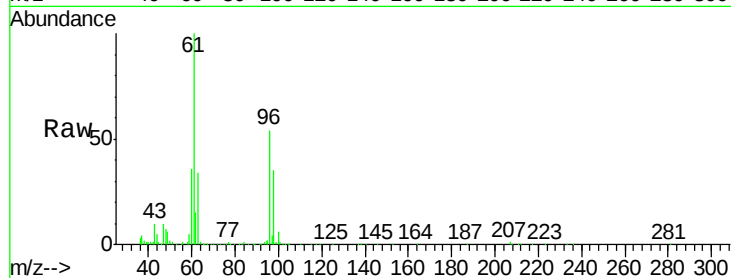
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	81333
Ion	Ratio	Lower	Upper
96	100		
61	183.7	157.4	236.2
98	64.9	53.7	80.5

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#22

Diisopropyl ether

Concen: 52.243 ug/l

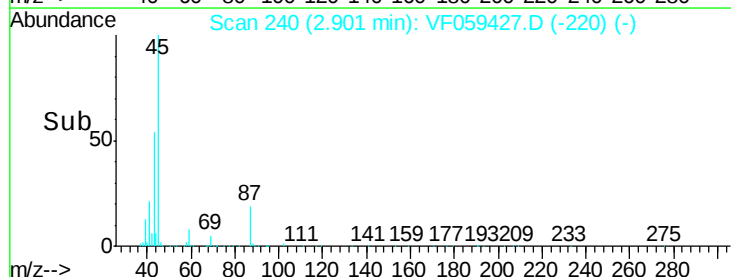
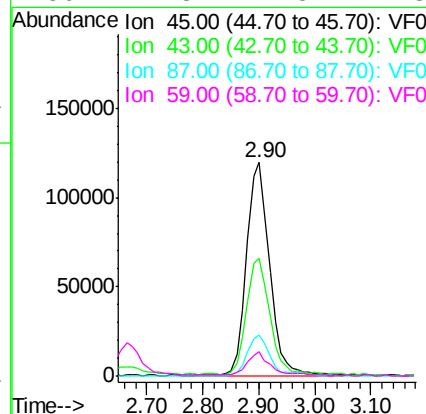
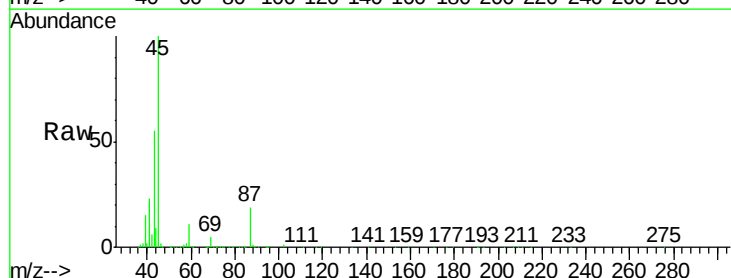
RT: 2.90 min Scan# 240

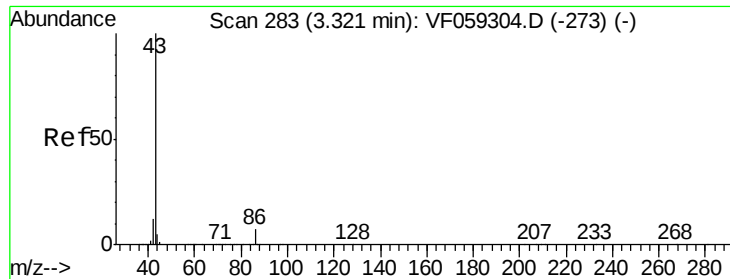
Delta R.T. -0.01 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	45	Resp:	344107
Ion	Ratio	Lower	Upper
45	100		
43	55.2	44.6	66.8
87	19.1	14.3	21.5
59	11.3	7.5	11.3#





#23

Vinyl Acetate

Concen: 249.916 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1048336

Ion Ratio Lower Upper

43 100

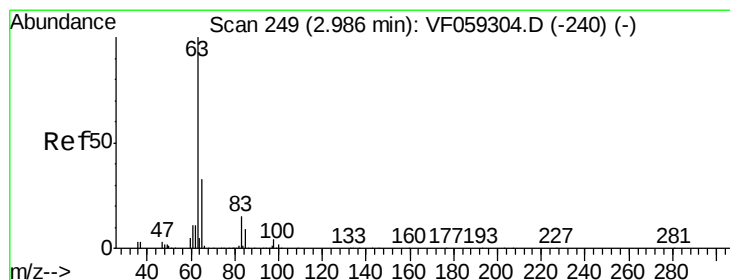
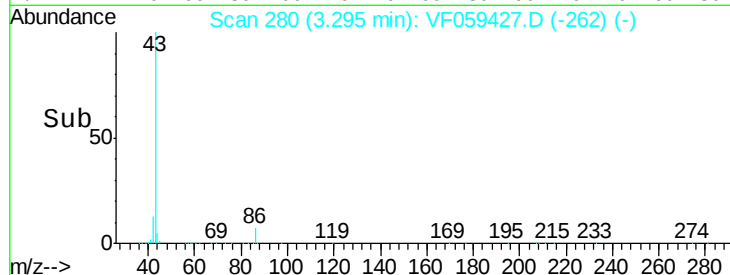
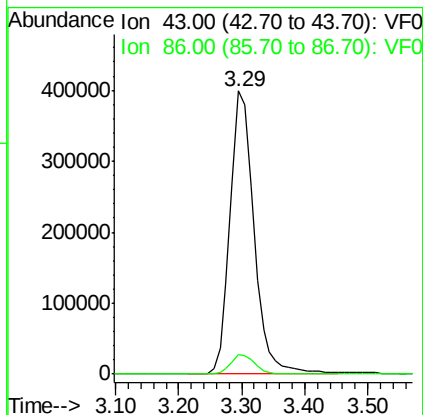
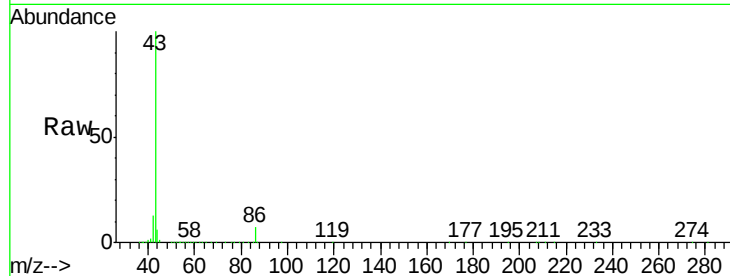
86 6.7 5.8 8.6

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#24

1,1-Dichloroethane

Concen: 49.314 ug/l

RT: 2.97 min Scan# 247

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

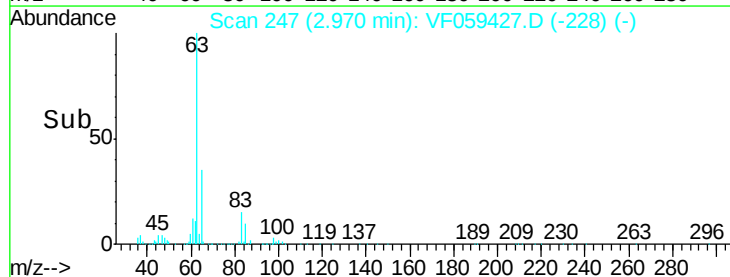
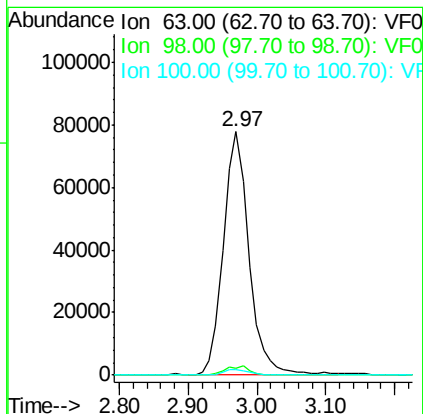
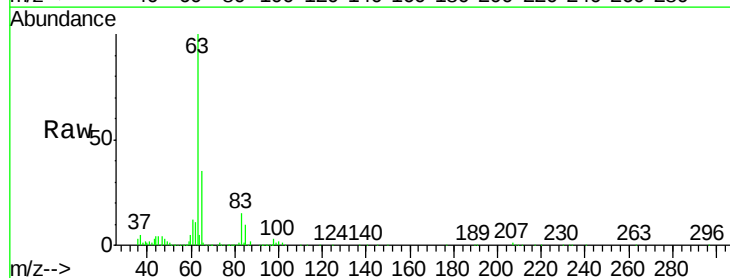
Tgt Ion: 63 Resp: 201388

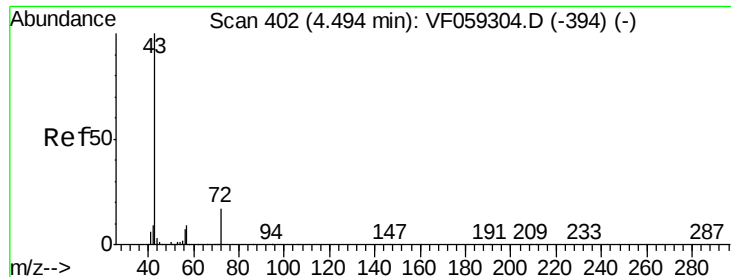
Ion Ratio Lower Upper

63 100

98 2.9 2.0 6.0

100 2.4 1.3 3.9





#25

2-Butanone

Concen: 278.427 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.03 min

Lab File: VF059427.D

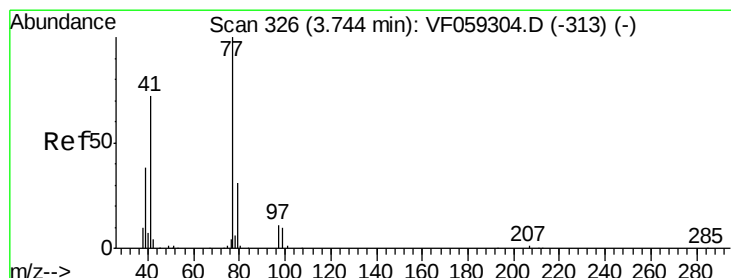
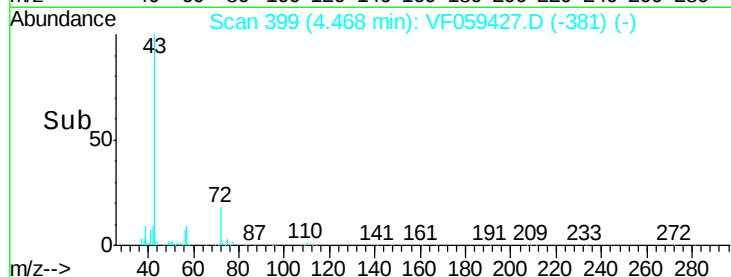
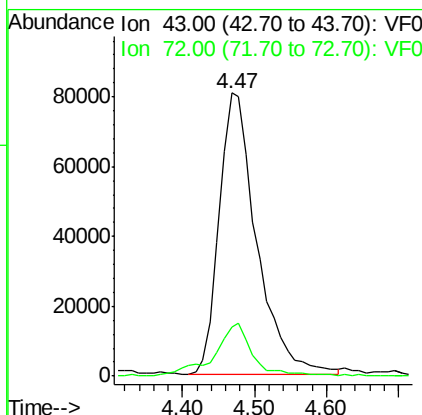
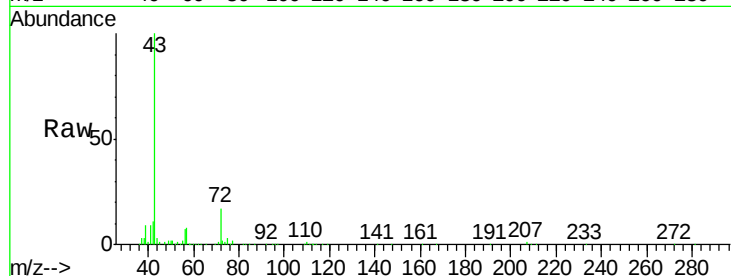
Acq: 5 Jul 2018 11:43

Tot Ion:	43	Resp:	292140
Ion Ratio	Lower	Upper	
43	100		
72	17.5	14.4	21.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 51.704 ug/l

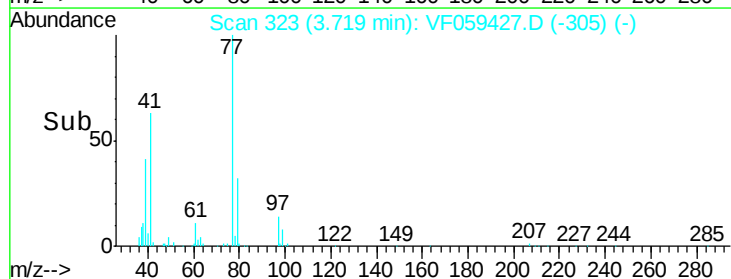
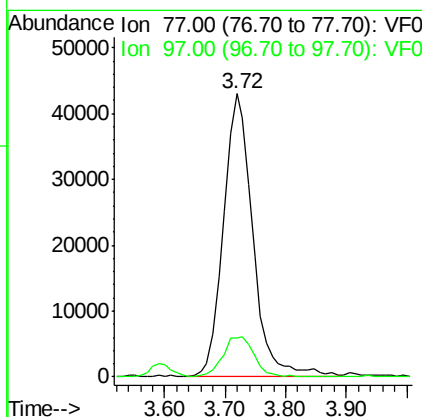
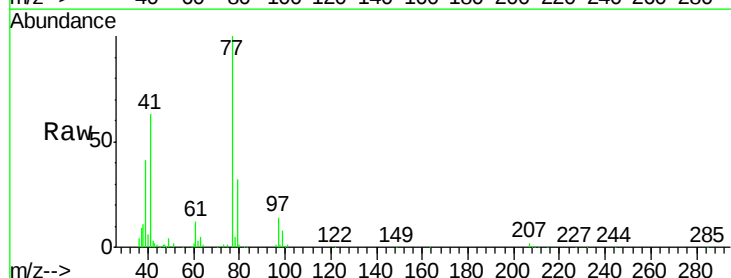
RT: 3.72 min Scan# 323

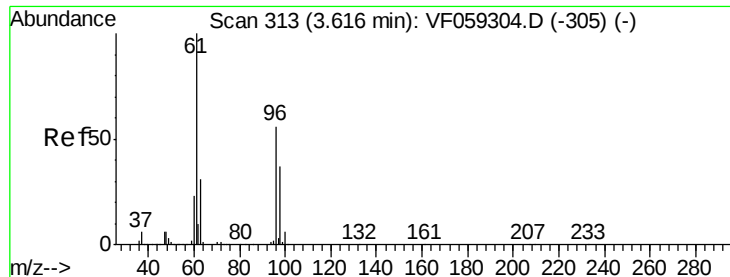
Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	77	Resp:	145634
Ion Ratio	Lower	Upper	
77	100		
97	13.9	8.0	23.8





#27

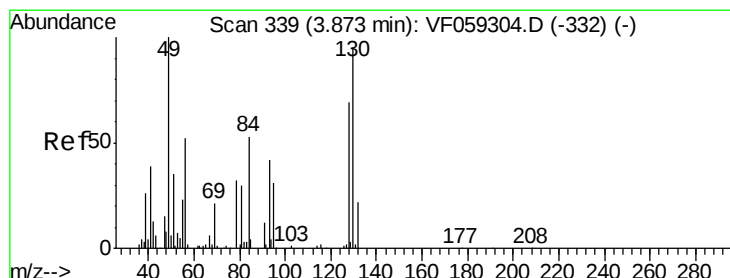
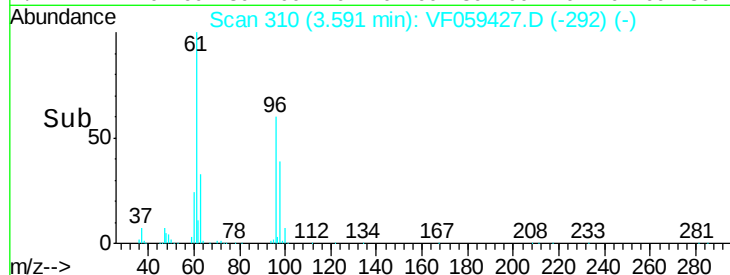
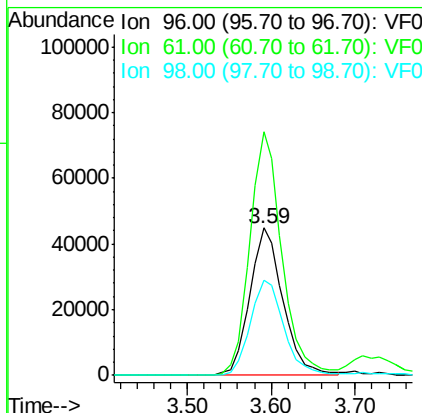
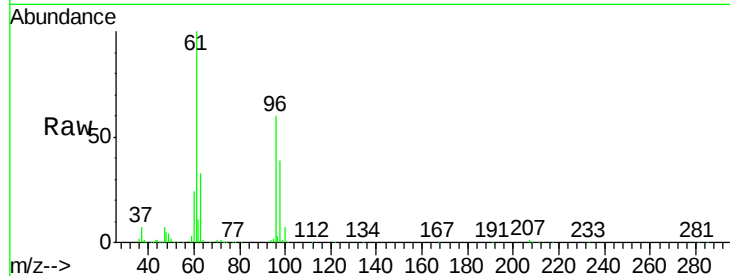
cis-1,2-Dichloroethene
Concen: 48.302 ug/l
RT: 3.59 min Scan# 310
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	123957		
61	165.3	0.0	355.4	
98	64.7	0.0	131.0	

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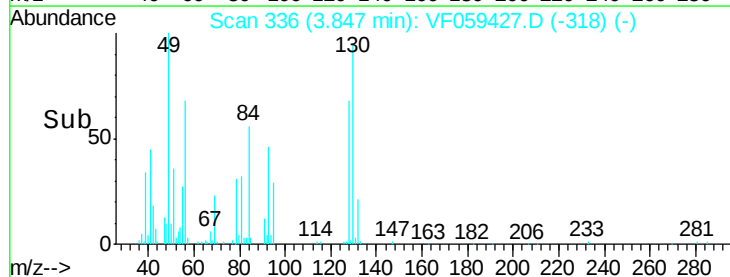
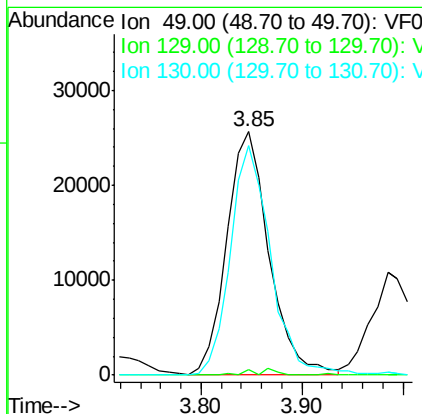
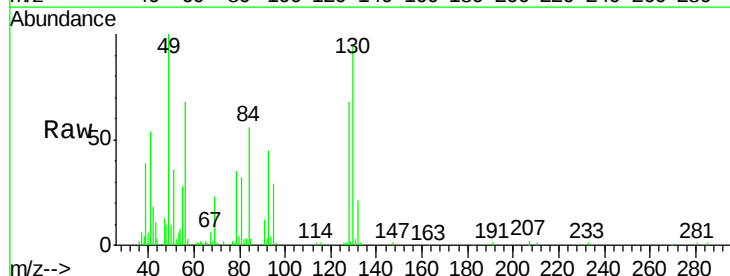
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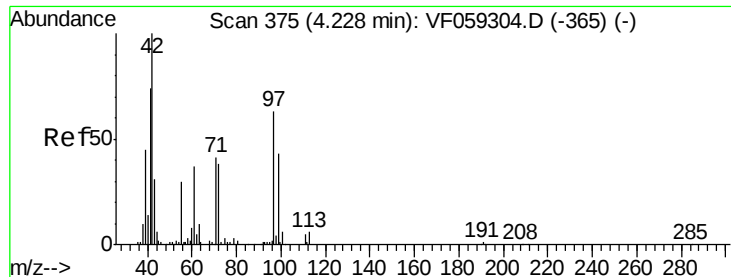


#28

Bromochloromethane
Concen: 47.728 ug/l
RT: 3.85 min Scan# 336
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	75153		
129	2.2	0.0	6.4	
130	94.5	75.1	112.7	





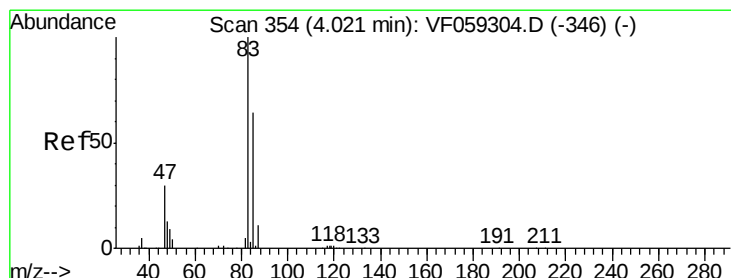
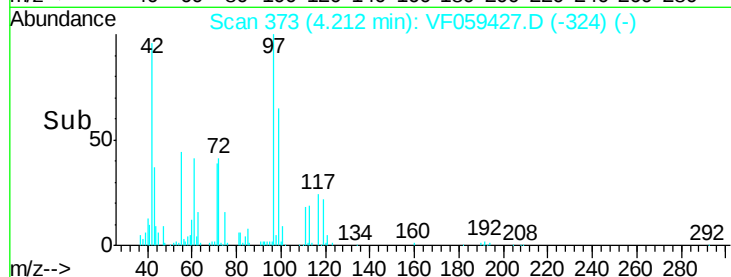
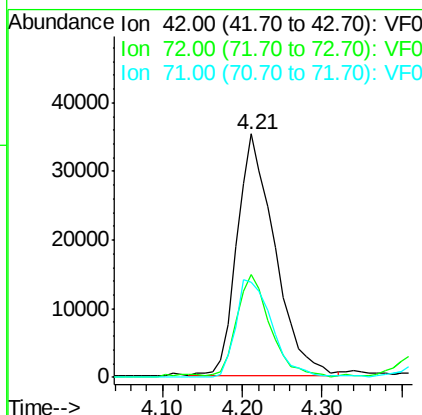
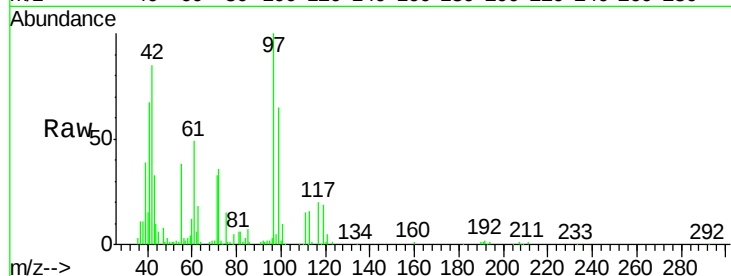
#29
Tetrahydrofuran
Concen: 260.064 ug/l
RT: 4.21 min Scan# 373
Delta R.T. -0.02 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.5	45.7
71	38.8	32.5	48.7

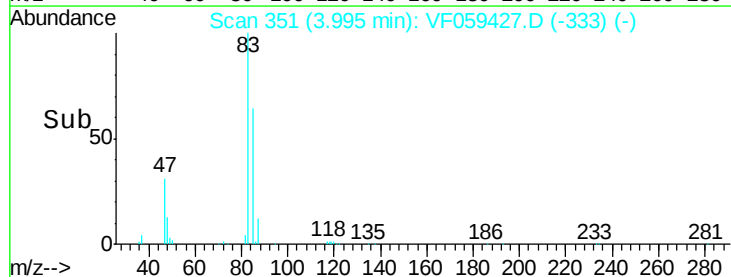
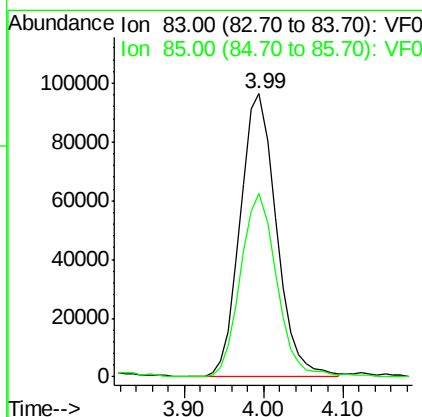
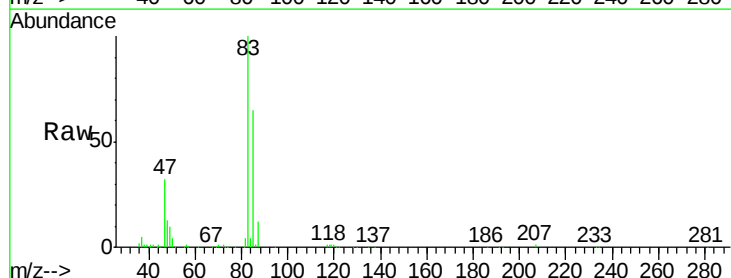
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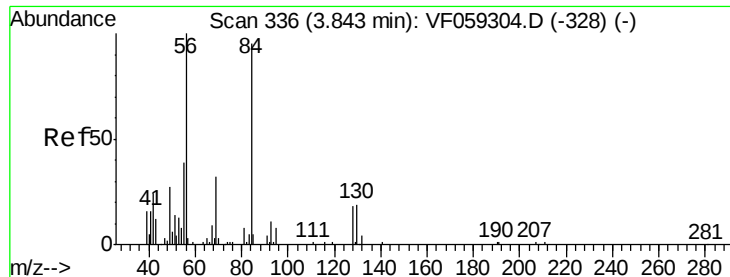
apatel
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#30
Chloroform
Concen: 51.202 ug/l
RT: 3.99 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.3	76.9





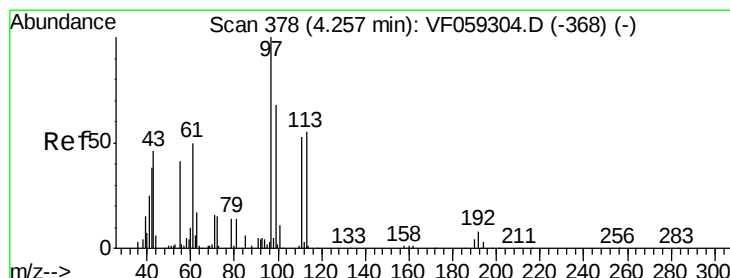
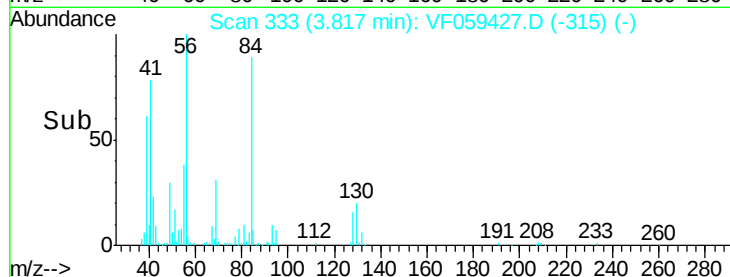
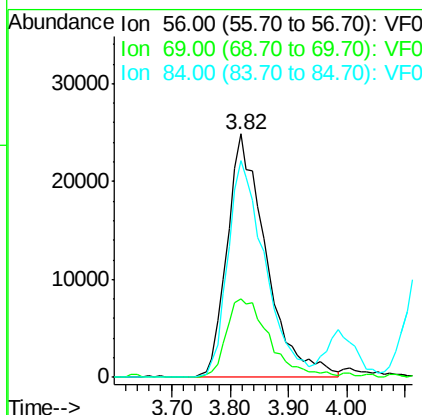
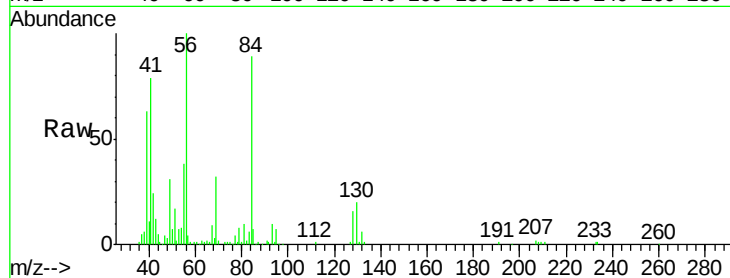
#31
Cyclohexane
Concen: 43.305 ug/l
RT: 3.82 min Scan# 333
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.8	38.8
84	89.0	75.6	113.4

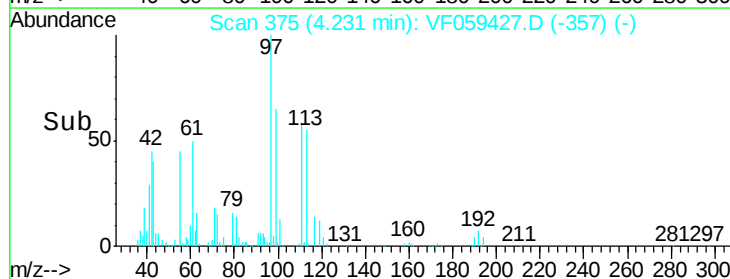
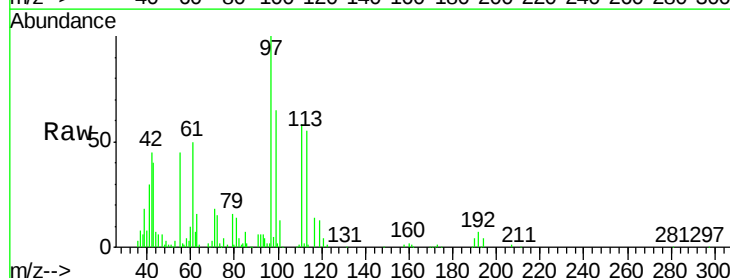
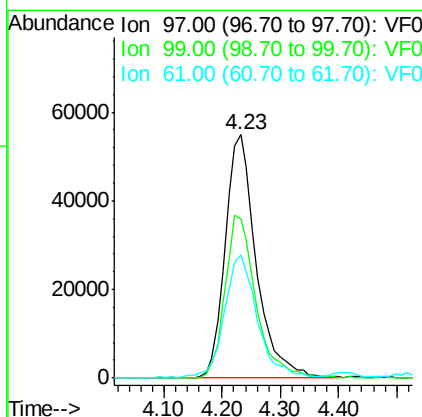
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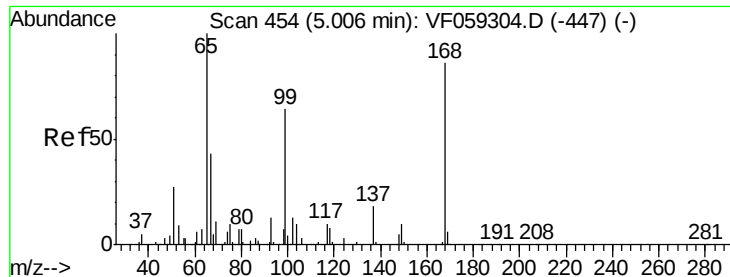
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#32
1,1,1-Trichloroethane
Concen: 47.168 ug/l
RT: 4.23 min Scan# 375
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	54.1	81.1
61	50.4	41.2	61.8





#33

1,2-Dichloroethane-d4

Concen: 49.646 ug/l

RT: 4.98 min Scan# 451

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tot Ion: 65 Resp: 172390

Ion Ratio Lower Upper

65 100

67 44.4 0.0 96.8

Instrument :

MSVOA_F

ClientSampleId :

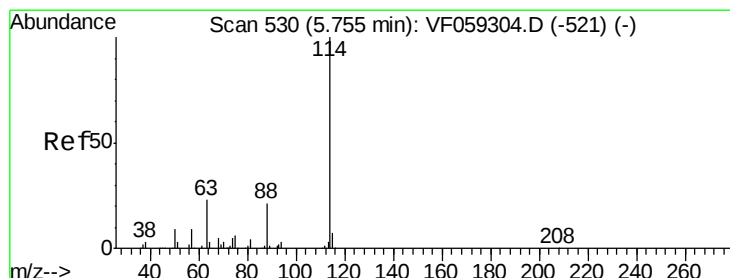
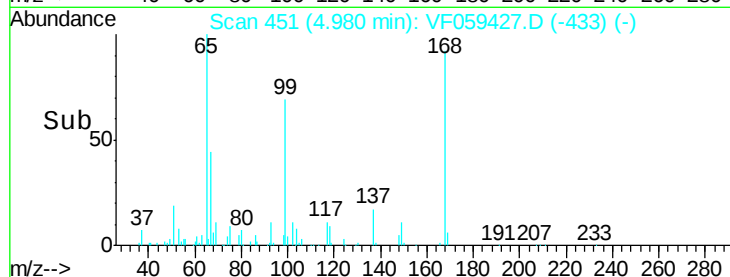
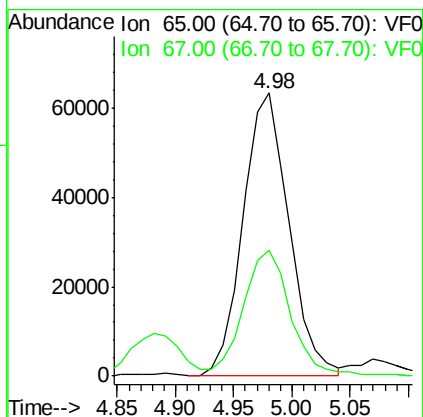
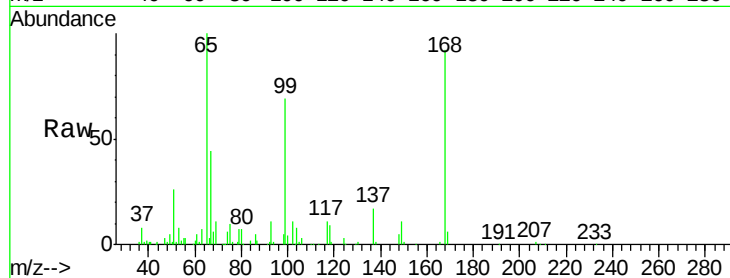
VSTDCCC050

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.73 min Scan# 527

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

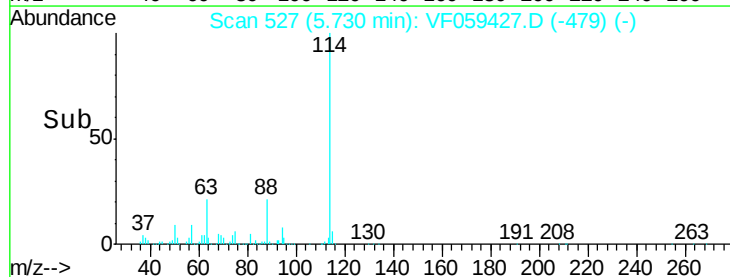
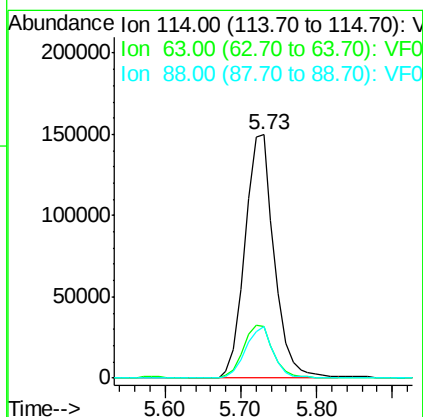
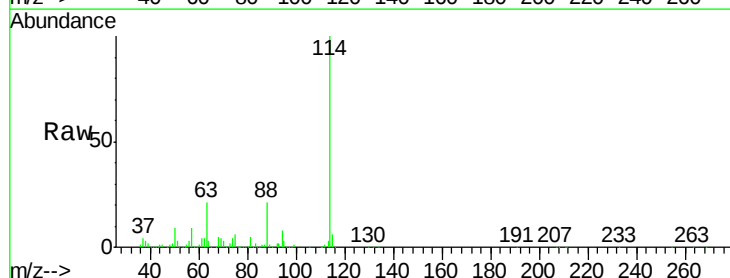
Tgt Ion: 114 Resp: 403347

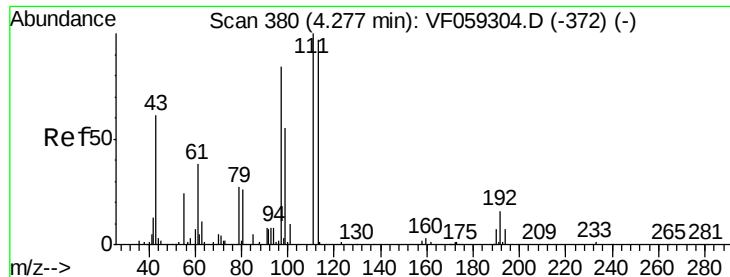
Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.8

88 21.0 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.294 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

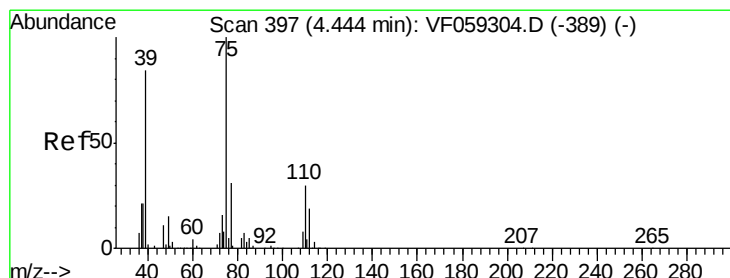
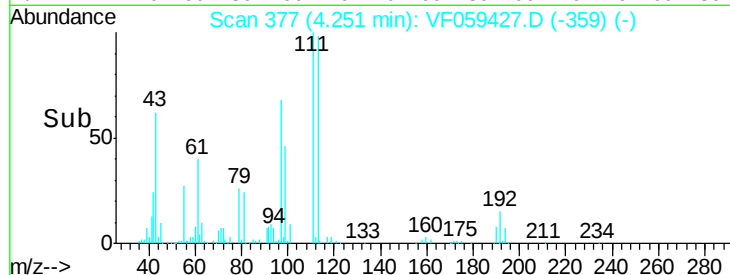
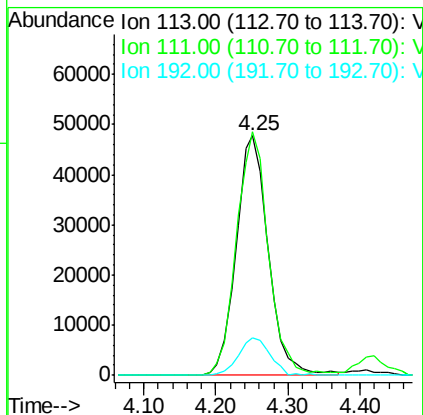
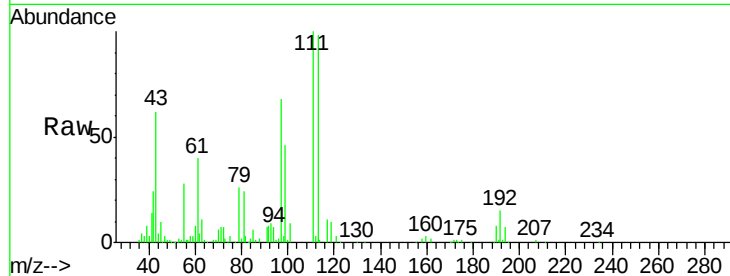
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148222		
111	101.7	82.1	123.1	
192	15.6	13.0	19.6	

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#36

1,1-Dichloropropene

Concen: 51.007 ug/l

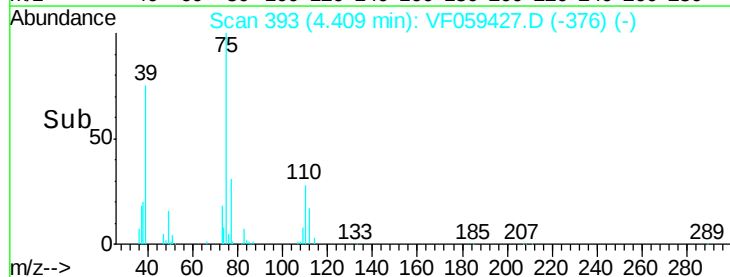
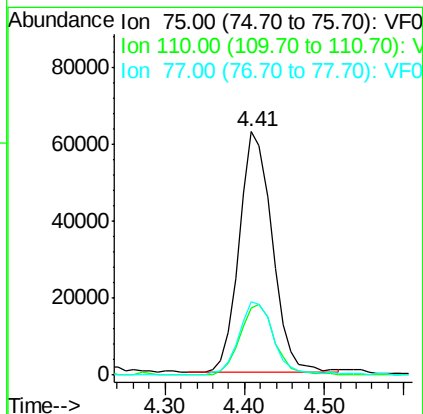
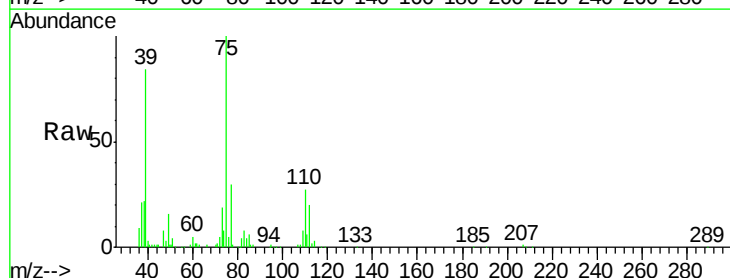
RT: 4.41 min Scan# 393

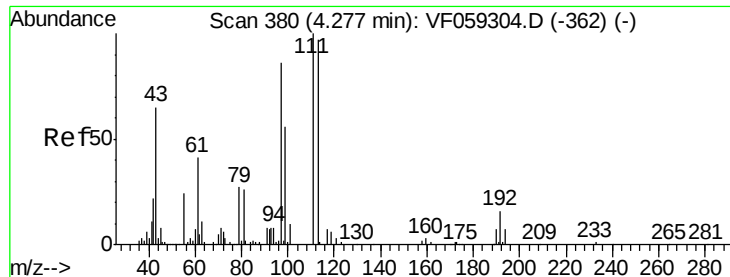
Delta R.T. -0.04 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	179726		
110	27.3	14.8	44.4	
77	29.9	25.2	37.8	





#37

Ethyl Acetate

Concen: 54.865 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

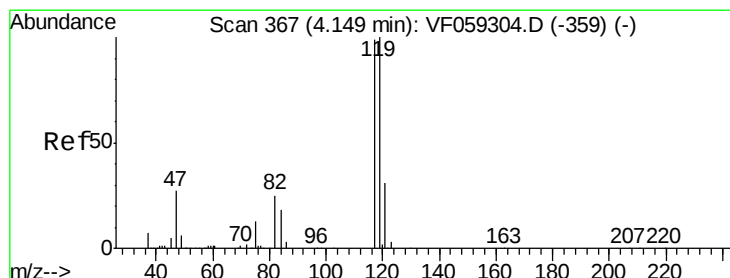
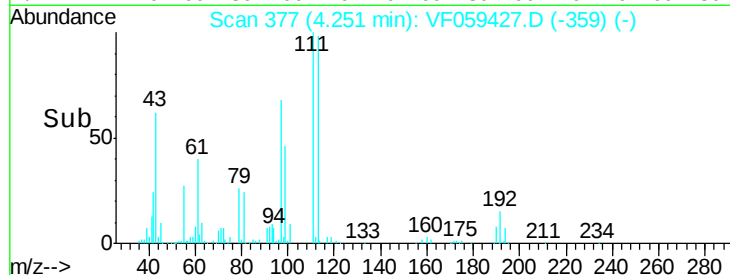
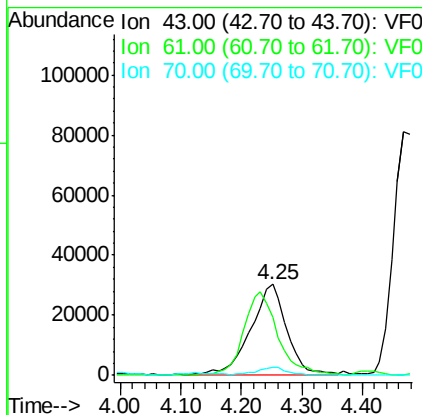
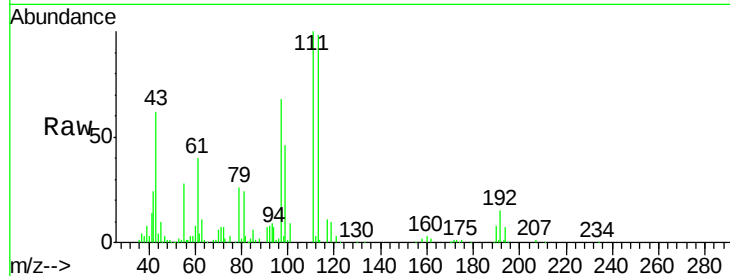
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	123341
Ion Ratio	Lower	Upper	
43	100		
61	64.5	50.1	75.1
70	9.6	6.2	9.4

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#38

Carbon Tetrachloride

Concen: 52.568 ug/l m

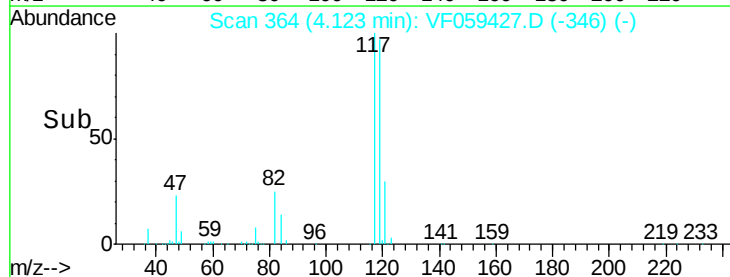
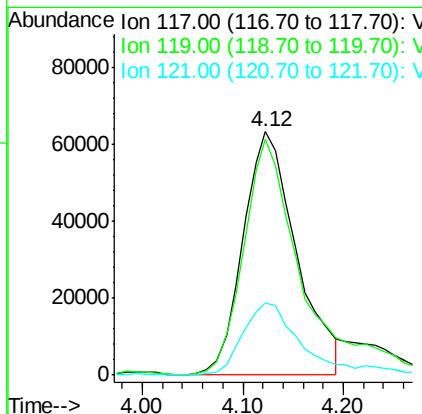
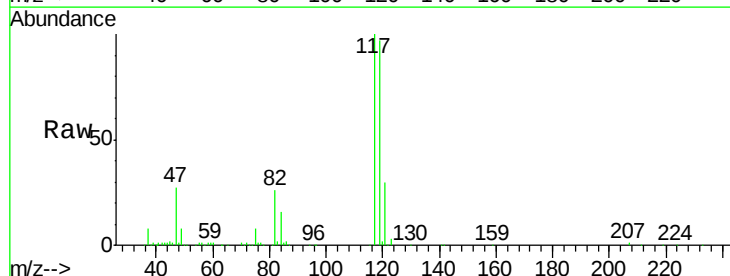
RT: 4.12 min Scan# 364

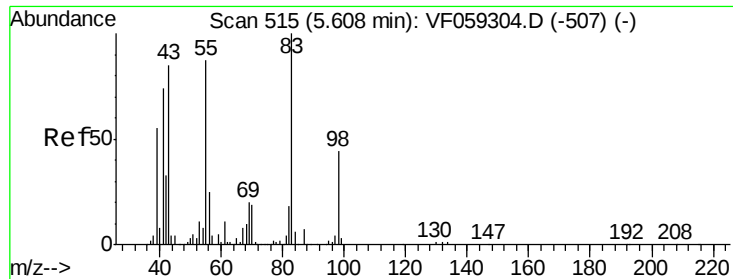
Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	117	Resp:	233752
Ion Ratio	Lower	Upper	
117	100		
119	97.0	81.0	121.4
121	29.7	24.7	37.1





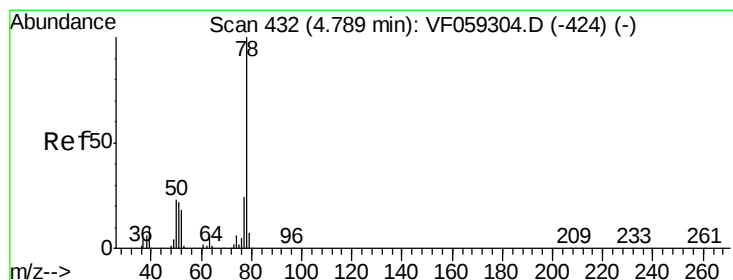
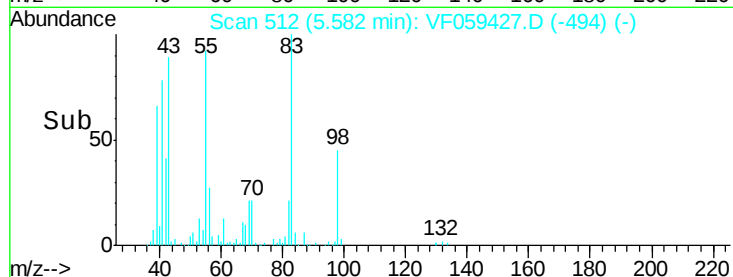
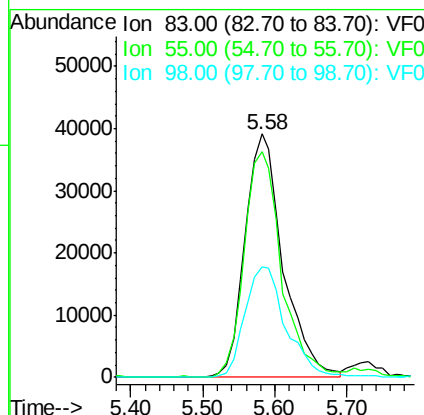
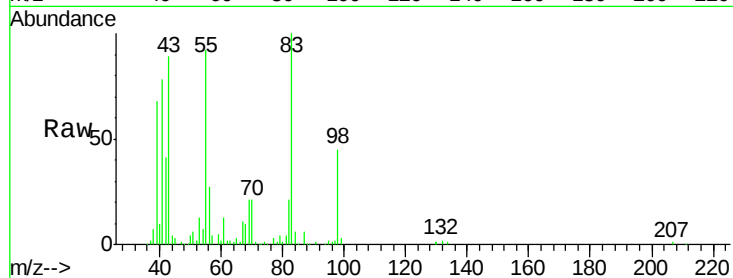
#39
Methvlcvclohexane
Concen: 46.222 ug/l
RT: 5.58 min Scan# 512
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.4	69.2	103.8
98	45.5	35.0	52.6

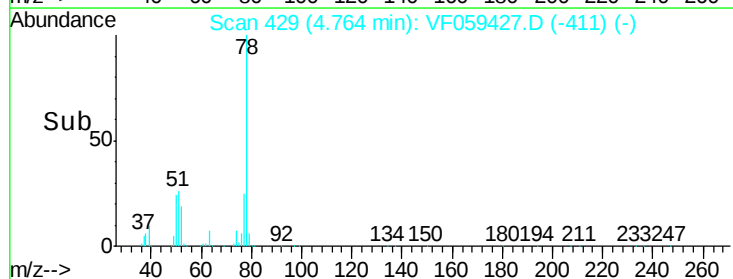
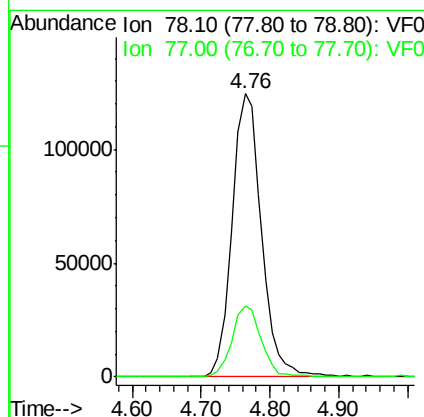
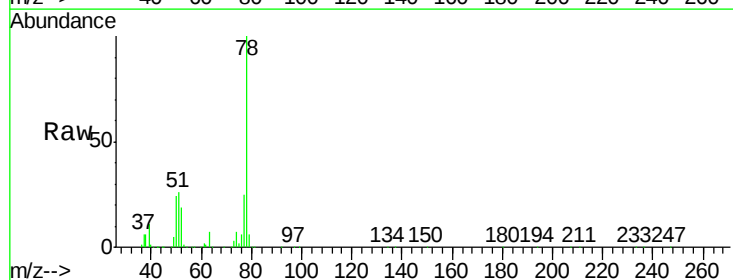
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#40
Benzene
Concen: 46.997 ug/l
RT: 4.76 min Scan# 429
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.6	29.4





#41

Methacrylonitrile

Concen: 49.822 ug/l

RT: 4.87 min Scan# 440

Delta R.T. -0.04 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

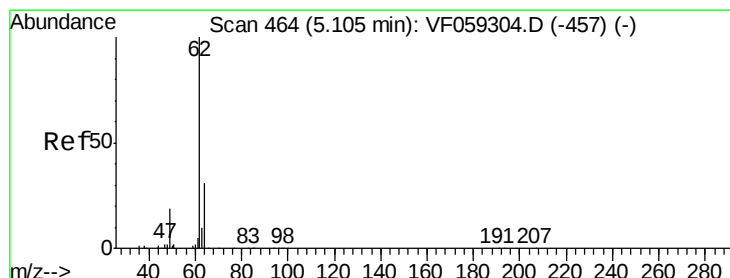
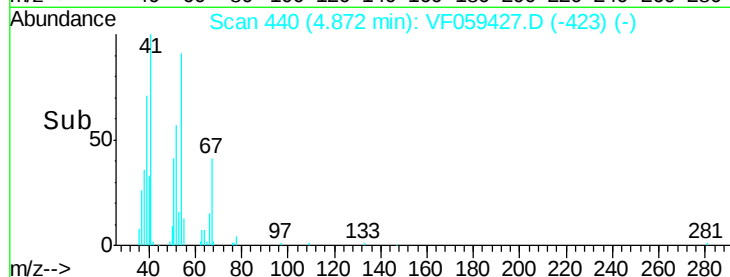
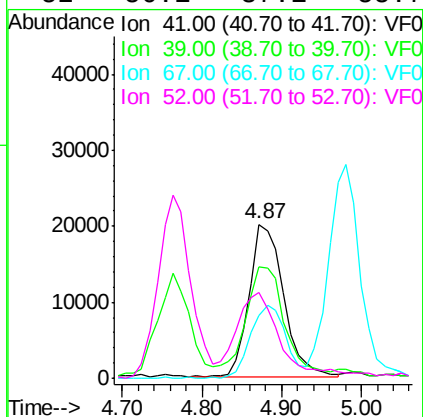
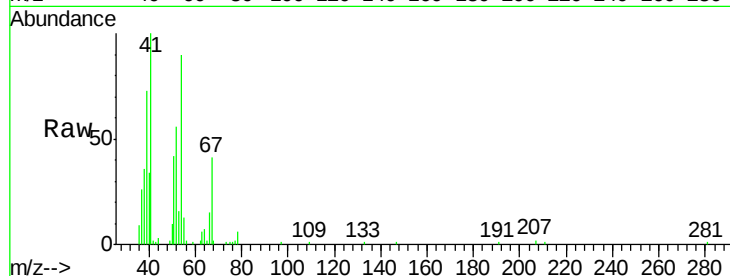
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	59883
Ion	Ratio	Lower	Upper
41	100		
39	72.6	50.0	75.0
67	40.6	37.0	55.6
52	56.1	37.1	55.7#

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#42

1,2-Dichloroethane

Concen: 52.632 ug/l

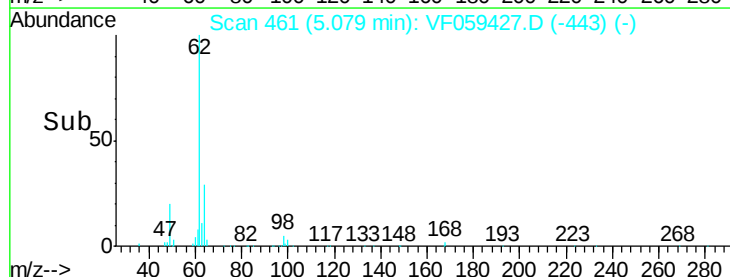
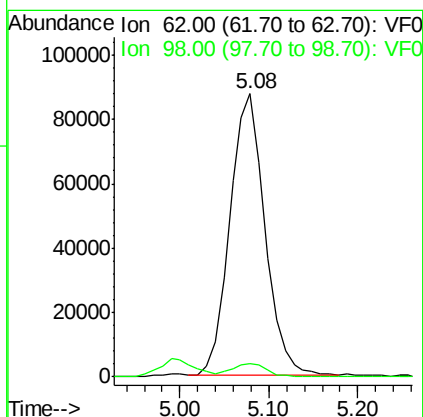
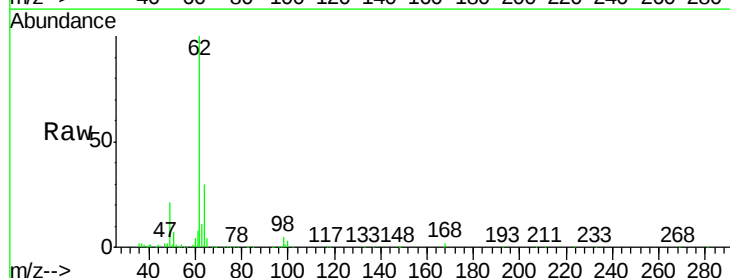
RT: 5.08 min Scan# 461

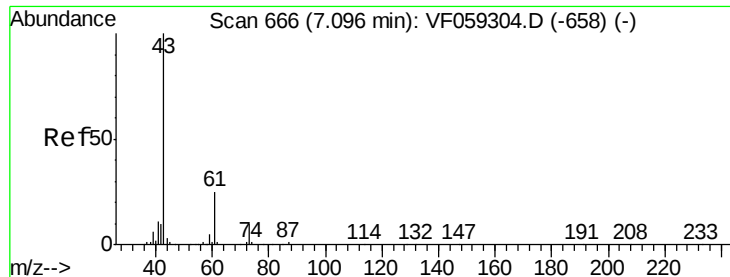
Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	62	Resp:	240270
Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	11.4





#43

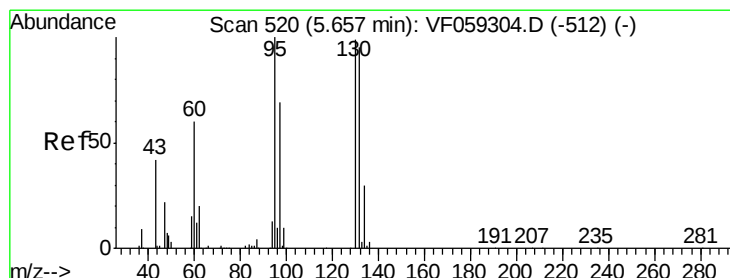
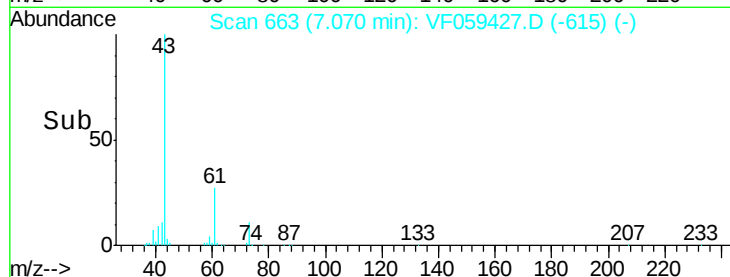
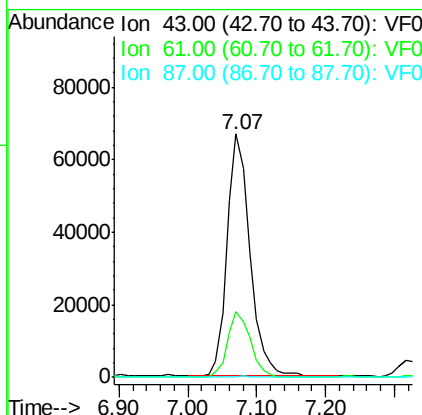
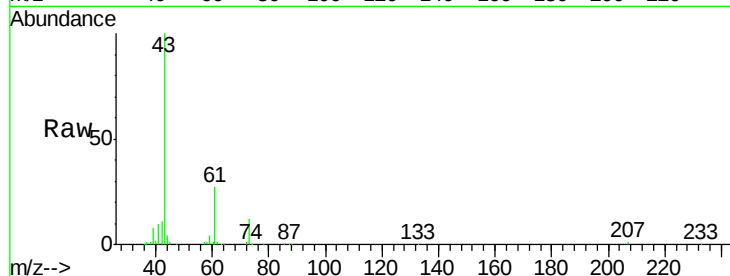
Isopropyl Acetate
 Concen: 52.695 ug/l
 RT: 7.07 min Scan# 663
 Delta R.T. -0.03 min
 Lab File: VF059427.D
 Acq: 5 Jul 2018 11:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	19.7	29.5
87	0.2	0.5	0.7

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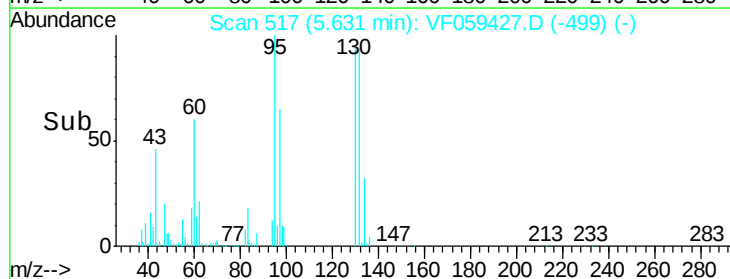
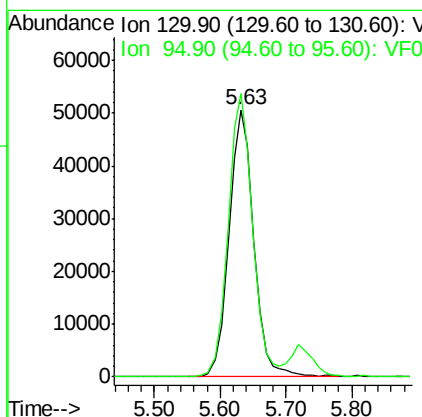
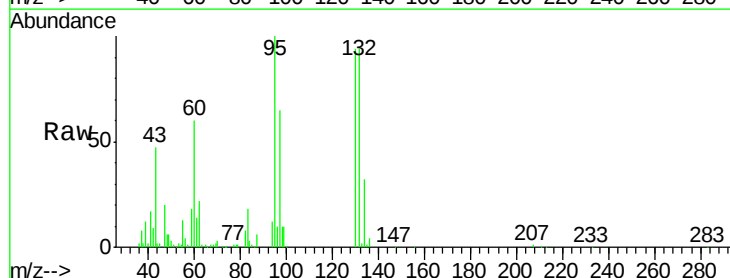
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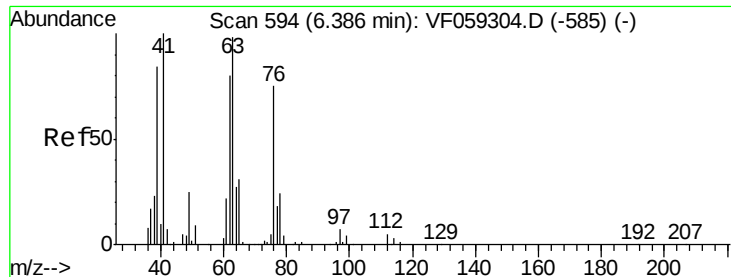


#44

Trichloroethene
 Concen: 49.508 ug/l
 RT: 5.63 min Scan# 517
 Delta R.T. -0.03 min
 Lab File: VF059427.D
 Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	202.4





#45

1,2-Dichloropropane

Concen: 50.570 ug/l

RT: 6.36 min Scan# 591

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 112878

Ion Ratio Lower Upper

63 100

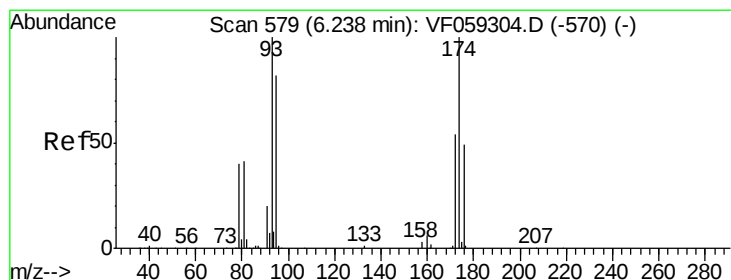
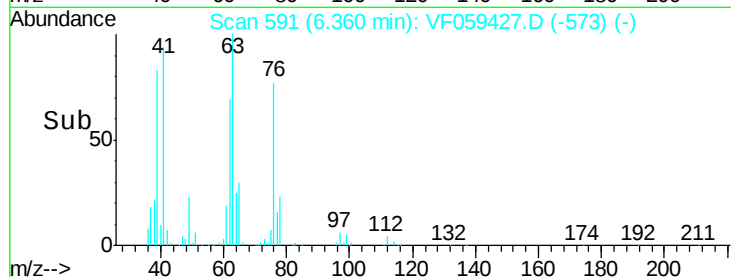
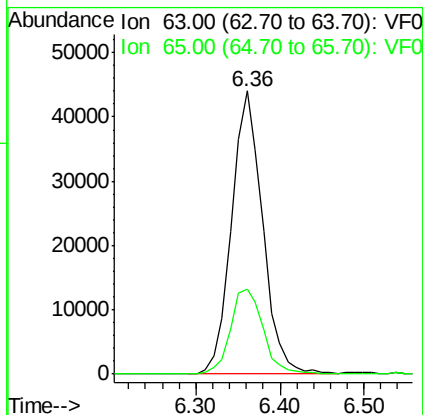
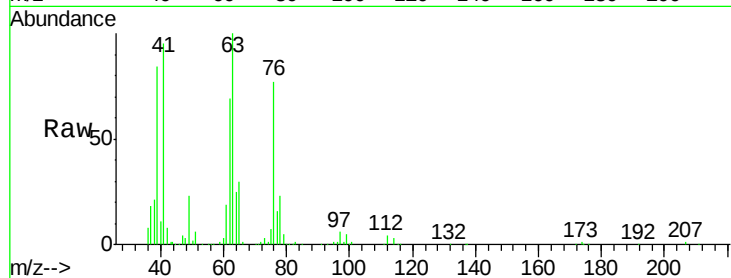
65 30.2 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 53.307 ug/l

RT: 6.21 min Scan# 576

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

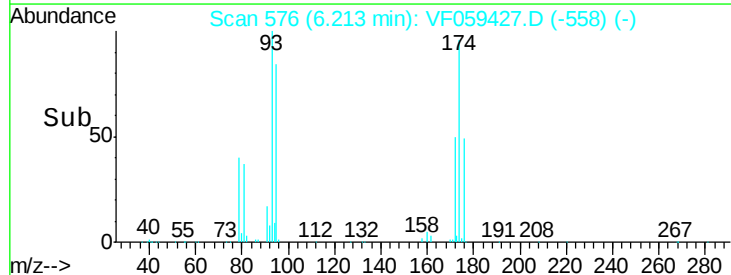
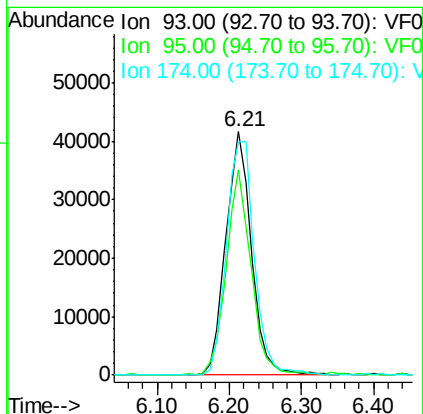
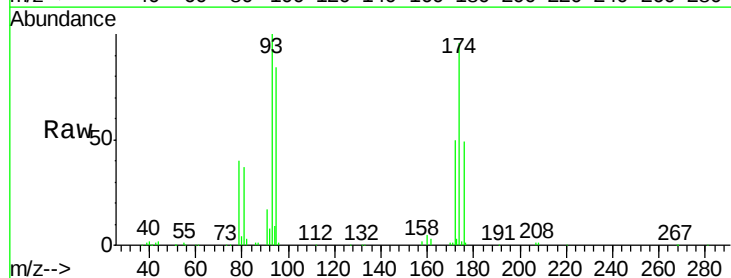
Tgt Ion: 93 Resp: 103274

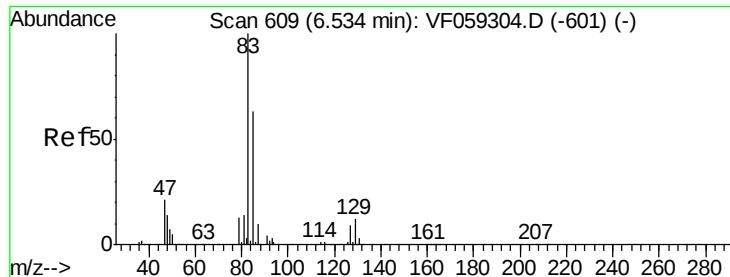
Ion Ratio Lower Upper

93 100

95 84.4 65.6 98.4

174 95.9 80.0 120.0





#47

Bromodichloromethane

Concen: 54.309 ug/l

RT: 6.51 min Scan# 606

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

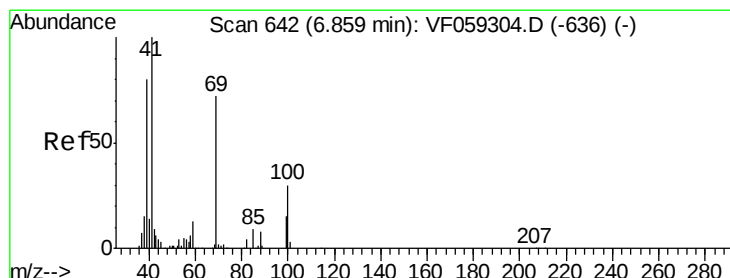
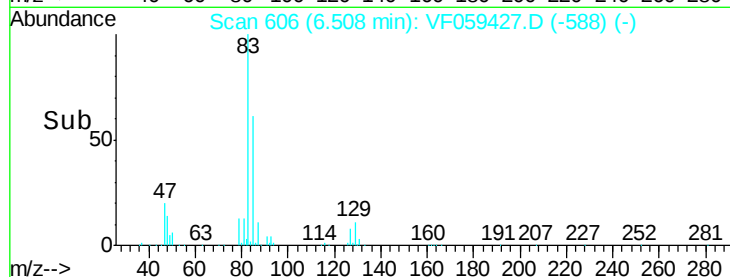
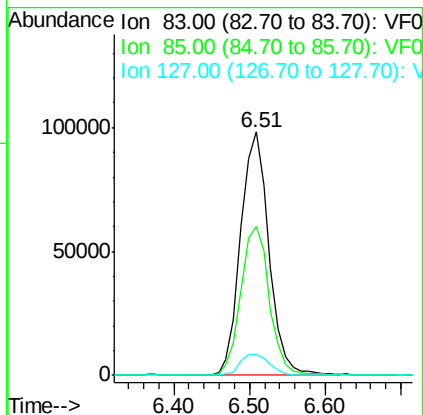
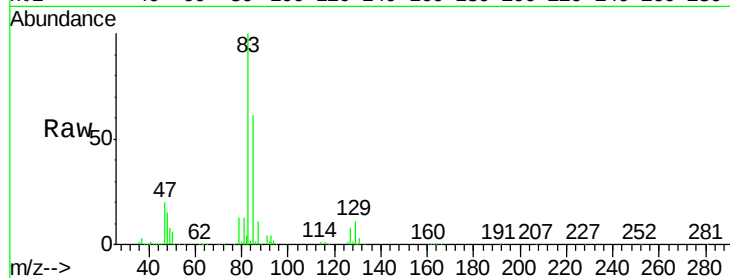
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	254691
Ion Ratio	Lower	Upper	
83	100		
85	61.2	50.2	75.2
127	8.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.667 ug/l

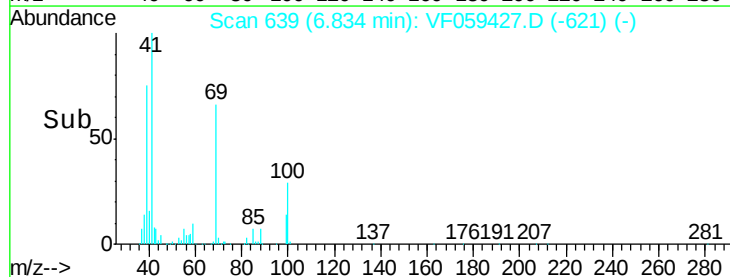
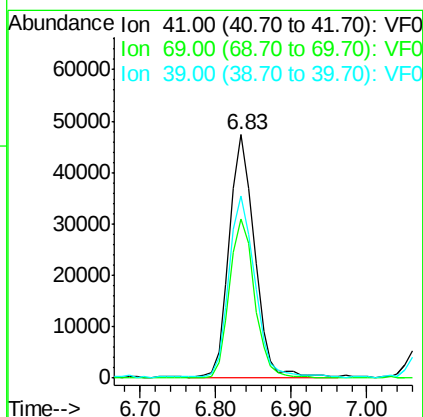
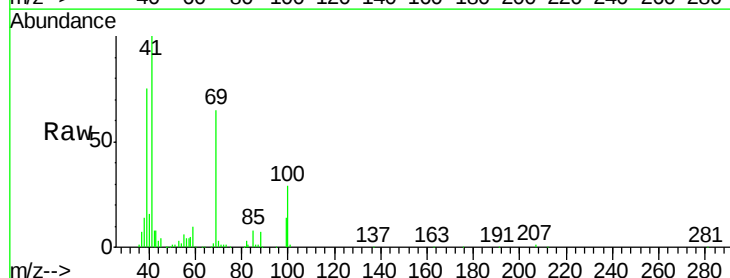
RT: 6.83 min Scan# 639

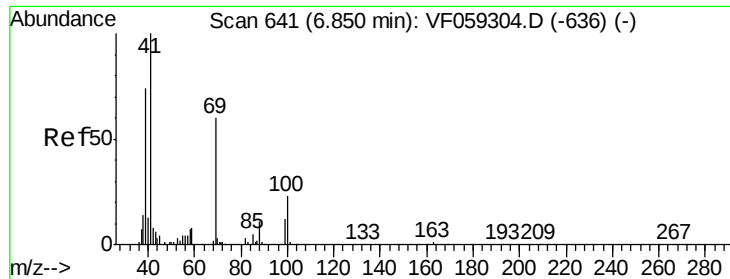
Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	41	Resp:	109500
Ion Ratio	Lower	Upper	
41	100		
69	65.3	57.3	85.9
39	75.0	64.4	96.6





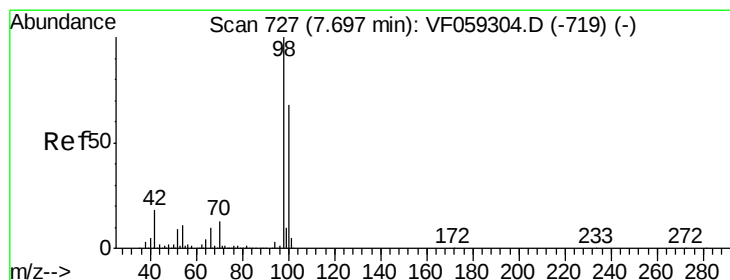
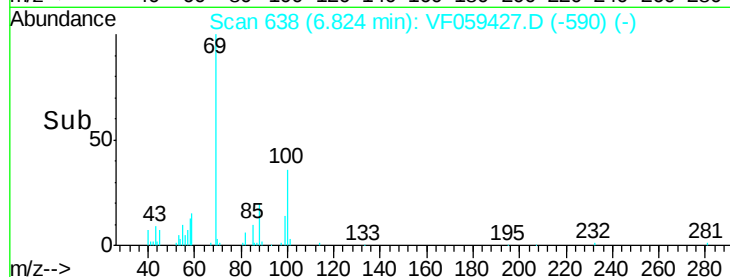
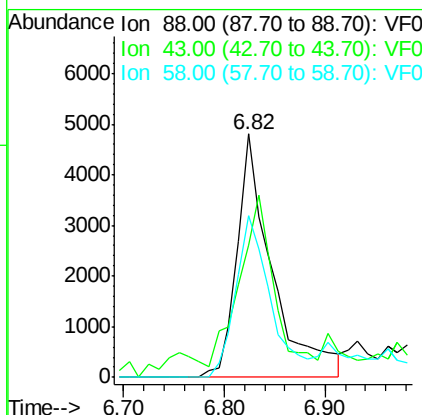
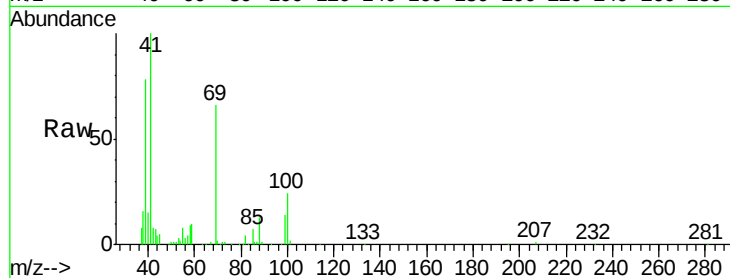
#49
1,4-Dioxane
Concen: 1112.206 ug/l
RT: 6.82 min Scan# 638
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	11623
Ion Ratio	Lower	Upper	
88	100		
43	54.1	50.6	75.8
58	66.5	46.6	69.8

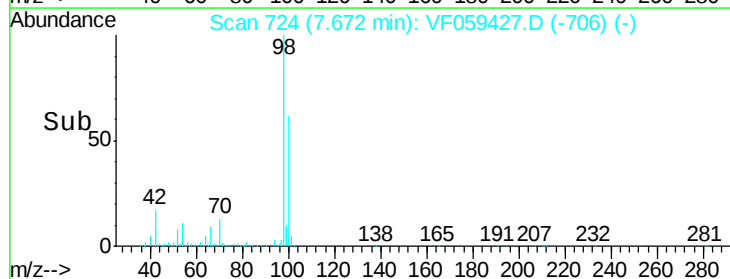
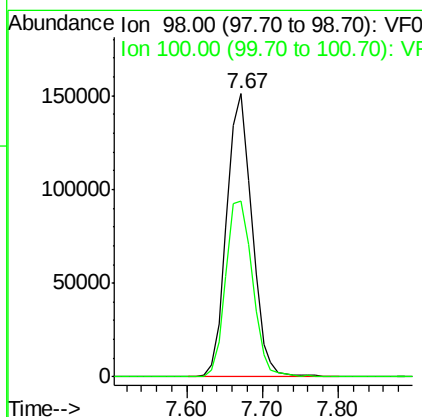
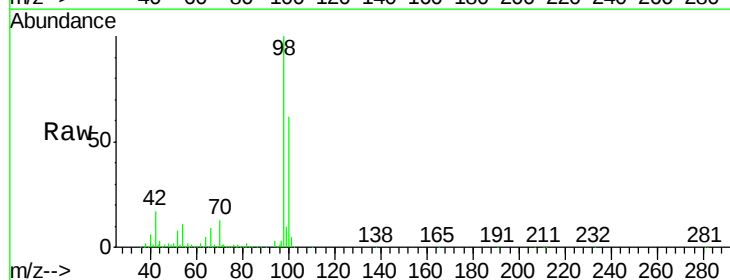
Manual Integrations
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#50
Toluene-d8
Concen: 48.104 ug/l
RT: 7.67 min Scan# 724
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Tgt Ion	98	Resp	351004
Ion Ratio	Lower	Upper	
98	100		
100	61.9	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 258.747 ug/l

RT: 8.37 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 562611

Ion Ratio Lower Upper

43 100

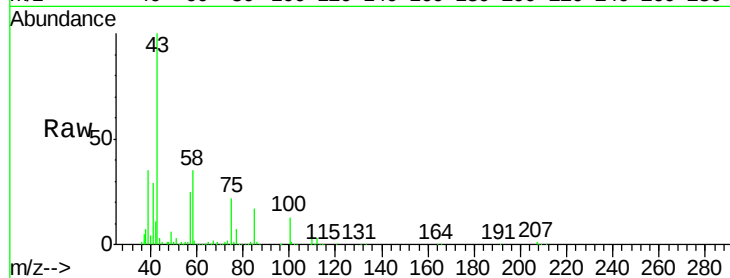
58 34.9 28.4 42.6

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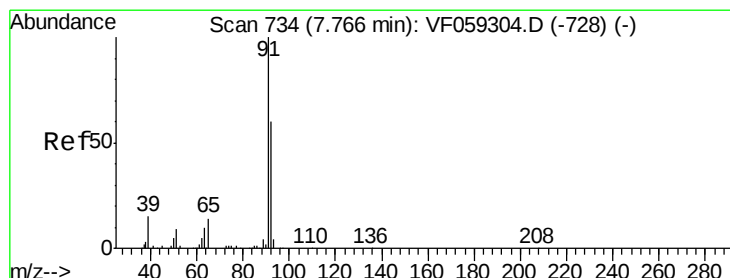
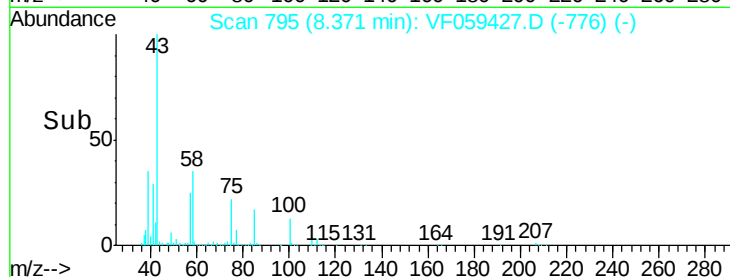
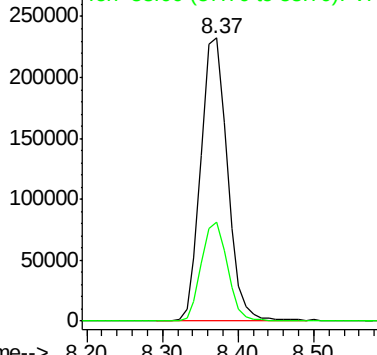
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 47.785 ug/l

RT: 7.74 min Scan# 731

Delta R.T. -0.03 min

Lab File: VF059427.D

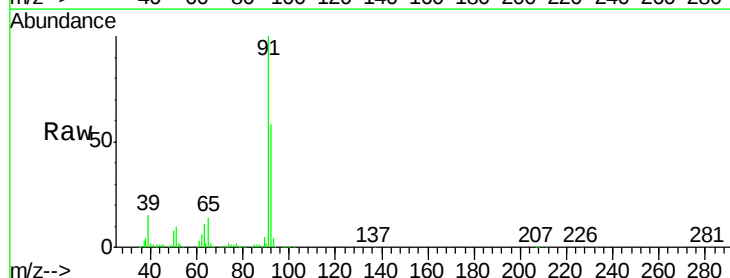
Acq: 5 Jul 2018 11:43

Tgt Ion: 92 Resp: 279346

Ion Ratio Lower Upper

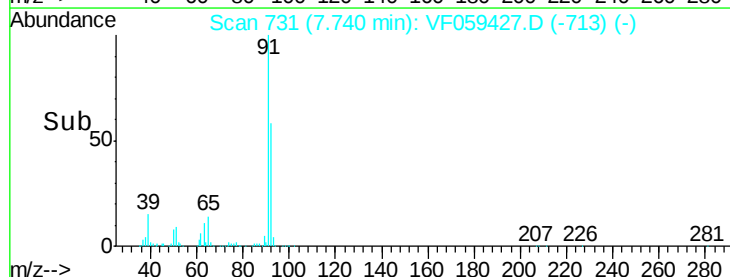
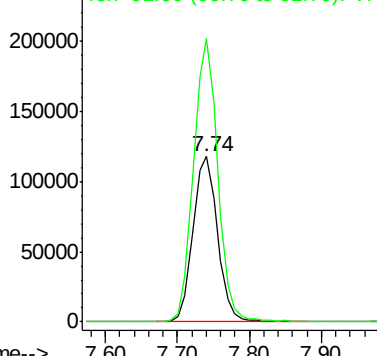
92 100

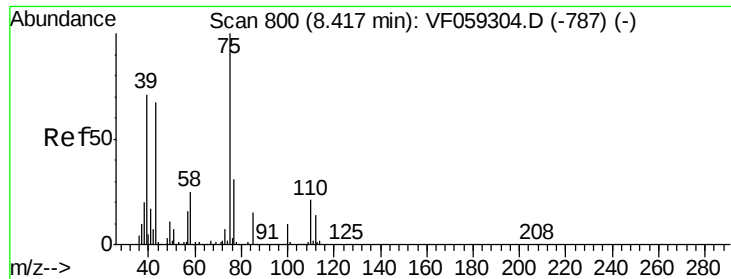
91 171.2 132.8 199.2



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: 52.026 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 222397

Ion Ratio Lower Upper

75 100

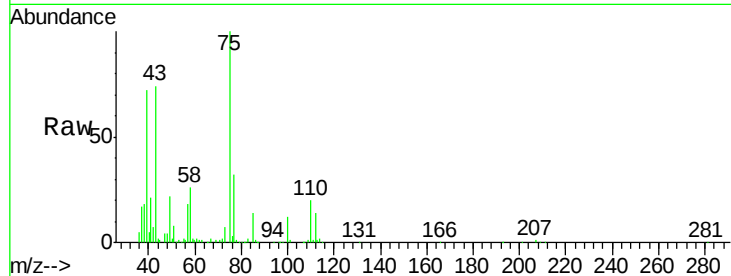
77 31.5 25.3 37.9

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.39

100000

80000

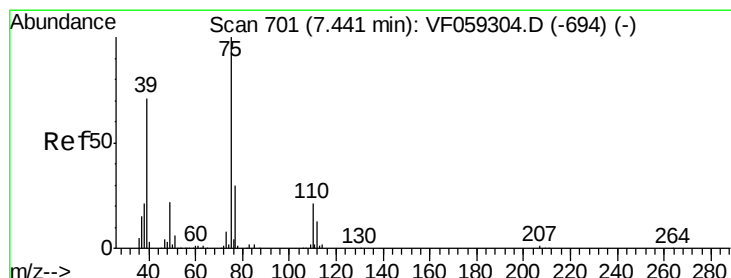
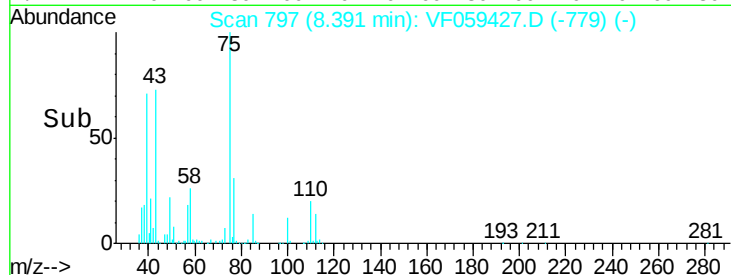
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.208 ug/l

RT: 7.42 min Scan# 698

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

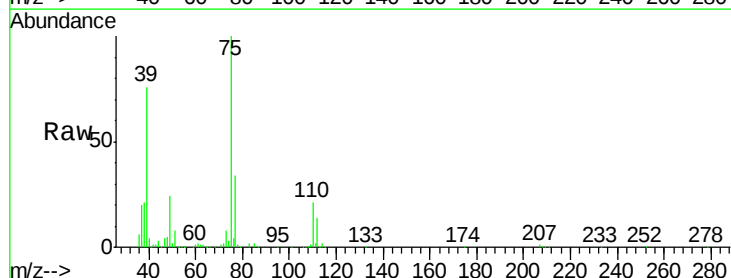
Tgt Ion: 75 Resp: 242414

Ion Ratio Lower Upper

75 100

77 34.2 24.3 36.5

39 76.5 57.2 85.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

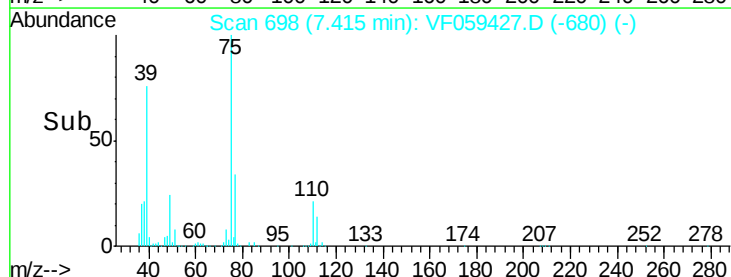
7.42

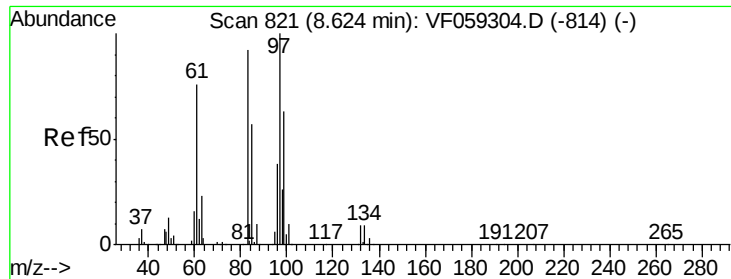
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.395 ug/l

RT: 8.60 min Scan# 818

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

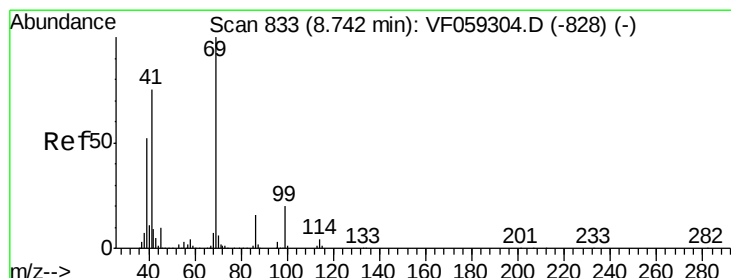
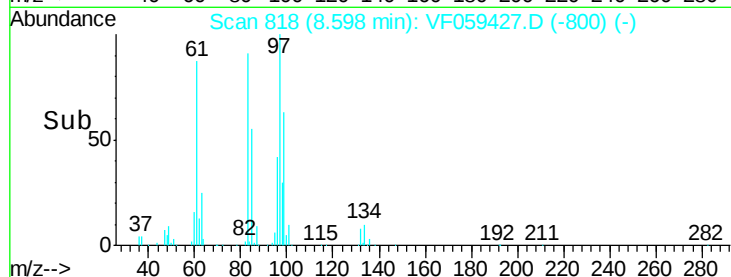
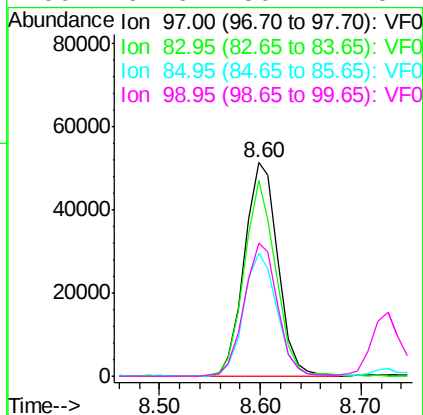
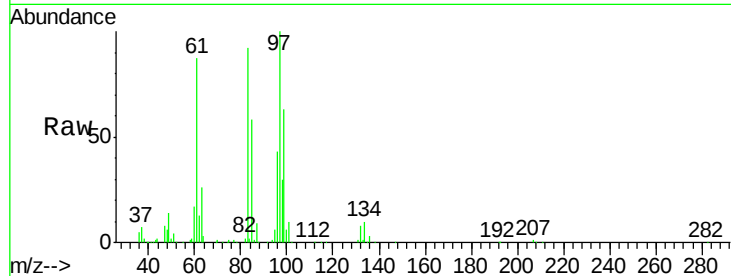
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	118924
Ion	Ratio	Lower	Upper
97	100		
83	91.5	73.8	110.8
85	57.7	45.5	68.3
99	62.6	50.7	76.1

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#56

Ethyl methacrylate

Concen: 51.045 ug/l

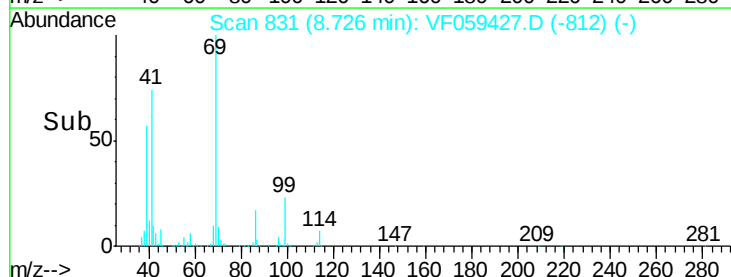
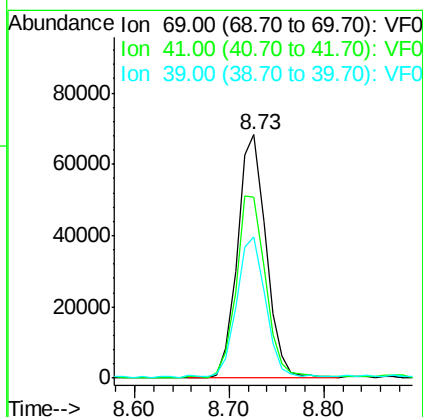
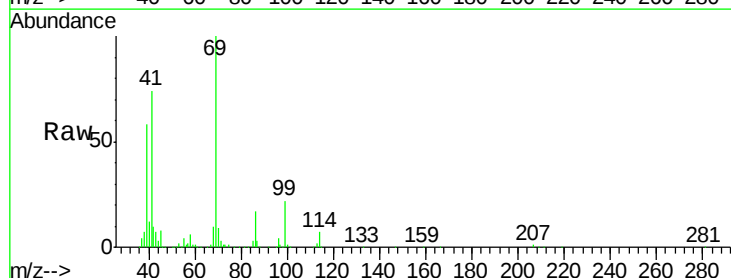
RT: 8.73 min Scan# 831

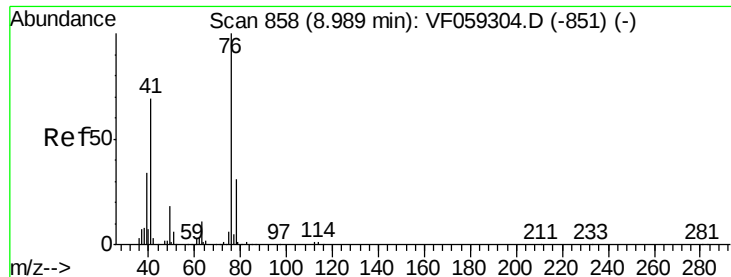
Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	69	Resp:	143524
Ion	Ratio	Lower	Upper
69	100		
41	74.4	60.3	90.5
39	58.2	42.2	63.4





#57

1,3-Dichloropropane

Concen: 51.429 ug/l

RT: 8.96 min Scan# 855

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 200201

Ion Ratio Lower Upper

76 100

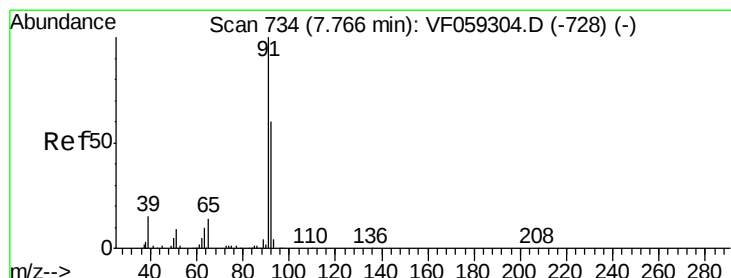
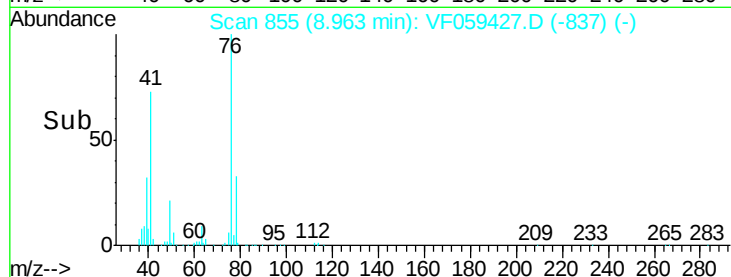
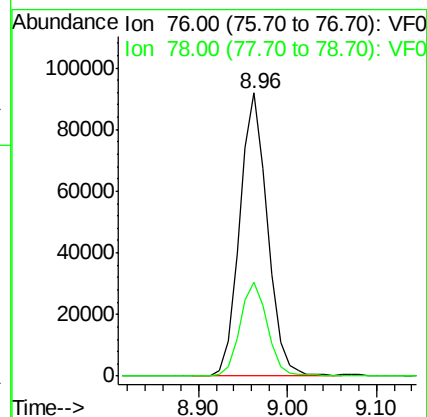
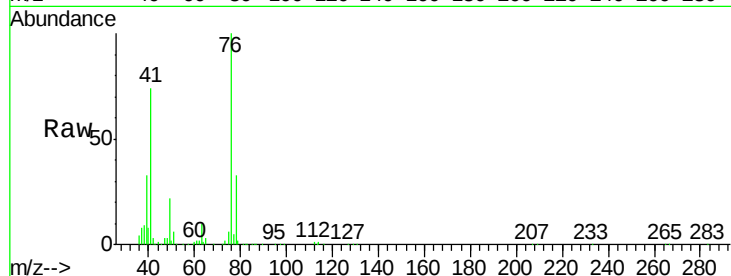
78 33.2 24.9 37.3

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#58

2-Chloroethyl Vinyl ether

Concen: 249.862 ug/l

RT: 7.74 min Scan# 731

Delta R.T. -0.03 min

Lab File: VF059427.D

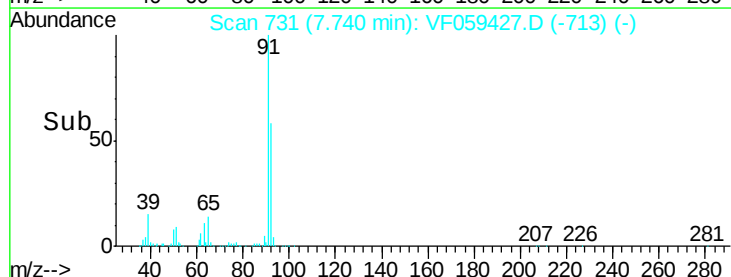
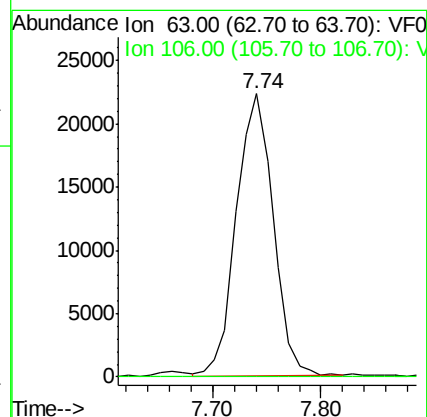
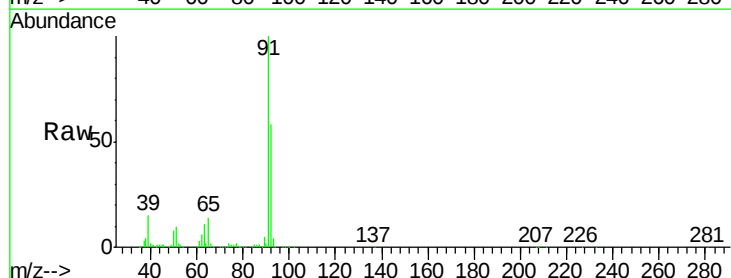
Acq: 5 Jul 2018 11:43

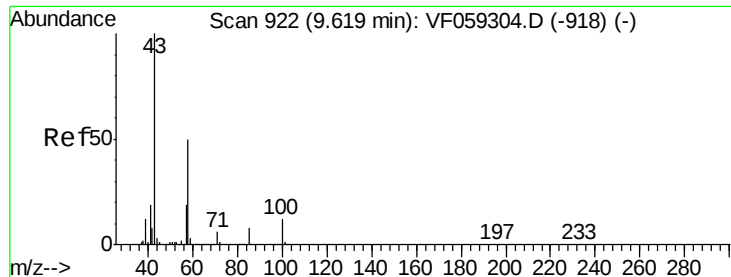
Tgt Ion: 63 Resp: 52690

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





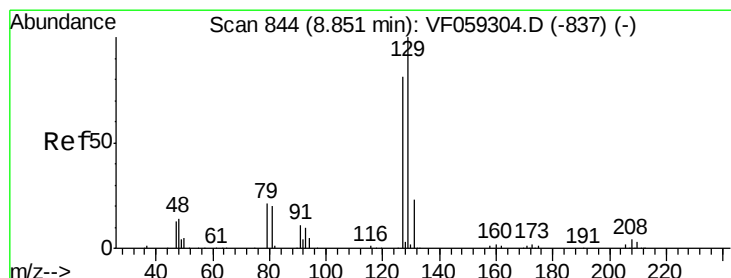
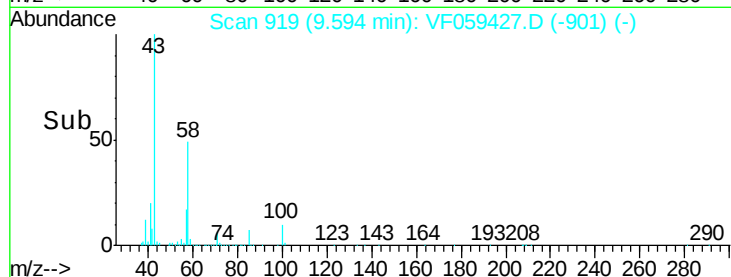
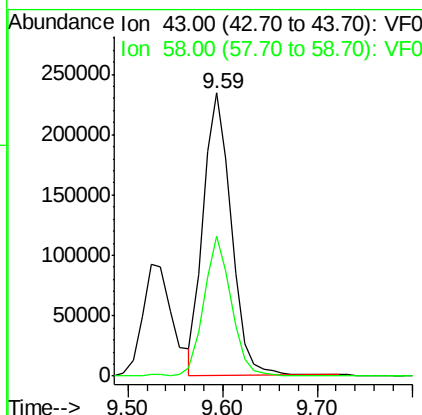
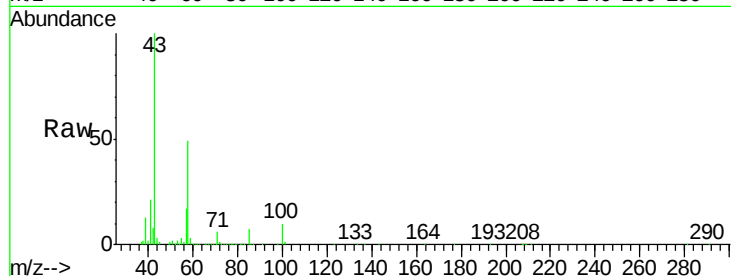
#59
2-Hexanone
Concen: 298.315 ug/l
RT: 9.59 min Scan# 919
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 481967
Ion Ratio Lower Upper
43 100
58 49.4 23.3 69.9

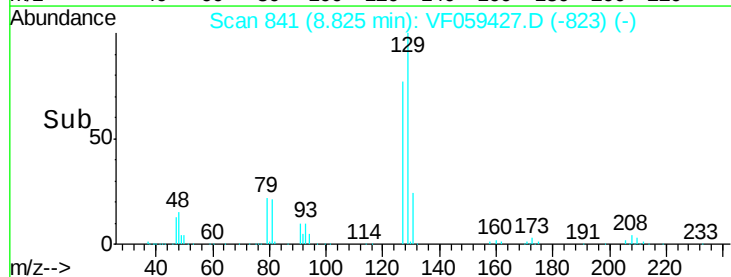
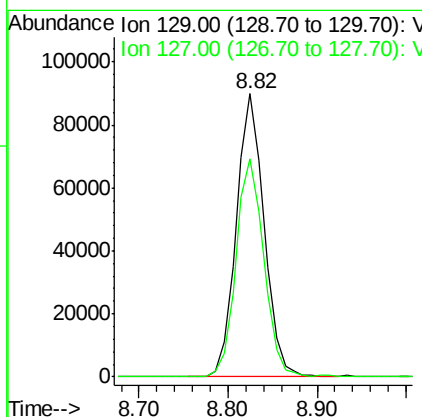
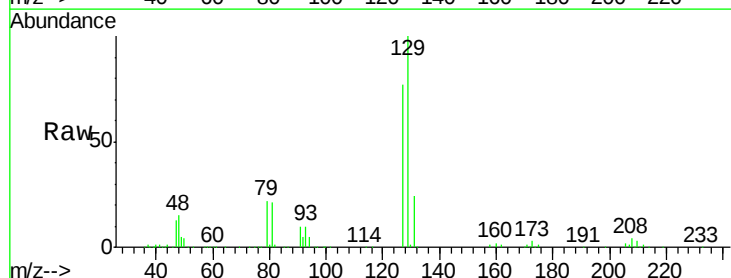
Manual Integrations
APPROVED

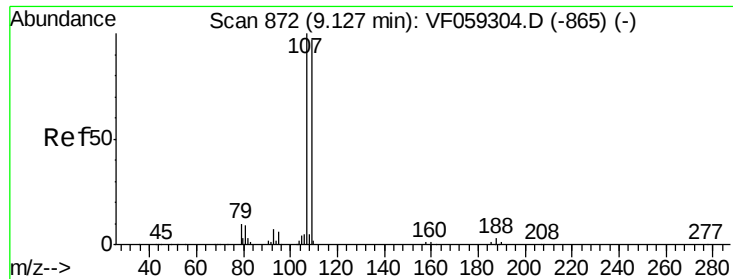
apatel
7/6/2018 10:00:26 AM



#60
Dibromochloromethane
Concen: 55.944 ug/l
RT: 8.82 min Scan# 841
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Tgt Ion: 129 Resp: 196035
Ion Ratio Lower Upper
129 100
127 77.1 40.7 122.1





#61

1,2-Dibromoethane

Concen: 48.911 ug/l

RT: 9.10 min Scan# 869

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 134638

Ion Ratio Lower Upper

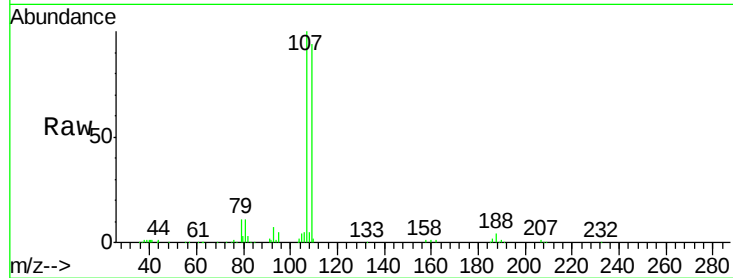
107 100

109 94.5 77.3 115.9

Manual Integrations
APPROVED

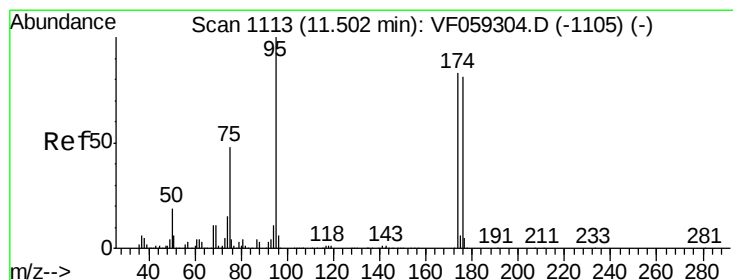
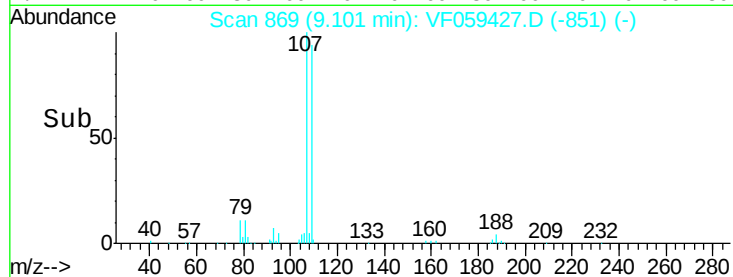
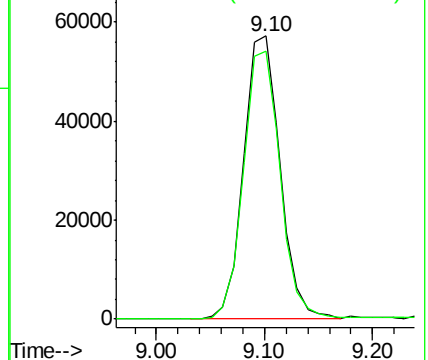
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.438 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

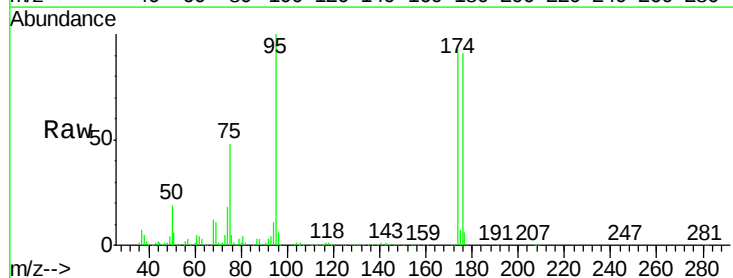
Tgt Ion: 95 Resp: 199372

Ion Ratio Lower Upper

95 100

174 93.0 0.0 165.2

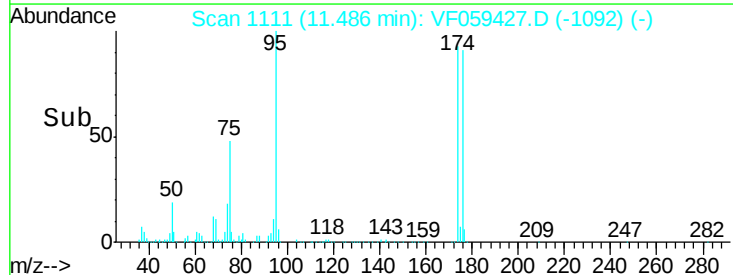
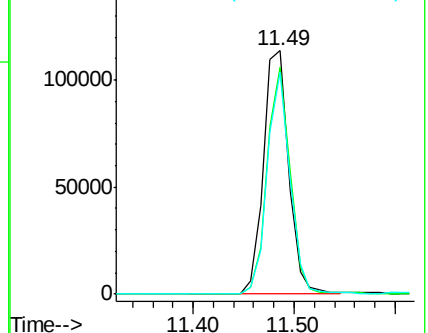
176 91.3 0.0 161.0

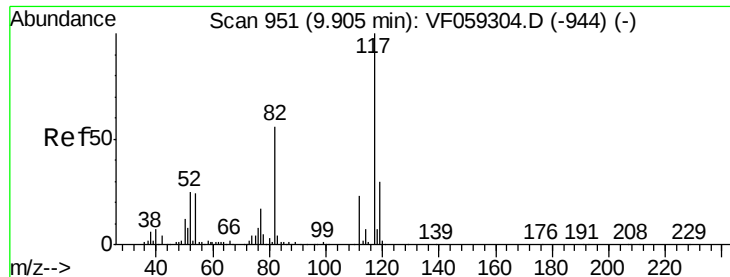


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





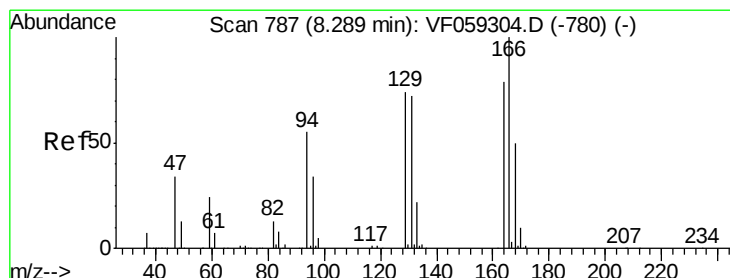
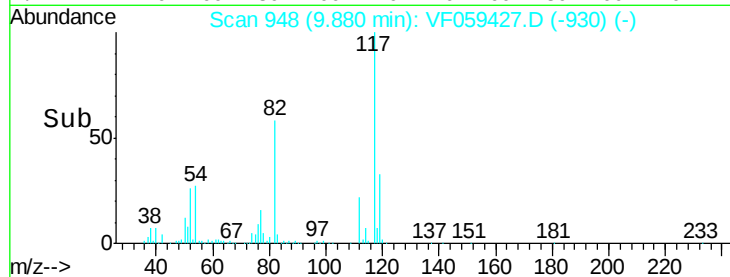
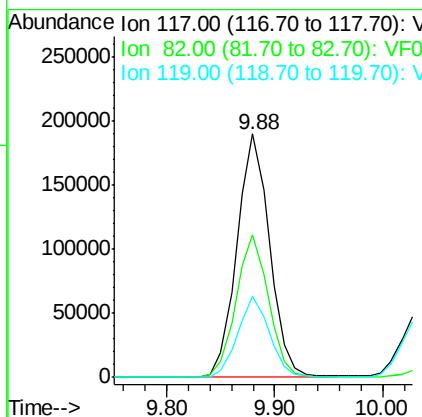
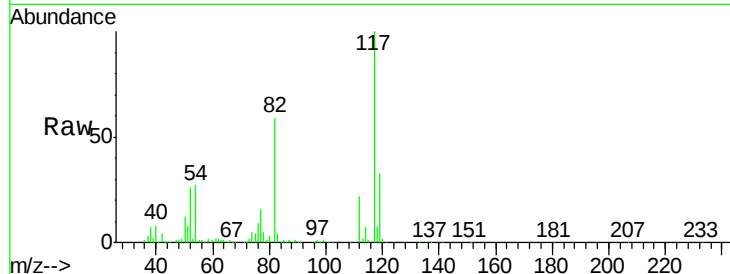
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 948
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	399632		
82	58.5		44.6	66.8
119	33.3		24.1	36.1

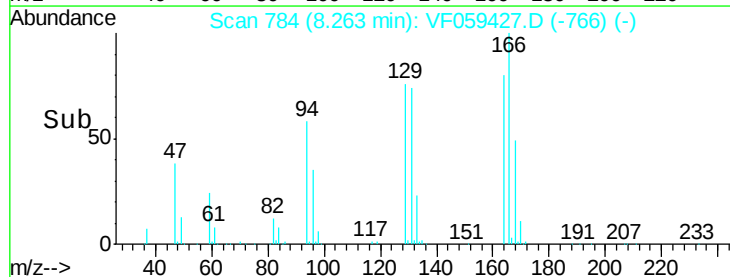
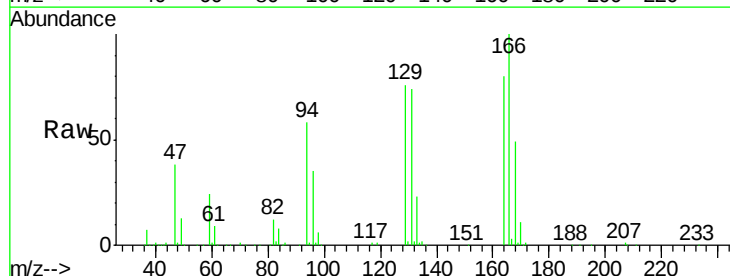
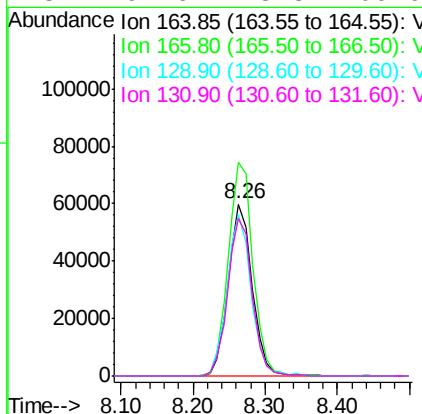
Manual Integrations
APPROVED

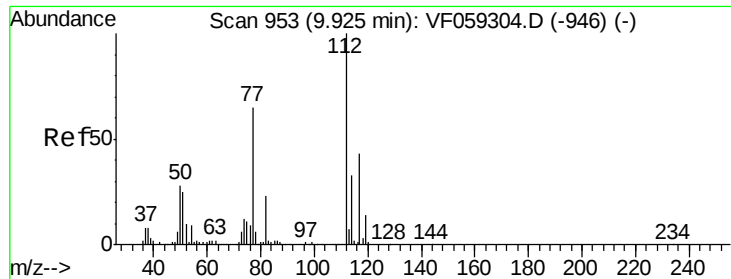
apatel
7/6/2018 10:00:26 AM



#64
Tetrachloroethene
Concen: 53.528 ug/l
RT: 8.26 min Scan# 784
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	138740		
166	124.3		101.1	151.7
129	93.9		75.0	112.4
131	91.6		73.3	109.9





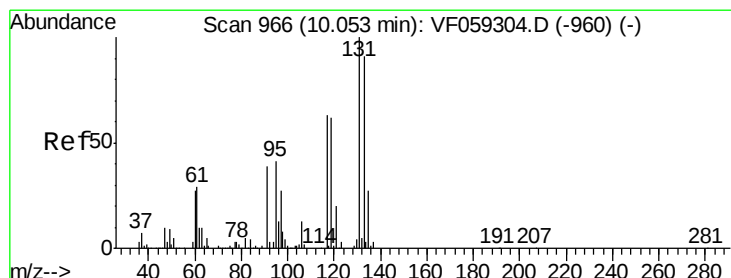
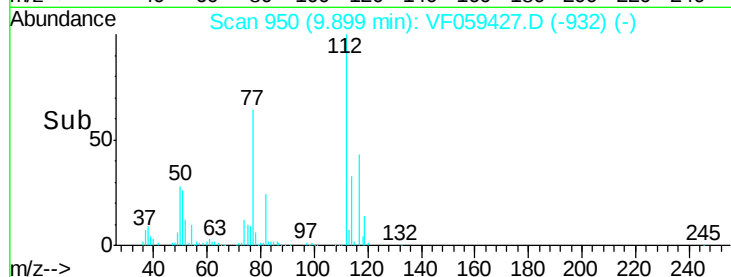
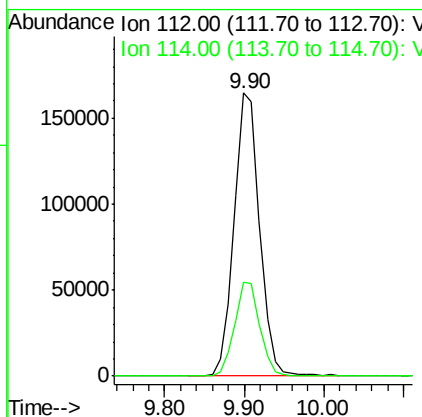
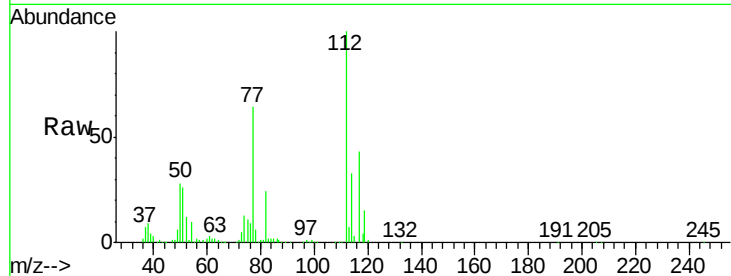
#65
Chlorobenzene
Concen: 49.953 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	26.5	39.7

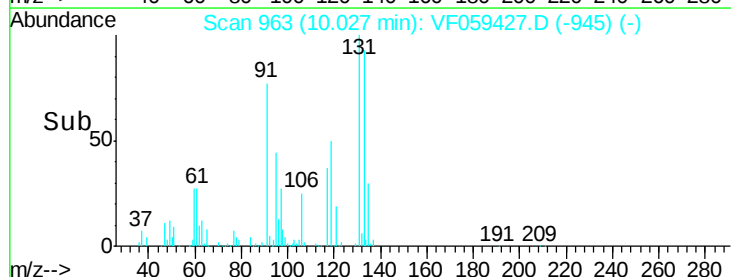
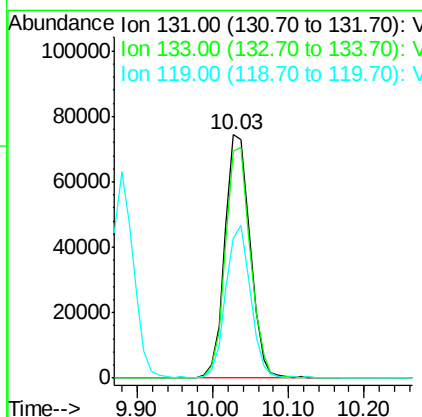
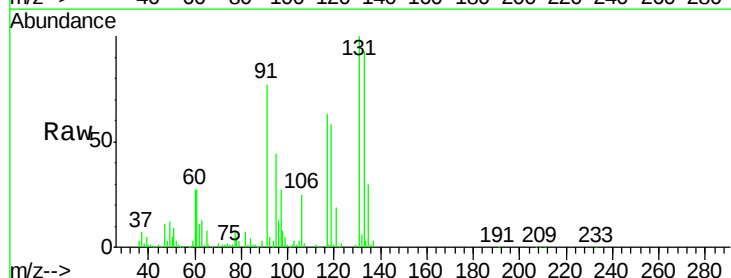
Manual Integrations
APPROVED

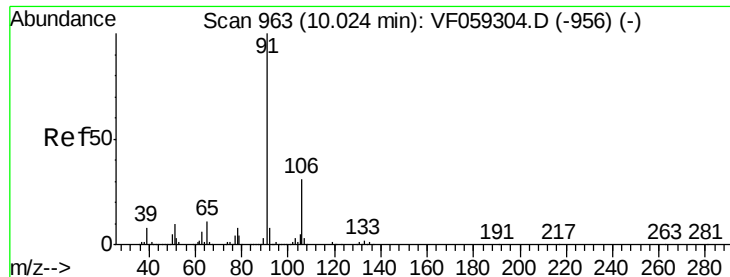
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.627 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.03 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.4	45.3	135.9
119	57.7	31.3	93.9





#67

Ethyl Benzene

Concen: 51.935 ug/l

RT: 10.00 min Scan# 960

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 652432

Ion Ratio Lower Upper

91 100

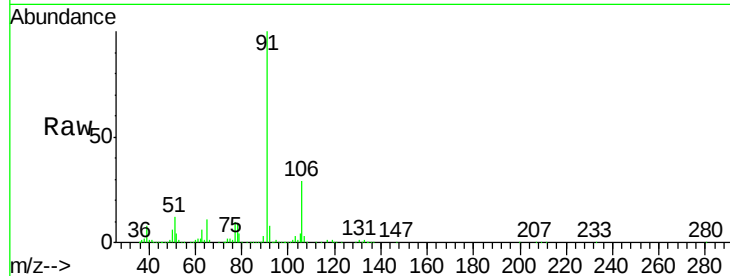
106 29.2 24.8 37.2

Manual Integrations

APPROVED

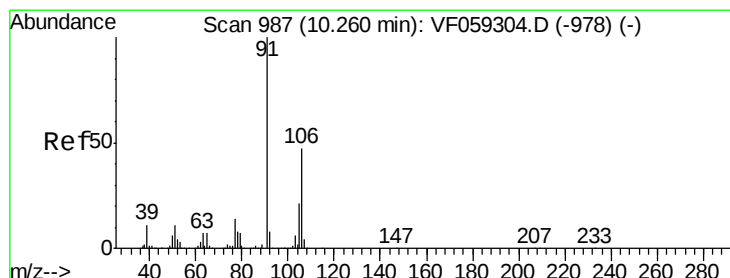
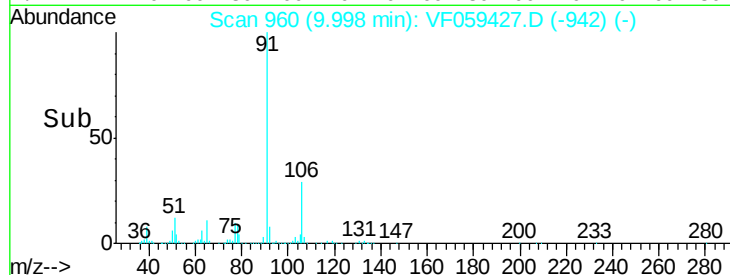
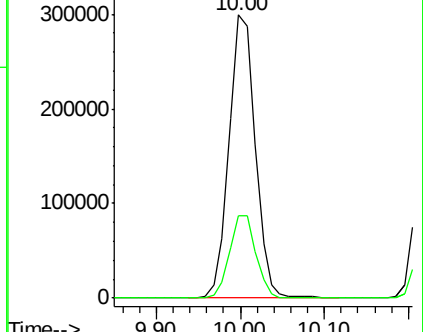
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 104.030 ug/l

RT: 10.23 min Scan# 984

Delta R.T. -0.03 min

Lab File: VF059427.D

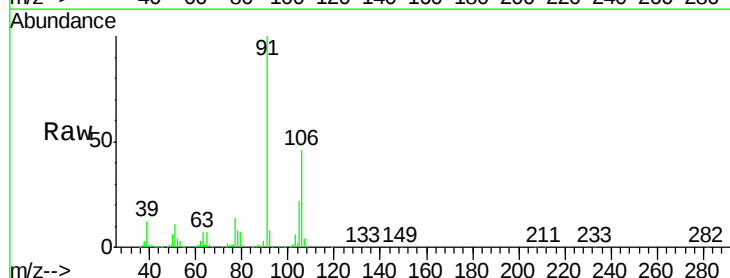
Acq: 5 Jul 2018 11:43

Tgt Ion: 106 Resp: 465155

Ion Ratio Lower Upper

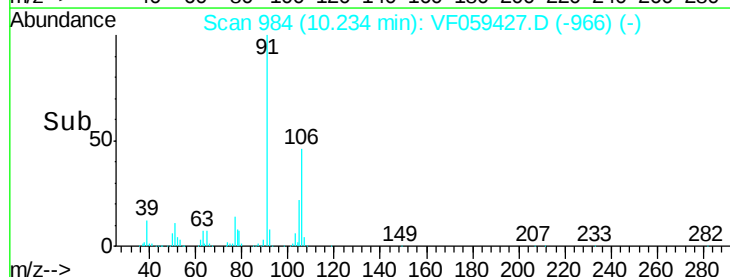
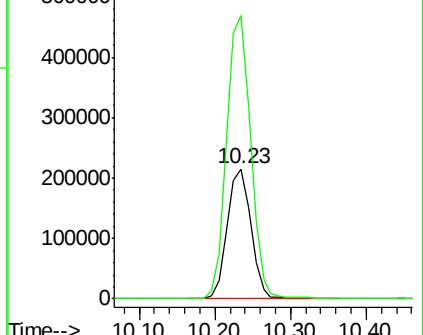
106 100

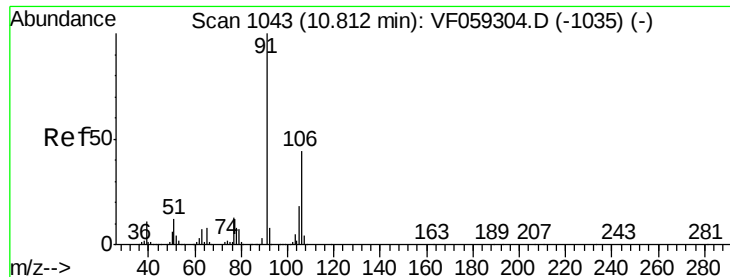
91 217.9 170.8 256.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





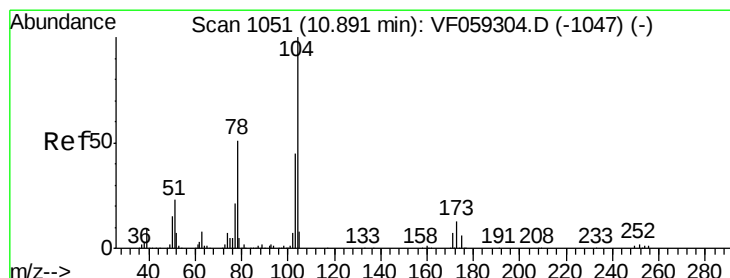
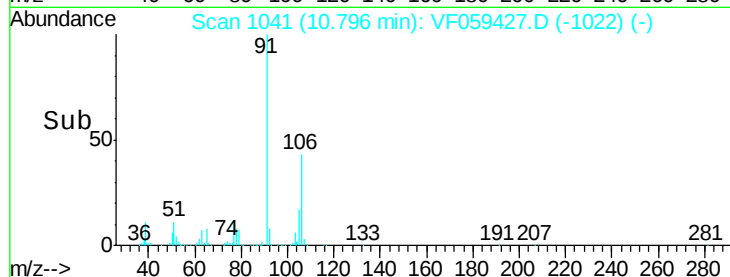
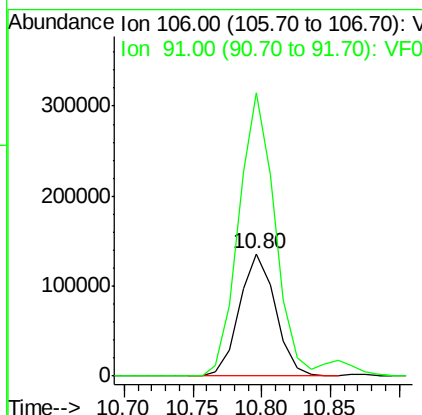
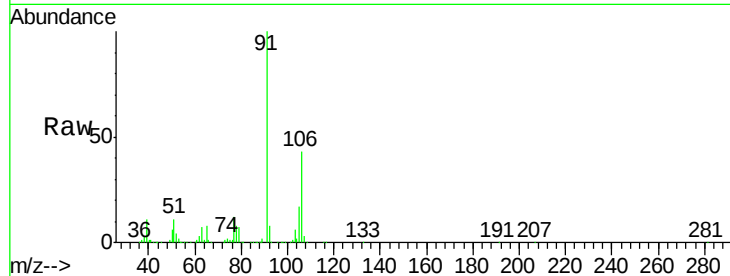
#69
o-Xylene
Concen: 49.686 ug/l
RT: 10.80 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	230.8	114.6	343.6

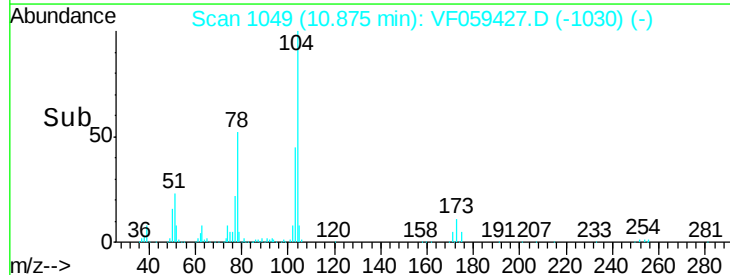
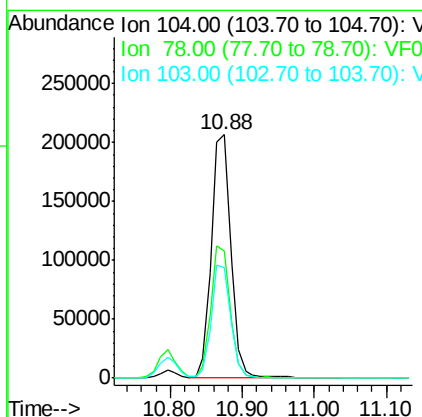
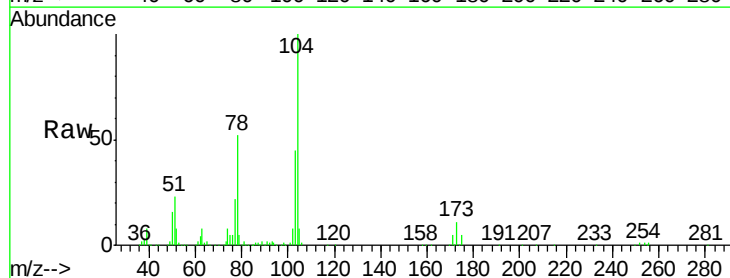
Manual Integrations
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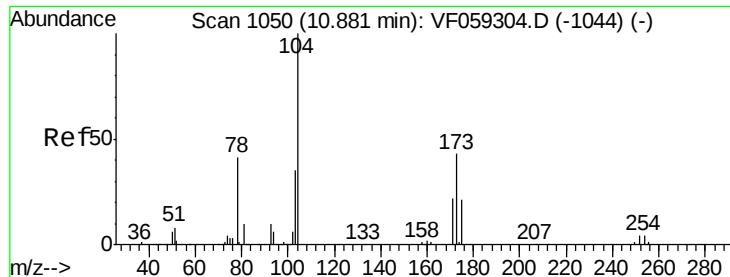
apatel
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#70
Styrene
Concen: 50.457 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.2	40.9	61.3
103	45.4	36.5	54.7





#71

Bromoform

Concen: 56.390 ug/l

RT: 10.86 min Scan# 1047

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

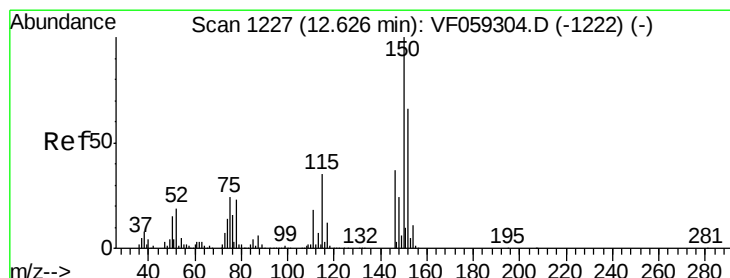
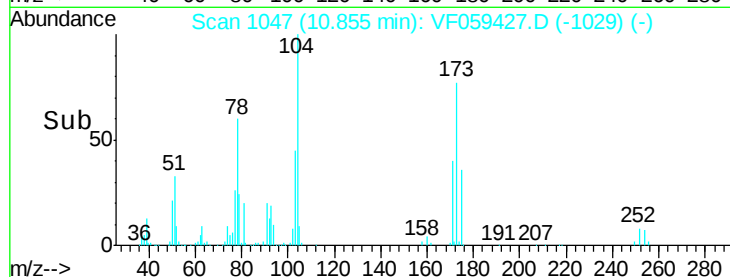
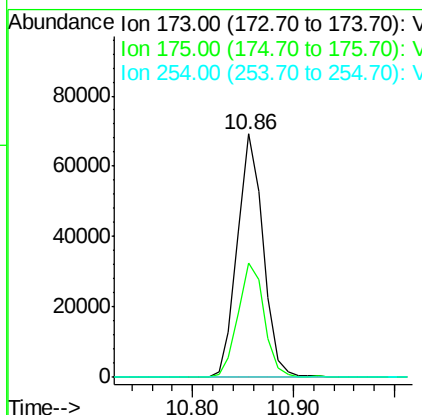
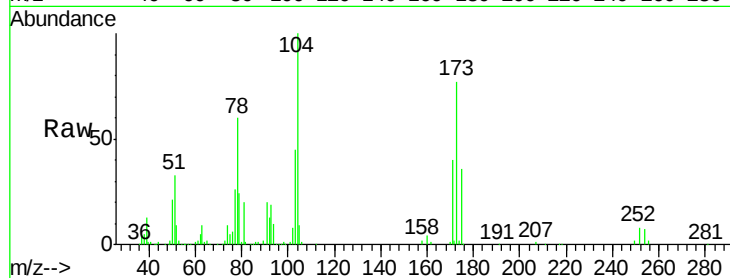
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	123790
Ion Ratio	Lower	Upper	
173	100		
175	47.4	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

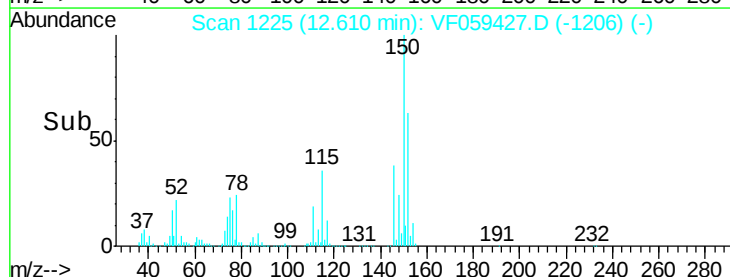
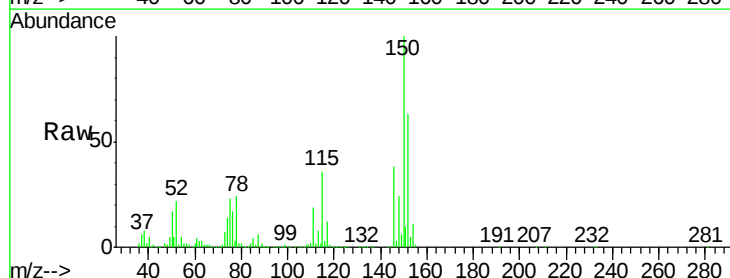
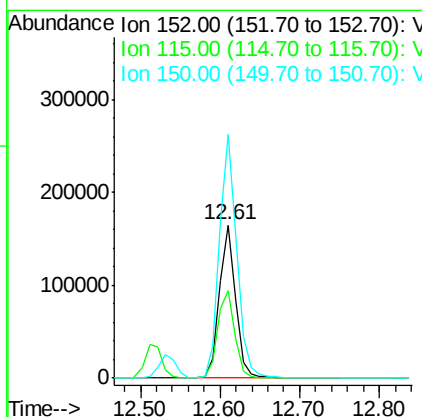
RT: 12.61 min Scan# 1225

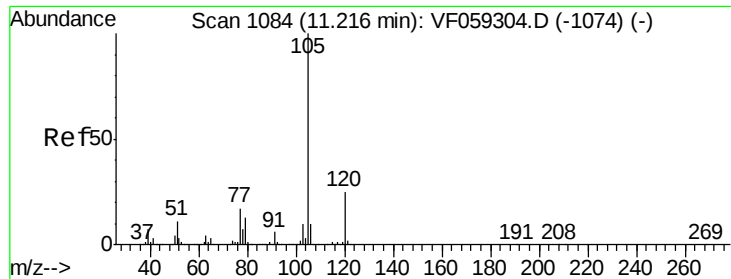
Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	152	Resp:	238379
Ion Ratio	Lower	Upper	
152	100		
115	57.1	27.1	81.3
150	159.0	0.0	305.2





#73

Isopropylbenzene

Concen: 56.773 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 788423

Ion Ratio Lower Upper

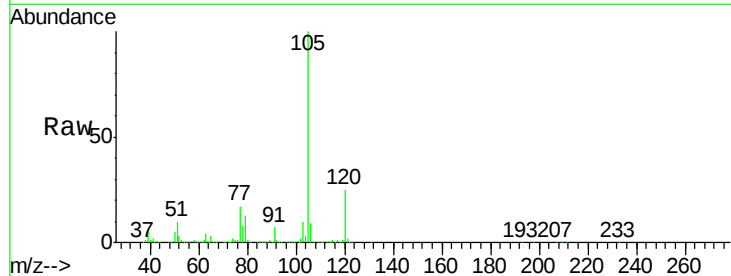
105 100

120 24.9 12.3 36.8

Manual Integrations
APPROVED

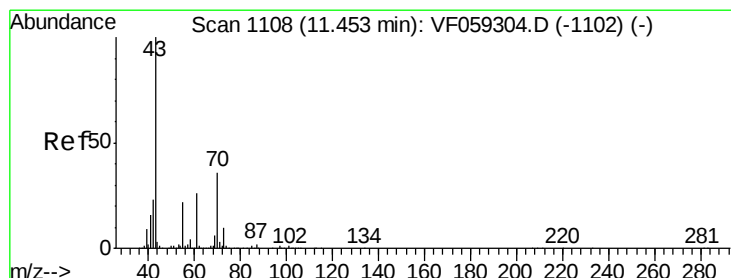
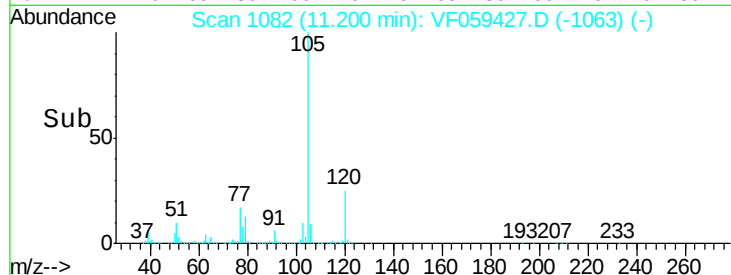
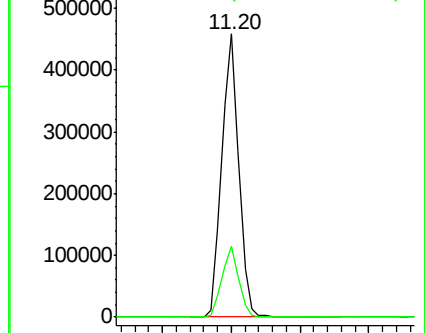
apatel

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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: 55.608 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion: 43 Resp: 280241

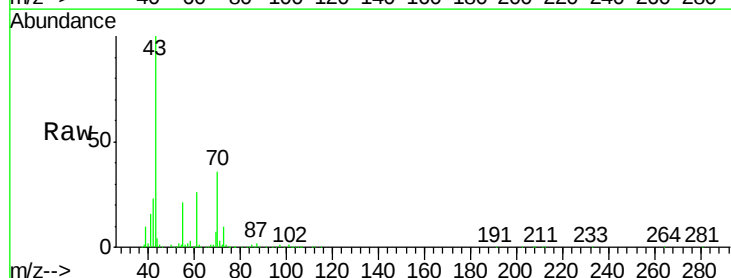
Ion Ratio Lower Upper

43 100

70 36.2 28.8 43.2

55 21.1 17.4 26.0

61 25.5 21.1 31.7

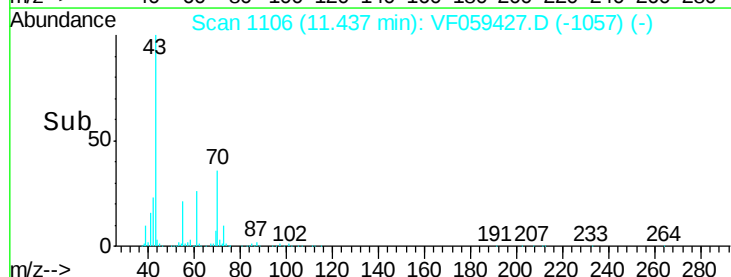
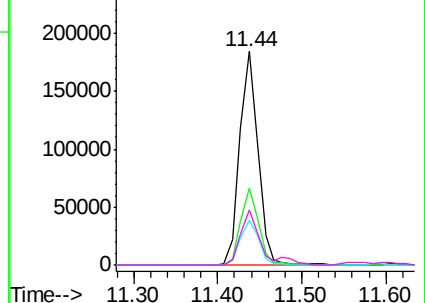


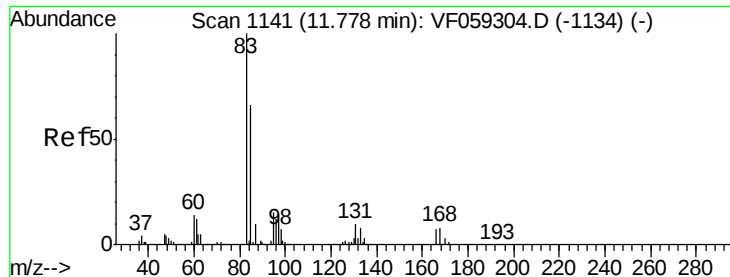
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 51.398 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

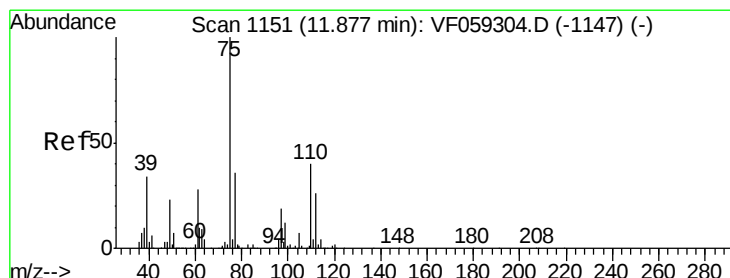
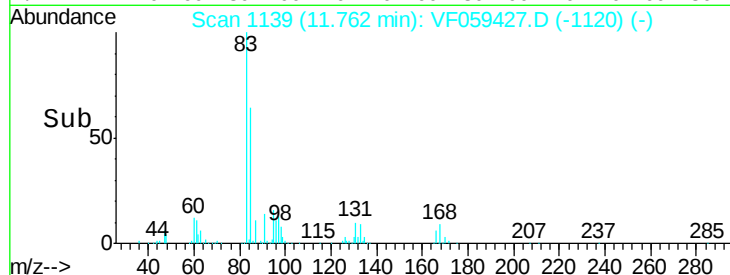
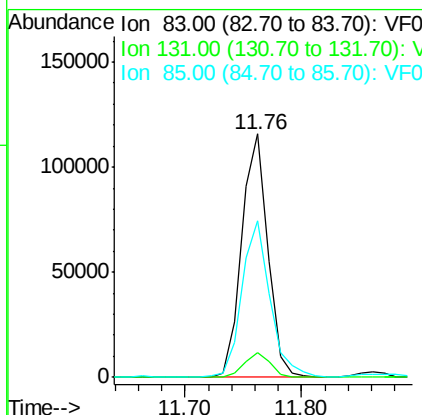
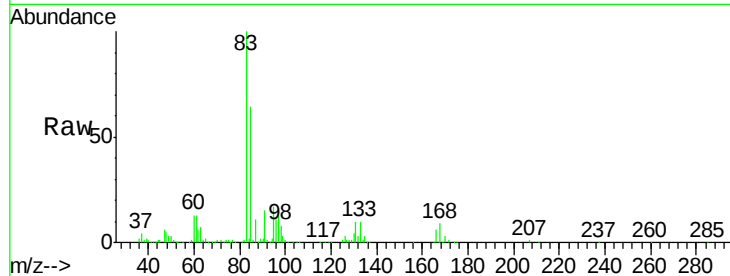
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	180268
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.6
85	64.4	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.767 ug/l

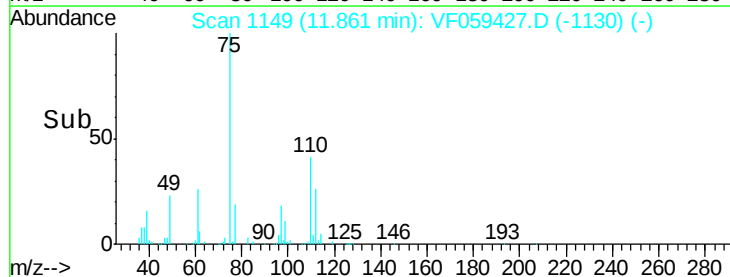
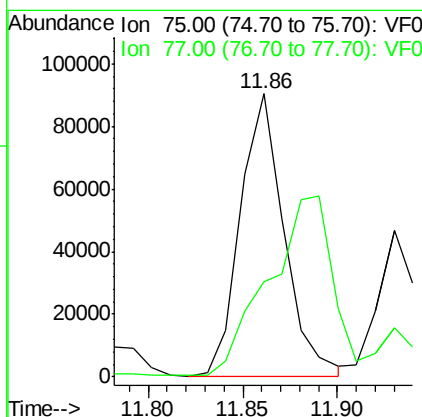
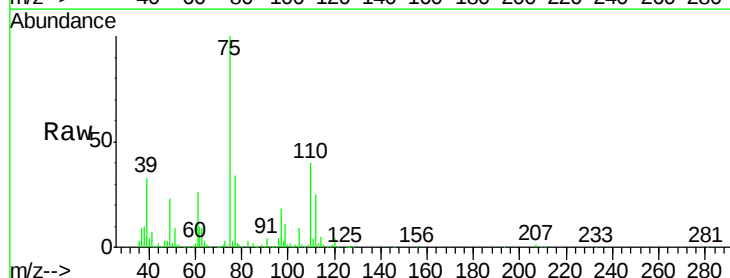
RT: 11.86 min Scan# 1149

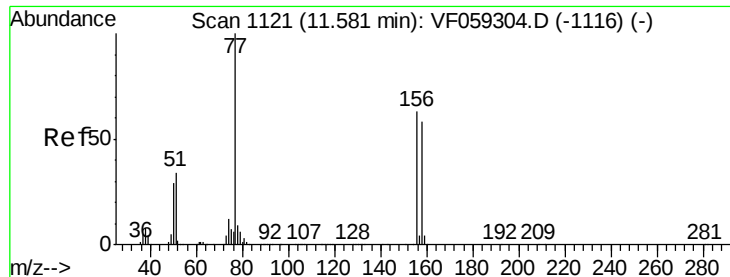
Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	75	Resp:	144895
Ion Ratio	Lower	Upper	
75	100		
77	33.6	18.0	54.0





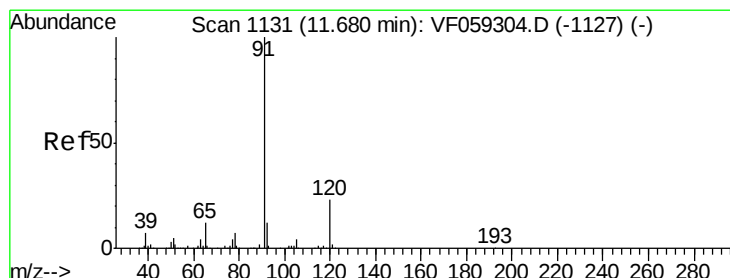
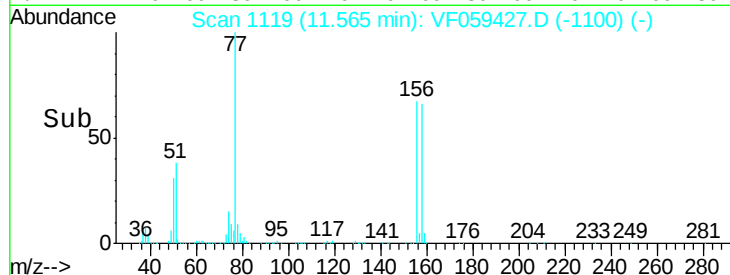
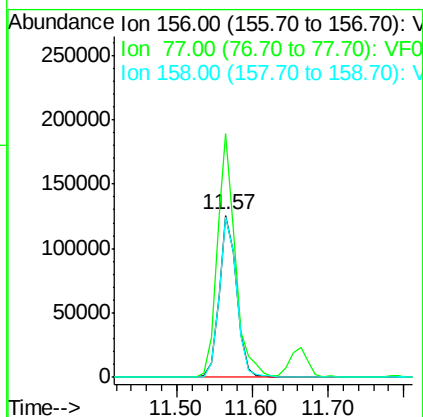
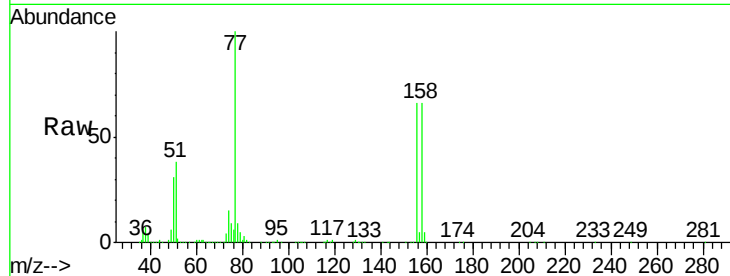
#77
Bromobenzene
Concen: 52.934 ug/l
RT: 11.57 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.5	79.7	238.9
158	98.9	46.2	138.6

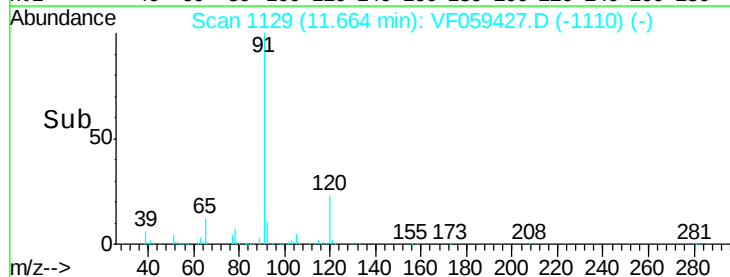
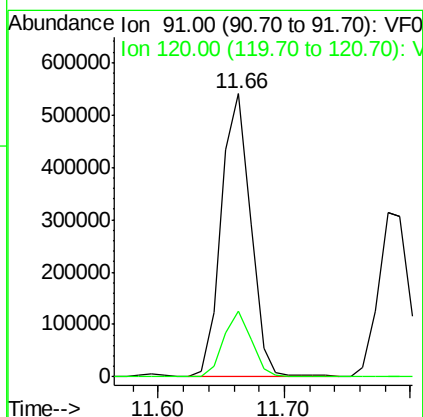
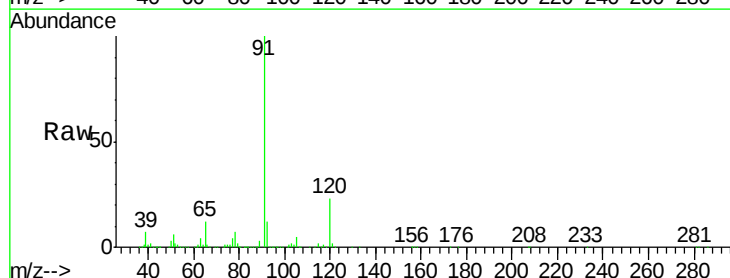
Manual Integrations
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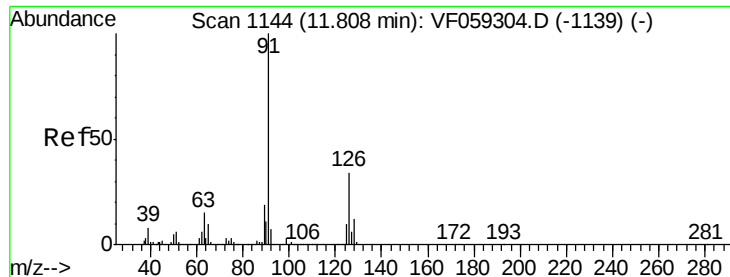
apatel
7/6/2018 10:00:26 AM



#78
n-propylbenzene
Concen: 51.982 ug/l
RT: 11.66 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.7	35.0





#79

2-Chlorotoluene

Concen: 51.904 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 528881

Ion Ratio Lower Upper

91 100

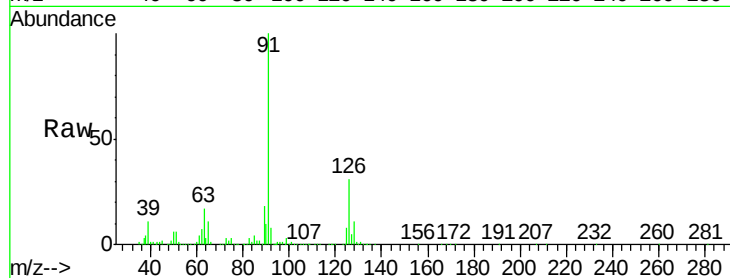
126 31.2 17.2 51.5

Manual Integrations

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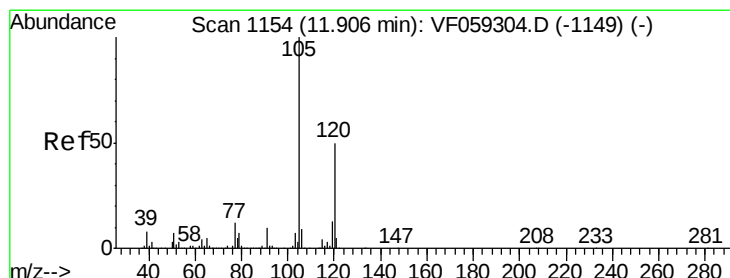
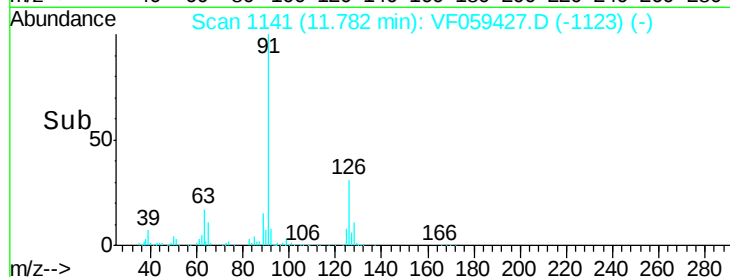
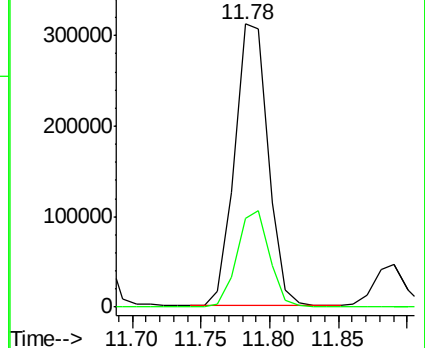
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 54.101 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VF059427.D

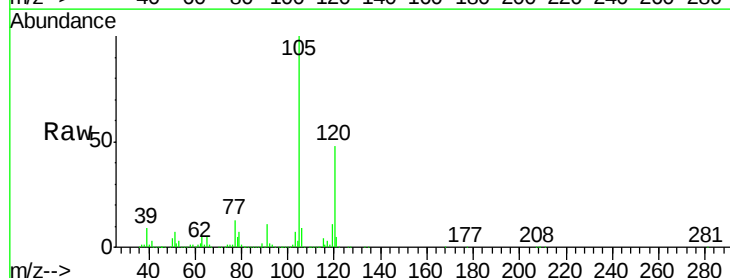
Acq: 5 Jul 2018 11:43

Tgt Ion: 105 Resp: 658128

Ion Ratio Lower Upper

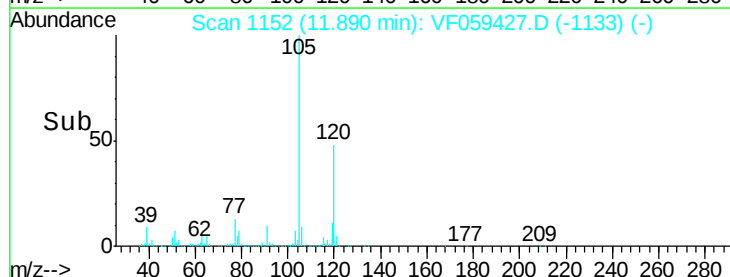
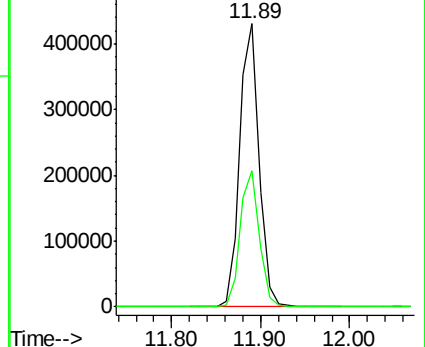
105 100

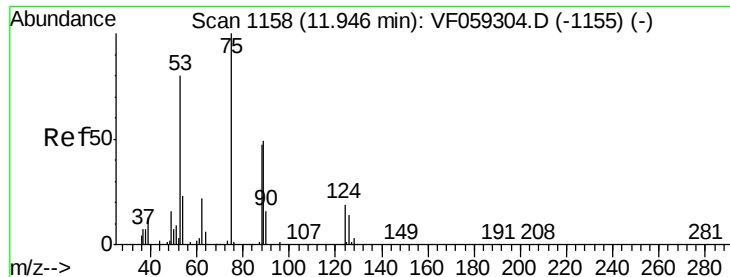
120 48.2 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.944 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 86518

Ion Ratio Lower Upper

75 100

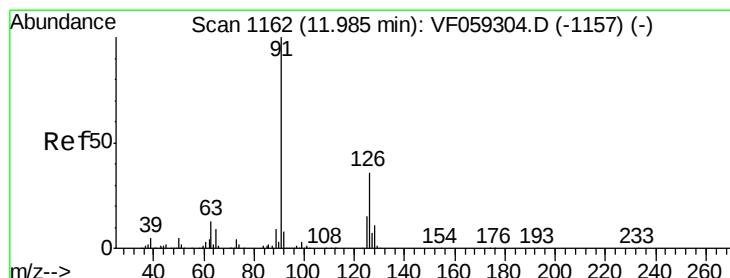
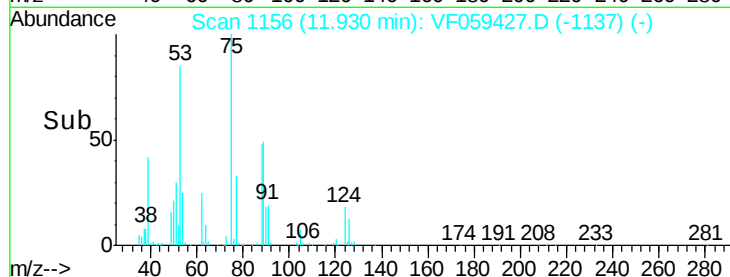
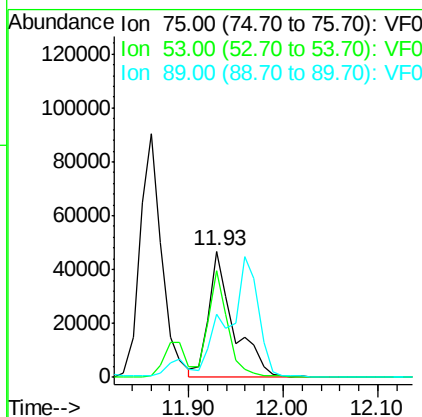
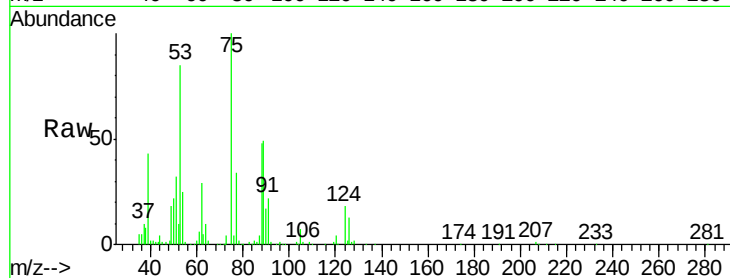
53 84.6 68.8 103.2

89 49.5 42.0 63.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.803 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.03 min

Lab File: VF059427.D

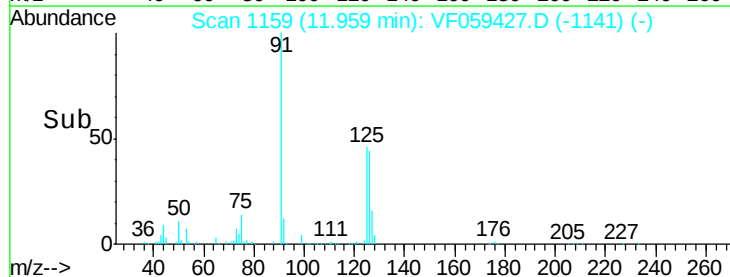
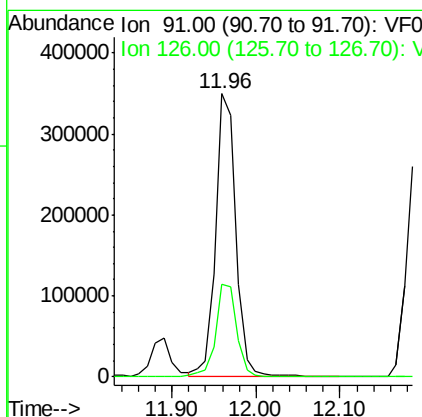
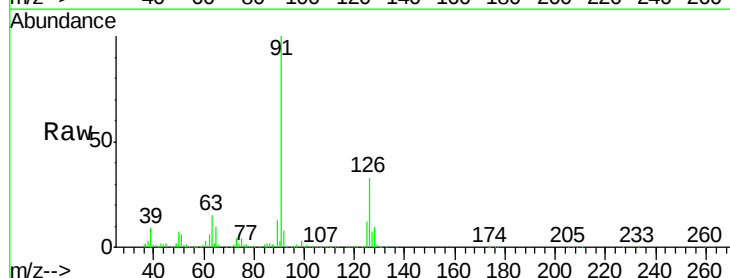
Acq: 5 Jul 2018 11:43

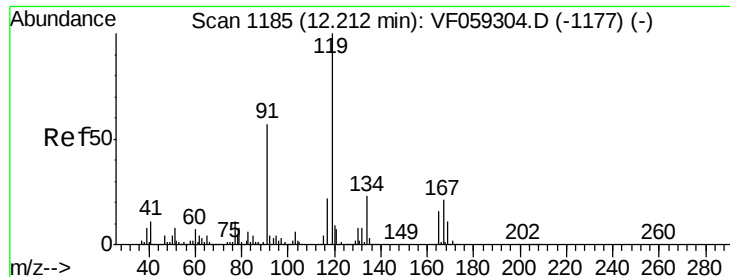
Tgt Ion: 91 Resp: 576304

Ion Ratio Lower Upper

91 100

126 32.5 18.2 54.6





#83

tert-Butylbenzene

Concen: 55.419 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.03 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

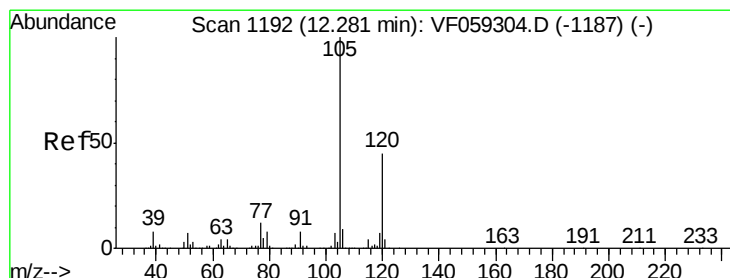
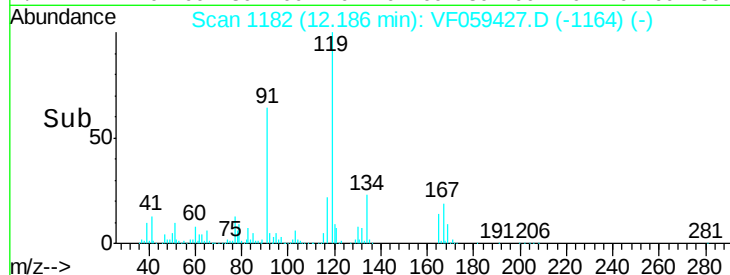
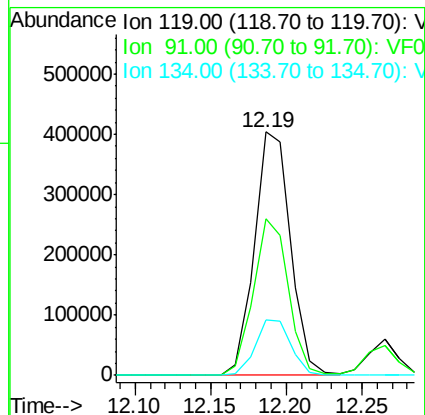
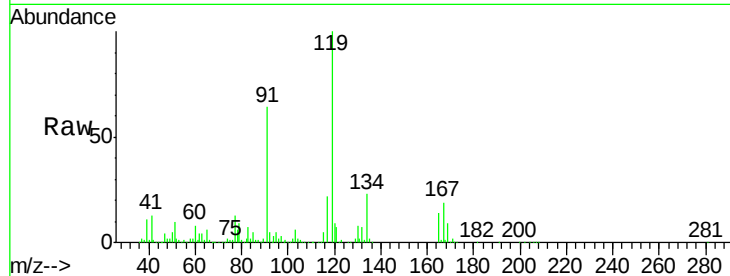
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	674276
Ion Ratio	Lower	Upper	
119	100		
91	64.5	28.4	85.2
134	22.6	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 53.345 ug/l

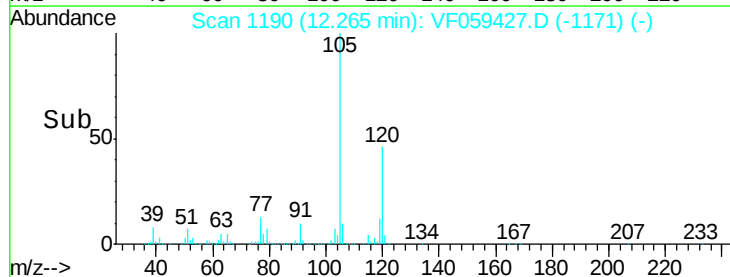
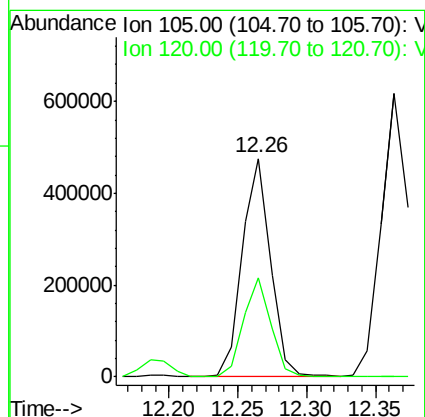
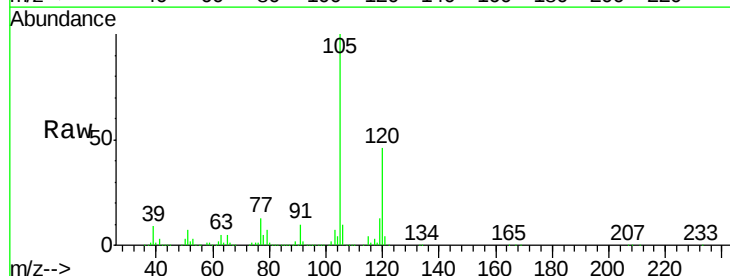
RT: 12.26 min Scan# 1190

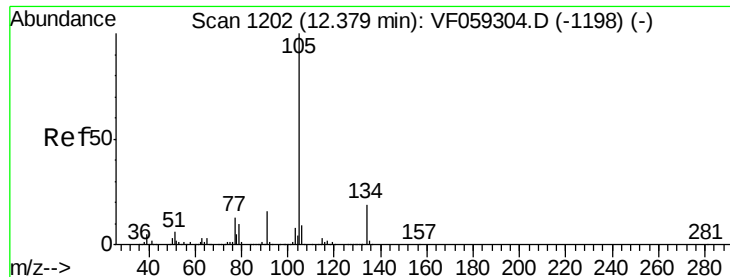
Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	105	Resp:	683442
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.8	68.4





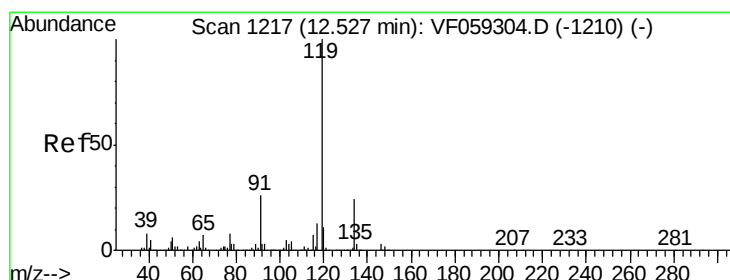
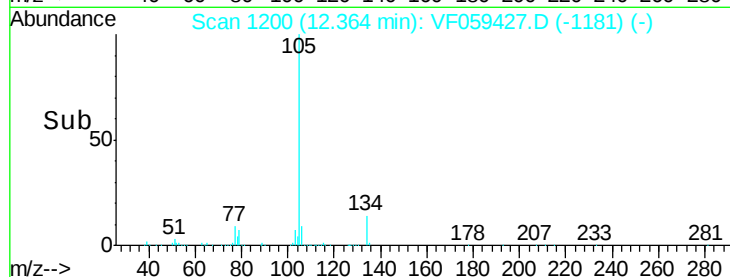
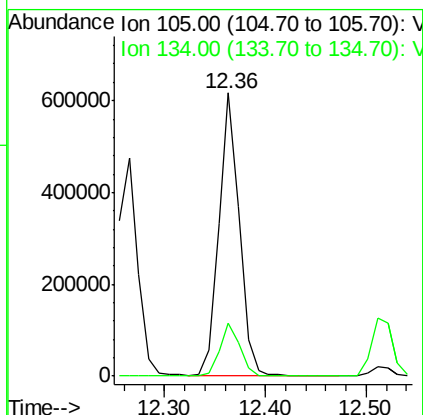
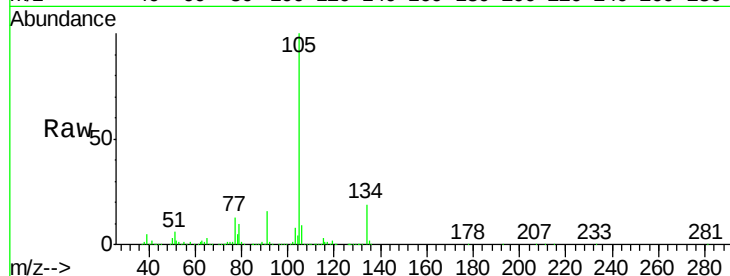
#85
 sec-Butylbenzene
 Concen: 54.247 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF059427.D
 Acq: 5 Jul 2018 11:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.4	28.3

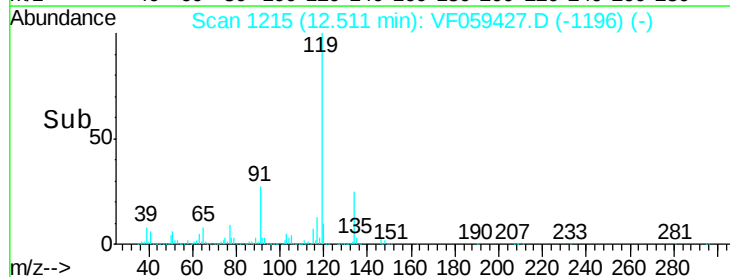
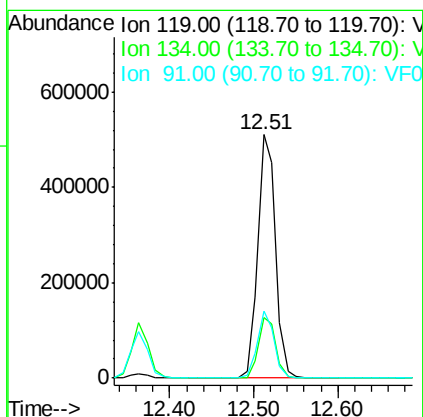
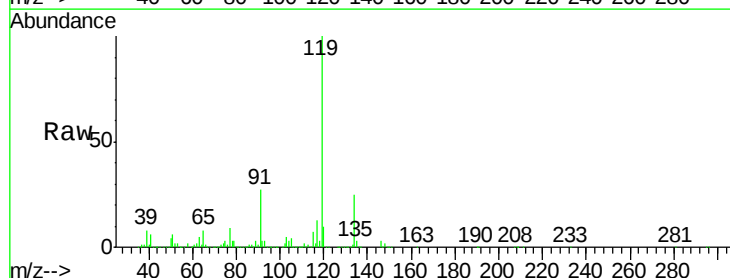
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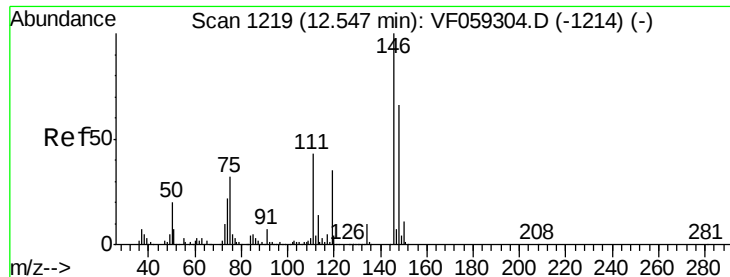
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#86
 p-Isopropyltoluene
 Concen: 56.260 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: VF059427.D
 Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.2	36.4
91	27.3	12.9	38.6





#87

1,3-Dichlorobenzene

Concen: 58.600 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

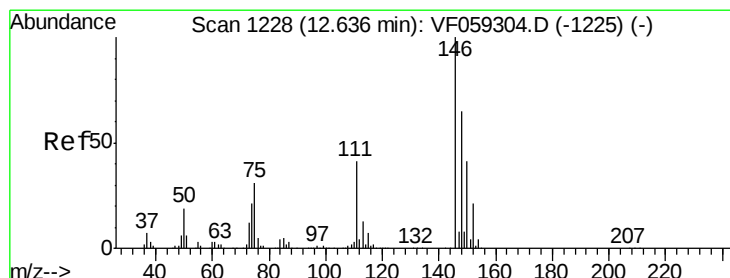
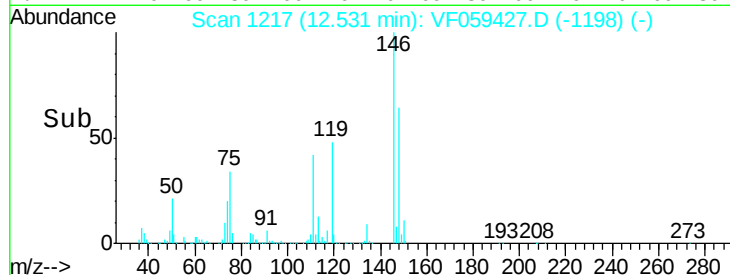
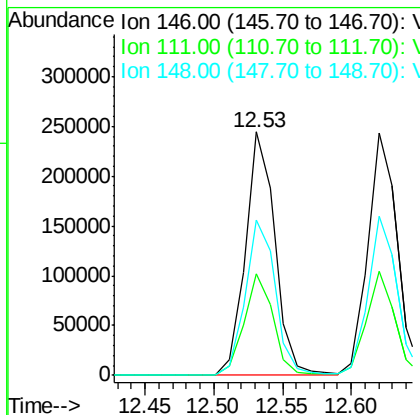
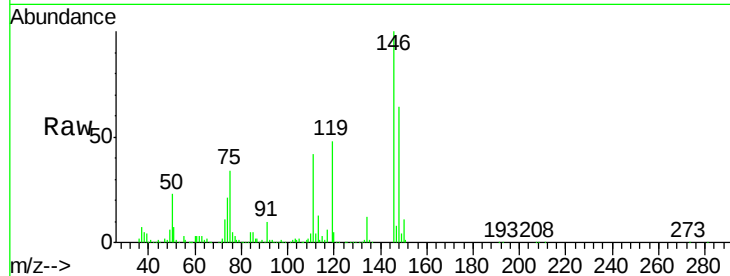
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	367740
Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.4	64.2
148	63.8	32.8	98.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 53.154 ug/l

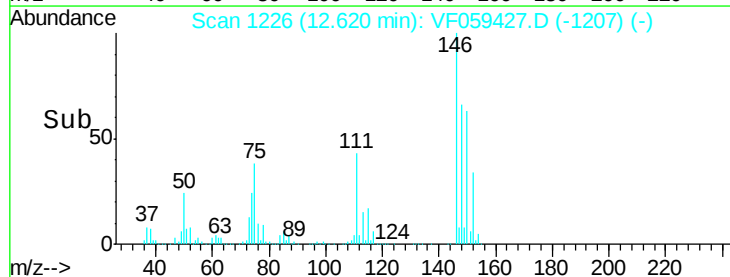
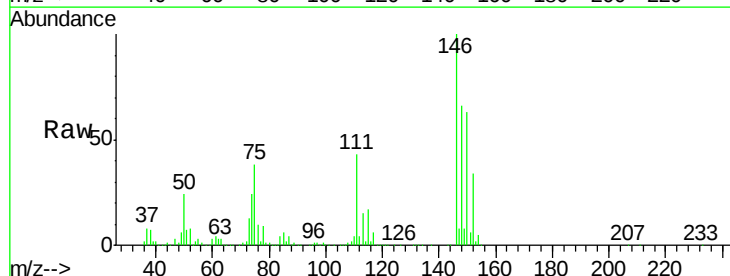
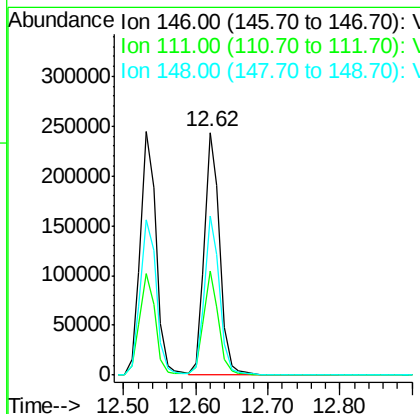
RT: 12.62 min Scan# 1226

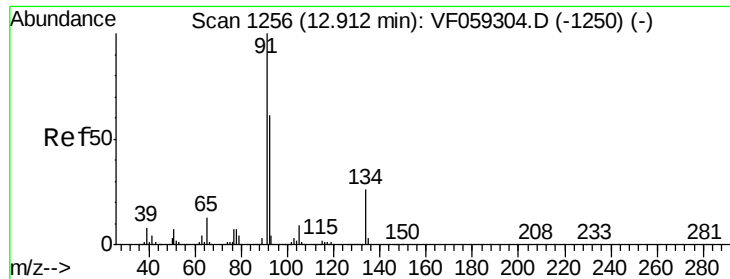
Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	146	Resp:	365744
Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.7	62.1
148	65.7	32.8	98.3





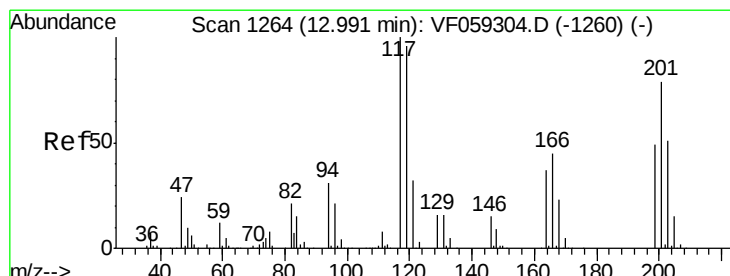
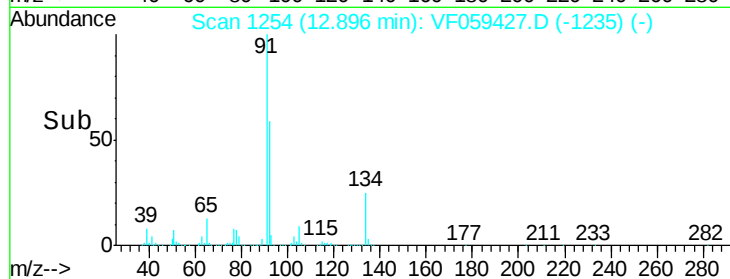
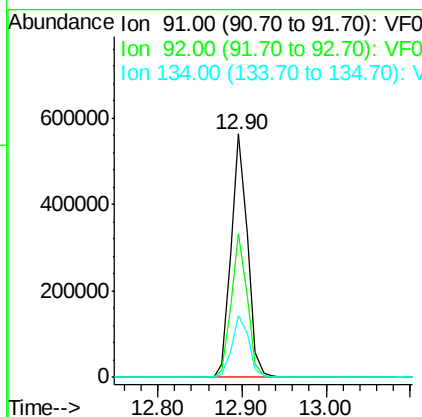
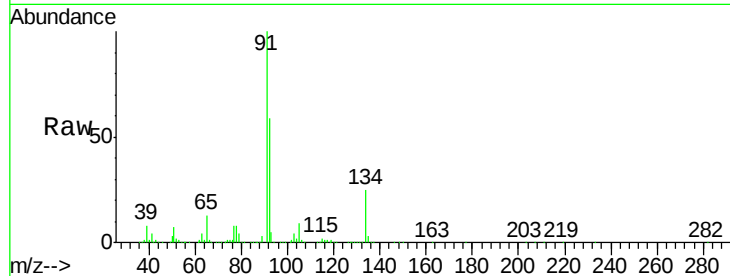
#89
n-Butylbenzene
Concen: 55.472 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.3	30.3	91.0
134	25.2	12.9	38.7

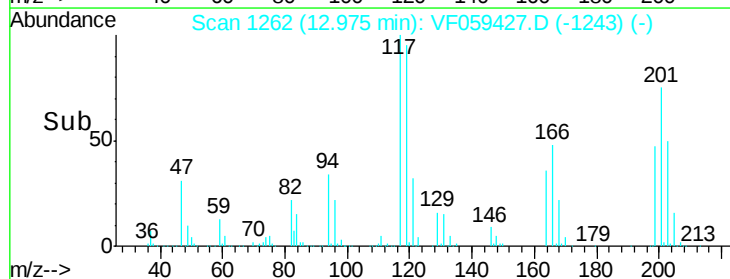
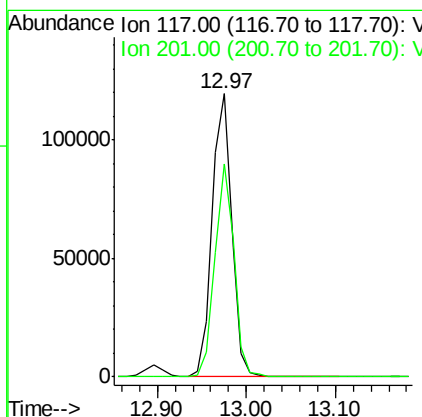
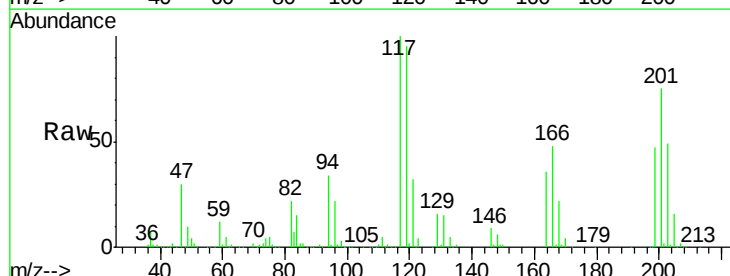
Manual Integrations
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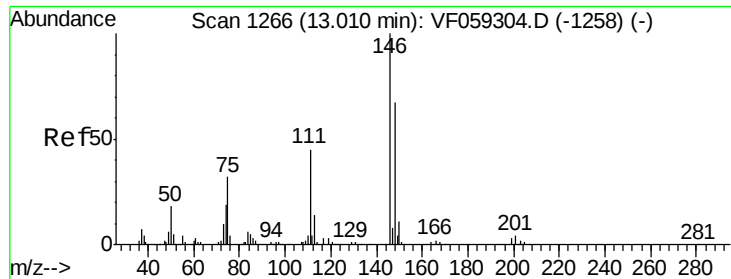
apatel
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#90
Hexachloroethane
Concen: 53.975 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF059427.D
Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	39.5	118.5





#91

1,2-Dichlorobenzene

Concen: 53.122 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

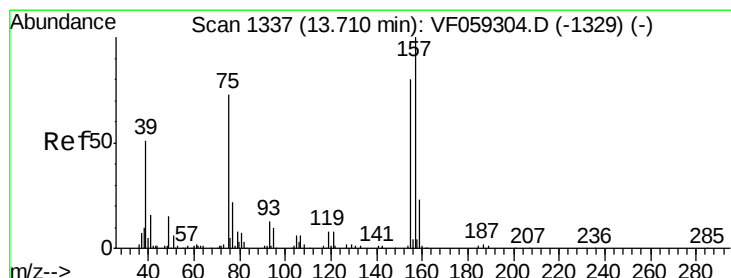
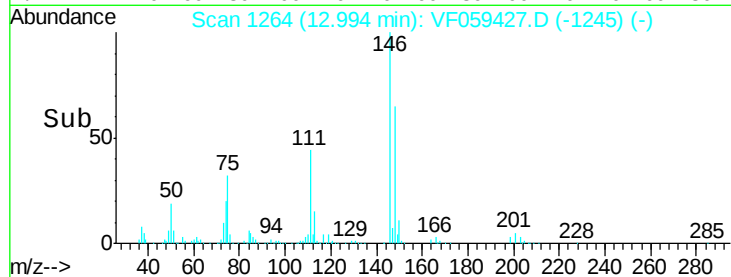
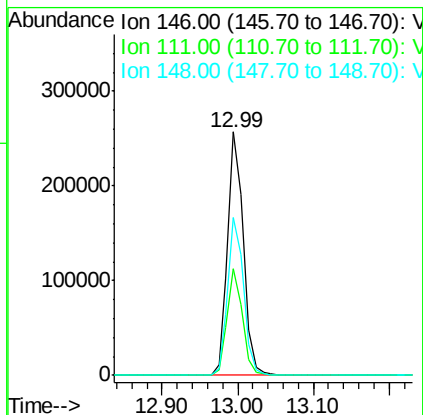
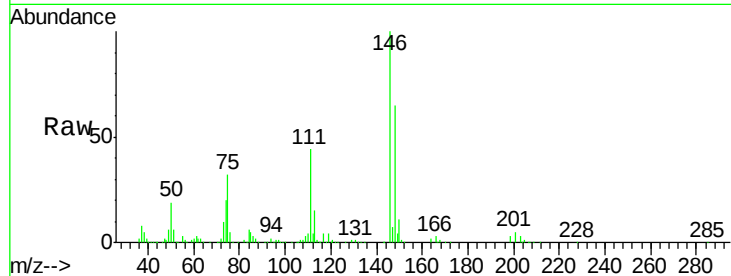
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	371570
Ion Ratio	Lower	Upper	
146	100		
111	43.7	22.7	68.0
148	64.8	33.5	100.4

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 57.704 ug/l

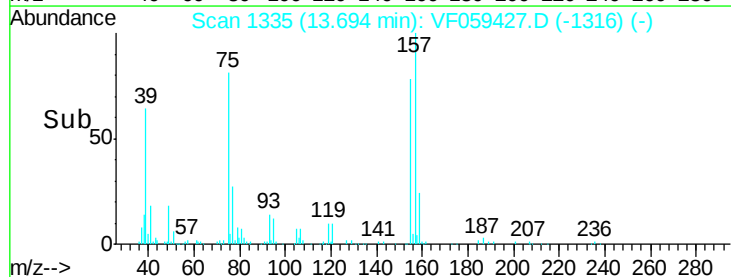
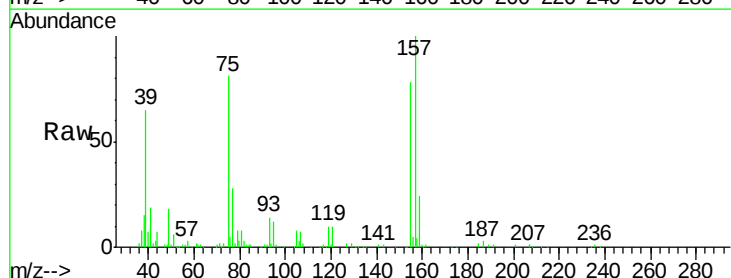
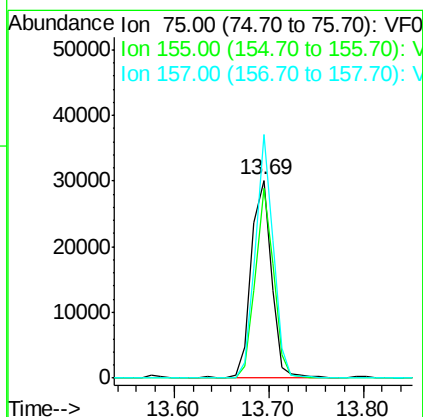
RT: 13.69 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	75	Resp:	44864
Ion Ratio	Lower	Upper	
75	100		
155	96.2	54.6	163.8
157	123.2	68.7	205.9





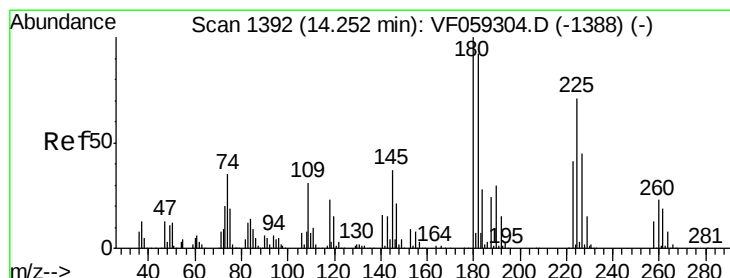
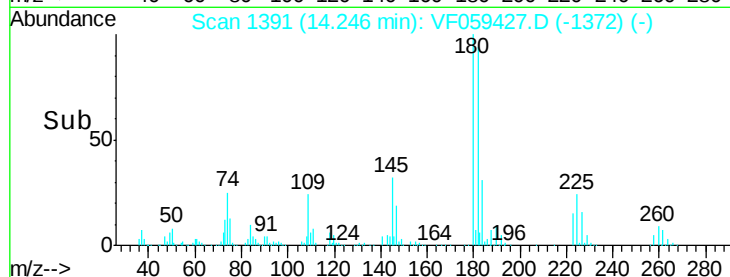
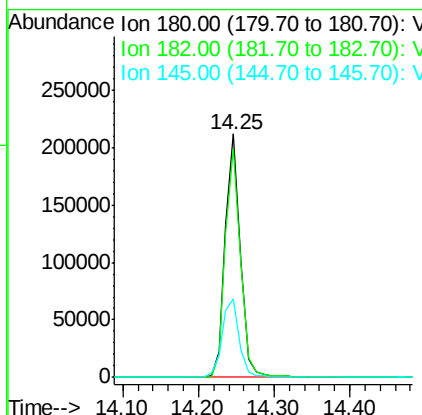
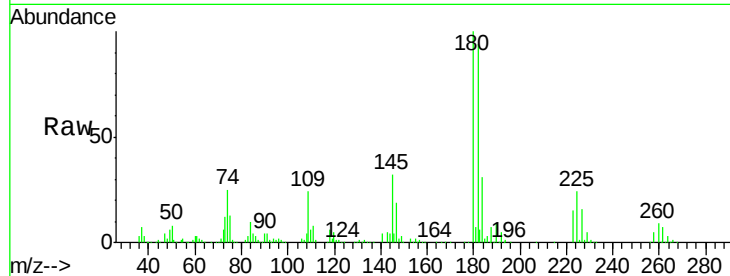
#93
 1,2,4-Trichlorobenzene
 Concen: 57.192 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.02 min
 Lab File: VF059427.D
 Acq: 5 Jul 2018 11:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	295795		
182	93.6	48.1	144.3	
145	32.4	15.3	45.8	

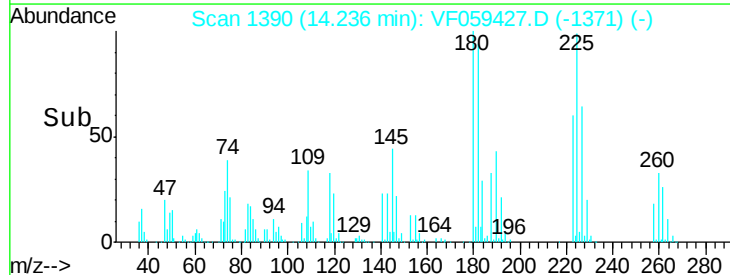
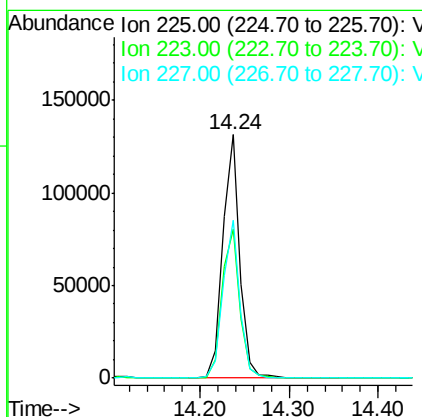
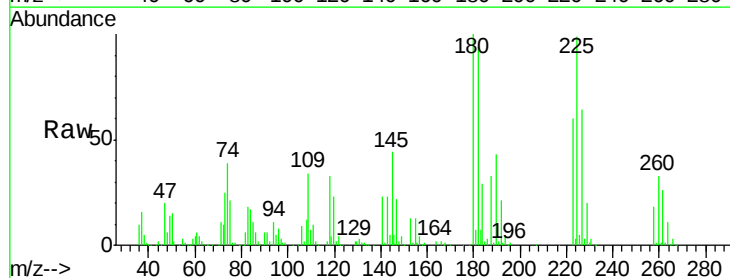
Manual Integrations
 APPROVED

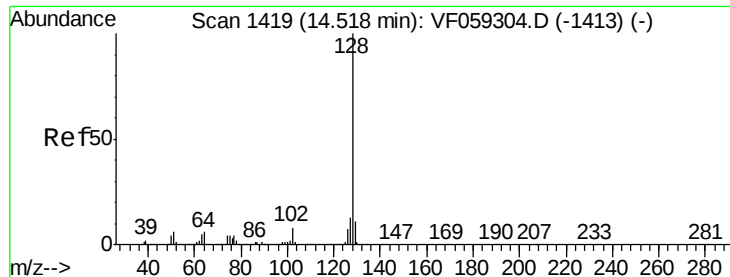
apatel
 7/6/2018 10:00:26 AM



#94
 Hexachlorobutadiene
 Concen: 61.046 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VF059427.D
 Acq: 5 Jul 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	176355		
223	61.2	28.9	86.8	
227	64.7	31.3	93.8	





#95

Naphthalene

Concen: 58.724 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Instrument :

MSVOA_F

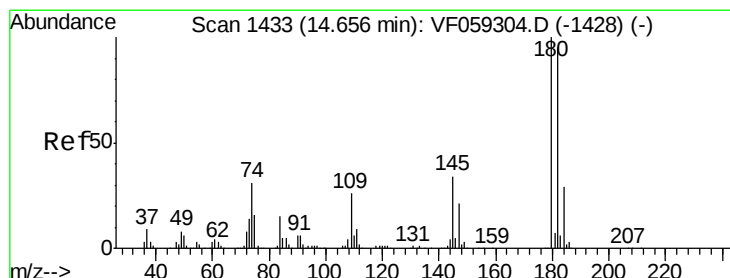
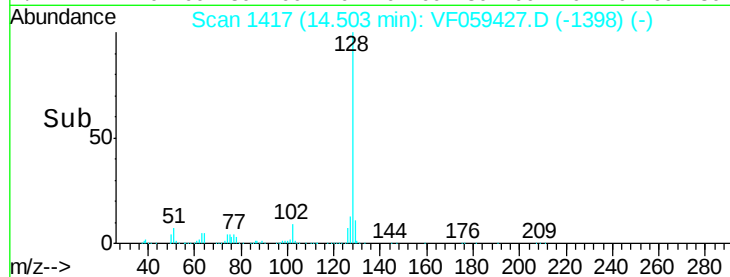
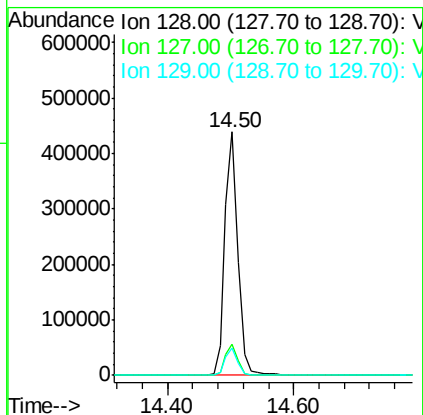
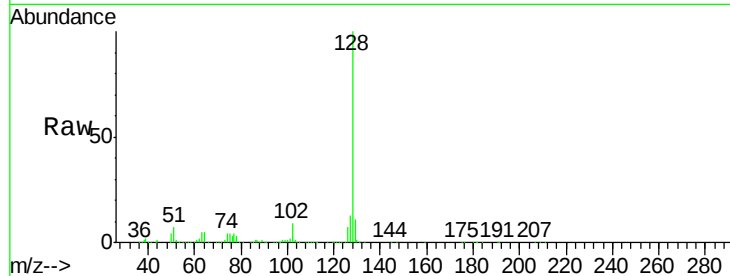
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	635462
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	11.3	8.8	13.2

Manual Integrations
APPROVED

apatel
7/6/2018 10:00:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 58.973 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VF059427.D

Acq: 5 Jul 2018 11:43

Tgt Ion:	180	Resp:	288938
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.5	142.5
145	29.6	17.0	50.9

