

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
 Data File : VF059430.D
 Acq On : 5 Jul 2018 13:25
 Operator : VA/AP
 Sample : VF0705SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0705SBSD01

Manual Integrations
 APPROVED

apatel
 7/6/2018 10:00:39 AM

Quant Time: Jul 06 05:32:01 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	264669	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.73	114	373104	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	392450	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	247111	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	147962	43.27	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	86.54%	
35) Dibromofluoromethane	4.26	113	138076	50.65	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.30%	
50) Toluene-d8	7.68	98	306276	45.38	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	90.76%	
62) 4-Bromofluorobenzene	11.49	95	186649	49.02	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	98.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	50163	20.745	ug/l	95
3) Chloromethane	1.08	50	28614	17.614	ug/l	100
4) Vinyl Chloride	1.13	62	32650	20.418	ug/l	99
5) Bromomethane	1.33	94	19416	18.486	ug/l	96
6) Chloroethane	1.42	64	14150	17.569	ug/l #	78
7) Trichlorofluoromethane	1.48	101	61684m	19.507	ug/l	
8) Diethyl Ether	1.69	74	14923	18.406	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.88	101	42028	22.770	ug/l	94
10) Methyl Iodide	1.95	142	65588	19.486	ug/l	96
11) Tert butyl alcohol	2.68	59	19841	87.157	ug/l	100
12) 1,1-Dichloroethene	1.84	96	34221	21.931	ug/l	96
13) Acrolein	2.08	56	9214	71.044	ug/l	92
14) Allyl chloride	2.17	41	62231	21.246	ug/l	97
15) Acrylonitrile	3.05	53	41780	104.220	ug/l	96
16) Acetone	2.32	43	93014	102.914	ug/l	98
17) Carbon Disulfide	1.85	76	65896	17.953	ug/l	98
18) Methyl Acetate	2.43	43	30142	18.804	ug/l #	92
19) Methyl tert-butyl Ether	2.52	73	120491	20.702	ug/l	93
20) Methylene Chloride	2.25	84	41097m	16.476	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	35709	21.453	ug/l	90
22) Diisopropyl ether	2.91	45	139970	21.579	ug/l	97
23) Vinyl Acetate	3.30	43	434452	105.173	ug/l	99
24) 1,1-Dichloroethane	2.97	63	89360	22.220	ug/l	98
25) 2-Butanone	4.48	43	109886	104.631	ug/l #	91
26) 2,2-Dichloropropane	3.72	77	60864	21.943	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	51384	20.332	ug/l	82
28) Bromochloromethane	3.85	49	39203	23.101	ug/l	97
29) Tetrahydrofuran	4.22	42	44988	96.862	ug/l	97
30) Chloroform	4.00	83	128634	22.095	ug/l	98
31) Cyclohexane	3.83	56	51568	19.574	ug/l #	95
32) 1,1,1-Trichloroethane	4.24	97	93632	21.977	ug/l	97
36) 1,1-Dichloropropene	4.42	75	77961	23.919	ug/l	99
37) Ethyl Acetate	4.26	43	50000	23.187	ug/l #	91
38) Carbon Tetrachloride	4.14	117	99805	24.264	ug/l	96

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Manual Integrations
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apatel
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 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)
39) Methylcyclohexane	5.59	83	65214	22.579	ug/l	93
40) Benzene	4.78	78	167090	23.121	ug/l	99
41) Methacrylonitrile	4.89	41	21753	19.565	ug/l #	85
42) 1,2-Dichloroethane	5.08	62	96599	22.875	ug/l	97
43) Isopropyl Acetate	7.08	43	53686	19.775	ug/l #	82
44) Trichloroethene	5.64	130	55173	22.256	ug/l	98
45) 1,2-Dichloropropane	6.37	63	46111	22.333	ug/l	94
46) Dibromomethane	6.22	93	40894	22.819	ug/l	94
47) Bromodichloromethane	6.51	83	98019	22.595	ug/l	97
48) Methyl methacrylate	6.84	41	38039	20.905	ug/l	98
49) 1,4-Dioxane	6.85	88	3970	382.654	ug/l #	73
51) 4-Methyl-2-Pentanone	8.38	43	223982	111.360	ug/l	99
52) Toluene	7.75	92	115223	21.308	ug/l	100
53) t-1,3-Dichloropropene	8.40	75	90368	22.854	ug/l	97
54) cis-1,3-Dichloropropene	7.42	75	96536	22.476	ug/l	94
55) 1,1,2-Trichloroethane	8.60	97	44507	21.198	ug/l	90
56) Ethyl methacrylate	8.73	69	53537	20.584	ug/l	100
57) 1,3-Dichloropropane	8.97	76	79392	22.048	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.75	63	23065	118.243	ug/l	100
59) 2-Hexanone	9.60	43	187807	115.178	ug/l	97
60) Dibromochloromethane	8.83	129	73498	22.675	ug/l	99
61) 1,2-Dibromoethane	9.11	107	55062	21.624	ug/l	99
64) Tetrachloroethene	8.27	164	54233	21.307	ug/l	95
65) Chlorobenzene	9.91	112	152561	20.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	70979	22.567	ug/l	97
67) Ethyl Benzene	10.01	91	270193	21.901	ug/l	99
68) m/p-Xylenes	10.24	106	185648	42.279	ug/l	99
69) o-Xylene	10.80	106	109003	22.194	ug/l	97
70) Styrene	10.88	104	158924	21.242	ug/l	97
71) Bromoform	10.86	173	45885	21.285	ug/l	98
73) Isopropylbenzene	11.21	105	318072	22.094	ug/l	99
74) N-amyl acetate	11.44	43	110870	21.223	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	74167	20.399	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	55195	20.125	ug/l	98
77) Bromobenzene	11.57	156	82271	20.598	ug/l	89
78) n-propylbenzene	11.67	91	376264	21.763	ug/l	99
79) 2-Chlorotoluene	11.79	91	231321	21.900	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	265064	21.019	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.93	75	34239	20.975	ug/l	93
82) 4-Chlorotoluene	11.96	91	250927	22.179	ug/l	91
83) tert-Butylbenzene	12.19	119	289913	22.986	ug/l	92
84) 1,2,4-Trimethylbenzene	12.27	105	290573	21.879	ug/l	97
85) sec-Butylbenzene	12.37	105	373934	22.367	ug/l	98
86) p-Isopropyltoluene	12.52	119	333878	23.797	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	164310	22.376	ug/l	96
88) 1,4-Dichlorobenzene	12.62	146	152797	21.421	ug/l	98
89) n-Butylbenzene	12.90	91	333017	23.381	ug/l	97
90) Hexachloroethane	12.98	117	82639	23.633	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	164133	22.636	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17054	21.160	ug/l	80

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBSD01

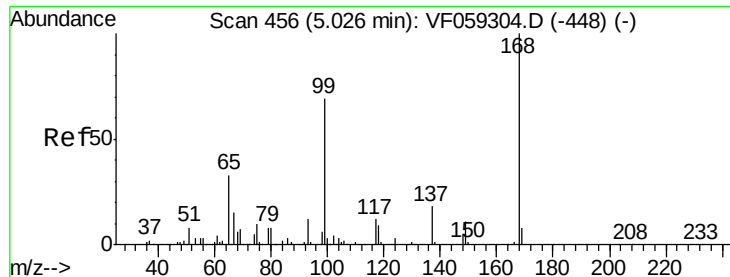
Manual Integrations
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7/6/2018 10:00:39 AM

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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)
93) 1,2,4-Trichlorobenzene	14.25	180	121813	22.720	ug/l	97
94) Hexachlorobutadiene	14.24	225	73717	24.616	ug/l	97
95) Naphthalene	14.51	128	241663	21.543	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	116634	22.964	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBSD01

Tot Ion:168 Resp: 264669

Ion Ratio Lower Upper

168 100

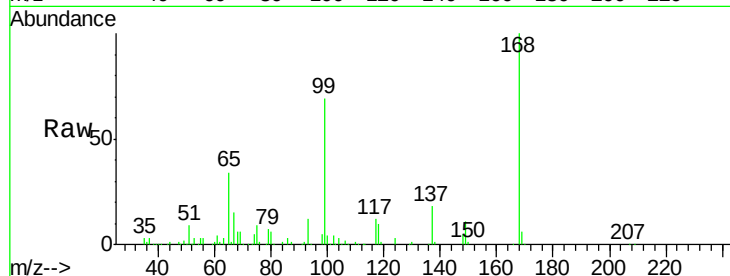
99 68.5 54.9 82.3

Manual Integrations

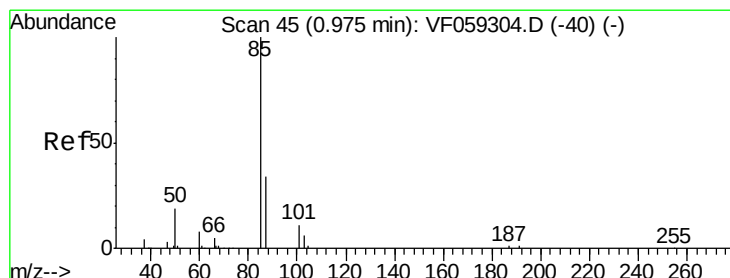
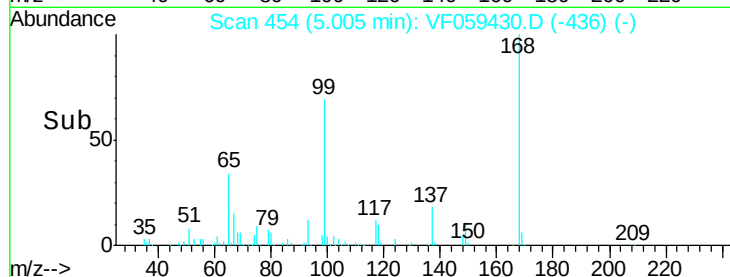
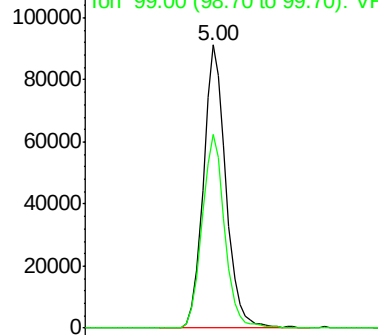
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.745 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059430.D

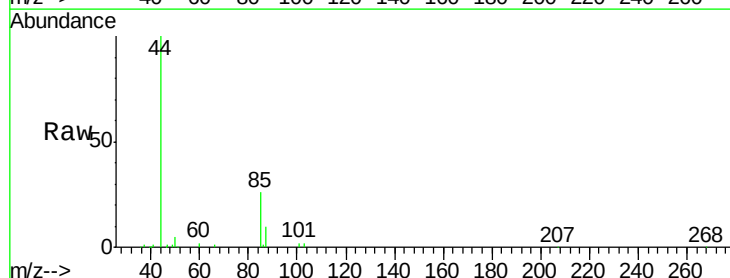
Acq: 5 Jul 2018 13:25

Tgt Ion: 85 Resp: 50163

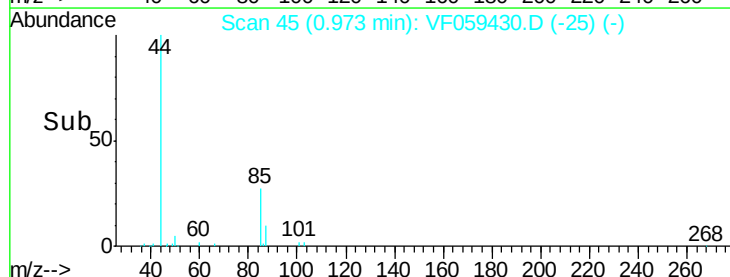
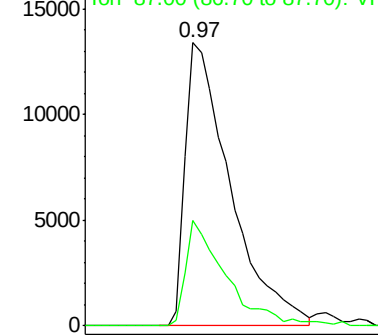
Ion Ratio Lower Upper

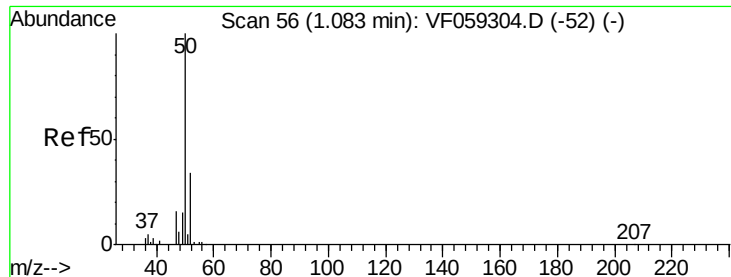
85 100

87 37.1 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 17.614 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBSD01

Tot Ion: 50 Resp: 28614

Ion Ratio Lower Upper

50 100

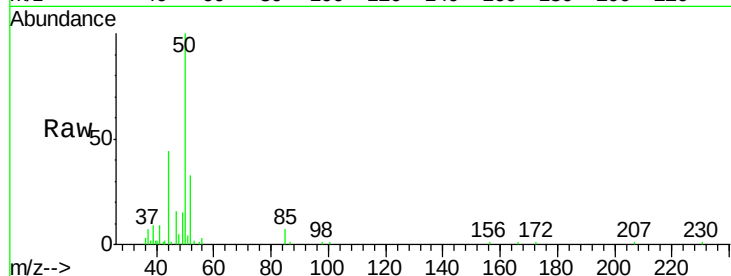
52 33.1 26.7 40.1

Manual Integrations

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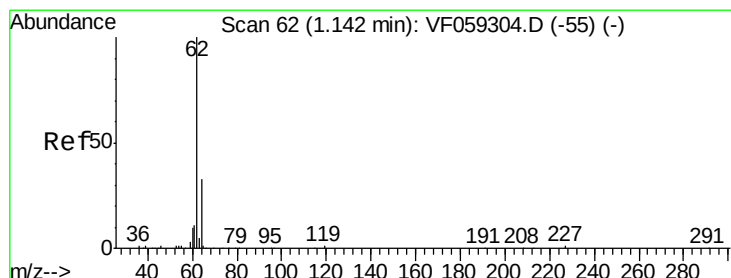
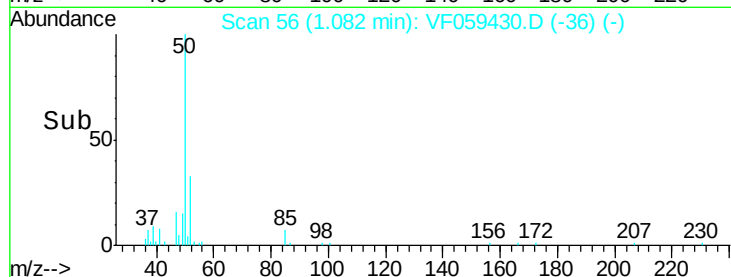
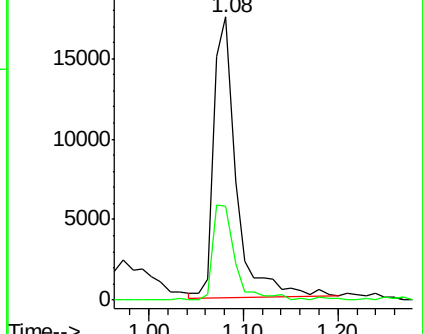
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 20.418 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059430.D

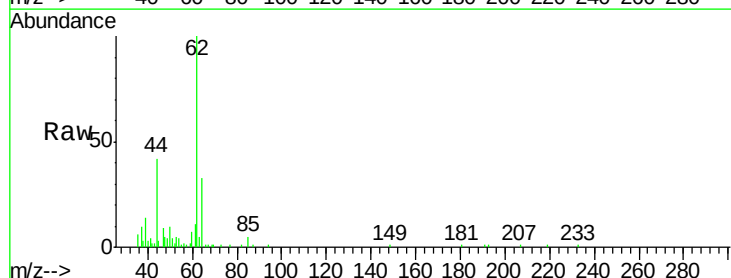
Acq: 5 Jul 2018 13:25

Tgt Ion: 62 Resp: 32650

Ion Ratio Lower Upper

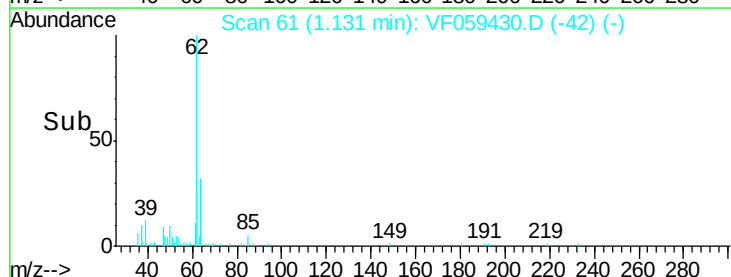
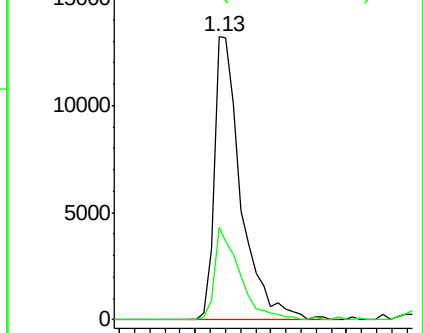
62 100

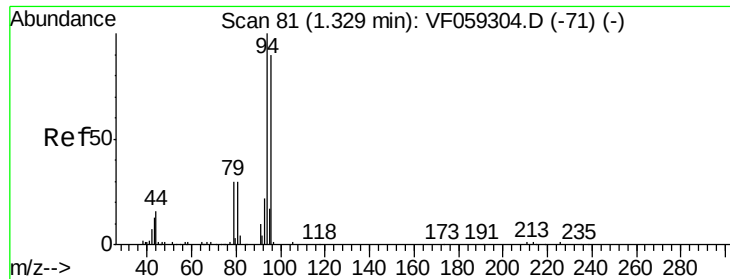
64 32.6 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 18.486 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBSD01

Tot Ion: 94 Resp: 19416

Ion Ratio Lower Upper

94 100

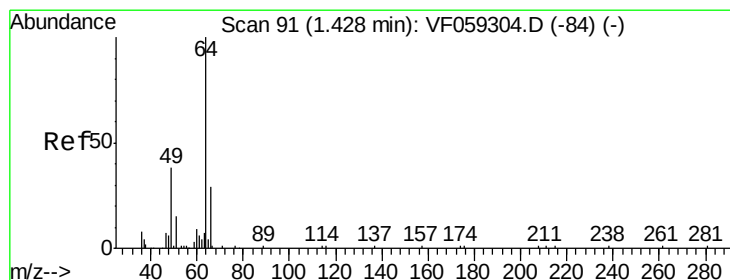
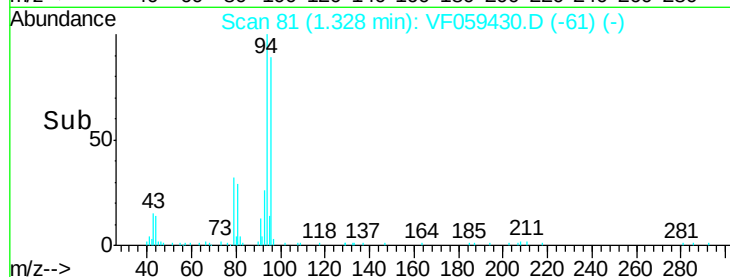
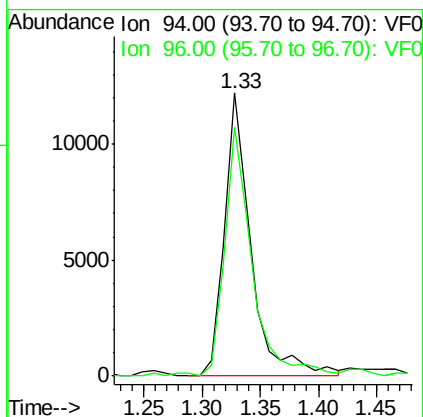
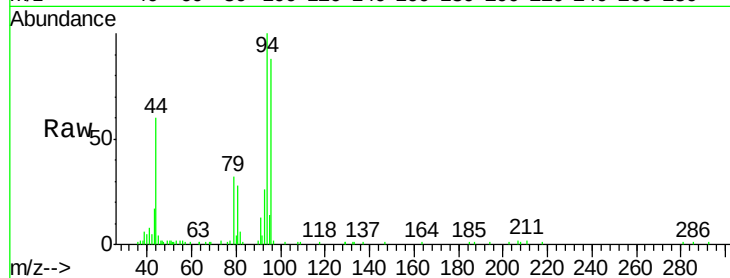
96 88.1 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 17.569 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059430.D

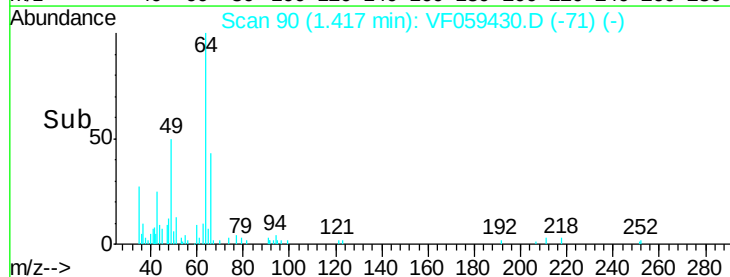
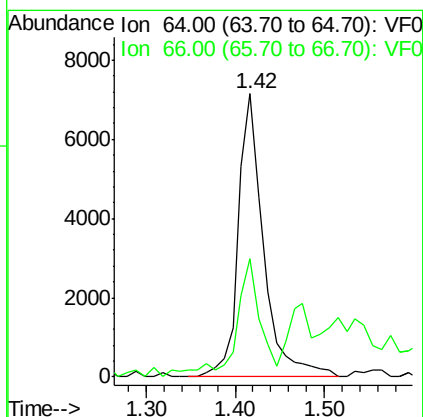
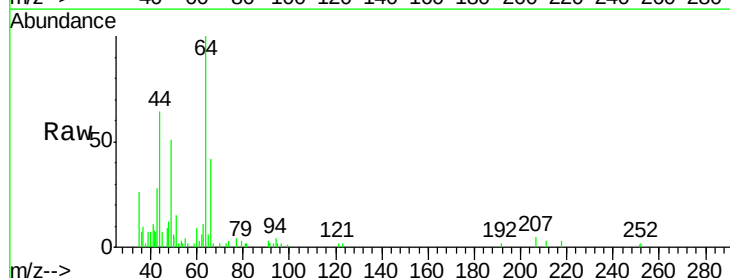
Acq: 5 Jul 2018 13:25

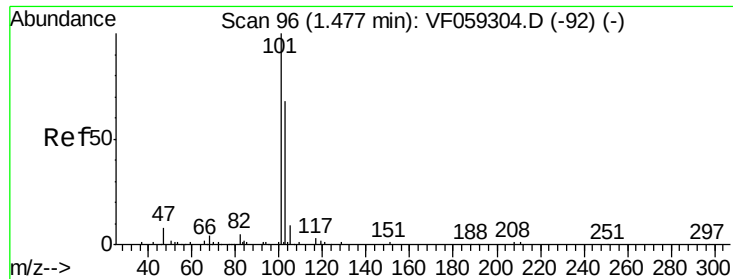
Tgt Ion: 64 Resp: 14150

Ion Ratio Lower Upper

64 100

66 41.6 23.9 35.9#





#7

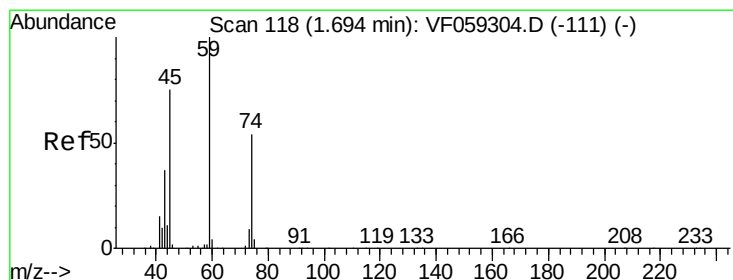
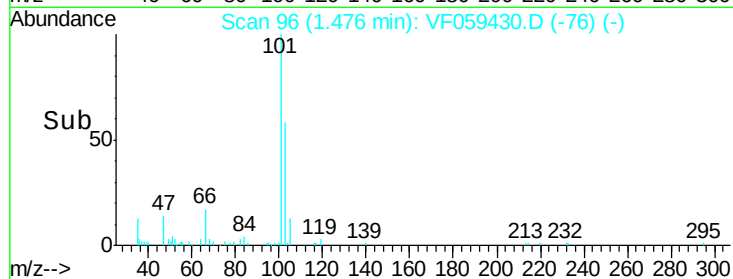
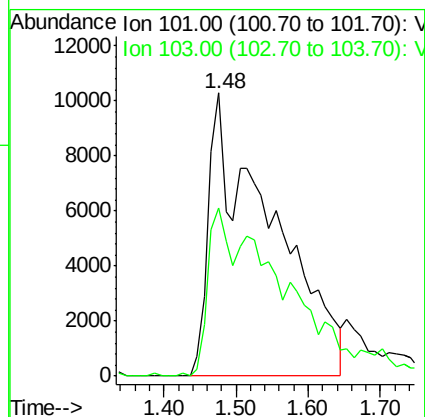
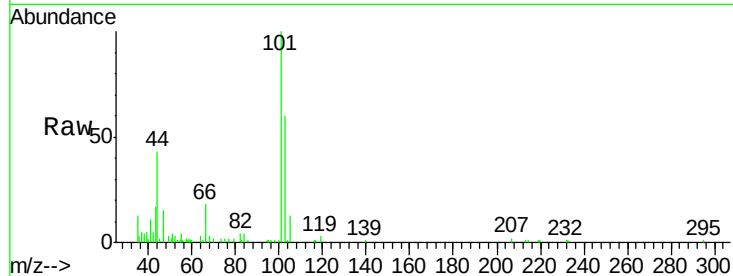
Trichlorofluoromethane
Concen: 19.507 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.00 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBSD01

Tot Ion:101 Resp: 61684
Ion Ratio Lower Upper
101 100
103 59.5 54.2 81.2

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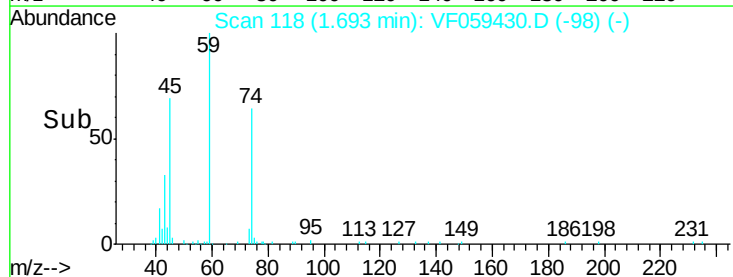
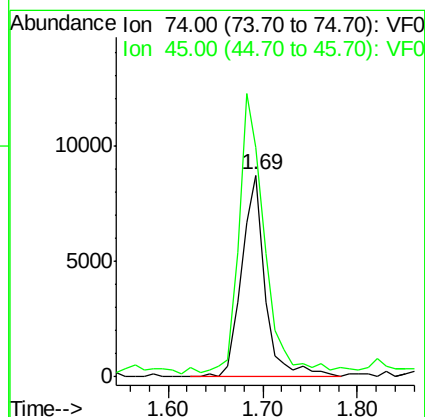
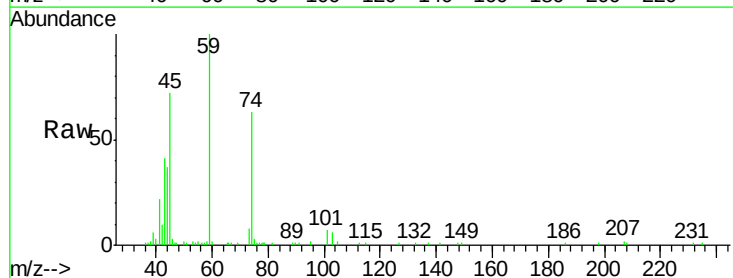
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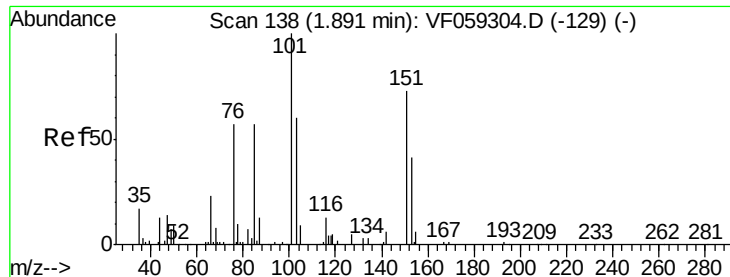


#8

Diethyl Ether
Concen: 18.406 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Tgt Ion: 74 Resp: 14923
Ion Ratio Lower Upper
74 100
45 113.9 70.0 210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.770 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

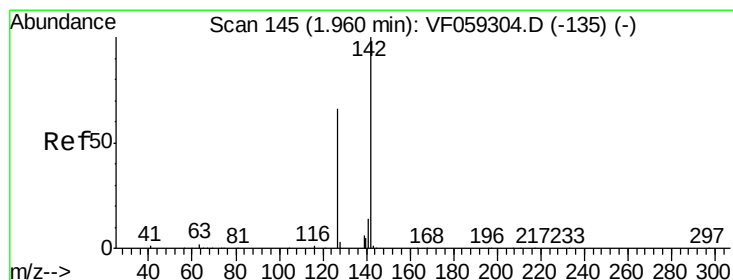
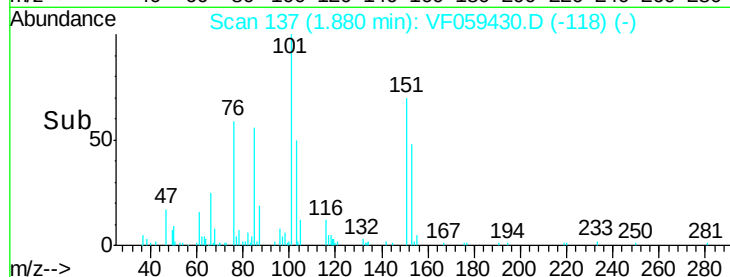
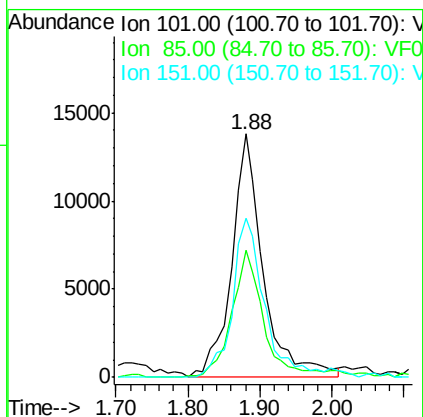
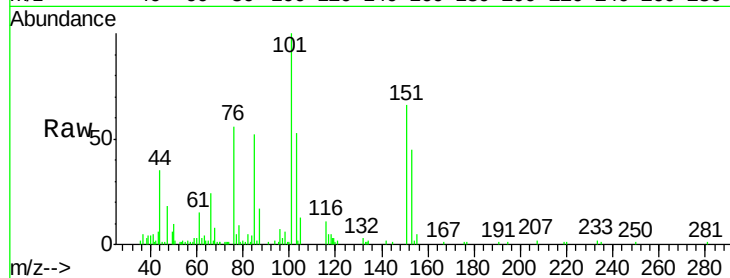
ClientSampleId :

VF0705SBSD01

Tot Ion:	101	Resp:	42028
Ion Ratio	Lower	Upper	
101	100		
85	52.5	44.5	66.7
151	65.5	56.8	85.2

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#10

Methyl Iodide

Concen: 19.486 ug/l

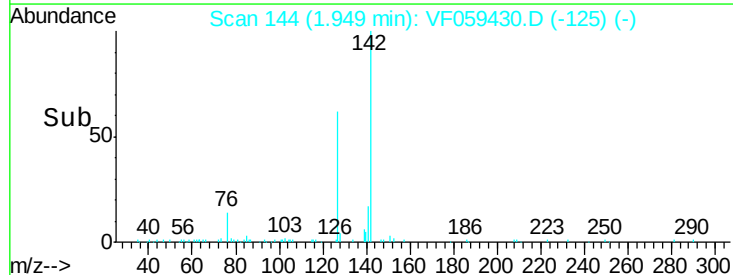
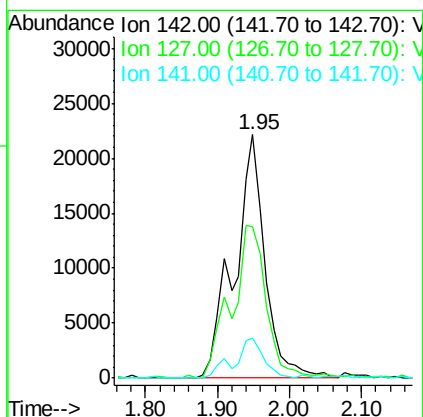
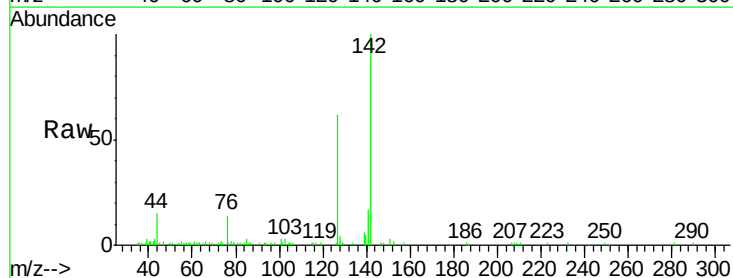
RT: 1.95 min Scan# 144

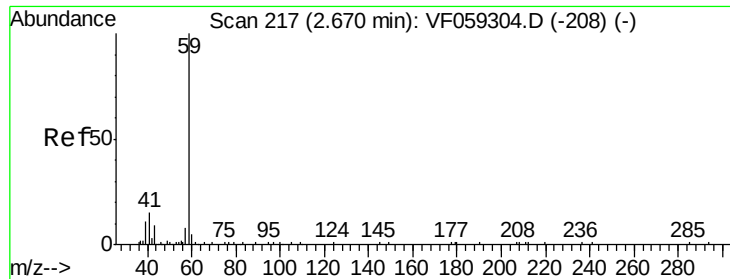
Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion:	142	Resp:	65588
Ion Ratio	Lower	Upper	
142	100		
127	62.4	52.5	78.7
141	16.6	11.5	17.3





#11

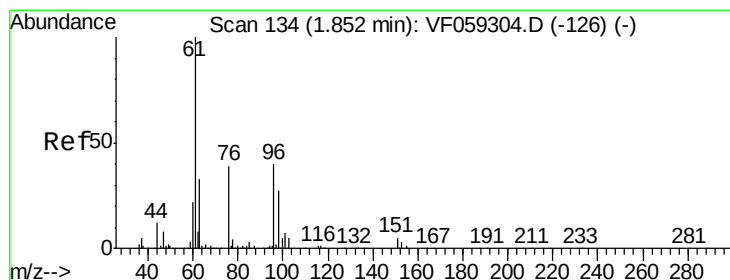
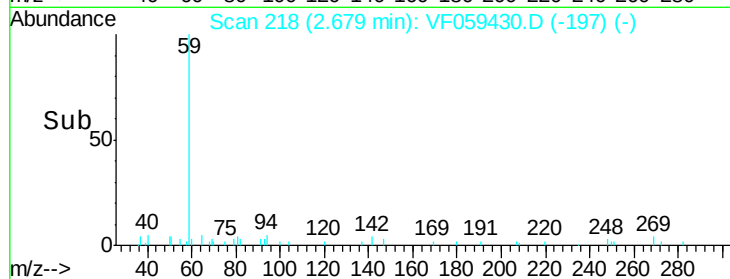
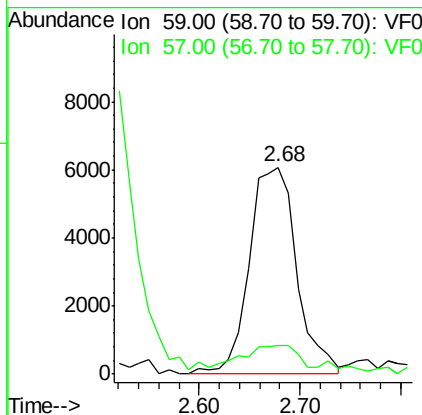
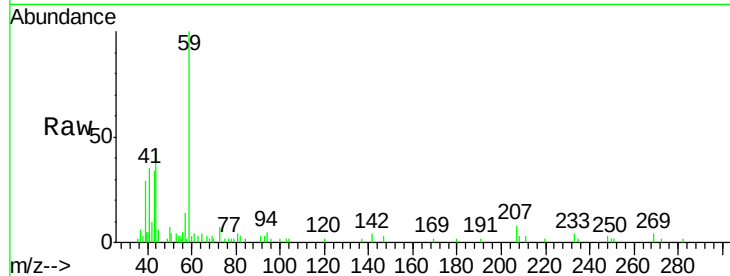
Tert butyl alcohol
Concen: 87.157 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.7	11.0	16.4

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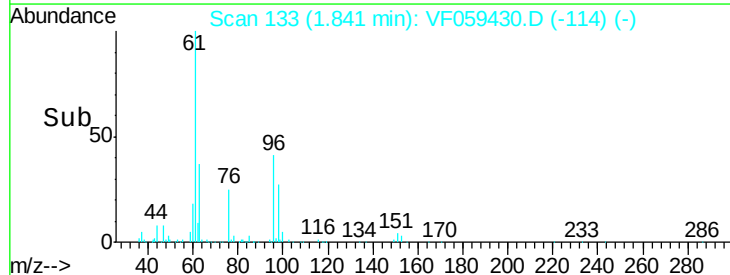
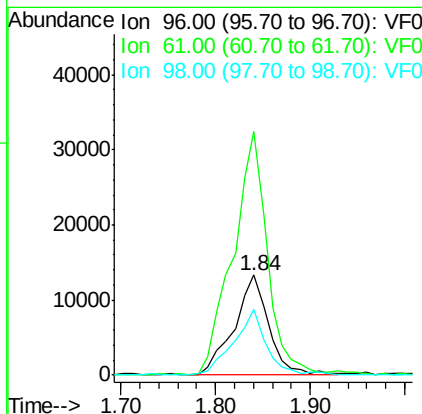
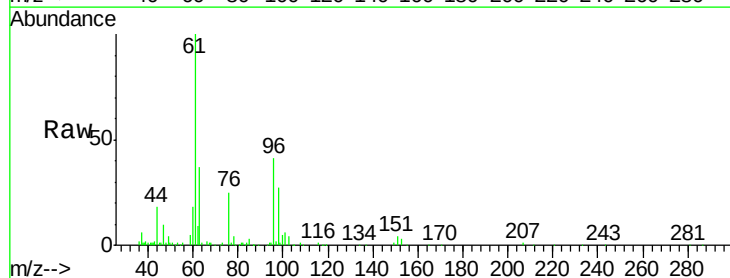
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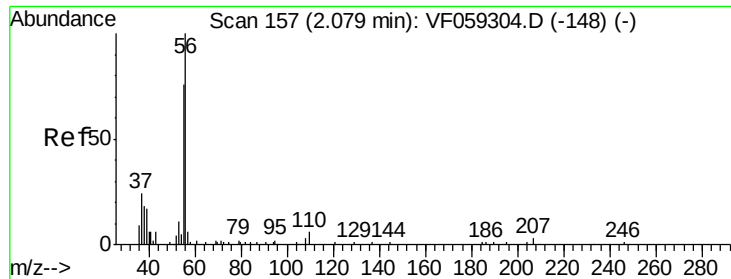


#12

1,1-Dichloroethene
Concen: 21.931 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	243.1	201.1	301.7
98	65.7	53.9	80.9





#13

Acrolein

Concen: 71.044 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBSD01

Tot Ion: 56 Resp: 9214

Ion Ratio Lower Upper

56 100

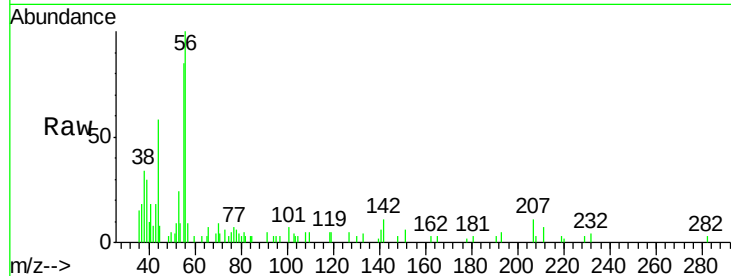
55 84.6 62.4 93.6

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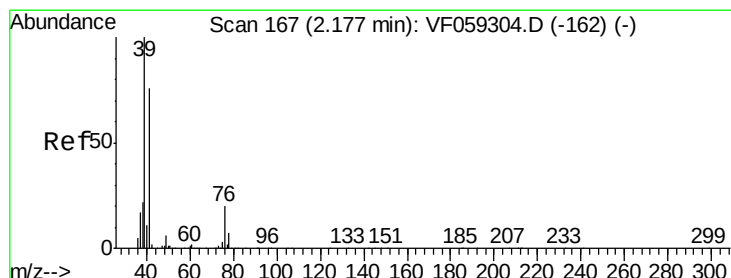
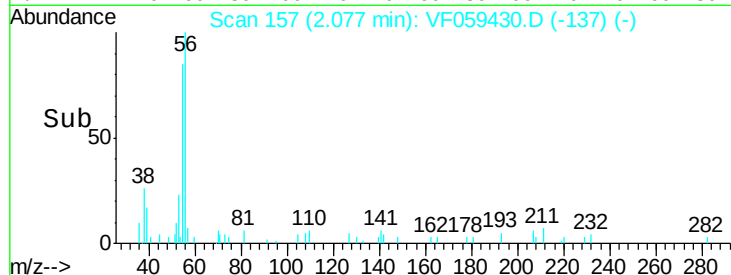
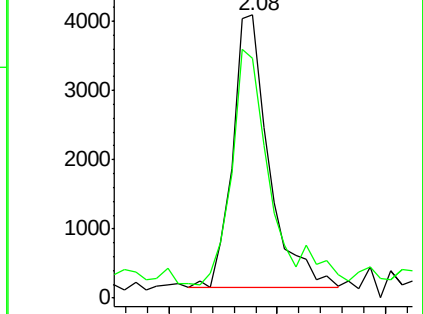
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 21.246 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

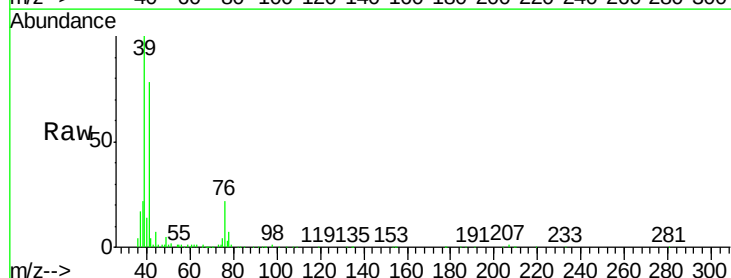
Tgt Ion: 41 Resp: 62231

Ion Ratio Lower Upper

41 100

39 128.6 105.6 158.4

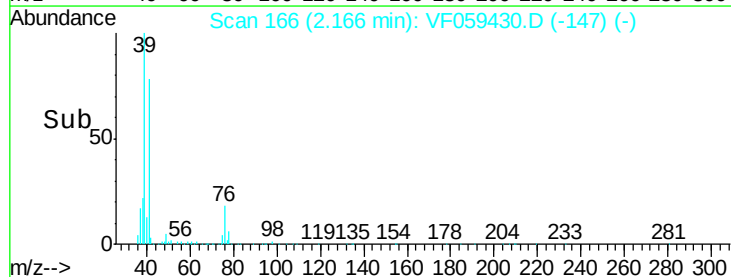
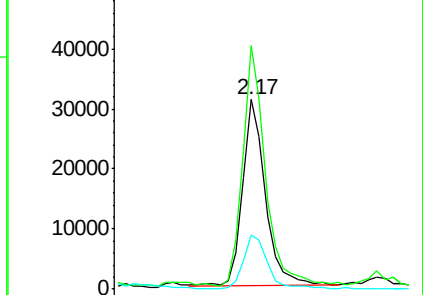
76 28.5 21.6 32.4

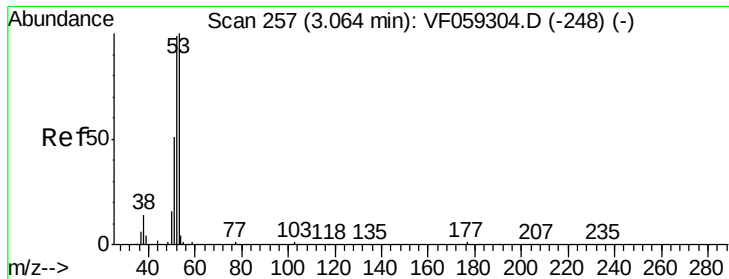


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 104.220 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

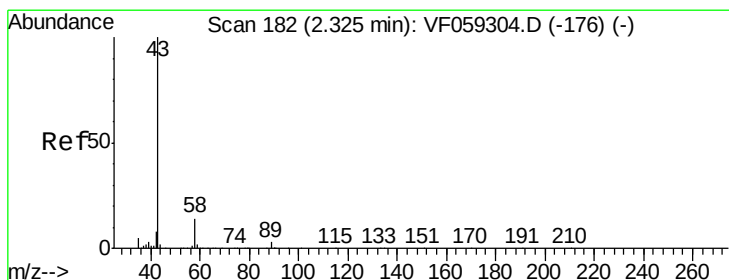
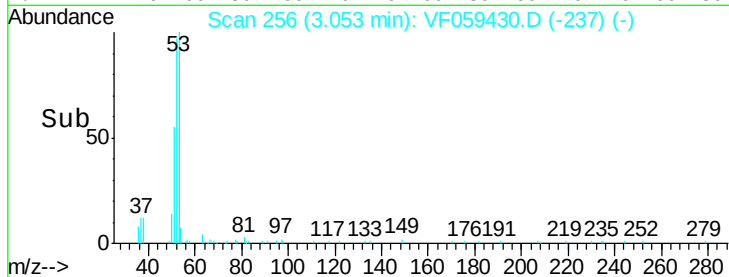
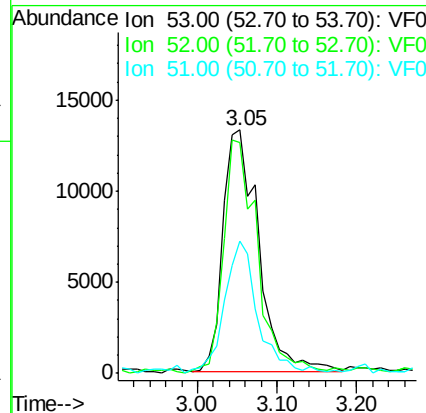
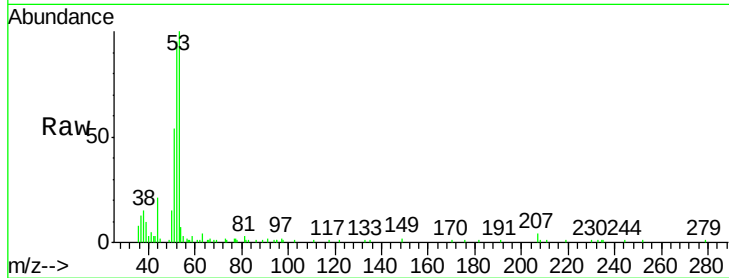
ClientSampleId :

VF0705SBS01

Tot Ion:	53	Resp:	41780
Ion	Ratio	Lower	Upper
53	100		
52	95.0	79.2	118.8
51	54.1	40.9	61.3

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#16

Acetone

Concen: 102.914 ug/l

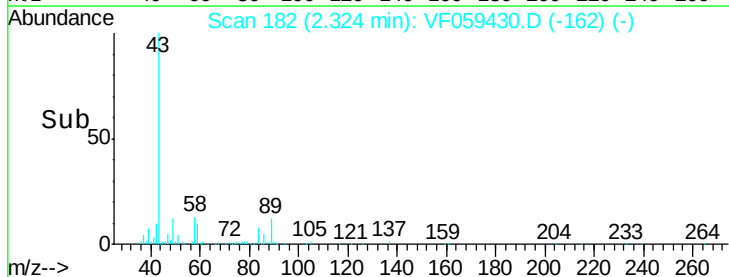
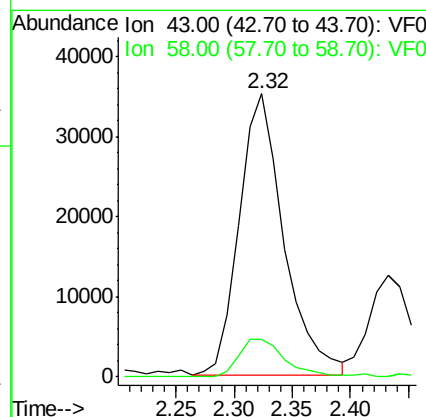
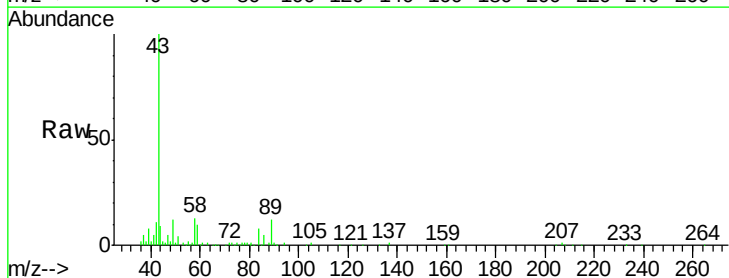
RT: 2.32 min Scan# 182

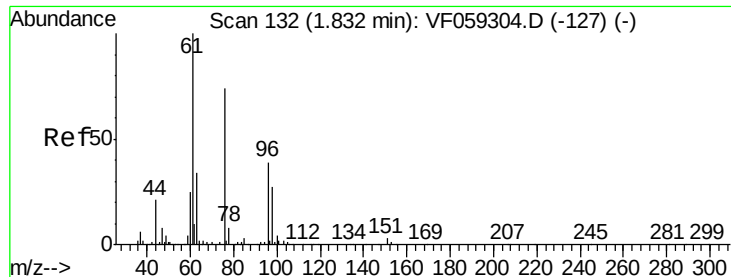
Delta R.T. -0.00 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion:	43	Resp:	93014
Ion	Ratio	Lower	Upper
43	100		
58	13.2	11.4	17.0





#17

Carbon Disulfide

Concen: 17.953 ug/l

RT: 1.85 min Scan# 134

Delta R.T. 0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBSD01

Tot Ion: 76 Resp: 65896

Ion Ratio Lower Upper

76 100

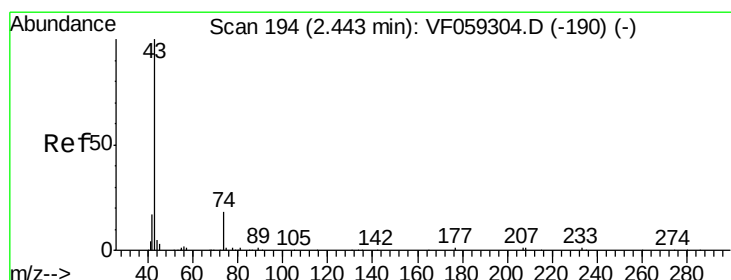
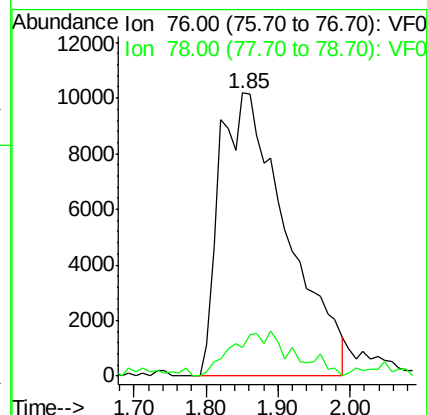
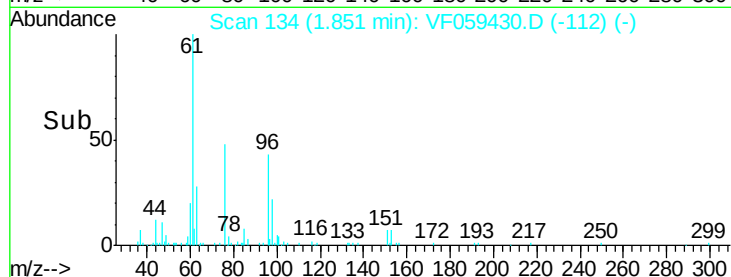
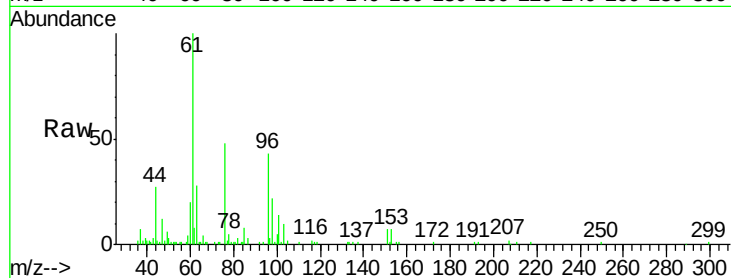
78 10.3 8.9 13.3

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#18

Methyl Acetate

Concen: 18.804 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059430.D

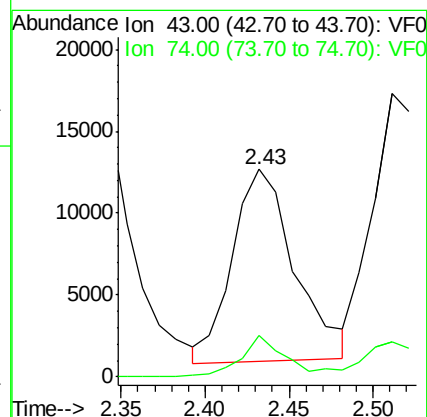
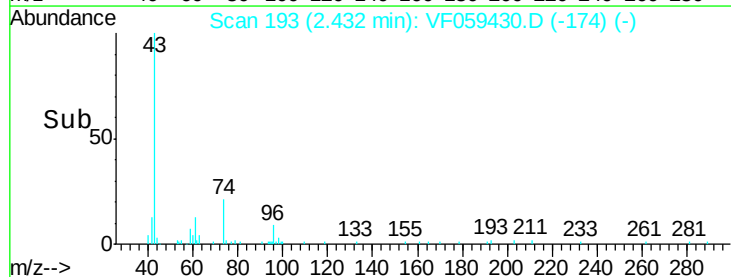
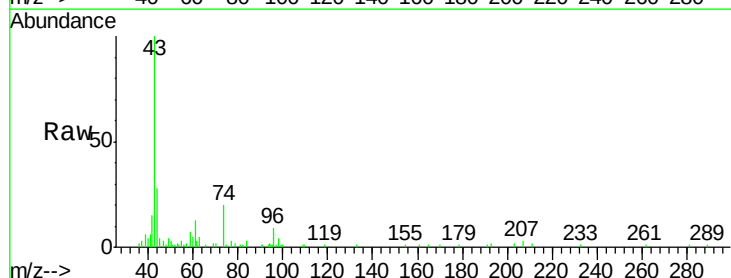
Acq: 5 Jul 2018 13:25

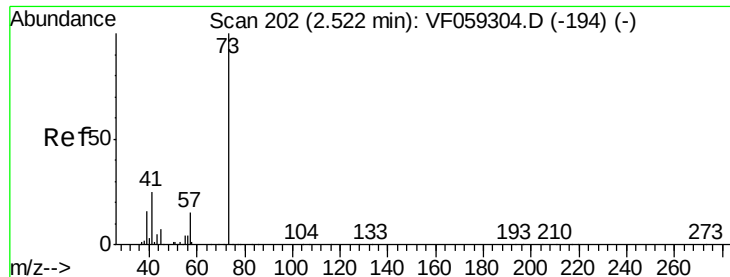
Tgt Ion: 43 Resp: 30142

Ion Ratio Lower Upper

43 100

74 20.2 13.3 19.9#





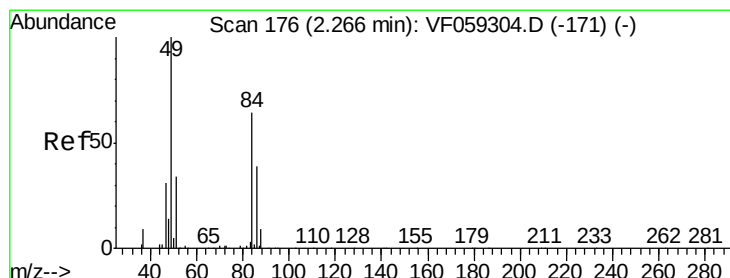
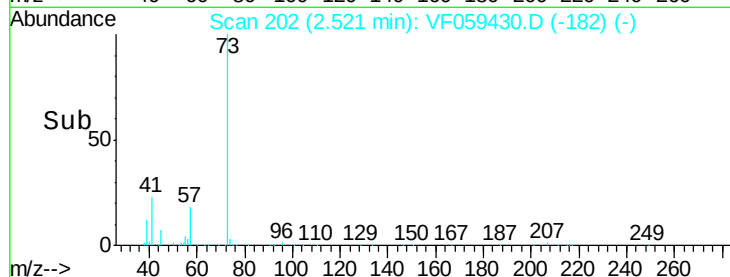
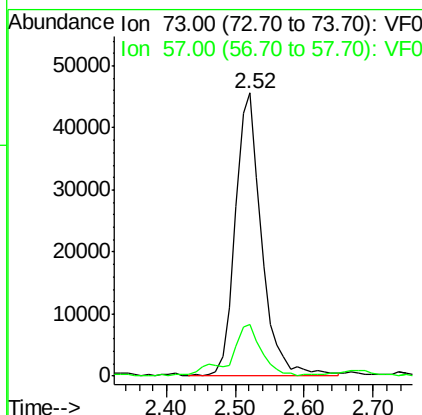
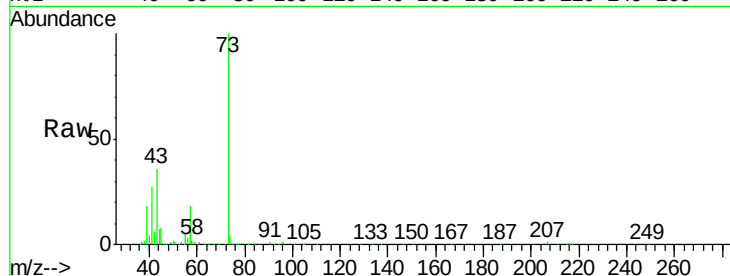
#19
Methyl tert-butyl Ether
Concen: 20.702 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.2	12.3	18.5

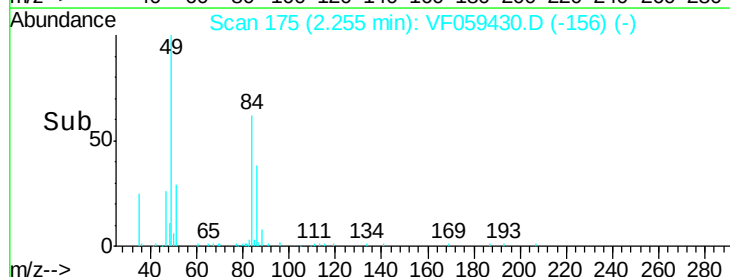
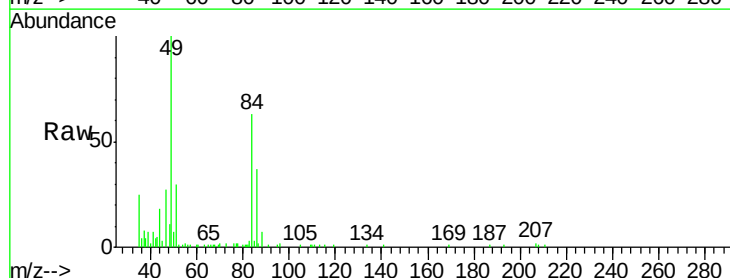
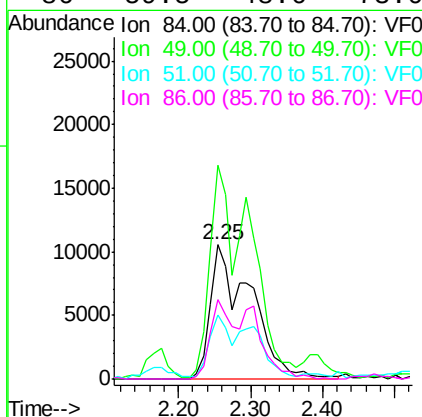
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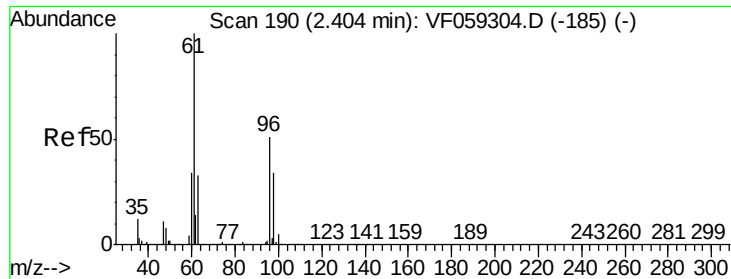
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#20
Methylene Chloride
Concen: 16.476 ug/l m
RT: 2.25 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.5	126.5	189.7
51	47.4	42.9	64.3
86	59.5	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 21.453 ug/l

RT: 2.39 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

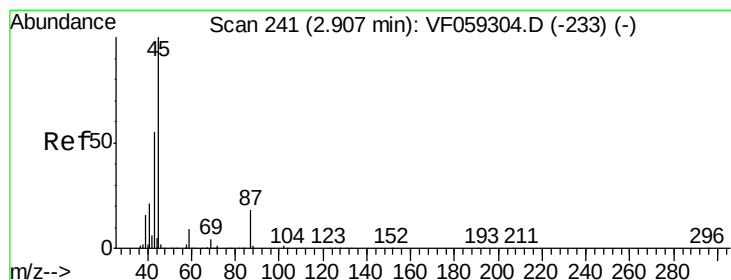
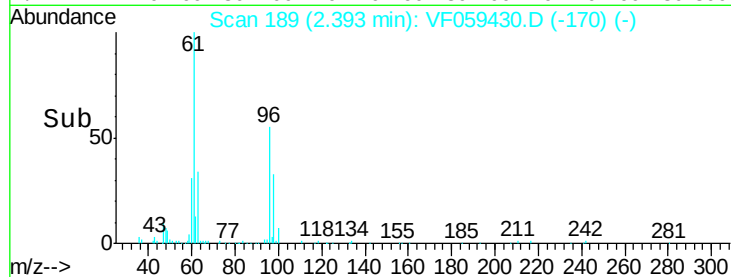
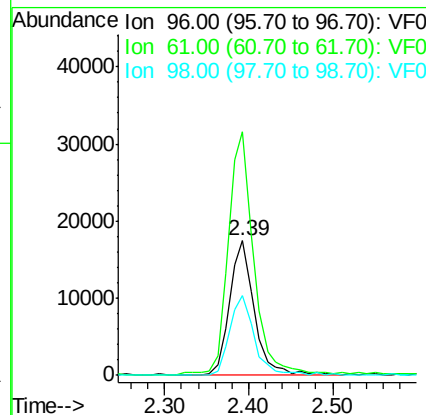
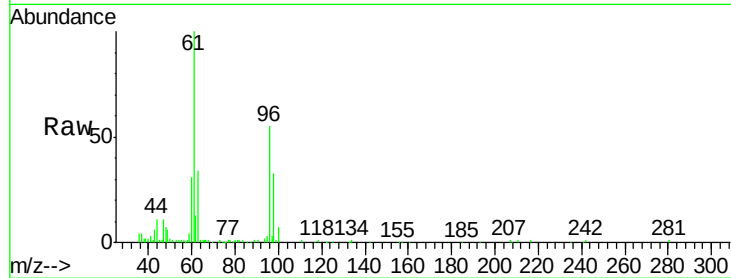
ClientSampleId :

VF0705SBSD01

Tot Ion:	96	Resp:	35709
Ion	Ratio	Lower	Upper
96	100		
61	181.1	157.4	236.2
98	59.3	53.7	80.5

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#22

Diisopropyl ether

Concen: 21.579 ug/l

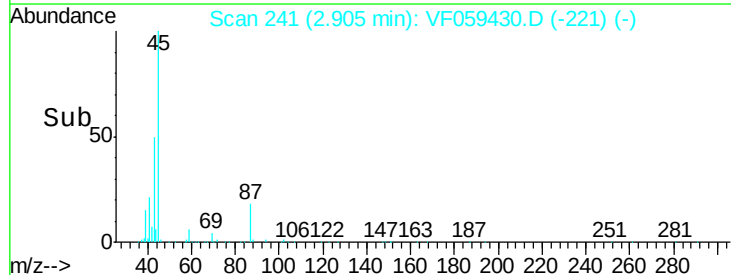
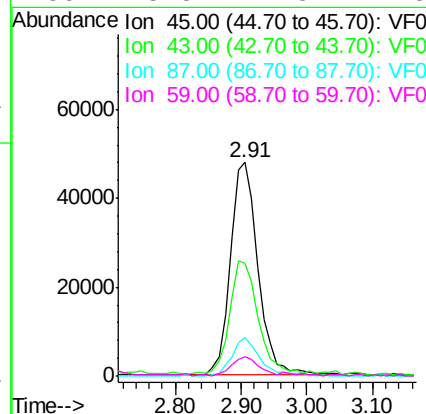
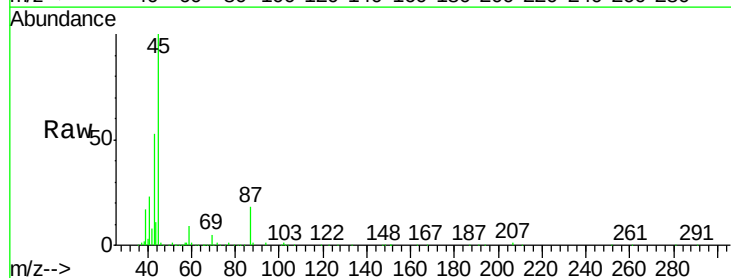
RT: 2.91 min Scan# 241

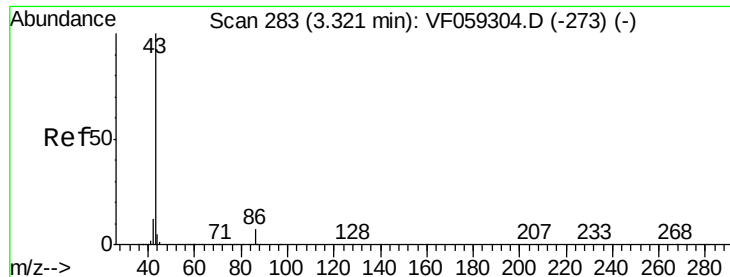
Delta R.T. -0.00 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion:	45	Resp:	139970
Ion	Ratio	Lower	Upper
45	100		
43	53.0	44.6	66.8
87	18.0	14.3	21.5
59	8.8	7.5	11.3





#23

Vinyl Acetate

Concen: 105.173 ug/l

RT: 3.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBSD01

Tot Ion: 43 Resp: 434452

Ion Ratio Lower Upper

43 100

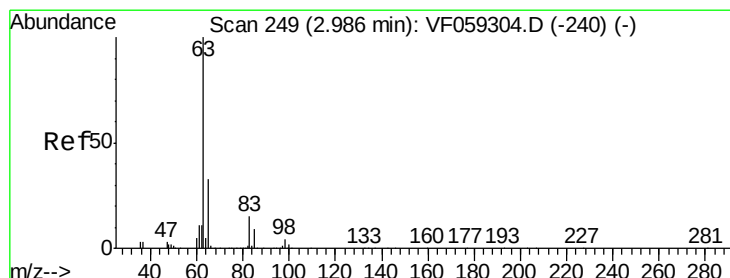
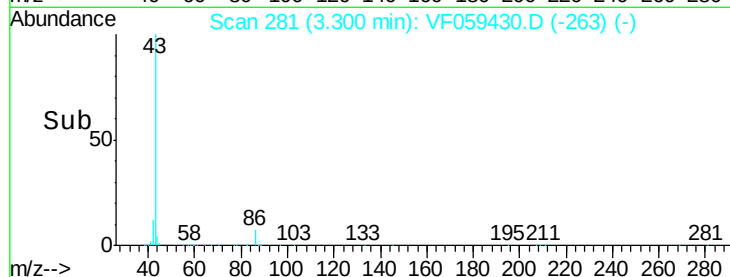
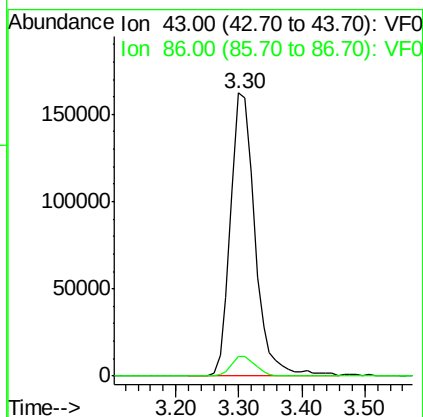
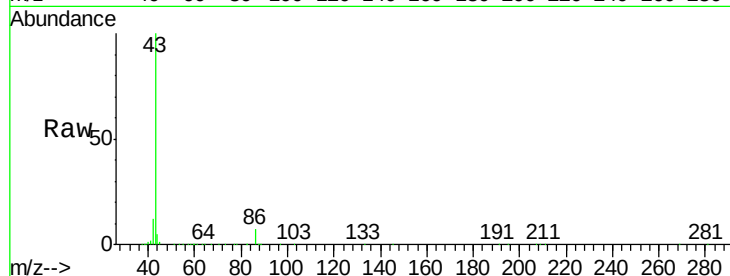
86 6.8 5.8 8.6

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#24

1,1-Dichloroethane

Concen: 22.220 ug/l

RT: 2.97 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

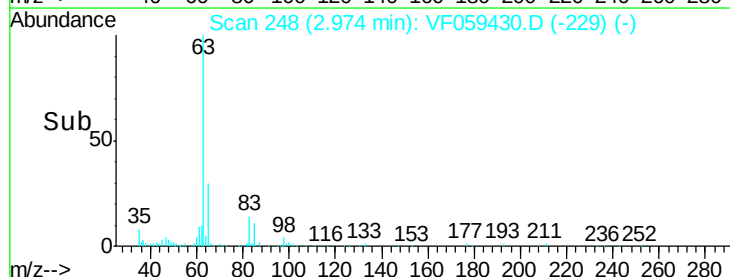
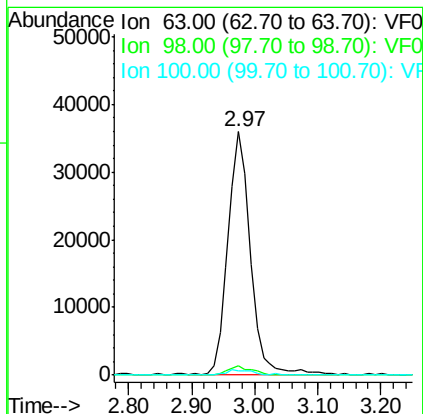
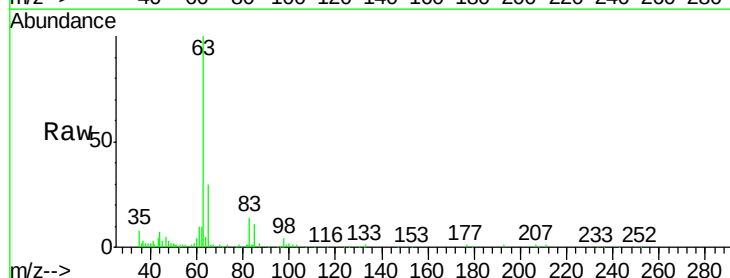
Tgt Ion: 63 Resp: 89360

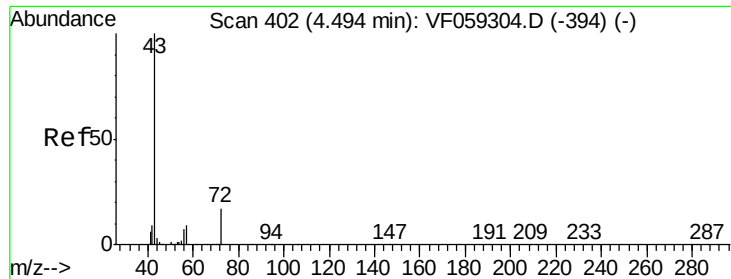
Ion Ratio Lower Upper

63 100

98 4.7 2.0 6.0

100 1.6 1.3 3.9





#25

2-Butanone

Concen: 104.631 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBSD01

Tot Ion: 43 Resp: 109886

Ion Ratio Lower Upper

43 100

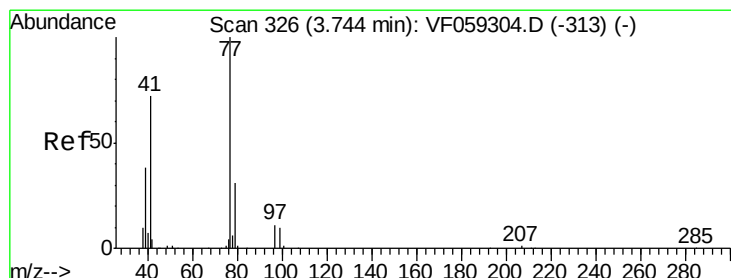
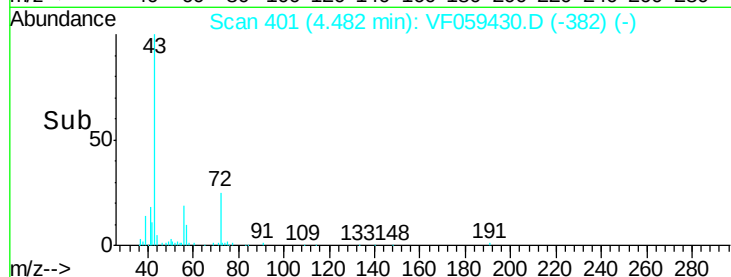
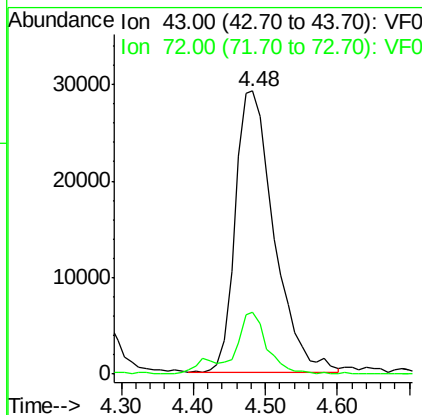
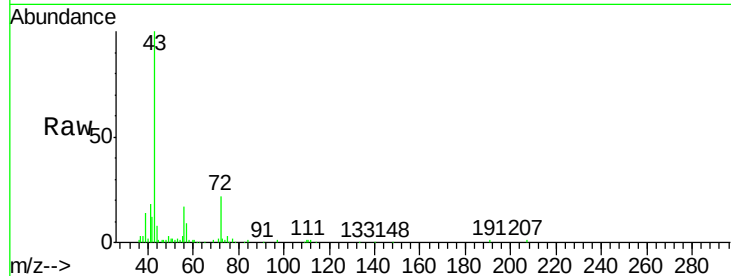
72 21.9 14.4 21.6#

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#26

2,2-Dichloropropane

Concen: 21.943 ug/l

RT: 3.72 min Scan# 324

Delta R.T. -0.02 min

Lab File: VF059430.D

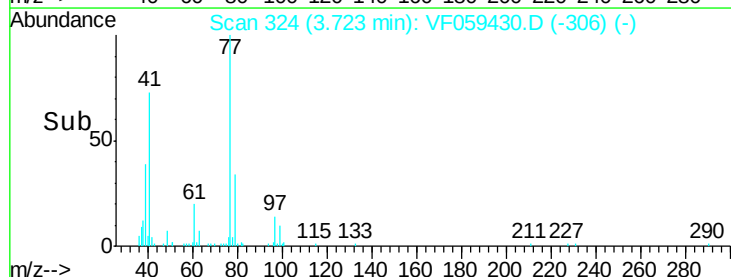
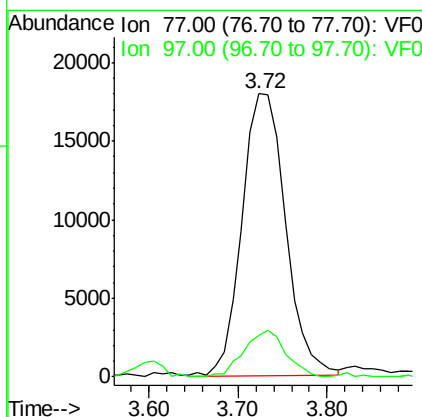
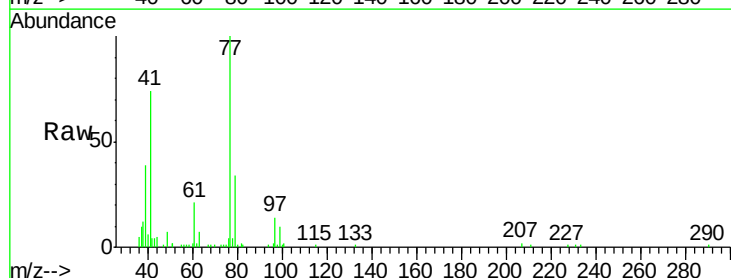
Acq: 5 Jul 2018 13:25

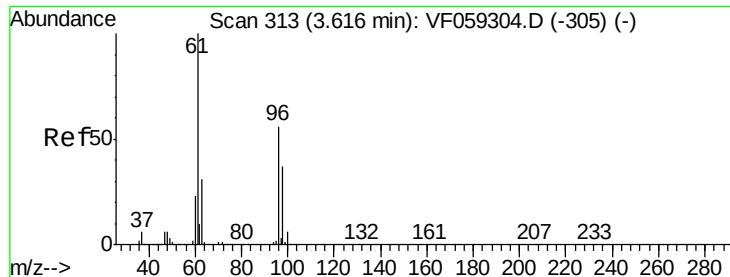
Tgt Ion: 77 Resp: 60864

Ion Ratio Lower Upper

77 100

97 14.5 8.0 23.8





#27

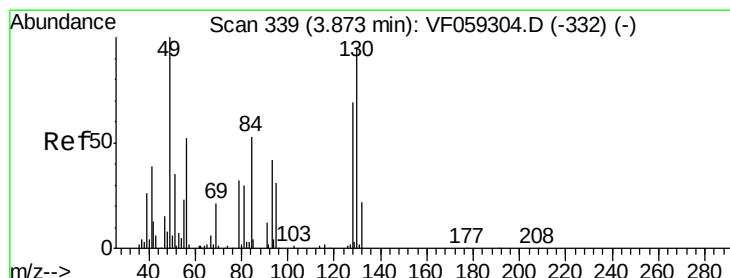
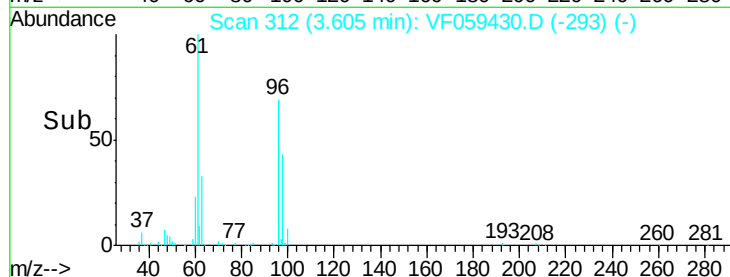
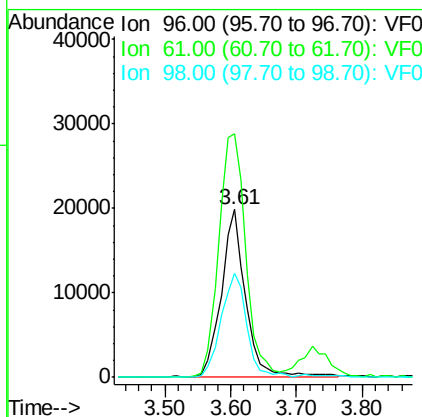
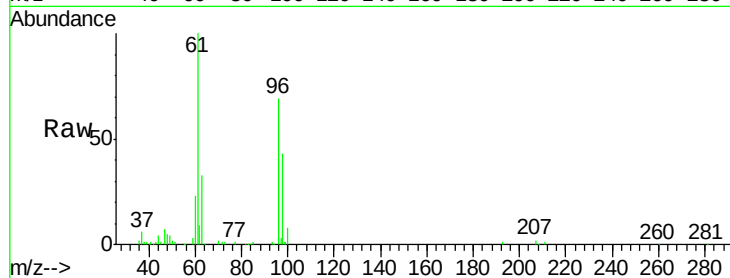
cis-1,2-Dichloroethene
Concen: 20.332 ug/l
RT: 3.61 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	145.3		0.0	355.4	
98	62.2		0.0	131.0	

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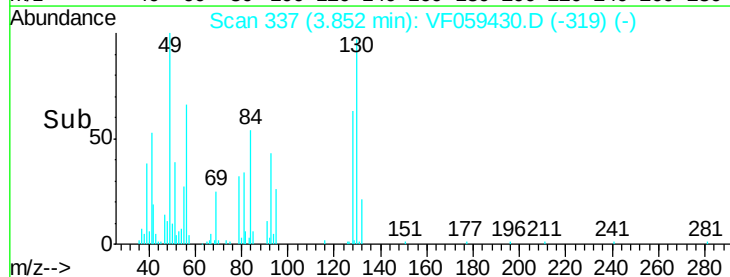
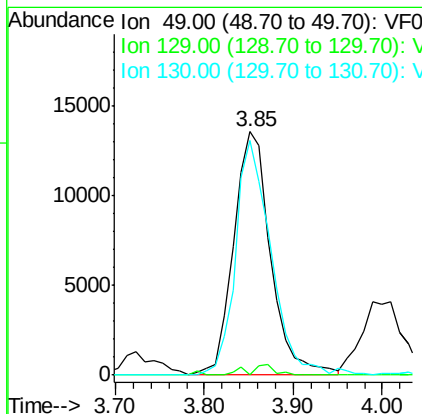
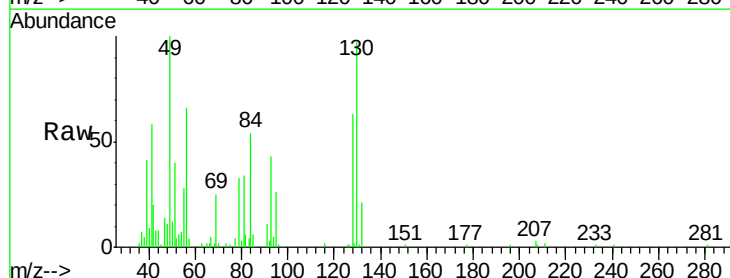
apatel
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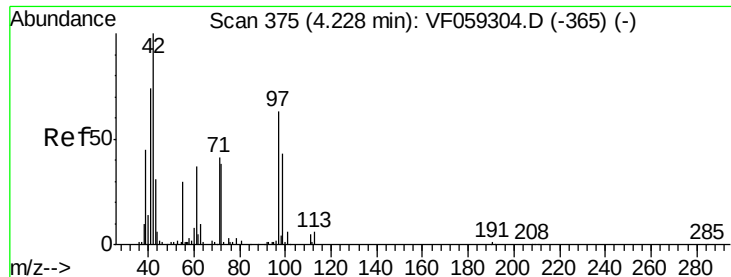


#28

Bromochloromethane
Concen: 23.101 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.02 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	0.0		0.0	6.4	
130	96.6		75.1	112.7	





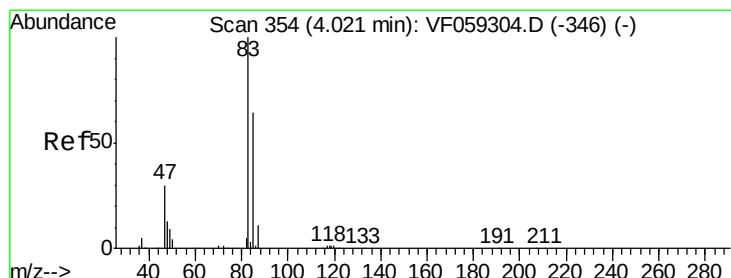
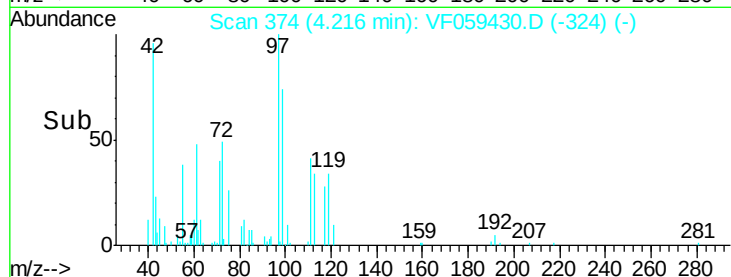
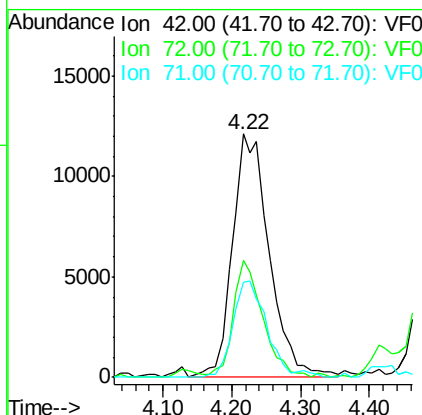
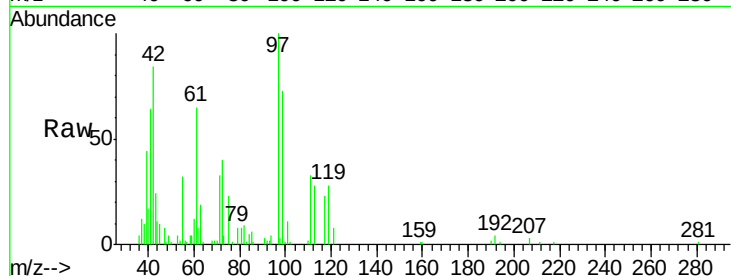
#29
Tetrahydrofuran
Concen: 96.862 ug/l
RT: 4.22 min Scan# 374
Delta R.T. -0.01 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.5	45.7
71	36.7	32.5	48.7

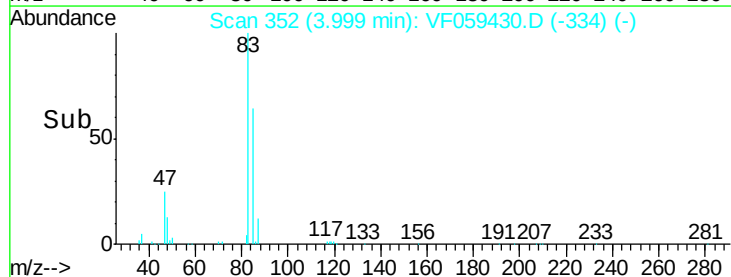
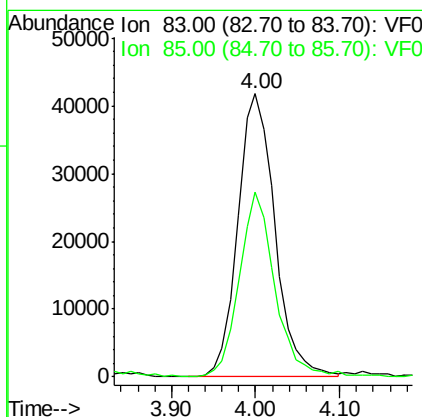
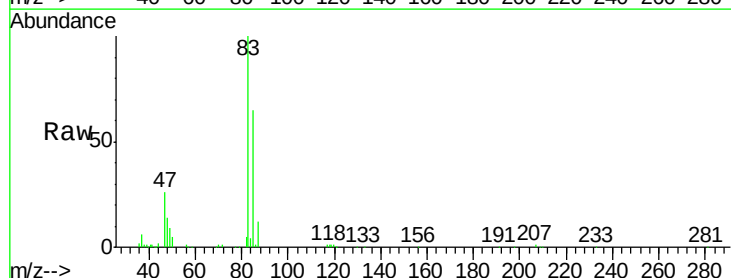
Manual Integrations
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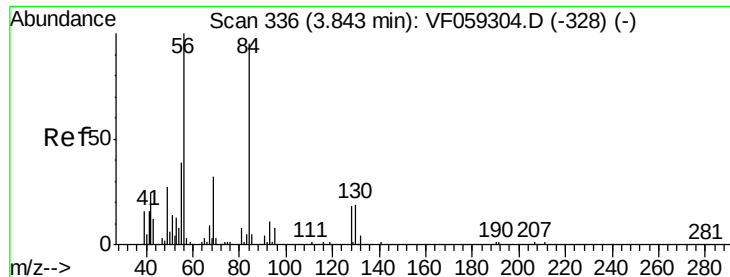
apatel
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#30
Chloroform
Concen: 22.095 ug/l
RT: 4.00 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.3	76.9





#31

Cyclohexane

Concen: 19.574 ug/l

RT: 3.83 min Scan# 335

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

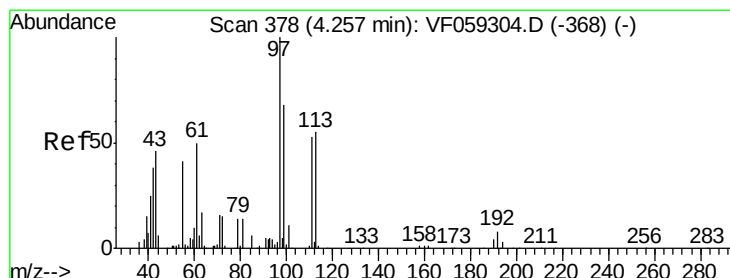
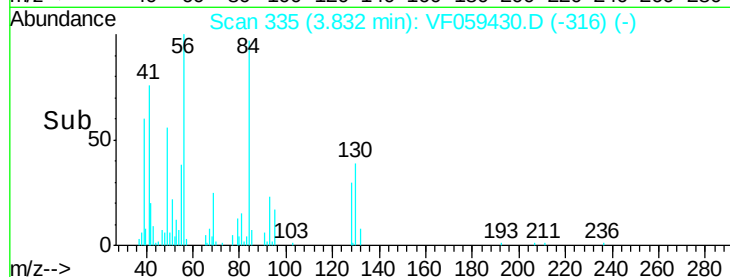
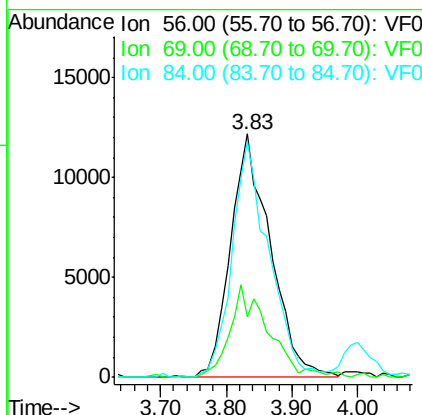
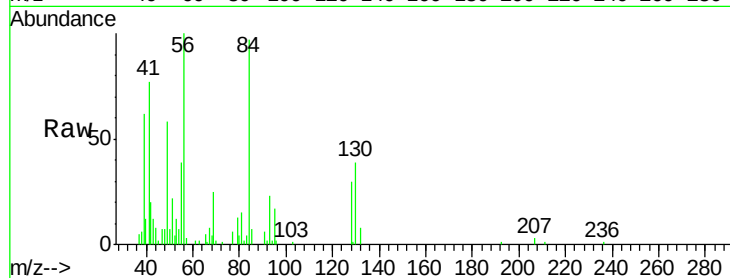
ClientSampleId :

VF0705SBS01

Tot Ion:	56	Resp:	51568
Ion Ratio	Lower	Upper	
56	100		
69	25.0	25.8	38.8#
84	96.7	75.6	113.4

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#32

1,1,1-Trichloroethane

Concen: 21.977 ug/l

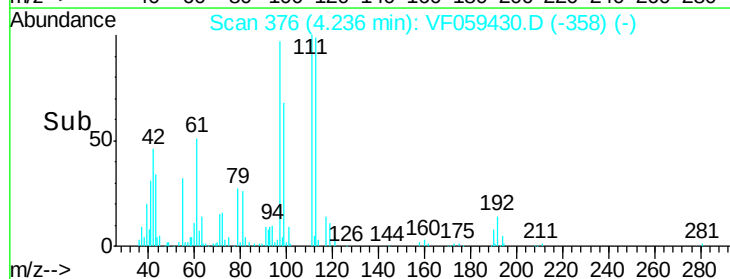
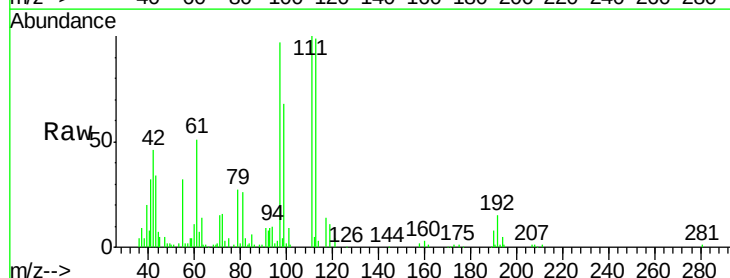
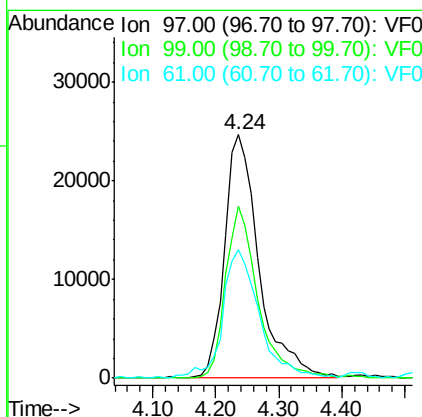
RT: 4.24 min Scan# 376

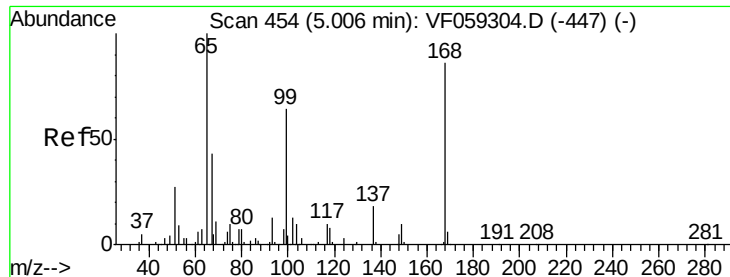
Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion:	97	Resp:	93632
Ion Ratio	Lower	Upper	
97	100		
99	70.4	54.1	81.1
61	52.9	41.2	61.8





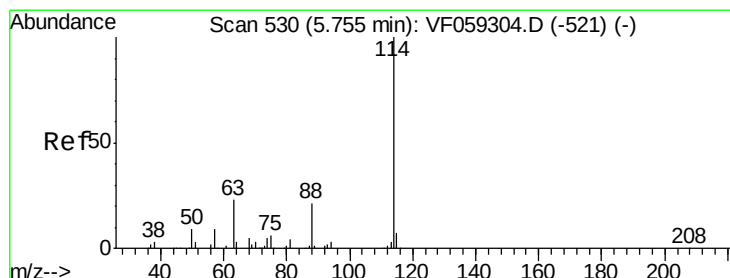
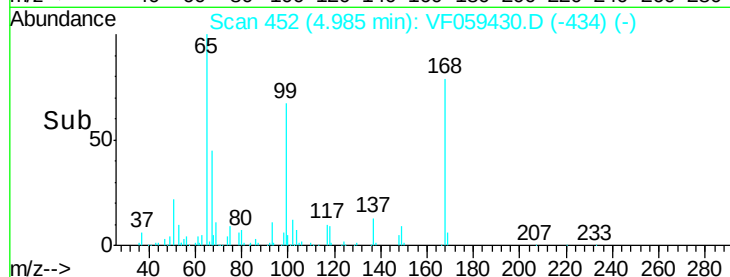
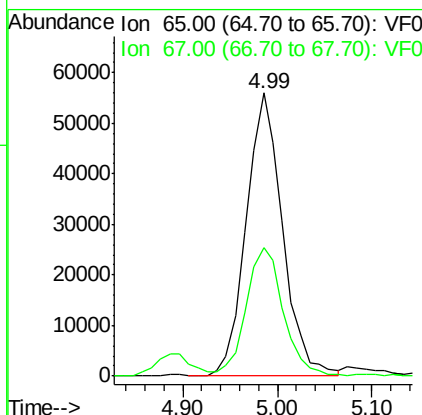
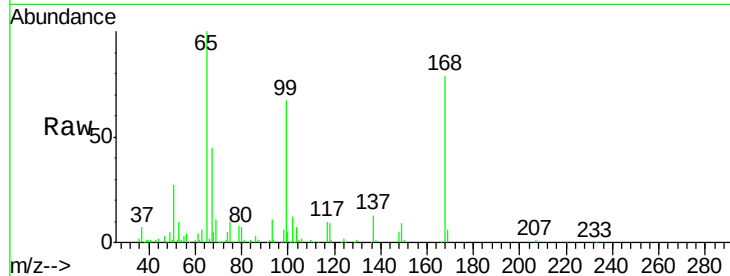
#33
 1,2-Dichloroethane-d4
 Concen: 43.270 ug/l
 RT: 4.99 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: VF059430.D
 Acq: 5 Jul 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0705SBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	45.4	0.0	96.8

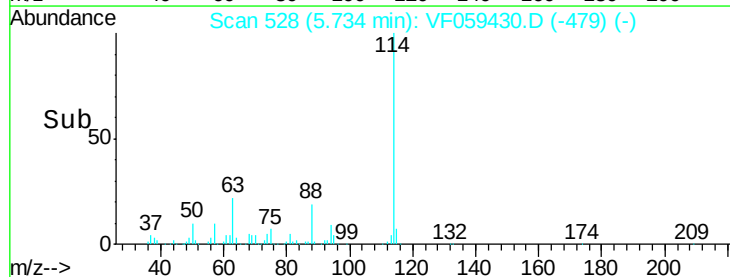
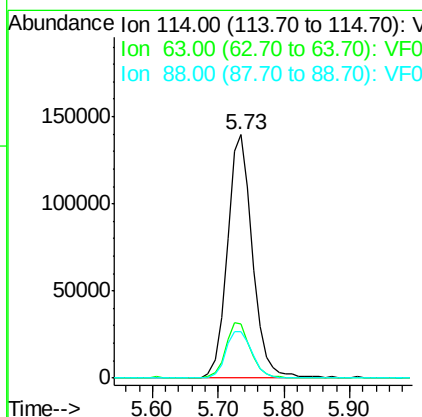
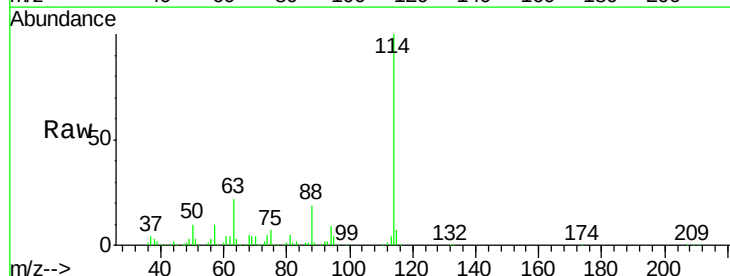
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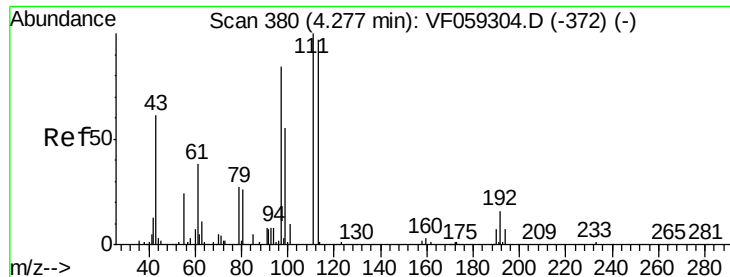
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VF059430.D
 Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	45.8
88	18.9	0.0	41.2





#35

Dibromofluoromethane

Concen: 50.649 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

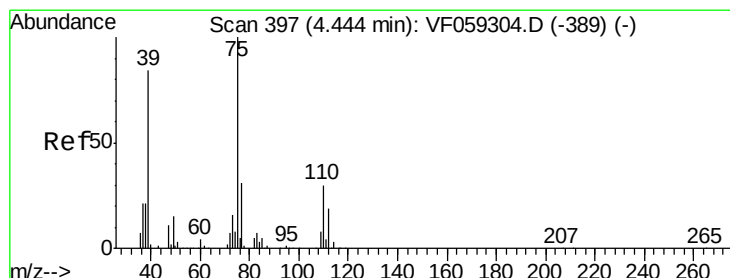
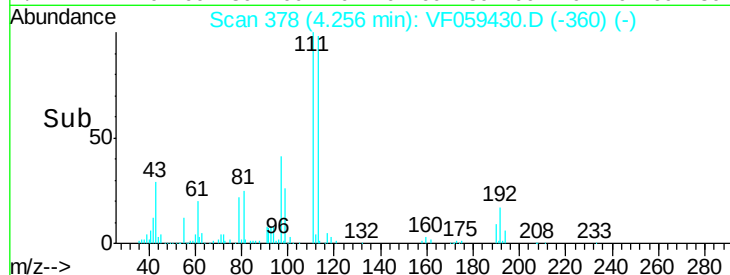
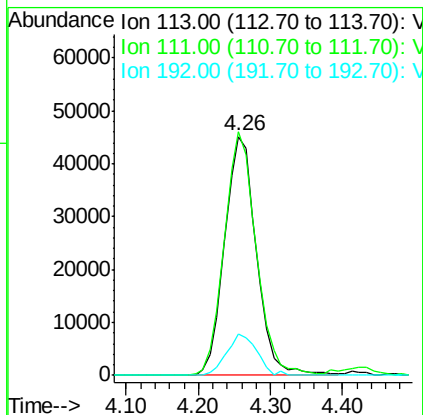
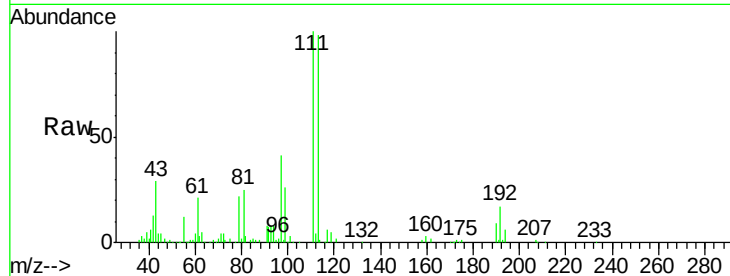
ClientSampleId :

VF0705SBSD01

Tot Ion:	113	Resp:	138076
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.1	123.1
192	17.5	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 23.919 ug/l

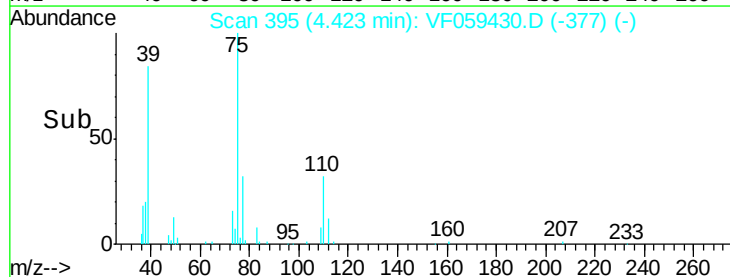
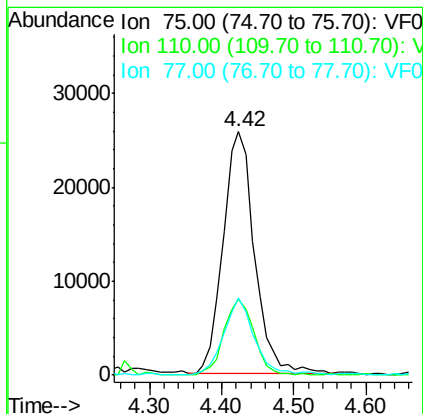
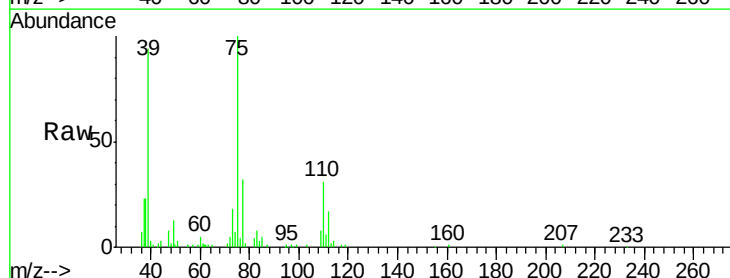
RT: 4.42 min Scan# 395

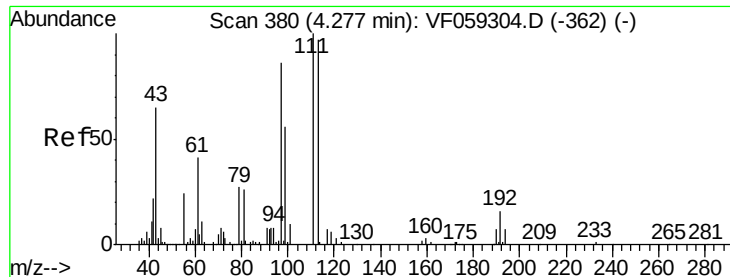
Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion:	75	Resp:	77961
Ion Ratio	Lower	Upper	
75	100		
110	31.0	14.8	44.4
77	31.7	25.2	37.8





#37

Ethyl Acetate

Concen: 23.187 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

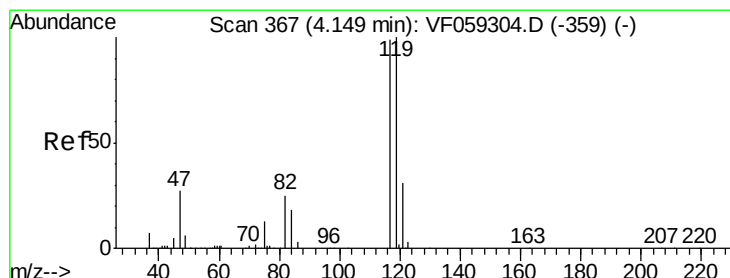
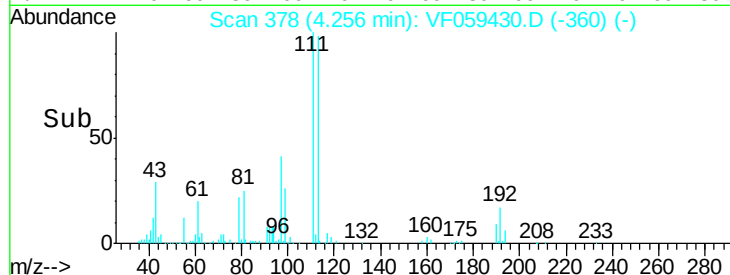
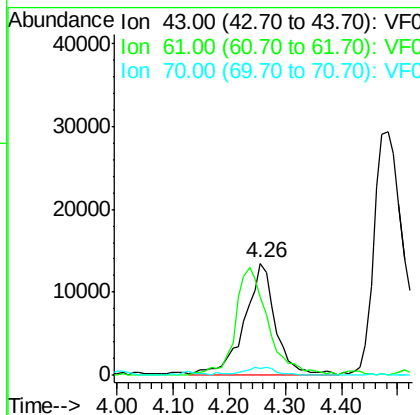
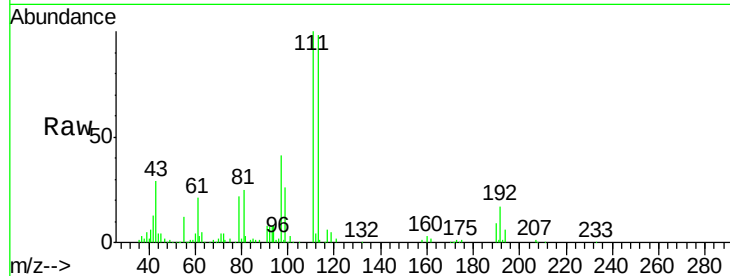
ClientSampleId :

VF0705SBSD01

Tot Ion:	43	Resp:	50000
Ion	Ratio	Lower	Upper
43	100		
61	70.1	50.1	75.1
70	5.7	6.2	9.4#

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#38

Carbon Tetrachloride

Concen: 24.264 ug/l

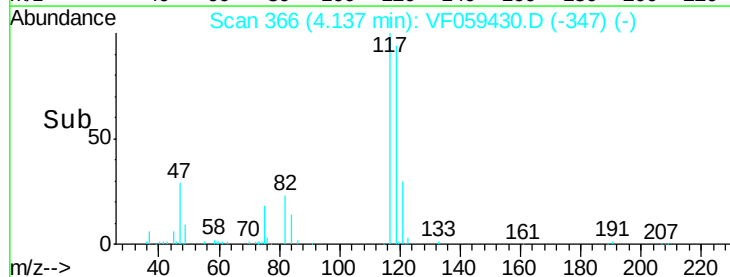
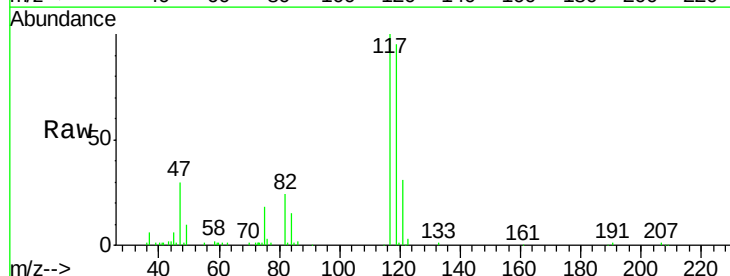
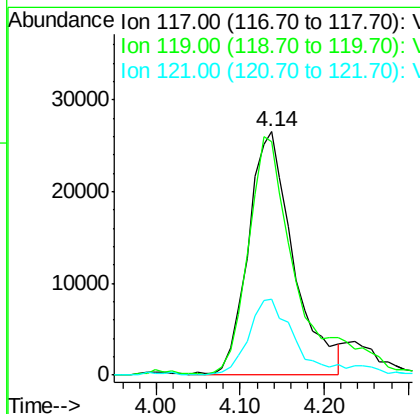
RT: 4.14 min Scan# 366

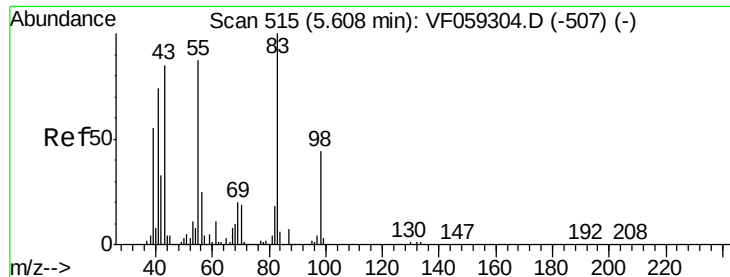
Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion:	117	Resp:	99805
Ion	Ratio	Lower	Upper
117	100		
119	95.8	81.0	121.4
121	31.1	24.7	37.1





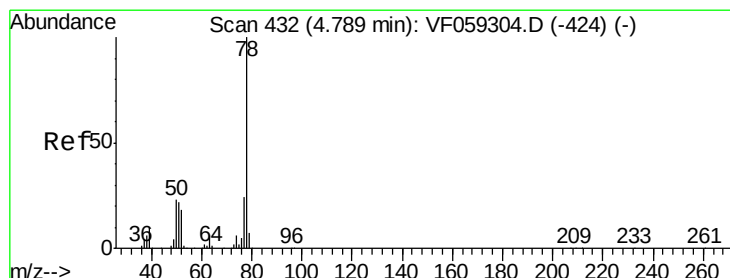
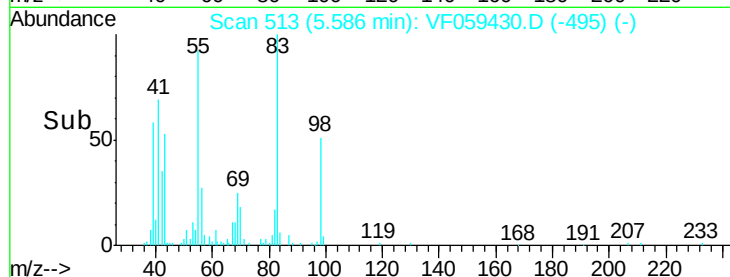
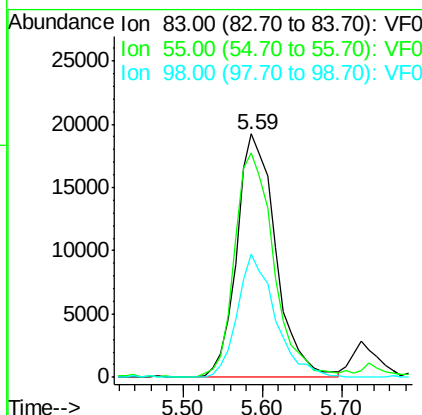
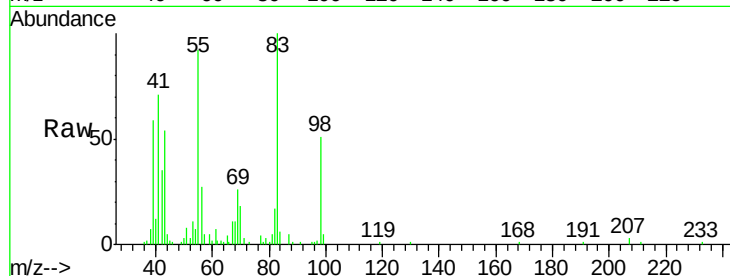
#39
Methylvlcyclohexane
Concen: 22.579 ug/l
RT: 5.59 min Scan# 513
Delta R.T. -0.02 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.9	69.2	103.8
98	50.7	35.0	52.6

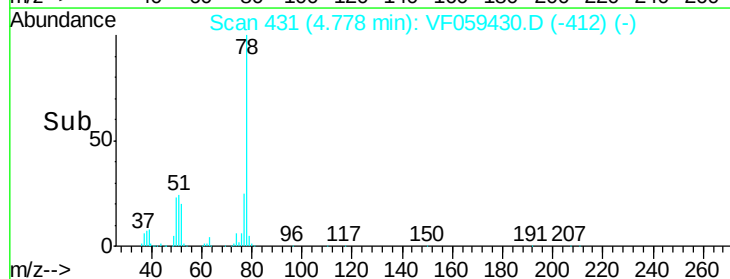
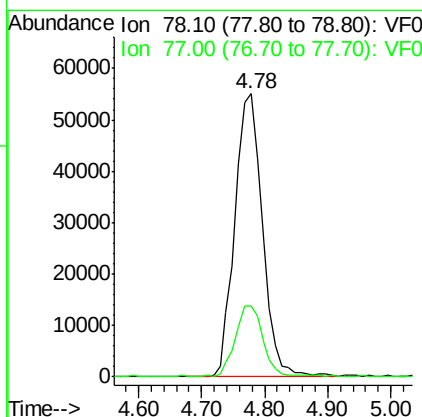
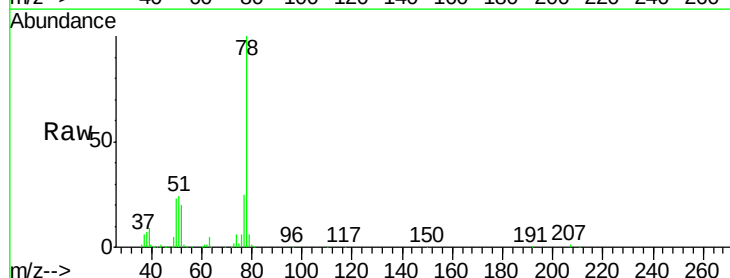
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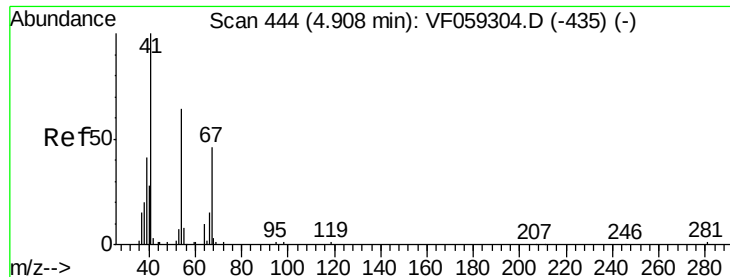
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#40
Benzene
Concen: 23.121 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.6	29.4





#41

Methacrylonitrile

Concen: 19.565 ug/l

RT: 4.89 min Scan# 442

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

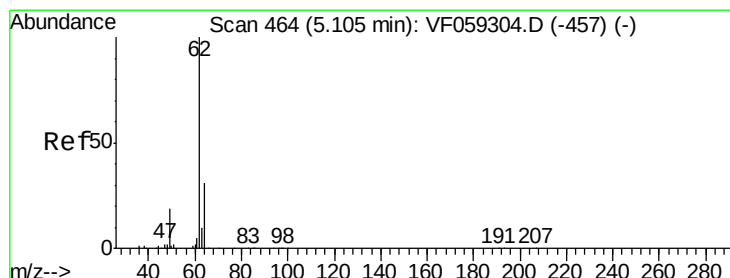
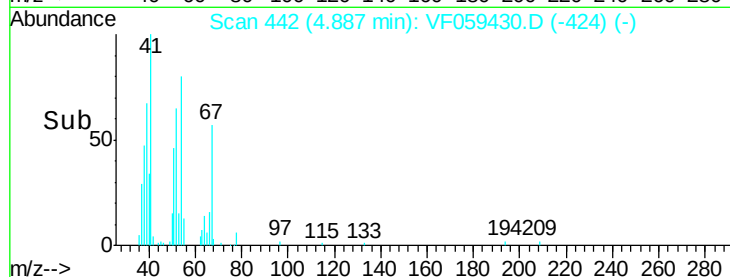
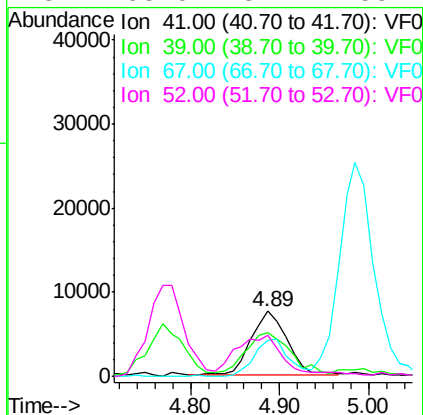
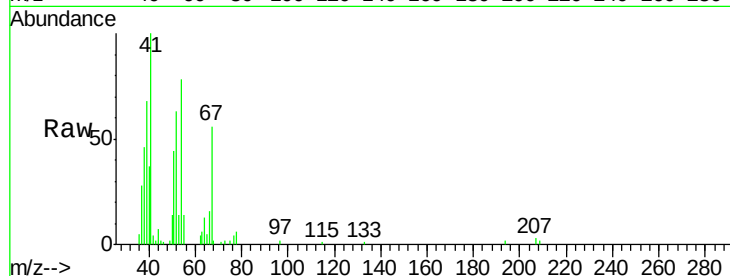
ClientSampleId :

VF0705SBSD01

Tot Ion:	41	Resp:	21753
Ion Ratio	Lower	Upper	
41	100		
39	68.0	50.0	75.0
67	55.8	37.0	55.6#
52	63.0	37.1	55.7#

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#42

1,2-Dichloroethane

Concen: 22.875 ug/l

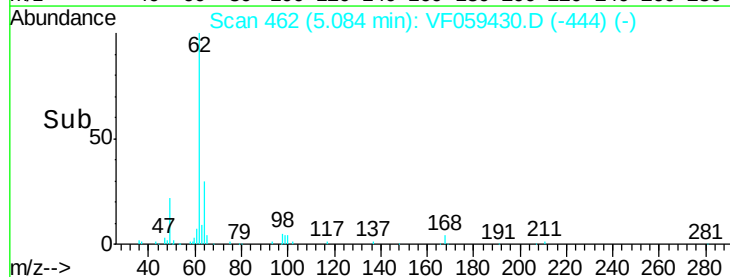
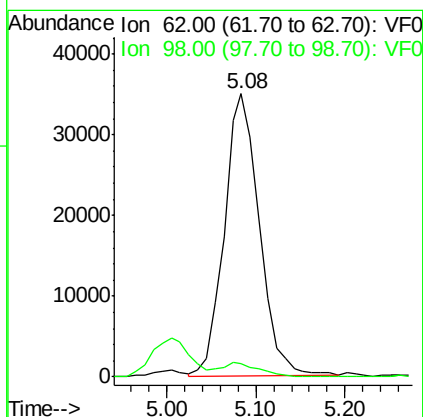
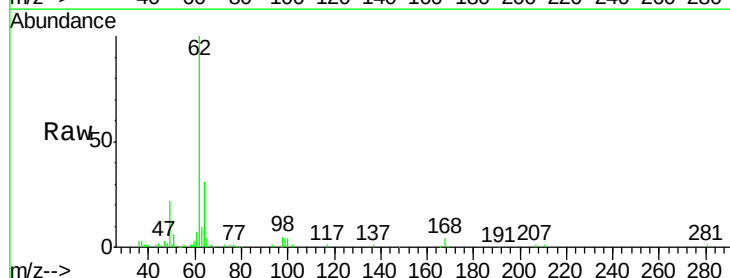
RT: 5.08 min Scan# 462

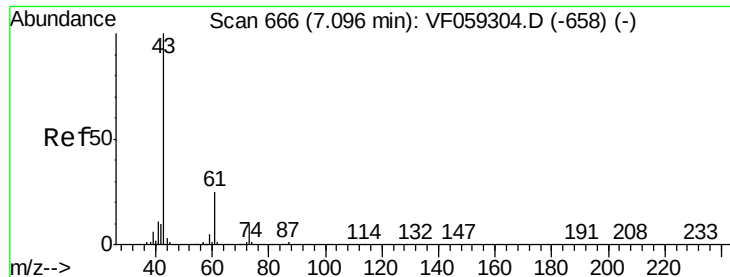
Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion:	62	Resp:	96599
Ion Ratio	Lower	Upper	
62	100		
98	4.7	0.0	11.4





#43

Isopropyl Acetate

Concen: 19.775 ug/l

RT: 7.08 min Scan# 665

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

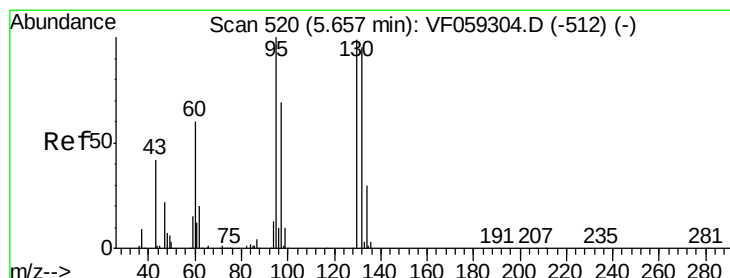
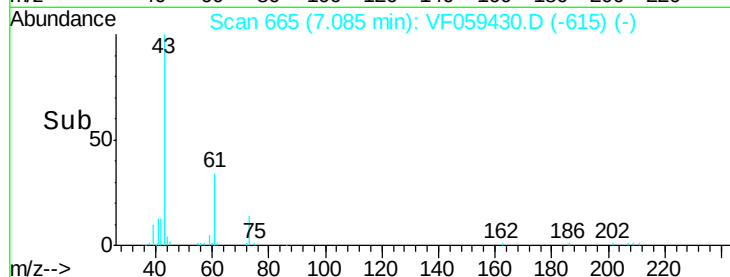
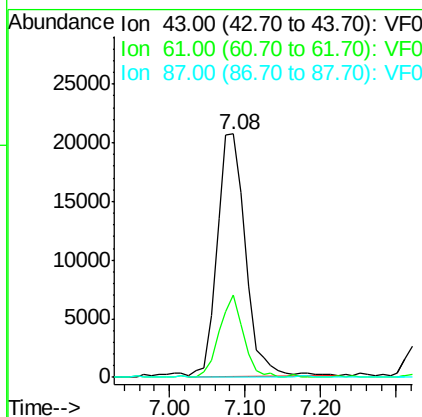
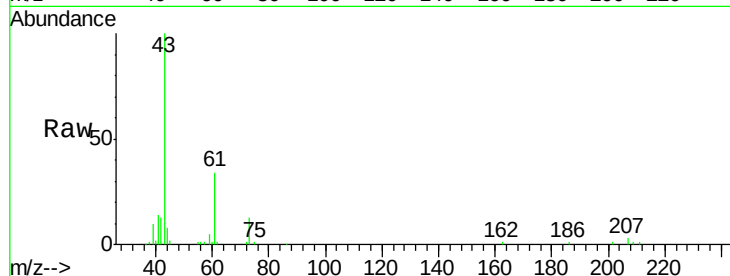
ClientSampleId :

VF0705SBSD01

Tot Ion:	43	Resp:	53686
Ion Ratio	Lower	Upper	
43	100		
61	33.7	19.7	29.5#
87	0.0	0.5	0.7#

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#44

Trichloroethene

Concen: 22.256 ug/l

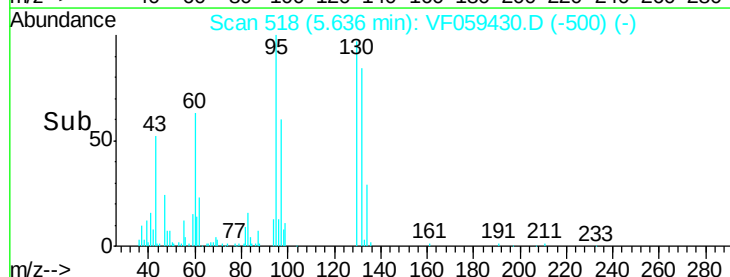
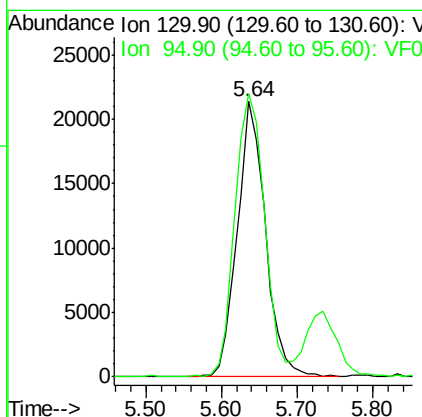
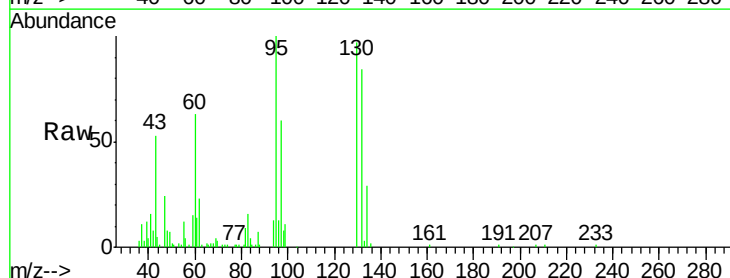
RT: 5.64 min Scan# 518

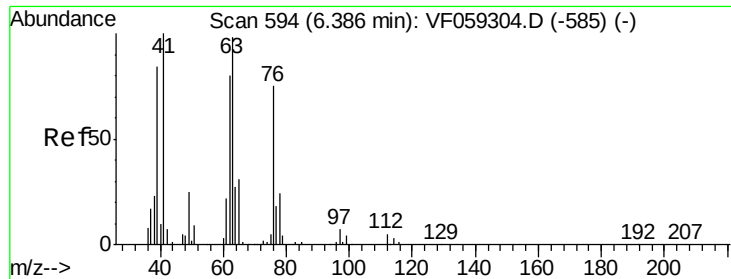
Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion:	130	Resp:	55173
Ion Ratio	Lower	Upper	
130	100		
95	102.8	0.0	202.4





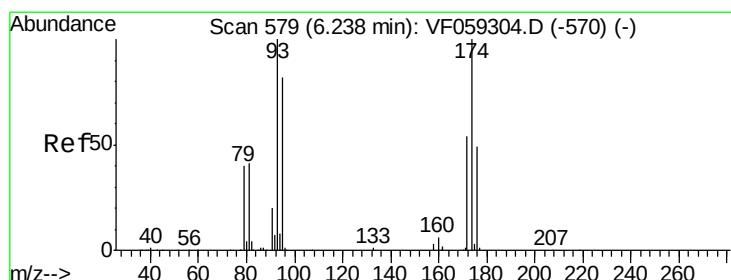
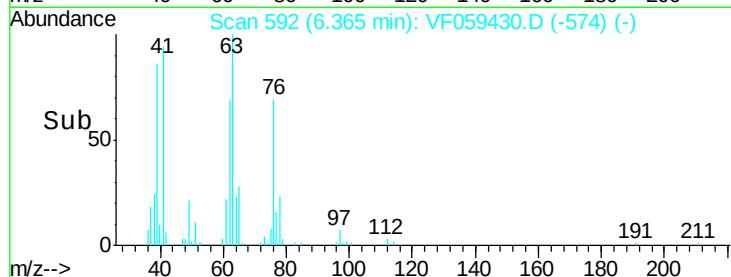
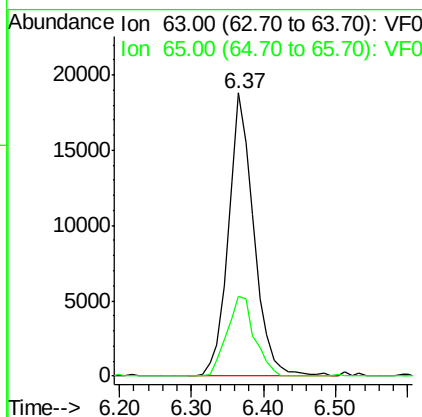
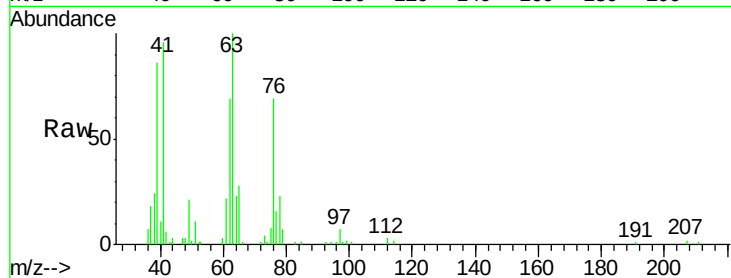
#45
1,2-Dichloropropane
Concen: 22.333 ug/l
RT: 6.37 min Scan# 592
Delta R.T. -0.02 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.4	25.3	37.9

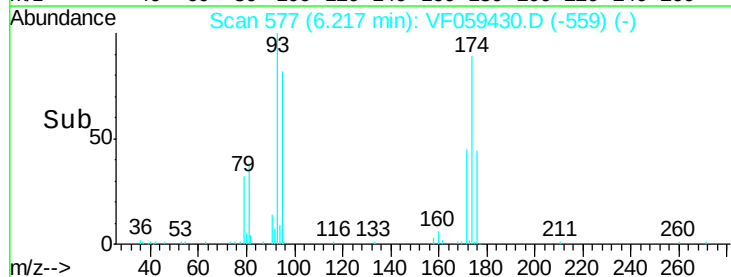
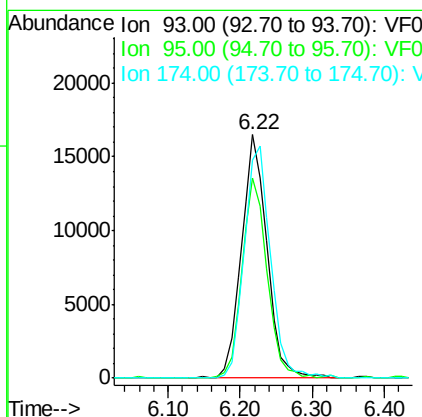
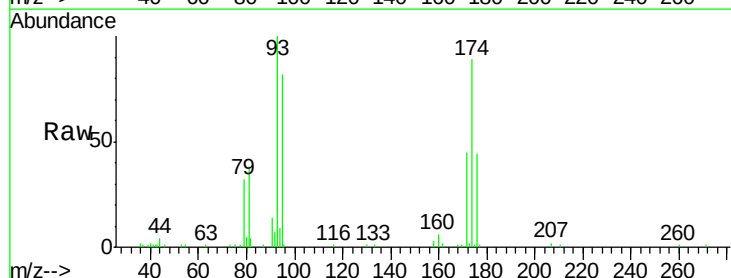
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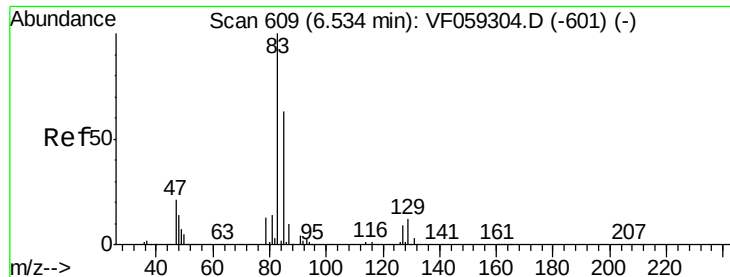
apatel
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#46
Dibromomethane
Concen: 22.819 ug/l
RT: 6.22 min Scan# 577
Delta R.T. -0.02 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.6	98.4
174	90.5	80.0	120.0





#47

Bromodichloromethane

Concen: 22.595 ug/l

RT: 6.51 min Scan# 607

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

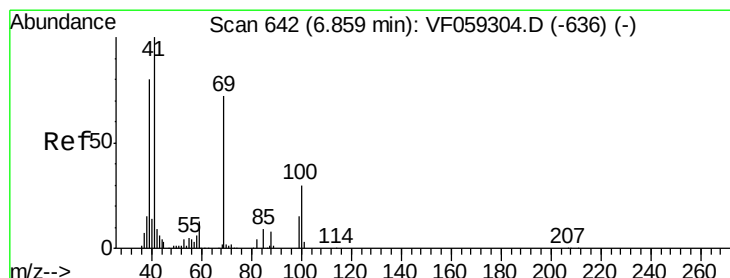
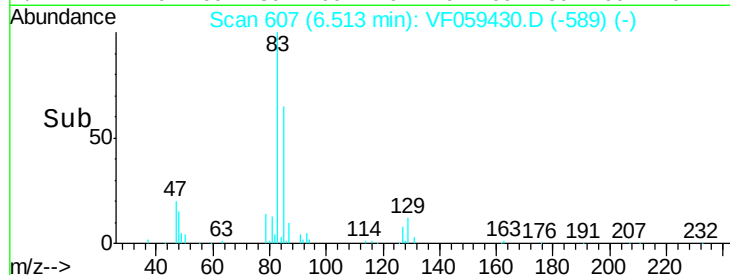
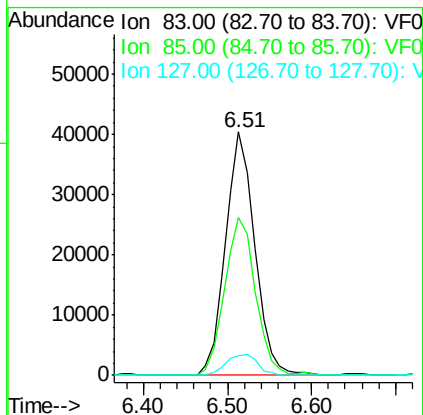
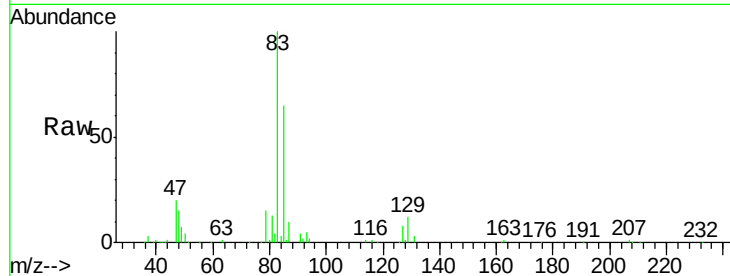
ClientSampleId :

VF0705SBSD01

Tot Ion:	83	Resp:	98019
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.2
127	8.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.905 ug/l

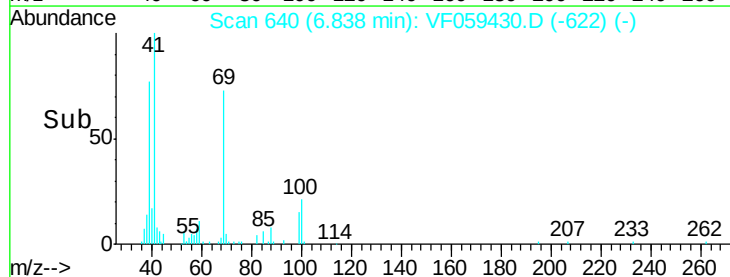
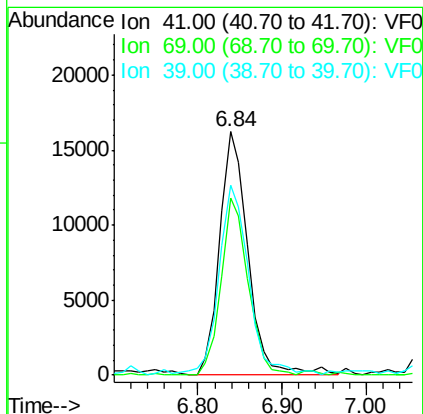
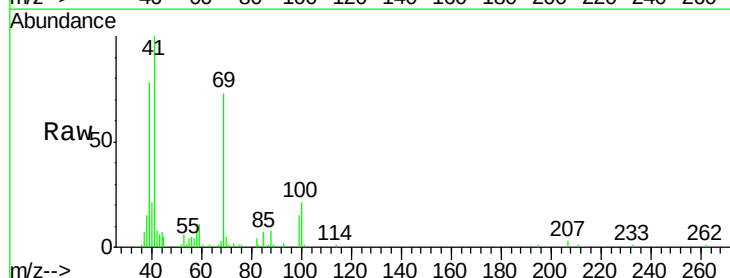
RT: 6.84 min Scan# 640

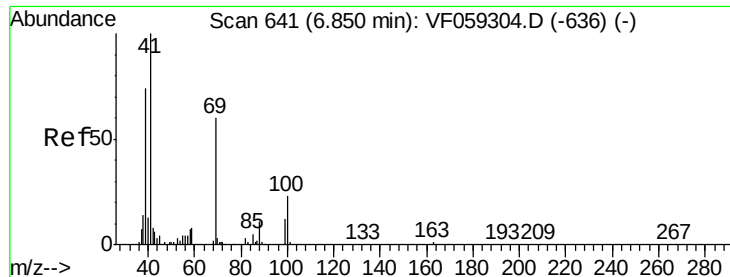
Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion:	41	Resp:	38039
Ion	Ratio	Lower	Upper
41	100		
69	72.5	57.3	85.9
39	78.2	64.4	96.6





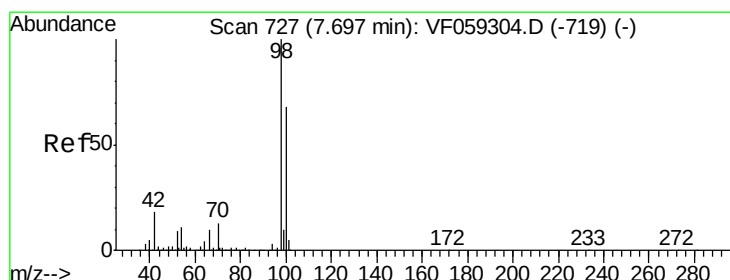
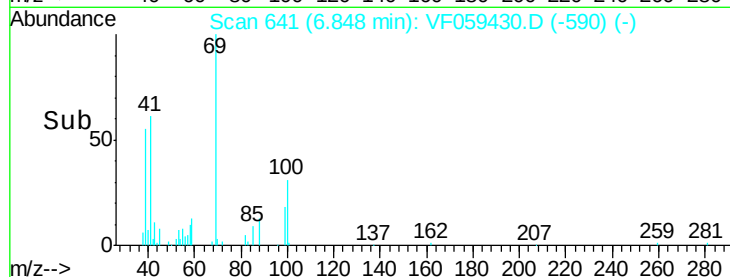
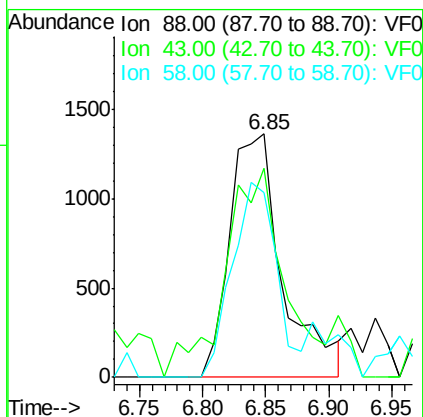
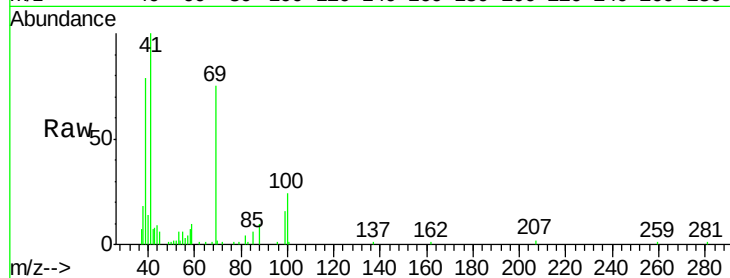
#49
1,4-Dioxane
Concen: 382.654 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.00 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBS01

Tot Ion	88	Resp	3970
Ion	Ratio	Lower	Upper
88	100		
43	86.1	50.6	75.8#
58	76.0	46.6	69.8#

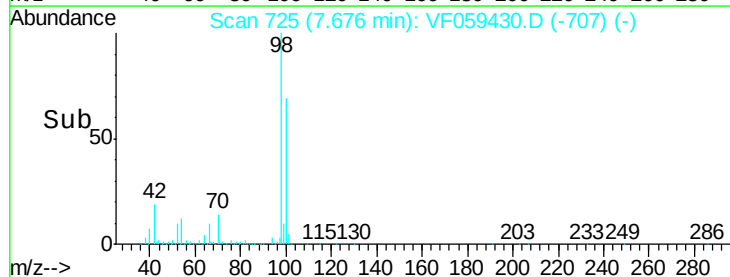
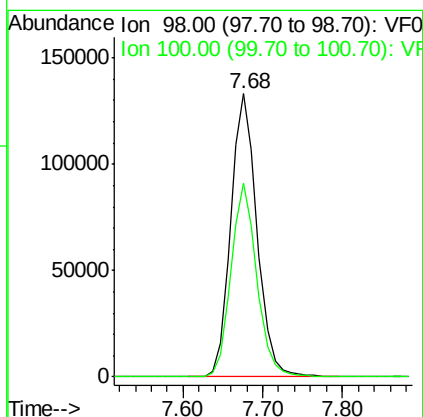
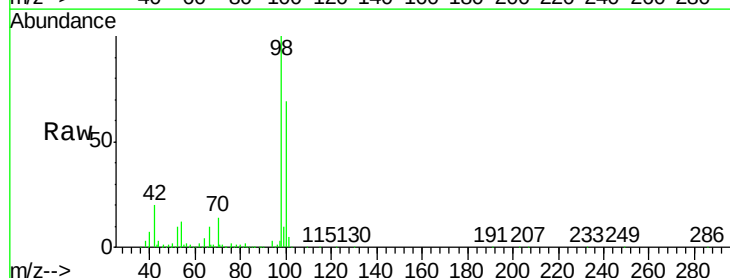
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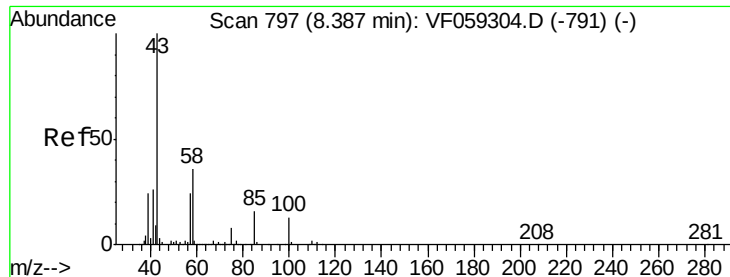
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7/6/2018 10:00:39 AM



#50
Toluene-d8
Concen: 45.376 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.02 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Tgt Ion	98	Resp	306276
Ion	Ratio	Lower	Upper
98	100		
100	68.6	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 111.360 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBS01

Tot Ion: 43 Resp: 223982

Ion Ratio Lower Upper

43 100

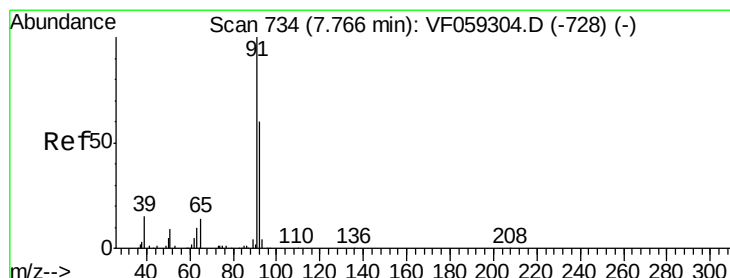
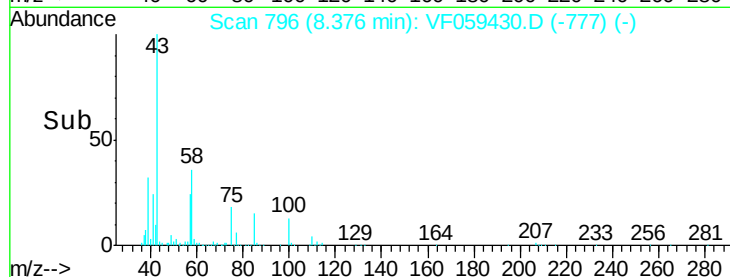
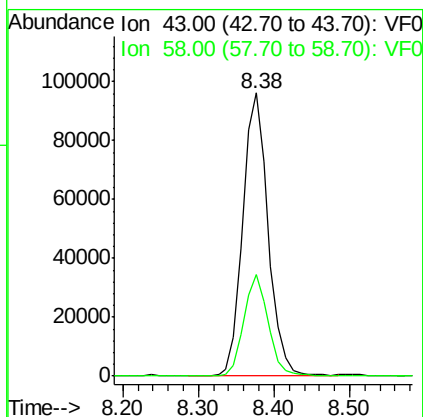
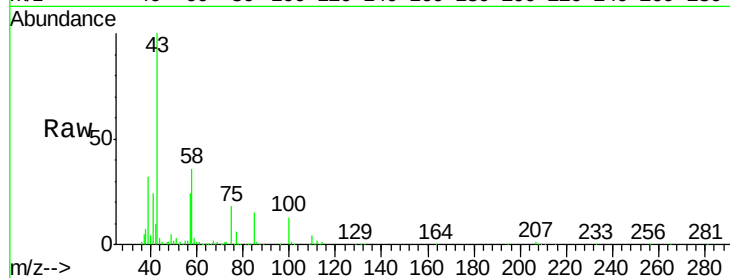
58 36.1 28.4 42.6

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#52

Toluene

Concen: 21.308 ug/l

RT: 7.75 min Scan# 732

Delta R.T. -0.02 min

Lab File: VF059430.D

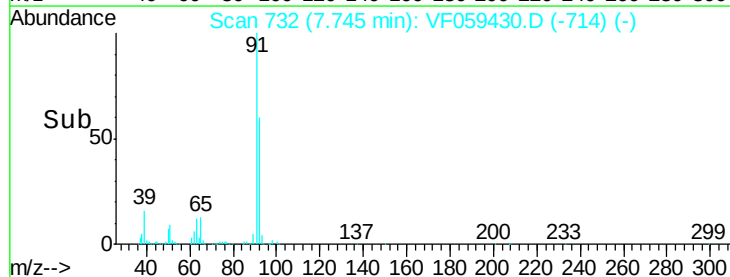
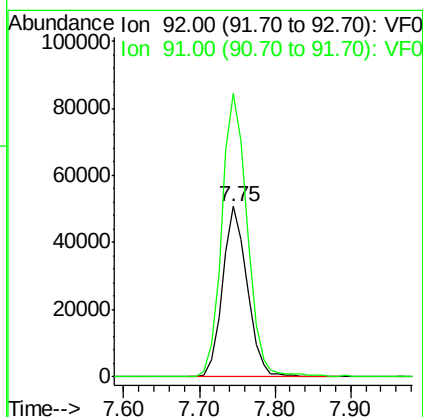
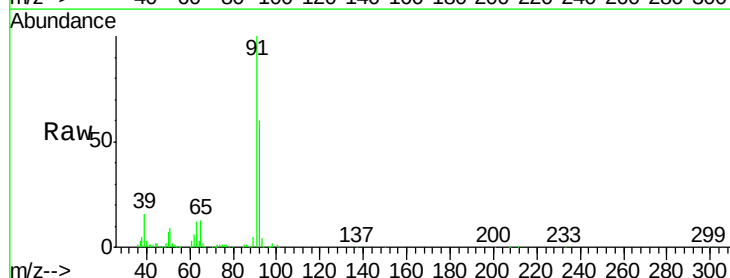
Acq: 5 Jul 2018 13:25

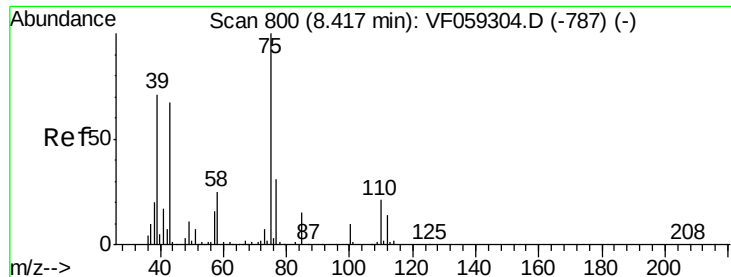
Tgt Ion: 92 Resp: 115223

Ion Ratio Lower Upper

92 100

91 166.1 132.8 199.2





#53

t-1,3-Dichloropropene

Concen: 22.854 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBSD01

Tot Ion: 75 Resp: 90368

Ion Ratio Lower Upper

75 100

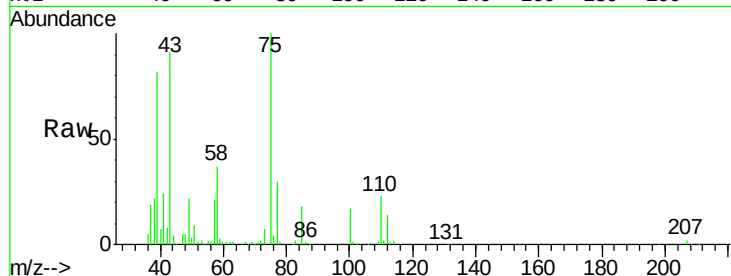
77 29.9 25.3 37.9

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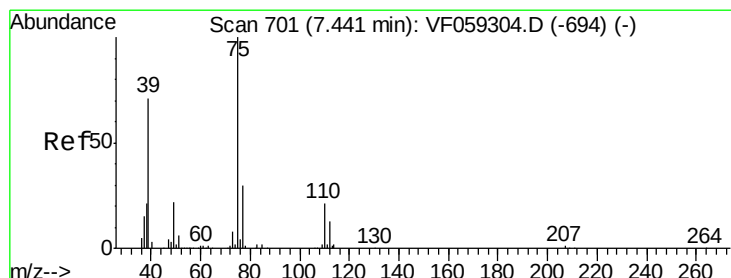
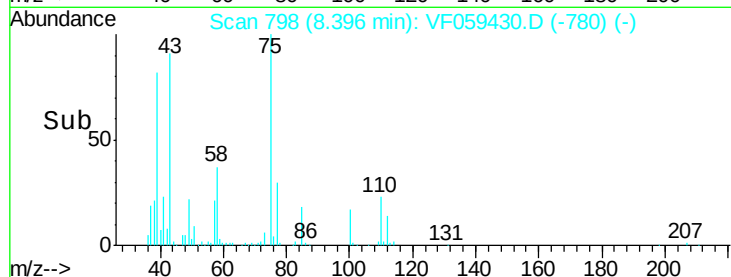
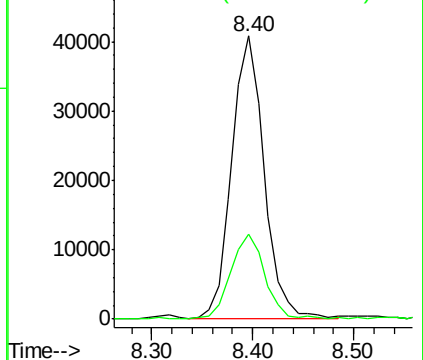
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 22.476 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

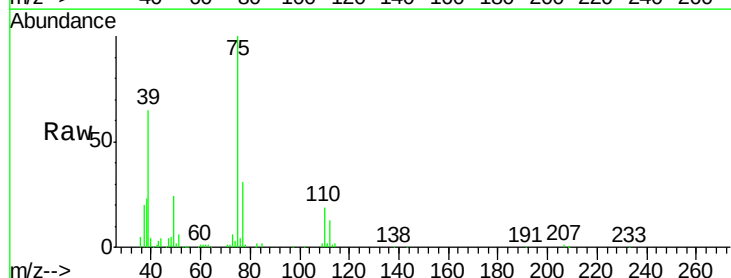
Tgt Ion: 75 Resp: 96536

Ion Ratio Lower Upper

75 100

77 31.0 24.3 36.5

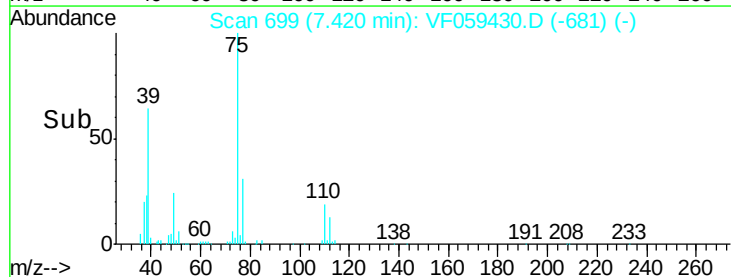
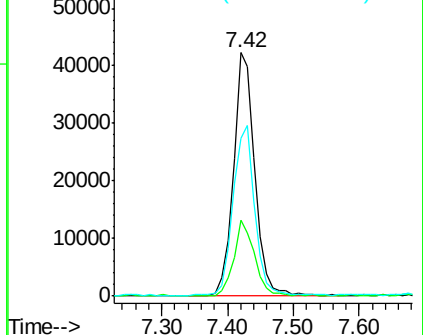
39 64.8 57.2 85.8

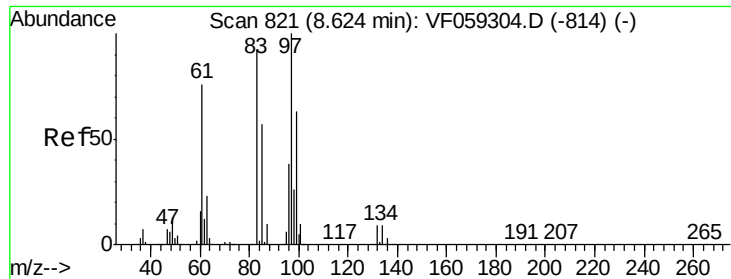


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.198 ug/l

RT: 8.60 min Scan# 819

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

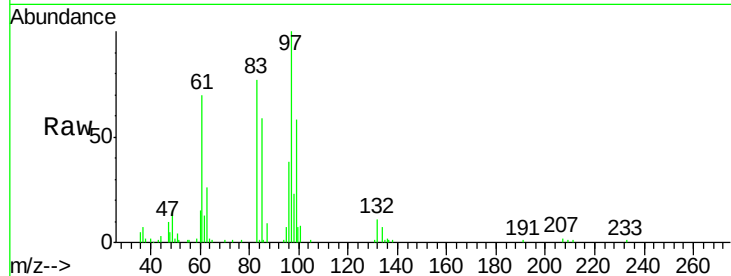
ClientSampleId :

VF0705SBSD01

Tot Ion:	97	Resp:	44507
Ion	Ratio	Lower	Upper
97	100		
83	77.3	73.8	110.8
85	59.5	45.5	68.3
99	57.9	50.7	76.1

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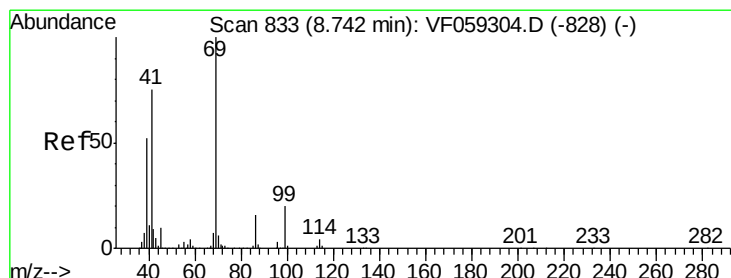
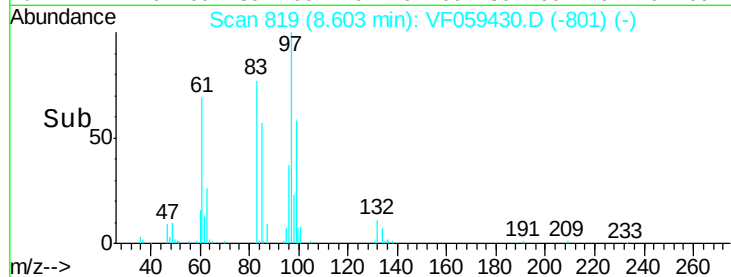
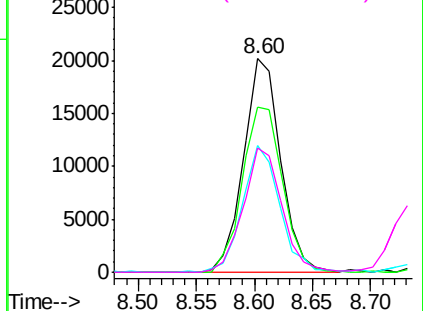


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.584 ug/l

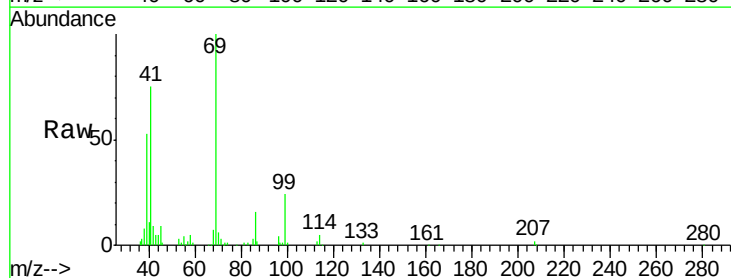
RT: 8.73 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

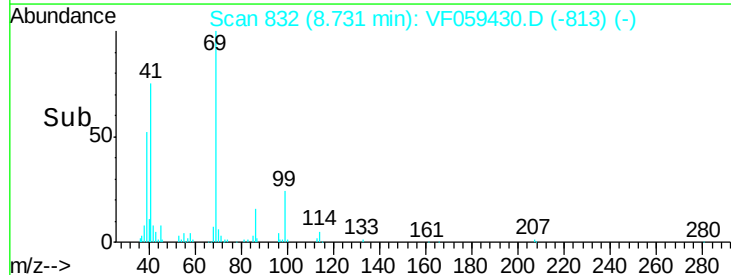
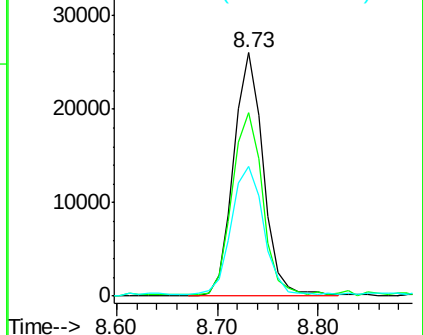
Tgt Ion:	69	Resp:	53537
Ion	Ratio	Lower	Upper
69	100		
41	75.2	60.3	90.5
39	53.3	42.2	63.4

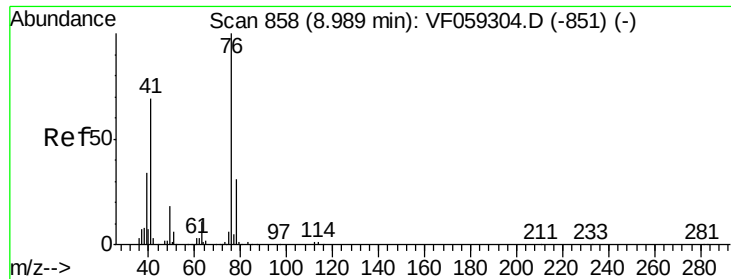


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.048 ug/l

RT: 8.97 min Scan# 856

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBS01

Tot Ion: 76 Resp: 79392

Ion Ratio Lower Upper

76 100

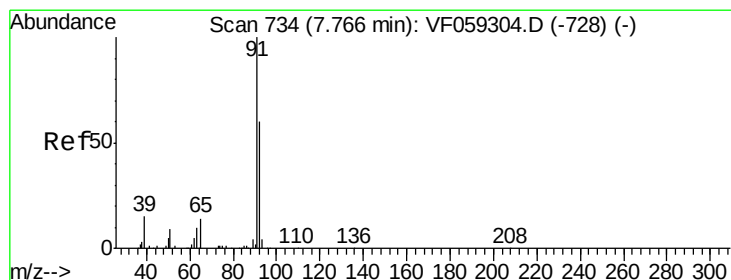
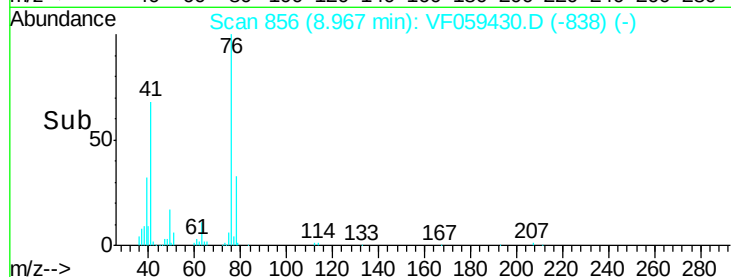
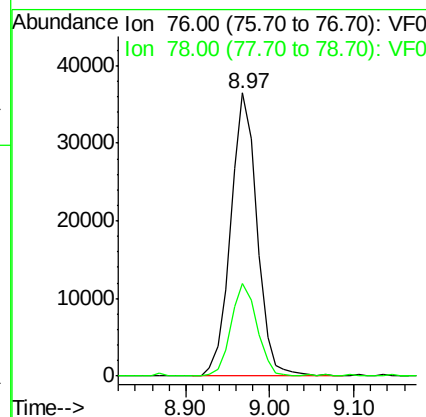
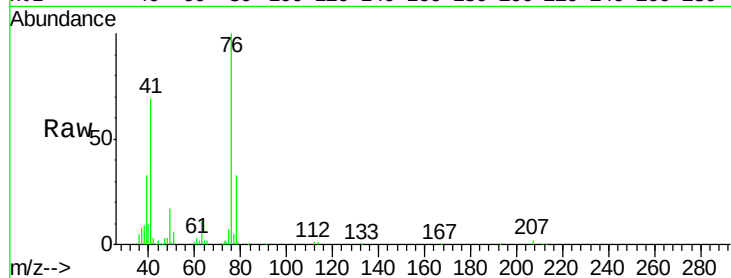
78 32.8 24.9 37.3

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#58

2-Chloroethyl Vinyl ether

Concen: 118.243 ug/l

RT: 7.75 min Scan# 732

Delta R.T. -0.02 min

Lab File: VF059430.D

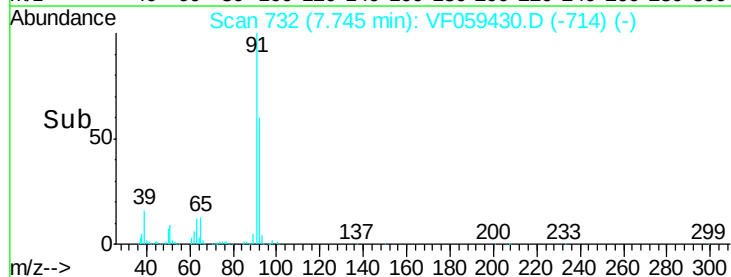
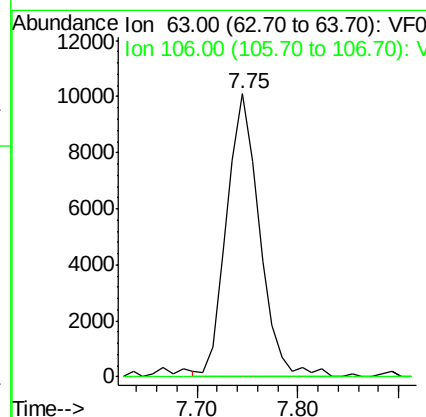
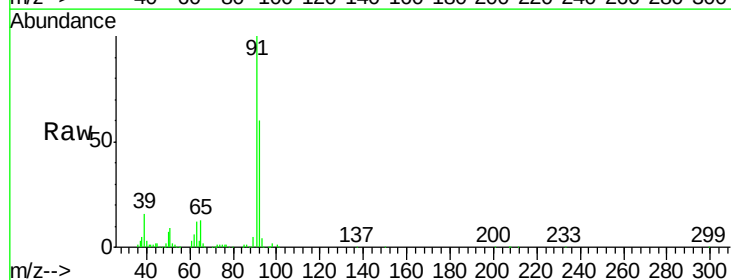
Acq: 5 Jul 2018 13:25

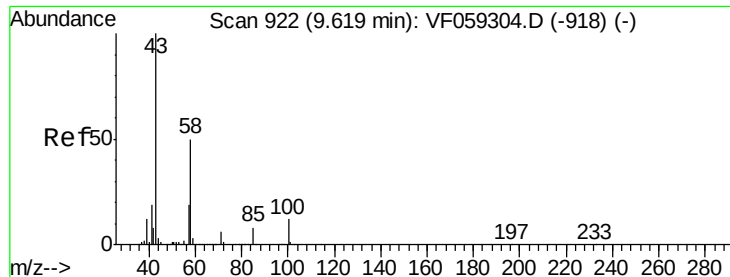
Tgt Ion: 63 Resp: 23065

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 115.178 ug/l

RT: 9.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBSD01

Tot Ion: 43 Resp: 187807

Ion Ratio Lower Upper

43 100

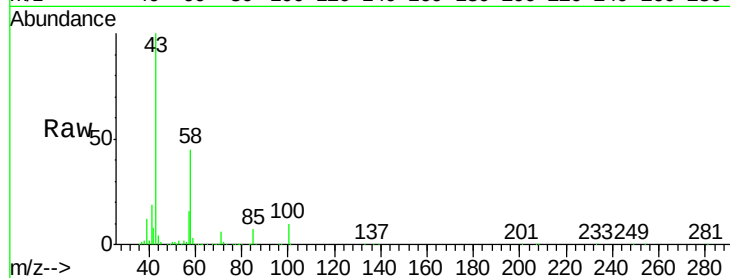
58 44.5 23.3 69.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.60

80000

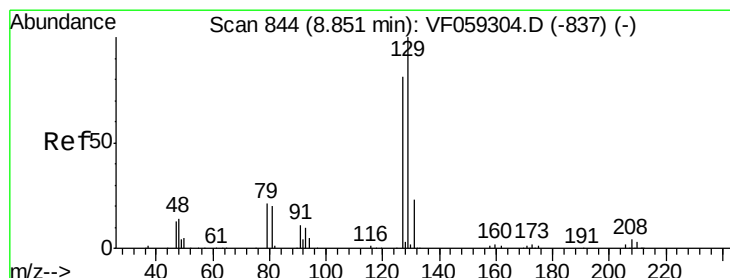
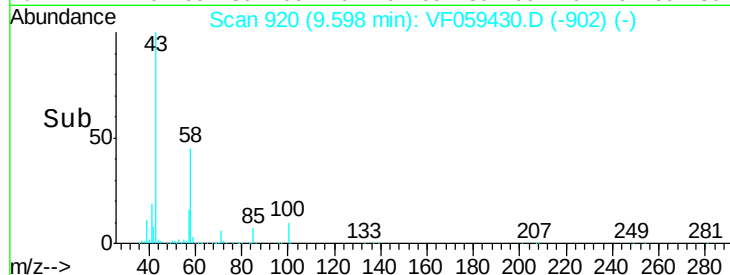
60000

40000

20000

0

Time-->



#60

Dibromochloromethane

Concen: 22.675 ug/l

RT: 8.83 min Scan# 842

Delta R.T. -0.02 min

Lab File: VF059430.D

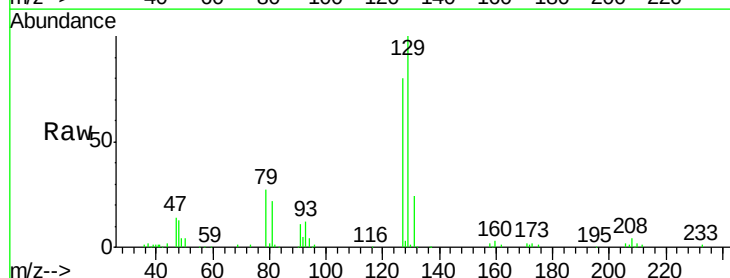
Acq: 5 Jul 2018 13:25

Tgt Ion: 129 Resp: 73498

Ion Ratio Lower Upper

129 100

127 80.1 40.7 122.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.83

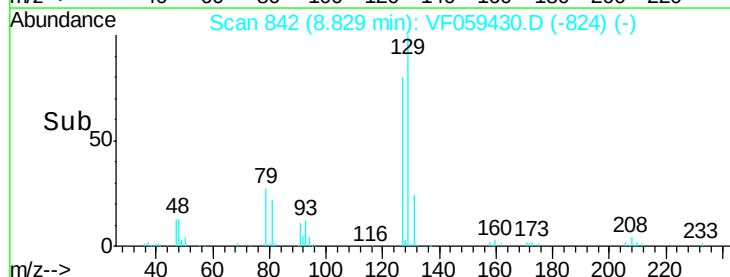
30000

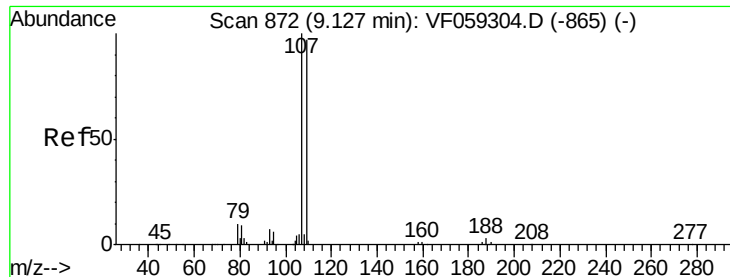
20000

10000

0

Time-->





#61

1,2-Dibromoethane

Concen: 21.624 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBS01

Tot Ion: 107 Resp: 55062

Ion Ratio Lower Upper

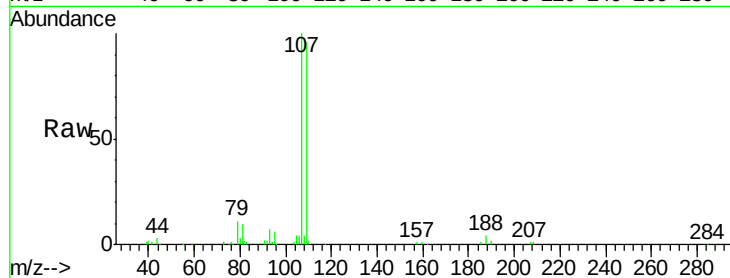
107 100

109 95.9 77.3 115.9

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.11

25000

20000

15000

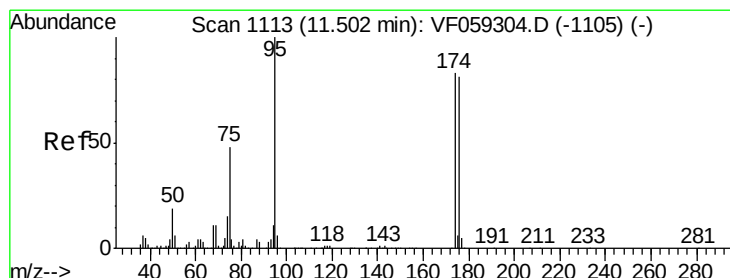
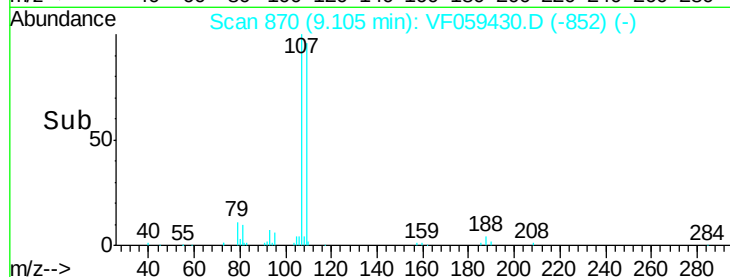
10000

5000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 49.022 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

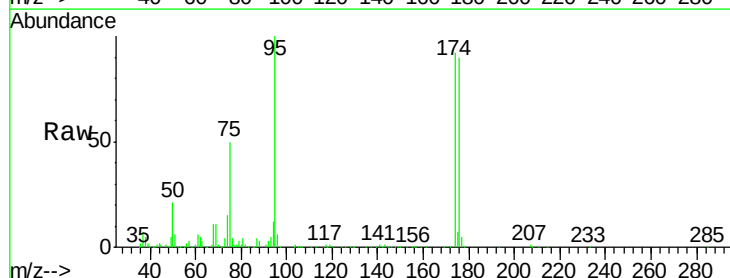
Tgt Ion: 95 Resp: 186649

Ion Ratio Lower Upper

95 100

174 91.7 0.0 165.2

176 89.8 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

11.49

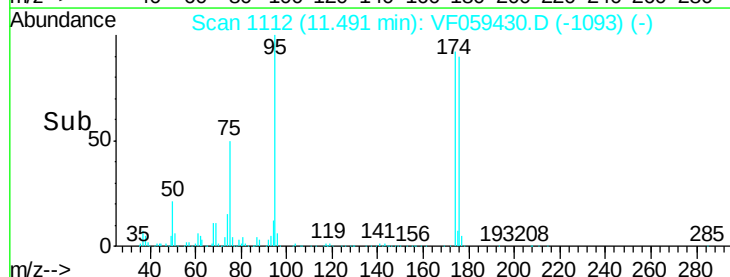
100000

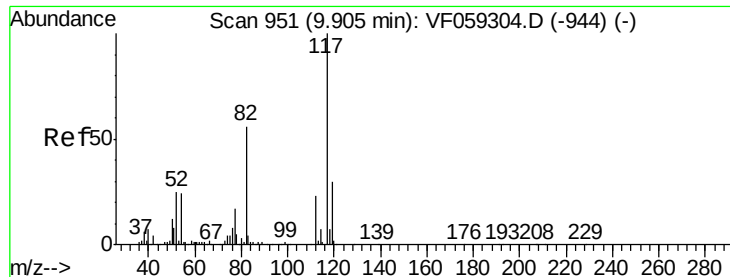
50000

0

11.40 11.50 11.60

Time-->





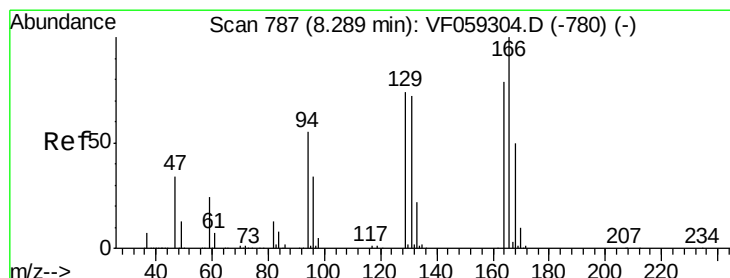
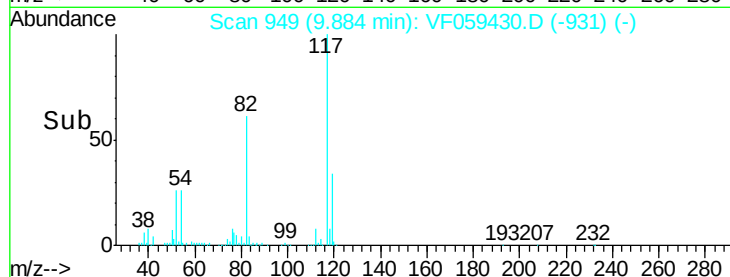
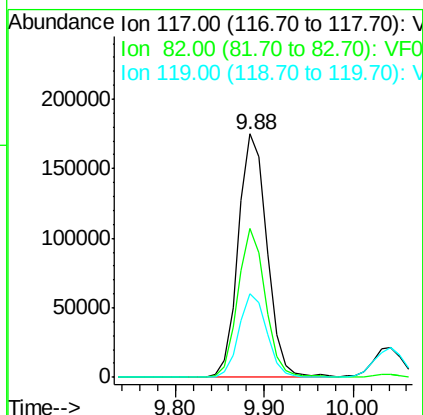
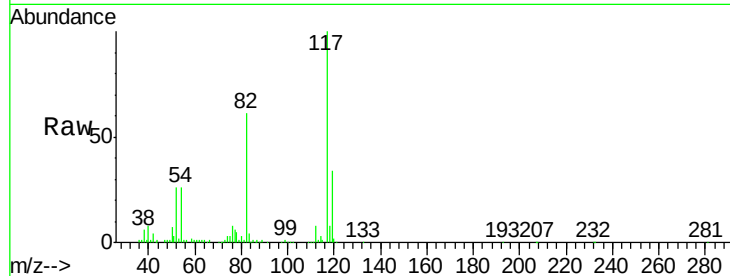
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBSD01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	60.9	44.6	66.8
119	34.5	24.1	36.1

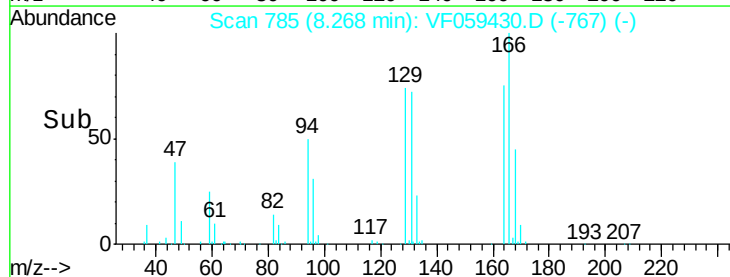
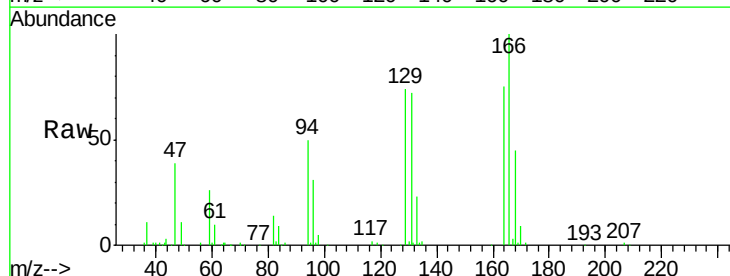
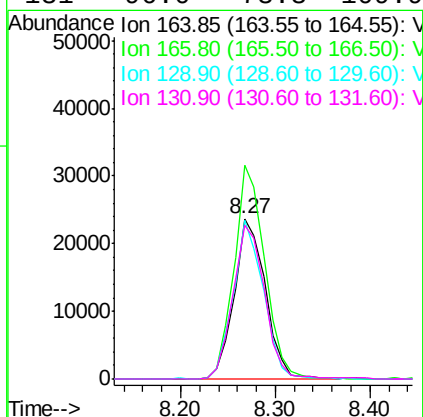
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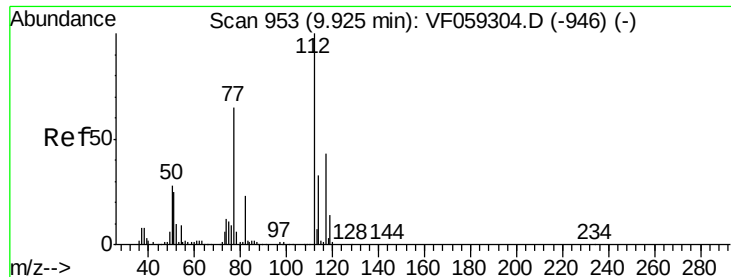
apatel
7/6/2018 10:00:39 AM



#64
Tetrachloroethene
Concen: 21.307 ug/l
RT: 8.27 min Scan# 785
Delta R.T. -0.02 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	133.4	101.1	151.7
129	98.9	75.0	112.4
131	96.0	73.3	109.9





#65

Chlorobenzene

Concen: 20.979 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBSD01

Tot Ion:112 Resp: 152561

Ion Ratio Lower Upper

112 100

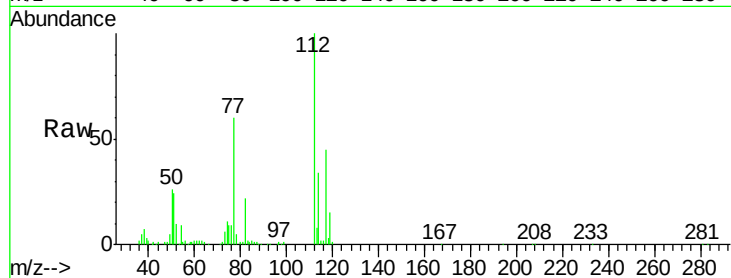
114 33.5 26.5 39.7

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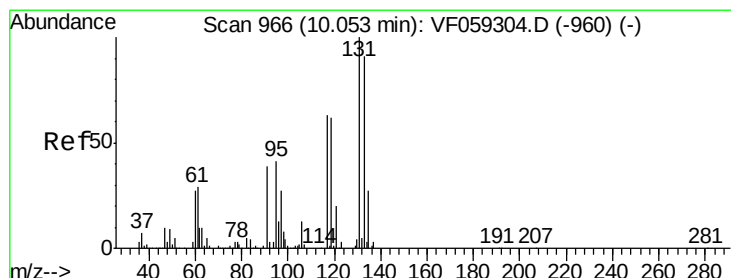
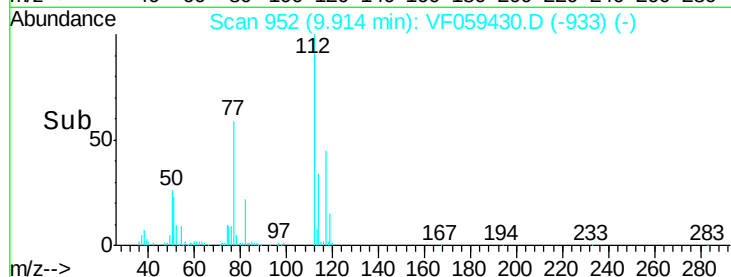
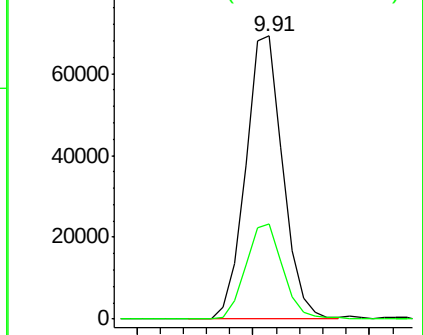
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.567 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

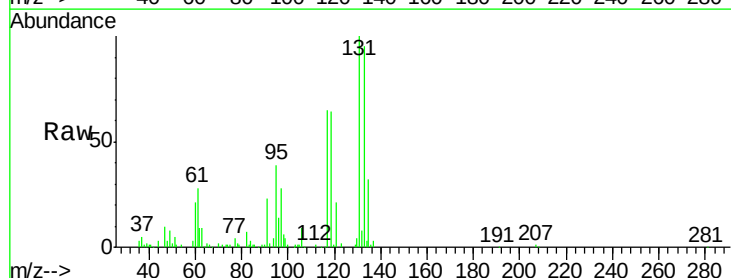
Tgt Ion:131 Resp: 70979

Ion Ratio Lower Upper

131 100

133 94.8 45.3 135.9

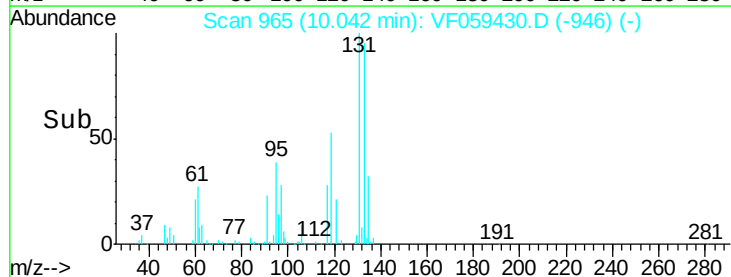
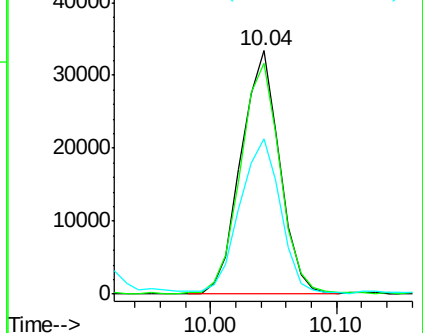
119 64.0 31.3 93.9

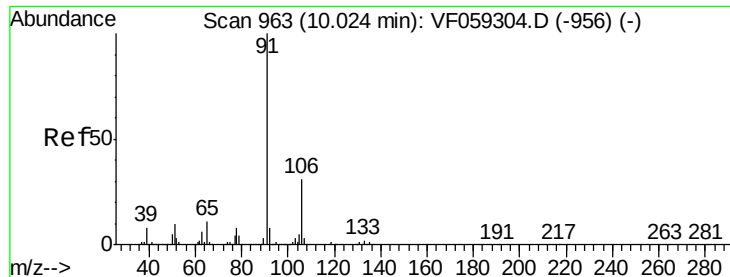


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.901 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tot Ion: 91 Resp: 270193

Ion Ratio Lower Upper

91 100

106 30.2 24.8 37.2

Instrument :

MSVOA_F

ClientSampleId :

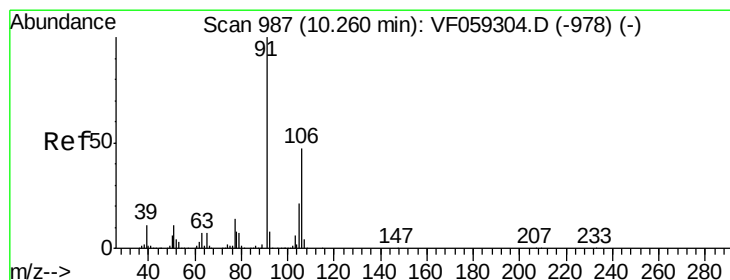
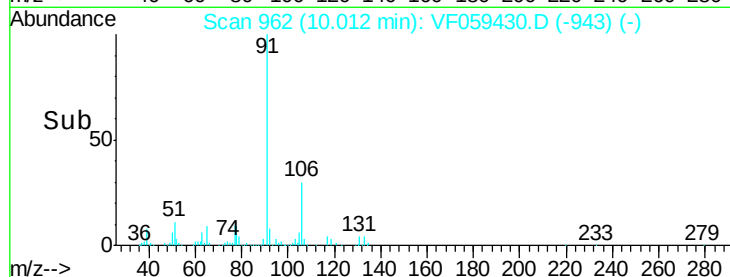
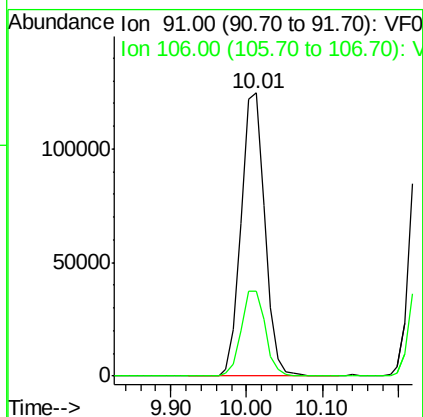
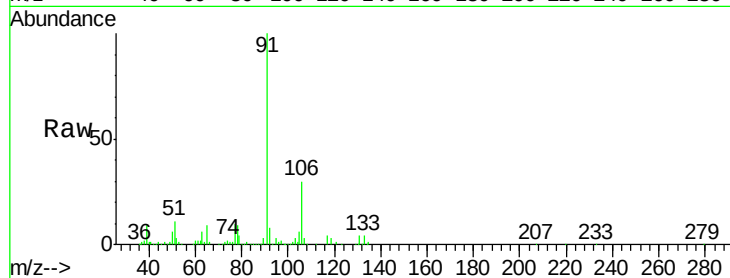
VF0705SBSD01

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.279 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.02 min

Lab File: VF059430.D

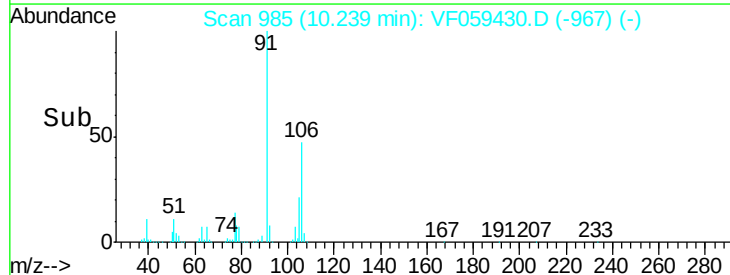
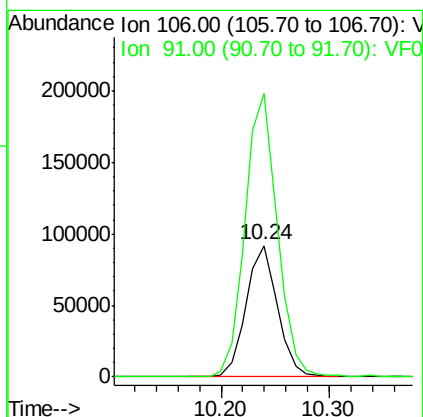
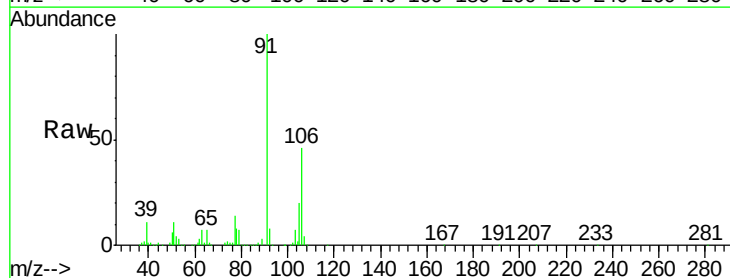
Acq: 5 Jul 2018 13:25

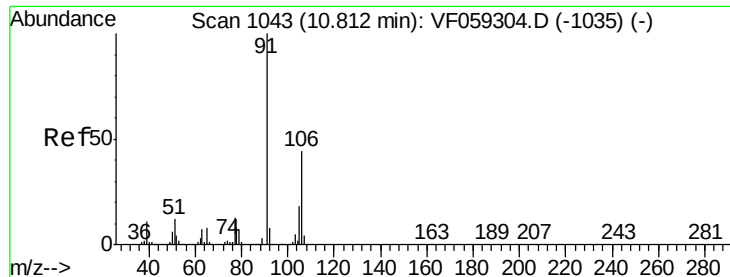
Tgt Ion: 106 Resp: 185648

Ion Ratio Lower Upper

106 100

91 215.3 170.8 256.2





#69

o-Xylene

Concen: 22.194 ug/l

RT: 10.80 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBS01

Tot Ion:106 Resp: 109003

Ion Ratio Lower Upper

106 100

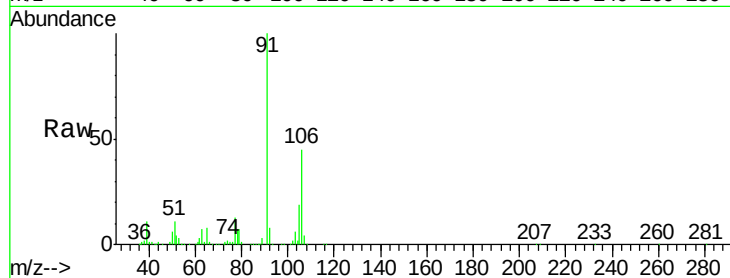
91 223.4 114.6 343.6

Manual Integrations

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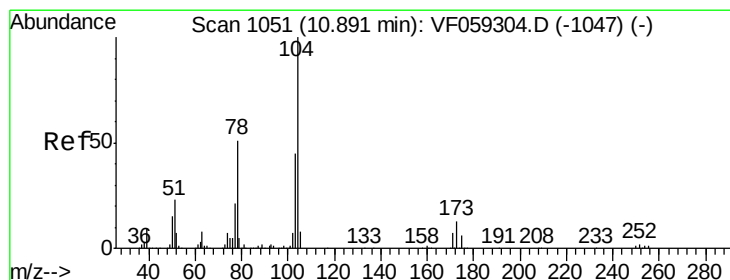
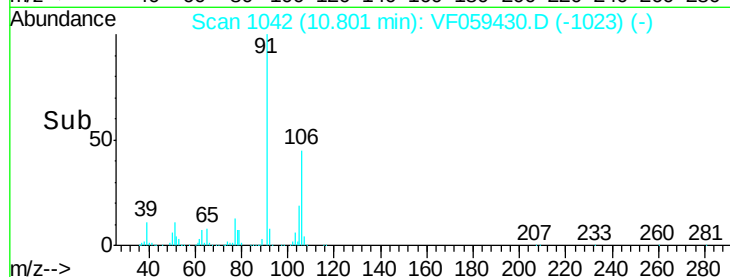
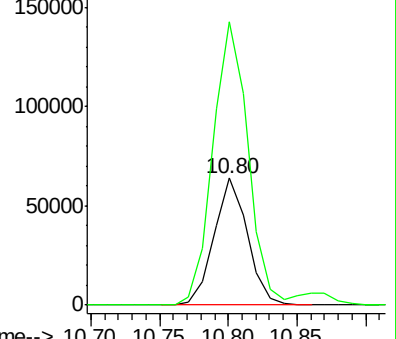
apatel

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#70

Styrene

Concen: 21.242 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

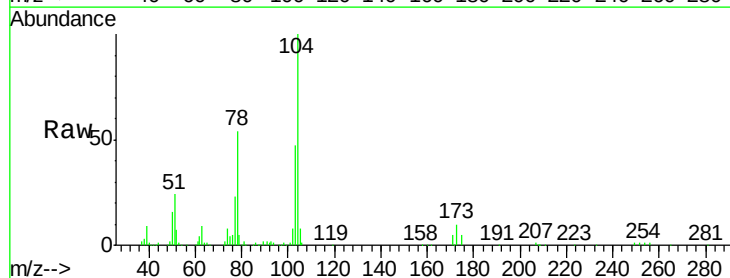
Tgt Ion:104 Resp: 158924

Ion Ratio Lower Upper

104 100

78 53.6 40.9 61.3

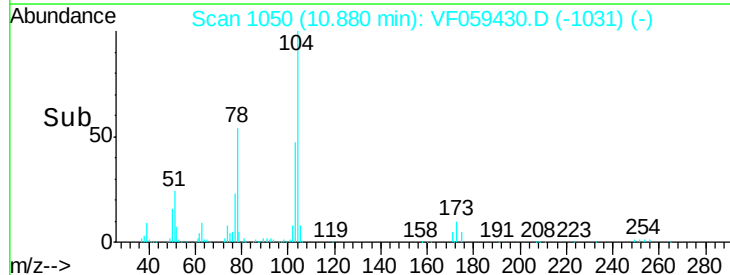
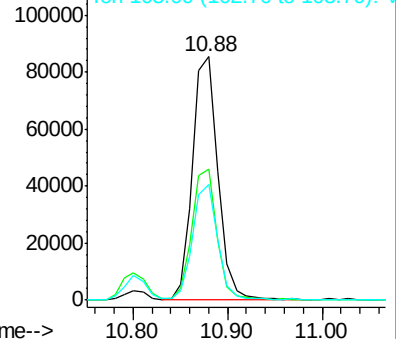
103 47.3 36.5 54.7

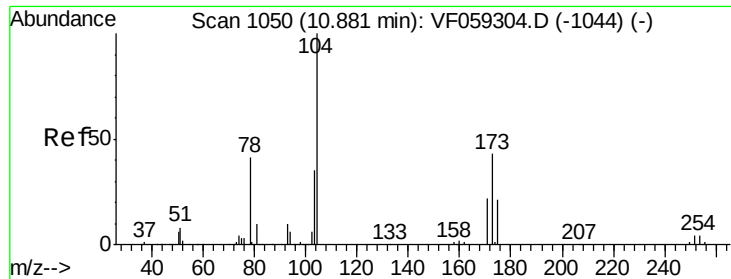


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.285 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

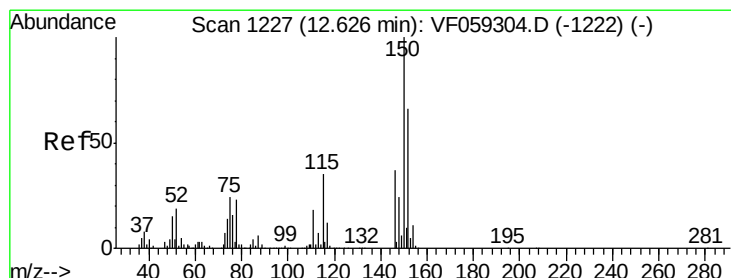
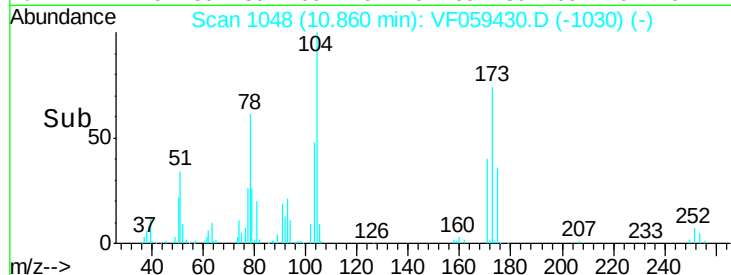
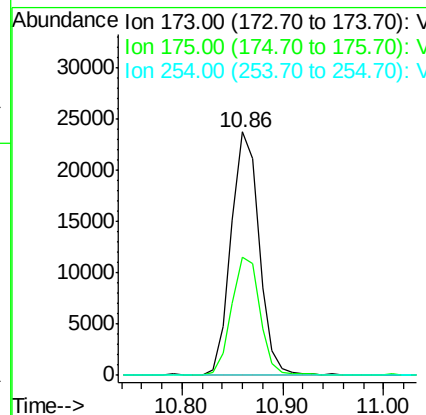
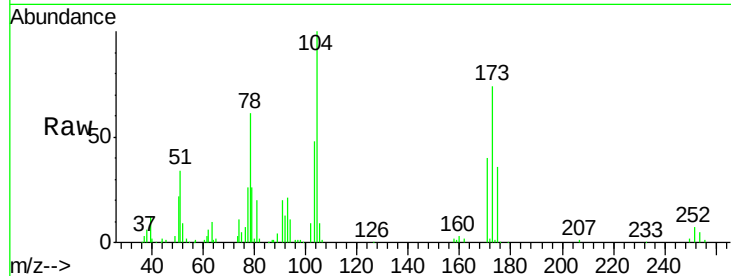
ClientSampleId :

VF0705SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.2	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

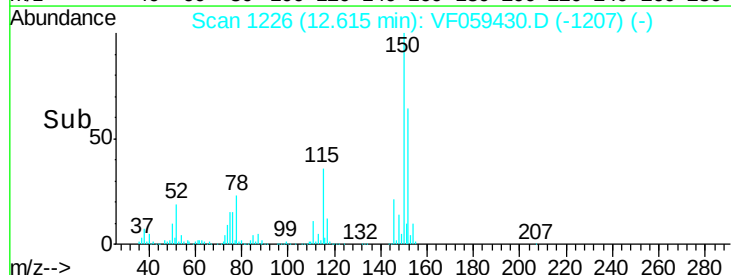
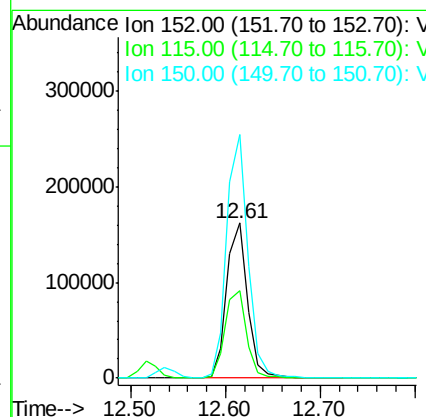
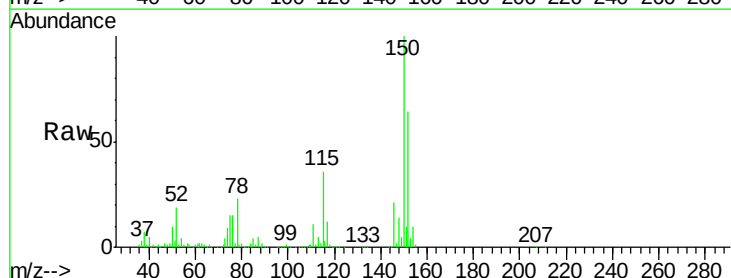
RT: 12.61 min Scan# 1226

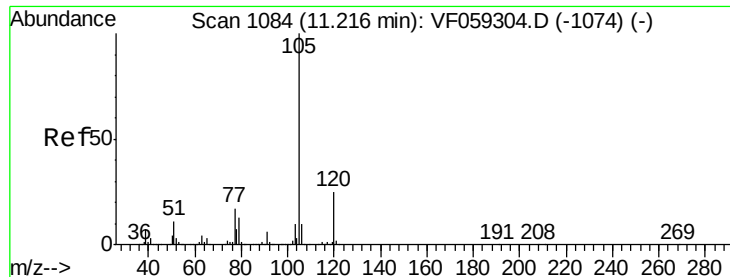
Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	56.8	27.1	81.3	
150	156.9	0.0	305.2	





#73

Isopropylbenzene

Concen: 22.094 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBS01

Tot Ion:105 Resp: 318072

Ion Ratio Lower Upper

105 100

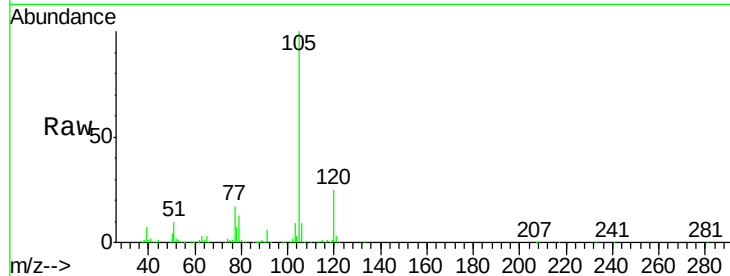
120 24.8 12.3 36.8

Manual Integrations

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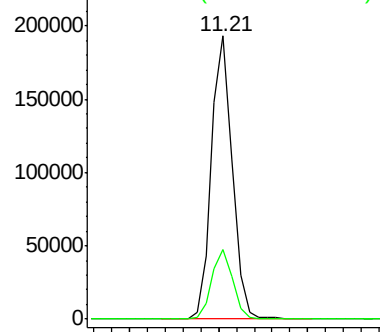
apatel

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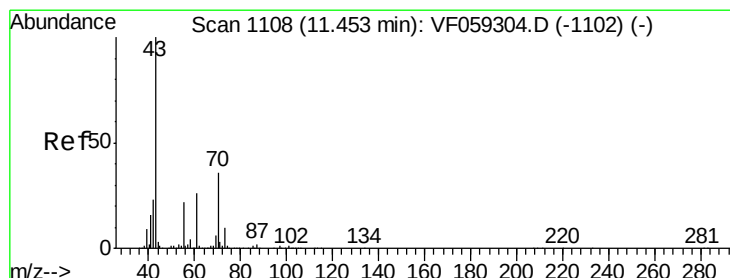
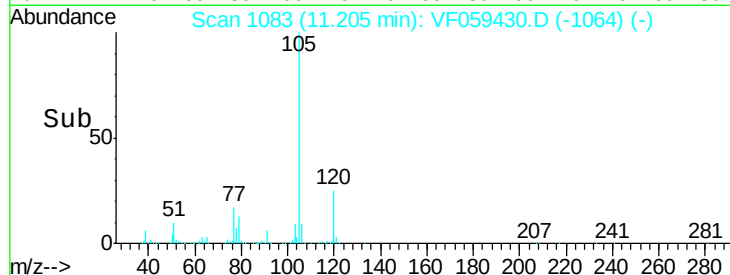


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 21.223 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion: 43 Resp: 110870

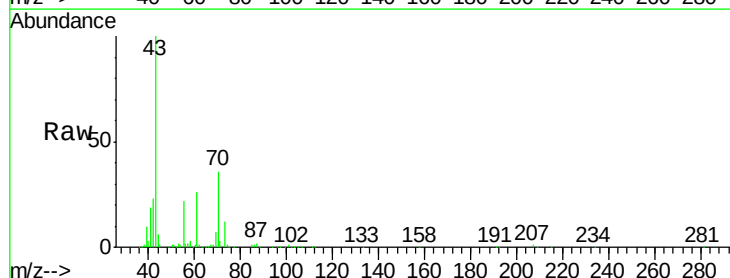
Ion Ratio Lower Upper

43 100

70 35.8 28.8 43.2

55 21.7 17.4 26.0

61 26.0 21.1 31.7

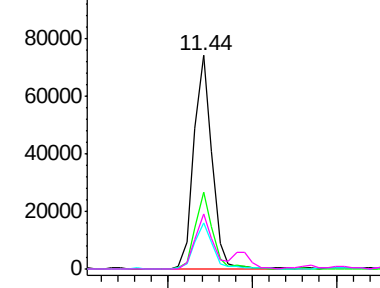


Abundance Ion 43.00 (42.70 to 43.70): VF0

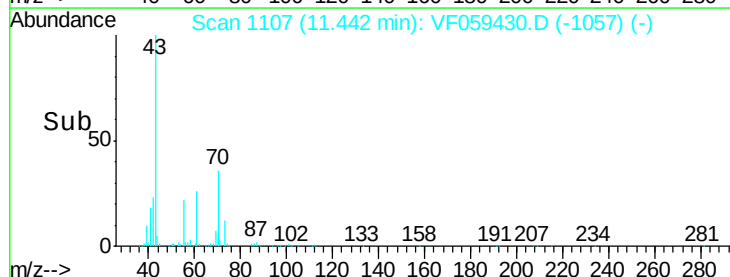
Ion 70.00 (69.70 to 70.70): VF0

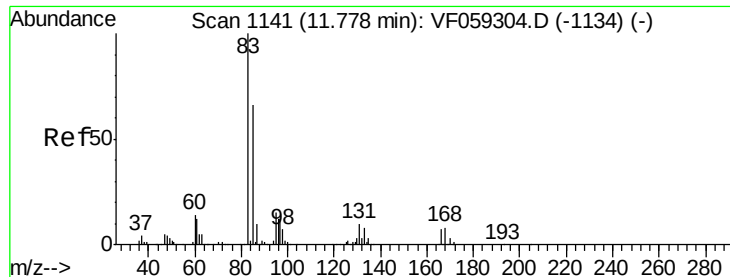
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.399 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

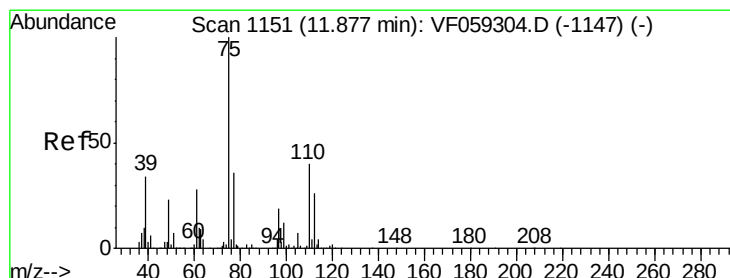
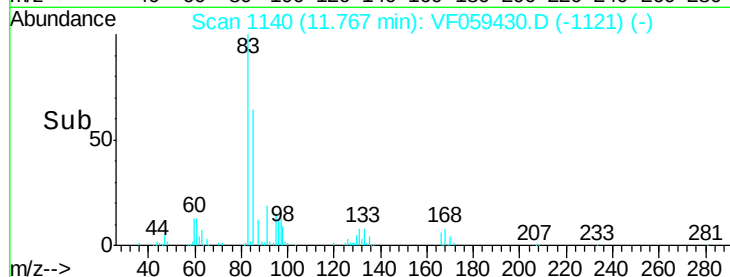
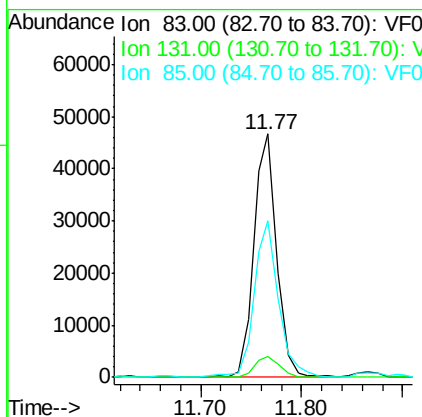
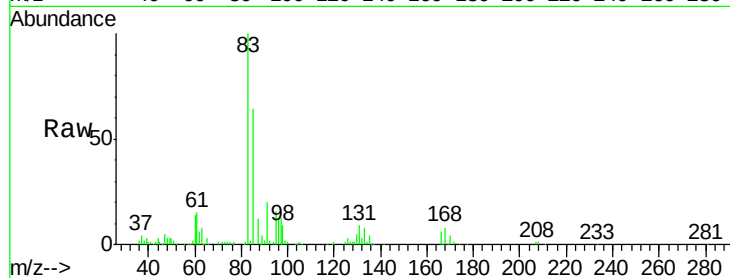
ClientSampleId :

VF0705SBSD01

Tot Ion:	83	Resp:	74167
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.9	14.6
85	64.4	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.125 ug/l

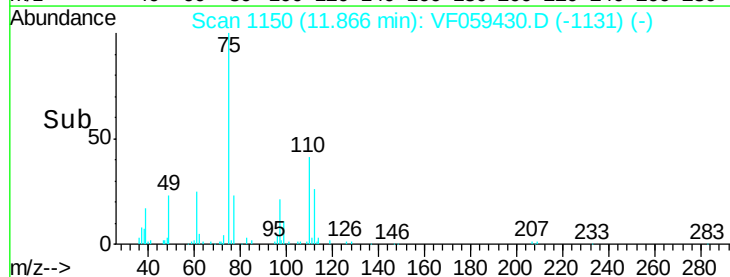
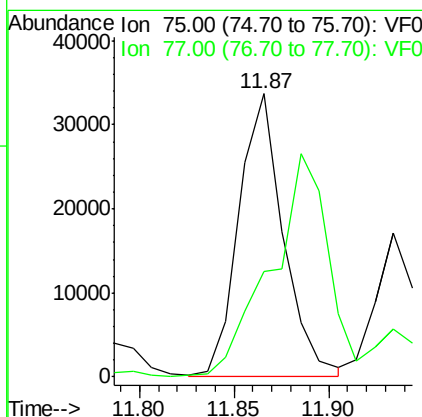
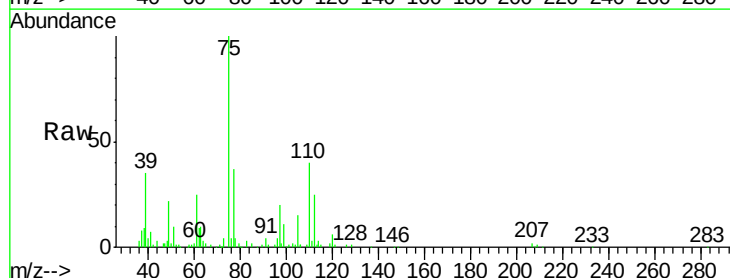
RT: 11.87 min Scan# 1150

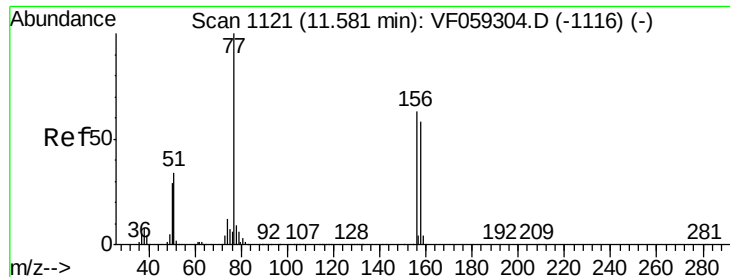
Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion:	75	Resp:	55195
Ion Ratio	Lower	Upper	
75	100		
77	37.2	18.0	54.0





#77

Bromobenzene

Concen: 20.598 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

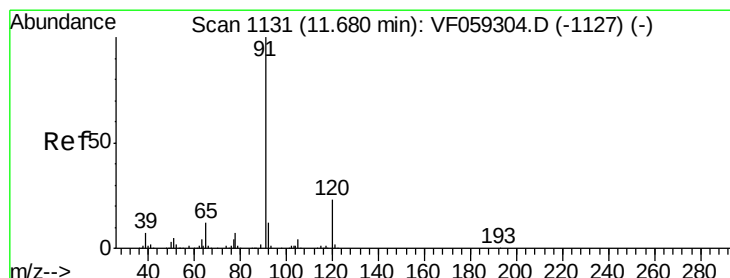
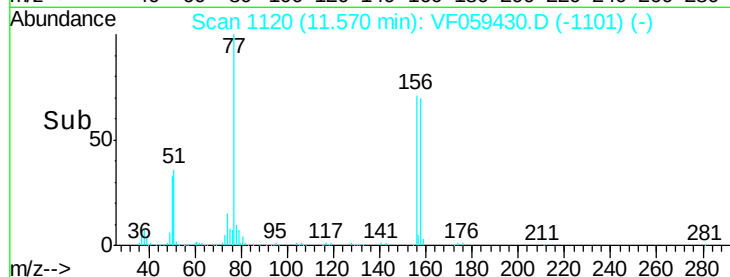
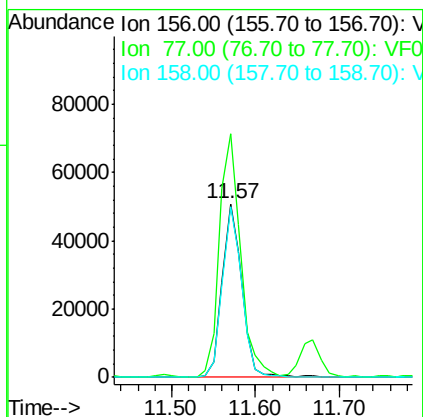
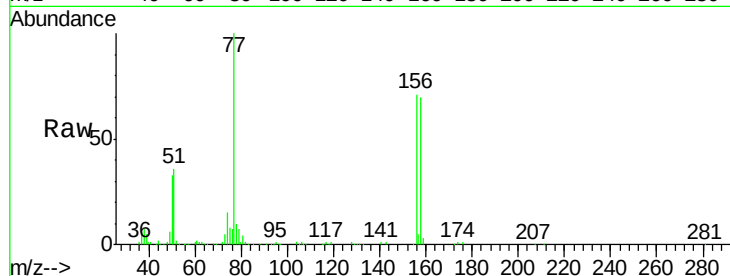
ClientSampleId :

VF0705SBS01

Tot Ion:	156	Resp:	82271
Ion	Ratio	Lower	Upper
156	100		
77	140.1	79.7	238.9
158	98.1	46.2	138.6

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#78

n-propylbenzene

Concen: 21.763 ug/l

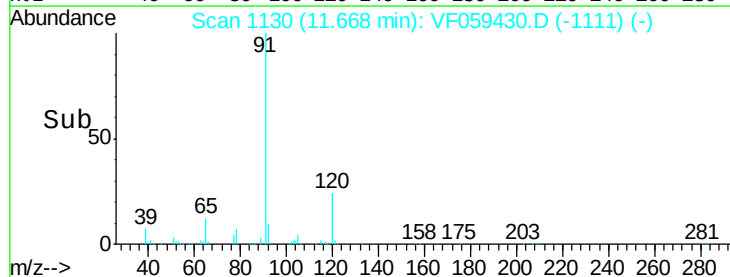
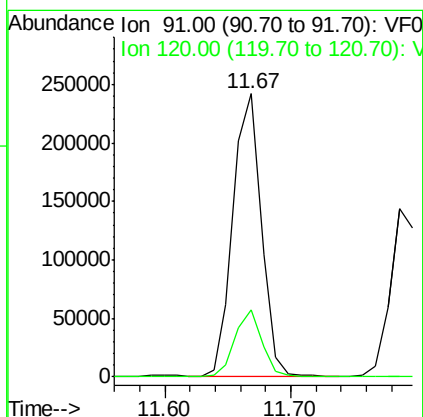
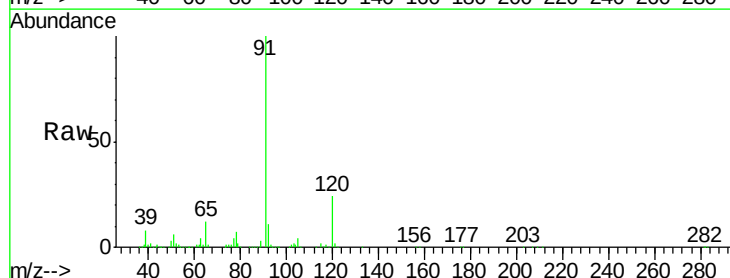
RT: 11.67 min Scan# 1130

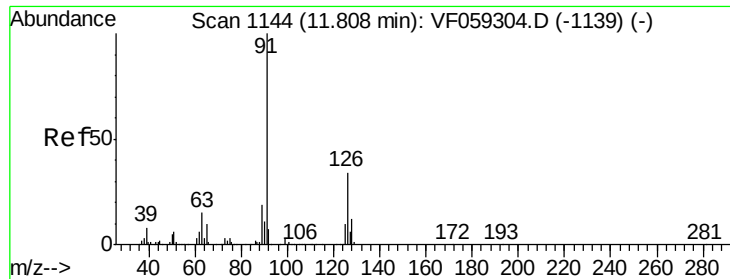
Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Tgt Ion:	91	Resp:	376264
Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.7	35.0





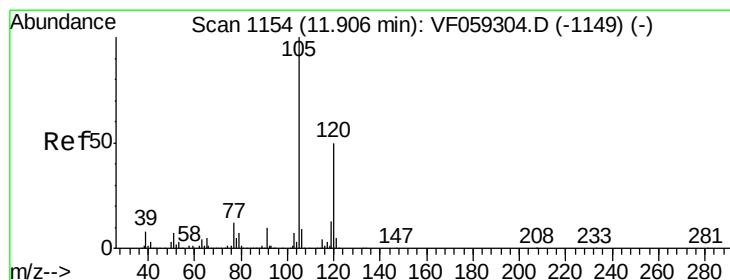
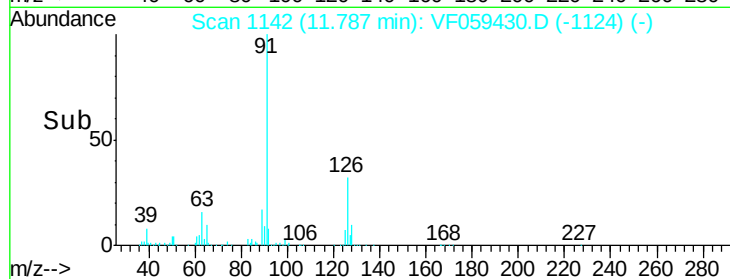
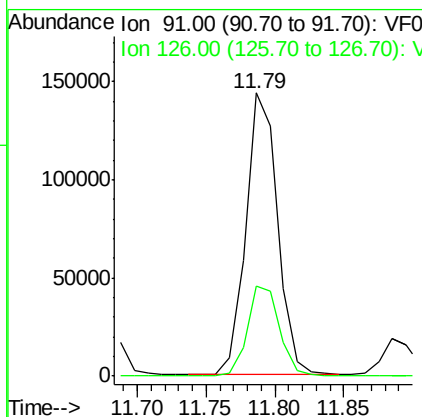
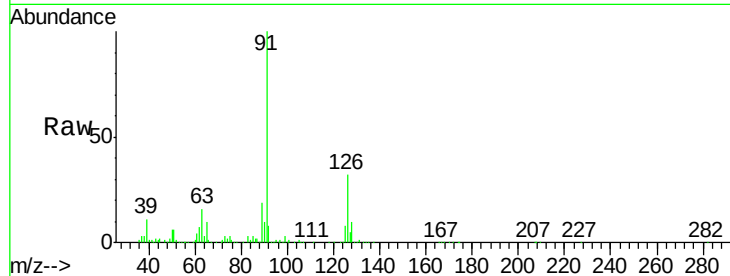
#79
2-Chlorotoluene
Concen: 21.900 ug/l
RT: 11.79 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.9	17.2	51.5

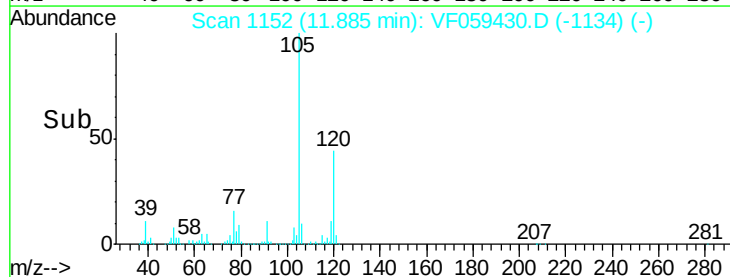
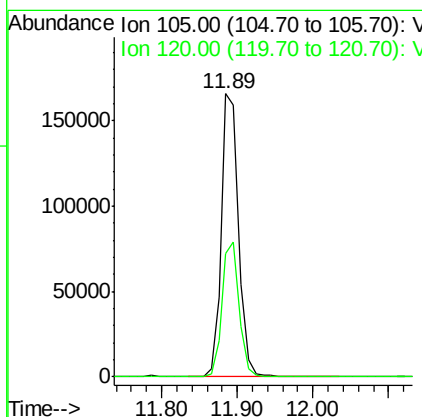
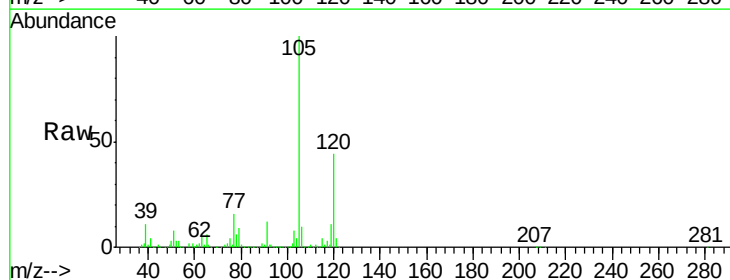
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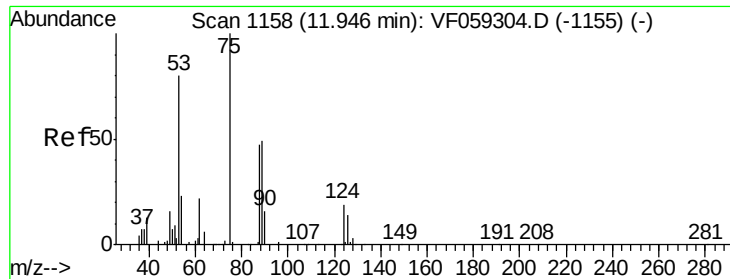
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 21.019 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. -0.02 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	24.9	74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.975 ug/l

RT: 11.93 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF059430.D

Acq: 5 Jul 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF0705SBSD01

Tot Ion: 75 Resp: 34239

Ion Ratio Lower Upper

75 100

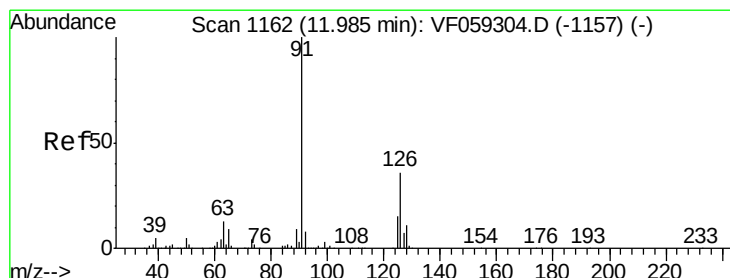
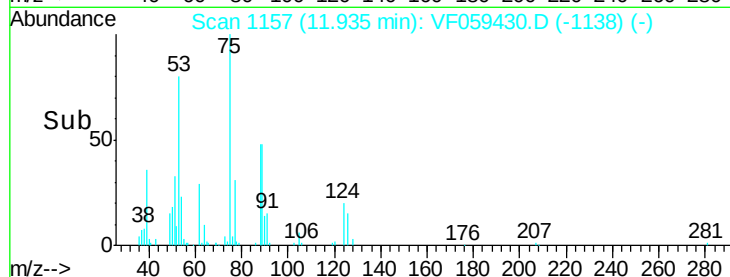
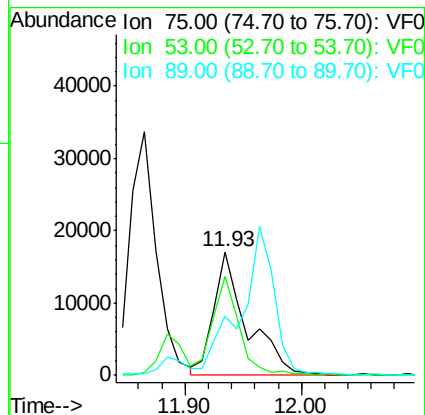
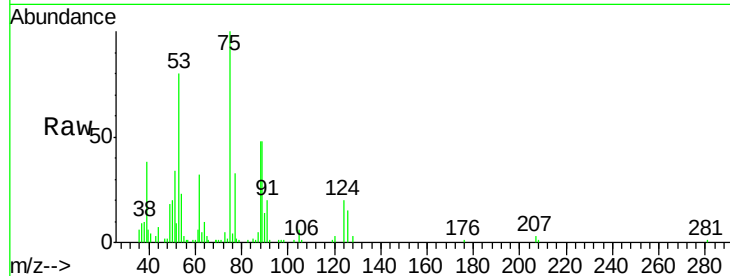
53 80.2 68.8 103.2

89 47.6 42.0 63.0

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#82

4-Chlorotoluene

Concen: 22.179 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.02 min

Lab File: VF059430.D

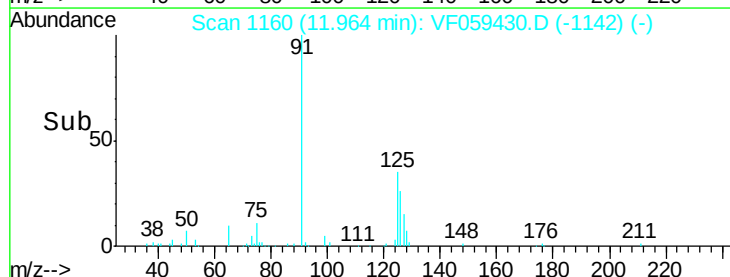
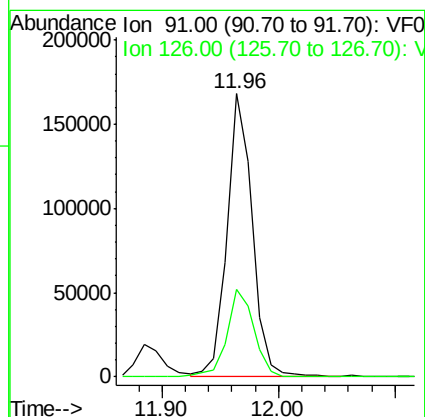
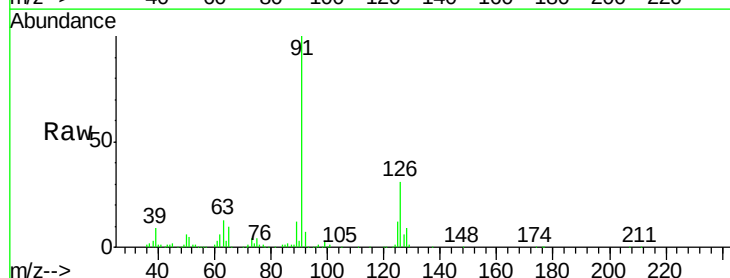
Acq: 5 Jul 2018 13:25

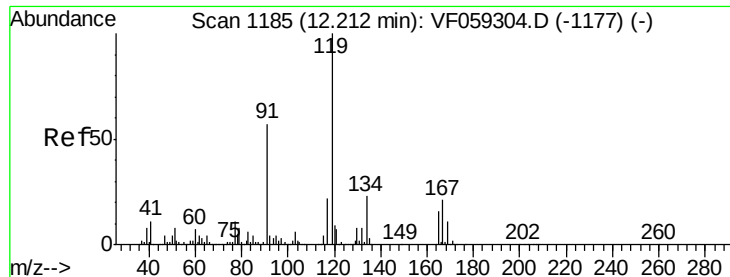
Tgt Ion: 91 Resp: 250927

Ion Ratio Lower Upper

91 100

126 31.1 18.2 54.6





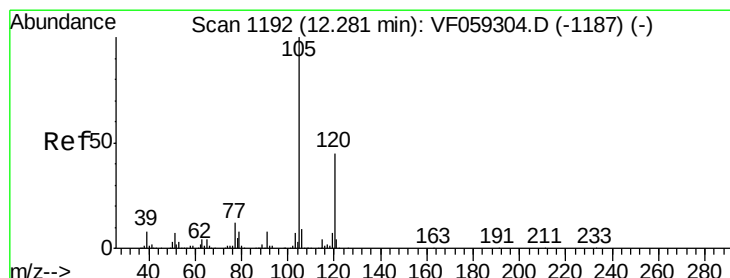
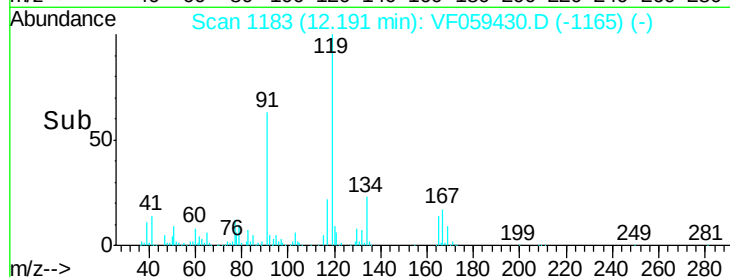
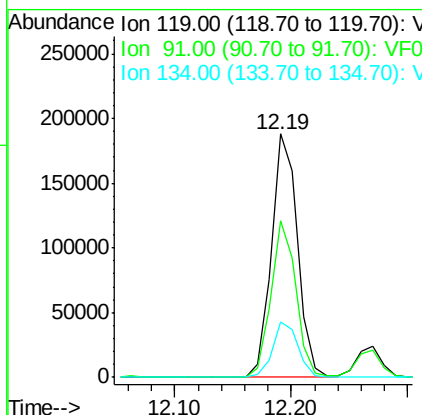
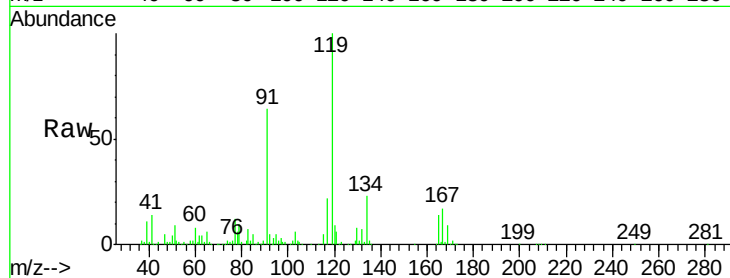
#83
 tert-Butylbenzene
 Concen: 22.986 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: VF059430.D
 Acq: 5 Jul 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0705SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	289913		
91	64.4		28.4	85.2
134	22.6		11.7	35.1

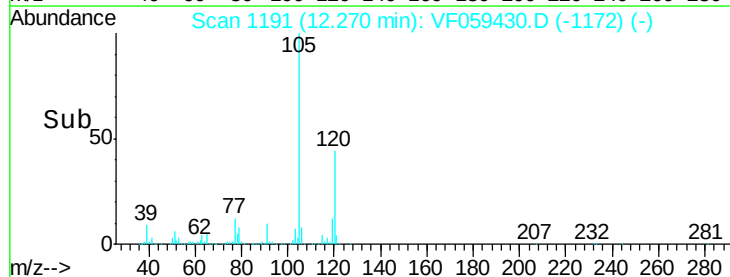
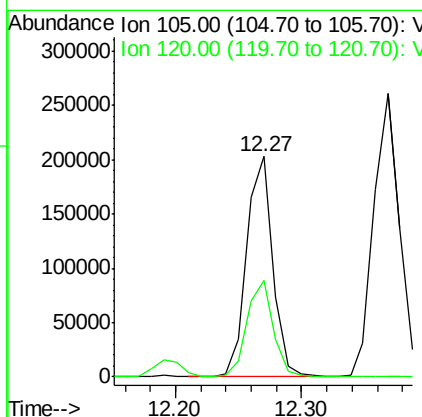
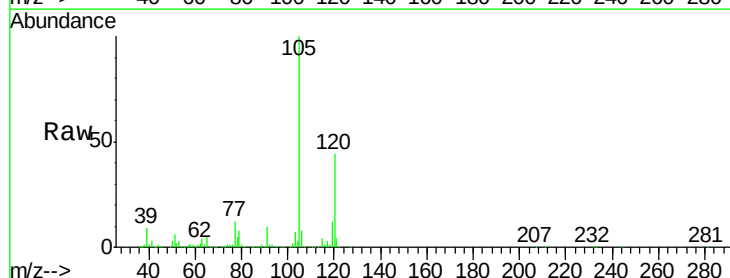
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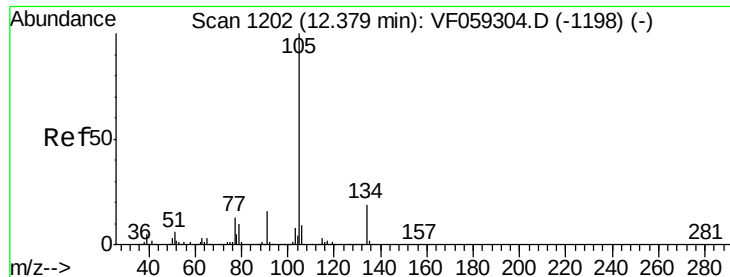
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.879 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059430.D
 Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	290573		
120	43.9		22.8	68.4





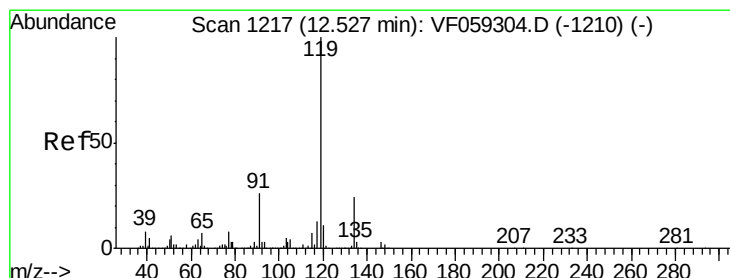
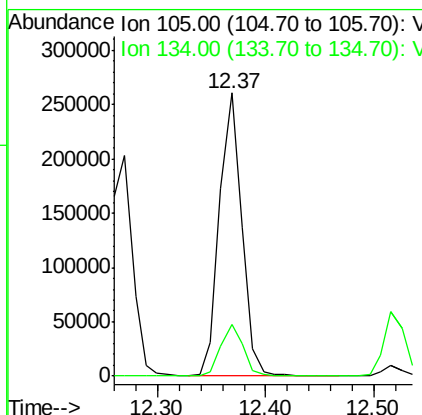
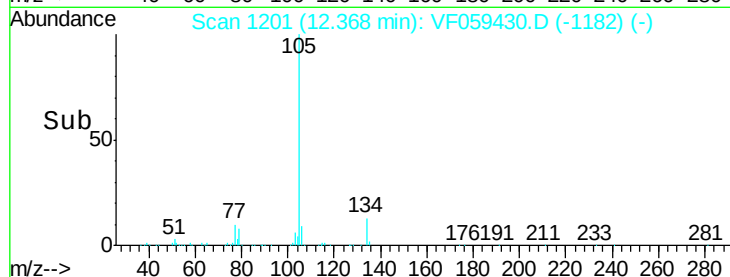
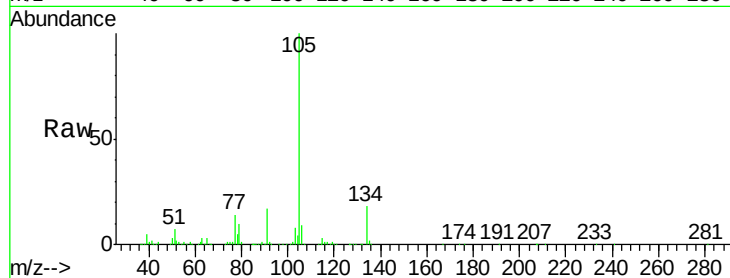
#85
 sec-Butylbenzene
 Concen: 22.367 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF059430.D
 Acq: 5 Jul 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0705SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.2	9.4	28.3

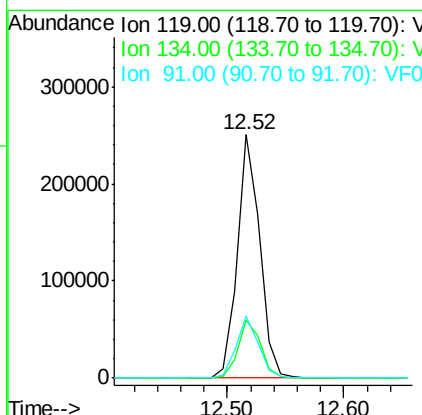
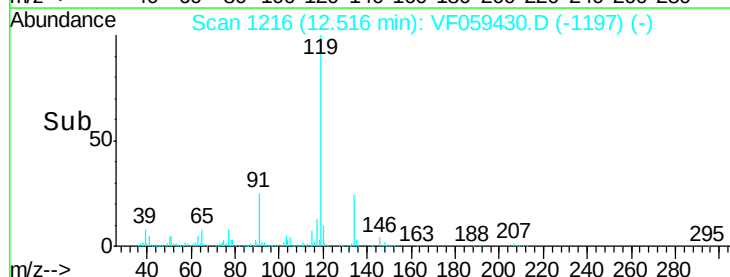
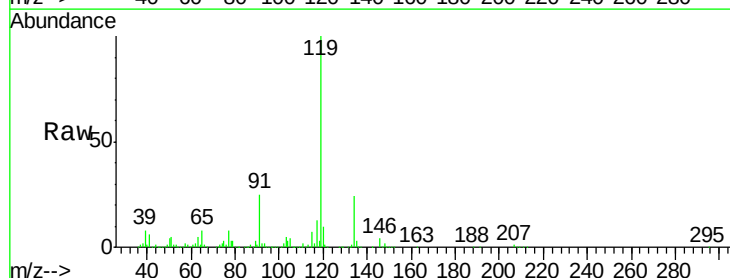
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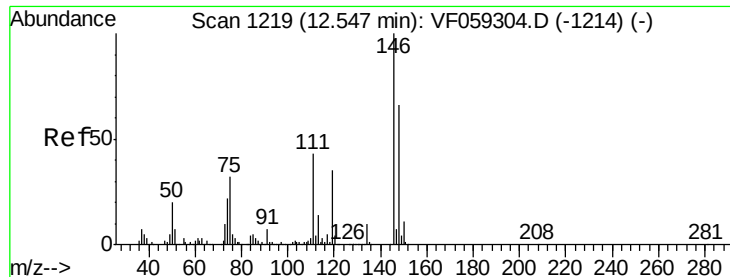
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#86
 p-Isopropyltoluene
 Concen: 23.797 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF059430.D
 Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.7	12.2	36.4
91	25.3	12.9	38.6





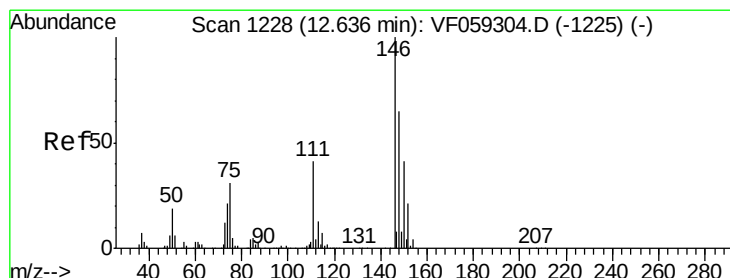
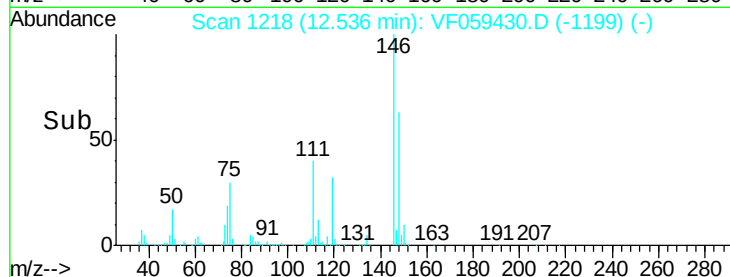
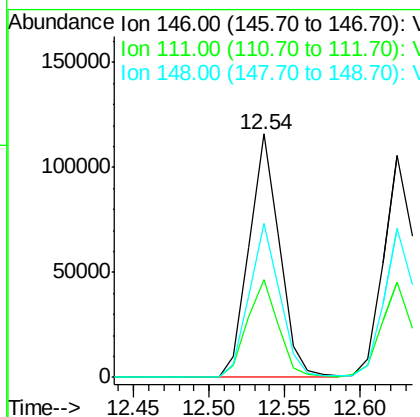
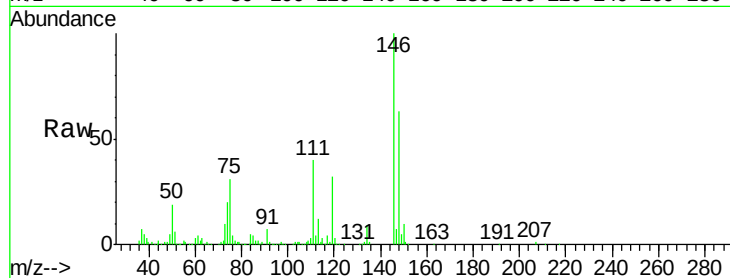
#87
 1,3-Dichlorobenzene
 Concen: 22.376 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059430.D
 Acq: 5 Jul 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0705SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.4	64.2
148	63.2	32.8	98.4

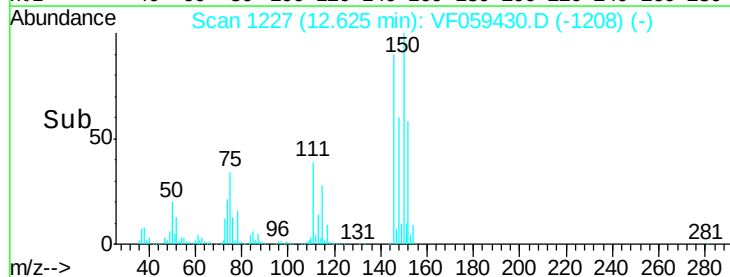
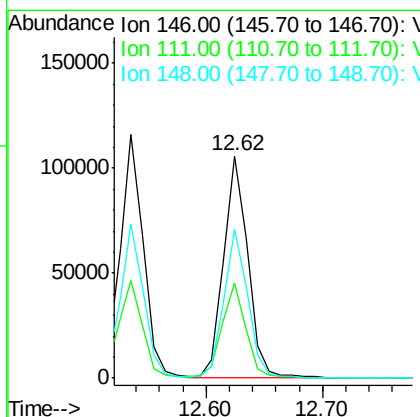
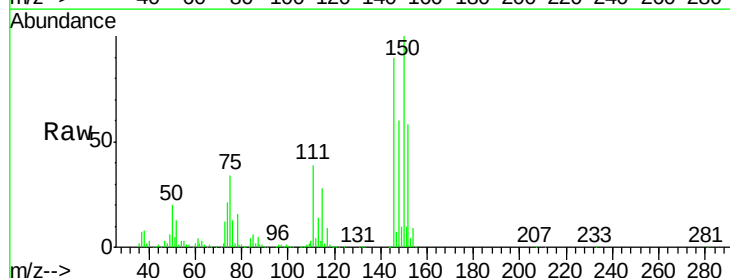
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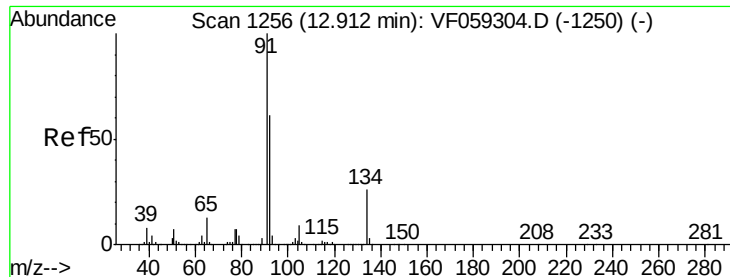
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 21.421 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059430.D
 Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.7	62.1
148	66.9	32.8	98.3





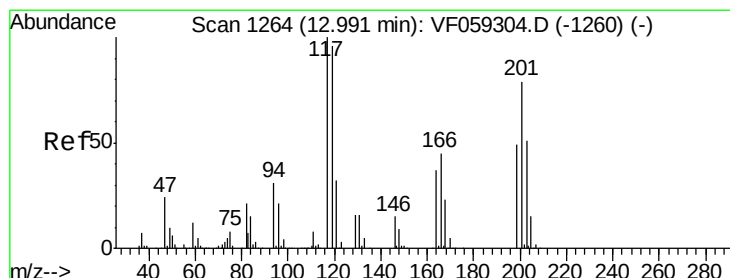
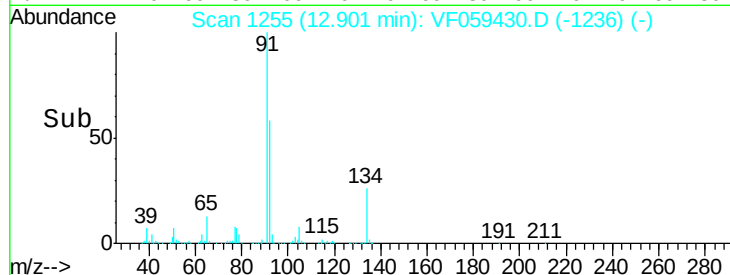
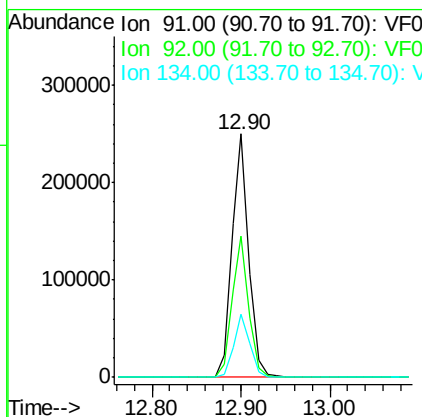
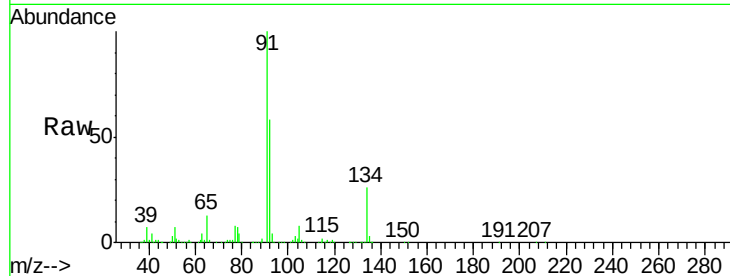
#89
n-Butylbenzene
Concen: 23.381 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	333017		
92	58.1	30.3	91.0	
134	26.1	12.9	38.7	

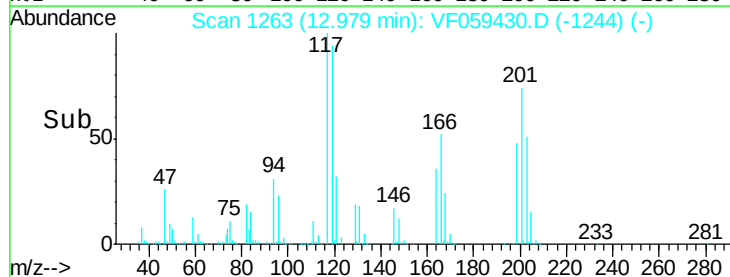
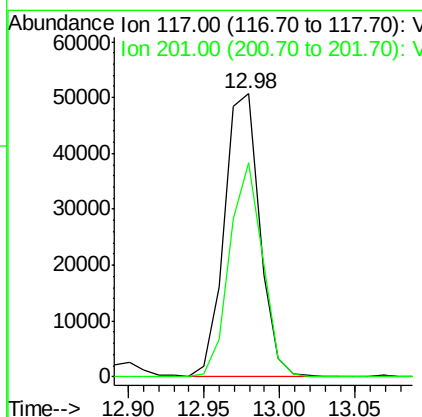
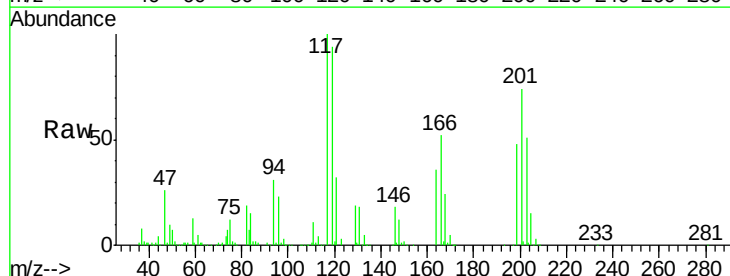
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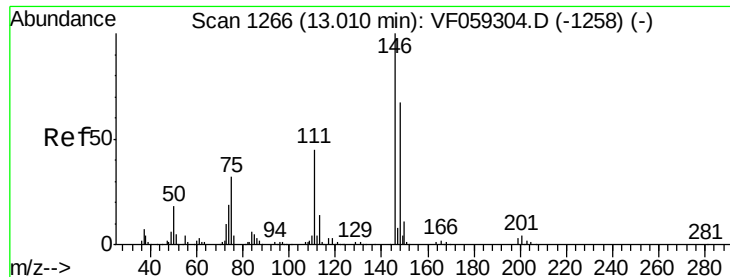
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#90
Hexachloroethane
Concen: 23.633 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	82639		
201	75.9	39.5	118.5	





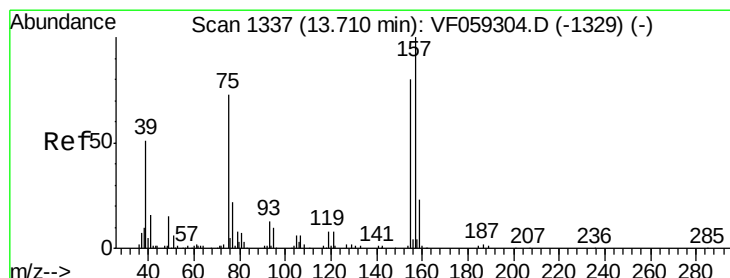
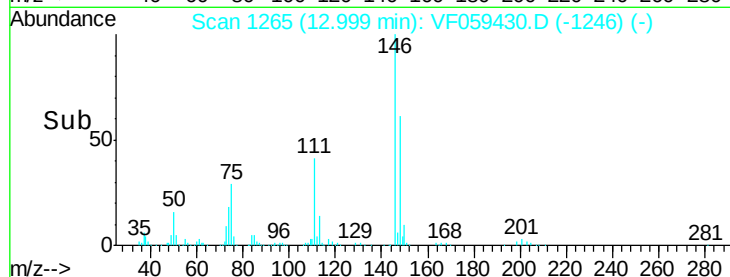
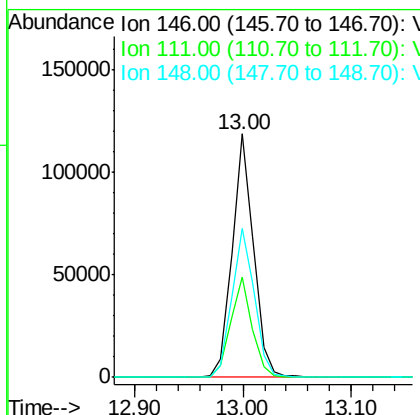
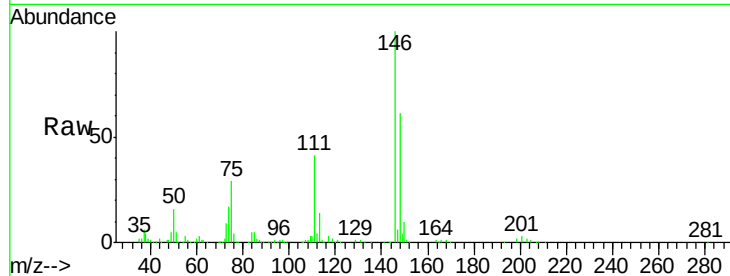
#91
 1,2-Dichlorobenzene
 Concen: 22.636 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF059430.D
 Acq: 5 Jul 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0705SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	22.7	68.0
148	60.9	33.5	100.4

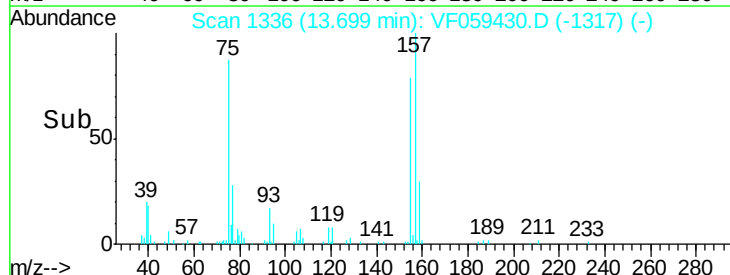
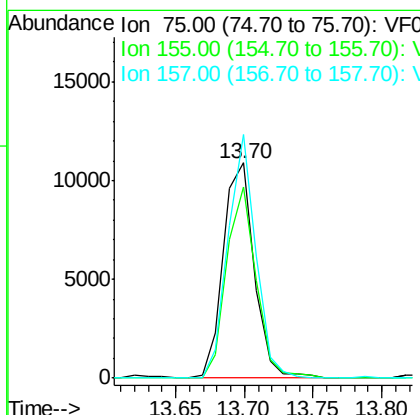
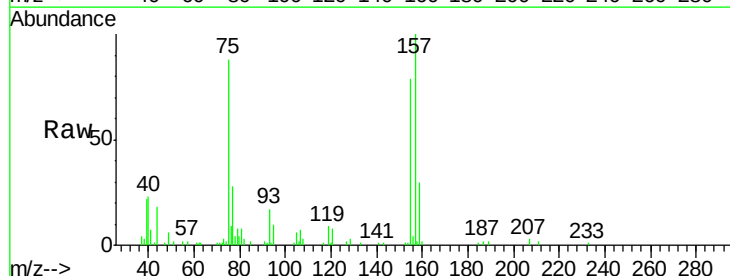
Manual Integrations
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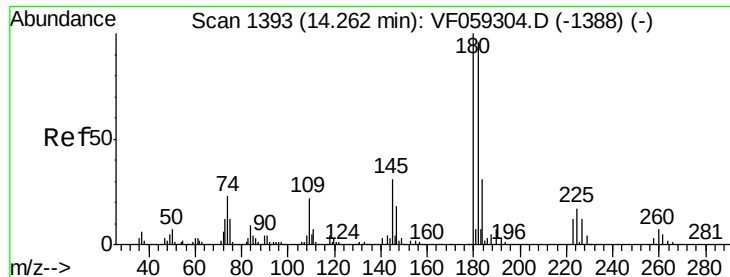
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.160 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059430.D
 Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	54.6	163.8
157	113.3	68.7	205.9





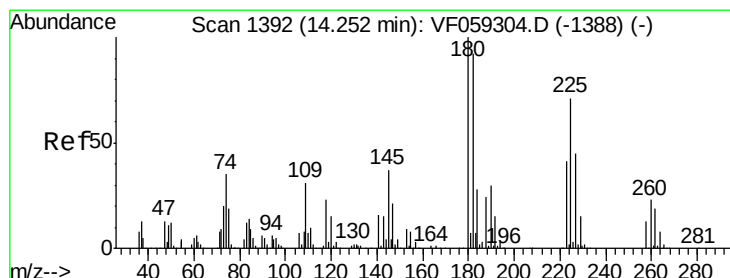
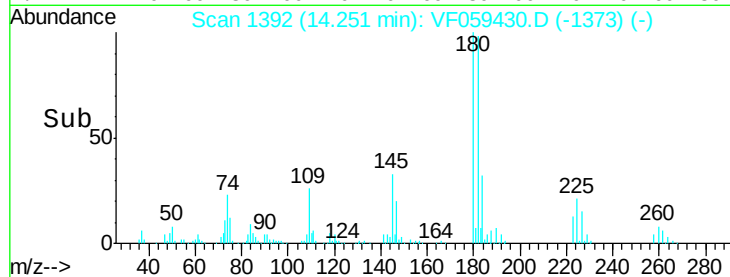
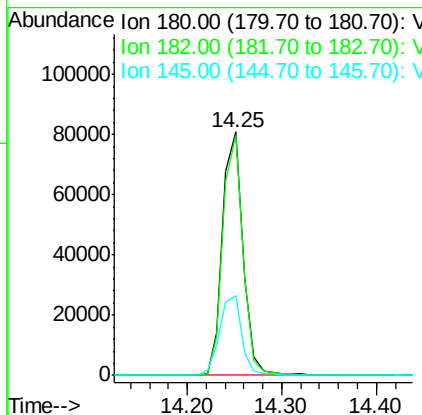
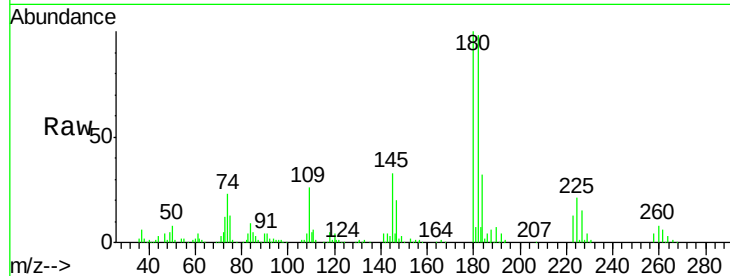
#93
 1,2,4-Trichlorobenzene
 Concen: 22.720 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059430.D
 Acq: 5 Jul 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0705SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121813		
182	98.4	48.1	144.3	
145	32.9	15.3	45.8	

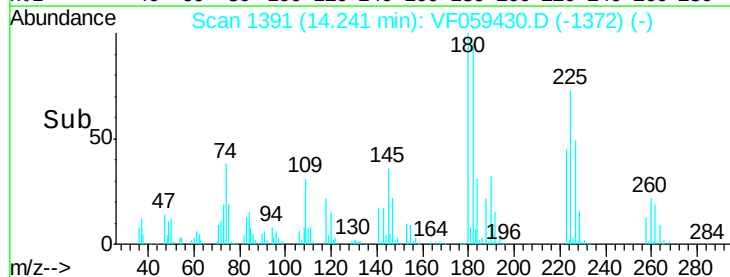
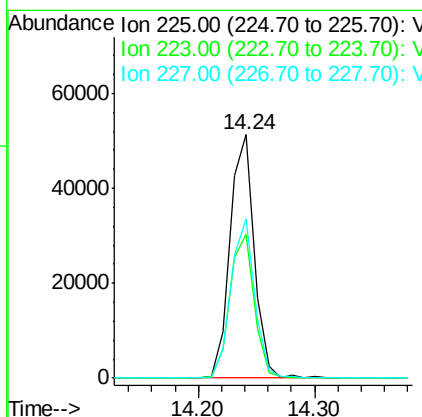
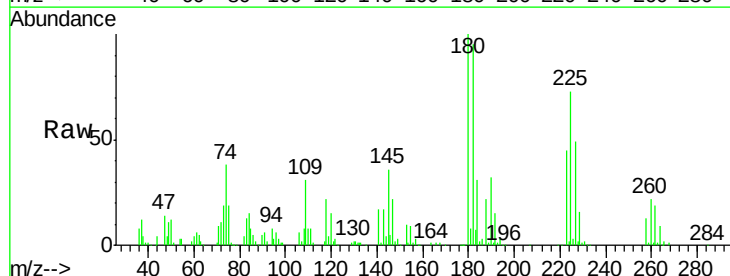
Manual Integrations
 APPROVED

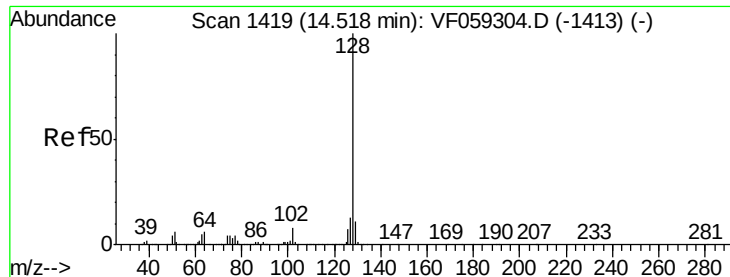
apatel
 7/6/2018 10:00:39 AM



#94
 Hexachlorobutadiene
 Concen: 24.616 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059430.D
 Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73717		
223	59.3	28.9	86.8	
227	65.2	31.3	93.8	





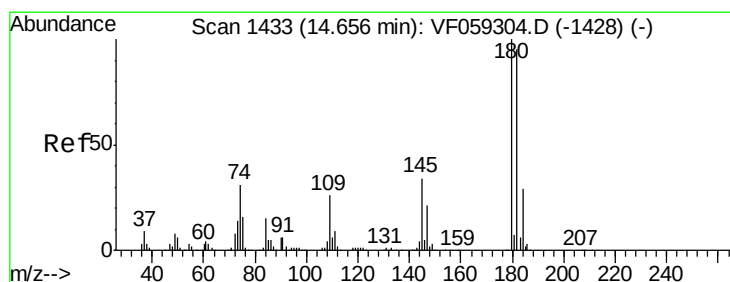
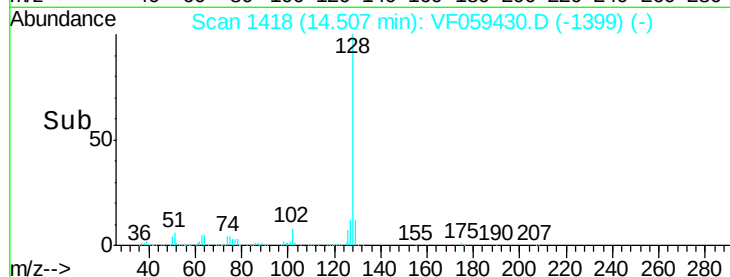
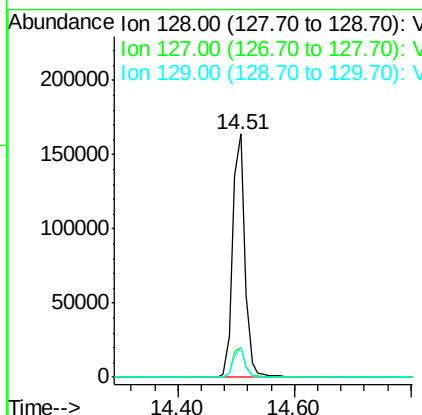
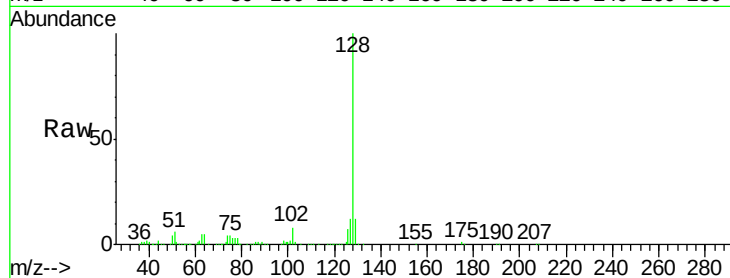
#95
Naphthalene
Concen: 21.543 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF0705SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	241663		
127	12.3	10.1	15.1	
129	12.0	8.8	13.2	

Manual Integrations
APPROVED

apatel
7/6/2018 10:00:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.964 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VF059430.D
Acq: 5 Jul 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	116634		
182	90.1	47.5	142.5	
145	33.6	17.0	50.9	

