

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059522.D
 Acq On : 18 Jul 2018 19:54
 Operator : VA/AP
 Sample : VF0718SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0718SBS01

Manual Integrations
 APPROVED

apatel
 7/19/2018 10:18:25 AM

Quant Time: Jul 19 05:15:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	268067	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.74	114	384466	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	391920	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	240382	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	223163	53.53	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.06%	
35) Dibromofluoromethane	4.28	113	175889	52.82	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.64%	
50) Toluene-d8	7.70	98	403902	48.16	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	11.50	95	221272	50.29	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	70250	21.39	ug/l	98
3) Chloromethane	1.08	50	33669	18.63	ug/l #	87
4) Vinyl Chloride	1.14	62	41427	22.72	ug/l	96
5) Bromomethane	1.34	94	26063	20.62	ug/l	89
6) Chloroethane	1.42	64	19058	20.73	ug/l	92
7) Trichlorofluoromethane	1.52	101	84601	18.96	ug/l	94
8) Diethyl Ether	1.69	74	18645	21.71	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44584	23.66	ug/l	89
10) Methyl Iodide	1.96	142	83762	25.39	ug/l	99
11) Tert butyl alcohol	2.69	59	23183	124.96	ug/l #	78
12) 1,1-Dichloroethene	1.85	96	44594	22.25	ug/l	96
13) Acrolein	2.08	56	11693	133.09	ug/l	99
14) Allyl chloride	2.18	41	66217	26.47	ug/l	85
15) Acrylonitrile	3.06	53	41383	118.31	ug/l	91
16) Acetone	2.33	43	90696	132.72	ug/l	97
17) Carbon Disulfide	1.86	76	110616	21.54	ug/l	95
18) Methyl Acetate	2.44	43	27433m	19.71	ug/l	
19) Methyl tert-butyl Ether	2.53	73	136071	21.64	ug/l	95
20) Methylene Chloride	2.30	84	49050	23.66	ug/l #	80
21) trans-1,2-Dichloroethene	2.40	96	42135	22.74	ug/l	100
22) Diisopropyl ether	2.92	45	153771	21.88	ug/l	94
23) Vinyl Acetate	3.32	43	487050	118.57	ug/l	97
24) 1,1-Dichloroethane	2.98	63	98773	22.75	ug/l	99
25) 2-Butanone	4.49	43	106881	110.42	ug/l	99
26) 2,2-Dichloropropane	3.74	77	69034	24.04	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	58662	27.20	ug/l	97
28) Bromochloromethane	3.86	49	39705	20.78	ug/l #	90
29) Tetrahydrofuran	4.25	42	48594	111.52	ug/l	99
30) Chloroform	4.02	83	141408	22.55	ug/l	99
31) Cyclohexane	3.85	56	58770	26.14	ug/l	96
32) 1,1,1-Trichloroethane	4.26	97	104393	25.62	ug/l	96
36) 1,1-Dichloropropene	4.44	75	86520	22.48	ug/l	97
37) Ethyl Acetate	4.28	43	53258	22.54	ug/l #	36
38) Carbon Tetrachloride	4.15	117	117985m	26.75	ug/l	

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 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0718SBS01

Manual Integrations
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Quant Time: Jul 19 05:15:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	77553	26.55	ug/l	90
40) Benzene	4.79	78	175215	23.47	ug/l	97
41) Methacrylonitrile	4.91	41	21455	19.44	ug/l #	76
42) 1,2-Dichloroethane	5.10	62	113143	23.07	ug/l	100
43) Isopropyl Acetate	7.09	43	60255	21.79	ug/l	93
44) Trichloroethene	5.66	130	66972	24.23	ug/l	96
45) 1,2-Dichloropropane	6.38	63	47578	22.96	ug/l	95
46) Dibromomethane	6.24	93	45404	24.06	ug/l	90
47) Bromodichloromethane	6.53	83	109954	22.64	ug/l	95
48) Methyl methacrylate	6.86	41	47367	23.98	ug/l	90
49) 1,4-Dioxane	6.85	88	5511	580.37	ug/l #	87
51) 4-Methyl-2-Pentanone	8.39	43	221663	113.08	ug/l	95
52) Toluene	7.76	92	127332	23.52	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	101637	22.75	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	101724	22.86	ug/l	99
55) 1,1,2-Trichloroethane	8.62	97	49002	23.36	ug/l	91
56) Ethyl methacrylate	8.74	69	57194	21.98	ug/l	93
57) 1,3-Dichloropropane	8.99	76	84250	22.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	26893	117.08	ug/l	100
59) 2-Hexanone	9.62	43	170775	115.28	ug/l	95
60) Dibromochloromethane	8.85	129	83587	23.64	ug/l	100
61) 1,2-Dibromoethane	9.12	107	59597	22.89	ug/l	89
64) Tetrachloroethene	8.29	164	62685	21.48	ug/l	89
65) Chlorobenzene	9.92	112	166680	22.68	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.05	131	75366	22.51	ug/l	92
67) Ethyl Benzene	10.02	91	296692	22.68	ug/l	96
68) m/p-Xylenes	10.25	106	217200	47.04	ug/l	96
69) o-Xylene	10.82	106	111789	22.73	ug/l	96
70) Styrene	10.89	104	170408	22.55	ug/l	98
71) Bromoform	10.88	173	51930	22.33	ug/l	98
73) Isopropylbenzene	11.21	105	335522	22.12	ug/l	100
74) N-amyl acetate	11.45	43	97651	20.10	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	70016	21.16	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	59223	21.92	ug/l	89
77) Bromobenzene	11.59	156	91536	21.53	ug/l	98
78) n-propylbenzene	11.68	91	389635	22.39	ug/l	96
79) 2-Chlorotoluene	11.81	91	241109	22.50	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	292959	23.05	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	25128m	20.36	ug/l	
82) 4-Chlorotoluene	11.98	91	265242	22.09	ug/l	92
83) tert-Butylbenzene	12.21	119	283597	23.25	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	292373	22.36	ug/l	97
85) sec-Butylbenzene	12.38	105	360935	23.27	ug/l	97
86) p-Isopropyltoluene	12.53	119	336054	24.90	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	168282	23.07	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	161915	22.53	ug/l	97
89) n-Butylbenzene	12.91	91	293312	23.22	ug/l	96
90) Hexachloroethane	12.99	117	75396	24.59	ug/l	87
91) 1,2-Dichlorobenzene	13.01	146	158897	22.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16799	22.41	ug/l	94

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Sample : VF0718SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBSD01

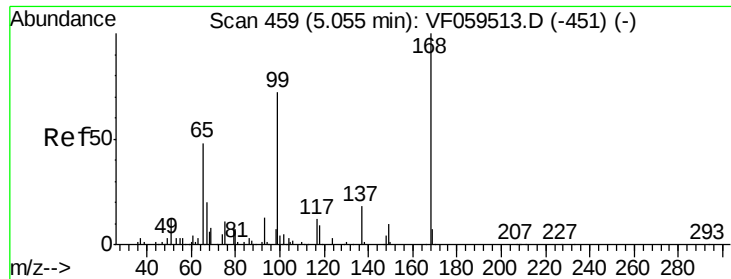
Manual Integrations
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7/19/2018 10:18:25 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	102757	24.24	ug/l	96
94) Hexachlorobutadiene	14.25	225	57186	26.33	ug/l	97
95) Naphthalene	14.52	128	198693	22.56	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	90566	23.65	ug/l	98

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



#1

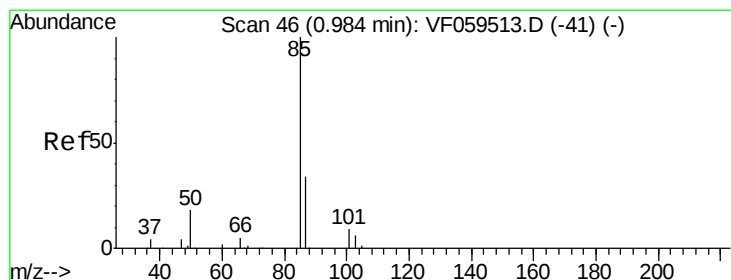
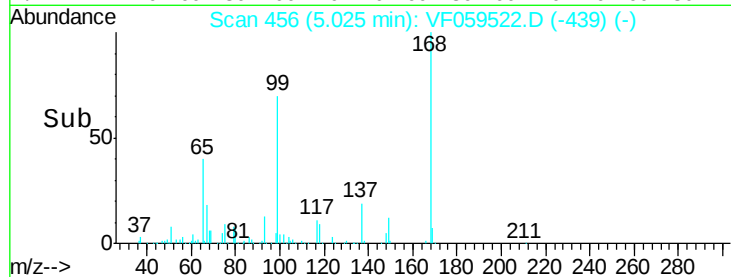
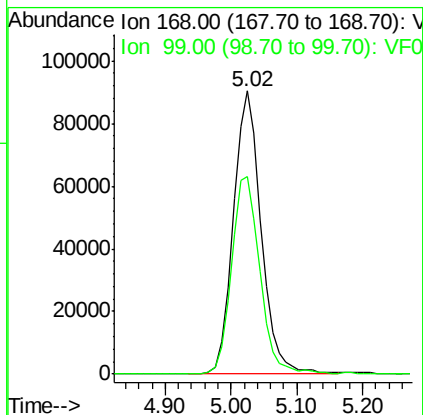
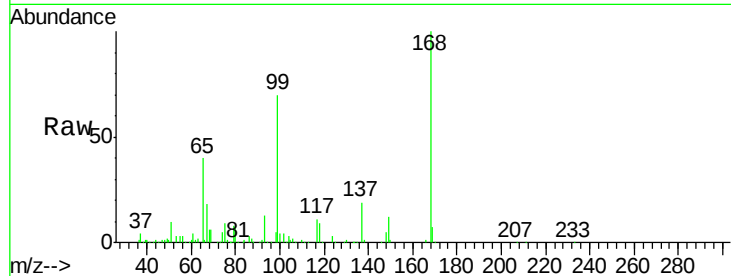
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. -0.03 min
 Lab File: VF059522.D
 Acq: 18 Jul 2018 19:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0718SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	70.0	57.6	86.4

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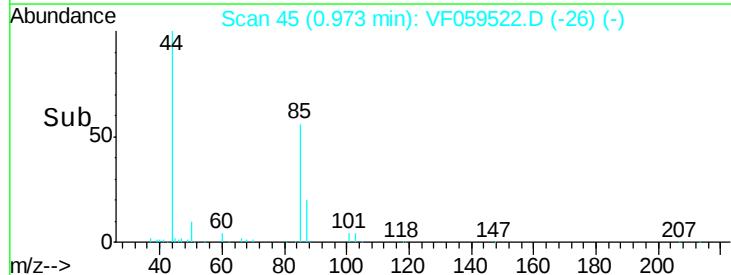
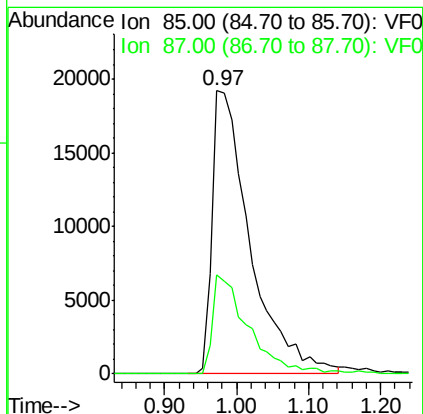
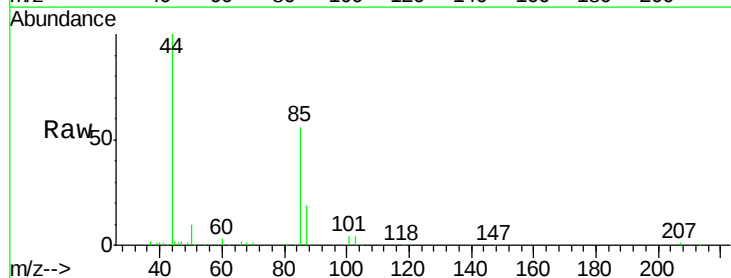
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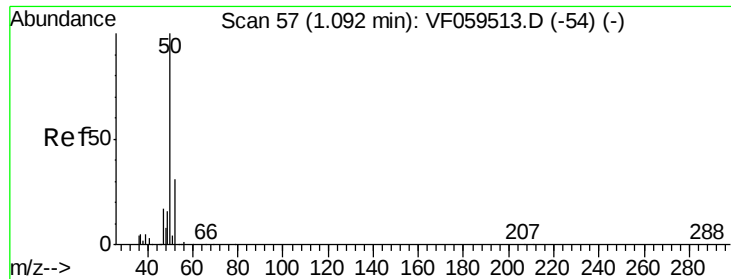


#2

Dichlorodifluoromethane
 Concen: 21.39 ug/l
 RT: 0.97 min Scan# 45
 Delta R.T. -0.01 min
 Lab File: VF059522.D
 Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.8	16.9	50.6





#3

Chloromethane

Concen: 18.63 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

VF0718SBS01

Tot Ion: 50 Resp: 33669

Ion Ratio Lower Upper

50 100

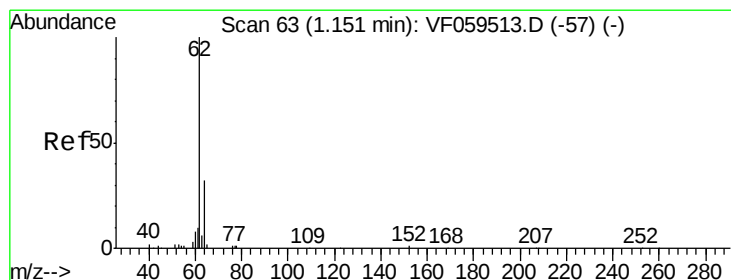
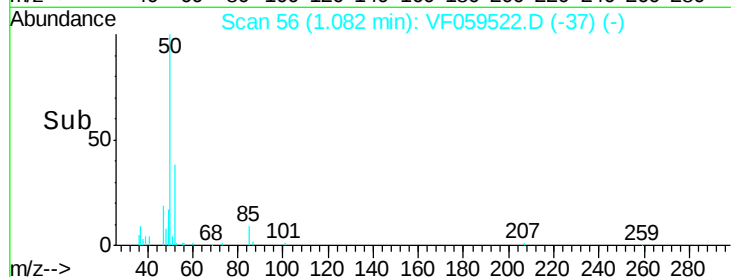
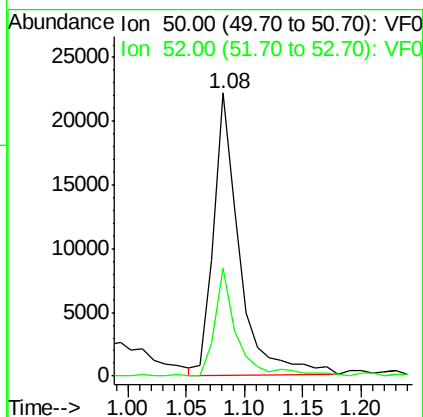
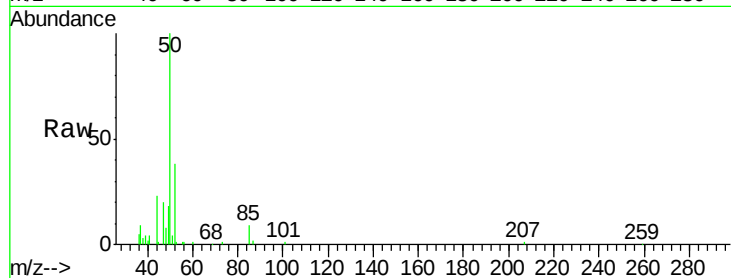
52 38.0 24.6 37.0#

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.72 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059522.D

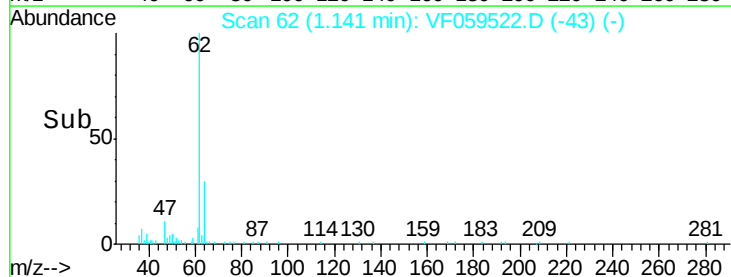
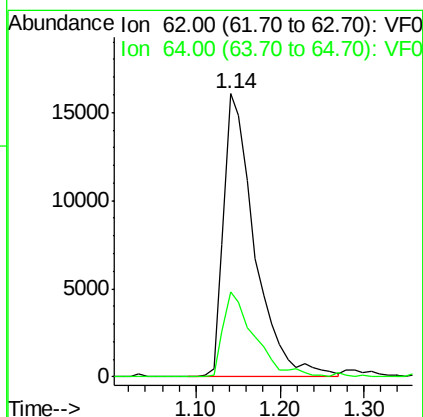
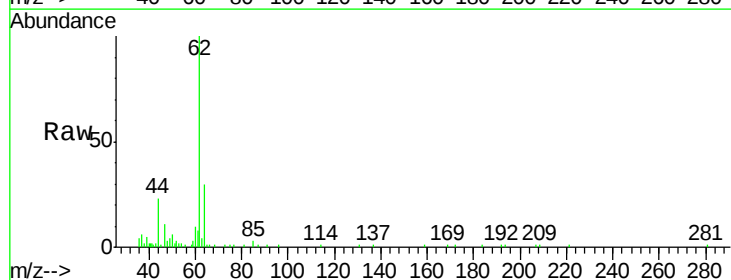
Acq: 18 Jul 2018 19:54

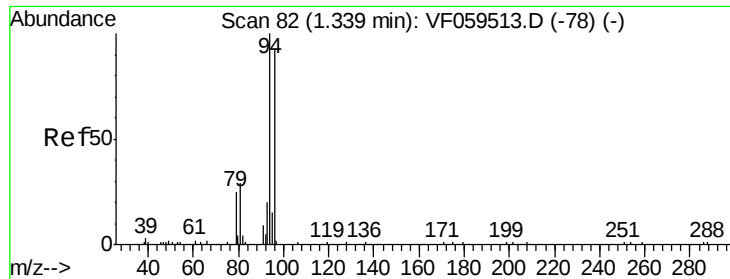
Tgt Ion: 62 Resp: 41427

Ion Ratio Lower Upper

62 100

64 30.0 25.7 38.5





#5

Bromomethane

Concen: 20.62 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

VF0718SBS01

Tot Ion: 94 Resp: 26063

Ion Ratio Lower Upper

94 100

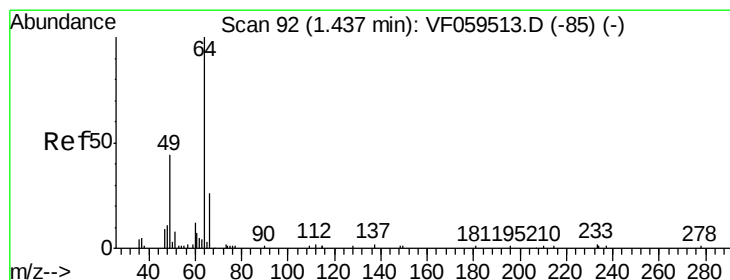
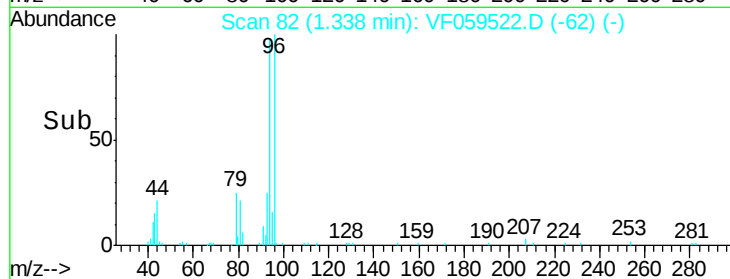
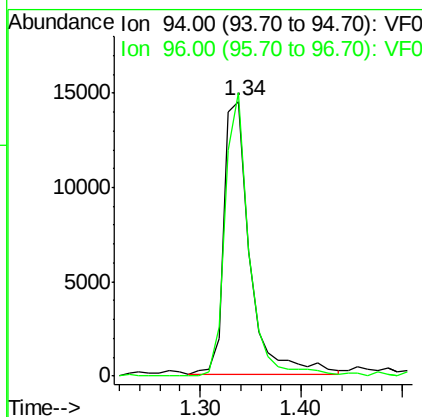
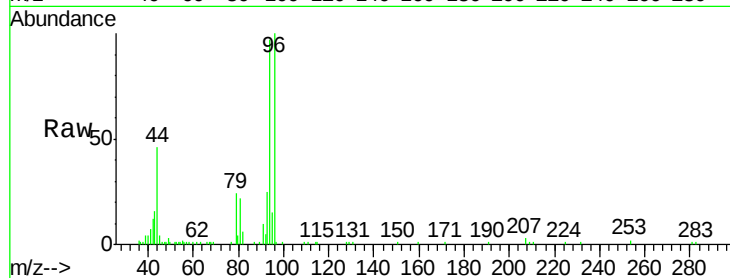
96 102.9 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 20.73 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059522.D

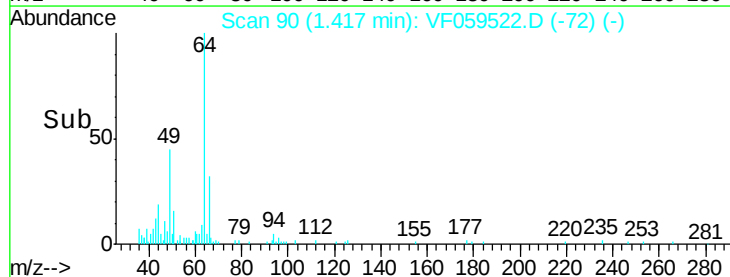
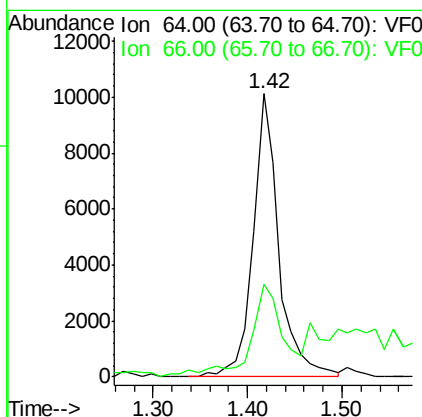
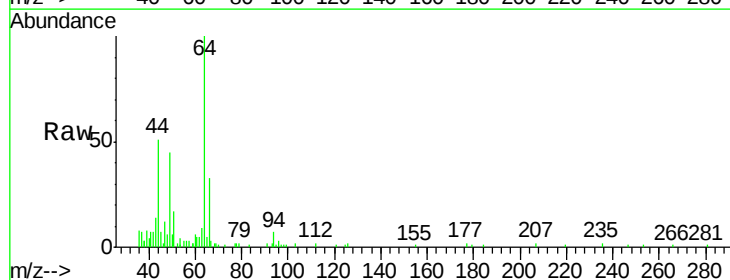
Acq: 18 Jul 2018 19:54

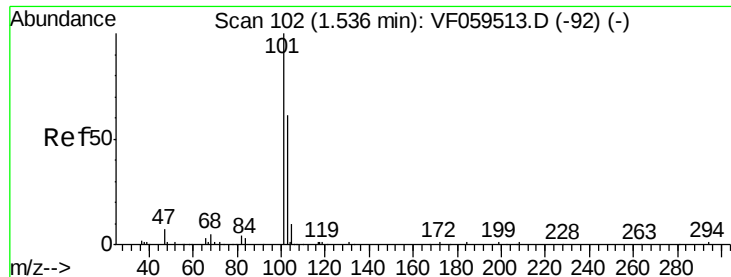
Tgt Ion: 64 Resp: 19058

Ion Ratio Lower Upper

64 100

66 32.6 22.9 34.3





#7

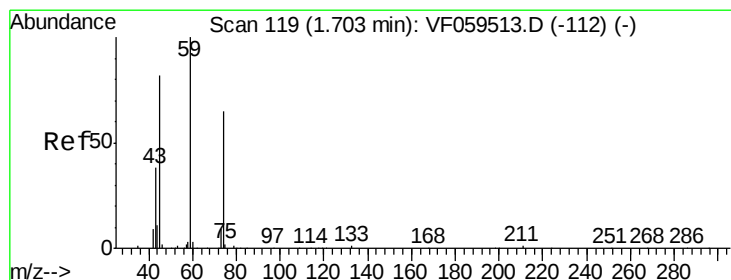
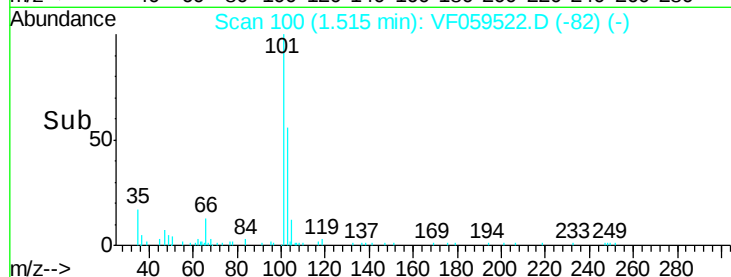
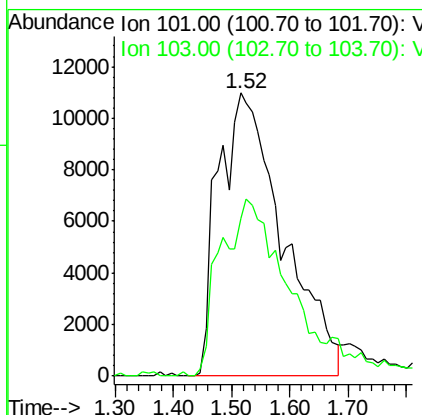
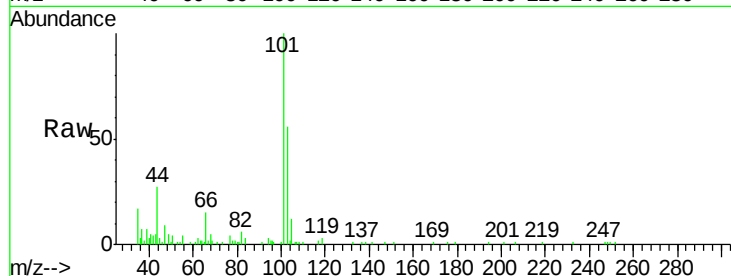
Trichlorofluoromethane
 Concen: 18.96 ug/l
 RT: 1.52 min Scan# 100
 Delta R.T. -0.02 min
 Lab File: VF059522.D
 Acq: 18 Jul 2018 19:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0718SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.0	48.6	72.8

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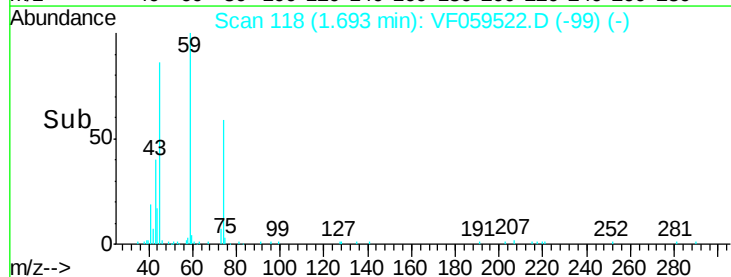
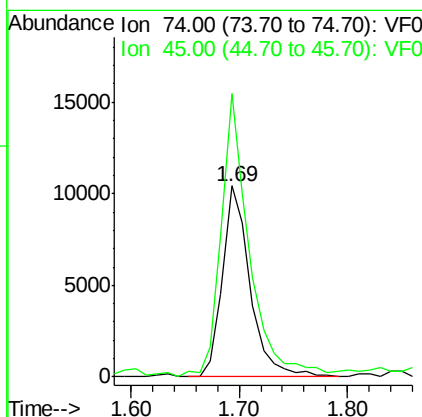
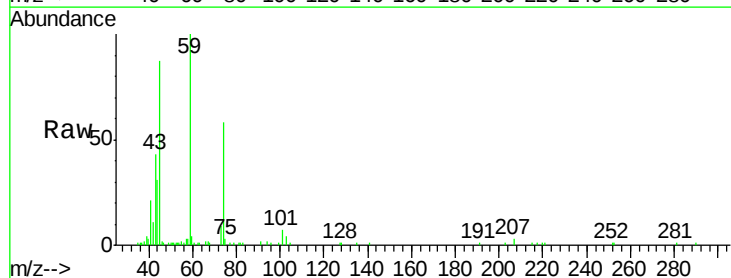
apatel
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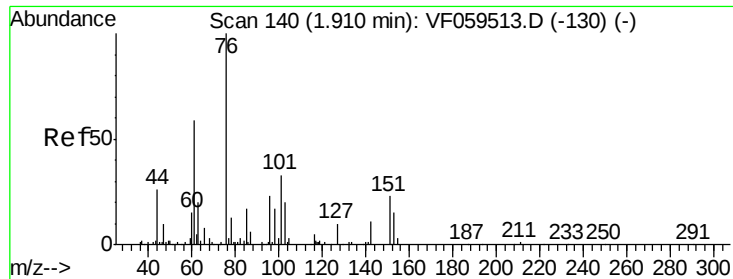


#8

Diethyl Ether
 Concen: 21.71 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF059522.D
 Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	148.2	63.6	190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.66 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

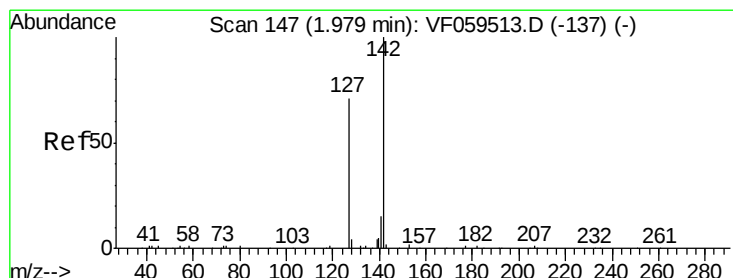
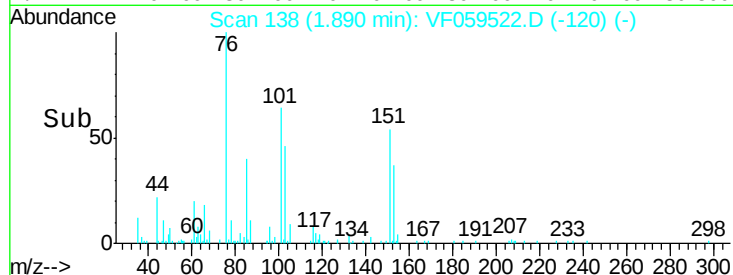
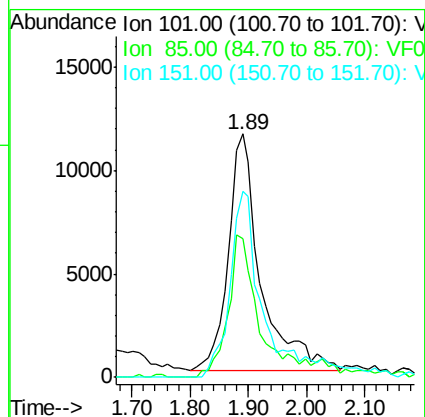
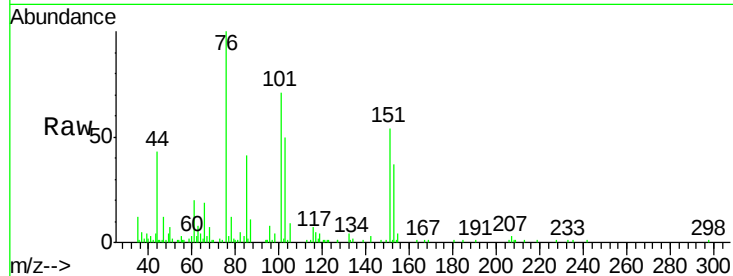
ClientSampleId :

VF0718SBS01

Tot Ion:	101	Resp:	44584
Ion Ratio	Lower	Upper	
101	100		
85	57.1	39.8	59.6
151	76.3	54.2	81.2

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#10

Methyl Iodide

Concen: 25.39 ug/l

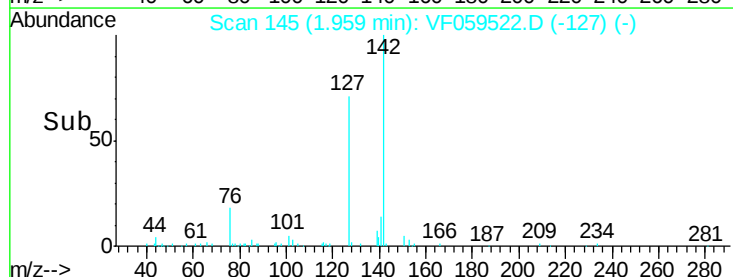
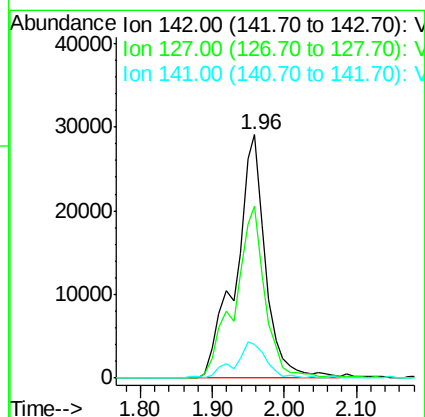
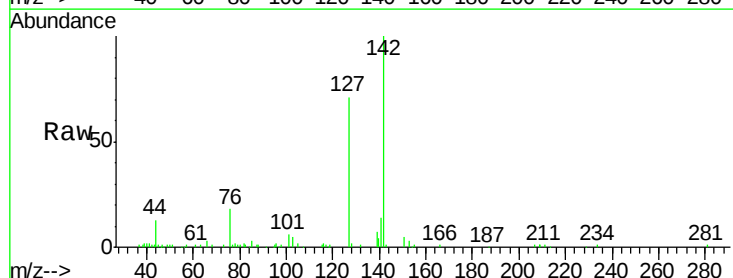
RT: 1.96 min Scan# 145

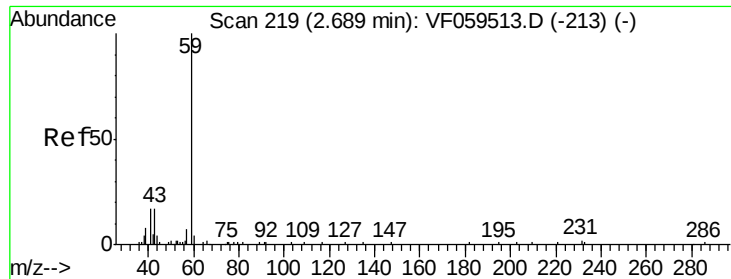
Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion:	142	Resp:	83762
Ion Ratio	Lower	Upper	
142	100		
127	69.9	56.4	84.6
141	13.9	12.0	18.0





#11

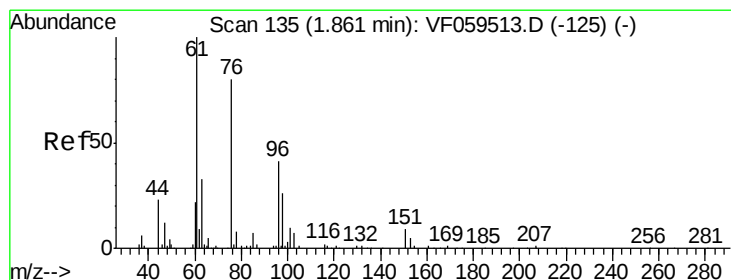
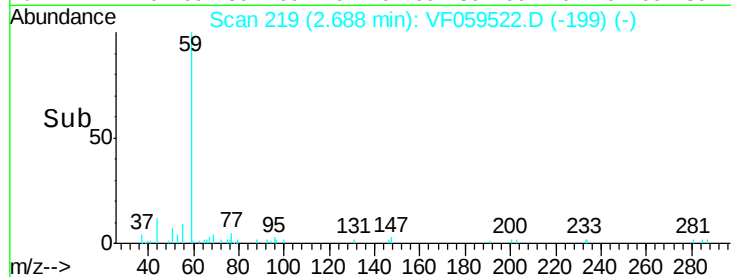
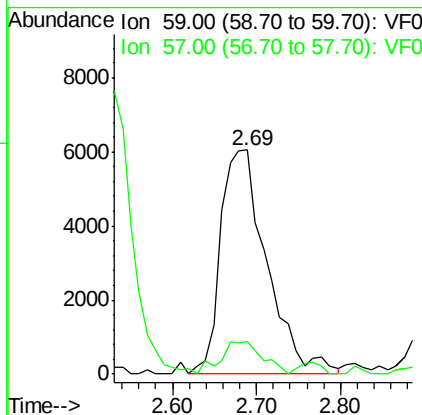
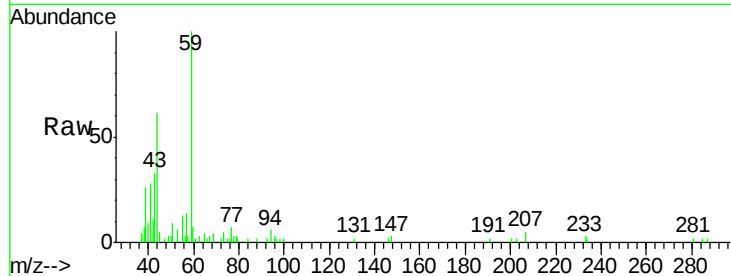
Tert butyl alcohol
Concen: 124.96 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.00 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	59	Resp	23183
Ion Ratio	100	Lower	Upper
57	17.6	7.7	11.5#

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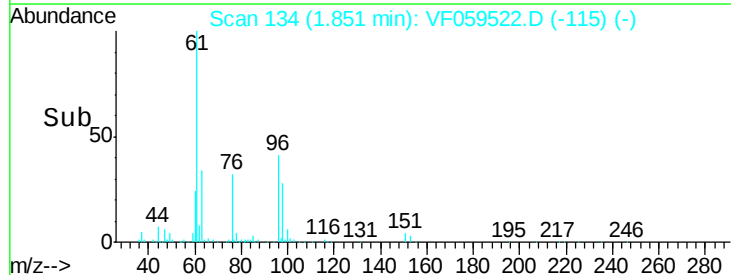
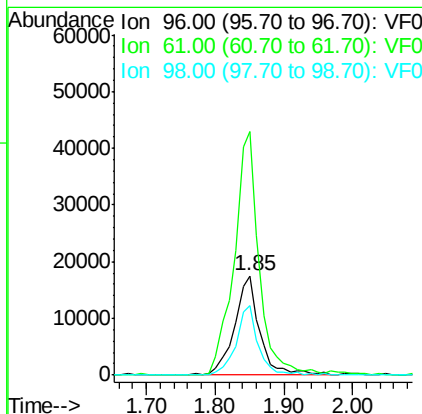
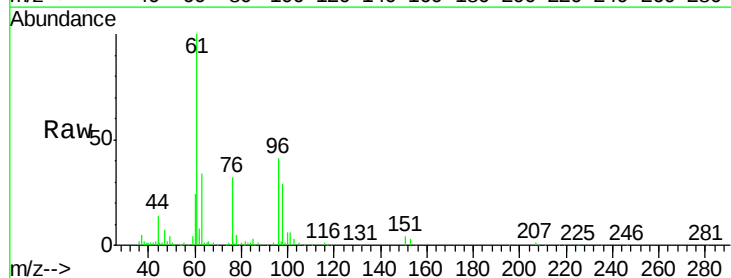
apatel
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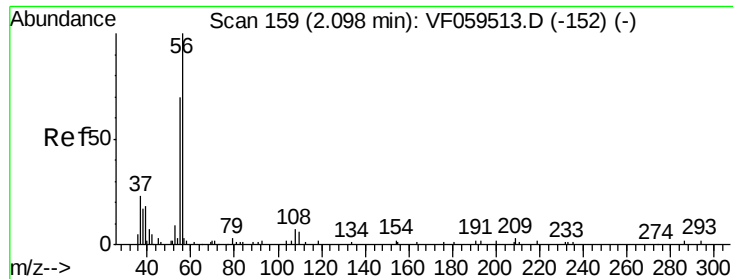


#12

1,1-Dichloroethene
Concen: 22.25 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	96	Resp	44594
Ion Ratio	100	Lower	Upper
61	245.7	194.3	291.5
98	73.1	50.3	75.5





#13

Acrolein

Concen: 133.09 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tot Ion: 56 Resp: 11693

Ion Ratio Lower Upper

56 100

55 75.2 59.4 89.2

Instrument :

MSVOA_F

ClientSampleId :

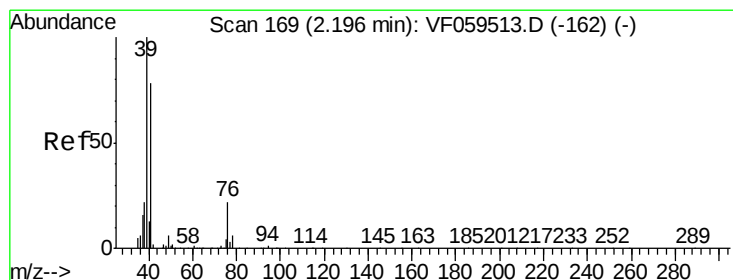
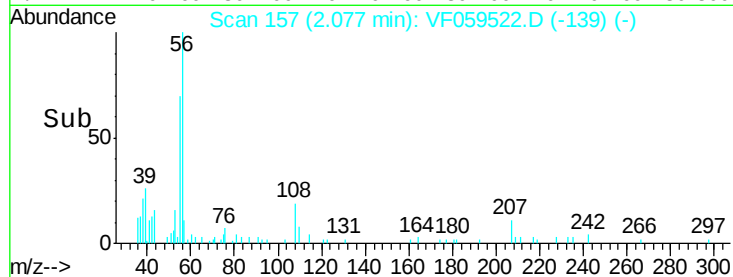
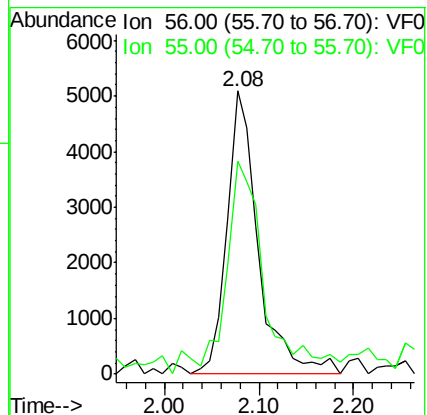
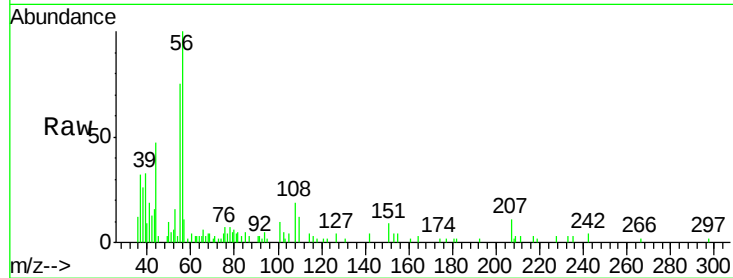
VF0718SBS01

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#14

Allyl chloride

Concen: 26.47 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

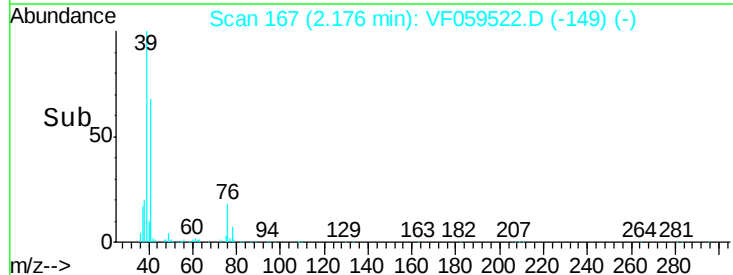
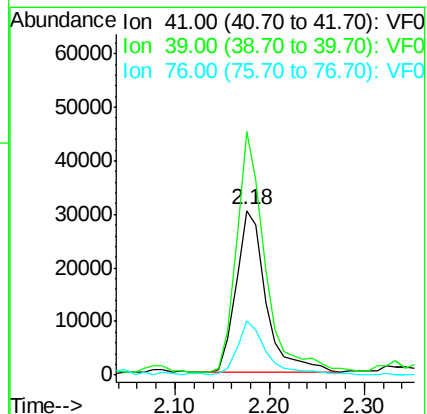
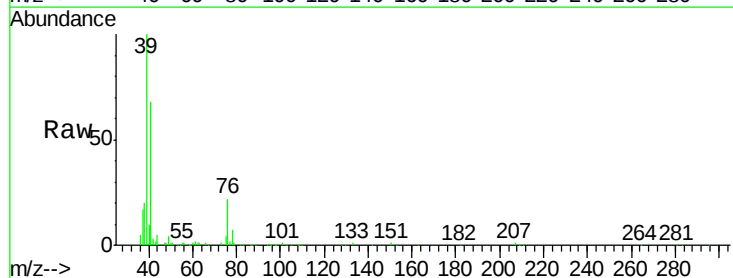
Tgt Ion: 41 Resp: 66217

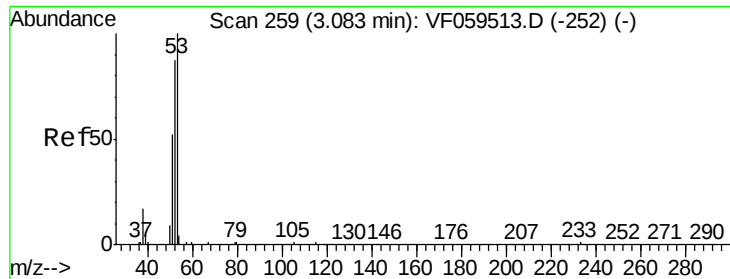
Ion Ratio Lower Upper

41 100

39 148.0 103.0 154.4

76 32.7 22.6 34.0





#15

Acrylonitrile

Concen: 118.31 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

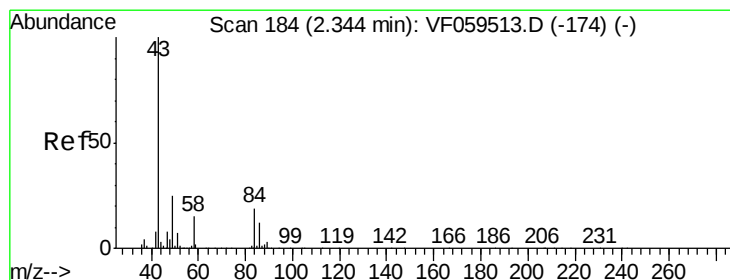
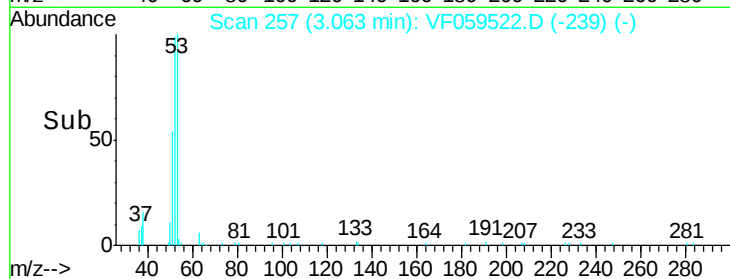
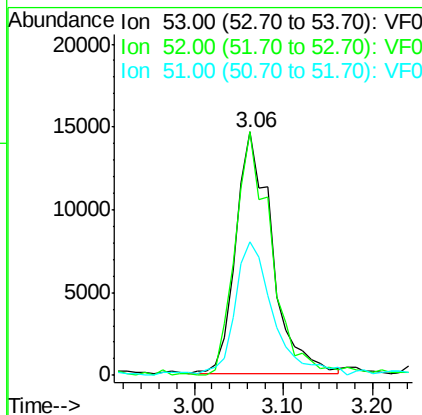
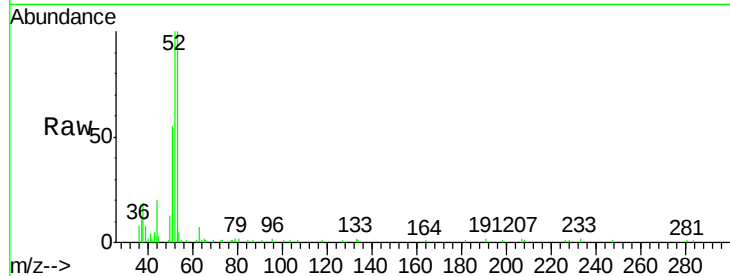
ClientSampleId :

VF0718SBS01

Tot Ion:	53	Resp:	41383
Ion	Ratio	Lower	Upper
53	100		
52	99.8	70.1	105.1
51	55.1	42.5	63.7

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#16

Acetone

Concen: 132.72 ug/l

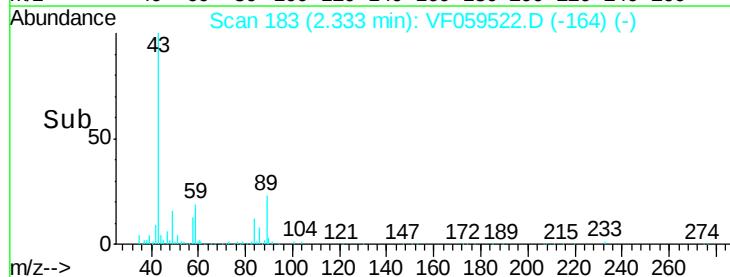
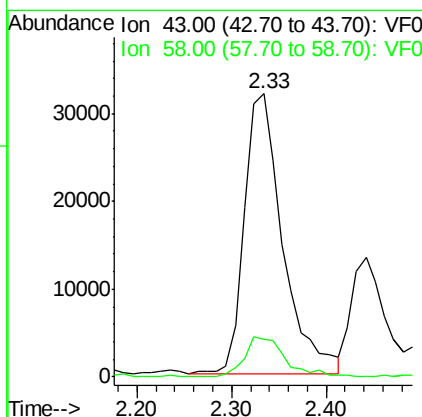
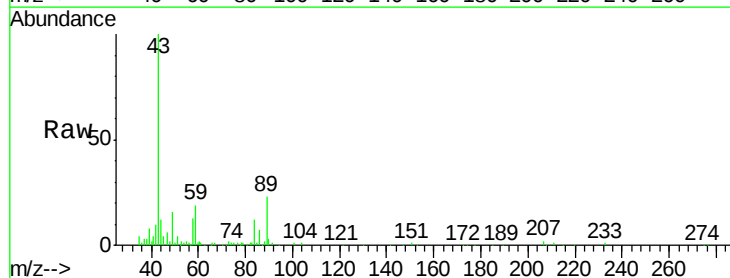
RT: 2.33 min Scan# 183

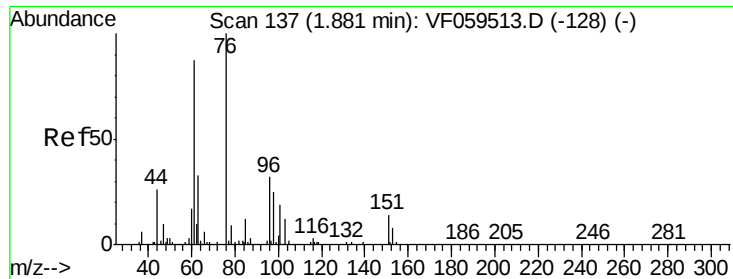
Delta R.T. -0.01 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion:	43	Resp:	90696
Ion	Ratio	Lower	Upper
43	100		
58	13.3	11.8	17.6





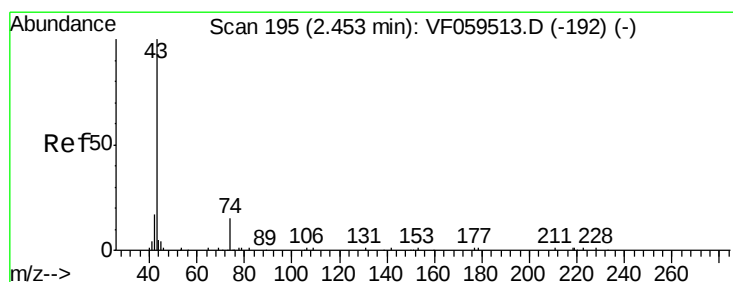
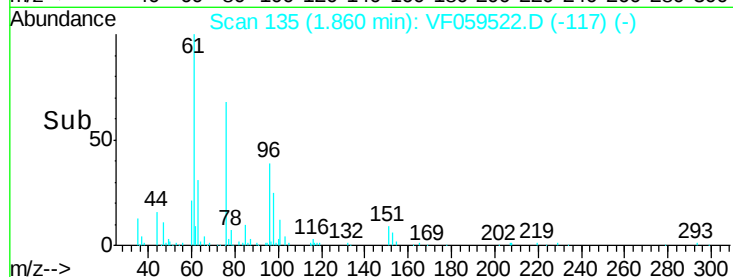
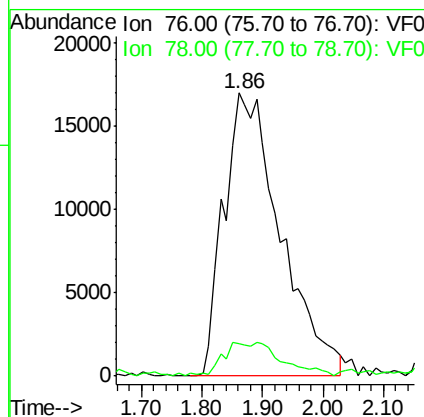
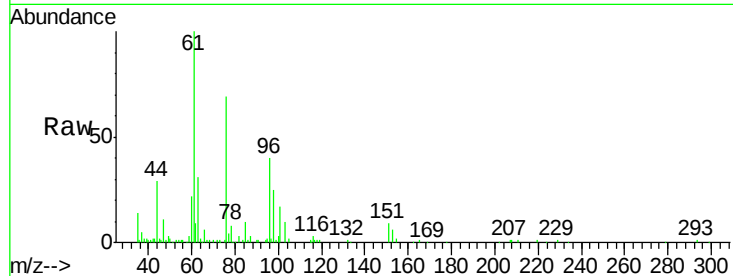
#17
Carbon Disulfide
Concen: 21.54 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.02 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.5	7.8	11.6

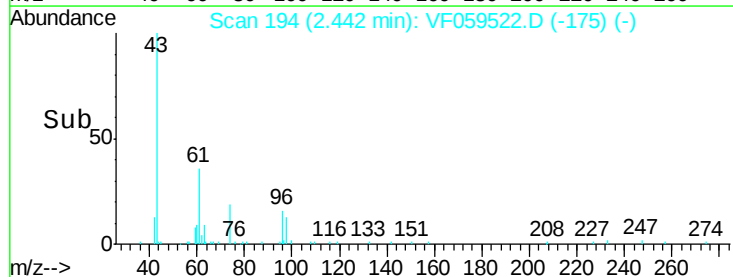
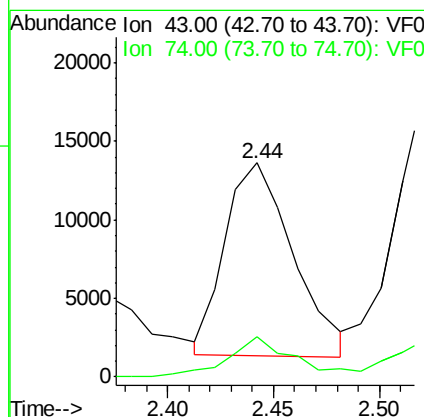
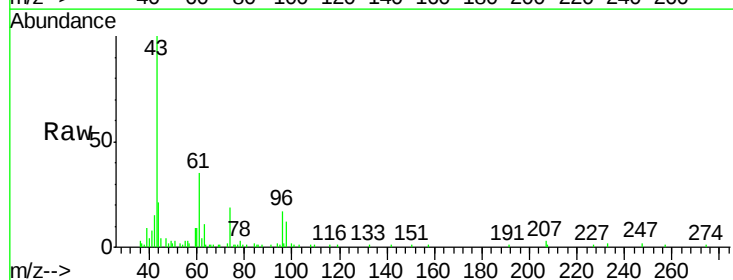
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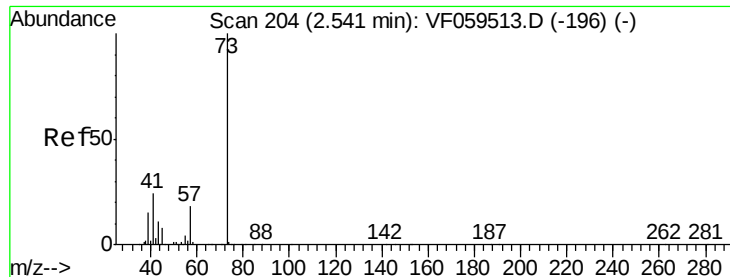
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#18
Methyl Acetate
Concen: 19.71 ug/l m
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.7	10.6	15.8#





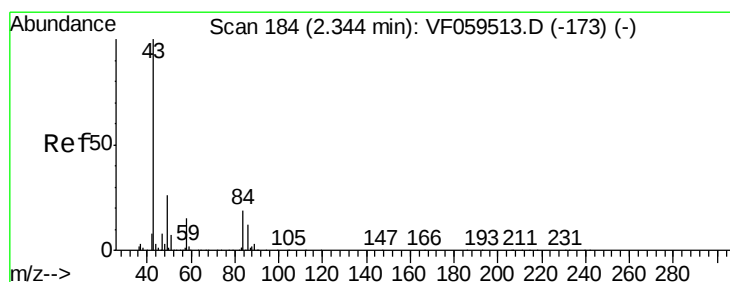
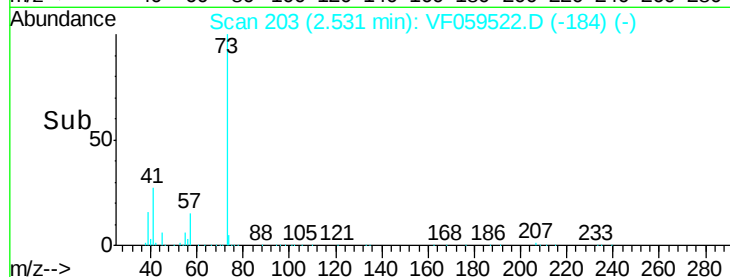
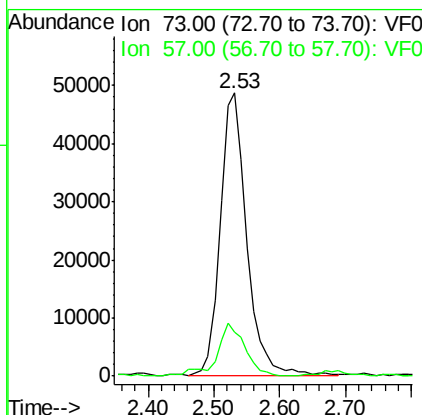
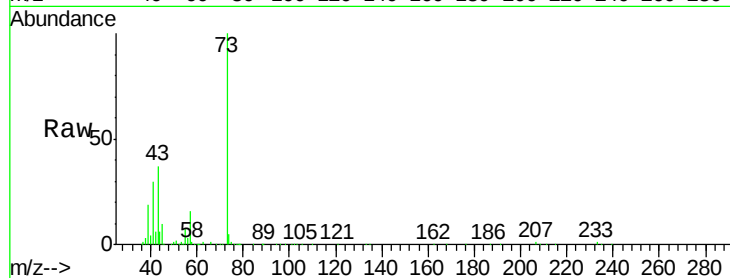
#19
Methvl tert-butvl Ether
Concen: 21.64 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.7	14.3	21.5

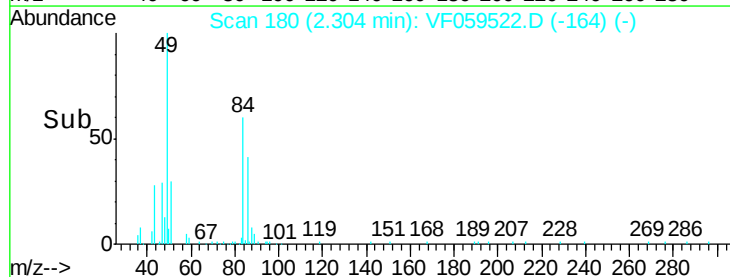
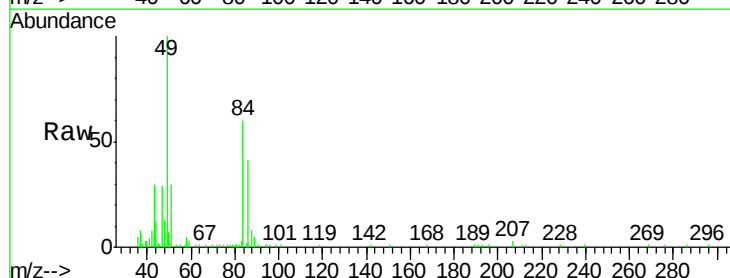
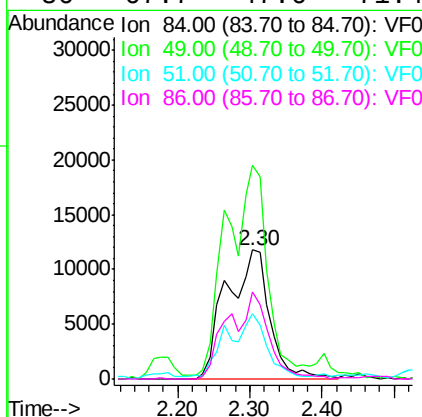
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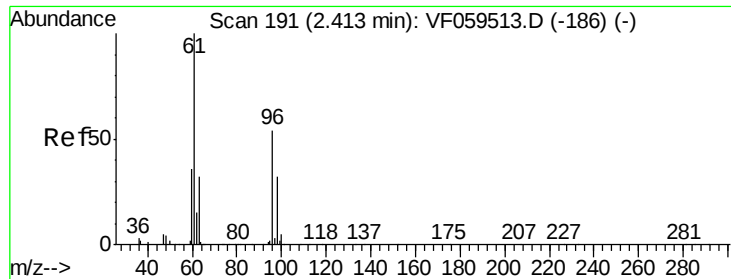
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#20
Methylene Chloride
Concen: 23.66 ug/l
RT: 2.30 min Scan# 180
Delta R.T. -0.04 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	165.6	109.4	164.2#
51	50.5	30.5	45.7#
86	67.7	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 22.74 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

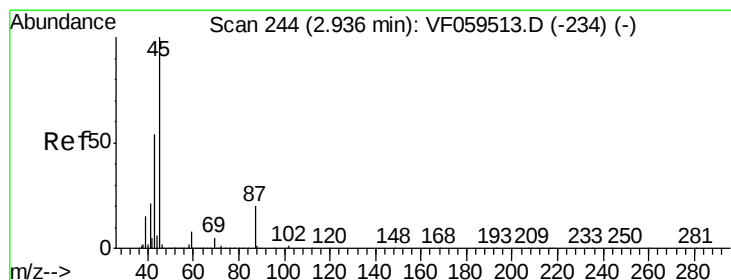
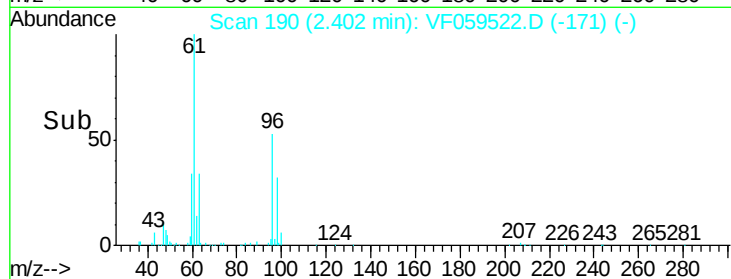
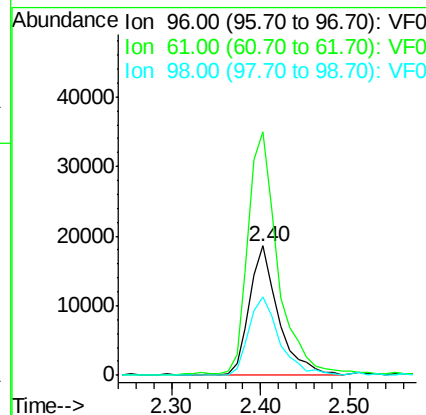
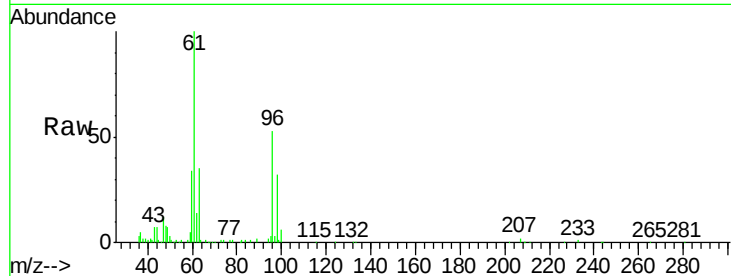
ClientSampleId :

VF0718SBS01

Tot Ion:	96	Resp:	42135
Ion	Ratio	Lower	Upper
96	100		
61	187.9	149.8	224.8
98	60.3	47.8	71.8

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#22

Diisopropyl ether

Concen: 21.88 ug/l

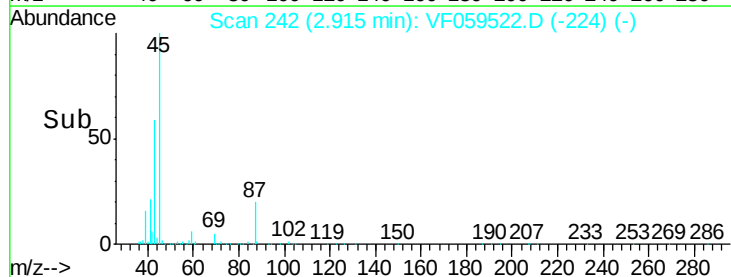
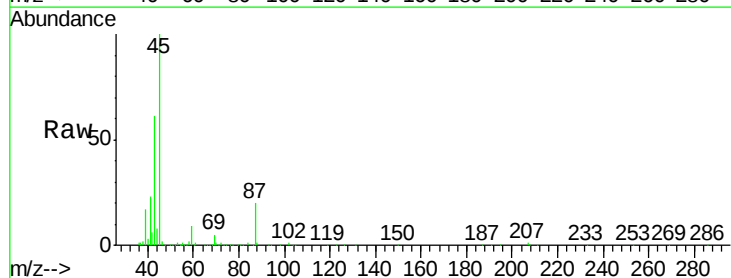
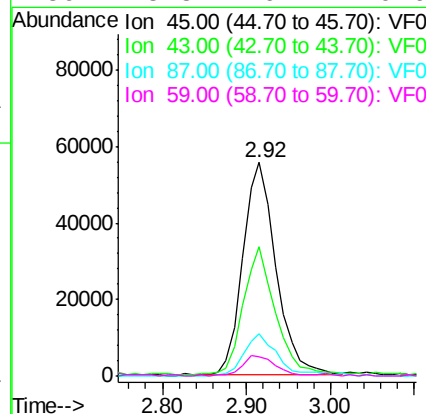
RT: 2.92 min Scan# 242

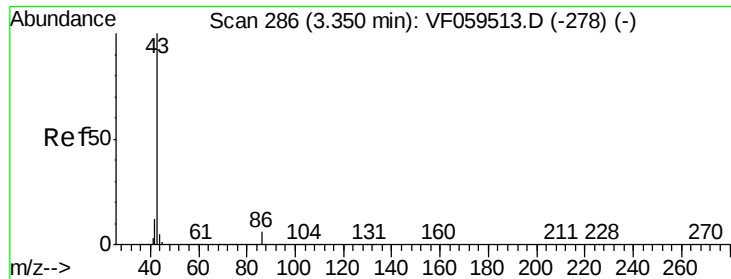
Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion:	45	Resp:	153771
Ion	Ratio	Lower	Upper
45	100		
43	60.6	43.6	65.4
87	19.9	15.6	23.4
59	8.8	6.4	9.6





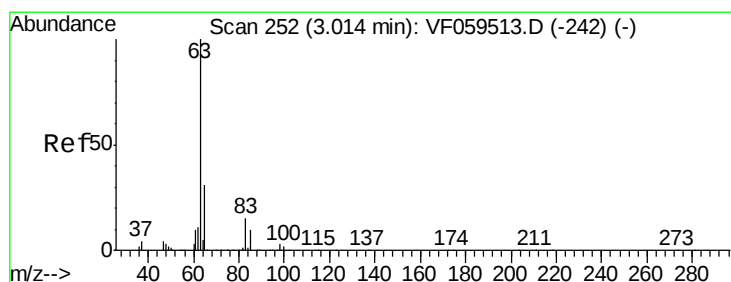
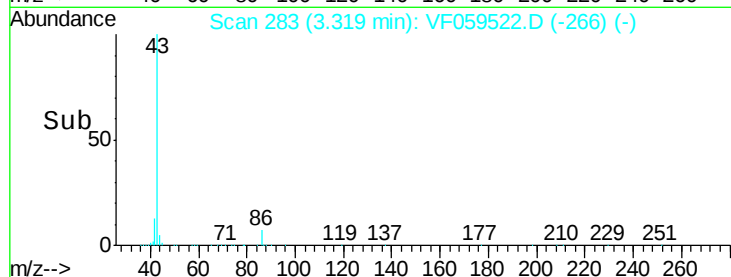
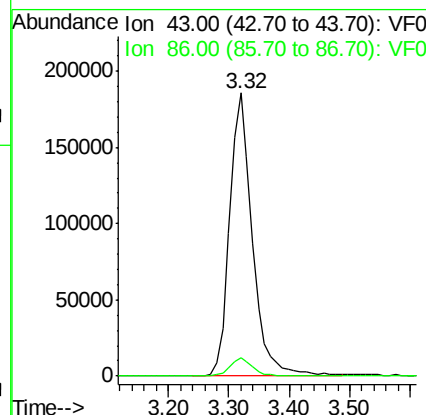
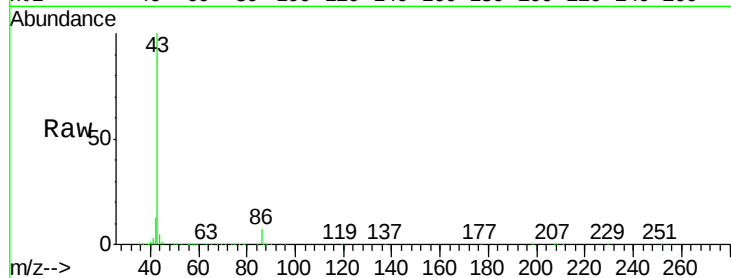
#23
 Vinyl Acetate
 Concen: 118.57 ug/l
 RT: 3.32 min Scan# 283
 Delta R.T. -0.03 min
 Lab File: VF059522.D
 Acq: 18 Jul 2018 19:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0718SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.5	4.4	6.6

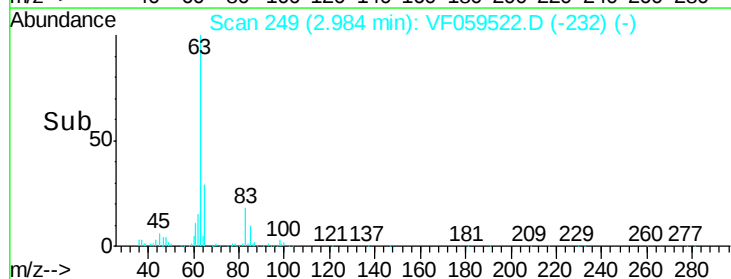
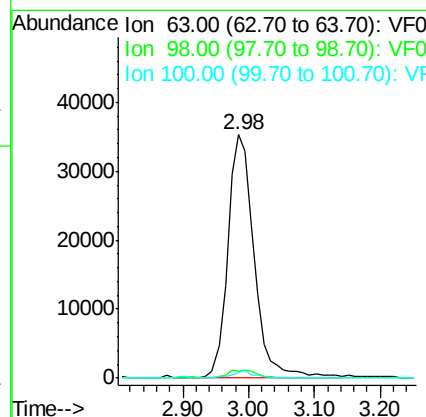
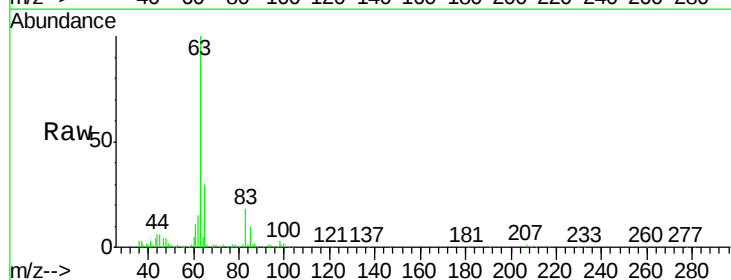
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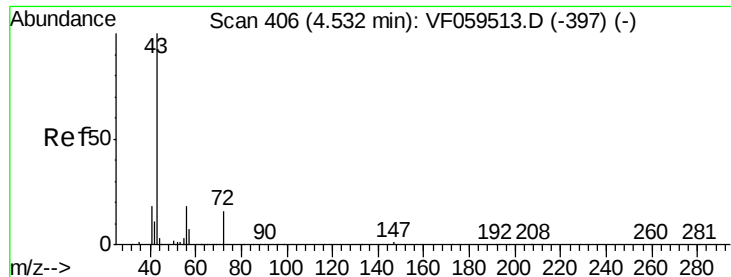
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#24
 1,1-Dichloroethane
 Concen: 22.75 ug/l
 RT: 2.98 min Scan# 249
 Delta R.T. -0.03 min
 Lab File: VF059522.D
 Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
63	100		
98	2.9	1.8	5.4
100	2.5	1.3	3.8





#25

2-Butanone

Concen: 110.42 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.04 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

VF0718SBS01

Tot Ion: 43 Resp: 106881

Ion Ratio Lower Upper

43 100

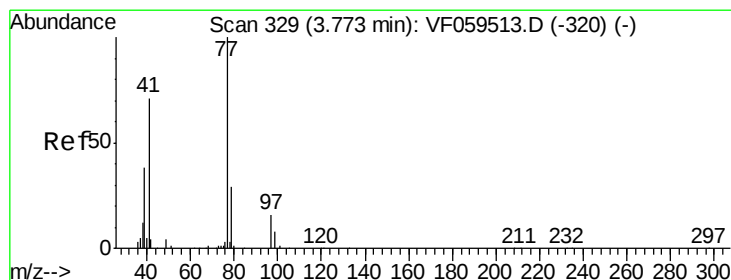
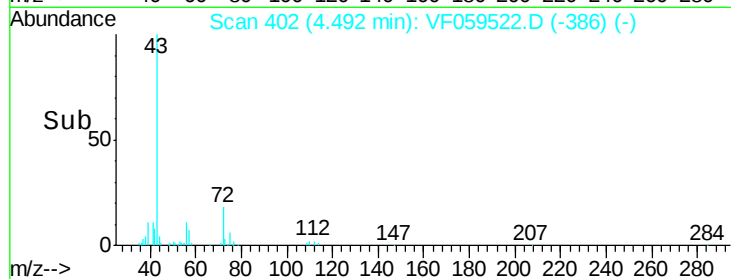
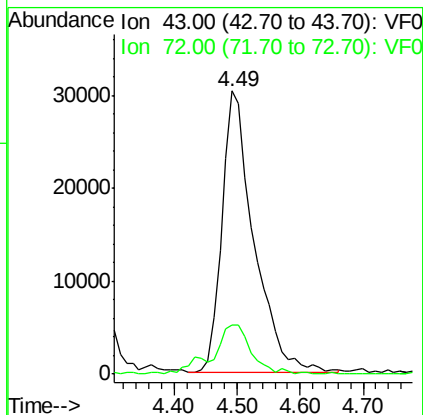
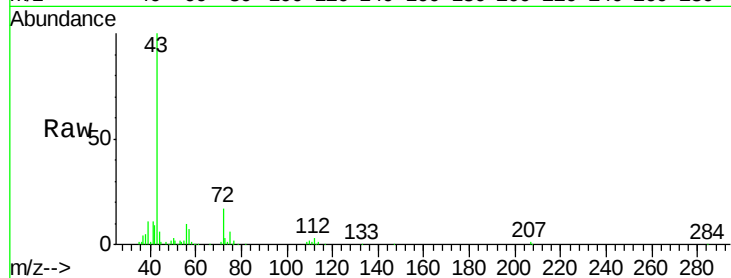
72 17.4 14.2 21.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.04 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.03 min

Lab File: VF059522.D

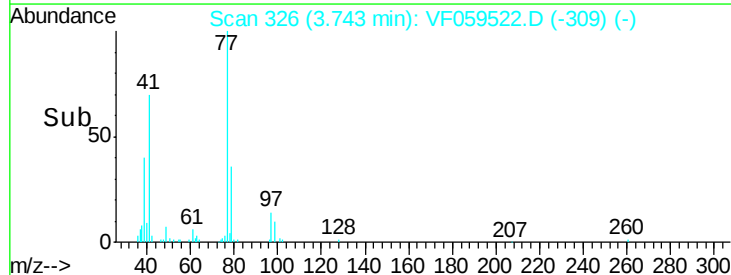
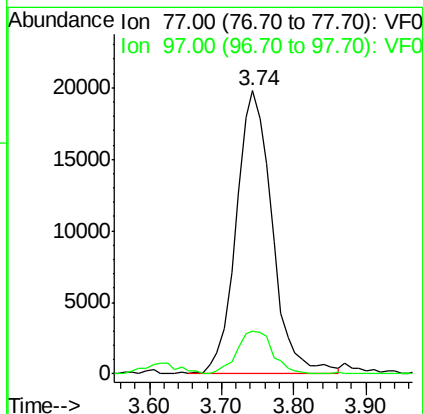
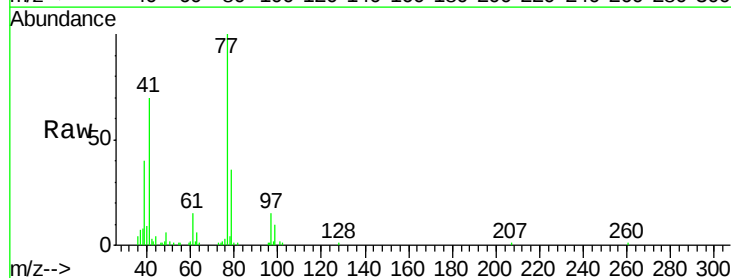
Acq: 18 Jul 2018 19:54

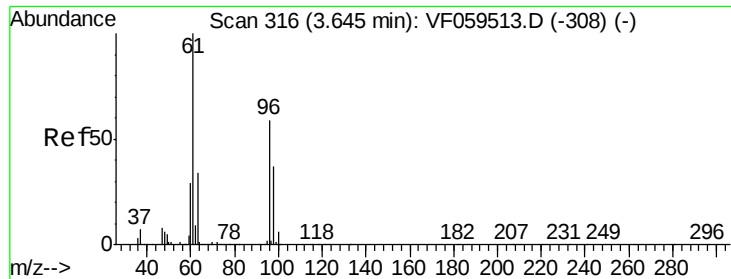
Tgt Ion: 77 Resp: 69034

Ion Ratio Lower Upper

77 100

97 15.2 8.1 24.3





#27

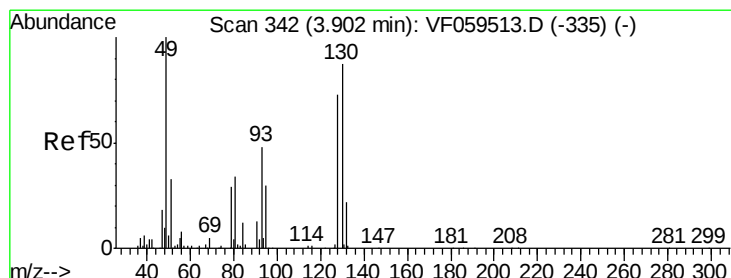
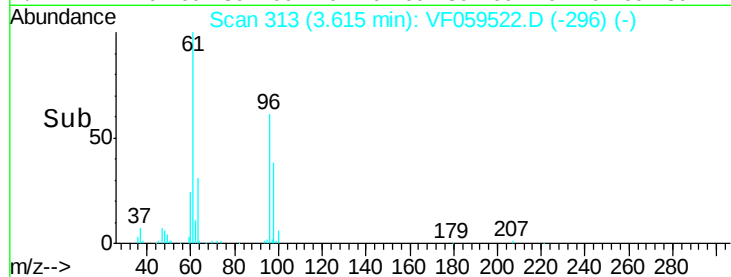
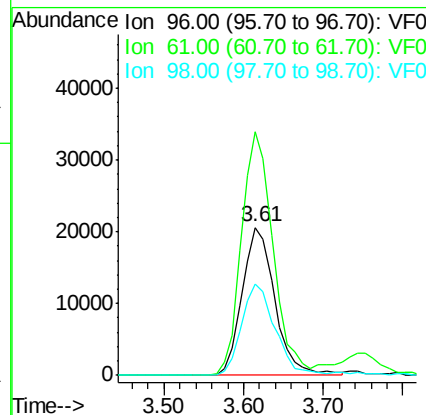
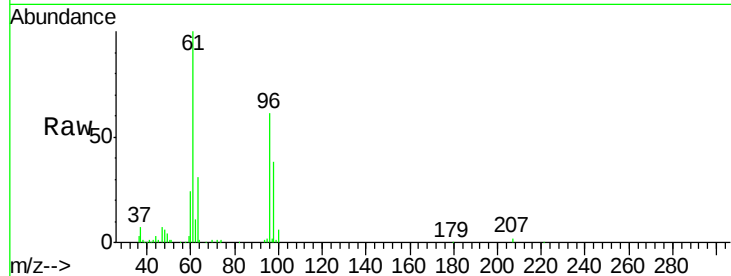
cis-1,2-Dichloroethene
Concen: 27.20 ug/l
RT: 3.61 min Scan# 313
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.9	0.0	339.0
98	62.0	0.0	125.4

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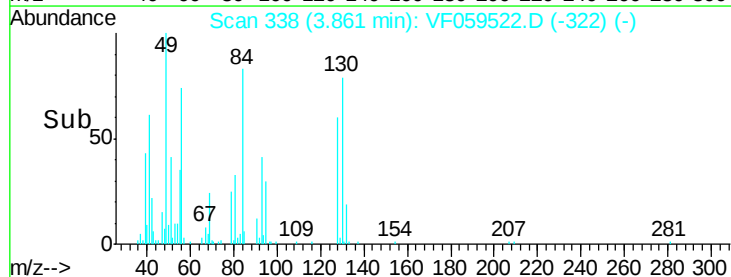
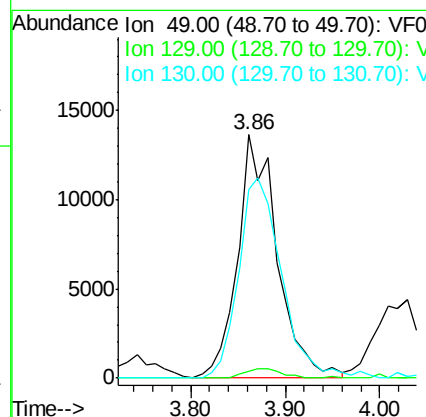
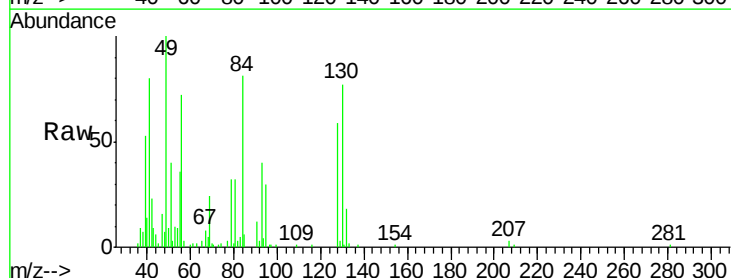
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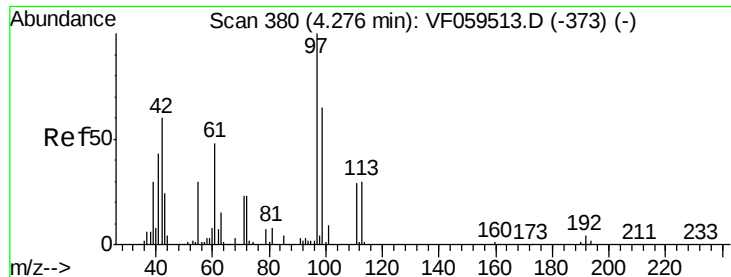


#28

Bromochloromethane
Concen: 20.78 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.04 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	0.0#
130	77.5	69.8	104.6





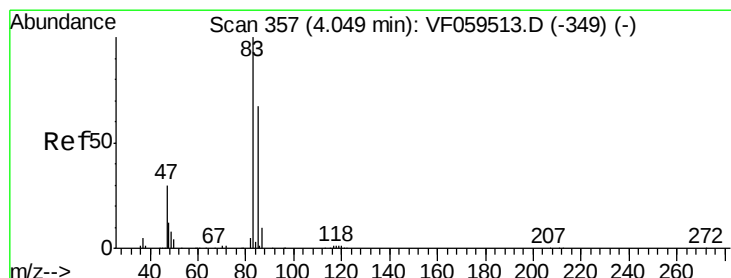
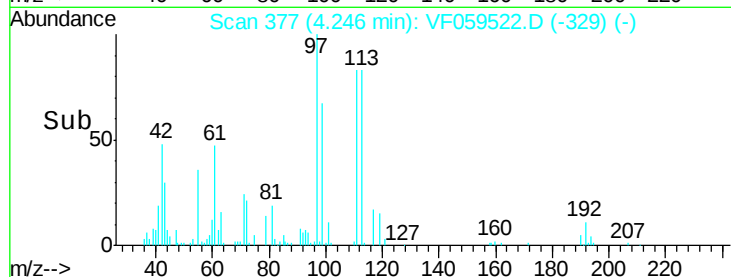
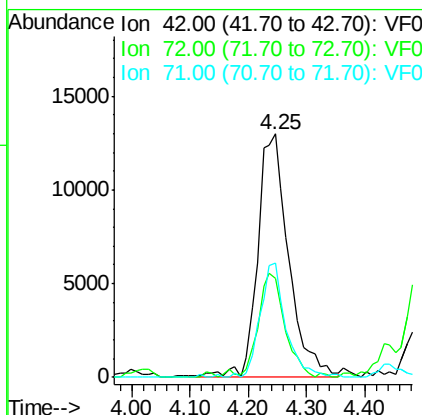
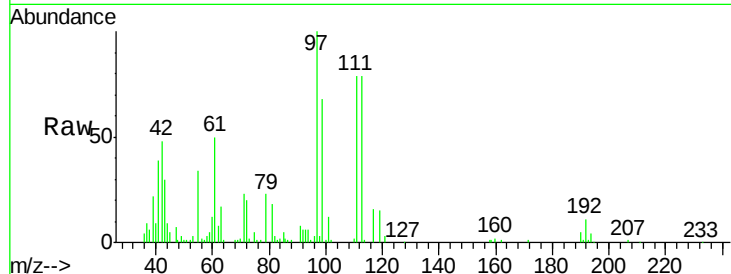
#29
Tetrahydrofuran
Concen: 111.52 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	28.7	43.1
71	39.0	30.8	46.2

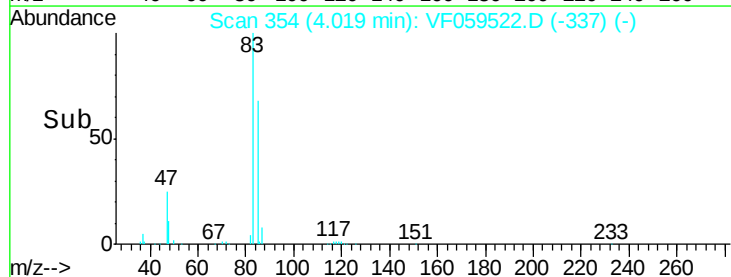
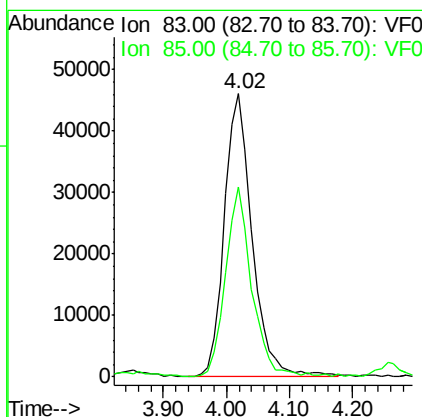
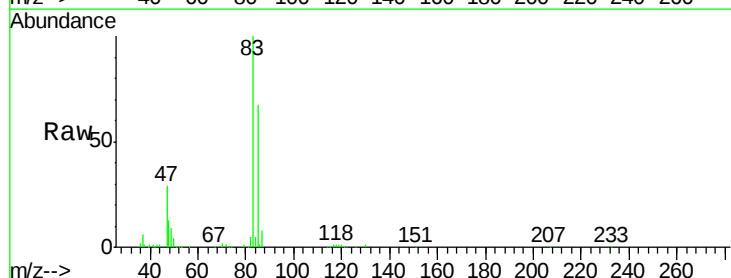
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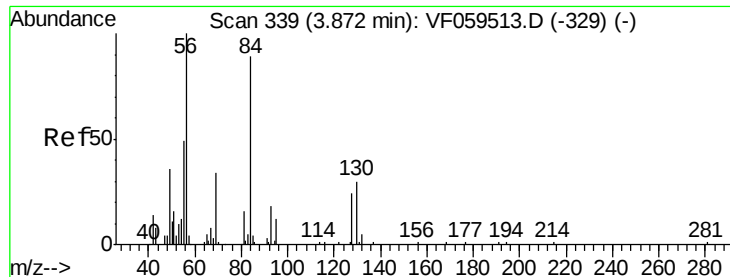
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#30
Chloroform
Concen: 22.55 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	53.2	79.8





#31

Cyclohexane

Concen: 26.14 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.02 min

Lab File: VF059522.D

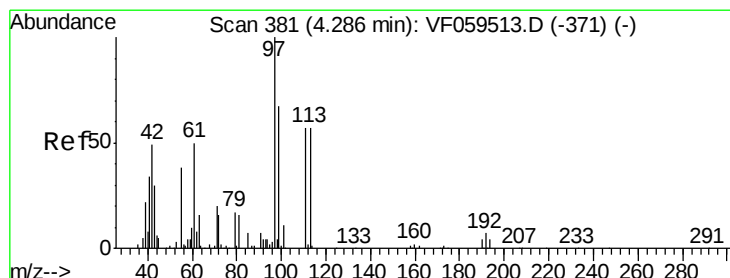
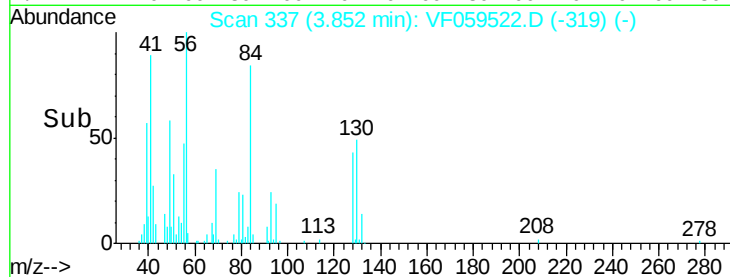
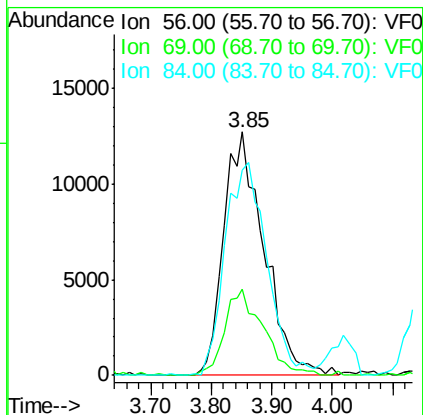
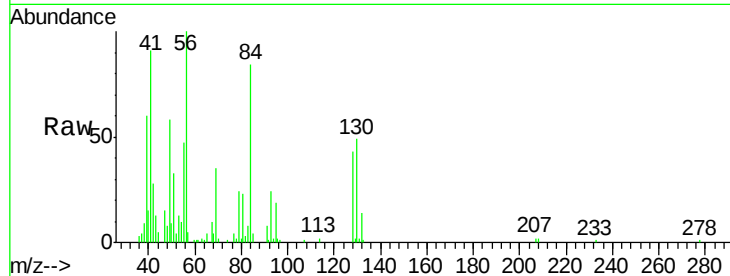
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion:	56	Resp:	58770
Ion	Ratio	Lower	Upper
56	100		
69	35.3	27.6	41.4
84	84.3	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 25.62 ug/l

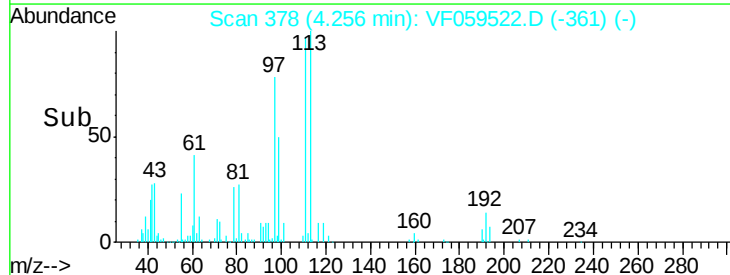
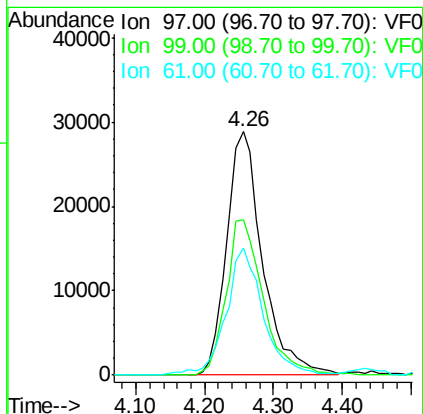
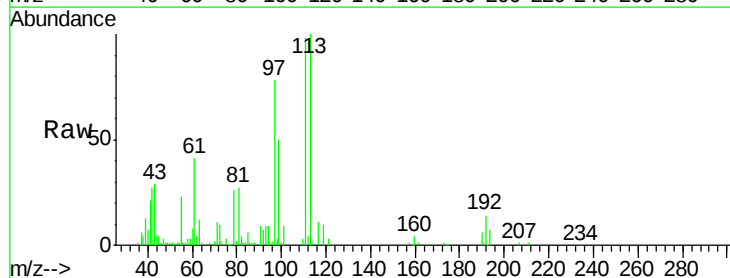
RT: 4.26 min Scan# 378

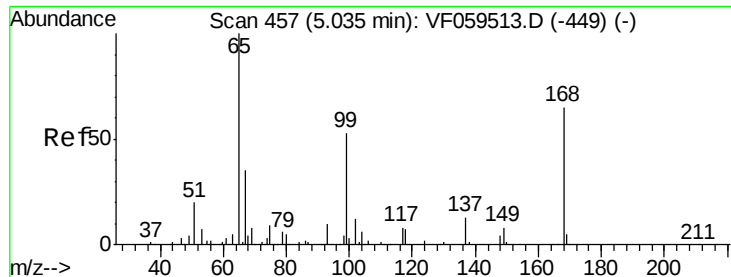
Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion:	97	Resp:	104393
Ion	Ratio	Lower	Upper
97	100		
99	63.7	53.5	80.3
61	52.4	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 53.53 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tot Ion: 65 Resp: 223163

Ion Ratio Lower Upper

65 100

67 44.5 0.0 91.2

Instrument :

MSVOA_F

ClientSampleId :

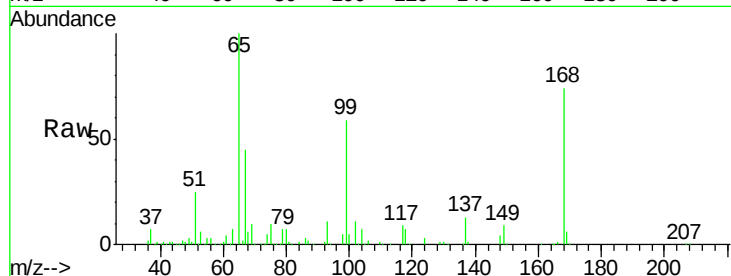
VF0718SBS01

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

80000

60000

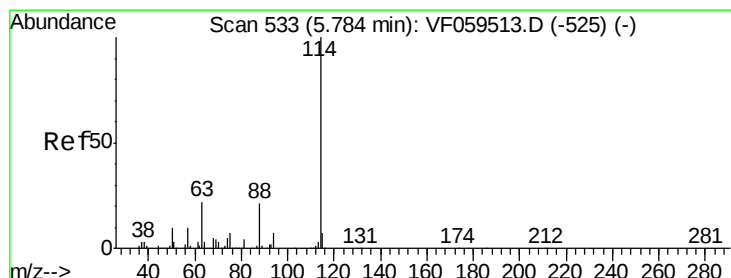
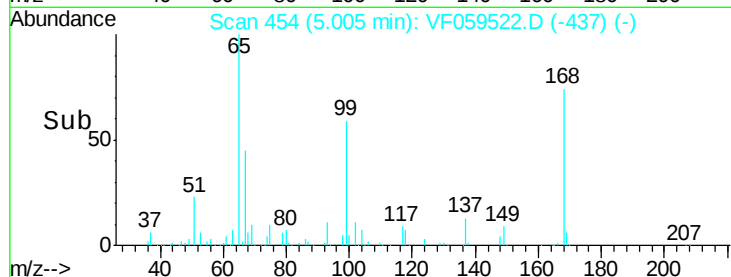
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.04 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

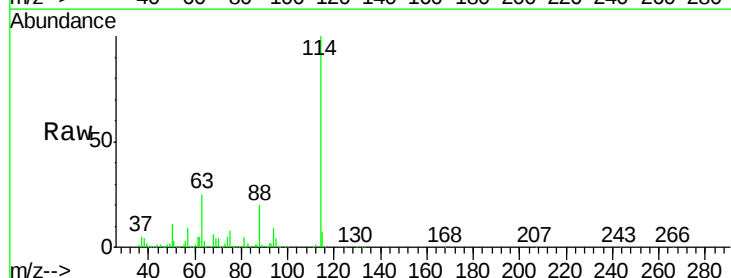
Tgt Ion: 114 Resp: 384466

Ion Ratio Lower Upper

114 100

63 24.6 0.0 44.8

88 20.3 0.0 42.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

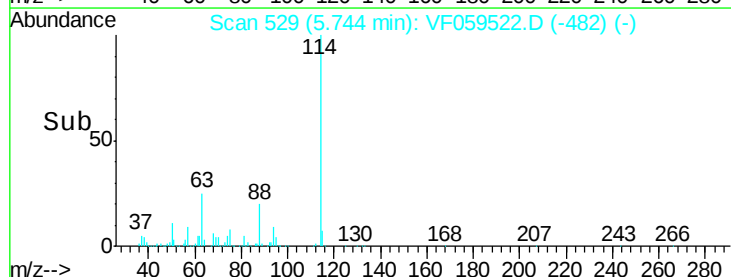
100000

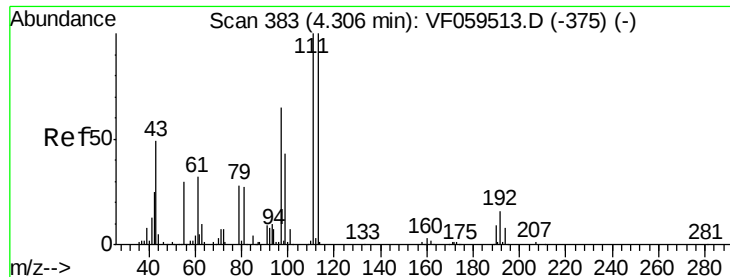
50000

0

Time-->

5.60 5.70 5.80 5.90





#35

Dibromofluoromethane

Concen: 52.82 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

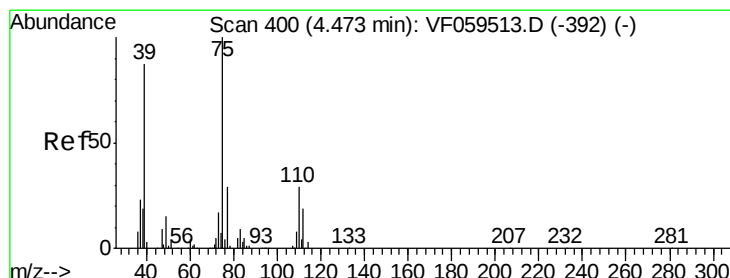
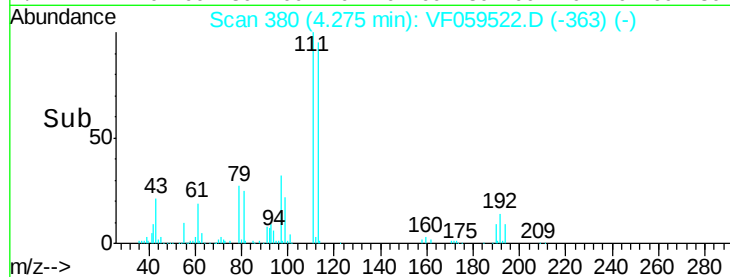
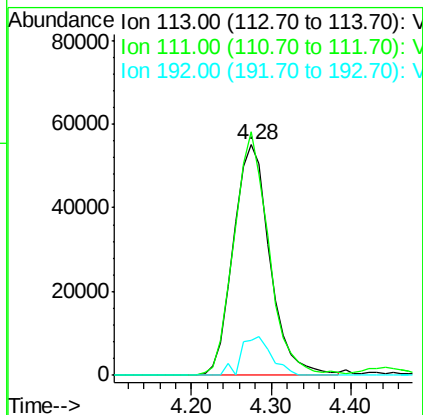
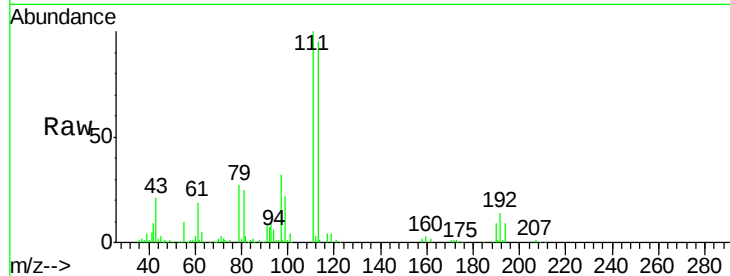
ClientSampleId :

VF0718SBS01

Tot Ion:	113	Resp:	175889
Ion Ratio	Lower	Upper	
113	100		
111	105.7	80.3	120.5
192	14.9	13.1	19.7

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#36

1,1-Dichloropropene

Concen: 22.48 ug/l

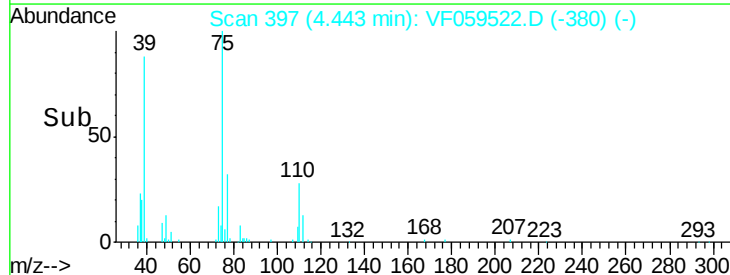
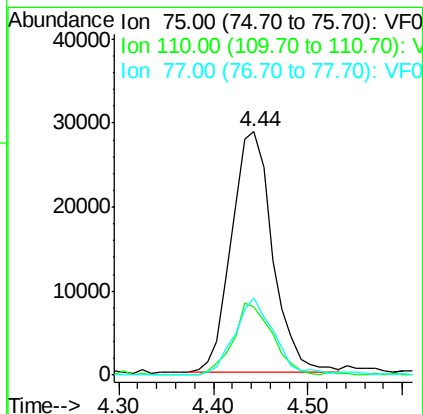
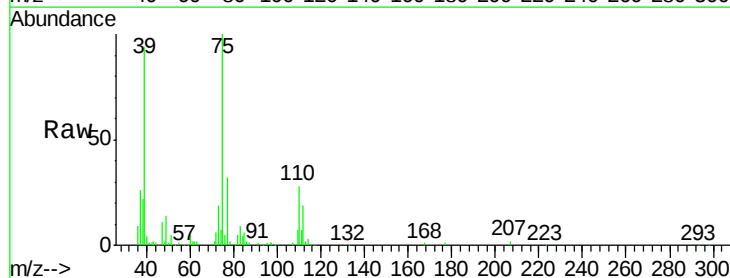
RT: 4.44 min Scan# 397

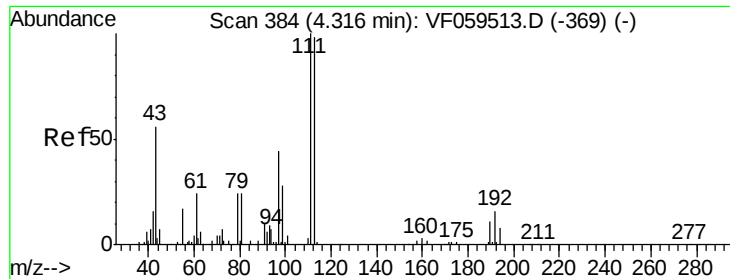
Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion:	75	Resp:	86520
Ion Ratio	Lower	Upper	
75	100		
110	27.8	14.6	43.8
77	31.7	23.7	35.5





#37

Ethyl Acetate

Concen: 22.54 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.04 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

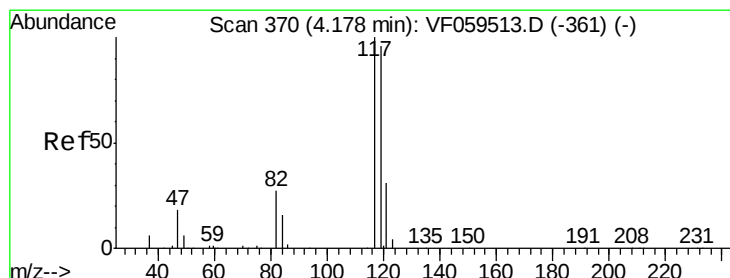
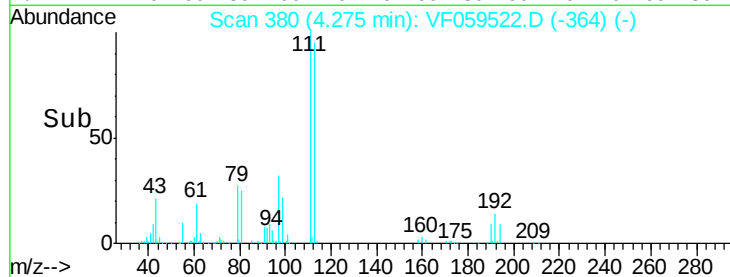
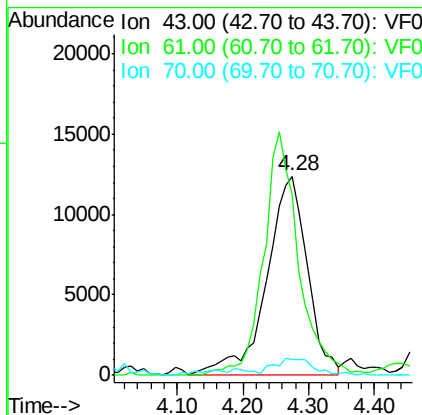
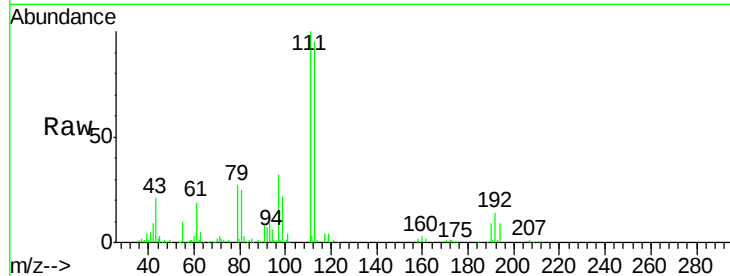
ClientSampleId :

VF0718SBS01

Tot Ion:	43	Resp:	53258
Ion Ratio	Lower	Upper	
43	100		
61	90.8	33.7	50.5#
70	8.2	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 26.75 ug/l m

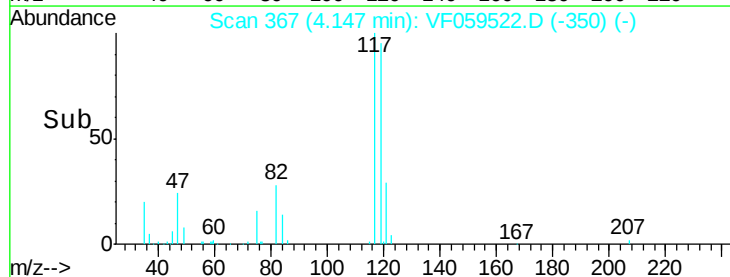
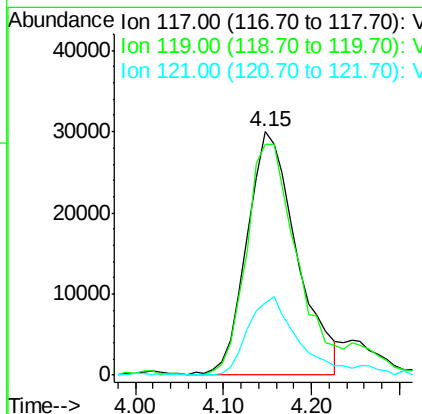
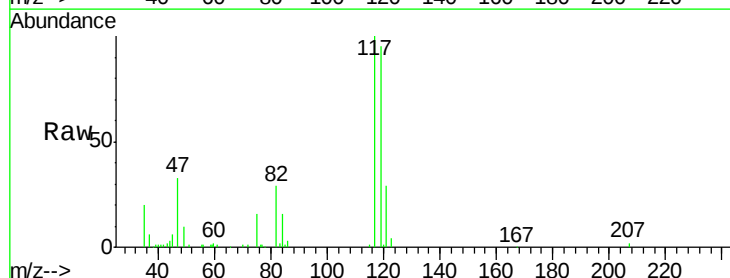
RT: 4.15 min Scan# 367

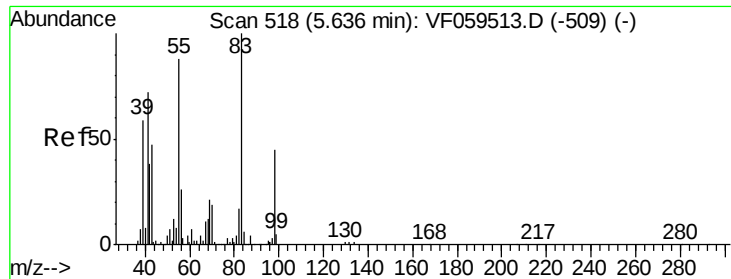
Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion:	117	Resp:	117985
Ion Ratio	Lower	Upper	
117	100		
119	94.7	77.6	116.4
121	29.4	24.9	37.3





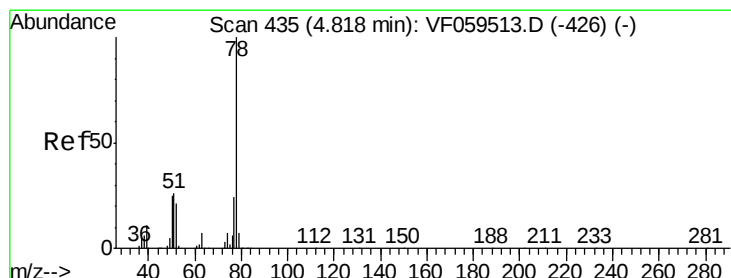
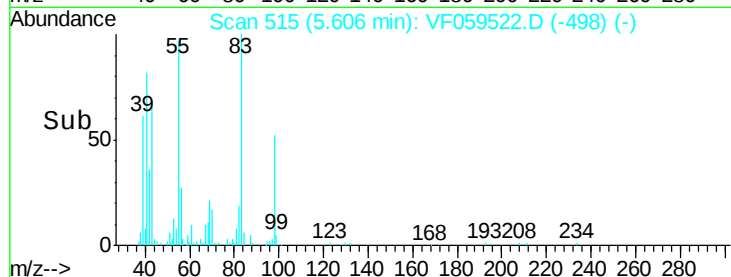
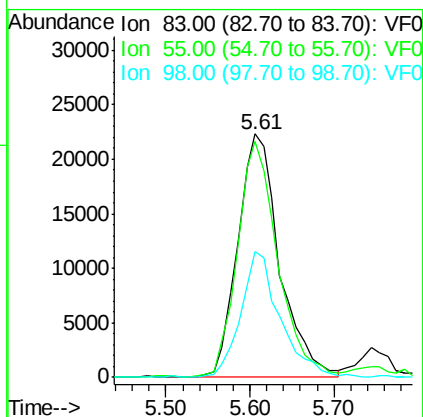
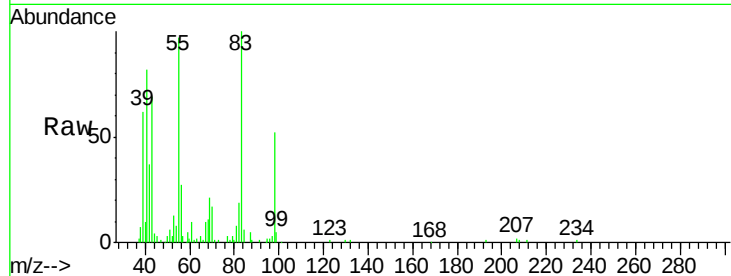
#39
Methylcyclohexane
Concen: 26.55 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.0	70.2	105.4
98	51.9	36.2	54.2

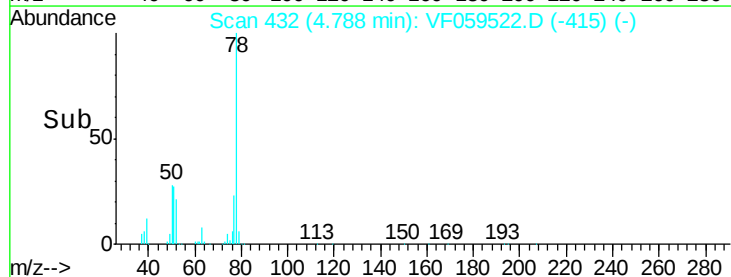
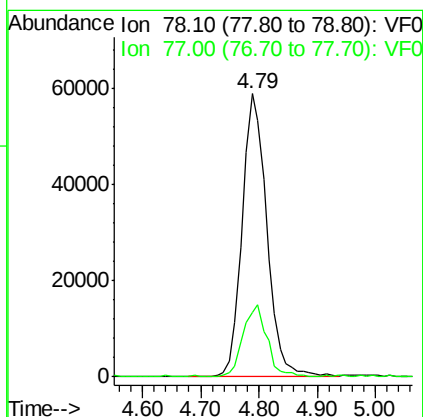
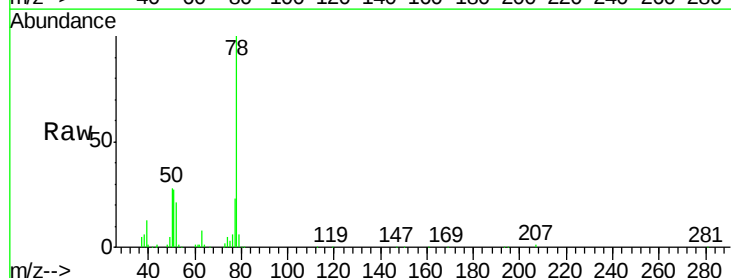
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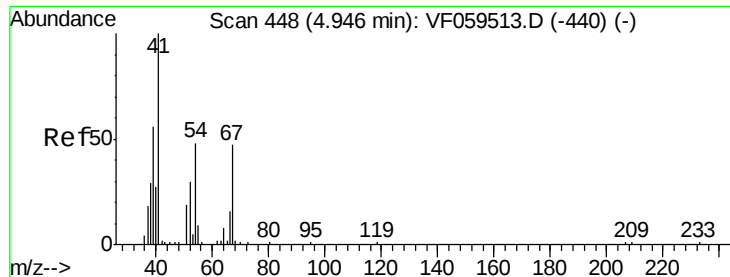
apatel
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#40
Benzene
Concen: 23.47 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.4	29.0





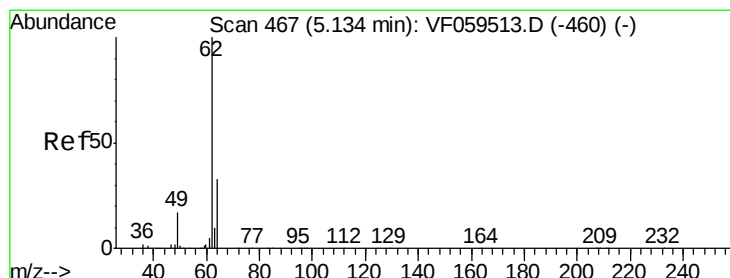
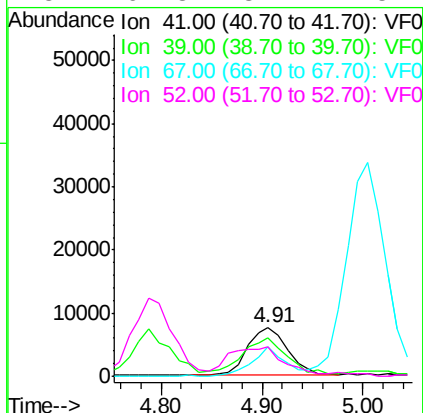
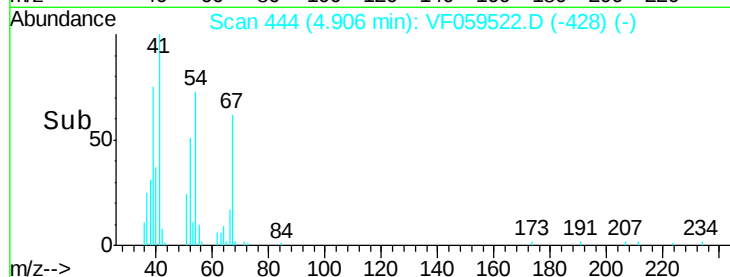
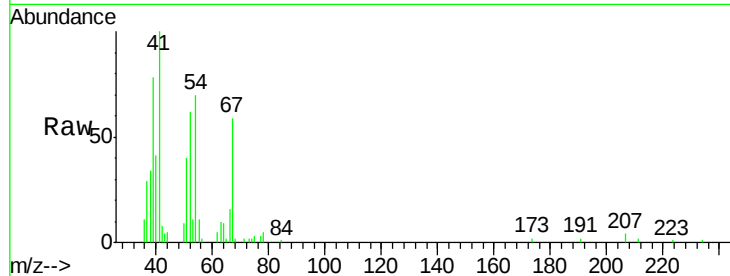
#41
Methacrylonitrile
Concen: 19.44 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.04 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.1	49.4	74.0#
67	59.4	37.4	56.2#
52	61.8	32.1	48.1#

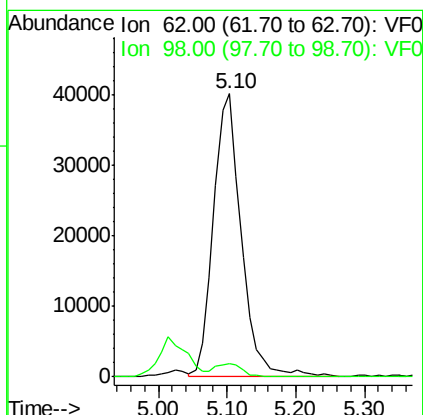
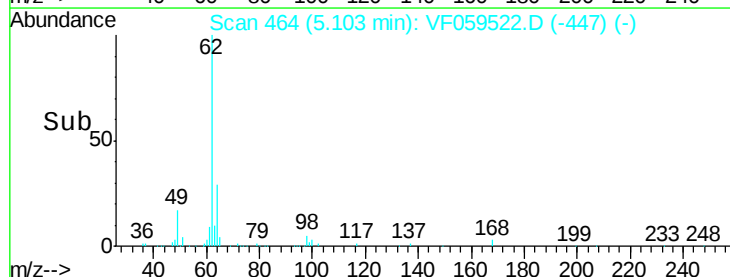
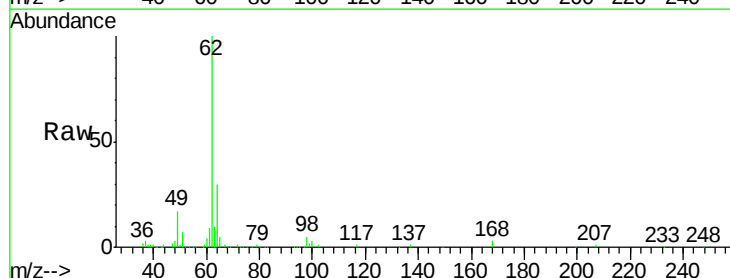
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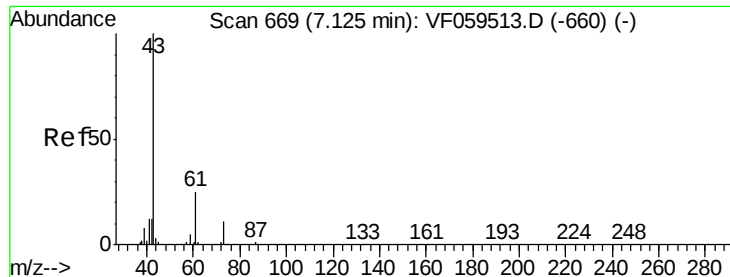
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#42
1,2-Dichloroethane
Concen: 23.07 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	9.6





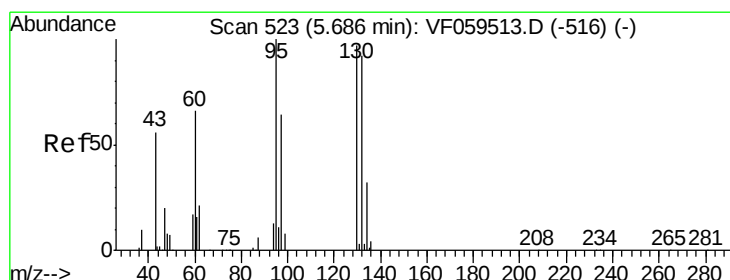
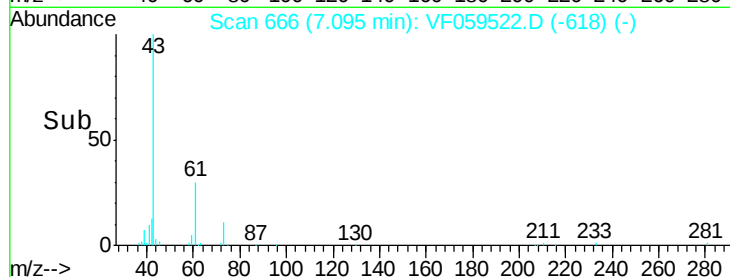
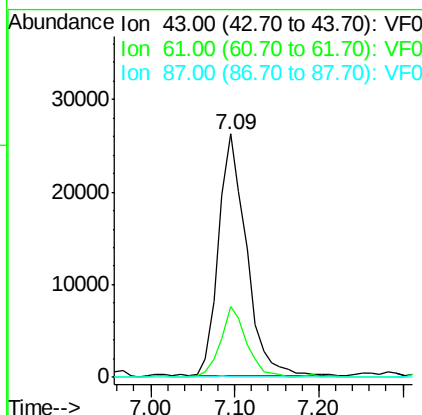
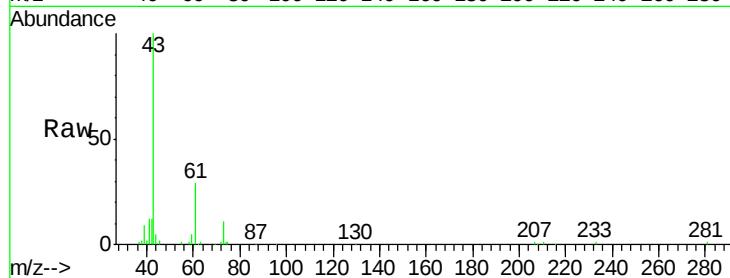
#43
Isopropyl Acetate
Concen: 21.79 ug/l
RT: 7.09 min Scan# 666
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	20.3	30.5
87	0.4	0.4	0.6

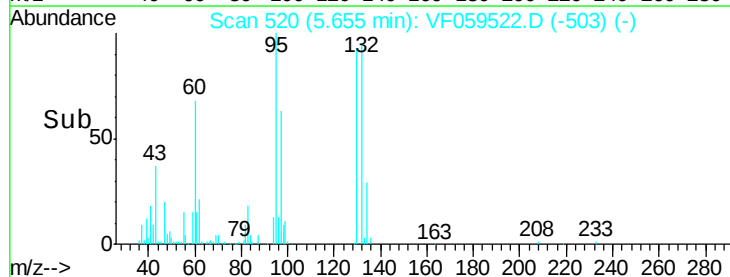
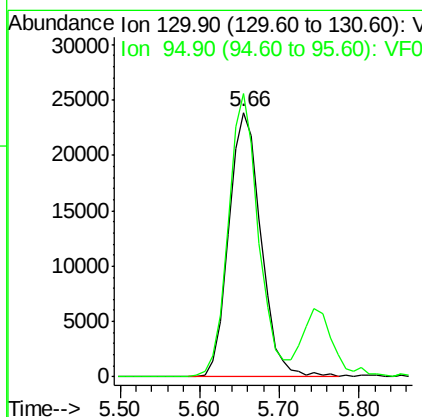
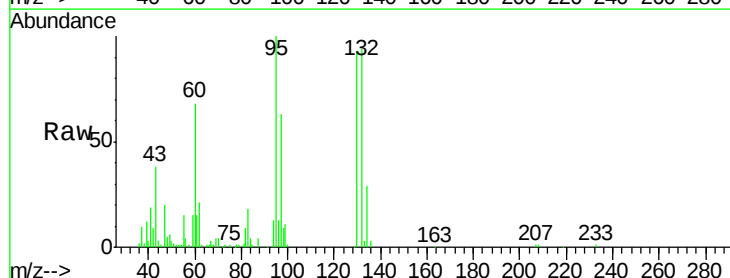
Manual Integrations
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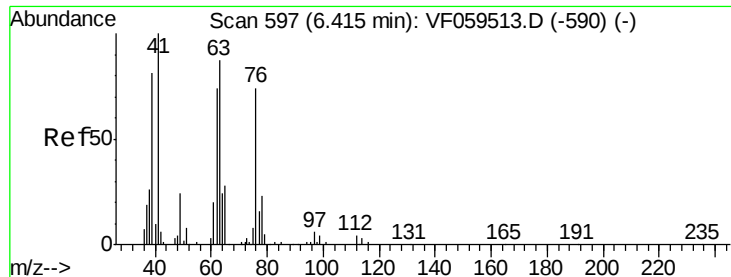
apatel
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#44
Trichloroethene
Concen: 24.23 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	206.6





#45

1,2-Dichloropropane

Concen: 22.96 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

VF0718SBS01

Tot Ion: 63 Resp: 47578

Ion Ratio Lower Upper

63 100

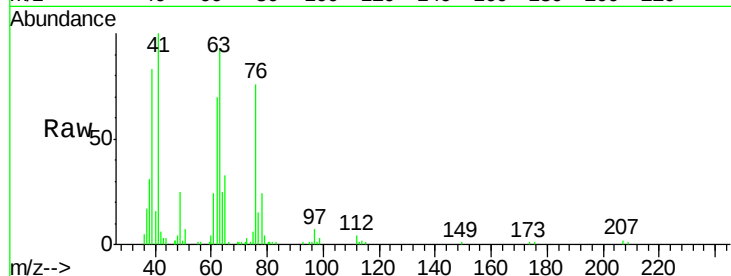
65 35.3 26.1 39.1

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.38

20000

15000

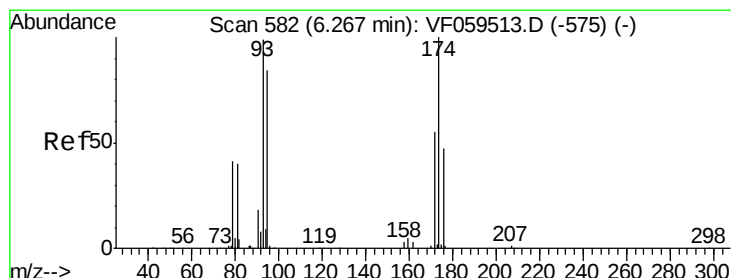
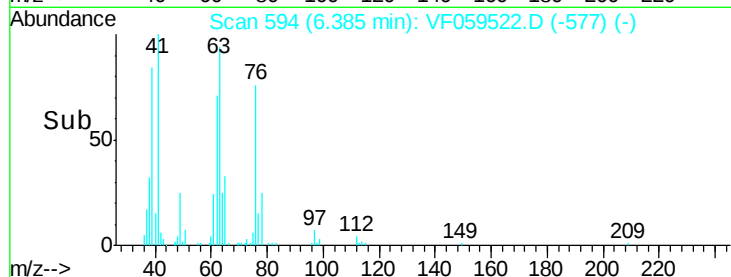
10000

5000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 24.06 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

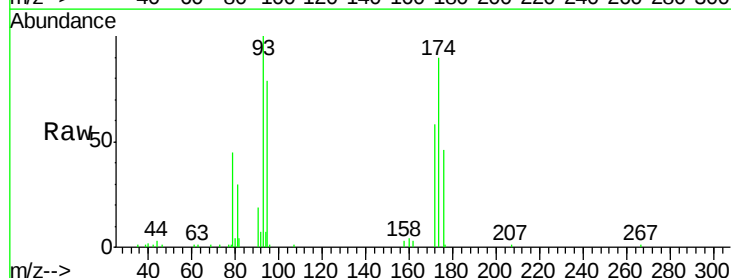
Tgt Ion: 93 Resp: 45404

Ion Ratio Lower Upper

93 100

95 78.5 68.3 102.5

174 89.7 81.2 121.8



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

6.24

20000

15000

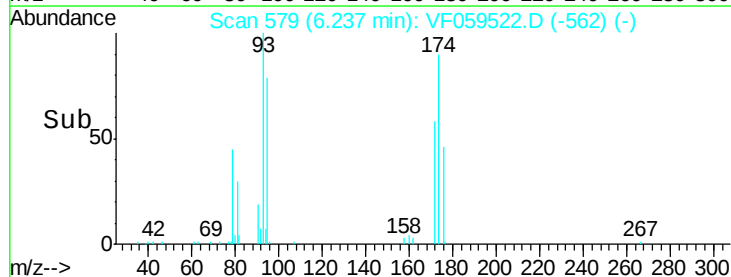
10000

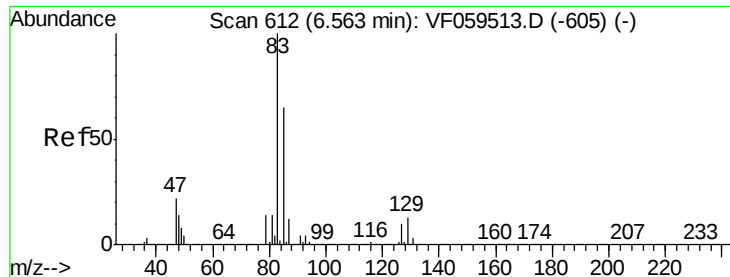
5000

0

6.10 6.20 6.30 6.40

Time-->





#47

Bromodichloromethane

Concen: 22.64 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

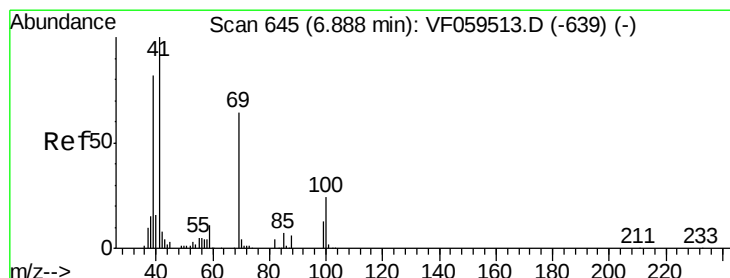
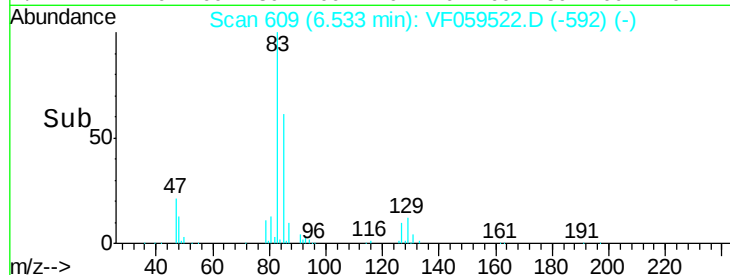
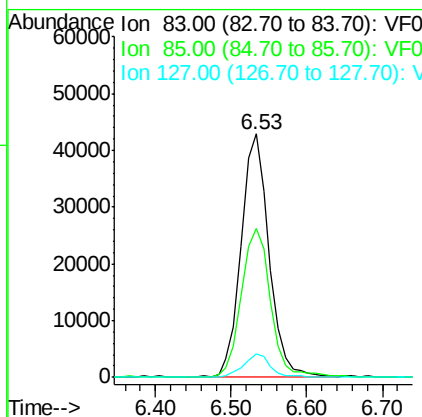
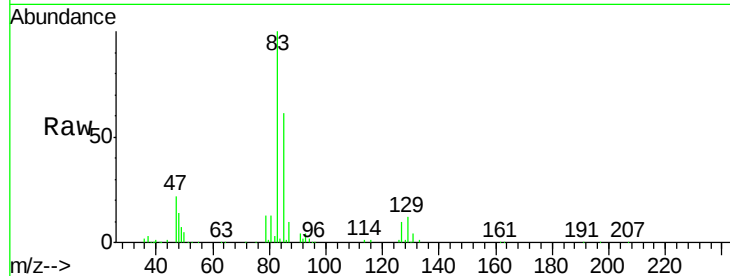
ClientSampleId :

VF0718SBS01

Tot Ion:	83	Resp:	109954
Ion Ratio	Lower	Upper	
83	100		
85	61.0	52.4	78.6
127	9.7	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.98 ug/l

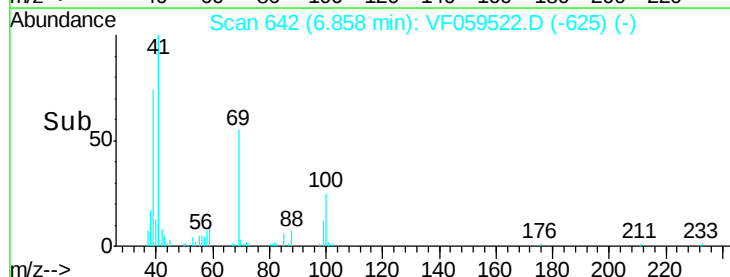
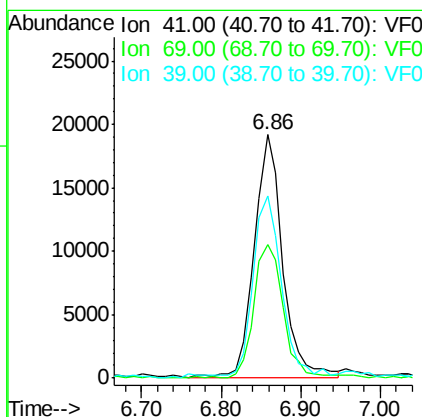
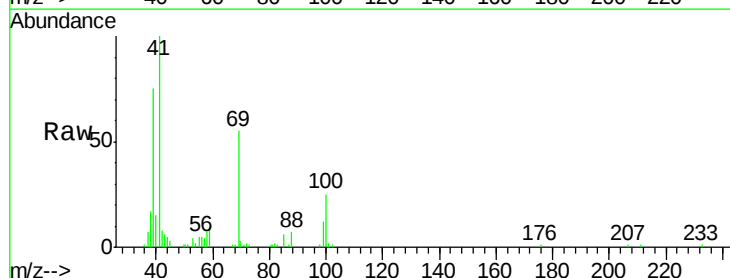
RT: 6.86 min Scan# 642

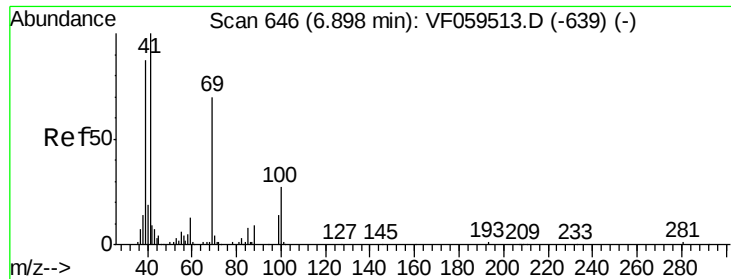
Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion:	41	Resp:	47367
Ion Ratio	Lower	Upper	
41	100		
69	54.6	51.3	76.9
39	74.9	65.3	97.9





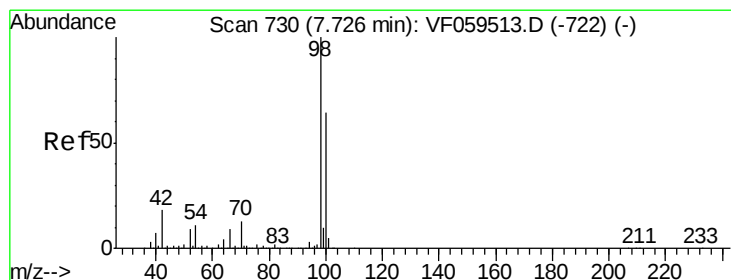
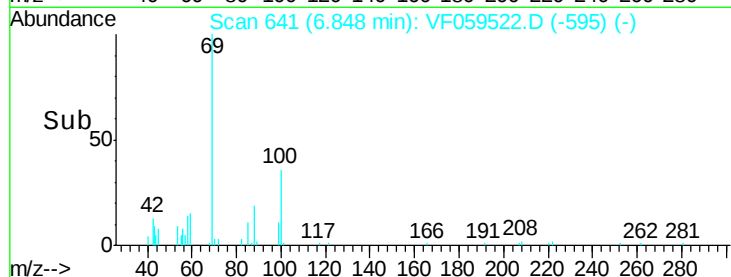
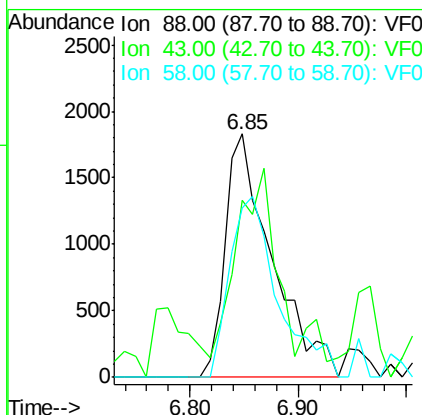
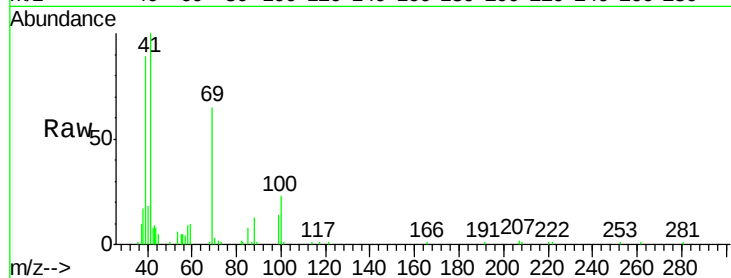
#49
1,4-Dioxane
Concen: 580.37 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.05 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	72.9	64.8	97.2
58	69.5	44.1	66.1#

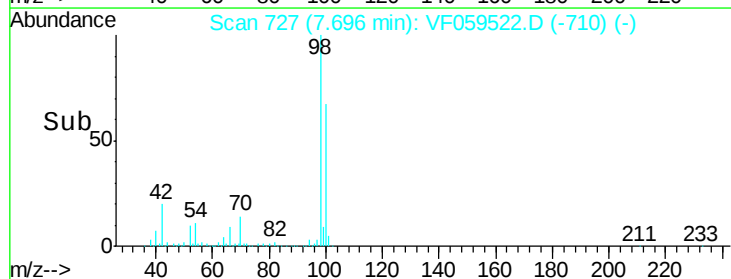
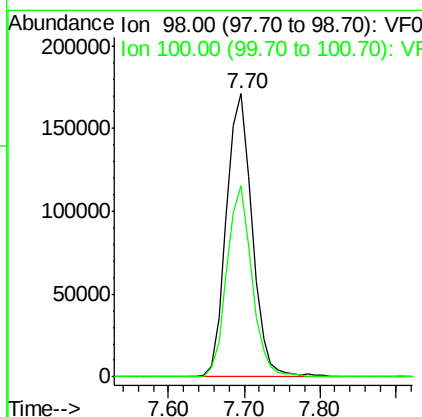
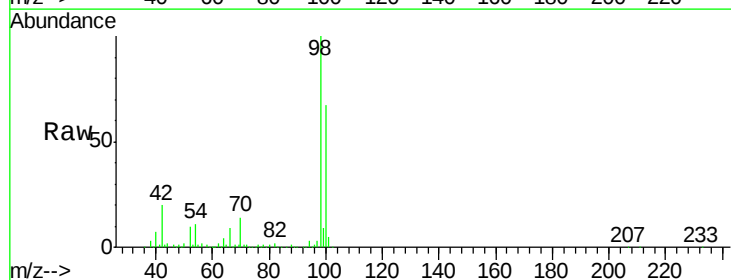
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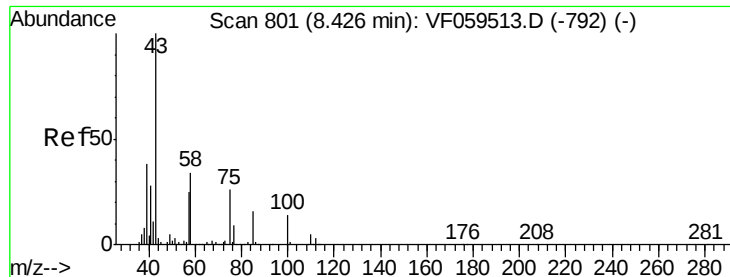
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#50
Toluene-d8
Concen: 48.16 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 113.08 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

VF0718SBS01

Tot Ion: 43 Resp: 221663

Ion Ratio Lower Upper

43 100

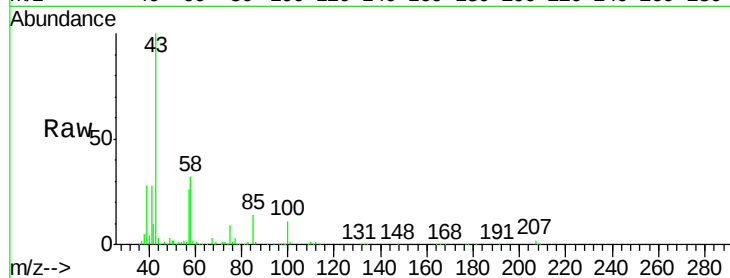
58 31.6 27.4 41.2

Manual Integrations

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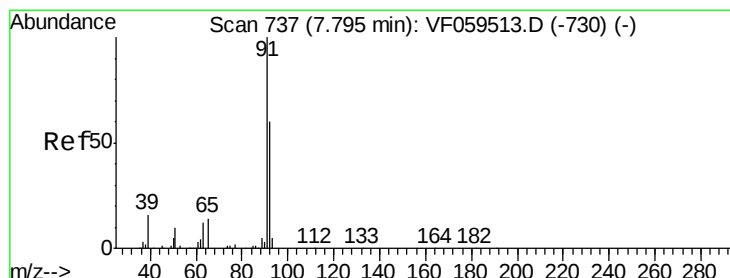
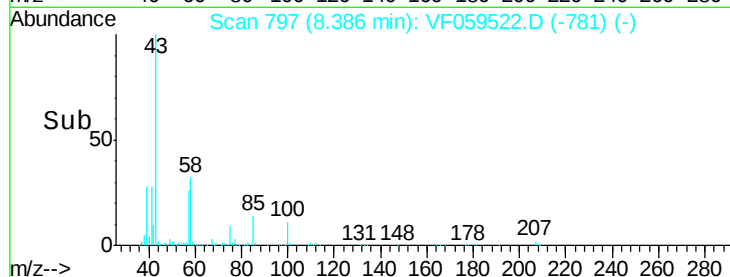
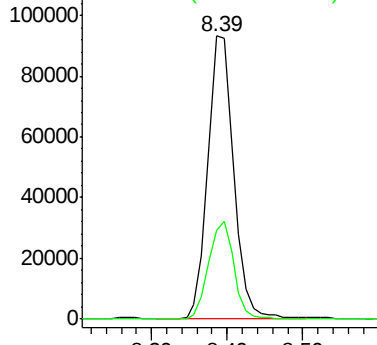
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 23.52 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059522.D

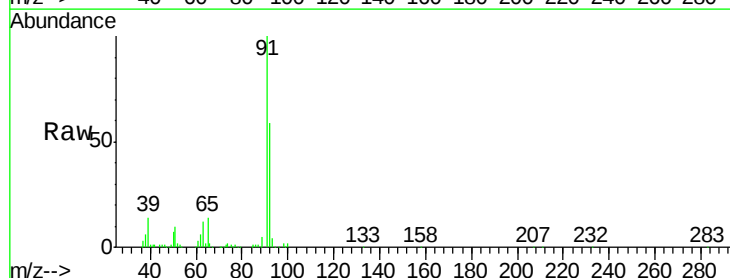
Acq: 18 Jul 2018 19:54

Tgt Ion: 92 Resp: 127332

Ion Ratio Lower Upper

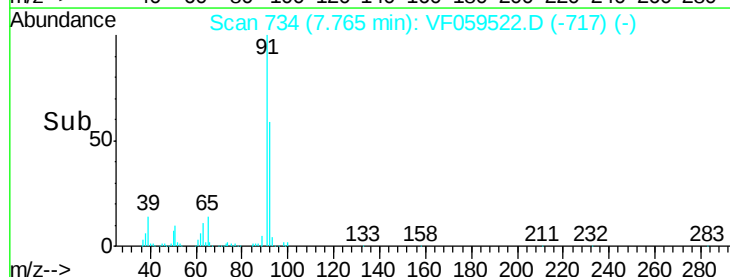
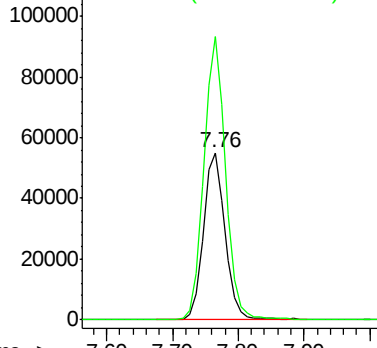
92 100

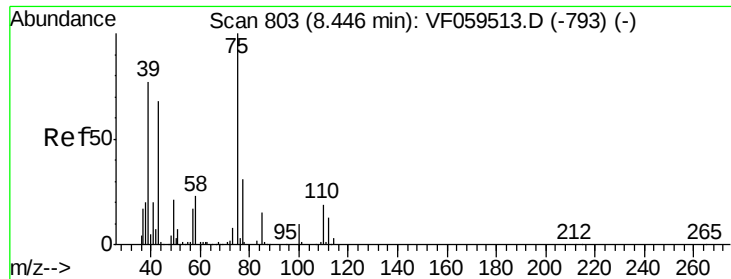
91 169.6 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.75 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

VF0718SBS01

Tot Ion: 75 Resp: 101637

Ion Ratio Lower Upper

75 100

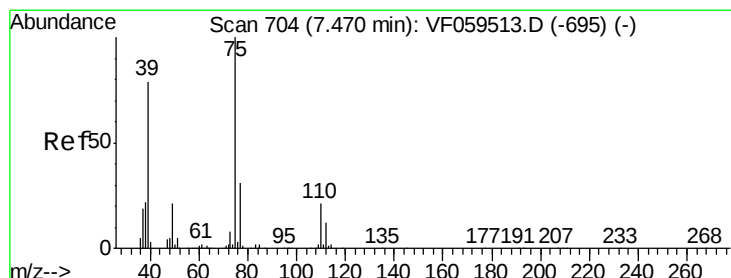
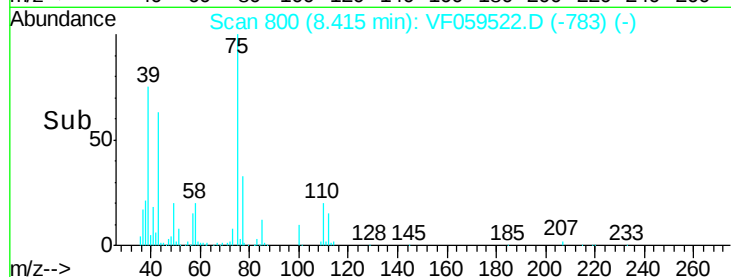
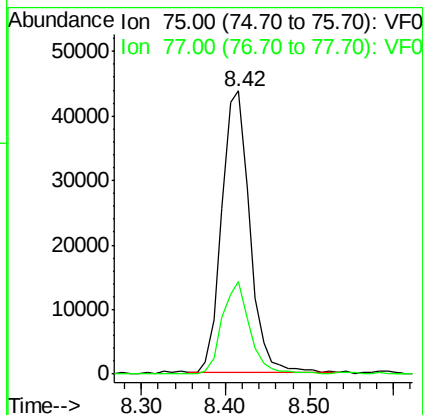
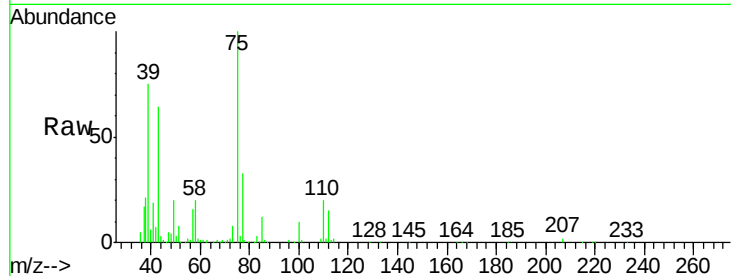
77 32.6 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 22.86 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

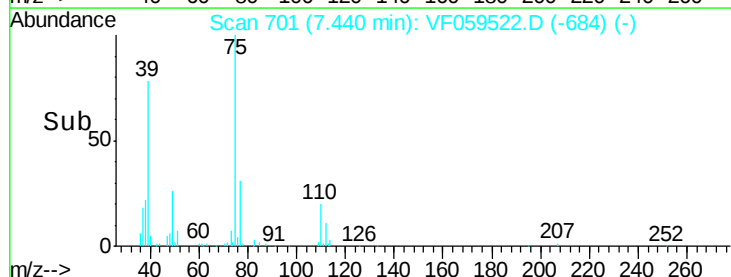
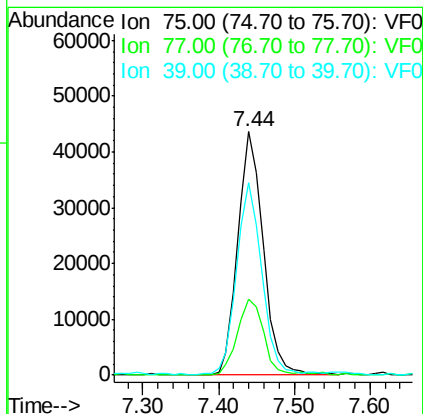
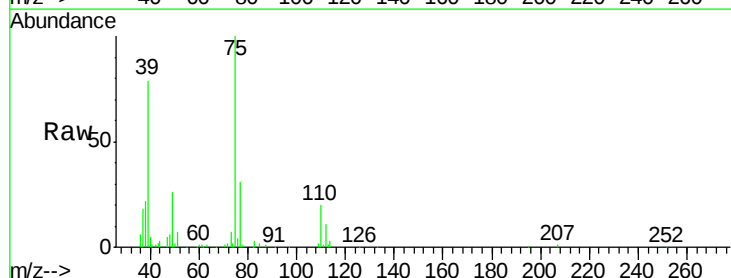
Tgt Ion: 75 Resp: 101724

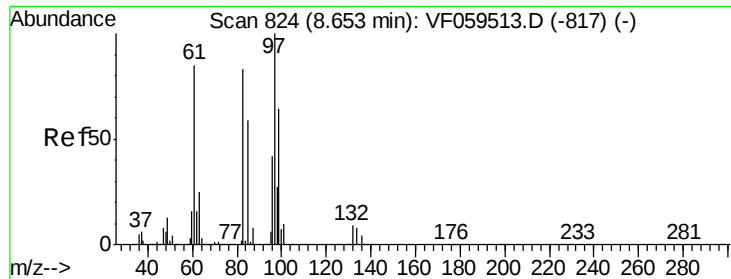
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.6

39 79.1 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 23.36 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

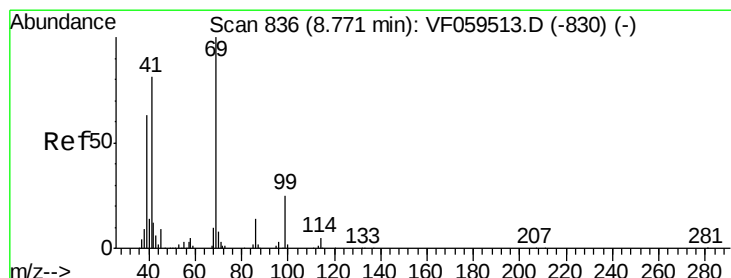
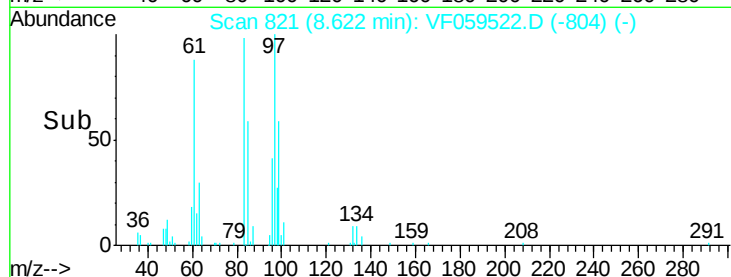
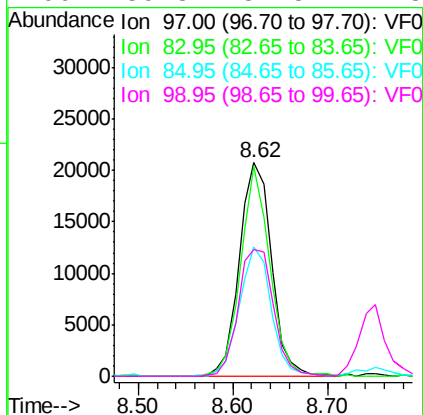
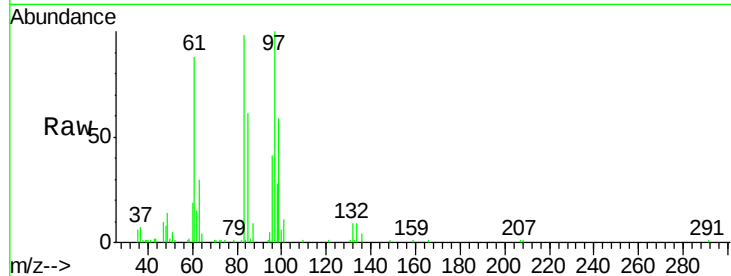
ClientSampleId :

VF0718SBS01

Tot Ion:	97	Resp:	49002
Ion	Ratio	Lower	Upper
97	100		
83	98.3	66.9	100.3
85	60.6	46.9	70.3
99	59.3	51.5	77.3

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#56

Ethyl methacrylate

Concen: 21.98 ug/l

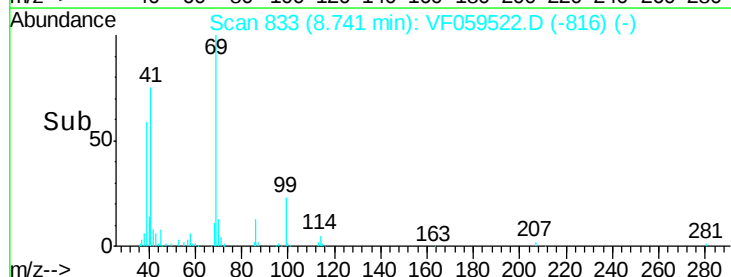
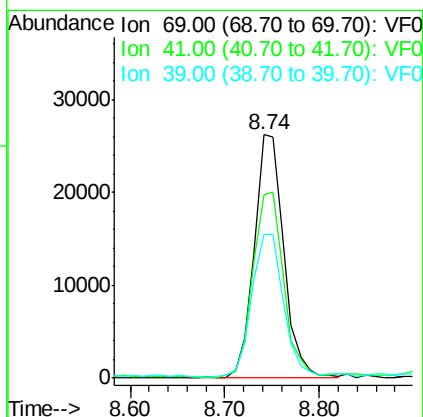
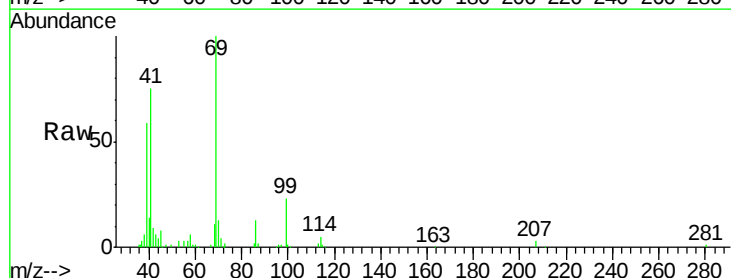
RT: 8.74 min Scan# 833

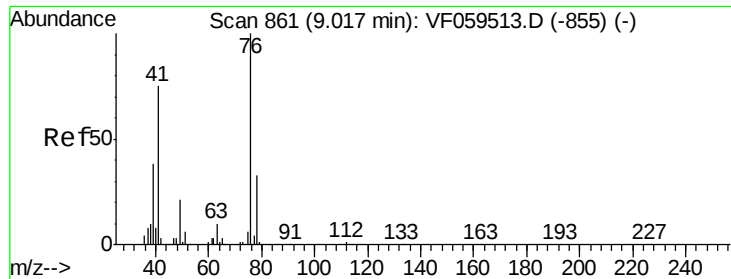
Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion:	69	Resp:	57194
Ion	Ratio	Lower	Upper
69	100		
41	75.2	65.4	98.2
39	59.2	51.0	76.4





#57

1,3-Dichloropropane

Concen: 22.71 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

VF0718SBS01

Tot Ion: 76 Resp: 84250

Ion Ratio Lower Upper

76 100

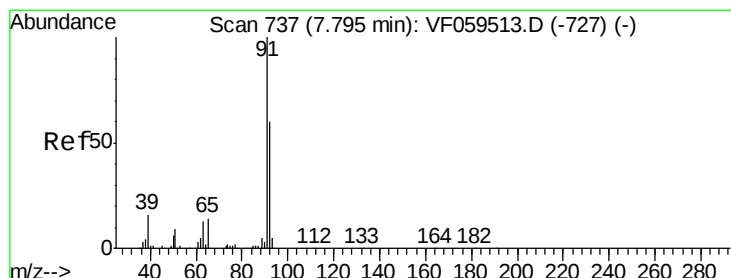
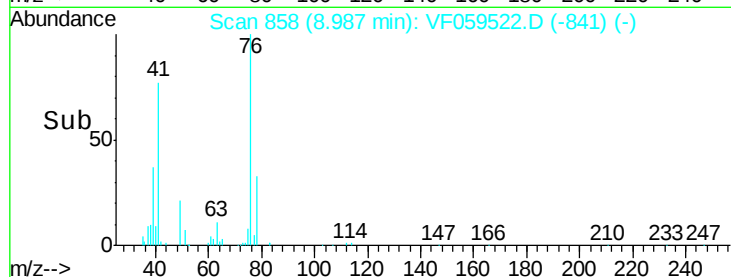
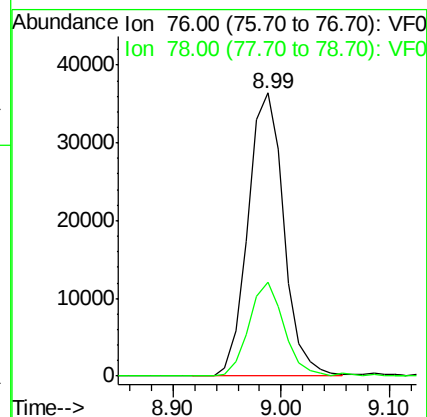
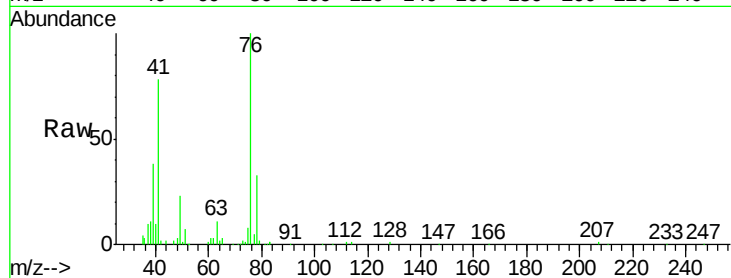
78 33.2 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 117.08 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059522.D

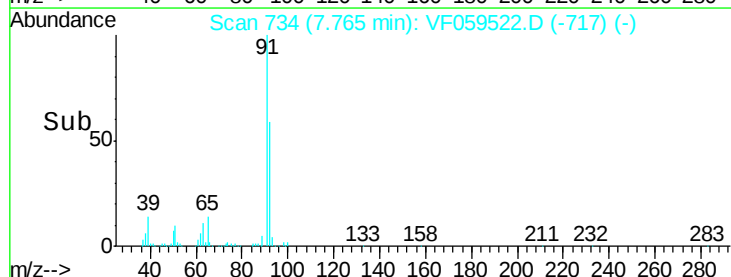
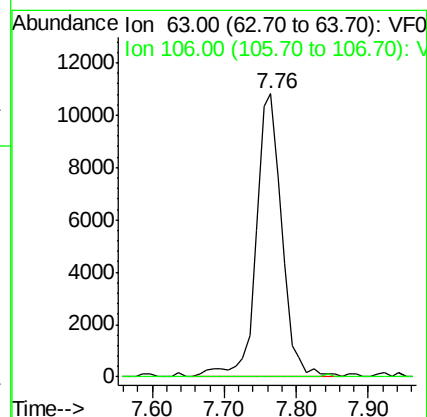
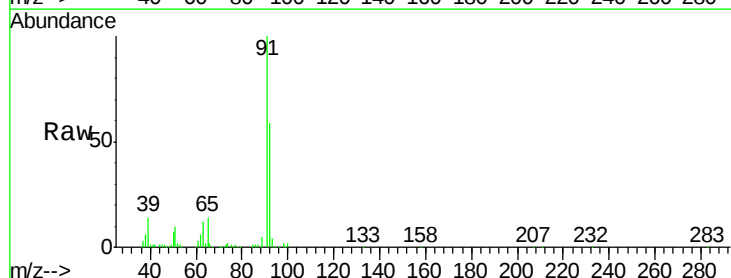
Acq: 18 Jul 2018 19:54

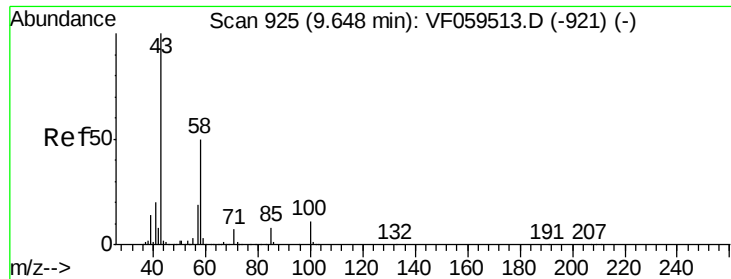
Tgt Ion: 63 Resp: 26893

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





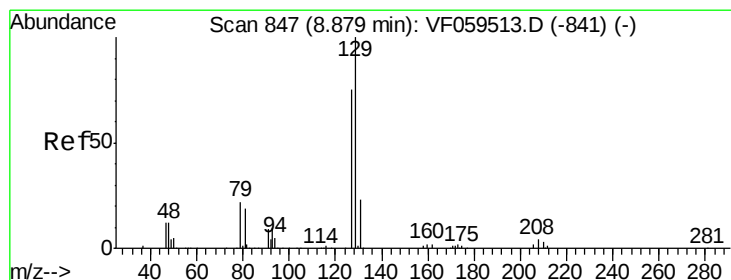
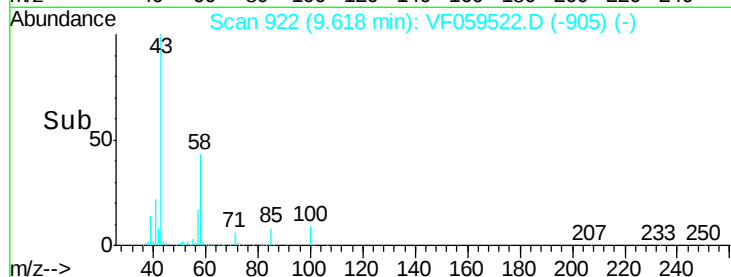
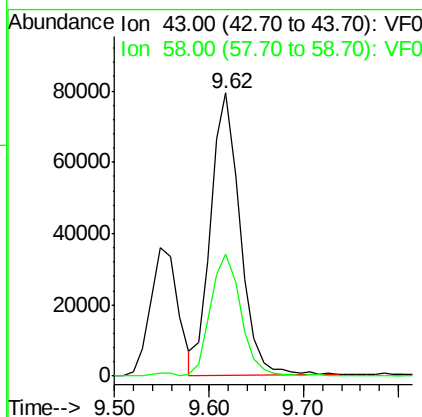
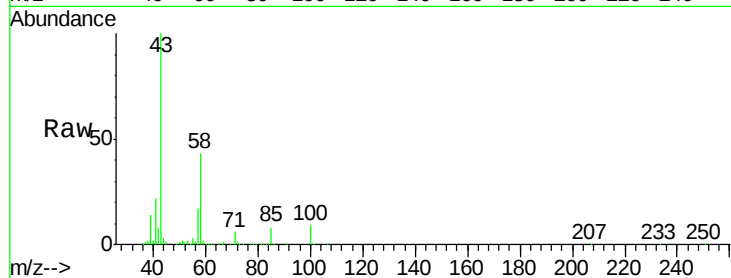
#59
2-Hexanone
Concen: 115.28 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion: 43 Resp: 170775
Ion Ratio Lower Upper
43 100
58 43.1 23.3 69.9

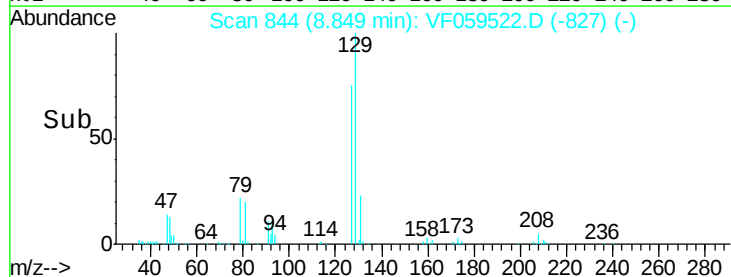
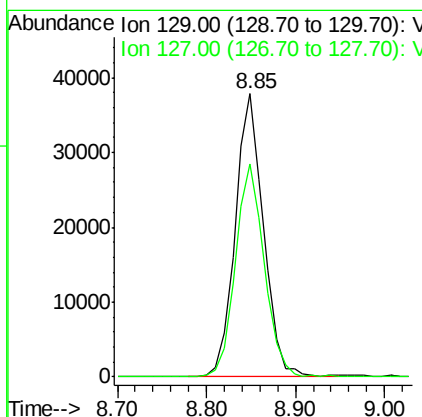
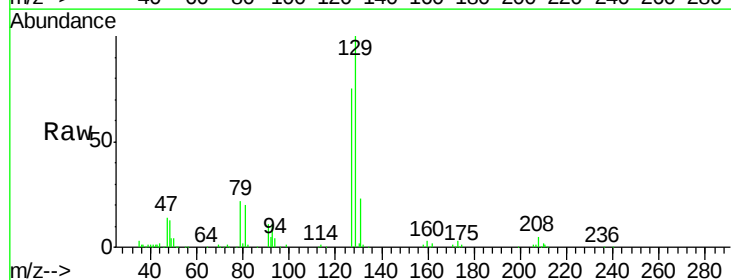
Manual Integrations
APPROVED

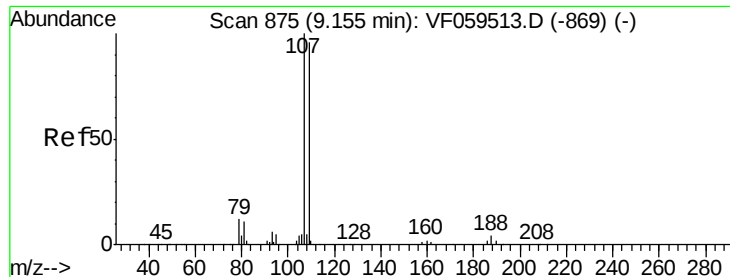
apatel
7/19/2018 10:18:25 AM



#60
Dibromochloromethane
Concen: 23.64 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion: 129 Resp: 83587
Ion Ratio Lower Upper
129 100
127 75.3 37.6 112.8





#61

1,2-Dibromoethane

Concen: 22.89 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.04 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

VF0718SBS01

Tot Ion:107 Resp: 59597

Ion Ratio Lower Upper

107 100

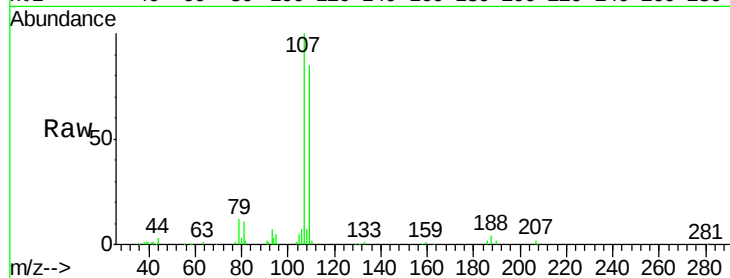
109 84.6 76.5 114.7

Manual Integrations

APPROVED

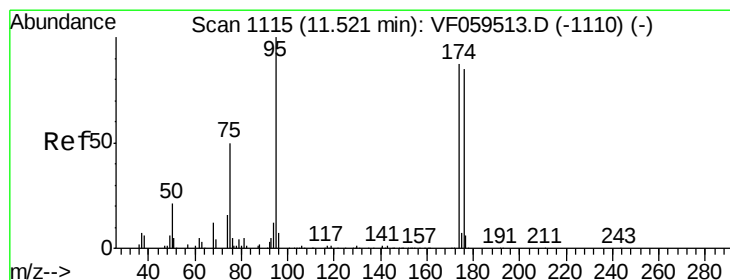
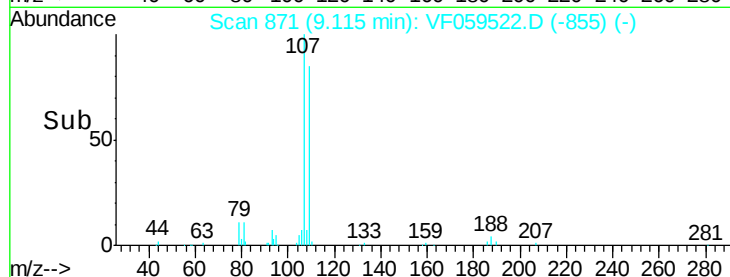
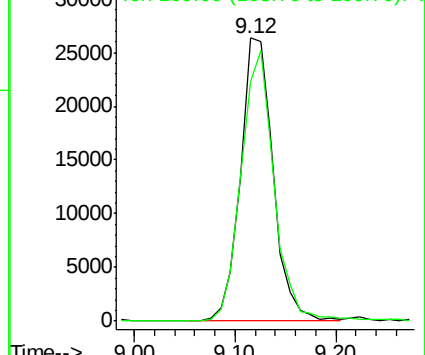
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.29 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

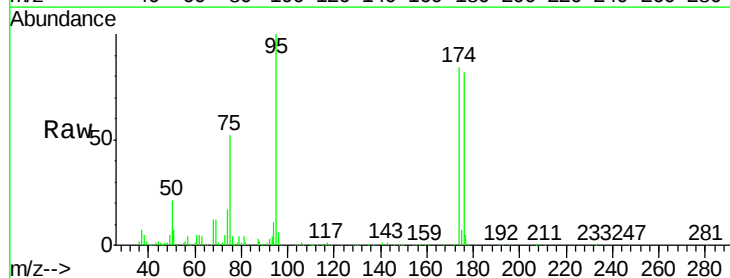
Tgt Ion: 95 Resp: 221272

Ion Ratio Lower Upper

95 100

174 84.4 0.0 174.4

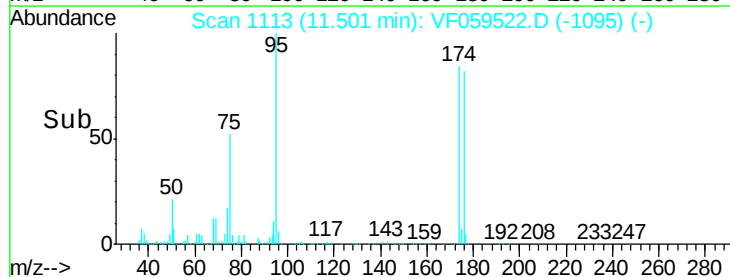
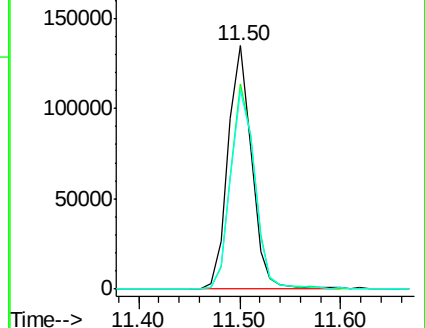
176 81.5 0.0 169.4

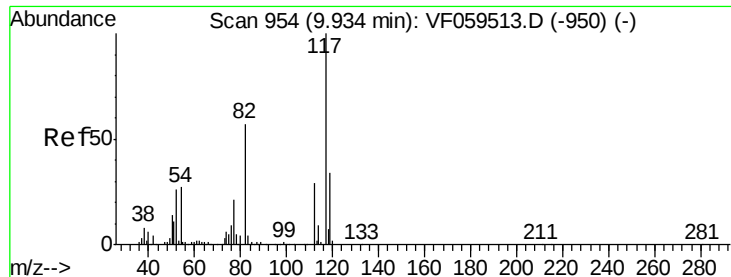


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





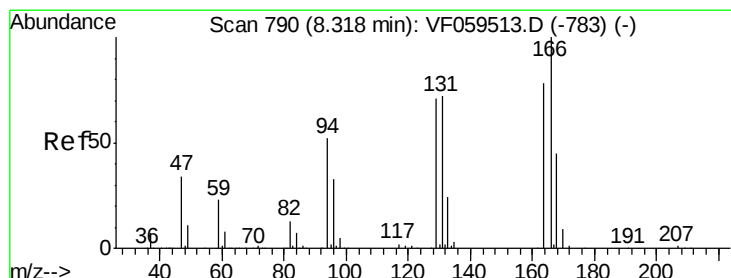
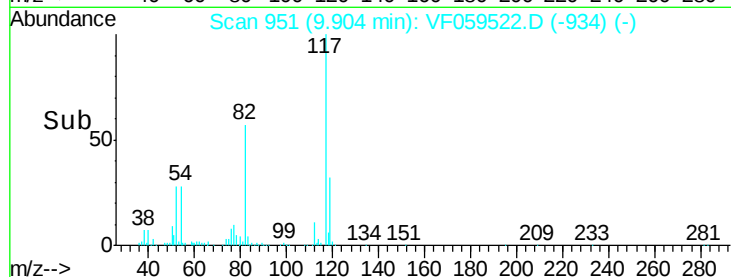
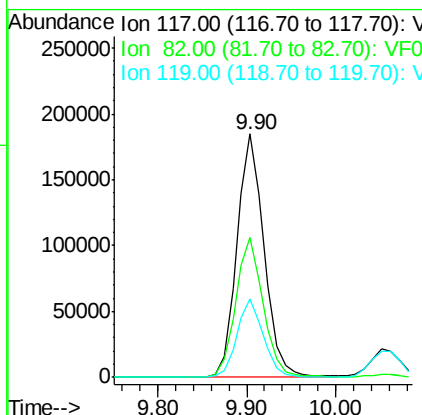
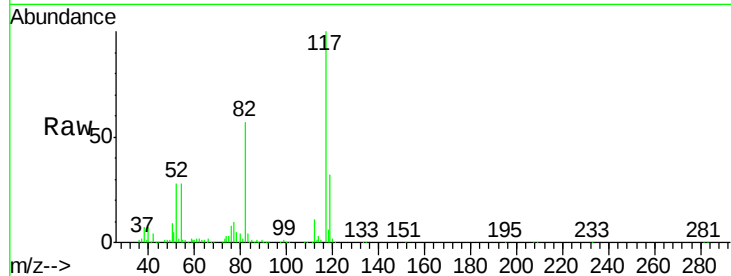
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	391920		
82	57.3	46.1	69.1	
119	32.3	27.2	40.8	

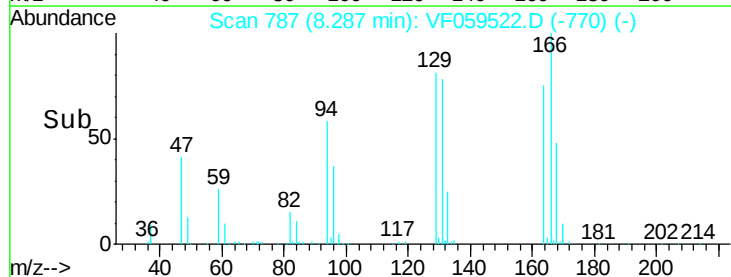
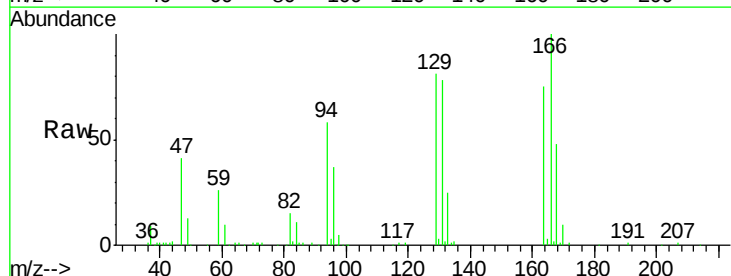
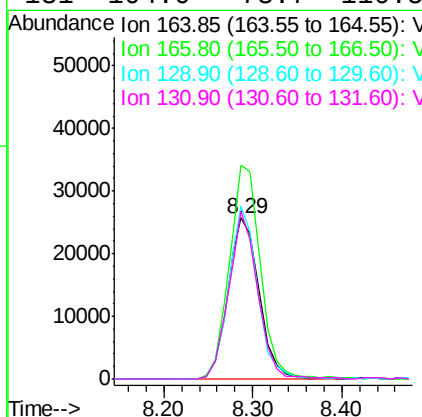
Manual Integrations
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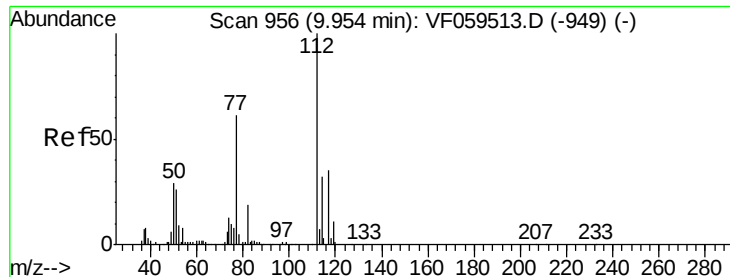
apatel
7/19/2018 10:18:25 AM



#64
Tetrachloroethene
Concen: 21.48 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62685		
166	132.6	102.3	153.5	
129	107.6	72.4	108.6	
131	104.0	73.7	110.5	





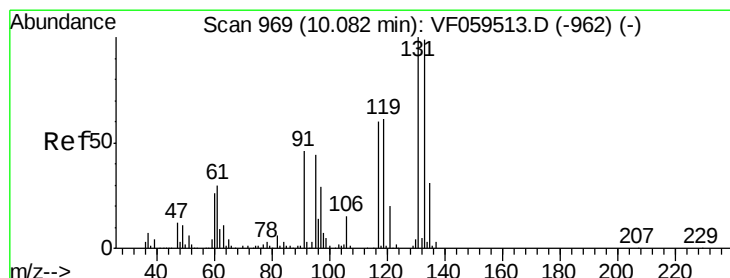
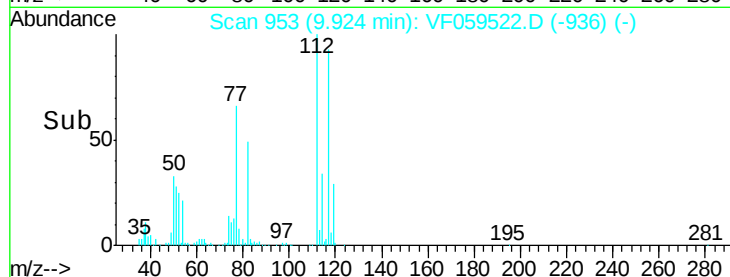
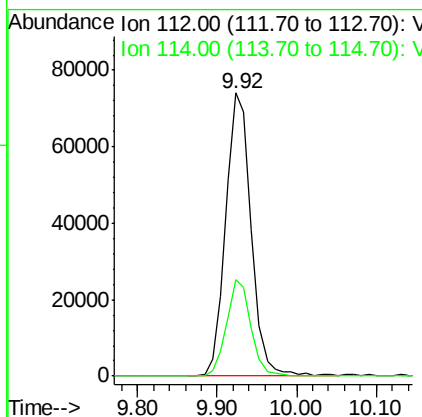
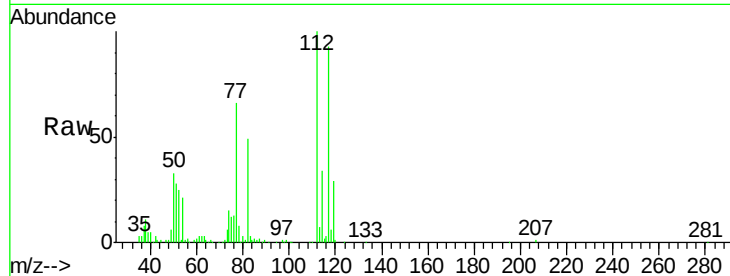
#65
Chlorobenzene
Concen: 22.68 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.1	25.4	38.2

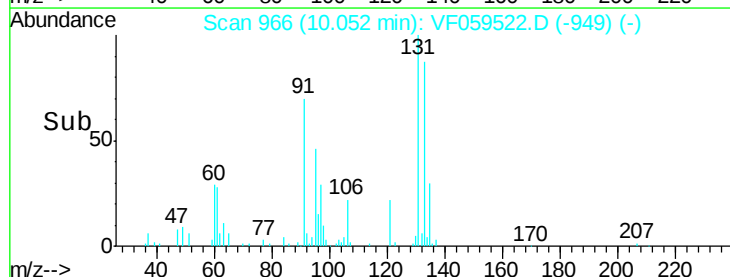
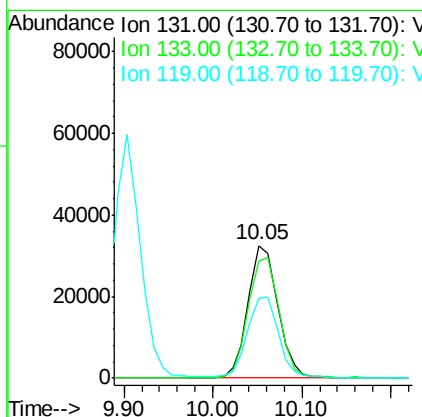
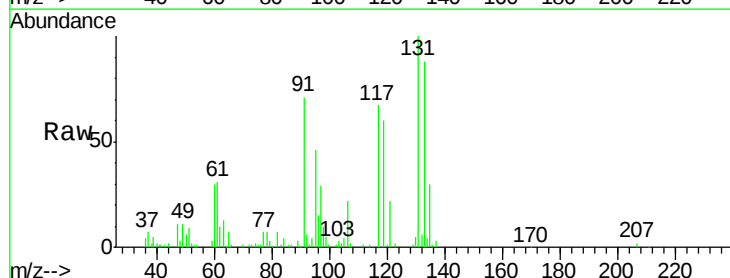
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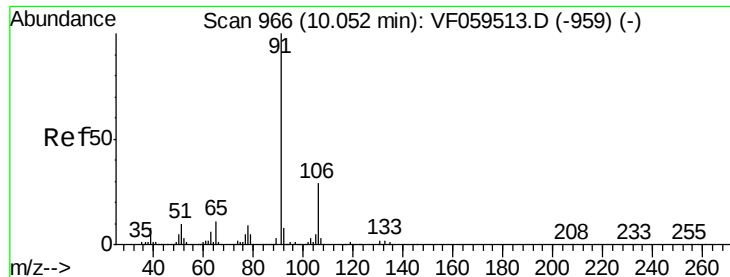
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.51 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	87.7	49.6	148.8
119	60.1	31.4	94.3





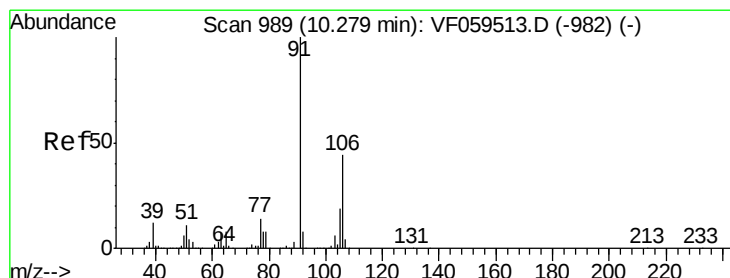
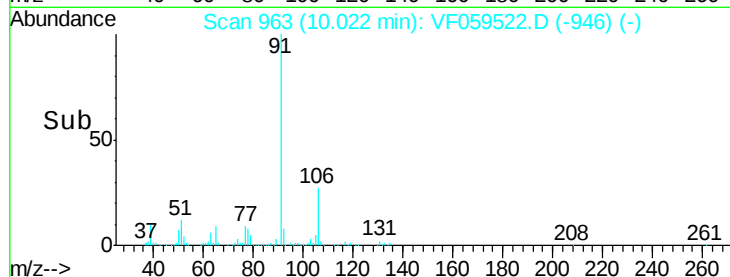
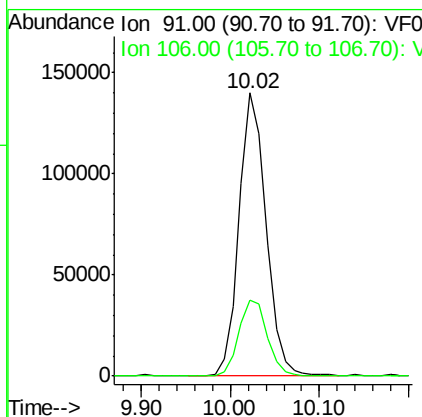
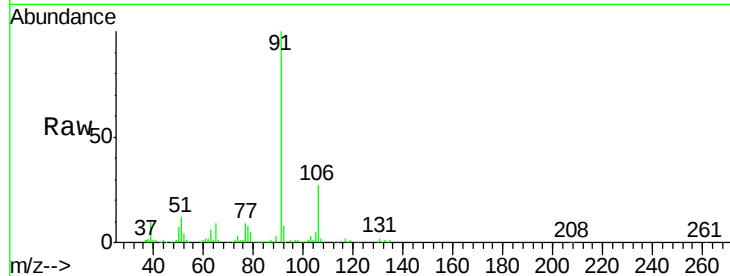
#67
Ethyl Benzene
Concen: 22.68 ug/l
RT: 10.02 min Scan# 963
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion: 91 Resp: 296692
Ion Ratio Lower Upper
91 100
106 26.9 23.4 35.2

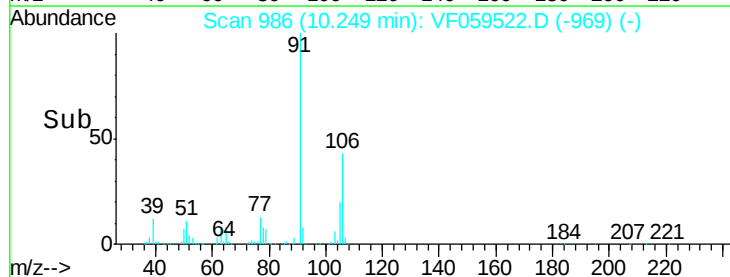
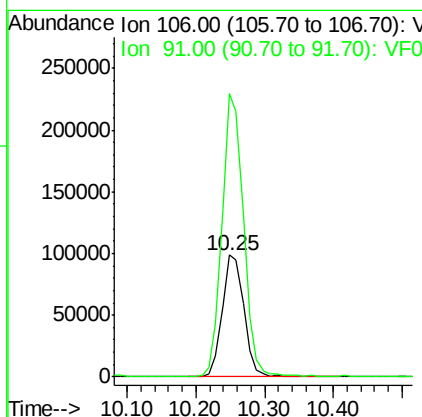
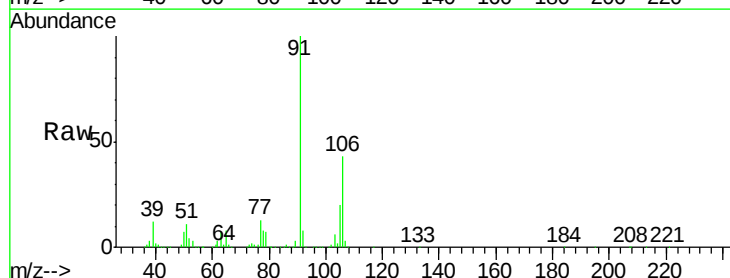
Manual Integrations
APPROVED

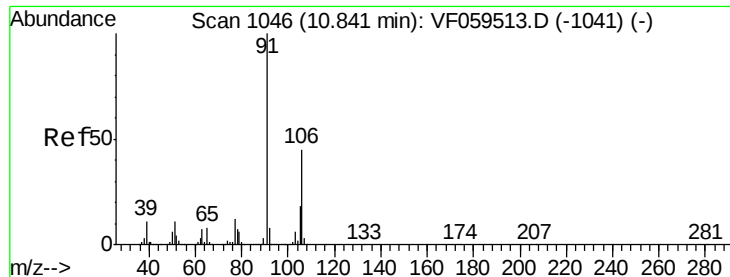
apatel
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#68
m/p-Xylenes
Concen: 47.04 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.03 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion: 106 Resp: 217200
Ion Ratio Lower Upper
106 100
91 232.2 181.0 271.4





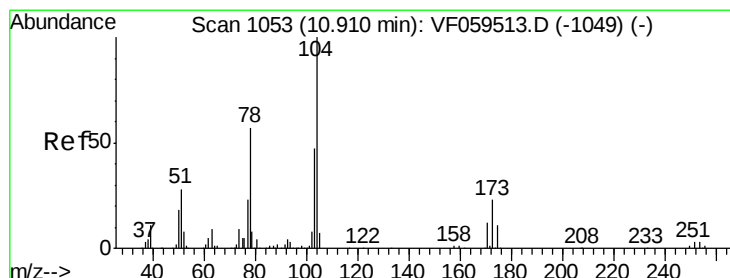
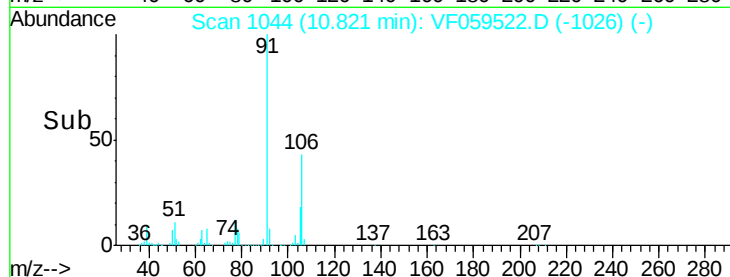
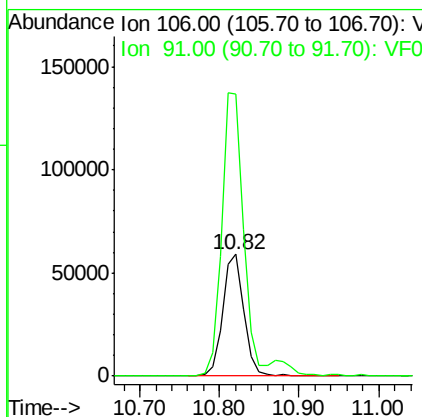
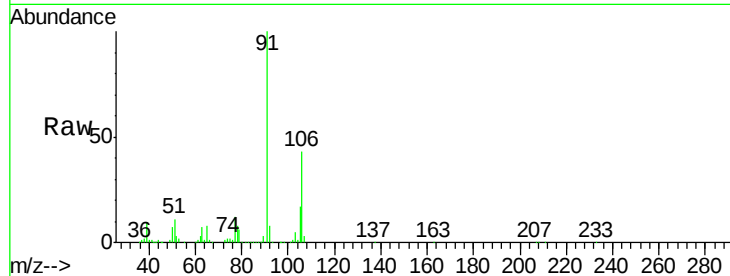
#69
o-Xylene
Concen: 22.73 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	111789		
91	91	231.3	112.3	336.9	

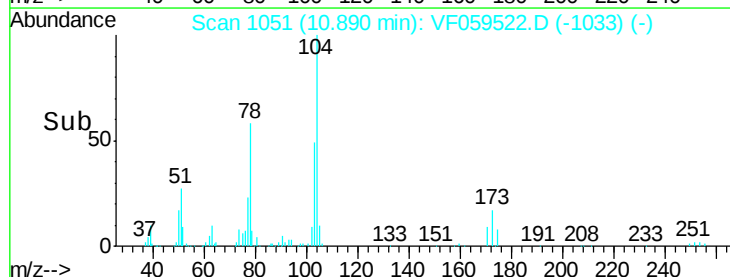
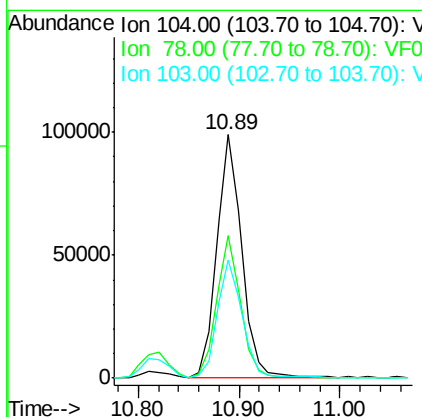
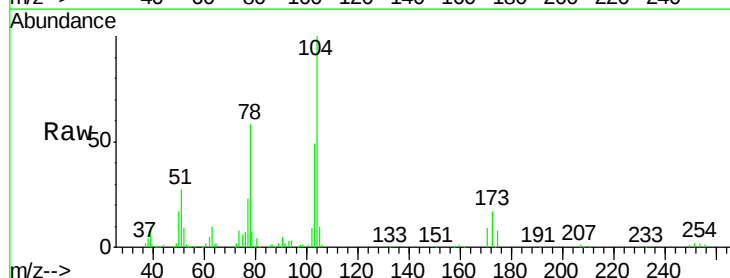
Manual Integrations
APPROVED

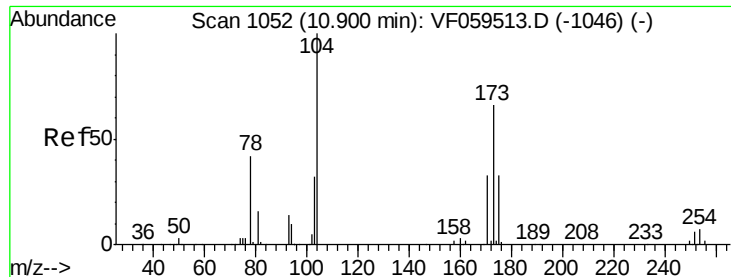
apatel
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#70
Styrene
Concen: 22.55 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	170408		
78	78	58.4	45.7	68.5	
103	103	48.8	38.1	57.1	





#71

Bromoform

Concen: 22.33 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

VF0718SBS01

Tot Ion:173 Resp: 51930

Ion Ratio Lower Upper

173 100

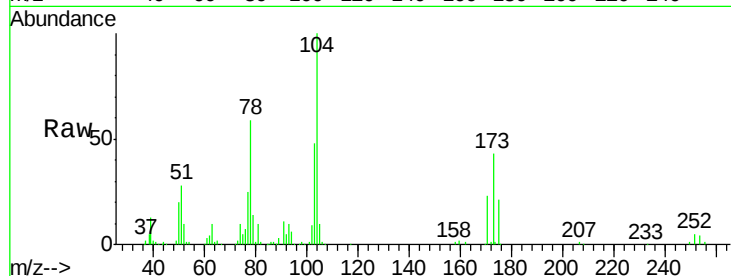
175 49.0 25.3 75.8

254 0.0 0.0 0.0

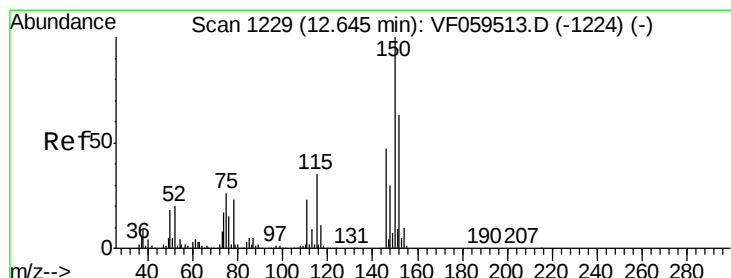
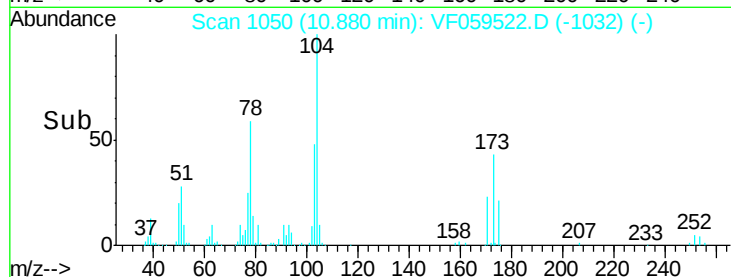
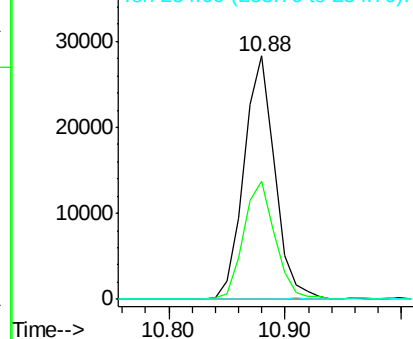
Manual Integrations
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

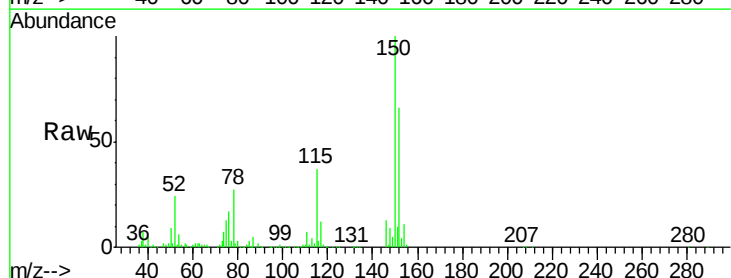
Tgt Ion:152 Resp: 240382

Ion Ratio Lower Upper

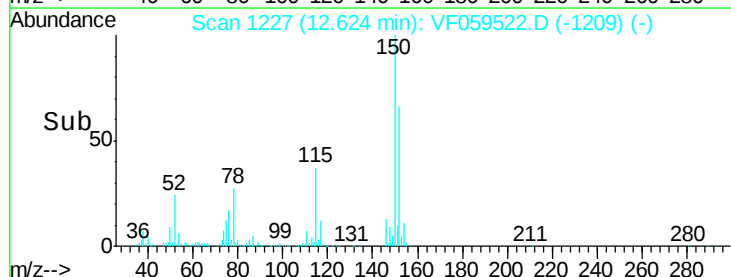
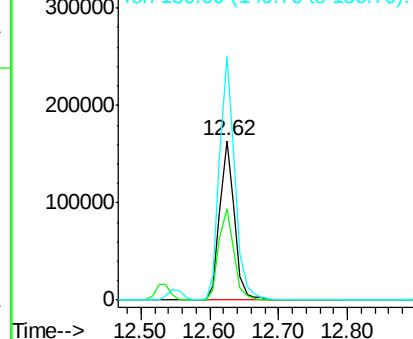
152 100

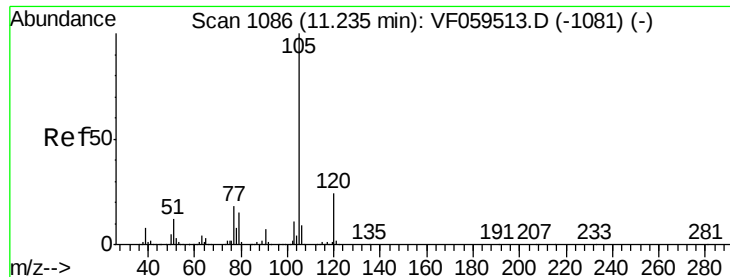
115 57.1 27.8 83.3

150 152.6 0.0 318.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.12 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

VF0718SBS01

Tot Ion: 105 Resp: 335522

Ion Ratio Lower Upper

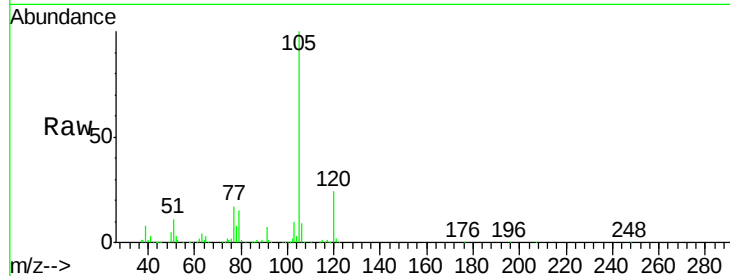
105 100

120 24.2 12.0 36.0

Manual Integrations
APPROVED

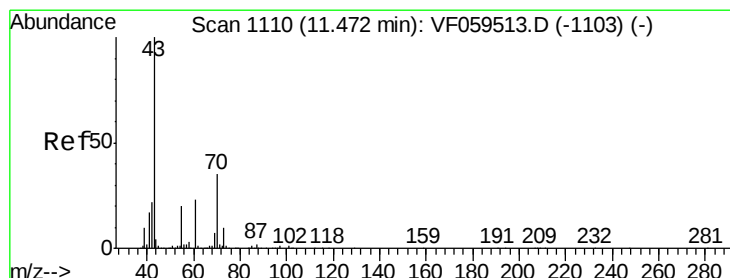
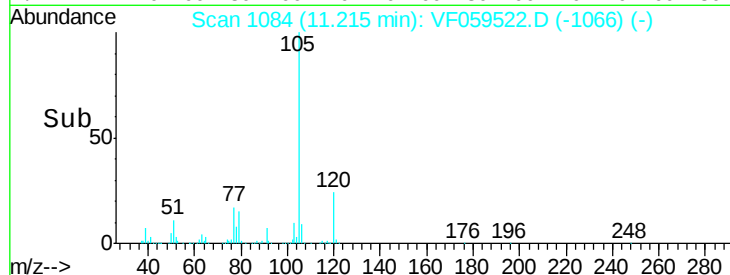
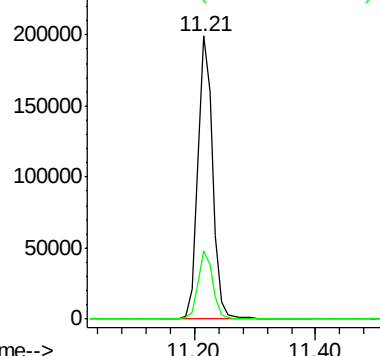
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.10 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion: 43 Resp: 97651

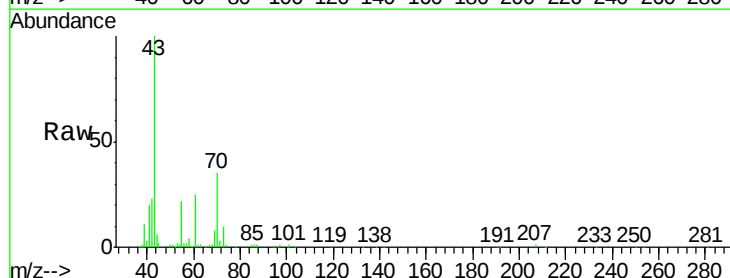
Ion Ratio Lower Upper

43 100

70 35.2 27.9 41.9

55 21.6 16.2 24.2

61 24.6 18.6 27.8

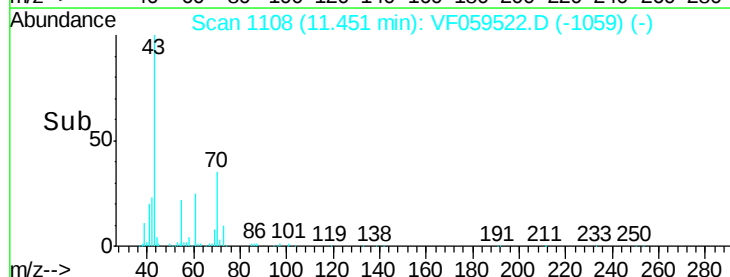
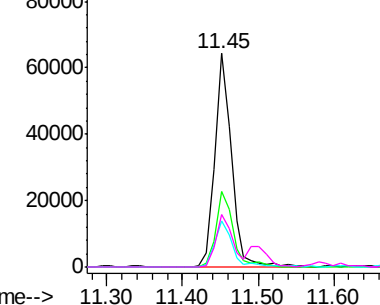


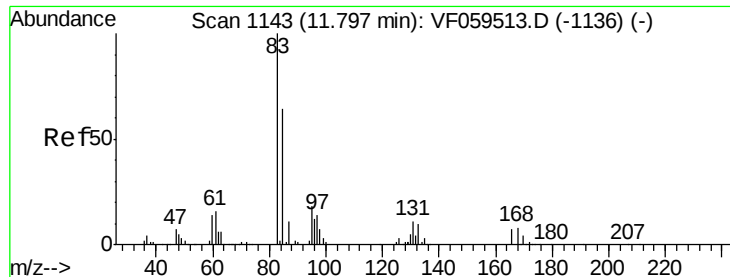
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.16 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

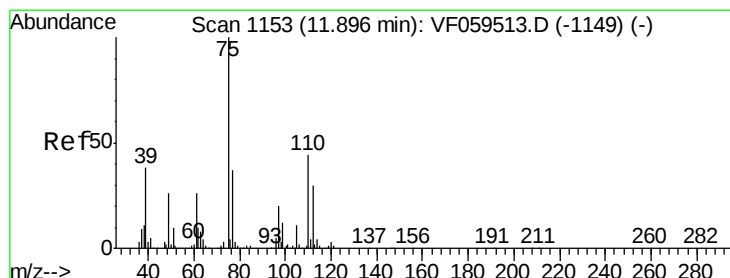
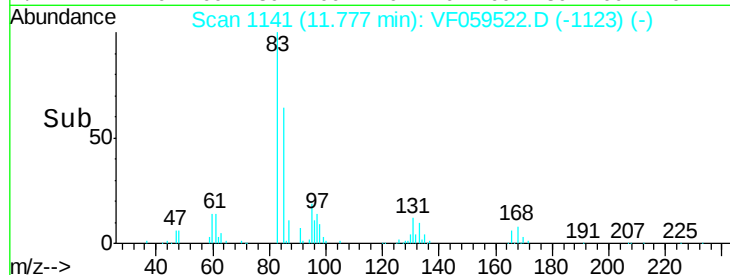
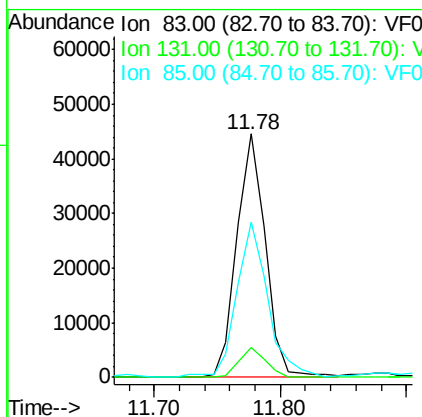
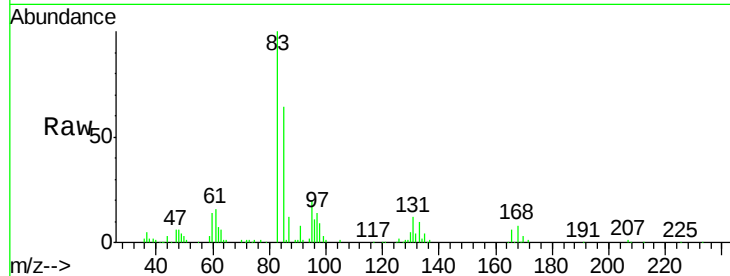
ClientSampleId :

VF0718SBS01

Tot Ion:	83	Resp:	70016
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.7	17.1
85	63.9	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 21.92 ug/l

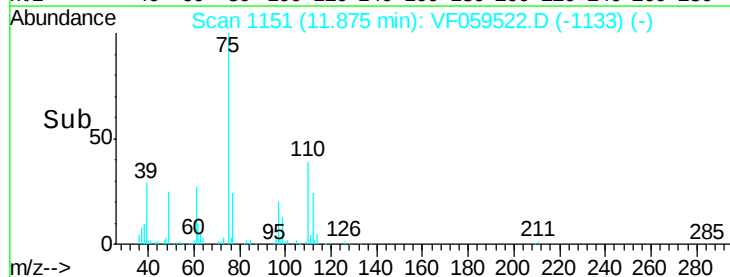
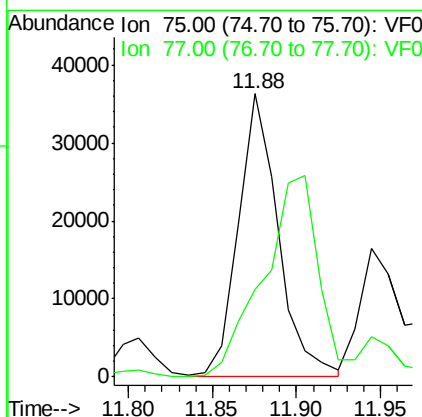
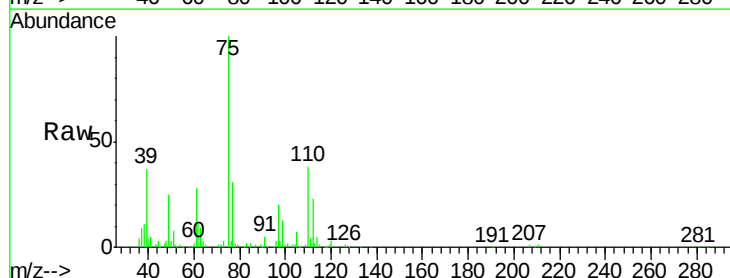
RT: 11.88 min Scan# 1151

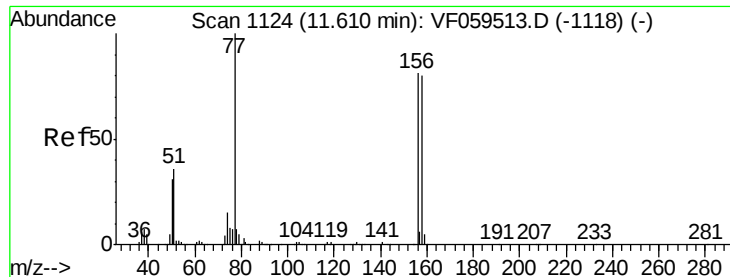
Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion:	75	Resp:	59223
Ion Ratio	Lower	Upper	
75	100		
77	30.8	18.7	56.1





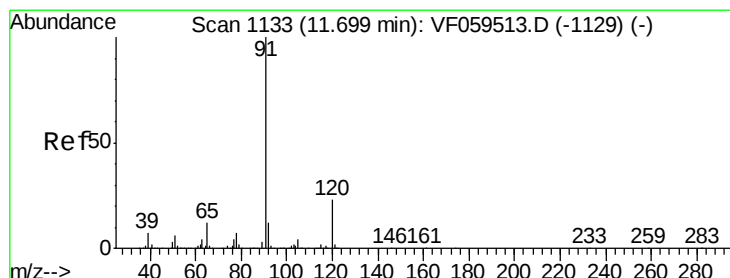
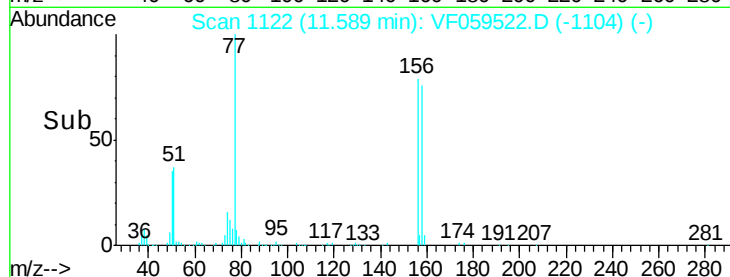
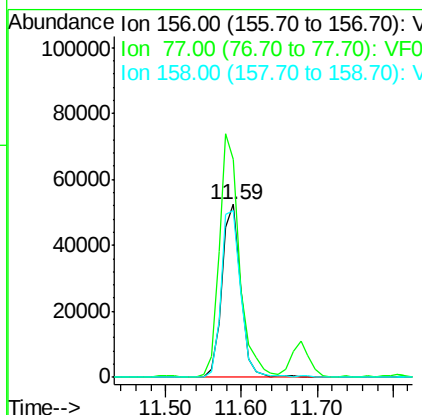
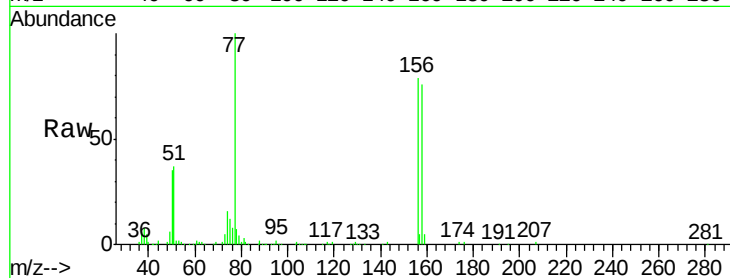
#77
Bromobenzene
Concen: 21.53 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	125.9	62.0	186.0	
158	96.1	49.8	149.3	

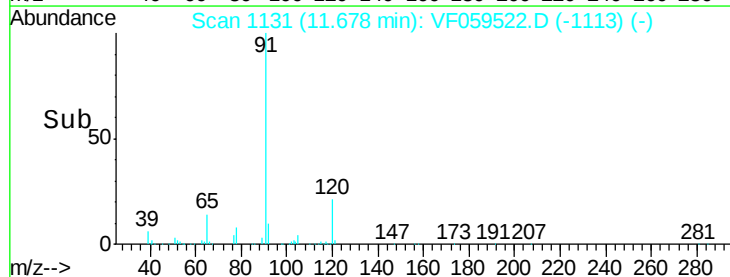
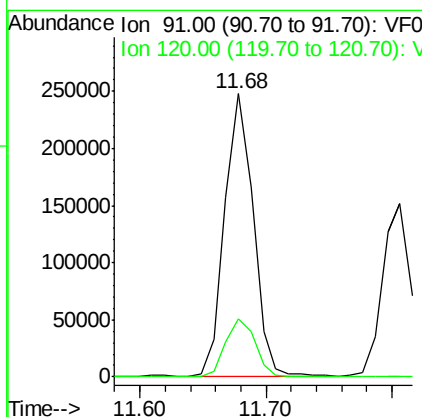
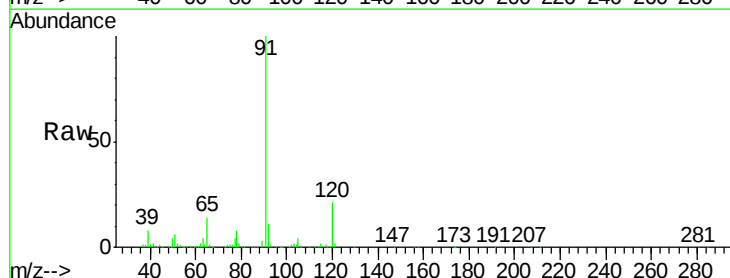
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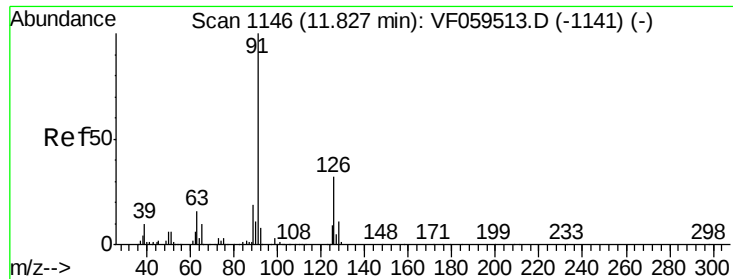
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#78
n-propylbenzene
Concen: 22.39 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.02 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.6	11.3	33.9	





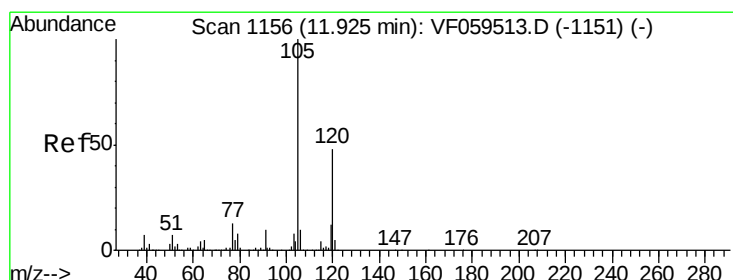
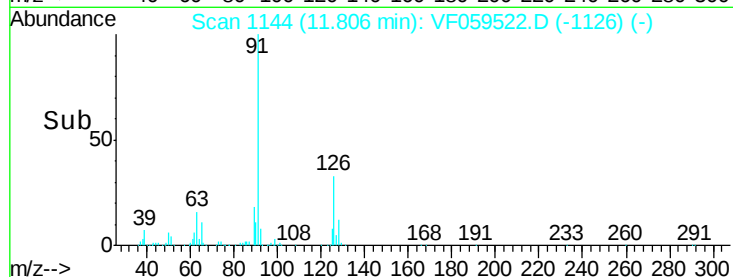
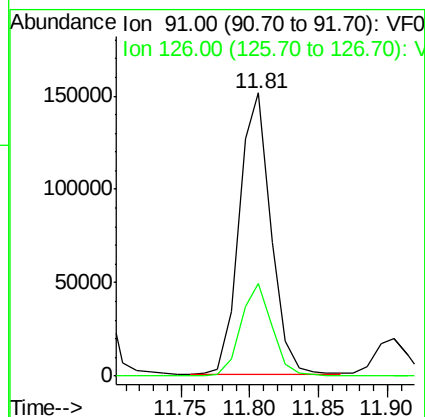
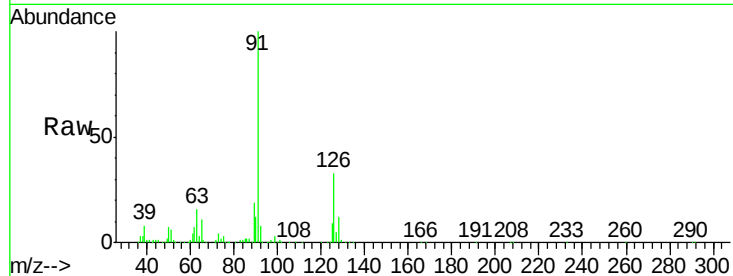
#79
 2-Chlorotoluene
 Concen: 22.50 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VF059522.D
 Acq: 18 Jul 2018 19:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0718SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.8	15.7	47.1

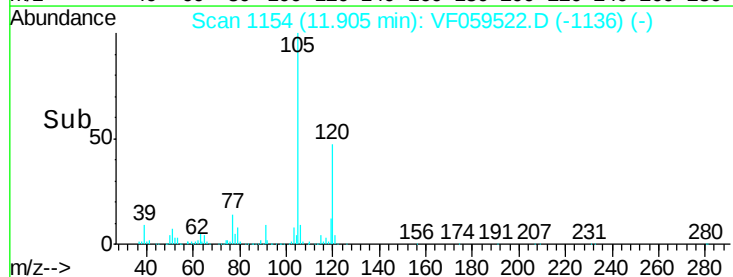
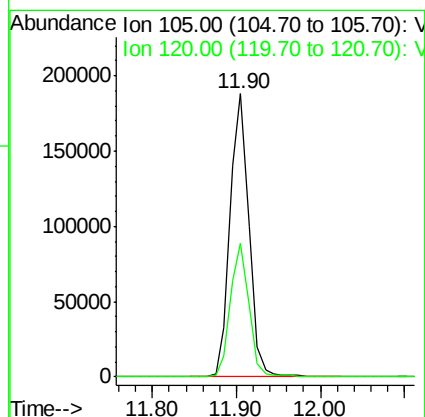
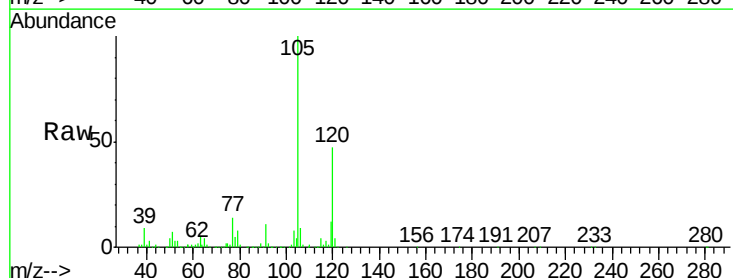
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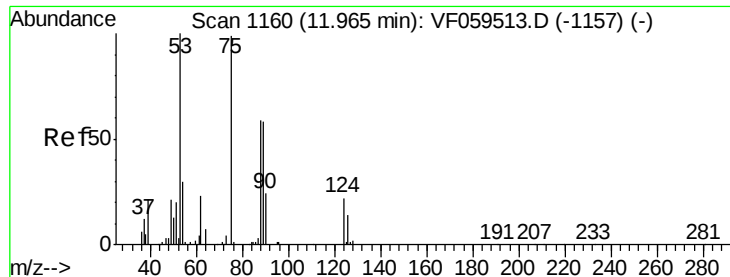
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.05 ug/l
 RT: 11.90 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VF059522.D
 Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	24.1	72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.36 ug/l m

RT: 11.94 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

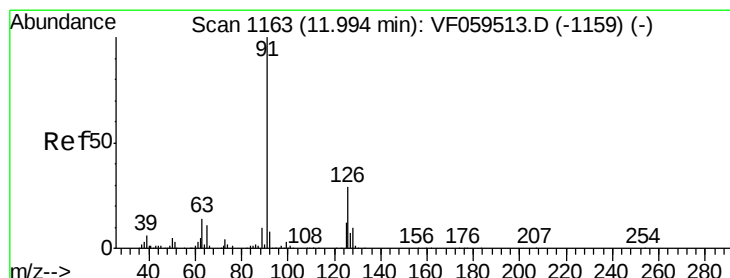
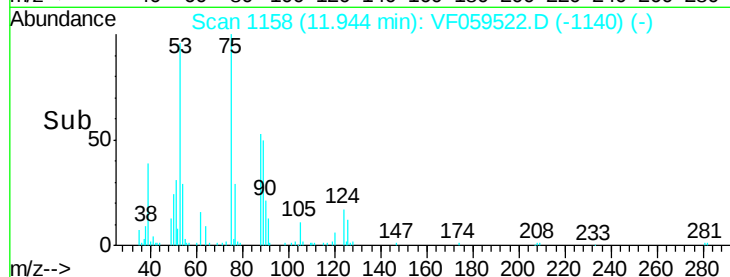
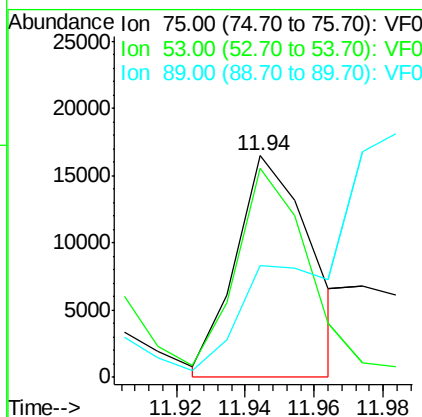
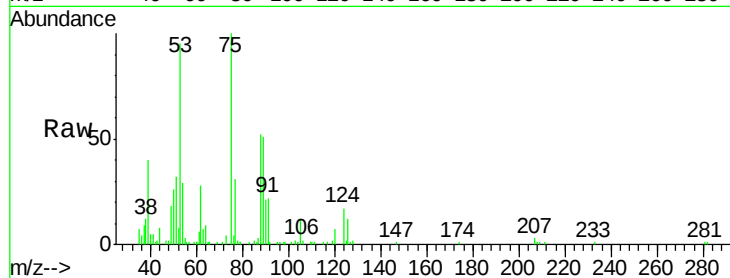
ClientSampleId :

VF0718SBS01

Tot Ion:	75	Resp:	25128
Ion Ratio	Lower	Upper	
75	100		
53	94.6	84.6	127.0
89	50.5	48.2	72.4

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#82

4-Chlorotoluene

Concen: 22.09 ug/l

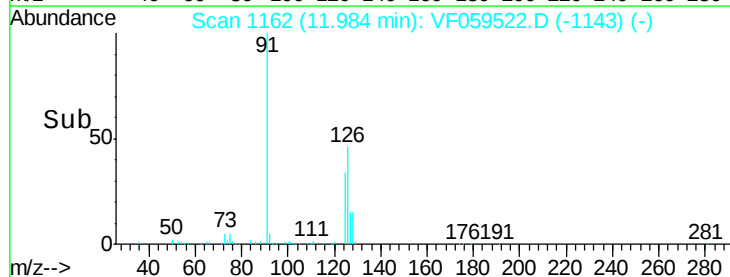
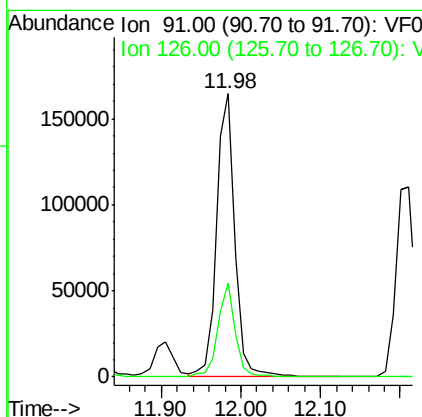
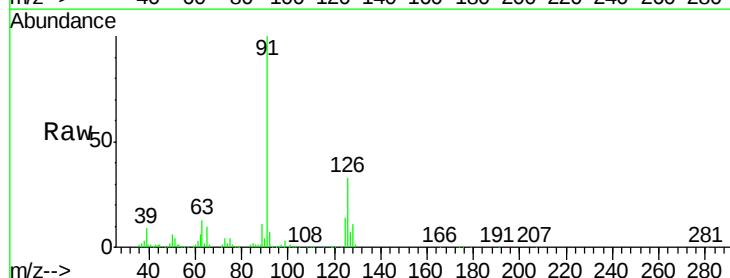
RT: 11.98 min Scan# 1162

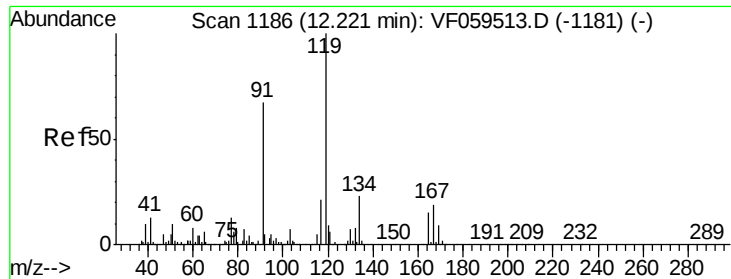
Delta R.T. -0.01 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion:	91	Resp:	265242
Ion Ratio	Lower	Upper	
91	100		
126	33.3	14.4	43.4





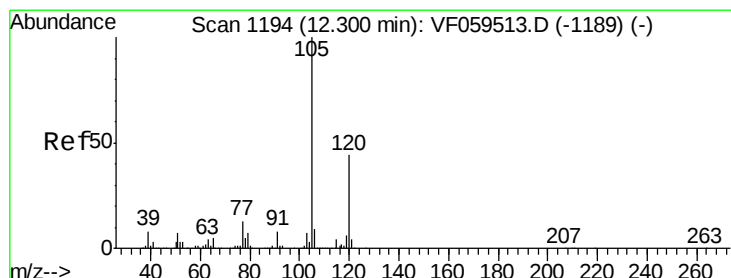
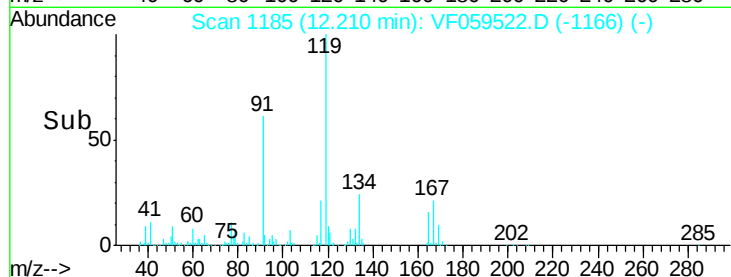
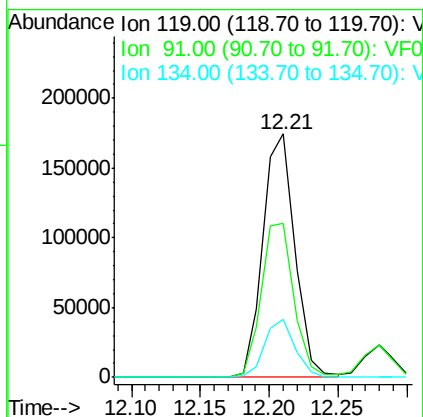
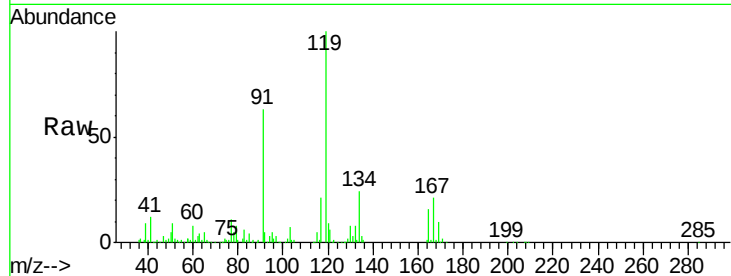
#83
tert-Butylbenzene
Concen: 23.25 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	283597		
91	63.3		33.5	100.5
134	23.8		11.3	33.8

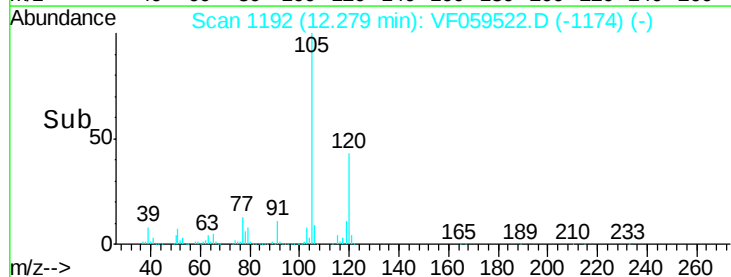
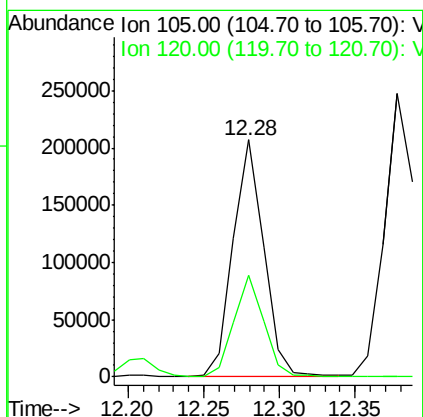
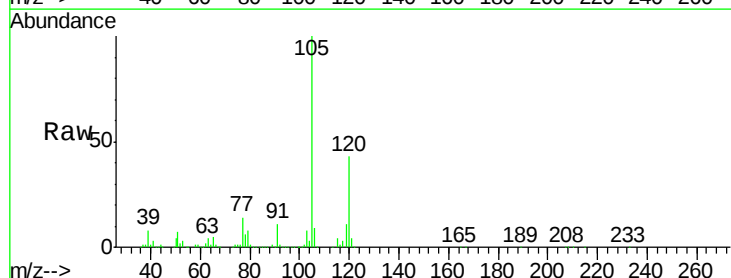
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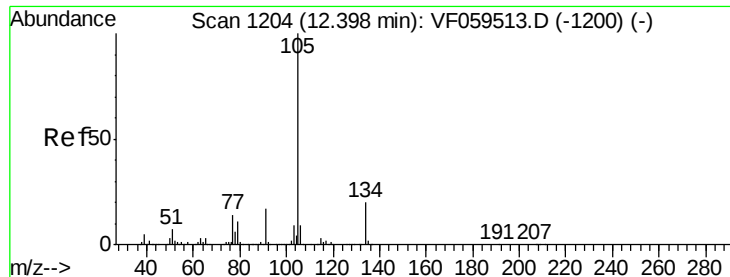
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#84
1,2,4-Trimethylbenzene
Concen: 22.36 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	292373		
120	43.0		22.5	67.5





#85

sec-Butylbenzene

Concen: 23.27 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

VF0718SBS01

Tot Ion:105 Resp: 360935

Ion Ratio Lower Upper

105 100

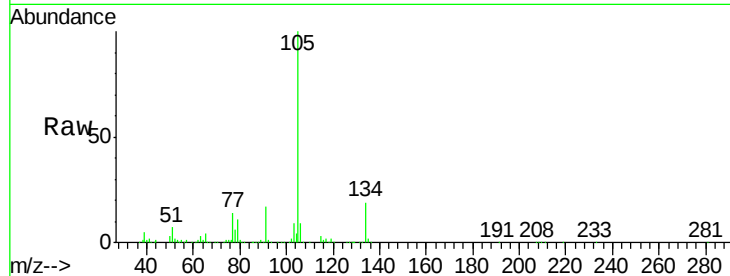
134 18.8 10.1 30.1

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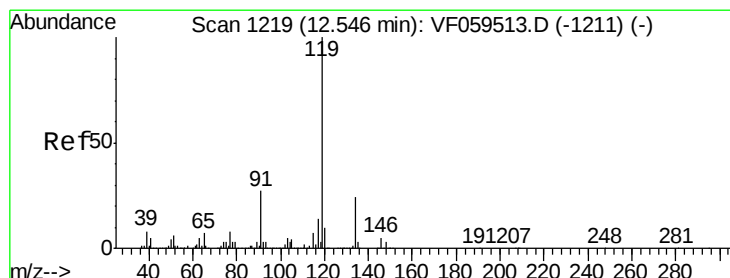
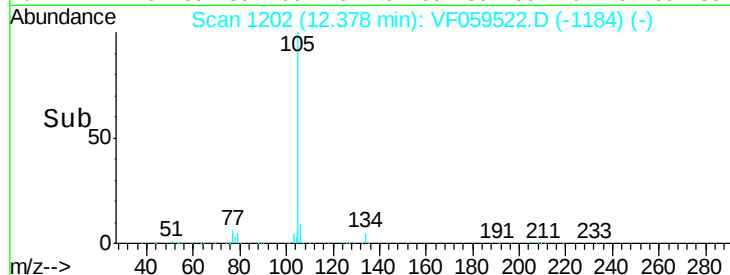
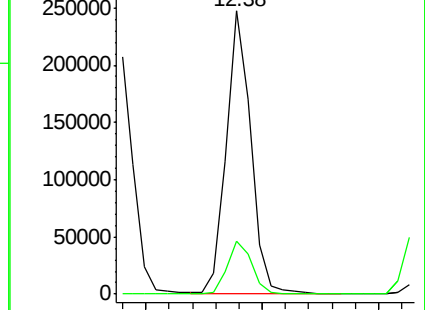
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.90 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

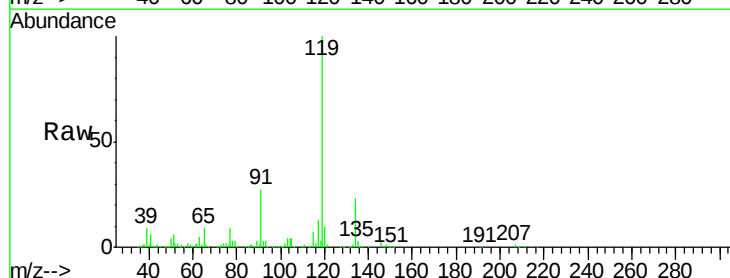
Tgt Ion:119 Resp: 336054

Ion Ratio Lower Upper

119 100

134 23.1 12.0 36.0

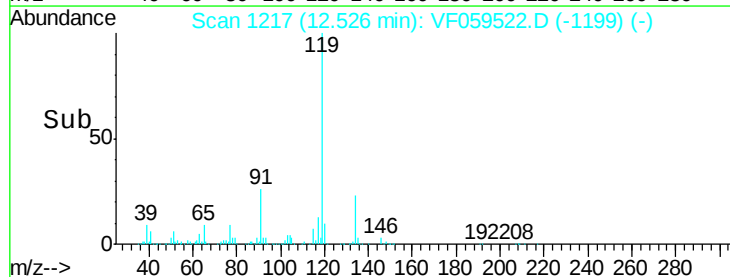
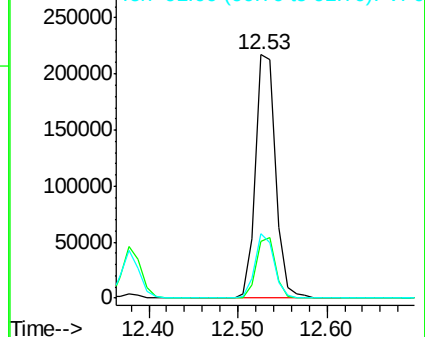
91 26.5 13.5 40.4

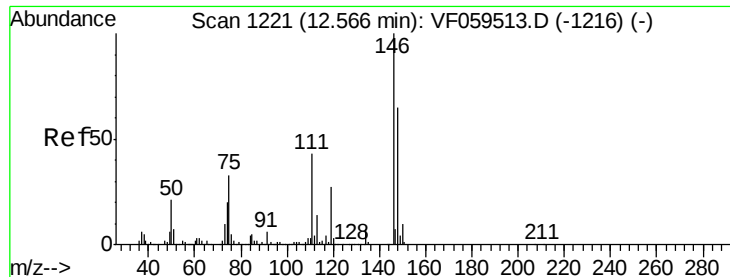


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





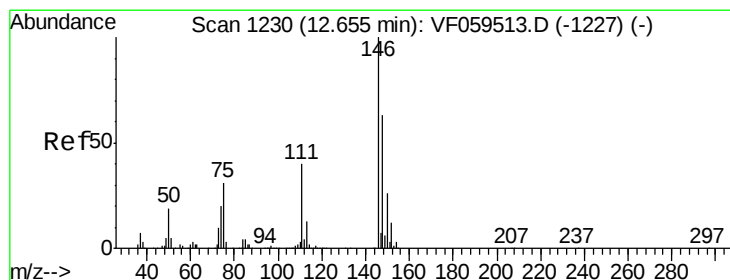
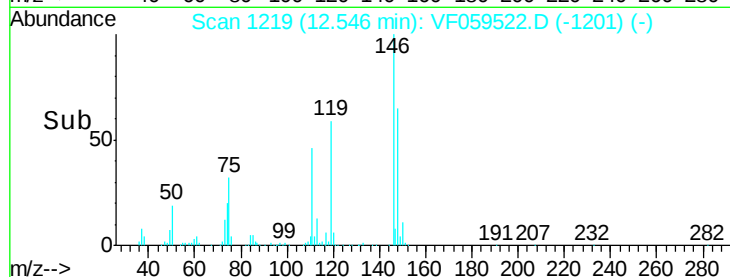
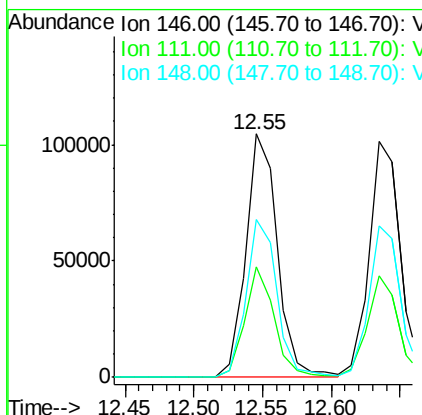
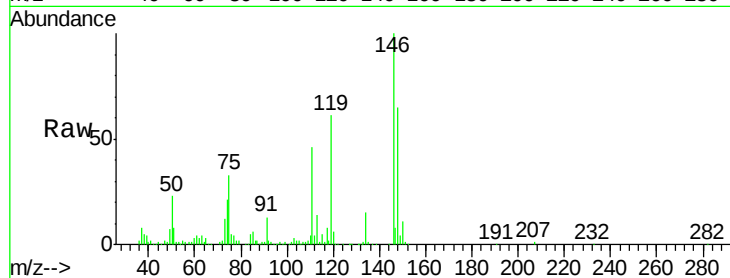
#87
 1,3-Dichlorobenzene
 Concen: 23.07 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: VF059522.D
 Acq: 18 Jul 2018 19:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0718SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.4	64.3
148	65.1	32.7	98.1

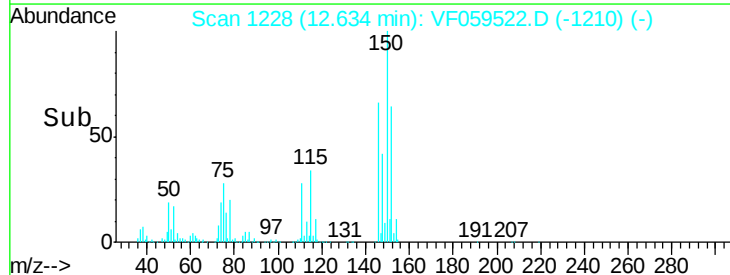
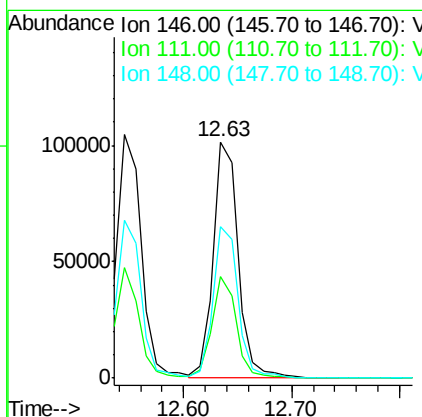
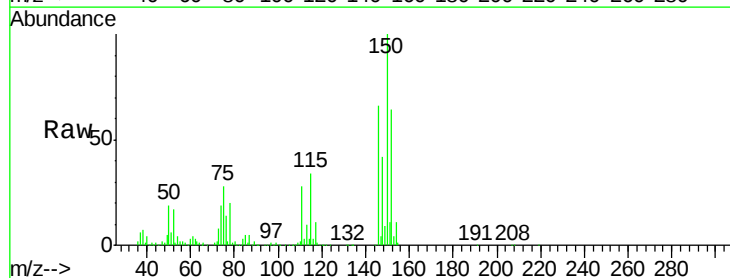
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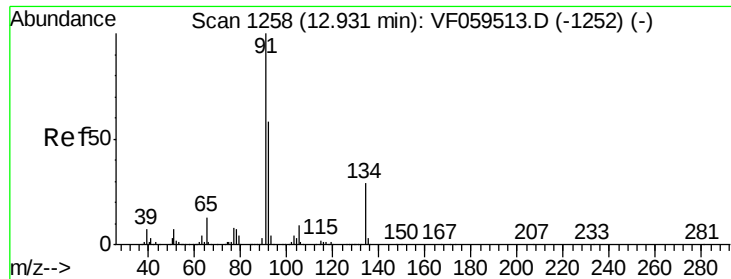
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#88
 1,4-Dichlorobenzene
 Concen: 22.53 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VF059522.D
 Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.0	59.9
148	63.9	31.5	94.5





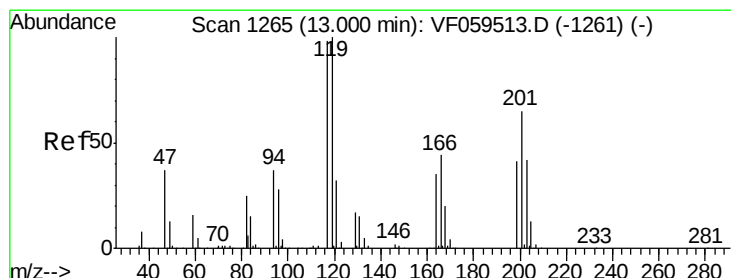
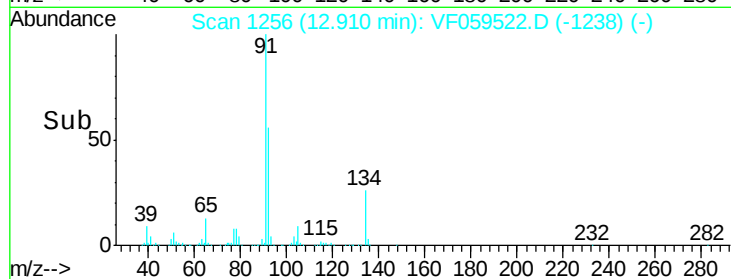
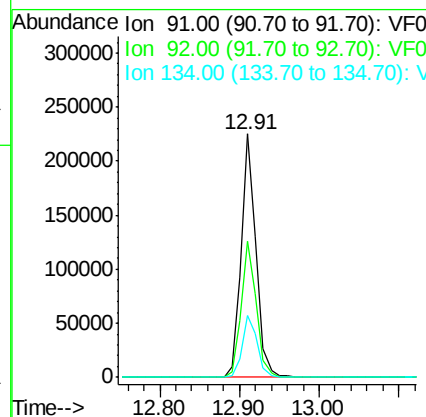
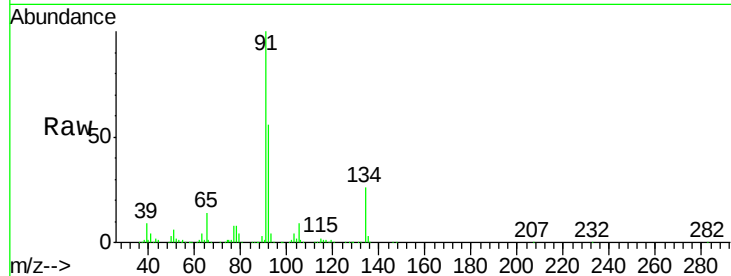
#89
n-Butylbenzene
Concen: 23.22 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.9	29.1	87.3
134	25.5	14.3	42.9

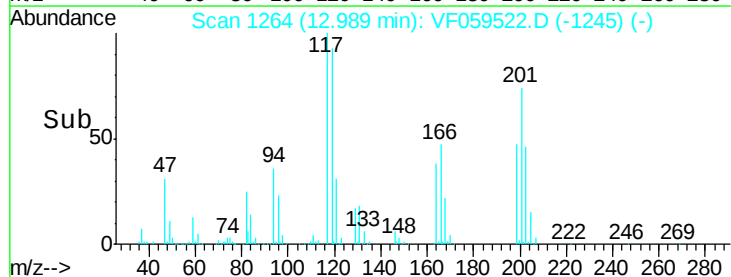
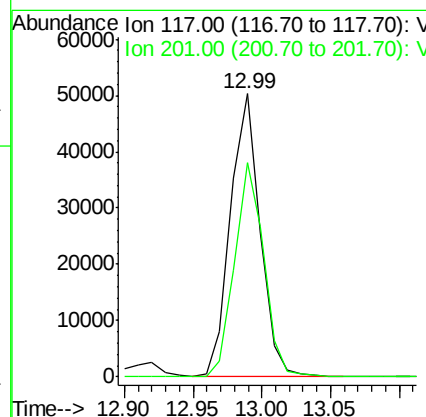
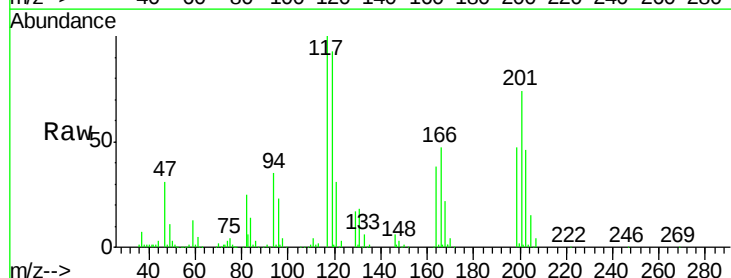
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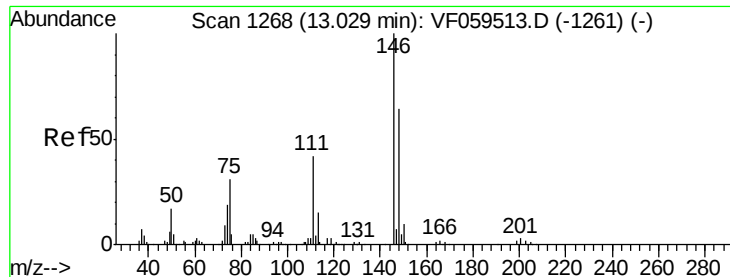
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#90
Hexachloroethane
Concen: 24.59 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.6	32.6	98.0





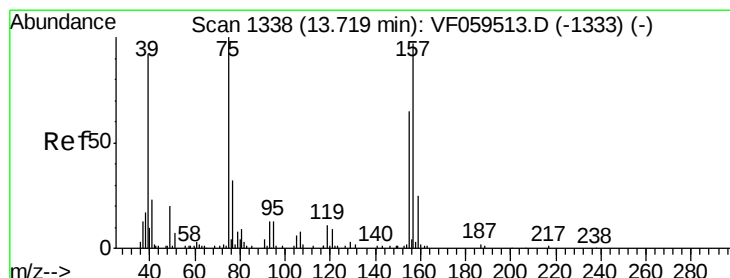
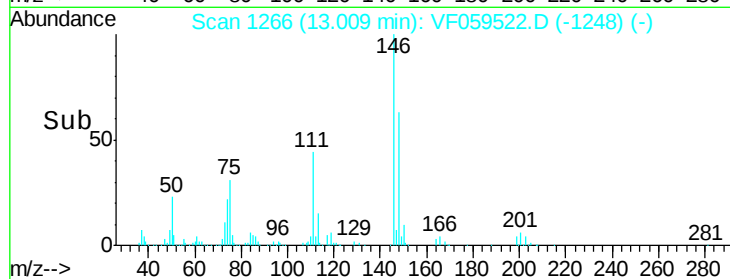
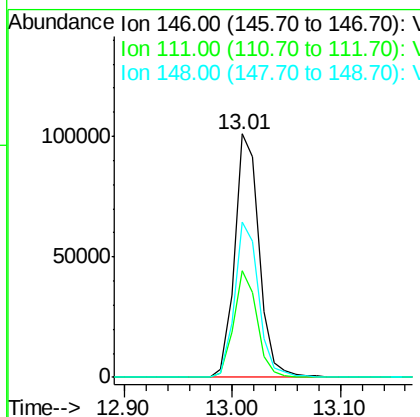
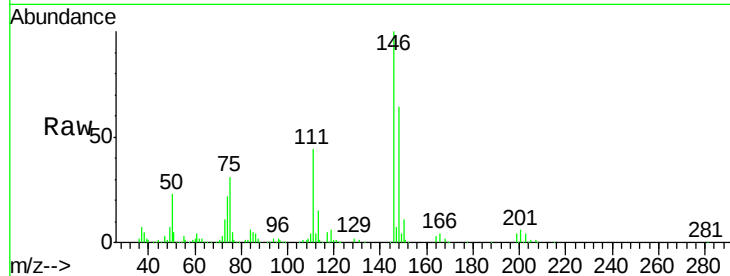
#91
 1,2-Dichlorobenzene
 Concen: 22.78 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: VF059522.D
 Acq: 18 Jul 2018 19:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0718SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.1	63.1
148	63.6	32.3	96.8

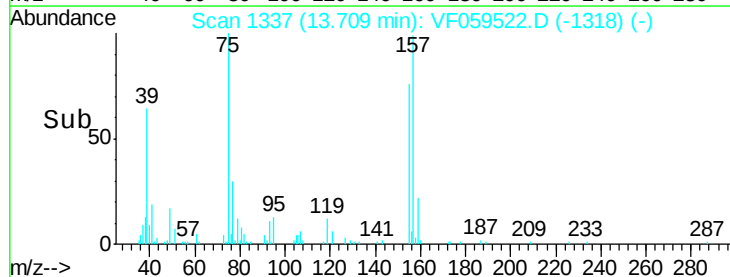
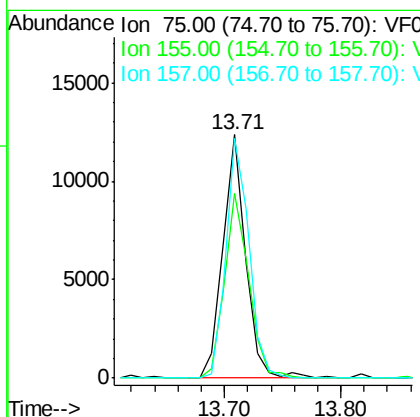
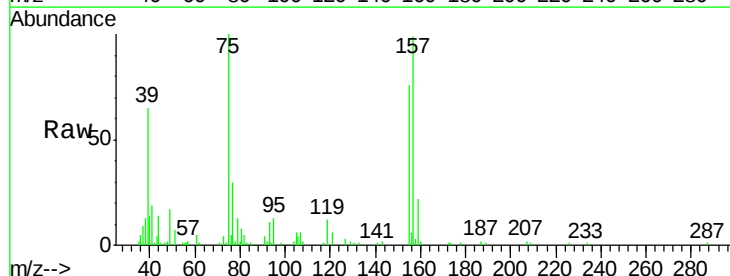
Manual Integrations
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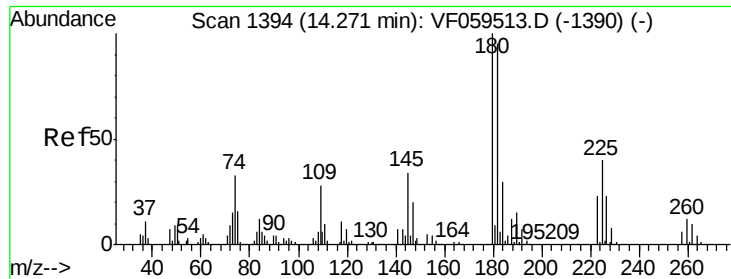
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.41 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059522.D
 Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.0	32.8	98.3
157	98.7	48.5	145.5





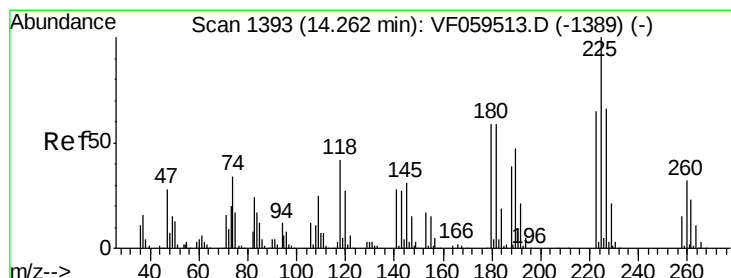
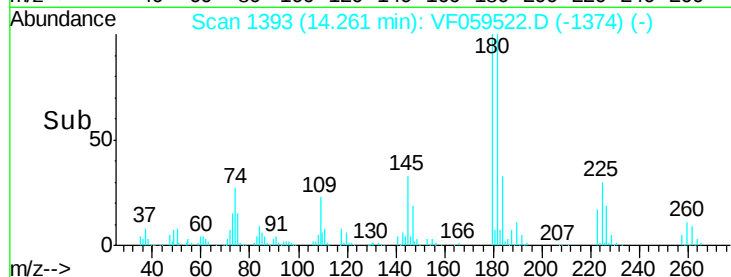
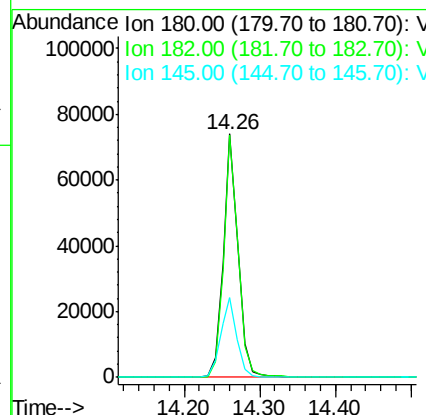
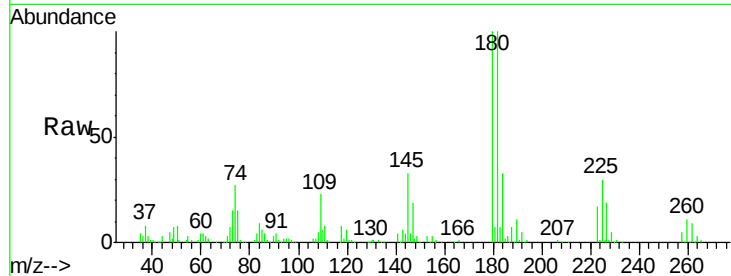
#93
1,2,4-Trichlorobenzene
Concen: 24.24 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.01 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.7	47.5	142.5	
145	32.7	17.3	51.7	

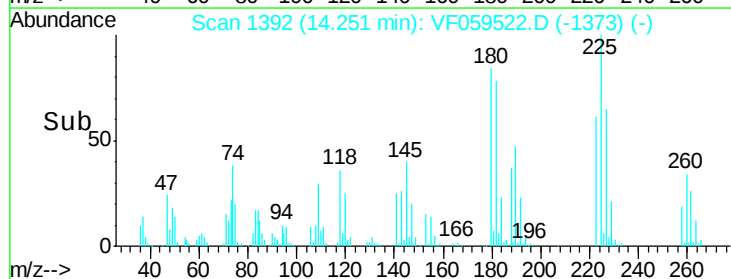
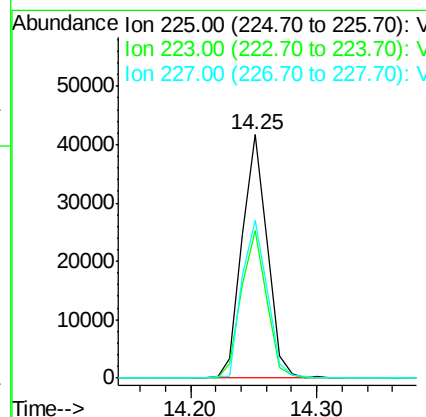
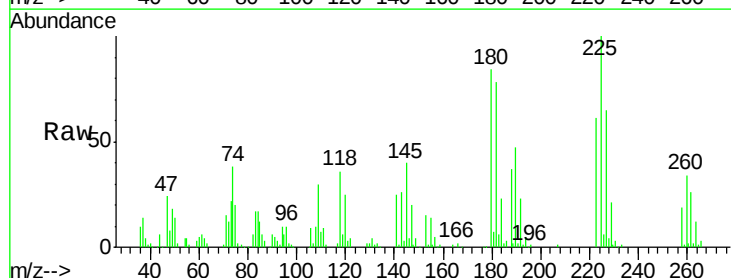
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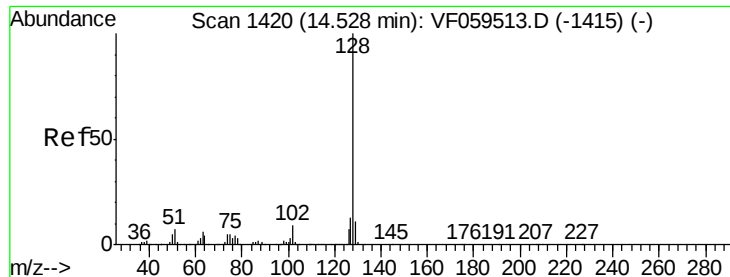
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#94
Hexachlorobutadiene
Concen: 26.33 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.7	32.3	96.8	
227	64.6	33.2	99.6	





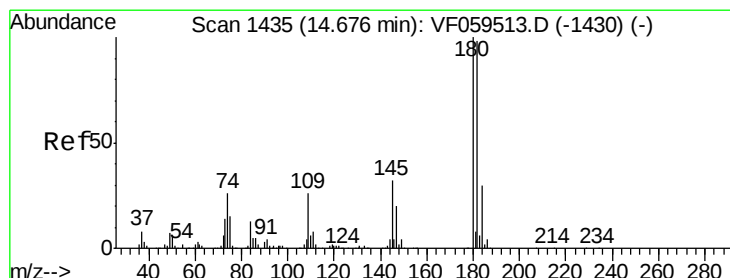
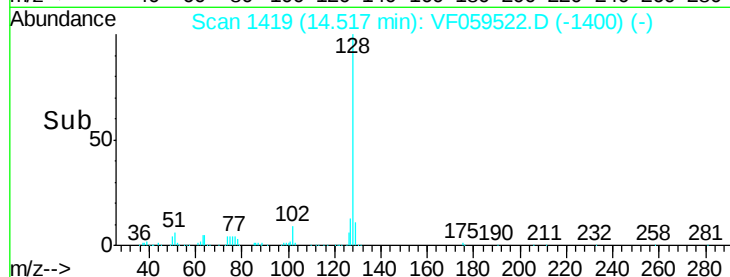
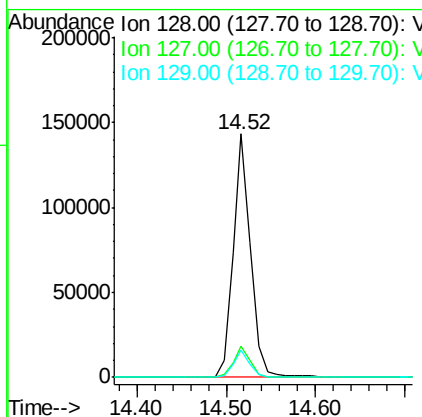
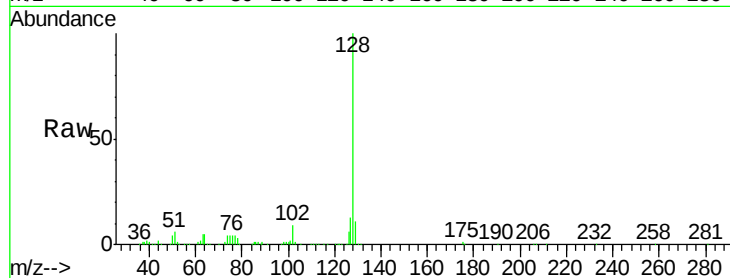
#95
Naphthalene
Concen: 22.56 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
VF0718SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	198693		
127	13.0		10.2	15.2
129	11.4		9.0	13.4

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#96
1,2,3-Trichlorobenzene
Concen: 23.65 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059522.D
Acq: 18 Jul 2018 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90566		
182	95.9		48.8	146.4
145	30.1		16.2	48.6

