

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059987.D
 Acq On : 17 Aug 2018 22:40
 Operator : VA/AP
 Sample : VF0817SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Manual Integrations
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 8/20/2018 11:49:08 AM

Quant Time: Aug 18 01:32:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	132344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	182804	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	193861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	132431	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	124616	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	4.30	113	95130	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	7.72	98	212529	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	11.52	95	126545	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	45103	20.09	ug/l	94
3) Chloromethane	1.08	50	23855	21.66	ug/l	97
4) Vinyl Chloride	1.12	62	30428	22.70	ug/l	99
5) Bromomethane	1.31	94	28194	23.15	ug/l	99
6) Chloroethane	1.39	64	14289	20.53	ug/l	95
7) Trichlorofluoromethane	1.47	101	68979	17.93	ug/l	97
8) Diethyl Ether	1.71	74	12907	22.74	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.86	101	39131	21.69	ug/l	98
10) Methyl Iodide	1.93	142	49691	21.83	ug/l	93
11) Tert butyl alcohol	2.69	59	16726	112.35	ug/l #	91
12) 1,1-Dichloroethene	1.83	96	27567	22.16	ug/l	90
13) Acrolein	2.09	56	6839	92.82	ug/l #	73
14) Allyl chloride	2.19	41	47192	22.36	ug/l #	97
15) Acrylonitrile	3.08	53	29018	120.54	ug/l	89
16) Acetone	2.35	43	82531	110.33	ug/l	97
17) Carbon Disulfide	1.84	76	91409	23.12	ug/l	98
18) Methyl Acetate	2.46	43	35626	25.78	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	88280	21.56	ug/l	98
20) Methylene Chloride	2.28	84	39578	25.97	ug/l	98
21) trans-1,2-Dichloroethene	2.42	96	29514	22.10	ug/l	93
22) Diisopropyl ether	2.93	45	101763	22.54	ug/l	98
23) Vinyl Acetate	3.34	43	207903	114.39	ug/l	97
24) 1,1-Dichloroethane	3.01	63	66204	22.36	ug/l	98
25) 2-Butanone	4.52	43	64312	104.14	ug/l #	91
26) 2,2-Dichloropropane	3.77	77	48878	18.64	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	24045	19.69	ug/l	87
28) Bromochloromethane	3.91	49	18578	21.87	ug/l	98
29) Tetrahydrofuran	4.27	42	26148	118.64	ug/l	98
30) Chloroform	4.04	83	68874	20.12	ug/l	88
31) Cyclohexane	3.86	56	29269	21.60	ug/l	86
32) 1,1,1-Trichloroethane	4.28	97	68147	20.40	ug/l	95
36) 1,1-Dichloropropene	4.46	75	42034	20.19	ug/l	98
37) Ethyl Acetate	4.30	43	26774	23.26	ug/l #	52
38) Carbon Tetrachloride	4.18	117	60428	20.23	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	31439	20.13	ug/l	99
40) Benzene	4.82	78	73475	20.85	ug/l	99
41) Methacrylonitrile	4.93	41	11746	21.32	ug/l #	91
42) 1,2-Dichloroethane	5.13	62	64603	21.61	ug/l	98
43) Isopropyl Acetate	7.12	43	28221	22.28	ug/l #	86
44) Trichloroethene	5.69	130	28626	20.81	ug/l	100
45) 1,2-Dichloropropane	6.41	63	20555	20.39	ug/l	97
46) Dibromomethane	6.26	93	21404	21.53	ug/l	92
47) Bromodichloromethane	6.56	83	55912	20.83	ug/l	99
48) Methyl methacrylate	6.88	41	21839	23.16	ug/l	94
49) 1,4-Dioxane	6.88	88	3523	458.72	ug/l #	61
51) 4-Methyl-2-Pentanone	8.42	43	145244	122.75	ug/l	100
52) Toluene	7.79	92	53745	20.38	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	47691	21.06	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	45853	20.98	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	21852	20.65	ug/l #	86
56) Ethyl methacrylate	8.77	69	26836	21.89	ug/l	94
57) 1,3-Dichloropropane	9.01	76	46358	24.58	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	12706	123.57	ug/l	100
59) 2-Hexanone	9.64	43	112797	115.45	ug/l	99
60) Dibromochloromethane	8.87	129	39977	20.67	ug/l	96
61) 1,2-Dibromoethane	9.15	107	29723	22.51	ug/l	97
64) Tetrachloroethene	8.31	164	31114	21.06	ug/l	90
65) Chlorobenzene	9.95	112	76639	20.03	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.09	131	35507	20.17	ug/l	95
67) Ethyl Benzene	10.05	91	142893	20.57	ug/l	100
68) m/p-Xylenes	10.28	106	100756	41.86	ug/l	90
69) o-Xylene	10.84	106	51012	20.67	ug/l	92
70) Styrene	10.92	104	83528	21.13	ug/l	97
71) Bromoform	10.90	173	28368	21.80	ug/l	94
73) Isopropylbenzene	11.24	105	168789	21.26	ug/l	98
74) N-amyl acetate	11.47	43	52302	23.22	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	34828	22.34	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	31188	22.59	ug/l	95
77) Bromobenzene	11.61	156	47557	21.48	ug/l	89
78) n-propylbenzene	11.69	91	204163	20.71	ug/l	97
79) 2-Chlorotoluene	11.82	91	121358	20.27	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	154242	21.49	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.97	75	12445m	21.36	ug/l	
82) 4-Chlorotoluene	12.00	91	135703	20.71	ug/l	90
83) tert-Butylbenzene	12.23	119	145379	20.61	ug/l	96
84) 1,2,4-Trimethylbenzene	12.30	105	158829	21.01	ug/l	98
85) sec-Butylbenzene	12.39	105	192237	20.62	ug/l	95
86) p-Isopropyltoluene	12.55	119	175199	21.25	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	91029	21.54	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	89212	21.56	ug/l	96
89) n-Butylbenzene	12.93	91	158400	19.88	ug/l	98
90) Hexachloroethane	13.01	117	37884	20.40	ug/l	86
91) 1,2-Dichlorobenzene	13.02	146	85564	21.15	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	9054	21.00	ug/l	93

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MSVOA_F
ClientSampleId :
VF0817SBSD01

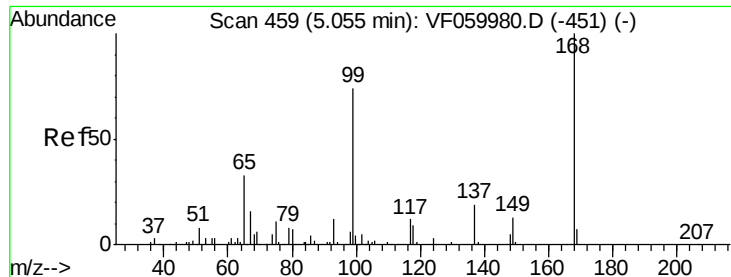
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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	67703	20.51	ug/l	97
94) Hexachlorobutadiene	14.27	225	44519	20.13	ug/l	93
95) Naphthalene	14.53	128	94830	20.41	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	66911	21.02	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion:168 Resp: 132344

Ion Ratio Lower Upper

168 100

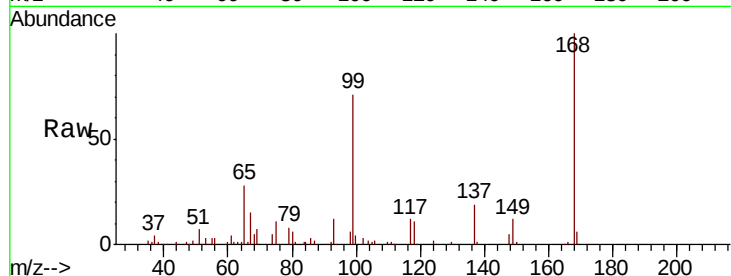
99 70.5 59.0 88.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

40000

30000

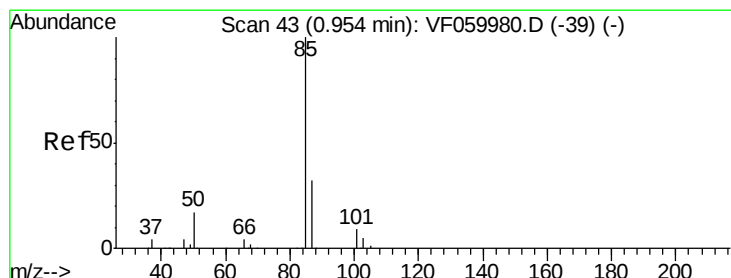
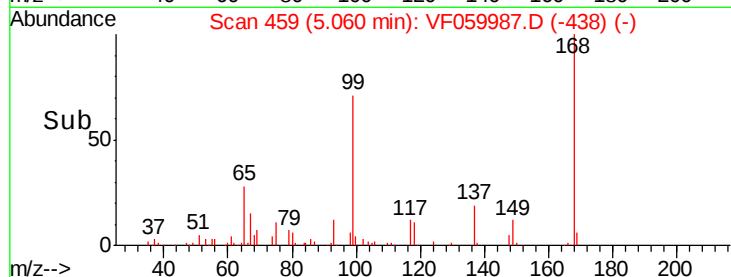
20000

10000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 20.09 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.01 min

Lab File: VF059987.D

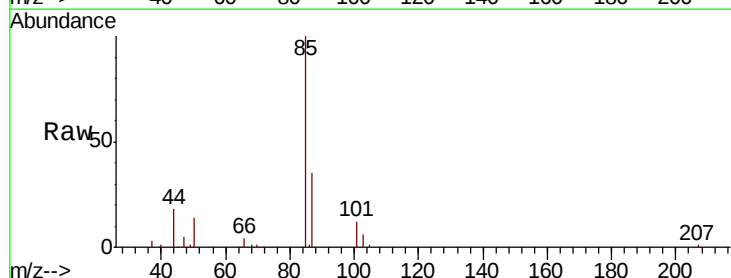
Acq: 17 Aug 2018 22:40

Tgt Ion: 85 Resp: 45103

Ion Ratio Lower Upper

85 100

87 35.1 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

30000

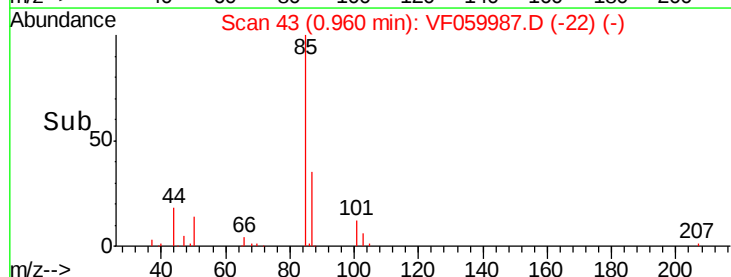
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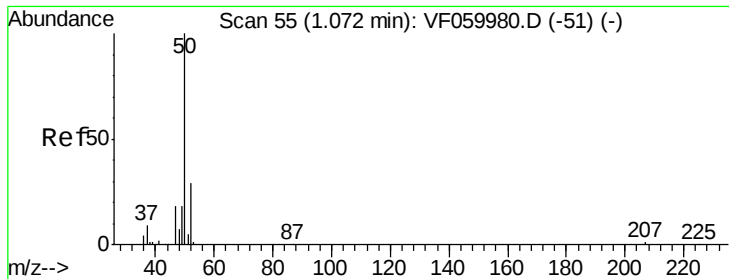
10000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 21.66 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 50 Resp: 23855

Ion Ratio Lower Upper

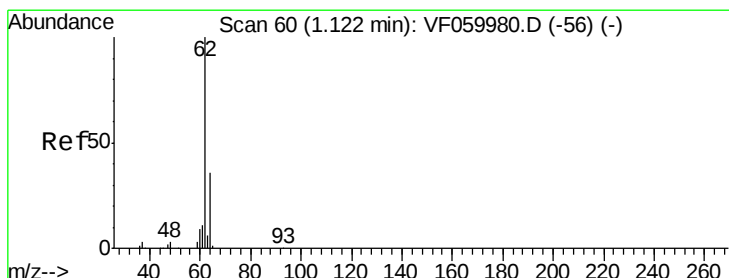
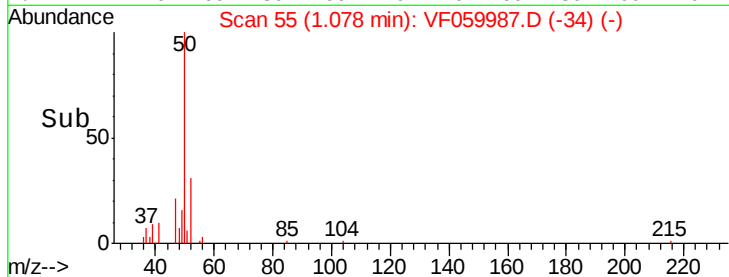
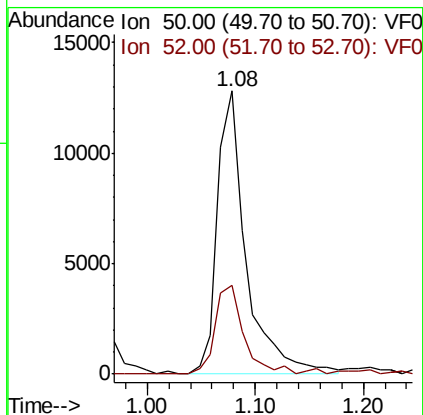
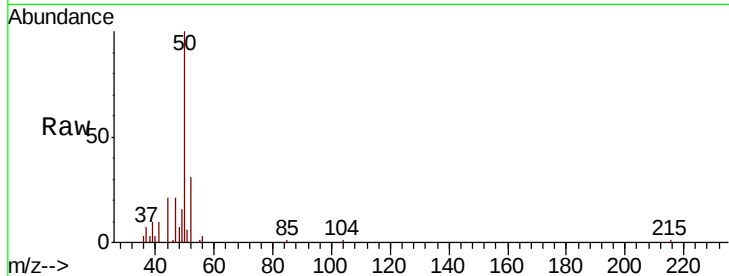
50 100

52 31.3 23.6 35.4

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#4

Vinyl Chloride

Concen: 22.70 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.00 min

Lab File: VF059987.D

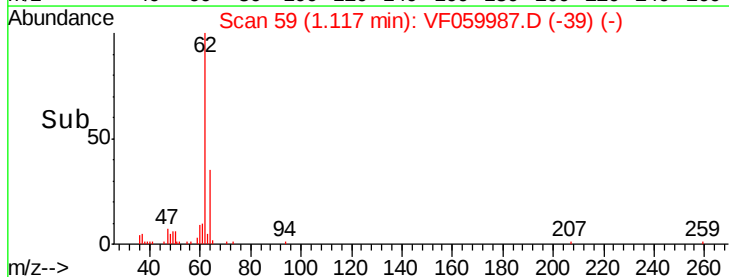
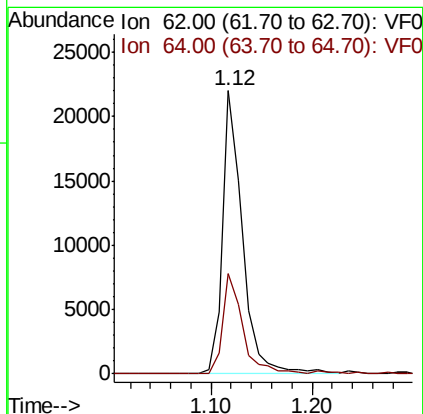
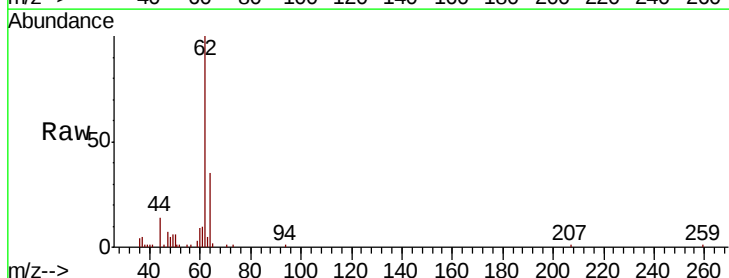
Acq: 17 Aug 2018 22:40

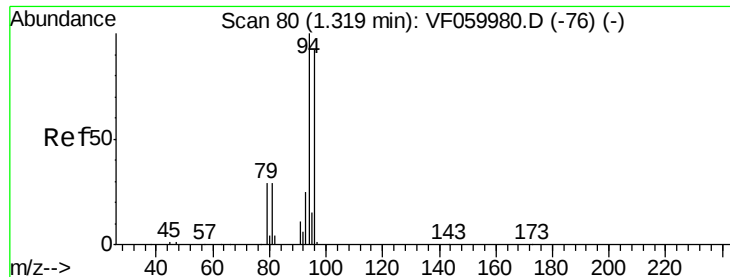
Tgt Ion: 62 Resp: 30428

Ion Ratio Lower Upper

62 100

64 35.2 28.7 43.1





#5

Bromomethane

Concen: 23.15 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 94 Resp: 28194

Ion Ratio Lower Upper

94 100

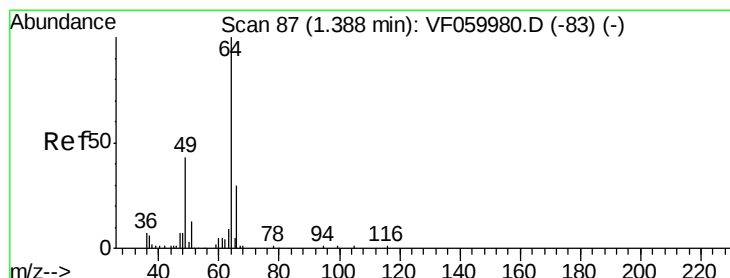
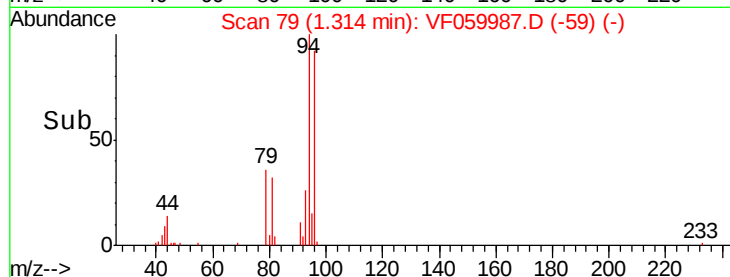
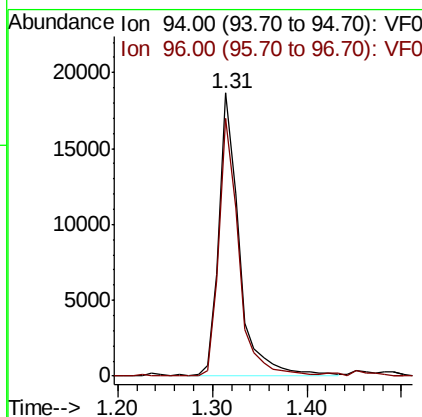
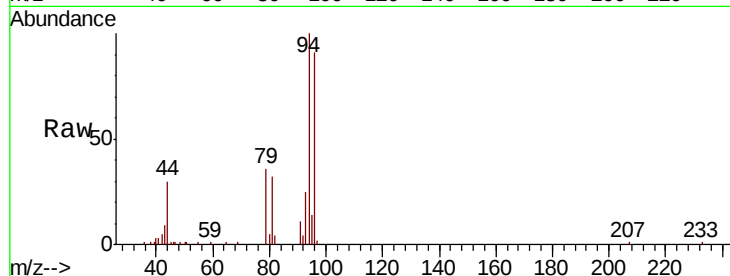
96 91.0 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 20.53 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF059987.D

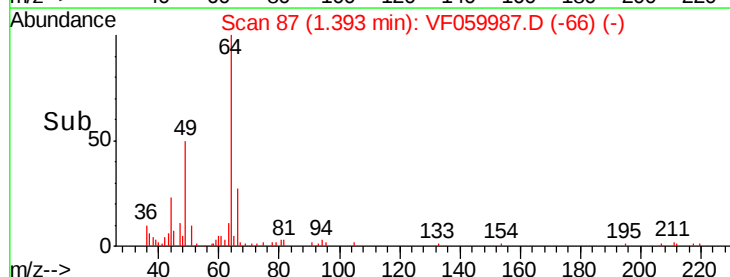
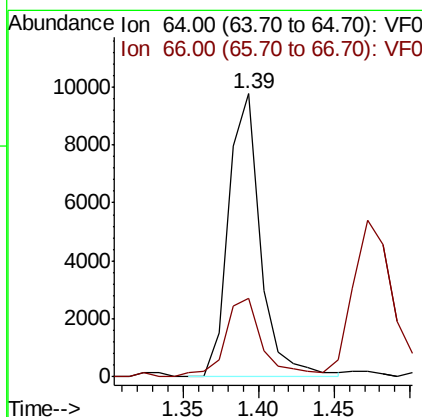
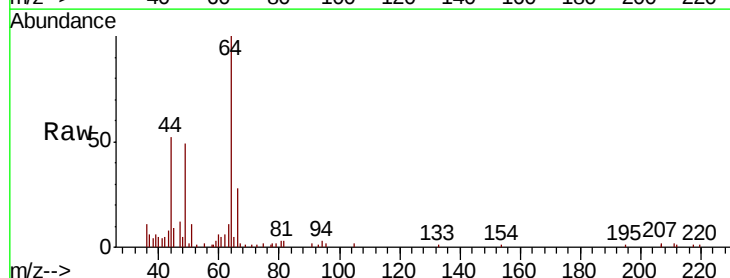
Acq: 17 Aug 2018 22:40

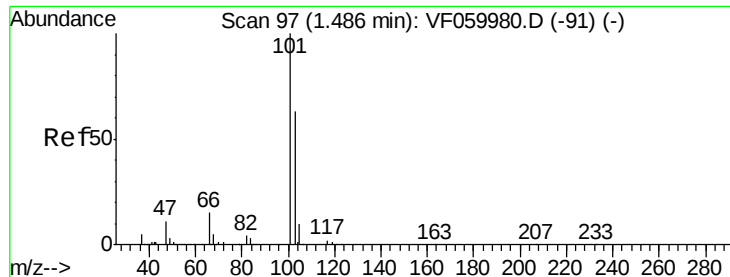
Tgt Ion: 64 Resp: 14289

Ion Ratio Lower Upper

64 100

66 27.7 24.4 36.6





#7

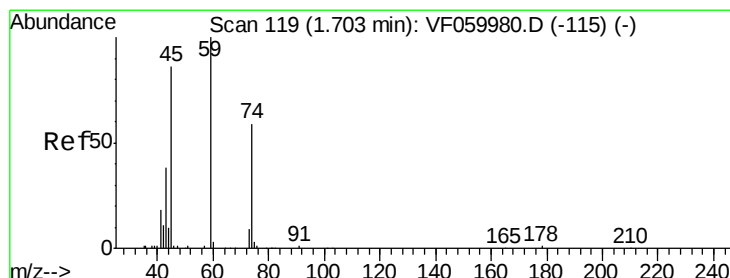
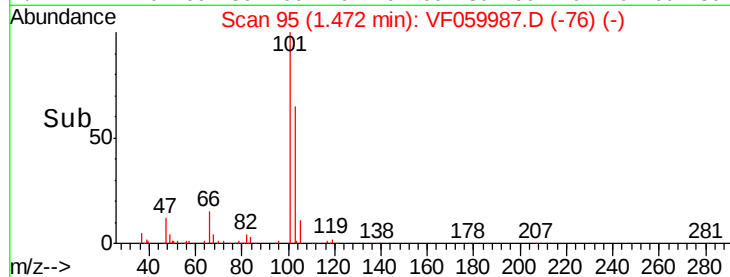
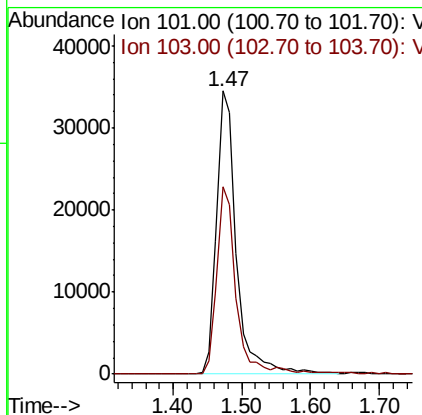
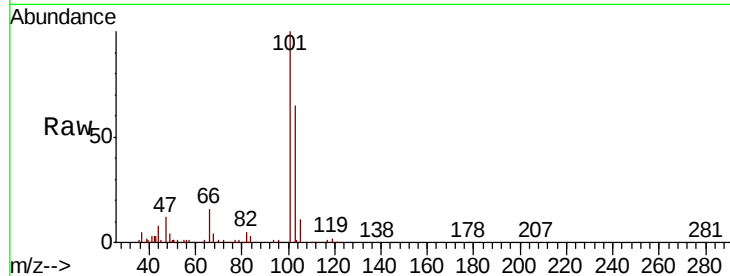
Trichlorofluoromethane
 Concen: 17.93 ug/l
 RT: 1.47 min Scan# 95
 Delta R.T. -0.01 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Instrument :
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 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	50.8	76.2

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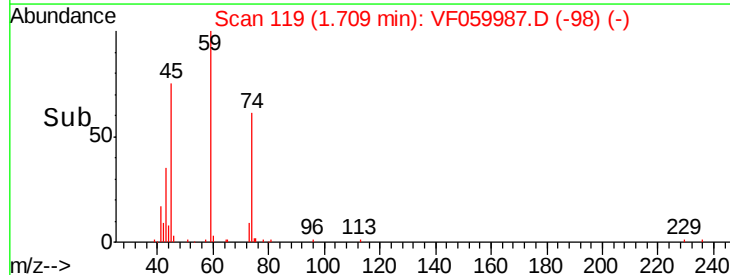
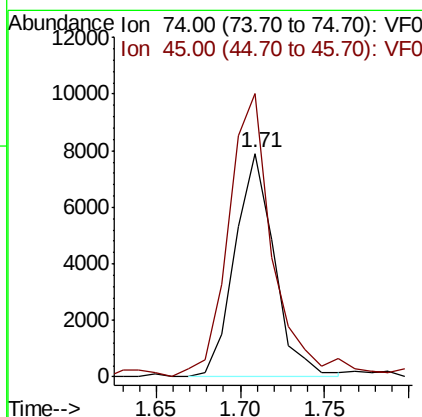
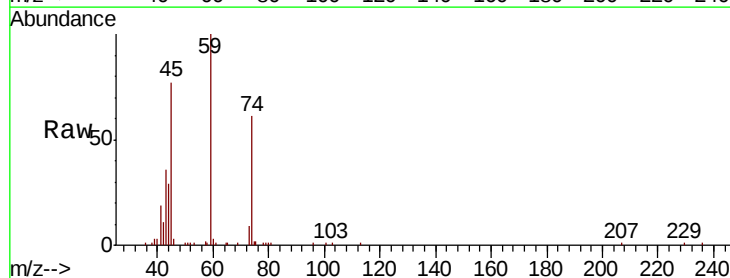
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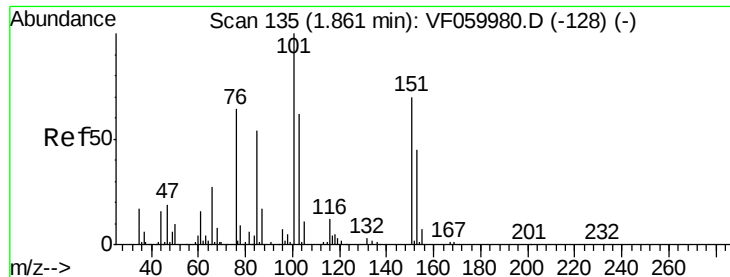


#8

Diethyl Ether
 Concen: 22.74 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	126.6	73.5	220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.69 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

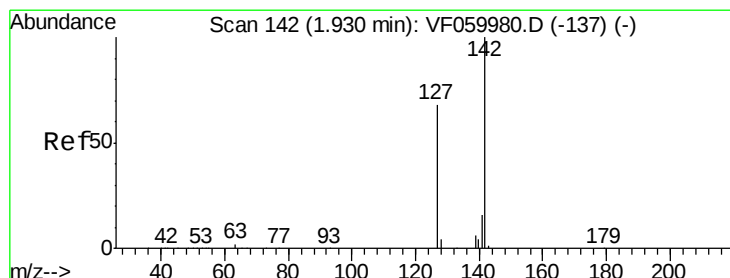
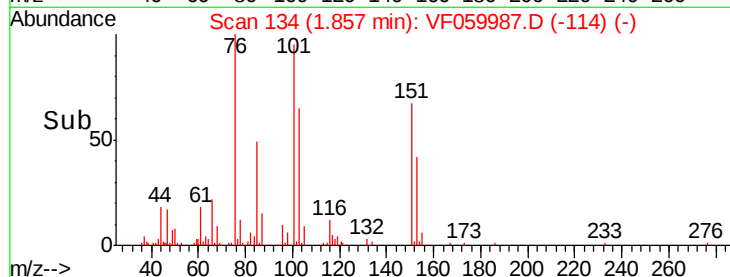
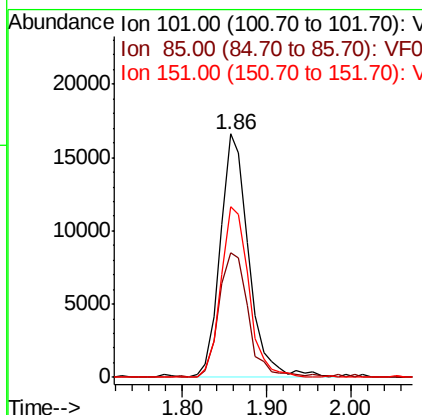
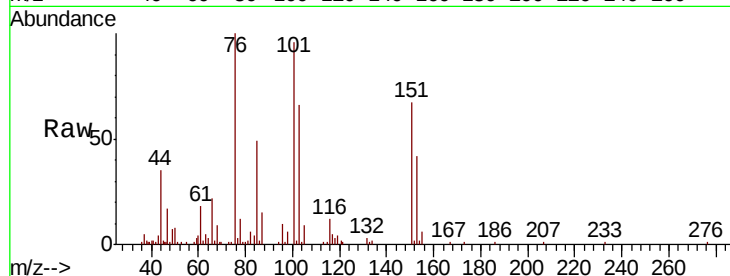
ClientSampleId :

VF0817SBS01

Tot Ion:	101	Resp:	39131
Ion Ratio	Lower	Upper	
101	100		
85	51.0	43.0	64.6
151	70.1	56.2	84.2

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#10

Methyl Iodide

Concen: 21.83 ug/l

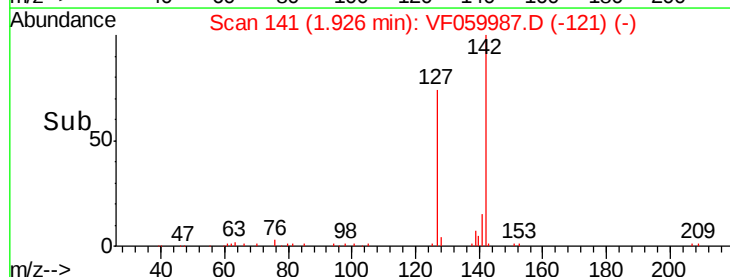
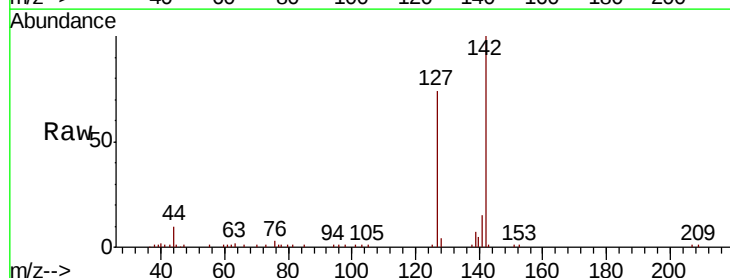
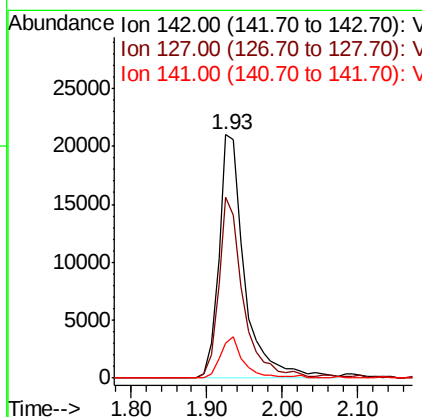
RT: 1.93 min Scan# 141

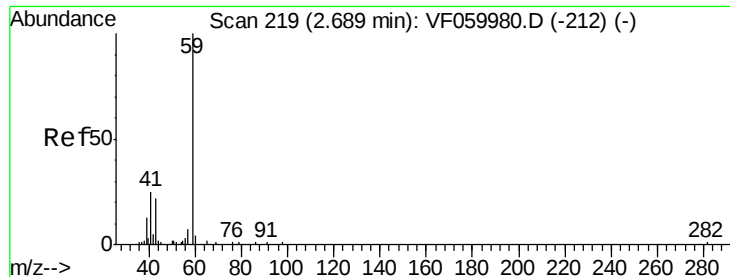
Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion:	142	Resp:	49691
Ion Ratio	Lower	Upper	
142	100		
127	74.3	54.1	81.1
141	14.5	12.5	18.7





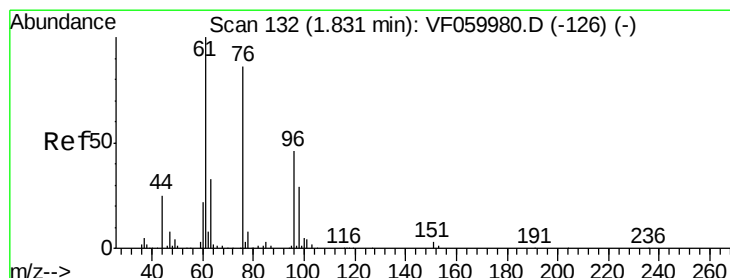
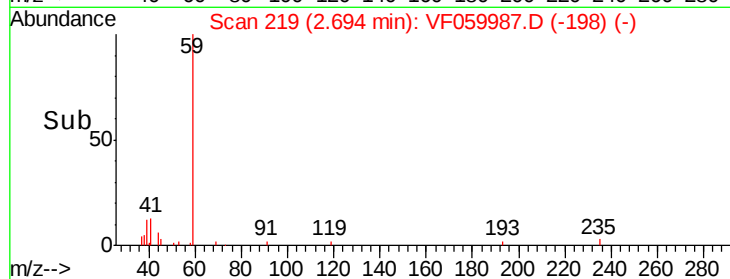
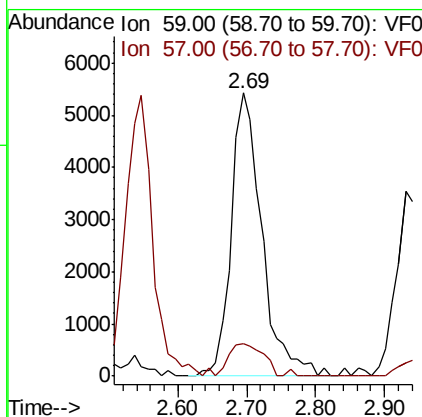
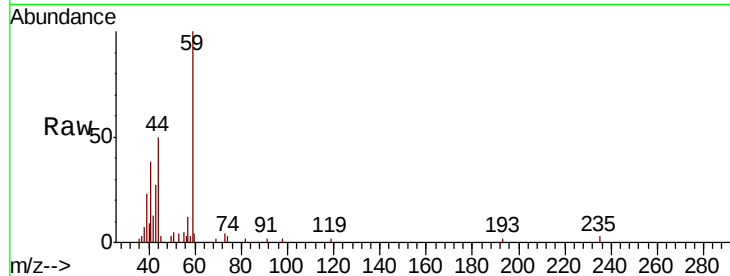
#11
Tert butyl alcohol
Concen: 112.35 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	6.8	10.2#

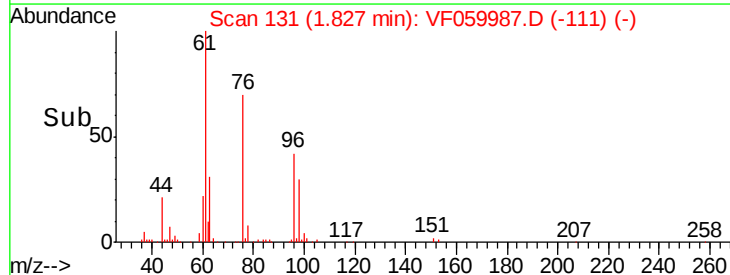
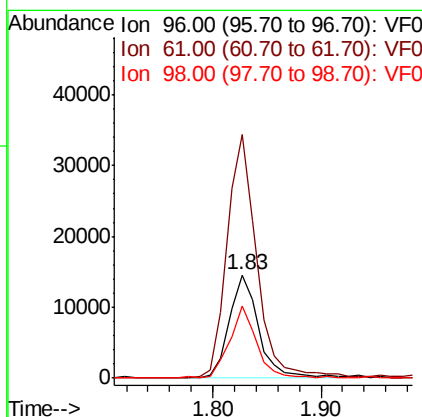
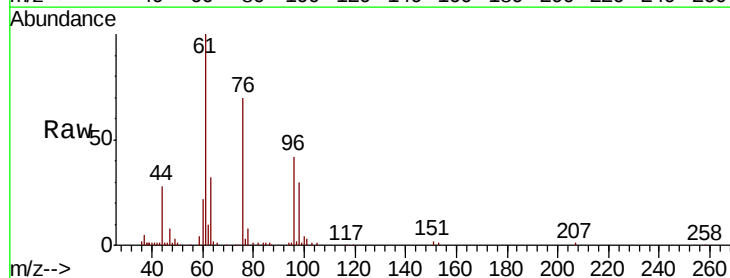
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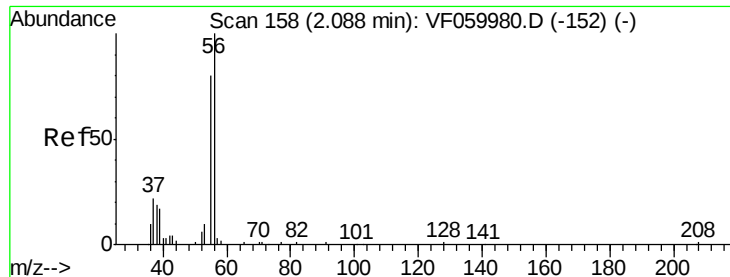
apatel
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#12
1,1-Dichloroethene
Concen: 22.16 ug/l
RT: 1.83 min Scan# 131
Delta R.T. -0.00 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	236.3	175.6	263.4
98	70.6	50.6	75.8





#13

Acrolein

Concen: 92.82 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 56 Resp: 6839

Ion Ratio Lower Upper

56 100

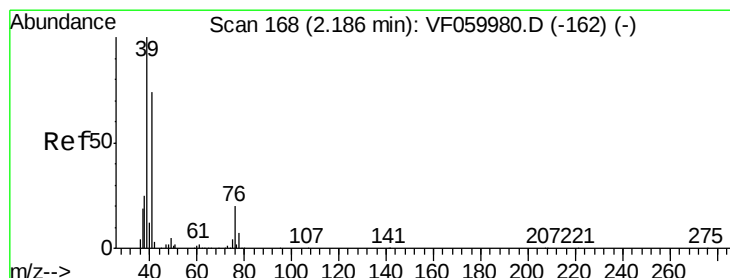
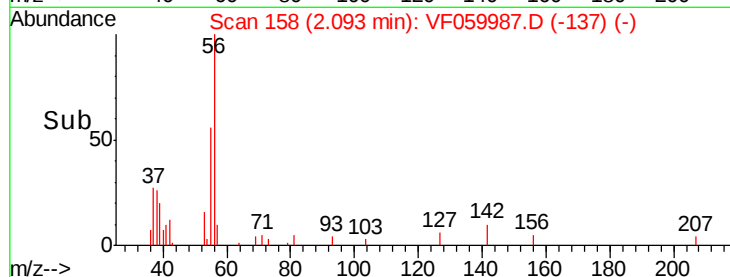
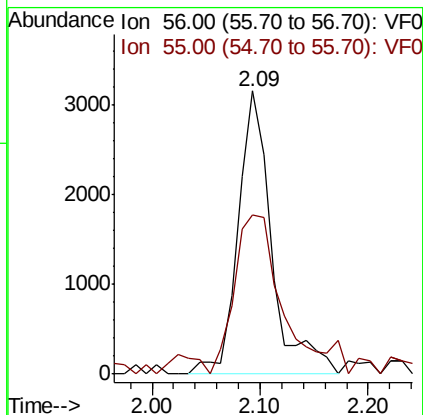
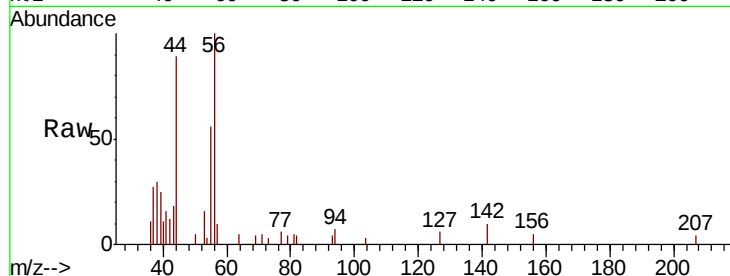
55 56.3 63.8 95.6#

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#14

Allyl chloride

Concen: 22.36 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

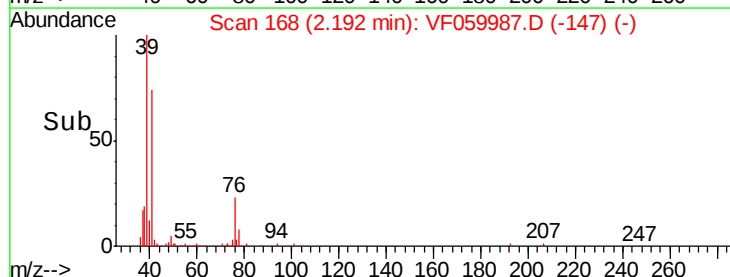
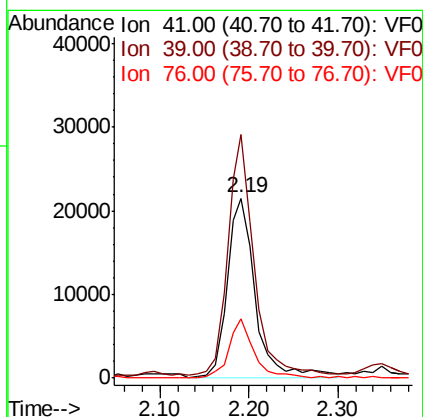
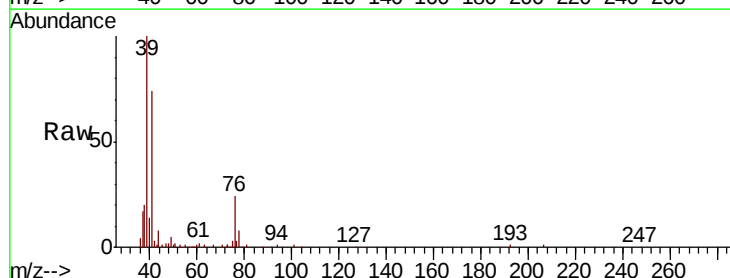
Tgt Ion: 41 Resp: 47192

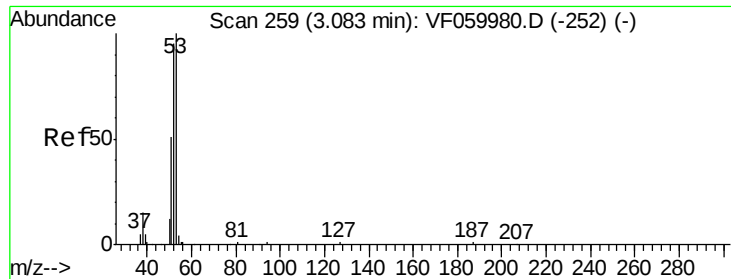
Ion Ratio Lower Upper

41 100

39 135.1 109.3 163.9

76 32.9 21.3 31.9#





#15

Acrylonitrile

Concen: 120.54 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

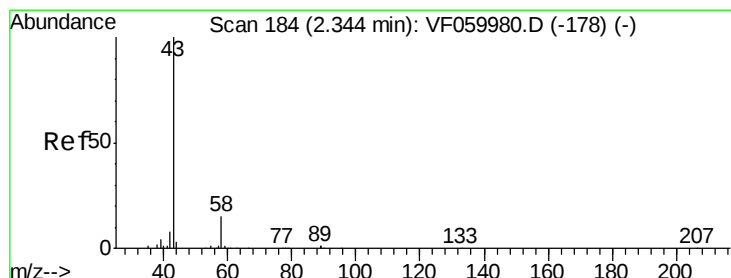
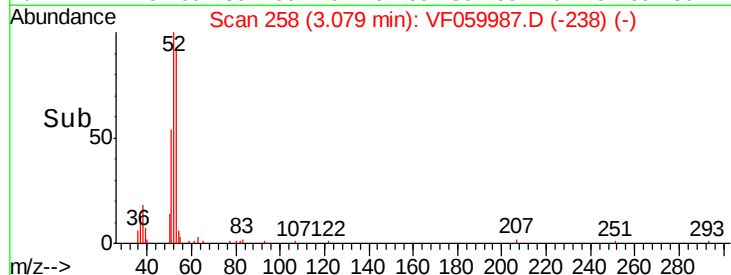
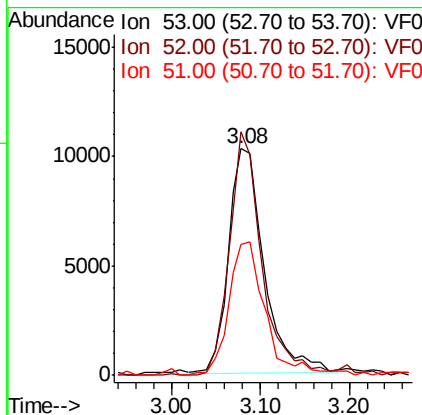
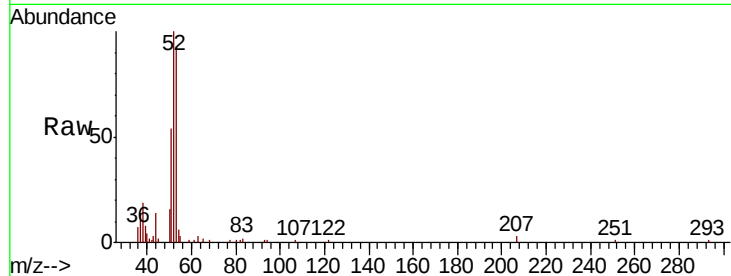
ClientSampleId :

VF0817SBS01

Tot Ion:	53	Resp:	29018
Ion	Ratio	Lower	Upper
53	100		
52	107.3	76.0	114.0
51	57.8	41.9	62.9

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#16

Acetone

Concen: 110.33 ug/l

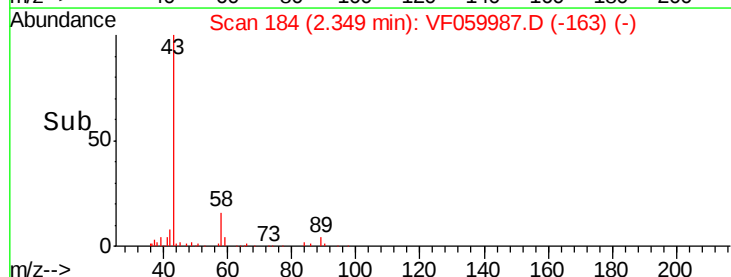
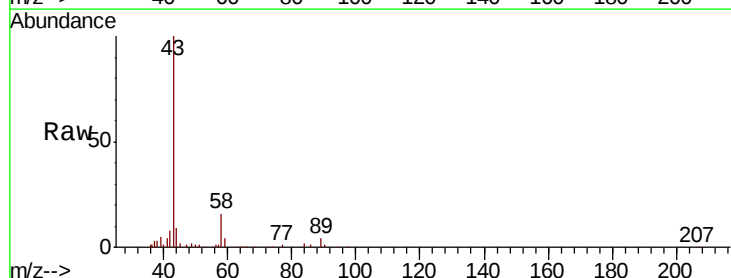
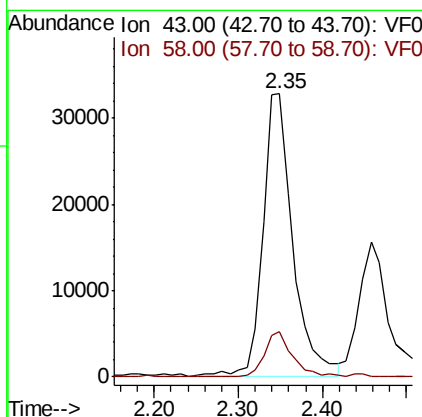
RT: 2.35 min Scan# 184

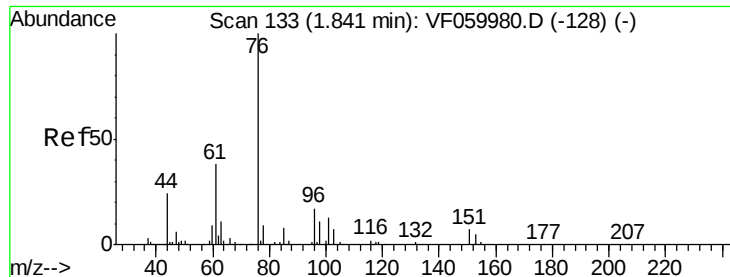
Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion:	43	Resp:	82531
Ion	Ratio	Lower	Upper
43	100		
58	16.1	11.9	17.9





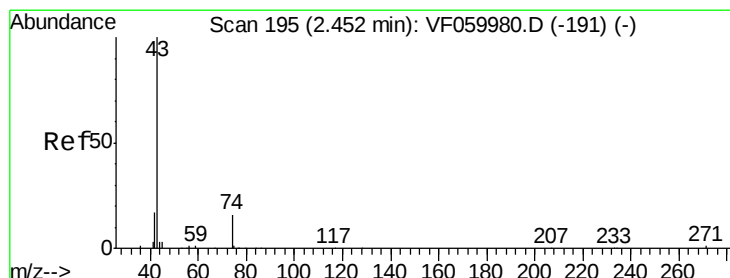
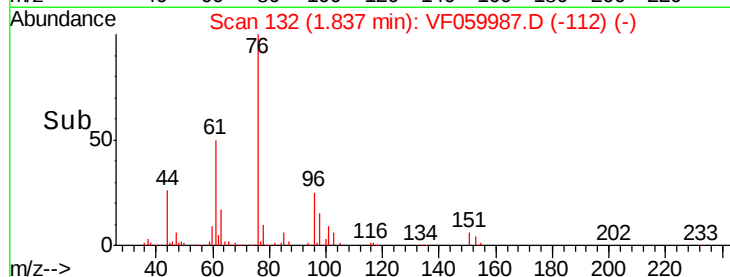
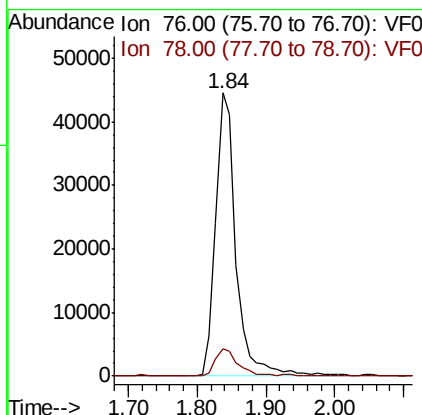
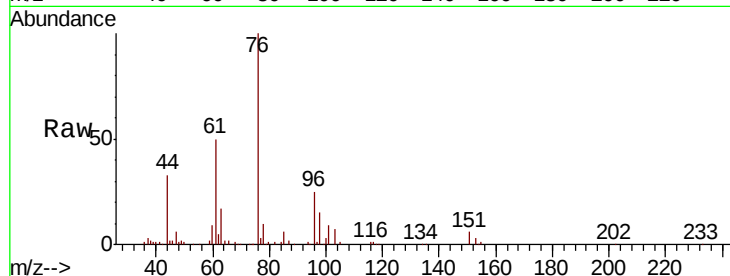
#17
Carbon Disulfide
Concen: 23.12 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.2	10.8

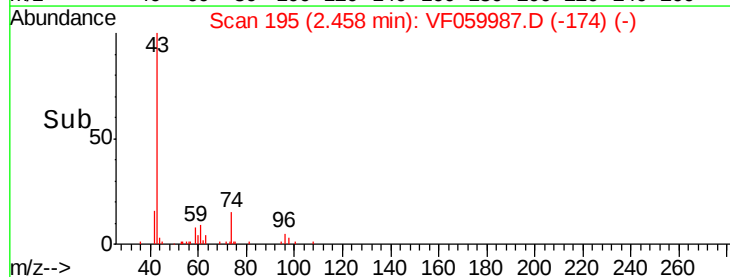
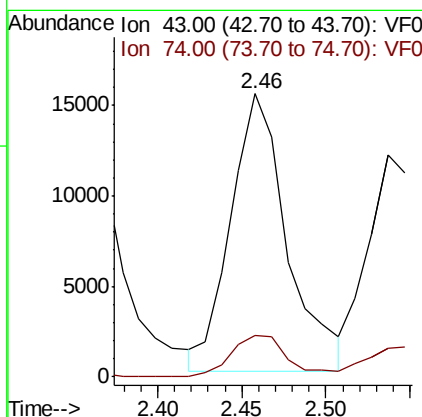
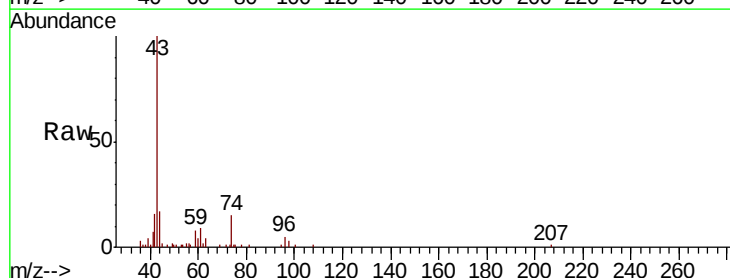
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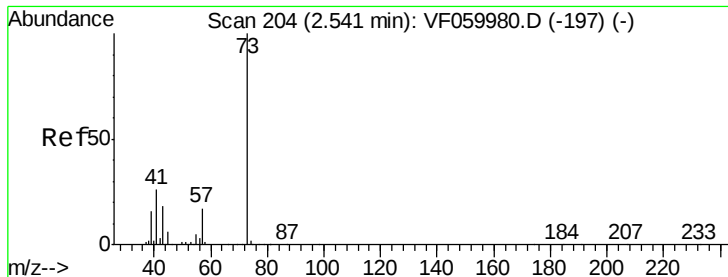
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#18
Methyl Acetate
Concen: 25.78 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.8	12.3	18.5





#19

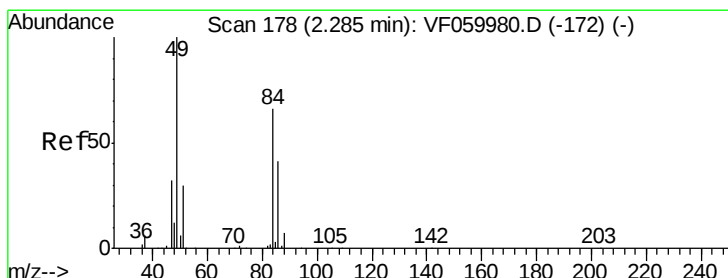
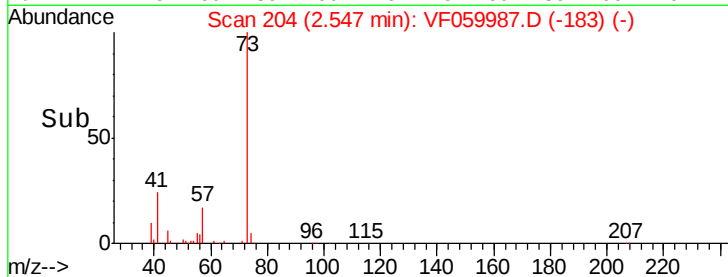
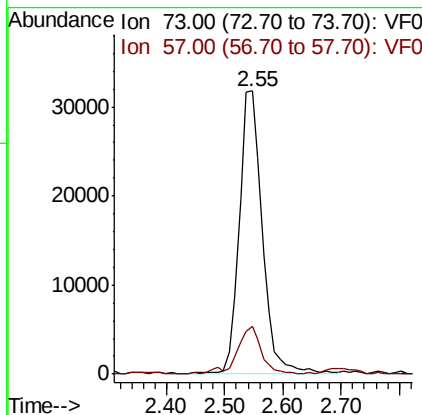
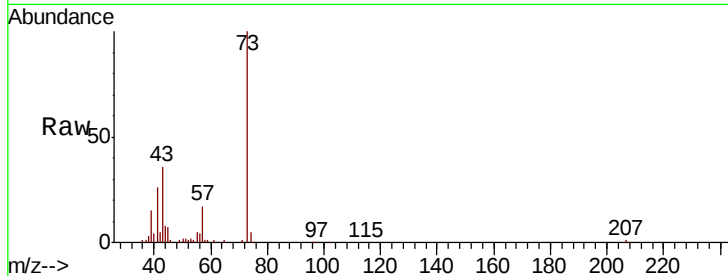
Methyl tert-butyl Ether
 Concen: 21.56 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.9	14.2	21.2

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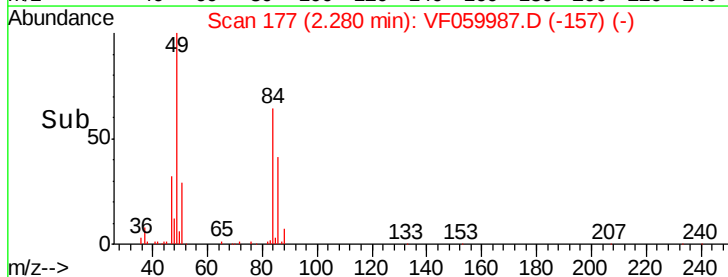
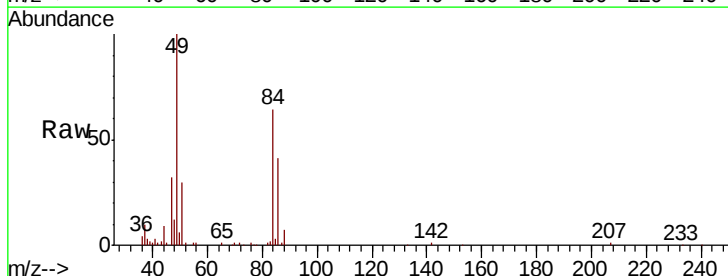
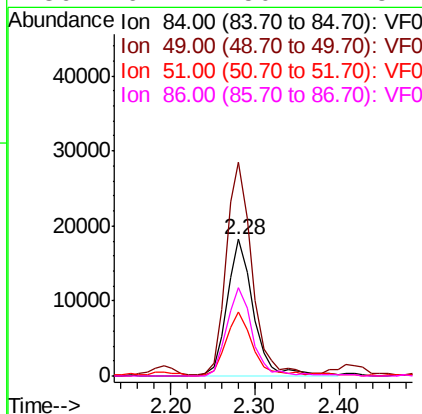
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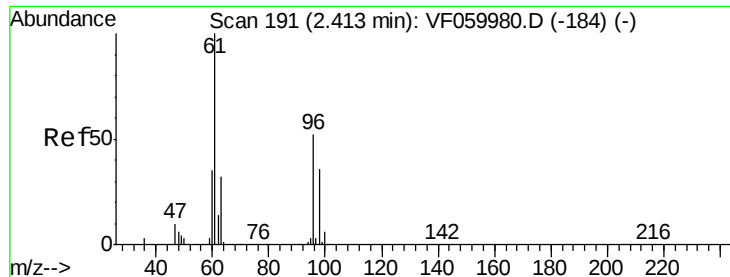


#20

Methylene Chloride
 Concen: 25.97 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.2	122.5	183.7
51	46.9	37.1	55.7
86	64.4	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 22.10 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

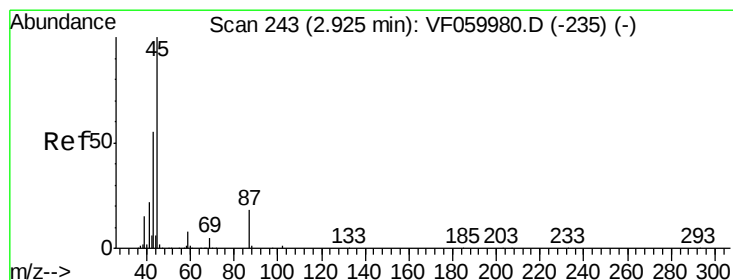
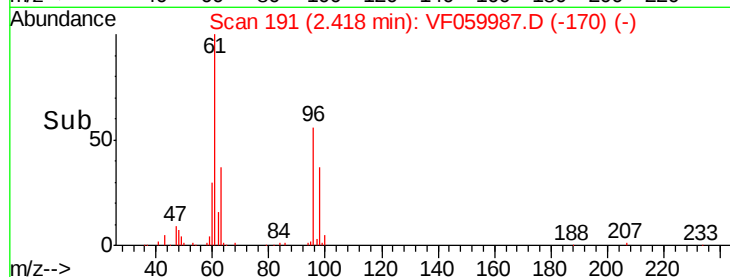
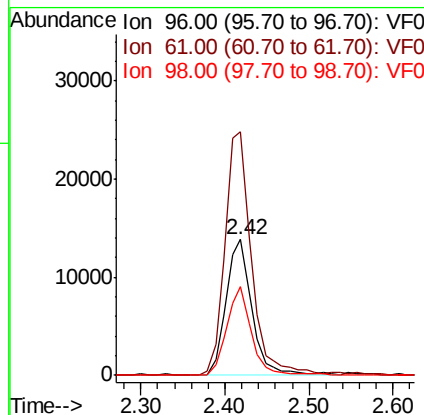
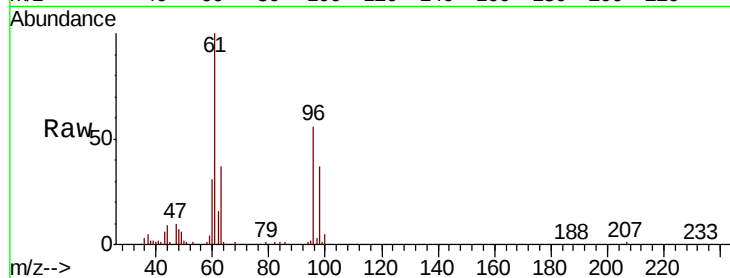
ClientSampleId :

VF0817SBS01

Tot Ion:	96	Resp:	29514
Ion	Ratio	Lower	Upper
96	100		
61	179.3	153.0	229.4
98	65.5	55.5	83.3

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#22

Diisopropyl ether

Concen: 22.54 ug/l

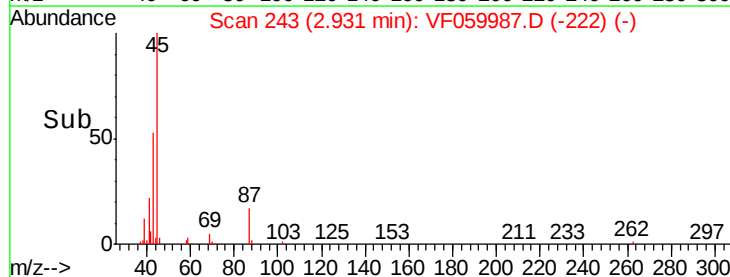
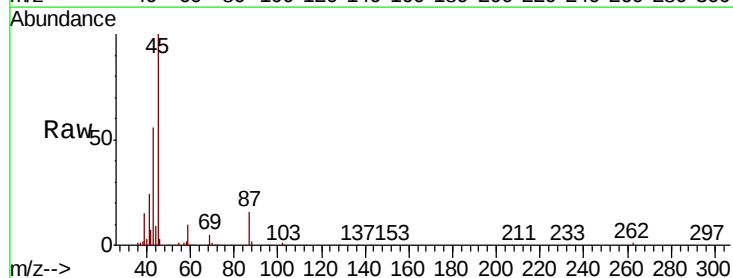
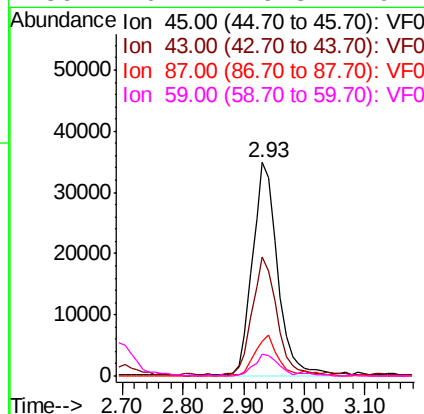
RT: 2.93 min Scan# 243

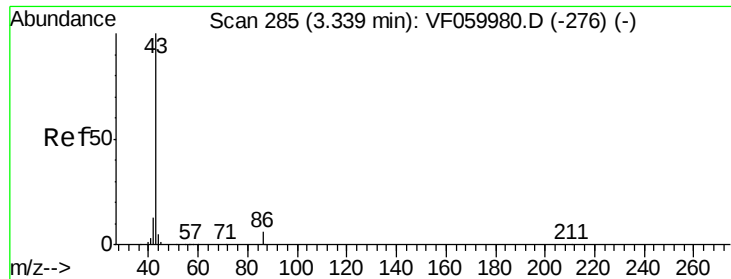
Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion:	45	Resp:	101763
Ion	Ratio	Lower	Upper
45	100		
43	55.6	44.8	67.2
87	16.5	14.6	21.8
59	10.2	6.8	10.2





#23

Vinyl Acetate

Concen: 114.39 ug/l

RT: 3.34 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 43 Resp: 207903

Ion Ratio Lower Upper

43 100

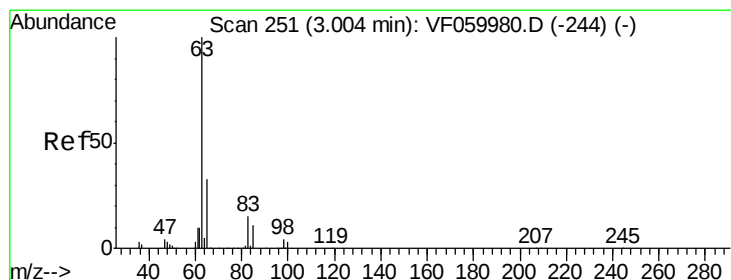
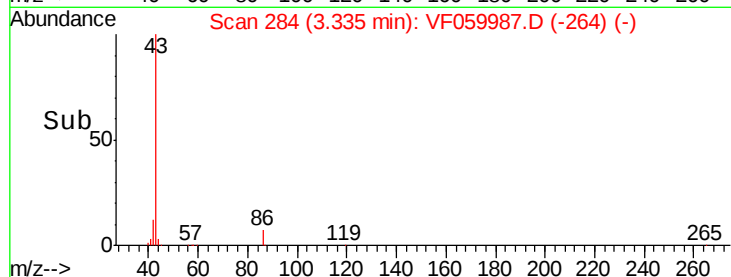
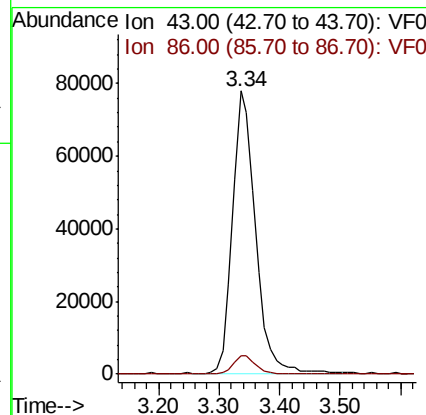
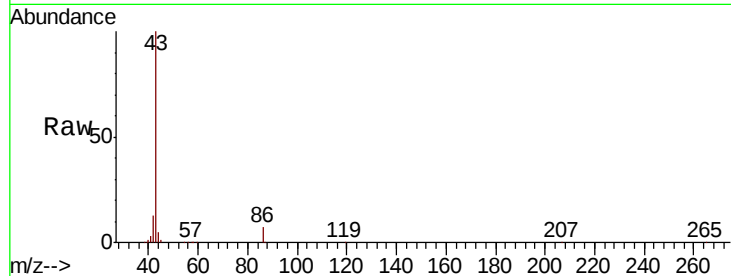
86 6.6 4.4 6.6

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#24

1,1-Dichloroethane

Concen: 22.36 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

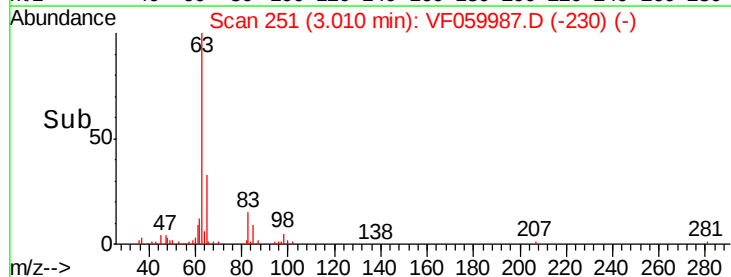
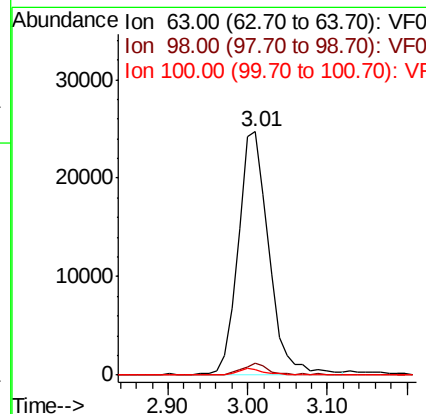
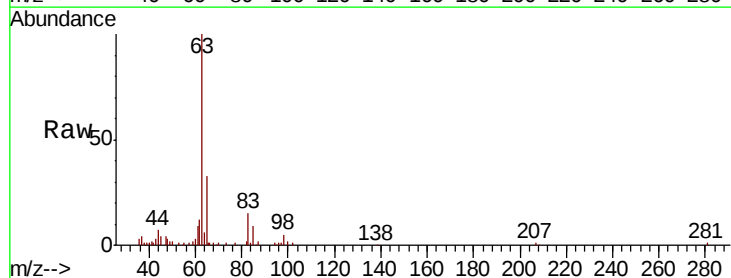
Tgt Ion: 63 Resp: 66204

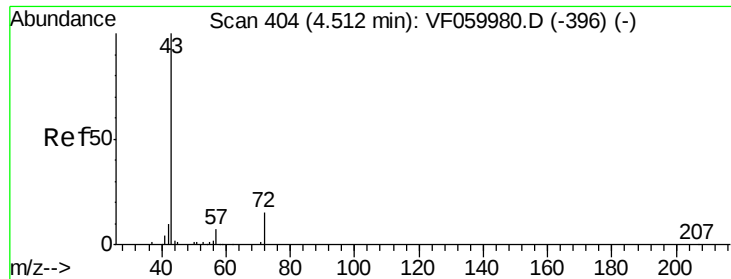
Ion Ratio Lower Upper

63 100

98 4.8 2.0 5.8

100 2.1 1.4 4.2





#25

2-Butanone

Concen: 104.14 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 43 Resp: 64312

Ion Ratio Lower Upper

43 100

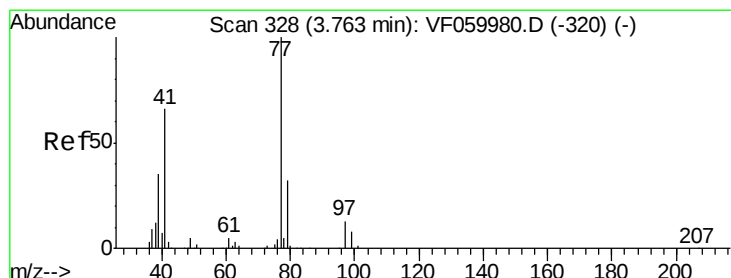
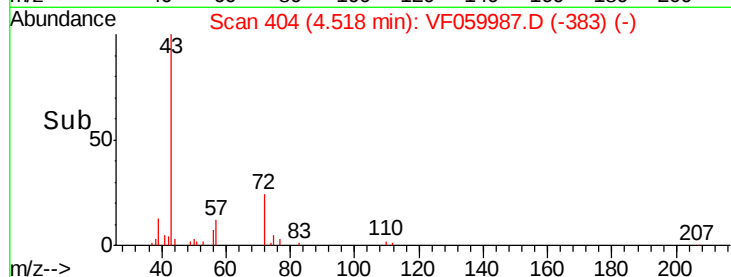
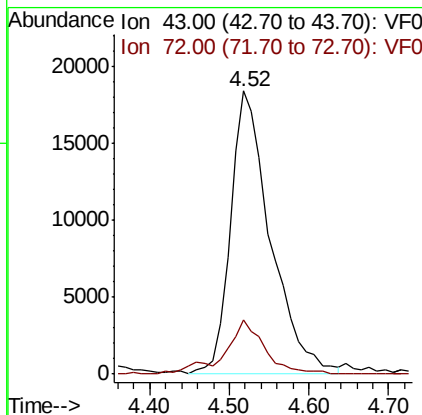
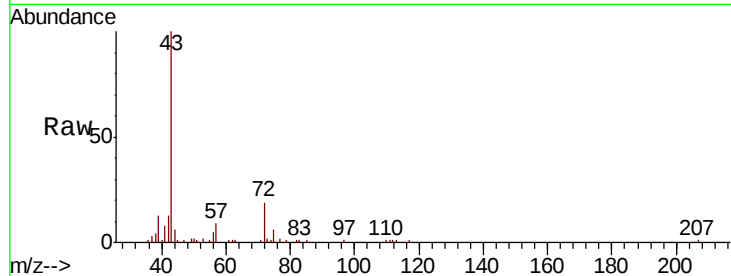
72 19.2 12.5 18.7#

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#26

2,2-Dichloropropane

Concen: 18.64 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059987.D

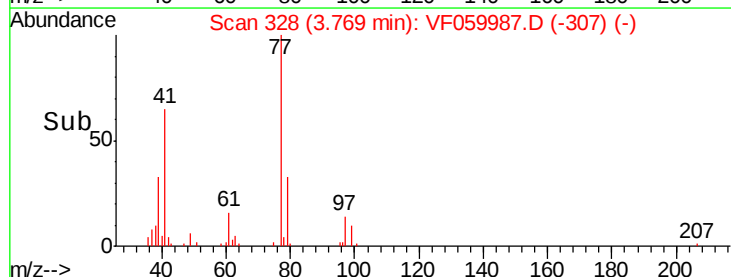
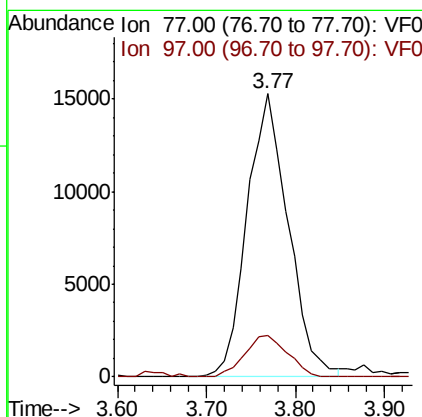
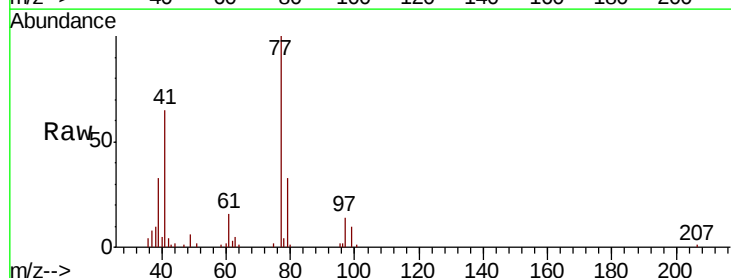
Acq: 17 Aug 2018 22:40

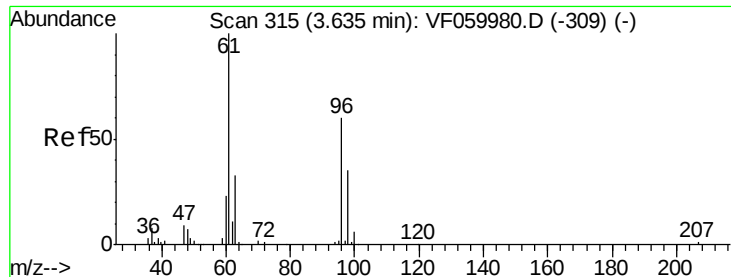
Tgt Ion: 77 Resp: 48878

Ion Ratio Lower Upper

77 100

97 14.5 6.7 20.0





#27

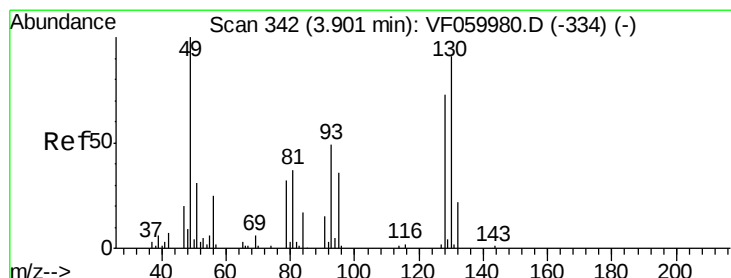
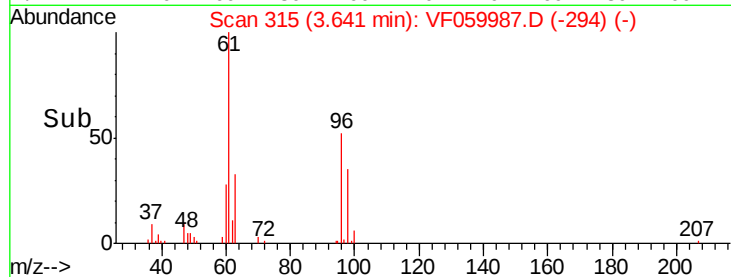
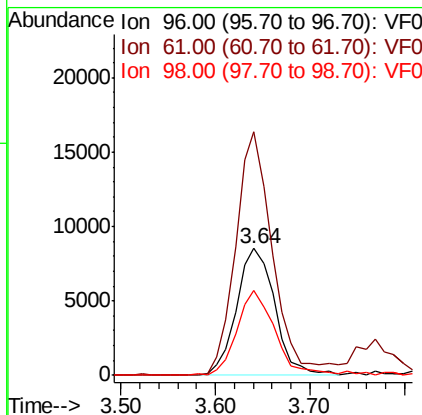
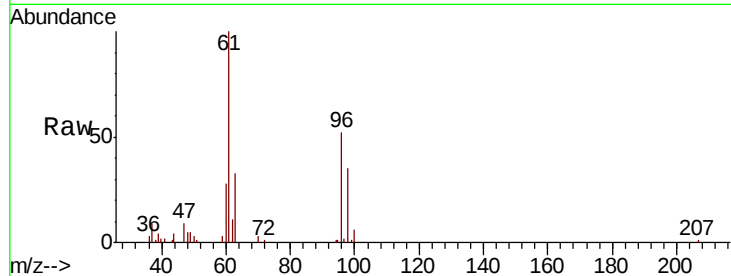
cis-1,2-Dichloroethene
 Concen: 19.69 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	24045		
61	186.6	0.0	335.0	
98	65.0	0.0	117.2	

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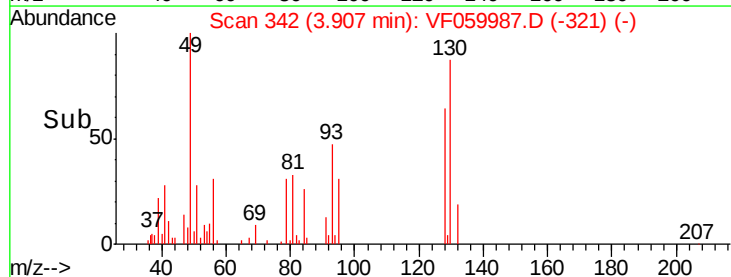
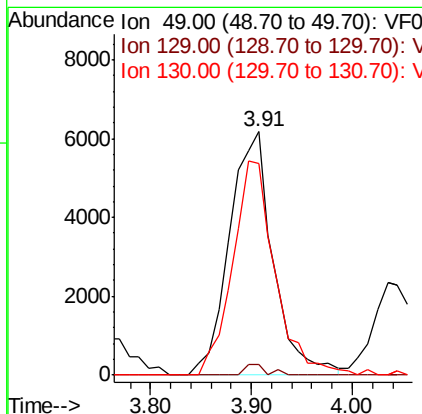
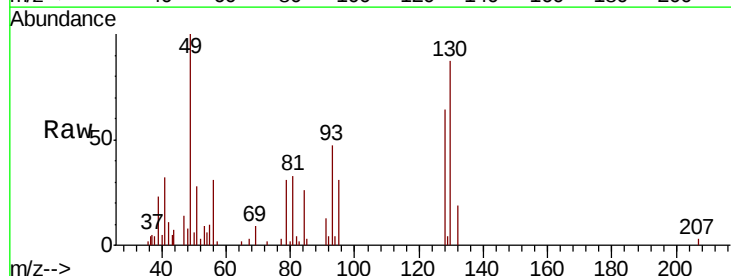
apatel
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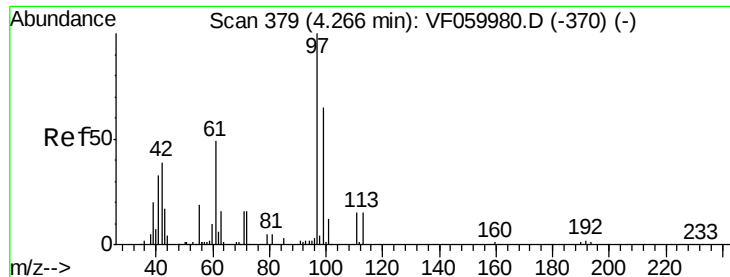


#28

Bromochloromethane
 Concen: 21.87 ug/l
 RT: 3.91 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	18578		
129	4.5	0.0	7.6	
130	87.1	71.3	106.9	





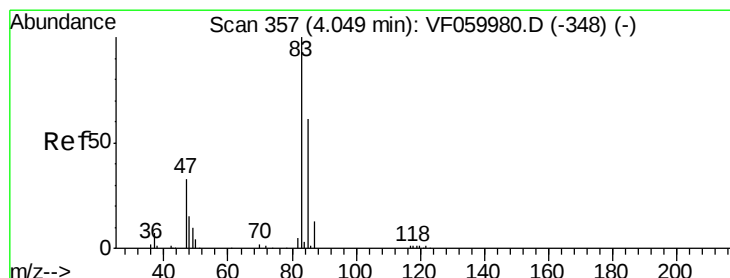
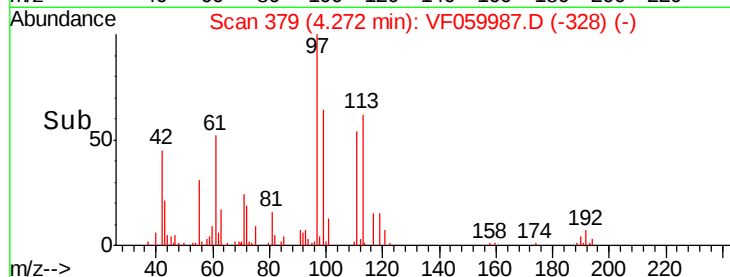
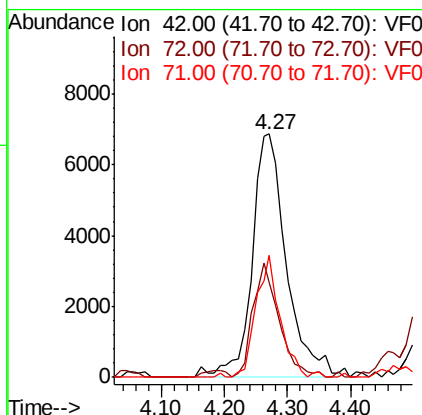
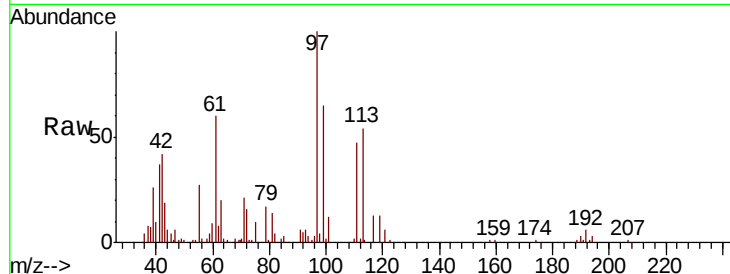
#29
Tetrahydrofuran
Concen: 118.64 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	29.8	44.6
71	34.7	29.0	43.4

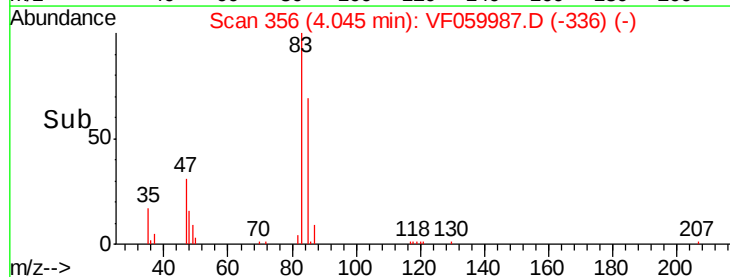
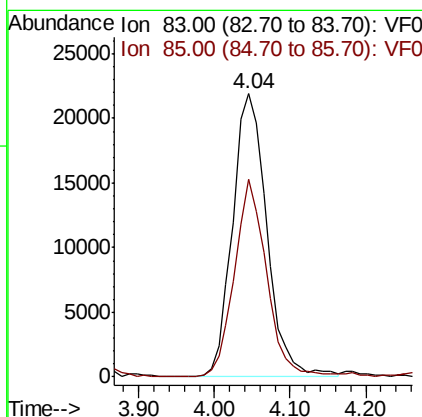
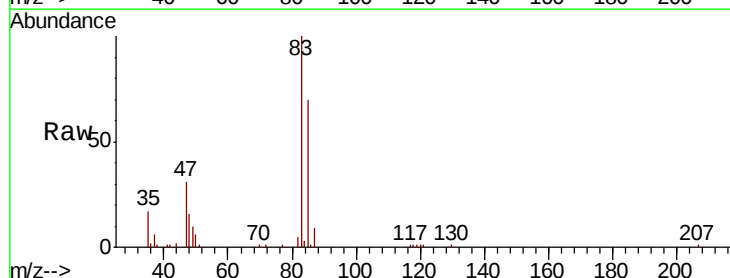
Manual Integrations
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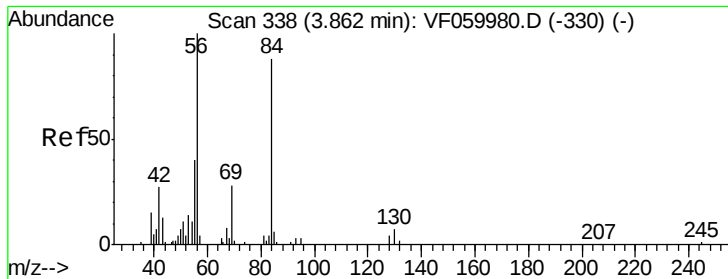
apatel
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#30
Chloroform
Concen: 20.12 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.9	48.8	73.2





#31

Cyclohexane

Concen: 21.60 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

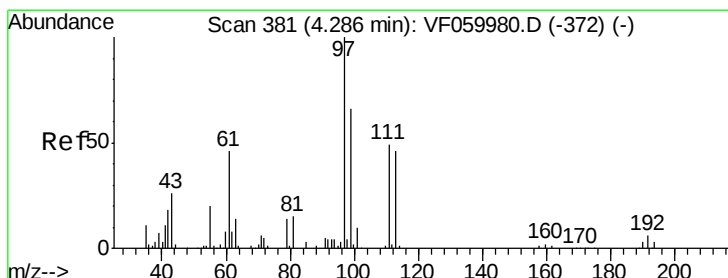
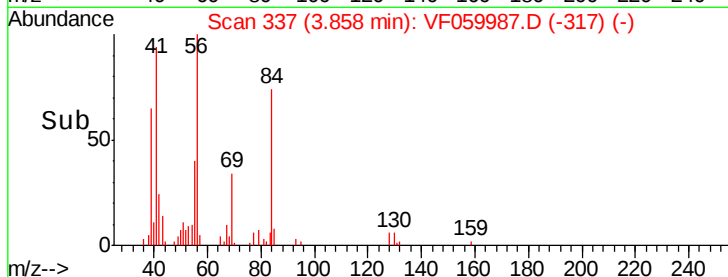
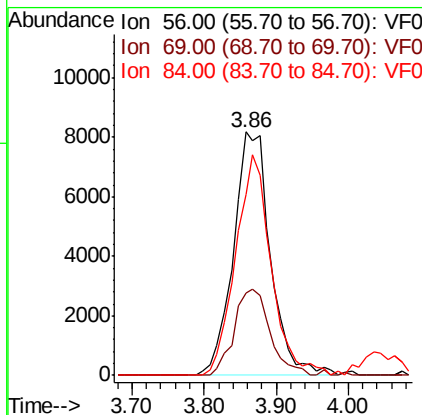
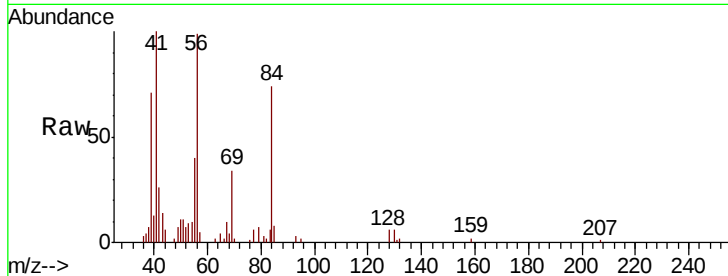
ClientSampleId :

VF0817SBS01

Tot Ion:	56	Resp:	29269
Ion	Ratio	Lower	Upper
56	100		
69	33.9	22.8	34.2
84	74.4	70.7	106.1

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#32

1,1,1-Trichloroethane

Concen: 20.40 ug/l

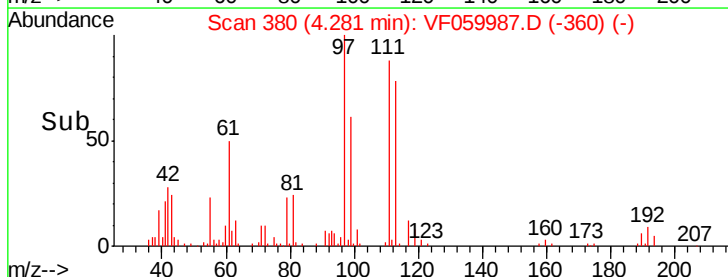
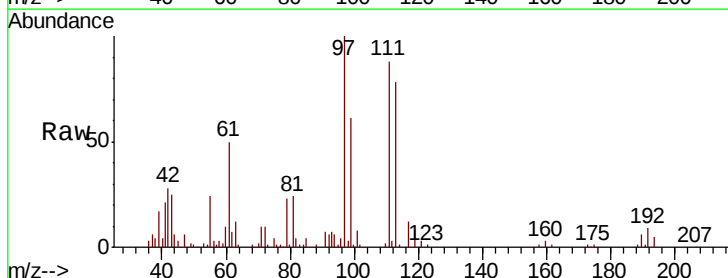
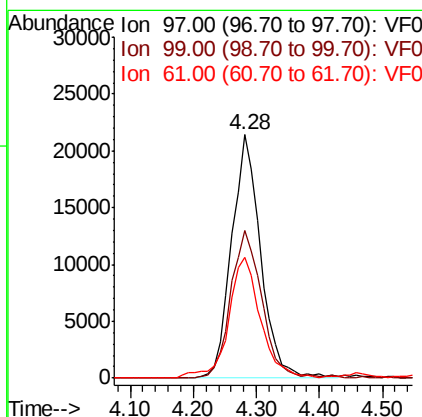
RT: 4.28 min Scan# 380

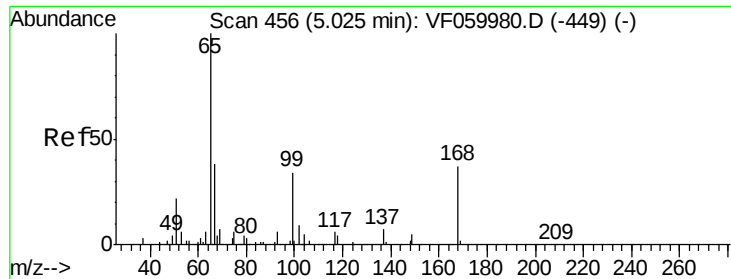
Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion:	97	Resp:	68147
Ion	Ratio	Lower	Upper
97	100		
99	60.5	53.1	79.7
61	49.6	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 48.78 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 65 Resp: 124616

Ion Ratio Lower Upper

65 100

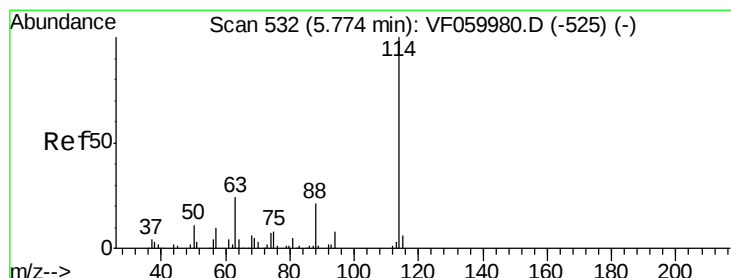
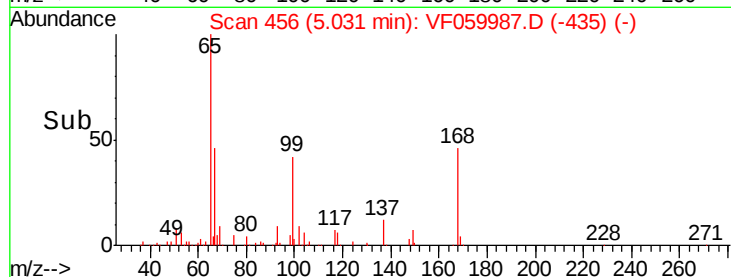
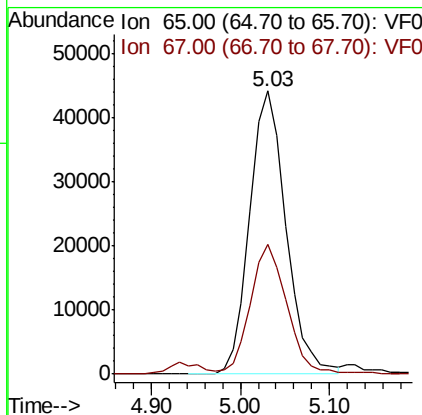
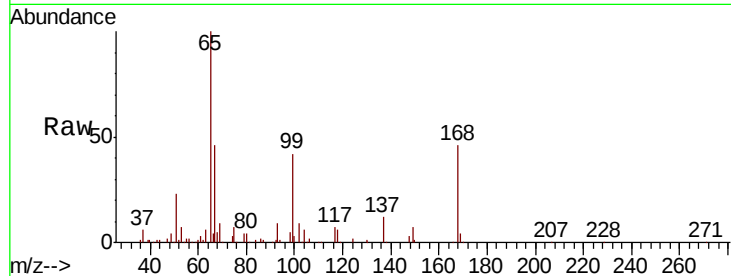
67 46.0 0.0 82.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

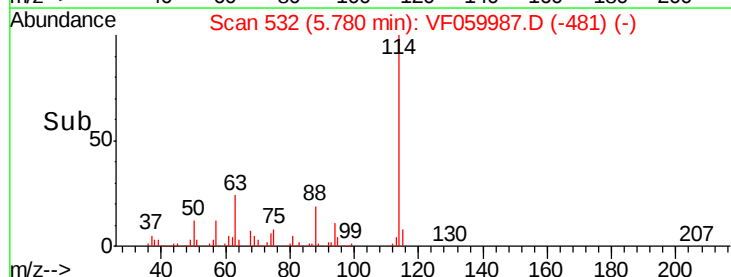
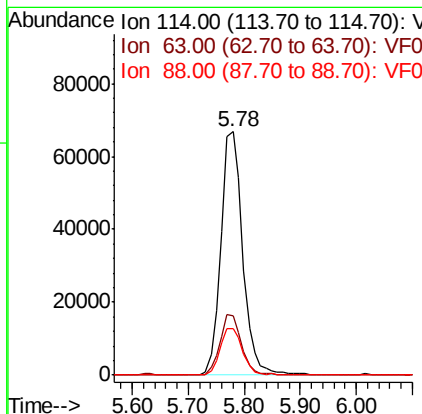
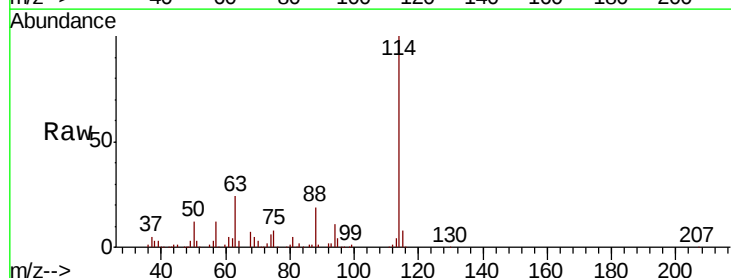
Tgt Ion: 114 Resp: 182804

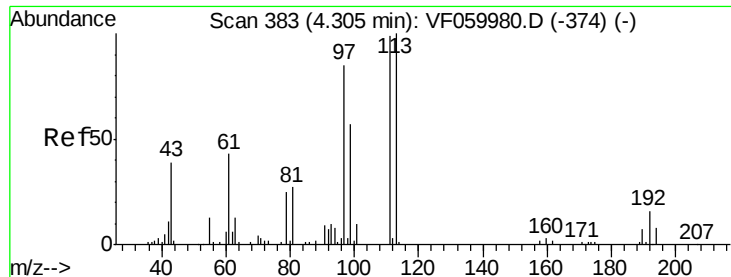
Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.6

88 19.1 0.0 42.8





#35

Dibromofluoromethane

Concen: 50.92 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

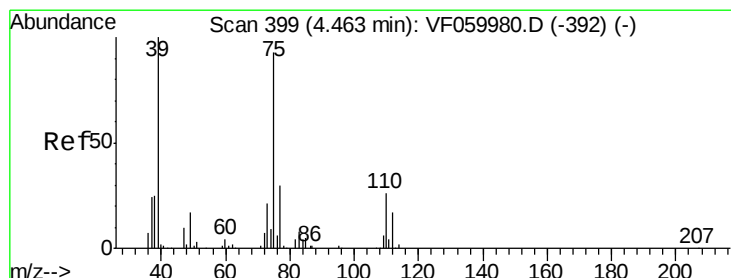
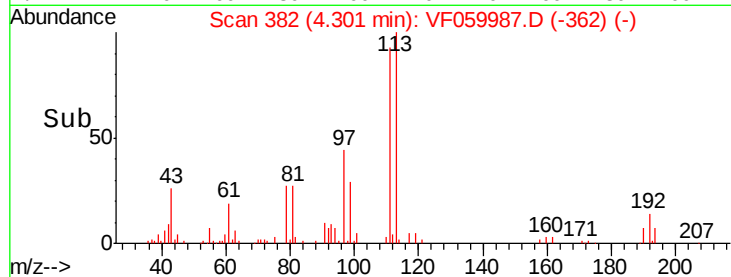
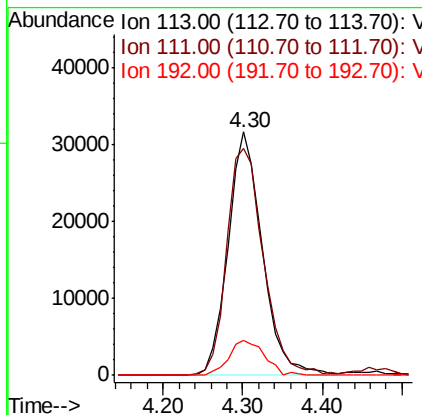
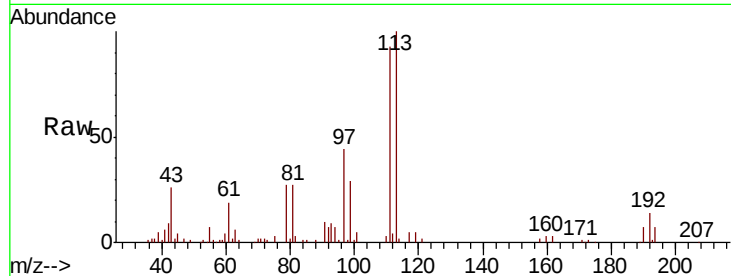
ClientSampleId :

VF0817SBS01

Tot Ion:	113	Resp:	95130
Ion Ratio	Lower	Upper	
113	100		
111	93.1	79.5	119.3
192	14.4	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 20.19 ug/l

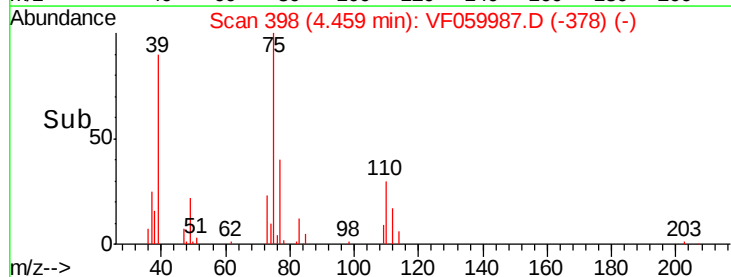
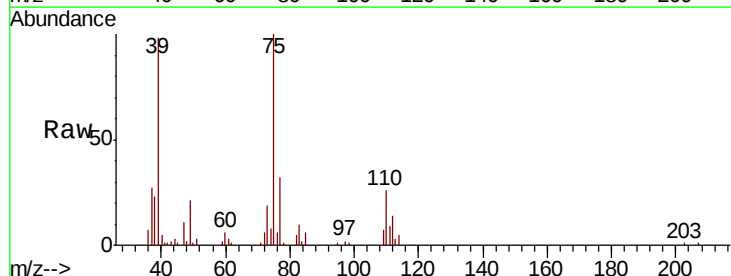
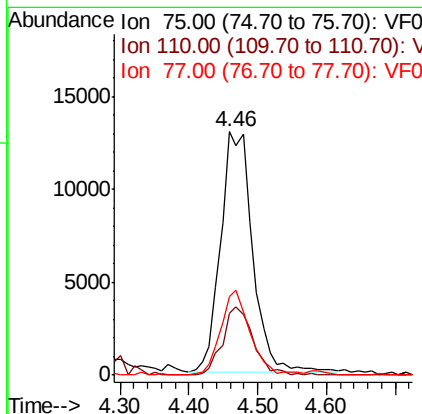
RT: 4.46 min Scan# 398

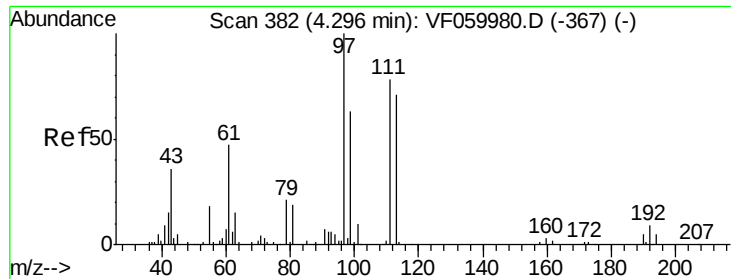
Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion:	75	Resp:	42034
Ion Ratio	Lower	Upper	
75	100		
110	25.6	13.8	41.4
77	32.2	25.8	38.8





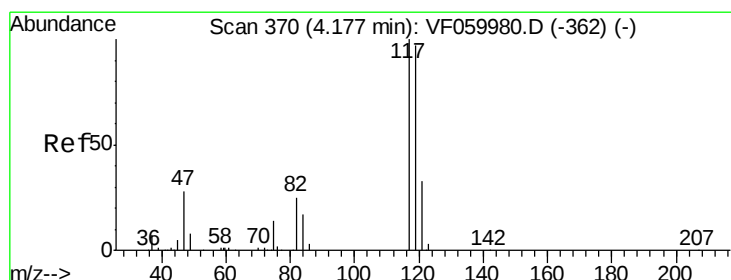
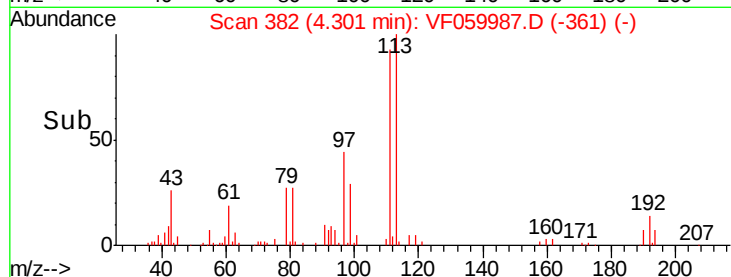
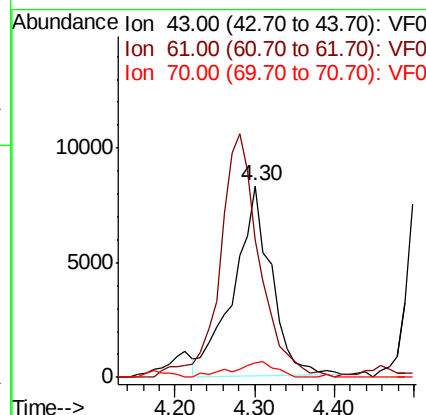
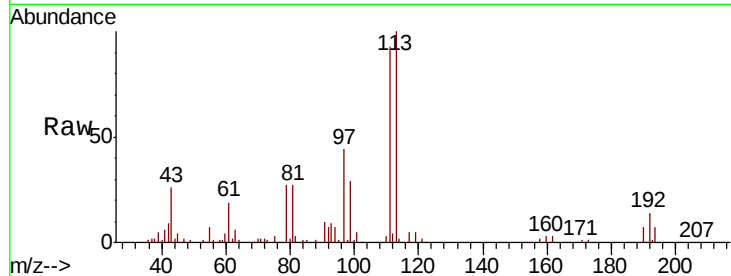
#37
Ethyl Acetate
Concen: 23.26 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
26774	100	71.7	7.8		104.5	156.7#
					5.9	8.9

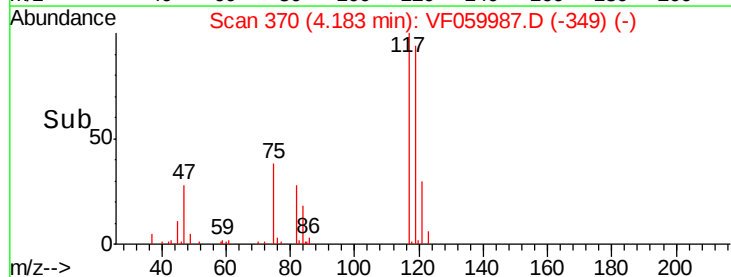
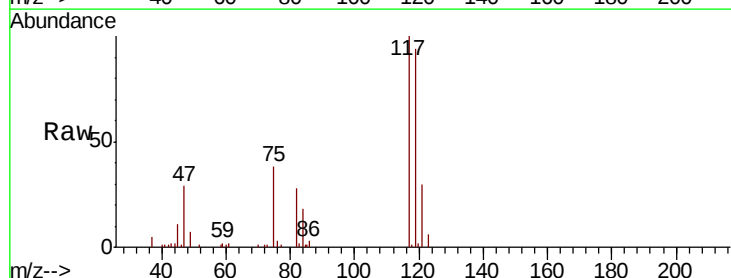
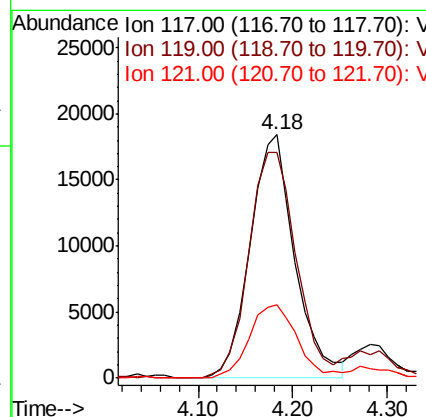
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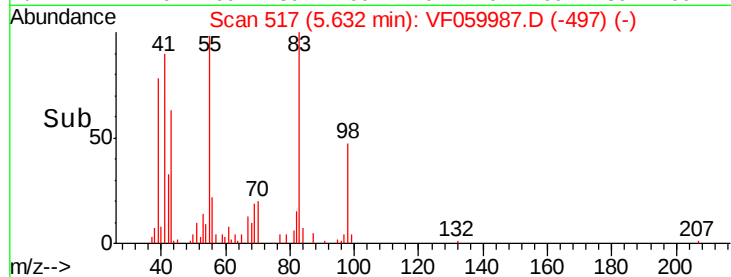
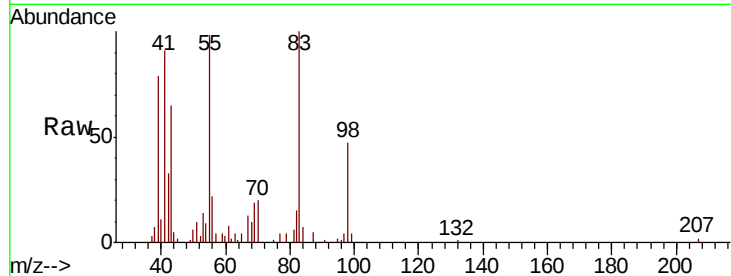
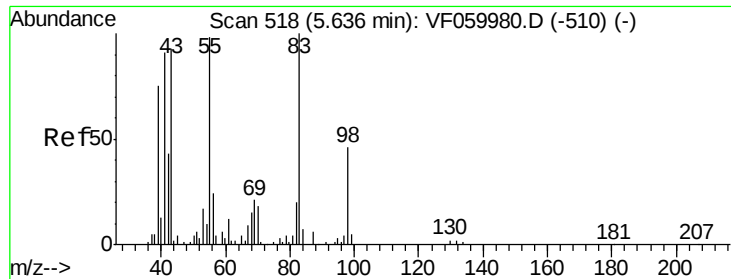
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#38
Carbon Tetrachloride
Concen: 20.23 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Tgt Ion	117	119	121	Ratio	Lower	Upper
60428	100	92.9	30.1		77.8	116.6
					26.0	39.0





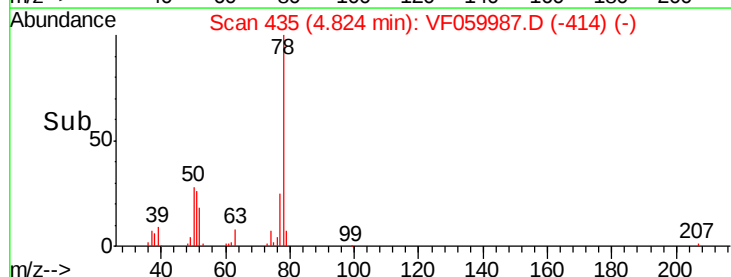
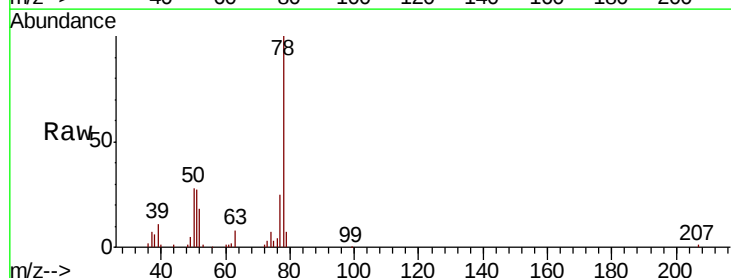
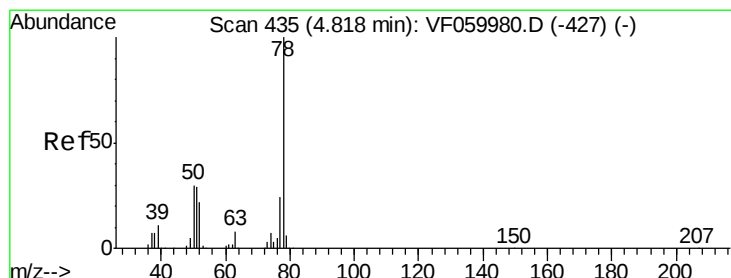
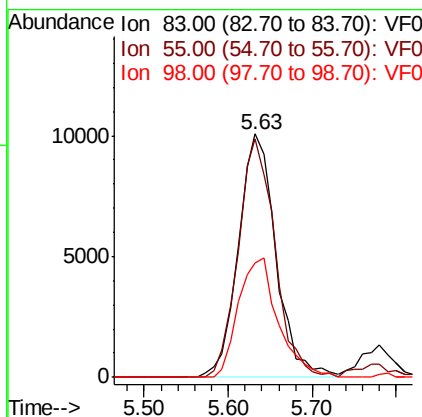
#39
Methvlcvclohexane
Concen: 20.13 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Tot Ion	83	Resp	31439
Ion Ratio	100	Lower	Upper
83	100		
55	97.7	78.8	118.2
98	46.9	36.8	55.2

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

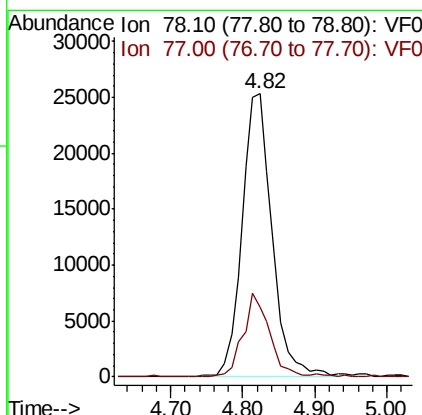
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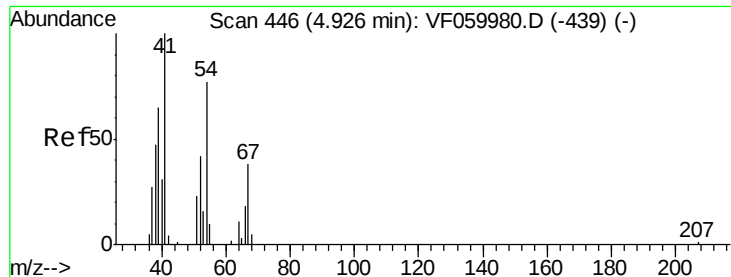
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#40
Benzene
Concen: 20.85 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Tgt Ion	78	Resp	73475
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	19.1	28.7





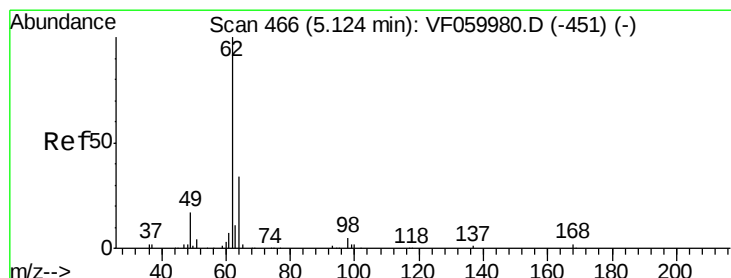
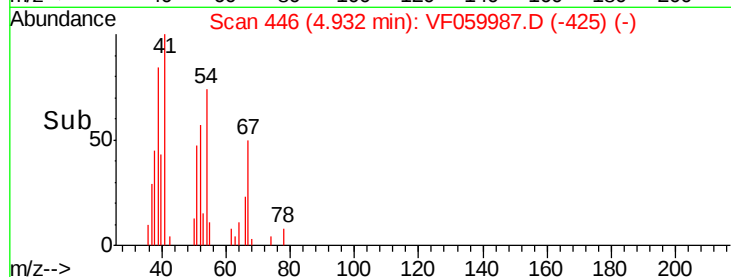
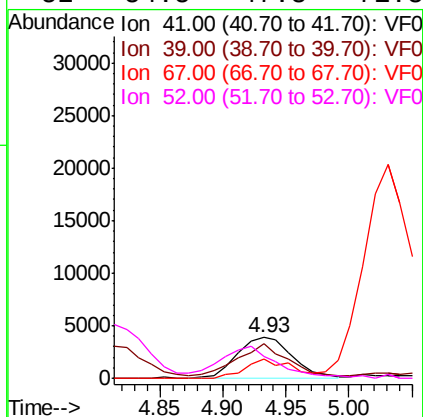
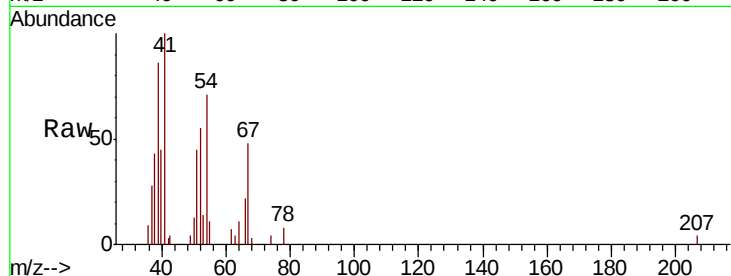
#41
Methacrylonitrile
Concen: 21.32 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	85.7	62.9	94.3
67	47.8	30.4	45.6
52	54.5	47.8	71.8

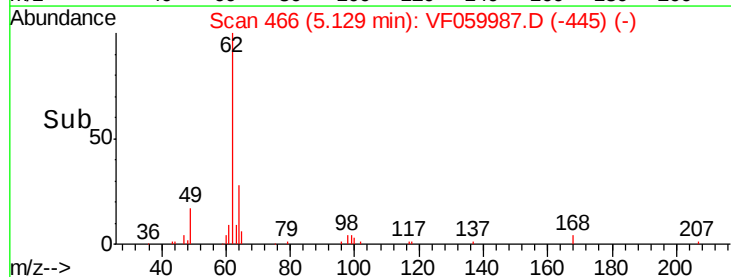
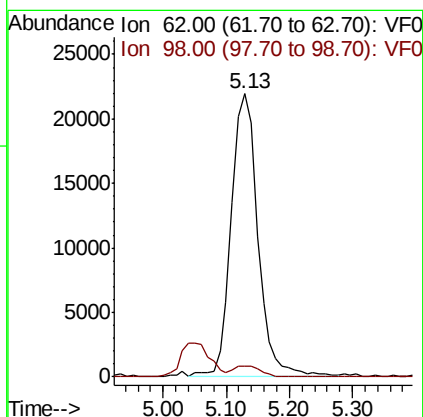
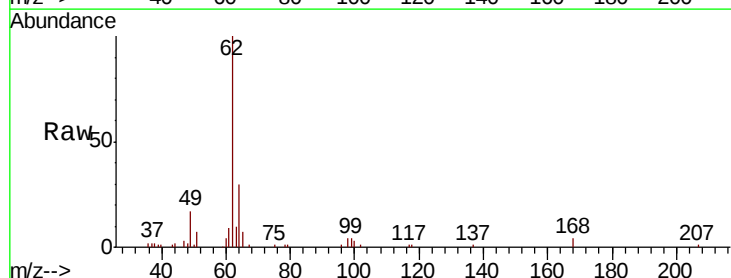
Manual Integrations
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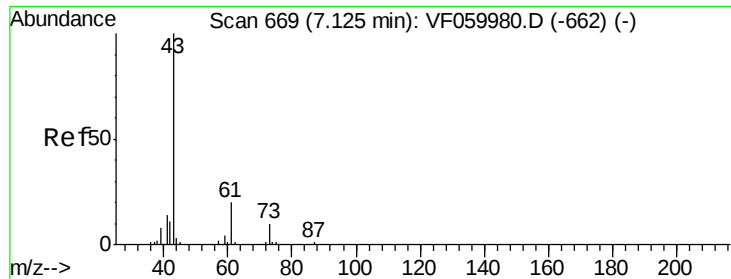
apatel
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#42
1,2-Dichloroethane
Concen: 21.61 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.01 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.0	0.0	9.0





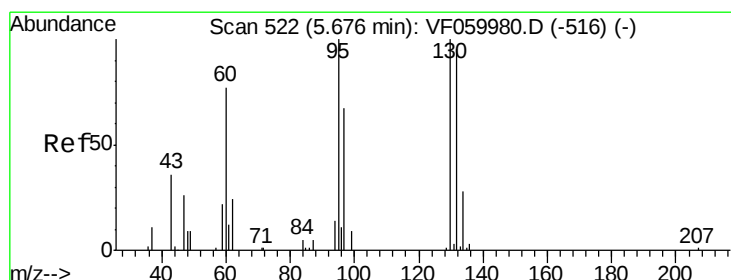
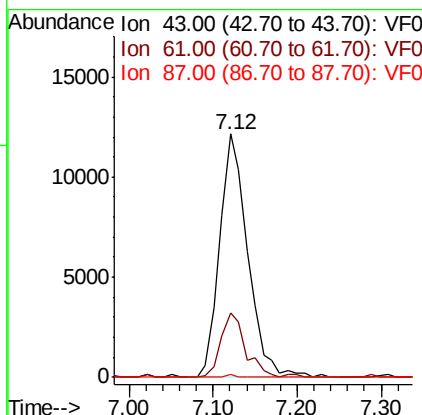
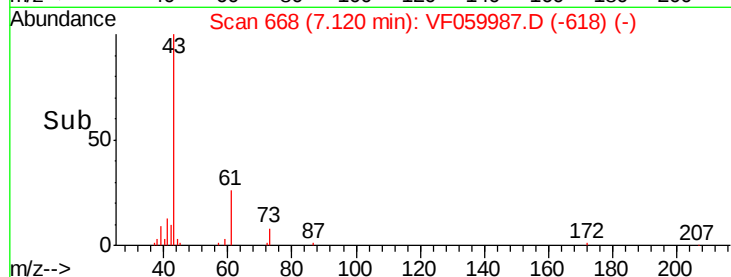
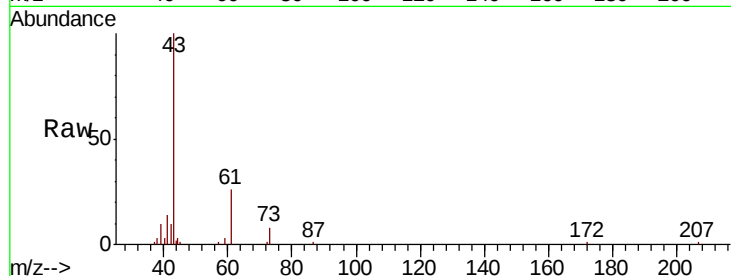
#43
Isopropyl Acetate
Concen: 22.28 ug/l
RT: 7.12 min Scan# 668
Delta R.T. -0.00 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	15.8	23.8#
87	1.0	0.6	0.8#

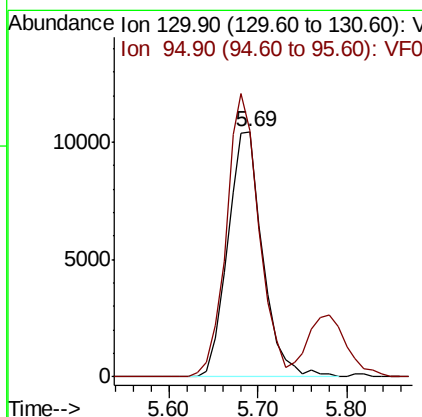
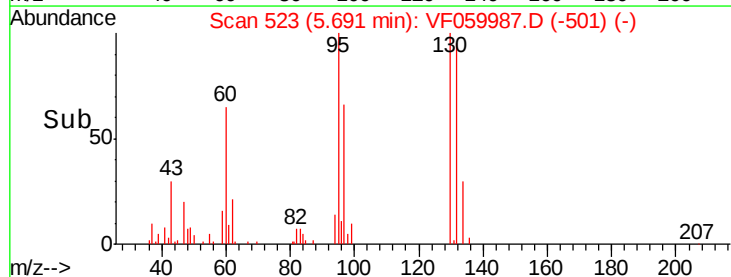
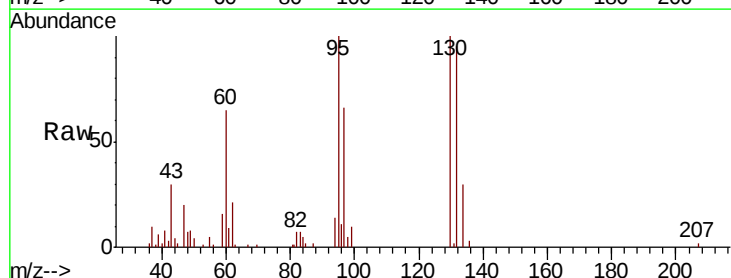
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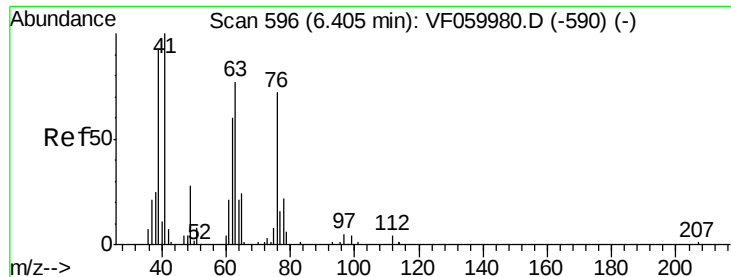
apatel
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#44
Trichloroethene
Concen: 20.81 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.02 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	201.8





#45

1,2-Dichloropropane

Concen: 20.39 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 63 Resp: 20555

Ion Ratio Lower Upper

63 100

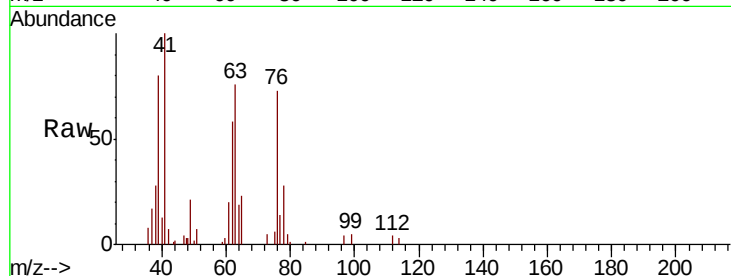
65 29.5 25.0 37.6

Manual Integrations

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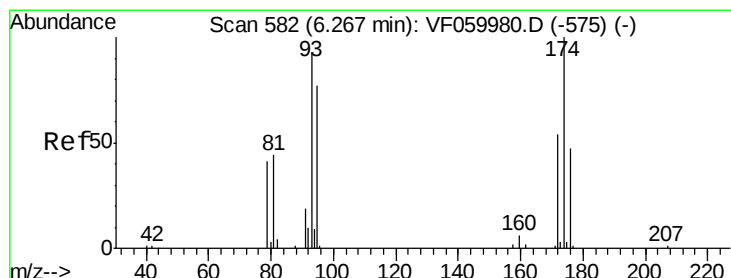
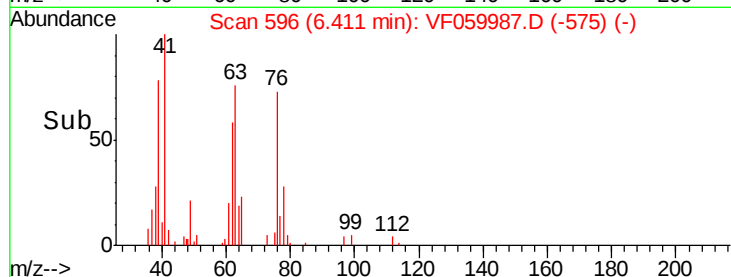
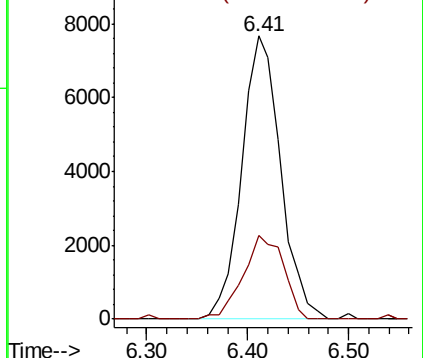
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.53 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

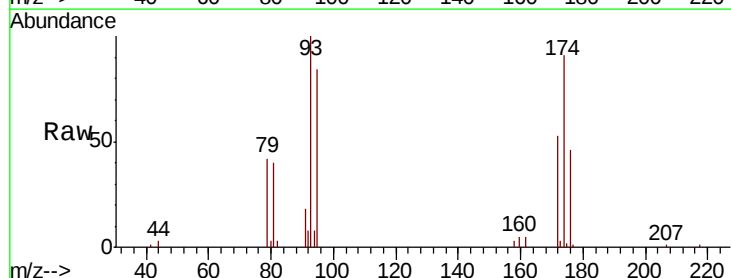
Tgt Ion: 93 Resp: 21404

Ion Ratio Lower Upper

93 100

95 84.0 67.0 100.4

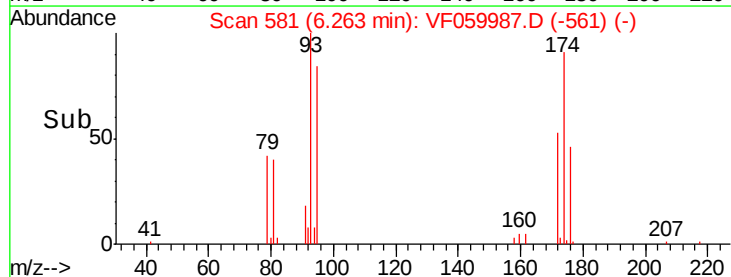
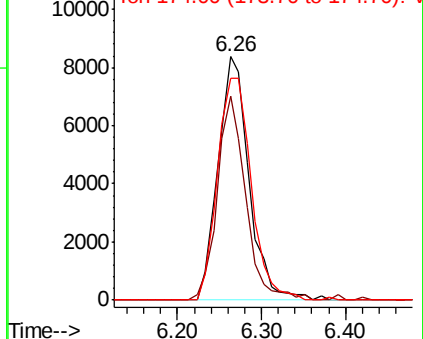
174 92.9 85.7 128.5

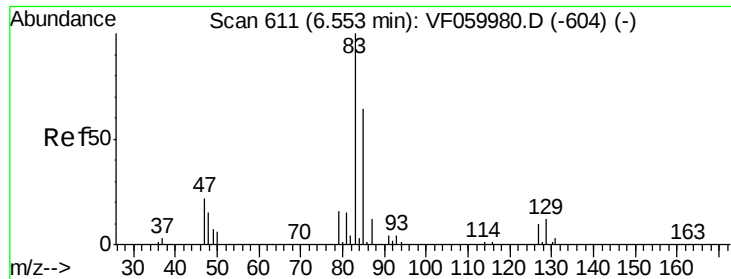


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.83 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

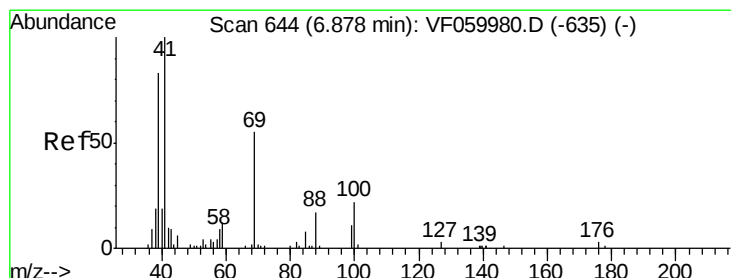
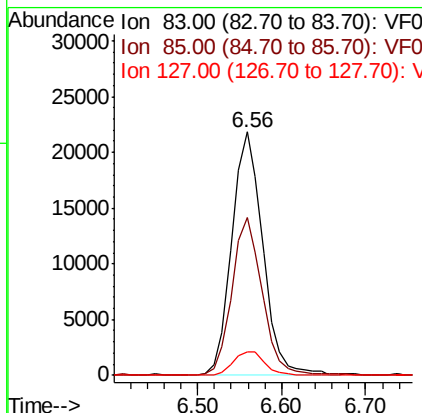
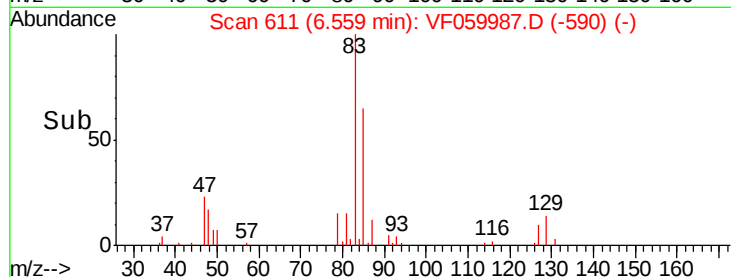
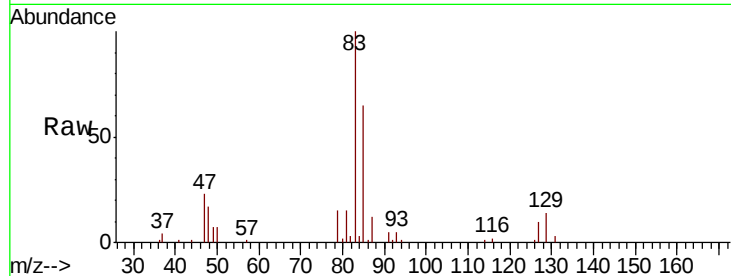
ClientSampleId :

VF0817SBS01

Tot Ion:	83	Resp:	55912
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.4	77.0
127	9.7	8.2	12.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.16 ug/l

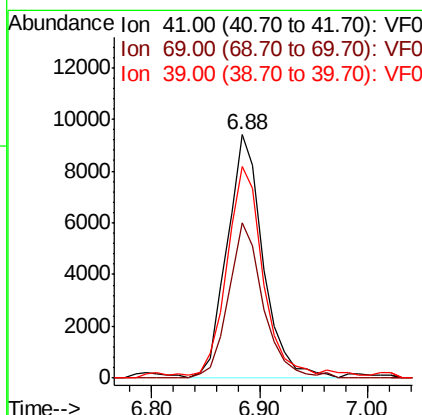
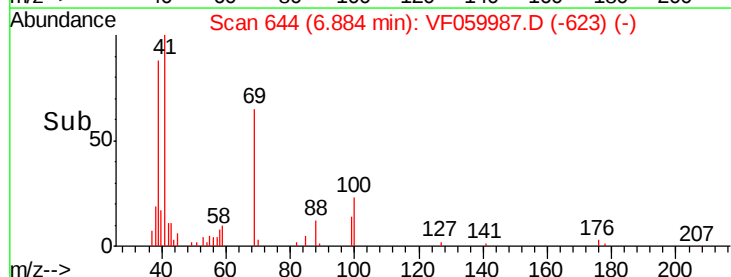
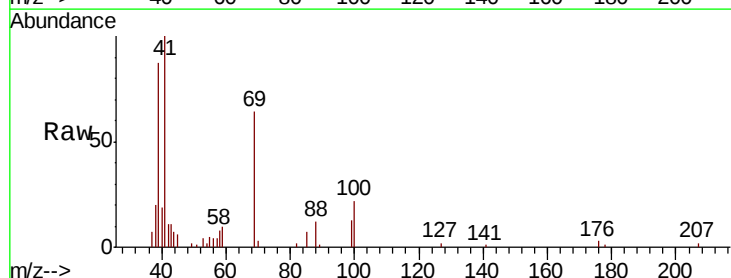
RT: 6.88 min Scan# 644

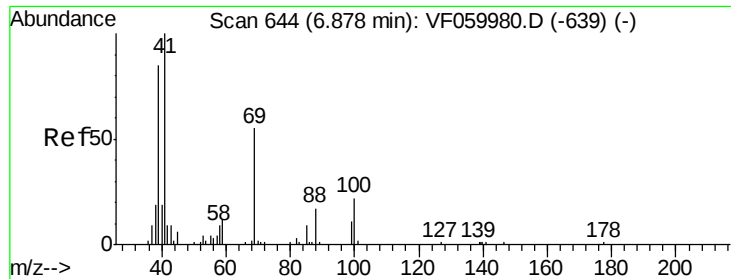
Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion:	41	Resp:	21839
Ion Ratio	Lower	Upper	
41	100		
69	64.0	44.4	66.6
39	86.7	67.8	101.6





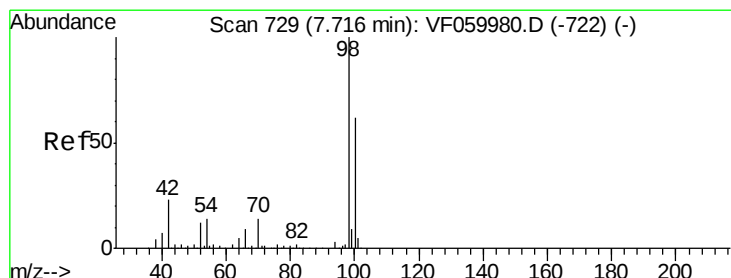
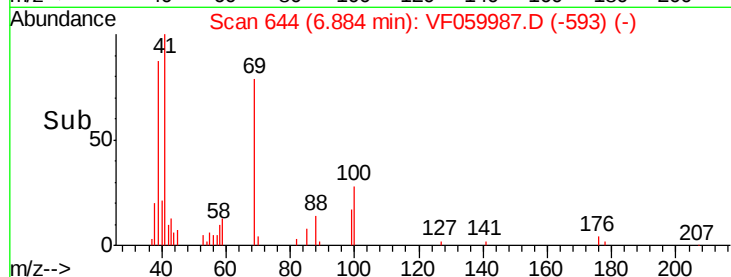
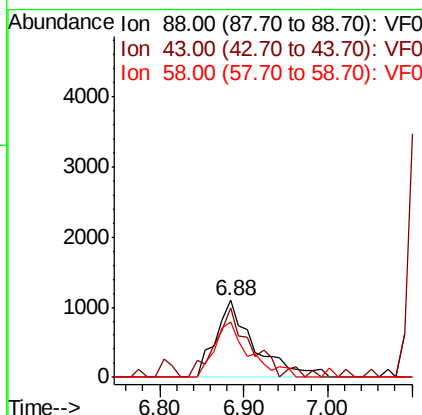
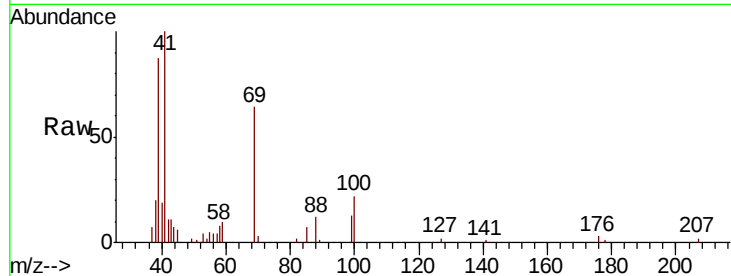
#49
 1,4-Dioxane
 Concen: 458.72 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. 0.01 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	90.3	43.2	64.8#	
58	71.6	42.0	63.0#	

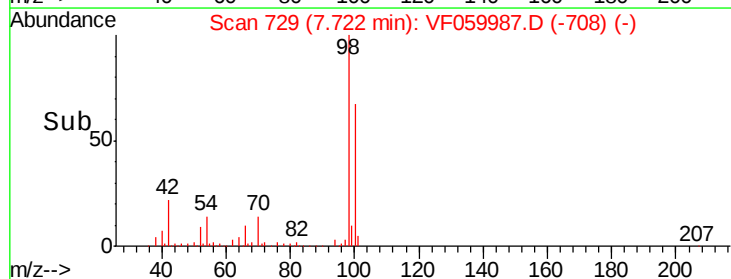
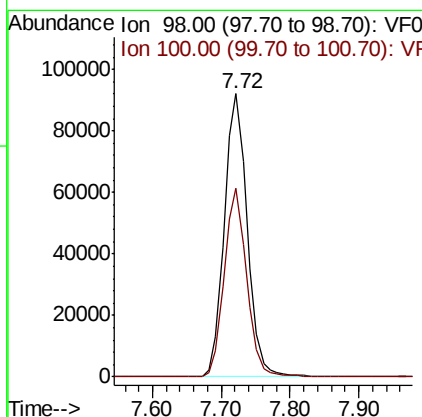
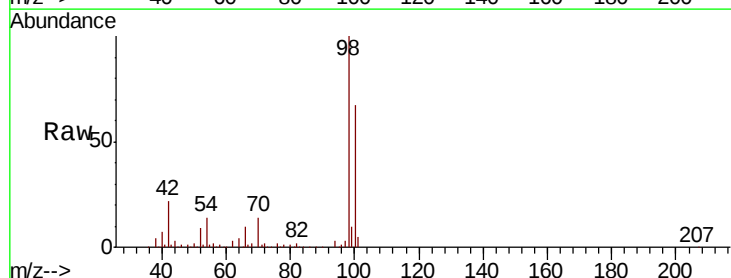
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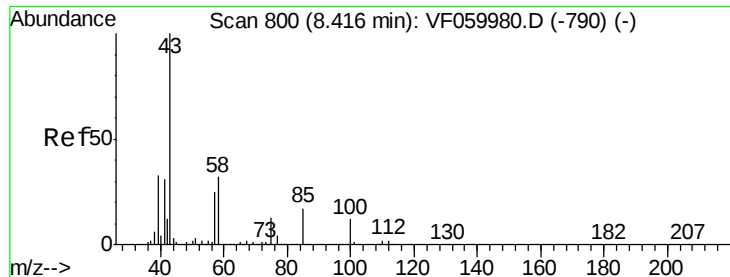
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#50
 Toluene-d8
 Concen: 51.15 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.6	49.8	74.8	





#51

4-Methyl-2-Pentanone

Concen: 122.75 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 43 Resp: 145244

Ion Ratio Lower Upper

43 100

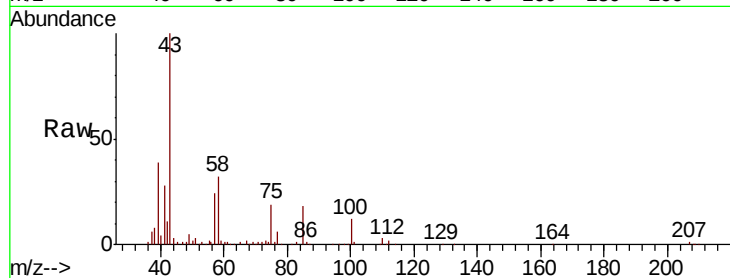
58 31.8 25.6 38.4

Manual Integrations

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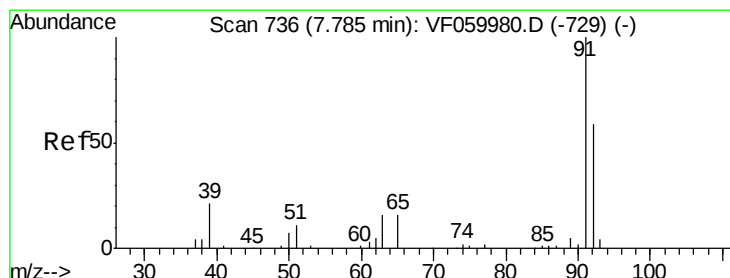
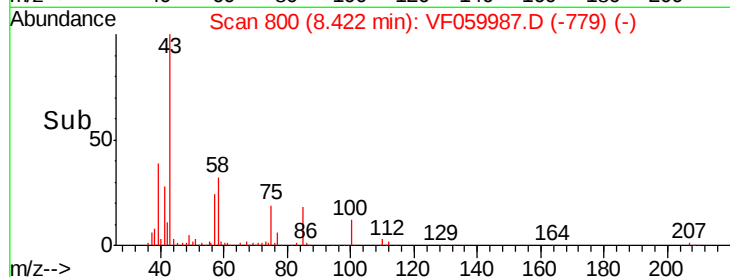
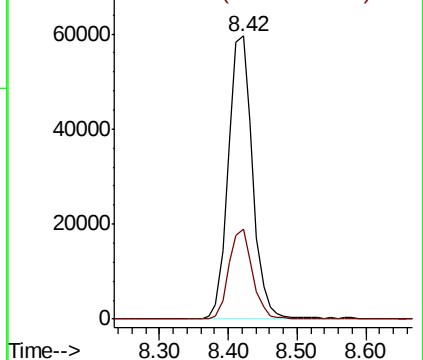
apatel

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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: 20.38 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059987.D

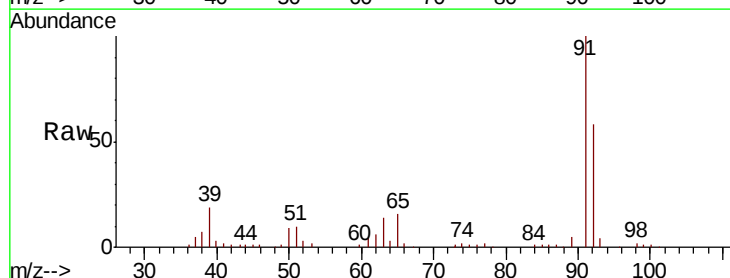
Acq: 17 Aug 2018 22:40

Tgt Ion: 92 Resp: 53745

Ion Ratio Lower Upper

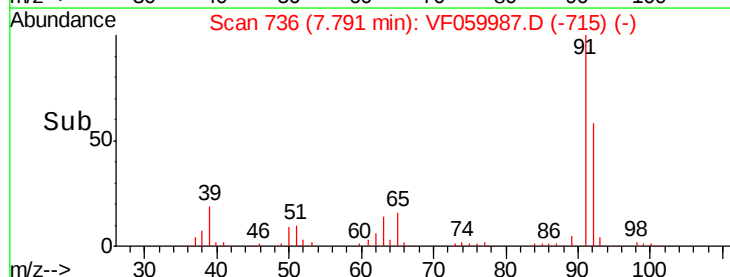
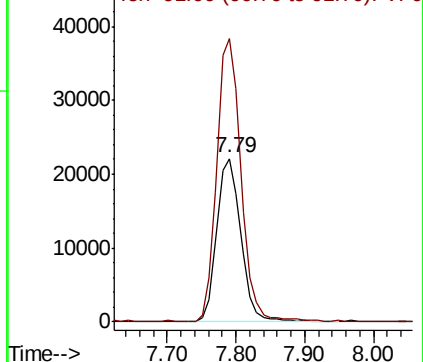
92 100

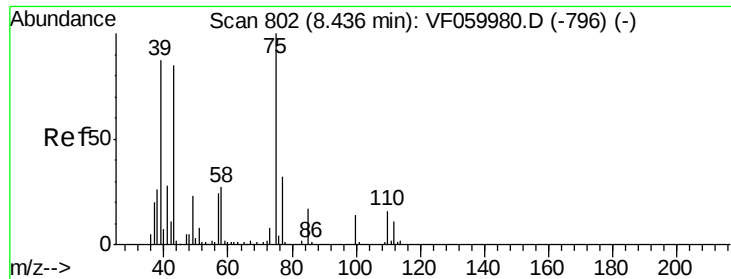
91 173.6 136.5 204.7



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: 21.06 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 75 Resp: 47691

Ion Ratio Lower Upper

75 100

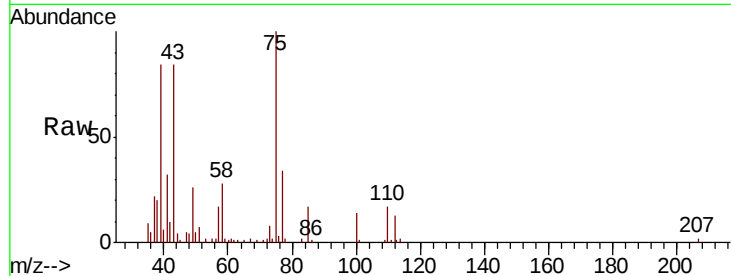
77 33.9 25.8 38.6

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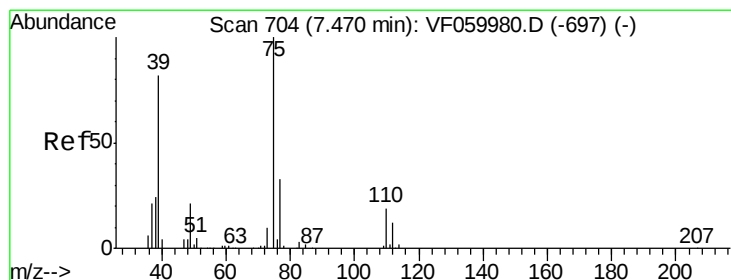
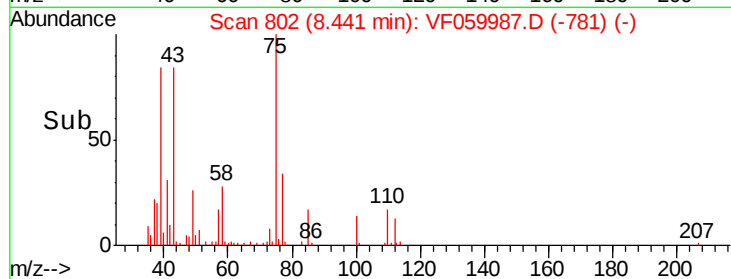
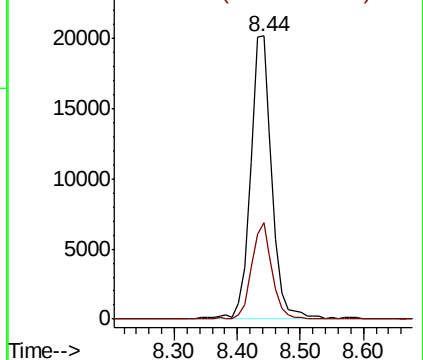
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.98 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

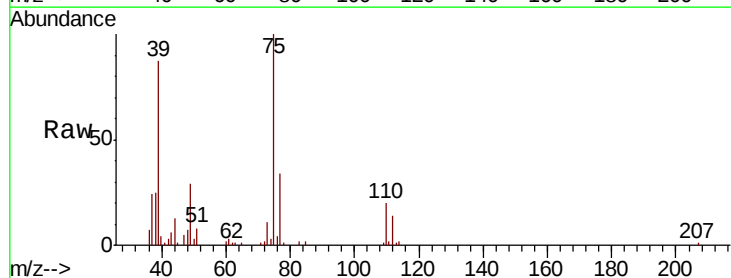
Tgt Ion: 75 Resp: 45853

Ion Ratio Lower Upper

75 100

77 34.3 26.0 39.0

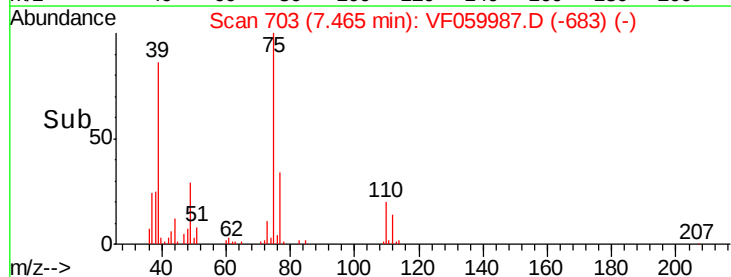
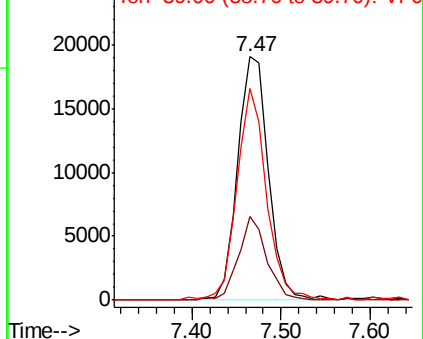
39 86.8 65.3 97.9

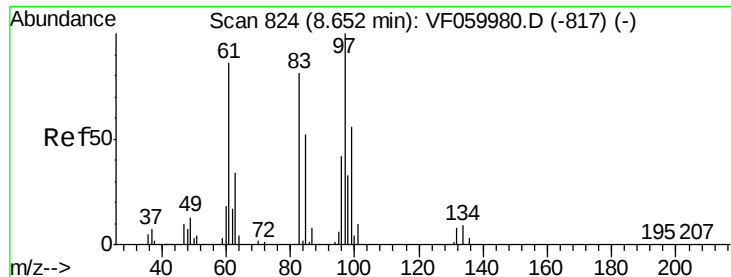


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 20.65 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

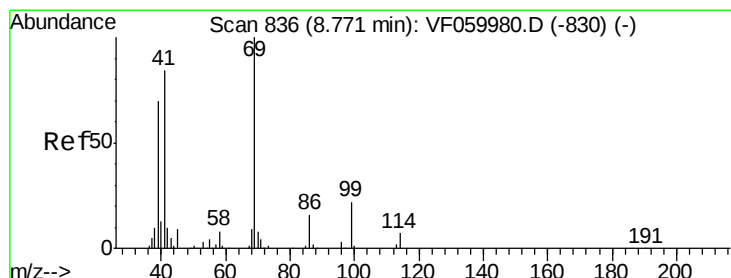
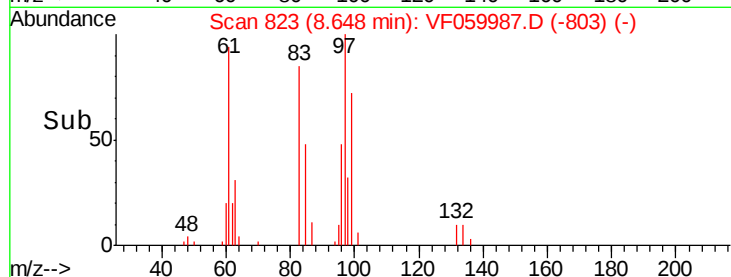
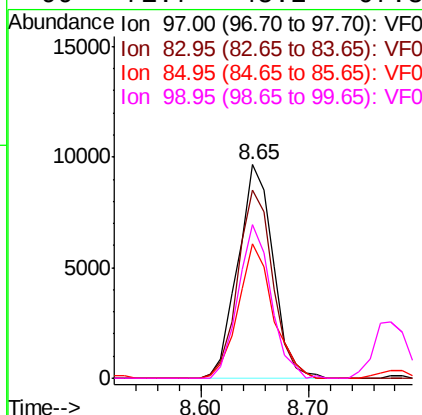
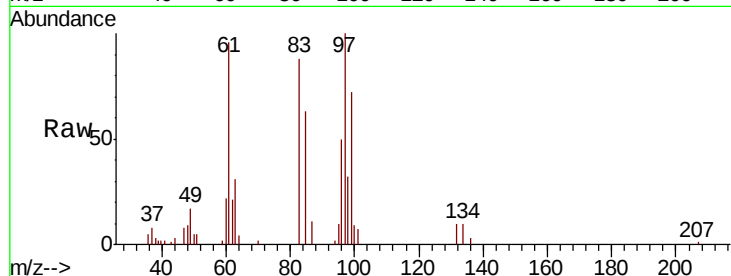
ClientSampleId :

VF0817SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	87.9	64.9	97.3		
85	62.8	41.8	62.6#		
99	71.7	45.2	67.8#		

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#56

Ethyl methacrylate

Concen: 21.89 ug/l

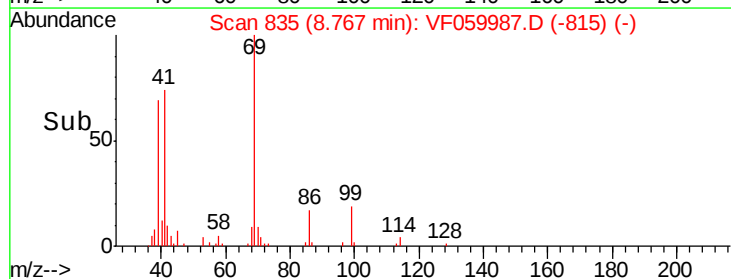
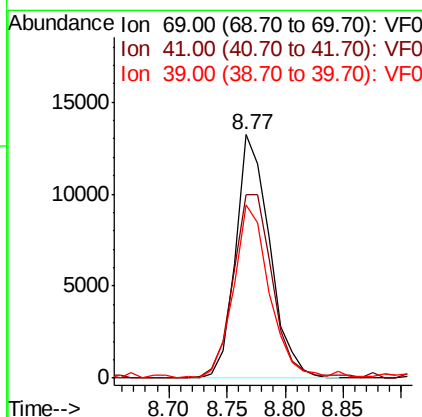
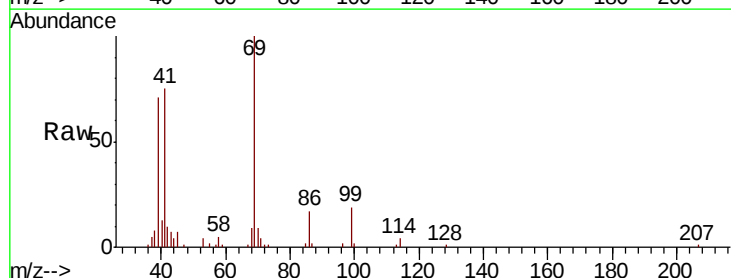
RT: 8.77 min Scan# 835

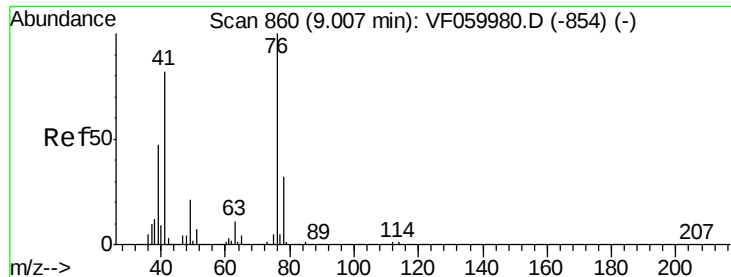
Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	75.2	67.8	101.6		
39	71.0	55.8	83.6		





#57

1,3-Dichloropropane

Concen: 24.58 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 76 Resp: 46358

Ion Ratio Lower Upper

76 100

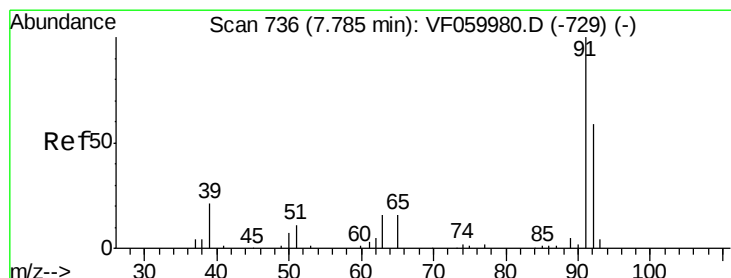
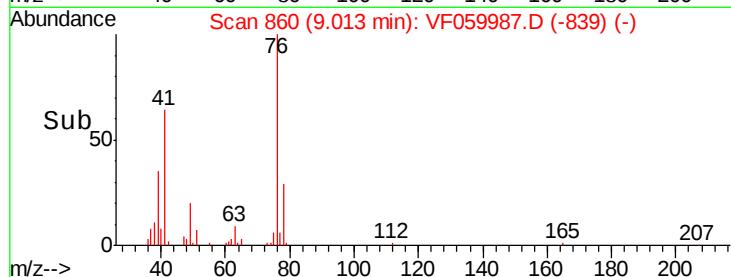
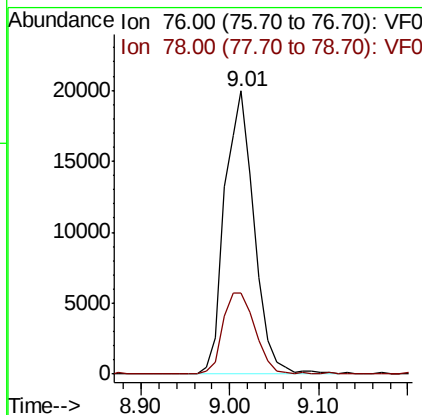
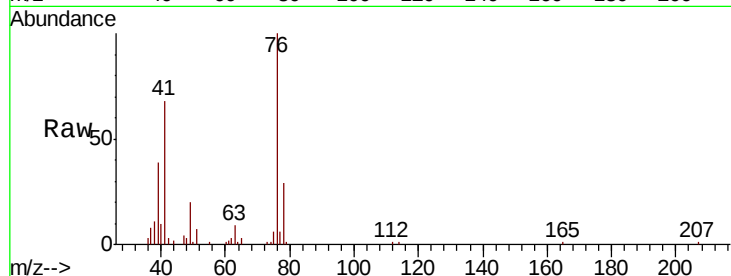
78 28.6 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 123.57 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059987.D

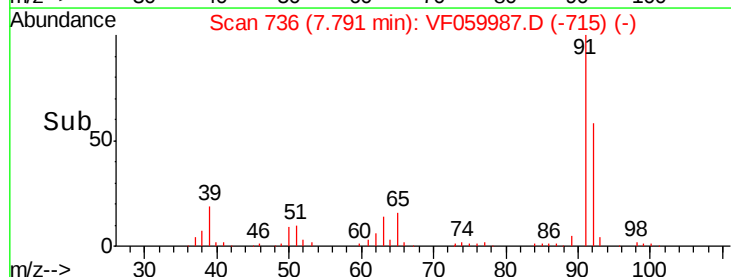
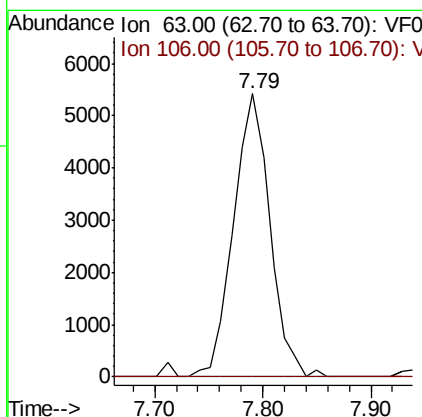
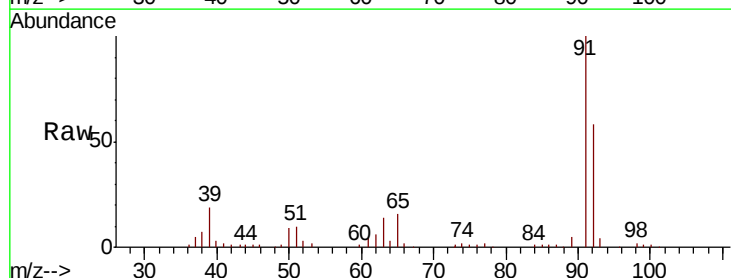
Acq: 17 Aug 2018 22:40

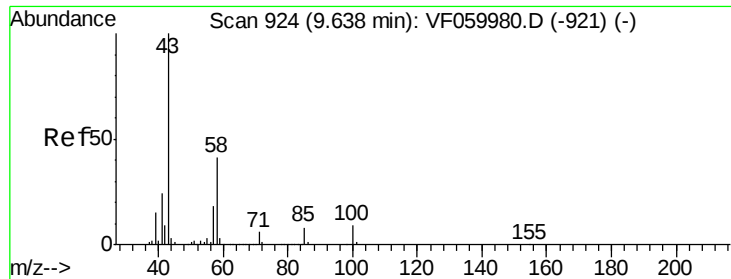
Tgt Ion: 63 Resp: 12706

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





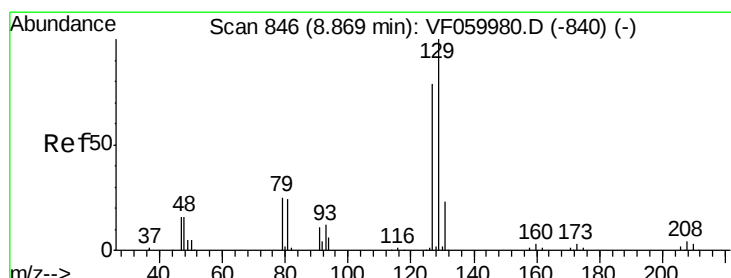
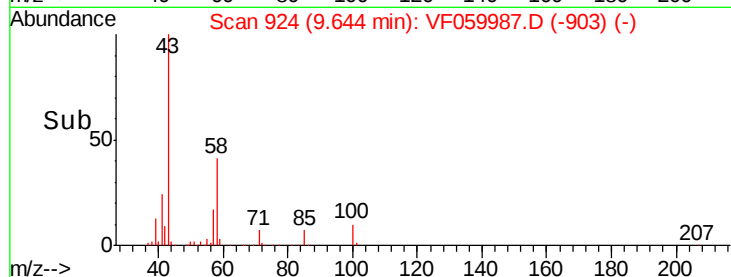
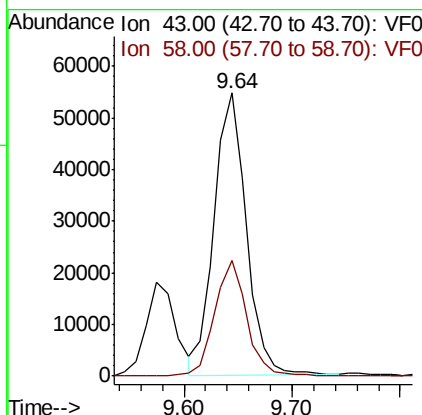
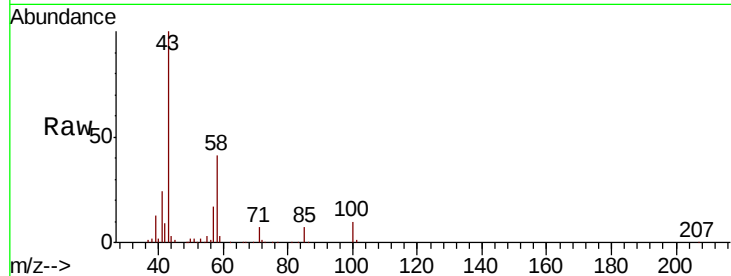
#59
2-Hexanone
Concen: 115.45 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	20.1	60.3

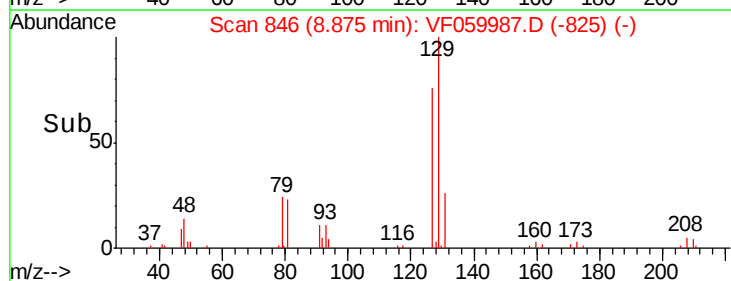
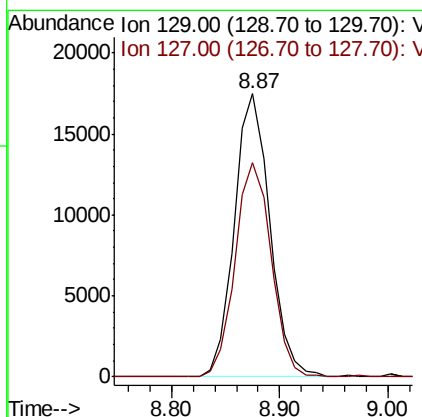
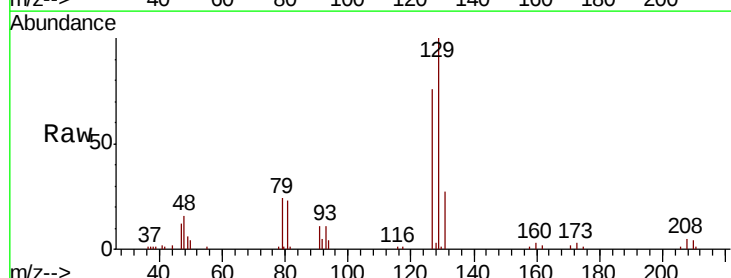
Manual Integrations
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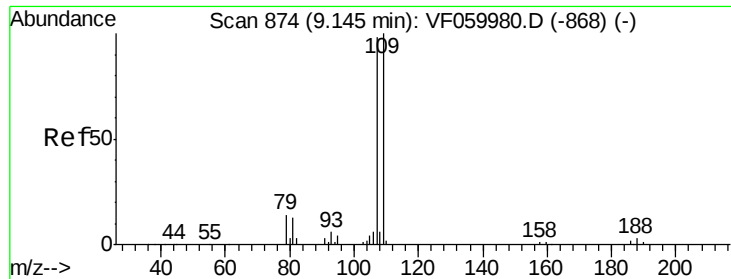
apatel
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#60
Dibromochloromethane
Concen: 20.67 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	39.5	118.5





#61

1,2-Dibromoethane

Concen: 22.51 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion:107 Resp: 29723

Ion Ratio Lower Upper

107 100

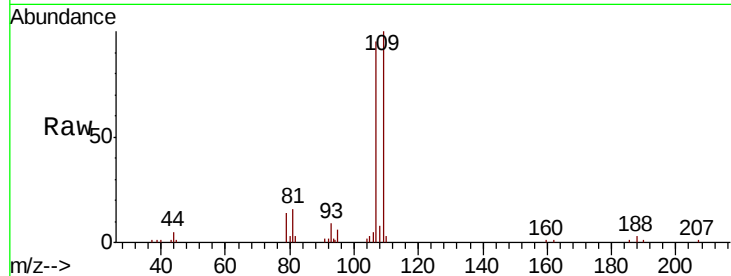
109 105.4 81.7 122.5

Manual Integrations

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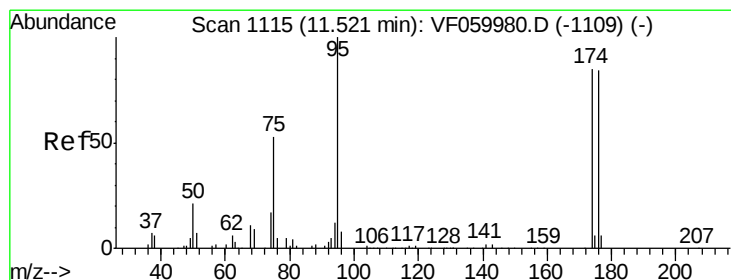
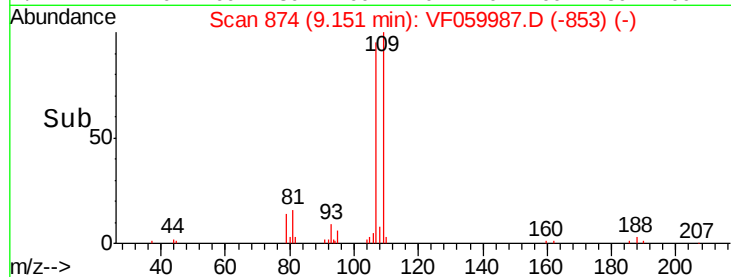
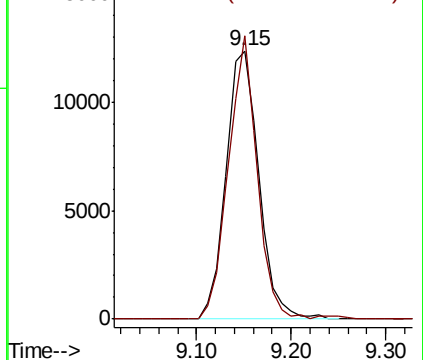
apatel

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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: 49.63 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

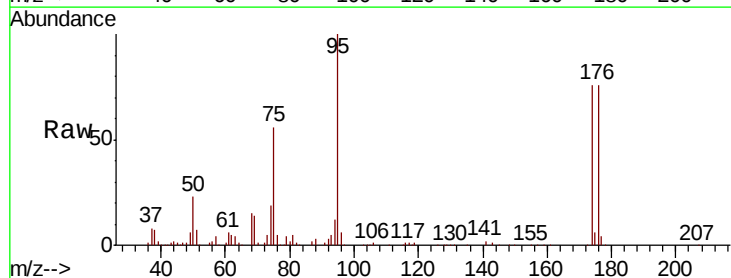
Tgt Ion: 95 Resp: 126545

Ion Ratio Lower Upper

95 100

174 75.7 0.0 169.8

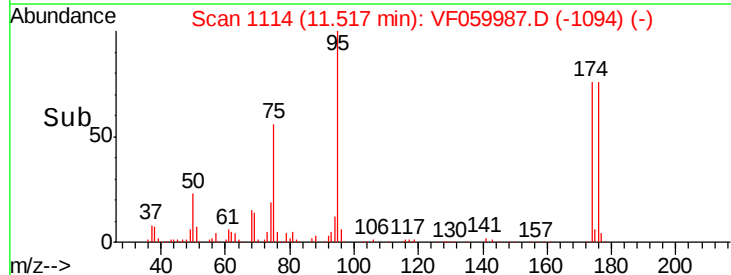
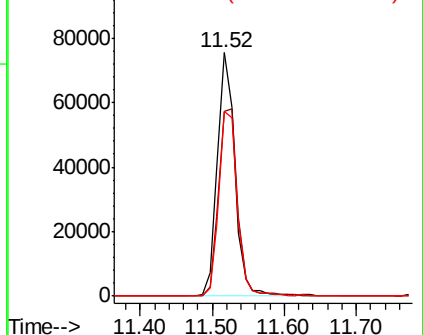
176 76.0 0.0 167.8

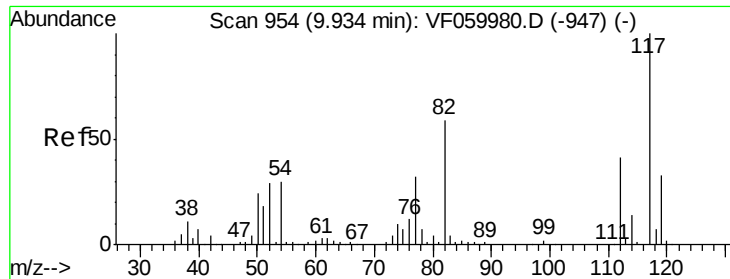


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





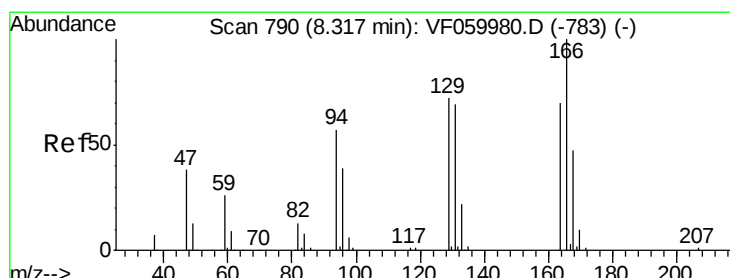
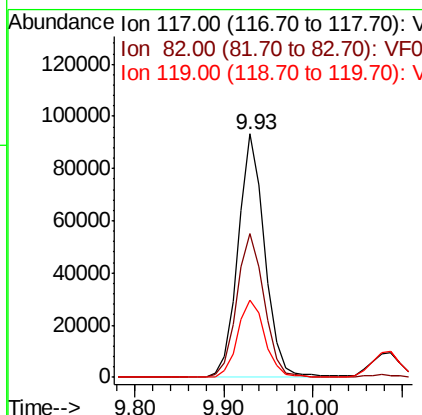
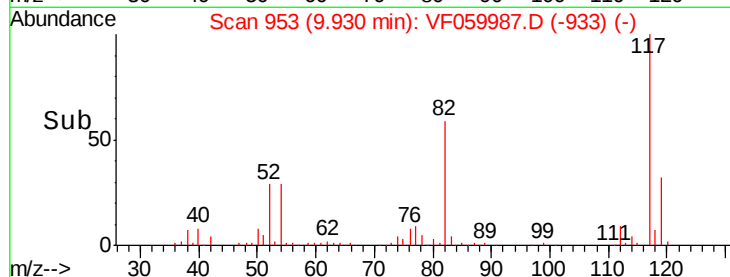
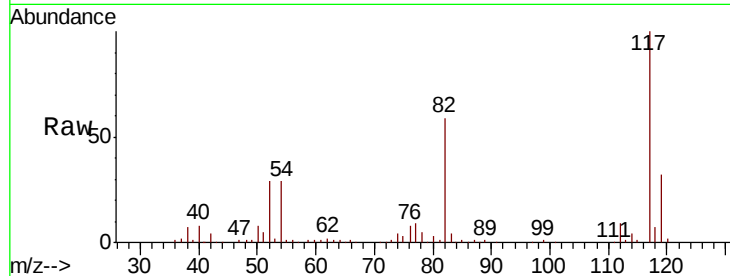
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.2	70.8
119	31.9	26.1	39.1

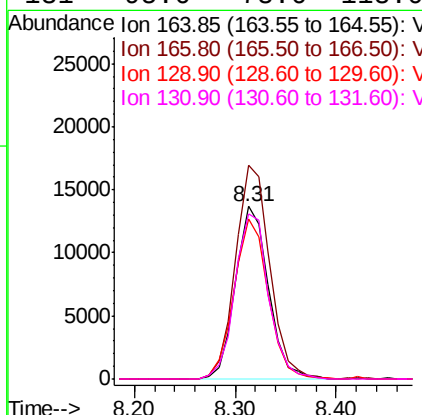
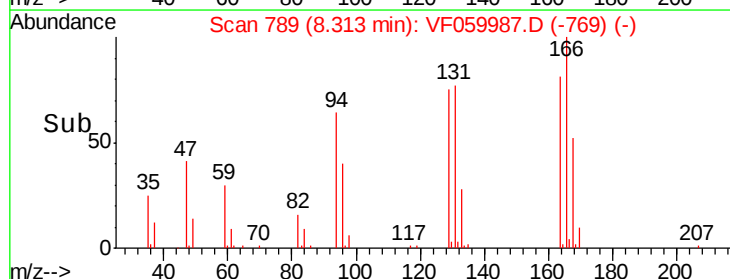
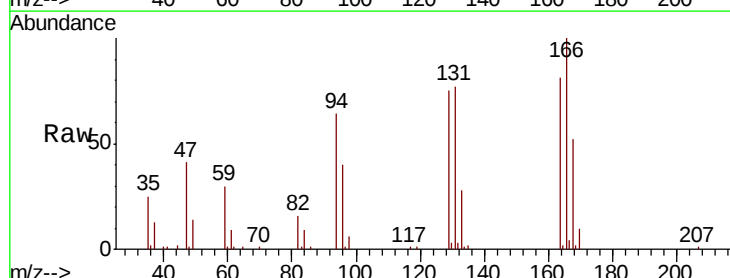
Manual Integrations
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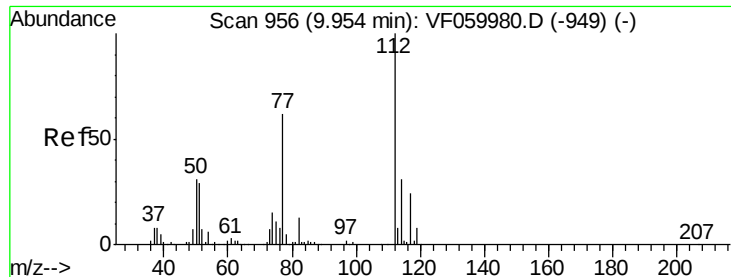
apatel
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#64
Tetrachloroethene
Concen: 21.06 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	114.5	171.7
129	92.8	82.3	123.5
131	95.6	78.6	118.0





#65

Chlorobenzene

Concen: 20.03 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion:112 Resp: 76639

Ion Ratio Lower Upper

112 100

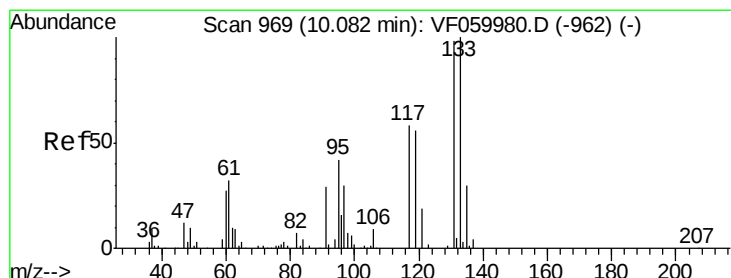
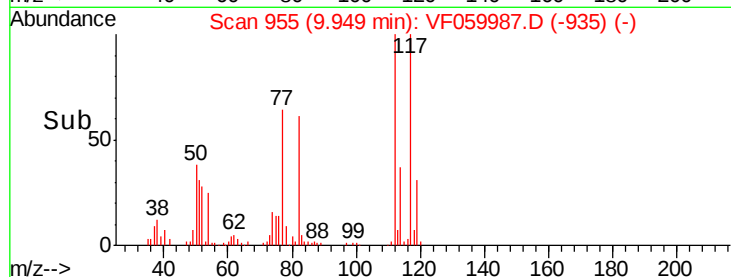
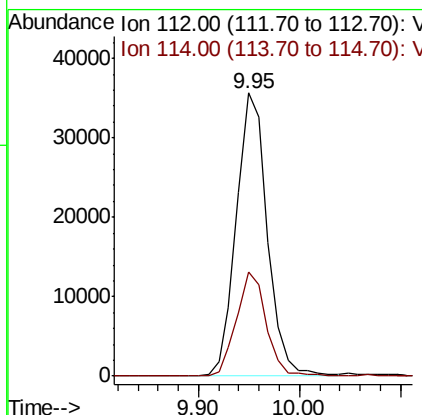
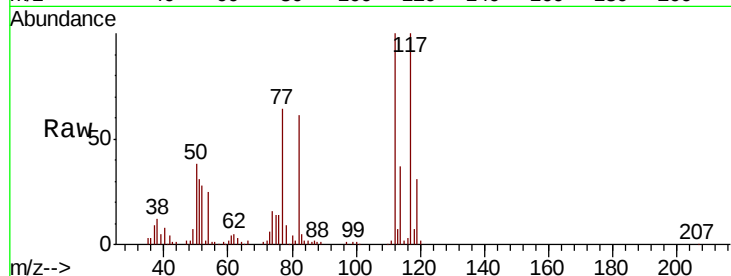
114 36.9 25.0 37.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.17 ug/l

RT: 10.09 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

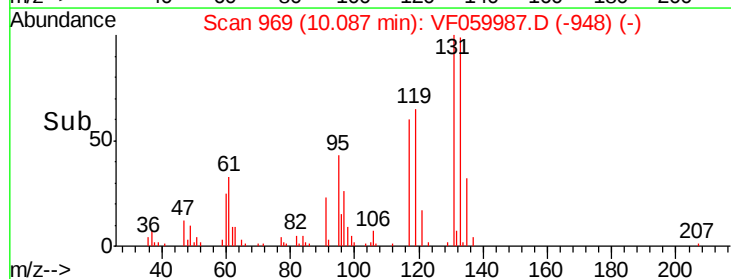
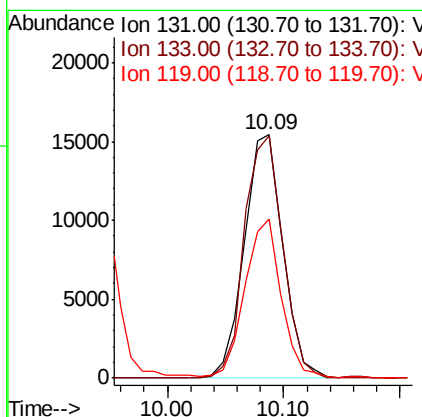
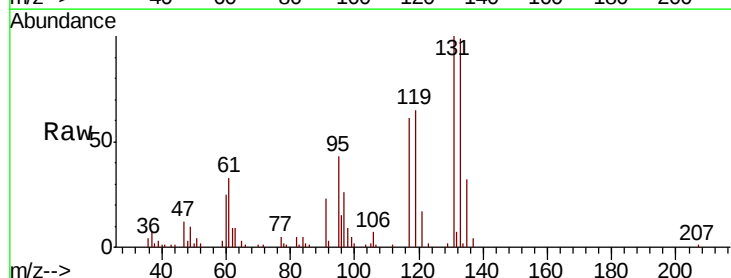
Tgt Ion:131 Resp: 35507

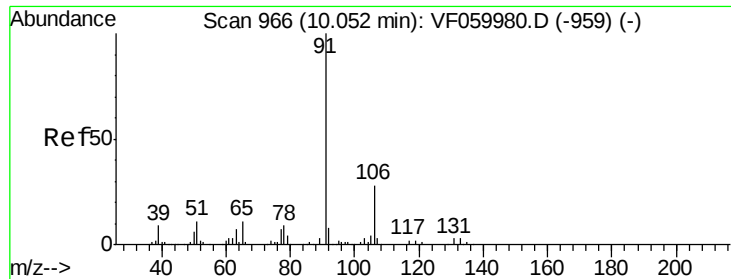
Ion Ratio Lower Upper

131 100

133 99.3 51.1 153.3

119 65.3 29.0 87.1





#67

Ethyl Benzene

Concen: 20.57 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 91 Resp: 142893

Ion Ratio Lower Upper

91 100

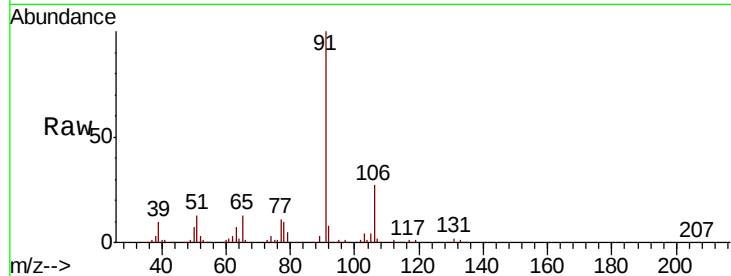
106 27.4 22.0 33.0

Manual Integrations

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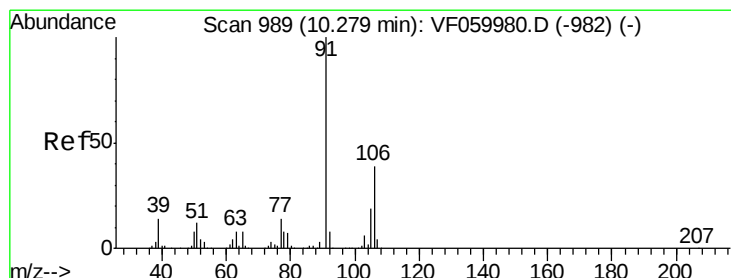
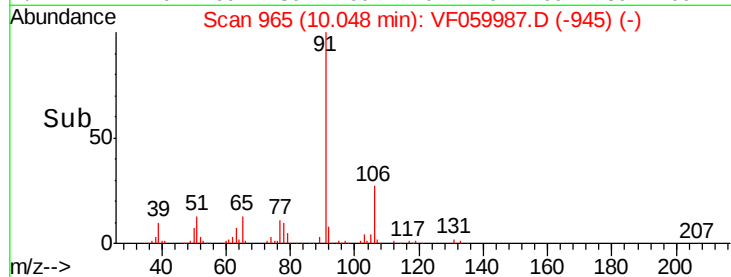
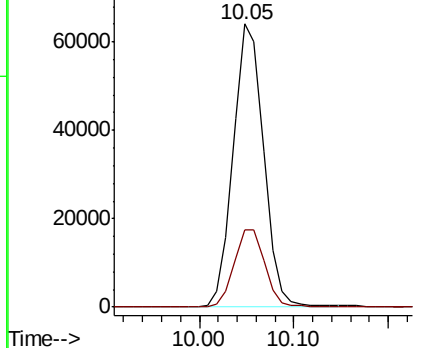
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.86 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF059987.D

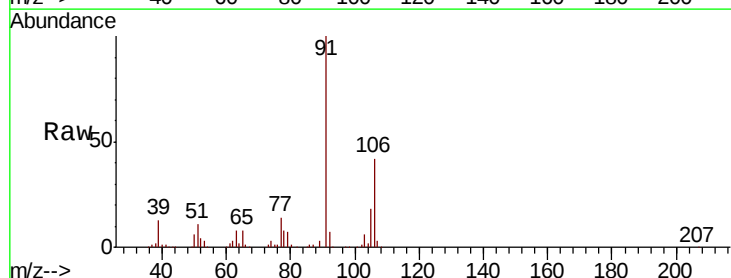
Acq: 17 Aug 2018 22:40

Tgt Ion:106 Resp: 100756

Ion Ratio Lower Upper

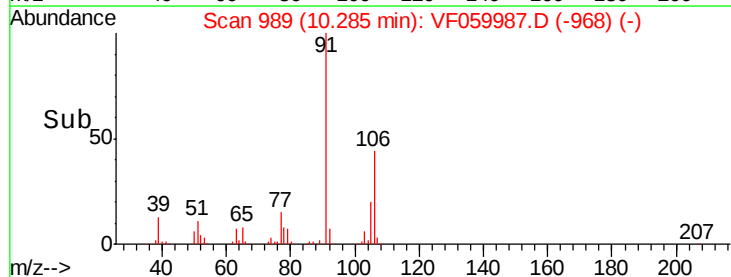
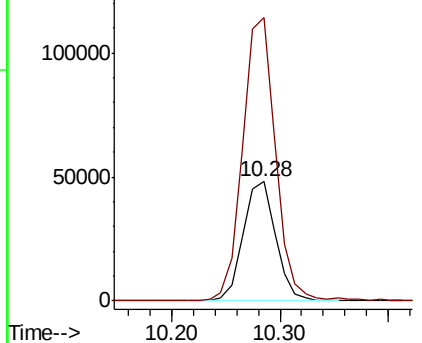
106 100

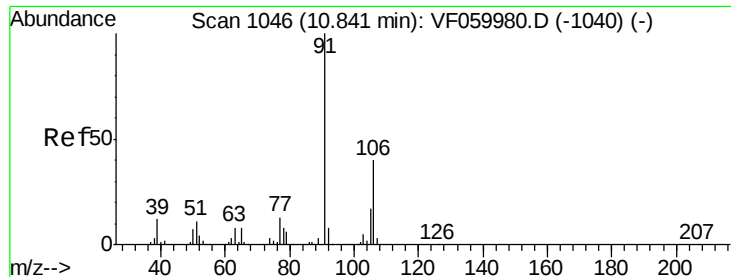
91 237.1 203.5 305.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#69

o-Xylene

Concen: 20.67 ug/l

RT: 10.84 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion:106 Resp: 51012

Ion Ratio Lower Upper

106 100

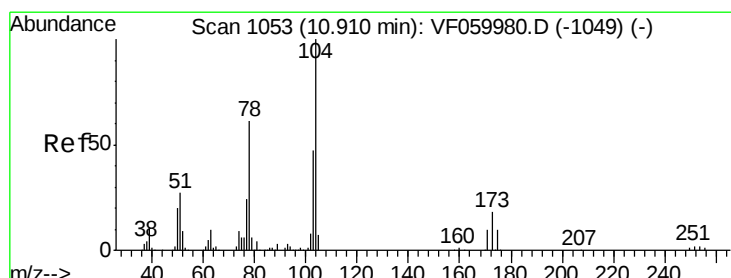
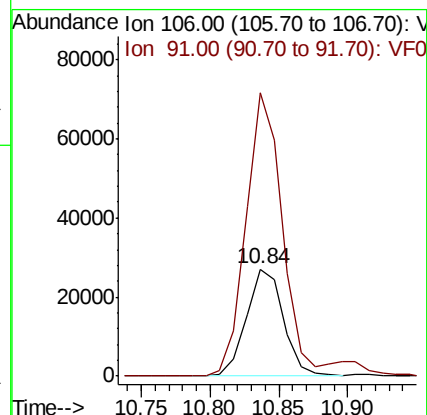
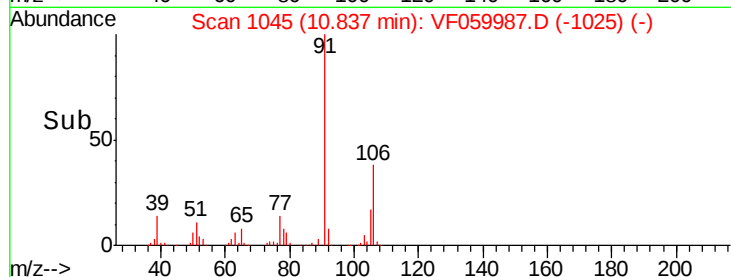
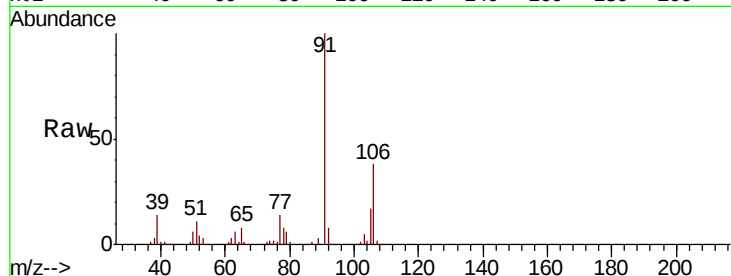
91 264.6 125.4 376.2

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#70

Styrene

Concen: 21.13 ug/l

RT: 10.92 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

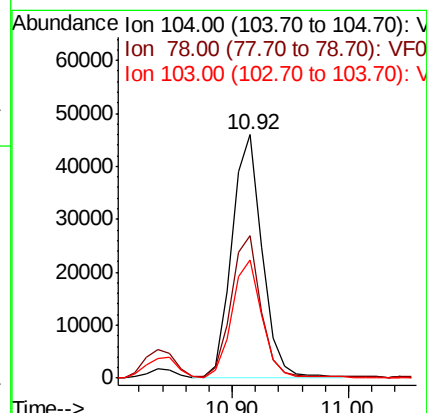
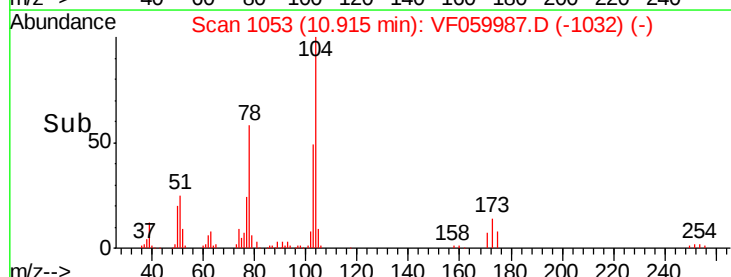
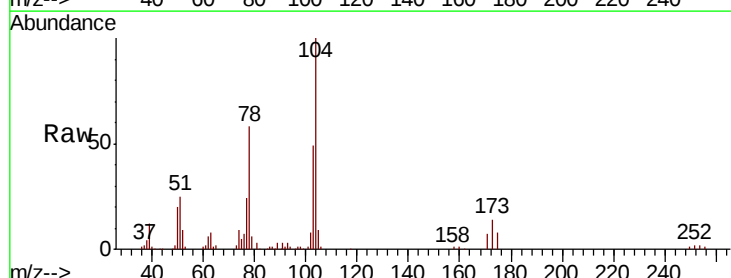
Tgt Ion:104 Resp: 83528

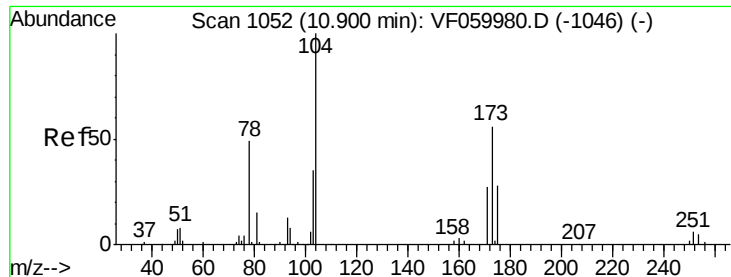
Ion Ratio Lower Upper

104 100

78 58.3 49.0 73.6

103 48.6 38.2 57.4





#71

Bromoform

Concen: 21.80 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion:173 Resp: 28368

Ion Ratio Lower Upper

173 100

175 45.3 24.8 74.3

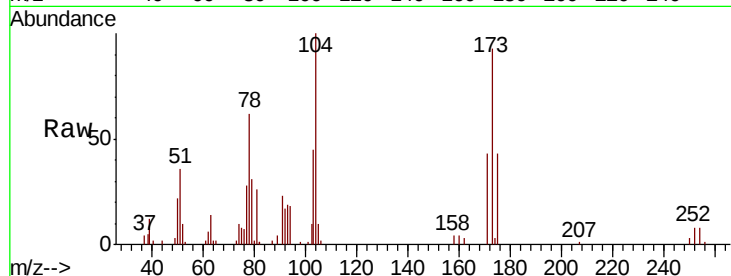
254 0.0 0.0 0.0

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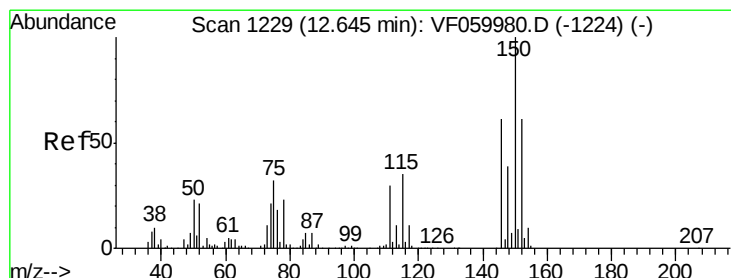
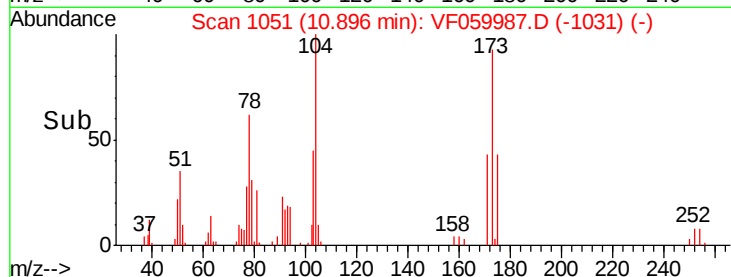
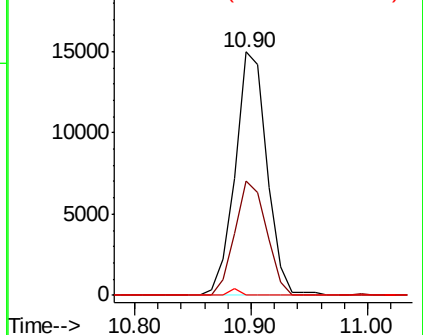
8/20/2018 11:49:08 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

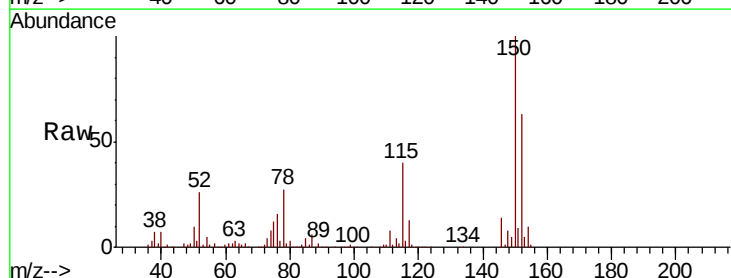
Tgt Ion:152 Resp: 132431

Ion Ratio Lower Upper

152 100

115 62.3 29.1 87.3

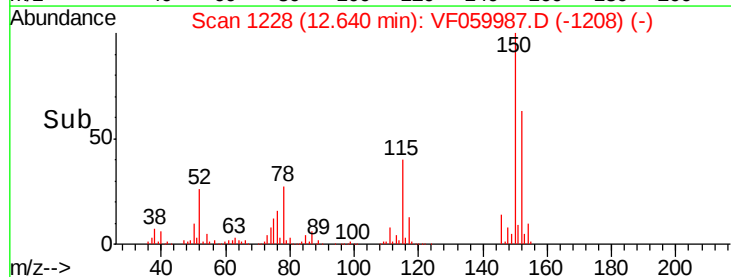
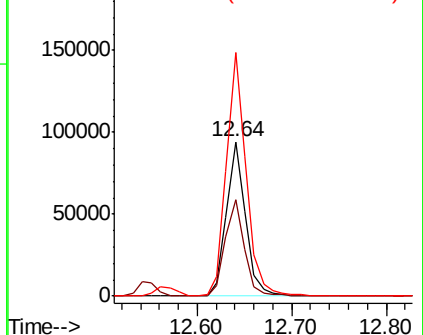
150 157.6 0.0 330.2

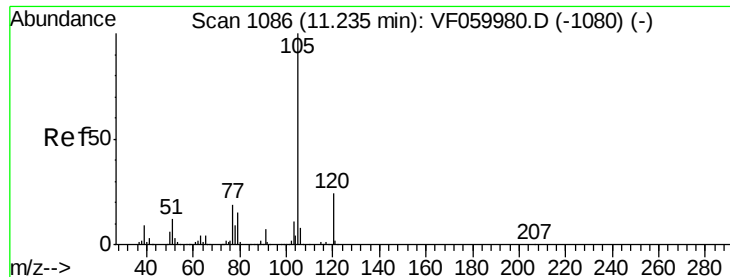


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.26 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion:105 Resp: 168789

Ion Ratio Lower Upper

105 100

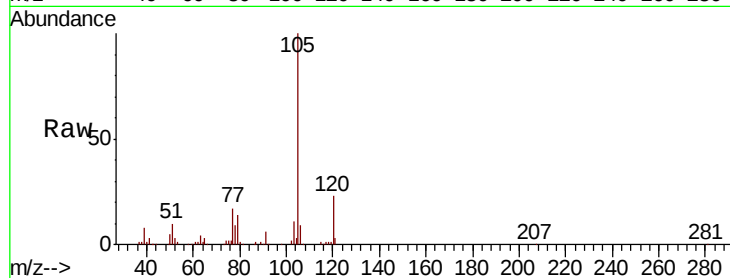
120 22.9 11.9 35.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

100000

80000

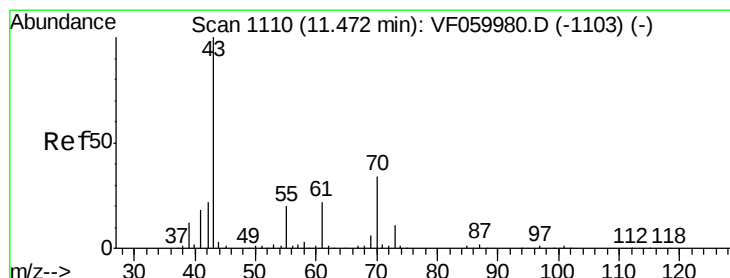
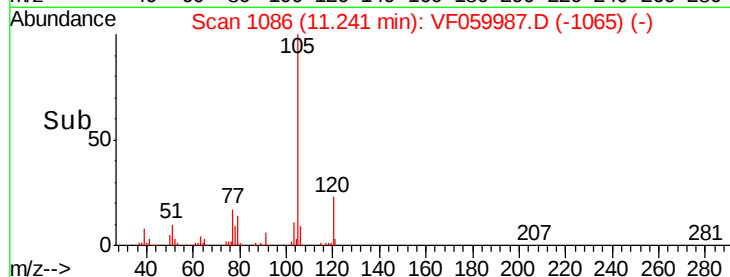
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 23.22 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion: 43 Resp: 52302

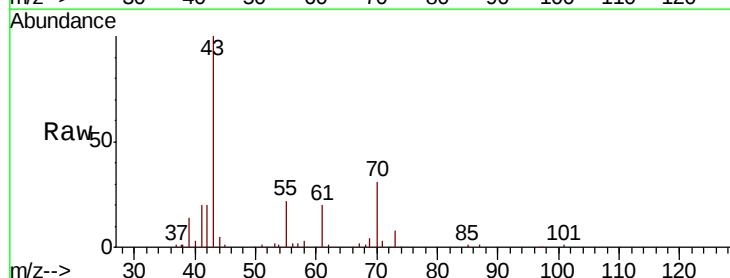
Ion Ratio Lower Upper

43 100

70 30.6 27.2 40.8

55 22.4 16.4 24.6

61 20.3 17.6 26.4



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

11.47

50000

40000

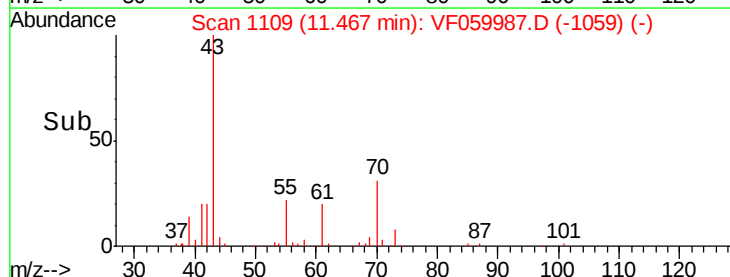
30000

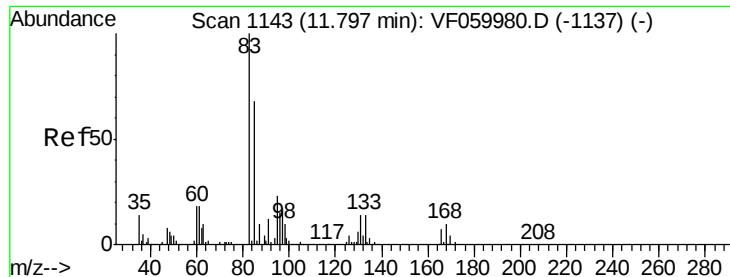
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.34 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

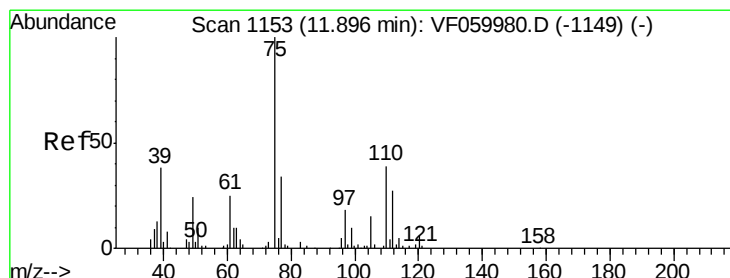
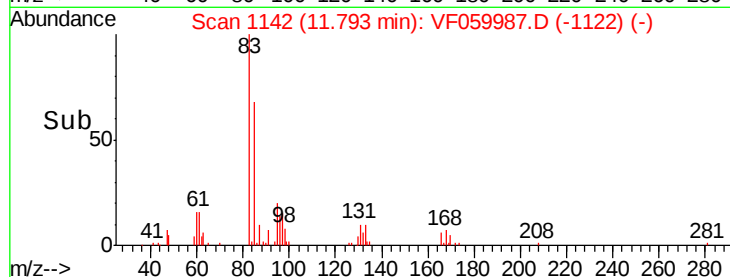
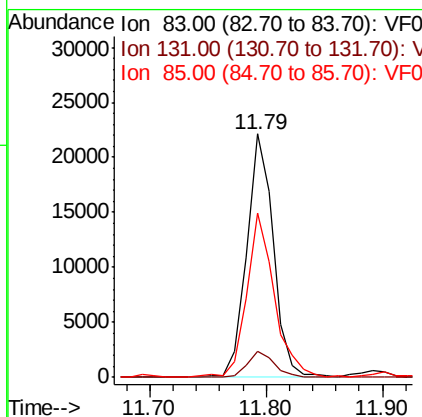
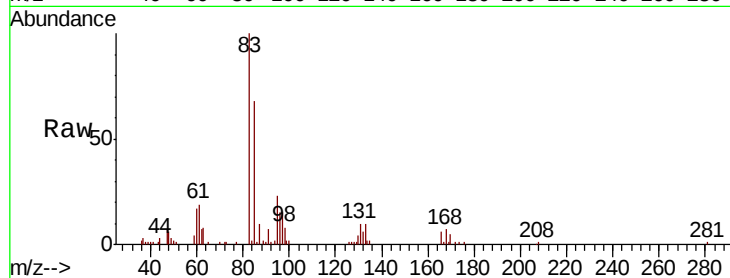
ClientSampleId :

VF0817SBS01

Tot Ion	83	Resp	34828
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	7.2	21.6
85	67.6	34.1	102.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.59 ug/l

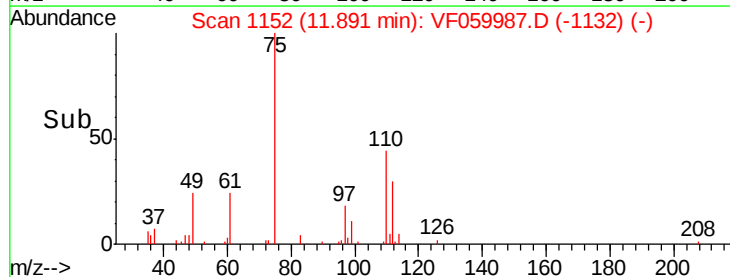
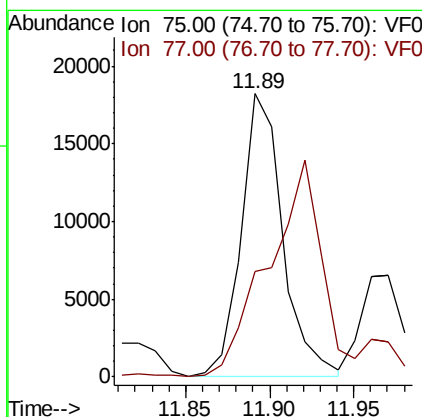
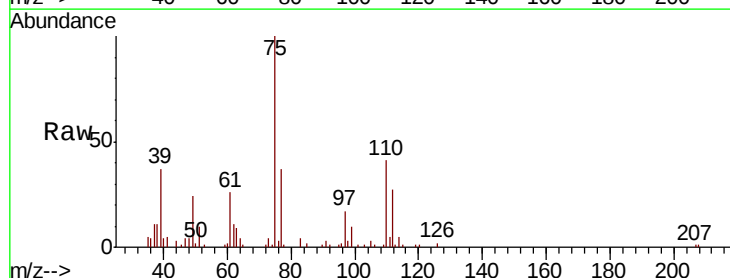
RT: 11.89 min Scan# 1152

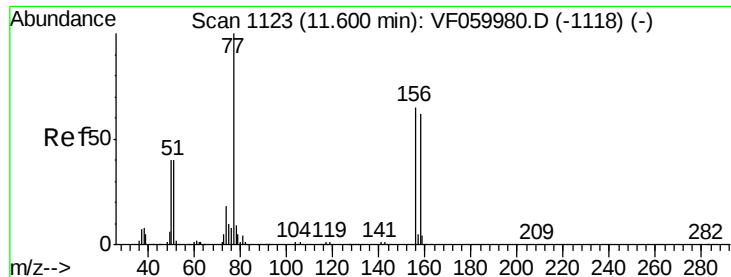
Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion	75	Resp	31188
Ion Ratio	100	Lower	Upper
75	100		
77	37.2	17.1	51.3





#77

Bromobenzene

Concen: 21.48 ug/l

RT: 11.61 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

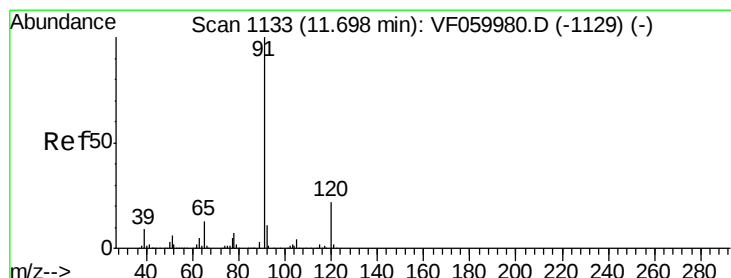
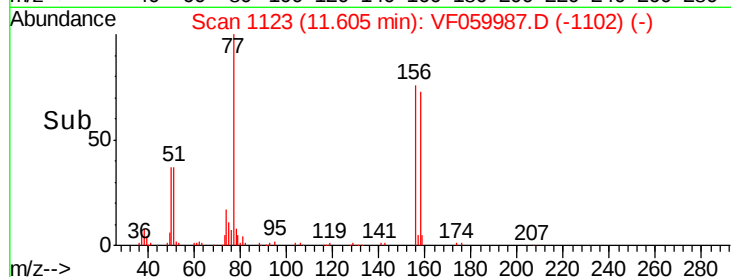
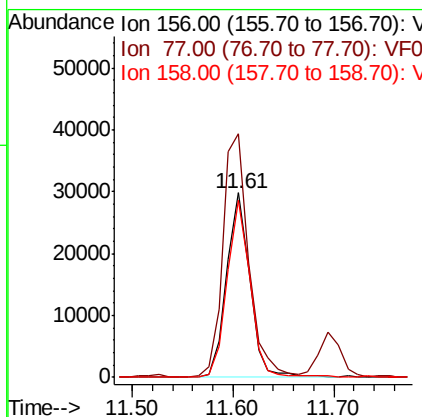
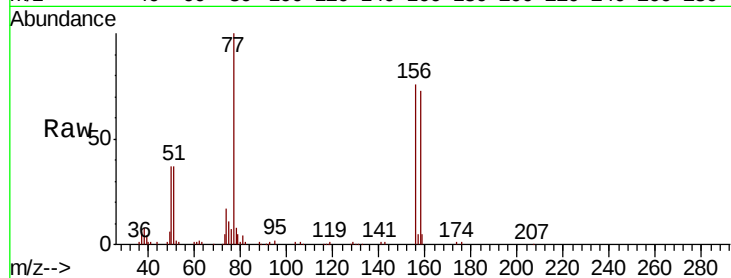
ClientSampleId :

VF0817SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.1	76.9	230.7
158	96.0	47.7	143.1

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#78

n-propylbenzene

Concen: 20.71 ug/l

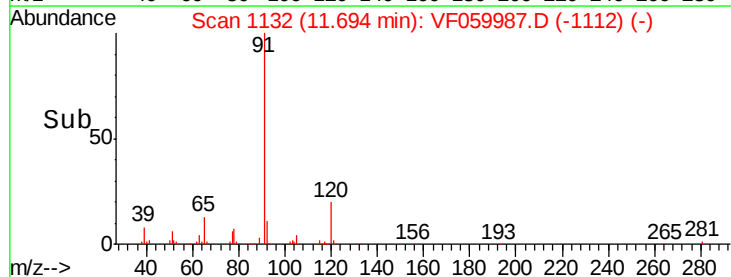
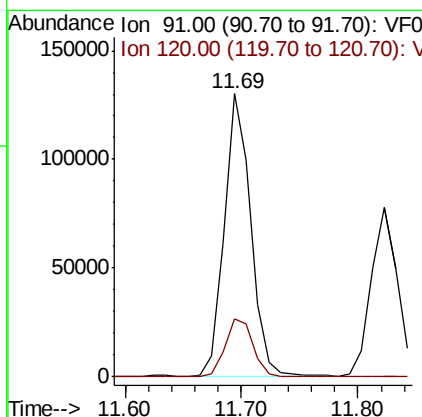
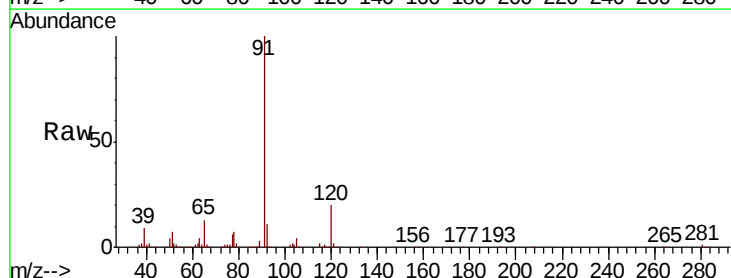
RT: 11.69 min Scan# 1132

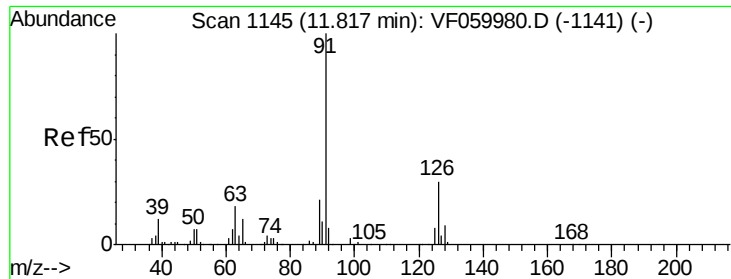
Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.4	11.0	33.0





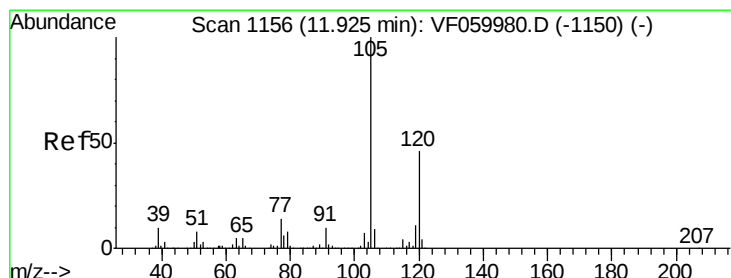
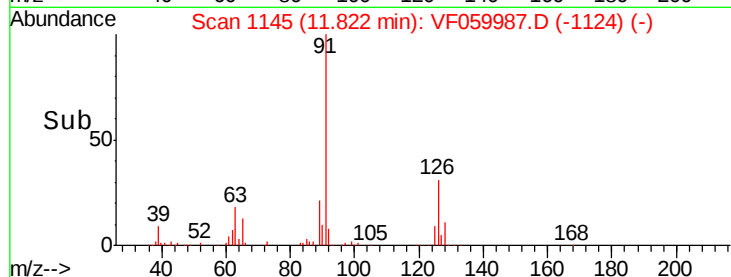
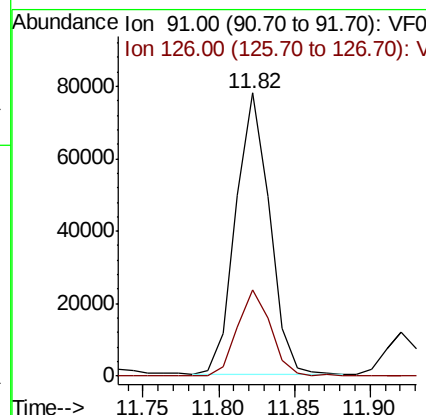
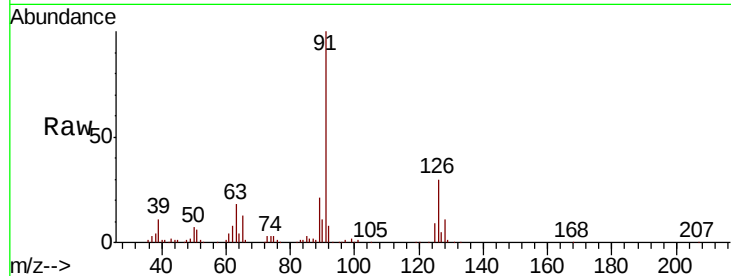
#79
 2-Chlorotoluene
 Concen: 20.27 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	121358		
126	30.4	14.7	44.1	

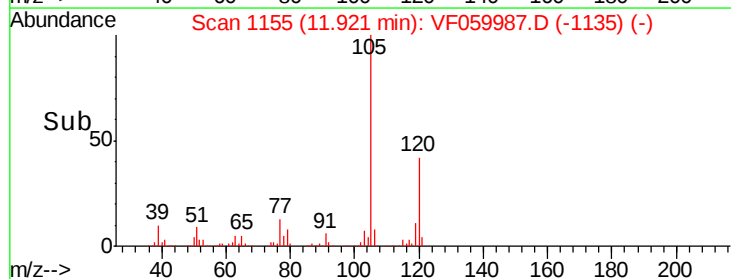
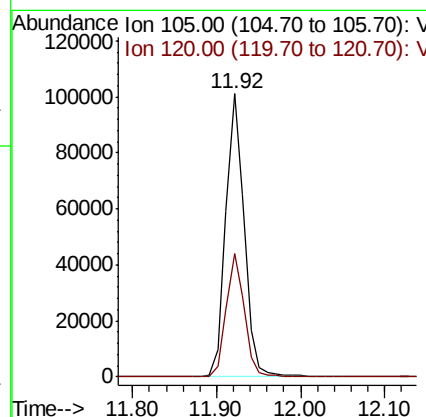
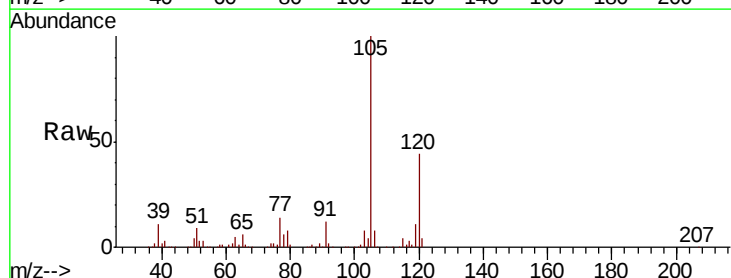
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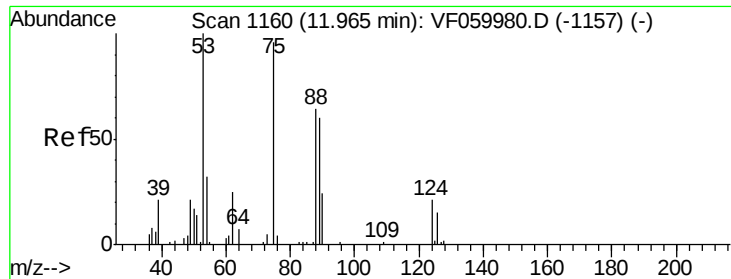
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.49 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	154242		
120	43.7	22.9	68.7	





#81

trans-1,4-Dichloro-2-butene

Concen: 21.36 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

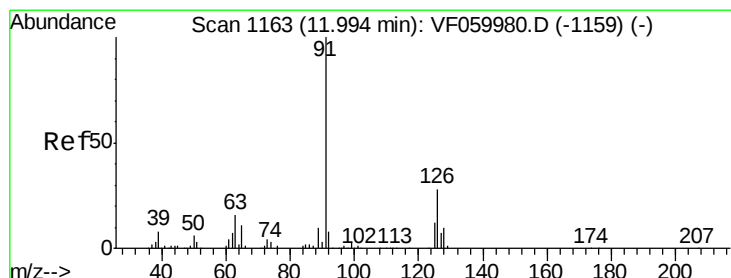
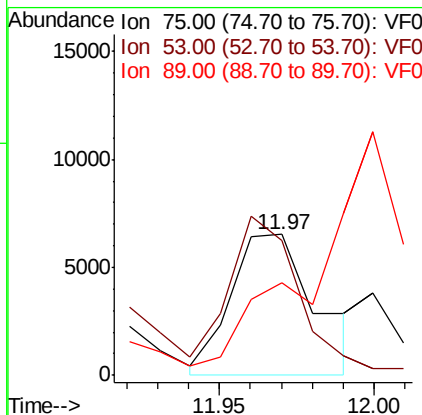
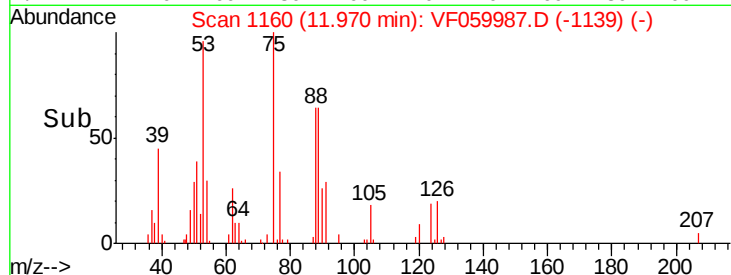
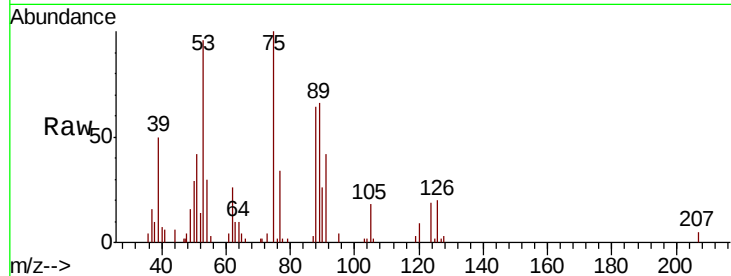
ClientSampleId :

VF0817SBS01

Tot Ion:	75	Resp:	12445
Ion	Ratio	Lower	Upper
75	100		
53	95.9	87.4	131.0
89	66.0	52.8	79.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.71 ug/l

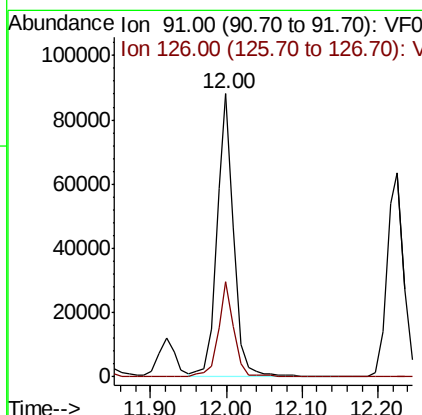
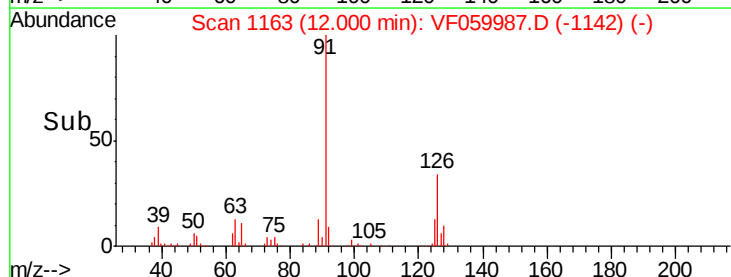
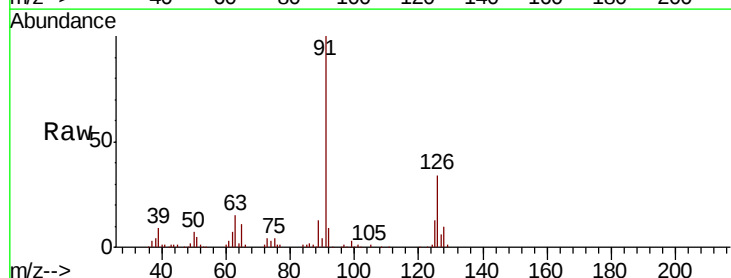
RT: 12.00 min Scan# 1163

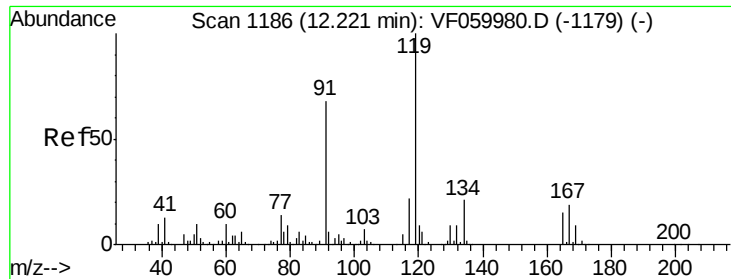
Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion:	91	Resp:	135703
Ion	Ratio	Lower	Upper
91	100		
126	33.8	14.1	42.4





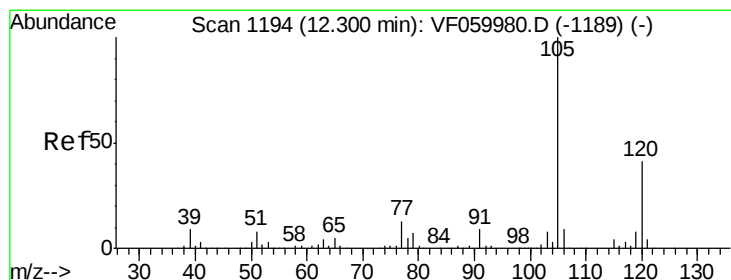
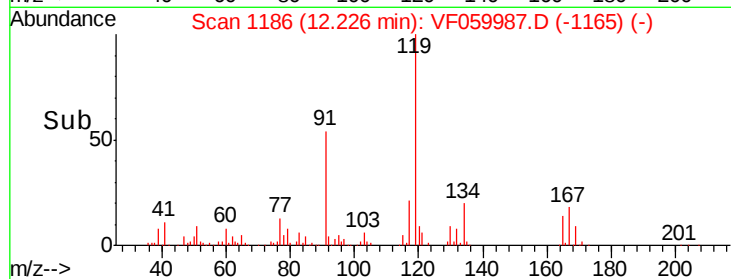
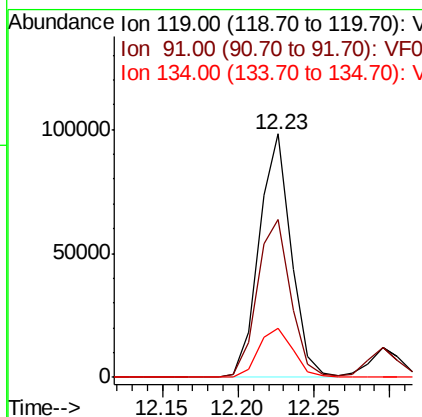
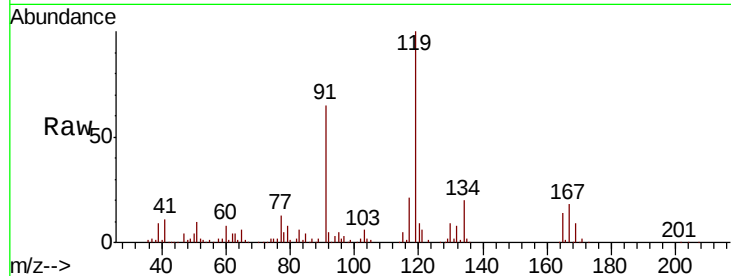
#83
 tert-Butylbenzene
 Concen: 20.61 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	145379		
91	64.6		34.1	102.2
134	20.4		10.5	31.6

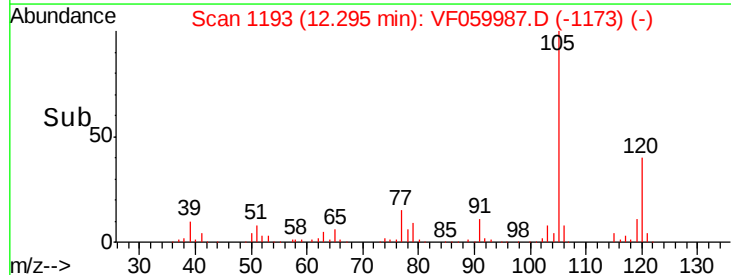
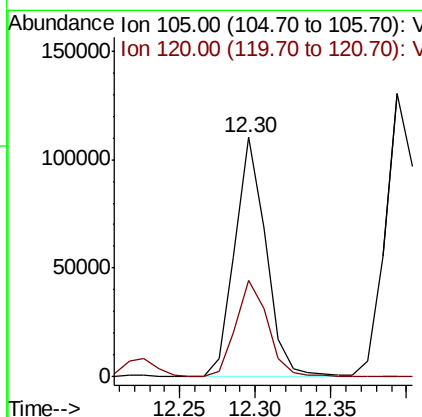
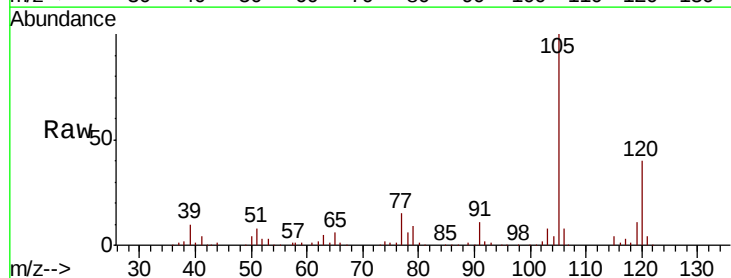
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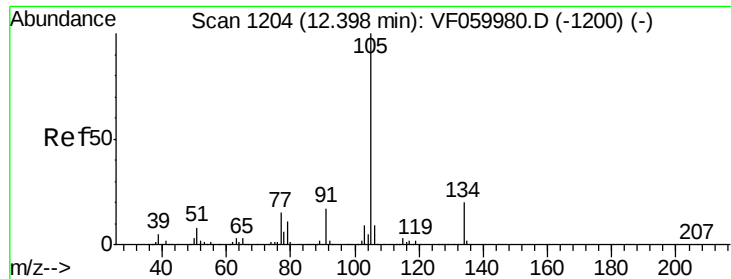
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.01 ug/l
 RT: 12.30 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	158829		
120	40.3		20.9	62.7





#85

sec-Butylbenzene

Concen: 20.62 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion:105 Resp: 192237

Ion Ratio Lower Upper

105 100

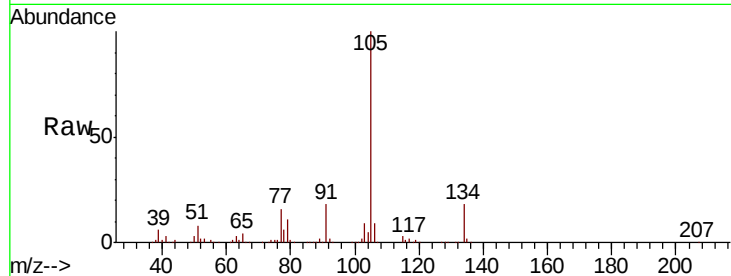
134 17.6 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

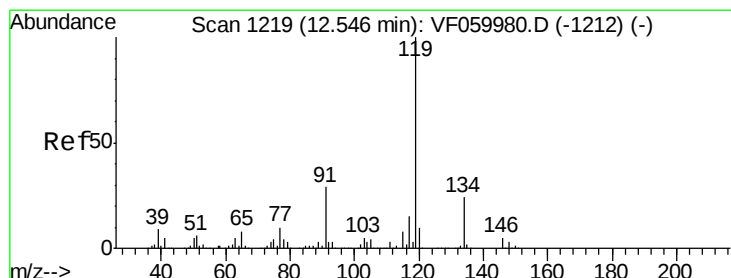
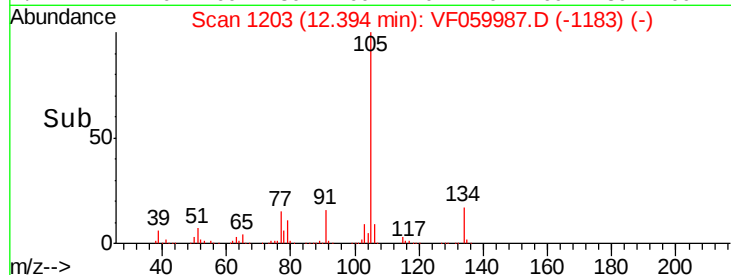
12.39

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.25 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

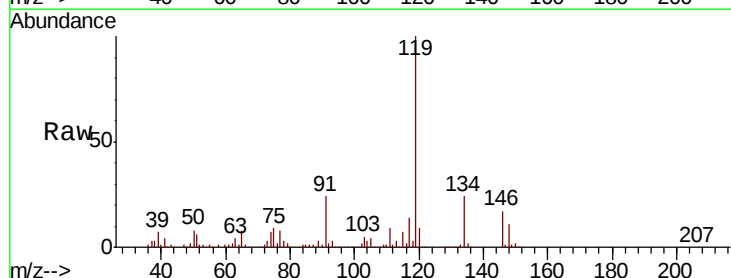
Tgt Ion:119 Resp: 175199

Ion Ratio Lower Upper

119 100

134 24.4 12.1 36.3

91 24.4 14.4 43.4



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): V

12.55

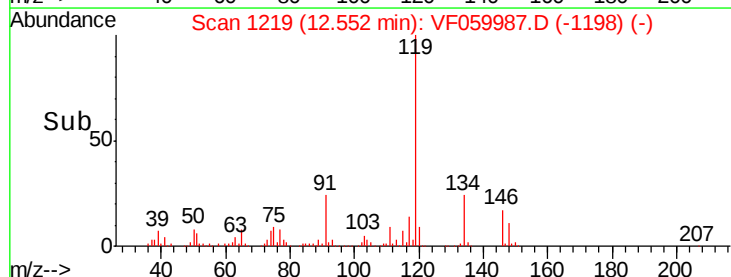
150000

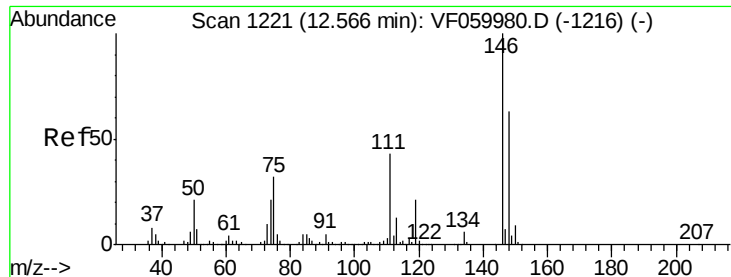
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.54 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

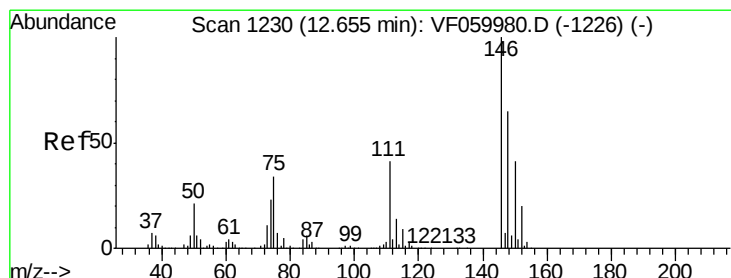
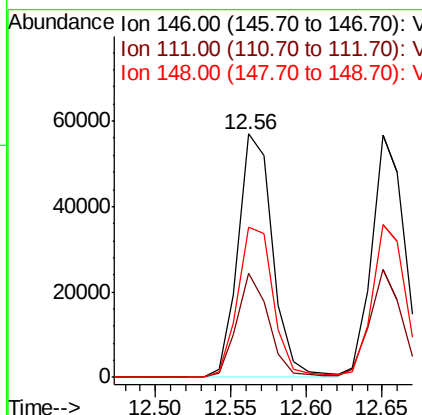
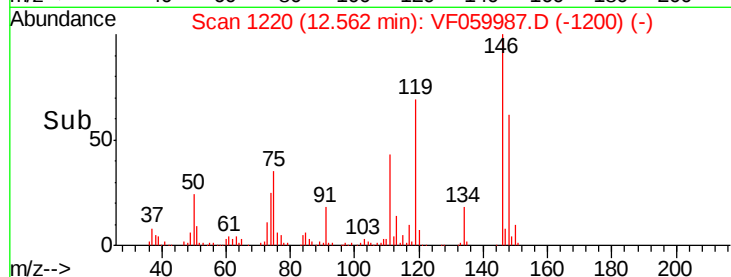
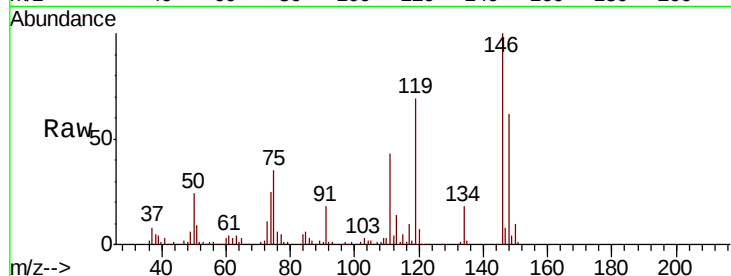
ClientSampleId :

VF0817SBS01

Tot Ion:	146	Resp:	91029
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.3	63.7
148	61.6	31.6	95.0

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#88

1,4-Dichlorobenzene

Concen: 21.56 ug/l

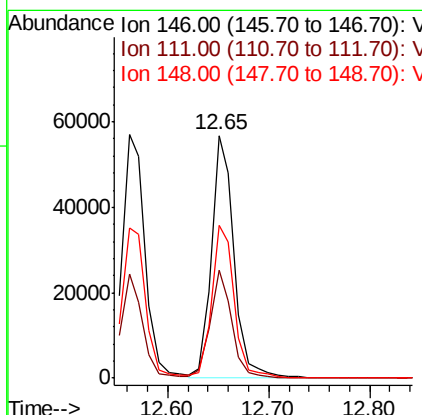
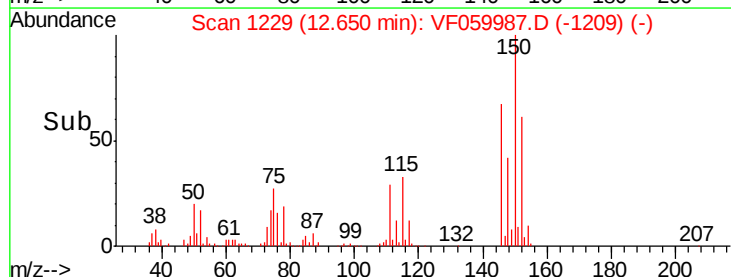
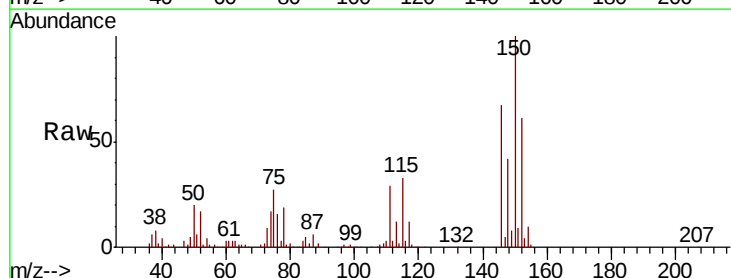
RT: 12.65 min Scan# 1229

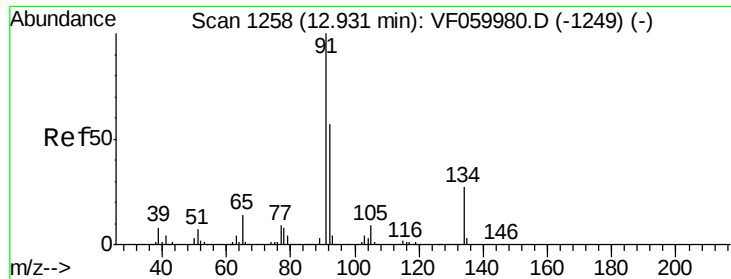
Delta R.T. -0.00 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion:	146	Resp:	89212
Ion Ratio	Lower	Upper	
146	100		
111	44.2	20.3	61.0
148	63.0	32.6	97.8





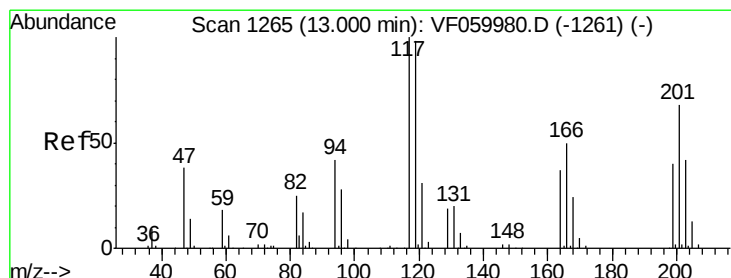
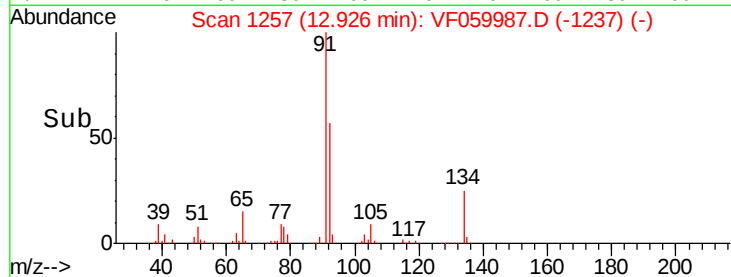
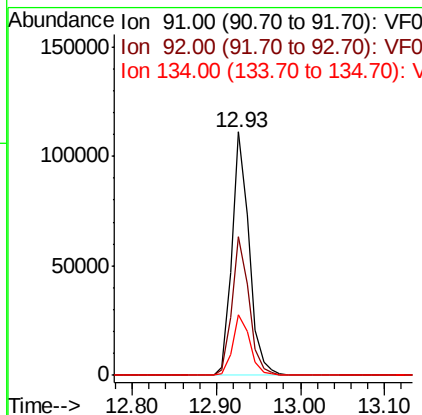
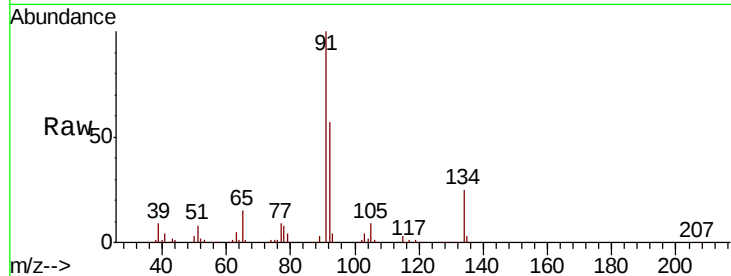
#89
n-Butylbenzene
Concen: 19.88 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.9	28.7	86.3
134	25.0	13.3	39.9

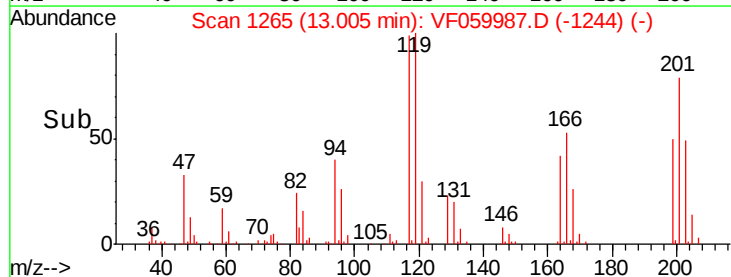
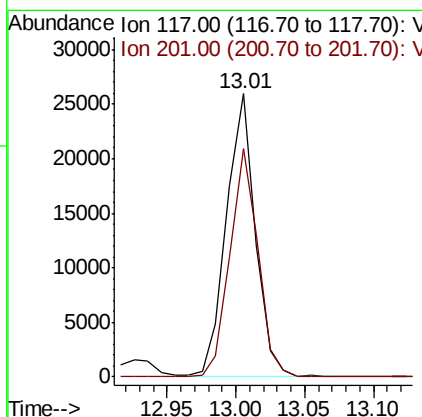
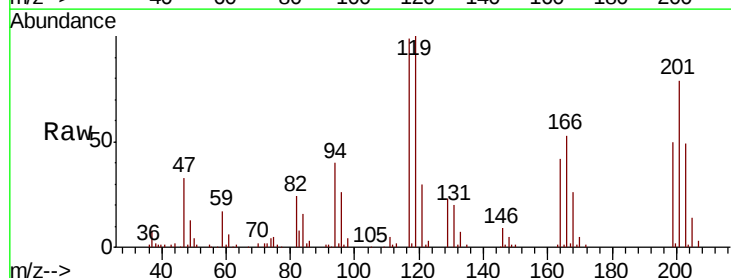
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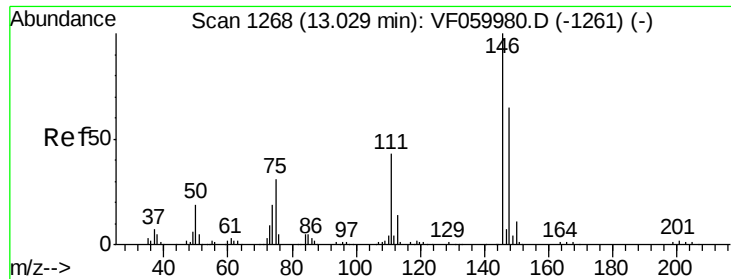
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#90
Hexachloroethane
Concen: 20.40 ug/l
RT: 13.01 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF059987.D
Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	34.5	103.5





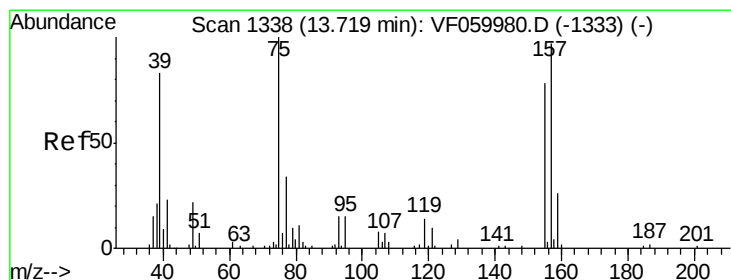
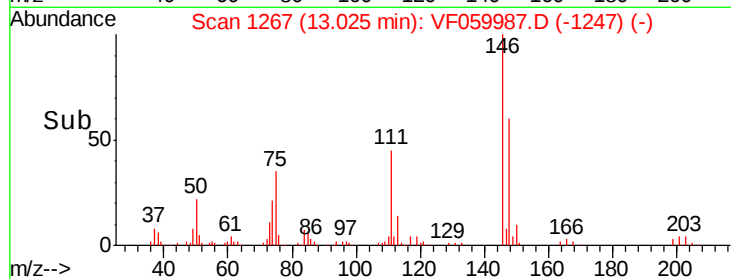
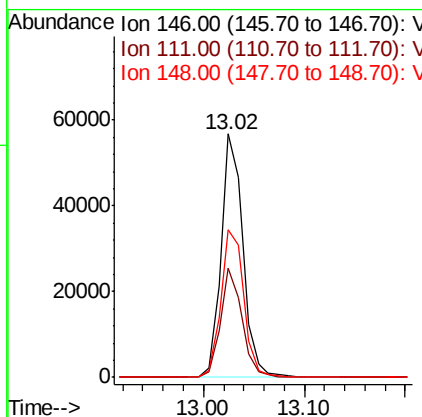
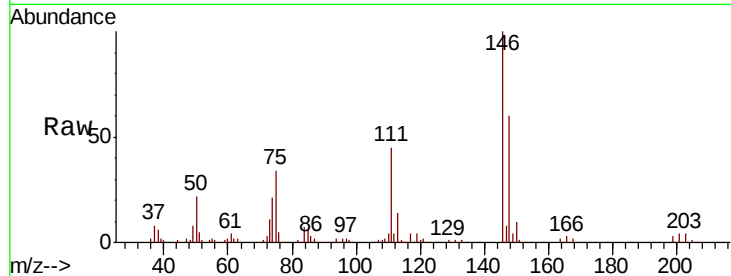
#91
 1,2-Dichlorobenzene
 Concen: 21.15 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.4	64.3
148	60.4	32.5	97.4

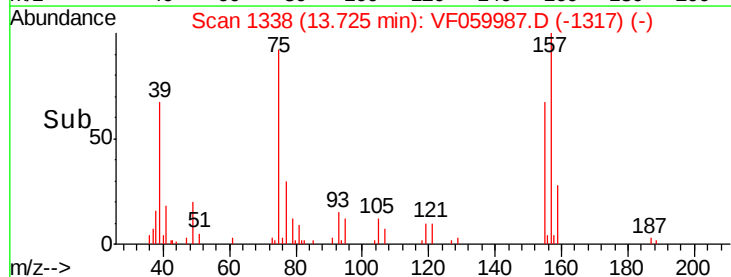
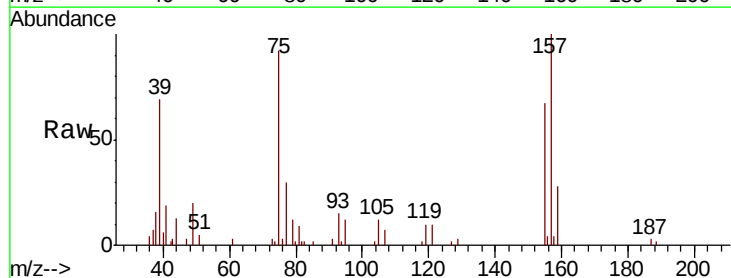
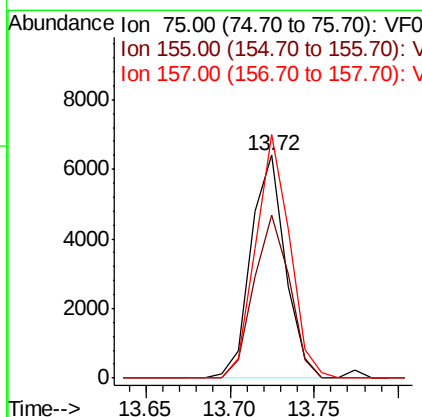
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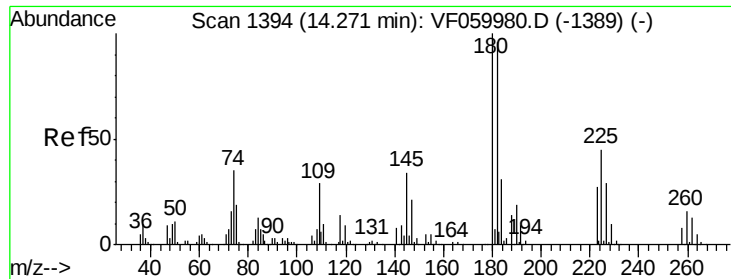
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.00 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	38.9	116.7
157	109.2	50.8	152.5





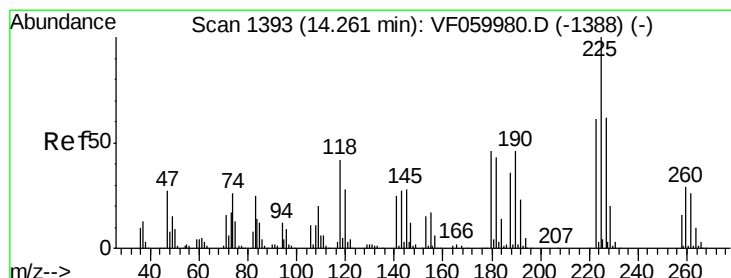
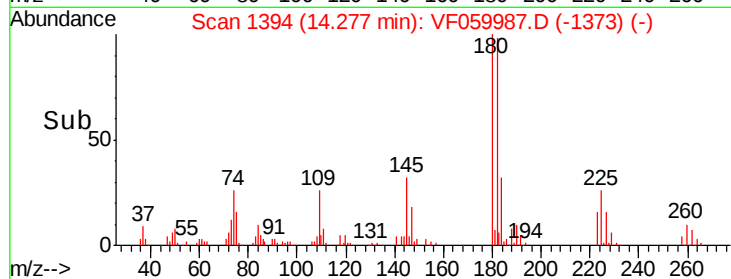
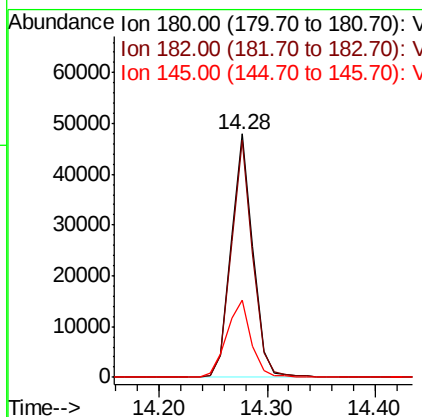
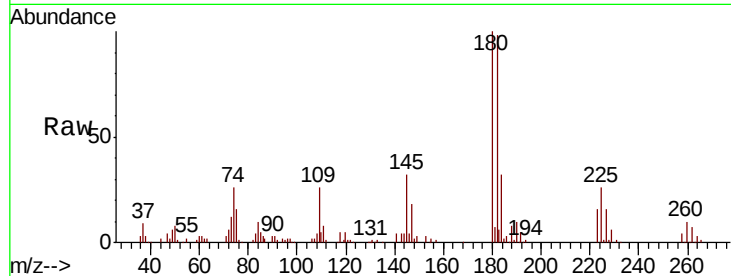
#93
 1,2,4-Trichlorobenzene
 Concen: 20.51 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.9	143.6
145	31.5	17.2	51.5

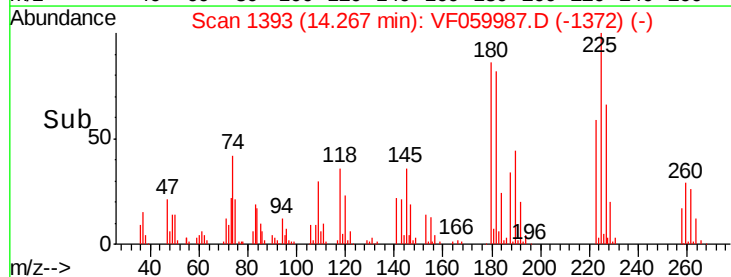
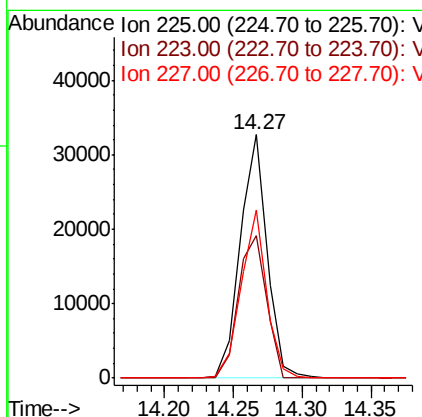
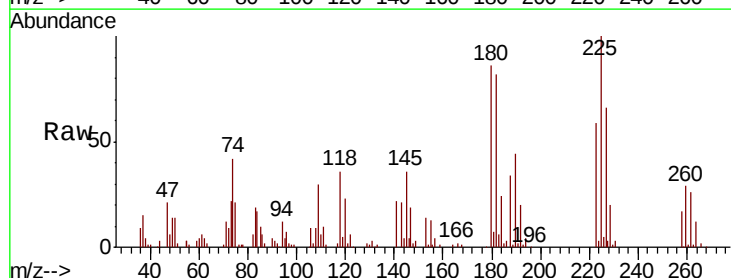
Manual Integrations
 APPROVED

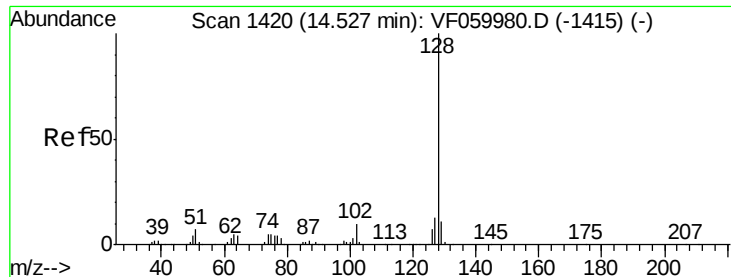
apatel
 8/20/2018 11:49:08 AM



#94
 Hexachlorobutadiene
 Concen: 20.13 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059987.D
 Acq: 17 Aug 2018 22:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.8	29.1	87.4
227	69.2	29.8	89.5





#95

Naphthalene

Concen: 20.41 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Instrument :

MSVOA_F

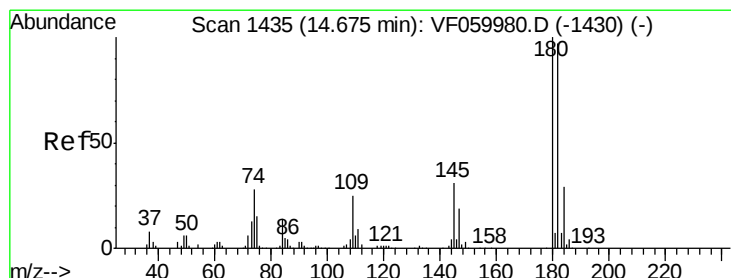
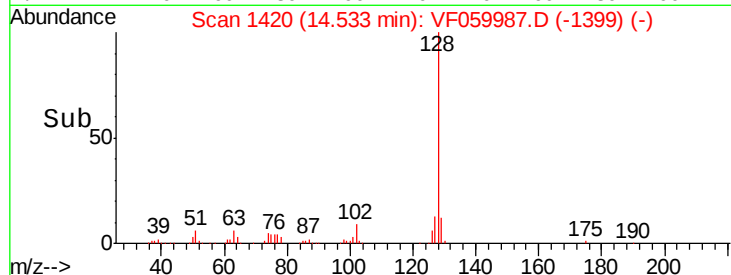
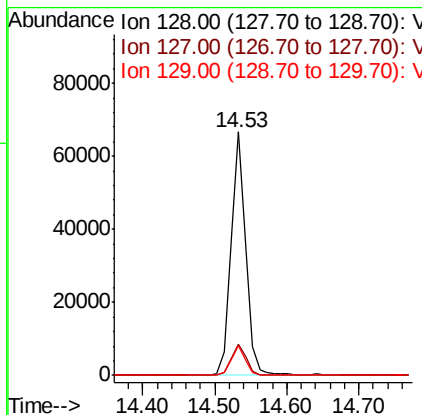
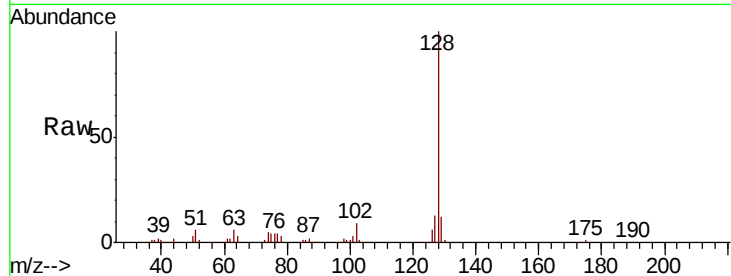
ClientSampleId :

VF0817SBS01

Tot Ion:	128	Resp:	94830
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	12.0	9.0	13.4

Manual Integrations
APPROVED

apatel
8/20/2018 11:49:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.02 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VF059987.D

Acq: 17 Aug 2018 22:40

Tgt Ion:	180	Resp:	66911
Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.5	145.5
145	30.9	15.7	47.1

