

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059983.D
 Acq On : 17 Aug 2018 19:55
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
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 8/20/2018 11:49:25 AM

Quant Time: Aug 18 00:09:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 23:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	140298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	202710	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	204254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	130760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	371460	135.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	271.94%	
35) Dibromofluoromethane	4.31	113	279082	135.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.58%	
50) Toluene-d8	7.72	98	641623	140.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.58%	
62) 4-Bromofluorobenzene	11.52	95	369361	131.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	263.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	314647	132.43	ug/l	99
3) Chloromethane	1.07	50	167510	136.90	ug/l	94
4) Vinyl Chloride	1.12	62	209763	149.38	ug/l	94
5) Bromomethane	1.32	94	157856	114.87	ug/l	96
6) Chloroethane	1.39	64	92480	126.03	ug/l	97
7) Trichlorofluoromethane	1.49	101	268701	70.77	ug/l	99
8) Diethyl Ether	1.71	74	90061	148.46	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.86	101	239600	125.74	ug/l	94
10) Methyl Iodide	1.93	142	301483	124.16	ug/l	99
11) Tert butyl alcohol	2.71	59	109812	652.43	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	175810	133.24	ug/l	97
13) Acrolein	2.10	56	81175	912.94	ug/l	93
14) Allyl chloride	2.20	41	277326	123.83	ug/l	86
15) Acrylonitrile	3.08	53	141516	506.09	ug/l	90
16) Acetone	2.35	43	472343	537.47	ug/l	99
17) Carbon Disulfide	1.84	76	526011	125.19	ug/l	97
18) Methyl Acetate	2.46	43	166043	95.13	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	582463	130.70	ug/l	98
20) Methylene Chloride	2.28	84	198249	106.99	ug/l	98
21) trans-1,2-Dichloroethene	2.41	96	180646	128.41	ug/l	95
22) Diisopropyl ether	2.94	45	569178	117.70	ug/l	98
23) Vinyl Acetate	3.34	43	1408336	710.95	ug/l	98
24) 1,1-Dichloroethane	3.00	63	375324	117.94	ug/l	100
25) 2-Butanone	4.51	43	430532	626.23	ug/l	99
26) 2,2-Dichloropropane	3.76	77	410619	147.84	ug/l	95
27) cis-1,2-Dichloroethene	3.65	96	181422	141.40	ug/l	91
28) Bromochloromethane	3.90	49	111849	123.21	ug/l	95
29) Tetrahydrofuran	4.26	42	151247	615.98	ug/l	98
30) Chloroform	4.05	83	500854	138.07	ug/l	95
31) Cyclohexane	3.87	56	196035	137.08	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	466093	131.89	ug/l	98
36) 1,1-Dichloropropene	4.46	75	300995	131.59	ug/l	98
37) Ethyl Acetate	4.31	43	161939	120.05	ug/l #	70
38) Carbon Tetrachloride	4.18	117	427068	129.95	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	242883	140.19	ug/l	96
40) Benzene	4.82	78	540673	138.92	ug/l	100
41) Methacrylonitrile	4.93	41	80211	125.50	ug/l	95
42) 1,2-Dichloroethane	5.12	62	424811	126.03	ug/l	98
43) Isopropyl Acetate	7.11	43	206255	140.29	ug/l #	88
44) Trichloroethene	5.69	130	199899	131.55	ug/l	96
45) 1,2-Dichloropropane	6.42	63	151446	136.43	ug/l	100
46) Dibromomethane	6.27	93	149016	132.36	ug/l	92
47) Bromodichloromethane	6.55	83	415639	139.79	ug/l	96
48) Methyl methacrylate	6.88	41	156801	143.08	ug/l	93
49) 1,4-Dioxane	6.88	88	27075	3086.27	ug/l #	79
51) 4-Methyl-2-Pentanone	8.42	43	838608	610.83	ug/l	100
52) Toluene	7.79	92	384629	131.22	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	346173	137.12	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	349741	143.72	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	161945	134.75	ug/l	93
56) Ethyl methacrylate	8.77	69	199374	142.38	ug/l	98
57) 1,3-Dichloropropane	9.01	76	284394	133.22	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	89488	777.41	ug/l	100
59) 2-Hexanone	9.64	43	692360	606.96	ug/l	96
60) Dibromochloromethane	8.87	129	310339	142.65	ug/l	98
61) 1,2-Dibromoethane	9.15	107	209191	137.98	ug/l	91
64) Tetrachloroethene	8.32	164	207346	135.25	ug/l	91
65) Chlorobenzene	9.95	112	533022	133.75	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	254169	138.77	ug/l	95
67) Ethyl Benzene	10.05	91	942203	131.71	ug/l	100
68) m/p-Xylenes	10.28	106	637776	256.16	ug/l	89
69) o-Xylene	10.84	106	343771	134.25	ug/l	97
70) Styrene	10.91	104	539711	132.35	ug/l	99
71) Bromoform	10.90	173	195659	141.88	ug/l #	100
73) Isopropylbenzene	11.24	105	1099661	140.63	ug/l	99
74) N-amyl acetate	11.47	43	350568	151.58	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	215335	135.01	ug/l	97
76) 1,2,3-Trichloropropane	11.90	75	186908	131.08	ug/l	100
77) Bromobenzene	11.60	156	302973	137.33	ug/l	98
78) n-propylbenzene	11.70	91	1282010	132.03	ug/l	99
79) 2-Chlorotoluene	11.83	91	806843	135.67	ug/l	93
80) 1,3,5-Trimethylbenzene	11.93	105	962376	135.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	86985m	118.33	ug/l	
82) 4-Chlorotoluene	11.99	91	884277	136.56	ug/l	97
83) tert-Butylbenzene	12.22	119	912075	130.36	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	981997	132.09	ug/l	100
85) sec-Butylbenzene	12.40	105	1192552	130.27	ug/l	100
86) p-Isopropyltoluene	12.55	119	1086224	134.22	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	530566	127.21	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	537078	131.52	ug/l	98
89) n-Butylbenzene	12.93	91	1062974	135.88	ug/l	96
90) Hexachloroethane	13.00	117	260691	143.16	ug/l	98
91) 1,2-Dichlorobenzene	13.03	146	522747	130.26	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	64295	143.00	ug/l	99

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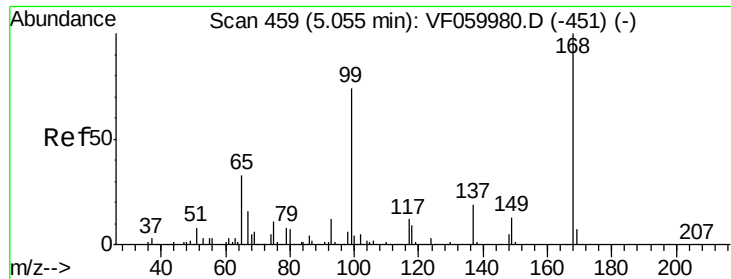
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	421972	129.59	ug/l	96
94) Hexachlorobutadiene	14.26	225	285923	132.98	ug/l	95
95) Naphthalene	14.53	128	765881	161.72	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	429482	136.53	ug/l	98

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



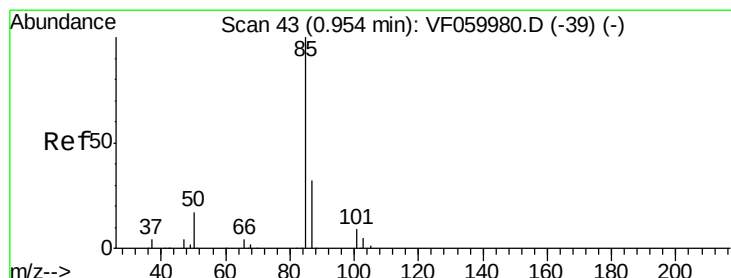
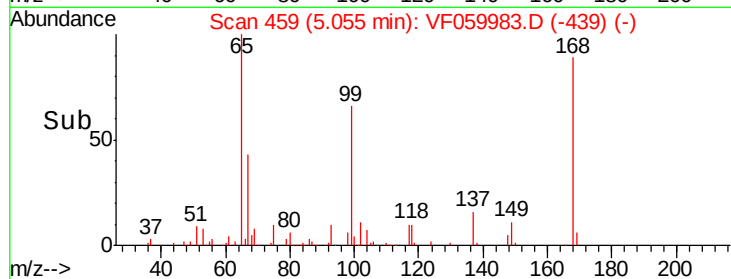
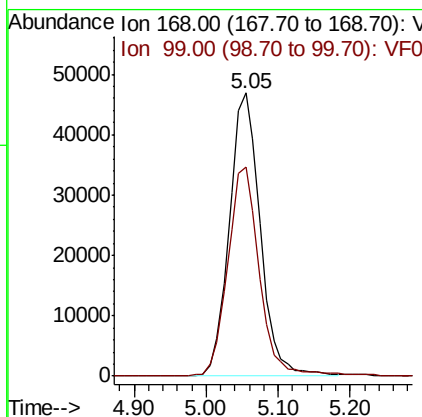
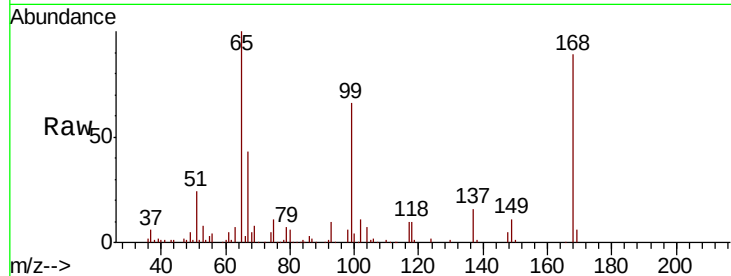
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.05 min Scan# 459
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
168	100	140298		
99	74.1	59.0	88.6	

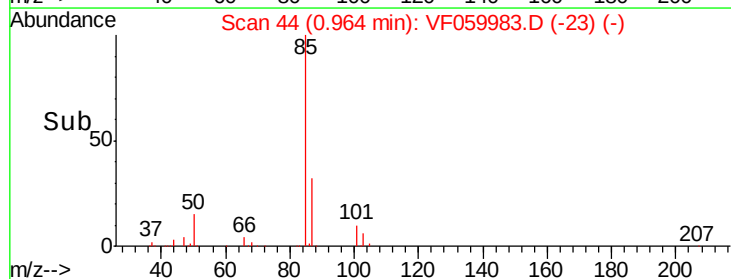
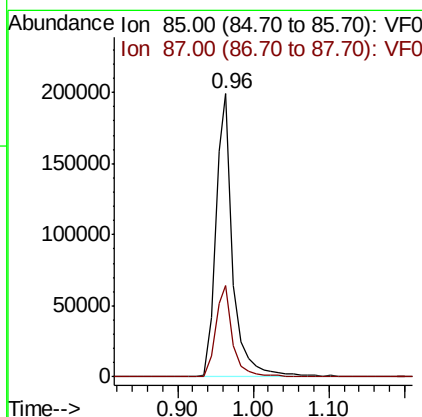
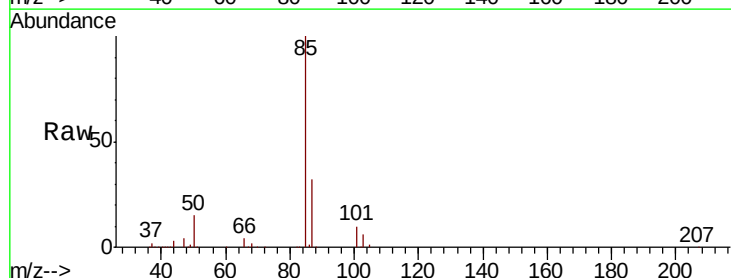
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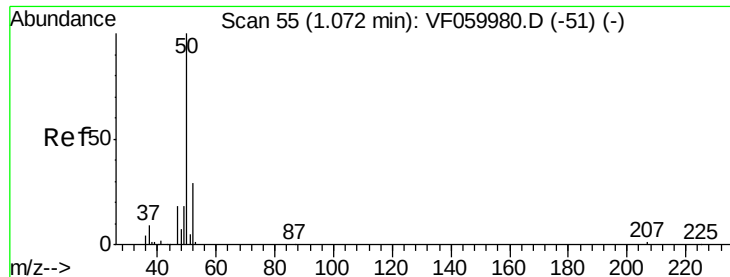
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#2
Dichlorodifluoromethane
Concen: 132.43 ug/l
RT: 0.96 min Scan# 44
Delta R.T. 0.01 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	314647		
87	32.4	15.9	47.7	





#3

Chloromethane

Concen: 136.90 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 167510

Ion Ratio Lower Upper

50 100

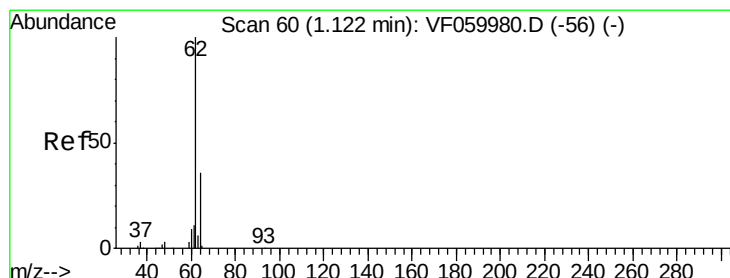
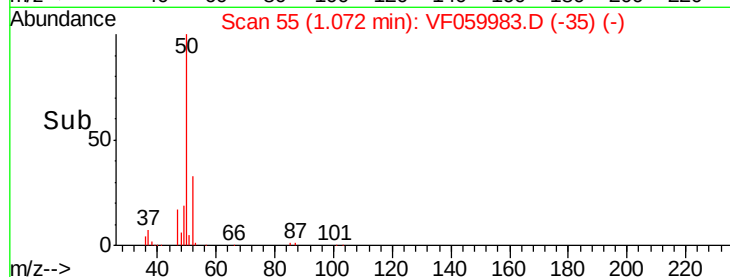
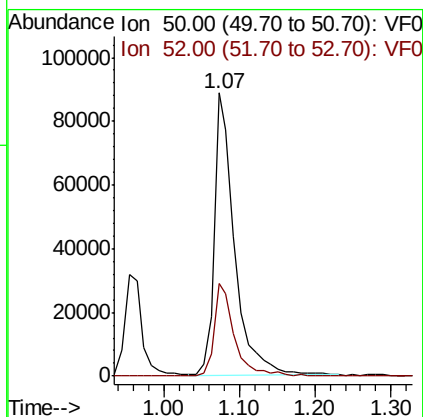
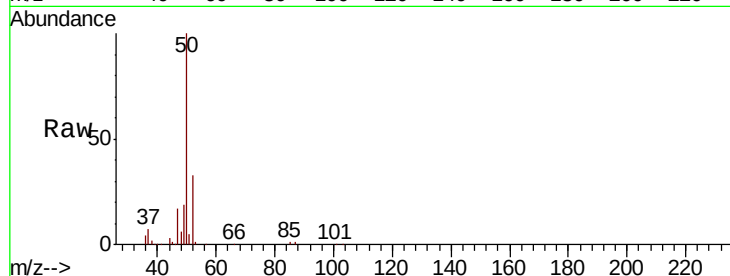
52 32.8 23.6 35.4

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#4

Vinyl Chloride

Concen: 149.38 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF059983.D

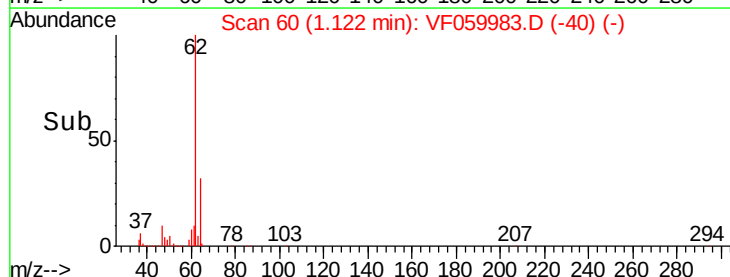
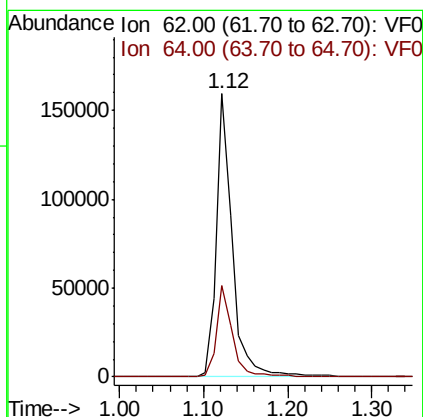
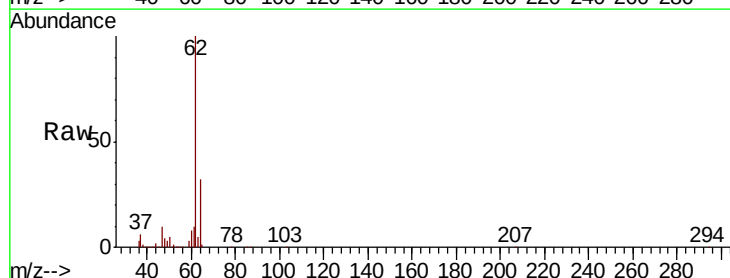
Acq: 17 Aug 2018 19:55

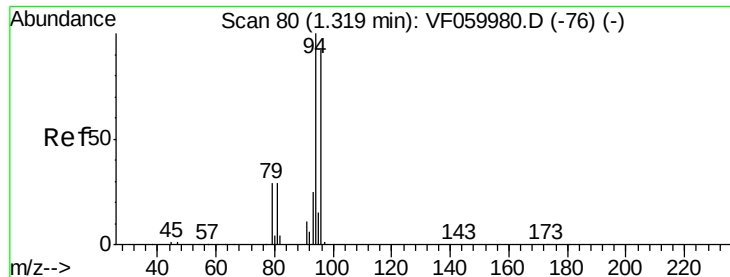
Tgt Ion: 62 Resp: 209763

Ion Ratio Lower Upper

62 100

64 32.2 28.7 43.1





#5

Bromomethane

Concen: 114.87 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 157856

Ion Ratio Lower Upper

94 100

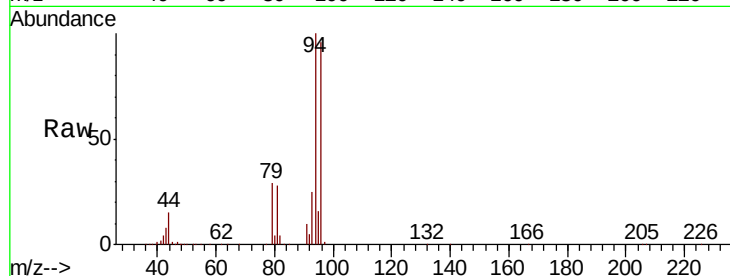
96 96.3 73.9 110.9

Manual Integrations

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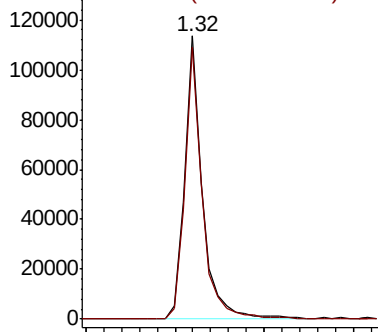
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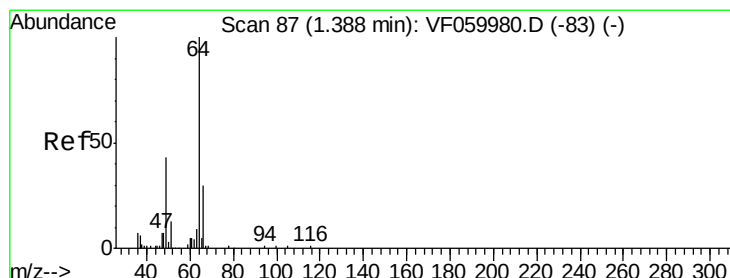
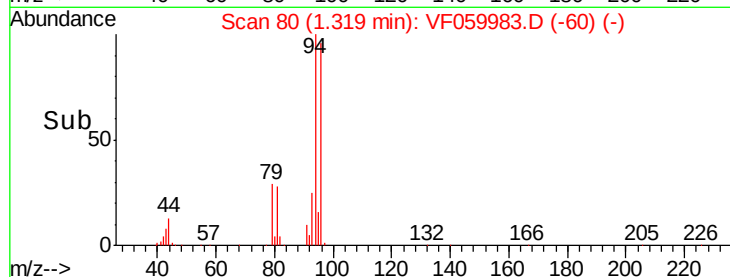


Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



Time-->



#6

Chloroethane

Concen: 126.03 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF059983.D

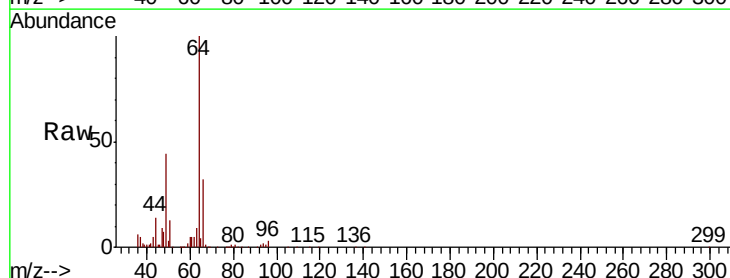
Acq: 17 Aug 2018 19:55

Tgt Ion: 64 Resp: 92480

Ion Ratio Lower Upper

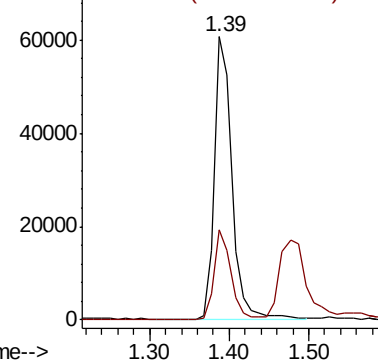
64 100

66 32.0 24.4 36.6

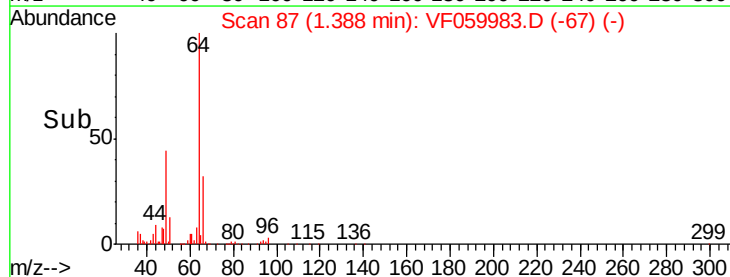


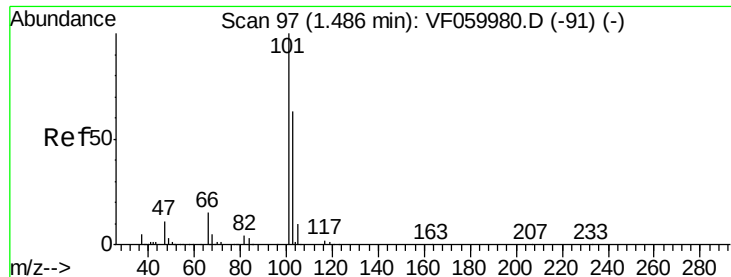
Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



Time-->





#7

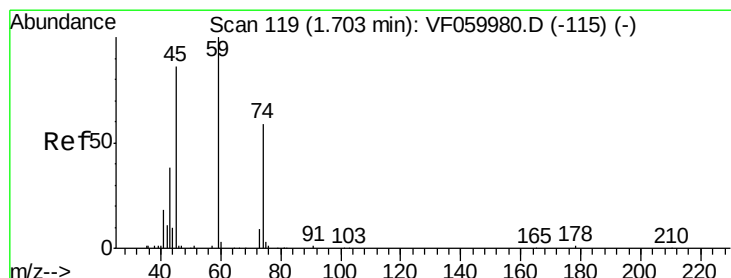
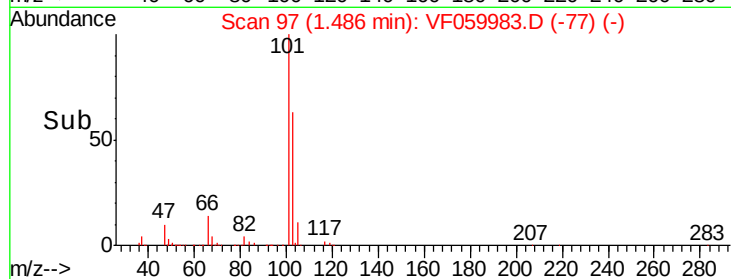
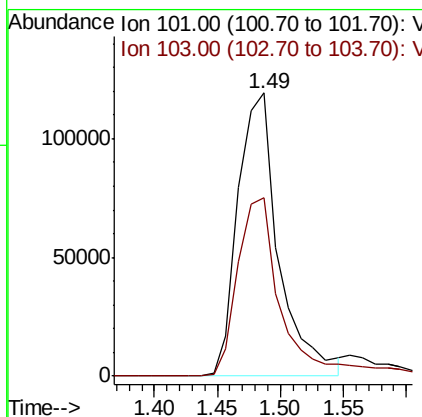
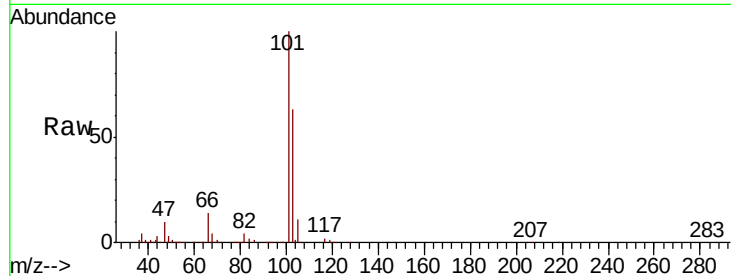
Trichlorofluoromethane
 Concen: 70.77 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	50.8	76.2

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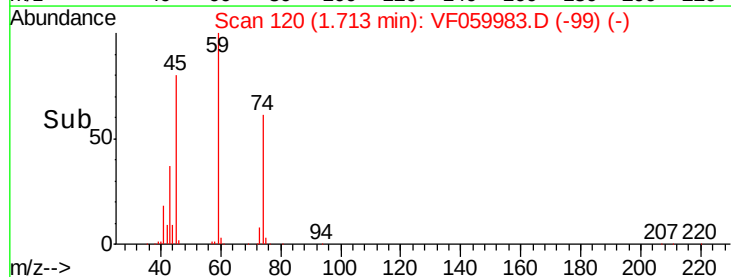
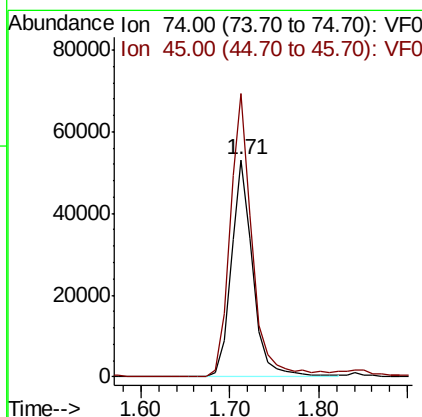
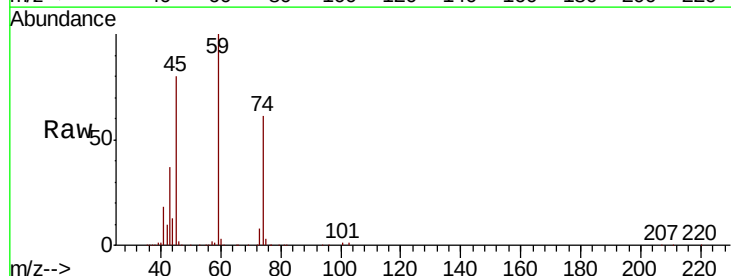
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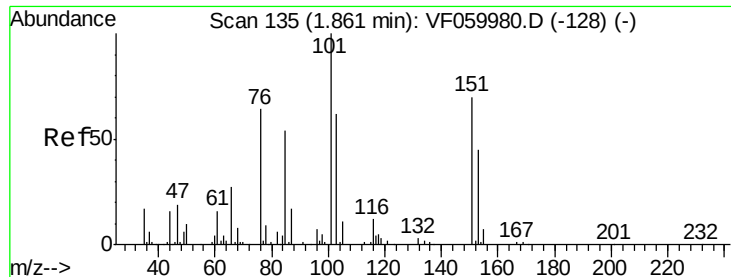


#8

Diethyl Ether
 Concen: 148.46 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	130.5	73.5	220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 125.74 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

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MSVOA_F

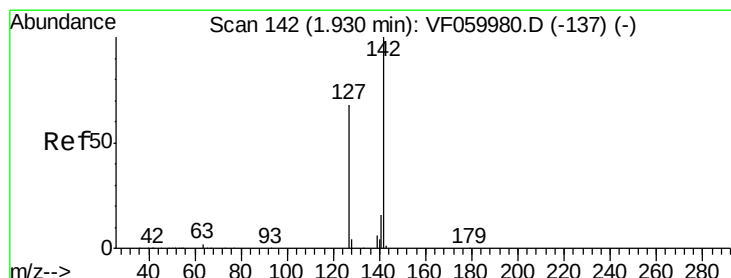
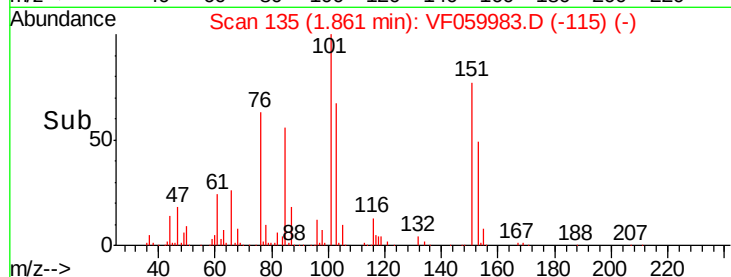
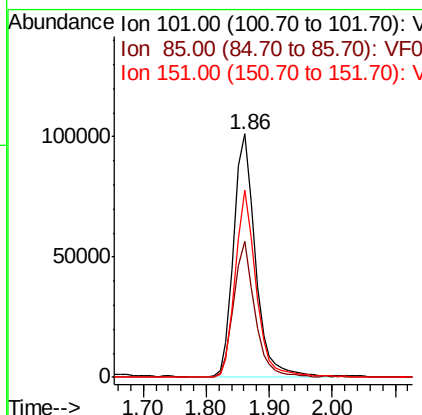
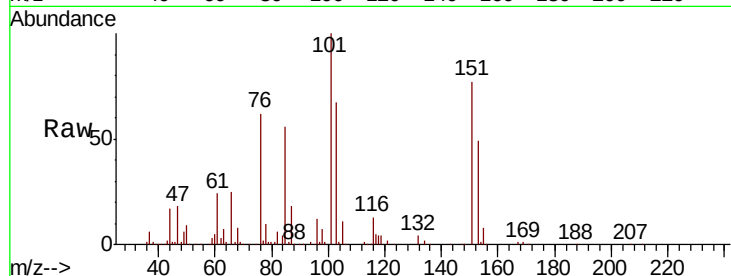
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	239600
Ion Ratio	Lower	Upper	
101	100		
85	55.8	43.0	64.6
151	76.7	56.2	84.2

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#10

Methyl Iodide

Concen: 124.16 ug/l

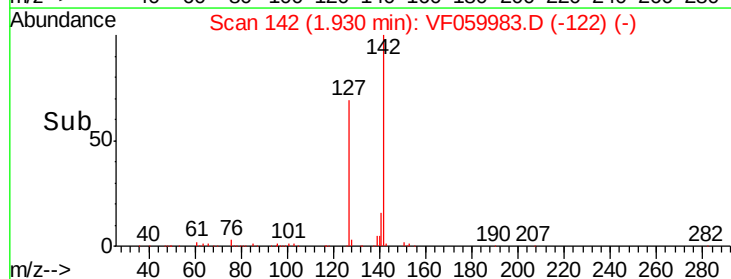
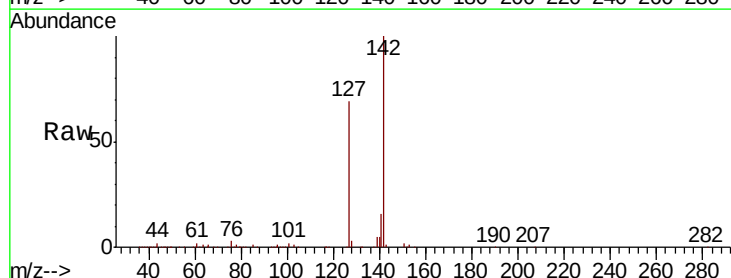
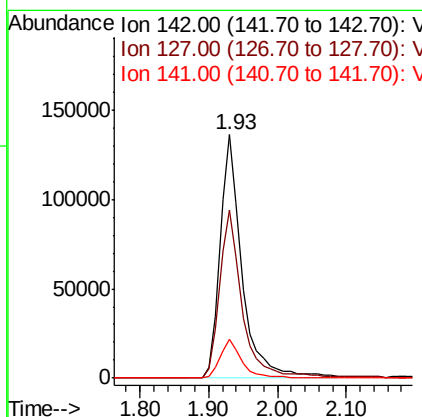
RT: 1.93 min Scan# 142

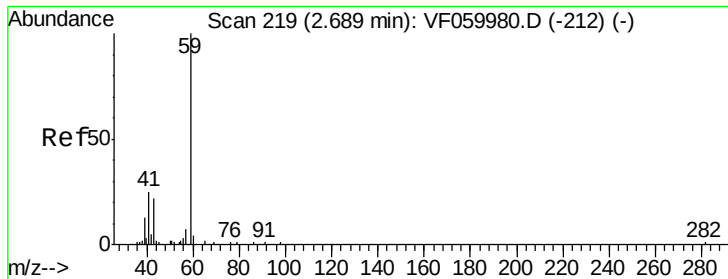
Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion:	142	Resp:	301483
Ion Ratio	Lower	Upper	
142	100		
127	68.9	54.1	81.1
141	16.0	12.5	18.7





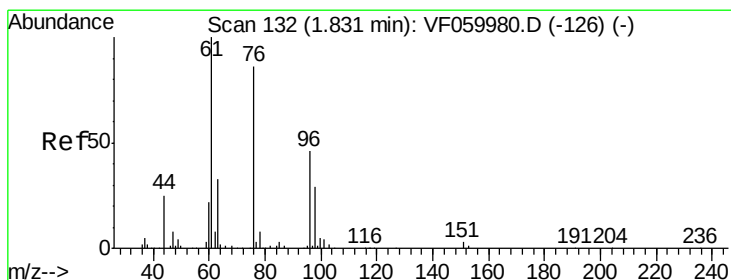
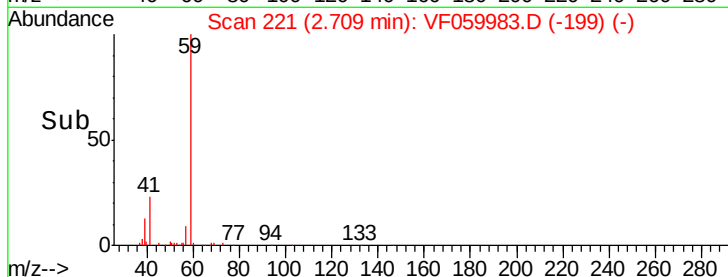
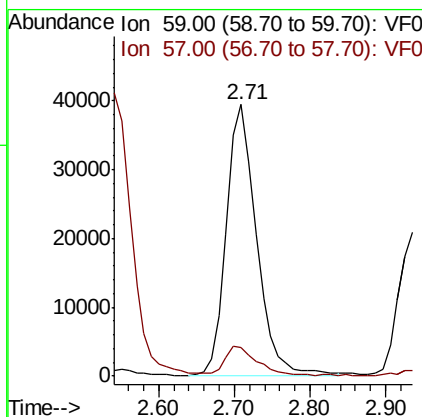
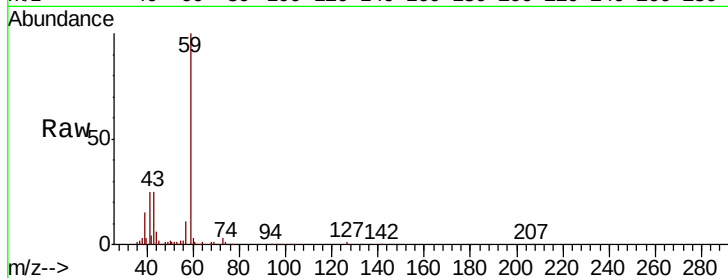
#11
Tert butyl alcohol
Concen: 652.43 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	6.8	10.2#

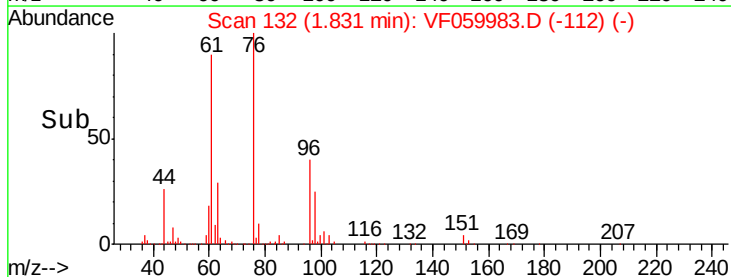
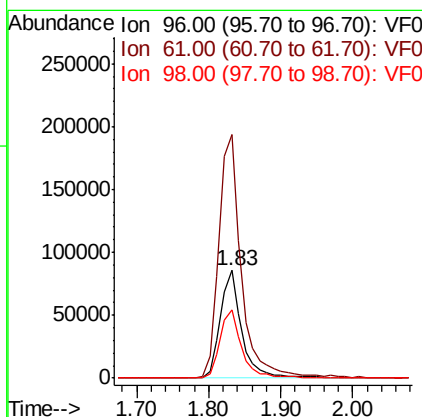
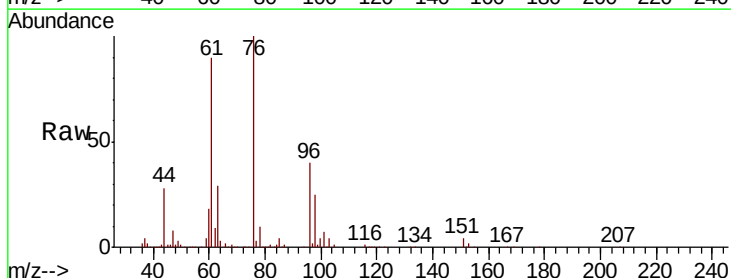
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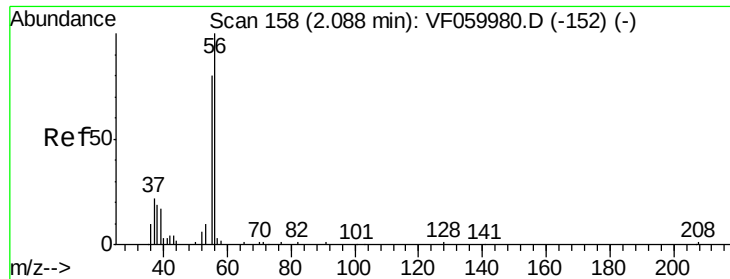
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#12
1,1-Dichloroethene
Concen: 133.24 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	226.5	175.6	263.4
98	63.4	50.6	75.8





#13

Acrolein

Concen: 912.94 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 81175

Ion Ratio Lower Upper

56 100

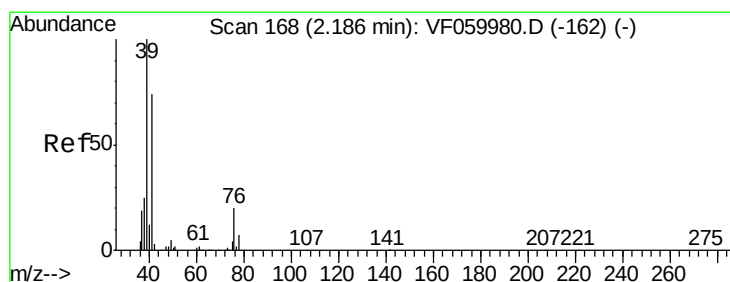
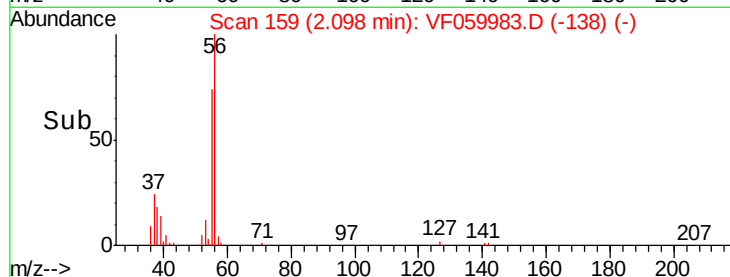
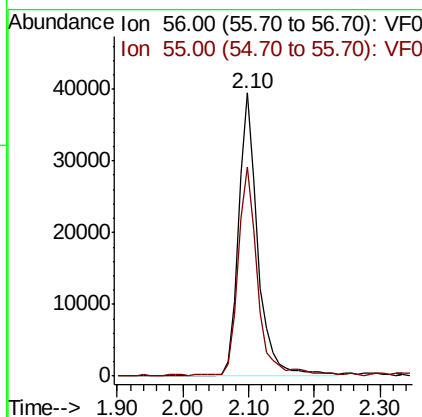
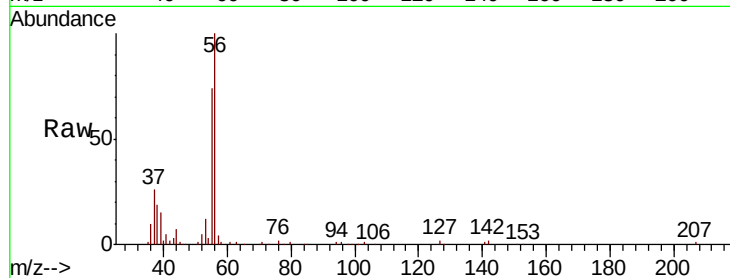
55 73.8 63.8 95.6

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#14

Allyl chloride

Concen: 123.83 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

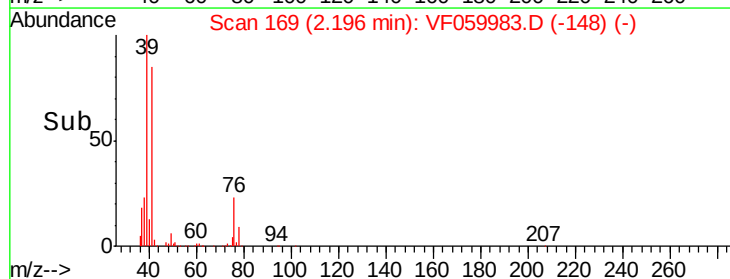
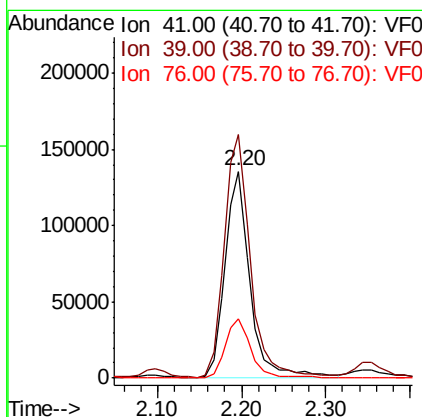
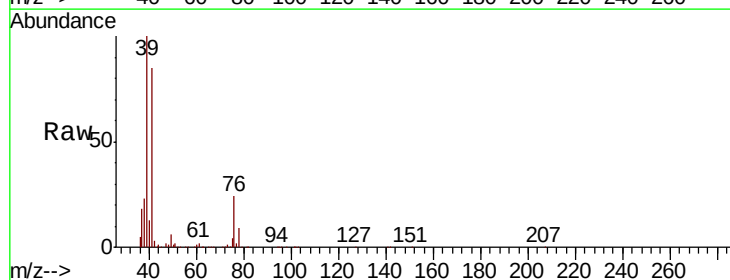
Tgt Ion: 41 Resp: 277326

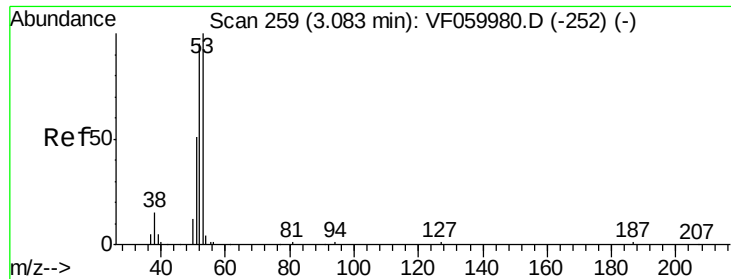
Ion Ratio Lower Upper

41 100

39 117.9 109.3 163.9

76 28.6 21.3 31.9





#15

Acrylonitrile

Concen: 506.09 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

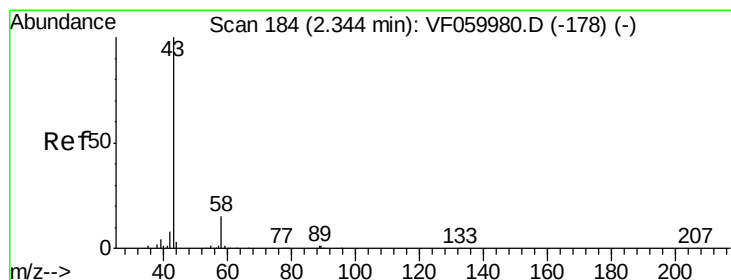
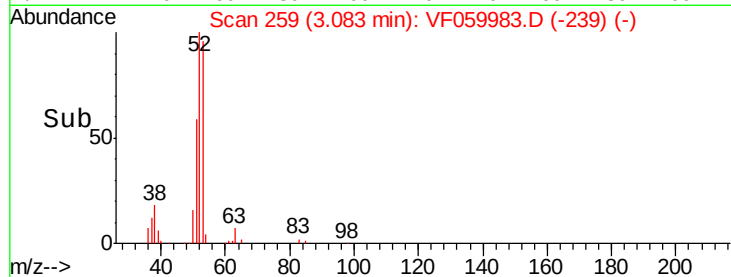
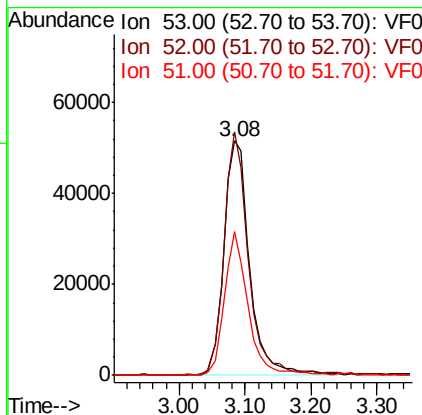
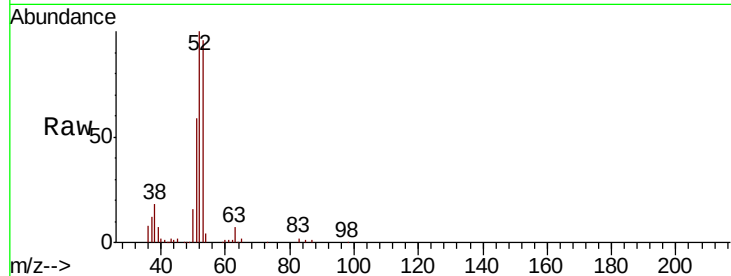
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	141516
Ion	Ratio	Lower	Upper
53	100		
52	104.0	76.0	114.0
51	61.4	41.9	62.9

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#16

Acetone

Concen: 537.47 ug/l

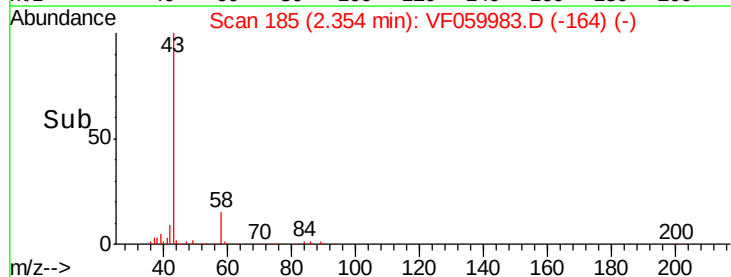
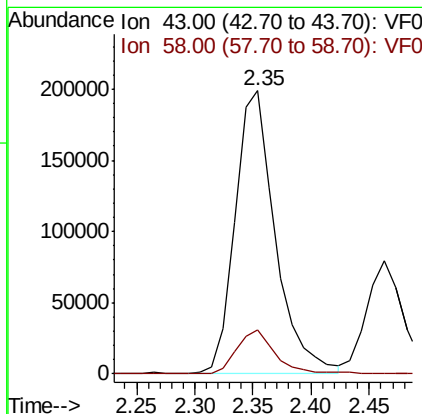
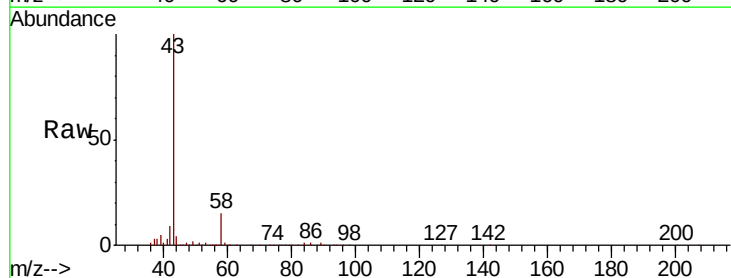
RT: 2.35 min Scan# 185

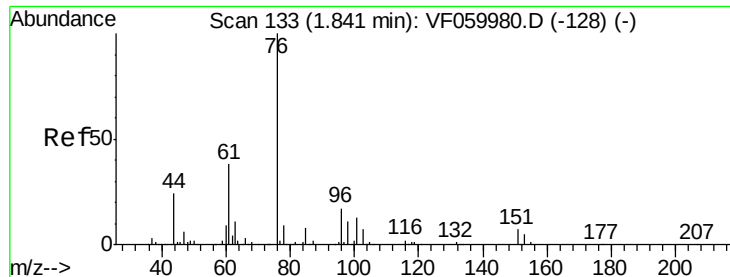
Delta R.T. 0.01 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion:	43	Resp:	472343
Ion	Ratio	Lower	Upper
43	100		
58	15.4	11.9	17.9





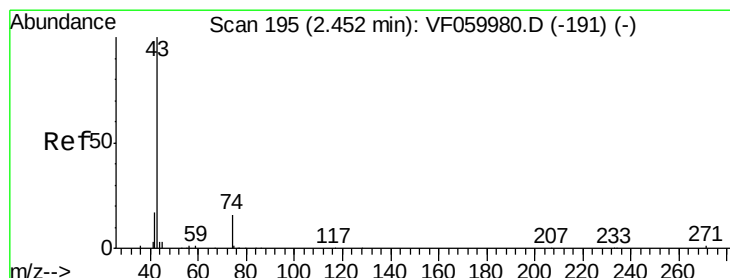
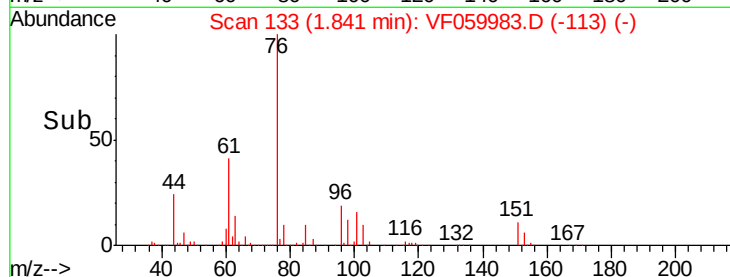
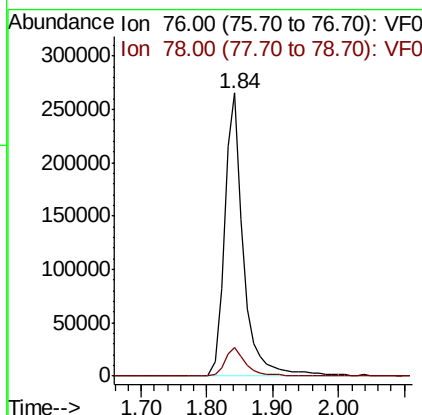
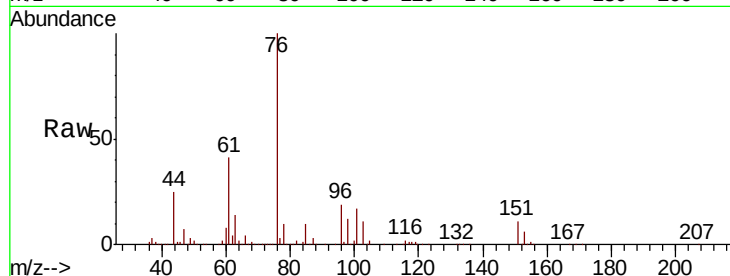
#17
Carbon Disulfide
Concen: 125.19 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.2	10.8

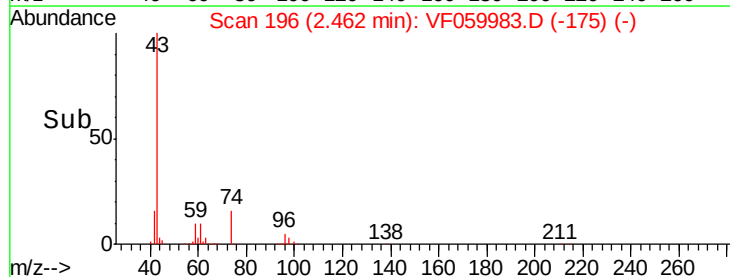
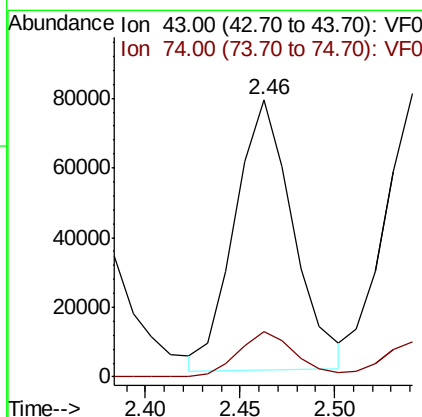
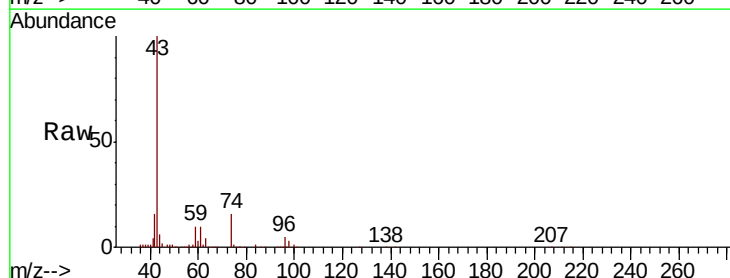
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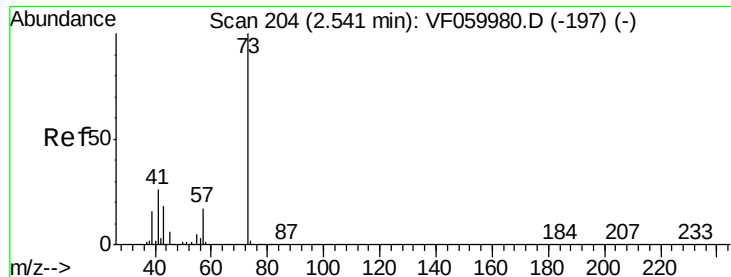
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#18
Methyl Acetate
Concen: 95.13 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.2	12.3	18.5





#19

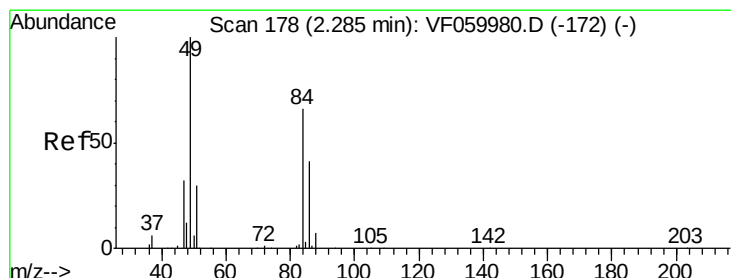
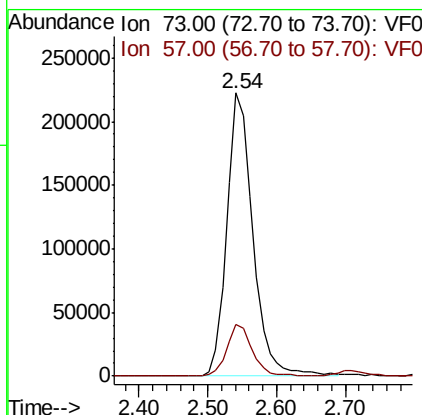
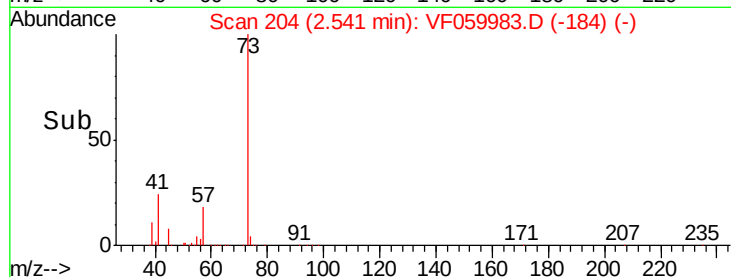
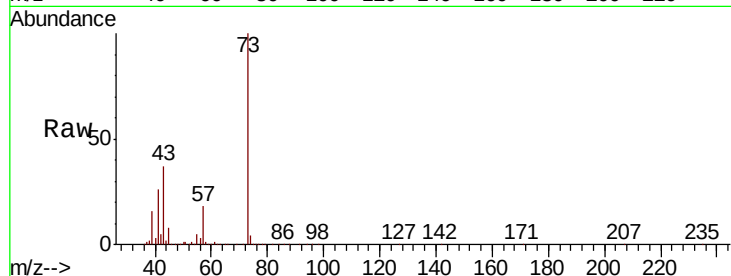
Methyl tert-butyl Ether
 Concen: 130.70 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	14.2	21.2

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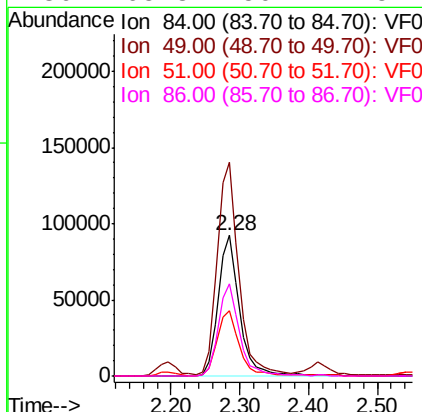
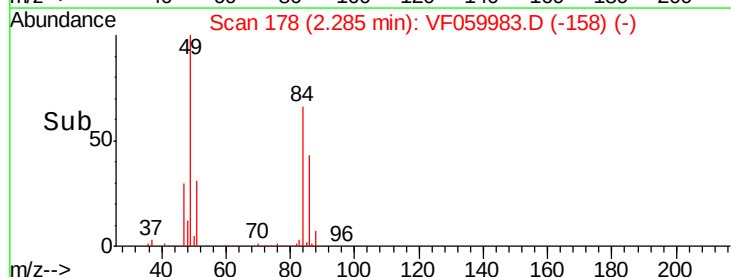
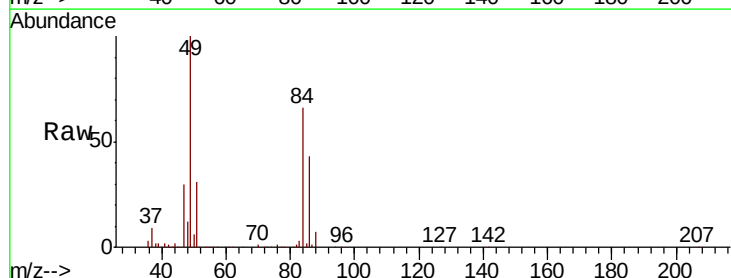
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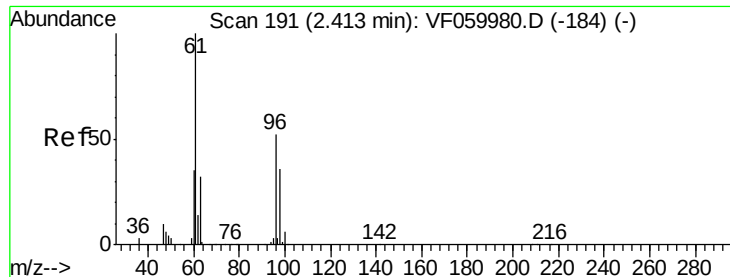


#20

Methylene Chloride
 Concen: 106.99 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.8	122.5	183.7
51	46.6	37.1	55.7
86	65.8	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 128.41 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

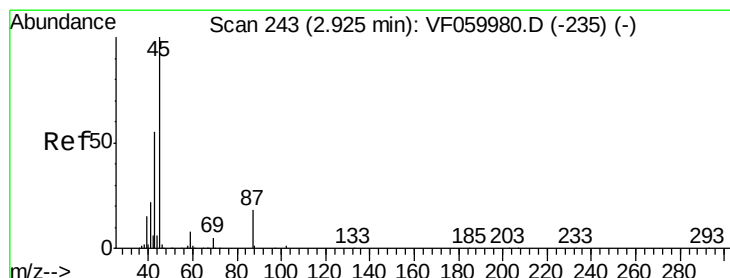
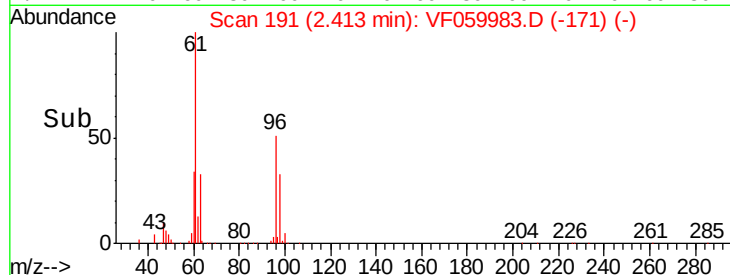
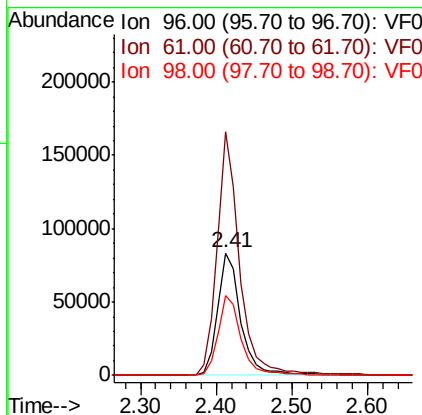
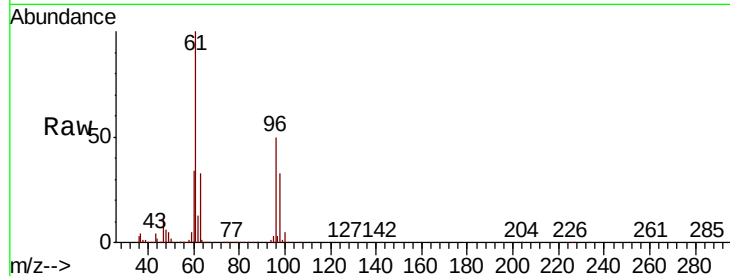
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	180646
Ion Ratio	Lower	Upper	
96	100		
61	198.5	153.0	229.4
98	65.0	55.5	83.3

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#22

Diisopropyl ether

Concen: 117.70 ug/l

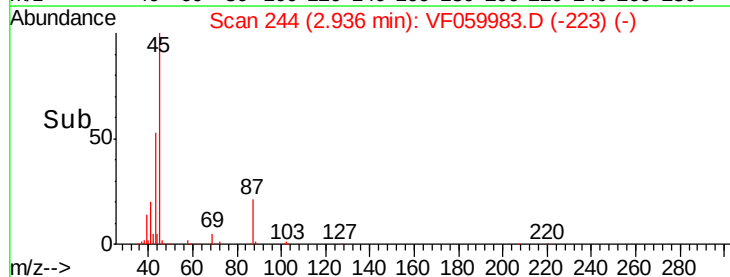
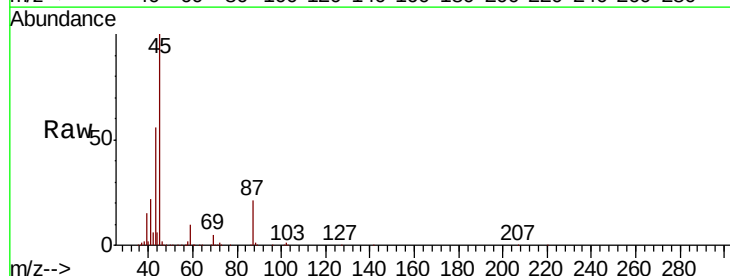
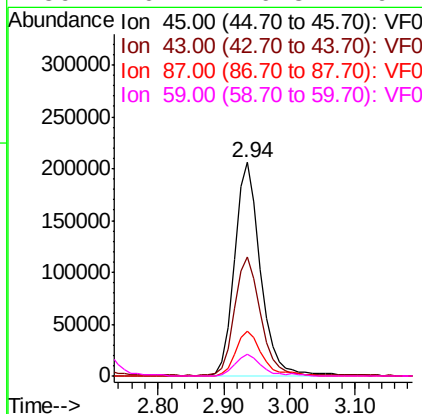
RT: 2.94 min Scan# 244

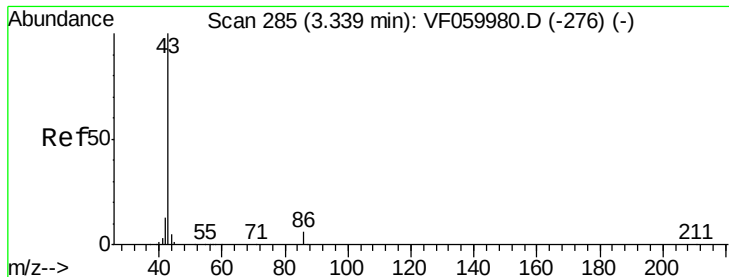
Delta R.T. 0.01 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion:	45	Resp:	569178
Ion Ratio	Lower	Upper	
45	100		
43	55.7	44.8	67.2
87	20.8	14.6	21.8
59	10.1	6.8	10.2





#23

Vinyl Acetate

Concen: 710.95 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1408336

Ion Ratio Lower Upper

43 100

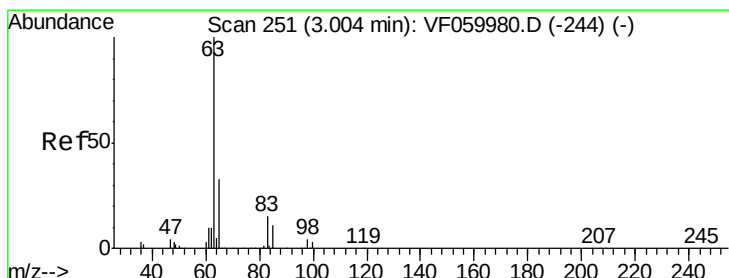
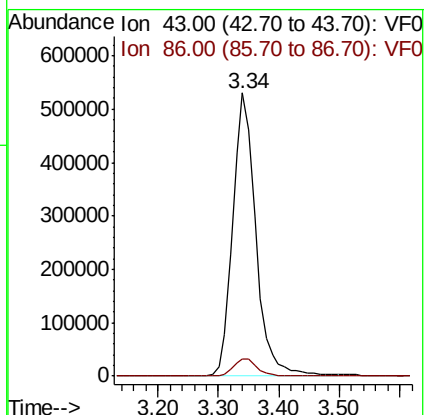
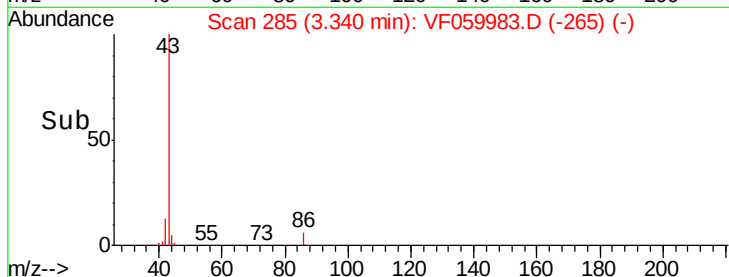
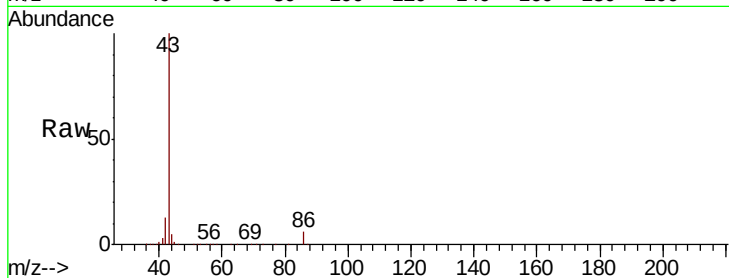
86 6.0 4.4 6.6

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#24

1,1-Dichloroethane

Concen: 117.94 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

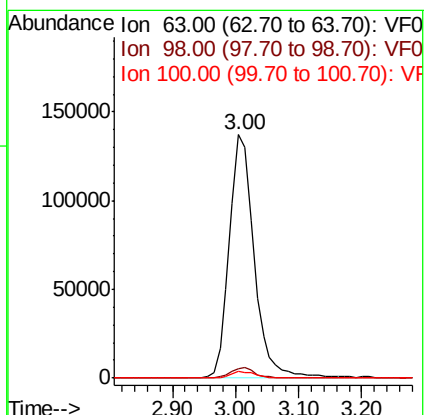
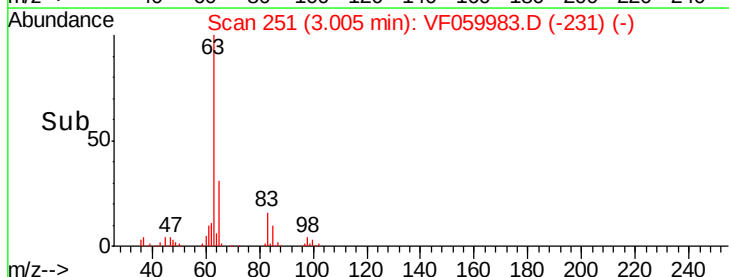
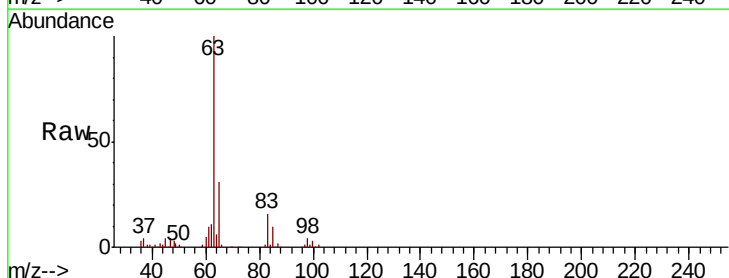
Tgt Ion: 63 Resp: 375324

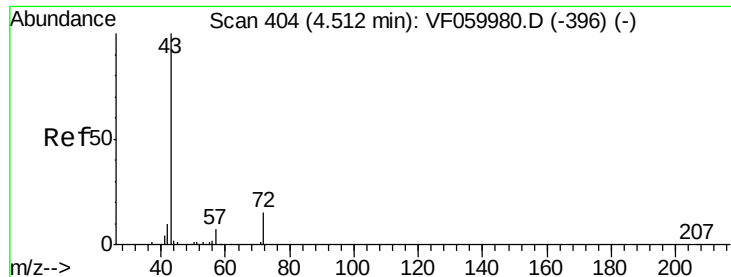
Ion Ratio Lower Upper

63 100

98 4.1 2.0 5.8

100 2.8 1.4 4.2





#25

2-Butanone

Concen: 626.23 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tot Ion: 43 Resp: 430532

Ion Ratio Lower Upper

43 100

72 16.1 12.5 18.7

Instrument :

MSVOA_F

ClientSampleId :

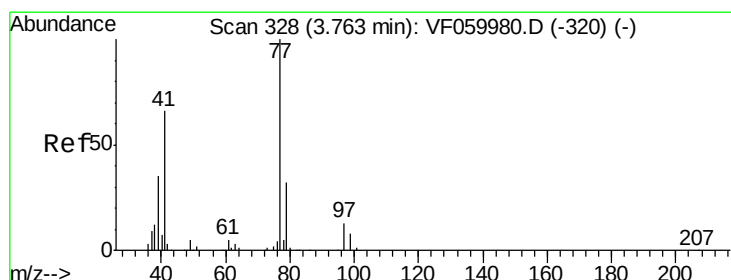
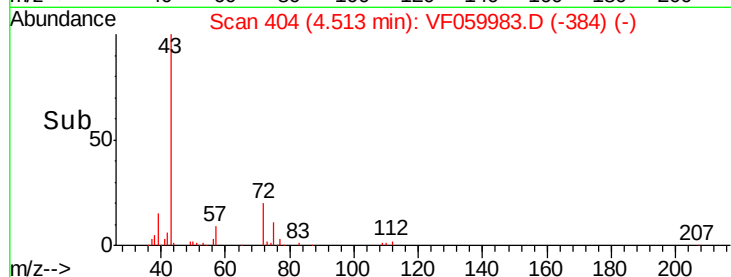
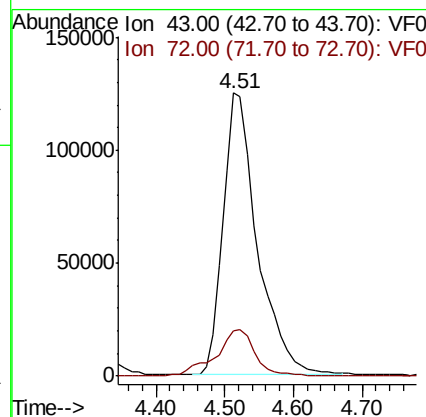
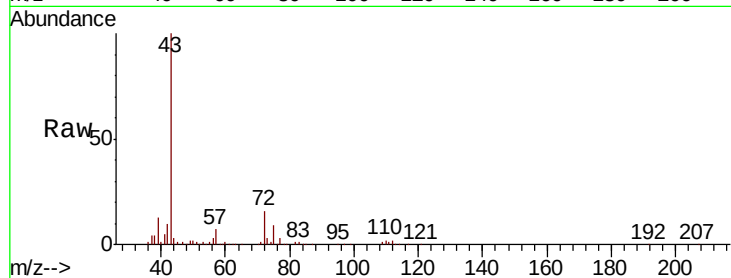
VSTDIC150

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#26

2,2-Dichloropropane

Concen: 147.84 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF059983.D

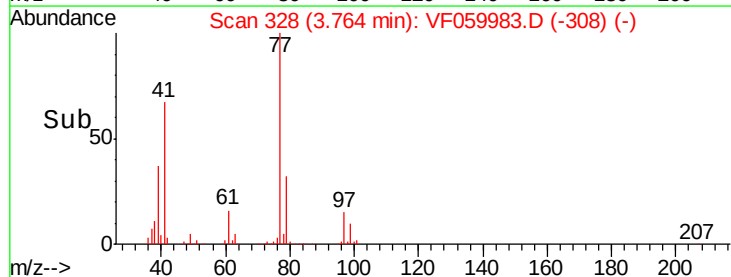
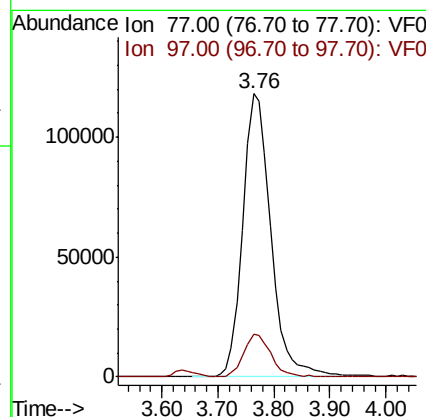
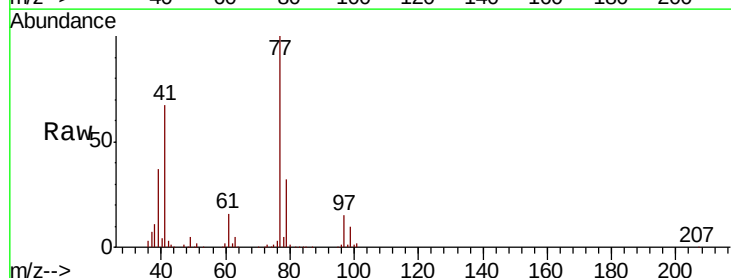
Acq: 17 Aug 2018 19:55

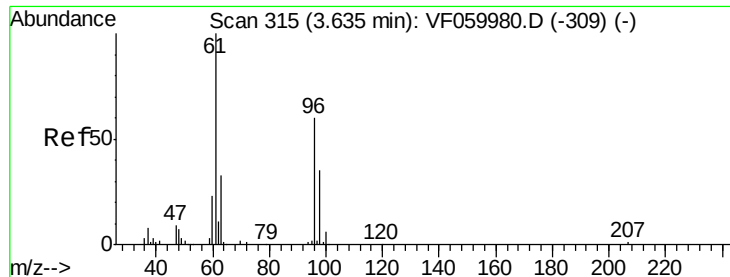
Tgt Ion: 77 Resp: 410619

Ion Ratio Lower Upper

77 100

97 15.2 6.7 20.0





#27

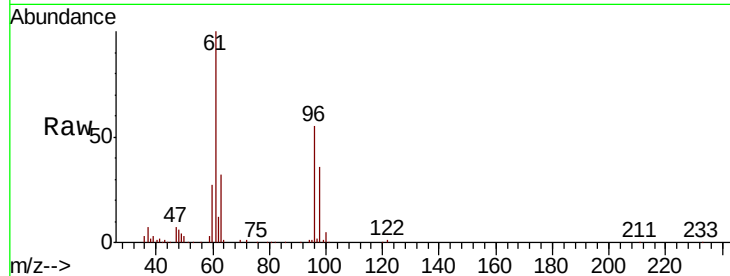
cis-1,2-Dichloroethene
Concen: 141.40 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	181422		
61	180.7	0.0	335.0	
98	64.8	0.0	117.2	

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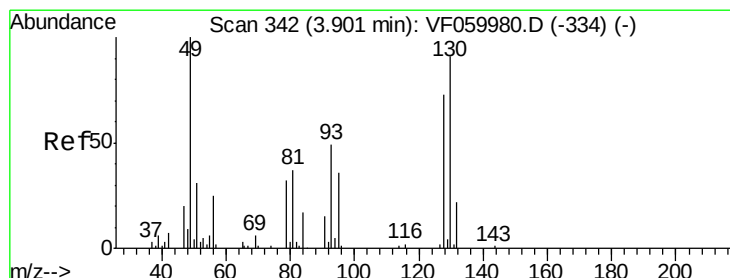
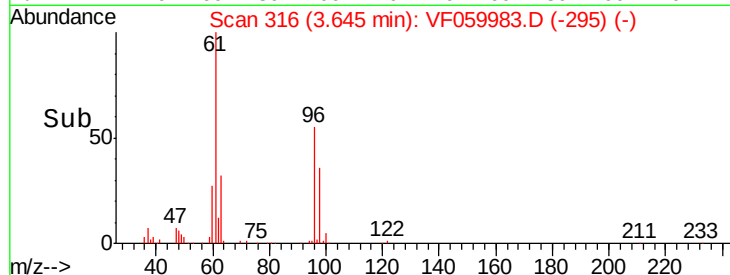
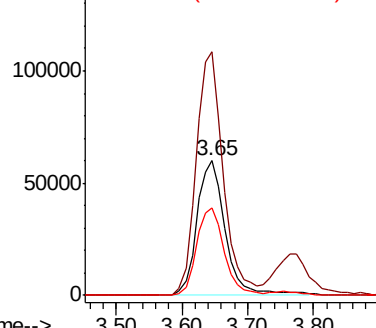


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

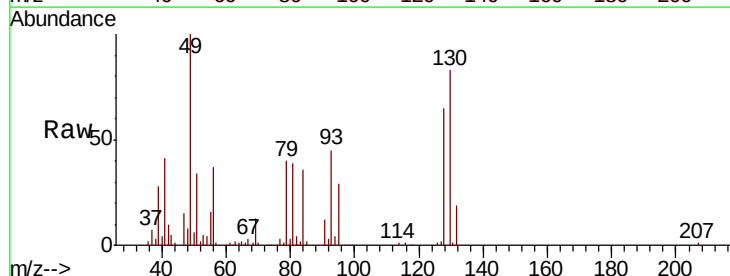
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
Concen: 123.21 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	111849		
129	0.0	0.0	7.6	
130	84.3	71.3	106.9	

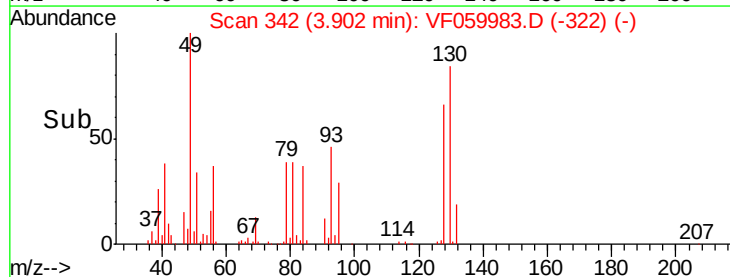
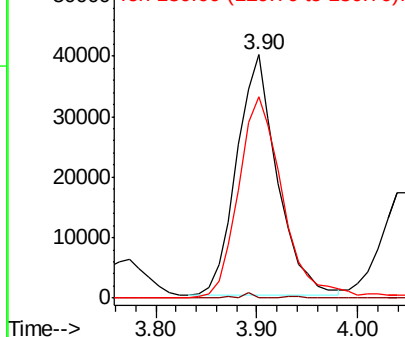


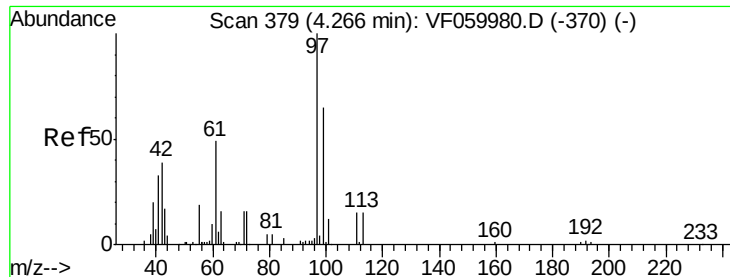
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





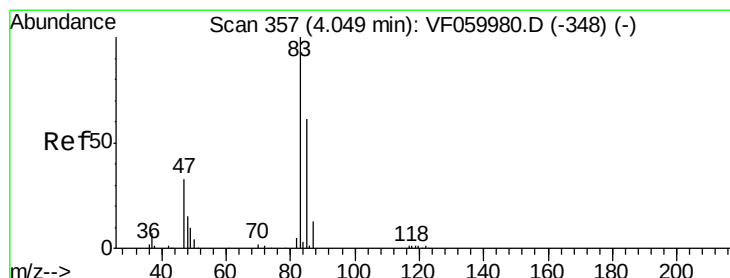
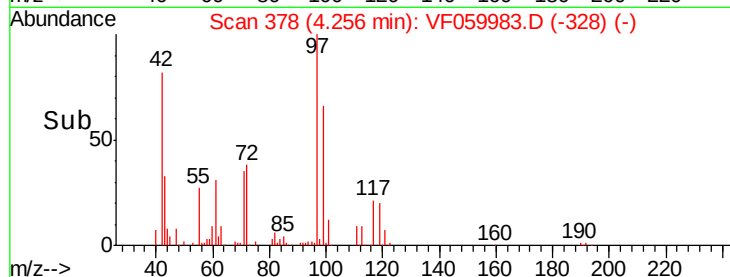
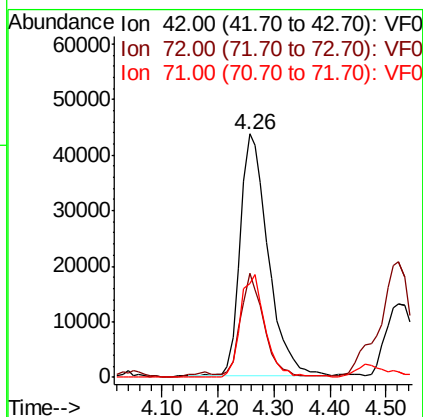
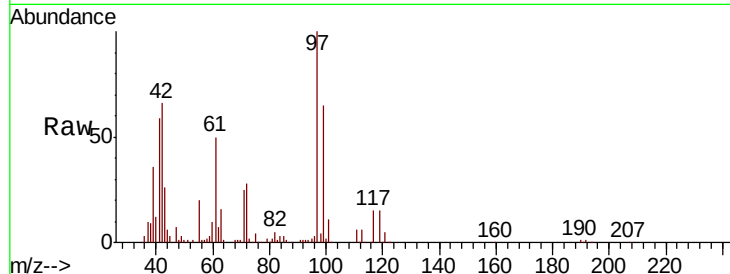
#29
Tetrahydrofuran
Concen: 615.98 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.8	44.6
71	37.5	29.0	43.4

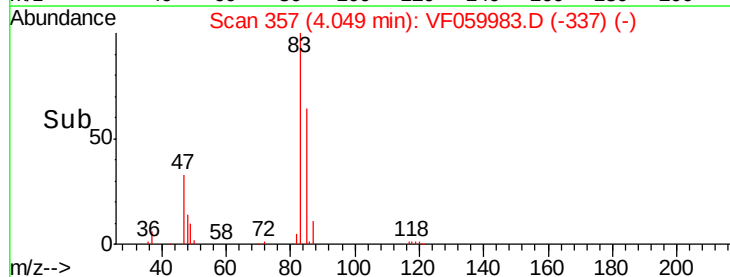
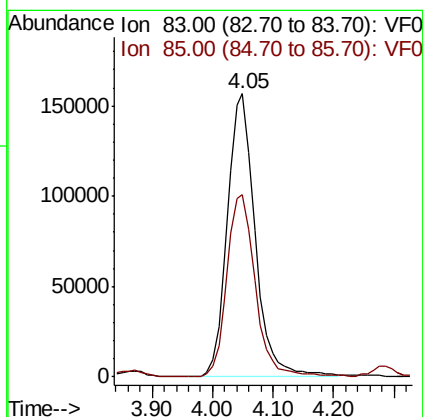
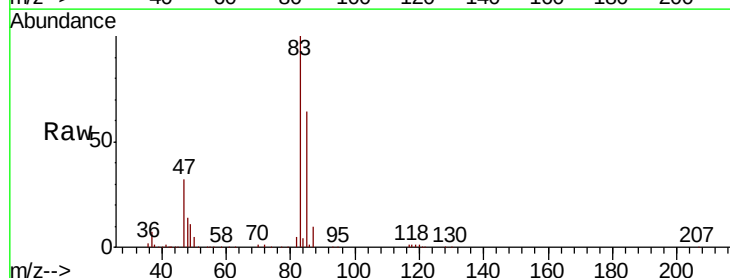
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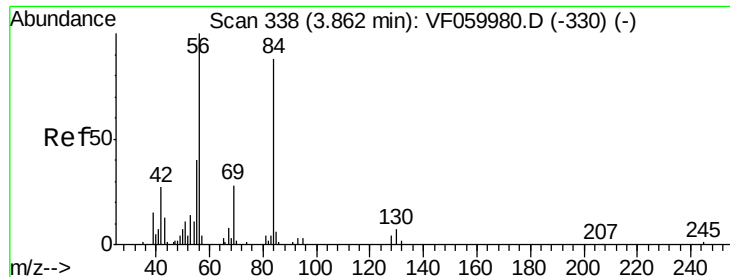
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#30
Chloroform
Concen: 138.07 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	48.8	73.2





#31

Cyclohexane

Concen: 137.08 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

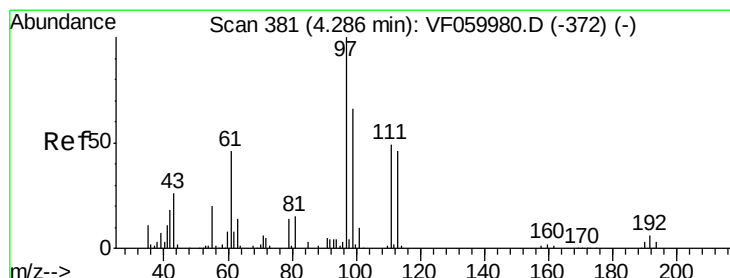
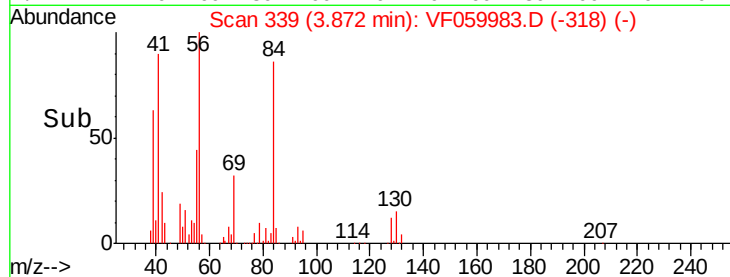
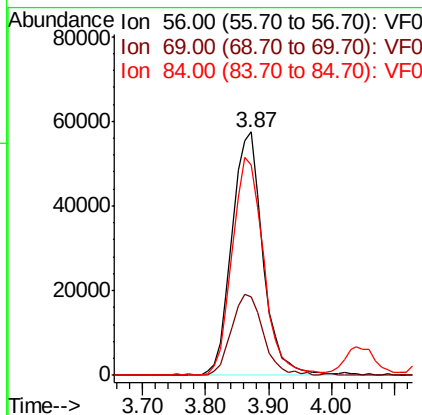
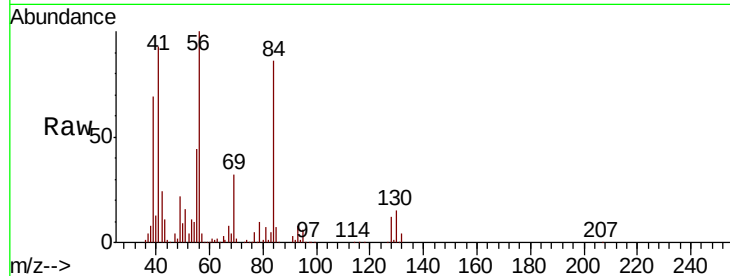
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	196035
Ion	Ratio	Lower	Upper
56	100		
69	32.2	22.8	34.2
84	86.3	70.7	106.1

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#32

1,1,1-Trichloroethane

Concen: 131.89 ug/l

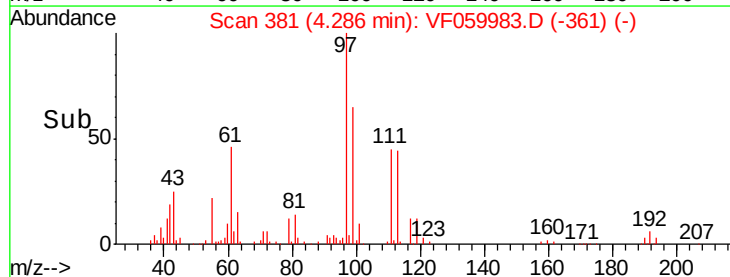
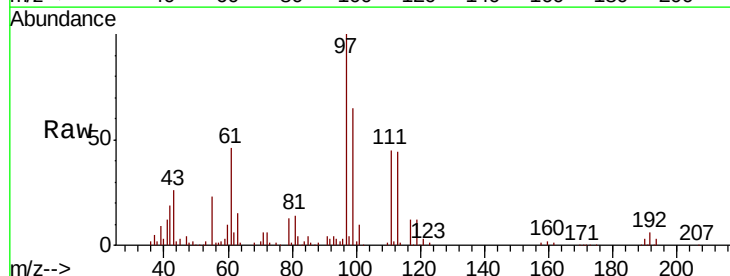
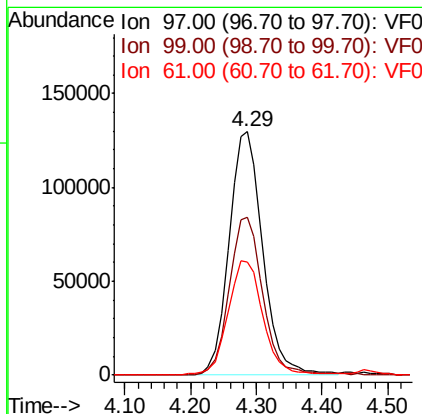
RT: 4.29 min Scan# 381

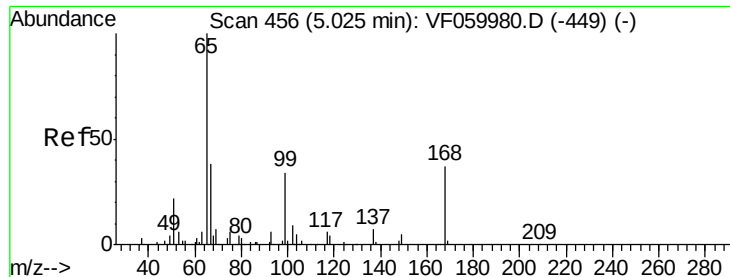
Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion:	97	Resp:	466093
Ion	Ratio	Lower	Upper
97	100		
99	64.9	53.1	79.7
61	46.4	38.2	57.2





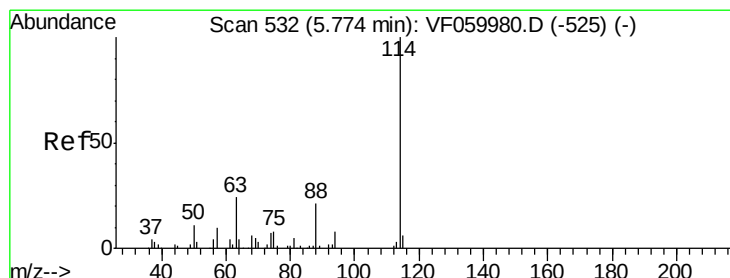
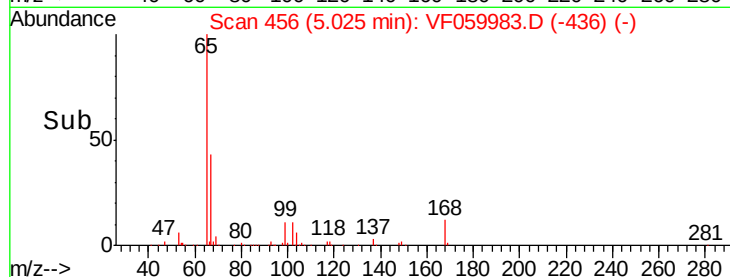
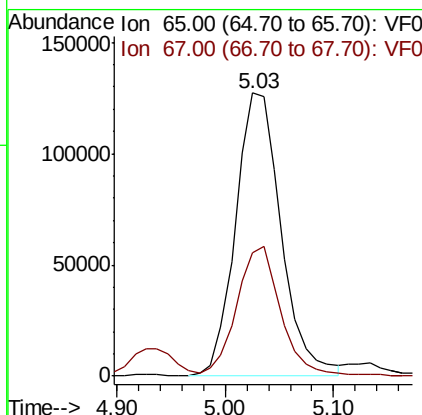
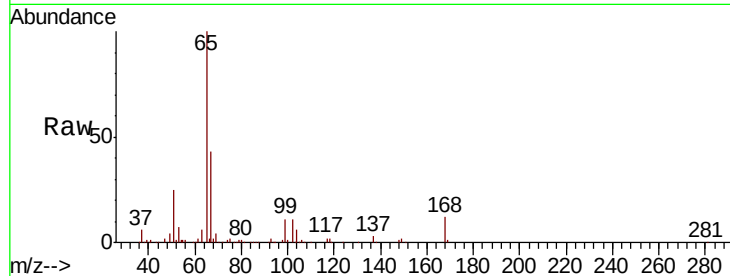
#33
 1,2-Dichloroethane-d4
 Concen: 135.97 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	43.4	0.0	82.6

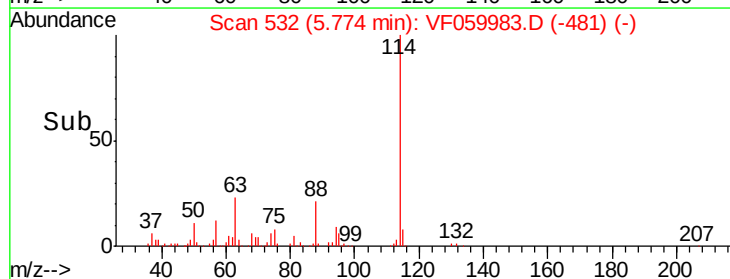
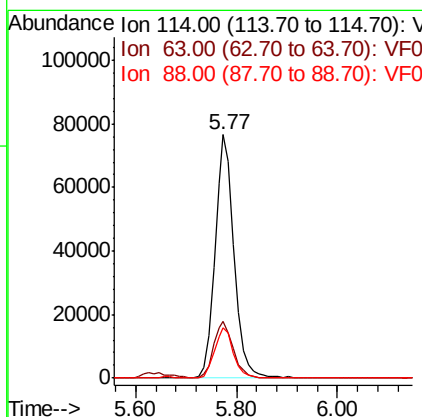
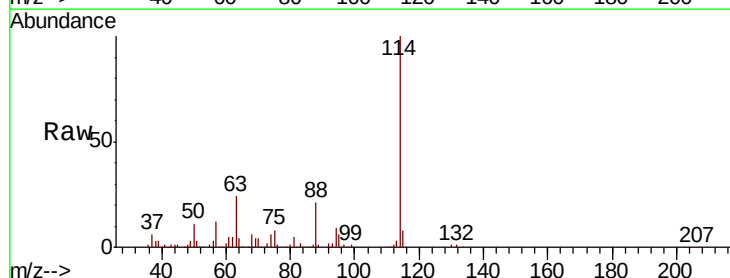
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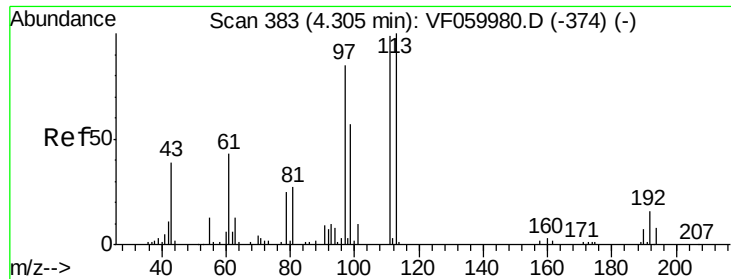
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	48.6
88	20.9	0.0	42.8





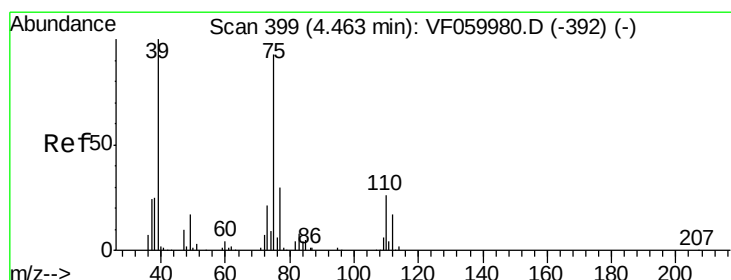
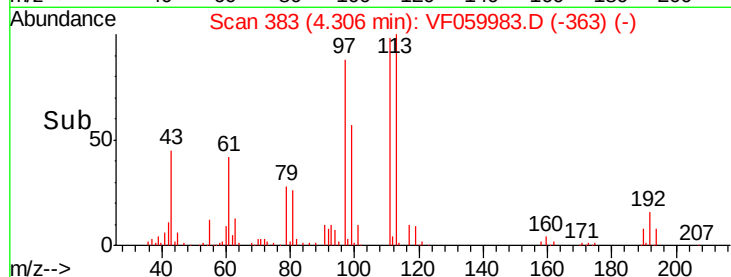
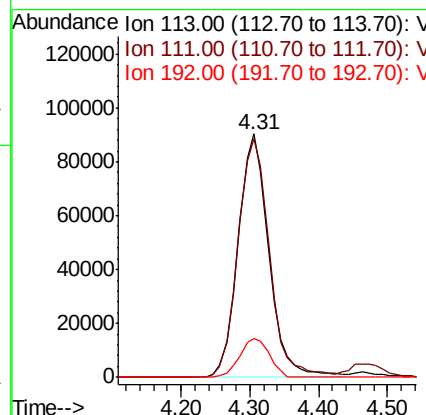
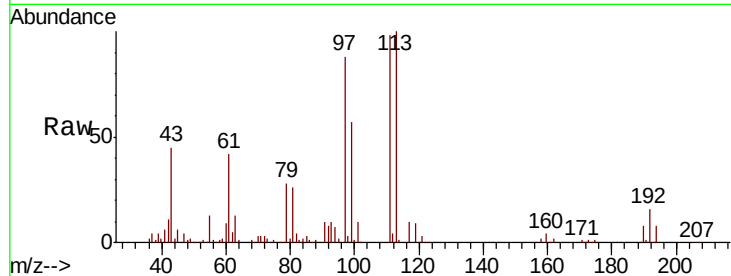
#35
 Dibromofluoromethane
 Concen: 135.29 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.8	79.5	119.3
192	16.2	12.4	18.6

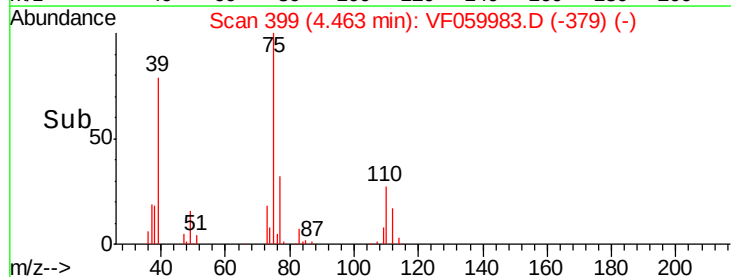
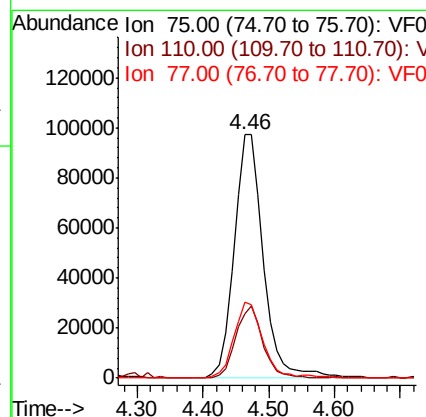
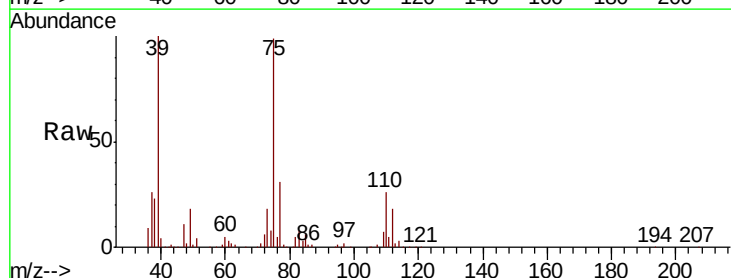
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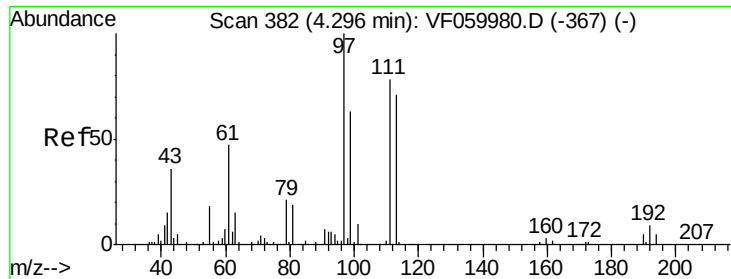
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#36
 1,1-Dichloropropene
 Concen: 131.59 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	26.5	13.8	41.4
77	31.4	25.8	38.8





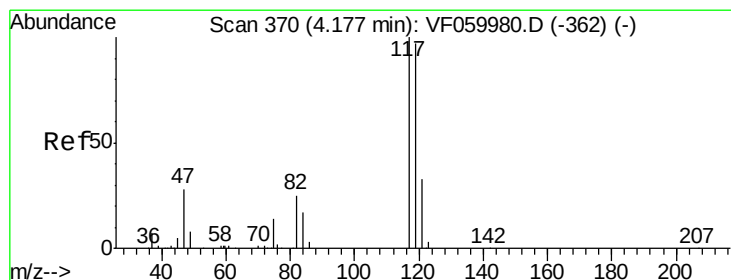
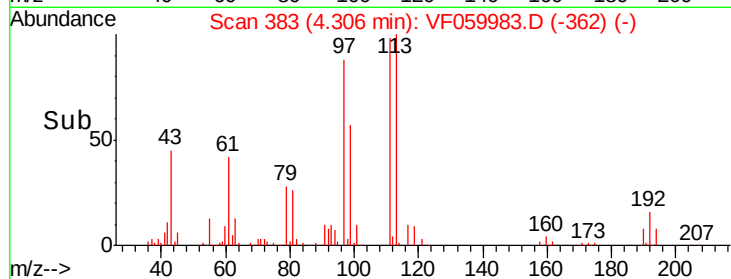
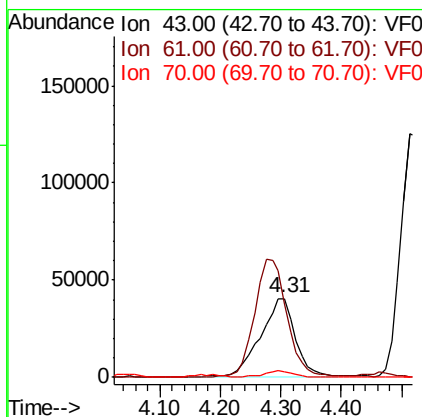
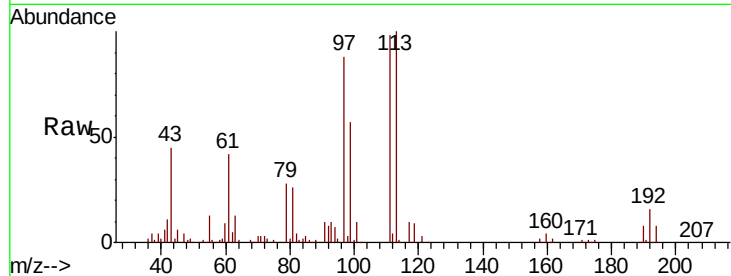
#37
Ethyl Acetate
Concen: 120.05 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	93.1	104.5	156.7#
70	6.9	5.9	8.9

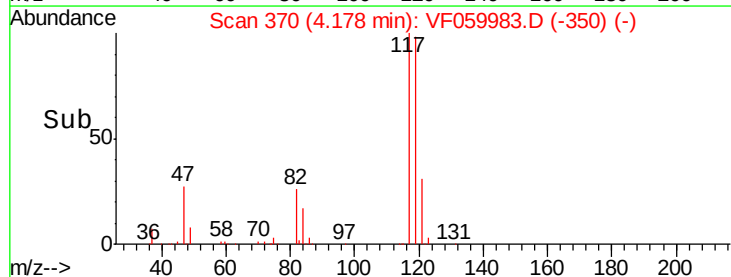
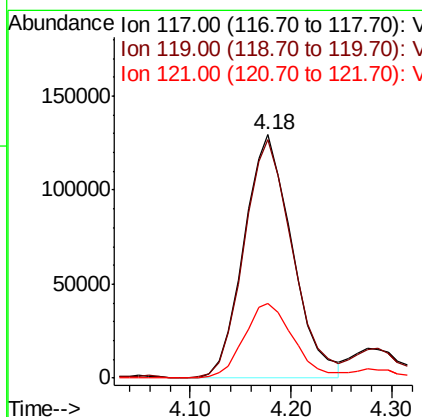
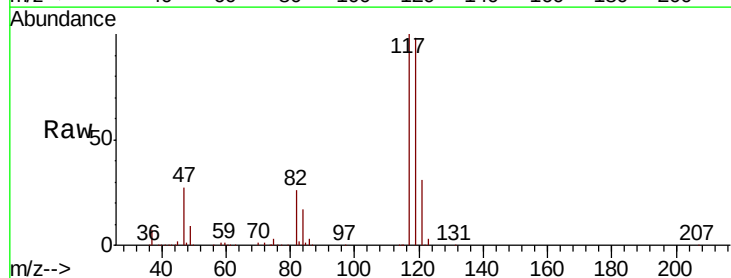
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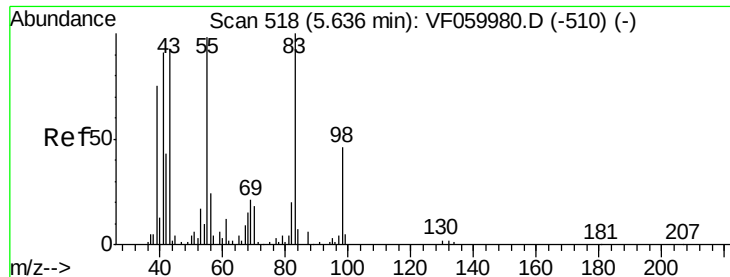
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#38
Carbon Tetrachloride
Concen: 129.95 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.8	116.6
121	30.6	26.0	39.0





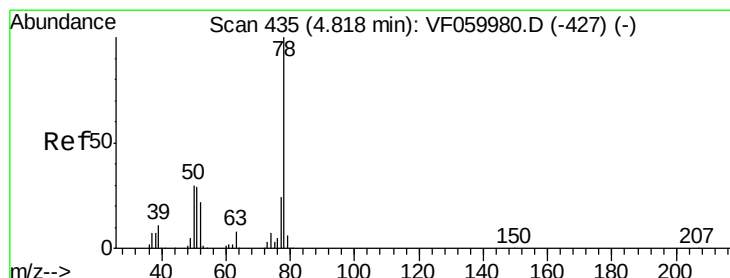
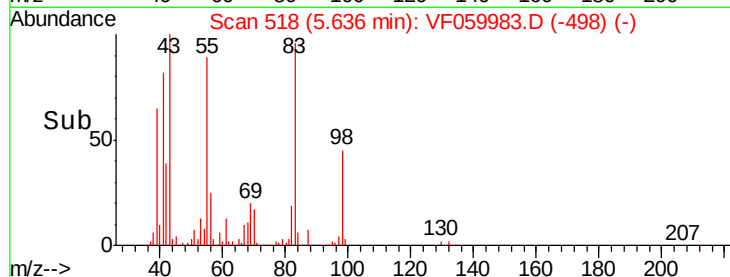
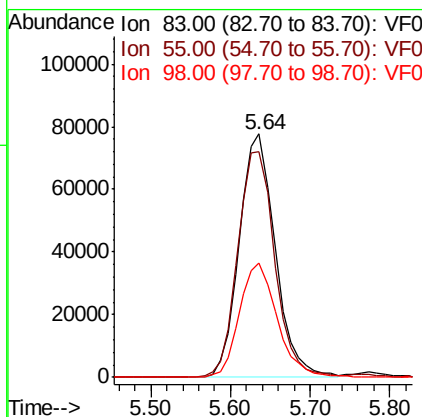
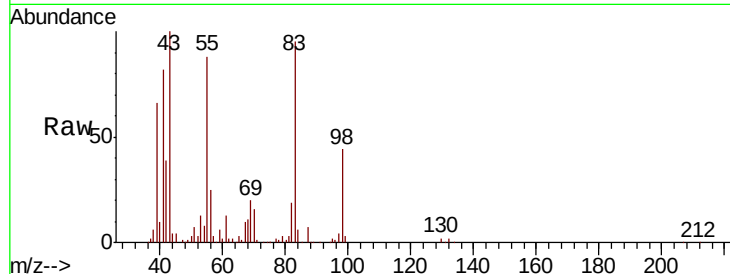
#39
Methylvlcyclohexane
Concen: 140.19 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.7	78.8	118.2
98	46.7	36.8	55.2

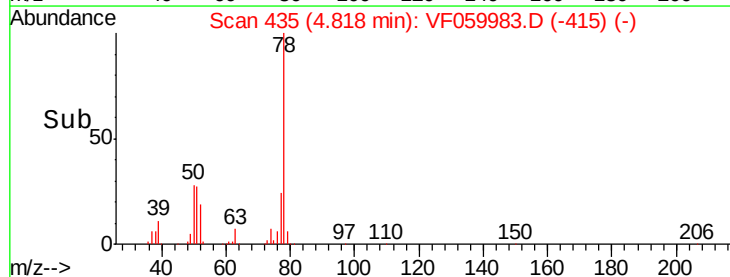
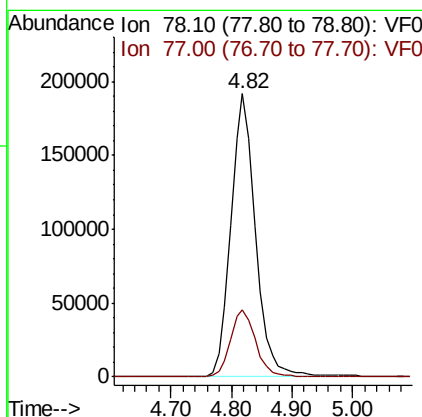
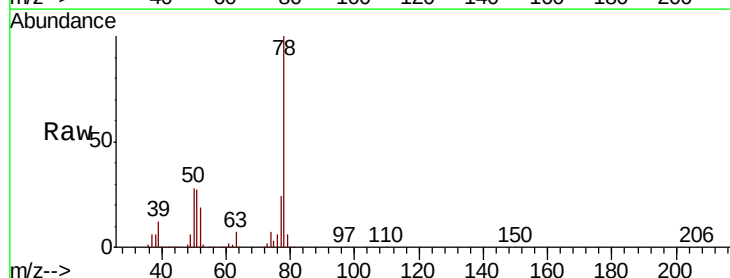
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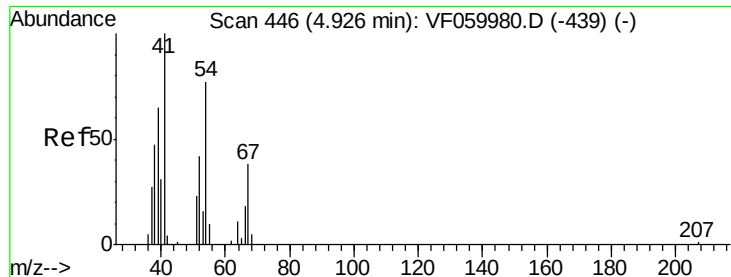
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#40
Benzene
Concen: 138.92 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





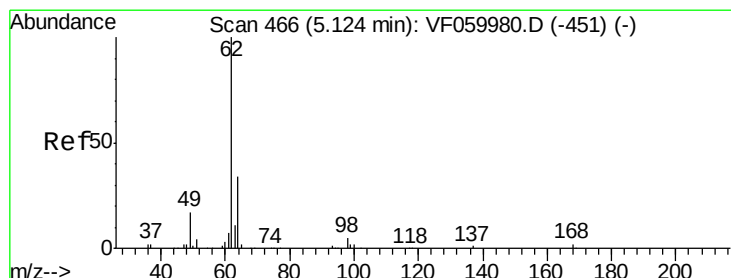
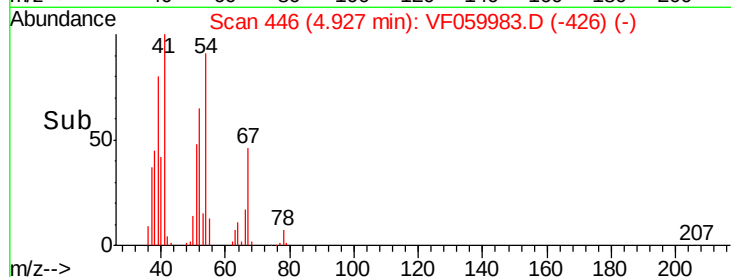
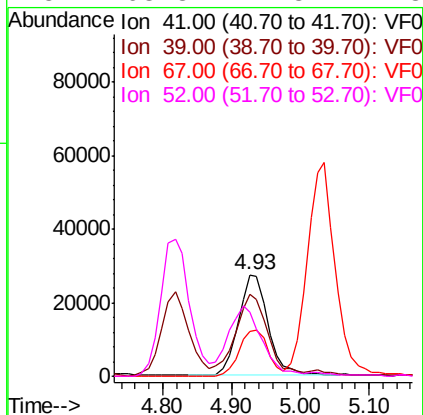
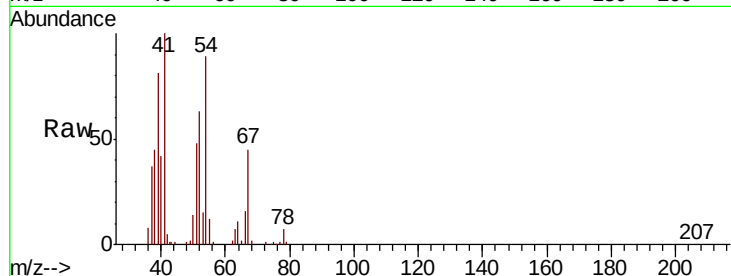
#41
Methacrylonitrile
Concen: 125.50 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	81.2	62.9	94.3	
67	44.7	30.4	45.6	
52	63.3	47.8	71.8	

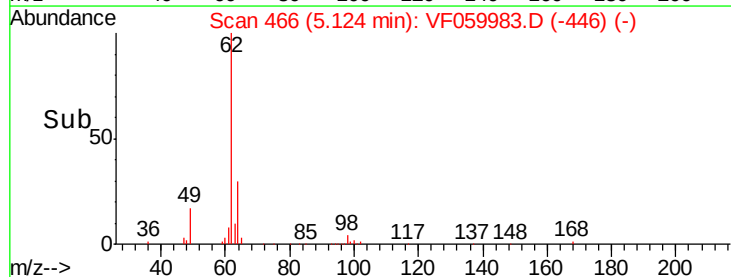
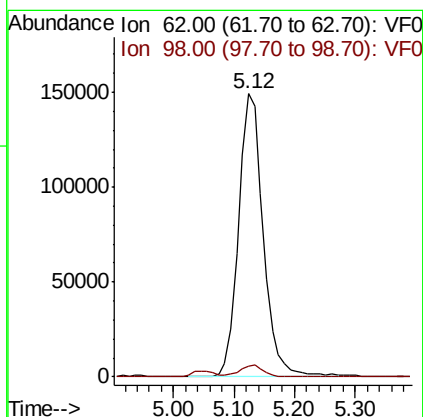
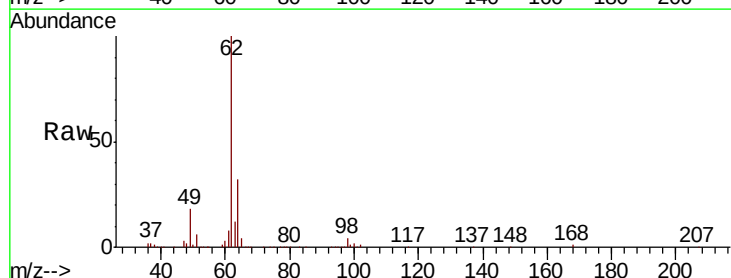
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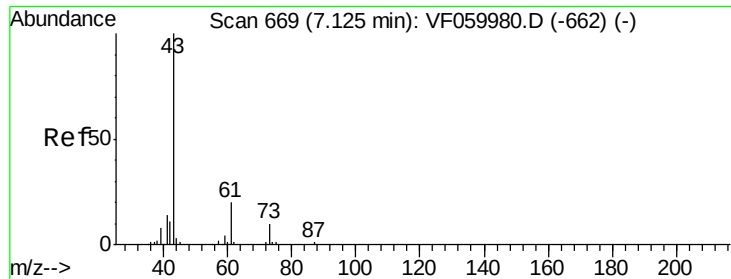
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#42
1,2-Dichloroethane
Concen: 126.03 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	3.8	0.0	9.0	





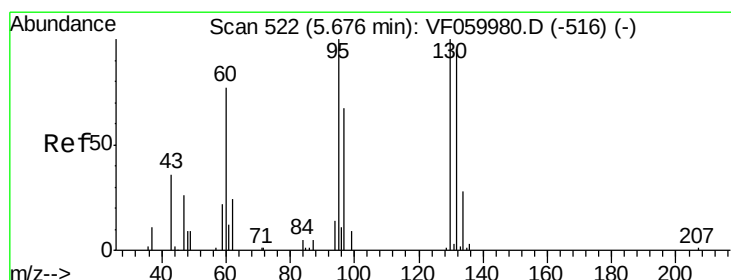
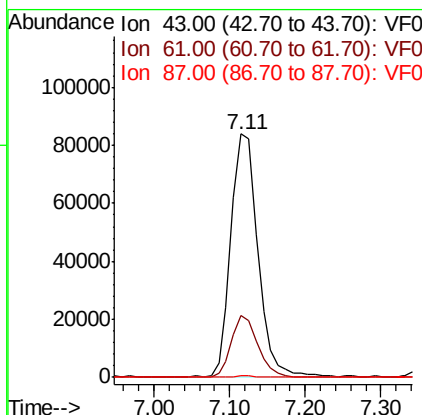
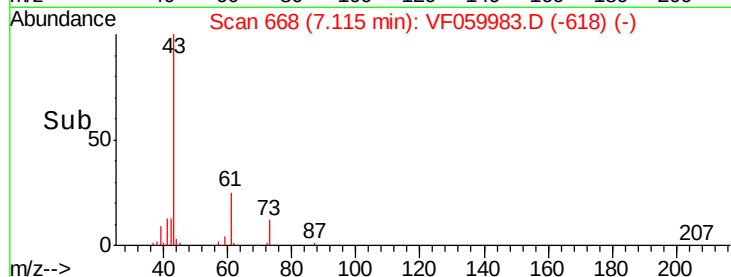
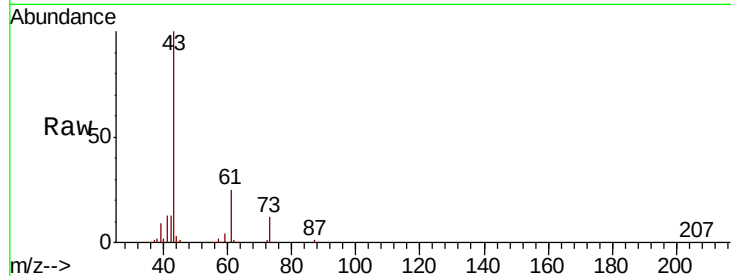
#43
Isopropyl Acetate
Concen: 140.29 ug/l
RT: 7.11 min Scan# 668
Delta R.T. -0.01 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	15.8	23.8#
87	0.6	0.6	0.8

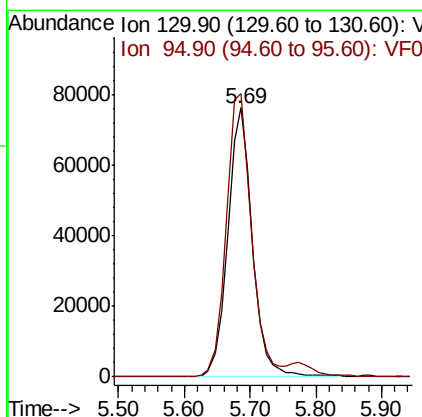
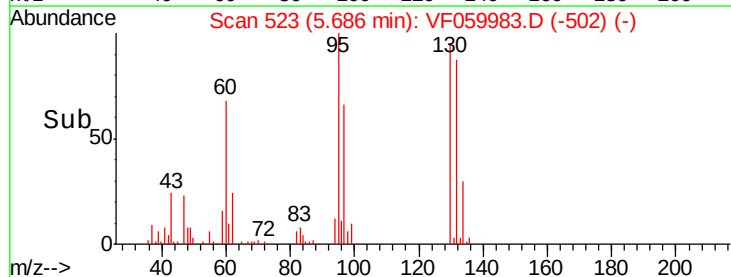
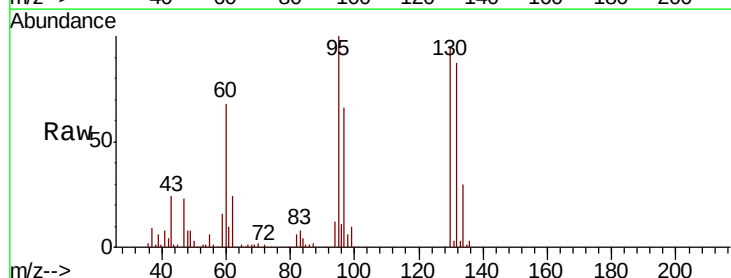
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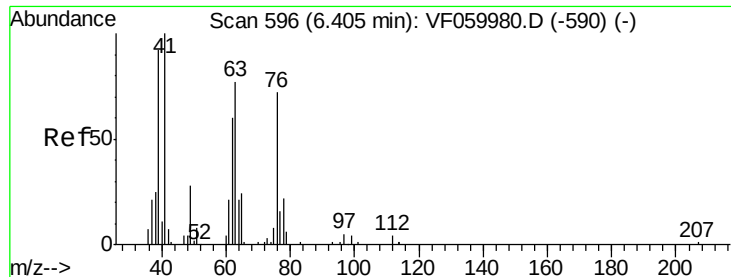
apatel
8/20/2018 11:49:25 AM



#44
Trichloroethene
Concen: 131.55 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.01 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	201.8





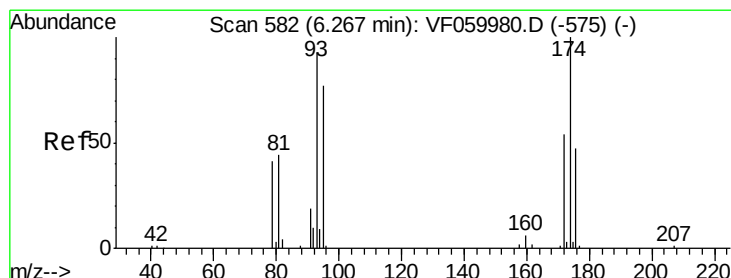
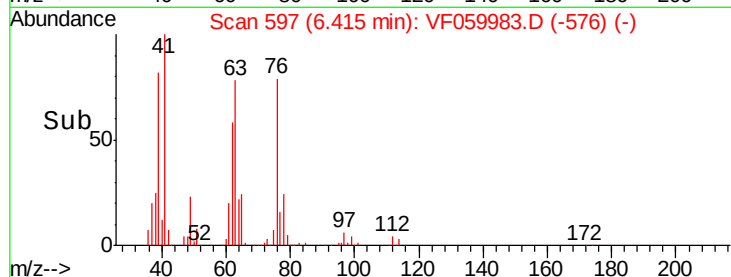
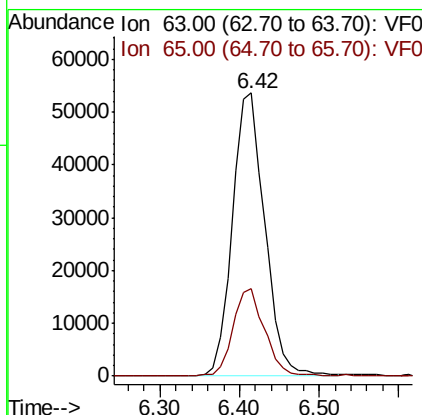
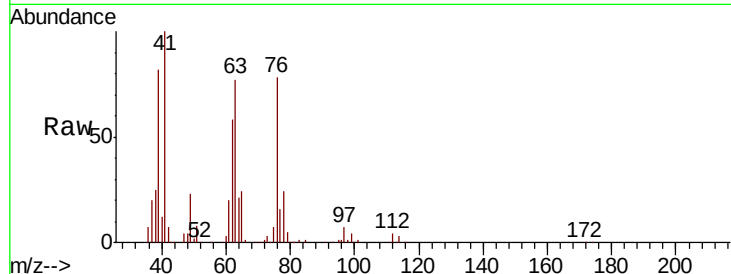
#45
 1,2-Dichloropropane
 Concen: 136.43 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 151446
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

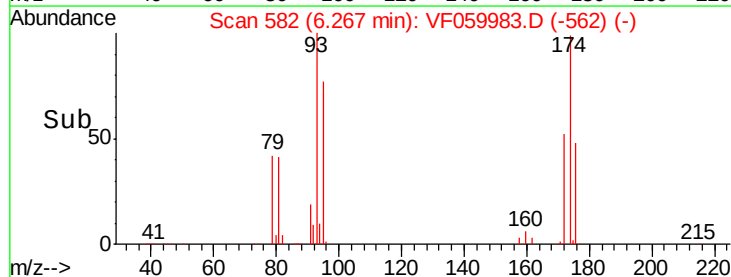
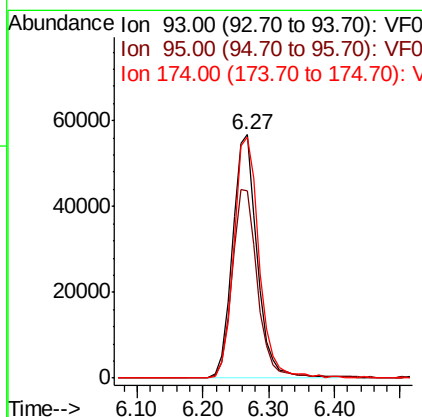
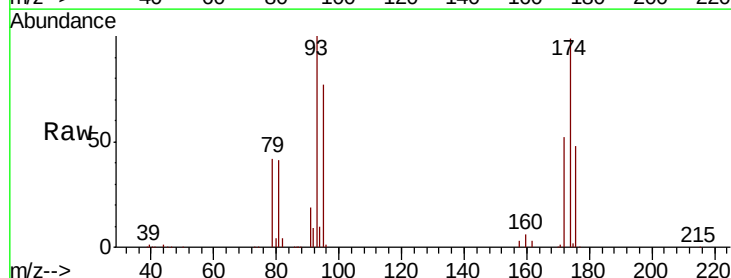
Manual Integrations
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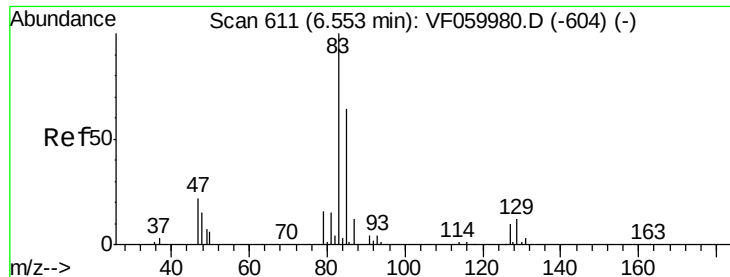
apatel
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#46
 Dibromomethane
 Concen: 132.36 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion: 93 Resp: 149016
 Ion Ratio Lower Upper
 93 100
 95 77.1 67.0 100.4
 174 99.1 85.7 128.5





#47

Bromodichloromethane

Concen: 139.79 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

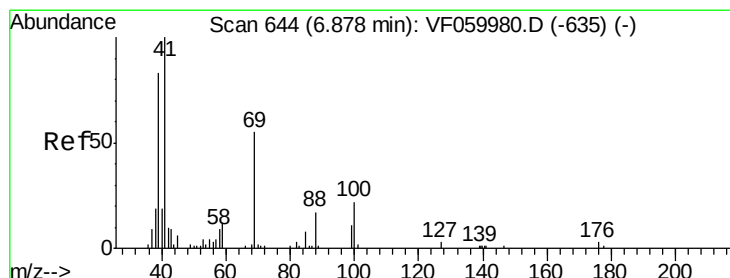
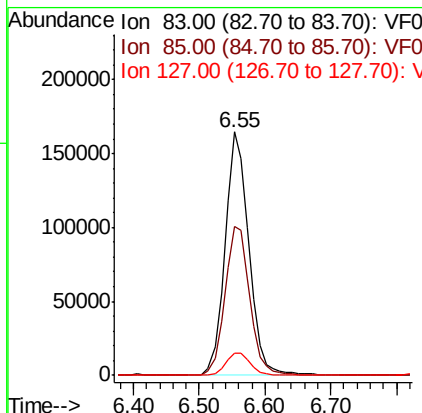
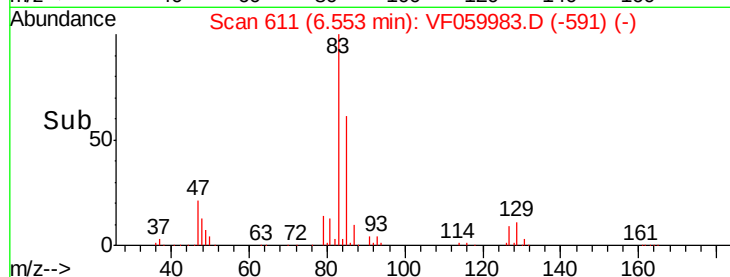
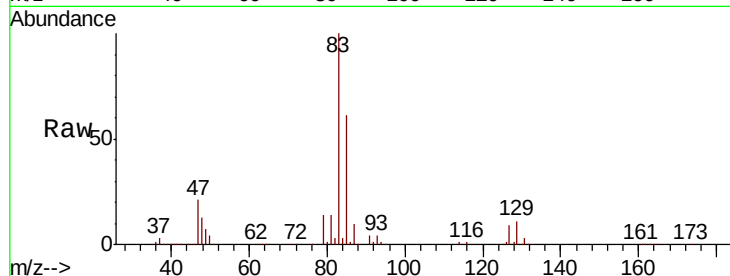
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	415639
Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.4	77.0
127	8.8	8.2	12.2

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#48

Methyl methacrylate

Concen: 143.08 ug/l

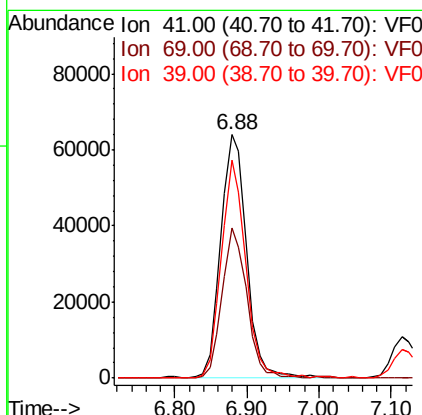
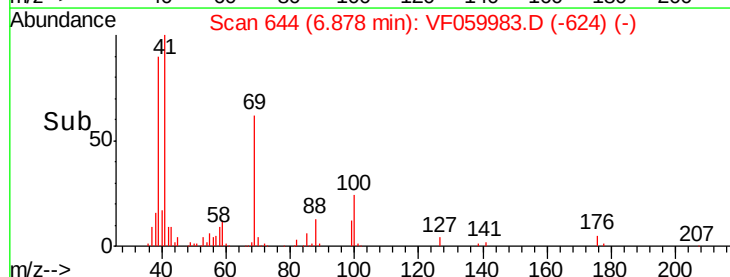
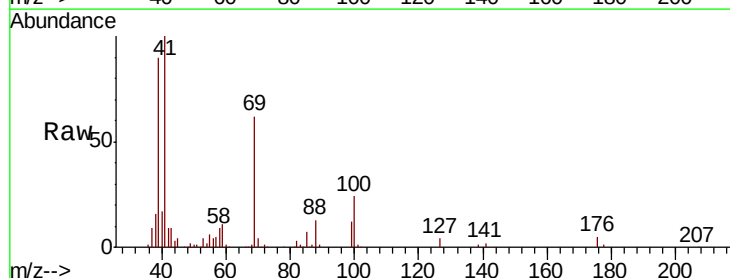
RT: 6.88 min Scan# 644

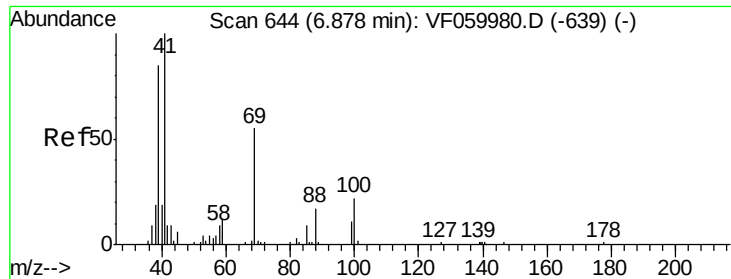
Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion:	41	Resp:	156801
Ion	Ratio	Lower	Upper
41	100		
69	61.6	44.4	66.6
39	89.8	67.8	101.6





#49

1,4-Dioxane

Concen: 3086.27 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

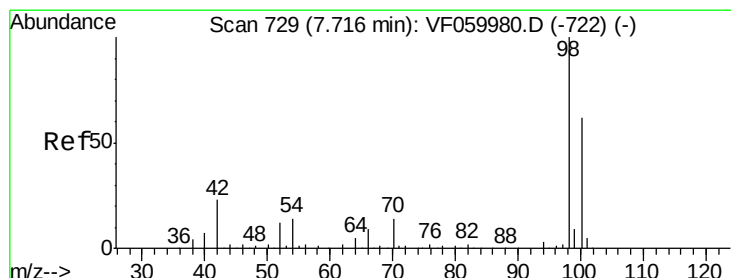
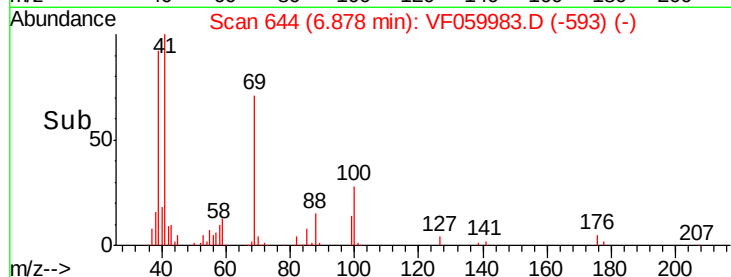
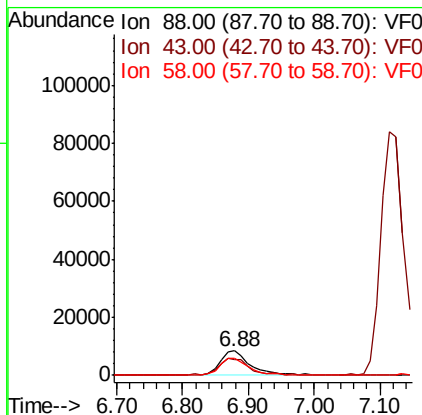
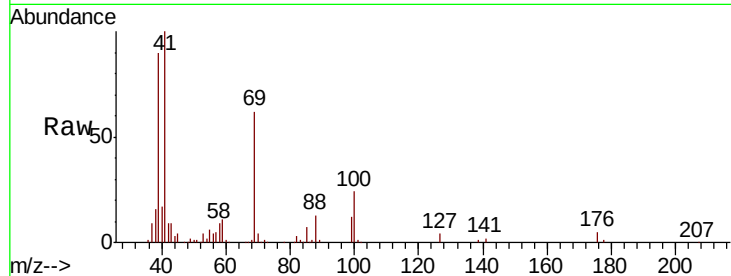
ClientSampleId :

VSTDIC150

Tot Ion	88	Resp	27075
Ion	Ratio	Lower	Upper
88	100		
43	66.7	43.2	64.8#
58	69.3	42.0	63.0#

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#50

Toluene-d8

Concen: 140.29 ug/l

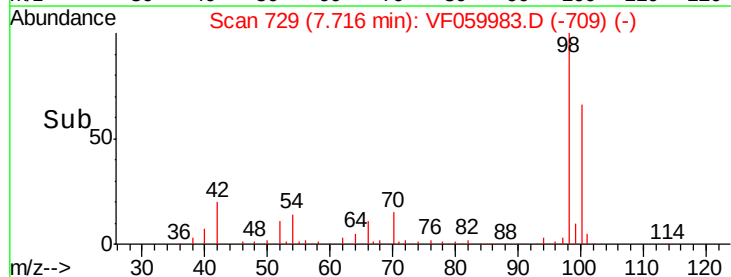
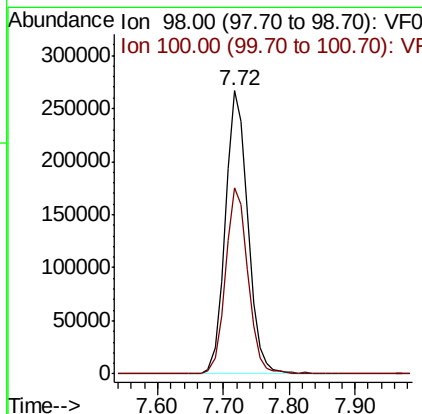
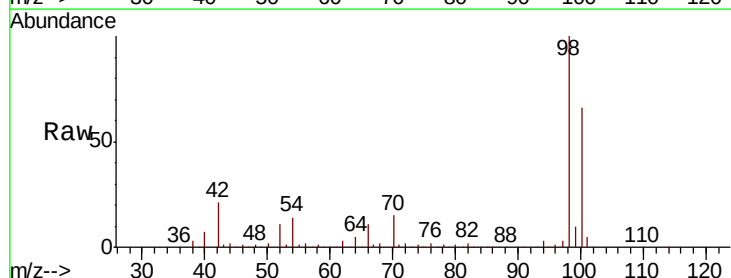
RT: 7.72 min Scan# 729

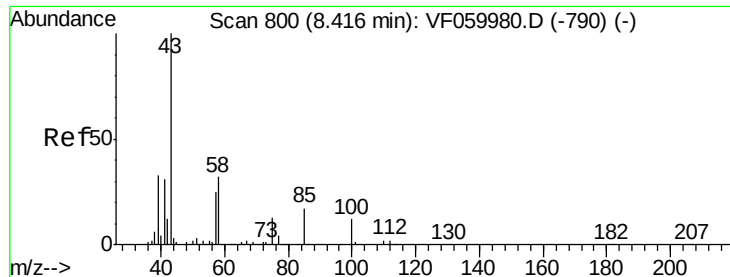
Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion	98	Resp	641623
Ion	Ratio	Lower	Upper
98	100		
100	65.8	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 610.83 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 838608

Ion Ratio Lower Upper

43 100

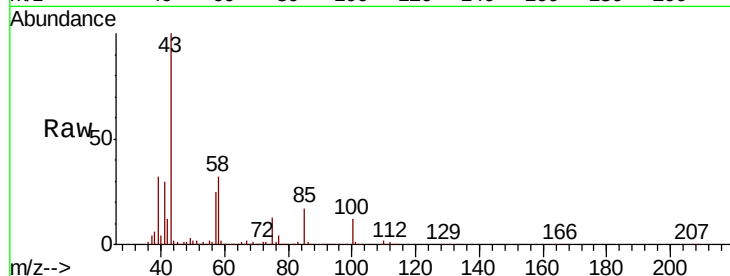
58 31.7 25.6 38.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

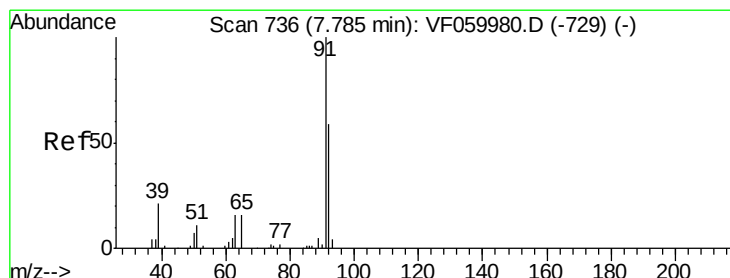
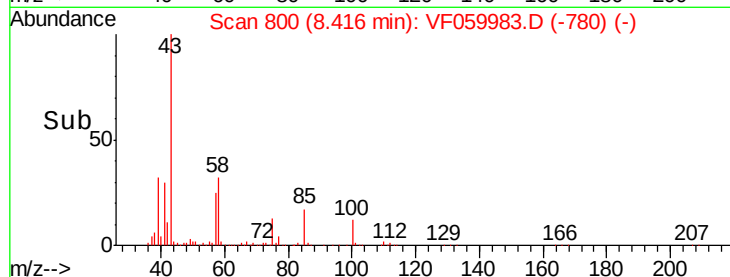
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 131.22 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059983.D

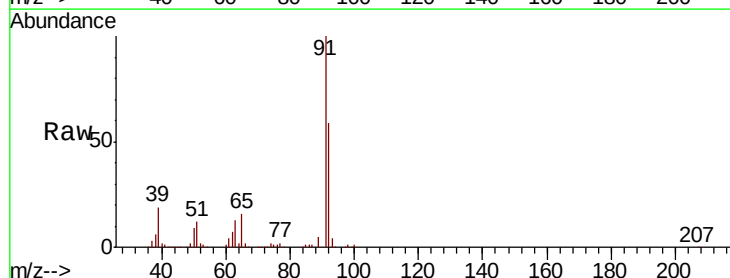
Acq: 17 Aug 2018 19:55

Tgt Ion: 92 Resp: 384629

Ion Ratio Lower Upper

92 100

91 168.1 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

300000

250000

200000

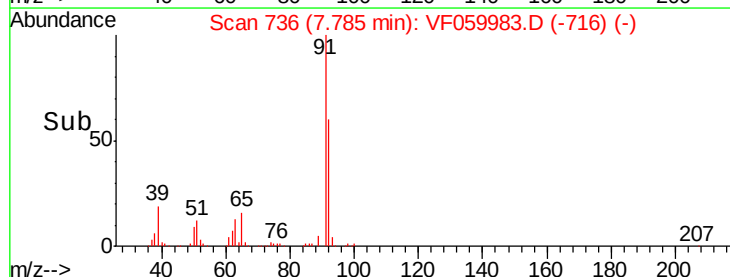
150000

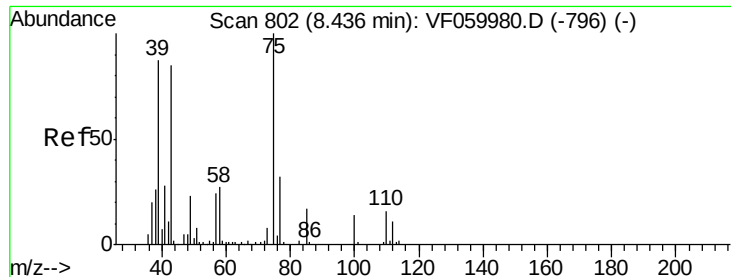
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 137.12 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 346173

Ion Ratio Lower Upper

75 100

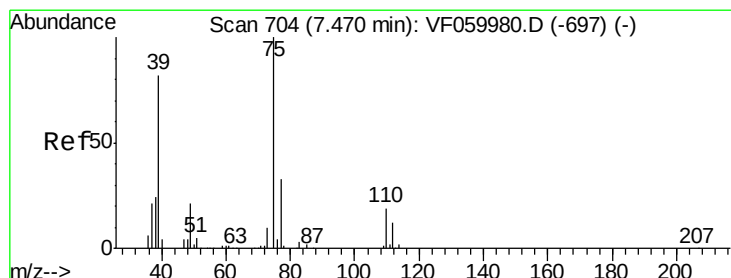
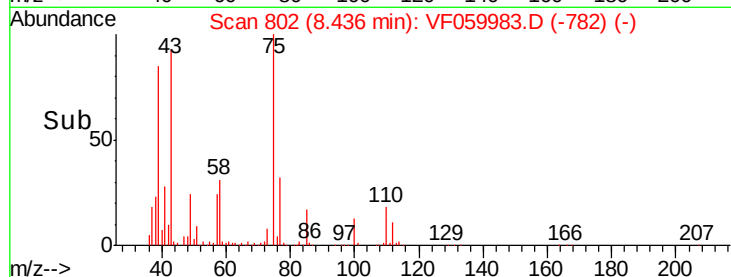
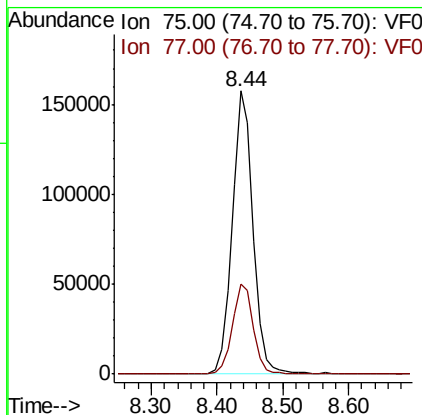
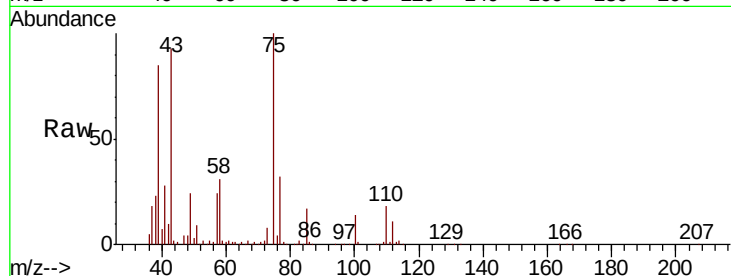
77 31.8 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 143.72 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

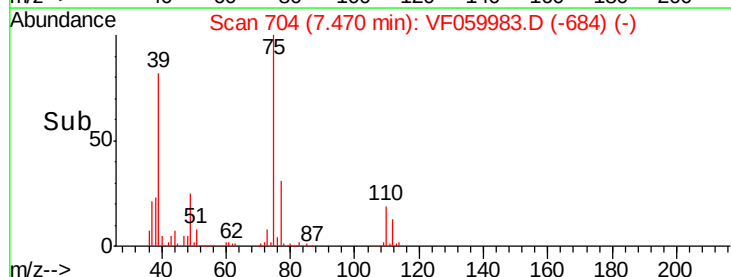
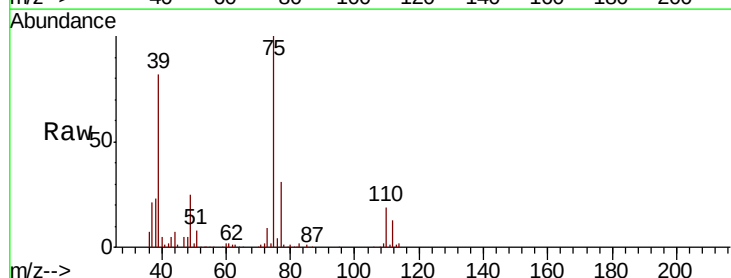
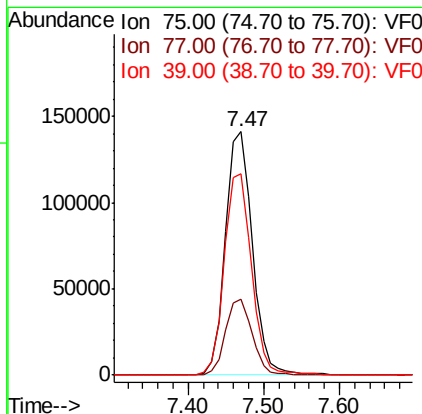
Tgt Ion: 75 Resp: 349741

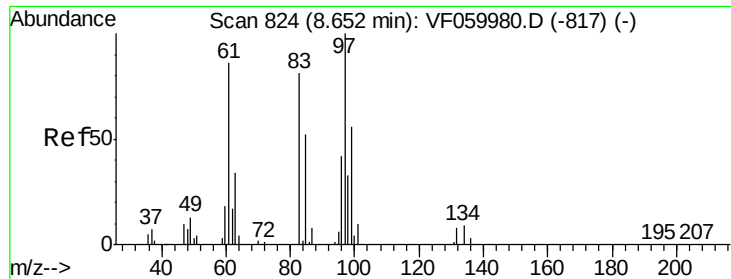
Ion Ratio Lower Upper

75 100

77 31.2 26.0 39.0

39 82.5 65.3 97.9





#55

1,1,2-Trichloroethane

Concen: 134.75 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

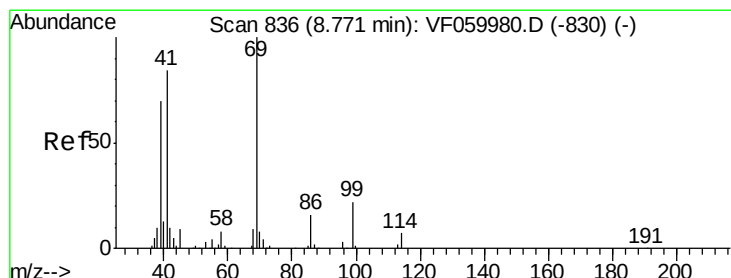
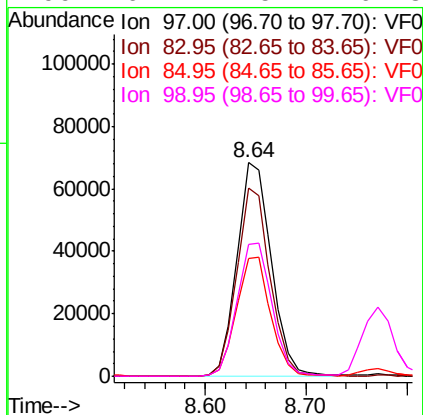
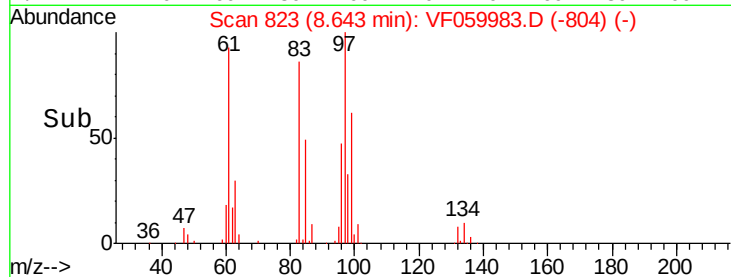
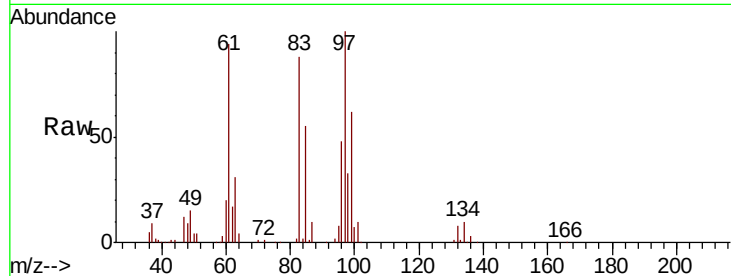
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	161945
Ion	Ratio	Lower	Upper
97	100		
83	88.2	64.9	97.3
85	54.9	41.8	62.6
99	61.7	45.2	67.8

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#56

Ethyl methacrylate

Concen: 142.38 ug/l

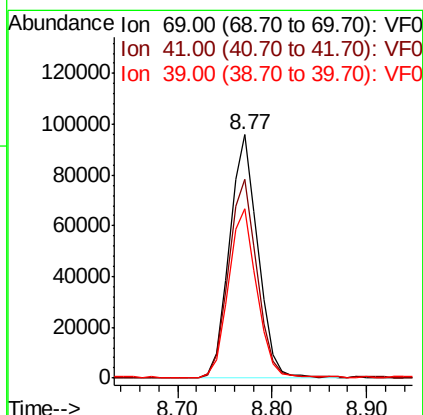
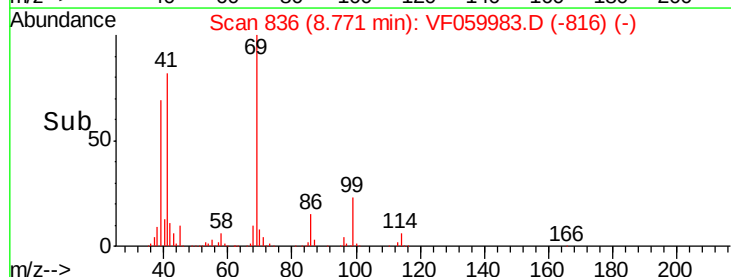
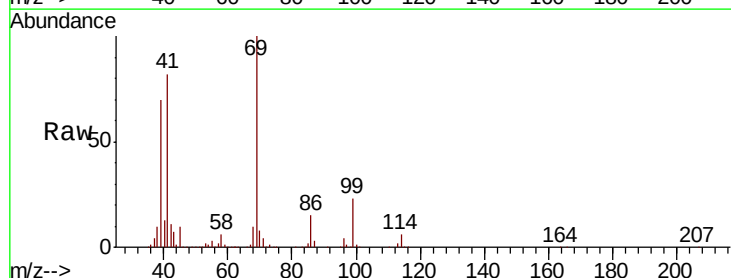
RT: 8.77 min Scan# 836

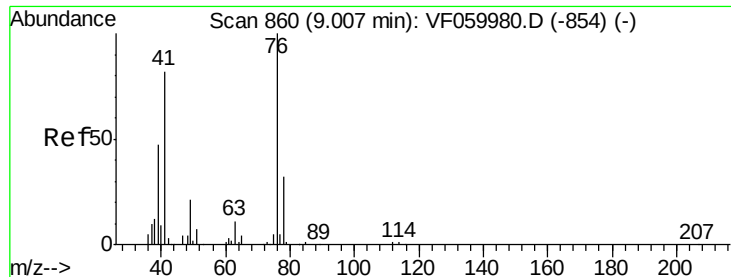
Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion:	69	Resp:	199374
Ion	Ratio	Lower	Upper
69	100		
41	81.5	67.8	101.6
39	69.5	55.8	83.6





#57

1,3-Dichloropropane

Concen: 133.22 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 284394

Ion Ratio Lower Upper

76 100

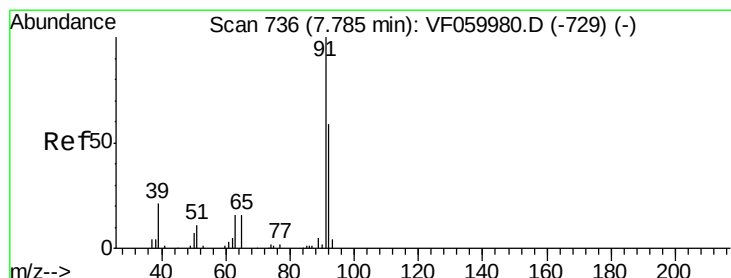
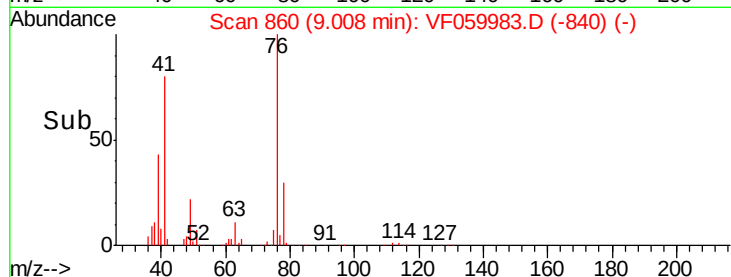
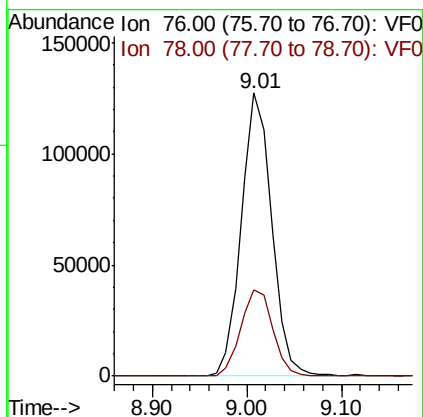
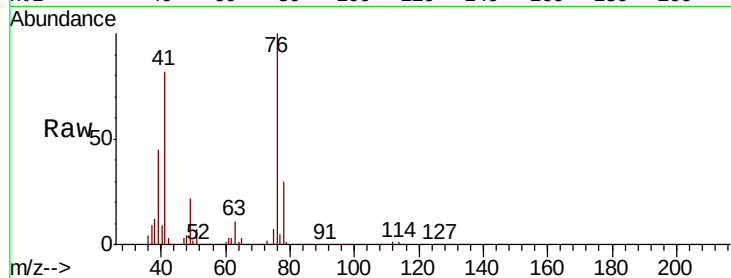
78 30.4 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 777.41 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059983.D

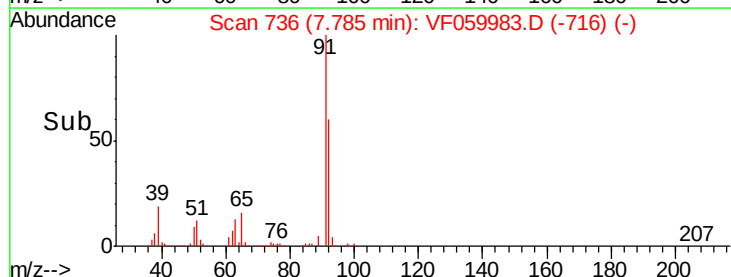
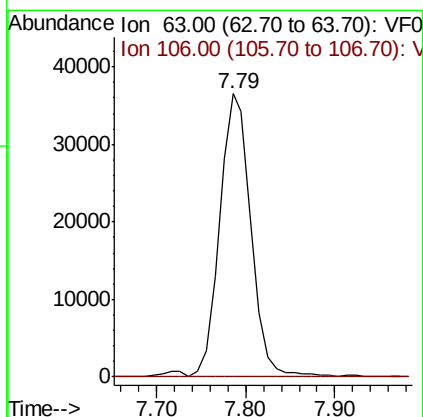
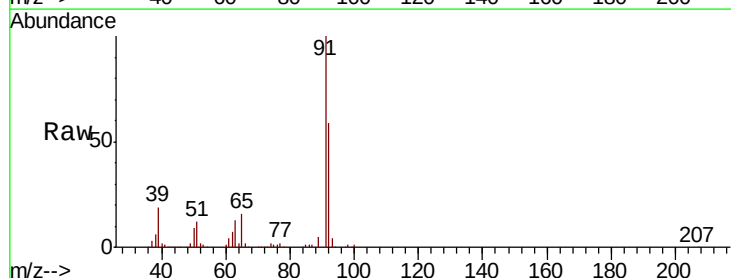
Acq: 17 Aug 2018 19:55

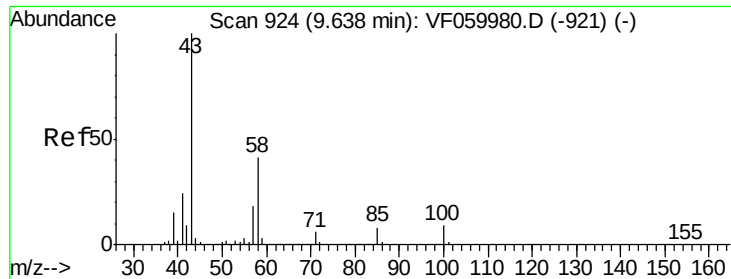
Tgt Ion: 63 Resp: 89488

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





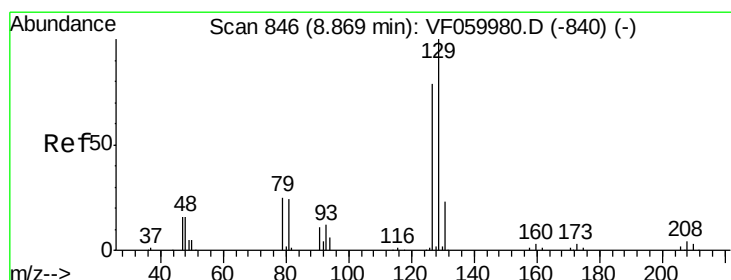
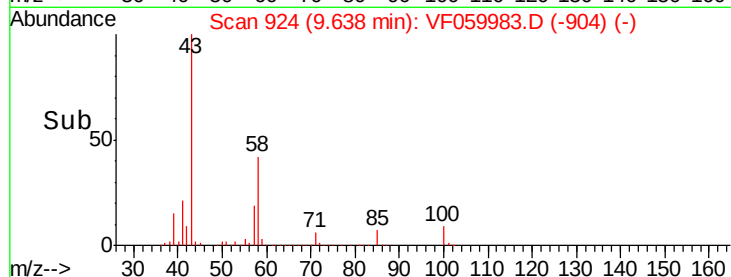
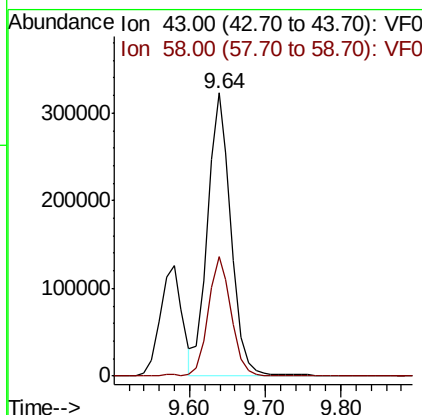
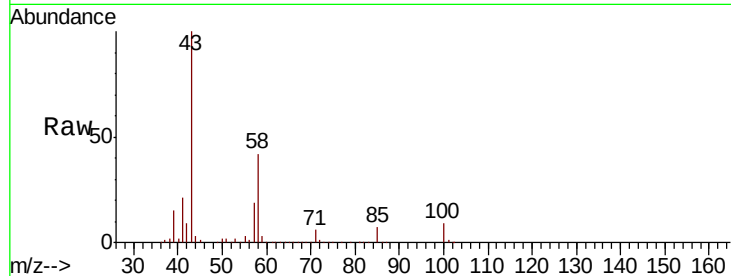
#59
2-Hexanone
Concen: 606.96 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.4	20.1	60.3

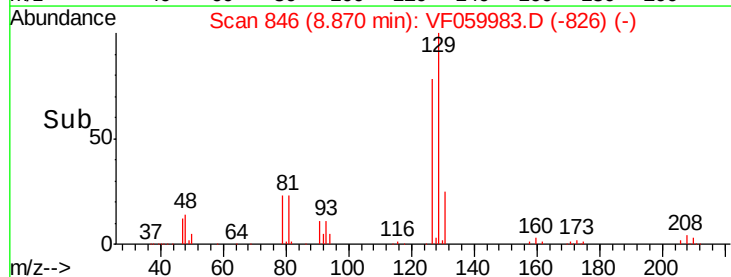
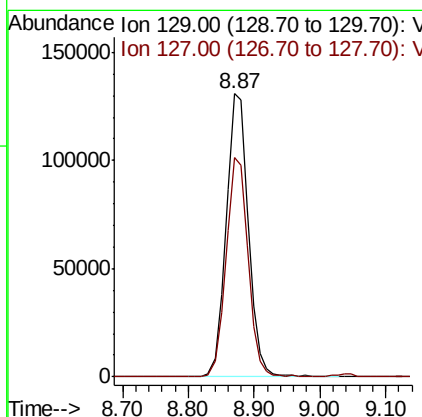
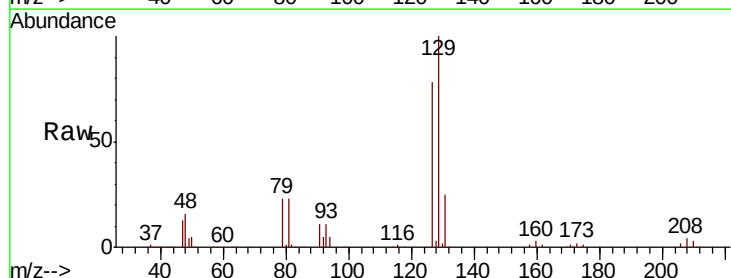
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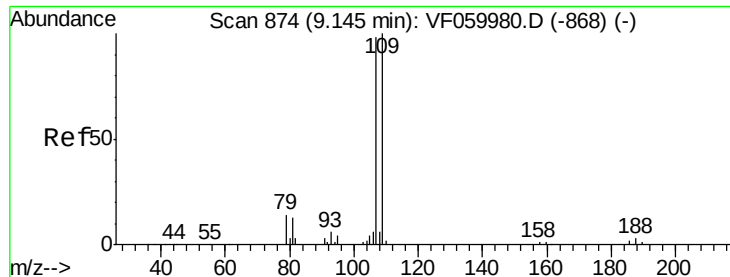
apatel
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#60
Dibromochloromethane
Concen: 142.65 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.5	118.5





#61

1,2-Dibromoethane

Concen: 137.98 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 209191

Ion Ratio Lower Upper

107 100

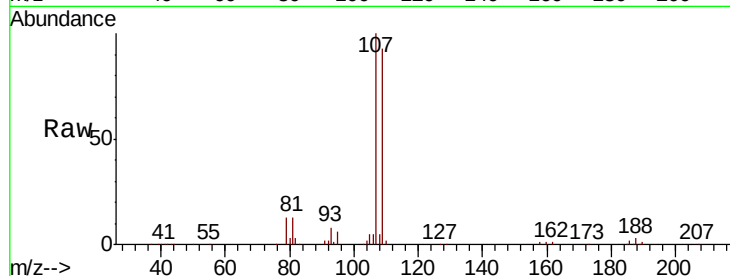
109 92.6 81.7 122.5

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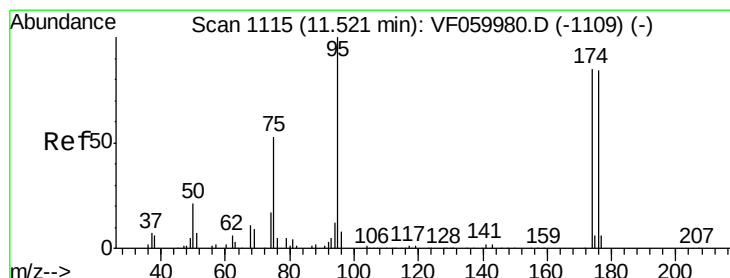
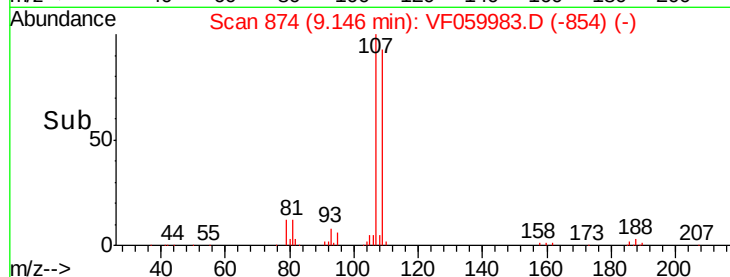
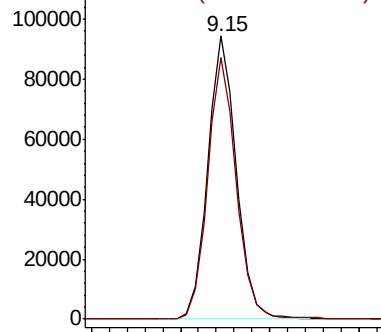
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 131.64 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

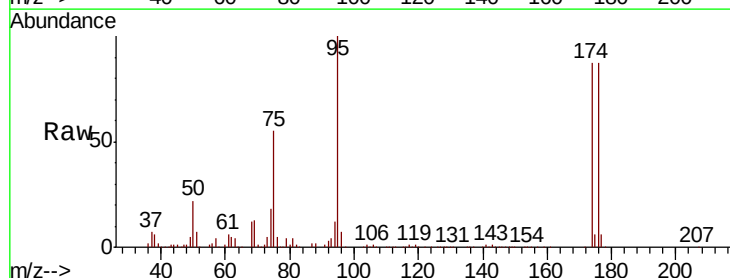
Tgt Ion: 95 Resp: 369361

Ion Ratio Lower Upper

95 100

174 86.6 0.0 169.8

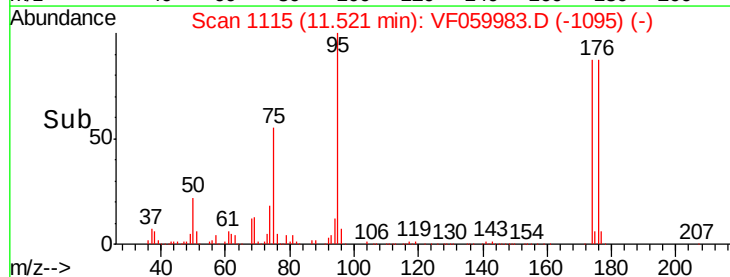
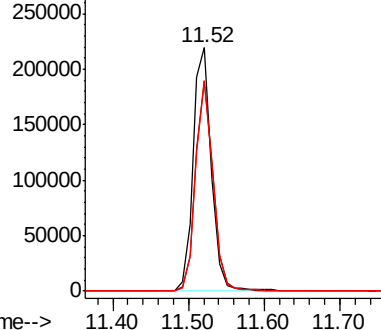
176 86.6 0.0 167.8

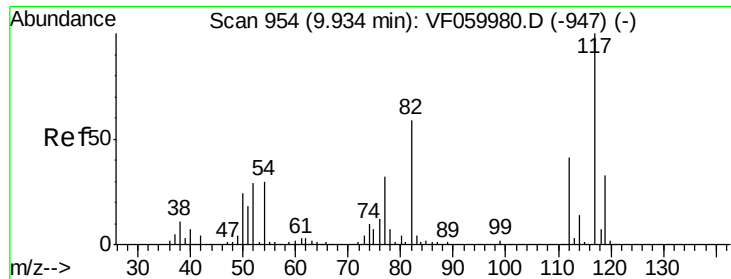


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





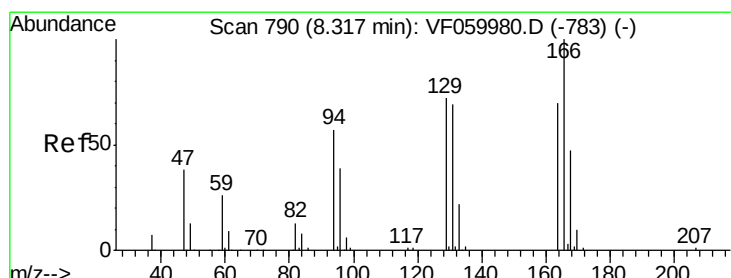
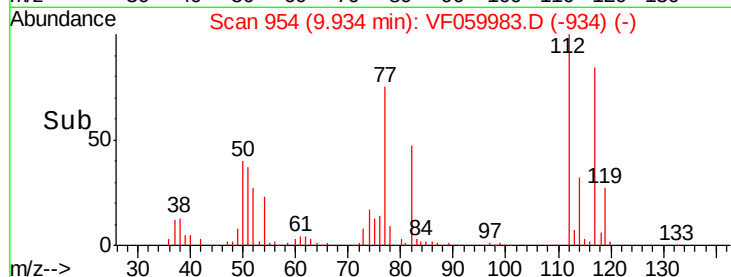
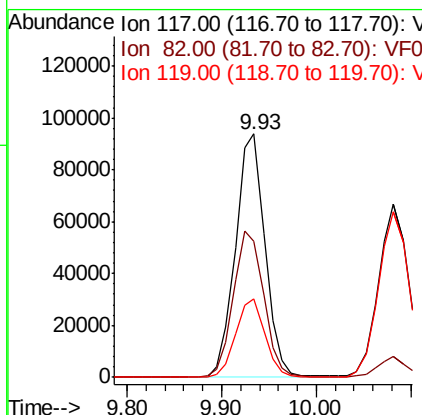
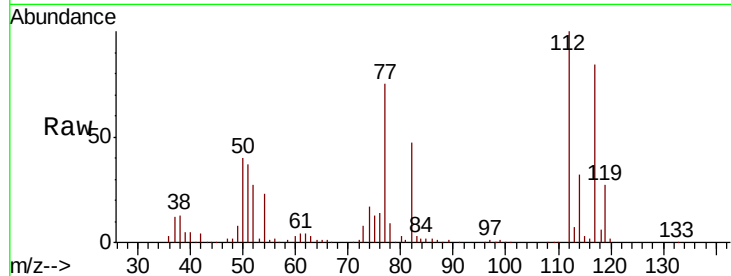
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	204254		
82	55.9	47.2	70.8	
119	32.3	26.1	39.1	

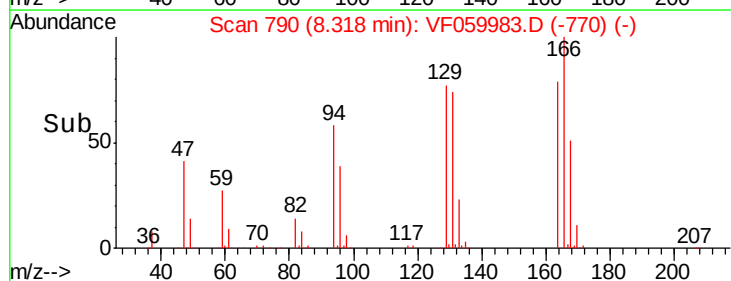
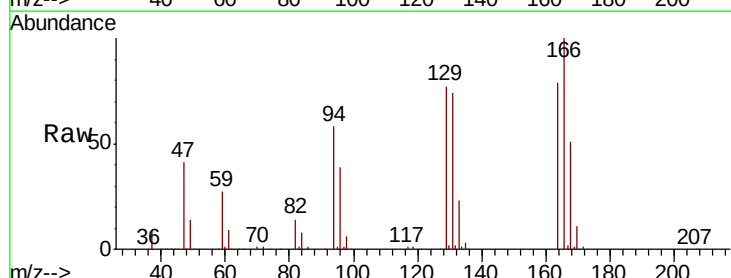
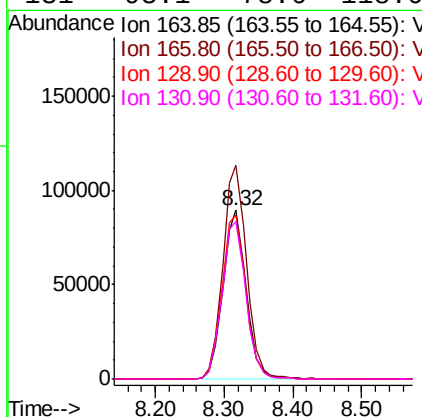
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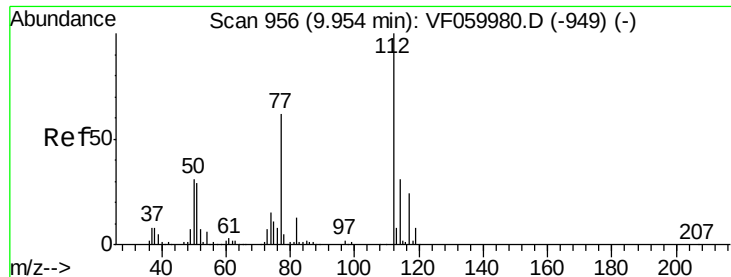
apatel
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#64
Tetrachloroethene
Concen: 135.25 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	207346		
166	126.4	114.5	171.7	
129	97.1	82.3	123.5	
131	93.1	78.6	118.0	





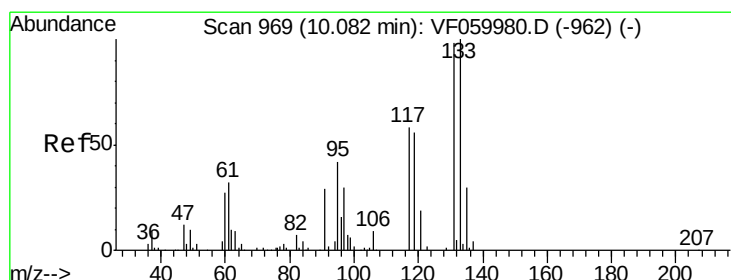
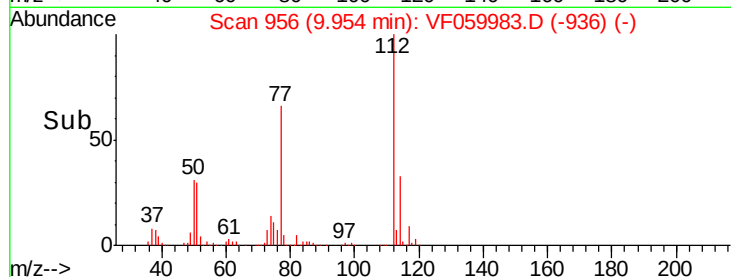
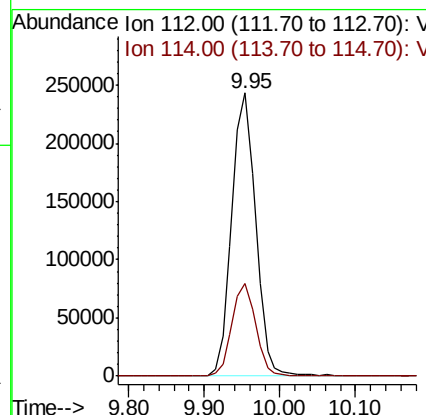
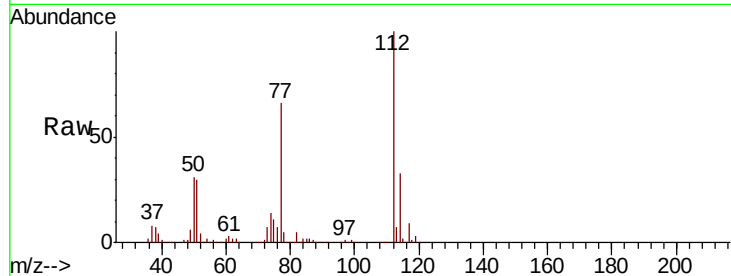
#65
Chlorobenzene
Concen: 133.75 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.0	37.4

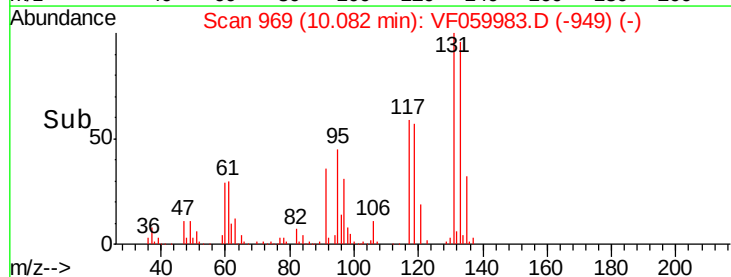
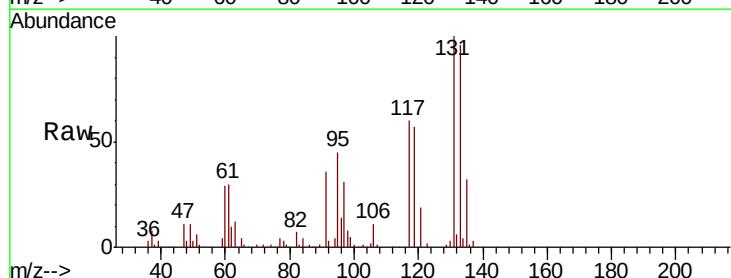
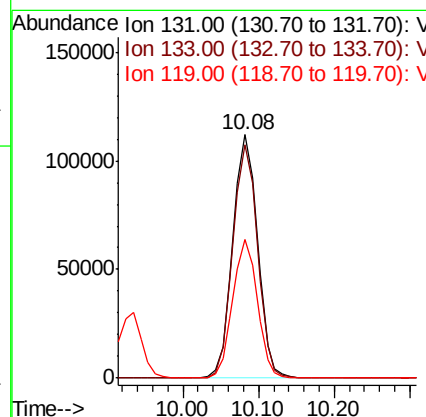
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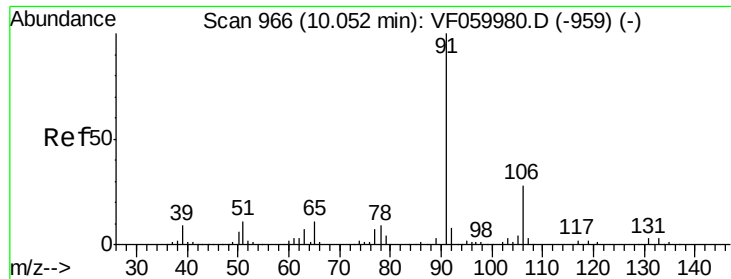
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#66
1,1,1,2-Tetrachloroethane
Concen: 138.77 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	51.1	153.3
119	57.0	29.0	87.1





#67

Ethyl Benzene

Concen: 131.71 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 942203

Ion Ratio Lower Upper

91 100

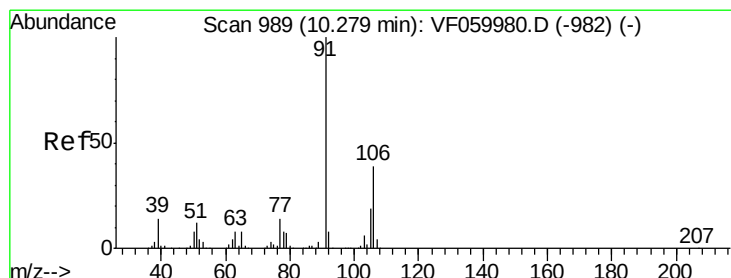
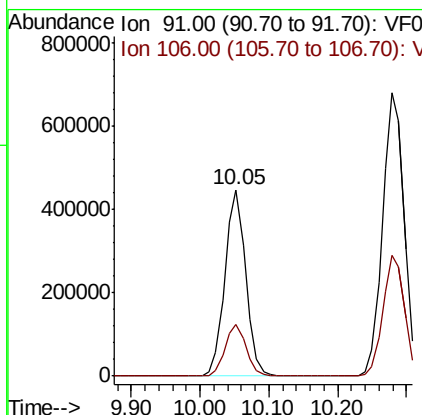
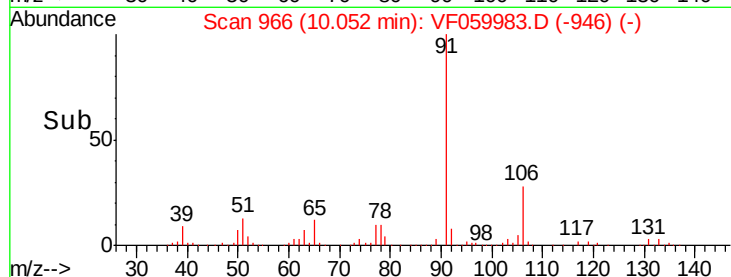
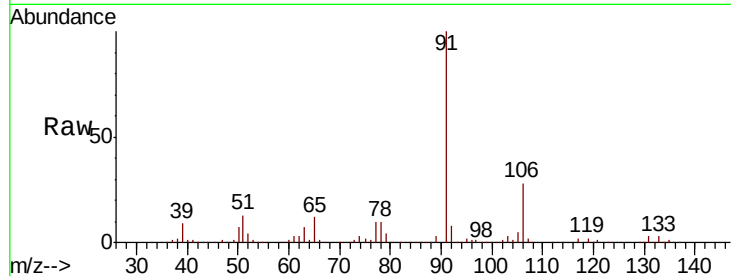
106 27.7 22.0 33.0

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#68

m/p-Xylenes

Concen: 256.16 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF059983.D

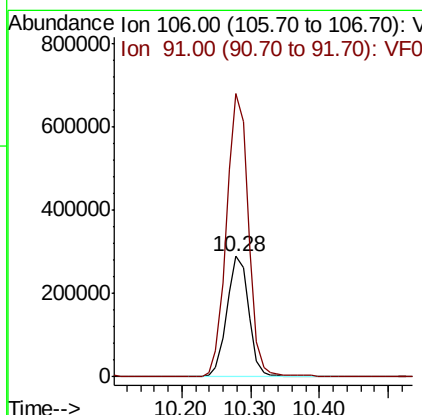
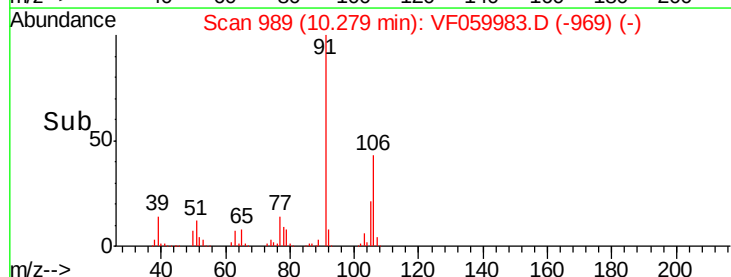
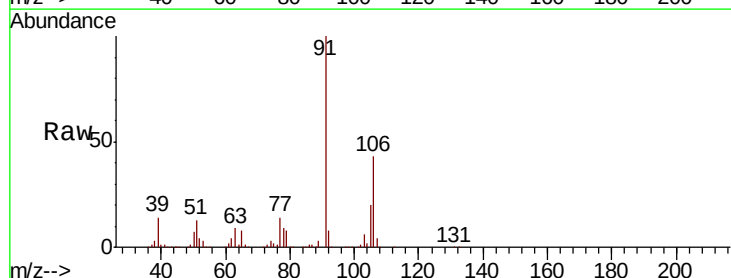
Acq: 17 Aug 2018 19:55

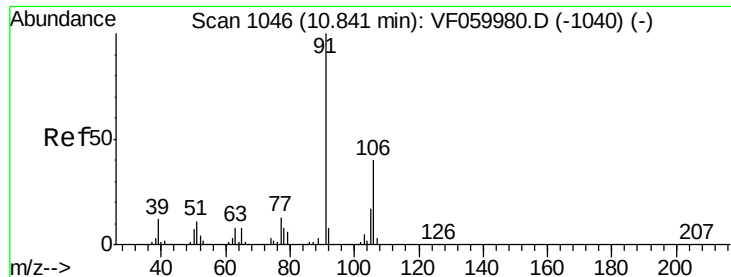
Tgt Ion: 106 Resp: 637776

Ion Ratio Lower Upper

106 100

91 234.4 203.5 305.3





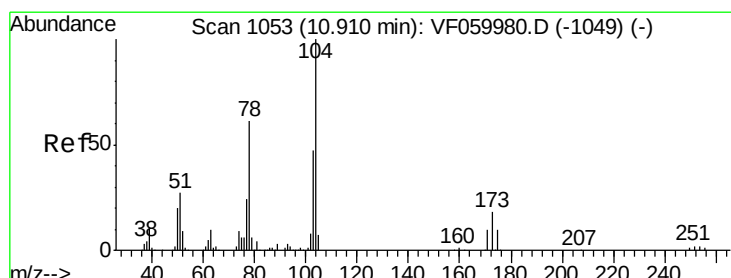
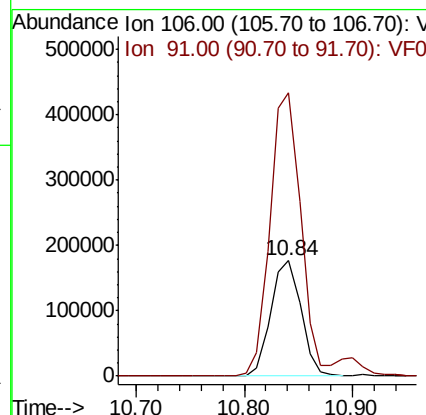
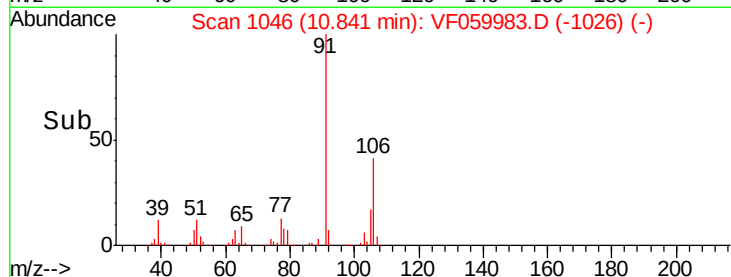
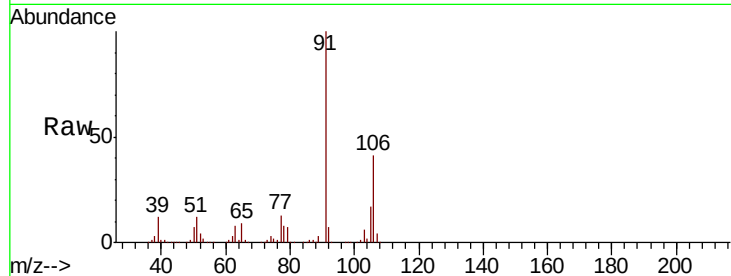
#69
o-Xylene
Concen: 134.25 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleID :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	245.2	125.4	376.2

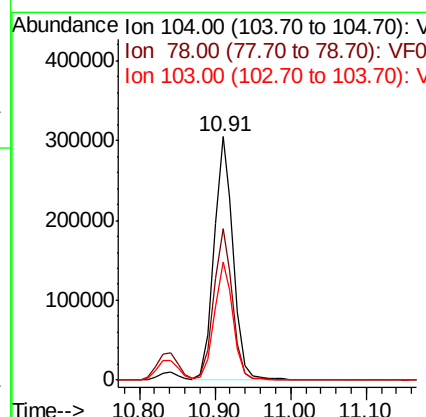
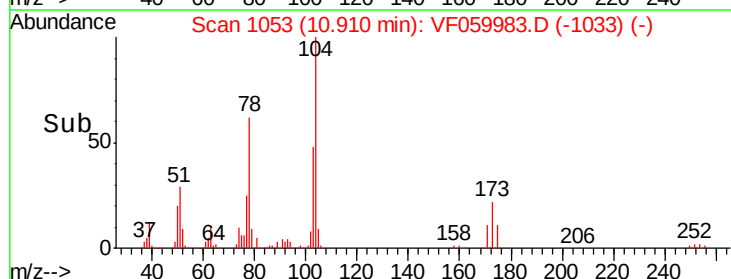
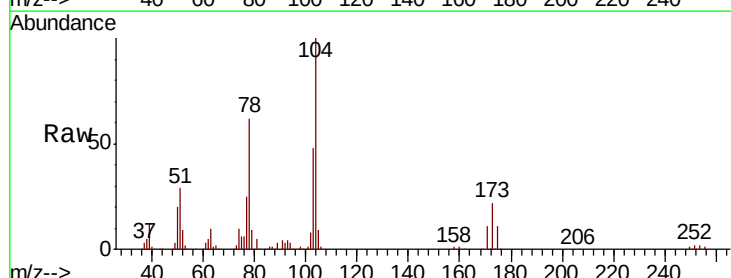
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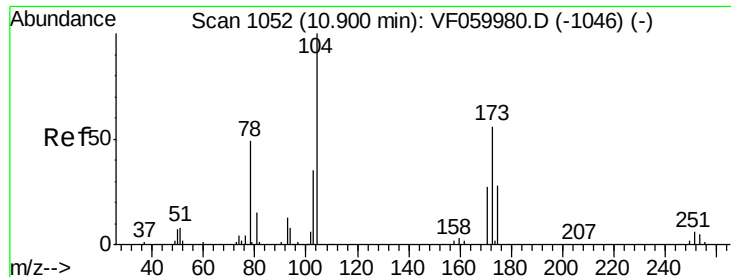
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#70
Styrene
Concen: 132.35 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	62.4	49.0	73.6
103	48.4	38.2	57.4





#71

Bromoform

Concen: 141.88 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

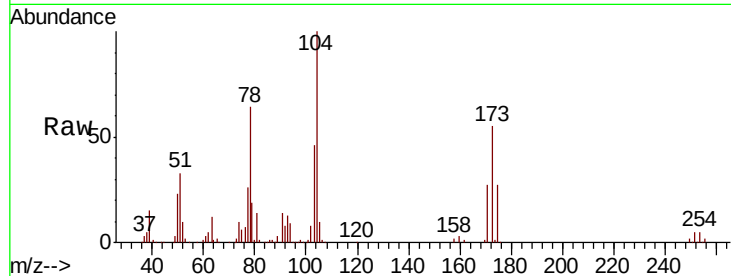
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.1	0.0	0.0#

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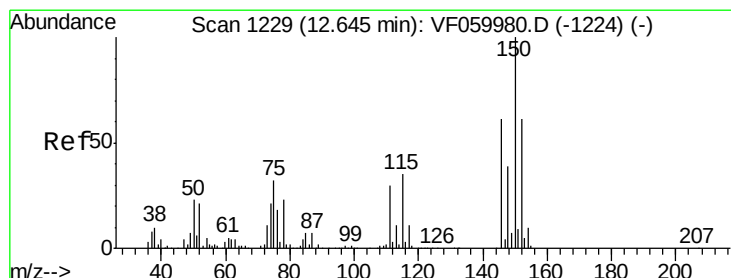
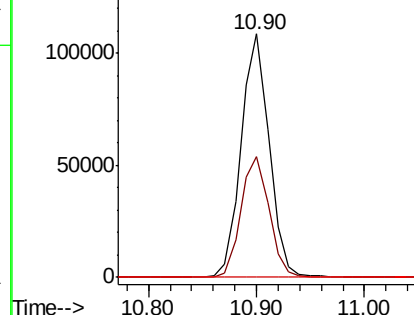
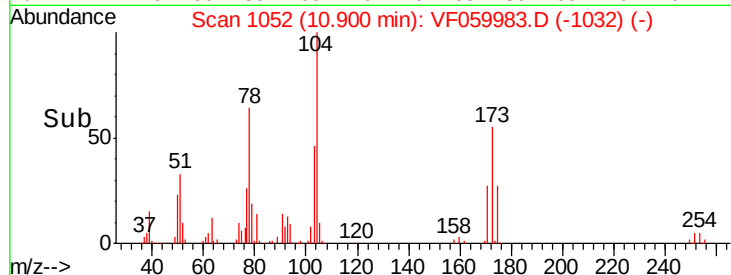


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

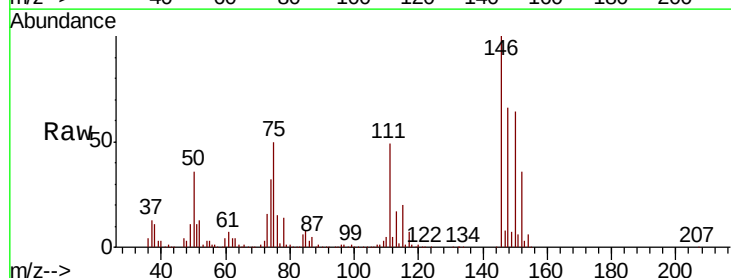
RT: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	29.1	87.3
150	180.2	0.0	330.2

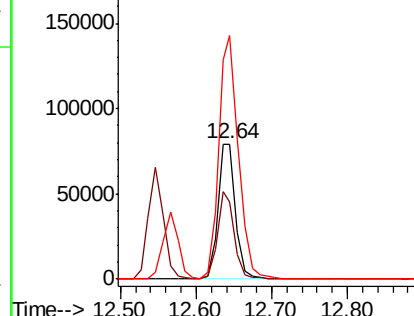
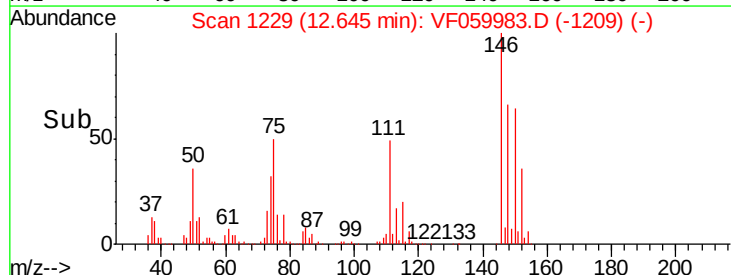


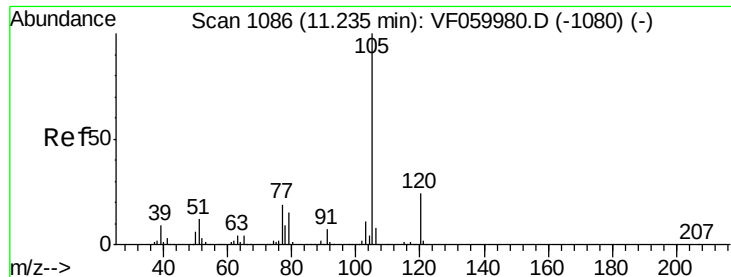
Abundance

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: 140.63 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1099661

Ion Ratio Lower Upper

105 100

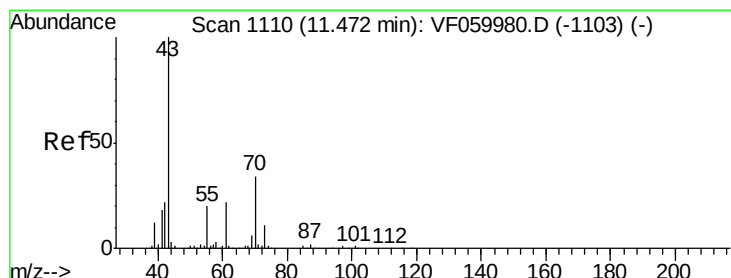
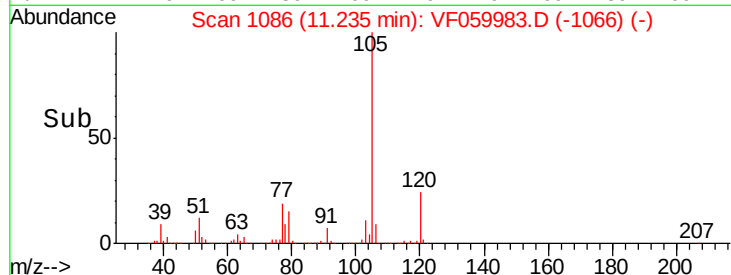
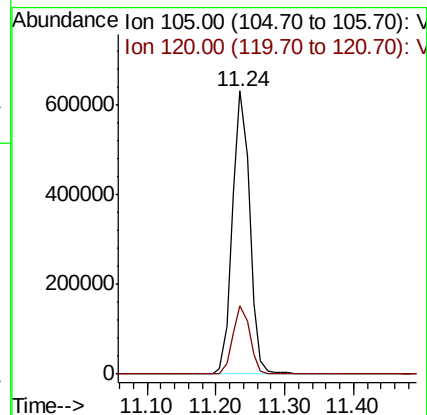
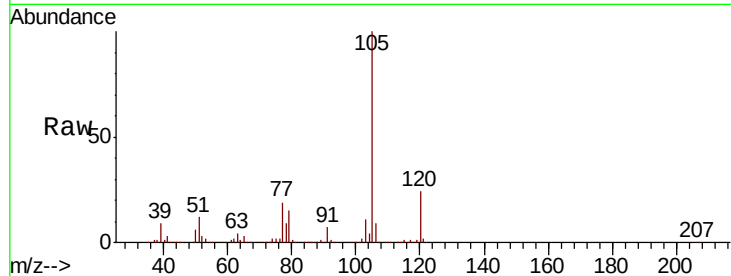
120 24.0 11.9 35.5

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#74

N-ethyl acetate

Concen: 151.58 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion: 43 Resp: 350568

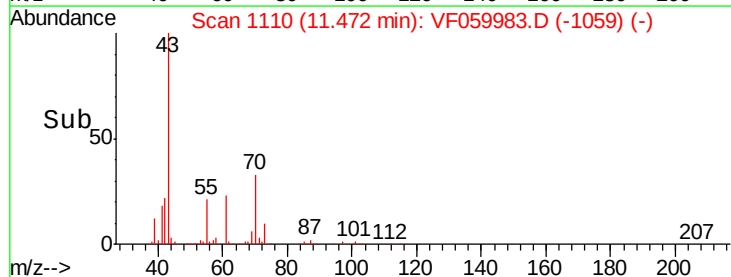
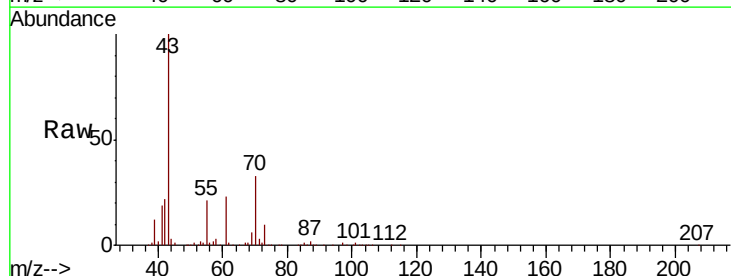
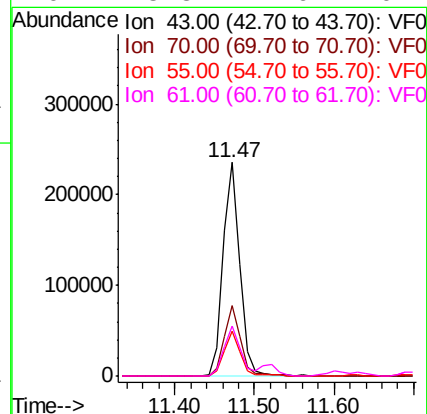
Ion Ratio Lower Upper

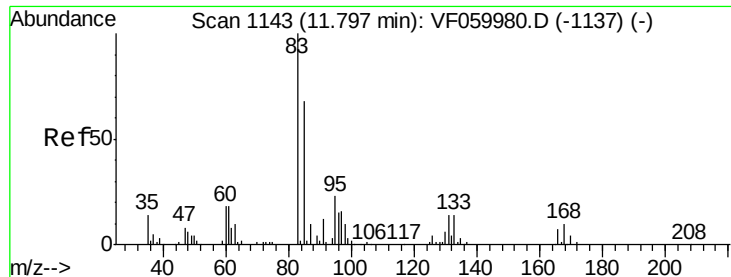
43 100

70 32.8 27.2 40.8

55 20.7 16.4 24.6

61 23.3 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 135.01 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

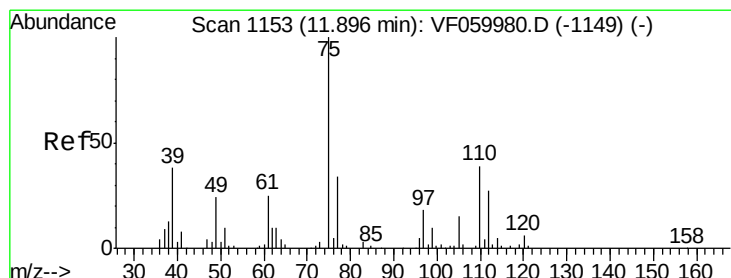
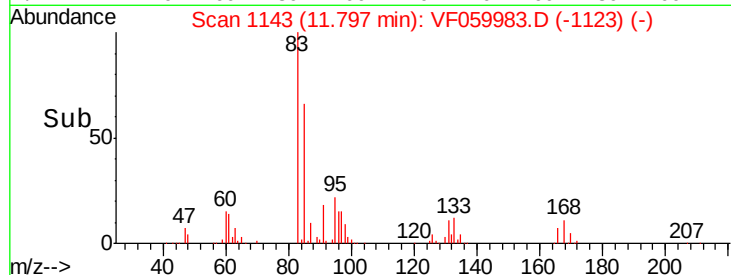
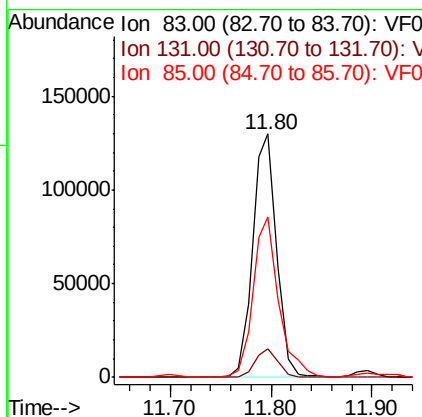
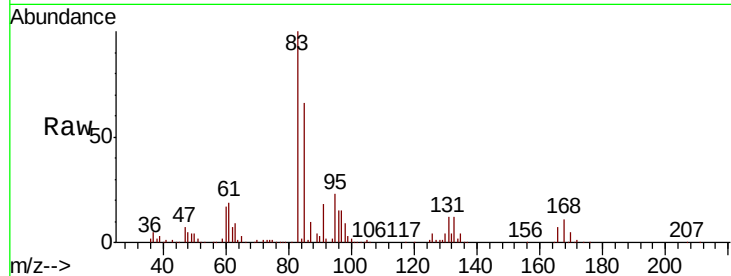
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	215335
Ion Ratio	Lower	Upper	
83	100		
131	11.7	7.2	21.6
85	66.1	34.1	102.2

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#76

1,2,3-Trichloropropane

Concen: 131.08 ug/l

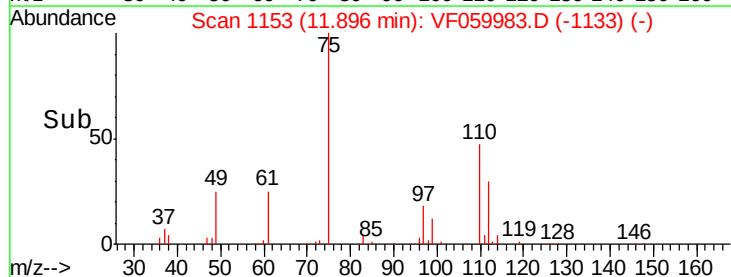
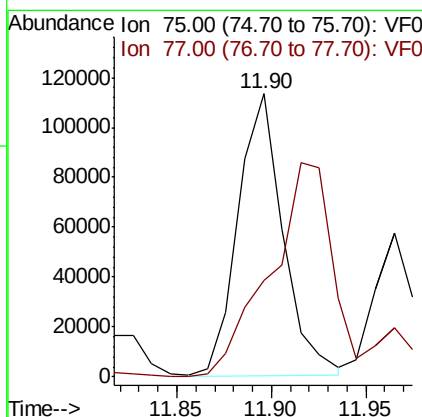
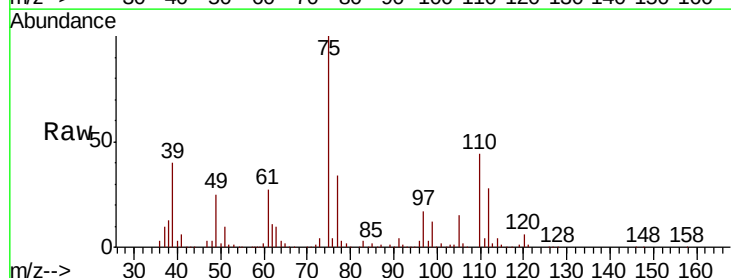
RT: 11.90 min Scan# 1153

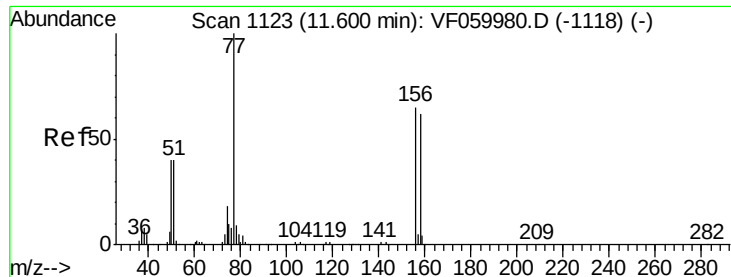
Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion:	75	Resp:	186908
Ion Ratio	Lower	Upper	
75	100		
77	34.2	17.1	51.3





#77

Bromobenzene

Concen: 137.33 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

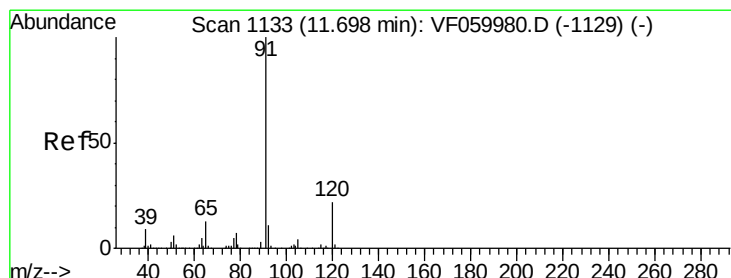
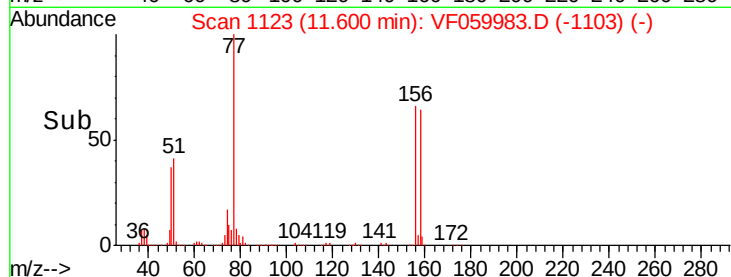
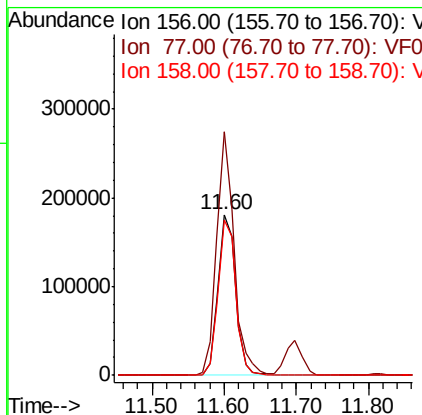
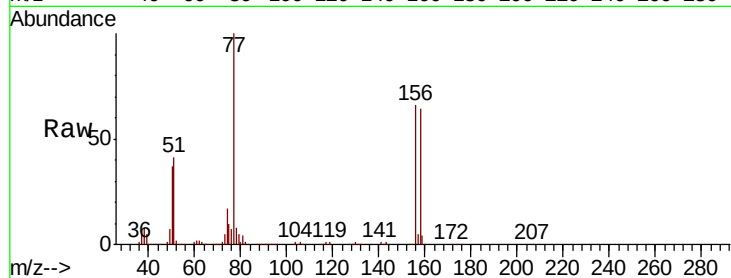
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	302973
Ion Ratio	Lower	Upper	
156	100		
77	151.4	76.9	230.7
158	96.3	47.7	143.1

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#78

n-propylbenzene

Concen: 132.03 ug/l

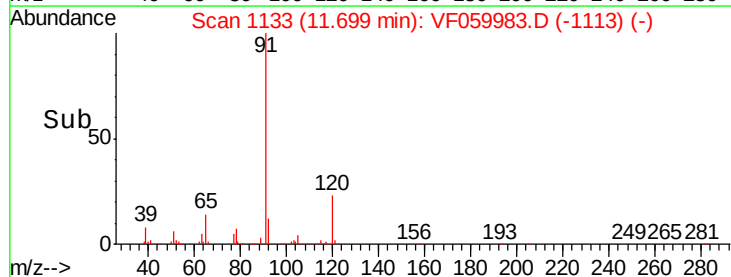
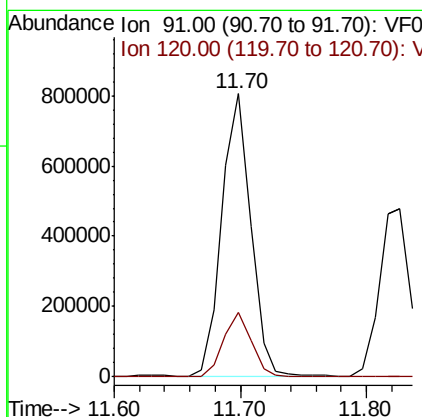
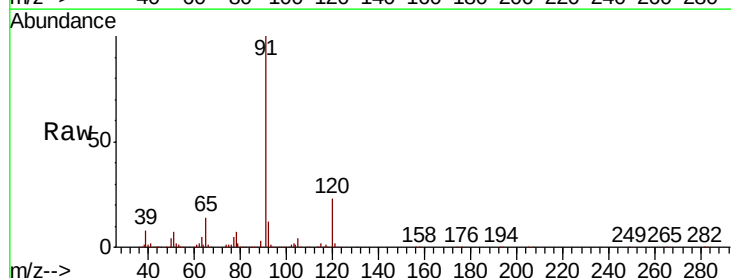
RT: 11.70 min Scan# 1133

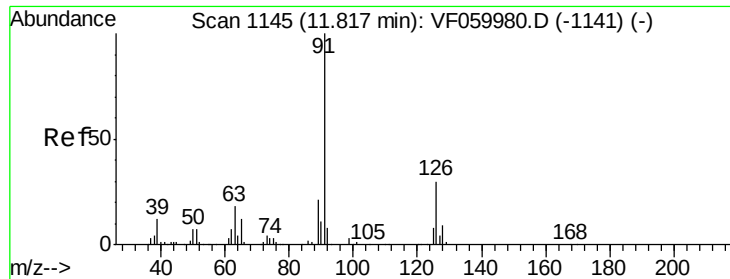
Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion:	91	Resp:	1282010
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.0	33.0





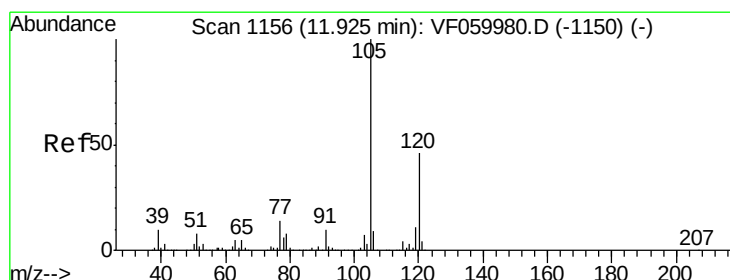
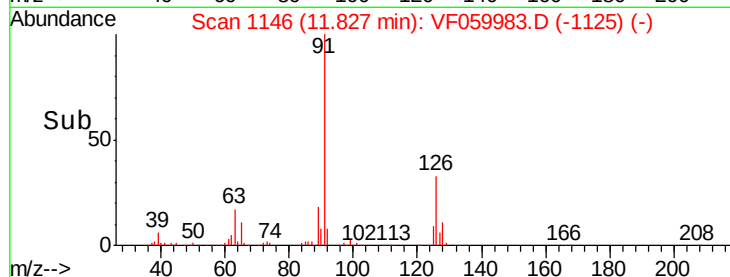
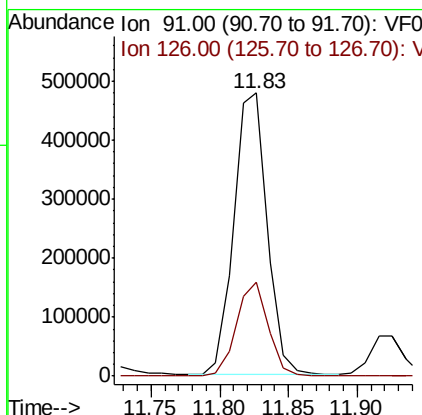
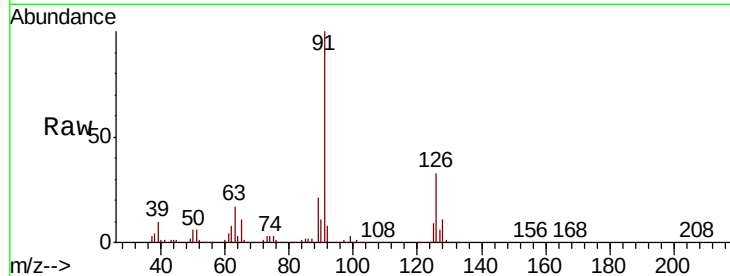
#79
 2-Chlorotoluene
 Concen: 135.67 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 806843
 Ion Ratio Lower Upper
 91 100
 126 33.3 14.7 44.1

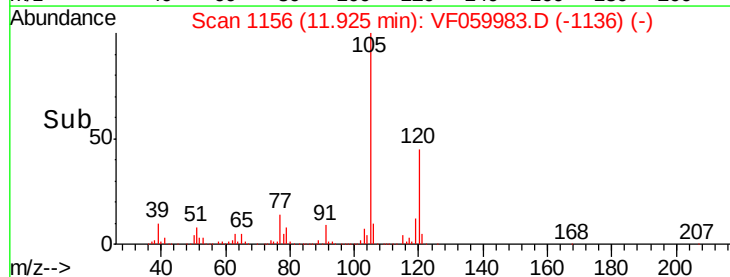
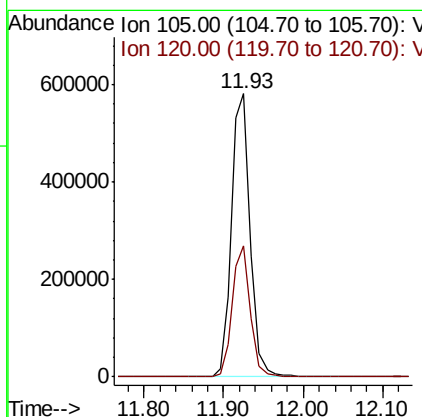
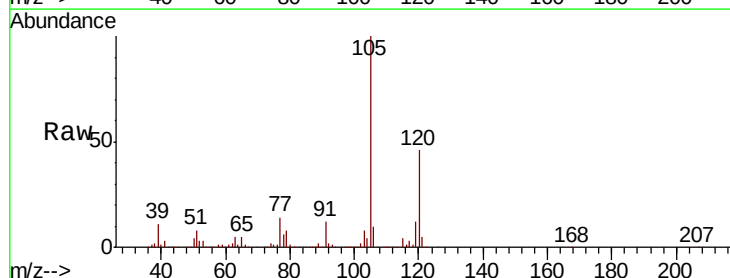
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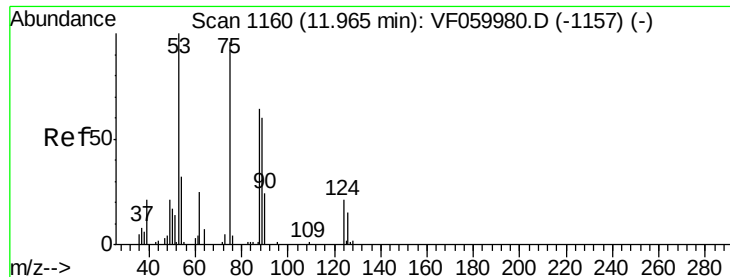
apatel
 8/20/2018 11:49:25 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 135.96 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion: 105 Resp: 962376
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.7





#81

trans-1,4-Dichloro-2-butene

Concen: 118.33 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 86985

Ion Ratio Lower Upper

75 100

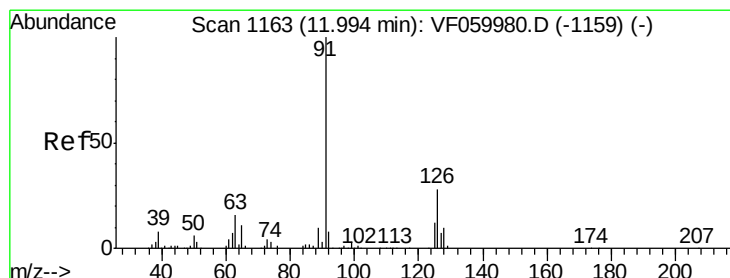
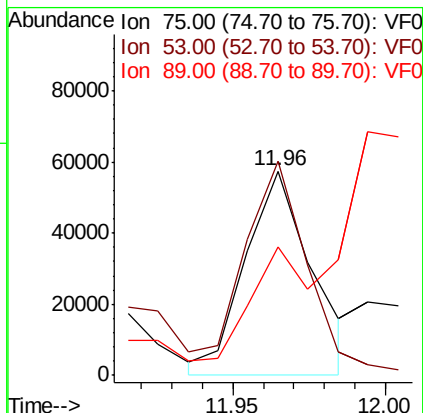
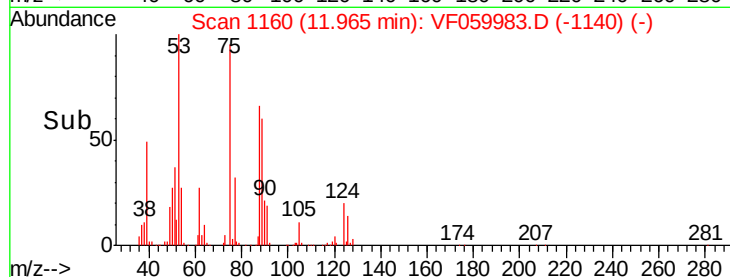
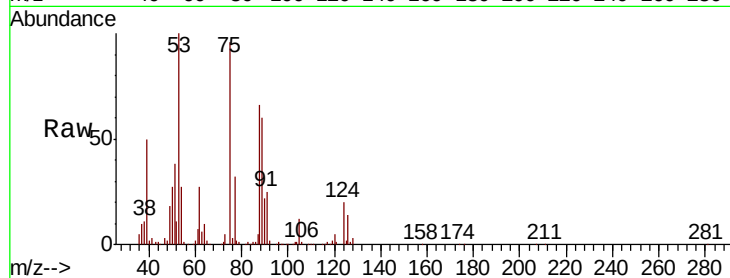
53 104.7 87.4 131.0

89 62.6 52.8 79.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 136.56 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059983.D

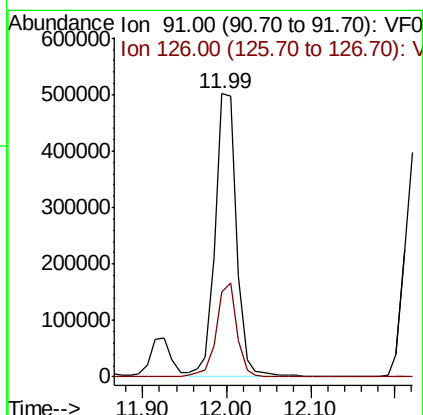
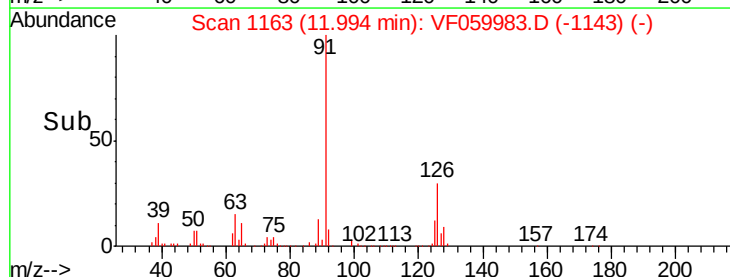
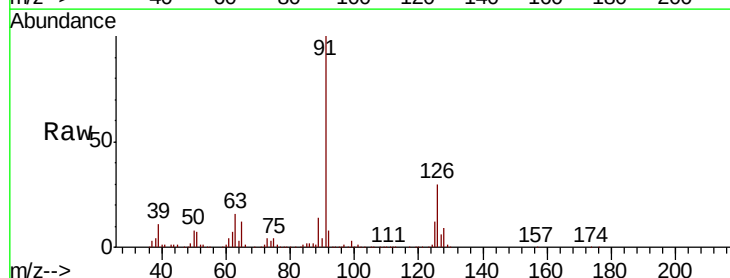
Acq: 17 Aug 2018 19:55

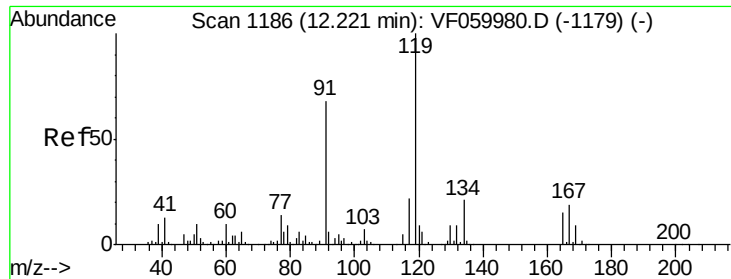
Tgt Ion: 91 Resp: 884277

Ion Ratio Lower Upper

91 100

126 30.1 14.1 42.4





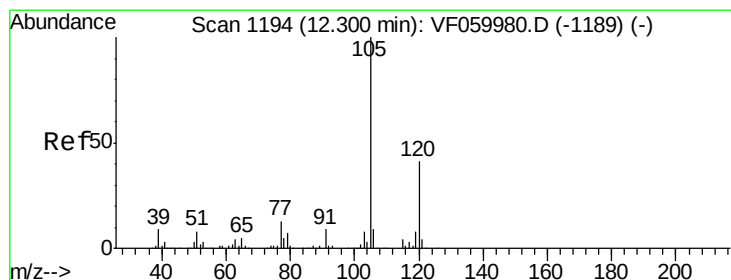
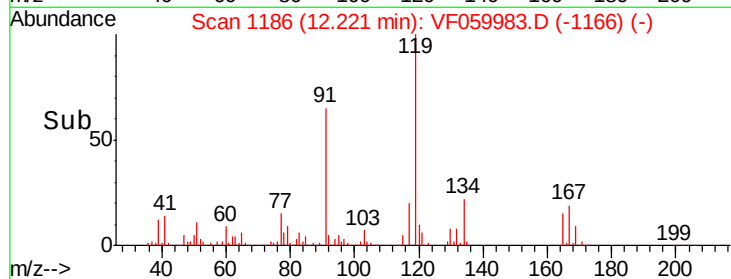
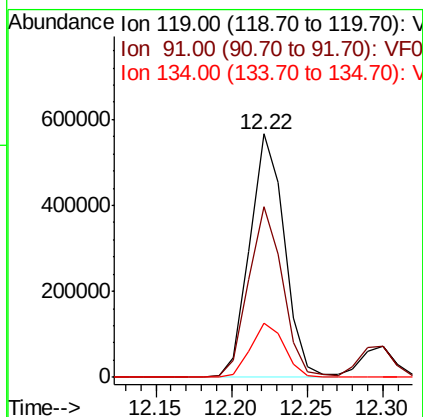
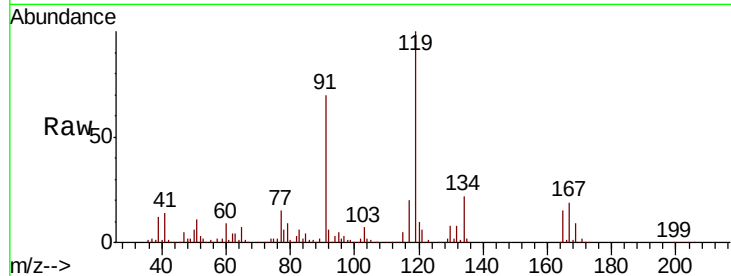
#83
 tert-Butylbenzene
 Concen: 130.36 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	912075		
91	70.3		34.1	102.2
134	22.2		10.5	31.6

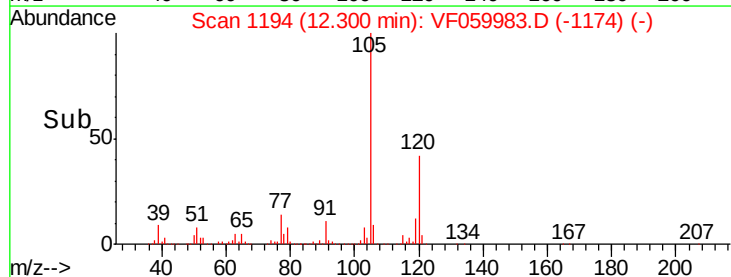
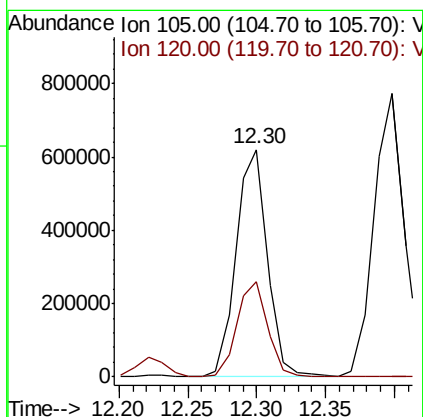
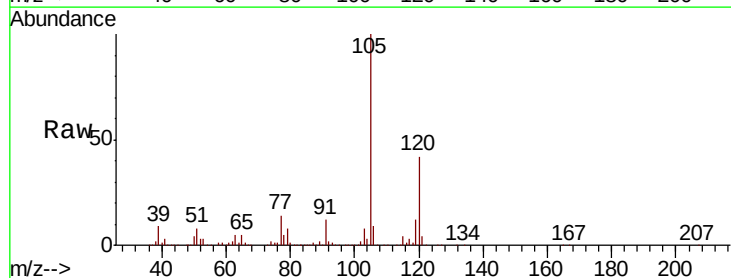
Manual Integrations
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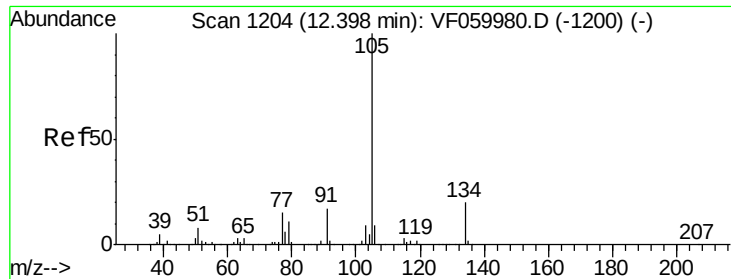
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#84
 1,2,4-Trimethylbenzene
 Concen: 132.09 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	981997		
120	41.9		20.9	62.7





#85

sec-Butylbenzene

Concen: 130.27 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1192552

Ion Ratio Lower Upper

105 100

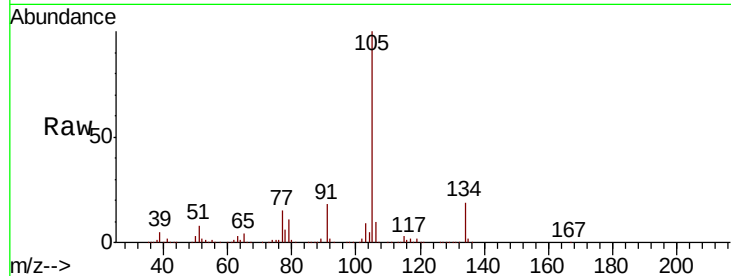
134 19.5 9.8 29.5

Manual Integrations

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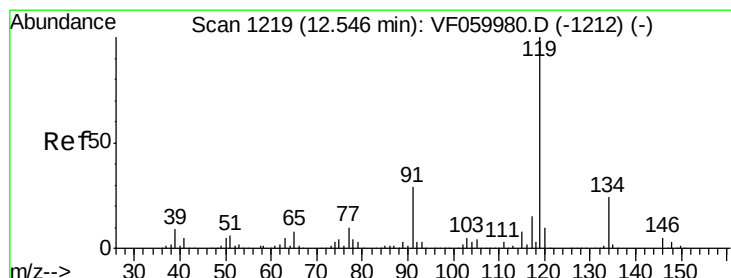
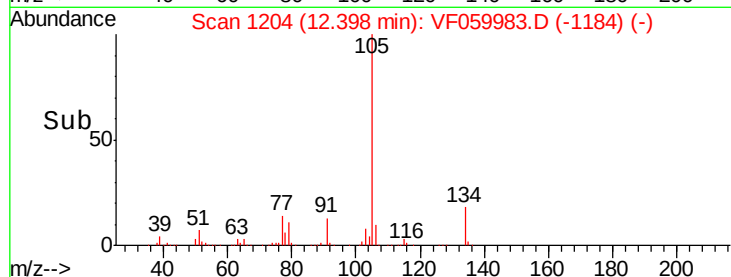
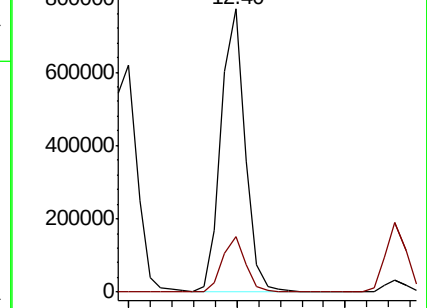
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 134.22 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

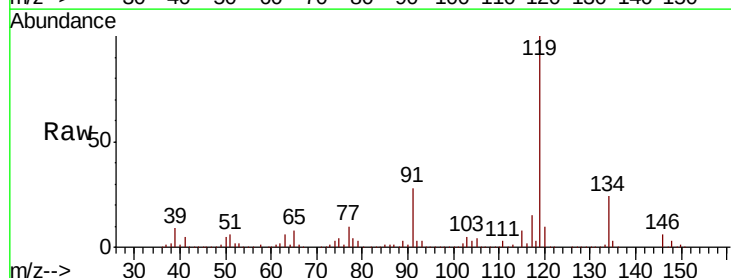
Tgt Ion:119 Resp: 1086224

Ion Ratio Lower Upper

119 100

134 24.2 12.1 36.3

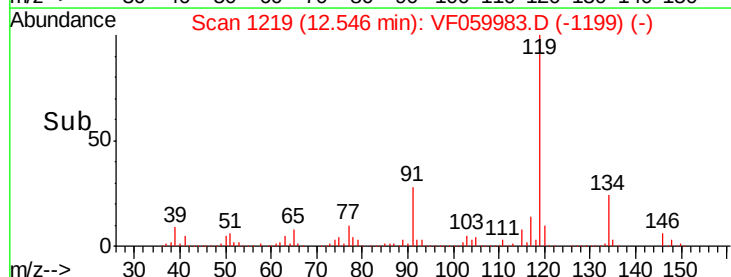
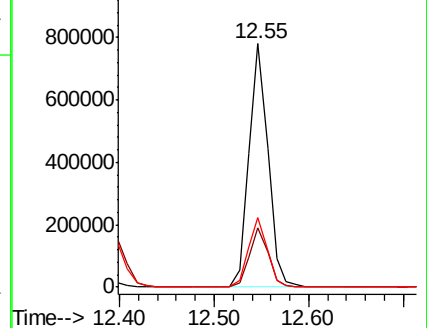
91 28.4 14.4 43.4

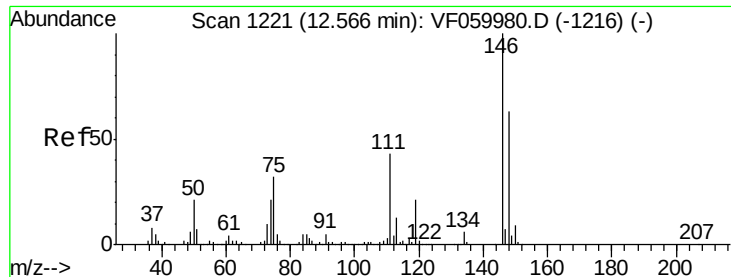


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





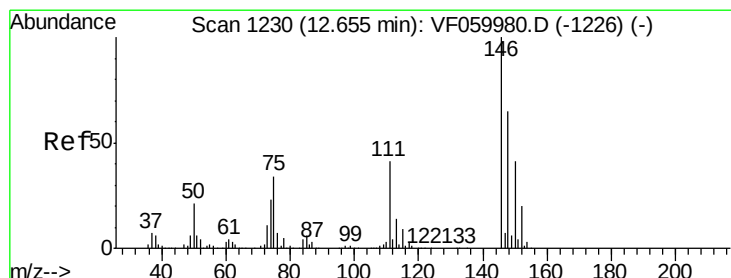
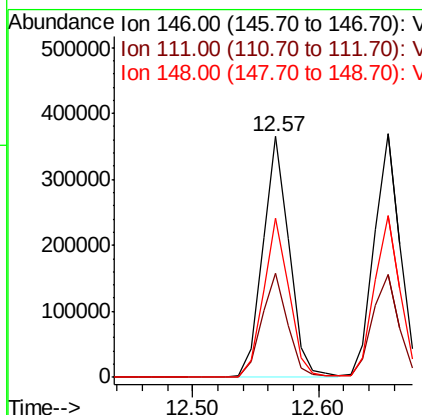
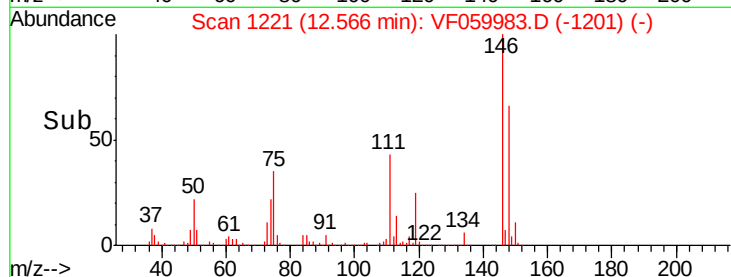
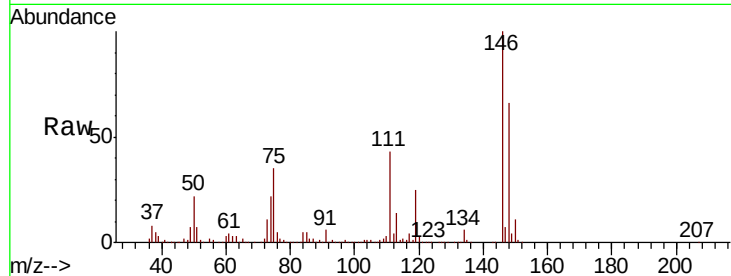
#87
 1,3-Dichlorobenzene
 Concen: 127.21 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.0	21.3	63.7	
148	66.3	31.6	95.0	

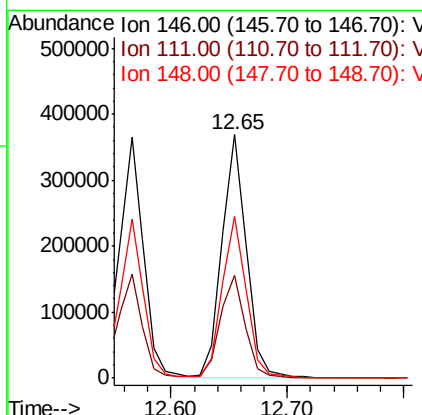
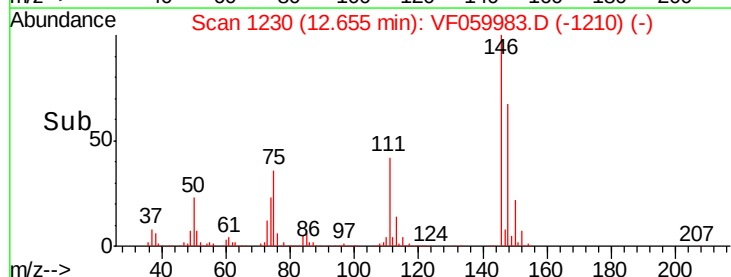
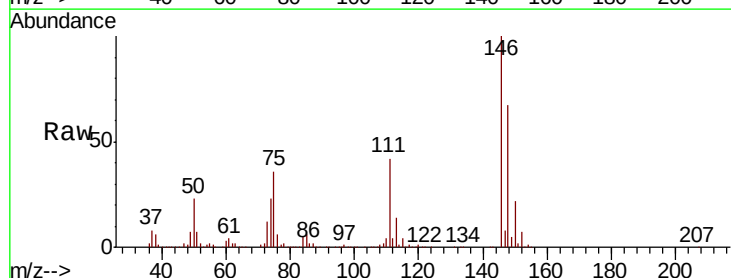
Manual Integrations
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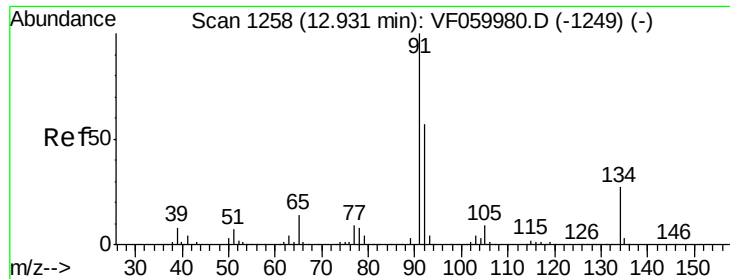
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 131.52 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.1	20.3	61.0	
148	66.5	32.6	97.8	





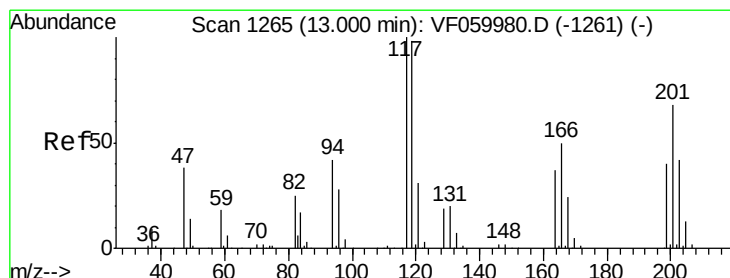
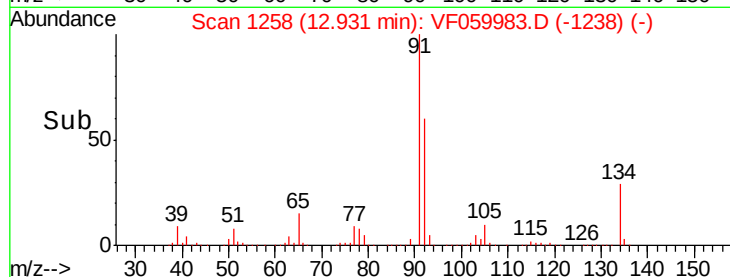
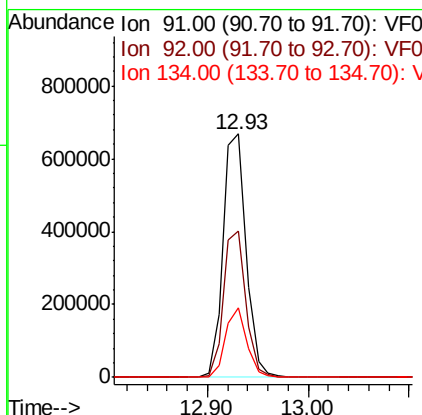
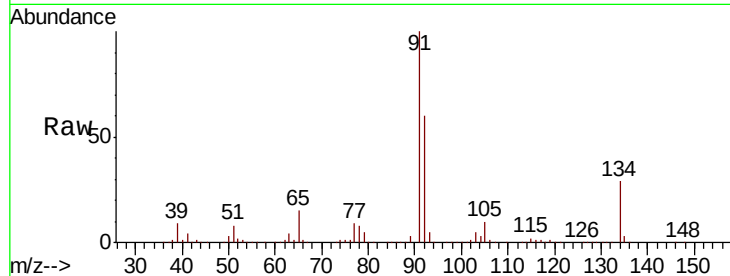
#89
n-Butylbenzene
Concen: 135.88 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1062974
Ion Ratio Lower Upper
91 100
92 60.0 28.7 86.3
134 28.8 13.3 39.9

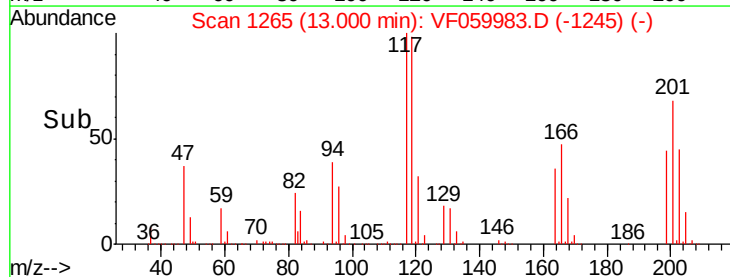
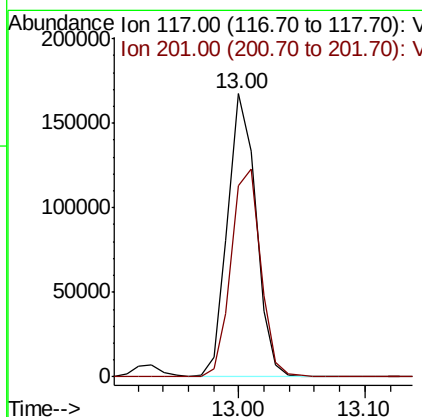
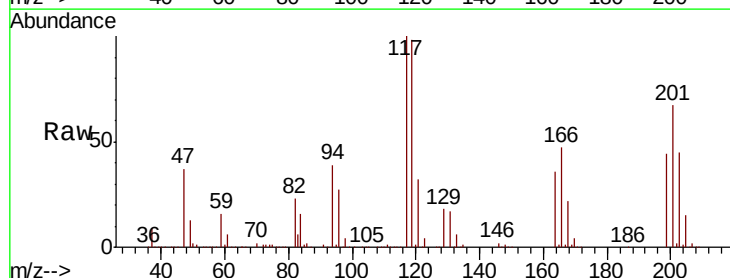
Manual Integrations
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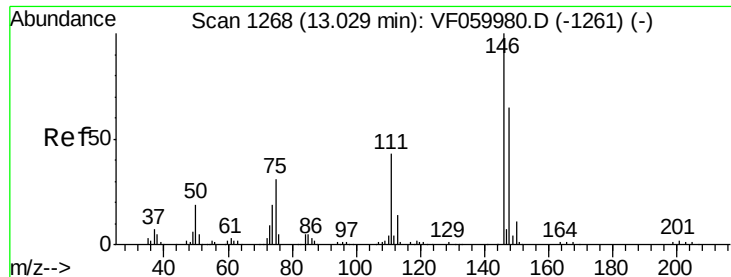
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#90
Hexachloroethane
Concen: 143.16 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion: 117 Resp: 260691
Ion Ratio Lower Upper
117 100
201 67.4 34.5 103.5





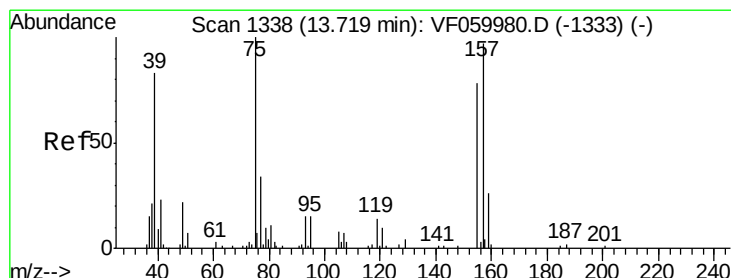
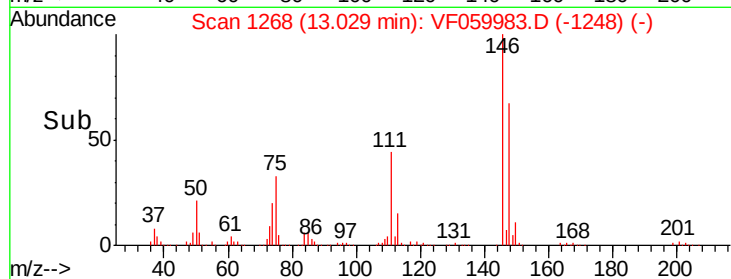
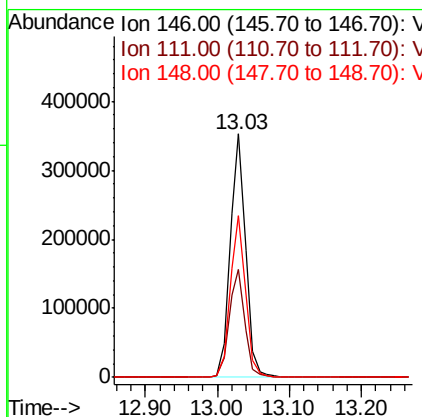
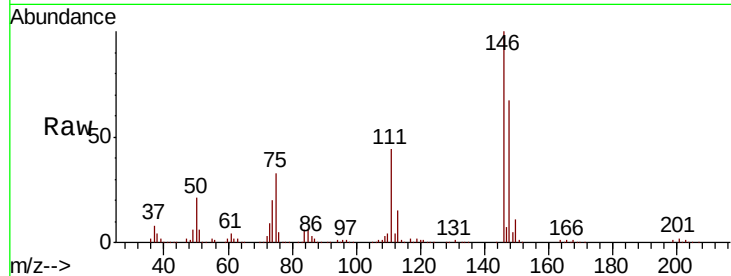
#91
 1,2-Dichlorobenzene
 Concen: 130.26 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.4	64.3
148	66.6	32.5	97.4

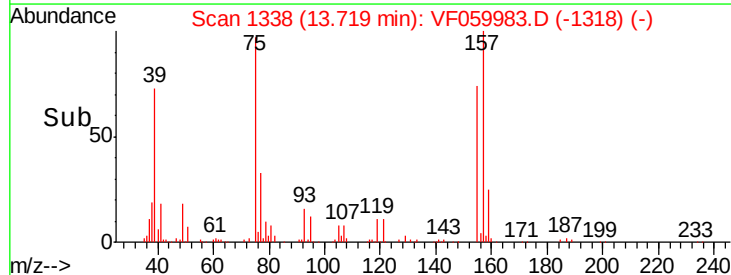
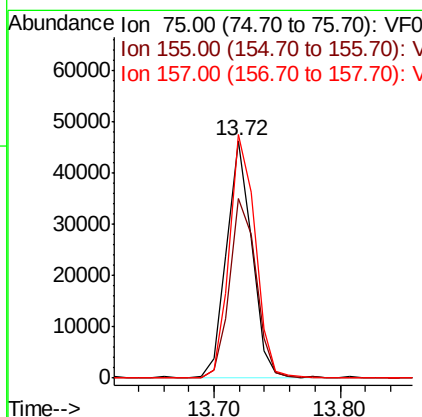
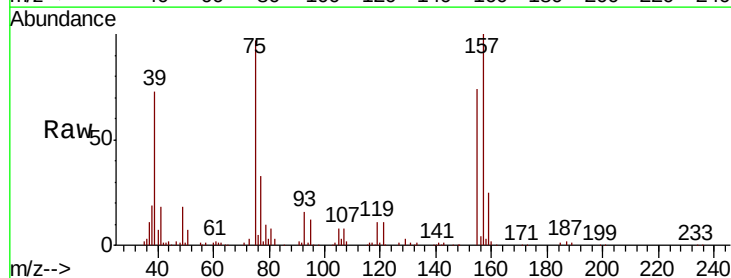
Manual Integrations
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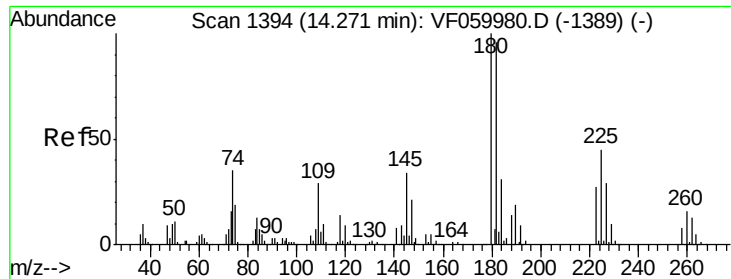
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 143.00 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	38.9	116.7
157	102.6	50.8	152.5





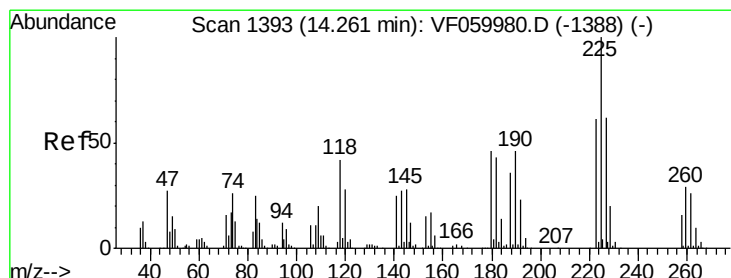
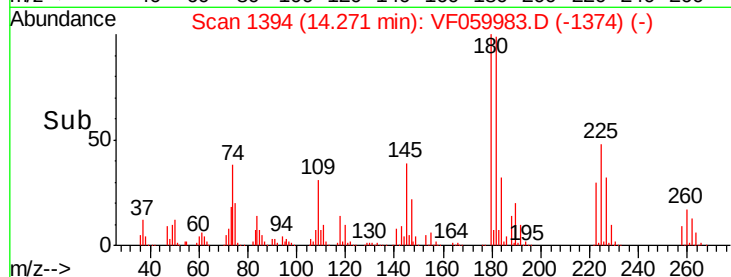
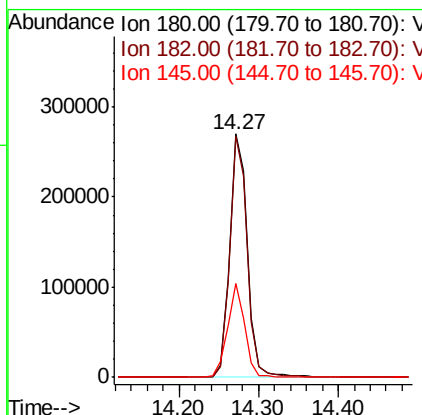
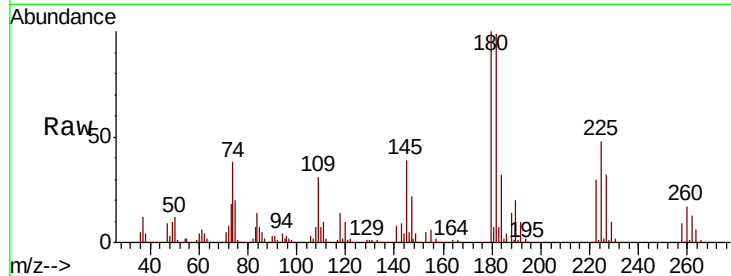
#93
1,2,4-Trichlorobenzene
Concen: 129.59 ug/l
RT: 14.27 min Scan# 1394
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	421972		
182	98.8	47.9	143.6	
145	38.5	17.2	51.5	

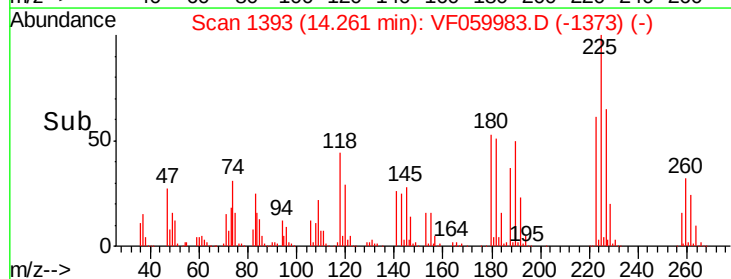
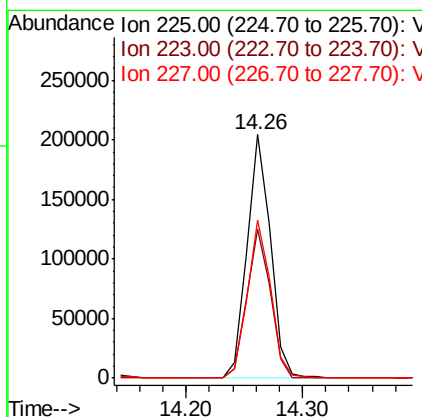
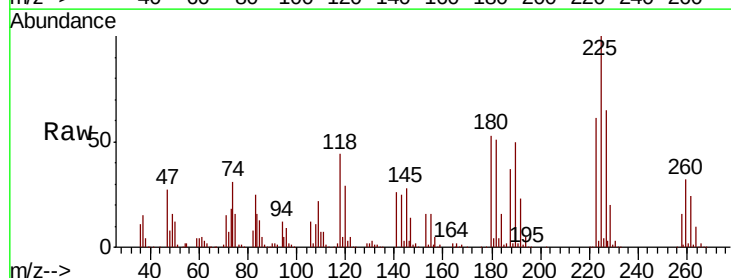
Manual Integrations
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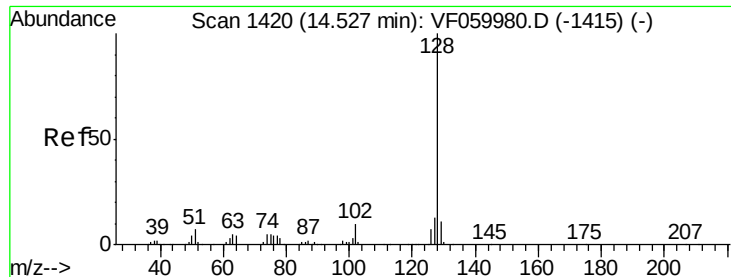
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#94
Hexachlorobutadiene
Concen: 132.98 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	285923		
223	61.1	29.1	87.4	
227	64.9	29.8	89.5	





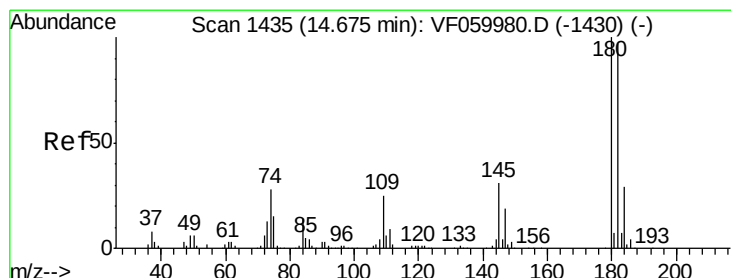
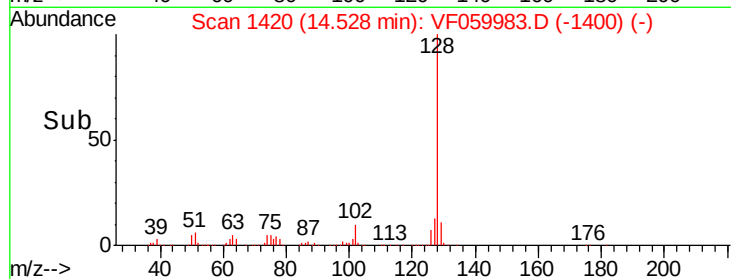
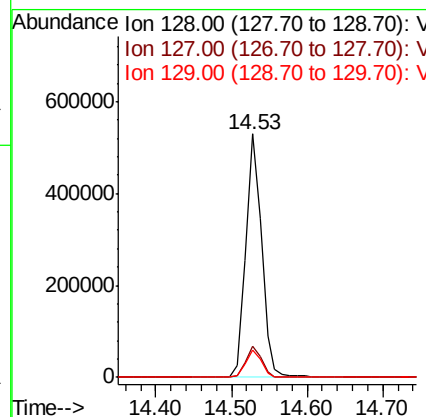
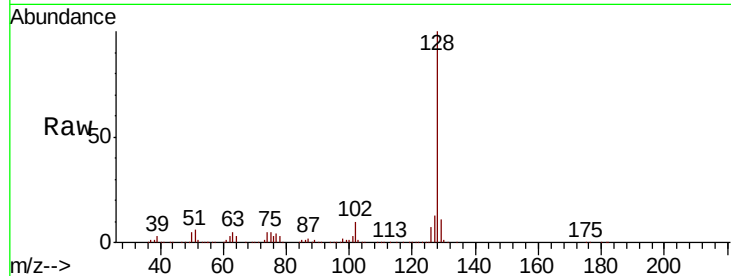
#95
Naphthalene
Concen: 161.72 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:	128	Resp:	765881
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	11.3	9.0	13.4

Manual Integrations
APPROVED

apatel
8/20/2018 11:49:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 136.53 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion:	180	Resp:	429482
Ion Ratio	Lower	Upper	
180	100		
182	97.9	48.5	145.5
145	34.2	15.7	47.1

