

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059268.D
 Acq On : 21 Jun 2018 18:08
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:42 AM

Quant Time: Jun 22 05:09:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 04:54:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	237960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	368686	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	381387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	229465	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	328982	111.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	223.20%	
35) Dibromofluoromethane	4.30	113	292699	112.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.16%	
50) Toluene-d8	7.71	98	793909	105.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.58%	
62) 4-Bromofluorobenzene	11.51	95	419984	106.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	276284	102.24	ug/l	97
3) Chloromethane	1.08	50	169231	84.00	ug/l	95
4) Vinyl Chloride	1.15	62	179641	96.99	ug/l	95
5) Bromomethane	1.34	94	115718	104.44	ug/l	97
6) Chloroethane	1.43	64	88985	113.07	ug/l	93
7) Trichlorofluoromethane	1.49	101	360230m	119.98	ug/l	
8) Diethyl Ether	1.70	74	82521	113.25	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	181490	97.90	ug/l	89
10) Methyl Iodide	1.96	142	355283	109.08	ug/l	92
11) Tert butyl alcohol	2.69	59	97157	522.86	ug/l	100
12) 1,1-Dichloroethene	1.85	96	170906	110.04	ug/l	98
13) Acrolein	2.09	56	77001	476.29	ug/l	96
14) Allyl chloride	2.19	41	323850	105.93	ug/l	95
15) Acrylonitrile	3.07	53	195136	547.11	ug/l	93
16) Acetone	2.33	43	374770	533.14	ug/l	97
17) Carbon Disulfide	1.87	76	431668	101.07	ug/l	95
18) Methyl Acetate	2.45	43	147204	119.72	ug/l	93
19) Methyl tert-butyl Ether	2.53	73	595775	119.74	ug/l	96
20) Methylene Chloride	2.27	84	169627m	102.72	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	183560	106.42	ug/l	95
22) Diisopropyl ether	2.93	45	677585	110.75	ug/l	98
23) Vinyl Acetate	3.33	43	2085332	522.61	ug/l	99
24) 1,1-Dichloroethane	3.00	63	414554	111.22	ug/l	99
25) 2-Butanone	4.51	43	516036	480.33	ug/l	97
26) 2,2-Dichloropropane	3.75	77	288646	107.27	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	271652	102.96	ug/l	96
28) Bromochloromethane	3.89	49	155345	94.19	ug/l	97
29) Tetrahydrofuran	4.25	42	226757	483.75	ug/l	99
30) Chloroform	4.04	83	618018	116.27	ug/l	95
31) Cyclohexane	3.86	56	292354	93.01	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	449207	112.51	ug/l	98
36) 1,1-Dichloropropene	4.45	75	400401	111.67	ug/l	97
37) Ethyl Acetate	4.29	43	232200	103.74	ug/l	95
38) Carbon Tetrachloride	4.17	117	474737m	119.35	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	353938	99.68	ug/l	89
40) Benzene	4.81	78	814693	98.88	ug/l	96
41) Methacrylonitrile	4.92	41	115974	105.54	ug/l	97
42) 1,2-Dichloroethane	5.11	62	480763	123.45	ug/l	99
43) Isopropyl Acetate	7.10	43	317671	105.64	ug/l	99
44) Trichloroethene	5.68	130	283241	107.13	ug/l	92
45) 1,2-Dichloropropane	6.40	63	241223	101.14	ug/l	100
46) Dibromomethane	6.25	93	208078	114.43	ug/l	93
47) Bromodichloromethane	6.54	83	501291	119.44	ug/l	97
48) Methyl methacrylate	6.87	41	215057	116.77	ug/l	94
49) 1,4-Dioxane	6.87	88	22329	1830.36	ug/l	89
51) 4-Methyl-2-Pentanone	8.41	43	1058184	512.51	ug/l	100
52) Toluene	7.78	92	618123	103.23	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	456263	111.41	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	498756	108.46	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	248429	112.63	ug/l	96
56) Ethyl methacrylate	8.76	69	296000	106.50	ug/l	95
57) 1,3-Dichloropropane	9.00	76	408653	109.12	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	113612	566.33	ug/l	100
59) 2-Hexanone	9.63	43	802988	491.42	ug/l	96
60) Dibromochloromethane	8.86	129	386860	120.73	ug/l	93
61) 1,2-Dibromoethane	9.14	107	290028	112.95	ug/l	96
64) Tetrachloroethene	8.31	164	289307	102.69	ug/l	97
65) Chlorobenzene	9.94	112	815415	106.60	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	336809	110.08	ug/l	95
67) Ethyl Benzene	10.04	91	1327579	100.76	ug/l	98
68) m/p-Xylenes	10.27	106	943359	188.61	ug/l	94
69) o-Xylene	10.83	106	526228	97.81	ug/l	98
70) Styrene	10.90	104	788590	97.44	ug/l	98
71) Bromoform	10.89	173	240958	114.40	ug/l	# 97
73) Isopropylbenzene	11.23	105	1651986	104.07	ug/l	96
74) N-amyl acetate	11.46	43	535332	95.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	359192	95.43	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	262188	94.10	ug/l	100
77) Bromobenzene	11.60	156	411203	101.59	ug/l	96
78) n-propylbenzene	11.69	91	1747442	92.95	ug/l	98
79) 2-Chlorotoluene	11.82	91	1079513	96.83	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	1261072	95.47	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	171684	94.62	ug/l	95
82) 4-Chlorotoluene	11.99	91	1124666	94.65	ug/l	99
83) tert-Butylbenzene	12.21	119	1276675	96.87	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	1338204	98.36	ug/l	96
85) sec-Butylbenzene	12.39	105	1728543	97.37	ug/l	96
86) p-Isopropyltoluene	12.54	119	1431776	97.92	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	703827	94.49	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	726677	101.13	ug/l	97
89) n-Butylbenzene	12.92	91	1382103	90.92	ug/l	96
90) Hexachloroethane	13.00	117	364608	101.49	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	694414	96.88	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	83474	111.24	ug/l	95

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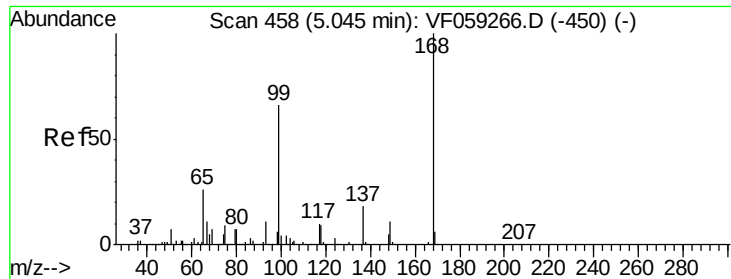
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	532780	104.42	ug/l	99
94) Hexachlorobutadiene	14.26	225	326186	110.79	ug/l	99
95) Naphthalene	14.53	128	1160479	106.40	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	523816	110.98	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

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Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 237960

Ion Ratio Lower Upper

168 100

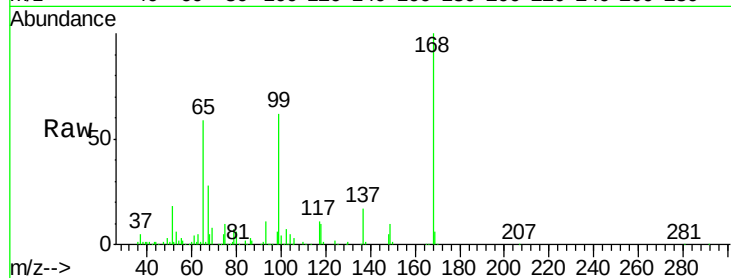
99 62.4 52.6 78.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

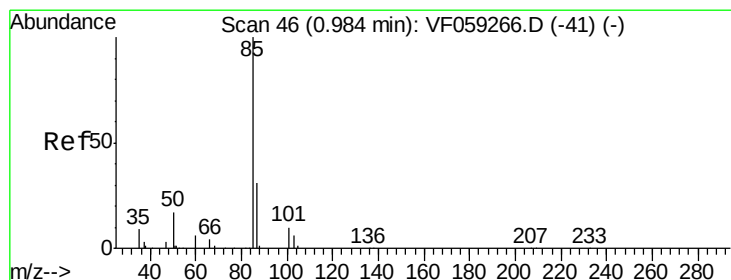
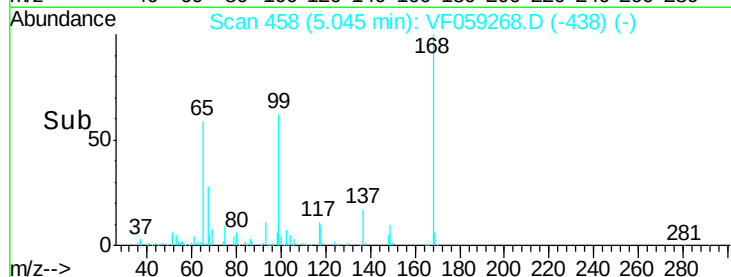
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 102.24 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059268.D

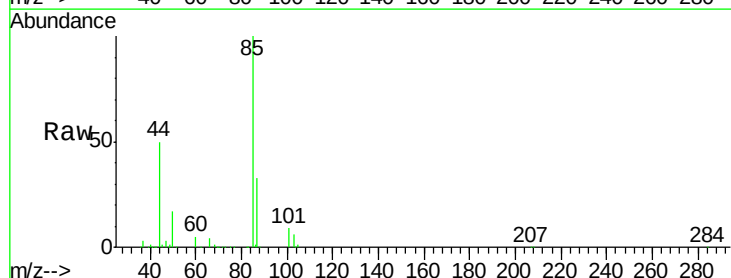
Acq: 21 Jun 2018 18:08

Tgt Ion: 85 Resp: 276284

Ion Ratio Lower Upper

85 100

87 32.7 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

80000

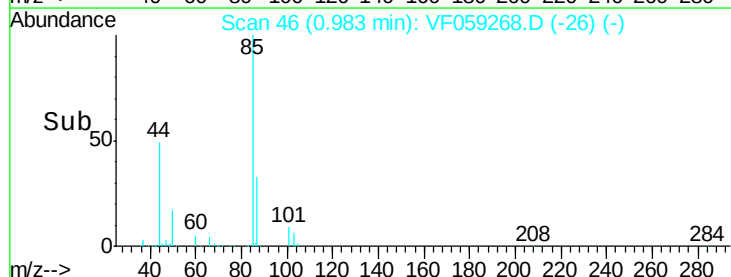
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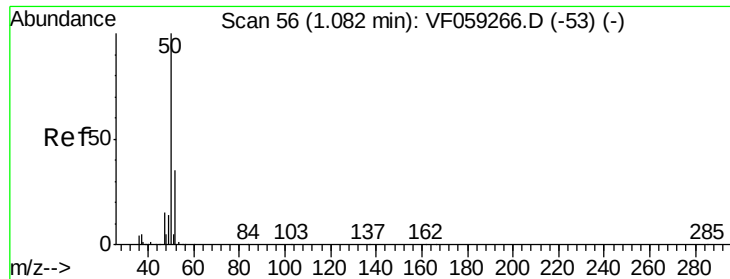
40000

20000

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Time-->





#3

Chloromethane

Concen: 84.00 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 169231

Ion Ratio Lower Upper

50 100

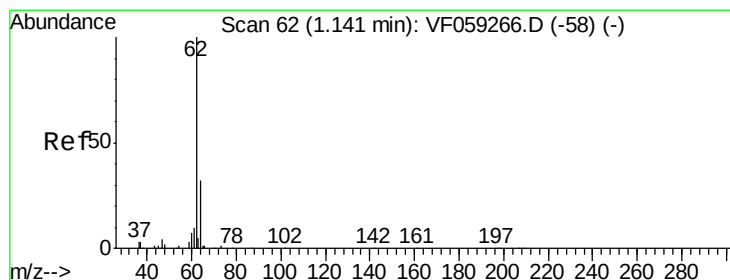
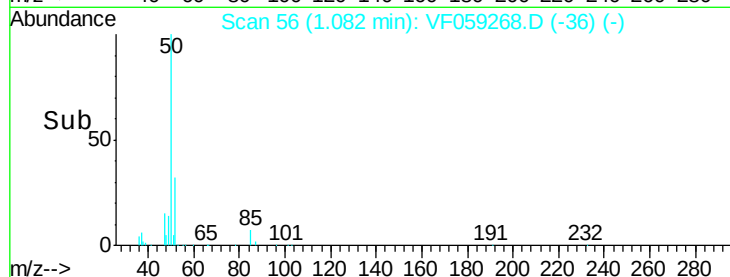
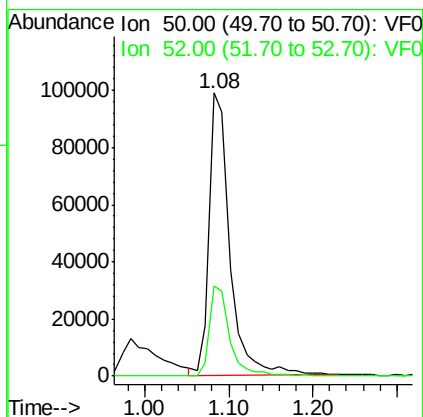
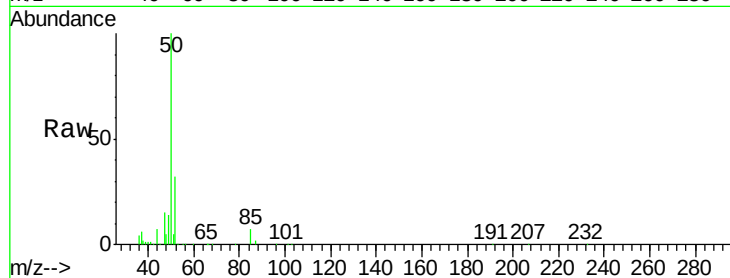
52 31.8 27.7 41.5

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#4

Vinyl Chloride

Concen: 96.99 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059268.D

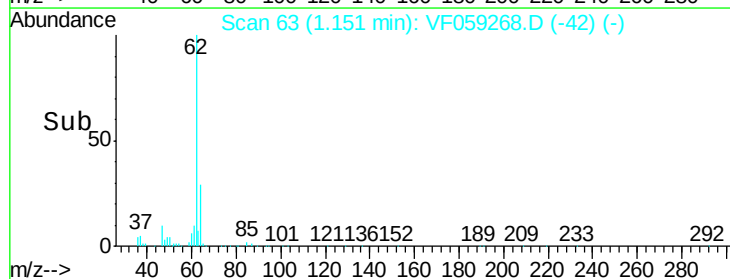
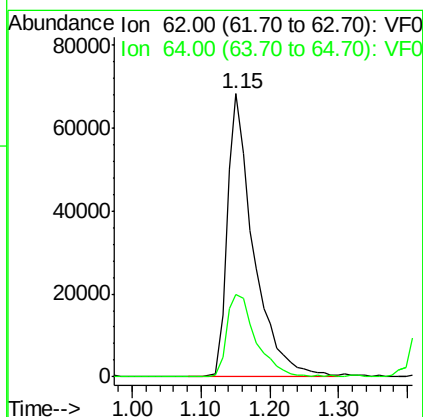
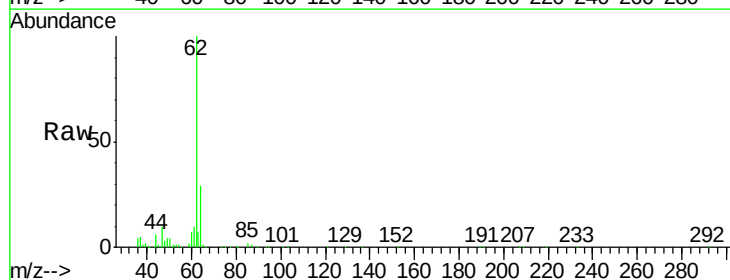
Acq: 21 Jun 2018 18:08

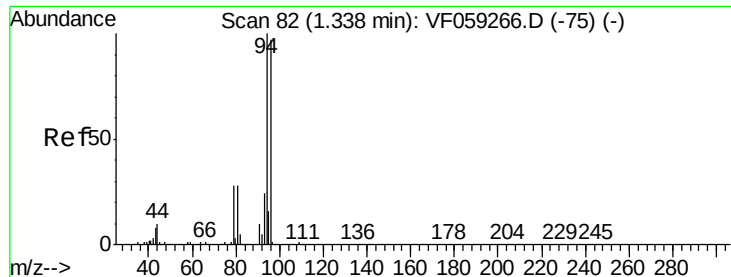
Tgt Ion: 62 Resp: 179641

Ion Ratio Lower Upper

62 100

64 29.3 25.7 38.5





#5

Bromomethane

Concen: 104.44 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 115718

Ion Ratio Lower Upper

94 100

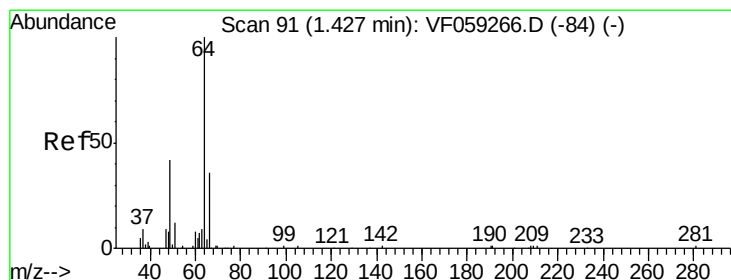
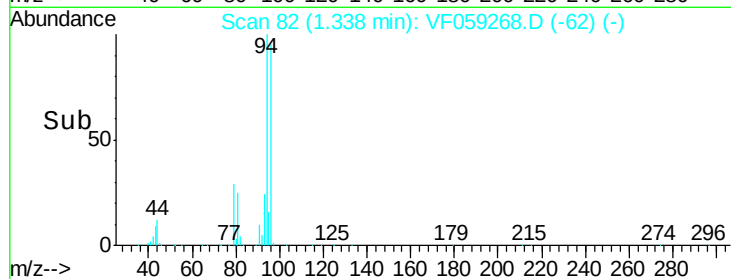
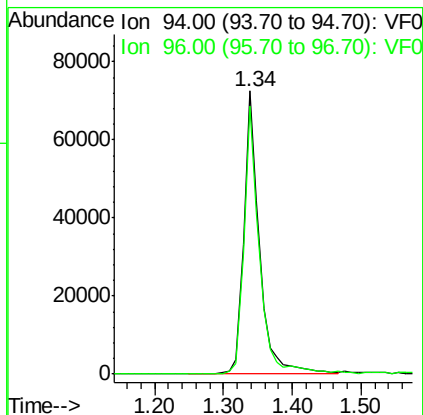
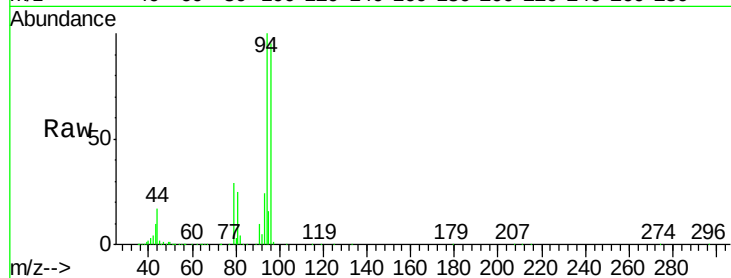
96 94.5 77.7 116.5

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#6

Chloroethane

Concen: 113.07 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059268.D

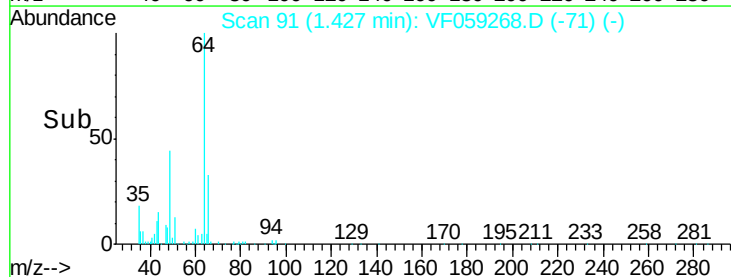
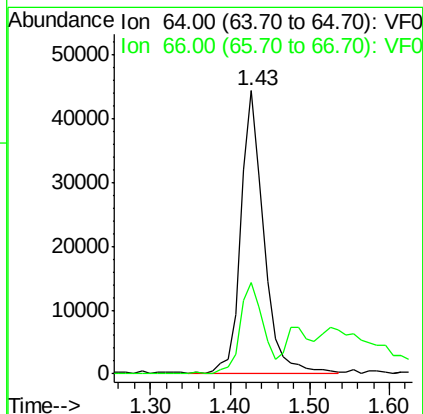
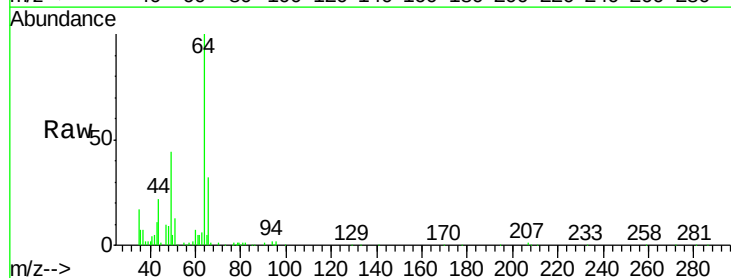
Acq: 21 Jun 2018 18:08

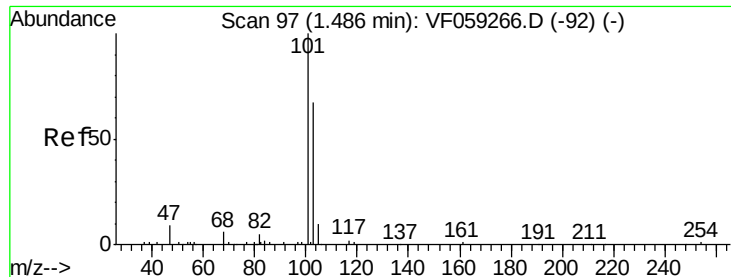
Tgt Ion: 64 Resp: 88985

Ion Ratio Lower Upper

64 100

66 32.4 29.4 44.2





#7

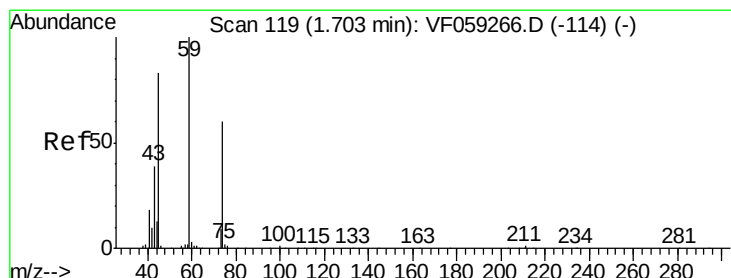
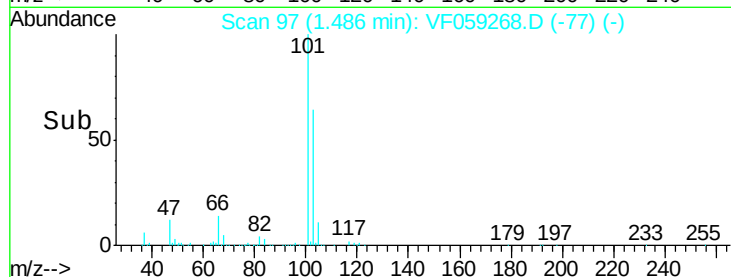
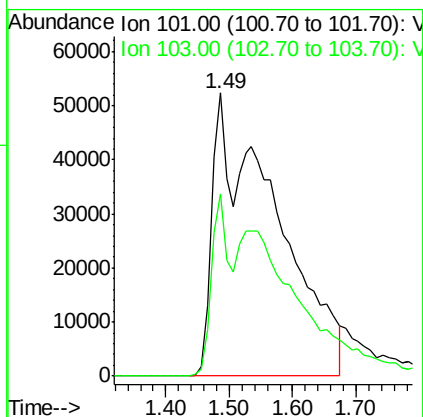
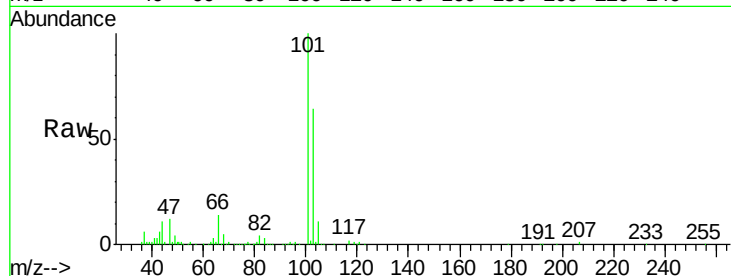
Trichlorofluoromethane
Concen: 119.98 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	53.8	80.8

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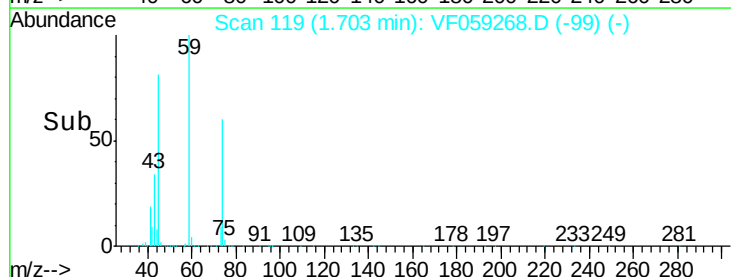
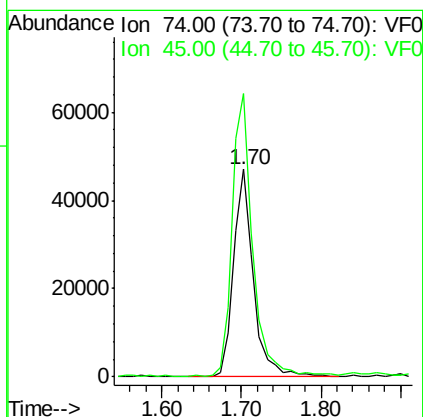
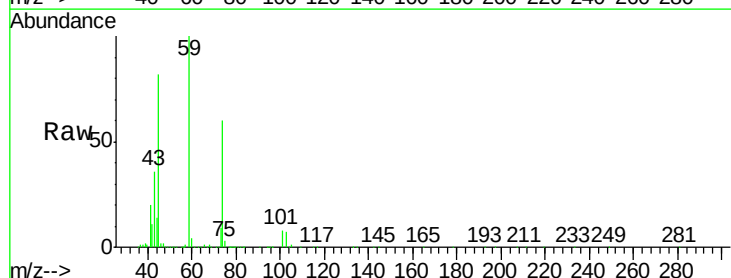
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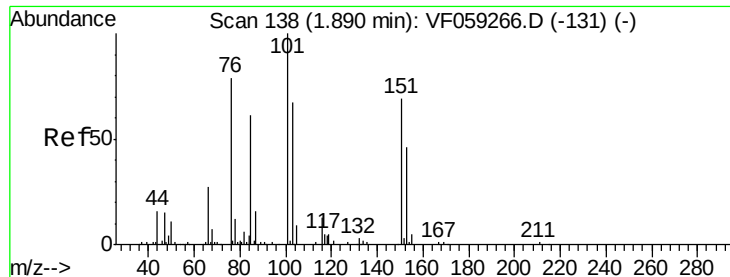


#8

Diethyl Ether
Concen: 113.25 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.2	69.2	207.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.90 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

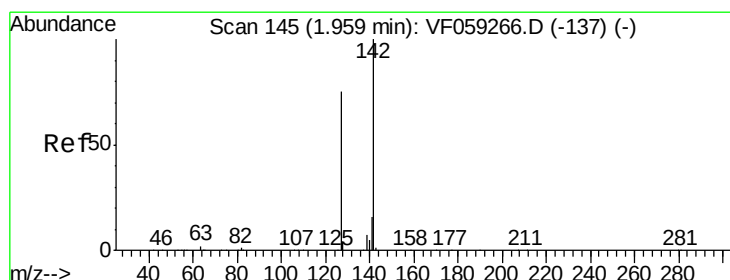
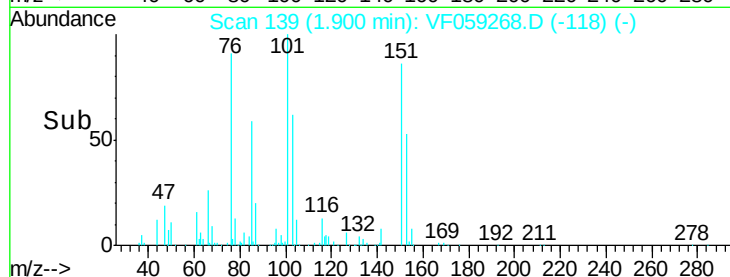
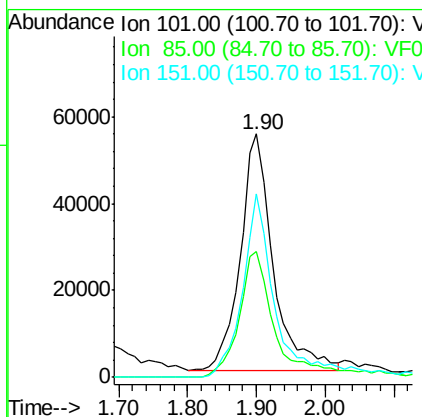
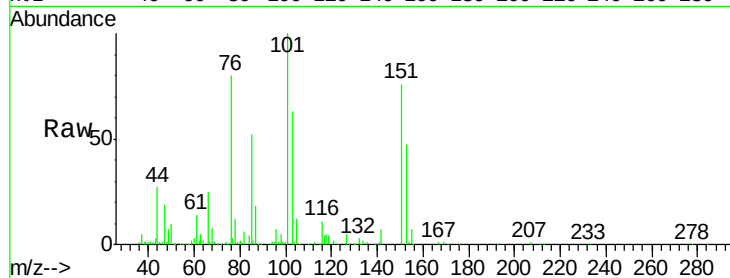
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	181490
Ion Ratio	Lower	Upper	
101	100		
85	51.6	47.2	70.8
151	75.6	53.3	79.9

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#10

Methyl Iodide

Concen: 109.08 ug/l

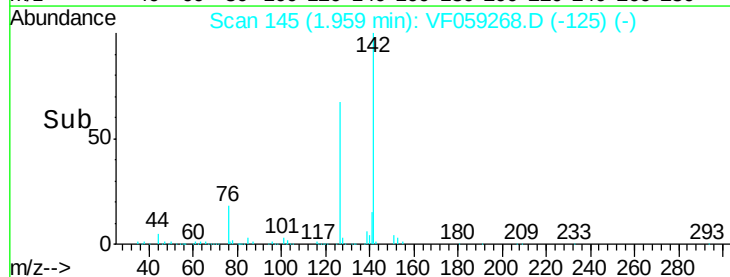
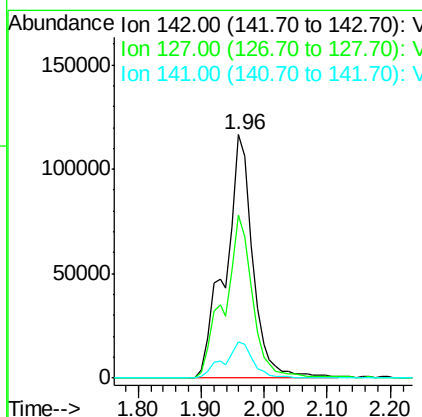
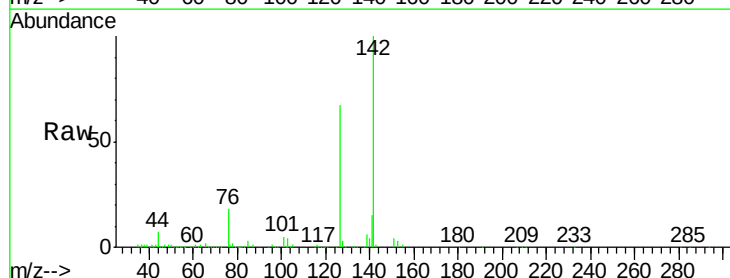
RT: 1.96 min Scan# 145

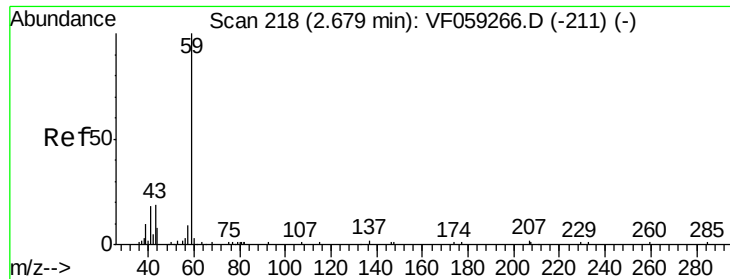
Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion:	142	Resp:	355283
Ion Ratio	Lower	Upper	
142	100		
127	67.0	59.9	89.9
141	14.7	12.7	19.1





#11

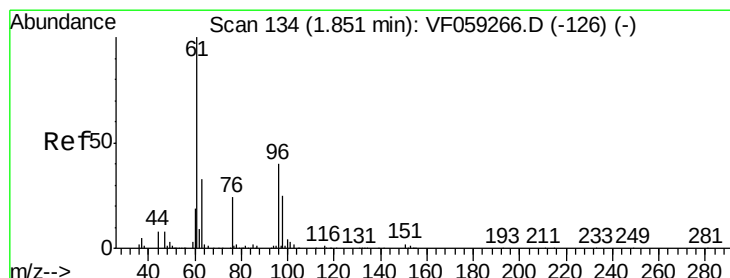
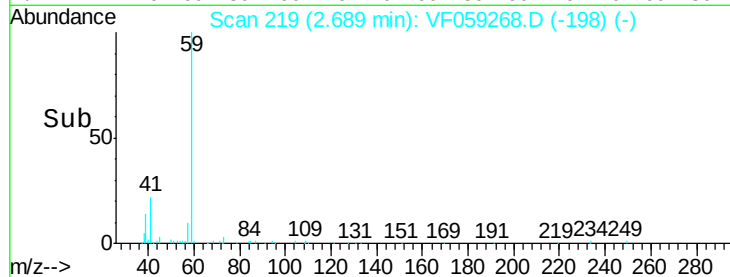
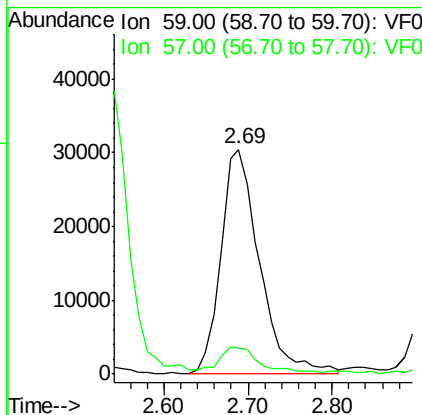
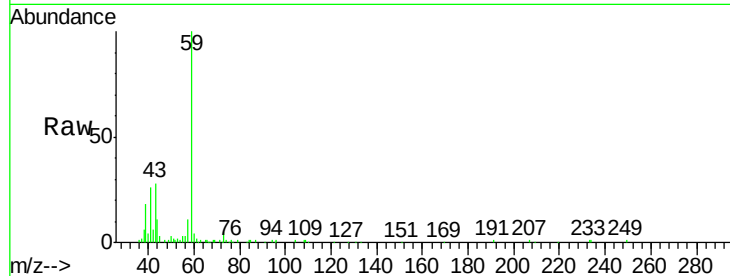
Tert butyl alcohol
Concen: 522.86 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.2	13.8

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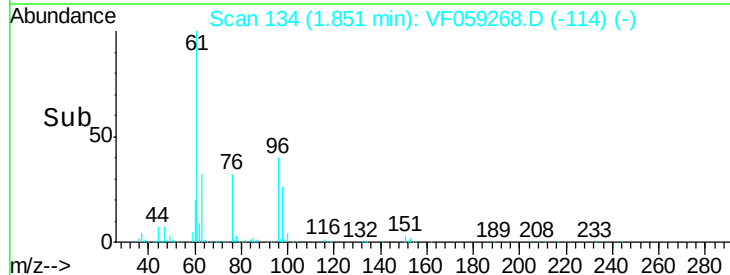
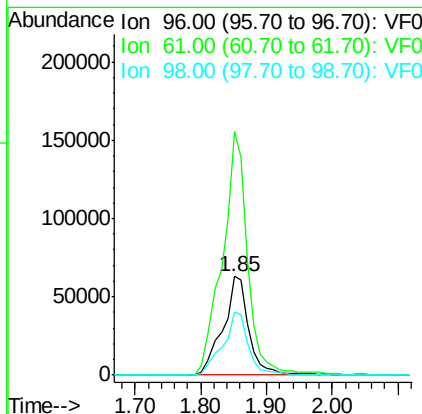
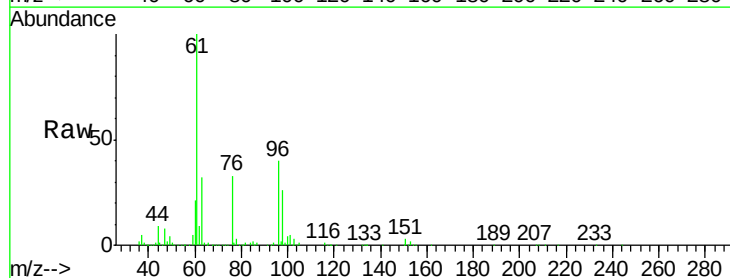
apatel
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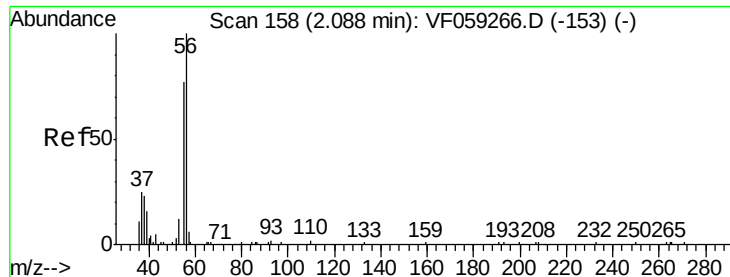


#12

1,1-Dichloroethene
Concen: 110.04 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	247.5	201.4	302.2
98	64.4	50.0	75.0





#13

Acrolein

Concen: 476.29 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 77001

Ion Ratio Lower Upper

56 100

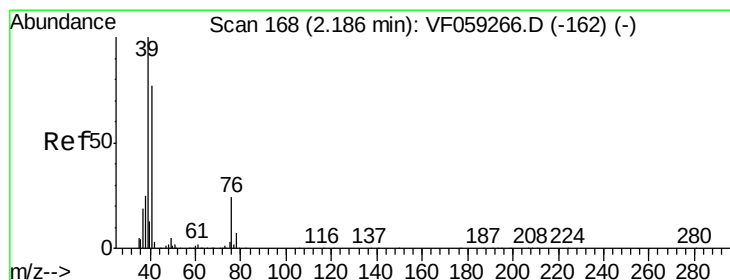
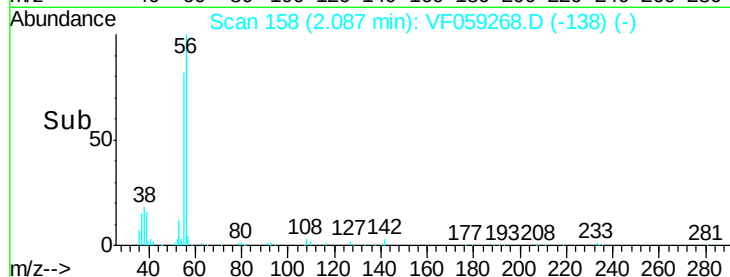
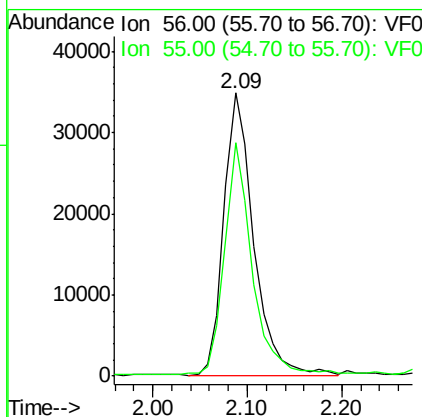
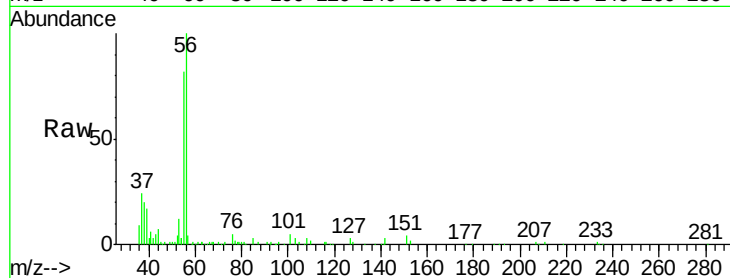
55 82.5 63.0 94.6

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#14

Allyl chloride

Concen: 105.93 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

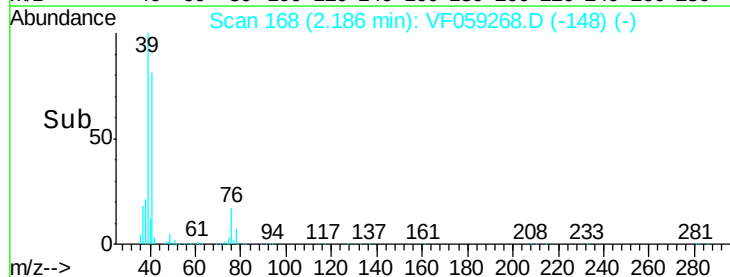
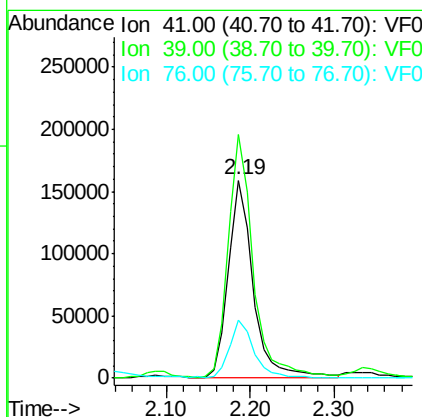
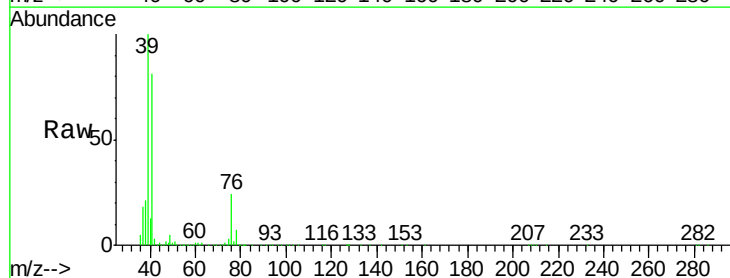
Tgt Ion: 41 Resp: 323850

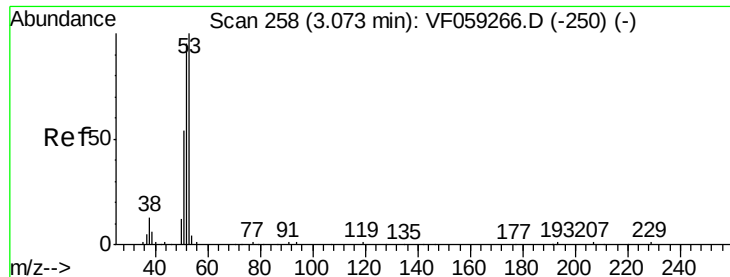
Ion Ratio Lower Upper

41 100

39 123.2 103.8 155.6

76 29.4 25.0 37.6





#15

Acrylonitrile

Concen: 547.11 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

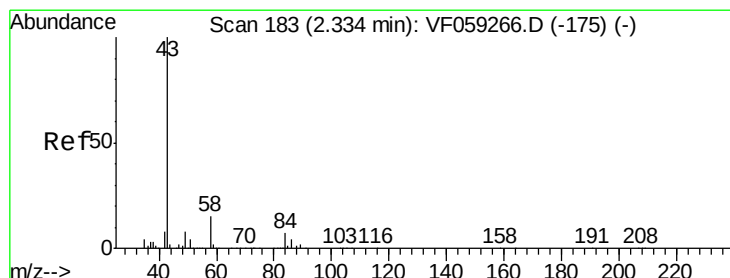
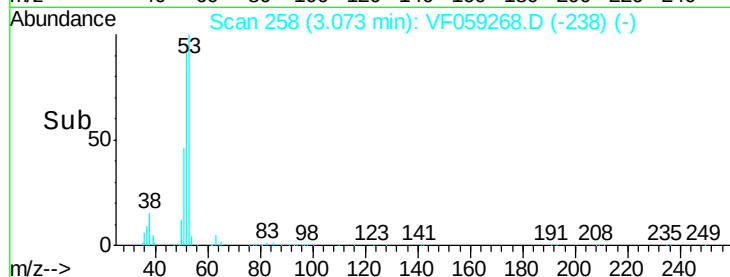
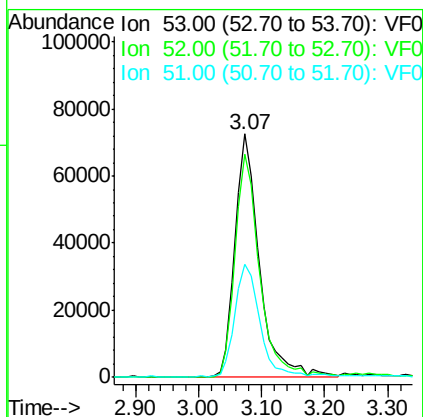
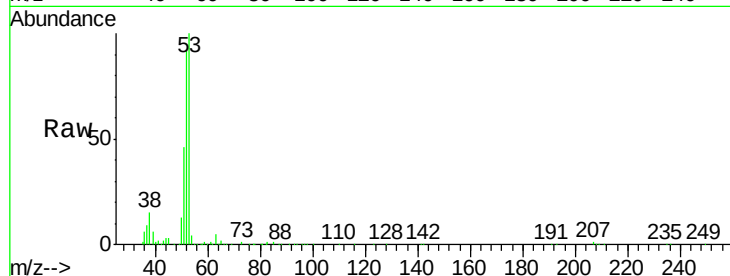
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	195136
Ion	Ratio	Lower	Upper
53	100		
52	91.8	75.7	113.5
51	46.2	44.5	66.7

Manual Integrations
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#16

Acetone

Concen: 533.14 ug/l

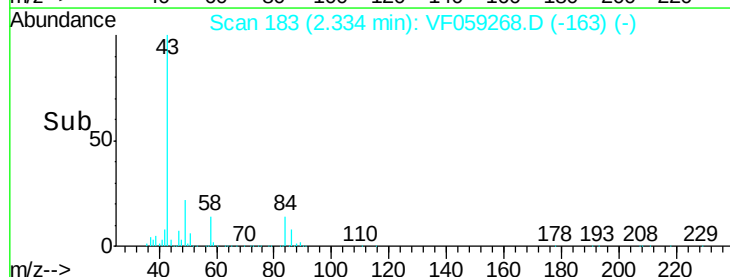
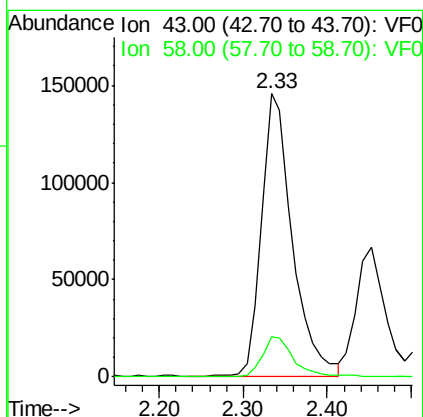
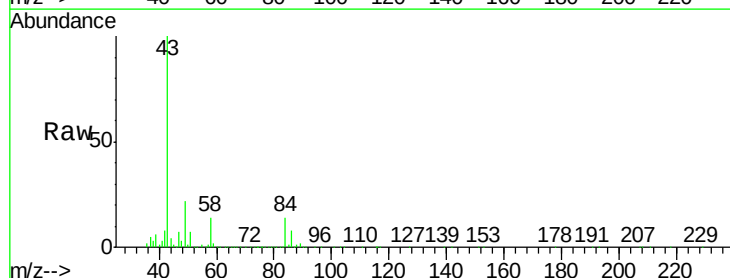
RT: 2.33 min Scan# 183

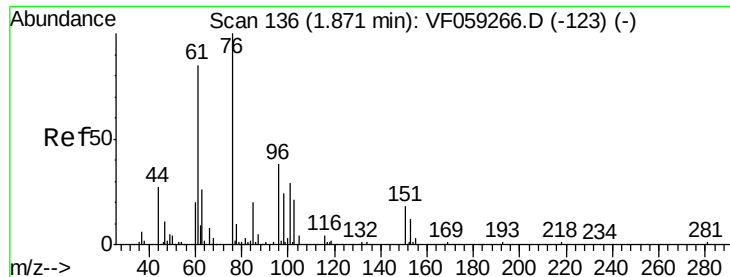
Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion:	43	Resp:	374770
Ion	Ratio	Lower	Upper
43	100		
58	14.1	12.1	18.1





#17

Carbon Disulfide

Concen: 101.07 ug/l

RT: 1.87 min Scan# 136

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 431668

Ion Ratio Lower Upper

76 100

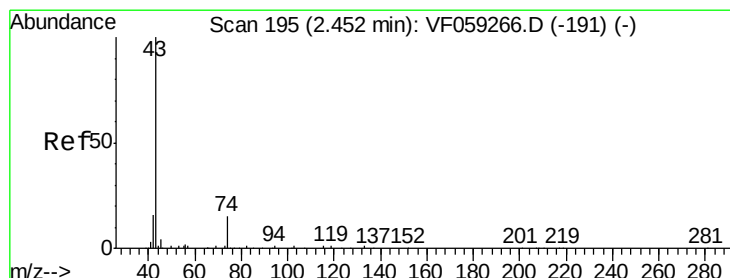
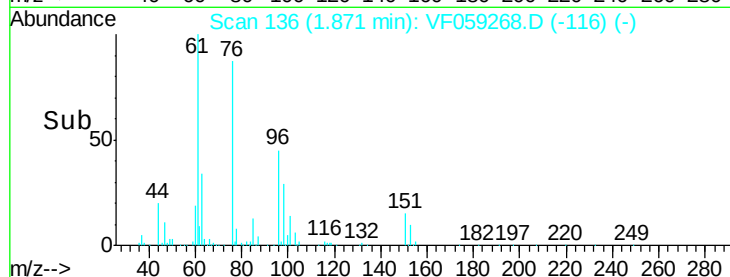
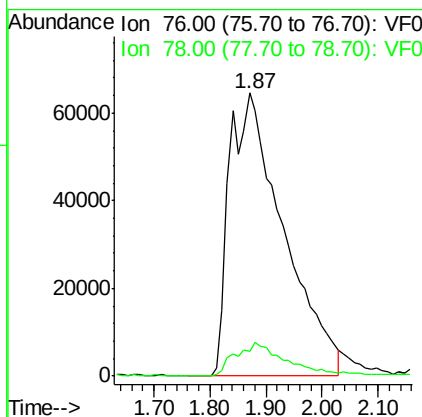
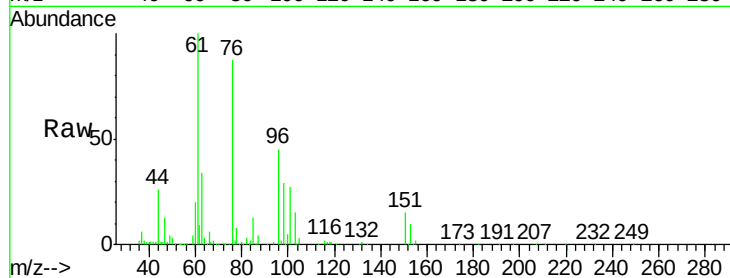
78 8.9 8.6 12.8

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#18

Methyl Acetate

Concen: 119.72 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF059268.D

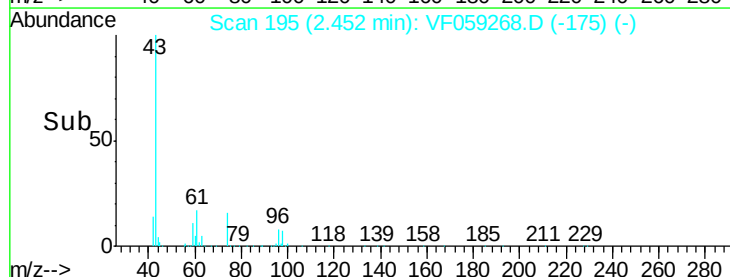
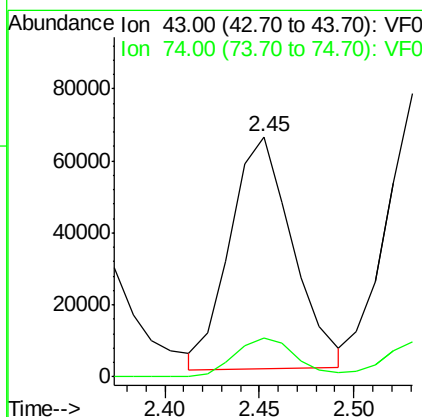
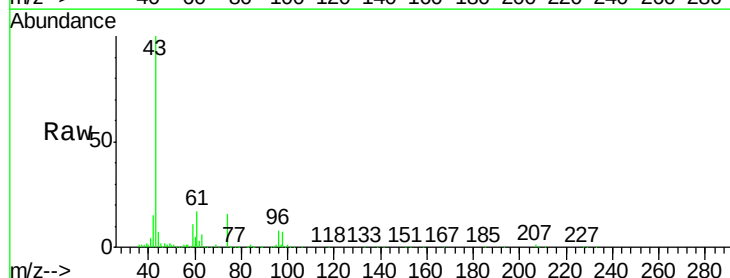
Acq: 21 Jun 2018 18:08

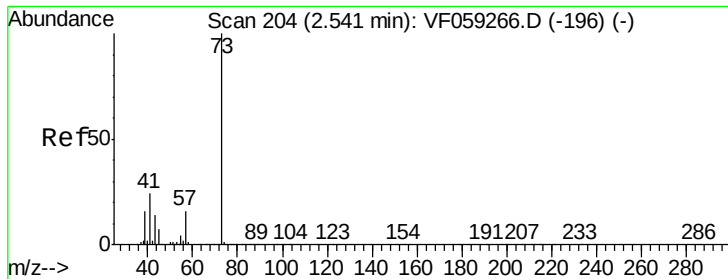
Tgt Ion: 43 Resp: 147204

Ion Ratio Lower Upper

43 100

74 16.4 11.0 16.4





#19

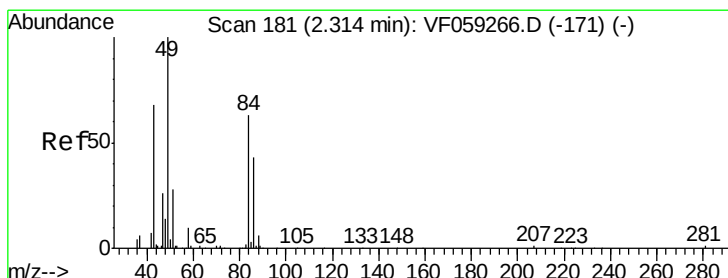
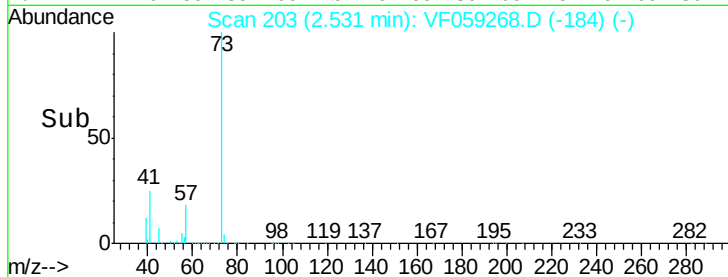
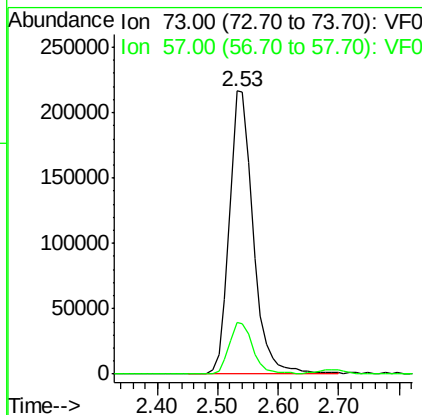
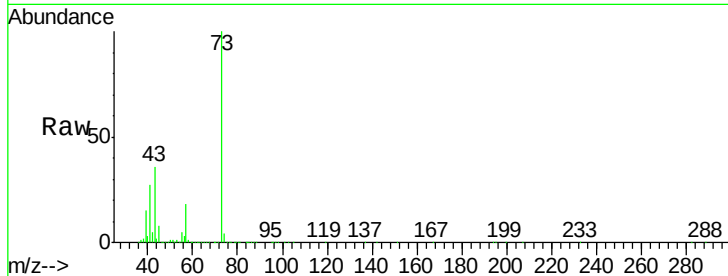
Methyl tert-butyl Ether
 Concen: 119.74 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.1	13.0	19.4

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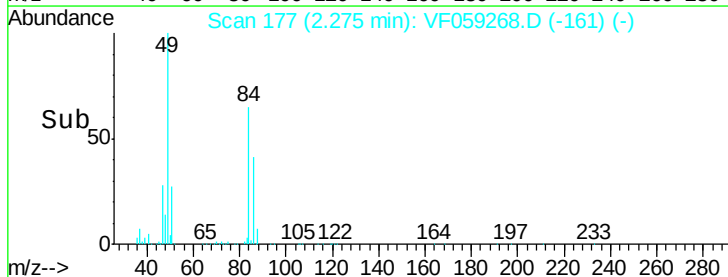
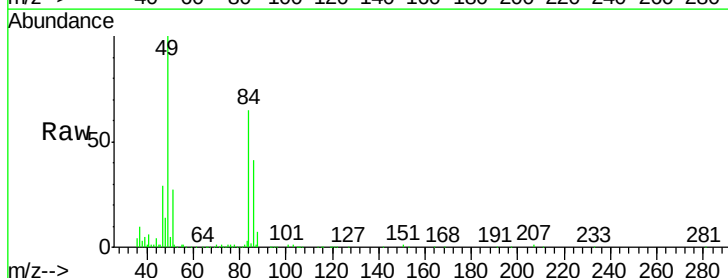
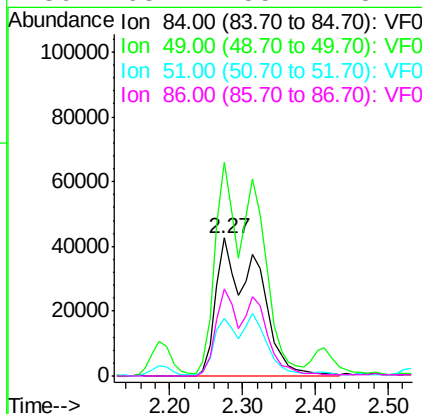
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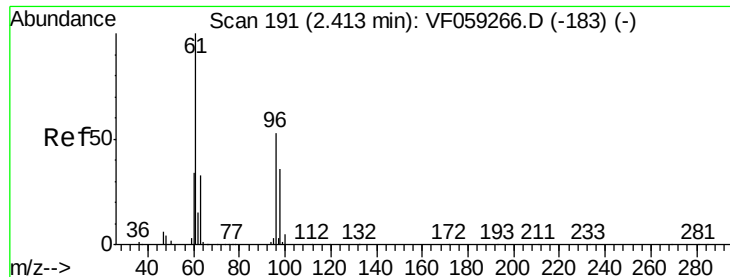


#20

Methylene Chloride
 Concen: 102.72 ug/l m
 RT: 2.27 min Scan# 177
 Delta R.T. -0.04 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.9	130.0	195.0
51	42.0	36.6	55.0
86	63.4	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 106.42 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

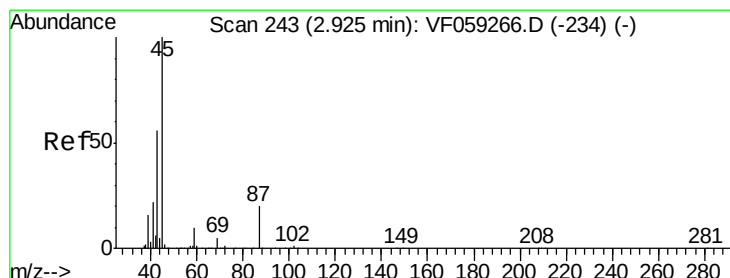
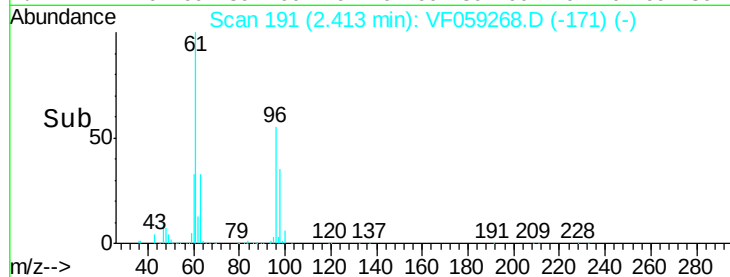
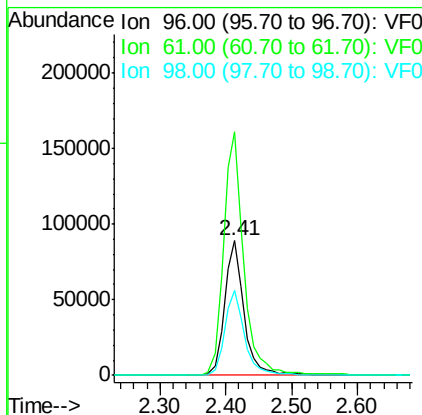
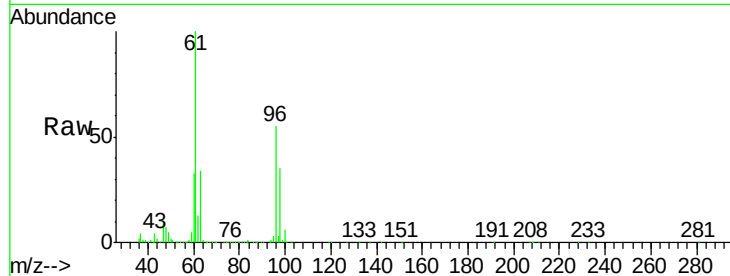
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	183560
Ion	Ratio	Lower	Upper
96	100		
61	181.3	151.2	226.8
98	63.6	54.2	81.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 110.75 ug/l

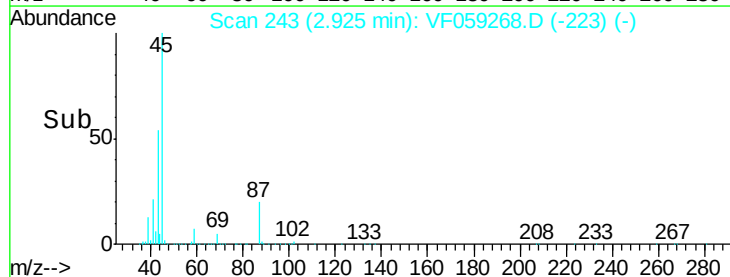
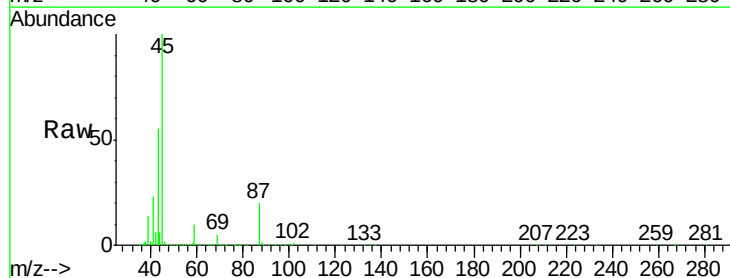
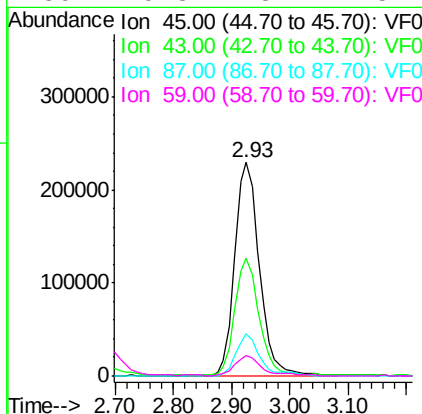
RT: 2.93 min Scan# 243

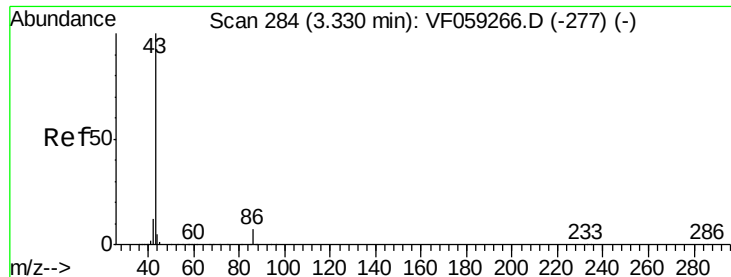
Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion:	45	Resp:	677585
Ion	Ratio	Lower	Upper
45	100		
43	55.3	45.8	68.6
87	19.7	15.7	23.5
59	9.8	8.7	13.1





#23

Vinyl Acetate

Concen: 522.61 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2085332

Ion Ratio Lower Upper

43 100

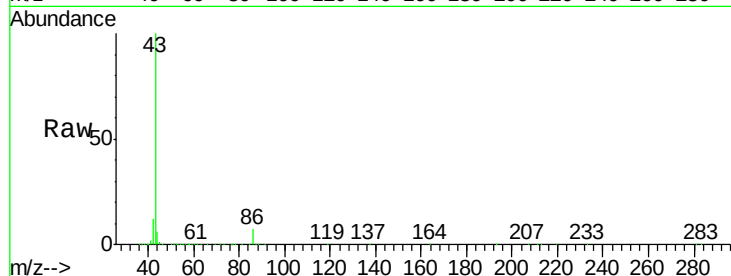
86 7.1 5.4 8.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

800000

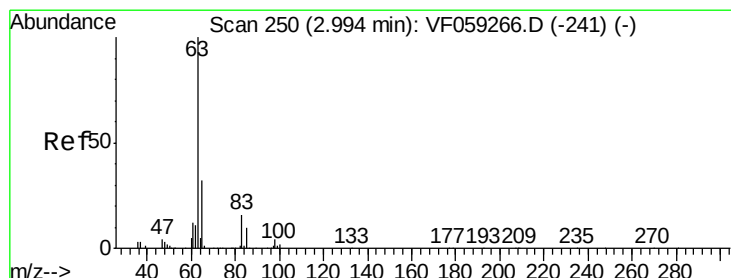
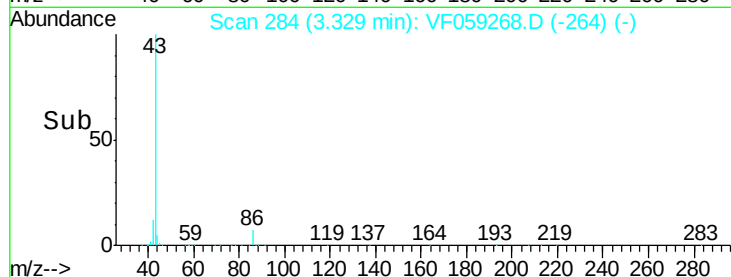
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 111.22 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

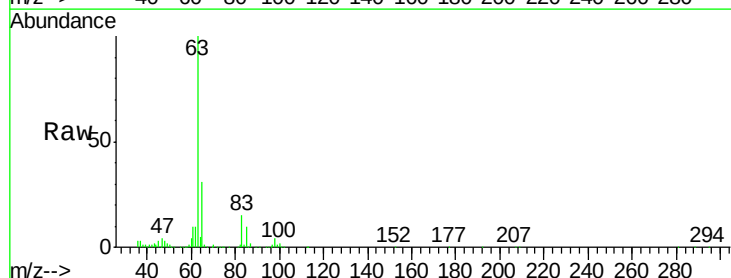
Tgt Ion: 63 Resp: 414554

Ion Ratio Lower Upper

63 100

98 3.8 2.0 5.8

100 2.4 1.1 3.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

200000

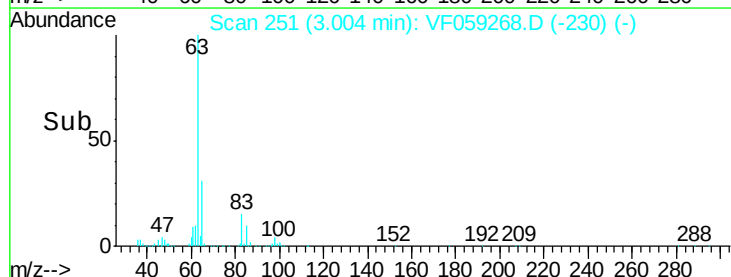
150000

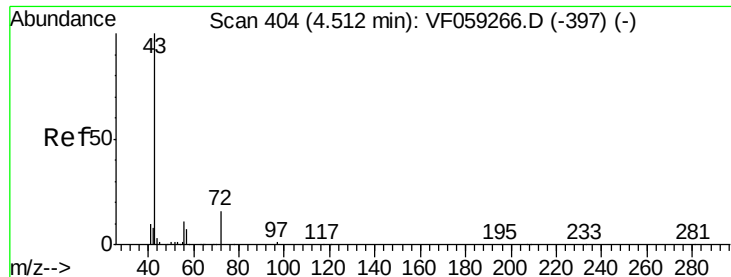
100000

50000

0

Time-->





#25

2-Butanone

Concen: 480.33 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tot Ion: 43 Resp: 516036

Ion Ratio Lower Upper

43 100

72 20.4 15.2 22.8

Instrument :

MSVOA_F

ClientSampleId :

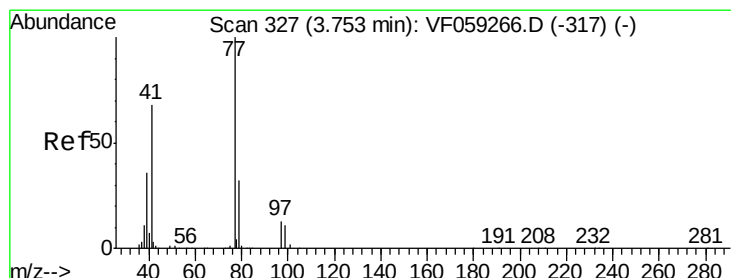
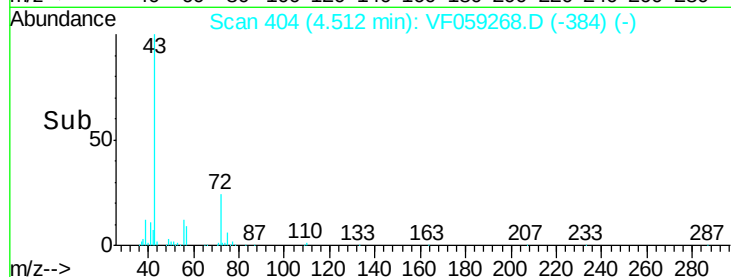
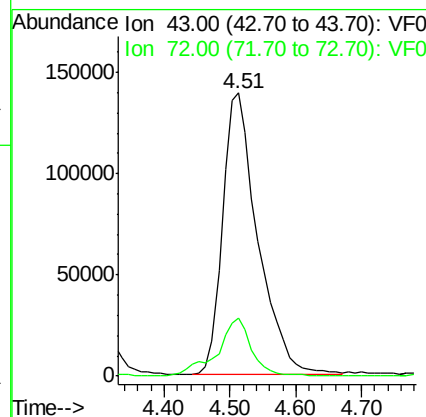
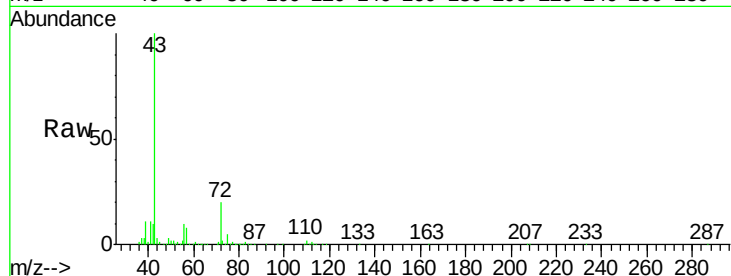
VSTDIC100

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#26

2,2-Dichloropropane

Concen: 107.27 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059268.D

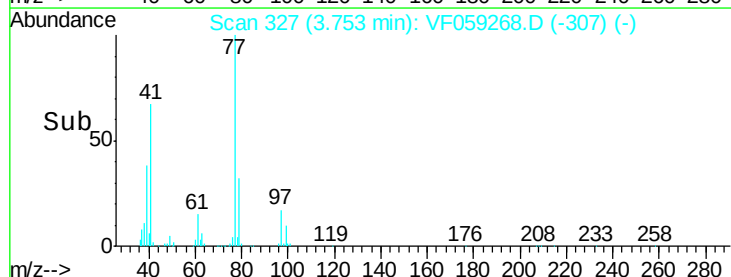
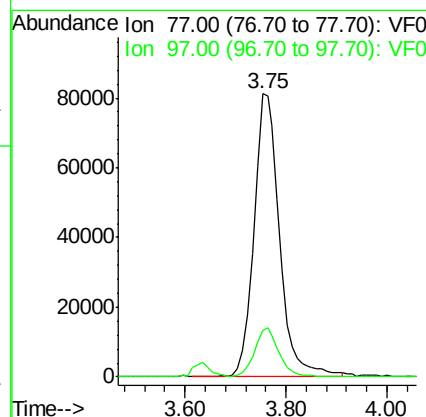
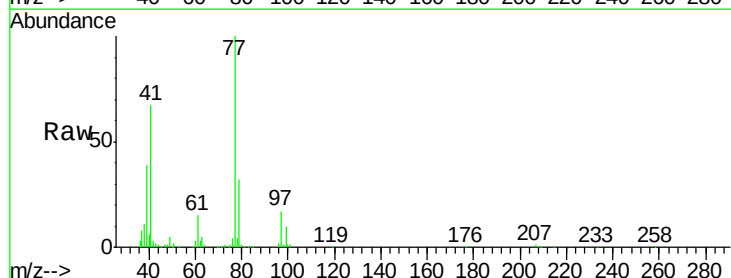
Acq: 21 Jun 2018 18:08

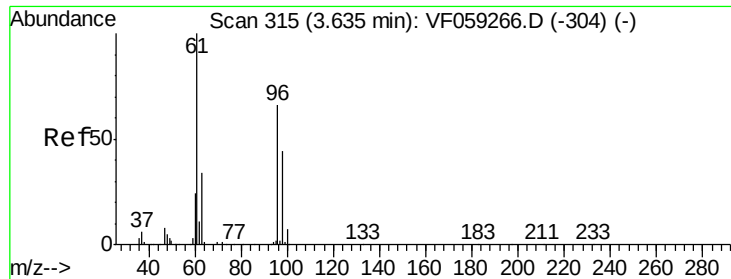
Tgt Ion: 77 Resp: 288646

Ion Ratio Lower Upper

77 100

97 16.7 7.6 22.8





#27

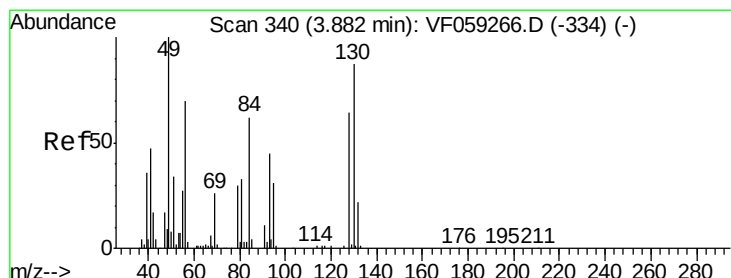
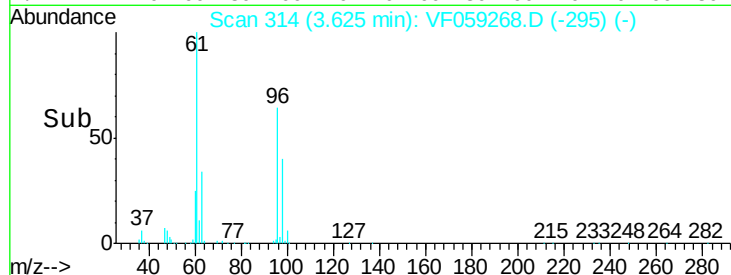
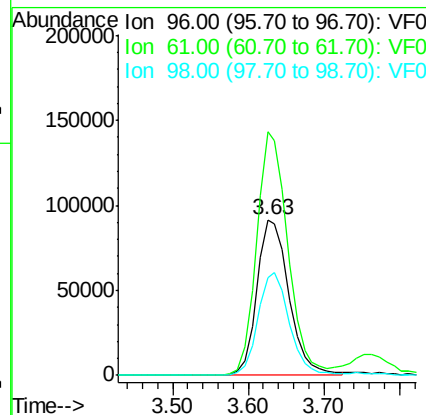
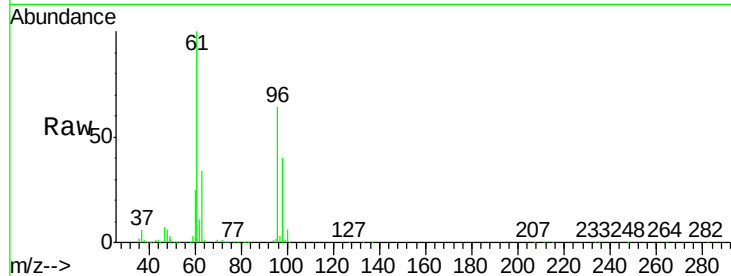
cis-1,2-Dichloroethene
Concen: 102.96 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	271652		
61	156.2	0.0	305.0	
98	62.9	0.0	134.0	

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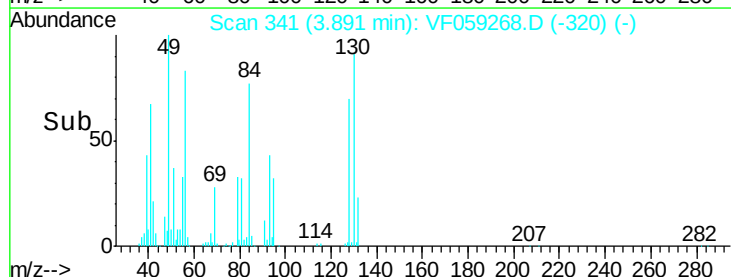
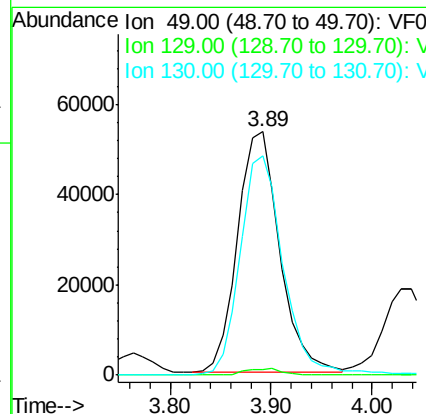
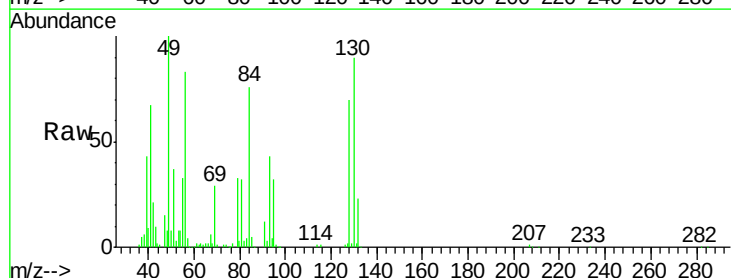
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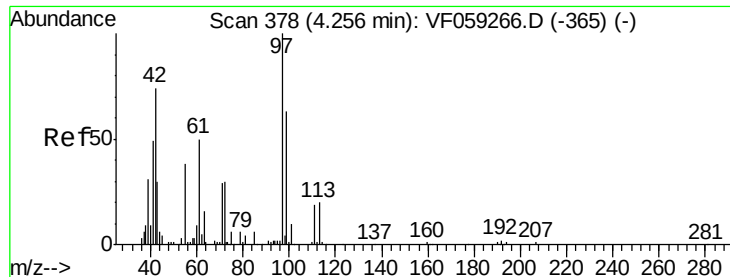


#28

Bromochloromethane
Concen: 94.19 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	155345		
129	2.1	0.0	3.8	
130	90.1	69.4	104.2	





#29

Tetrahydrofuran

Concen: 483.75 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

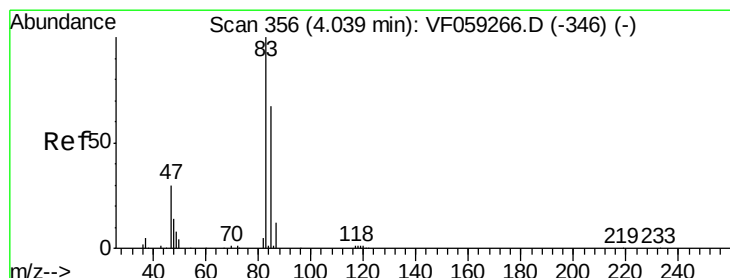
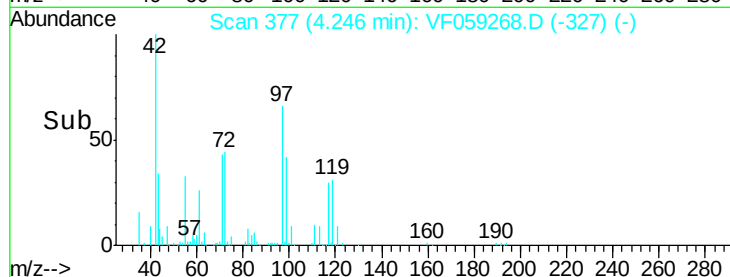
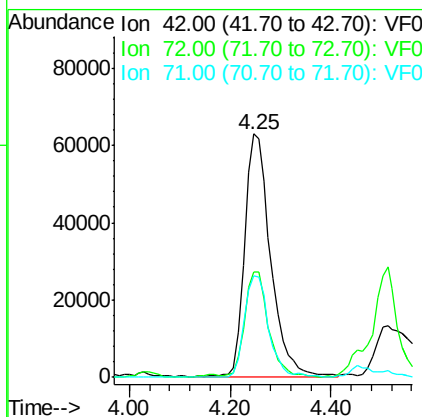
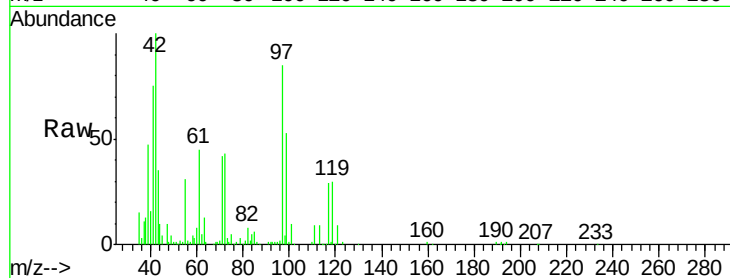
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	226757
Ion Ratio	Lower	Upper	
42	100		
72	39.3	31.2	46.8
71	39.1	30.2	45.2

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#30

Chloroform

Concen: 116.27 ug/l

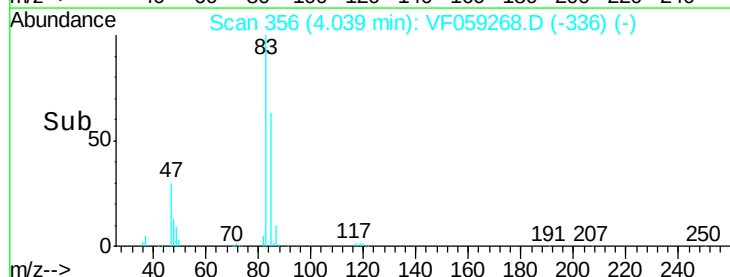
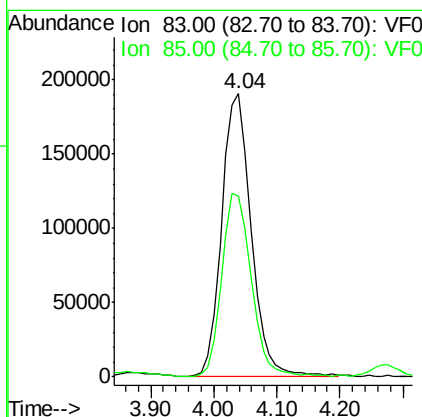
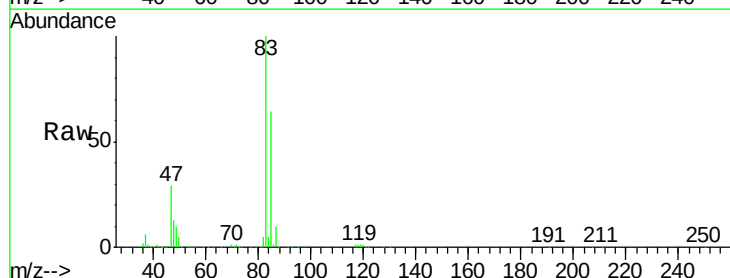
RT: 4.04 min Scan# 356

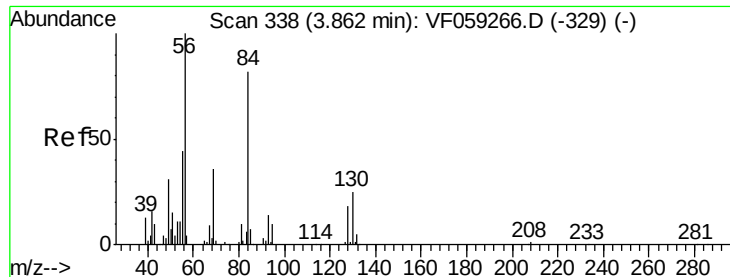
Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion:	83	Resp:	618018
Ion Ratio	Lower	Upper	
83	100		
85	63.7	54.2	81.2





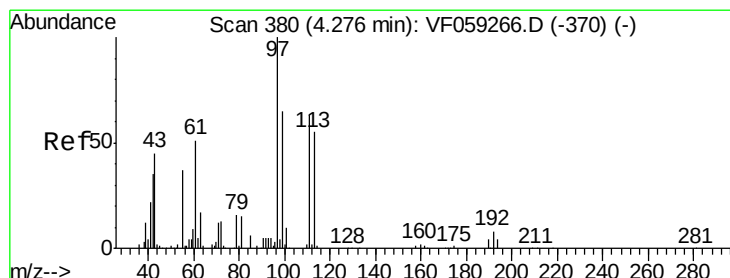
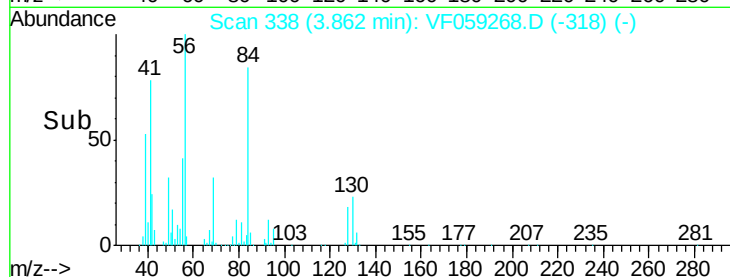
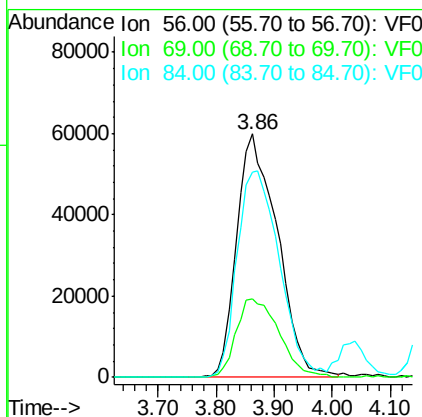
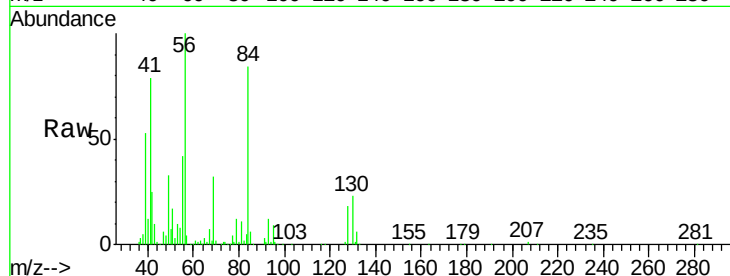
#31
Cyclohexane
Concen: 93.01 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	28.6	43.0
84	84.4	65.8	98.6

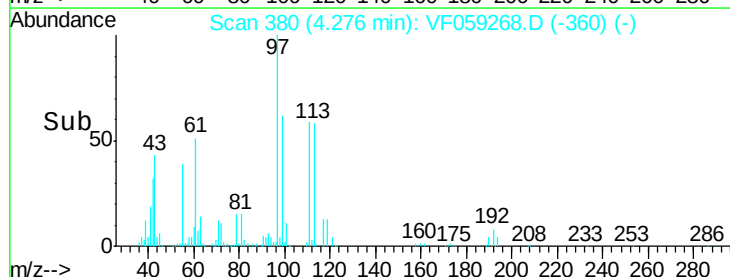
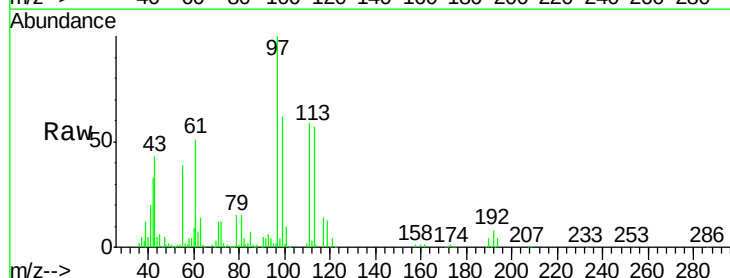
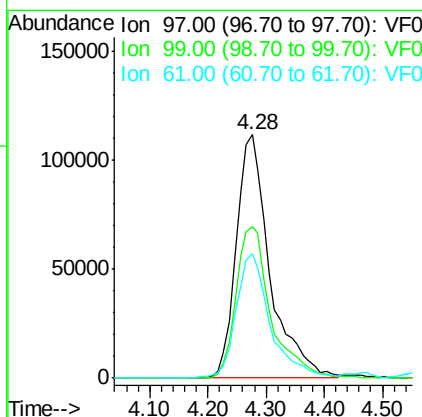
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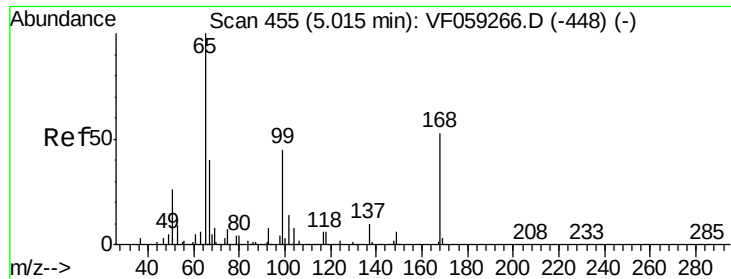
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#32
1,1,1-Trichloroethane
Concen: 112.51 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	52.4	78.6
61	51.1	40.9	61.3





#33

1,2-Dichloroethane-d4

Concen: 111.60 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tot Ion: 65 Resp: 328982

Ion Ratio Lower Upper

65 100

67 46.6 0.0 95.8

Instrument :

MSVOA_F

ClientSampleId :

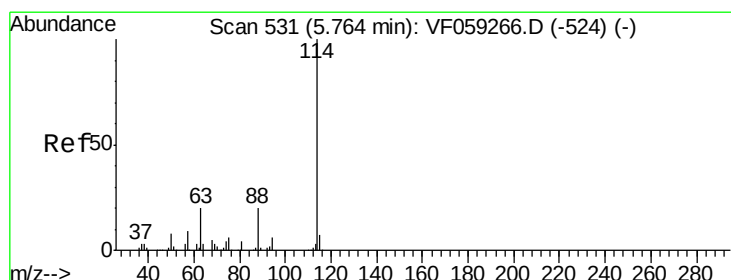
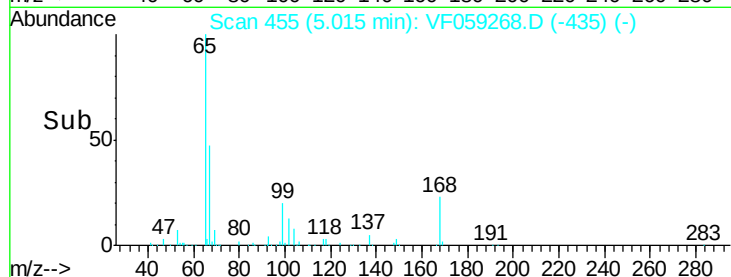
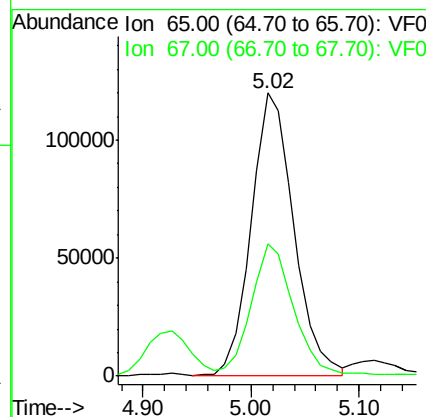
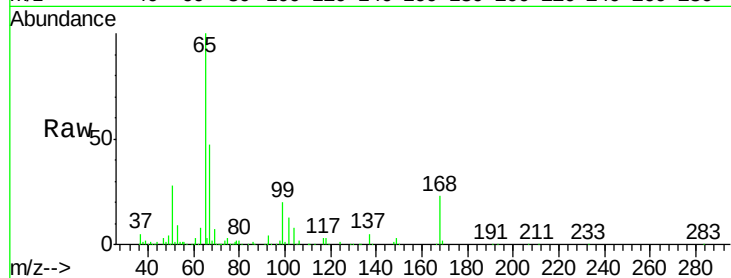
VSTDIC100

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

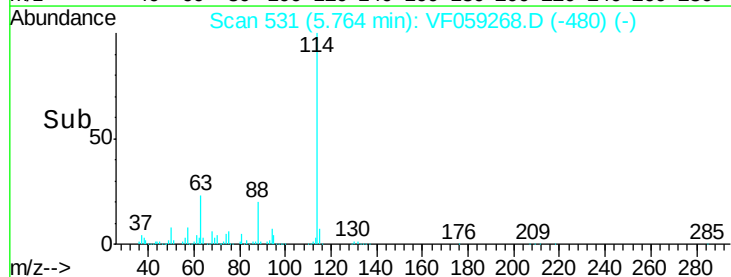
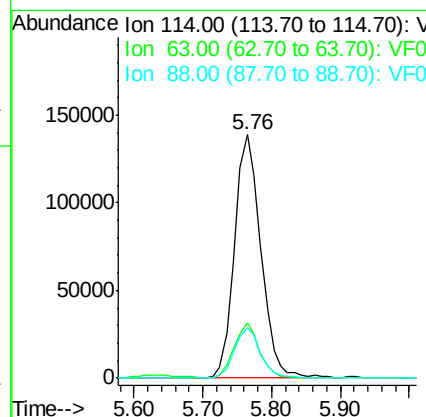
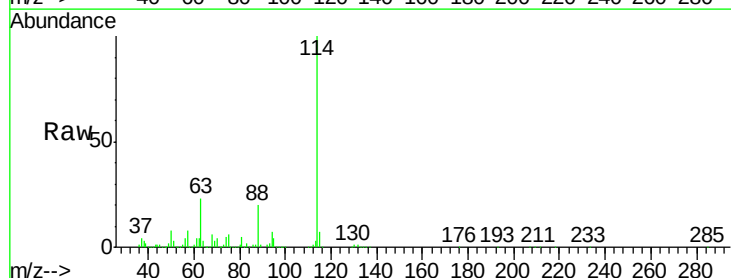
Tgt Ion: 114 Resp: 368686

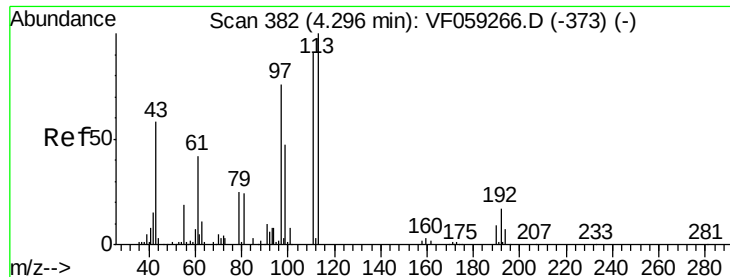
Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.0

88 20.4 0.0 39.6





#35

Dibromofluoromethane

Concen: 112.08 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

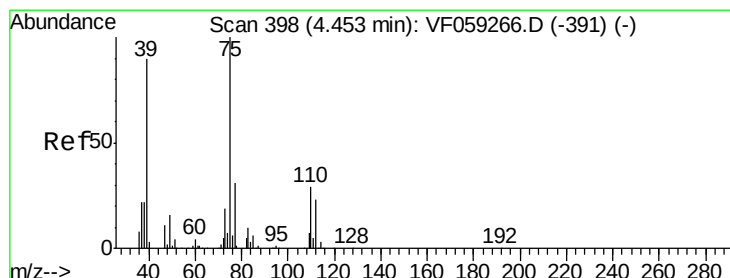
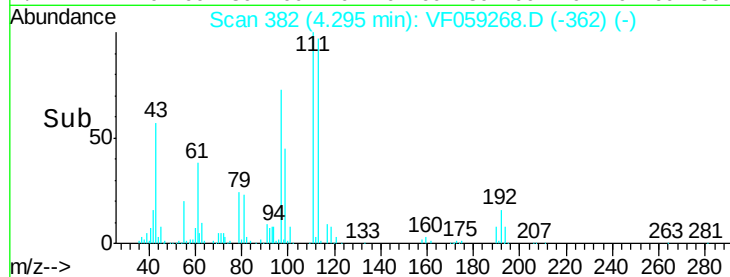
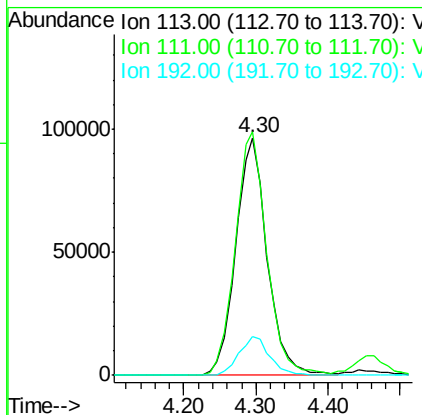
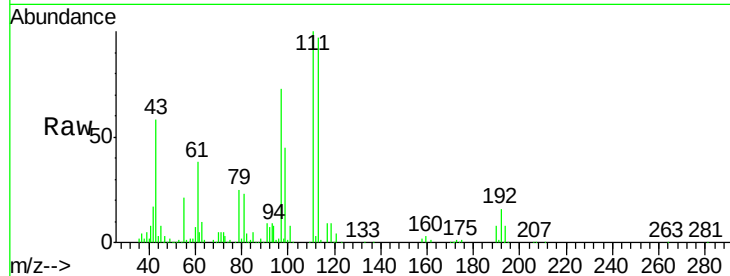
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	292699
Ion Ratio	Lower	Upper	
113	100		
111	102.6	73.1	109.7
192	16.5	13.9	20.9

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#36

1,1-Dichloropropene

Concen: 111.67 ug/l

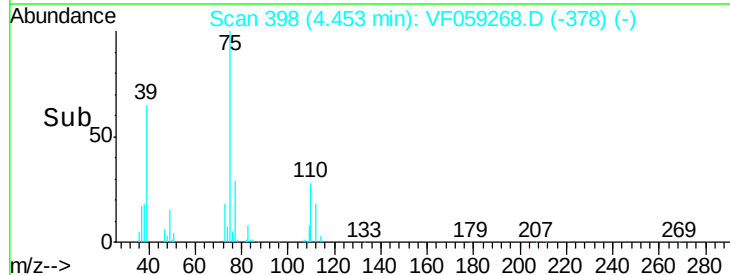
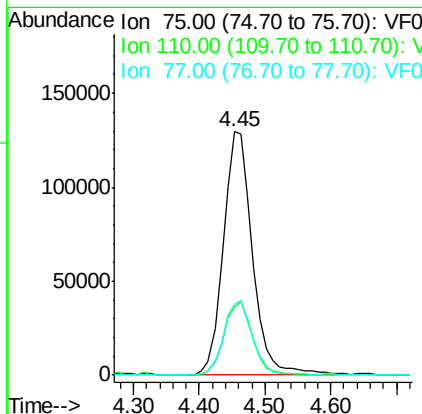
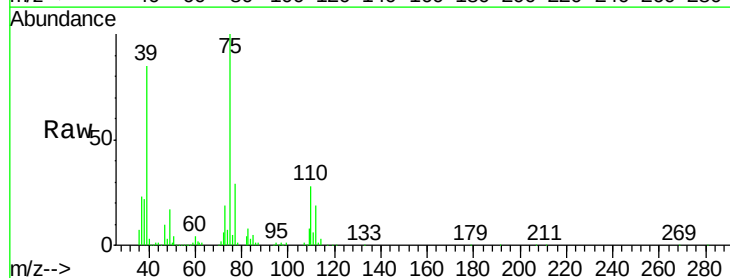
RT: 4.45 min Scan# 398

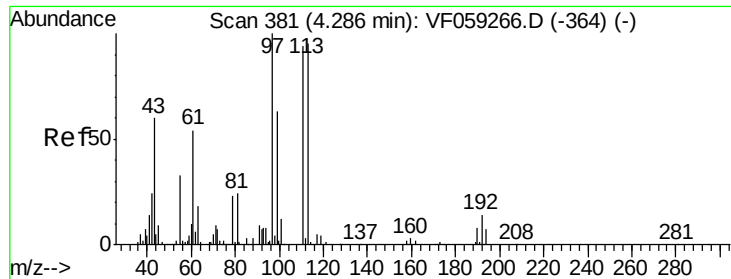
Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion:	75	Resp:	400401
Ion Ratio	Lower	Upper	
75	100		
110	28.0	14.5	43.5
77	29.2	25.0	37.6





#37

Ethyl Acetate

Concen: 103.74 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

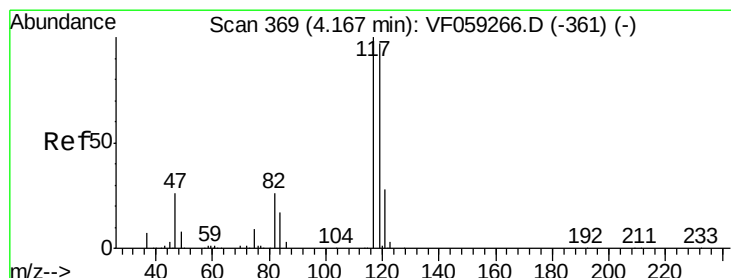
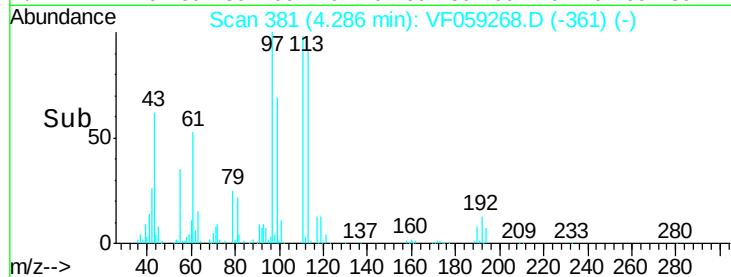
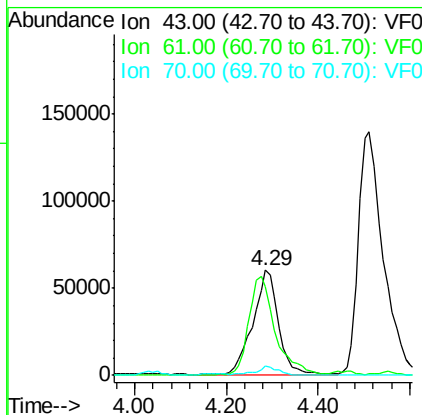
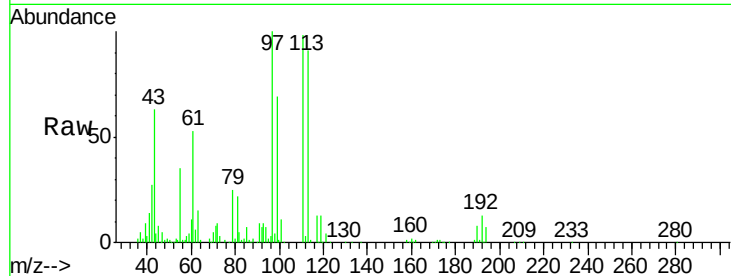
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	232200
Ion	Ratio	Lower	Upper
43	100		
61	84.2	71.6	107.4
70	8.6	6.9	10.3

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#38

Carbon Tetrachloride

Concen: 119.35 ug/l m

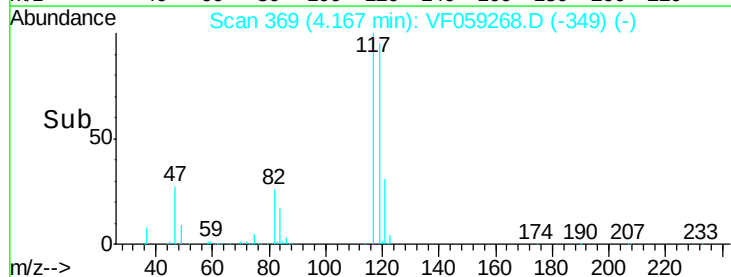
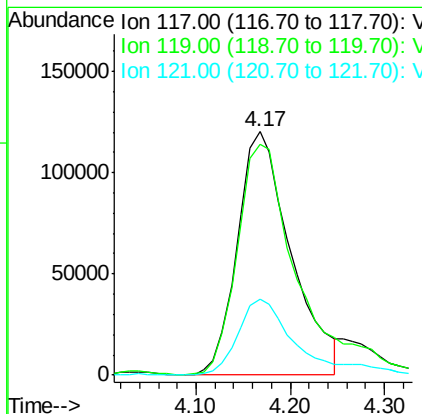
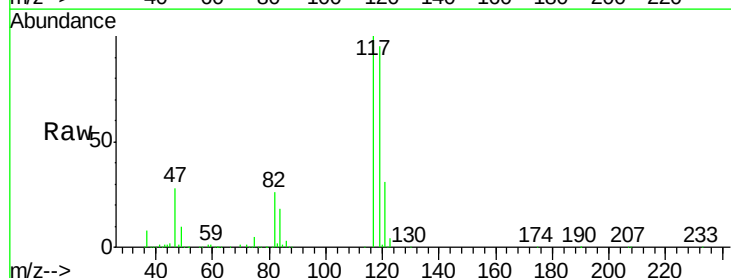
RT: 4.17 min Scan# 369

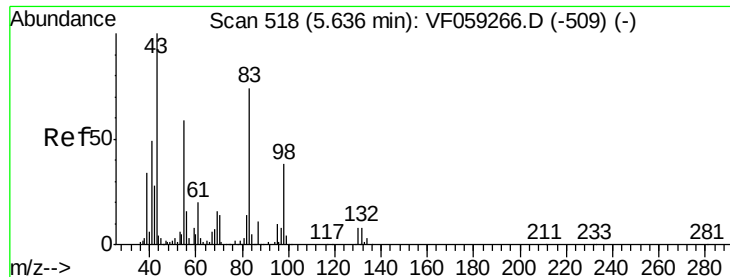
Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion:	117	Resp:	474737
Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.5	116.3
121	31.1	22.2	33.4





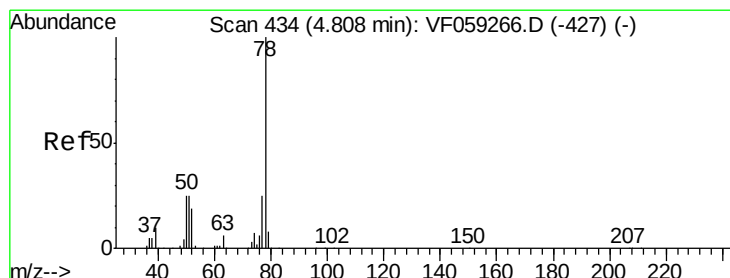
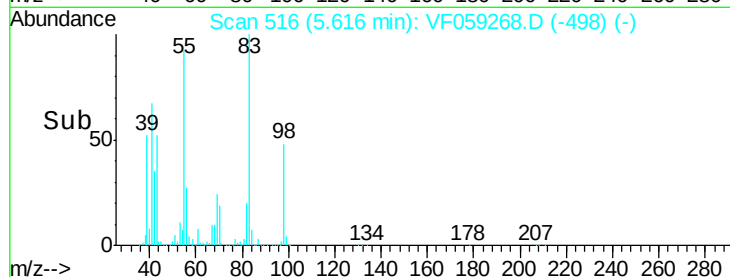
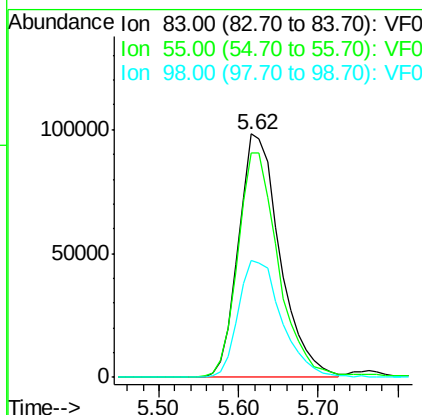
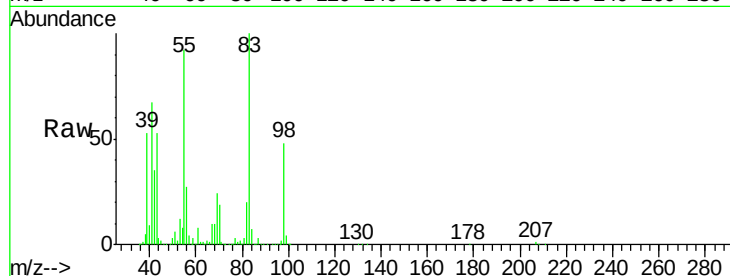
#39
Methylvlcyclohexane
Concen: 99.68 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.9	63.7	95.5
98	48.1	41.6	62.4

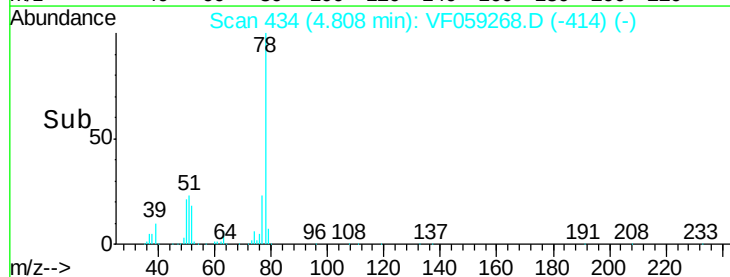
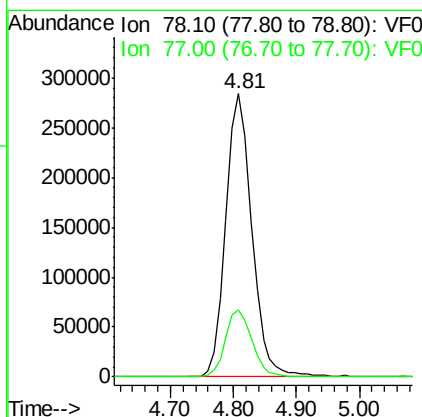
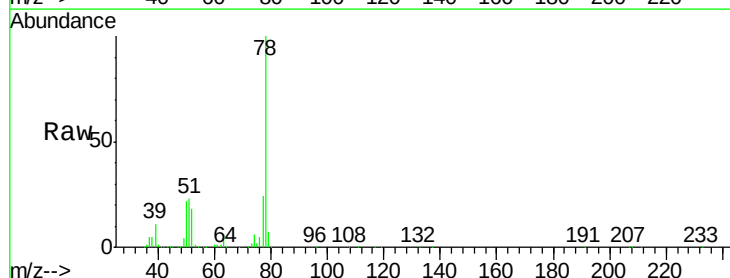
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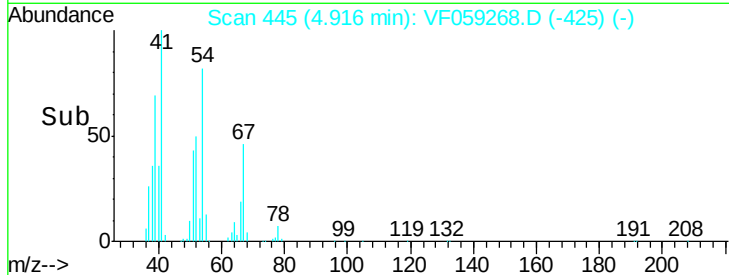
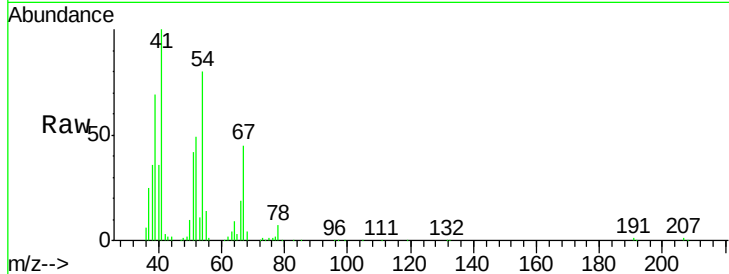
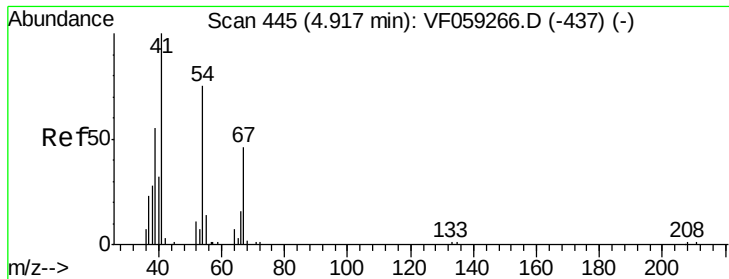
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#40
Benzene
Concen: 98.88 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	20.4	30.6





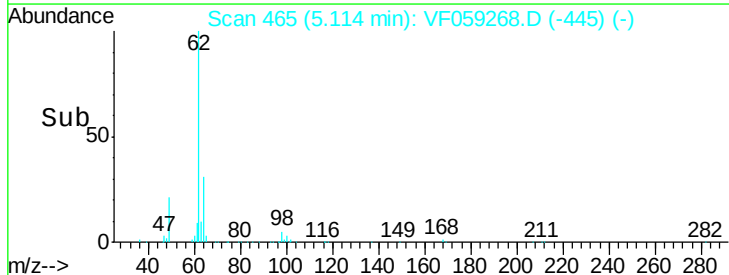
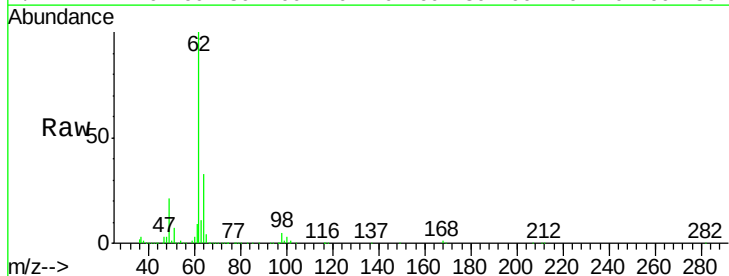
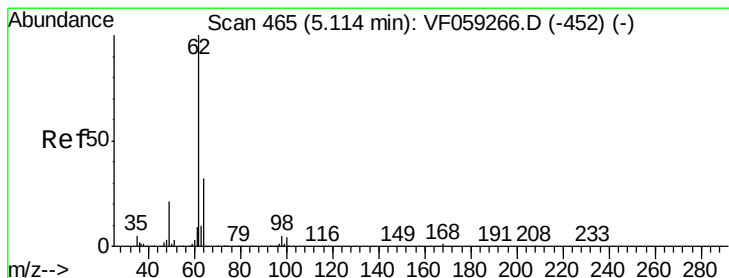
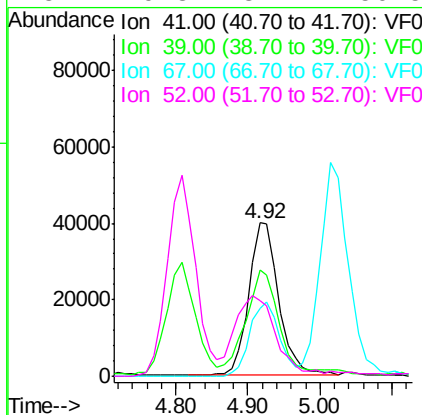
#41
Methacrylonitrile
Concen: 105.54 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		115974		
39	69.0	57.0	85.6		
67	44.7	36.8	55.2		
52	49.3	37.7	56.5		

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

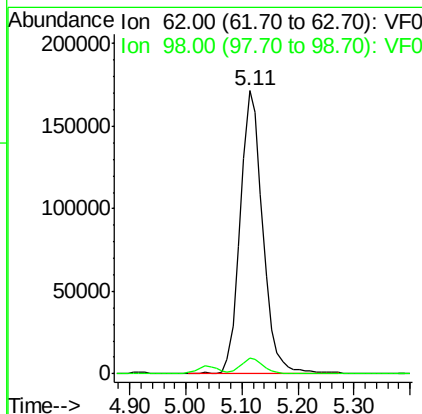
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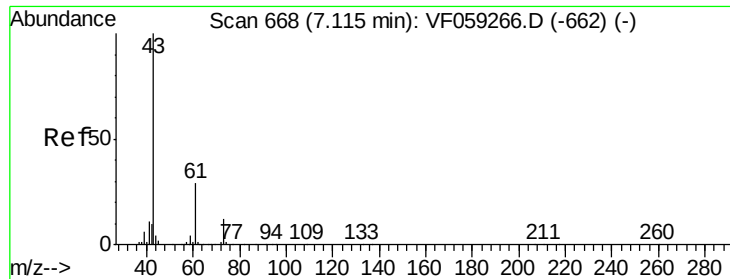
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#42
1,2-Dichloroethane
Concen: 123.45 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		480763		
98	5.4	0.0	10.4		





#43

Isopropyl Acetate

Concen: 105.64 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

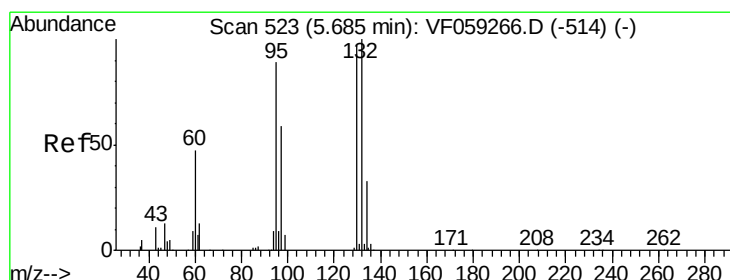
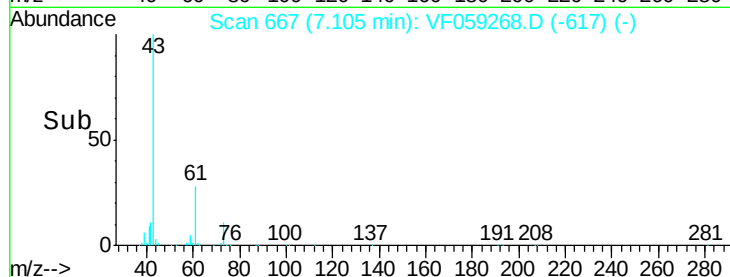
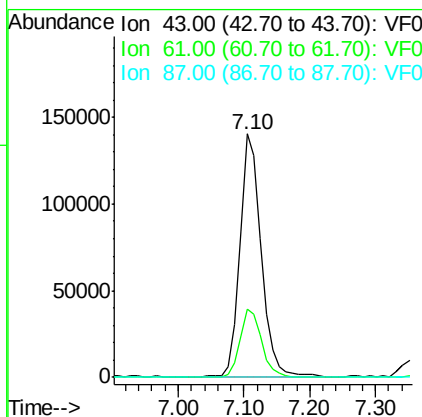
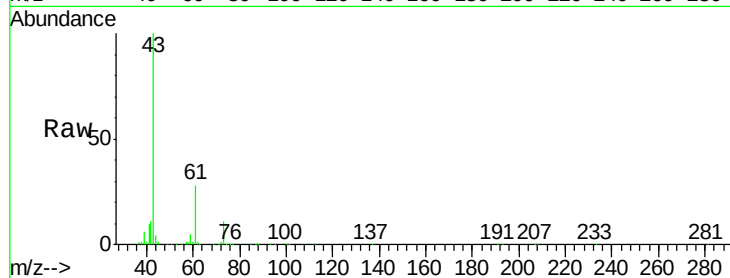
ClientSampleId :

VSTDICC100

Tot Ion:	43	Resp:	317671
Ion Ratio	Lower	Upper	
43	100		
61	27.9	22.8	34.2
87	0.4	0.3	0.5

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#44

Trichloroethene

Concen: 107.13 ug/l

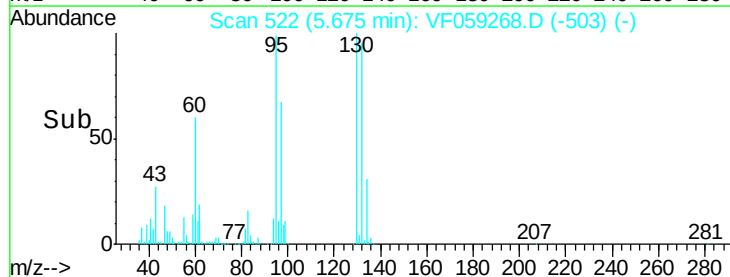
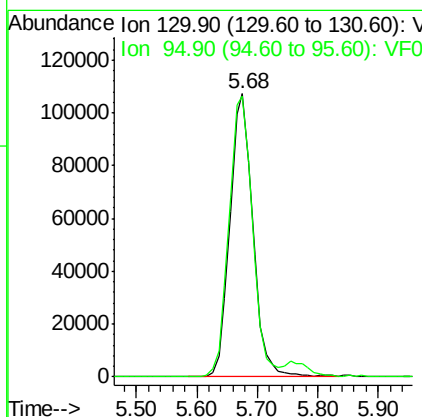
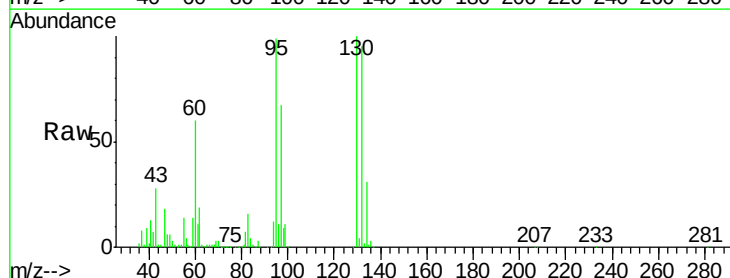
RT: 5.68 min Scan# 522

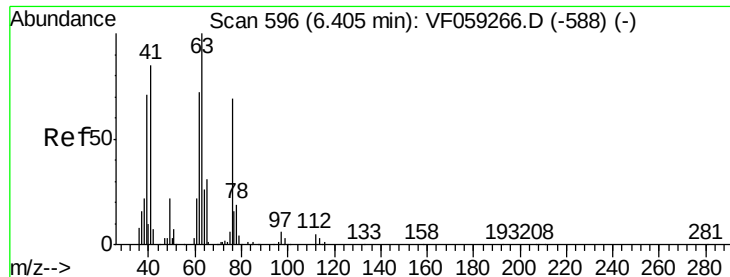
Delta R.T. -0.01 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion:	130	Resp:	283241
Ion Ratio	Lower	Upper	
130	100		
95	99.4	0.0	183.6





#45

1,2-Dichloropropane

Concen: 101.14 ug/l

RT: 6.40 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 241223

Ion Ratio Lower Upper

63 100

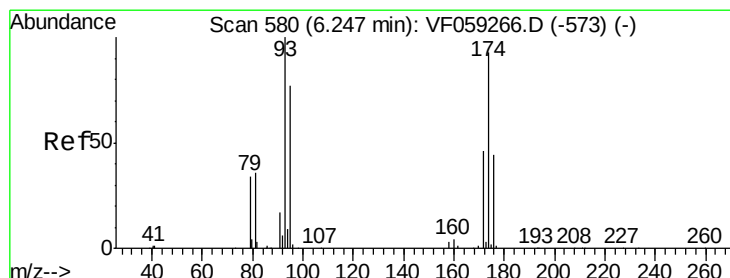
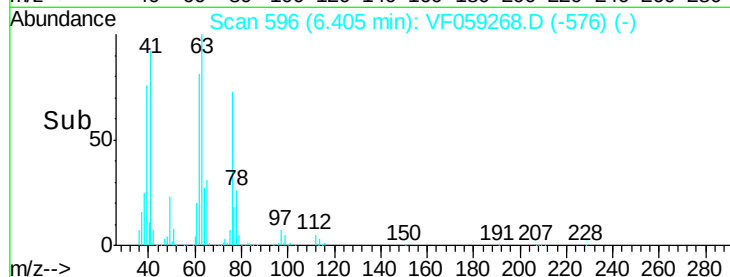
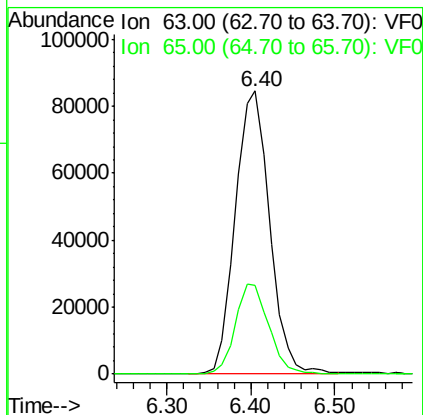
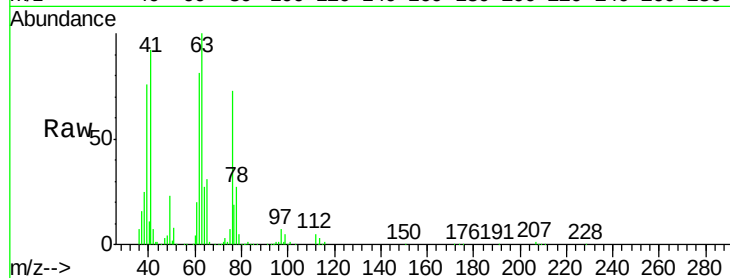
65 31.5 25.3 37.9

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#46

Dibromomethane

Concen: 114.43 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

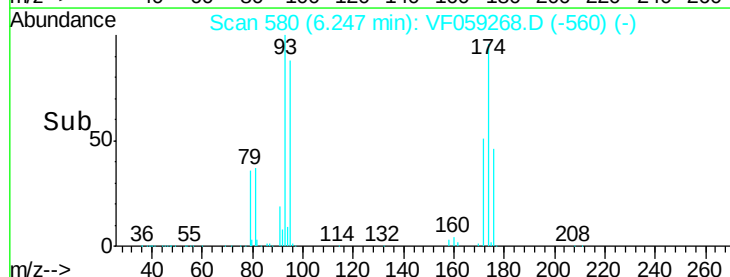
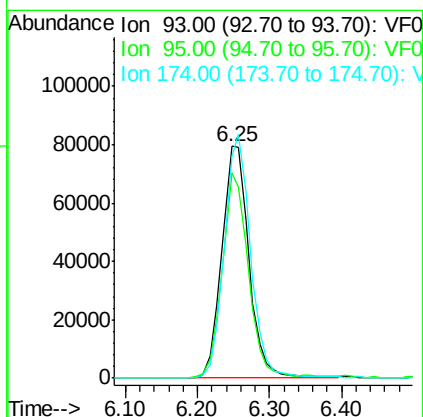
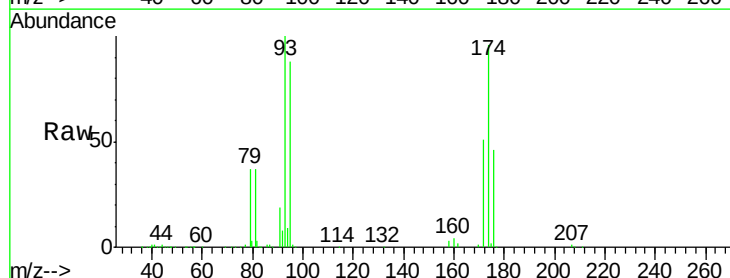
Tgt Ion: 93 Resp: 208078

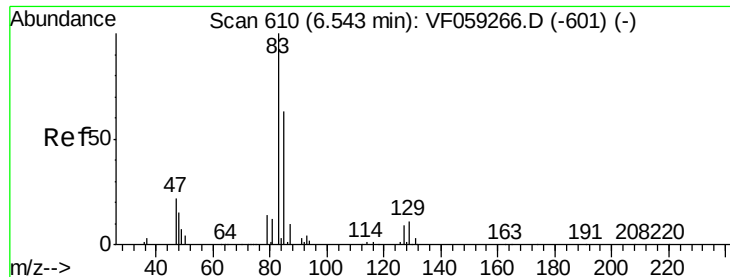
Ion Ratio Lower Upper

93 100

95 88.4 61.8 92.6

174 95.8 74.4 111.6





#47

Bromodichloromethane

Concen: 119.44 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

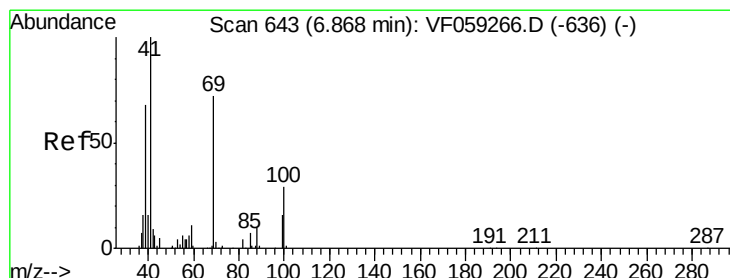
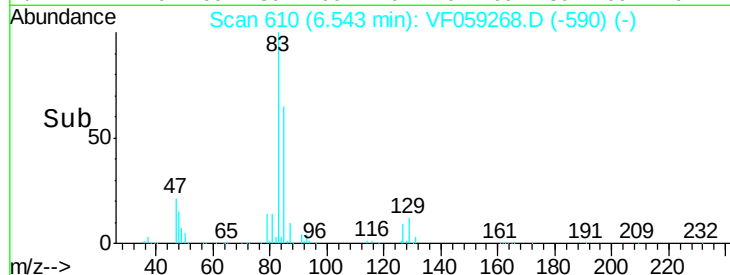
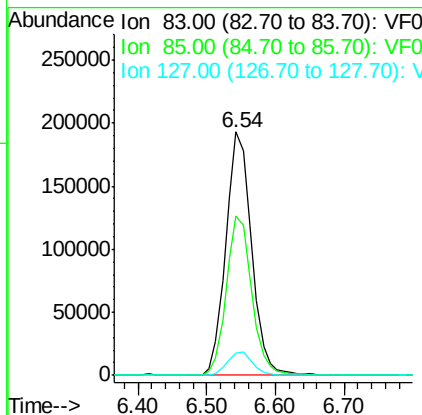
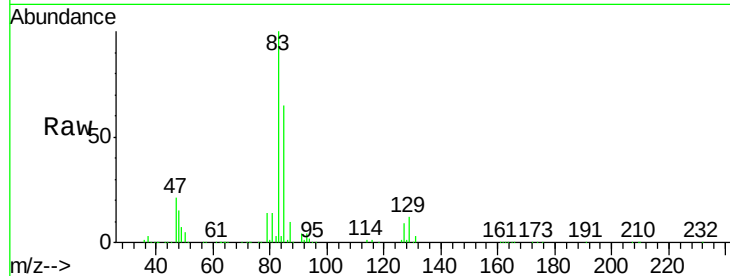
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	501291
Ion Ratio	Lower	Upper	
83	100		
85	65.2	50.3	75.5
127	9.2	7.0	10.4

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#48

Methyl methacrylate

Concen: 116.77 ug/l

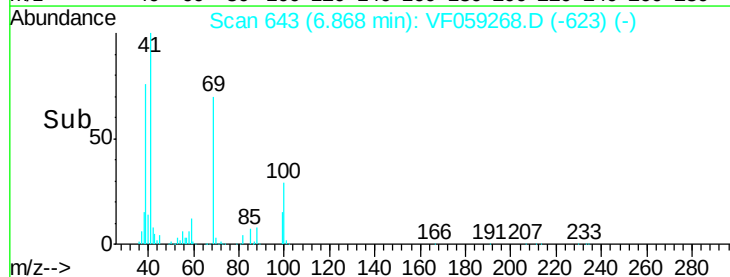
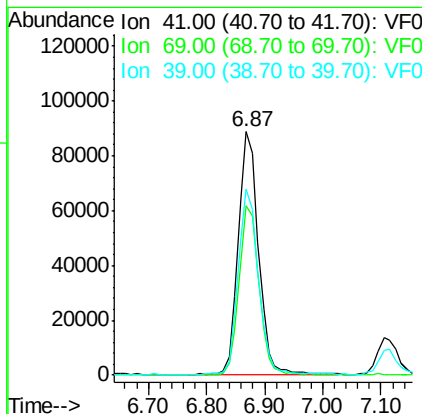
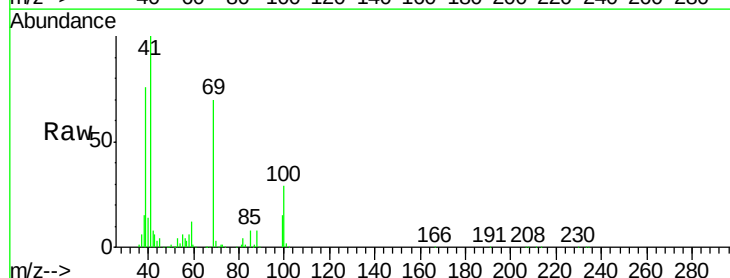
RT: 6.87 min Scan# 643

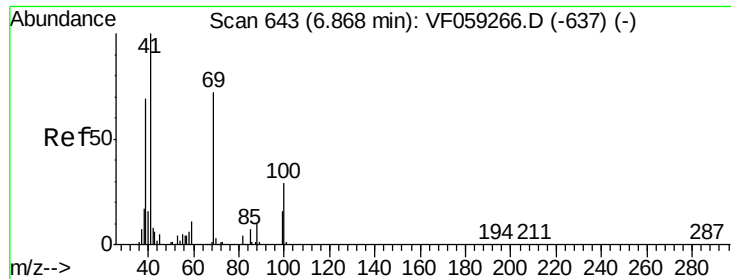
Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion:	41	Resp:	215057
Ion Ratio	Lower	Upper	
41	100		
69	69.8	57.4	86.2
39	76.2	54.8	82.2





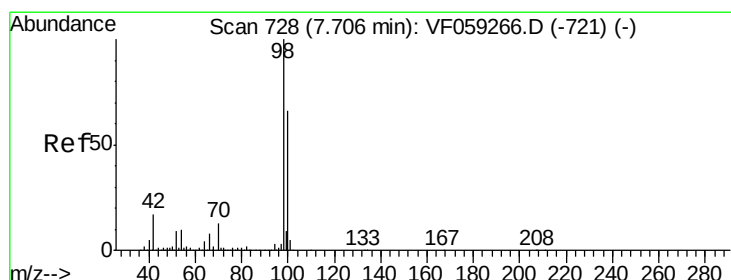
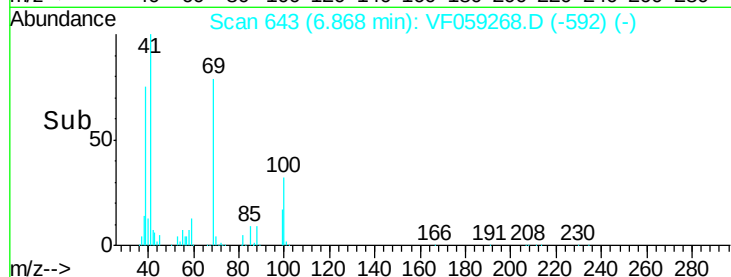
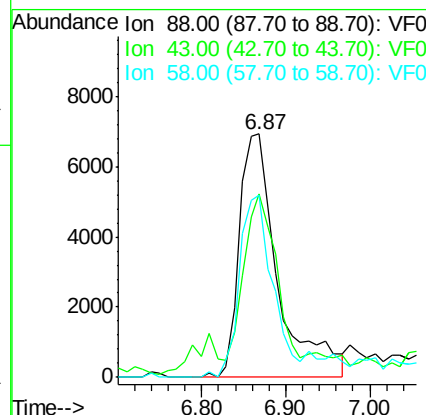
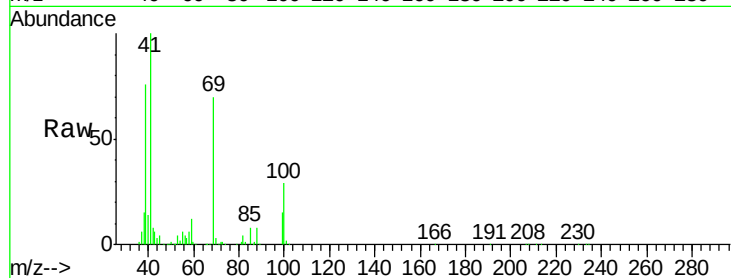
#49
1,4-Dioxane
Concen: 1830.36 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	75.3	55.5	83.3
58	74.7	50.1	75.1

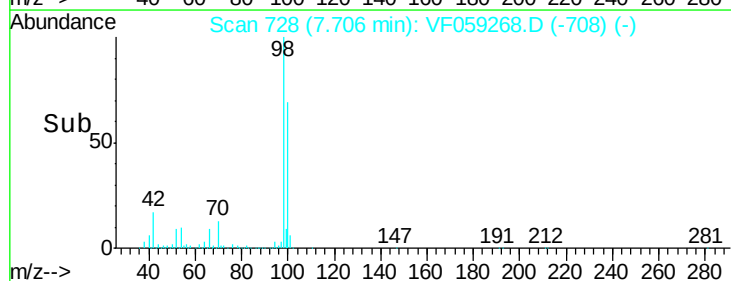
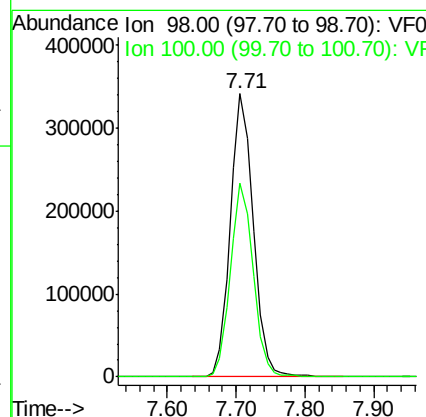
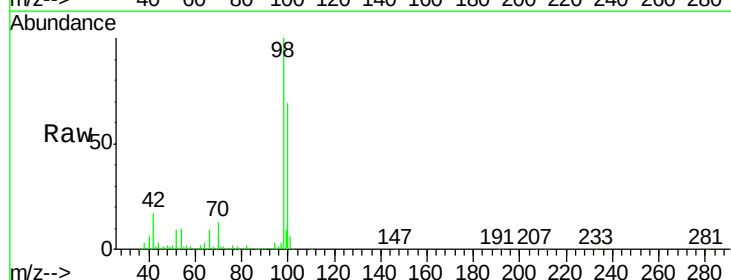
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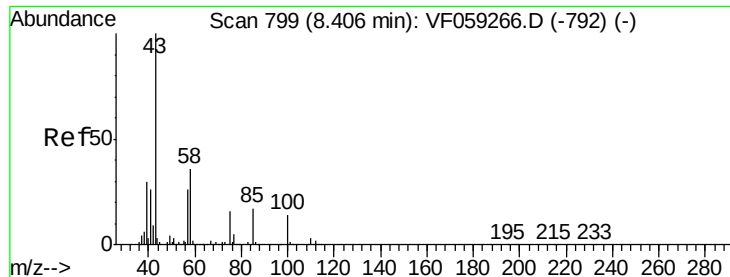
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#50
Toluene-d8
Concen: 105.79 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.7	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 512.51 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1058184

Ion Ratio Lower Upper

43 100

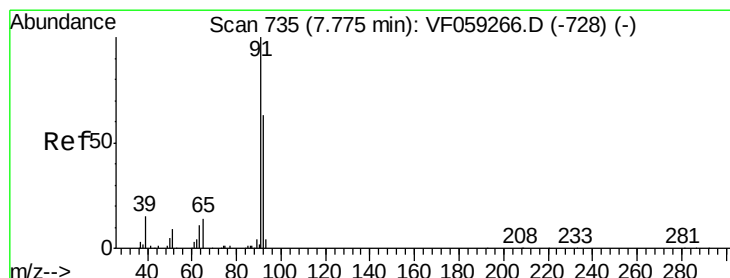
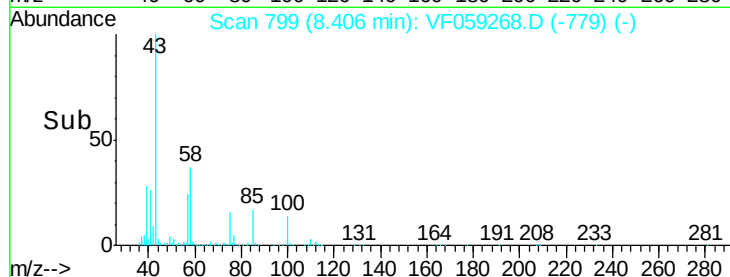
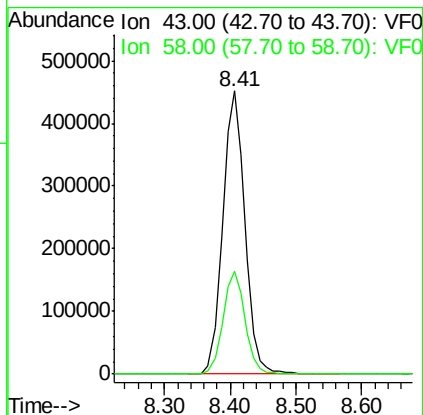
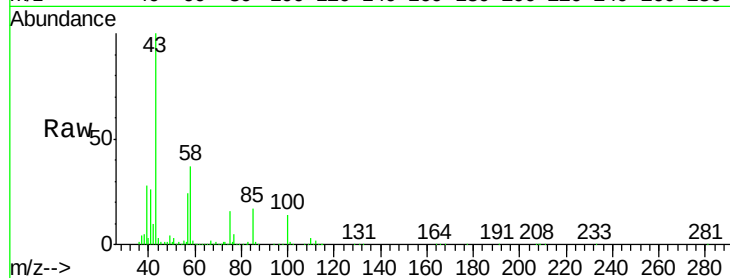
58 36.6 29.0 43.6

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#52

Toluene

Concen: 103.23 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059268.D

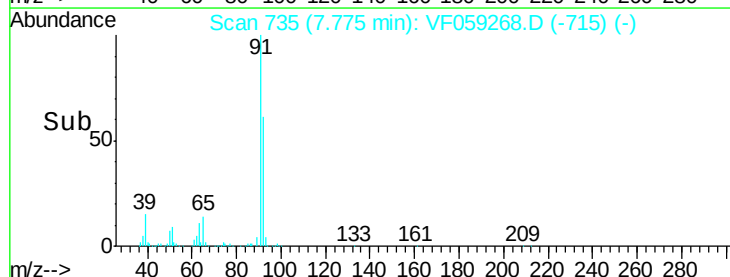
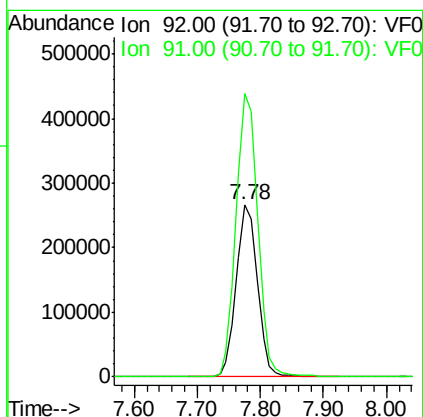
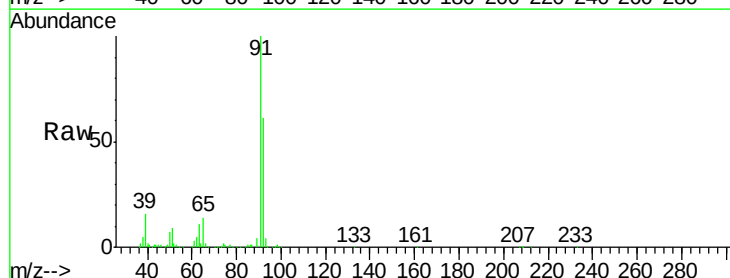
Acq: 21 Jun 2018 18:08

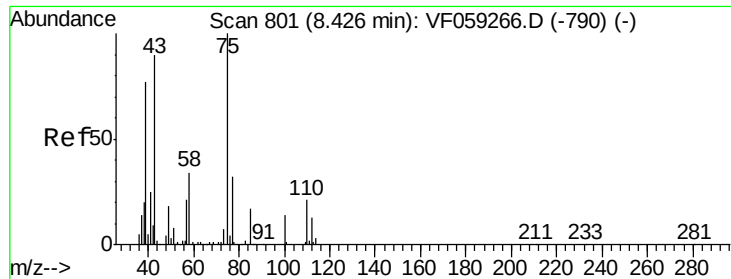
Tgt Ion: 92 Resp: 618123

Ion Ratio Lower Upper

92 100

91 164.3 127.8 191.6





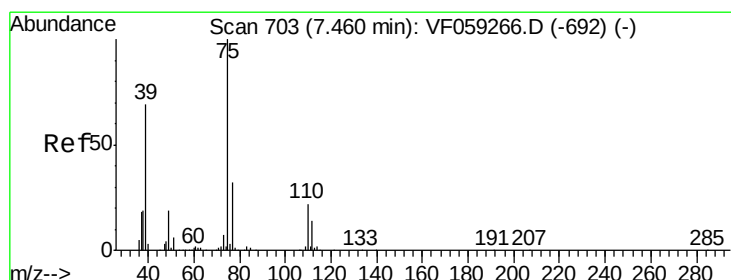
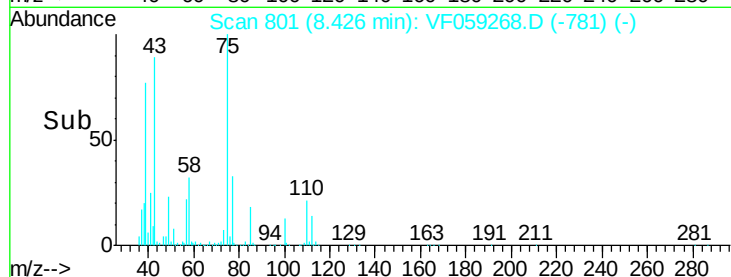
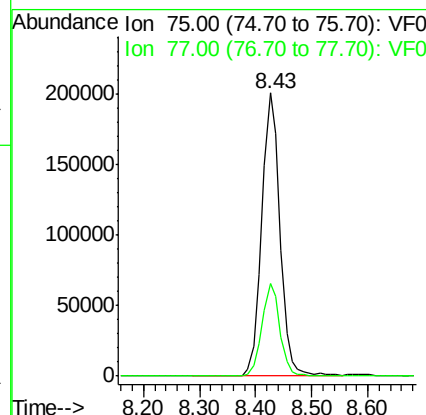
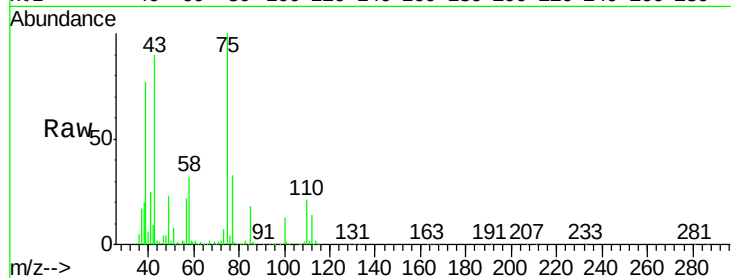
#53
t-1,3-Dichloropropene
Concen: 111.41 ug/l
RT: 8.43 min Scan# 801
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 456263
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1

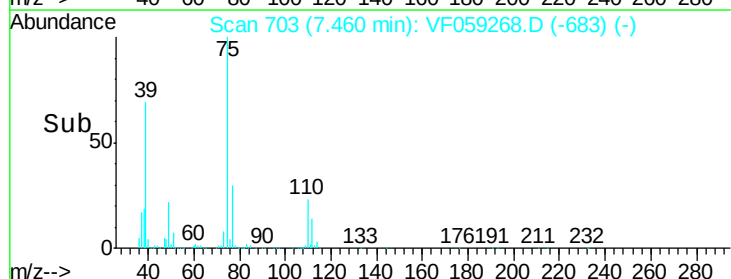
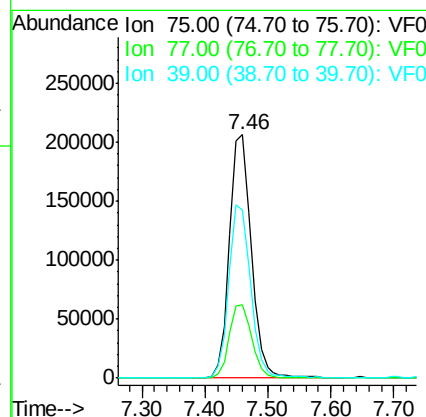
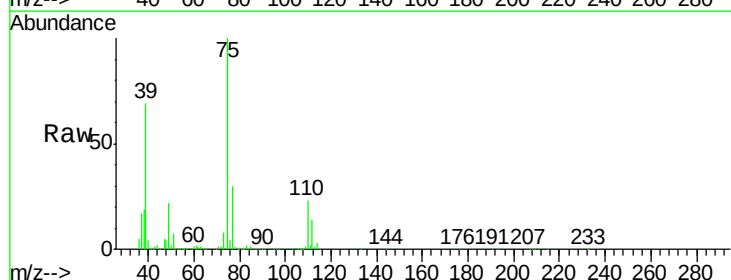
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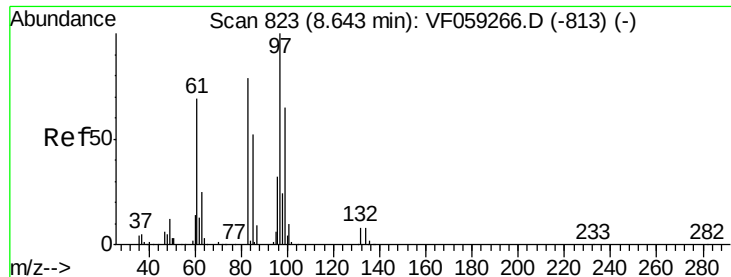
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#54
cis-1,3-Dichloropropene
Concen: 108.46 ug/l
RT: 7.46 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion: 75 Resp: 498756
Ion Ratio Lower Upper
75 100
77 30.0 26.0 39.0
39 69.0 55.5 83.3





#55

1,1,2-Trichloroethane

Concen: 112.63 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

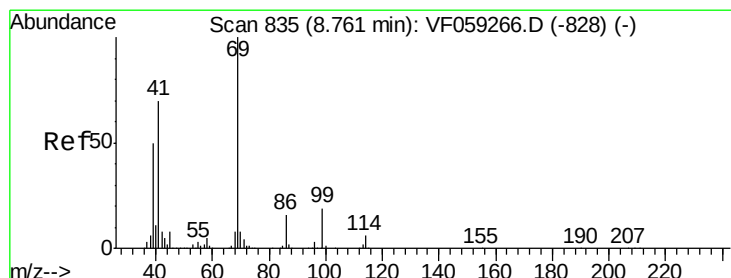
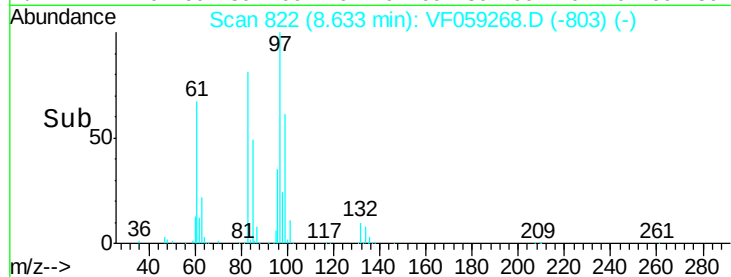
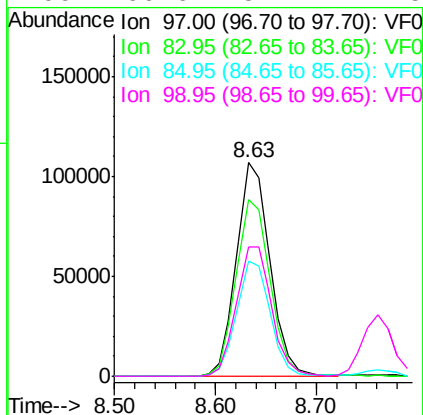
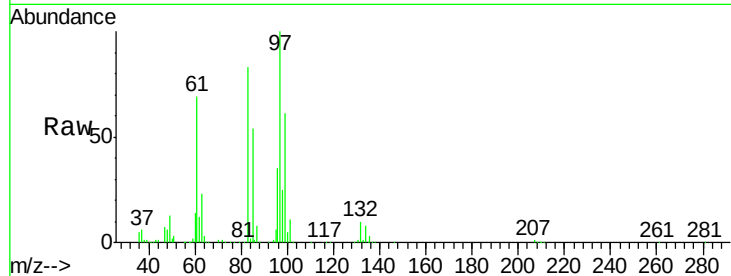
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	248429
Ion	Ratio	Lower	Upper
97	100		
83	82.8	63.2	94.8
85	53.9	41.8	62.6
99	60.6	51.7	77.5

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#56

Ethyl methacrylate

Concen: 106.50 ug/l

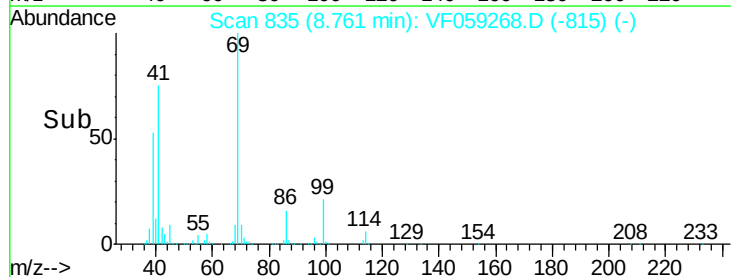
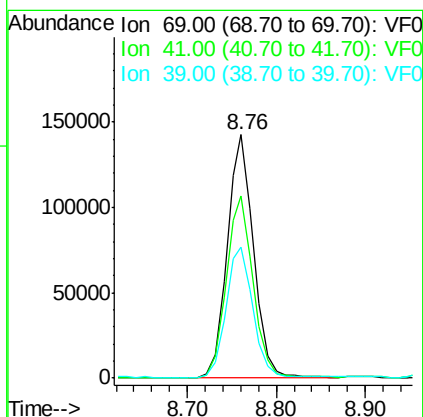
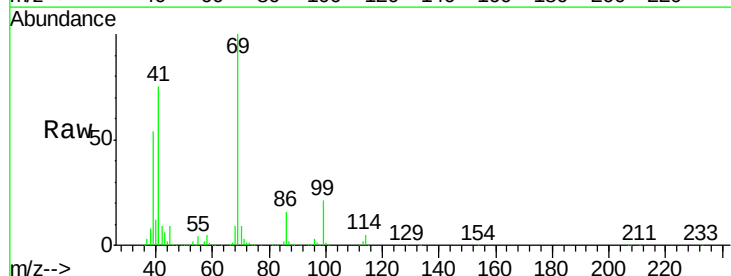
RT: 8.76 min Scan# 835

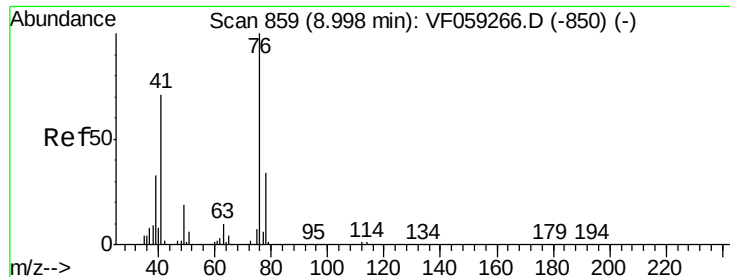
Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion:	69	Resp:	296000
Ion	Ratio	Lower	Upper
69	100		
41	75.0	56.6	85.0
39	53.6	40.5	60.7





#57

1,3-Dichloropropane

Concen: 109.12 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 408653

Ion Ratio Lower Upper

76 100

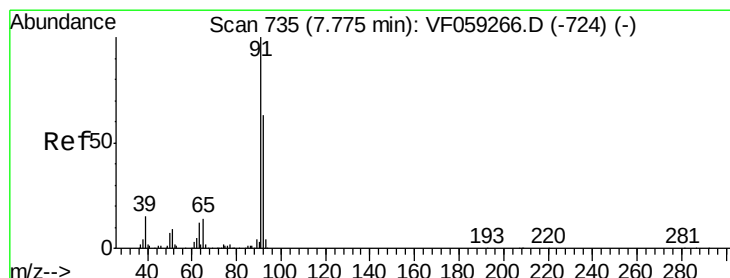
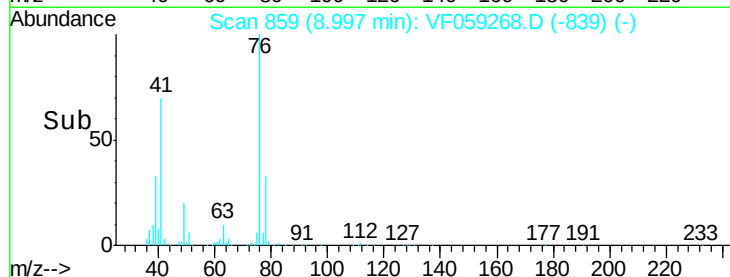
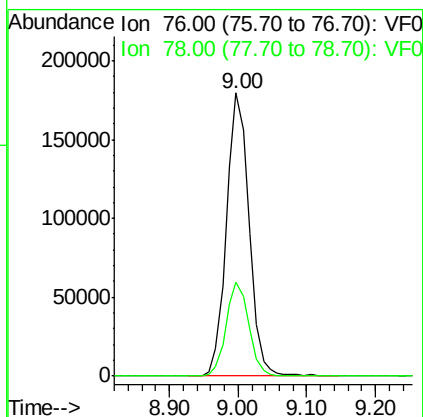
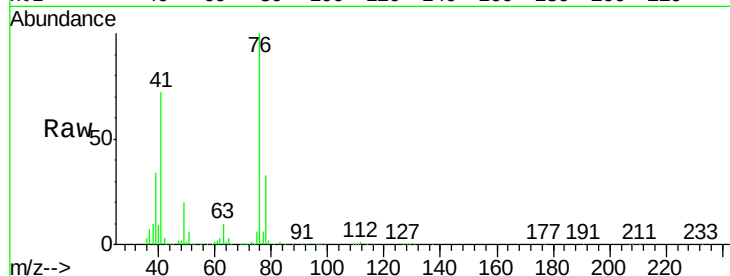
78 33.1 27.5 41.3

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#58

2-Chloroethyl Vinyl ether

Concen: 566.33 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059268.D

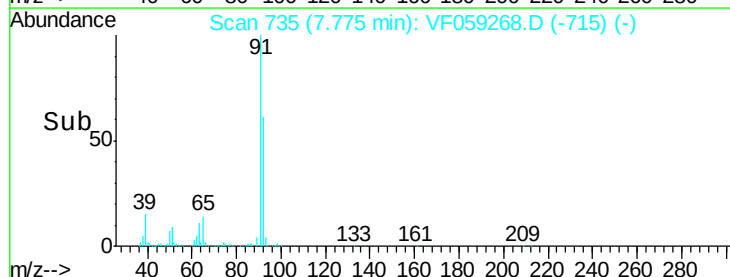
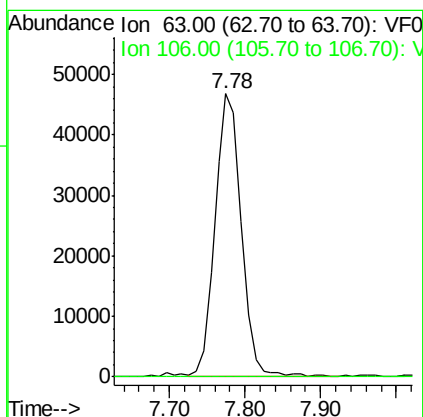
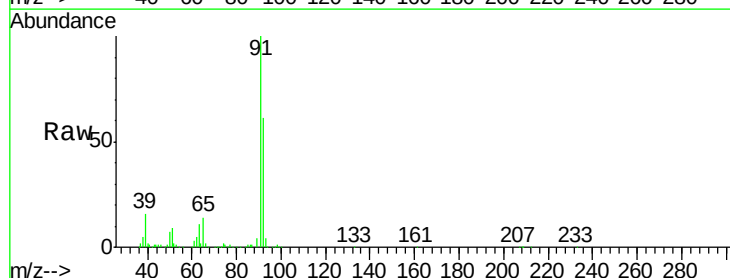
Acq: 21 Jun 2018 18:08

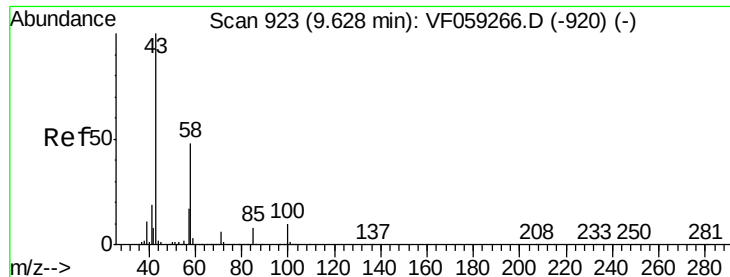
Tgt Ion: 63 Resp: 113612

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





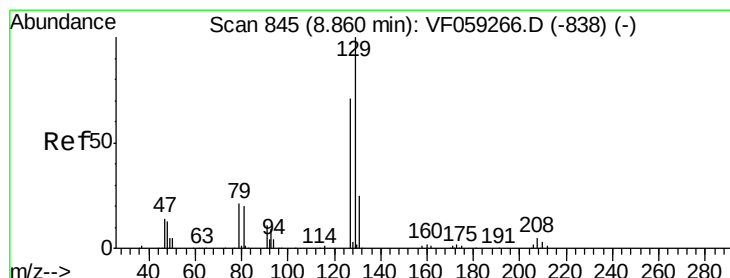
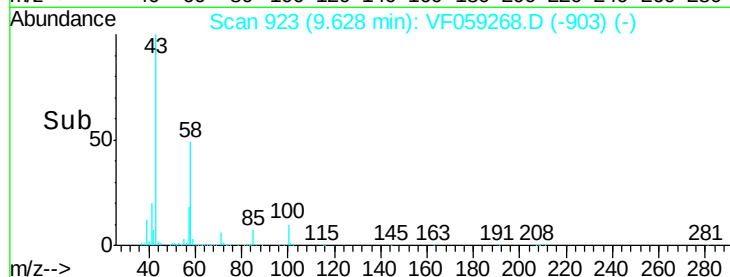
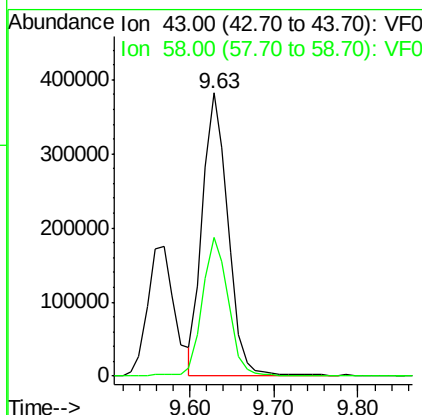
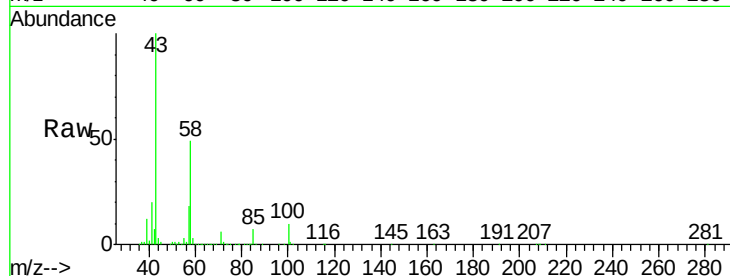
#59
2-Hexanone
Concen: 491.42 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 802988
Ion Ratio Lower Upper
43 100
58 49.2 23.3 69.9

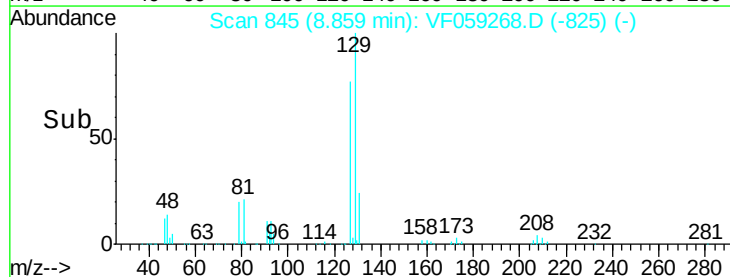
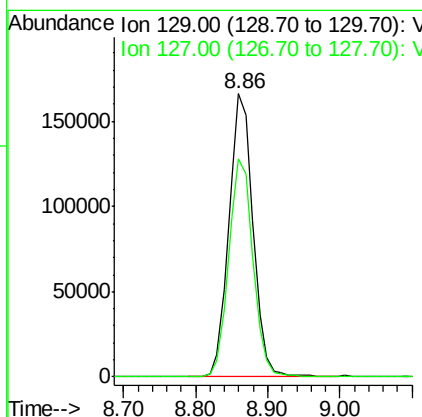
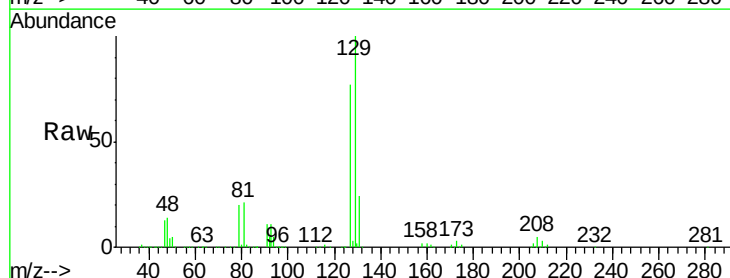
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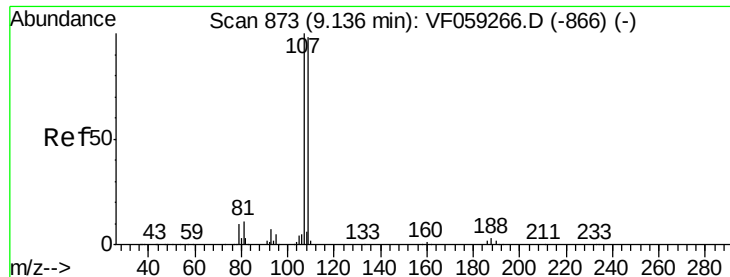
apatel
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#60
Dibromochloromethane
Concen: 120.73 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion: 129 Resp: 386860
Ion Ratio Lower Upper
129 100
127 76.9 35.4 106.2





#61

1,2-Dibromoethane

Concen: 112.95 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 290028

Ion Ratio Lower Upper

107 100

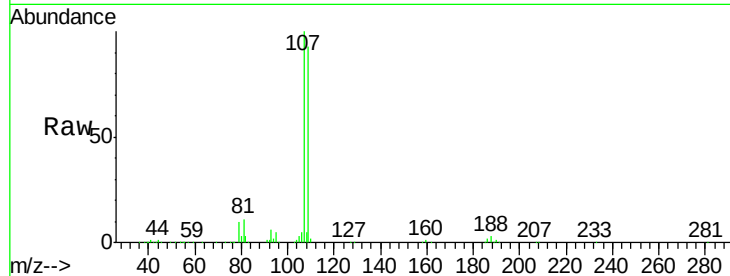
109 93.5 78.0 117.0

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

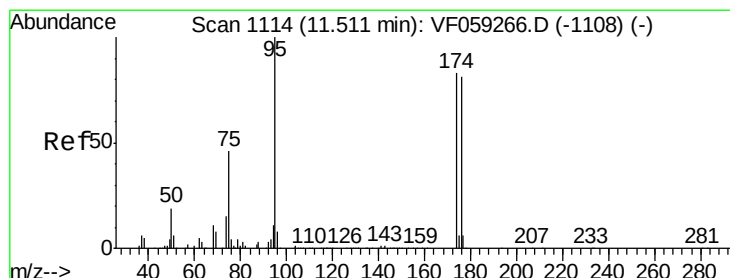
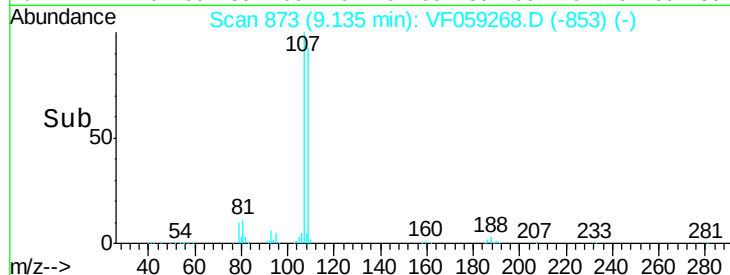
9.14

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 106.29 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

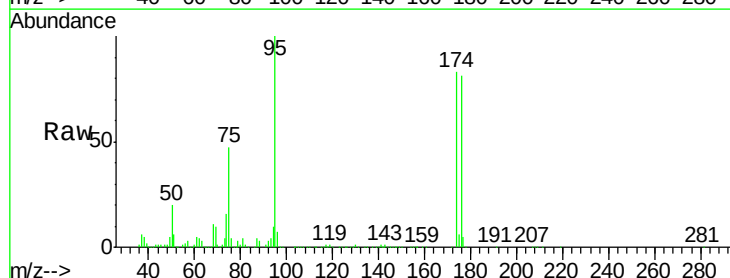
Tgt Ion: 95 Resp: 419984

Ion Ratio Lower Upper

95 100

174 83.0 0.0 166.2

176 80.6 0.0 162.8



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

300000

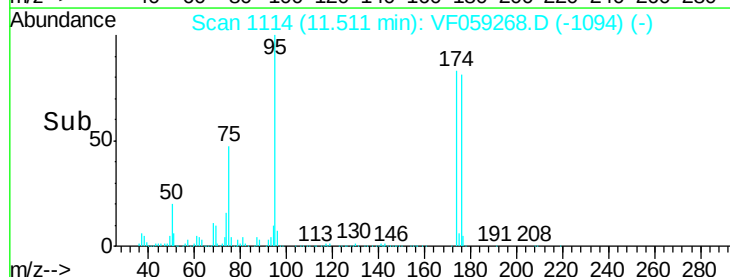
11.51

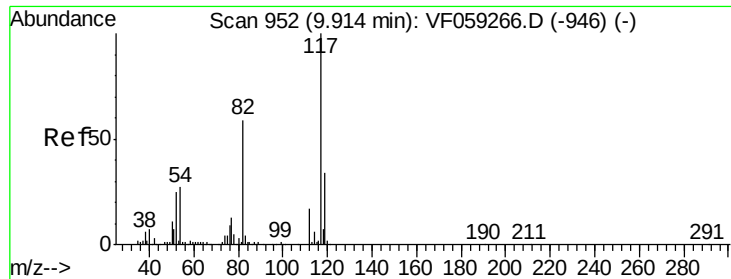
200000

100000

0

Time-->





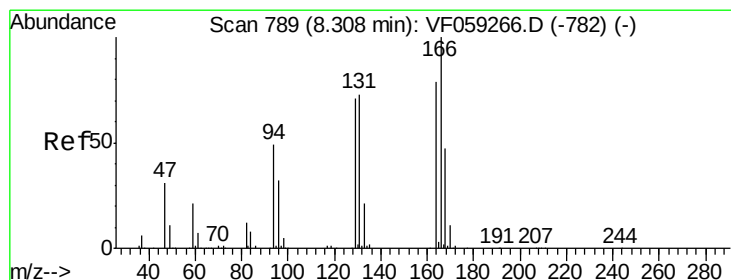
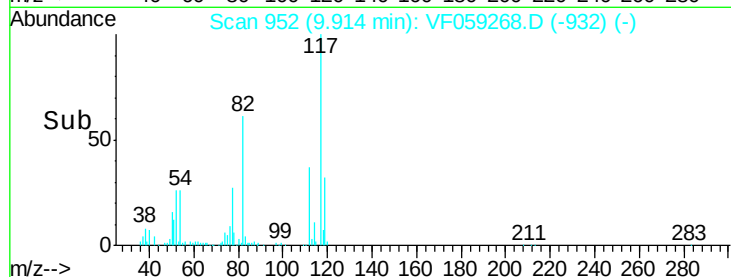
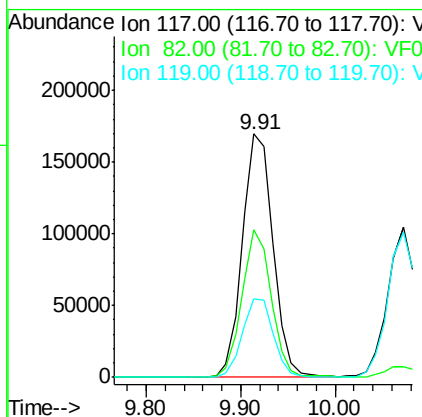
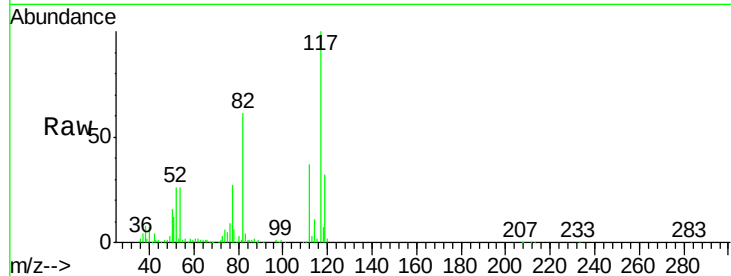
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	381387		
82	60.7		47.1	70.7
119	32.1		26.9	40.3

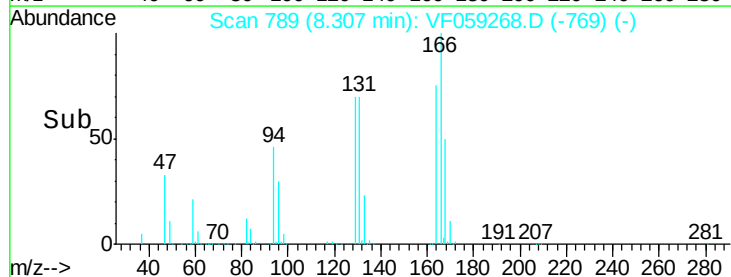
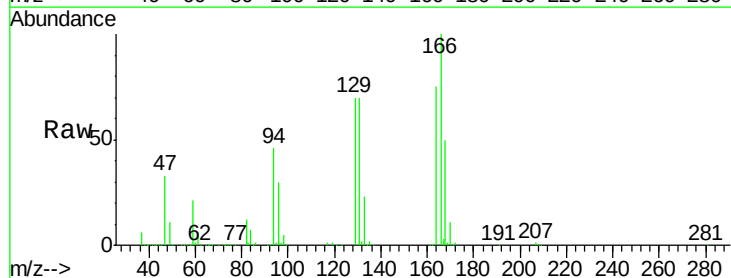
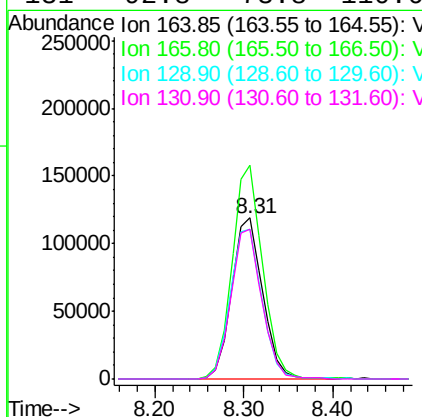
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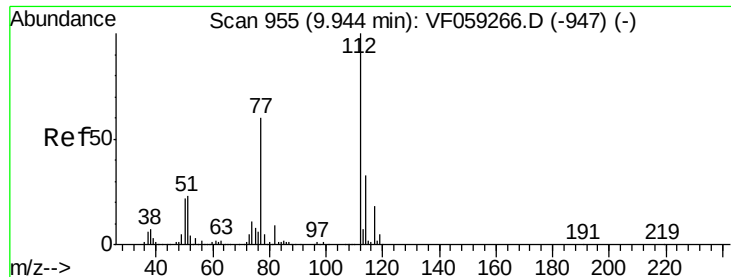
apatel
6/22/2018 11:34:42 AM



#64
Tetrachloroethene
Concen: 102.69 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	289307		
166	132.8		101.4	152.2
129	93.3		72.2	108.4
131	92.8		73.8	110.6





#65

Chlorobenzene

Concen: 106.60 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 815415

Ion Ratio Lower Upper

112 100

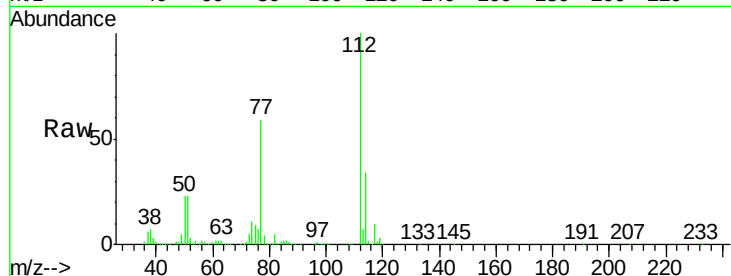
114 34.3 26.4 39.6

Manual Integrations

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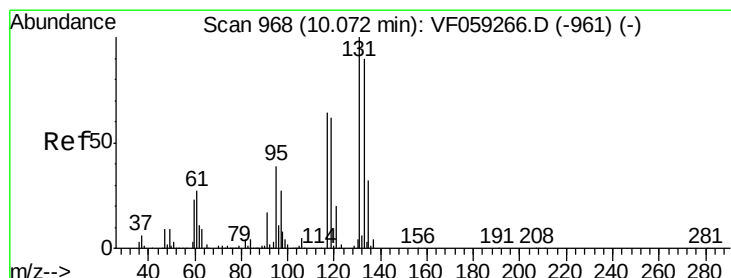
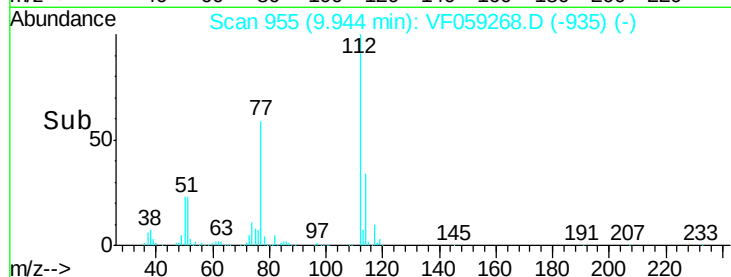
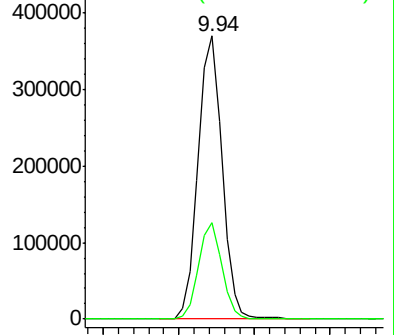
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 110.08 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

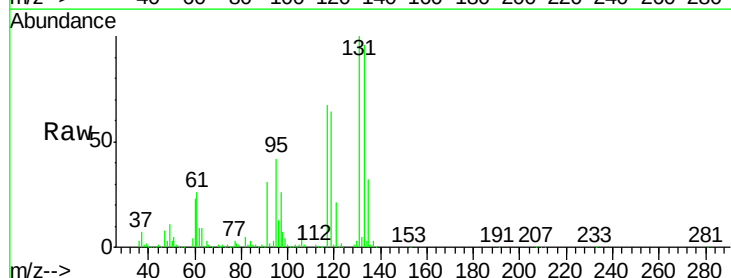
Tgt Ion:131 Resp: 336809

Ion Ratio Lower Upper

131 100

133 96.2 45.1 135.2

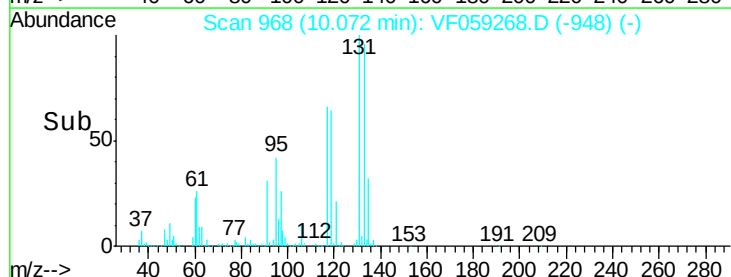
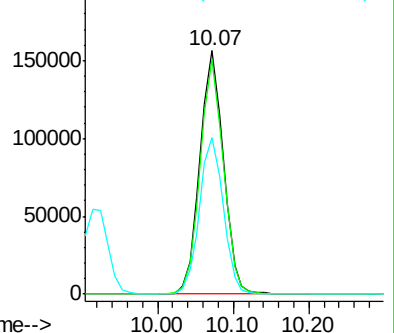
119 64.4 31.2 93.6

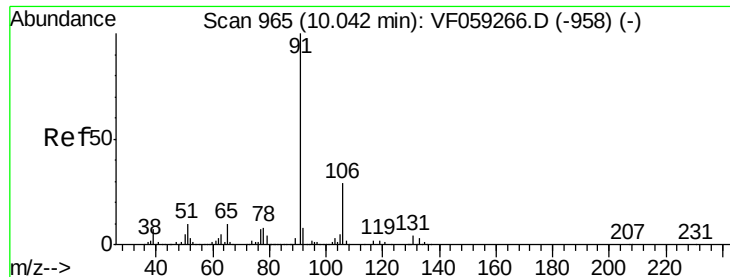


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 100.76 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1327579

Ion Ratio Lower Upper

91 100

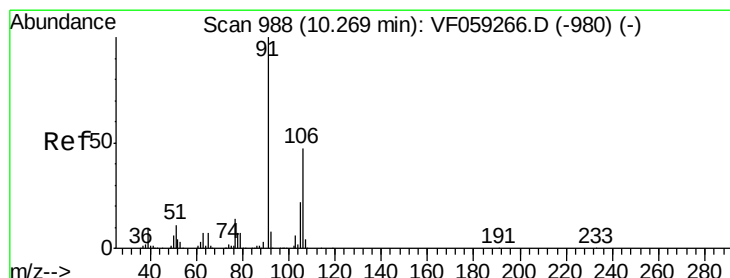
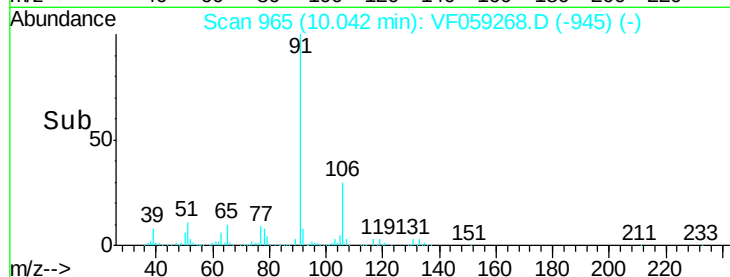
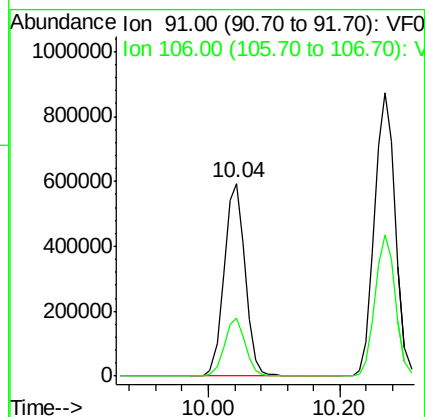
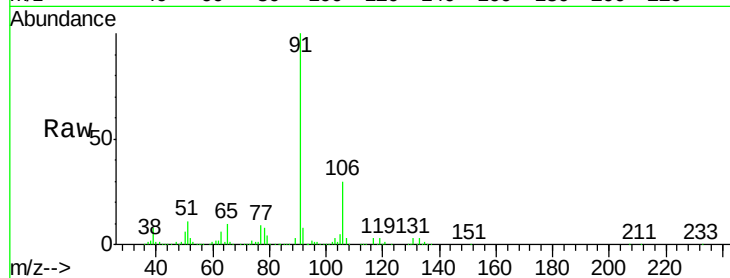
106 30.5 23.4 35.2

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#68

m/p-Xylenes

Concen: 188.61 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF059268.D

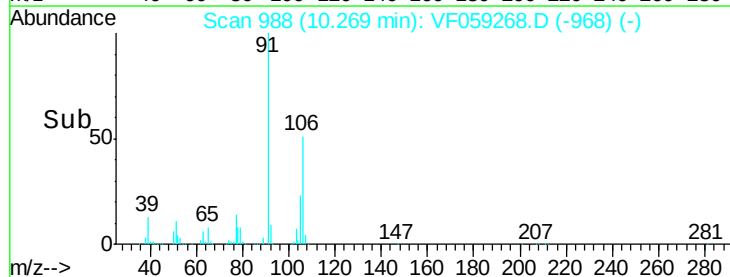
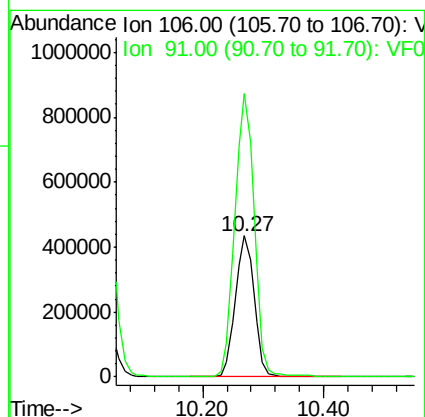
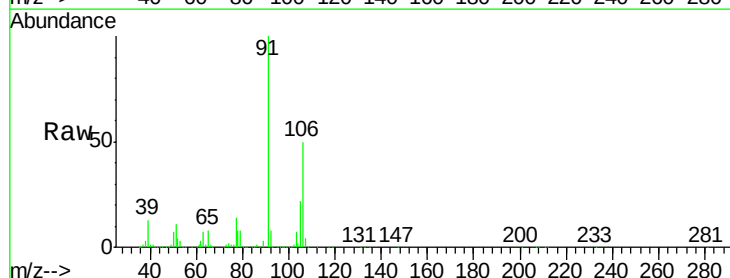
Acq: 21 Jun 2018 18:08

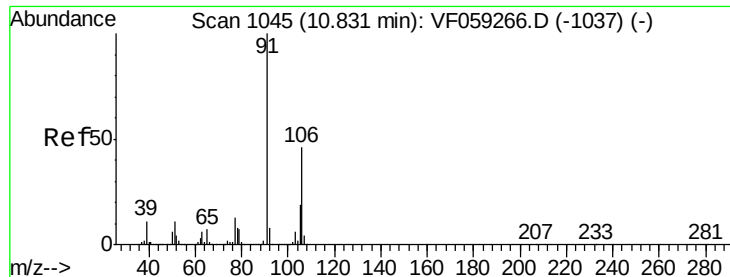
Tgt Ion: 106 Resp: 943359

Ion Ratio Lower Upper

106 100

91 201.1 168.8 253.2





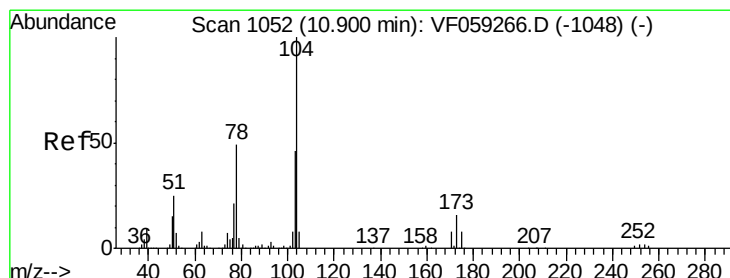
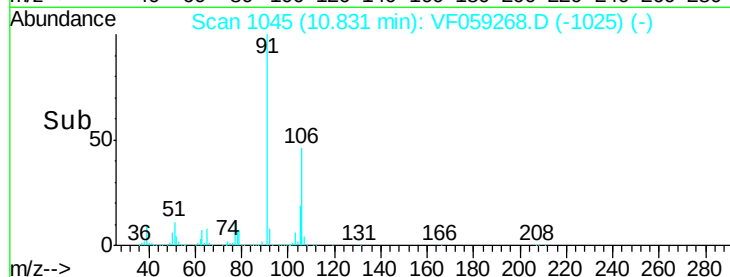
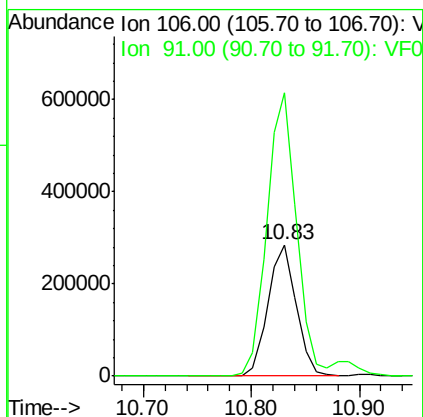
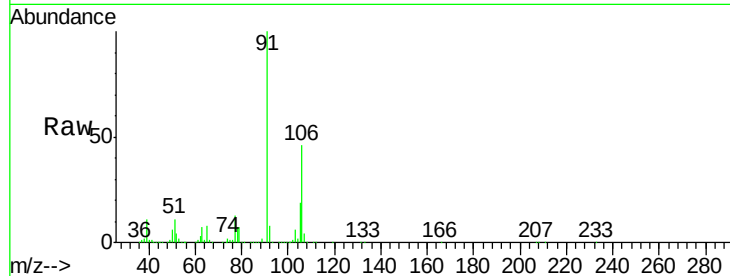
#69
o-Xylene
Concen: 97.81 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.3	109.1	327.4

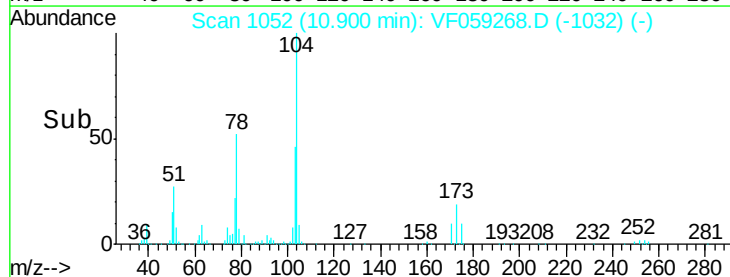
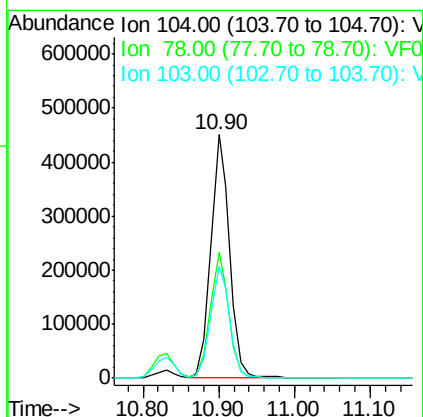
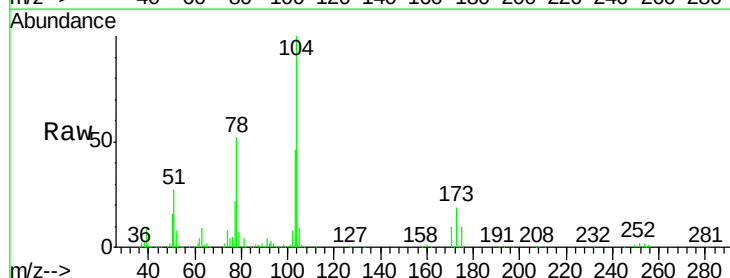
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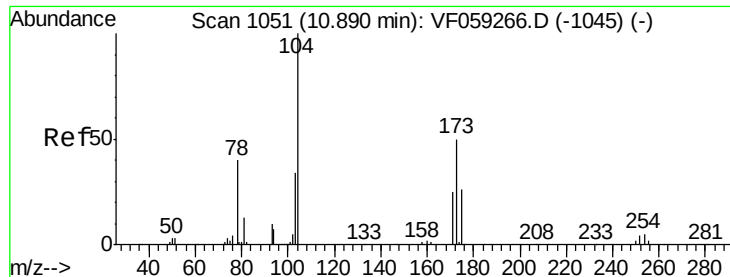
apatel
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#70
Styrene
Concen: 97.44 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.8	39.3	58.9
103	45.8	36.6	55.0





#71

Bromoform

Concen: 114.40 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 240958

Ion Ratio Lower Upper

173 100

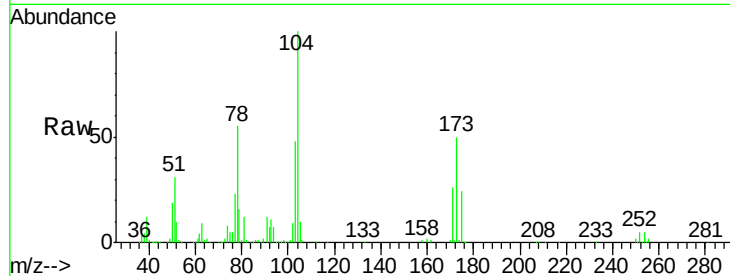
175 49.1 25.4 76.4

254 0.1 0.0 0.0#

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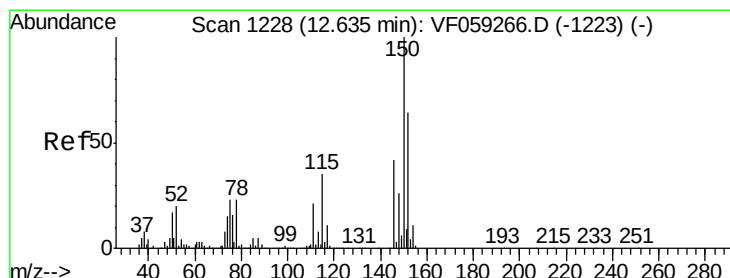
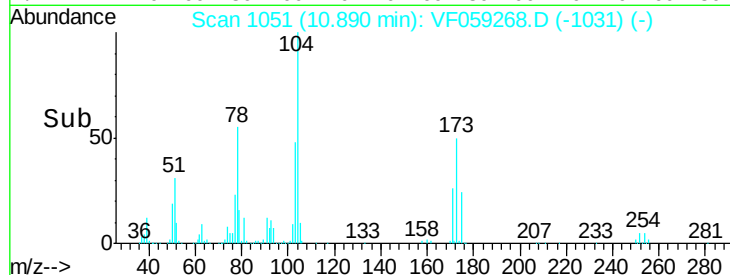
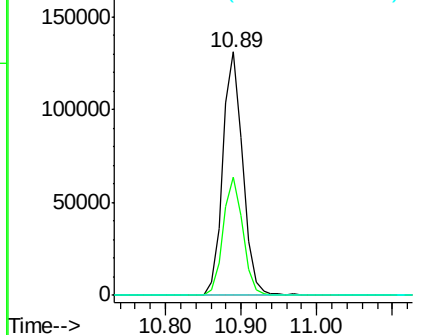
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Abundance Ion 173.00 (172.70 to 173.70): V

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: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

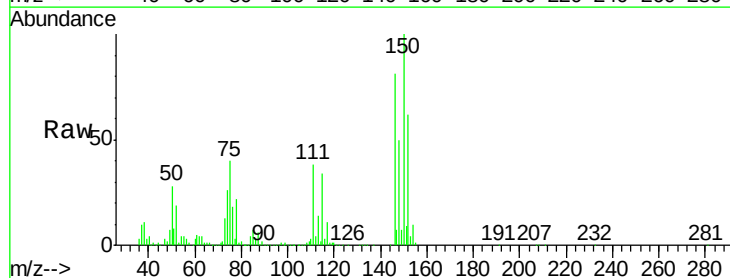
Tgt Ion:152 Resp: 229465

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.3

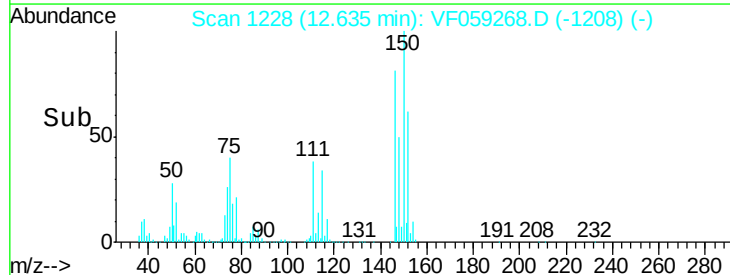
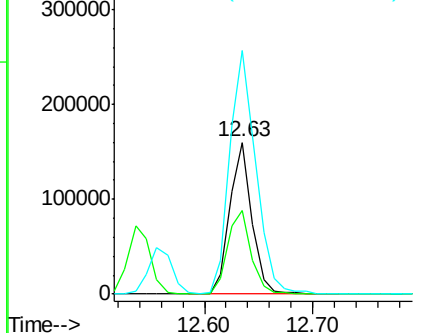
150 160.7 0.0 313.8

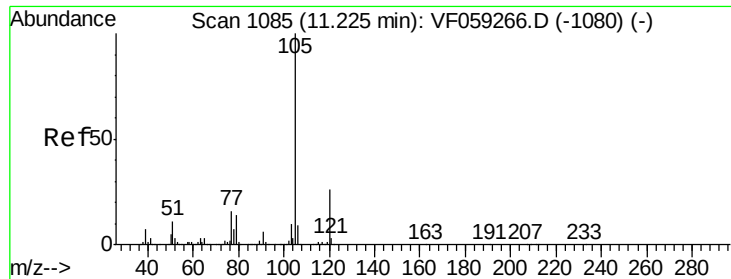


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 104.07 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1651986

Ion Ratio Lower Upper

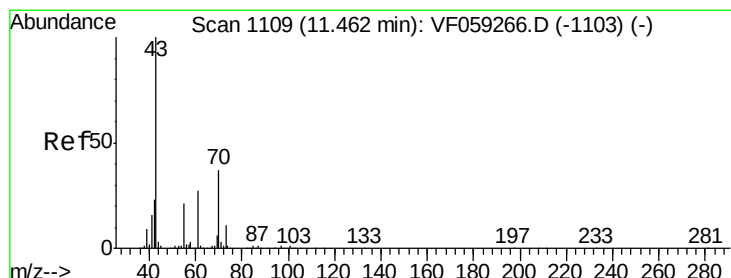
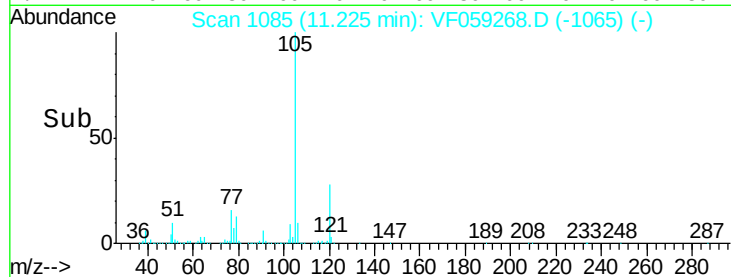
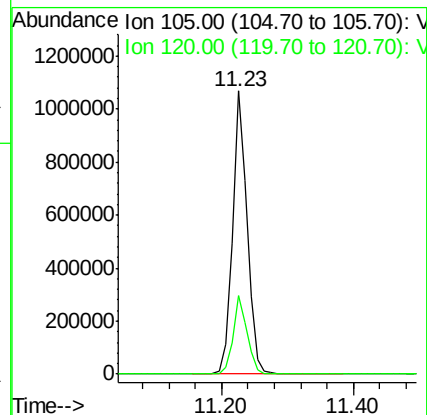
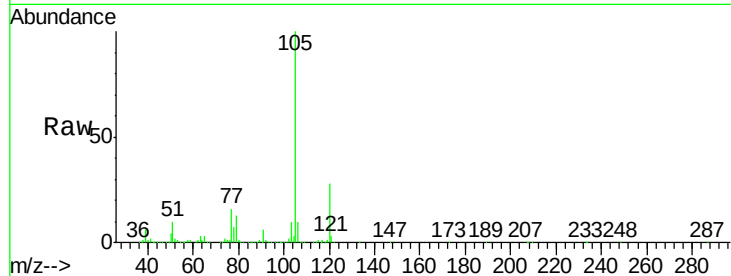
105 100

120 27.7 12.9 38.7

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#74

N-ethyl acetate

Concen: 95.11 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion: 43 Resp: 535332

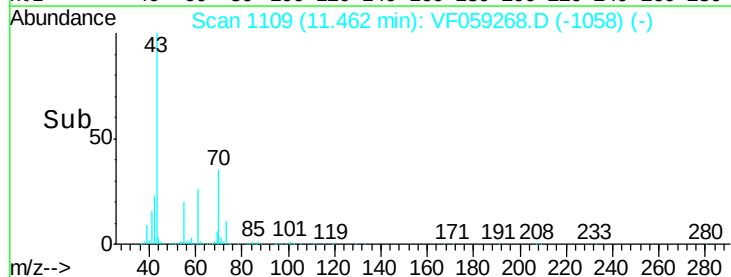
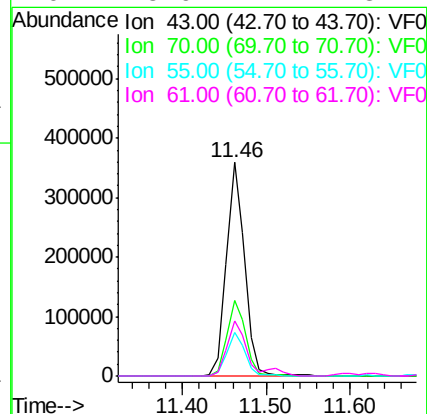
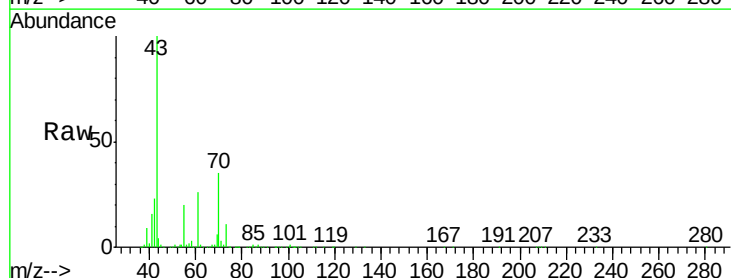
Ion Ratio Lower Upper

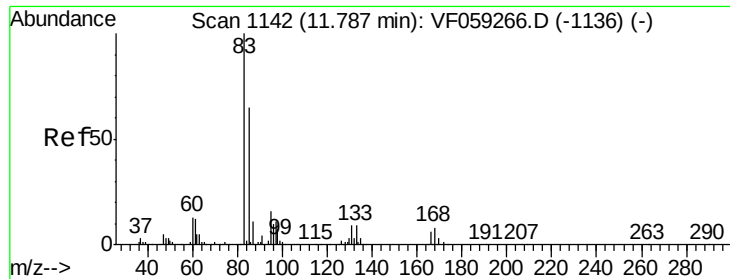
43 100

70 35.4 29.6 44.4

55 20.4 17.0 25.4

61 25.9 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 95.43 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

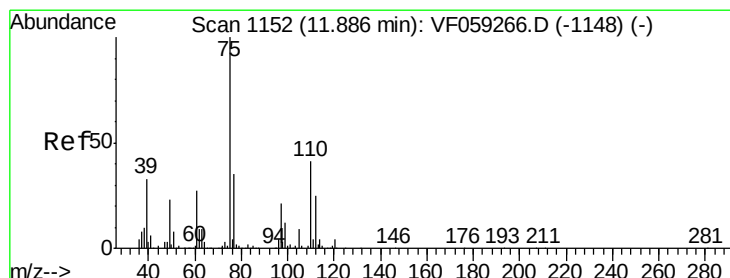
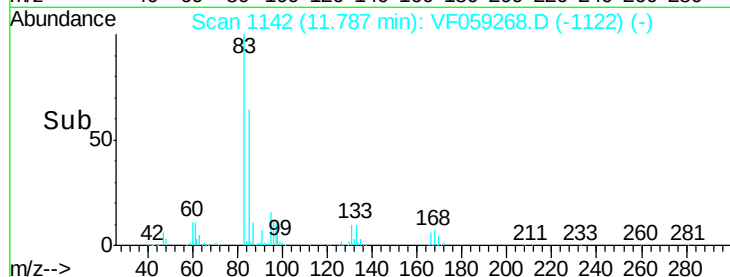
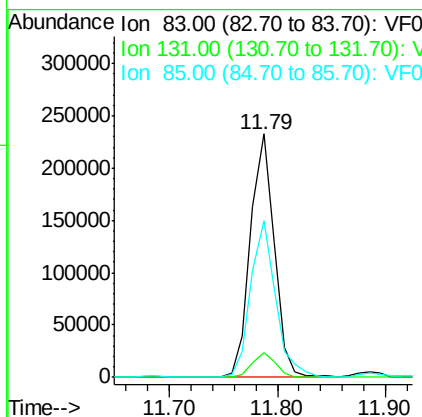
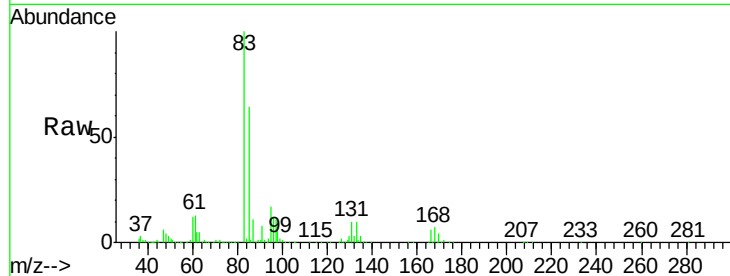
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	359192
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.8	14.3
85	64.1	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 94.10 ug/l

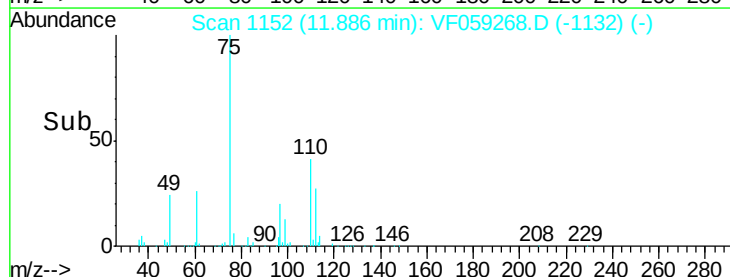
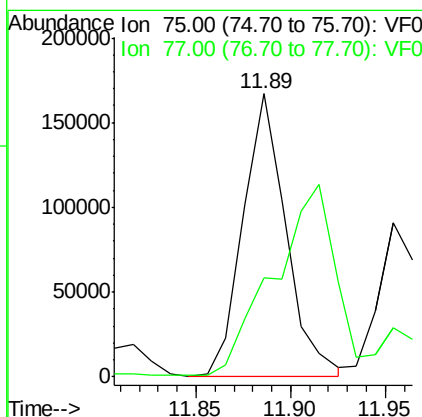
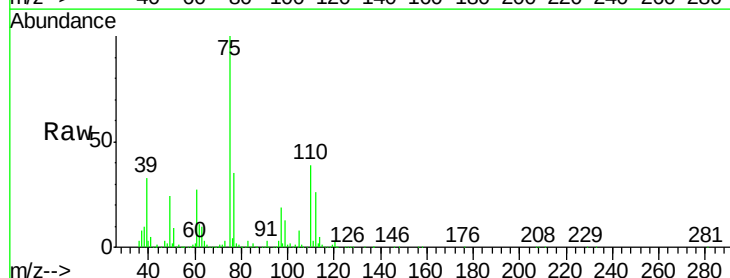
RT: 11.89 min Scan# 1152

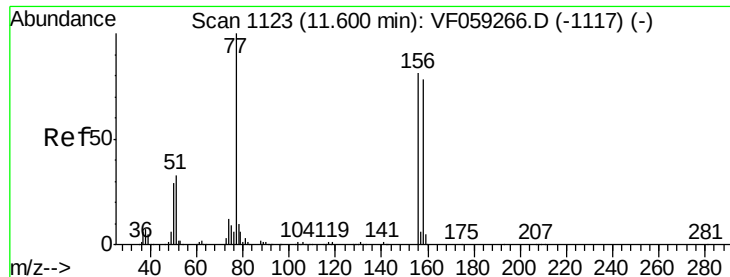
Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Tgt Ion:	75	Resp:	262188
Ion Ratio	Lower	Upper	
75	100		
77	34.9	17.4	52.2





#77

Bromobenzene

Concen: 101.59 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 411203

Ion Ratio Lower Upper

156 100

77 129.9 61.7 185.0

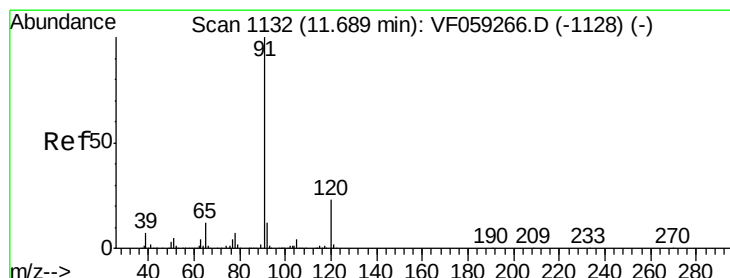
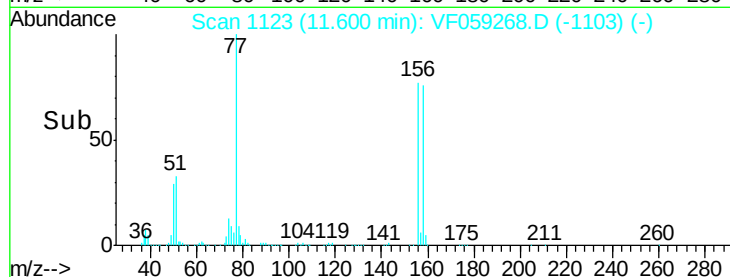
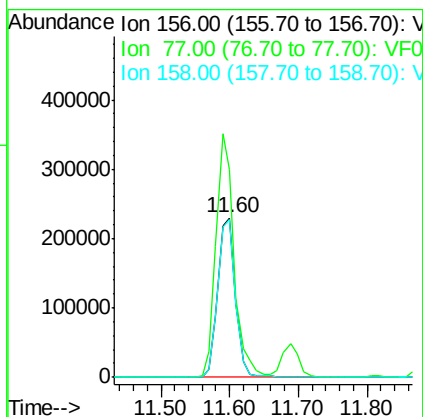
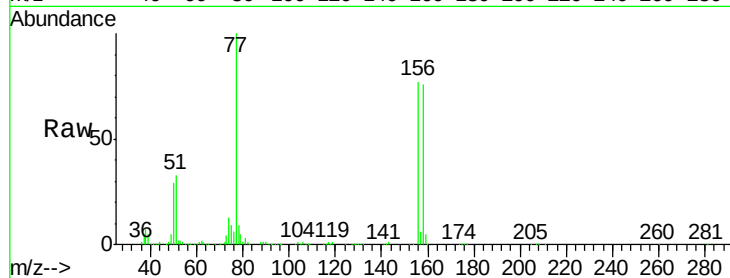
158 98.9 48.2 144.6

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#78

n-propylbenzene

Concen: 92.95 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059268.D

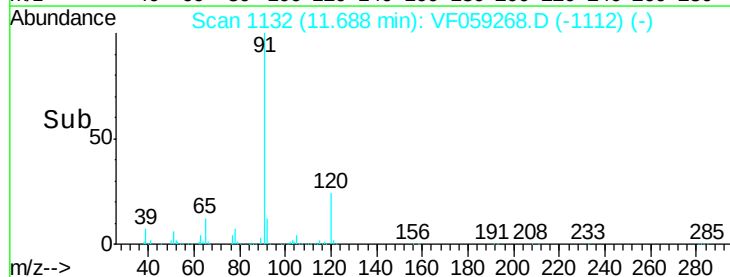
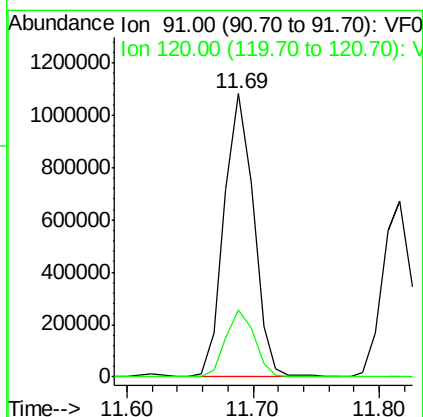
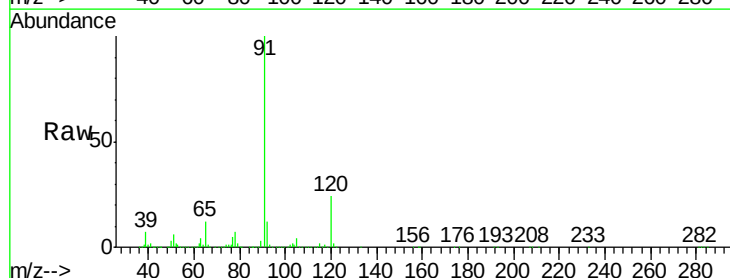
Acq: 21 Jun 2018 18:08

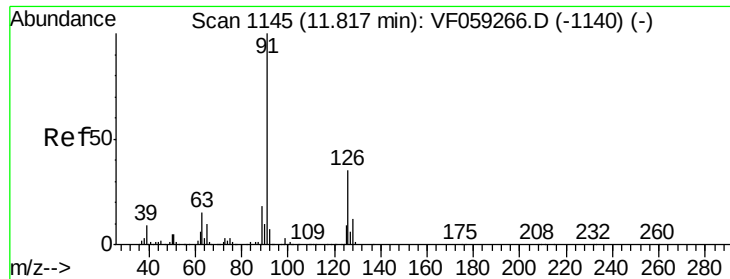
Tgt Ion: 91 Resp: 1747442

Ion Ratio Lower Upper

91 100

120 23.9 11.5 34.5





#79

2-Chlorotoluene

Concen: 96.83 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1079513

Ion Ratio Lower Upper

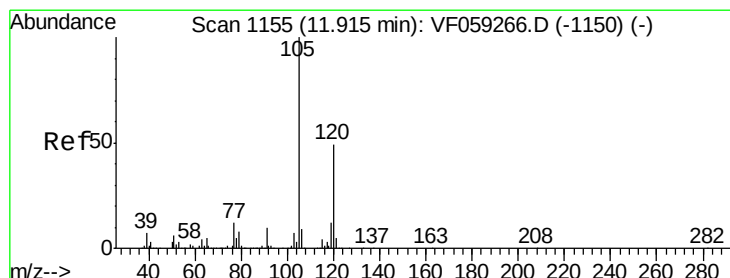
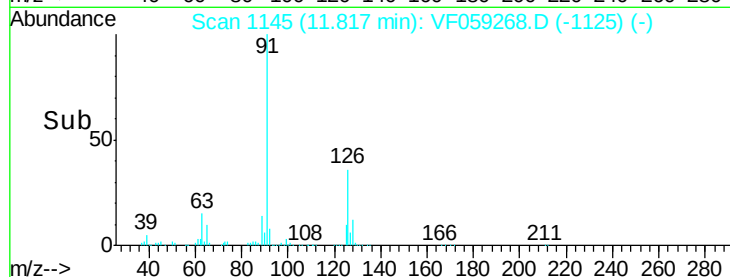
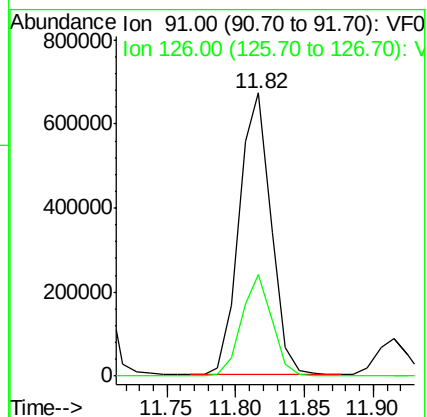
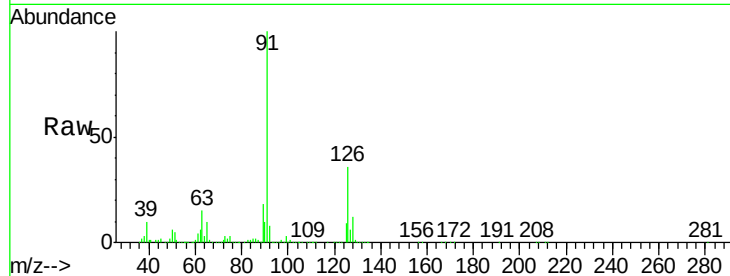
91 100

126 35.9 17.5 52.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 95.47 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF059268.D

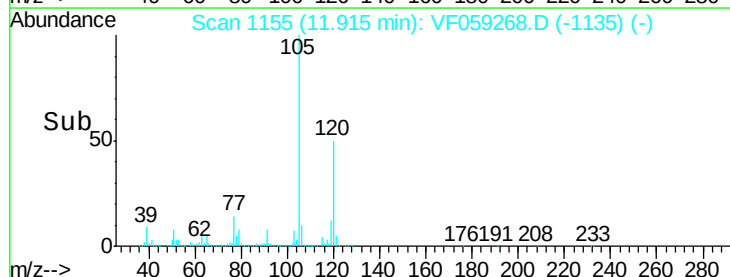
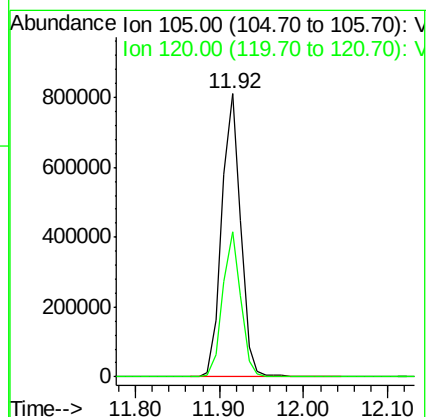
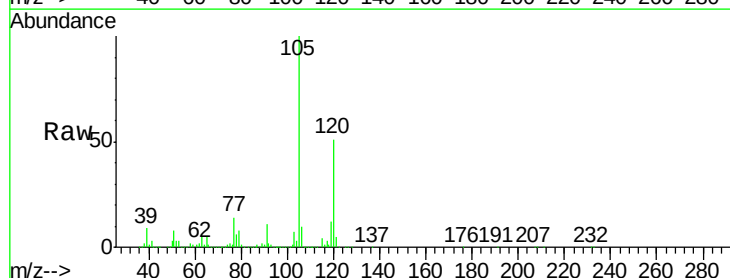
Acq: 21 Jun 2018 18:08

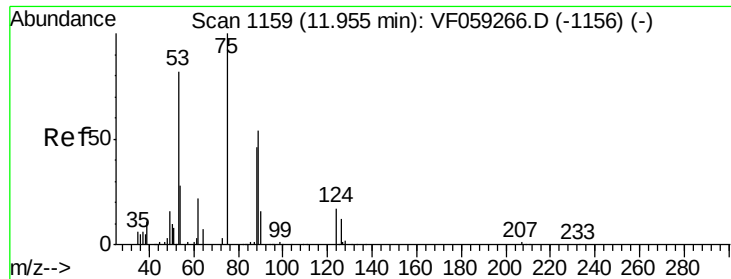
Tgt Ion: 105 Resp: 1261072

Ion Ratio Lower Upper

105 100

120 51.2 24.3 73.0





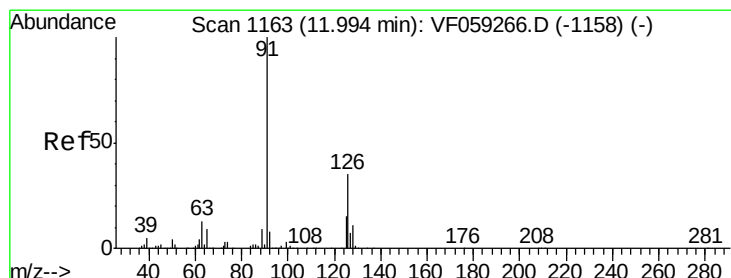
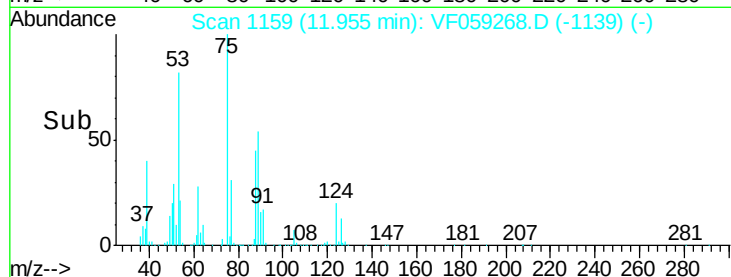
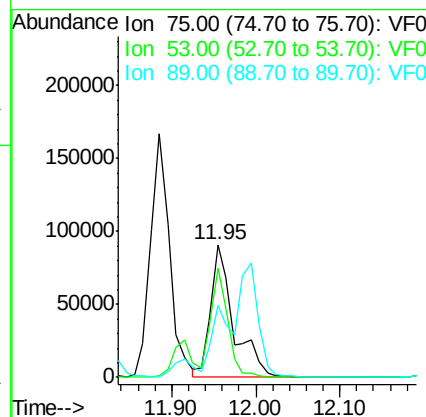
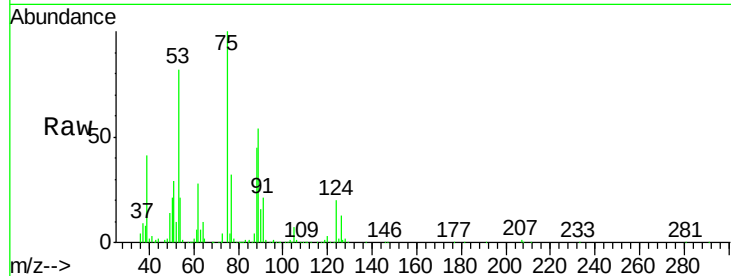
#81
trans-1,4-Dichloro-2-butene
Concen: 94.62 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.9	70.2	105.2
89	54.1	45.3	67.9

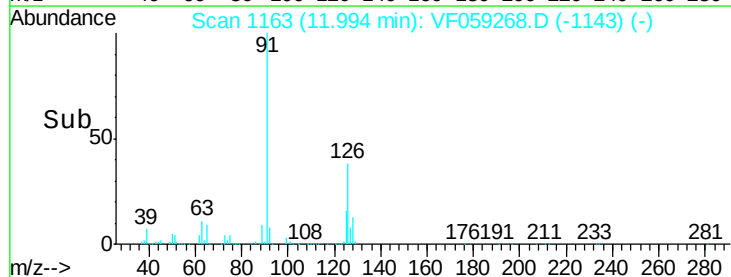
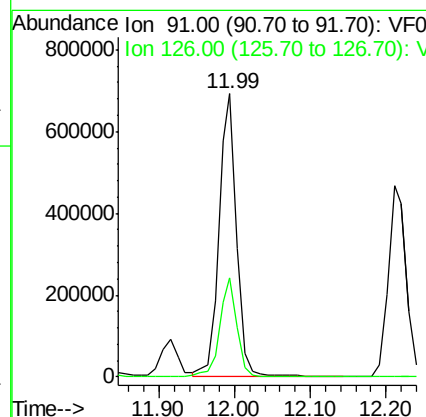
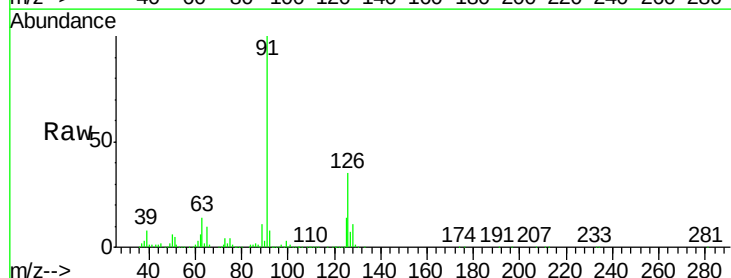
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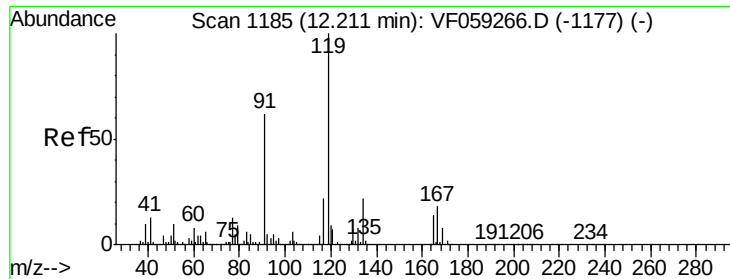
apatel
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#82
4-Chlorotoluene
Concen: 94.65 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.6	52.8





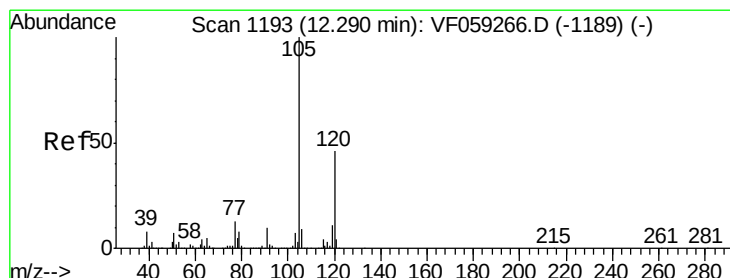
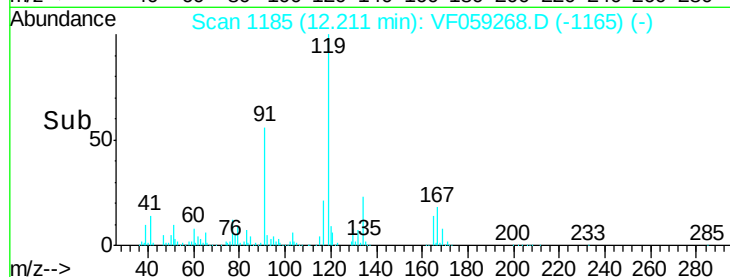
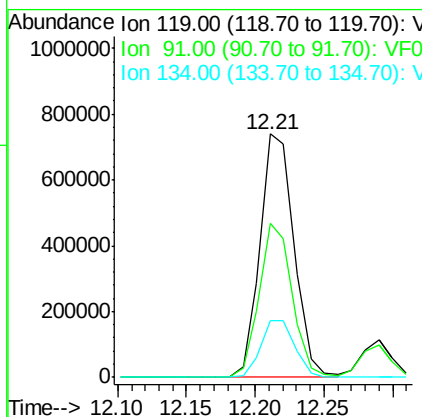
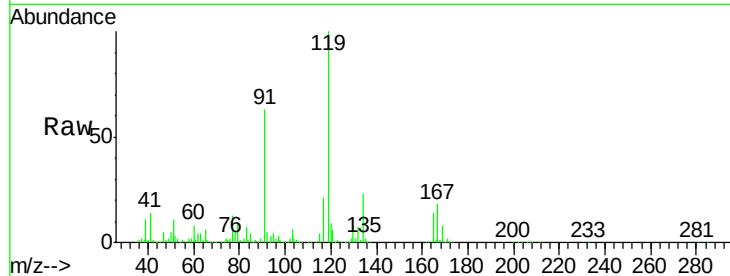
#83
 tert-Butylbenzene
 Concen: 96.87 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.3	93.8
134	23.3	11.3	33.8

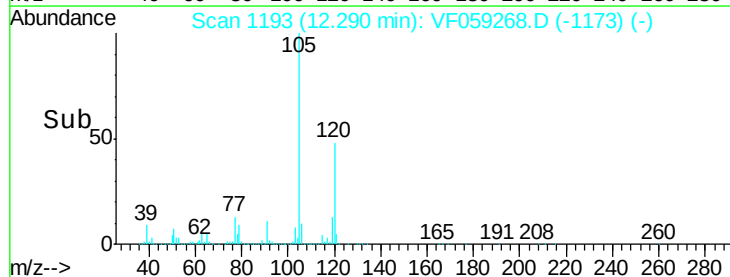
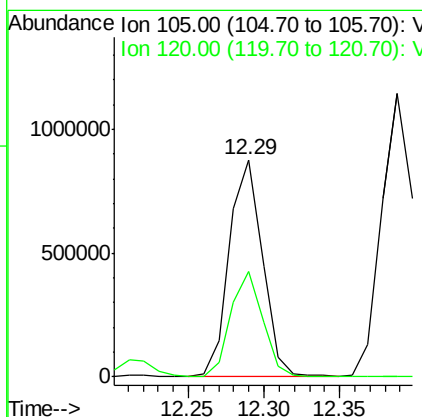
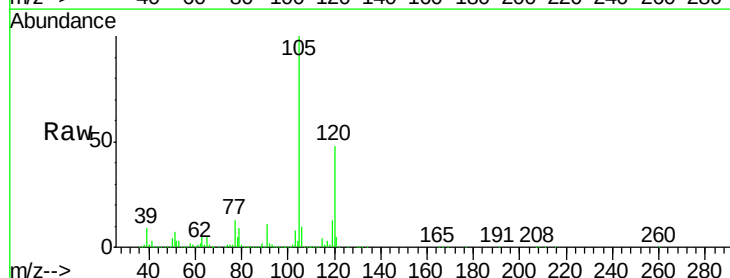
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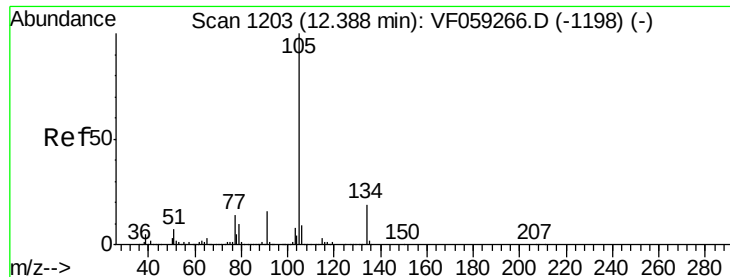
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#84
 1,2,4-Trimethylbenzene
 Concen: 98.36 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.4	22.8	68.4





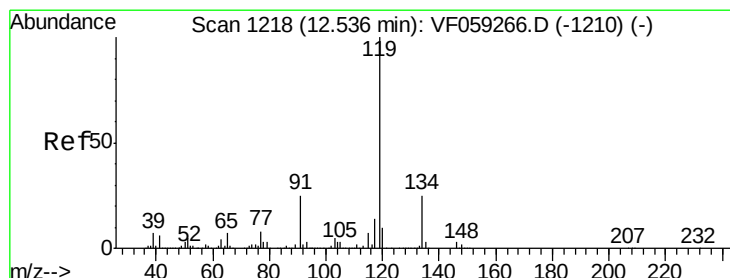
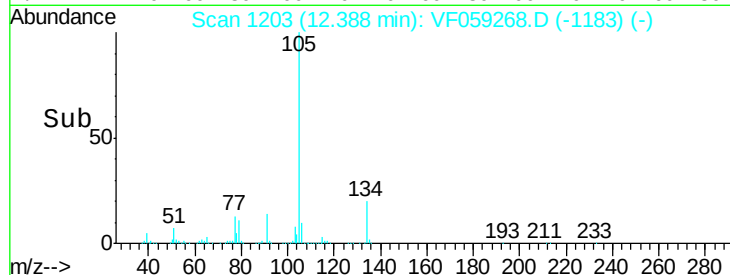
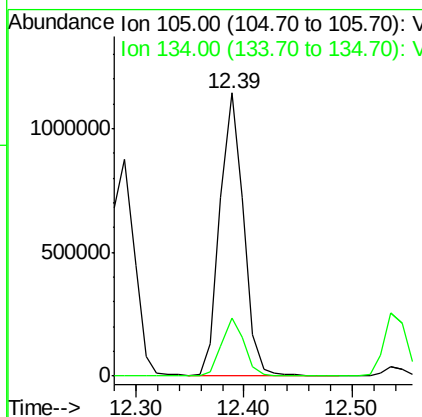
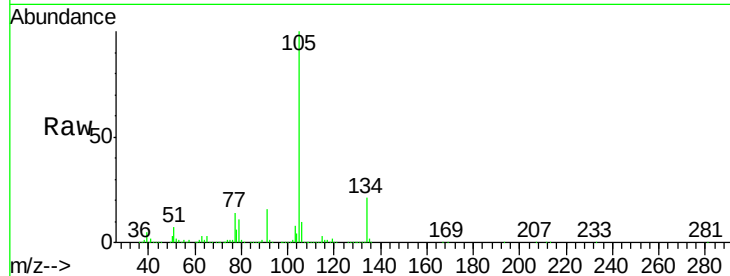
#85
 sec-Butylbenzene
 Concen: 97.37 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1728543
 Ion Ratio Lower Upper
 105 100
 134 20.7 9.5 28.5

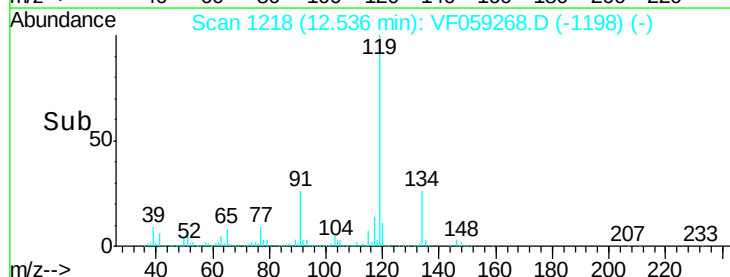
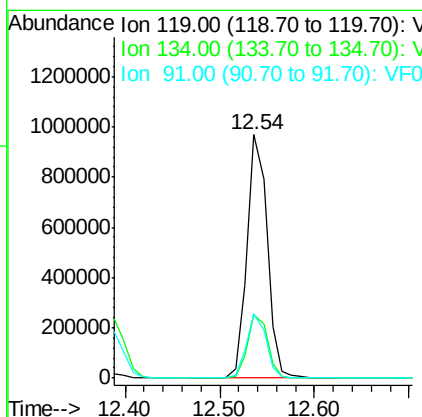
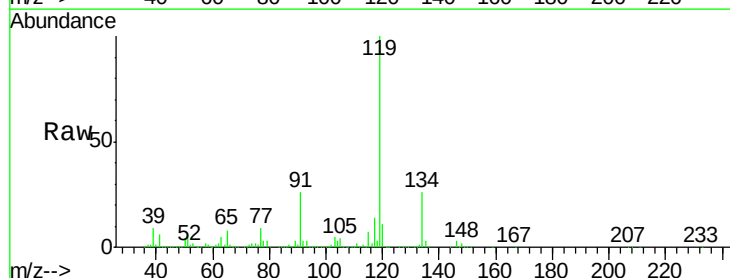
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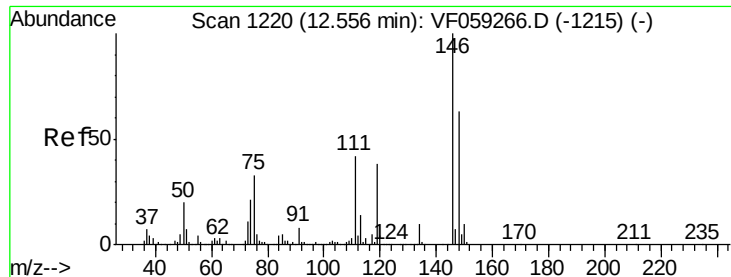
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#86
 p-Isopropyltoluene
 Concen: 97.92 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Tgt Ion:119 Resp: 1431776
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.6 37.8
 91 26.4 12.6 37.8





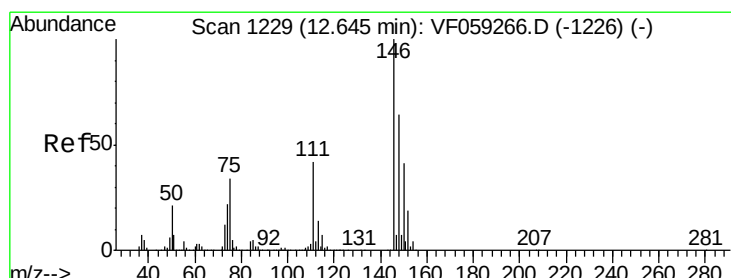
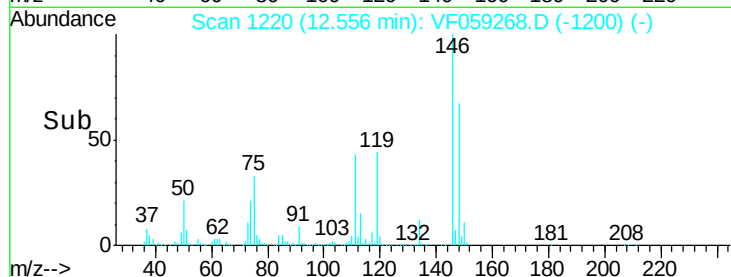
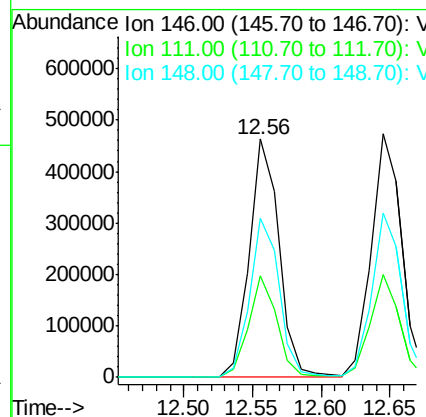
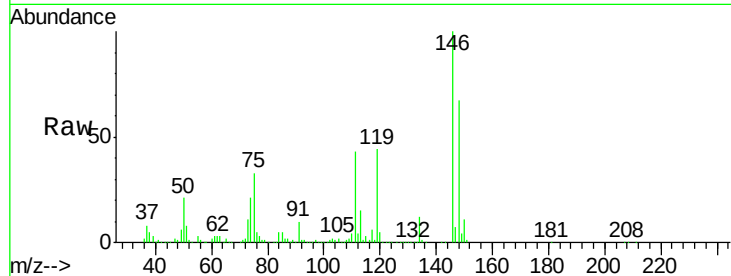
#87
 1,3-Dichlorobenzene
 Concen: 94.49 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.0	63.0
148	66.8	31.6	94.8

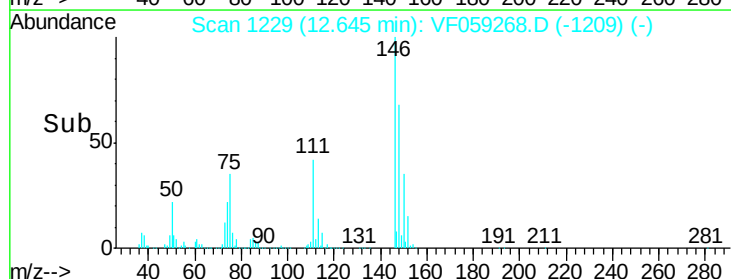
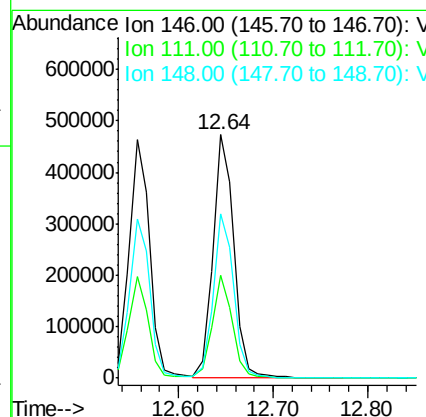
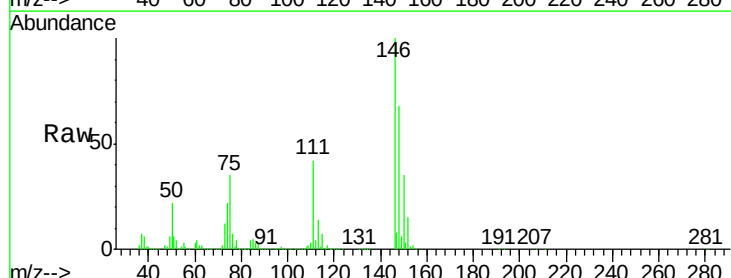
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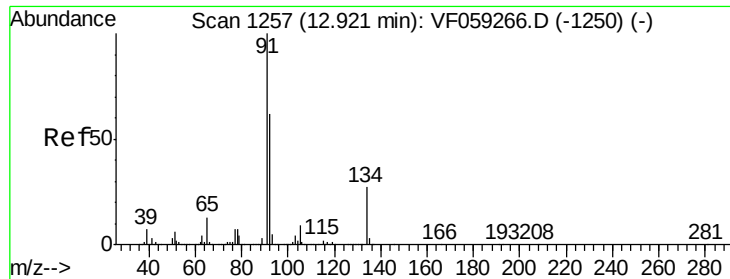
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#88
 1,4-Dichlorobenzene
 Concen: 101.13 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.9
148	67.6	32.0	96.2





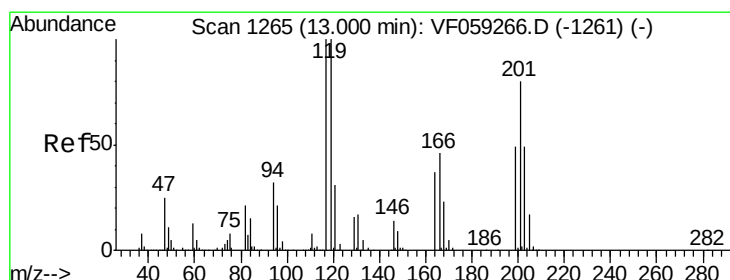
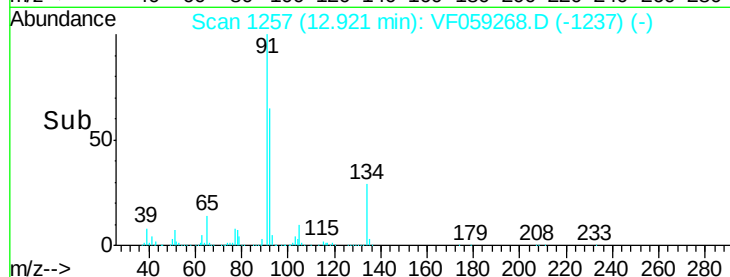
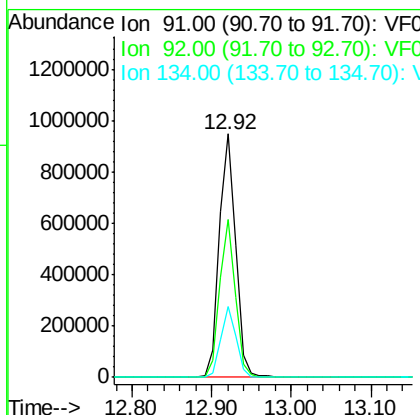
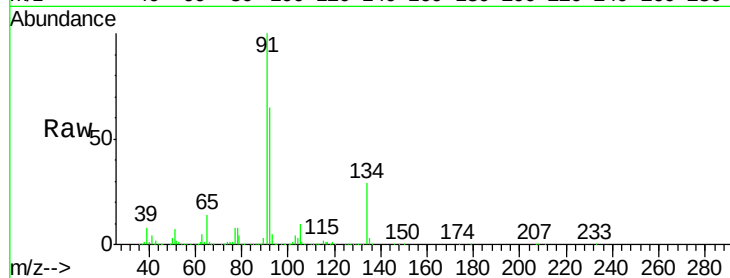
#89
n-Butylbenzene
Concen: 90.92 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.0	31.2	93.6
134	28.8	13.4	40.1

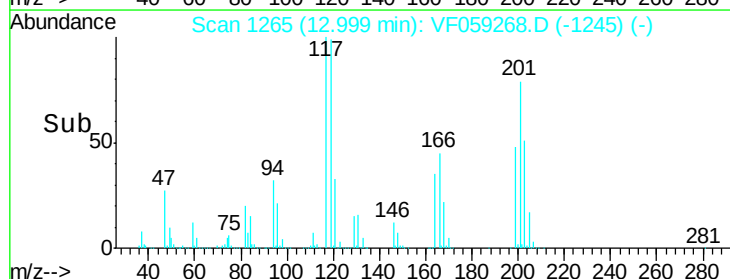
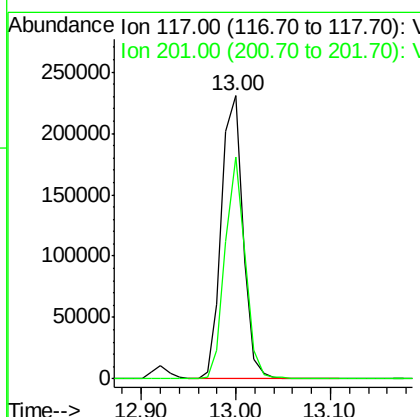
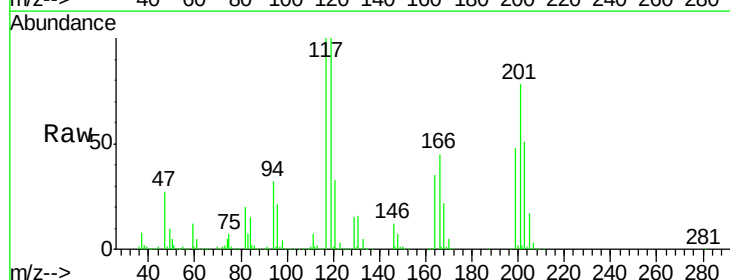
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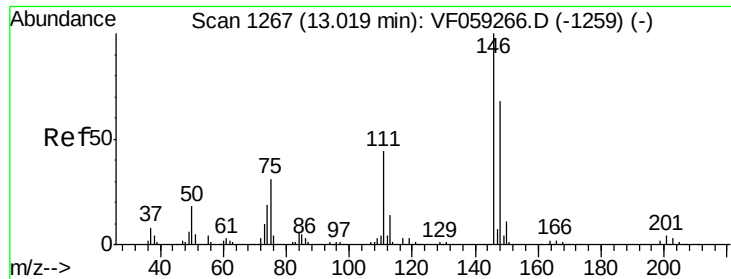
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#90
Hexachloroethane
Concen: 101.49 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VF059268.D
Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	39.8	119.3





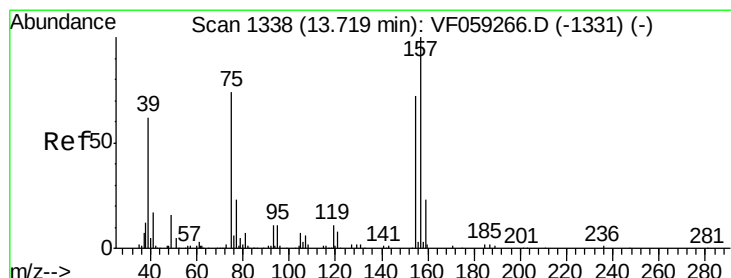
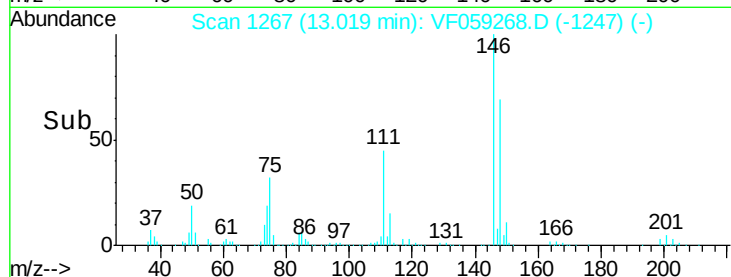
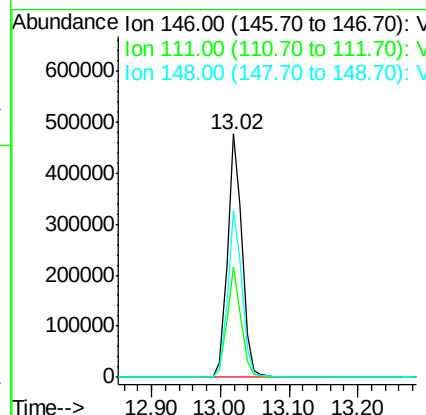
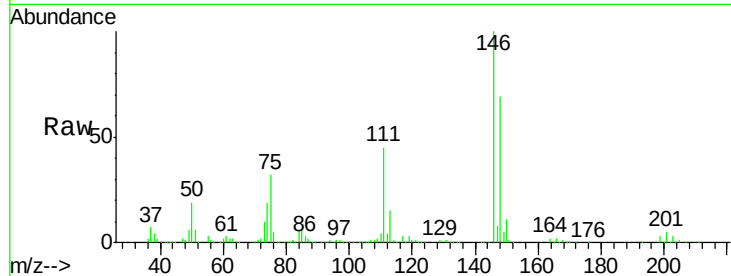
#91
 1,2-Dichlorobenzene
 Concen: 96.88 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.1	66.3
148	68.8	34.0	102.0

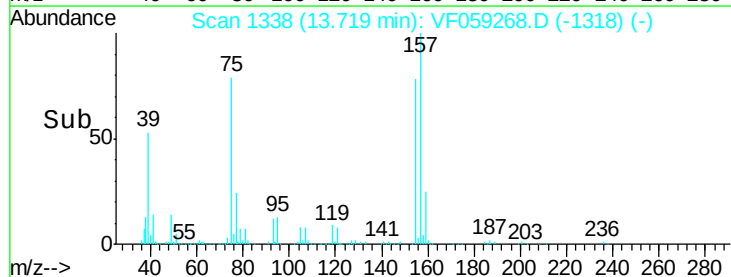
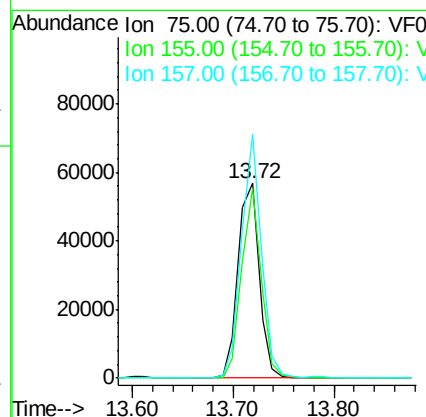
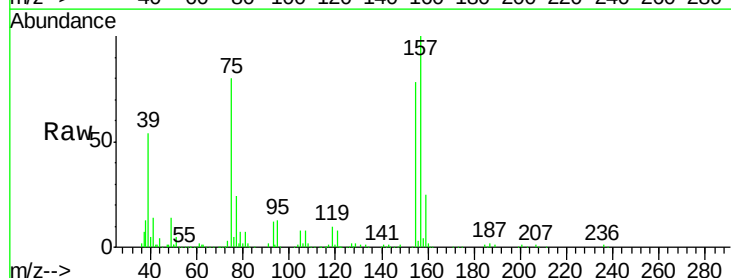
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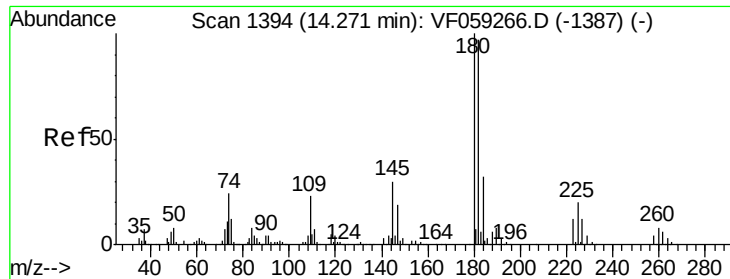
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 111.24 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	48.3	144.9
157	125.1	67.2	201.6





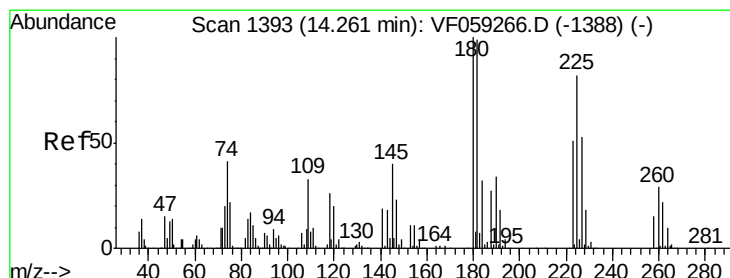
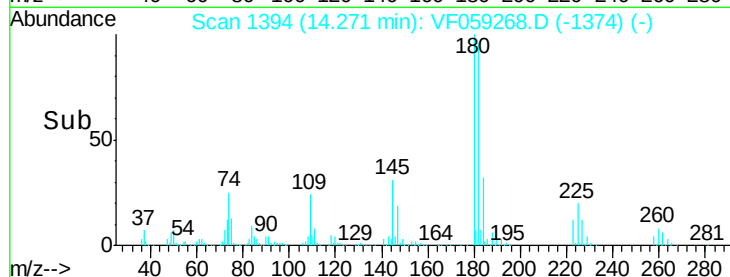
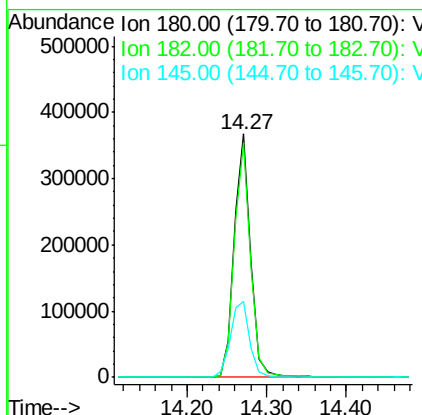
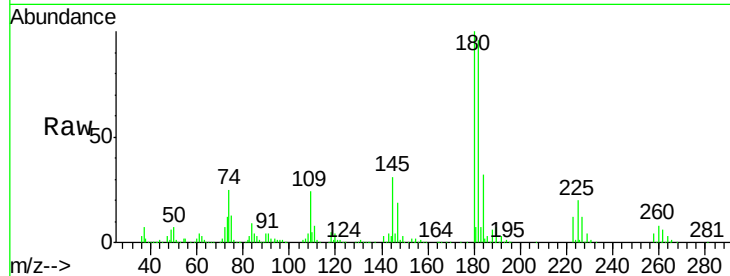
#93
 1,2,4-Trichlorobenzene
 Concen: 104.42 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	532780		
182	96.4	48.6	145.9	
145	31.1	15.0	45.1	

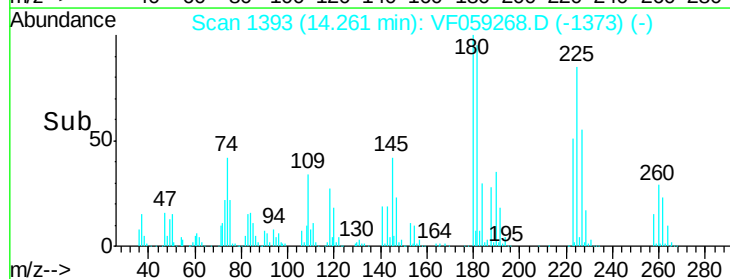
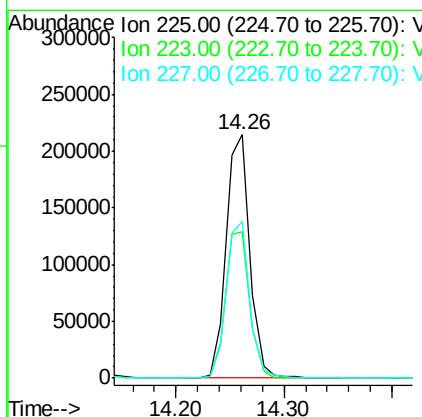
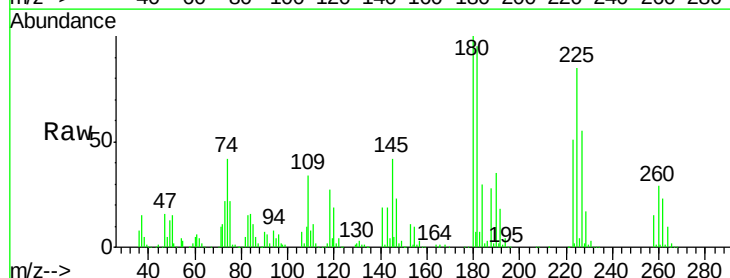
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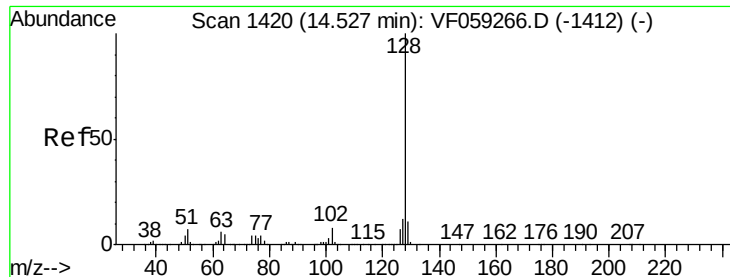
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#94
 Hexachlorobutadiene
 Concen: 110.79 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059268.D
 Acq: 21 Jun 2018 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	326186		
223	60.0	30.7	92.1	
227	64.2	32.0	96.2	





#95

Naphthalene

Concen: 106.40 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1160479

Ion Ratio Lower Upper

128 100

127 12.6 9.6 14.4

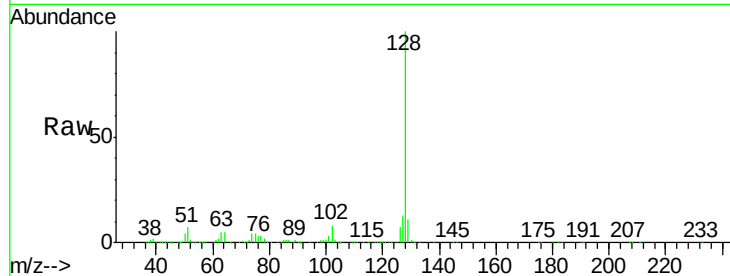
129 11.4 9.0 13.4

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APPROVED

apatel

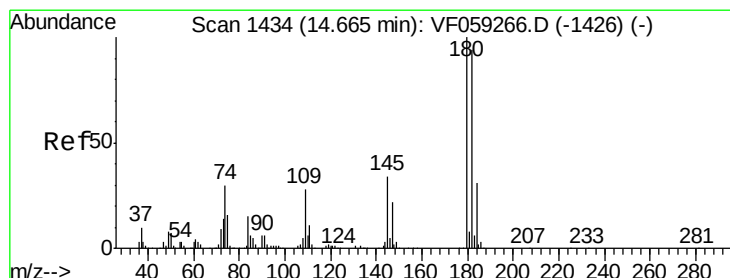
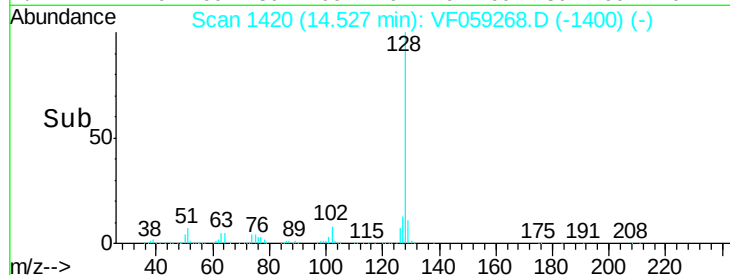
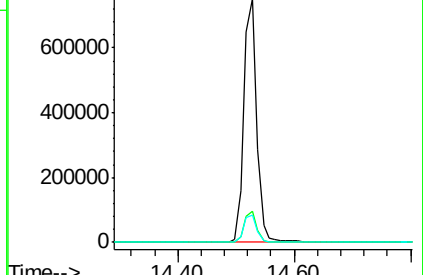
6/22/2018 11:34:42 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 110.98 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VF059268.D

Acq: 21 Jun 2018 18:08

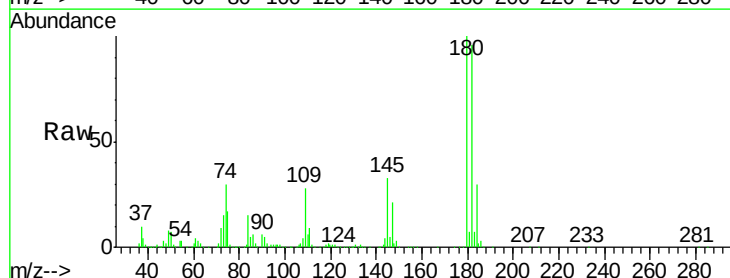
Tgt Ion:180 Resp: 523816

Ion Ratio Lower Upper

180 100

182 96.5 46.9 140.7

145 33.4 17.0 50.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

