

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060298.D
 Acq On : 20 Sep 2018 12:49
 Operator : VA/AP
 Sample : VF0920SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

Manual Integrations
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 9/21/2018 11:04:59 AM

Quant Time: Sep 20 16:01:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	244588	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	406391	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	353003	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	185374	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	166277	50.49	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.98%	
35) Dibromofluoromethane	4.28	113	176211	48.64	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.28%	
50) Toluene-d8	7.69	98	418951	44.41	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.82%	
62) 4-Bromofluorobenzene	11.49	95	187675	46.02	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	103613	25.200	ug/l	98
3) Chloromethane	1.12	50	77158	23.149	ug/l	98
4) Vinyl Chloride	1.17	62	80735	23.768	ug/l	99
5) Bromomethane	1.35	94	53391	24.255	ug/l	95
6) Chloroethane	1.43	64	34922	21.587	ug/l	91
7) Trichlorofluoromethane	1.53	101	152147	24.042	ug/l	99
8) Diethyl Ether	1.69	74	20903	19.853	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.89	101	78817	23.419	ug/l	95
10) Methyl Iodide	1.96	142	124766	22.989	ug/l	96
11) Tert butyl alcohol	2.67	59	25526	130.913	ug/l	99
12) 1,1-Dichloroethene	1.85	96	65961	23.698	ug/l	94
13) Acrolein	2.08	56	11526m	173.960	ug/l	
14) Allyl chloride	2.18	41	107357	22.103	ug/l	95
15) Acrylonitrile	3.06	53	46494	99.955	ug/l	94
16) Acetone	2.32	43	105347	113.581	ug/l	95
17) Carbon Disulfide	1.87	76	204366	25.899	ug/l	94
18) Methyl Acetate	2.43	43	29726	19.238	ug/l #	88
19) Methyl tert-butyl Ether	2.52	73	154846	22.316	ug/l	96
20) Methylene Chloride	2.27	84	73518m	25.740	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	63888	22.224	ug/l	97
22) Diisopropyl ether	2.91	45	192093	20.961	ug/l	93
23) Vinyl Acetate	3.31	43	375287	104.269	ug/l	100
24) 1,1-Dichloroethane	2.98	63	128076	21.550	ug/l	98
25) 2-Butanone	4.48	43	130594	104.607	ug/l	98
26) 2,2-Dichloropropane	3.74	77	79333	23.394	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	82201	21.765	ug/l	91
28) Bromochloromethane	3.87	49	47745	20.634	ug/l	85
29) Tetrahydrofuran	4.23	42	46710	102.171	ug/l	97
30) Chloroform	4.01	83	163033	22.734	ug/l	92
31) Cyclohexane	3.84	56	106820	21.278	ug/l	95
32) 1,1,1-Trichloroethane	4.26	97	132717	23.455	ug/l	98
36) 1,1-Dichloropropene	4.44	75	109149	21.532	ug/l	96
37) Ethyl Acetate	4.27	43	51219	23.879	ug/l	99
38) Carbon Tetrachloride	4.15	117	125549m	23.058	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	124925	22.739	ug/l	97
40) Benzene	4.79	78	241407	21.002	ug/l	96
41) Methacrylonitrile	4.90	41	23919	20.551	ug/l	92
42) 1,2-Dichloroethane	5.09	62	93445	22.087	ug/l	100
43) Isopropyl Acetate	7.09	43	56106	21.728	ug/l #	94
44) Trichloroethene	5.66	130	76221	22.282	ug/l	98
45) 1,2-Dichloropropane	6.38	63	61115	20.544	ug/l	98
46) Dibromomethane	6.24	93	45539	21.416	ug/l	95
47) Bromodichloromethane	6.52	83	113646	22.240	ug/l	99
48) Methyl methacrylate	6.85	41	35569	19.623	ug/l	95
49) 1,4-Dioxane	6.85	88	7778	480.309	ug/l	93
51) 4-Methyl-2-Pentanone	8.39	43	203171	102.087	ug/l	95
52) Toluene	7.76	92	150242	20.662	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	86048	20.876	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	108638	20.922	ug/l	97
55) 1,1,2-Trichloroethane	8.61	97	46732	21.175	ug/l	89
56) Ethyl methacrylate	8.74	69	54396	20.408	ug/l	92
57) 1,3-Dichloropropane	8.98	76	74615	20.419	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	24874	105.562	ug/l	100
59) 2-Hexanone	9.61	43	160165	113.029	ug/l	99
60) Dibromochloromethane	8.84	129	70860	21.542	ug/l	91
61) 1,2-Dibromoethane	9.12	107	52399	21.321	ug/l	93
64) Tetrachloroethene	8.29	164	70271	21.959	ug/l	93
65) Chlorobenzene	9.92	112	172585	21.572	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	73347	22.091	ug/l	93
67) Ethyl Benzene	10.02	91	324680	21.949	ug/l	96
68) m/p-Xylenes	10.25	106	221890	43.417	ug/l	92
69) o-Xylene	10.81	106	123992	21.630	ug/l	92
70) Styrene	10.89	104	181818	22.491	ug/l	95
71) Bromoform	10.87	173	38594	21.165	ug/l	83
73) Isopropylbenzene	11.22	105	364588	21.908	ug/l	98
74) N-amyl acetate	11.45	43	84237	23.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	63092	21.393	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	46314	21.932	ug/l	97
77) Bromobenzene	11.58	156	77246	21.538	ug/l	95
78) n-propylbenzene	11.68	91	435781	21.877	ug/l	100
79) 2-Chlorotoluene	11.80	91	248106	22.102	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	311523	23.255	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	22786m	20.418	ug/l	
82) 4-Chlorotoluene	11.97	91	247123	21.902	ug/l	99
83) tert-Butylbenzene	12.20	119	299168	22.031	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	293809	21.599	ug/l	96
85) sec-Butylbenzene	12.38	105	411407	21.205	ug/l	99
86) p-Isopropyltoluene	12.53	119	343391	22.883	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	151568	22.616	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	143570	21.674	ug/l	97
89) n-Butylbenzene	12.91	91	356872	21.754	ug/l	96
90) Hexachloroethane	12.98	117	82236	21.642	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	136653	21.375	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11872	21.440	ug/l	93

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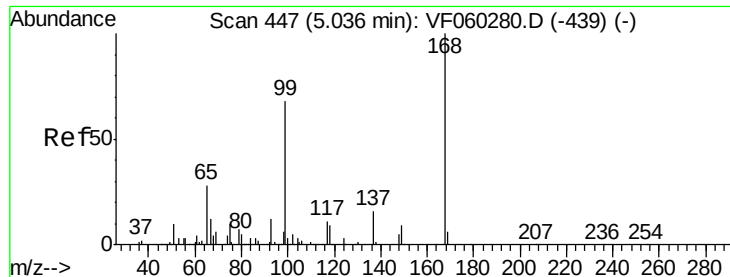
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	104754	22.543	ug/l	96
94) Hexachlorobutadiene	14.24	225	69795	22.219	ug/l	96
95) Naphthalene	14.51	128	190329	23.362	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	94422	21.991	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

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ClientSampleId :

VF0920SBS01

Tot Ion:168 Resp: 244588

Ion Ratio Lower Upper

168 100

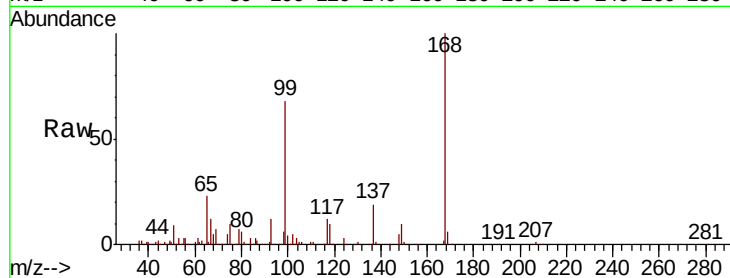
99 68.4 54.8 82.2

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

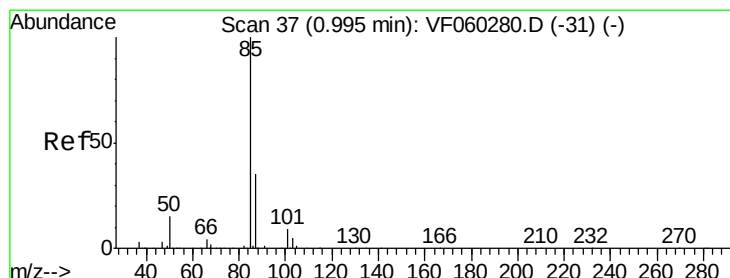
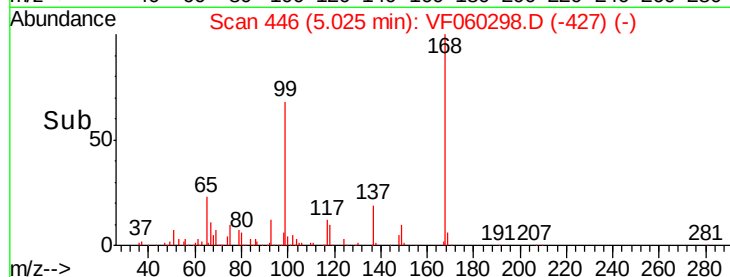
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.200 ug/l

RT: 0.99 min Scan# 37

Delta R.T. -0.00 min

Lab File: VF060298.D

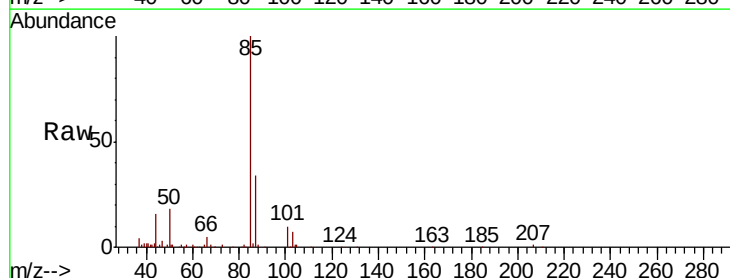
Acq: 20 Sep 2018 12:49

Tgt Ion: 85 Resp: 103613

Ion Ratio Lower Upper

85 100

87 33.7 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

40000

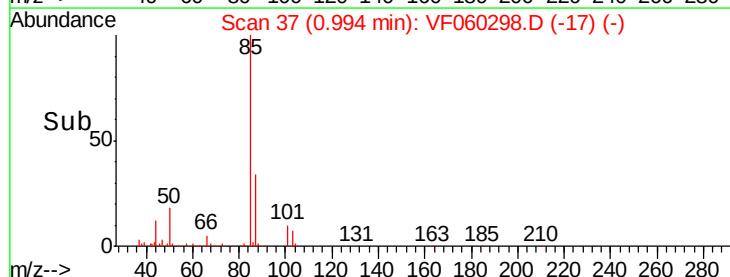
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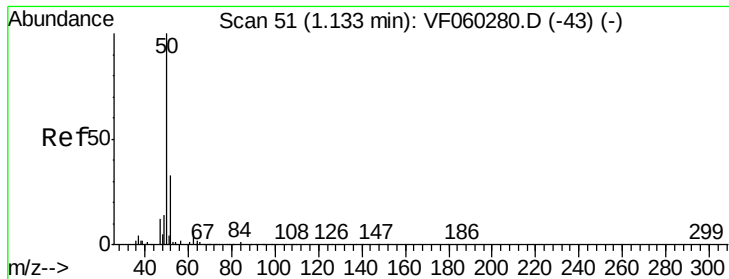
20000

10000

0

Time-->





#3

Chloromethane

Concen: 23.149 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 50 Resp: 77158

Ion Ratio Lower Upper

50 100

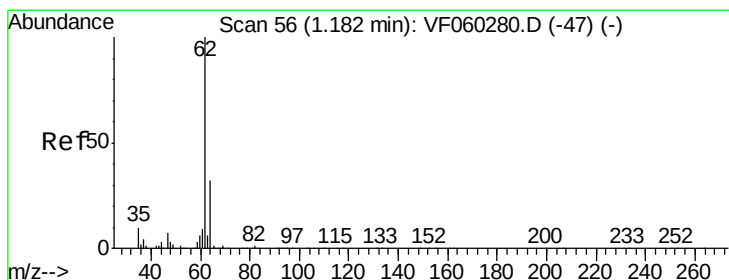
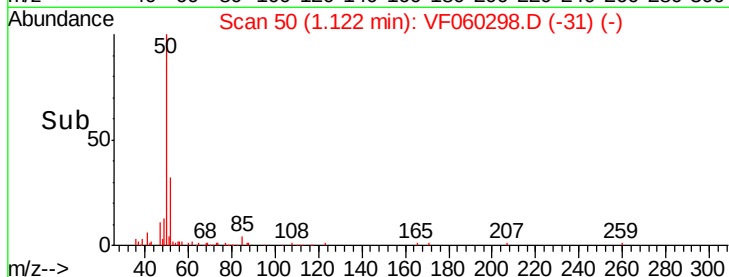
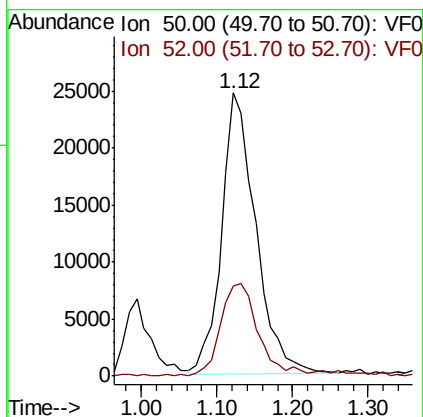
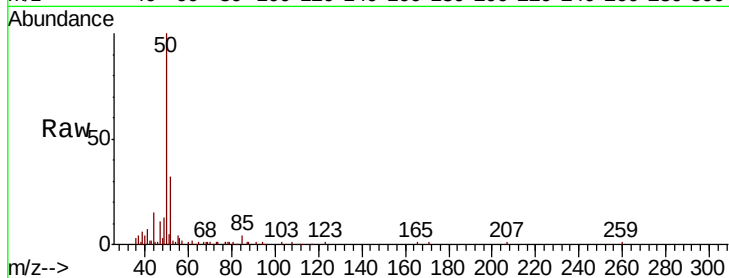
52 31.9 26.5 39.7

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#4

Vinyl Chloride

Concen: 23.768 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060298.D

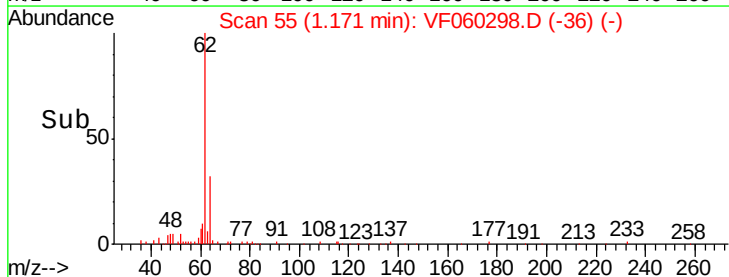
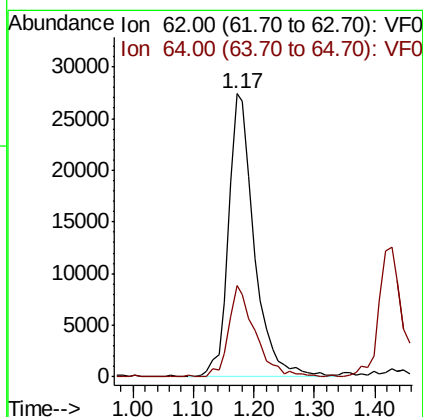
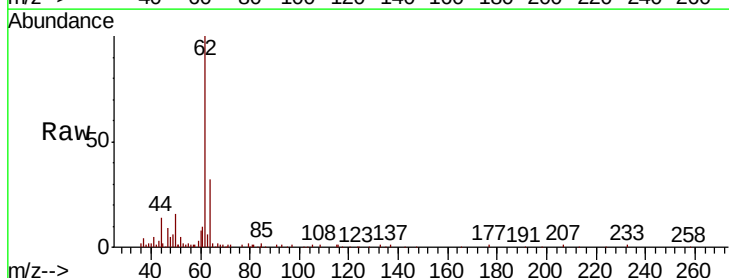
Acq: 20 Sep 2018 12:49

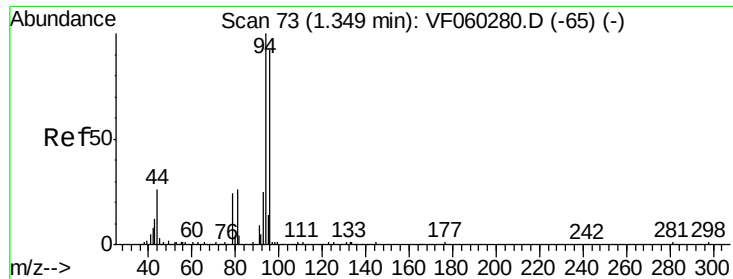
Tgt Ion: 62 Resp: 80735

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8





#5

Bromomethane

Concen: 24.255 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 94 Resp: 53391

Ion Ratio Lower Upper

94 100

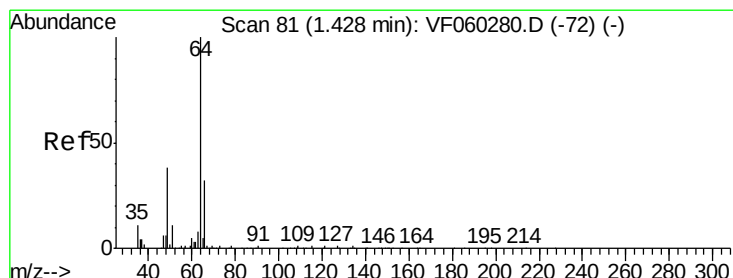
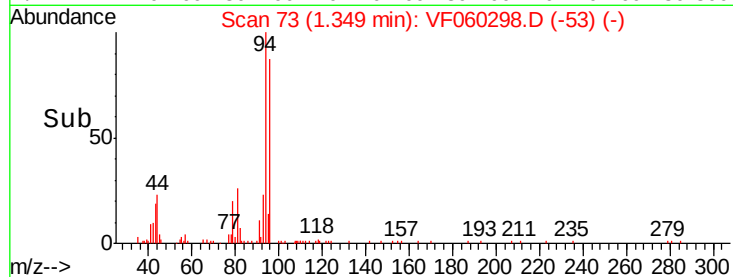
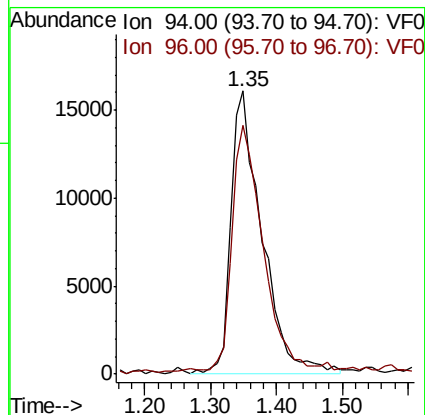
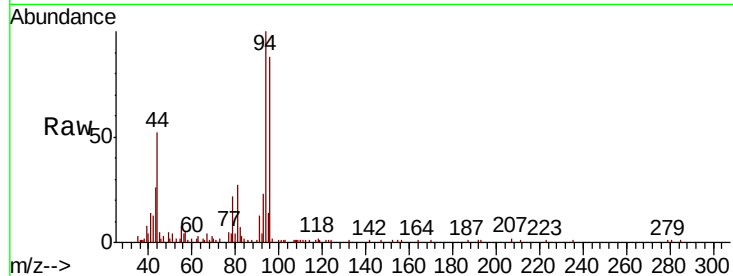
96 87.7 73.9 110.9

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9/21/2018 11:04:59 AM



#6

Chloroethane

Concen: 21.587 ug/l

RT: 1.43 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF060298.D

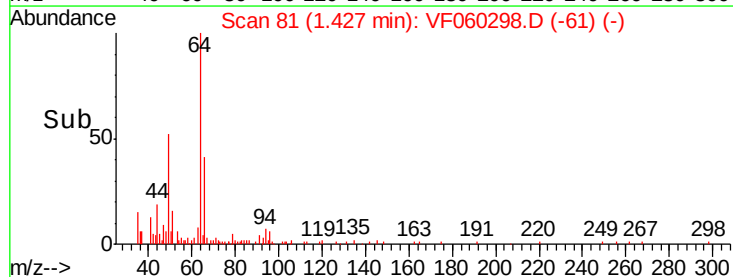
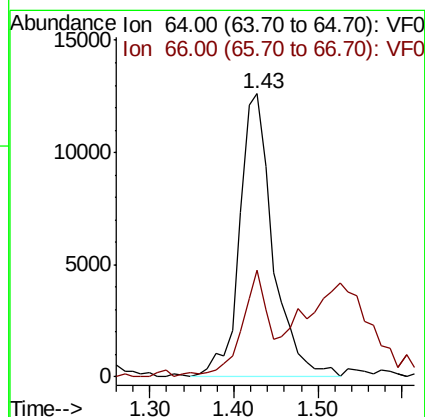
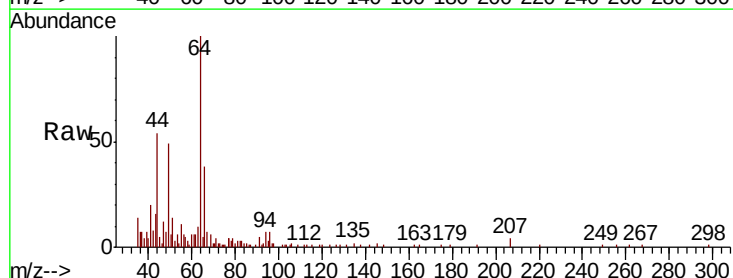
Acq: 20 Sep 2018 12:49

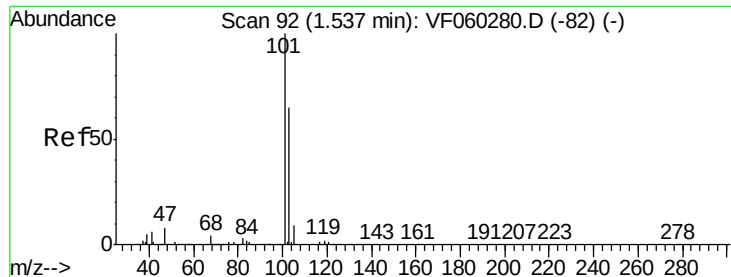
Tgt Ion: 64 Resp: 34922

Ion Ratio Lower Upper

64 100

66 37.7 26.2 39.2





#7

Trichlorofluoromethane

Concen: 24.042 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

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Tot Ion:101 Resp: 152147

Ion Ratio Lower Upper

101 100

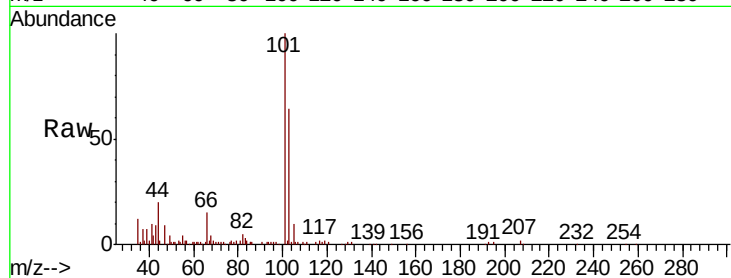
103 64.5 52.0 78.0

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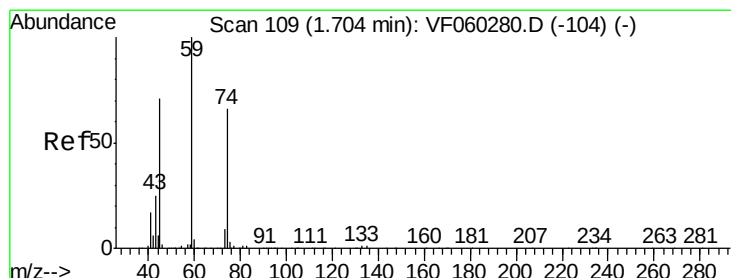
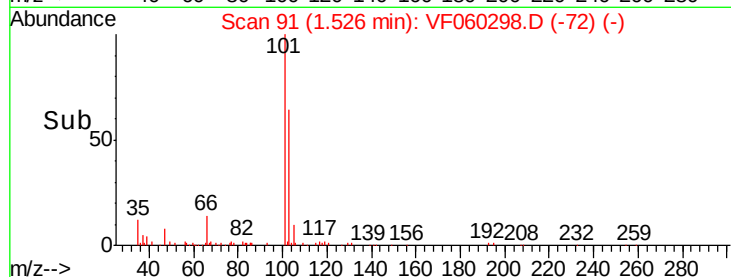
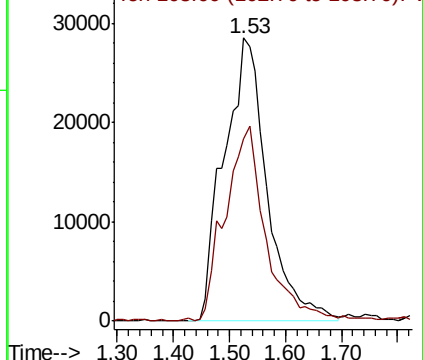
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.853 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060298.D

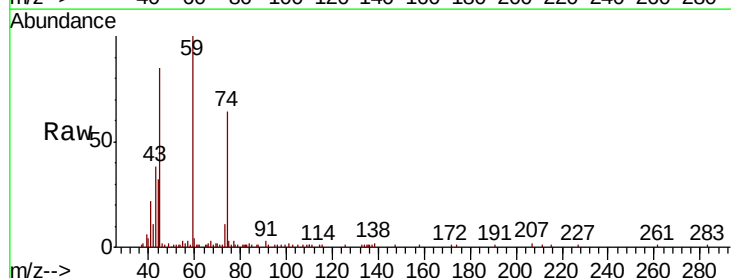
Acq: 20 Sep 2018 12:49

Tgt Ion: 74 Resp: 20903

Ion Ratio Lower Upper

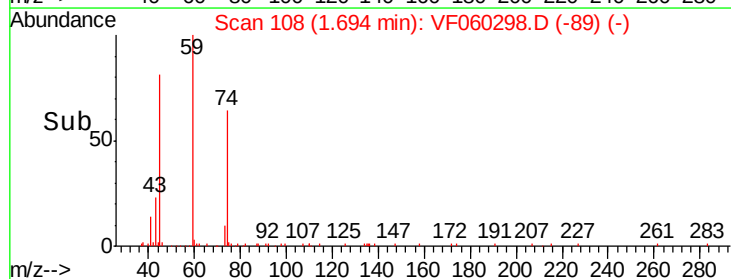
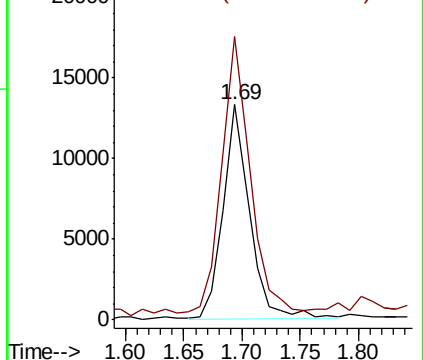
74 100

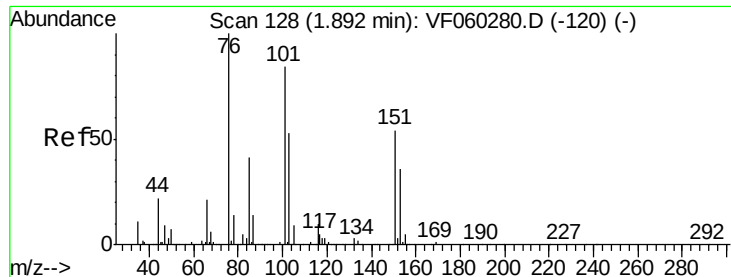
45 131.6 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.419 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.00 min

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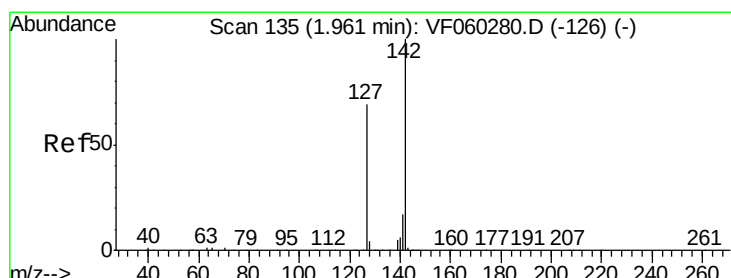
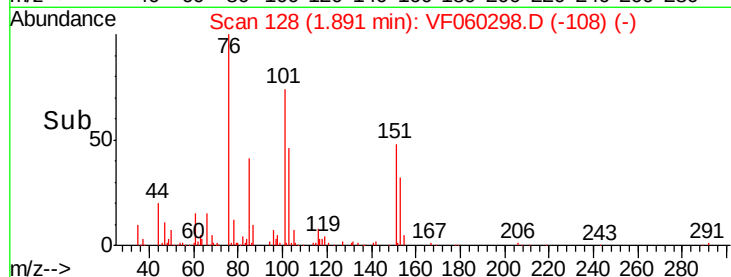
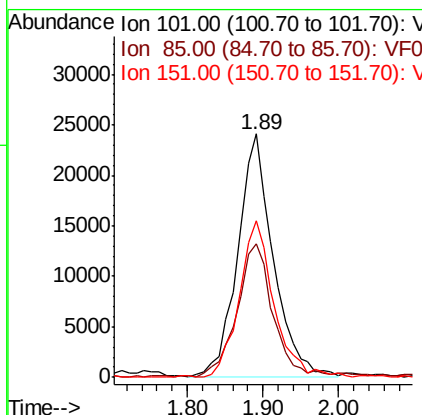
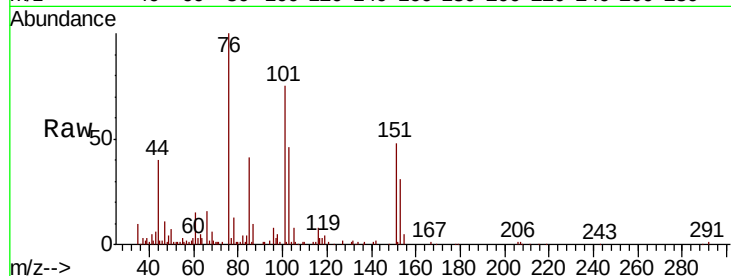
ClientSampleId :

VF0920SBSD01

Tot Ion:	101	Resp:	78817
Ion Ratio	Lower	Upper	
101	100		
85	54.8	38.7	58.1
151	64.1	50.8	76.2

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#10

Methyl Iodide

Concen: 22.989 ug/l

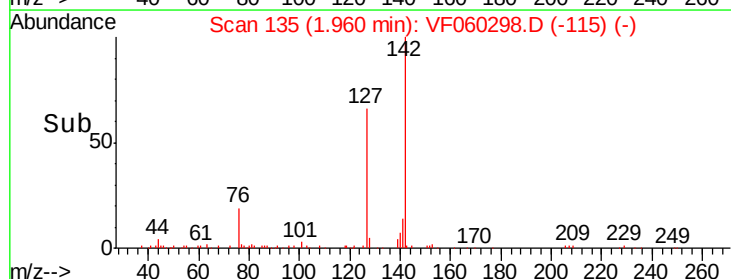
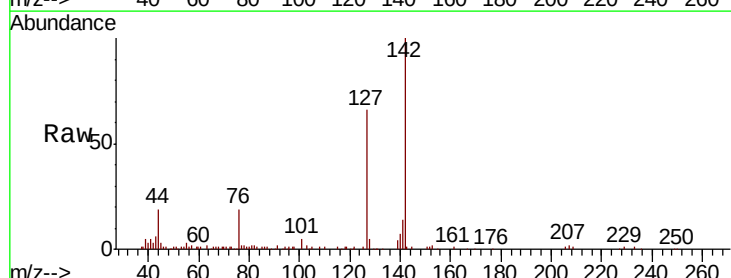
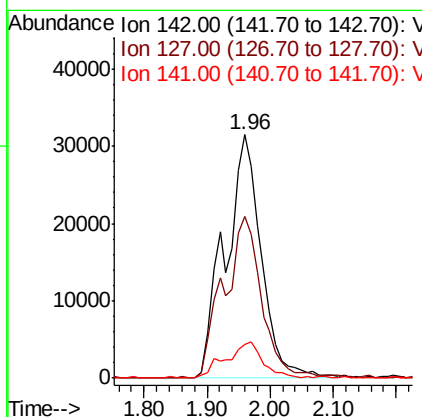
RT: 1.96 min Scan# 135

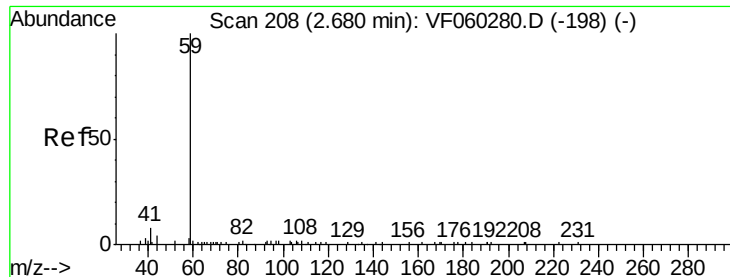
Delta R.T. -0.00 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion:	142	Resp:	124766
Ion Ratio	Lower	Upper	
142	100		
127	66.2	55.4	83.0
141	13.9	13.3	19.9





#11

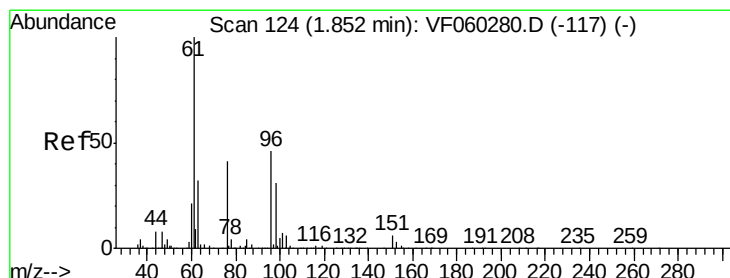
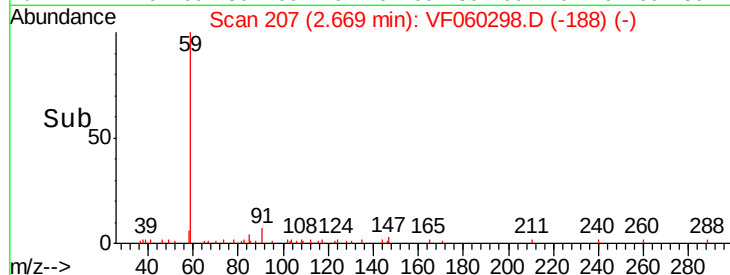
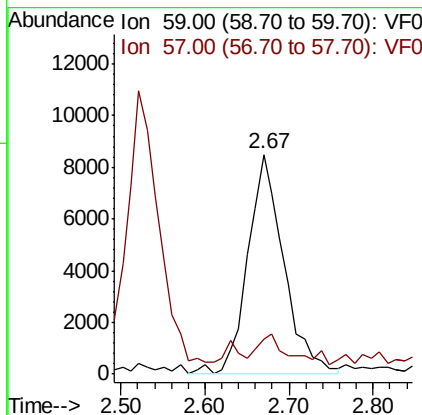
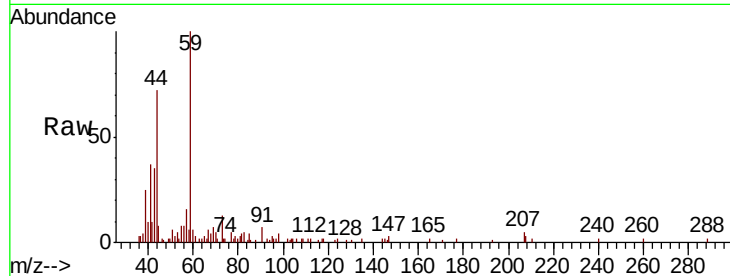
Tert butyl alcohol
 Concen: 130.913 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.8	12.4	18.6

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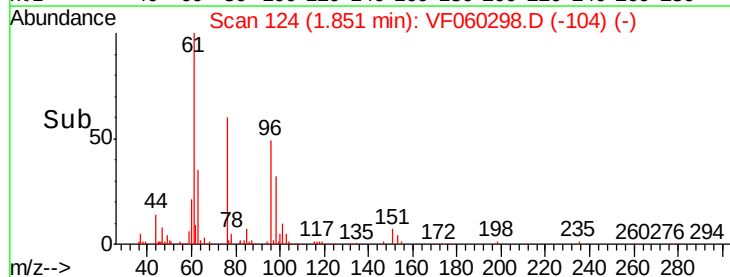
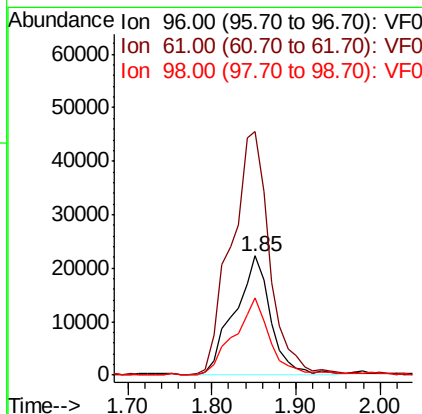
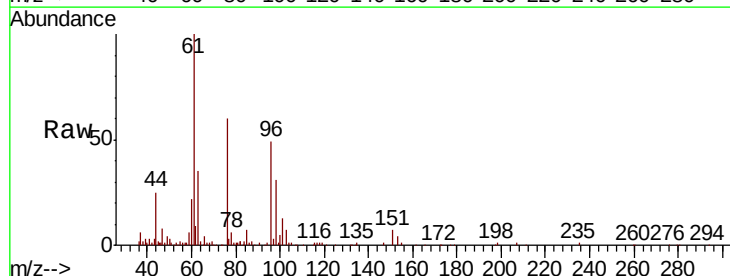
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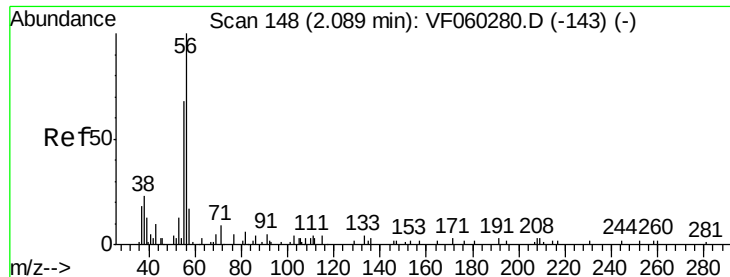


#12

1,1-Dichloroethene
 Concen: 23.698 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. -0.00 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	204.4	172.2	258.2
98	64.3	54.1	81.1





#13

Acrolein

Concen: 173.960 ug/l m

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBSD01

Tot Ion: 56 Resp: 11526

Ion Ratio Lower Upper

56 100

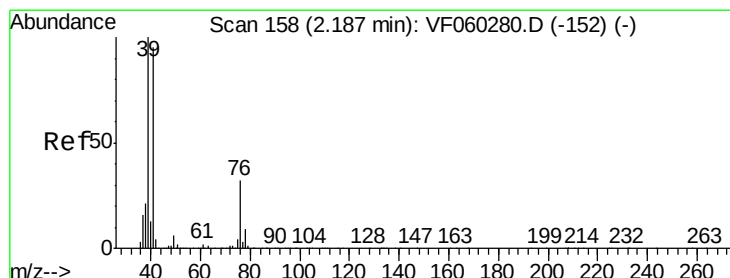
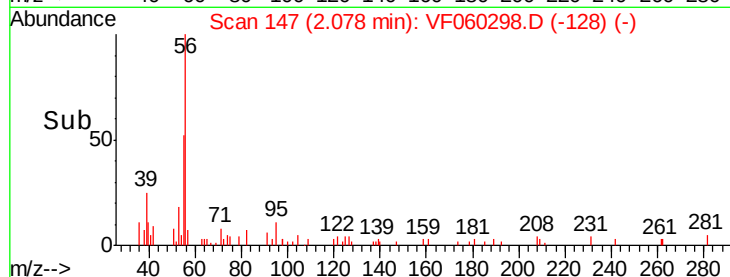
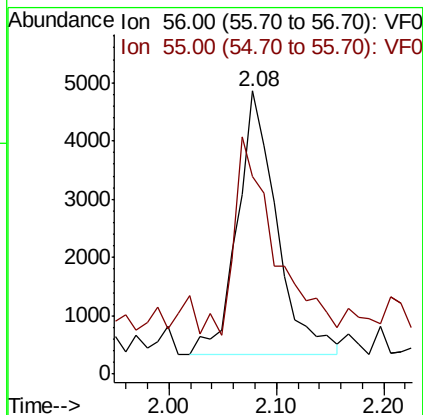
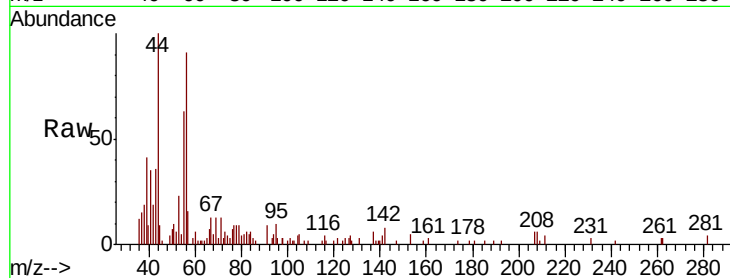
55 69.9 69.9 104.9#

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#14

Allyl chloride

Concen: 22.103 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

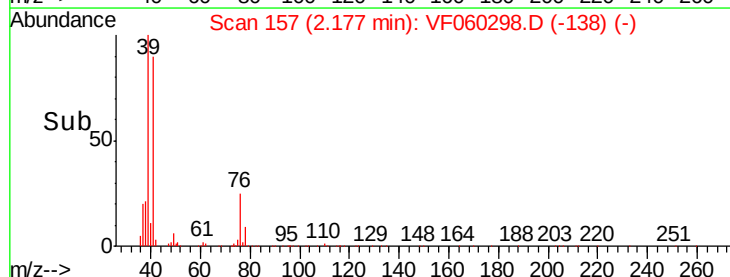
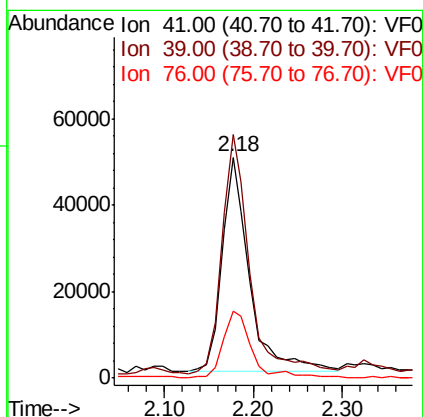
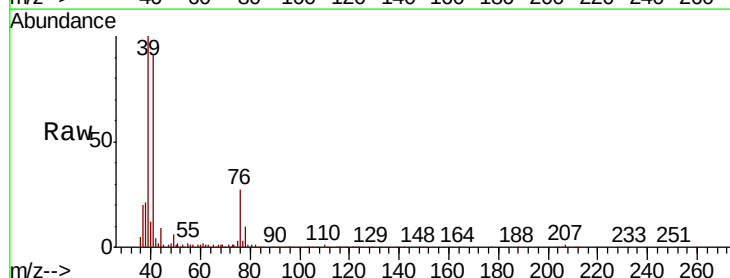
Tgt Ion: 41 Resp: 107357

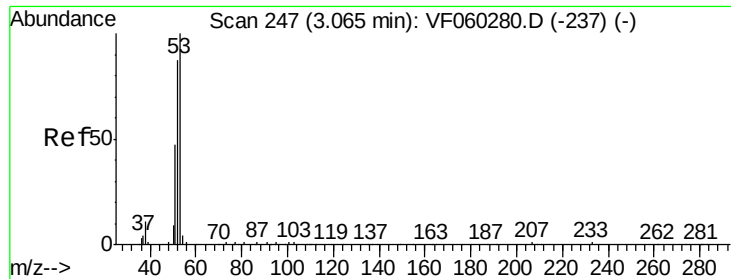
Ion Ratio Lower Upper

41 100

39 110.3 84.8 127.2

76 30.2 27.4 41.2





#15

Acrylonitrile

Concen: 99.955 ug/l

RT: 3.06 min Scan# 247

Delta R.T. -0.00 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

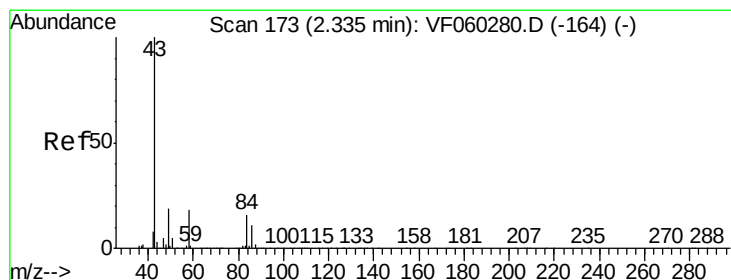
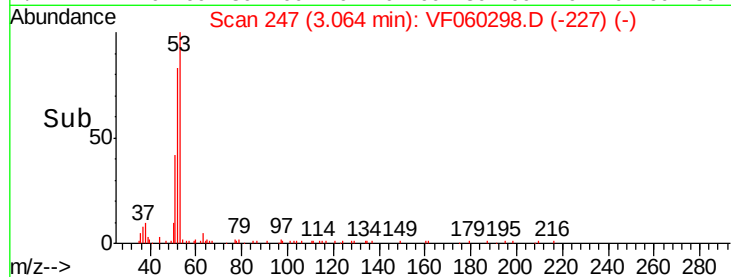
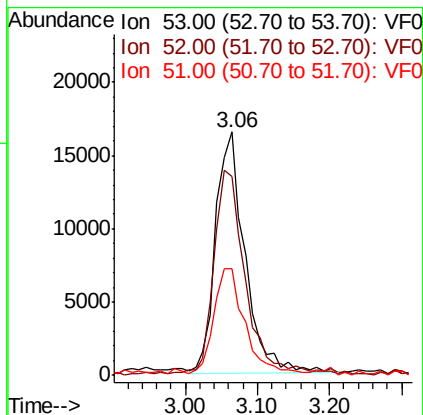
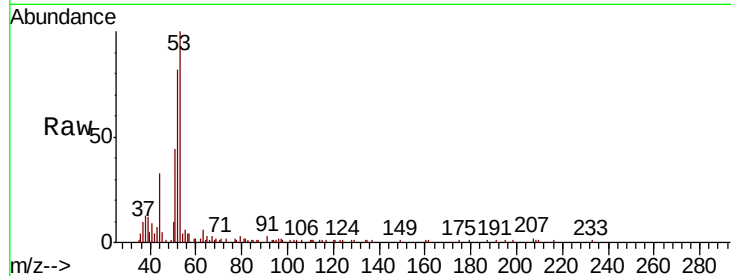
ClientSampleId :

VF0920SBS01

Tot Ion:	53	Resp:	46494
Ion	Ratio	Lower	Upper
53	100		
52	81.8	69.5	104.3
51	43.6	38.1	57.1

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#16

Acetone

Concen: 113.581 ug/l

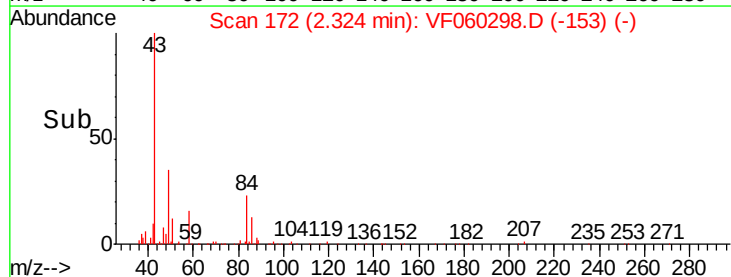
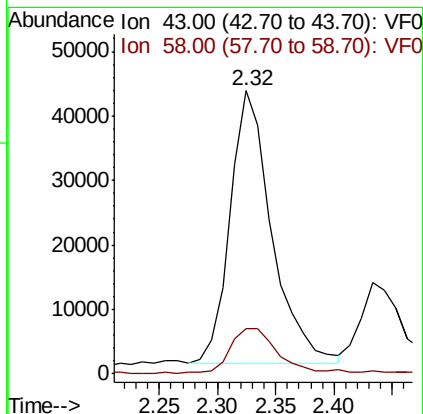
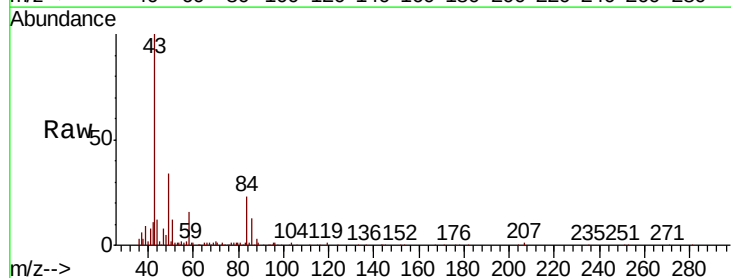
RT: 2.32 min Scan# 172

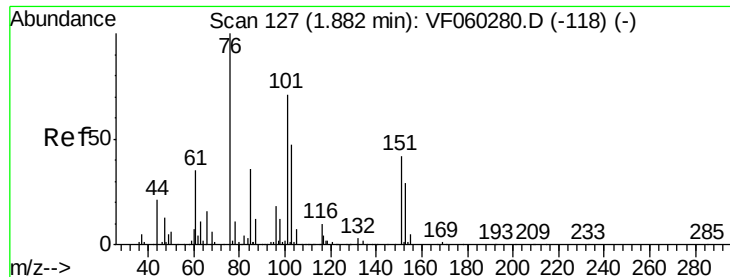
Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion:	43	Resp:	105347
Ion	Ratio	Lower	Upper
43	100		
58	15.9	14.5	21.7





#17

Carbon Disulfide

Concen: 25.899 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 76 Resp: 204366

Ion Ratio Lower Upper

76 100

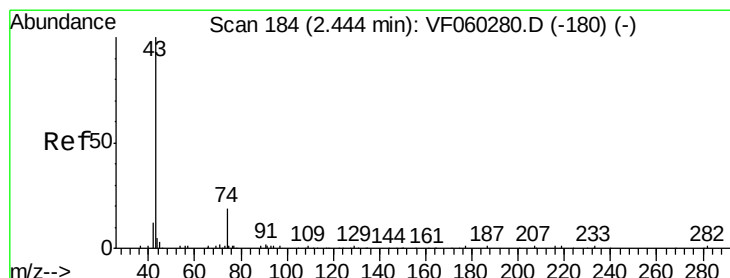
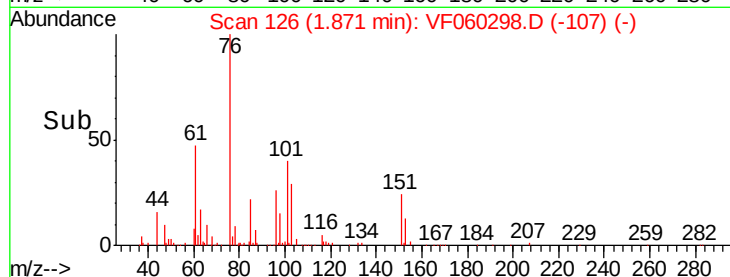
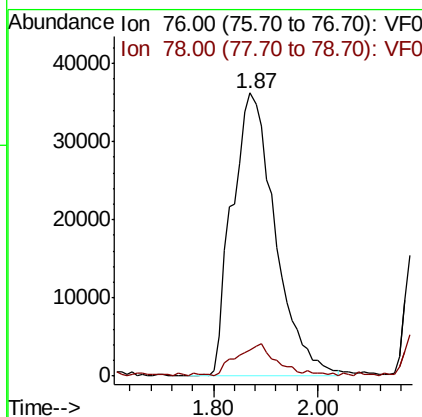
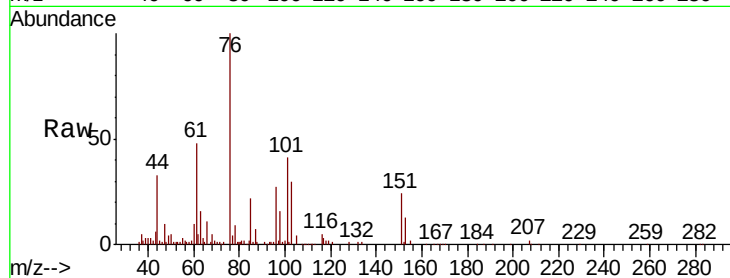
78 9.4 9.4 14.0

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#18

Methyl Acetate

Concen: 19.238 ug/l

RT: 2.43 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060298.D

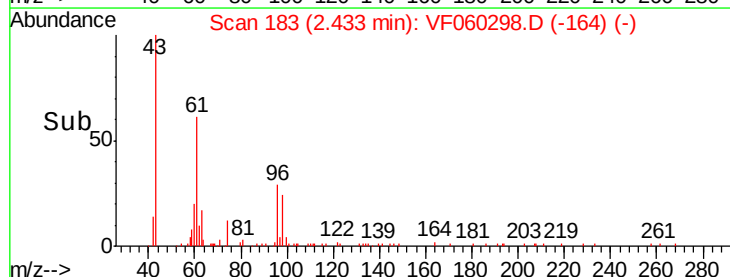
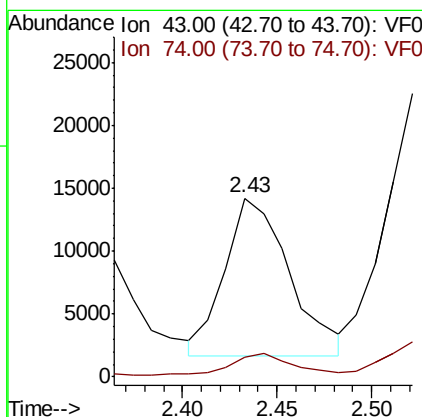
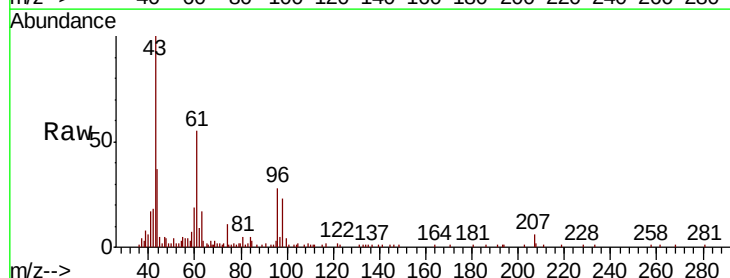
Acq: 20 Sep 2018 12:49

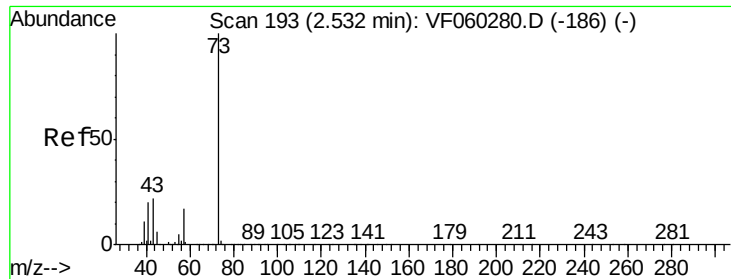
Tgt Ion: 43 Resp: 29726

Ion Ratio Lower Upper

43 100

74 11.0 12.7 19.1#





#19

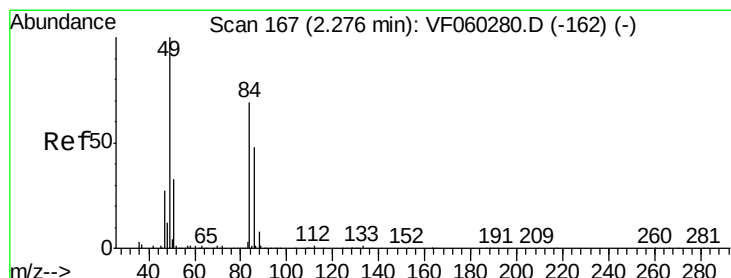
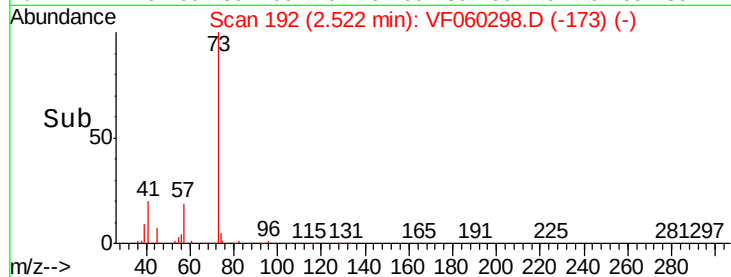
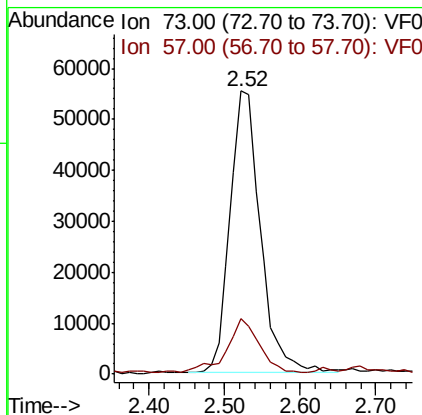
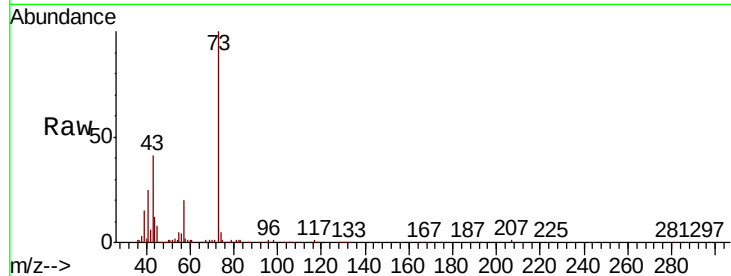
Methyl tert-butyl Ether
 Concen: 22.316 ug/l
 RT: 2.52 min Scan# 192
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.7	14.5	21.7

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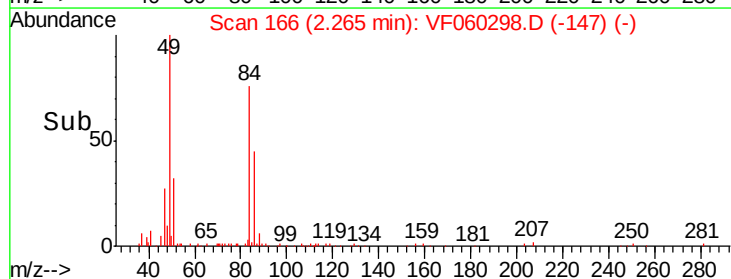
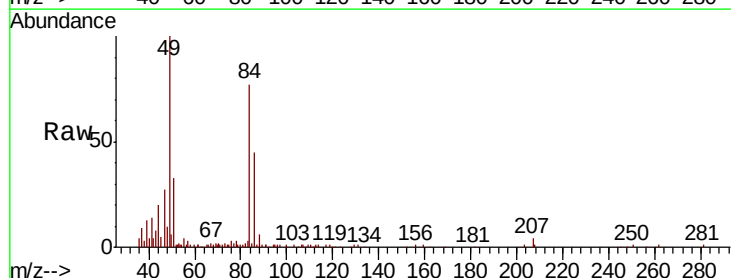
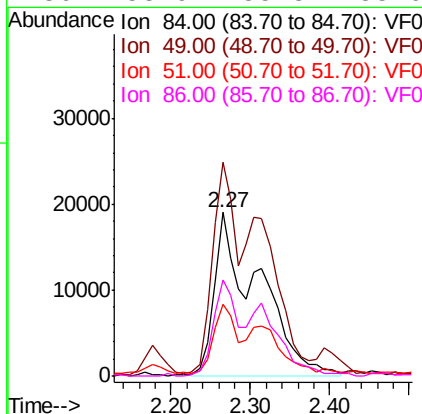
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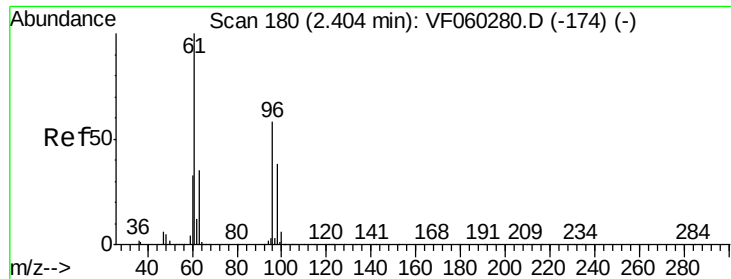


#20

Methylene Chloride
 Concen: 25.740 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.5	118.3	177.5
51	43.7	38.7	58.1
86	58.9	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 22.224 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.00 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

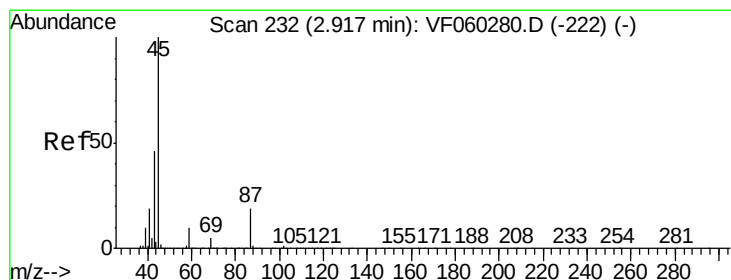
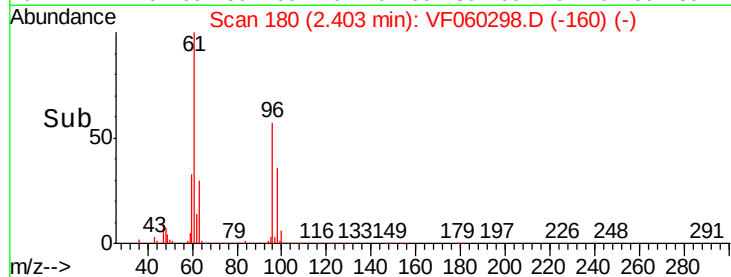
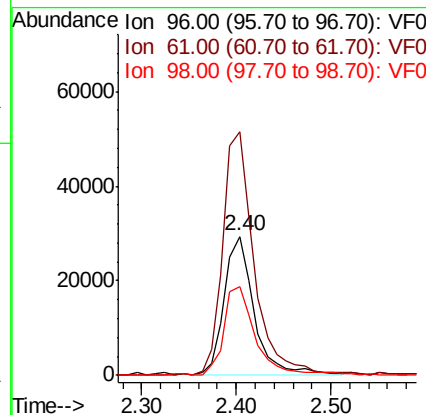
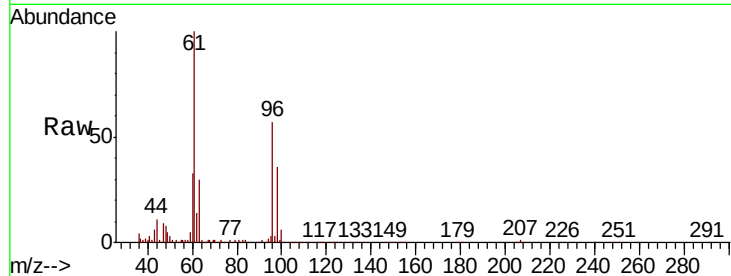
ClientSampleId :

VF0920SBS01

Tot Ion:	96	Resp:	63888
Ion	Ratio	Lower	Upper
96	100		
61	175.3	136.4	204.6
98	63.9	51.8	77.6

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#22

Diisopropyl ether

Concen: 20.961 ug/l

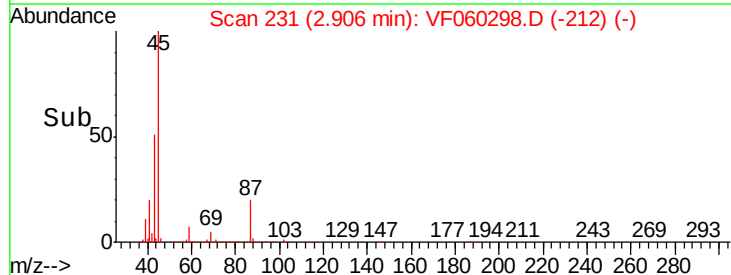
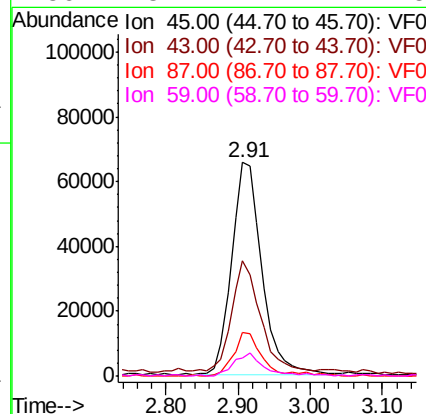
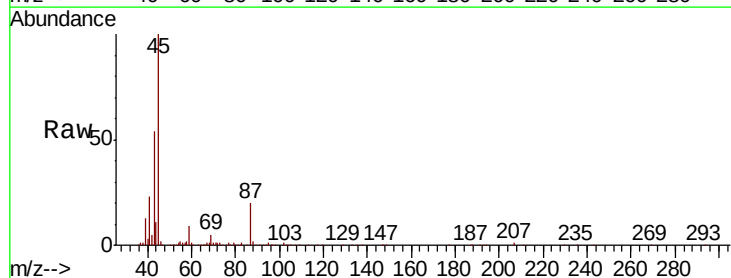
RT: 2.91 min Scan# 231

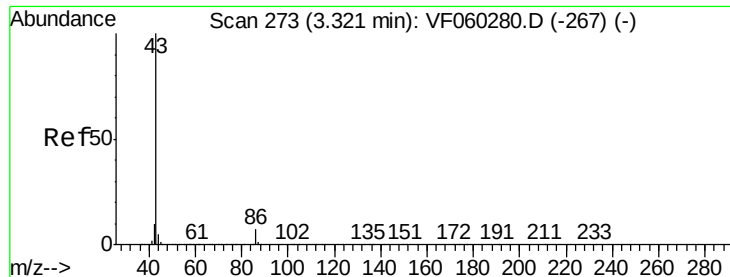
Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion:	45	Resp:	192093
Ion	Ratio	Lower	Upper
45	100		
43	54.1	38.2	57.2
87	20.2	15.5	23.3
59	8.7	7.7	11.5





#23

Vinyl Acetate

Concen: 104.269 ug/l

RT: 3.31 min Scan# 272

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 43 Resp: 375287

Ion Ratio Lower Upper

43 100

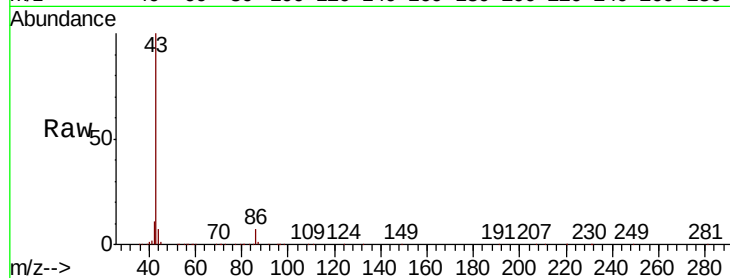
86 7.5 5.9 8.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.31

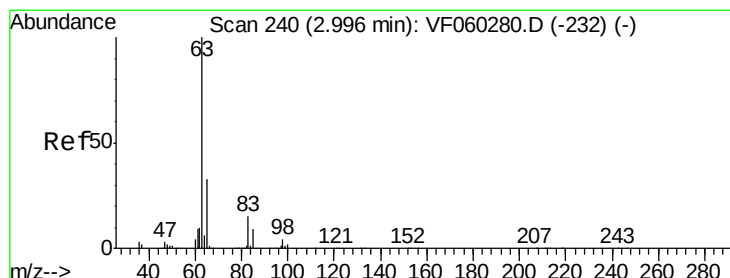
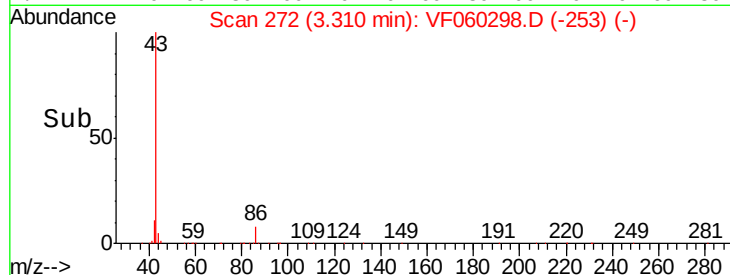
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.550 ug/l

RT: 2.98 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

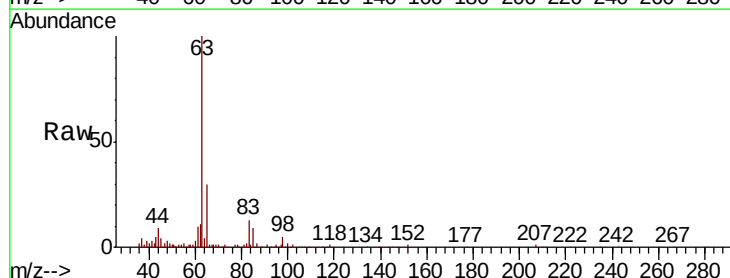
Tgt Ion: 63 Resp: 128076

Ion Ratio Lower Upper

63 100

98 5.4 2.1 6.5

100 2.4 1.1 3.3



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

2.98

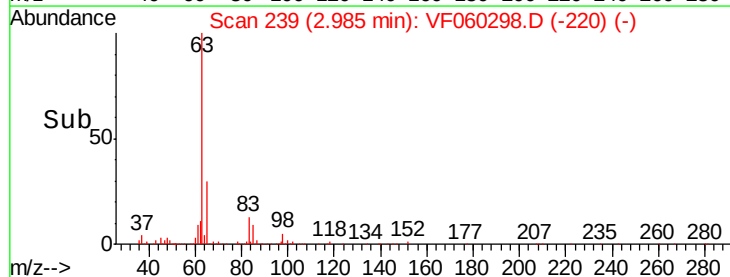
60000

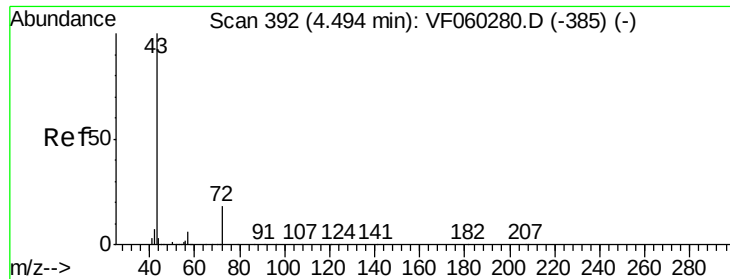
40000

20000

0

Time-->





#25

2-Butanone

Concen: 104.607 ug/l

RT: 4.48 min Scan# 391

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 43 Resp: 130594

Ion Ratio Lower Upper

43 100

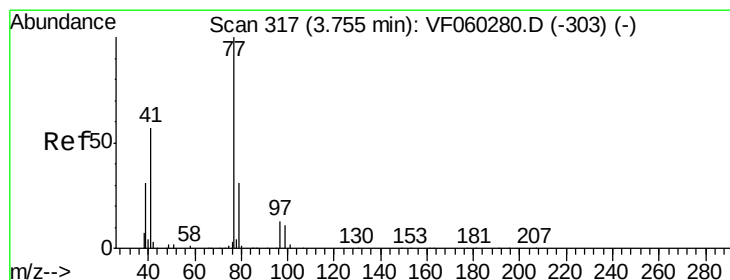
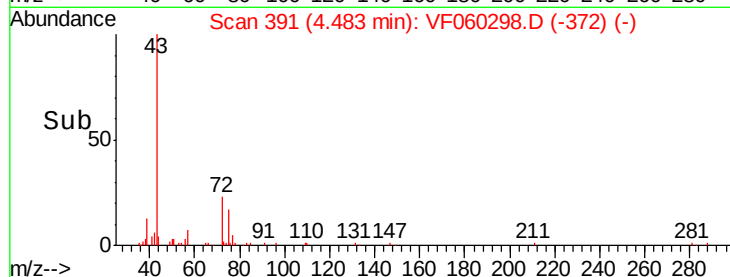
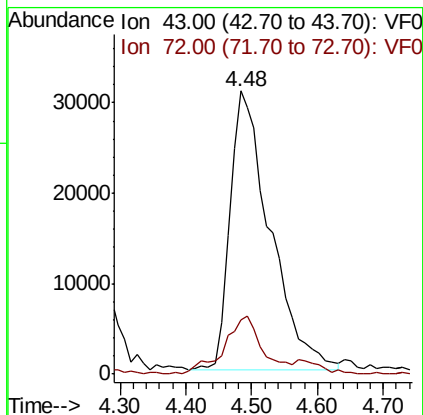
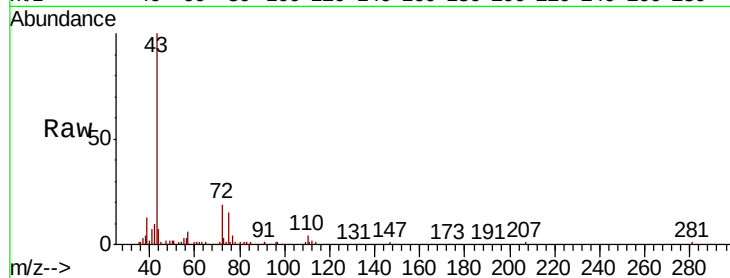
72 19.1 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 23.394 ug/l

RT: 3.74 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060298.D

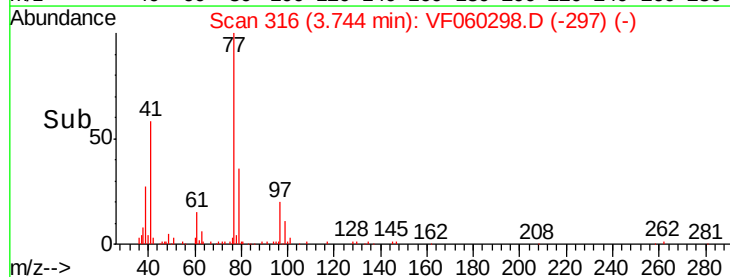
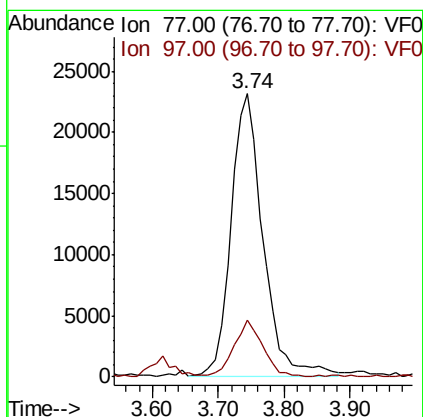
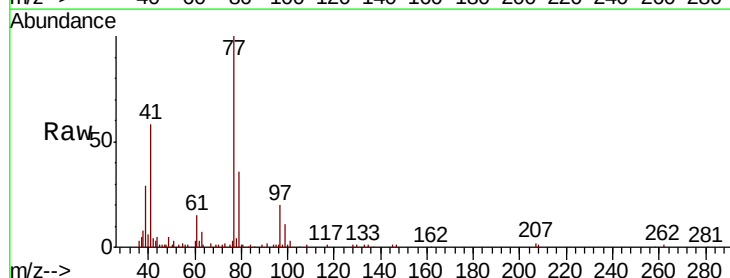
Acq: 20 Sep 2018 12:49

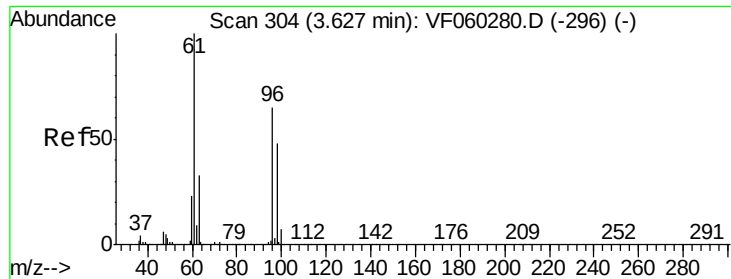
Tgt Ion: 77 Resp: 79333

Ion Ratio Lower Upper

77 100

97 20.2 9.3 27.9





#27

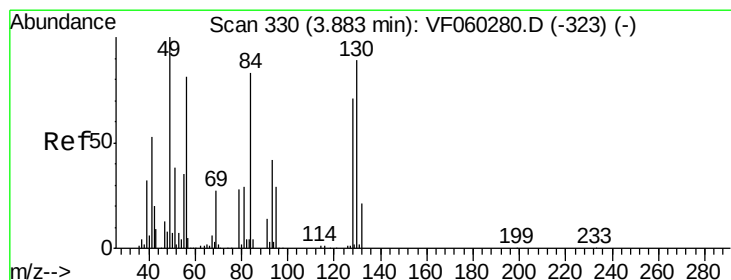
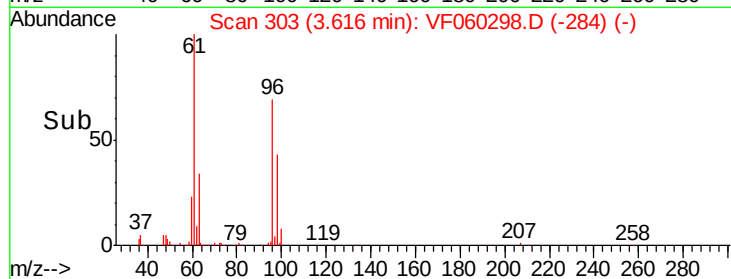
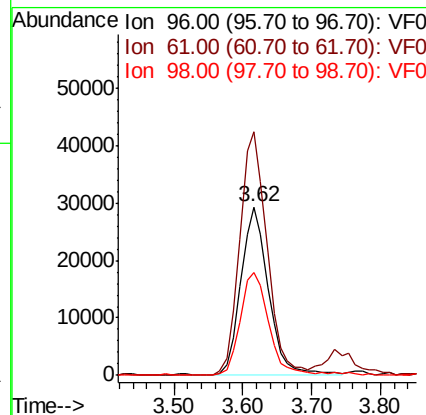
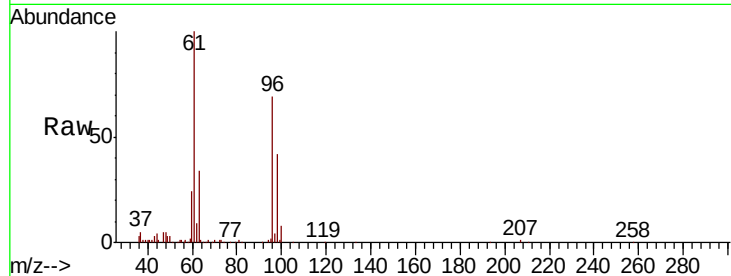
cis-1,2-Dichloroethene
Concen: 21.765 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	304.8
98	61.3	0.0	146.4

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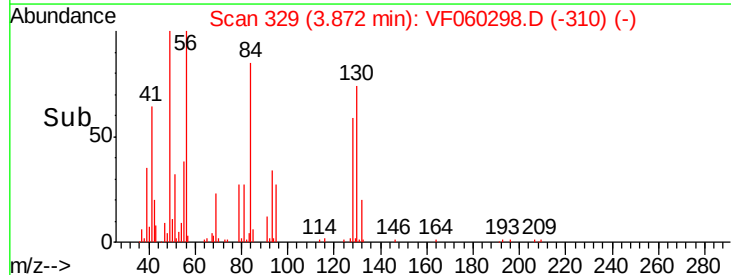
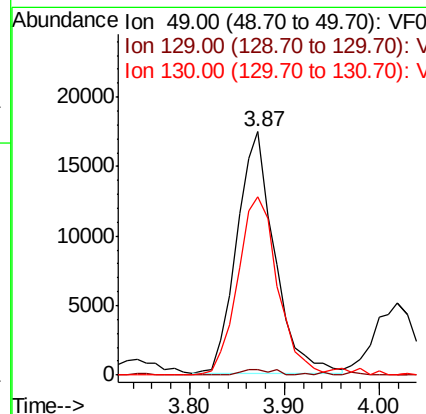
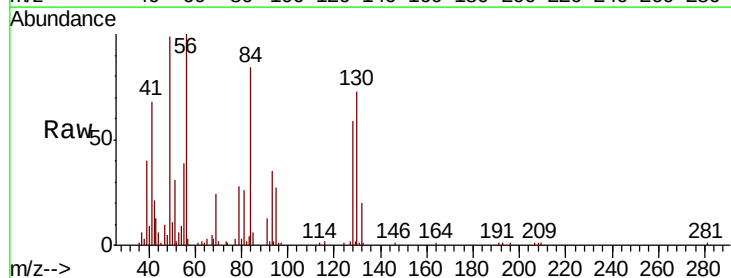
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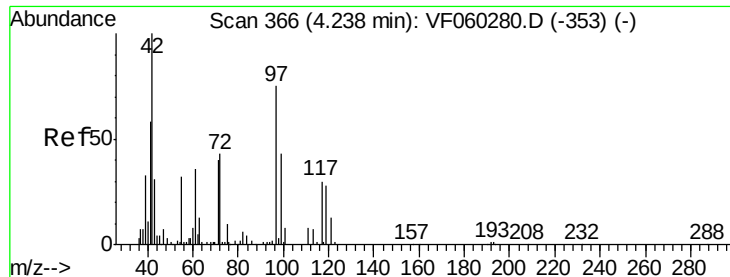


#28

Bromochloromethane
Concen: 20.634 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	73.2	70.3	105.5





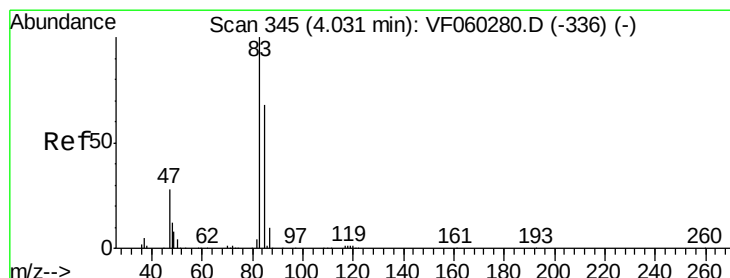
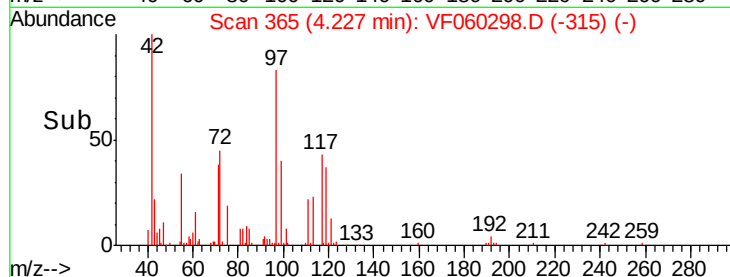
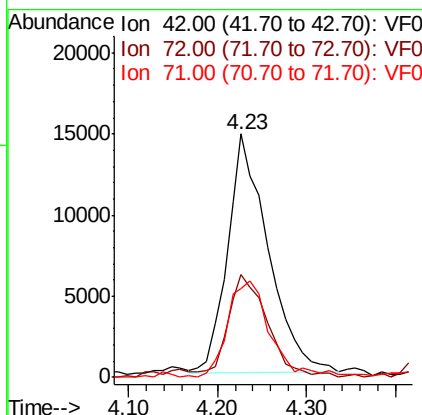
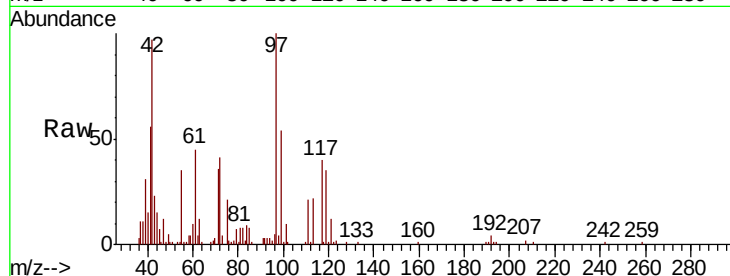
#29
Tetrahydrofuran
Concen: 102.171 ug/l
RT: 4.23 min Scan# 365
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.6	49.0
71	43.2	32.7	49.1

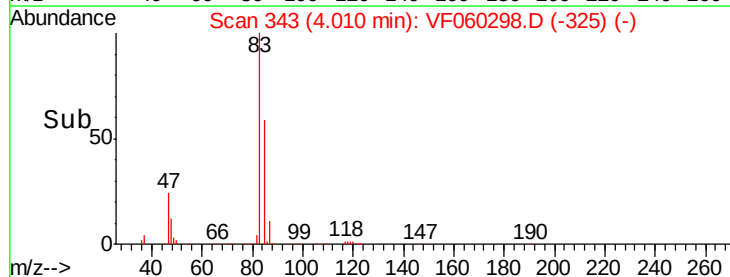
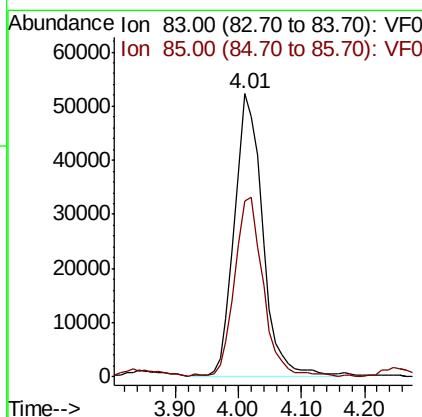
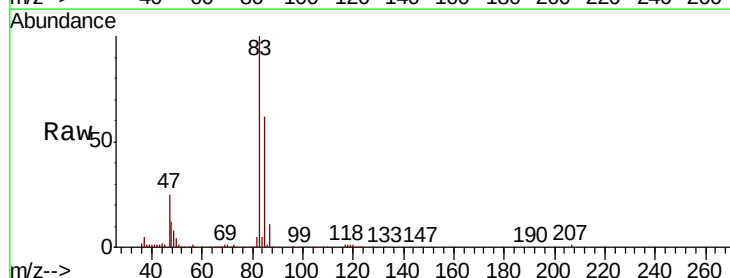
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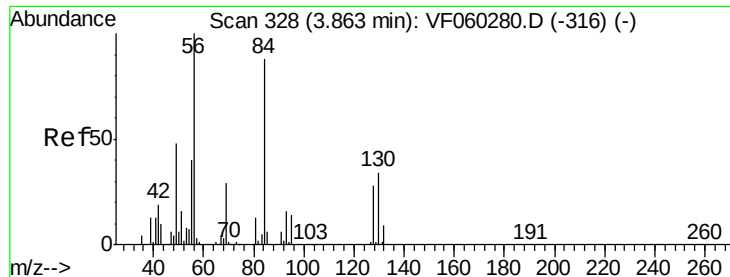
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#30
Chloroform
Concen: 22.734 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.02 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	54.9	82.3





#31

Cyclohexane

Concen: 21.278 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

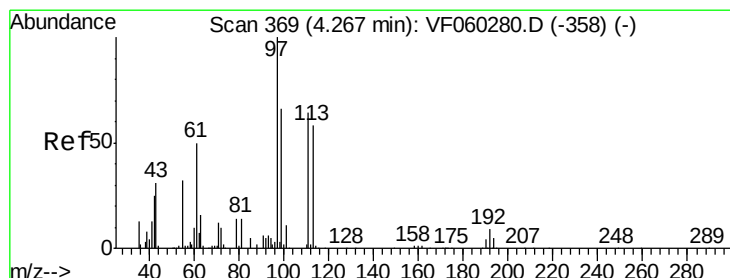
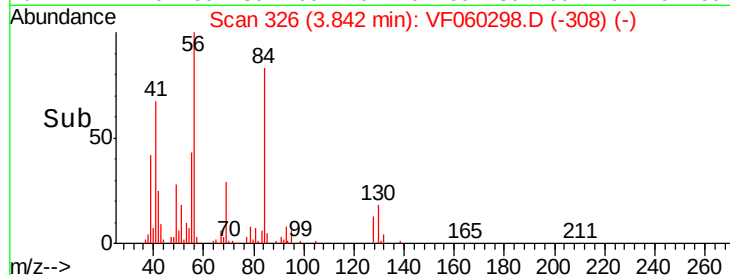
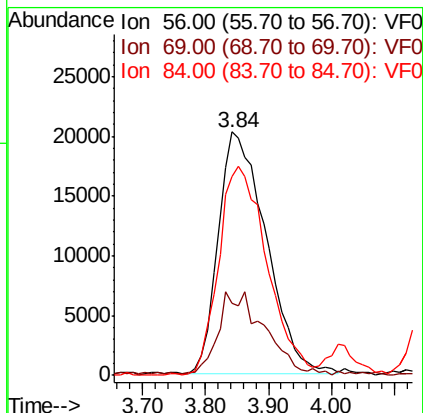
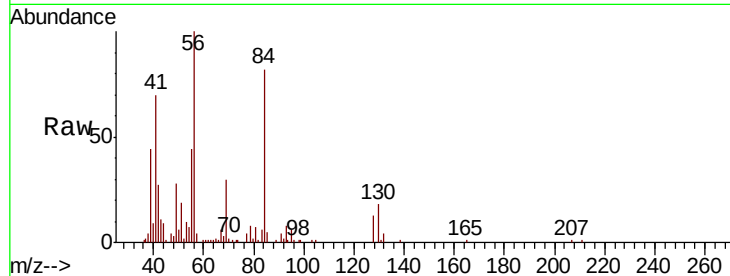
ClientSampleId :

VF0920SBS01

Tot Ion:	56	Resp:	106820
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.6
84	81.8	70.2	105.4

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#32

1,1,1-Trichloroethane

Concen: 23.455 ug/l

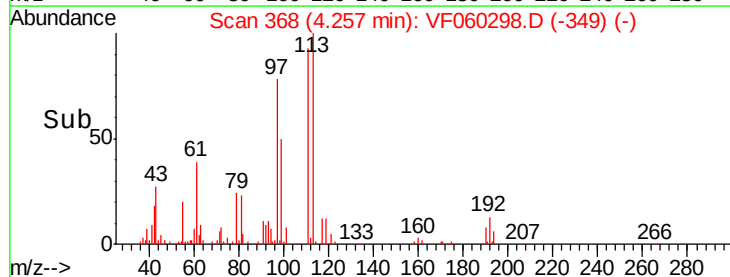
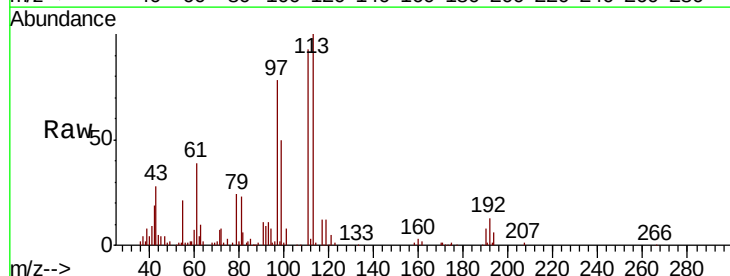
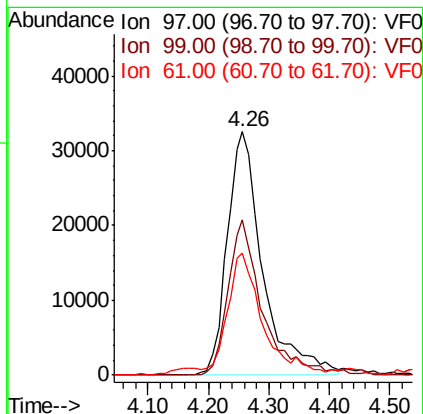
RT: 4.26 min Scan# 368

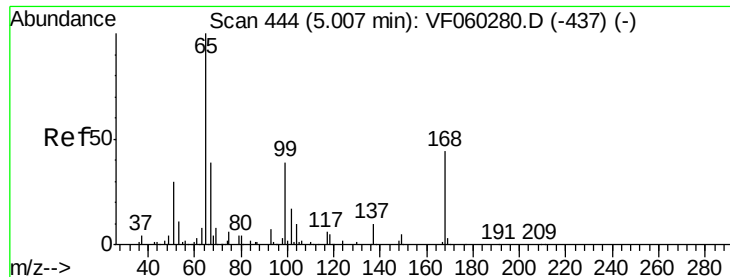
Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion:	97	Resp:	132717
Ion	Ratio	Lower	Upper
97	100		
99	64.0	53.0	79.4
61	49.9	40.6	61.0





#33

1,2-Dichloroethane-d4

Concen: 50.487 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF060298.D

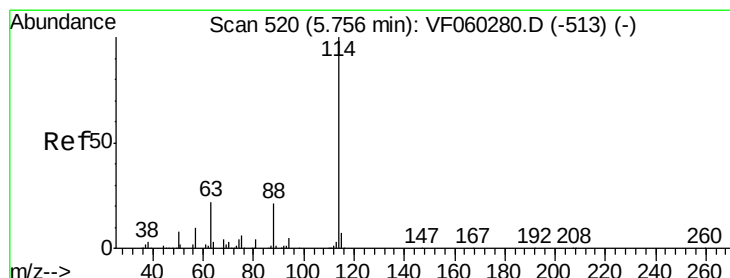
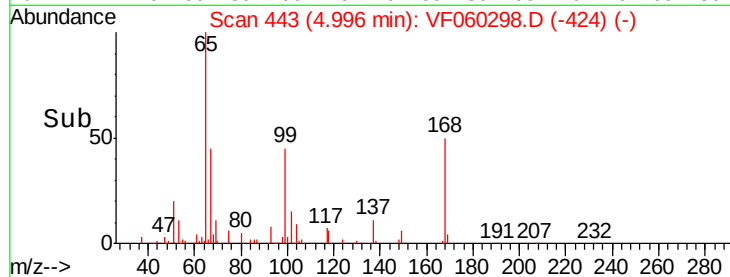
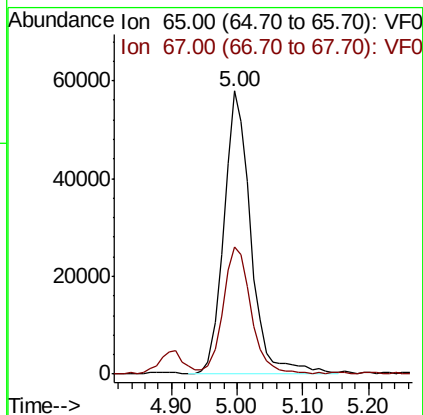
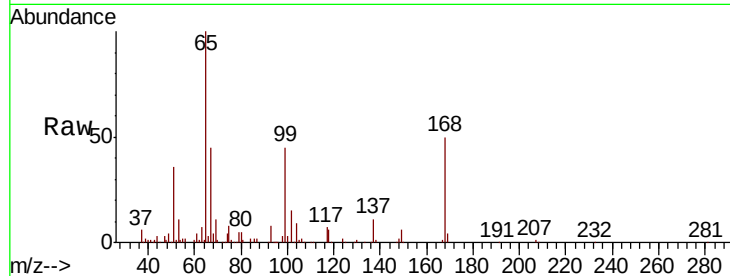
Acq: 20 Sep 2018 12:49

Tot Ion:	65	Resp:	166277
Ion Ratio	Lower	Upper	
65	100		
67	45.0	0.0	94.4

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

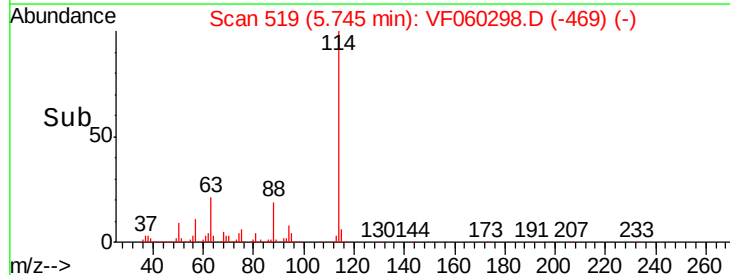
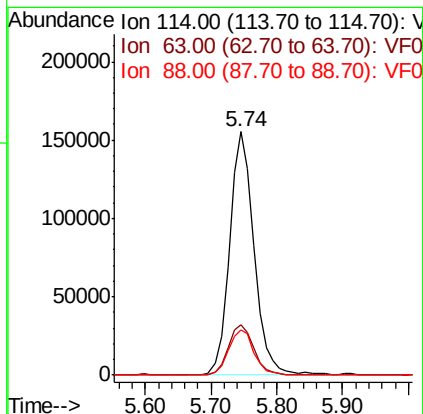
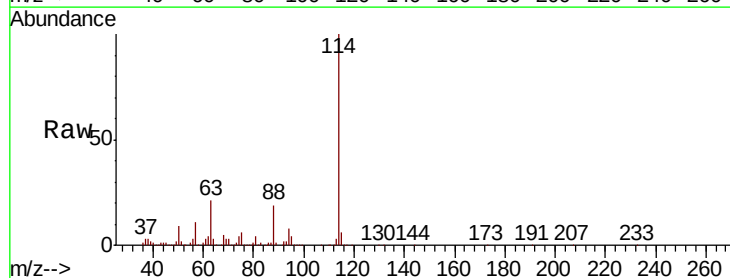
RT: 5.74 min Scan# 519

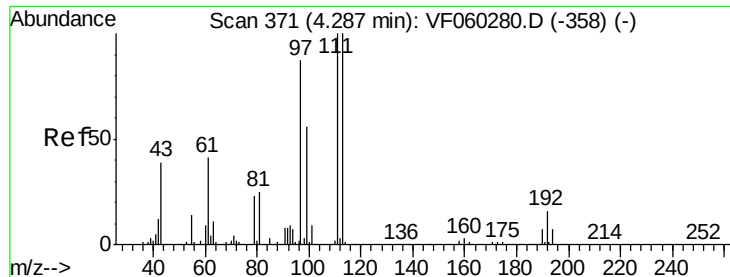
Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion:	114	Resp:	406391
Ion Ratio	Lower	Upper	
114	100		
63	20.8	0.0	43.8
88	18.6	0.0	41.2





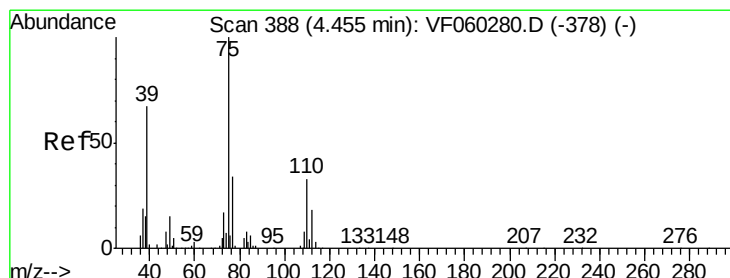
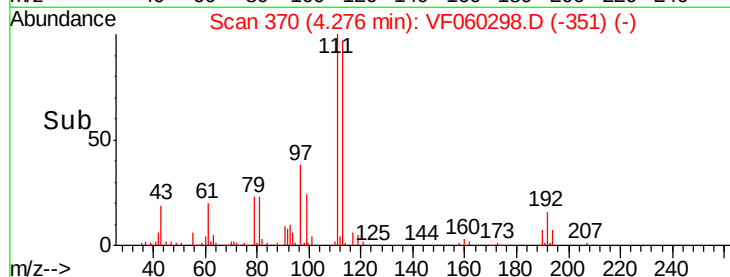
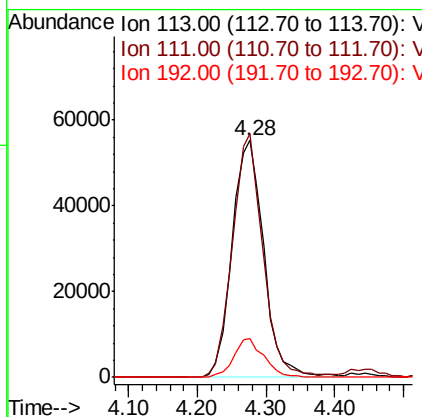
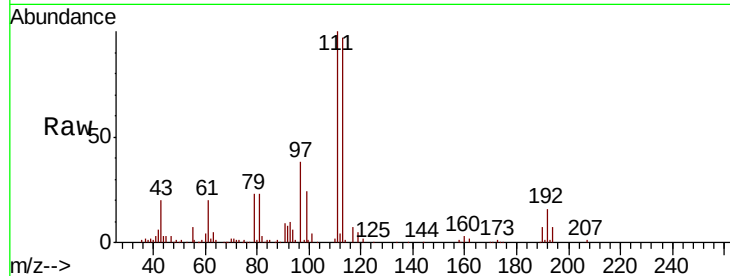
#35
 Dibromofluoromethane
 Concen: 48.641 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176211		
111	102.8	79.6	119.4	
192	16.3	13.0	19.6	

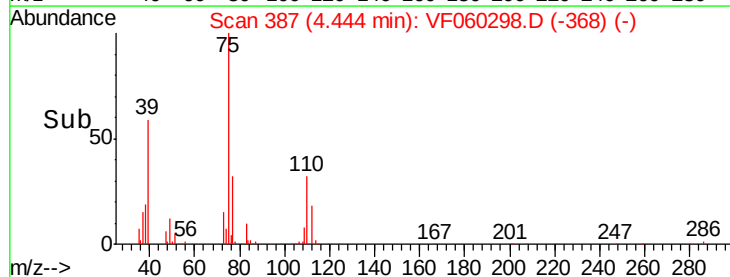
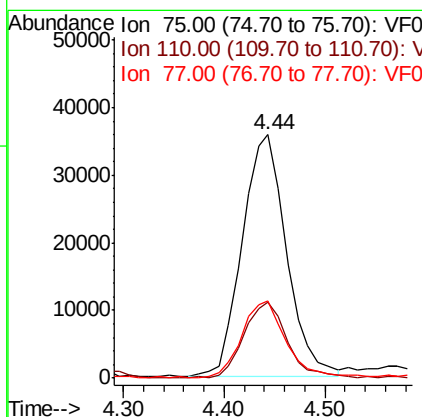
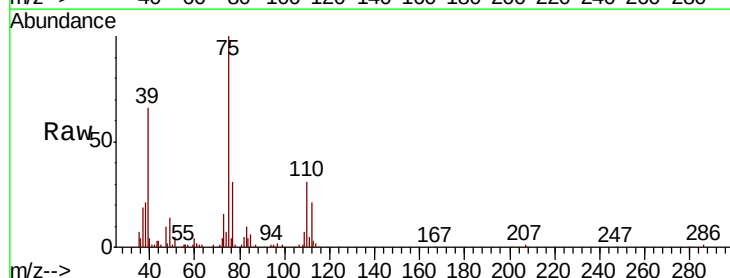
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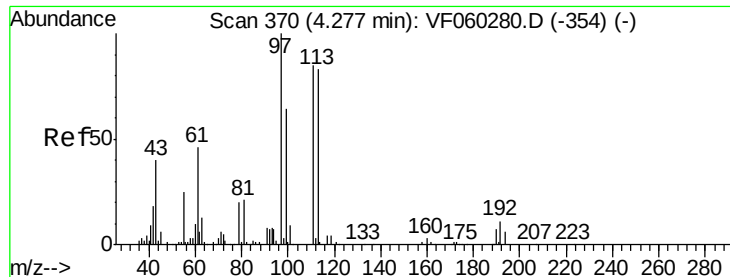
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#36
 1,1-Dichloropropene
 Concen: 21.532 ug/l
 RT: 4.44 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	109149		
110	31.0	16.4	49.2	
77	31.5	27.3	40.9	





#37

Ethyl Acetate

Concen: 23.879 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

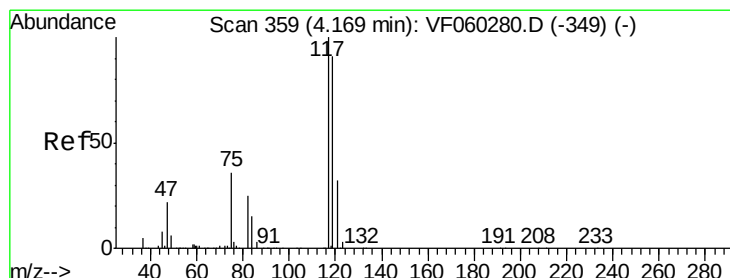
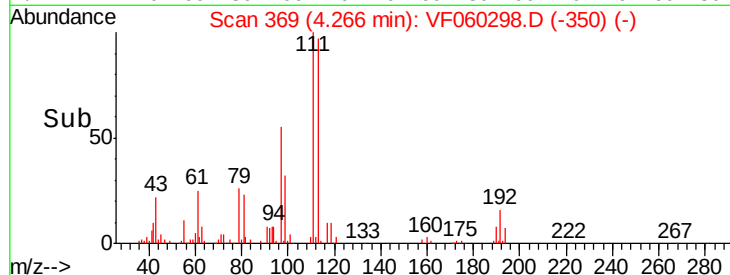
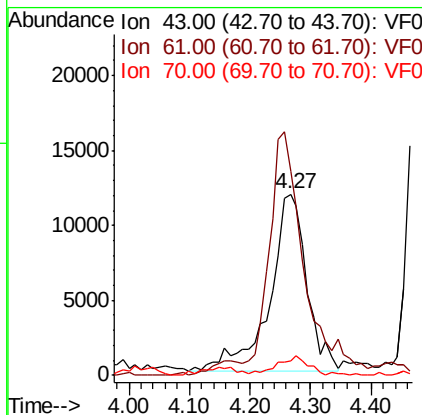
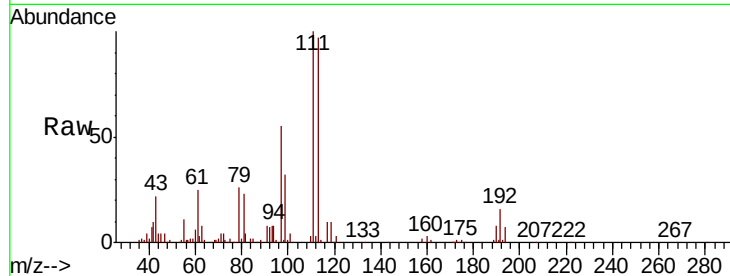
ClientSampleId :

VF0920SBS01

Tot Ion:	43	Resp:	51219
Ion	Ratio	Lower	Upper
43	100		
61	112.9	91.1	136.7
70	8.0	6.9	10.3

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#38

Carbon Tetrachloride

Concen: 23.058 ug/l m

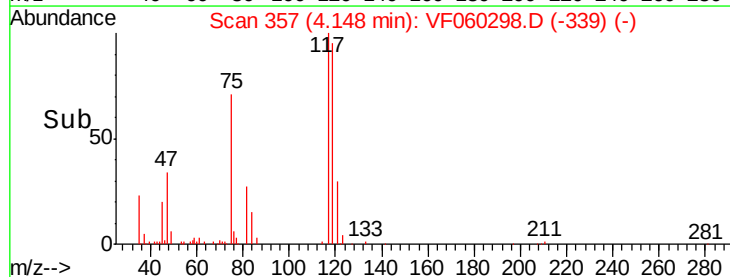
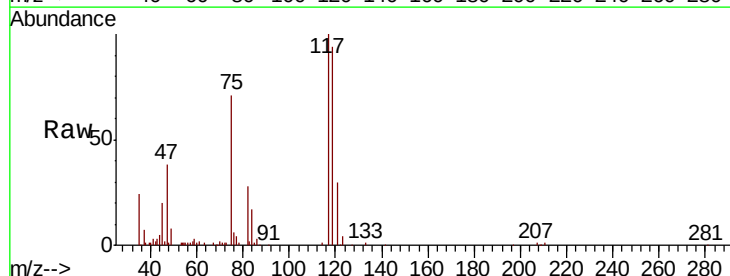
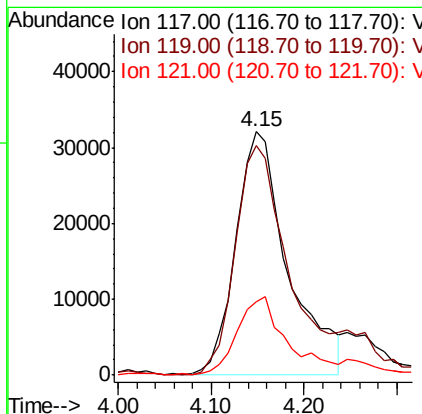
RT: 4.15 min Scan# 357

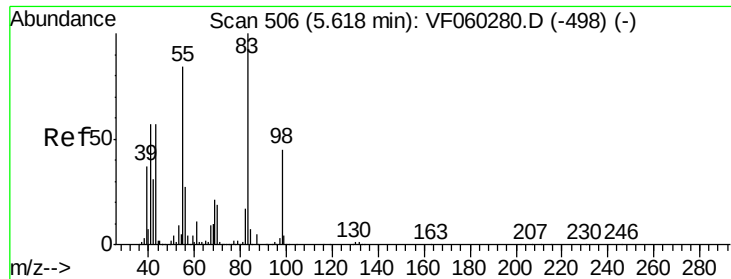
Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion:	117	Resp:	125549
Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.0	109.6
121	30.4	25.4	38.2





#39

Methylvlcyclohexane

Concen: 22.739 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

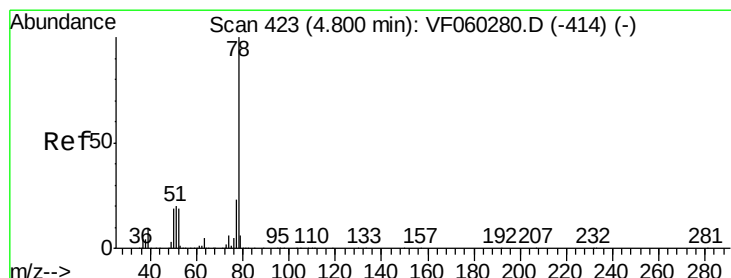
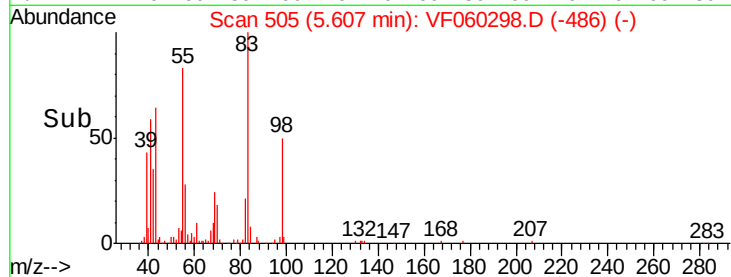
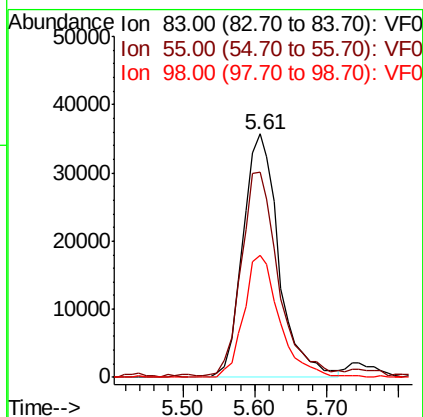
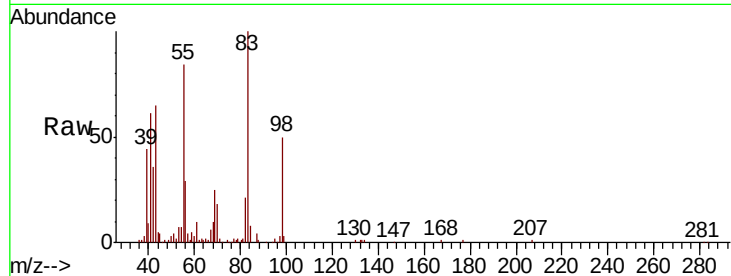
ClientSampleId :

VF0920SBS01

Tot Ion:	83	Resp:	124925
Ion	Ratio	Lower	Upper
83	100		
55	84.4	67.3	100.9
98	49.9	36.1	54.1

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#40

Benzene

Concen: 21.002 ug/l

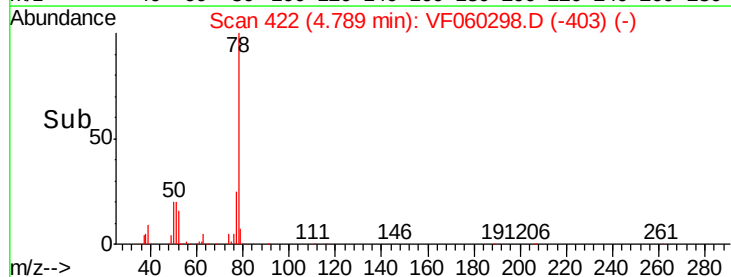
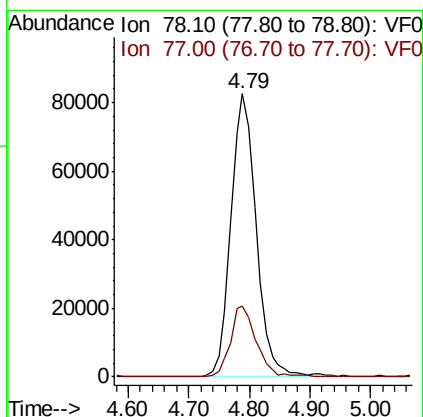
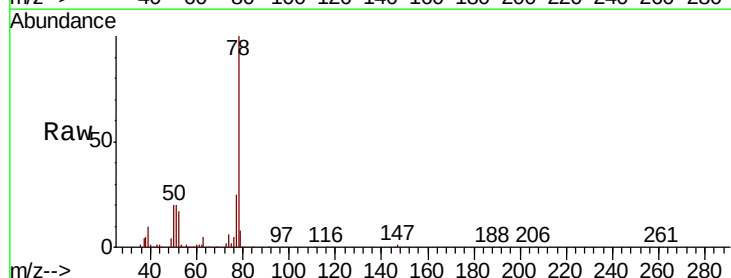
RT: 4.79 min Scan# 422

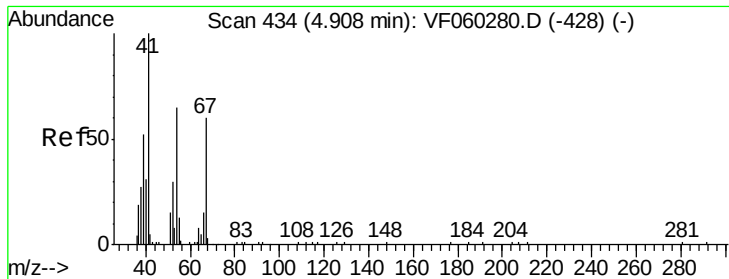
Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion:	78	Resp:	241407
Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.4	27.6





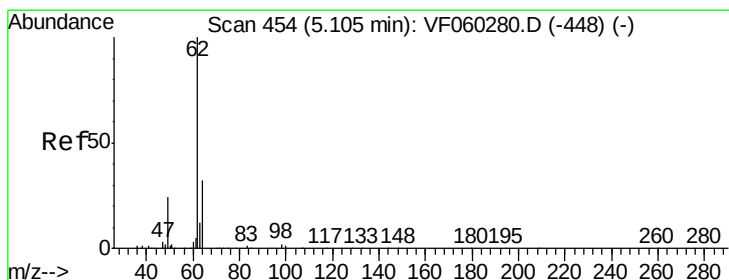
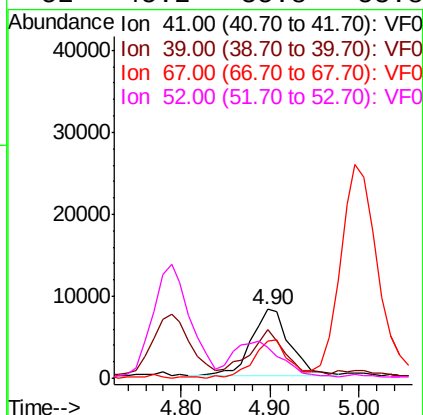
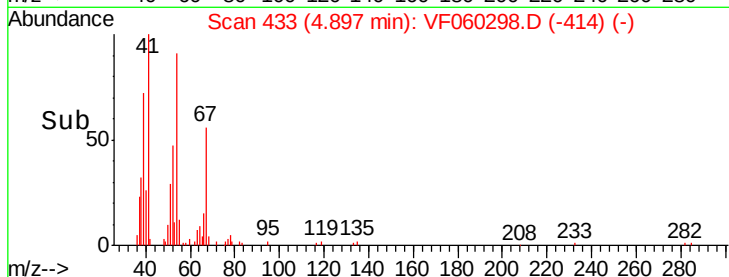
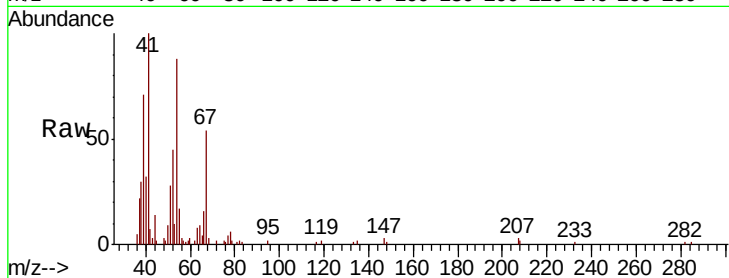
#41
Methacrylonitrile
Concen: 20.551 ug/l
RT: 4.90 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.6	49.1	73.7
67	53.7	48.2	72.4
52	45.2	35.8	53.8

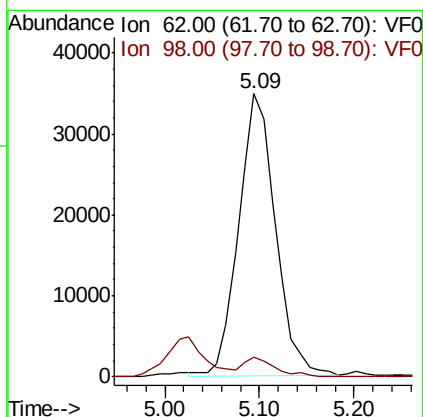
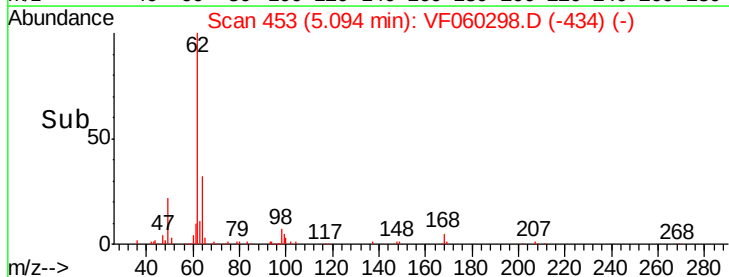
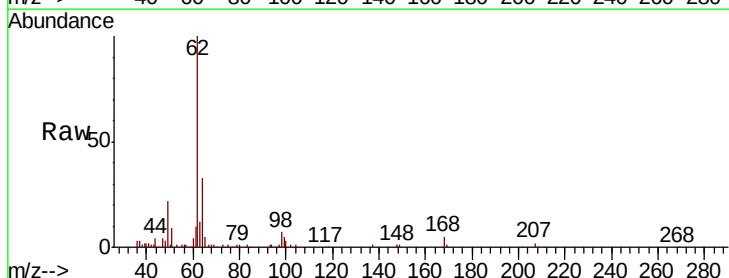
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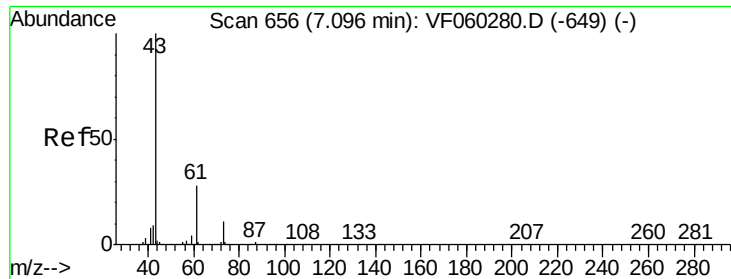
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#42
1,2-Dichloroethane
Concen: 22.087 ug/l
RT: 5.09 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	14.4





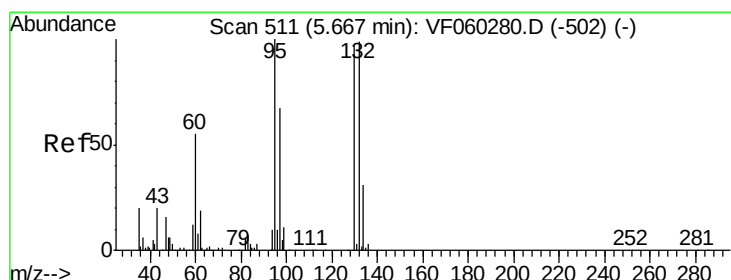
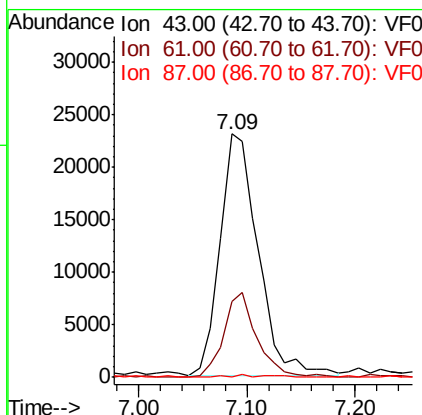
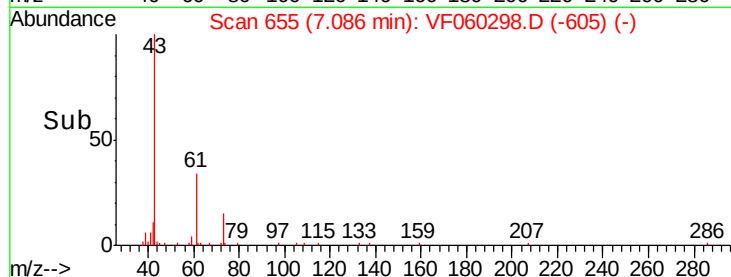
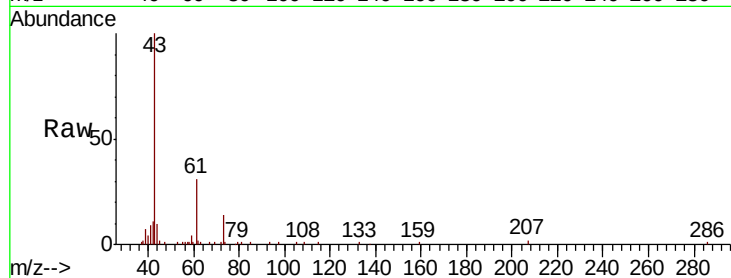
#43
Isopropyl Acetate
Concen: 21.728 ug/l
RT: 7.09 min Scan# 655
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.0	22.4	33.6
87	0.0	0.6	0.8

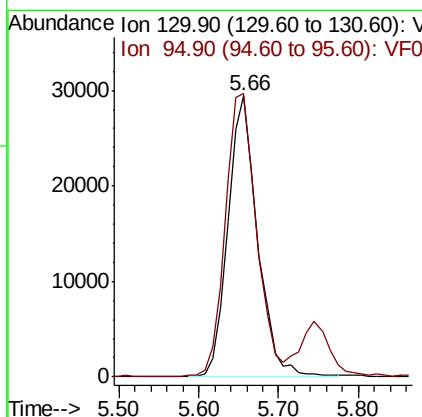
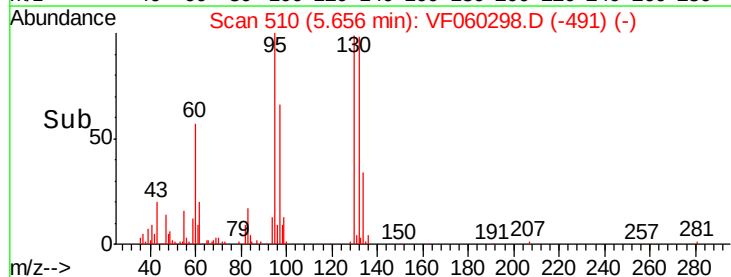
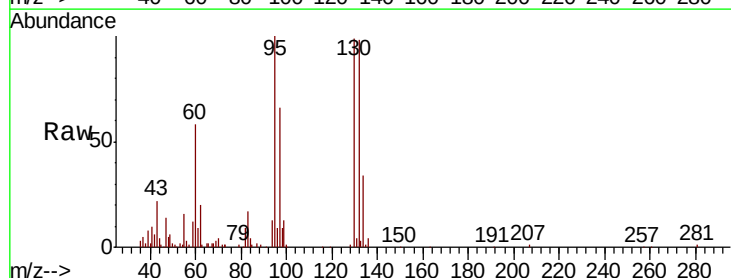
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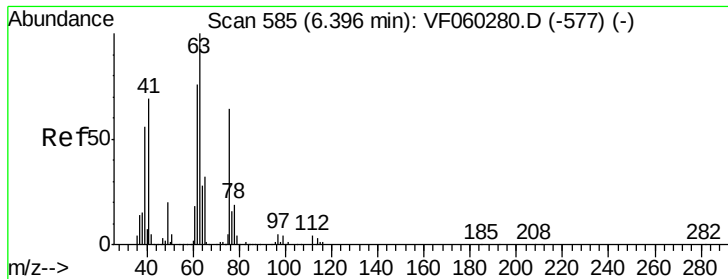
apatel
9/21/2018 11:04:59 AM



#44
Trichloroethene
Concen: 22.282 ug/l
RT: 5.66 min Scan# 510
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	205.6





#45

1,2-Dichloropropane

Concen: 20.544 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 63 Resp: 61115

Ion Ratio Lower Upper

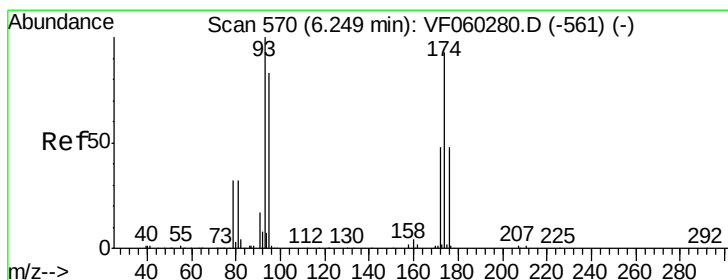
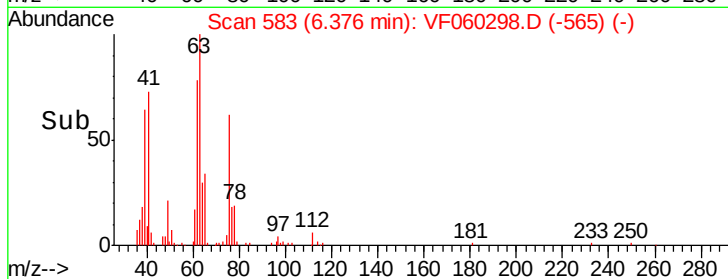
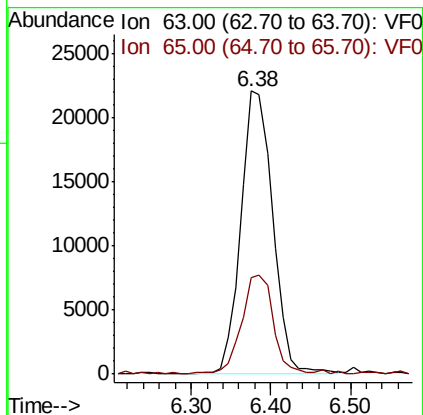
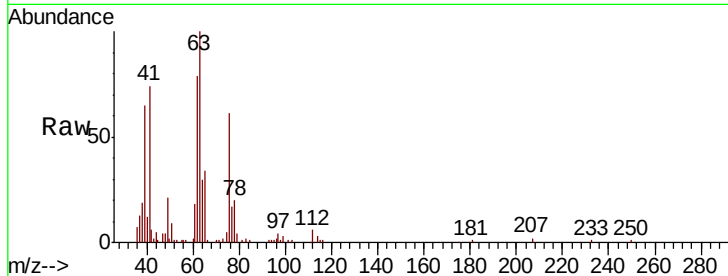
63 100

65 34.1 26.2 39.4

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#46

Dibromomethane

Concen: 21.416 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

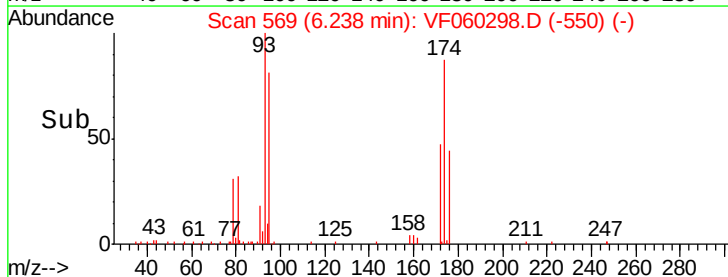
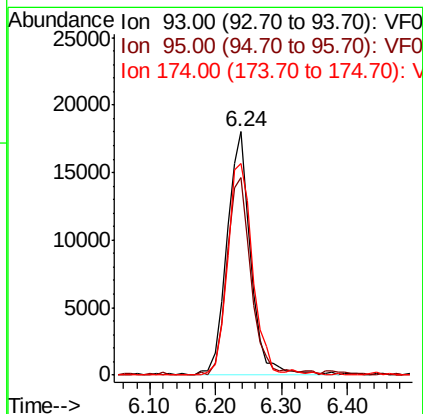
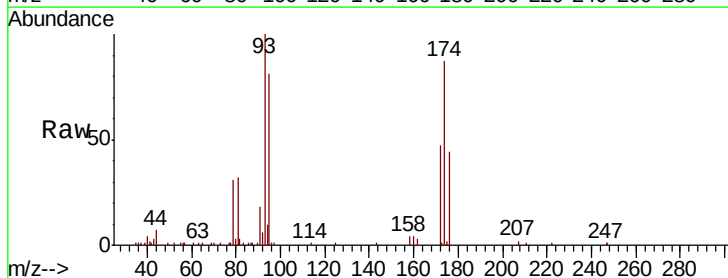
Tgt Ion: 93 Resp: 45539

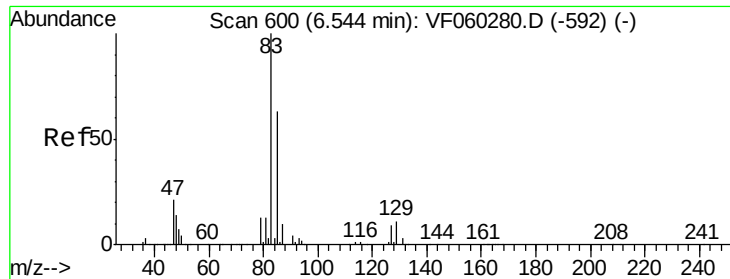
Ion Ratio Lower Upper

93 100

95 81.0 67.0 100.6

174 86.7 74.8 112.2





#47

Bromodichloromethane

Concen: 22.240 ug/l

RT: 6.52 min Scan# 598

Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

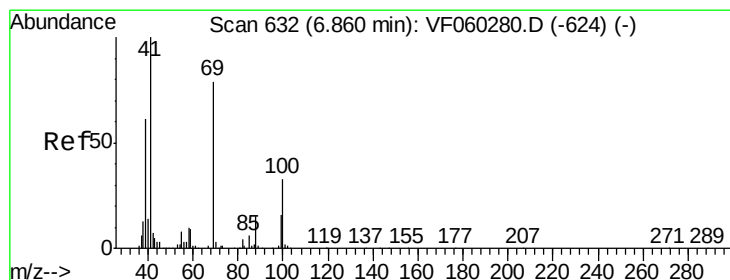
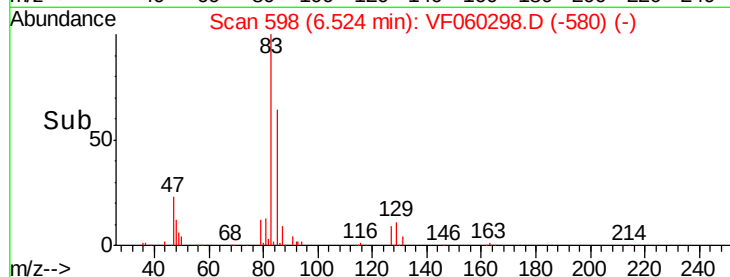
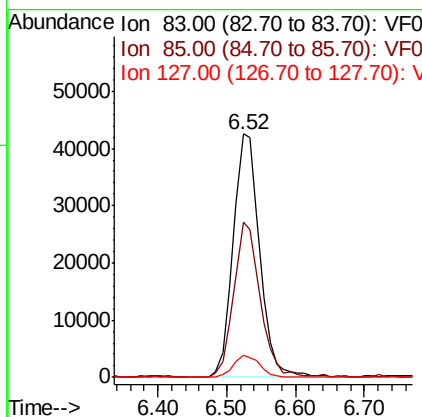
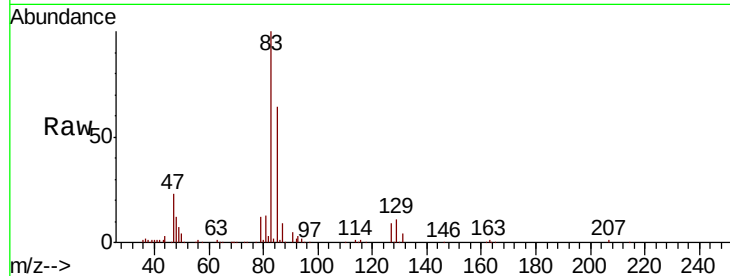
ClientSampleId :

VF0920SBS01

Tot Ion:	83	Resp:	113646
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	76.0
127	9.1	7.1	10.7

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#48

Methyl methacrylate

Concen: 19.623 ug/l

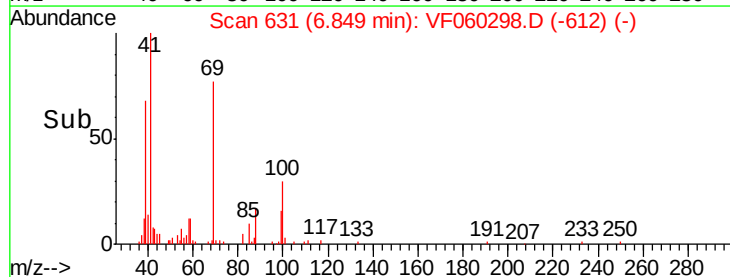
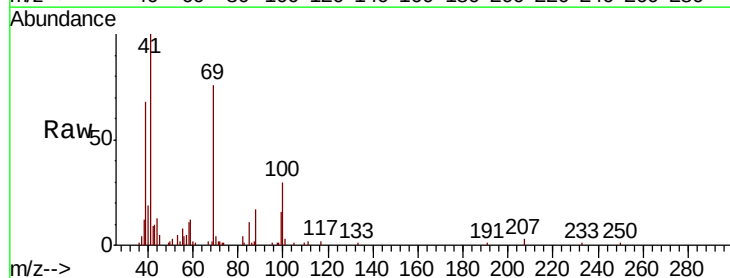
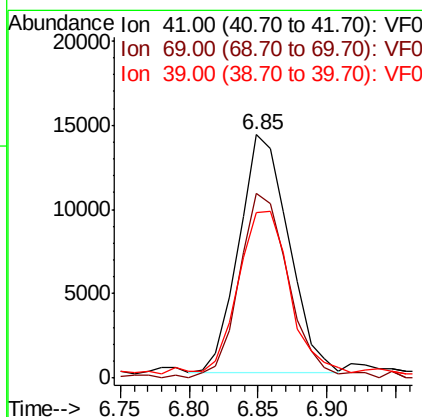
RT: 6.85 min Scan# 631

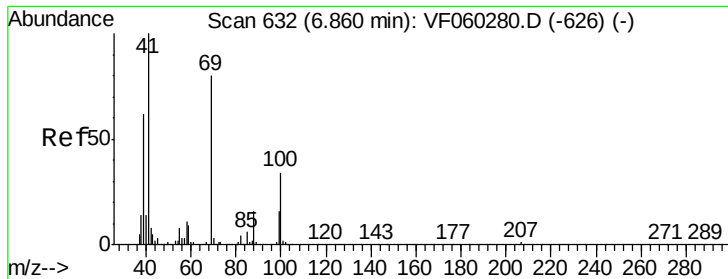
Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion:	41	Resp:	35569
Ion	Ratio	Lower	Upper
41	100		
69	75.6	62.6	94.0
39	67.9	49.1	73.7





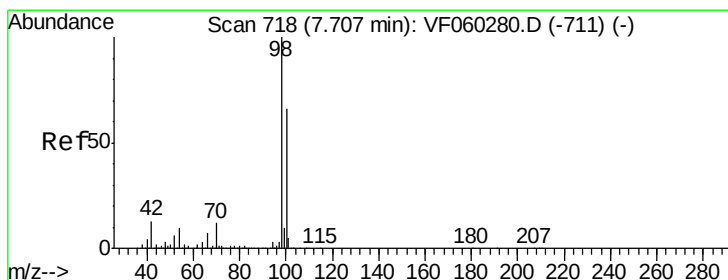
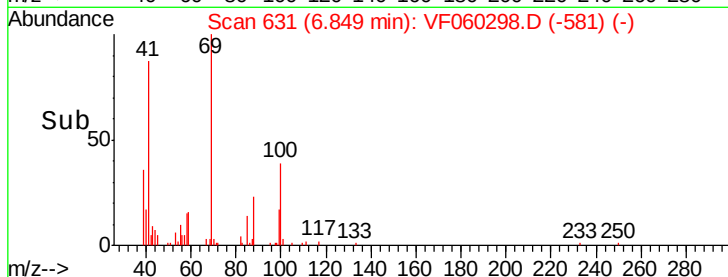
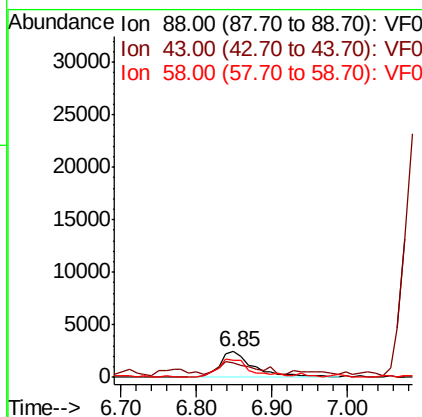
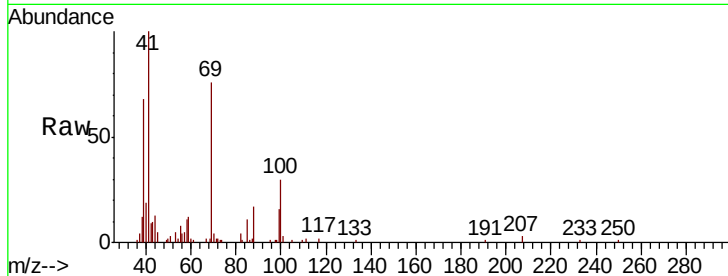
#49
1,4-Dioxane
Concen: 480.309 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	57.8	40.2	60.4
58	66.7	56.7	85.1

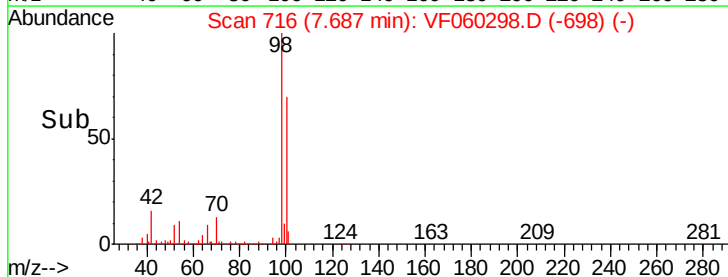
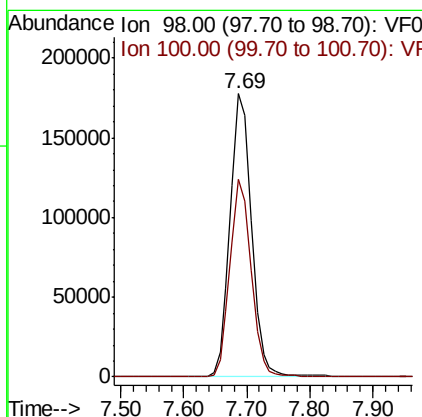
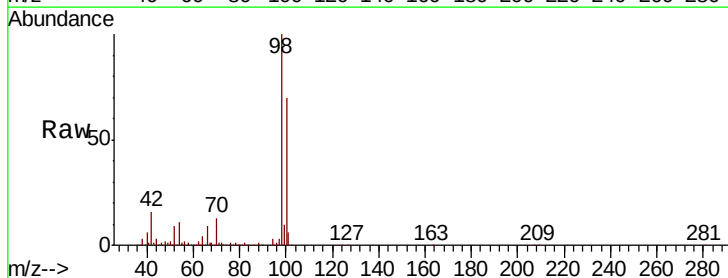
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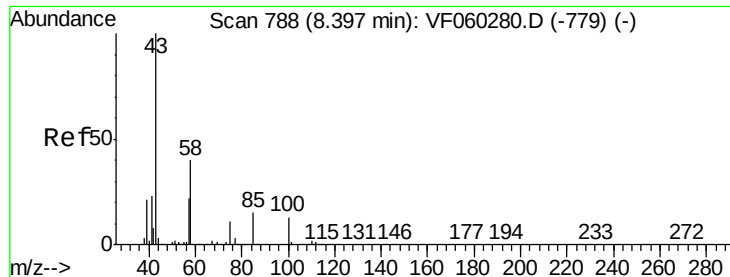
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#50
Toluene-d8
Concen: 44.407 ug/l
RT: 7.69 min Scan# 716
Delta R.T. -0.02 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.7	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 102.087 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleID :

VF0920SBS01

Tot Ion: 43 Resp: 203171

Ion Ratio Lower Upper

43 100

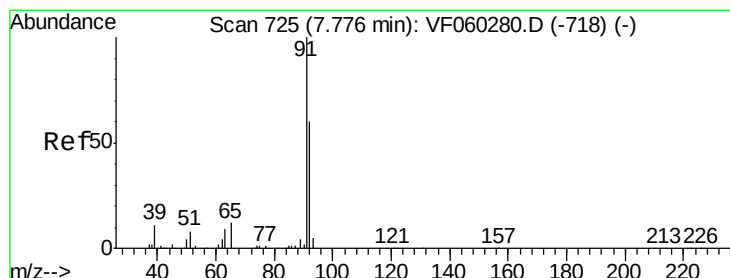
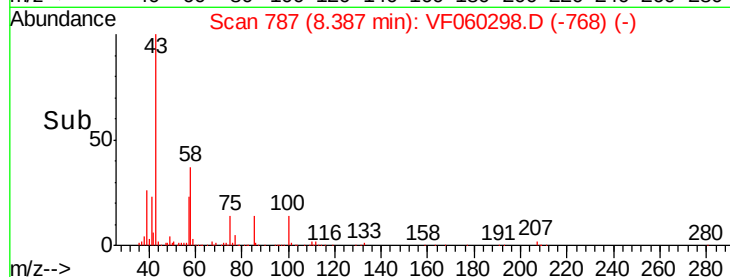
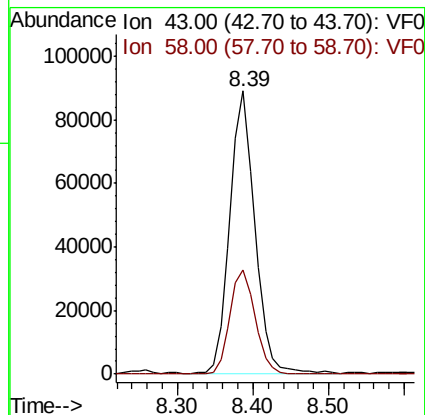
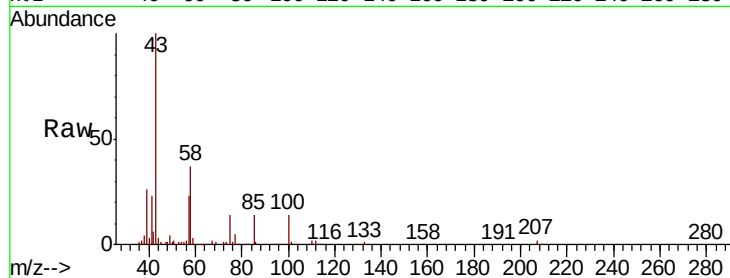
58 36.6 31.8 47.8

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#52

Toluene

Concen: 20.662 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.02 min

Lab File: VF060298.D

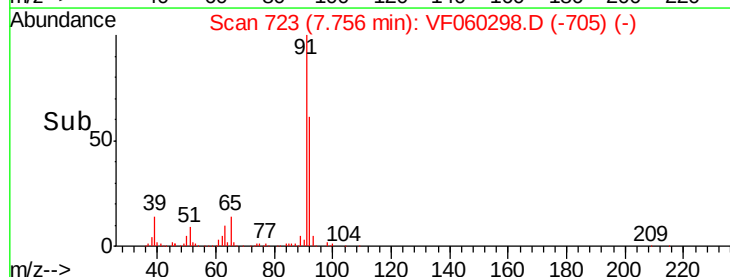
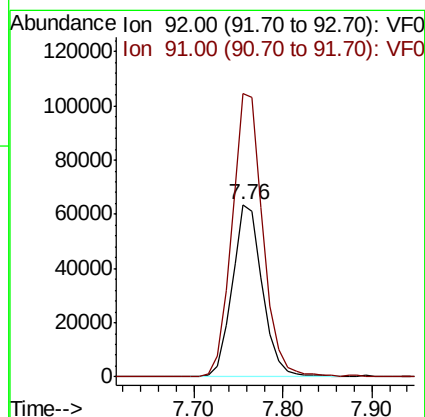
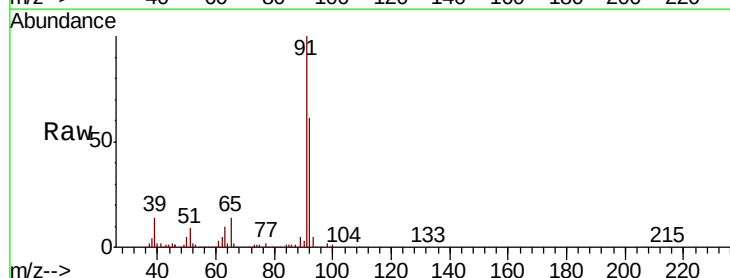
Acq: 20 Sep 2018 12:49

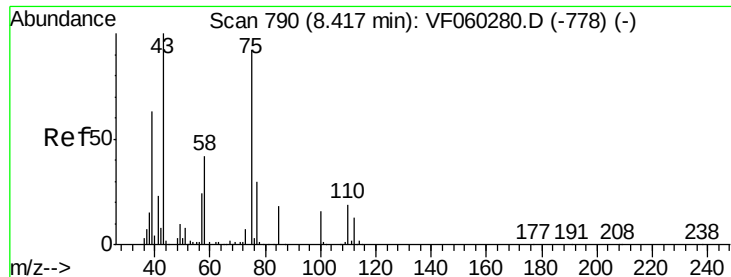
Tgt Ion: 92 Resp: 150242

Ion Ratio Lower Upper

92 100

91 164.0 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 20.876 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 75 Resp: 86048

Ion Ratio Lower Upper

75 100

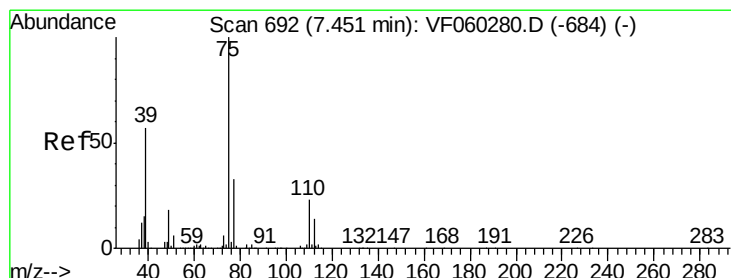
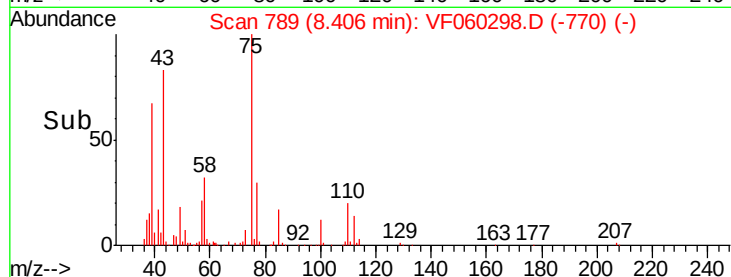
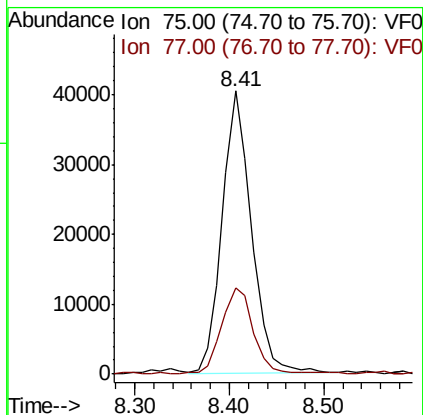
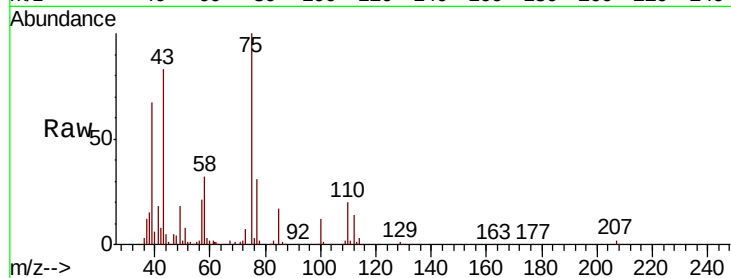
77 30.7 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 20.922 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

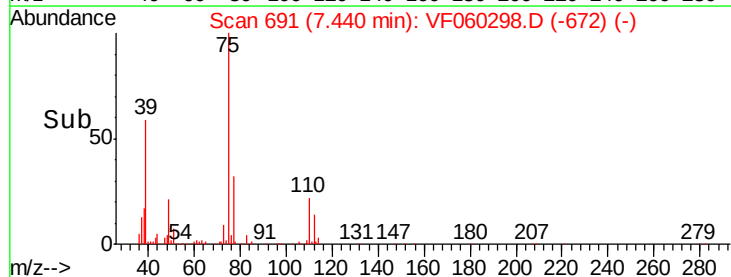
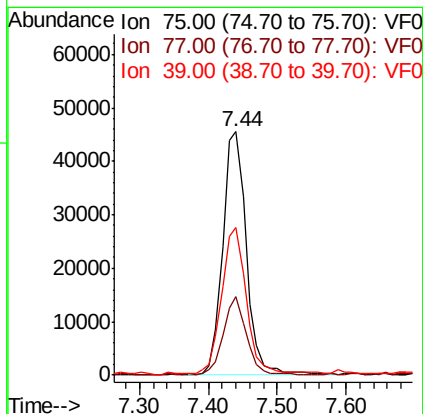
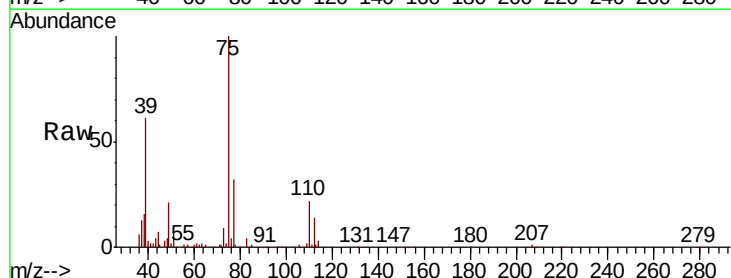
Tgt Ion: 75 Resp: 108638

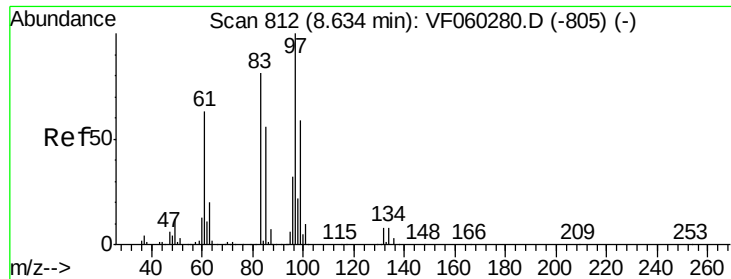
Ion Ratio Lower Upper

75 100

77 32.4 26.3 39.5

39 60.8 46.1 69.1





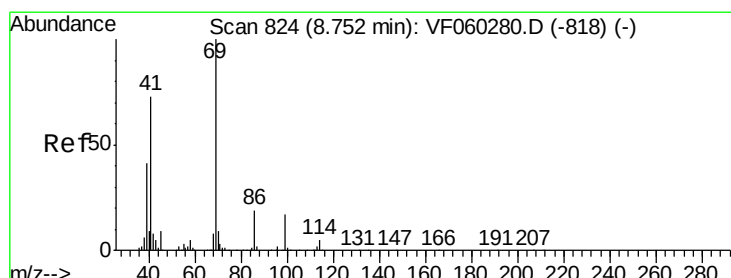
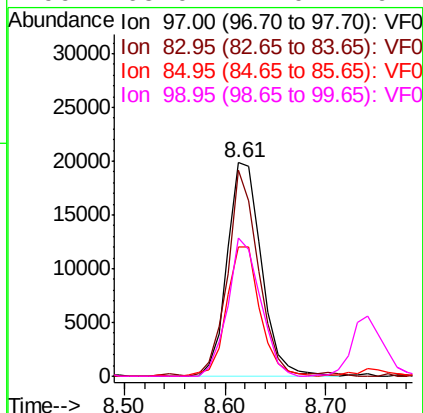
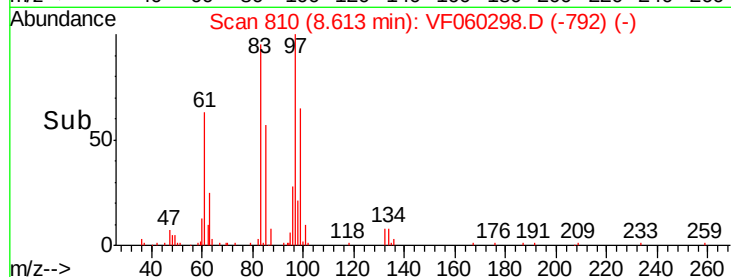
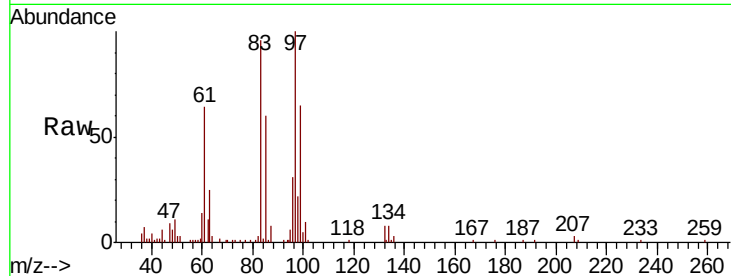
#55
1,1,2-Trichloroethane
Concen: 21.175 ug/l
RT: 8.61 min Scan# 810
Delta R.T. -0.02 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

Tot Ion:	97	Resp:	46732
Ion	Ratio	Lower	Upper
97	100		
83	96.5	65.3	97.9
85	60.4	44.7	67.1
99	65.0	47.0	70.4

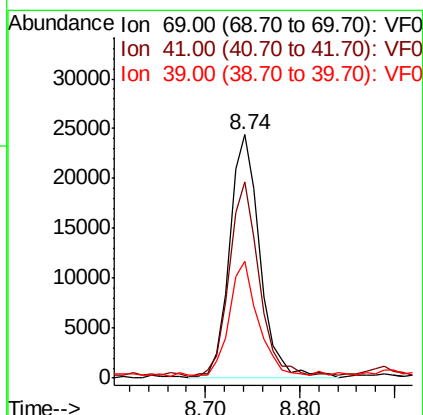
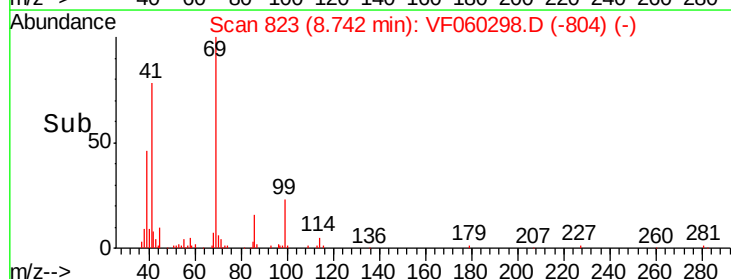
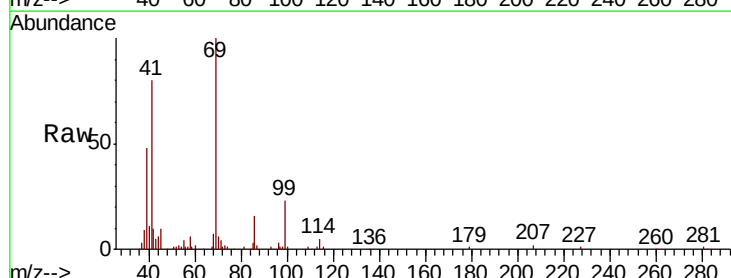
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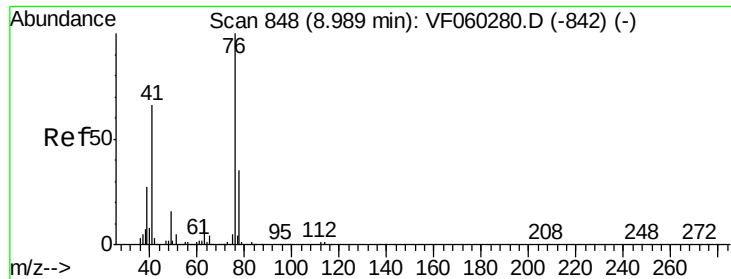
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#56
Ethyl methacrylate
Concen: 20.408 ug/l
RT: 8.74 min Scan# 823
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion:	69	Resp:	54396
Ion	Ratio	Lower	Upper
69	100		
41	80.5	59.4	89.2
39	48.1	33.5	50.3





#57

1,3-Dichloropropane

Concen: 20.419 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 76 Resp: 74615

Ion Ratio Lower Upper

76 100

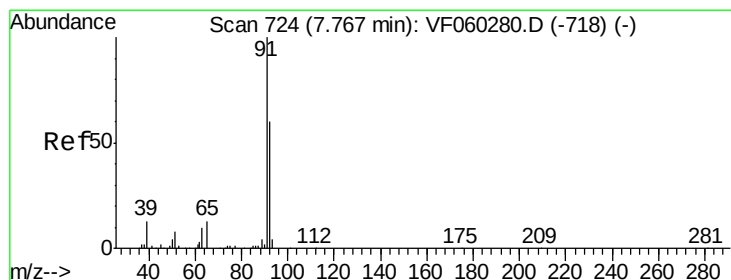
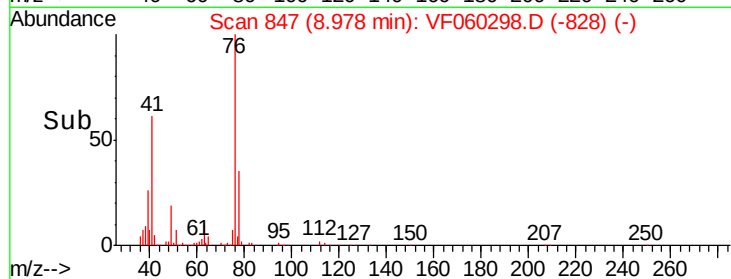
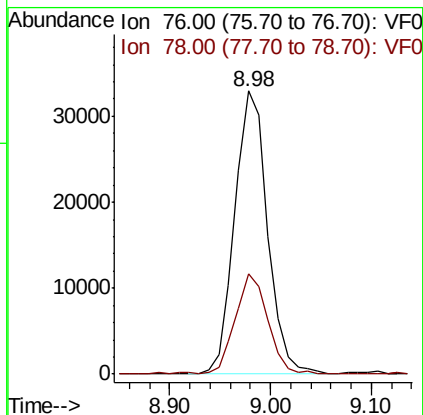
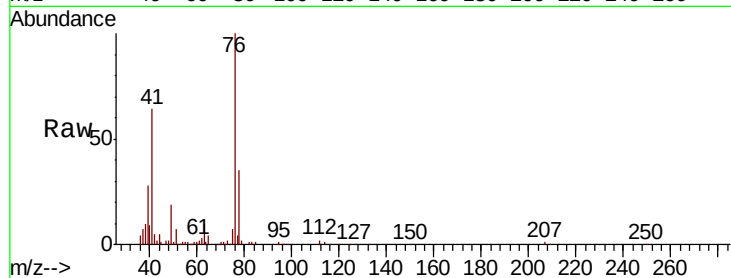
78 35.5 28.2 42.2

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#58

2-Chloroethyl Vinyl ether

Concen: 105.562 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060298.D

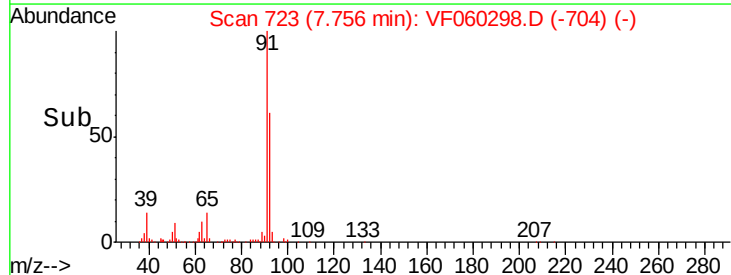
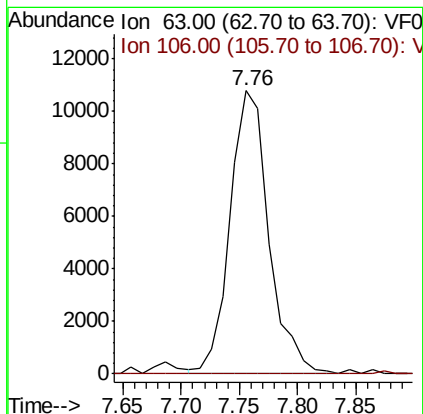
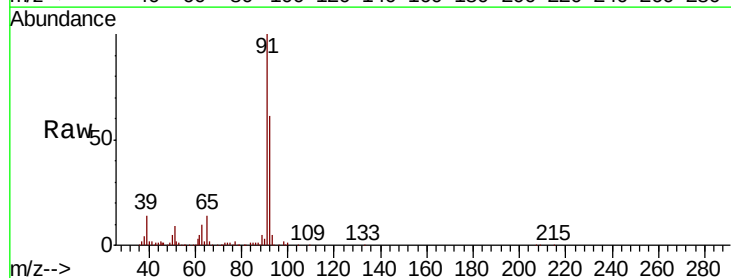
Acq: 20 Sep 2018 12:49

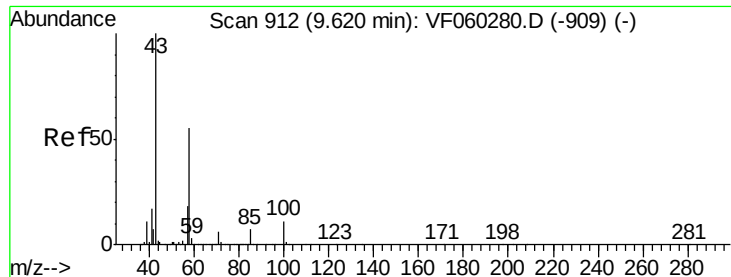
Tgt Ion: 63 Resp: 24874

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





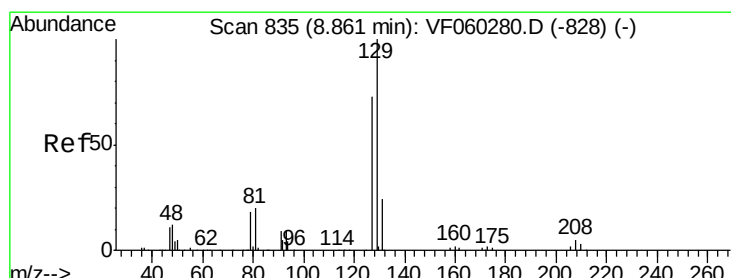
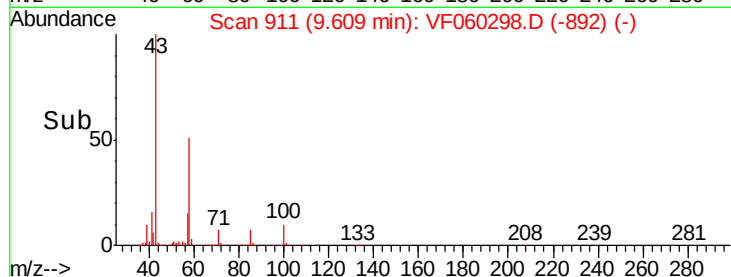
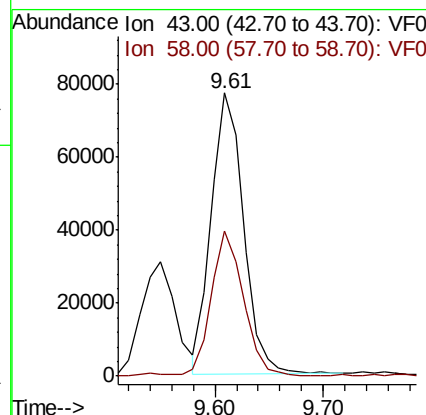
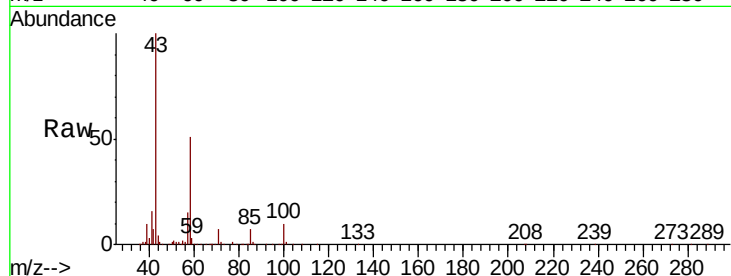
#59
2-Hexanone
Concen: 113.029 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.9	77.6

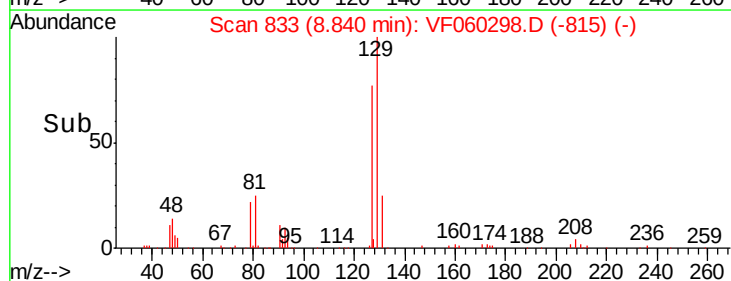
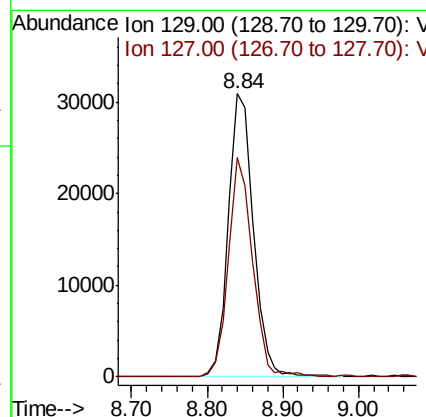
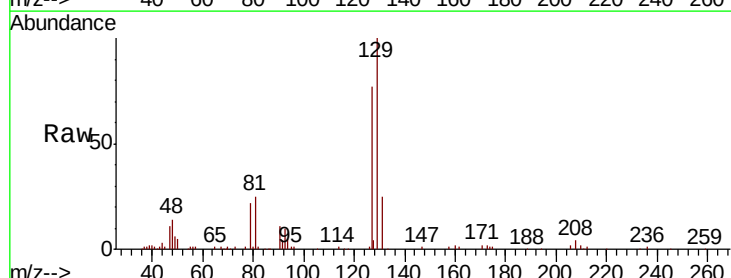
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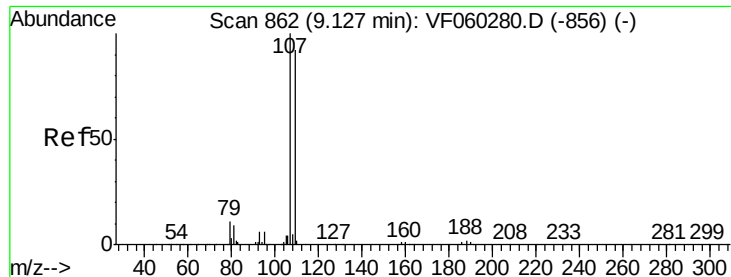
apatel
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#60
Dibromochloromethane
Concen: 21.542 ug/l
RT: 8.84 min Scan# 833
Delta R.T. -0.02 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.1	36.6	109.8





#61

1,2-Dibromoethane

Concen: 21.321 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion:107 Resp: 52399

Ion Ratio Lower Upper

107 100

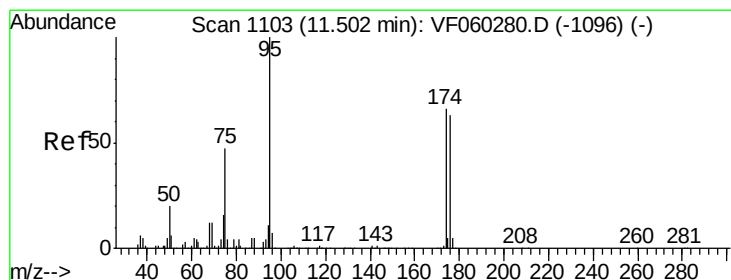
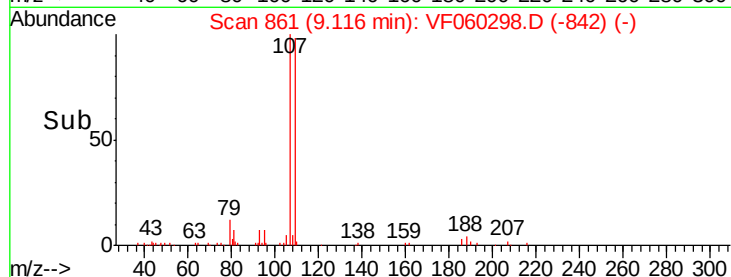
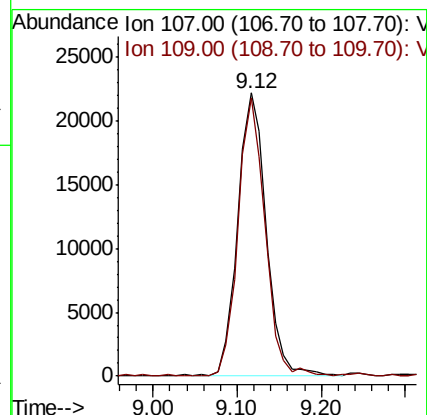
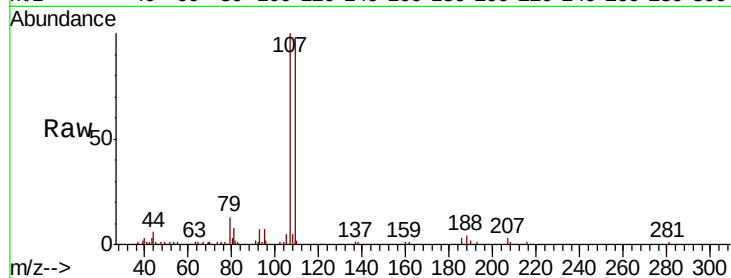
109 98.1 73.2 109.8

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#62

4-Bromofluorobenzene

Concen: 46.020 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

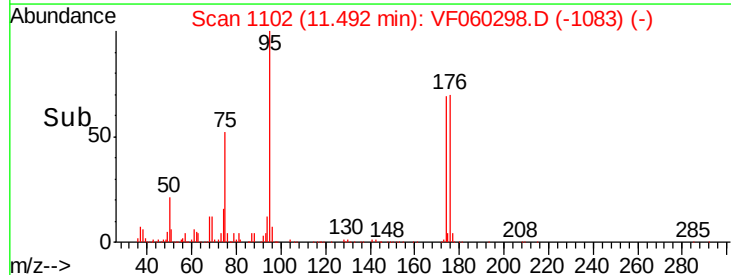
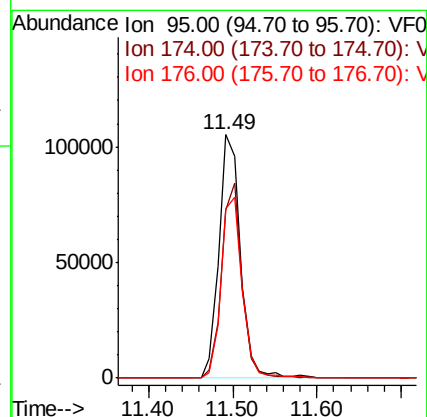
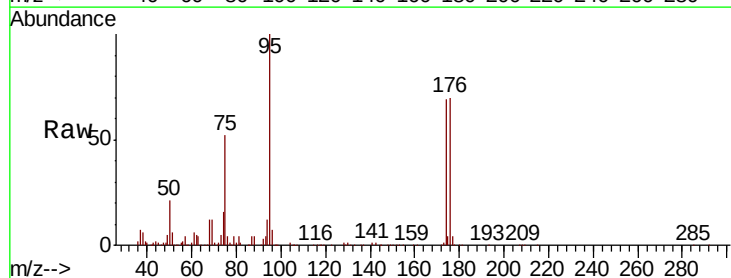
Tgt Ion: 95 Resp: 187675

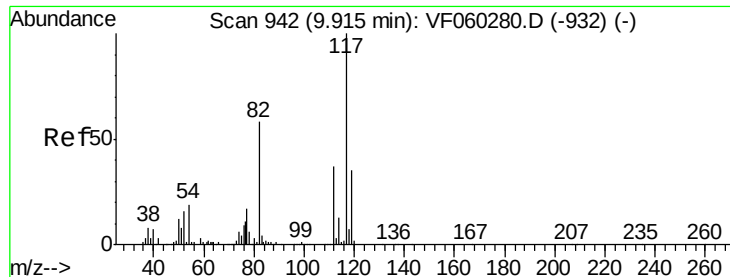
Ion Ratio Lower Upper

95 100

174 68.9 0.0 131.2

176 69.7 0.0 126.6





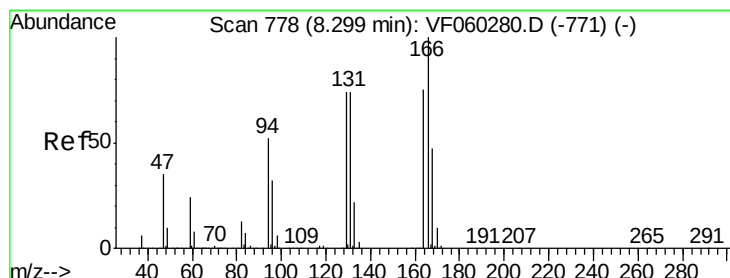
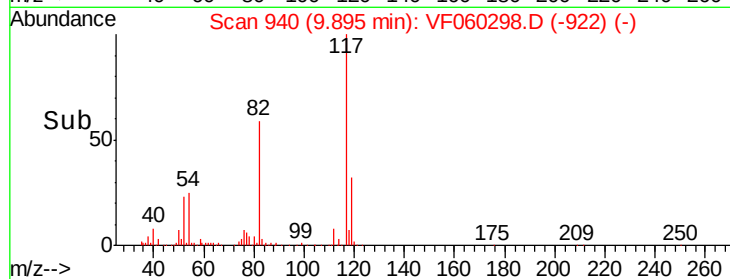
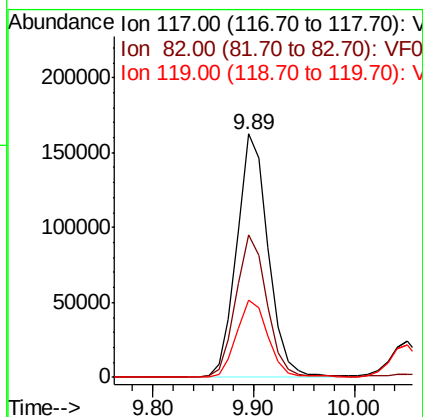
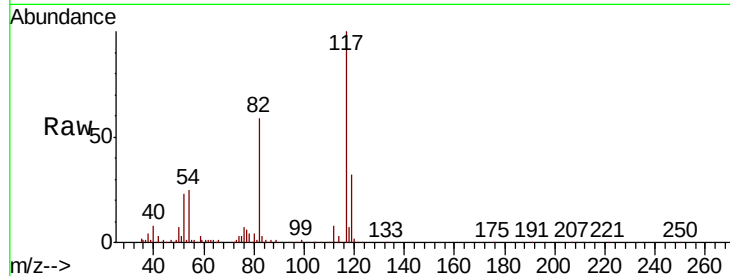
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.2	69.2
119	31.9	27.8	41.6

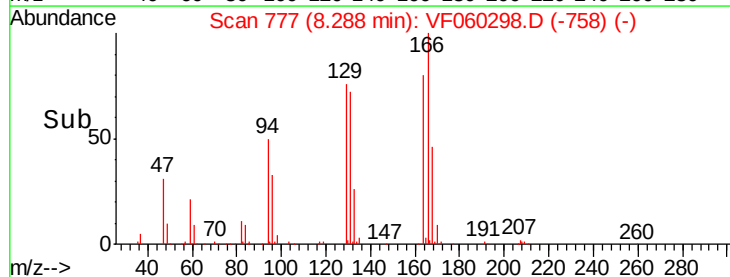
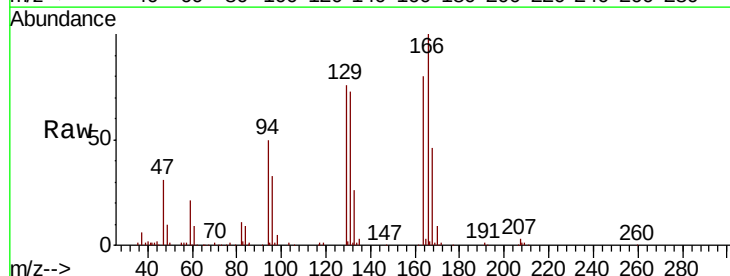
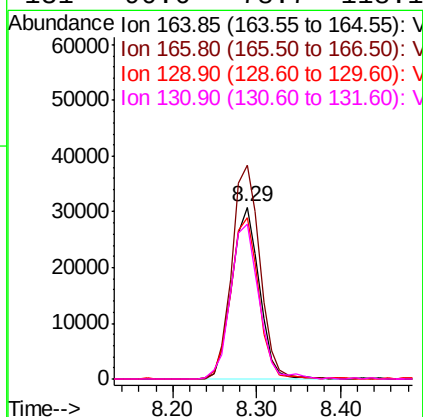
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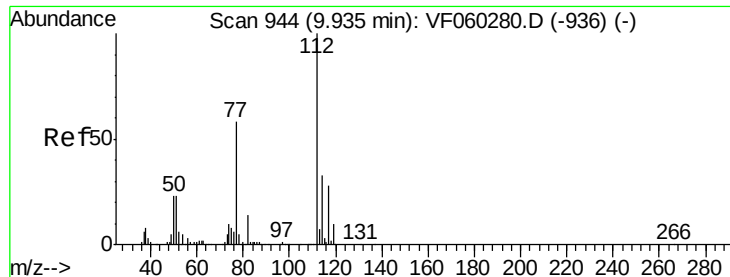
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#64
Tetrachloroethene
Concen: 21.959 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	106.8	160.2
129	94.0	78.8	118.2
131	90.6	78.7	118.1





#65

Chlorobenzene

Concen: 21.572 ug/l

RT: 9.92 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion:112 Resp: 172585

Ion Ratio Lower Upper

112 100

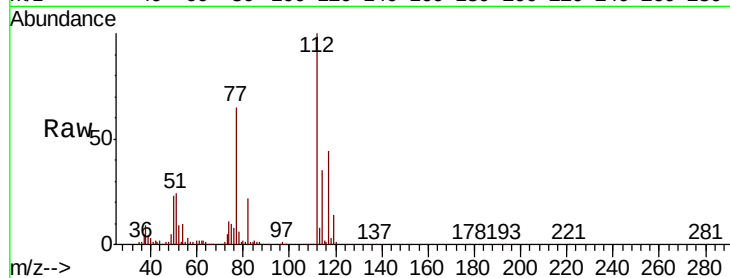
114 35.2 26.6 40.0

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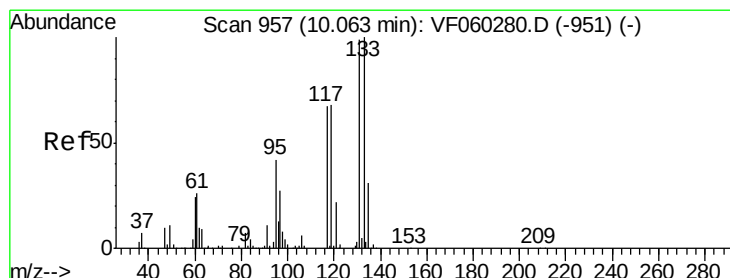
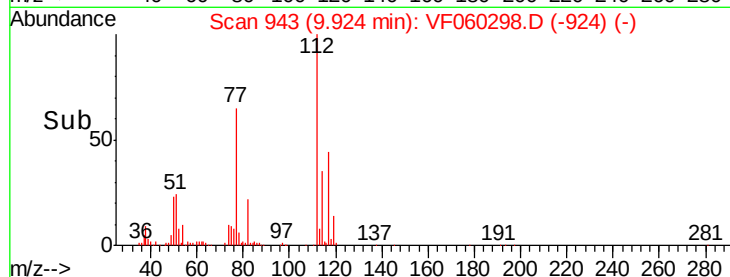
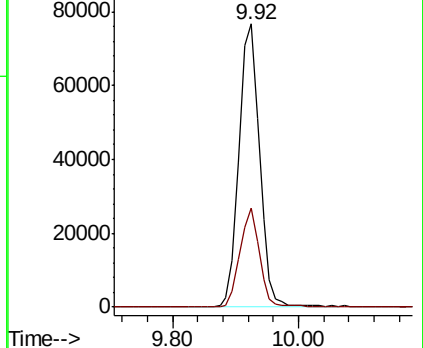
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.091 ug/l

RT: 10.05 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

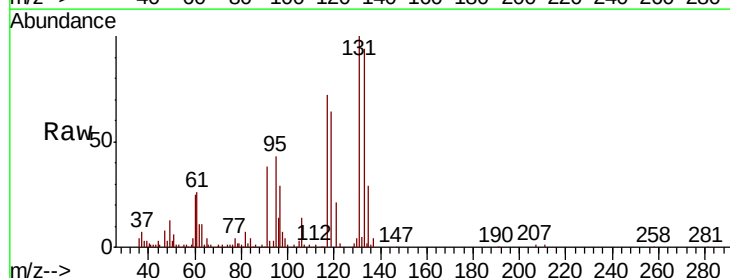
Tgt Ion:131 Resp: 73347

Ion Ratio Lower Upper

131 100

133 94.0 50.4 151.2

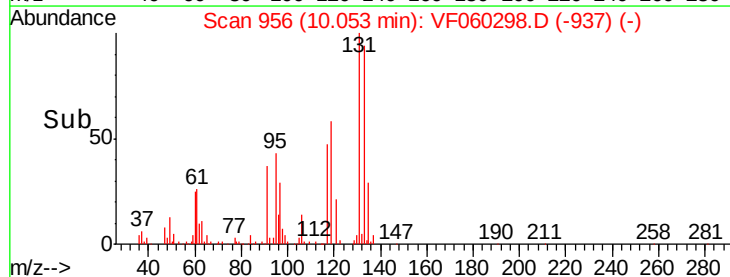
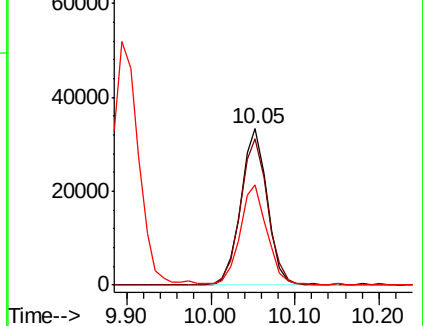
119 64.1 34.8 104.3

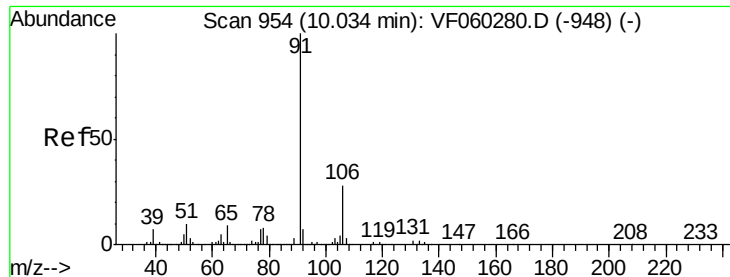


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.949 ug/l

RT: 10.02 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 91 Resp: 324680

Ion Ratio Lower Upper

91 100

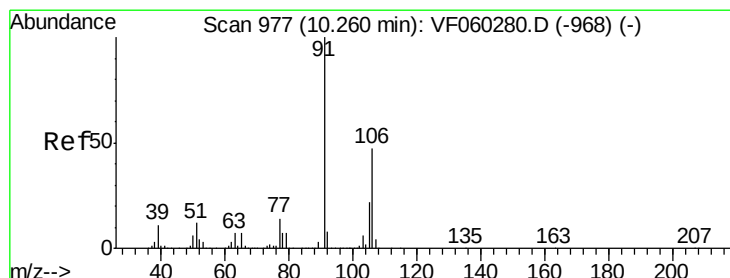
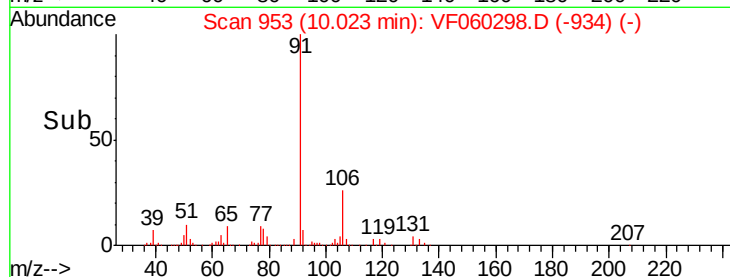
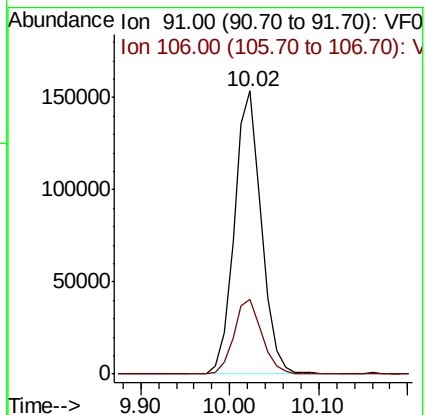
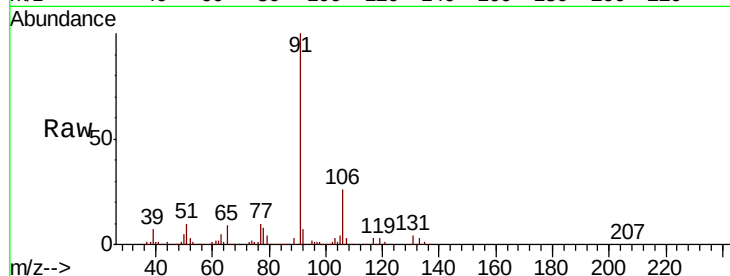
106 26.3 22.7 34.1

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#68

m/p-Xylenes

Concen: 43.417 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060298.D

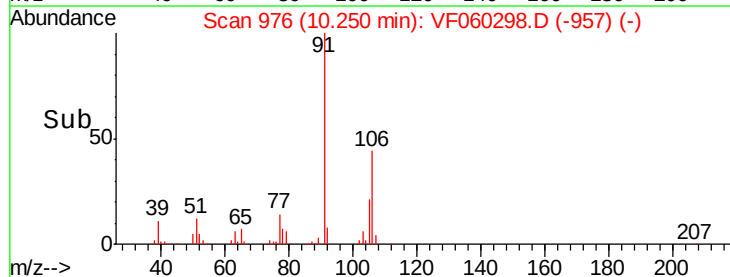
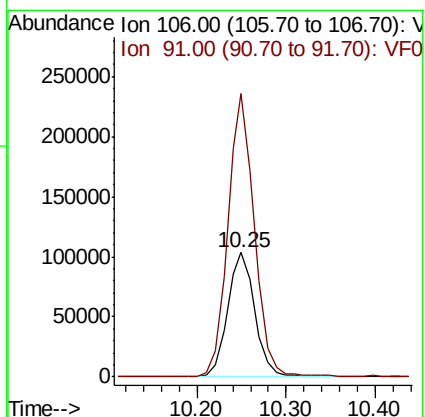
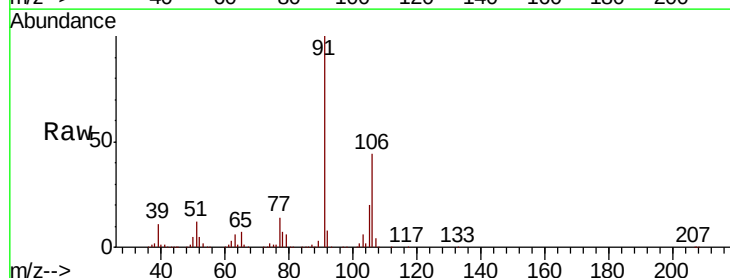
Acq: 20 Sep 2018 12:49

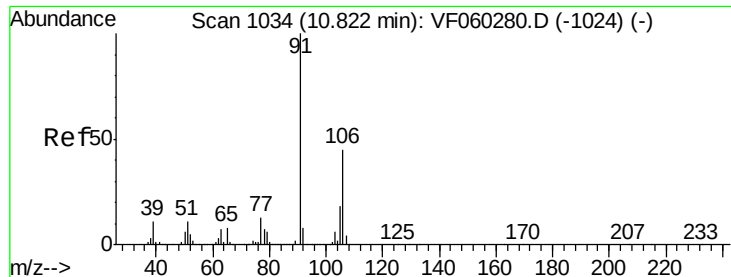
Tgt Ion: 106 Resp: 221890

Ion Ratio Lower Upper

106 100

91 227.5 172.3 258.5





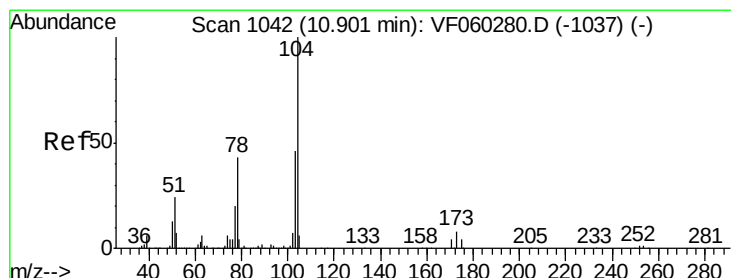
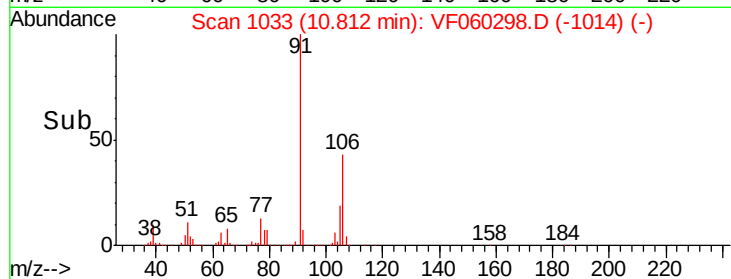
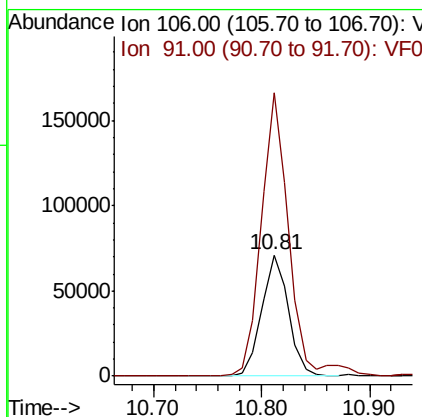
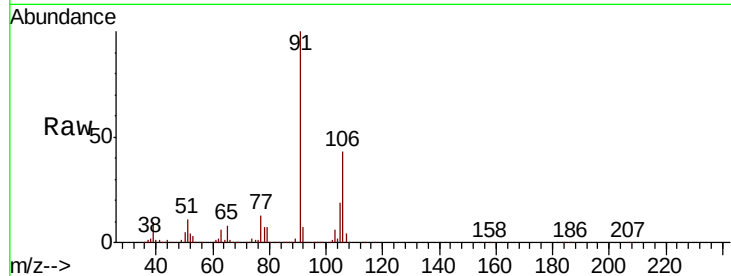
#69
o-Xylene
Concen: 21.630 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	234.1	110.9	332.6

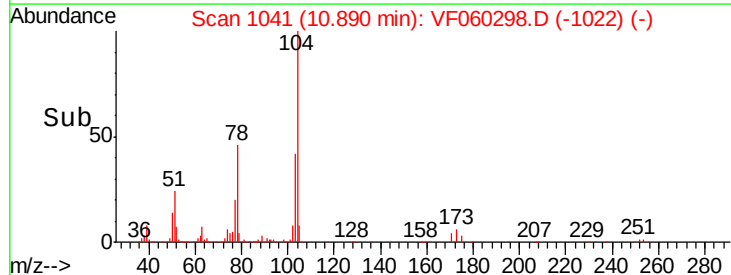
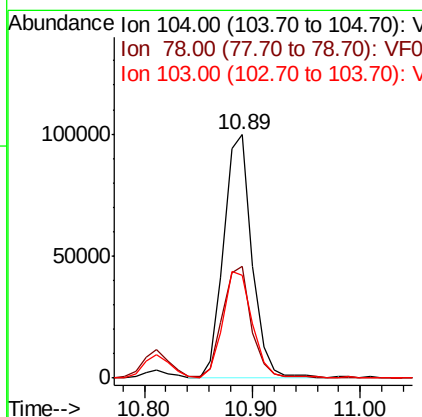
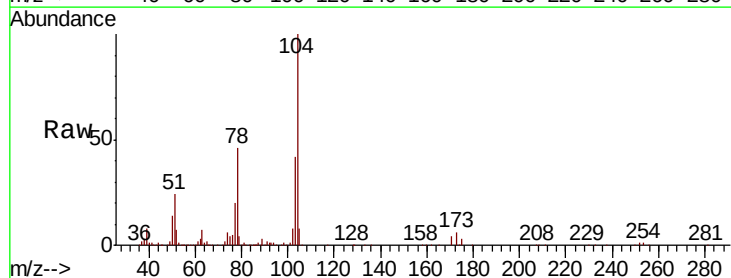
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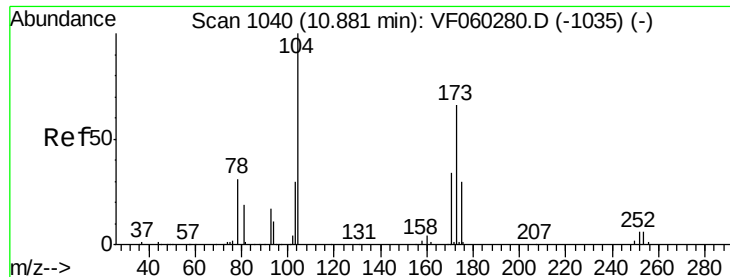
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#70
Styrene
Concen: 22.491 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.0	35.0	52.6
103	42.3	37.4	56.0





#71

Bromoform

Concen: 21.165 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

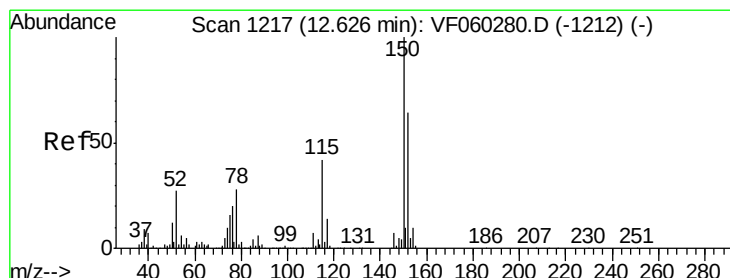
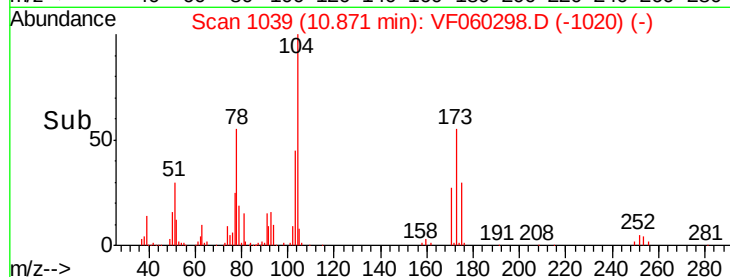
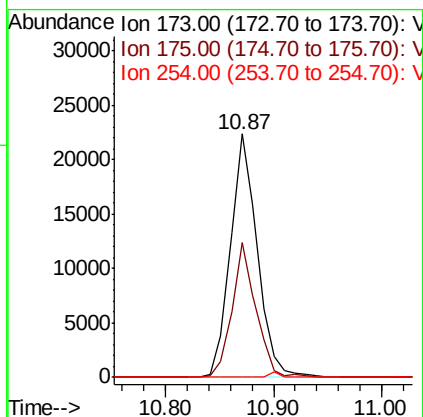
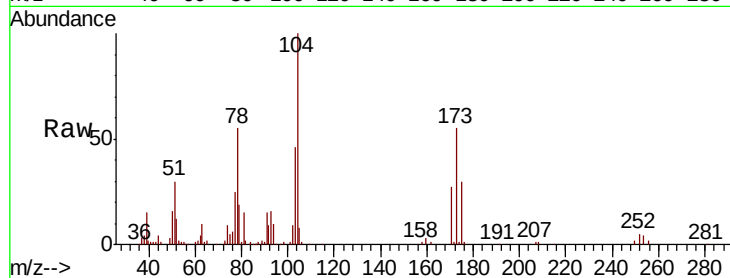
ClientSampleId :

VF0920SBS01

Tot Ion:	173	Resp:	38594
Ion Ratio	Lower	Upper	
173	100		
175	55.5	22.3	66.9
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

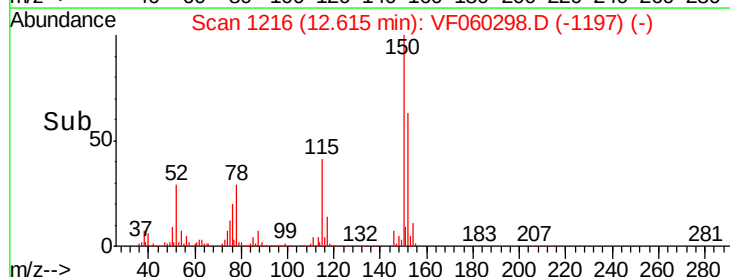
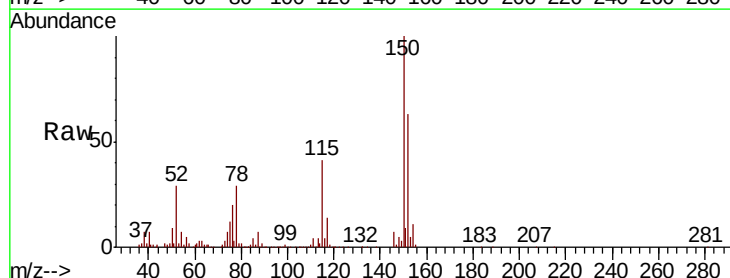
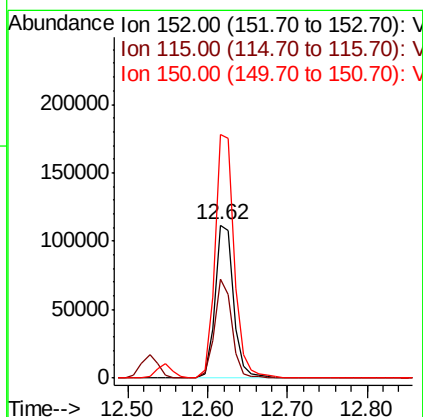
RT: 12.62 min Scan# 1216

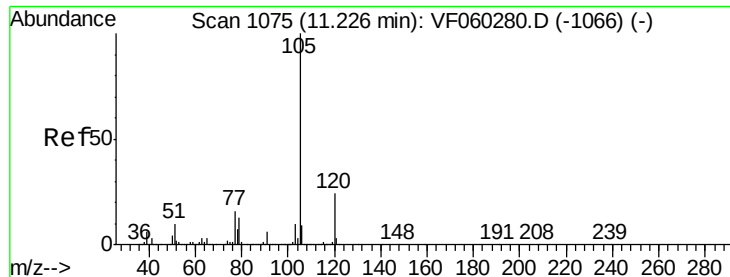
Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion:	152	Resp:	185374
Ion Ratio	Lower	Upper	
152	100		
115	65.0	32.6	97.8
150	159.3	0.0	314.2





#73

Isopropylbenzene

Concen: 21.908 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion:105 Resp: 364588

Ion Ratio Lower Upper

105 100

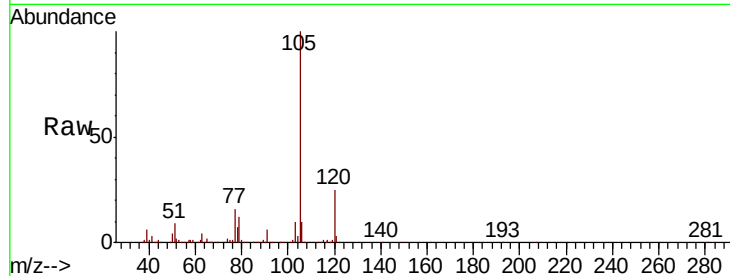
120 25.2 12.2 36.6

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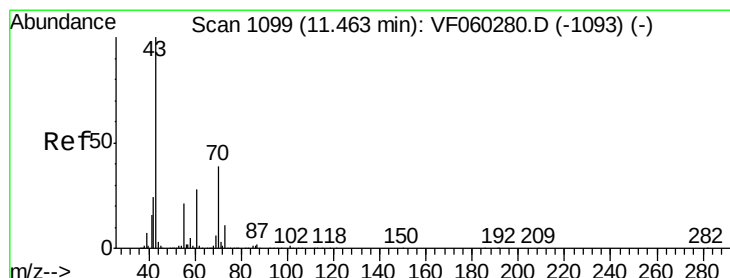
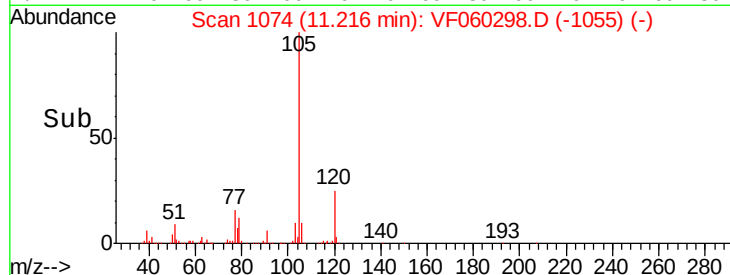
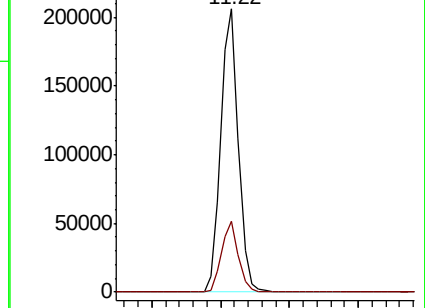
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.737 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion: 43 Resp: 84237

Ion Ratio Lower Upper

43 100

70 39.8 31.4 47.2

55 21.9 16.8 25.2

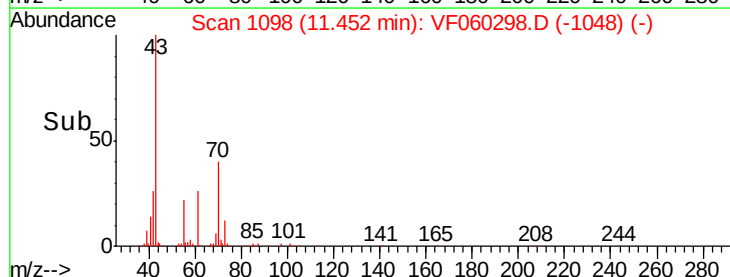
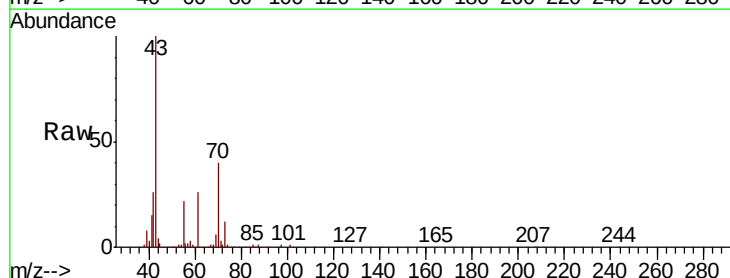
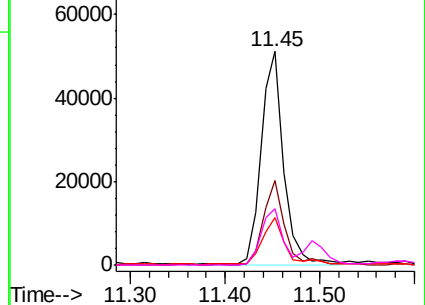
61 26.2 22.6 34.0

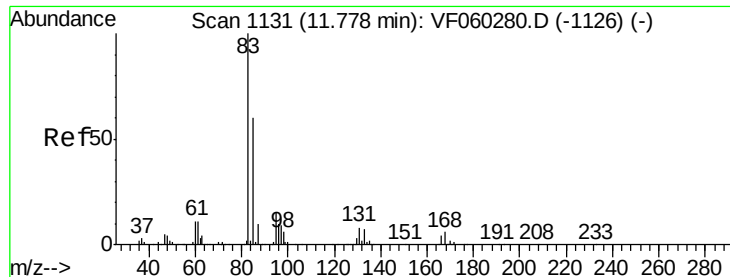
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.393 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

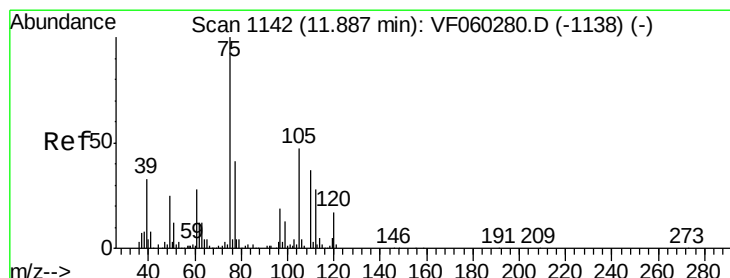
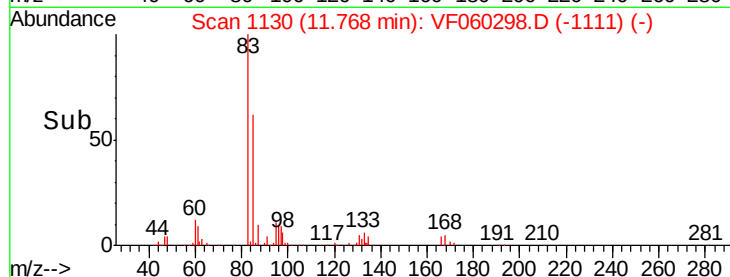
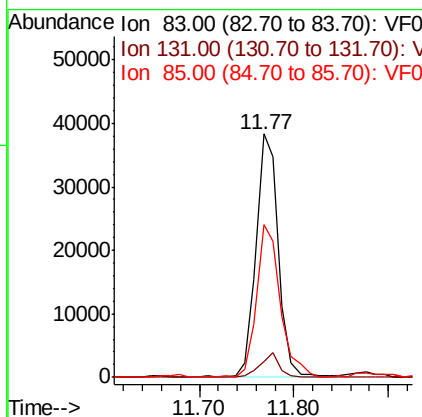
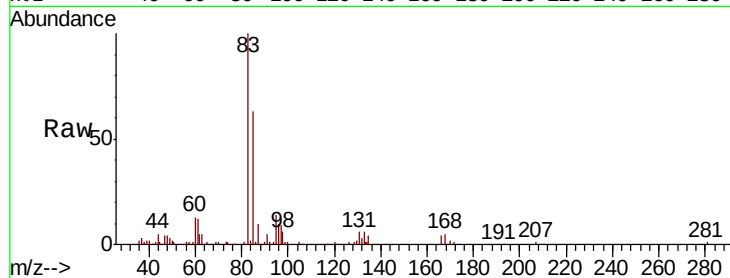
VF0920SBS01

Tot Ion:	83	Resp:	63092
Ion Ratio	Lower	Upper	
83	100		
131	6.4	4.2	12.4
85	62.7	30.1	90.5

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#76

1,2,3-Trichloropropane

Concen: 21.932 ug/l

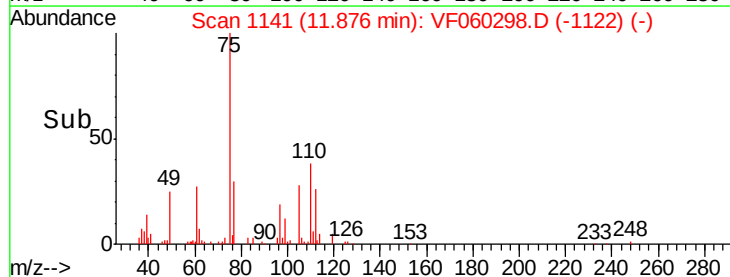
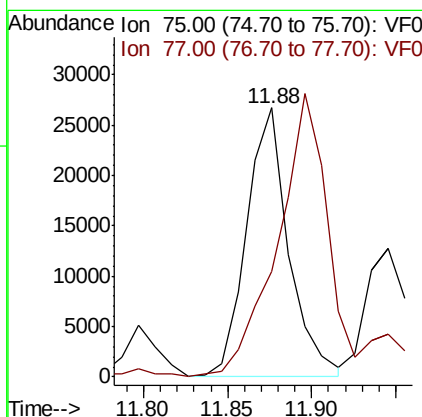
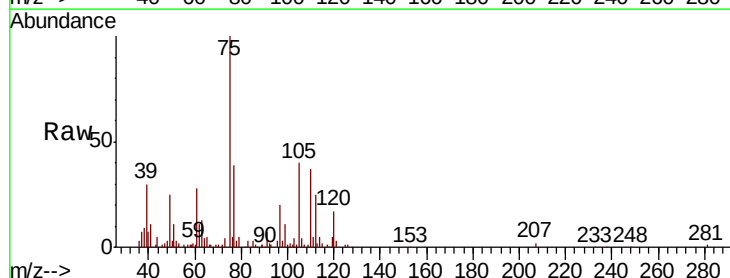
RT: 11.88 min Scan# 1141

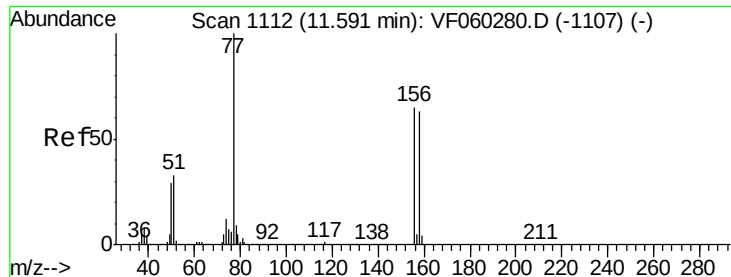
Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion:	75	Resp:	46314
Ion Ratio	Lower	Upper	
75	100		
77	39.4	20.5	61.5





#77

Bromobenzene

Concen: 21.538 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

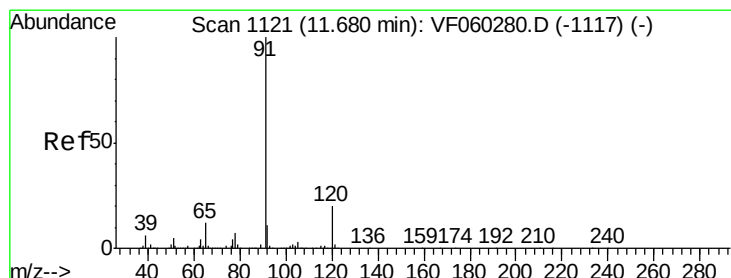
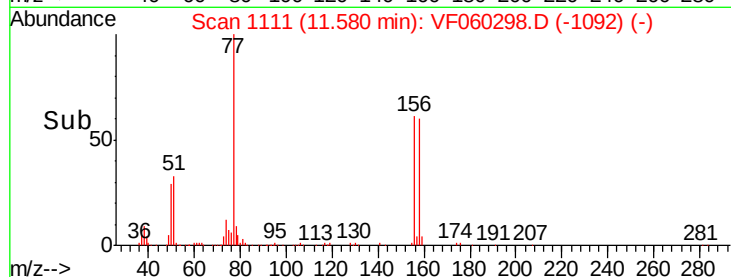
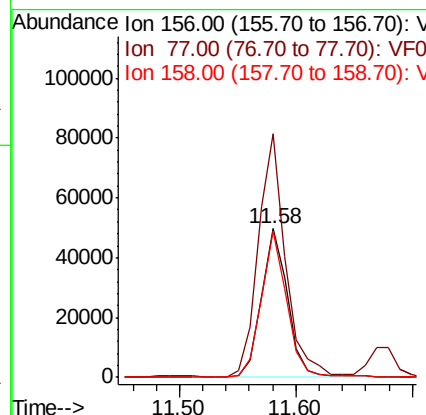
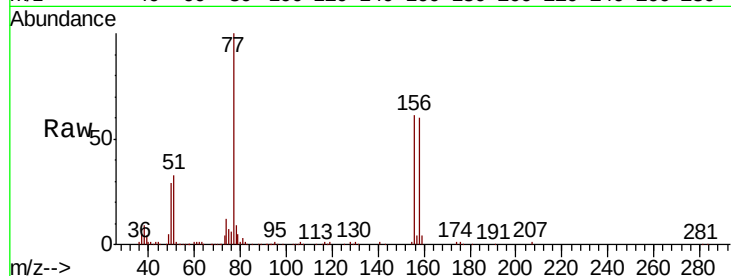
ClientSampleId :

VF0920SBS01

Tot Ion:	156	Resp:	77246
Ion Ratio	Lower	Upper	
156	100		
77	163.8	77.3	232.1
158	98.0	48.4	145.2

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#78

n-propylbenzene

Concen: 21.877 ug/l

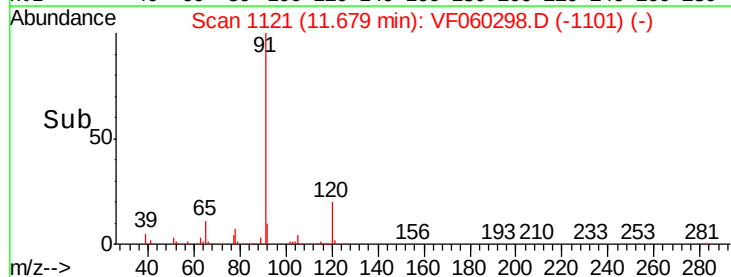
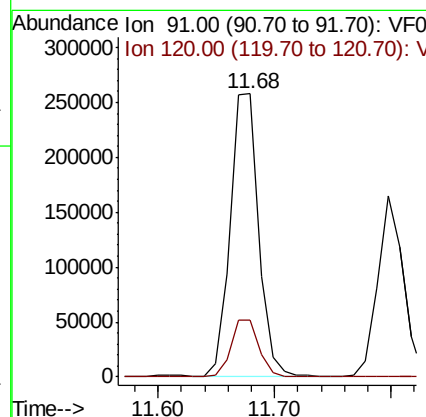
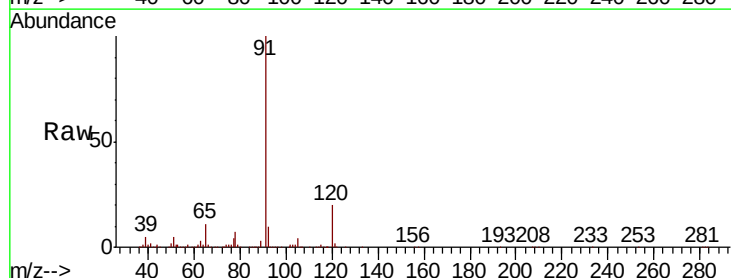
RT: 11.68 min Scan# 1121

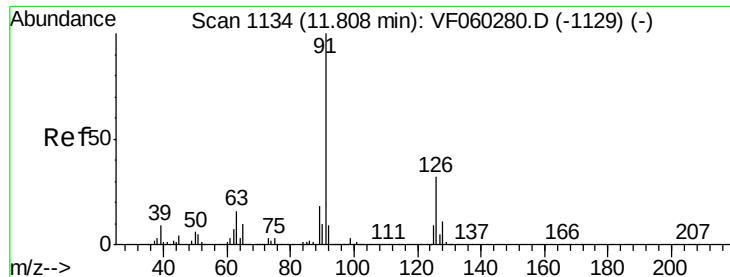
Delta R.T. 0.00 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion:	91	Resp:	435781
Ion Ratio	Lower	Upper	
91	100		
120	20.0	10.0	29.8





#79

2-Chlorotoluene

Concen: 22.102 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBSD01

Tot Ion: 91 Resp: 248106

Ion Ratio Lower Upper

91 100

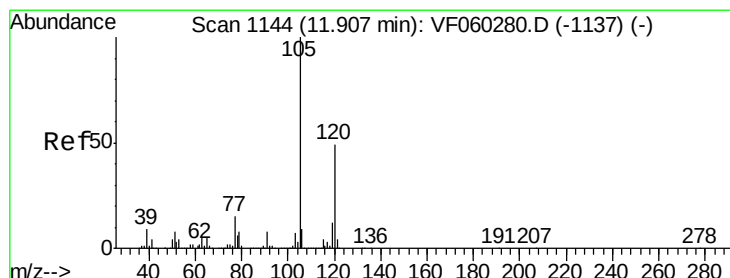
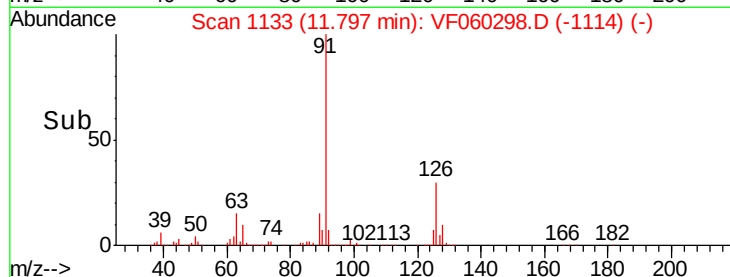
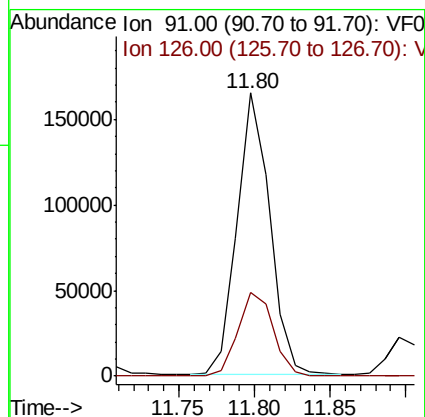
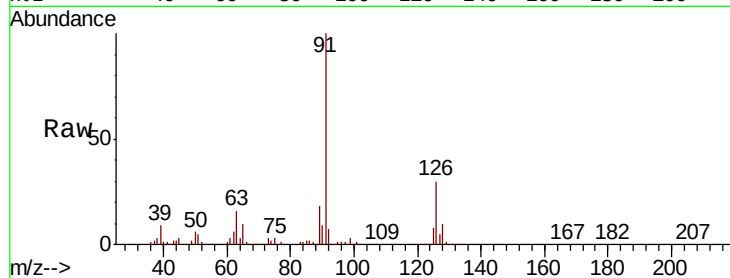
126 29.8 16.1 48.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 23.255 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060298.D

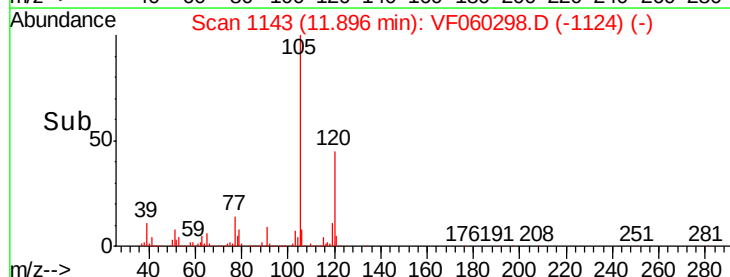
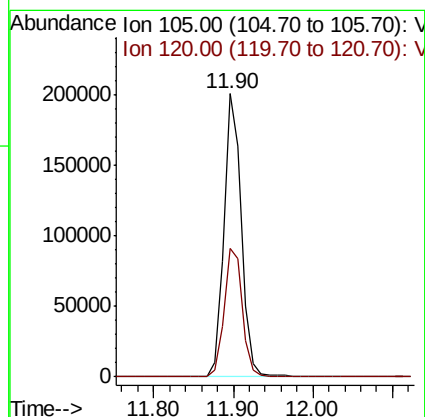
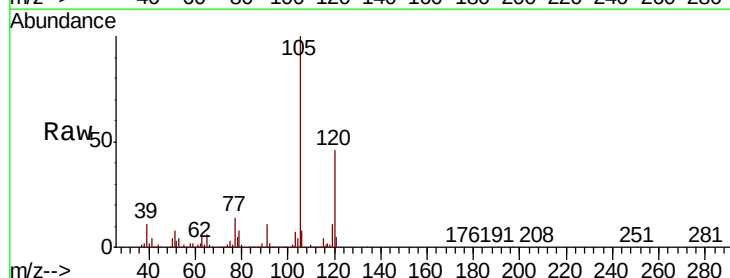
Acq: 20 Sep 2018 12:49

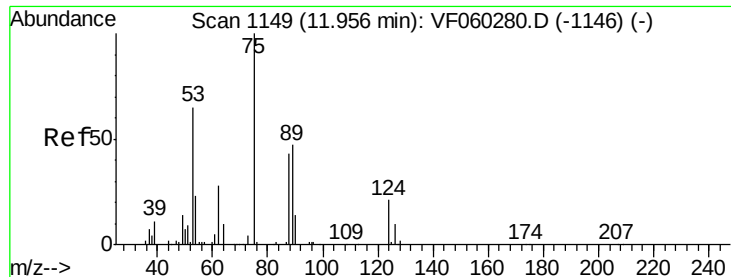
Tgt Ion: 105 Resp: 311523

Ion Ratio Lower Upper

105 100

120 45.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.418 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 75 Resp: 22786

Ion Ratio Lower Upper

75 100

53 78.4 56.5 84.7

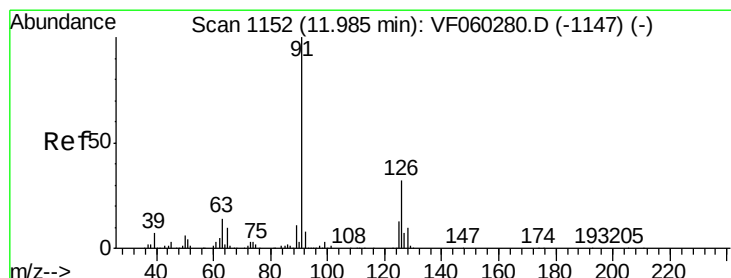
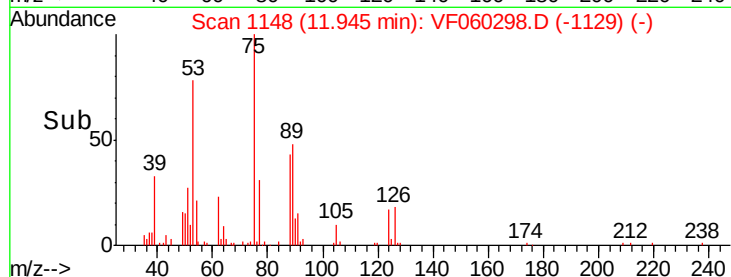
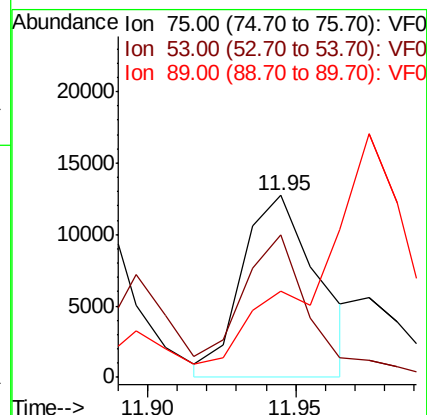
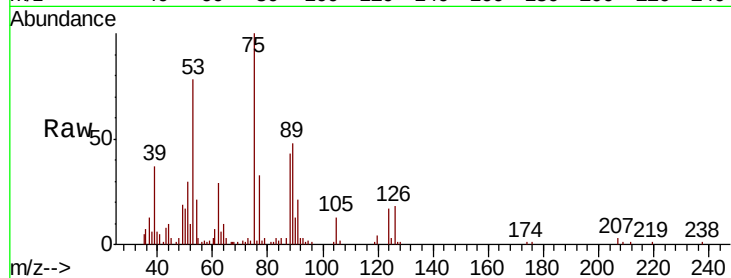
89 47.6 40.6 60.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 21.902 ug/l

RT: 11.97 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060298.D

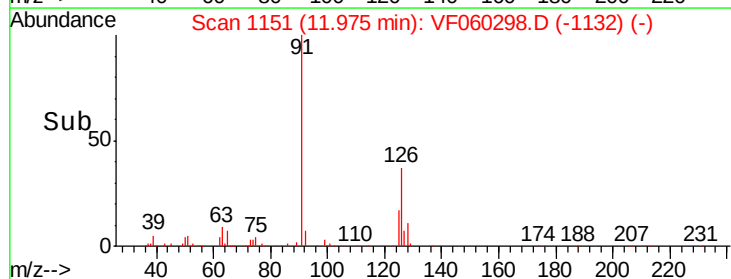
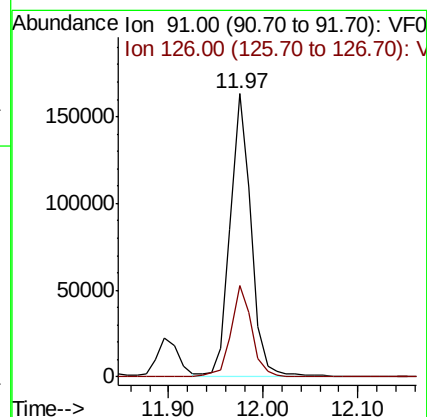
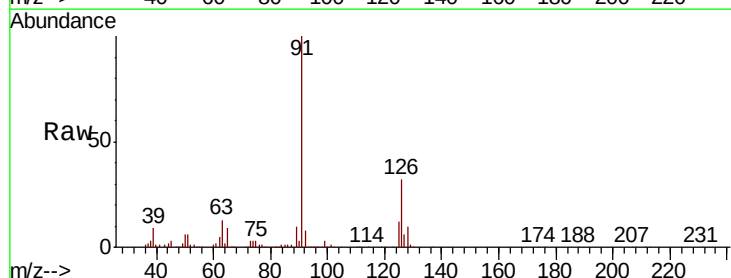
Acq: 20 Sep 2018 12:49

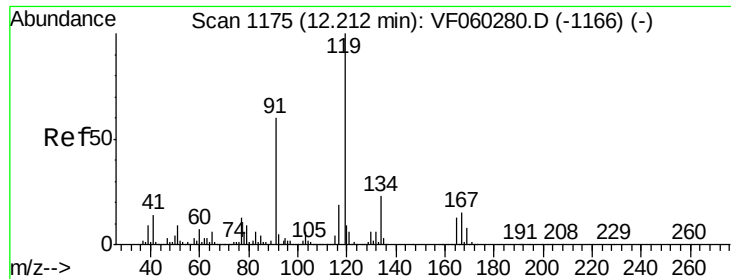
Tgt Ion: 91 Resp: 247123

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.2





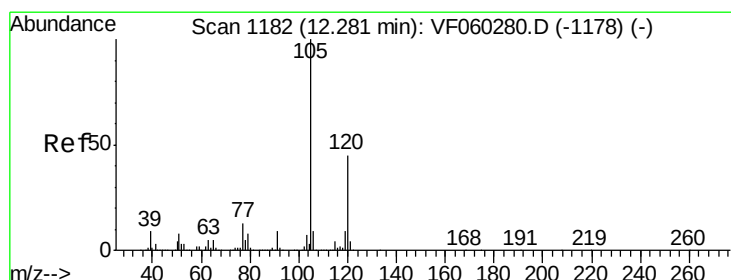
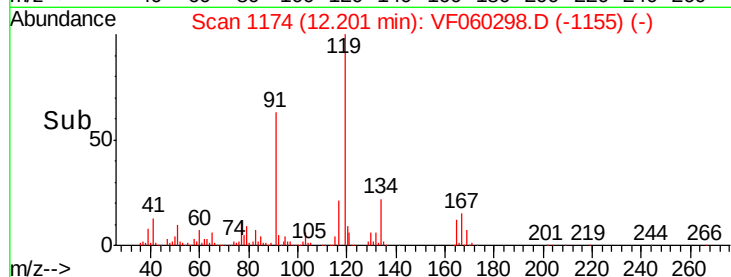
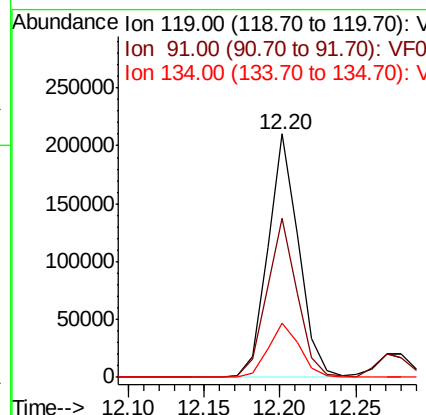
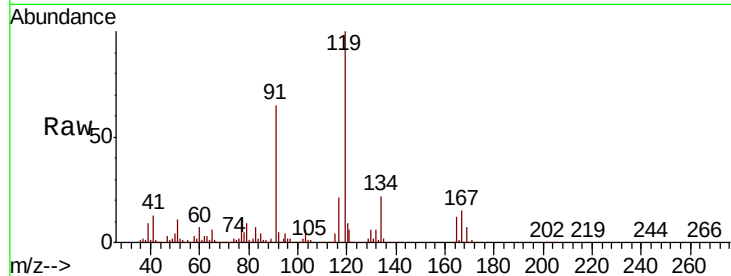
#83
 tert-Butylbenzene
 Concen: 22.031 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	299168		
91	65.1	30.3	91.0	
134	22.3	11.6	34.8	

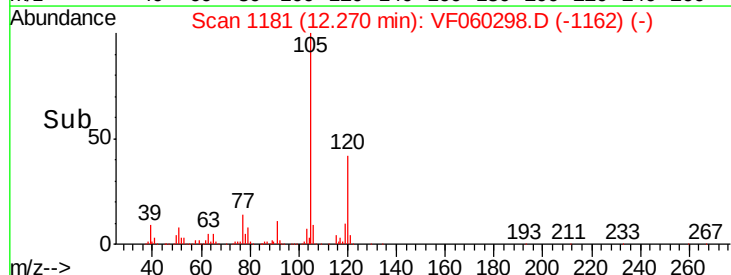
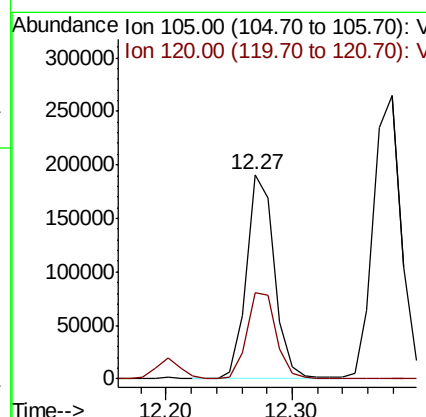
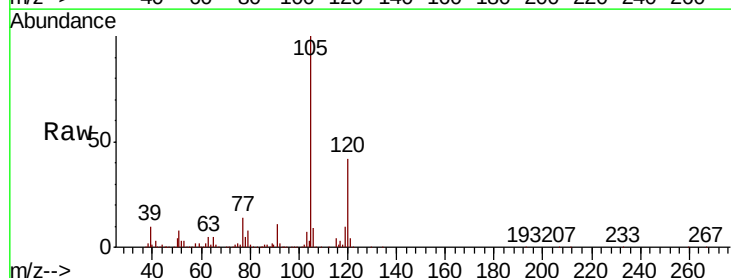
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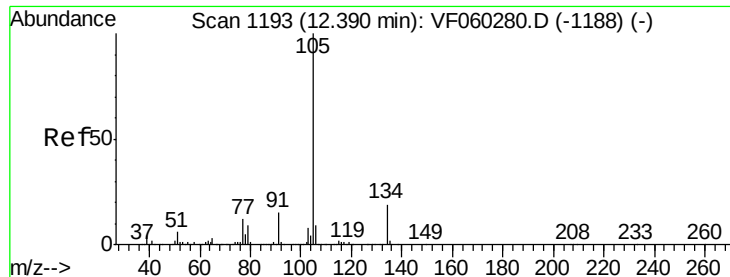
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.599 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	293809		
120	42.4	22.4	67.0	





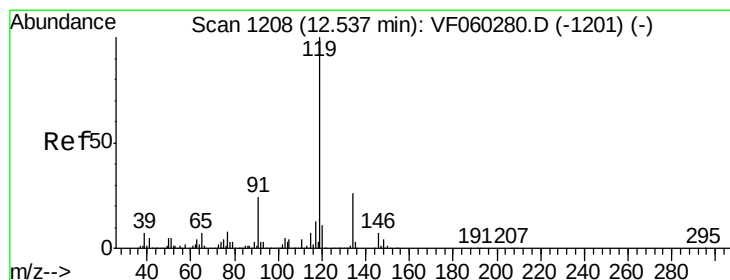
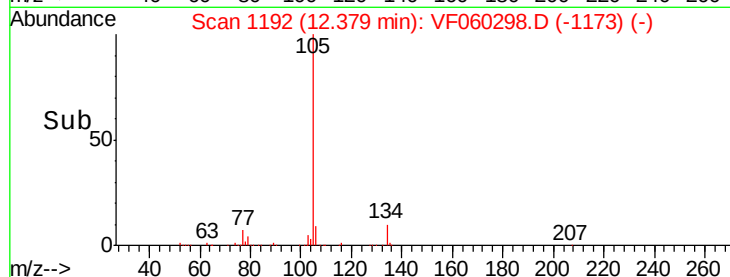
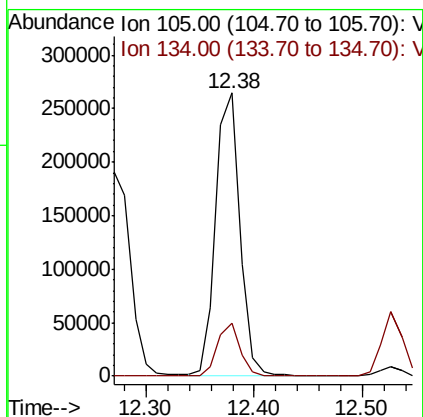
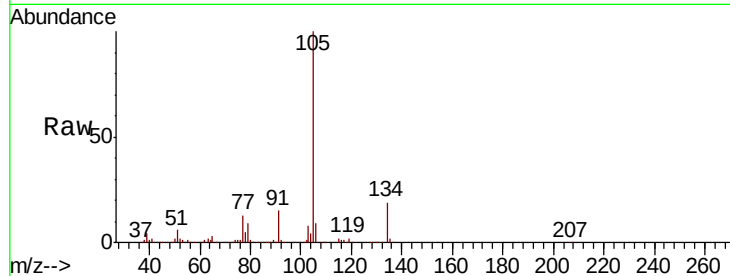
#85
 sec-Butylbenzene
 Concen: 21.205 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.6	28.6

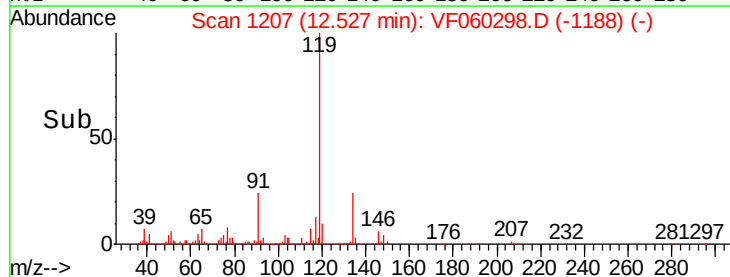
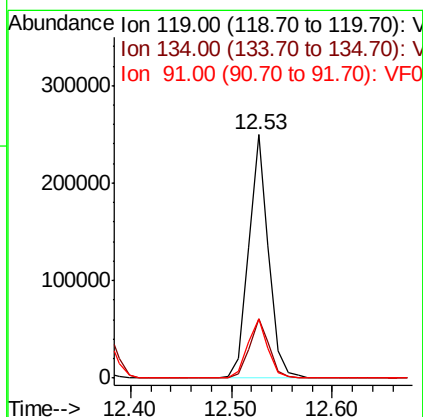
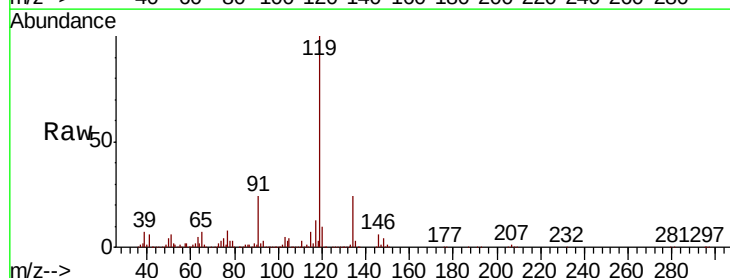
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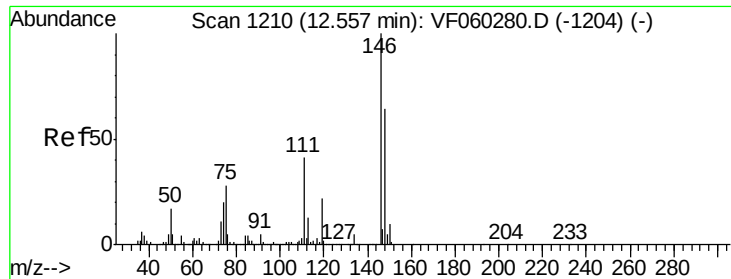
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#86
 p-Isopropyltoluene
 Concen: 22.883 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.3	12.9	38.7
91	24.5	11.9	35.7





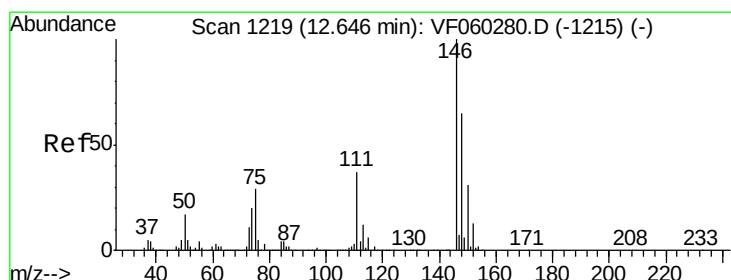
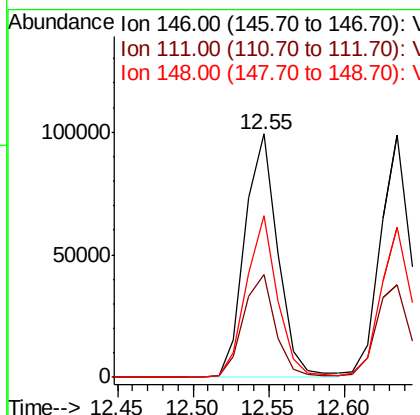
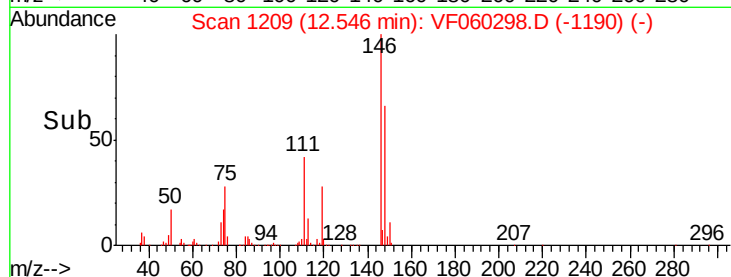
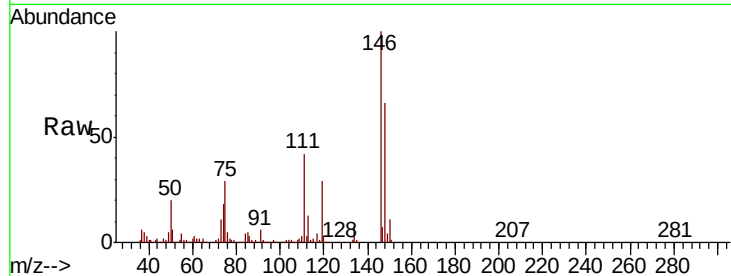
#87
 1,3-Dichlorobenzene
 Concen: 22.616 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.5	61.6
148	66.2	32.2	96.6

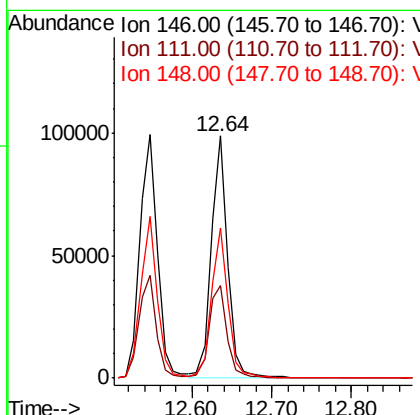
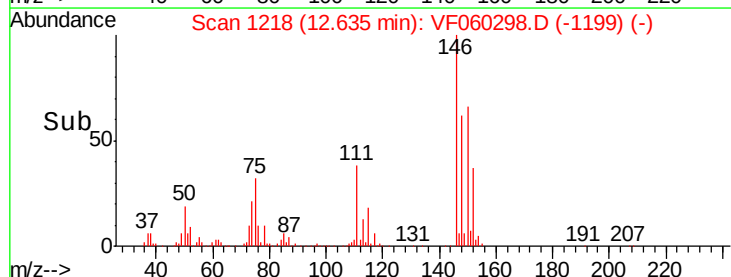
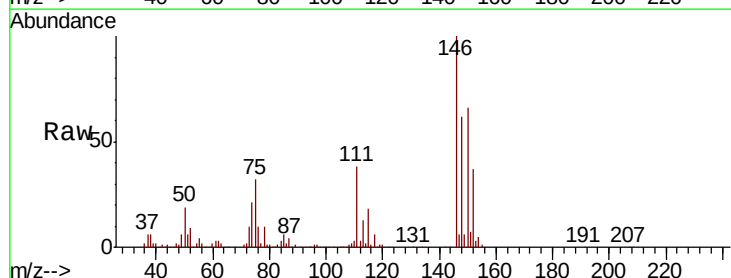
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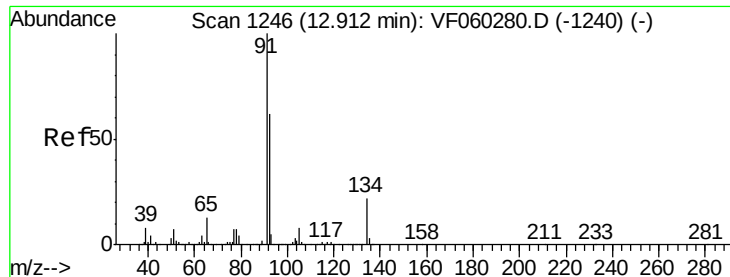
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#88
 1,4-Dichlorobenzene
 Concen: 21.674 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.7	56.1
148	62.2	32.4	97.0





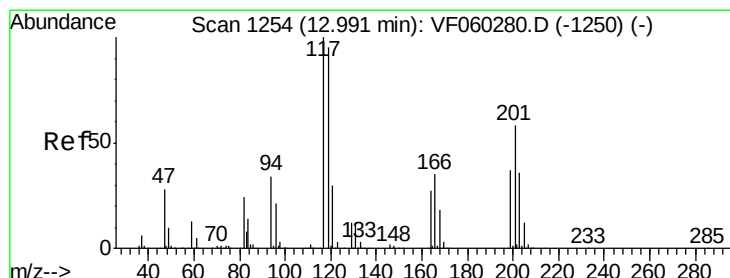
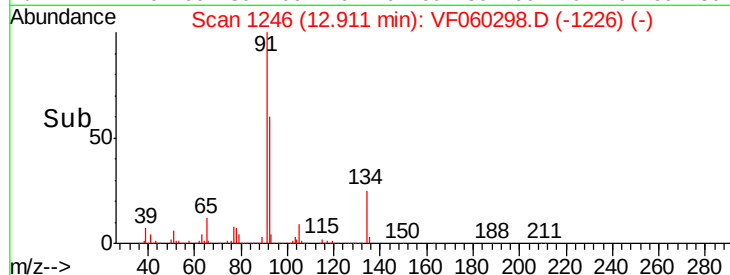
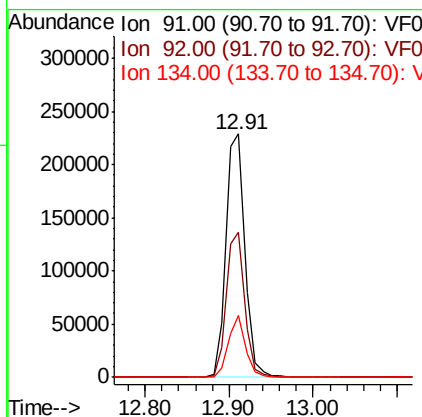
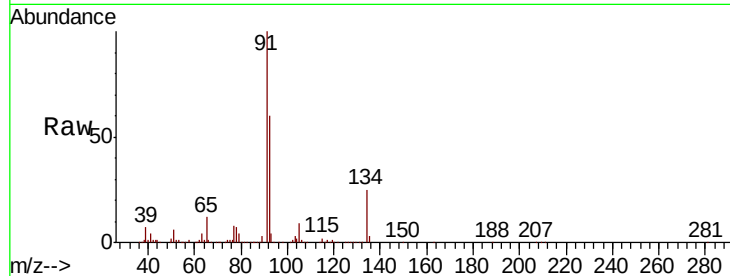
#89
n-Butylbenzene
Concen: 21.754 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

Tot Ion:	91	Resp:	356872
Ion Ratio	Lower	Upper	
91	100		
92	59.5	31.1	93.5
134	25.2	11.0	33.0

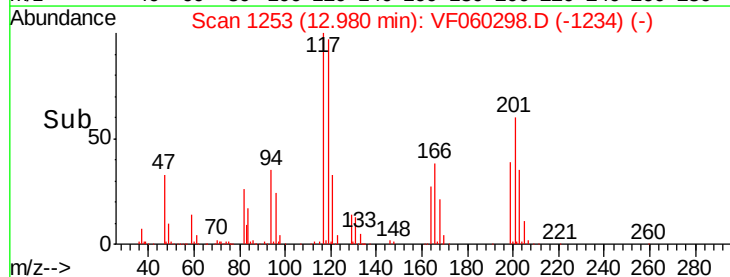
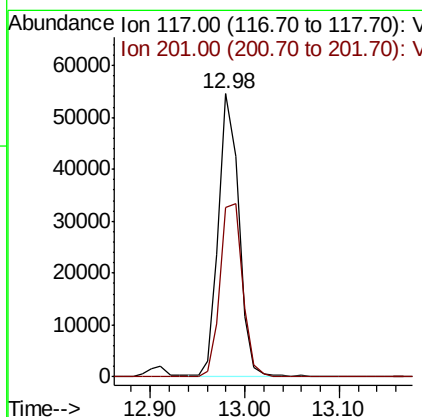
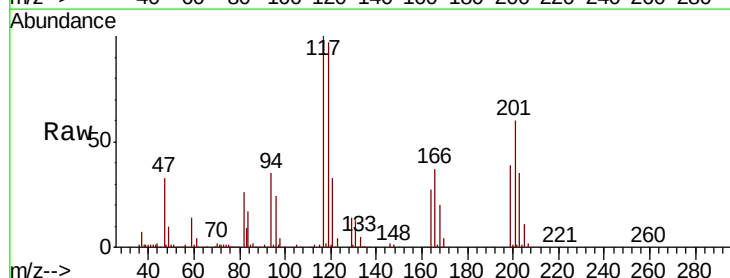
Manual Integrations
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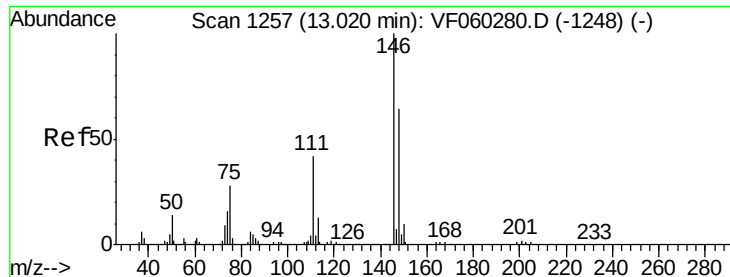
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#90
Hexachloroethane
Concen: 21.642 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion:	117	Resp:	82236
Ion Ratio	Lower	Upper	
117	100		
201	61.2	29.0	87.0





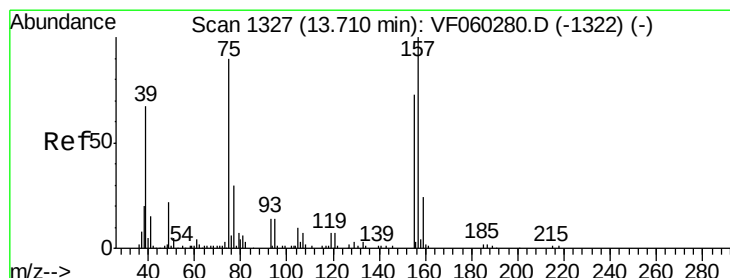
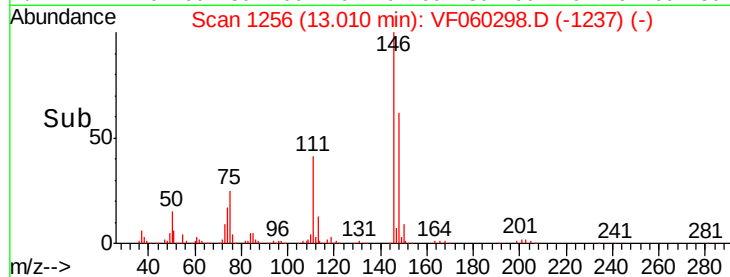
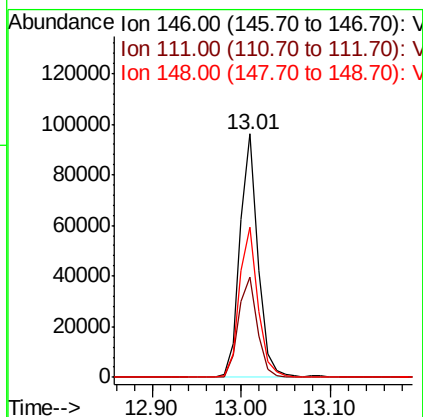
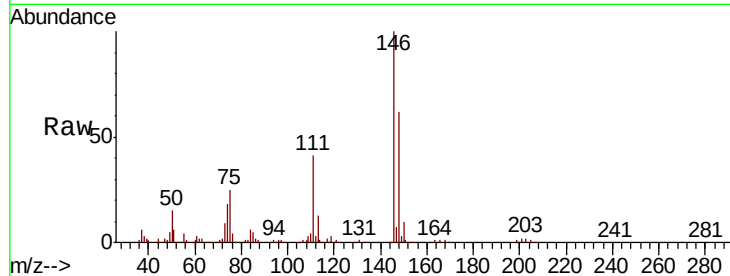
#91
 1,2-Dichlorobenzene
 Concen: 21.375 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

Tot Ion:	146	Resp:	136653
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.9	62.8
148	61.8	31.9	95.9

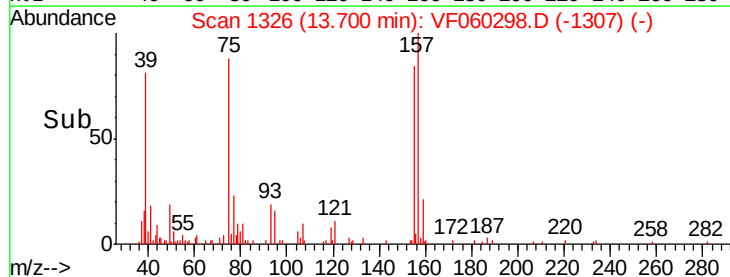
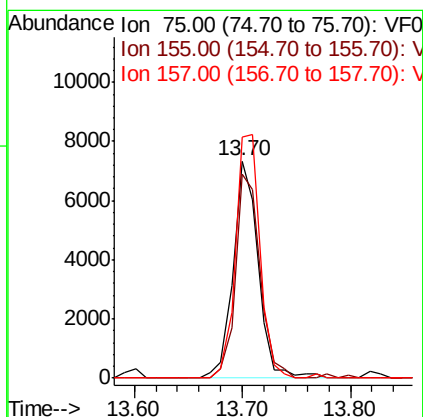
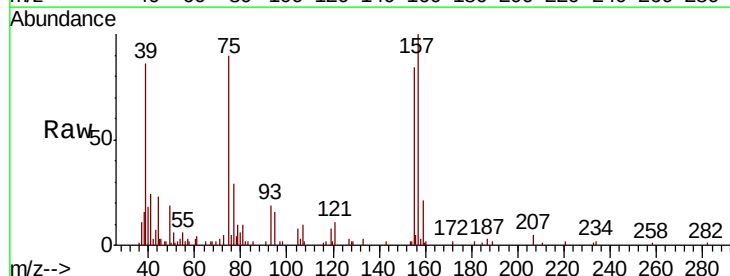
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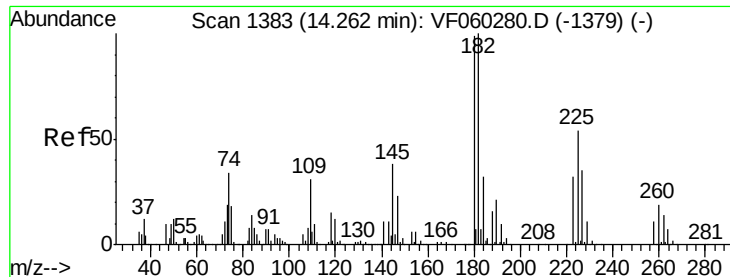
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.440 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion:	75	Resp:	11872
Ion Ratio	Lower	Upper	
75	100		
155	93.9	41.9	125.7
157	111.1	57.4	172.0





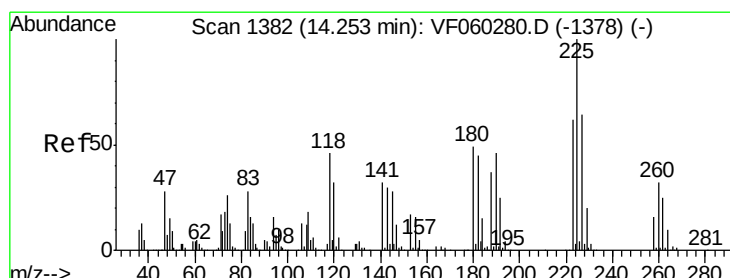
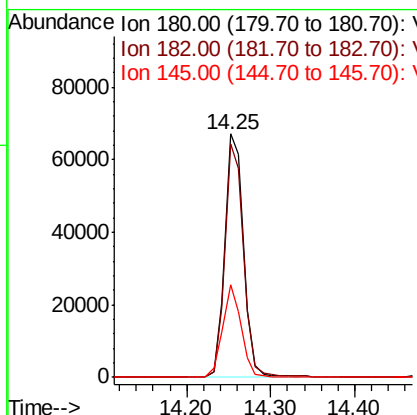
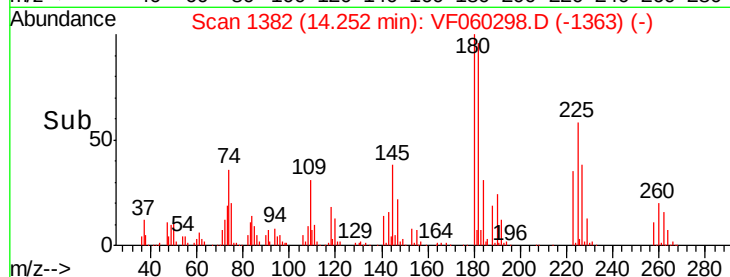
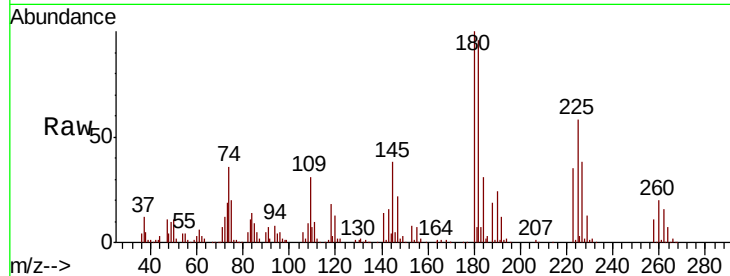
#93
 1,2,4-Trichlorobenzene
 Concen: 22.543 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	50.3	151.0	
145	38.2	18.9	56.9	

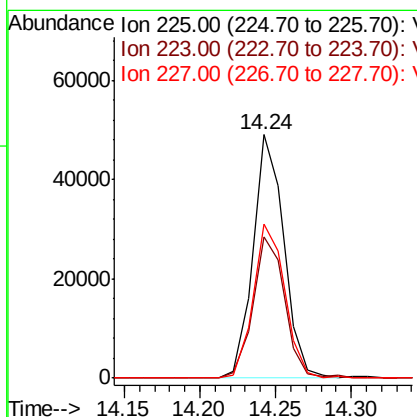
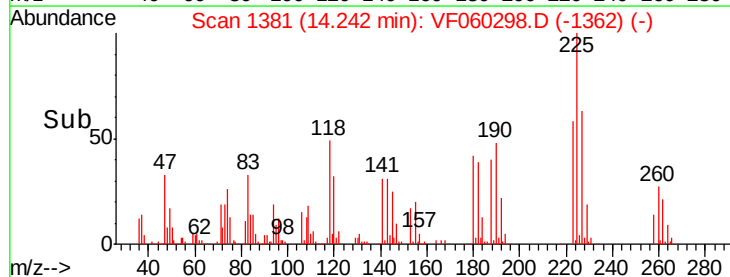
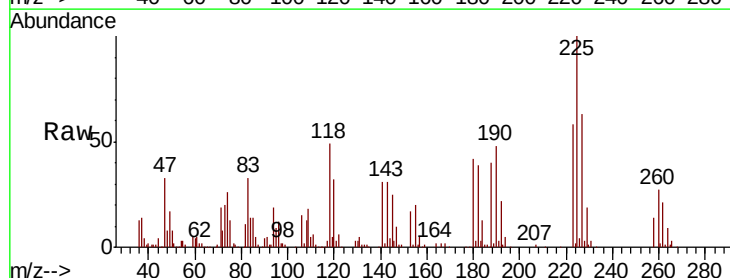
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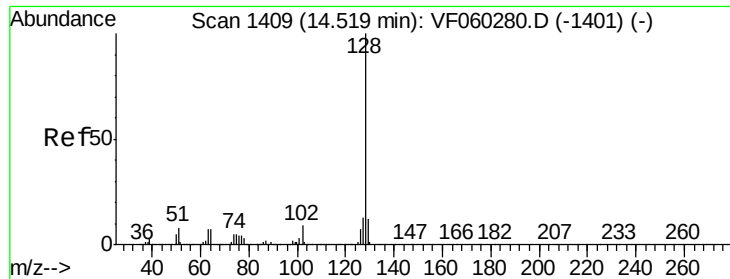
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#94
 Hexachlorobutadiene
 Concen: 22.219 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	57.8	31.2	93.6	
227	63.1	32.2	96.6	





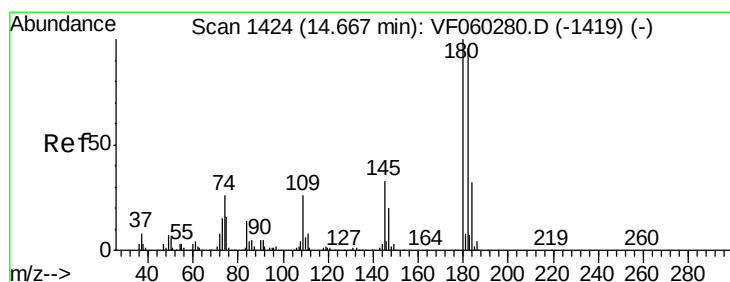
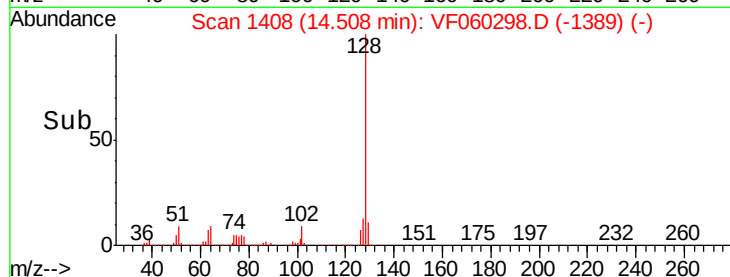
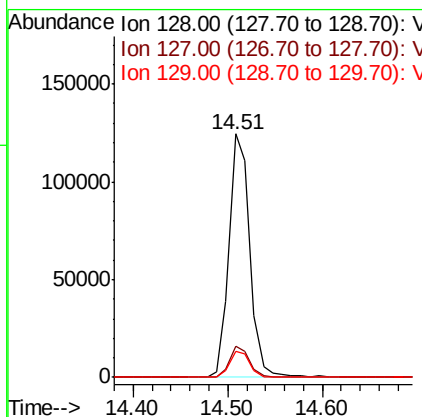
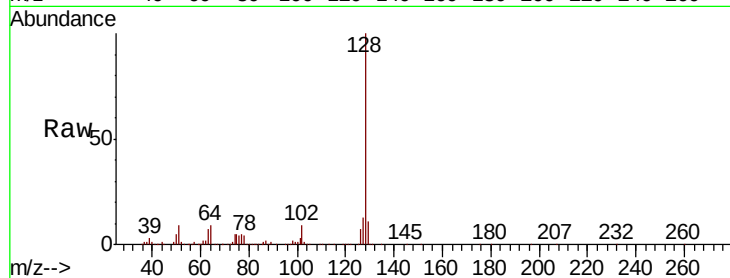
#95
Naphthalene
Concen: 23.362 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	190329		
127	12.6		10.1	15.1
129	10.9		9.8	14.8

Manual Integrations
APPROVED

apatel
9/21/2018 11:04:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.991 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94422		
182	92.0		47.8	143.4
145	35.2		16.4	49.1

