

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060295.D
 Acq On : 20 Sep 2018 10:22
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/21/2018 11:04:51 AM

Quant Time: Sep 20 15:49:40 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	5.02	168	260664	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	428037	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	381987	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	202245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	169952	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	4.27	113	182735	47.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	7.69	98	497246	50.04	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.49	95	205781	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	198776	50.998	ug/l	99
3) Chloromethane	1.13	50	154580	43.517	ug/l	94
4) Vinyl Chloride	1.17	62	167730	46.333	ug/l	100
5) Bromomethane	1.34	94	112944	56.178	ug/l	89
6) Chloroethane	1.42	64	83243	48.282	ug/l	96
7) Trichlorofluoromethane	1.54	101	341147	50.582	ug/l	94
8) Diethyl Ether	1.70	74	48656	43.362	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.88	101	170404	47.509	ug/l	94
10) Methyl Iodide	1.96	142	266565	46.086	ug/l	98
11) Tert butyl alcohol	2.67	59	51628	264.532	ug/l	96
12) 1,1-Dichloroethene	1.84	96	138207	46.592	ug/l	96
13) Acrolein	2.08	56	19308	313.885	ug/l	87
14) Allyl chloride	2.18	41	245777	47.481	ug/l	97
15) Acrylonitrile	3.06	53	112902	227.753	ug/l	97
16) Acetone	2.33	43	295352	298.797	ug/l	98
17) Carbon Disulfide	1.88	76	391895	52.950	ug/l	97
18) Methyl Acetate	2.43	43	71371	43.342	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	333106	45.045	ug/l	100
20) Methylene Chloride	2.27	84	132110m	49.392	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	137735	44.957	ug/l	92
22) Diisopropyl ether	2.91	45	452061	46.287	ug/l	96
23) Vinyl Acetate	3.31	43	823731	214.748	ug/l	100
24) 1,1-Dichloroethane	2.99	63	297579	46.982	ug/l	99
25) 2-Butanone	4.48	43	339556	255.214	ug/l	97
26) 2,2-Dichloropropane	3.75	77	174918	48.400	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	181824	45.175	ug/l	88
28) Bromochloromethane	3.86	49	109898	44.565	ug/l	88
29) Tetrahydrofuran	4.23	42	107006	219.624	ug/l	99
30) Chloroform	4.01	83	347130	45.421	ug/l	95
31) Cyclohexane	3.84	56	229765	42.946	ug/l	98
32) 1,1,1-Trichloroethane	4.25	97	293109	48.605	ug/l	98
36) 1,1-Dichloropropene	4.44	75	251111	47.032	ug/l	98
37) Ethyl Acetate	4.27	43	102994	45.590	ug/l	96
38) Carbon Tetrachloride	4.15	117	283606m	49.453	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	256876	44.391	ug/l	93
40) Benzene	4.78	78	562505	46.463	ug/l	99
41) Methacrylonitrile	4.90	41	56615	46.184	ug/l	95
42) 1,2-Dichloroethane	5.10	62	214888	48.223	ug/l	100
43) Isopropyl Acetate	7.09	43	118031	43.398	ug/l #	96
44) Trichloroethene	5.65	130	164670	45.704	ug/l	97
45) 1,2-Dichloropropane	6.38	63	153511	48.995	ug/l	93
46) Dibromomethane	6.23	93	109004	48.670	ug/l	90
47) Bromodichloromethane	6.53	83	267394	49.681	ug/l	95
48) Methyl methacrylate	6.85	41	83814	43.901	ug/l	93
49) 1,4-Dioxane	6.85	88	16229	951.497	ug/l	86
51) 4-Methyl-2-Pentanone	8.38	43	522916	249.461	ug/l	98
52) Toluene	7.76	92	359079	46.884	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	206510	47.568	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	258149	47.201	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	114276	49.161	ug/l	98
56) Ethyl methacrylate	8.74	69	125817	44.816	ug/l	94
57) 1,3-Dichloropropane	8.98	76	187420	48.694	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	54863	221.058	ug/l	100
59) 2-Hexanone	9.61	43	348613	233.577	ug/l	100
60) Dibromochloromethane	8.84	129	169605	48.953	ug/l	100
61) 1,2-Dibromoethane	9.12	107	120848	46.686	ug/l	98
64) Tetrachloroethene	8.28	164	154499	44.617	ug/l	96
65) Chlorobenzene	9.92	112	399117	46.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	171122	47.629	ug/l	93
67) Ethyl Benzene	10.01	91	721125	45.050	ug/l	99
68) m/p-Xylenes	10.25	106	503668	91.074	ug/l	90
69) o-Xylene	10.81	106	289536	46.677	ug/l	97
70) Styrene	10.88	104	409221	46.779	ug/l	97
71) Bromoform	10.87	173	93608	47.440	ug/l #	97
73) Isopropylbenzene	11.21	105	855237	47.105	ug/l	99
74) N-amyl acetate	11.44	43	147285	38.042	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	143535	44.608	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	107448	46.638	ug/l	87
77) Bromobenzene	11.58	156	174655	44.636	ug/l	96
78) n-propylbenzene	11.67	91	1000222	57.083	ug/l	99
79) 2-Chlorotoluene	11.80	91	563164	45.983	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	683260	46.751	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	56001m	45.995	ug/l	
82) 4-Chlorotoluene	11.98	91	578904	47.028	ug/l	99
83) tert-Butylbenzene	12.20	119	685623	46.278	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	659308	44.426	ug/l	99
85) sec-Butylbenzene	12.37	105	959924	56.778	ug/l	98
86) p-Isopropyltoluene	12.53	119	764467	56.491	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	334876	45.800	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	344841	47.716	ug/l	99
89) n-Butylbenzene	12.90	91	817092	53.661	ug/l	98
90) Hexachloroethane	12.98	117	196599	47.422	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	330583	47.396	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	26654	44.120	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	237670	46.881	ug/l	99
94) Hexachlorobutadiene	14.24	225	162470	47.407	ug/l	97
95) Naphthalene	14.51	128	362913	40.830	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	215913	46.091	ug/l	97

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

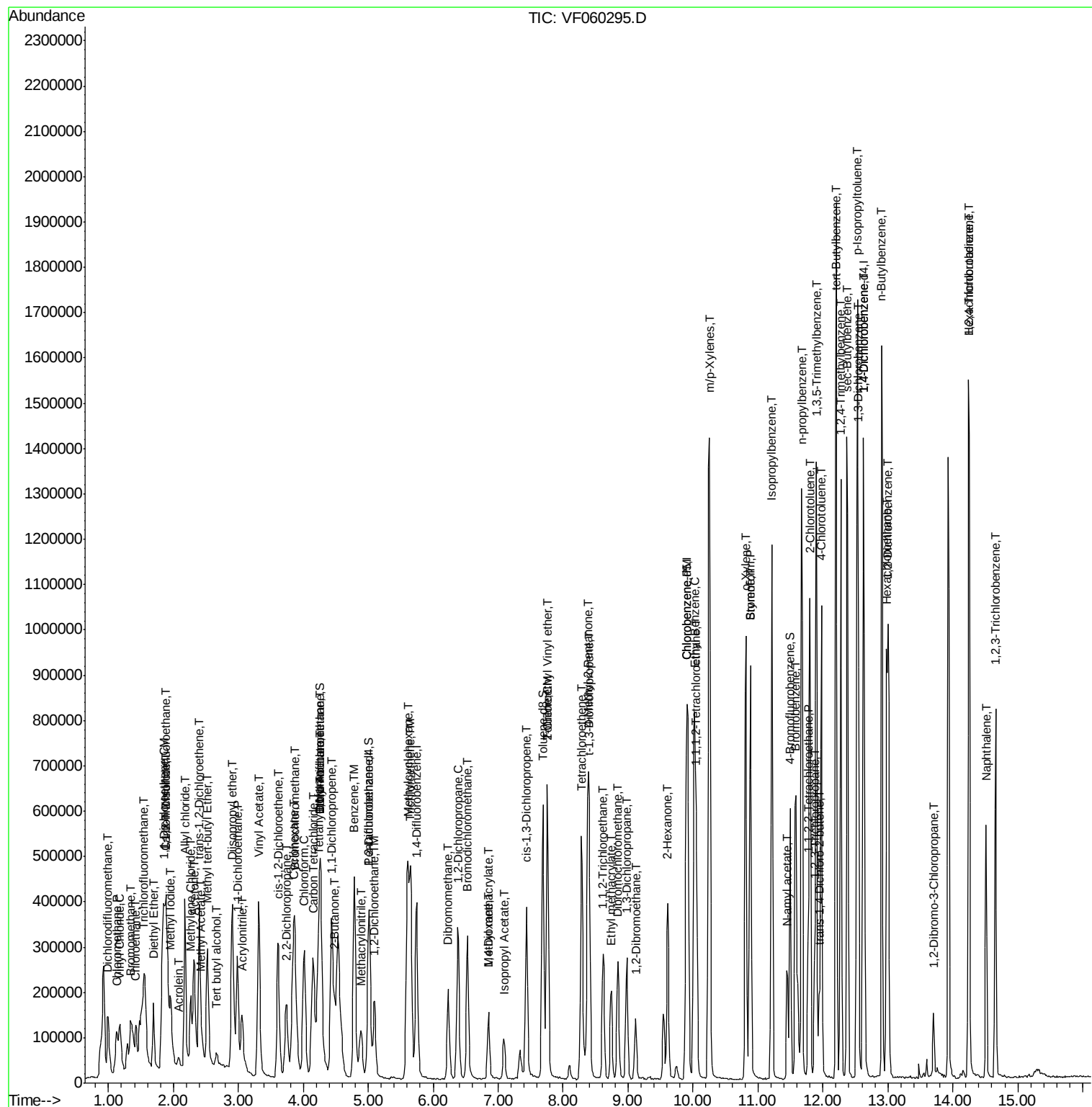
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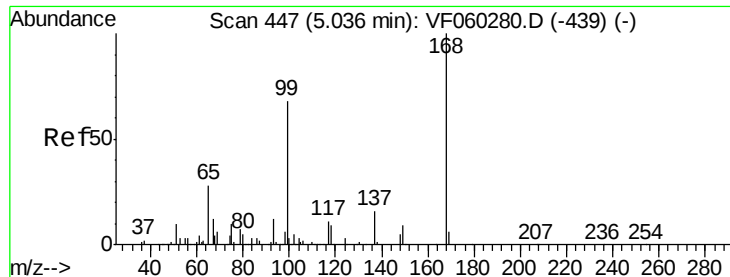
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 260664

Ion Ratio Lower Upper

168 100

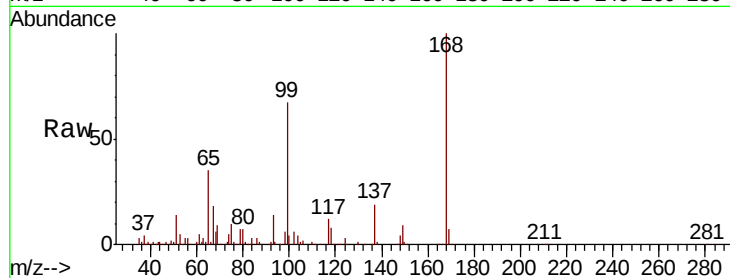
99 67.2 54.8 82.2

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

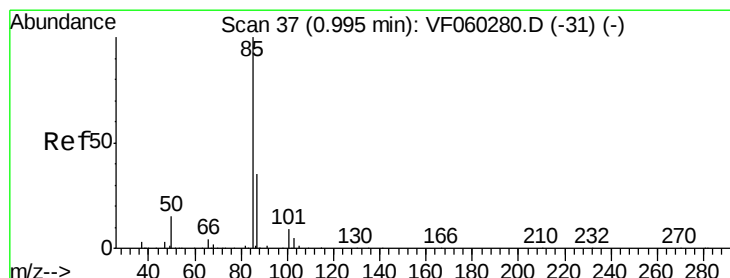
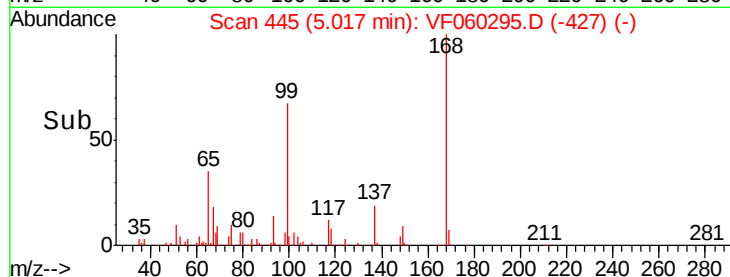
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 50.998 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060295.D

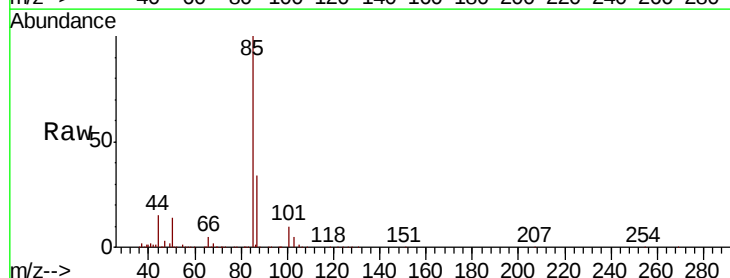
Acq: 20 Sep 2018 10:22

Tgt Ion: 85 Resp: 198776

Ion Ratio Lower Upper

85 100

87 34.0 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

80000

60000

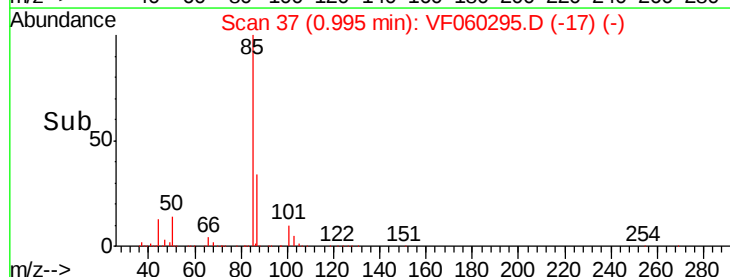
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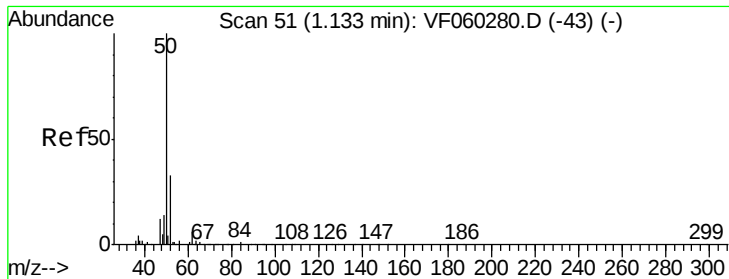
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 43.517 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 154580

Ion Ratio Lower Upper

50 100

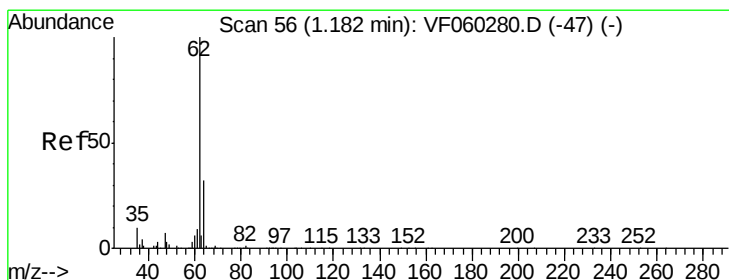
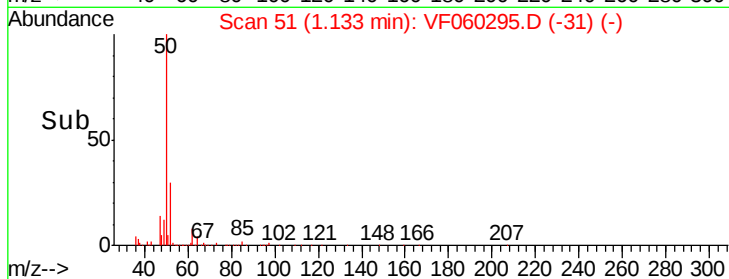
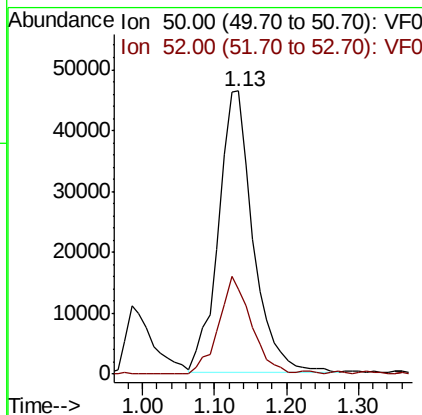
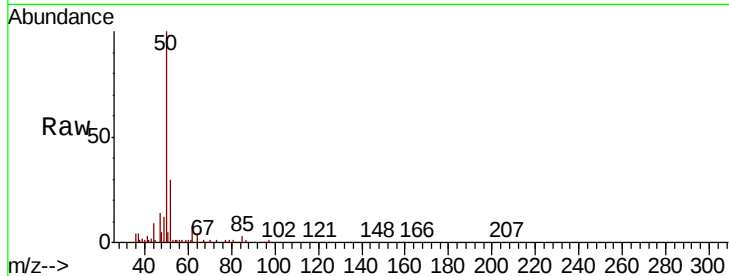
52 30.0 26.5 39.7

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#4

Vinyl Chloride

Concen: 46.333 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060295.D

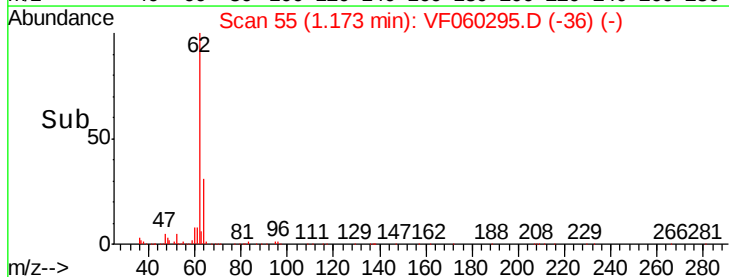
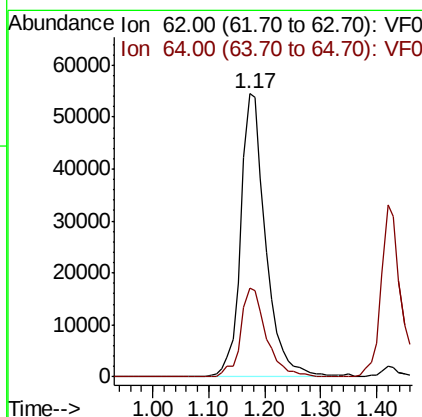
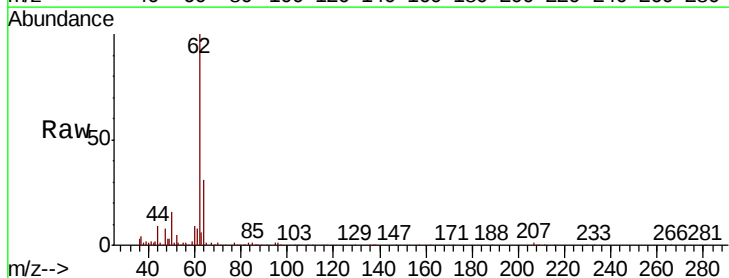
Acq: 20 Sep 2018 10:22

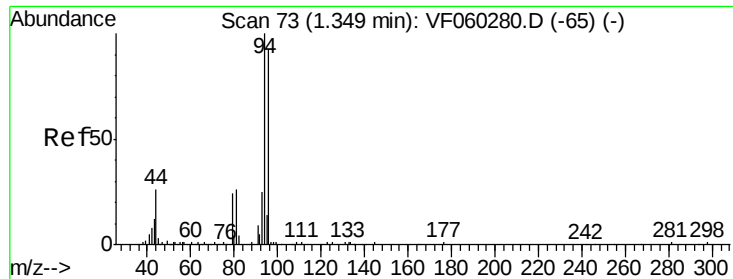
Tgt Ion: 62 Resp: 167730

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 56.178 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

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ClientSampleId :

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Tot Ion: 94 Resp: 112944

Ion Ratio Lower Upper

94 100

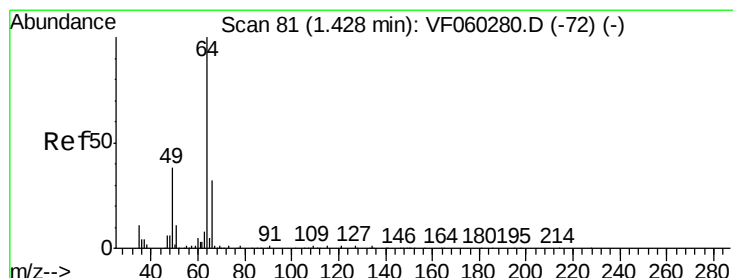
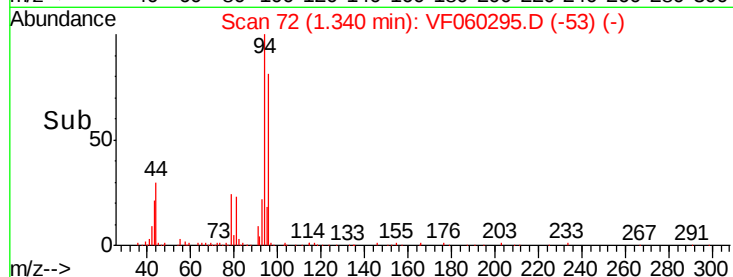
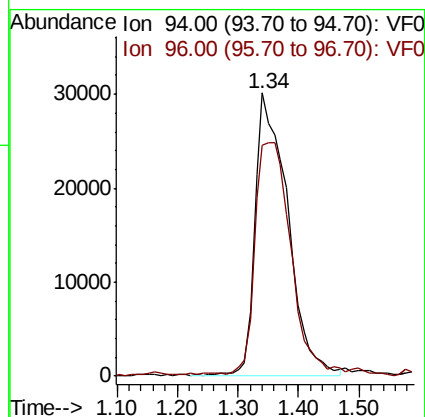
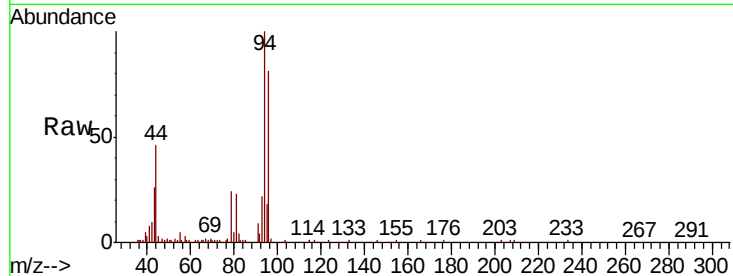
96 81.5 73.9 110.9

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#6

Chloroethane

Concen: 48.282 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060295.D

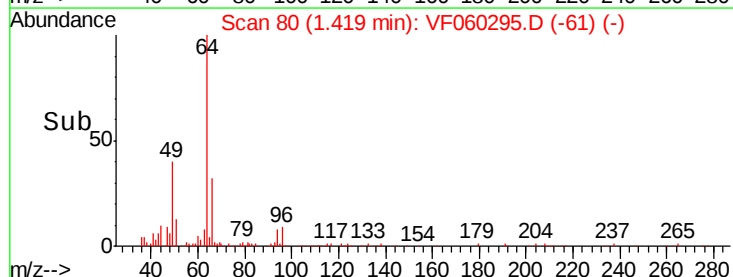
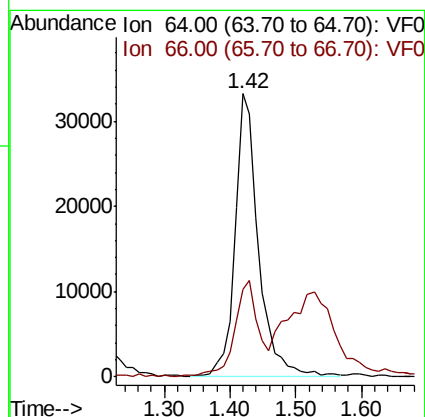
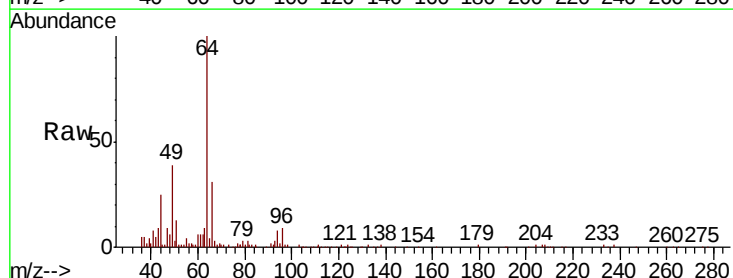
Acq: 20 Sep 2018 10:22

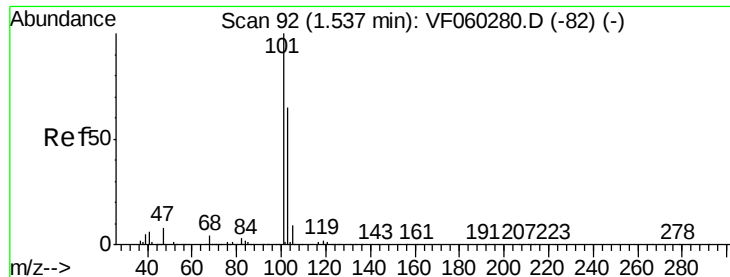
Tgt Ion: 64 Resp: 83243

Ion Ratio Lower Upper

64 100

66 30.7 26.2 39.2





#7

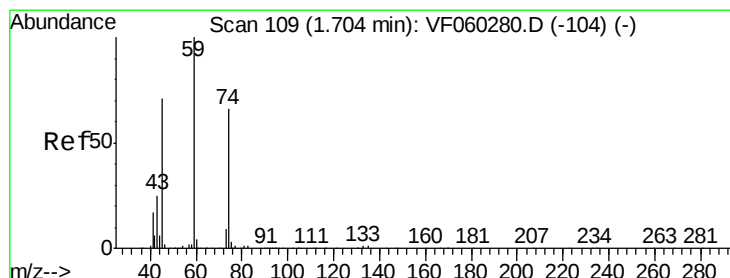
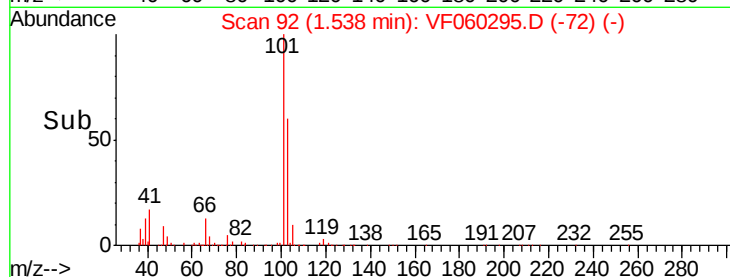
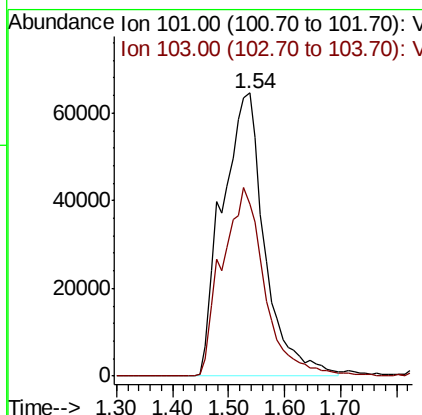
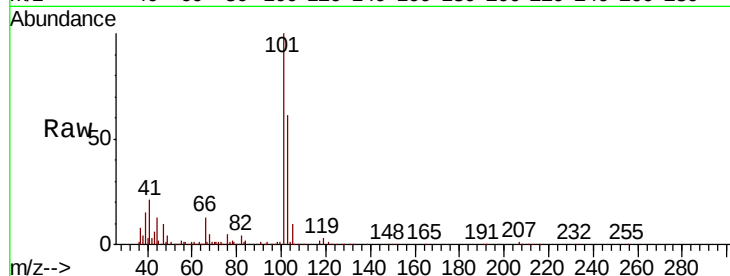
Trichlorofluoromethane
Concen: 50.582 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.00 min
Lab File: VF060295.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.6	52.0	78.0

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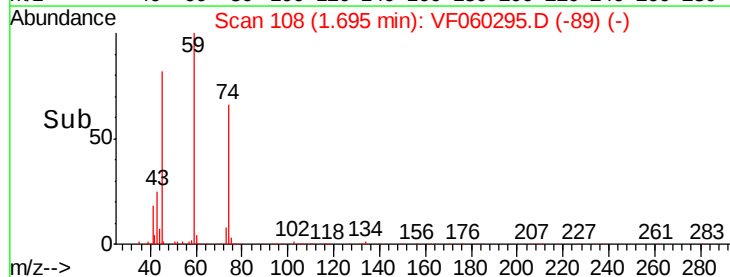
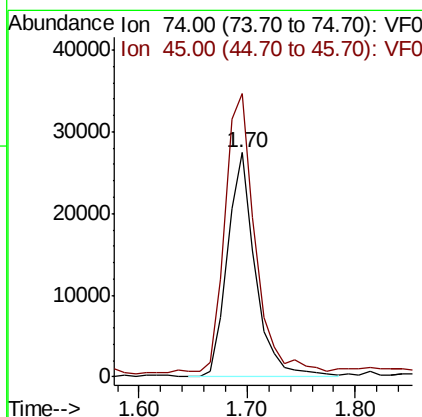
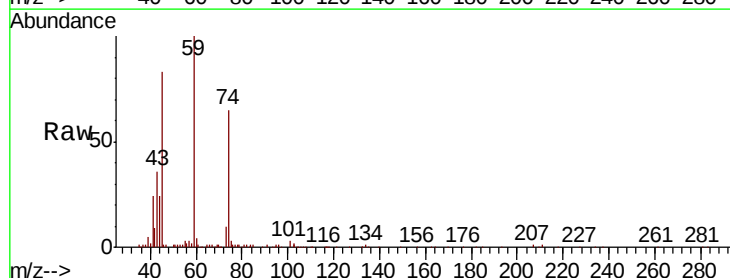
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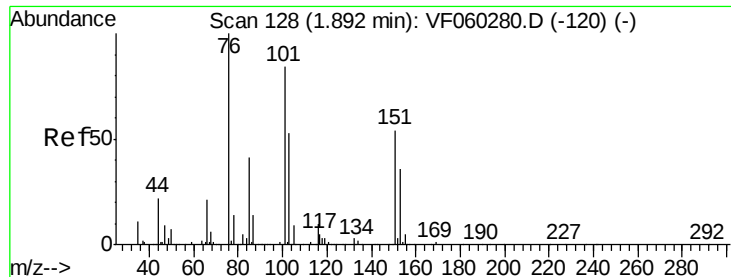


#8

Diethyl Ether
Concen: 43.362 ug/l
RT: 1.70 min Scan# 108
Delta R.T. -0.01 min
Lab File: VF060295.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	126.2	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.509 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060295.D

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Instrument :

MSVOA_F

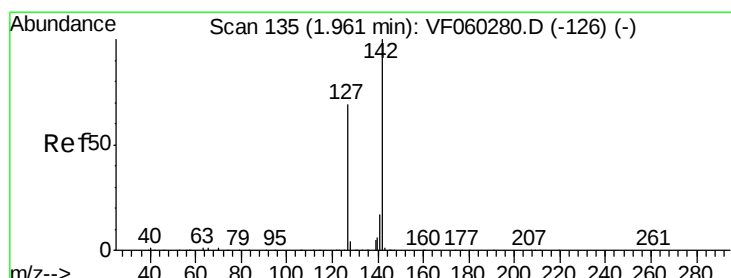
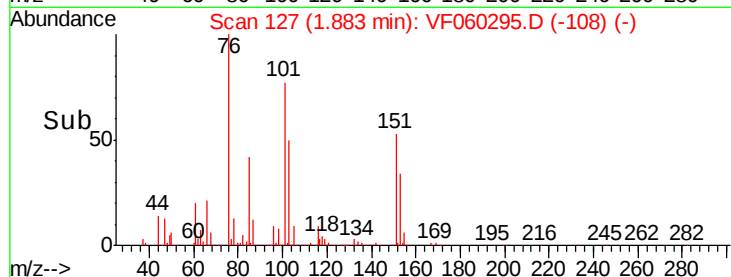
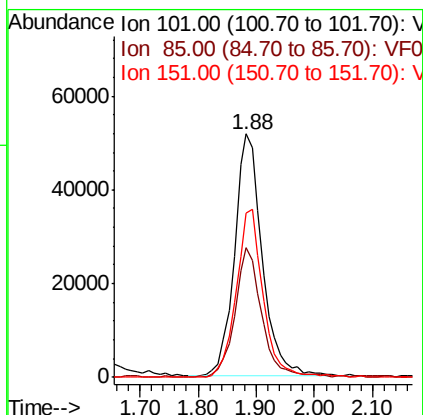
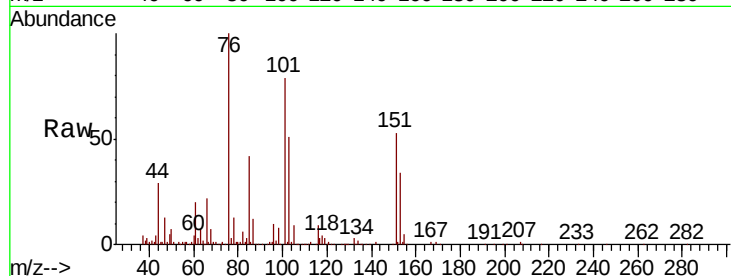
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	170404
Ion Ratio	Lower	Upper	
101	100		
85	53.4	38.7	58.1
151	67.2	50.8	76.2

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#10

Methyl Iodide

Concen: 46.086 ug/l

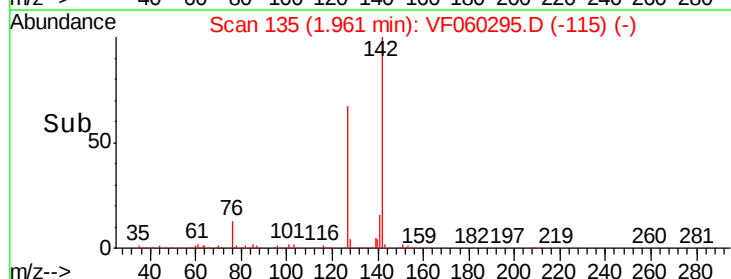
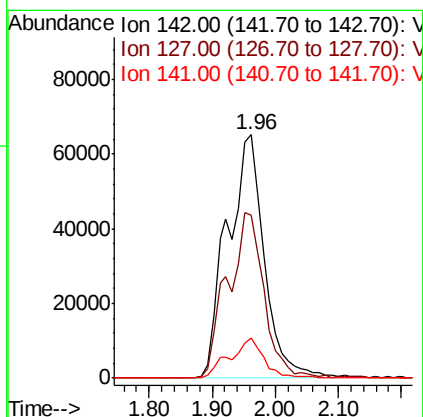
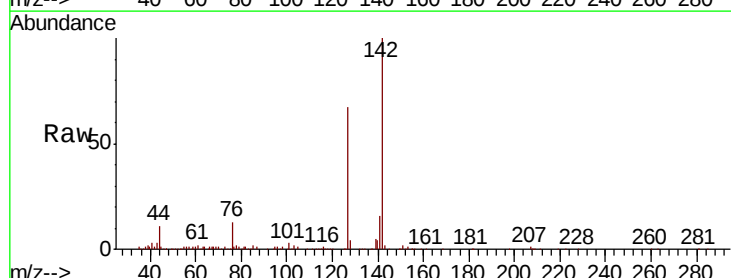
RT: 1.96 min Scan# 135

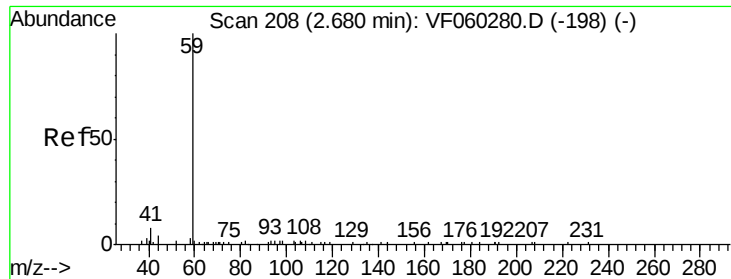
Delta R.T. 0.00 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion:	142	Resp:	266565
Ion Ratio	Lower	Upper	
142	100		
127	66.8	55.4	83.0
141	16.4	13.3	19.9





#11

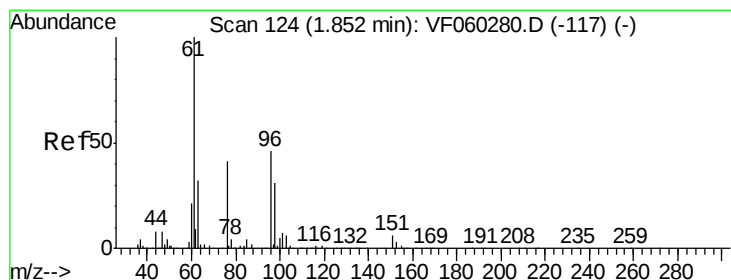
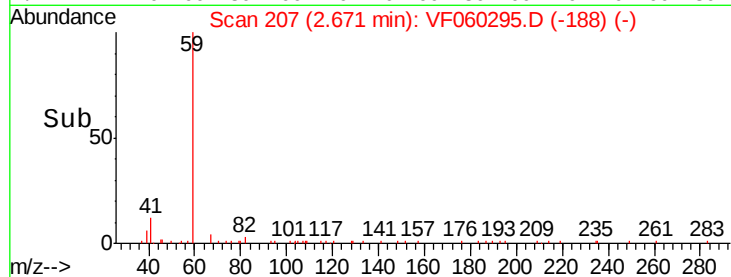
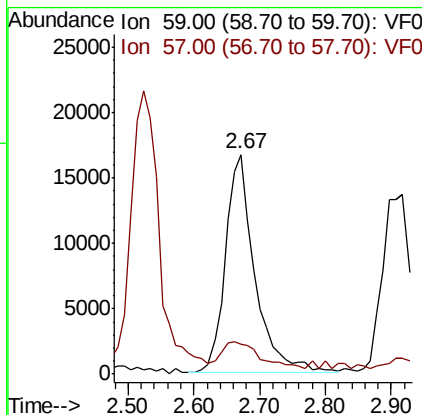
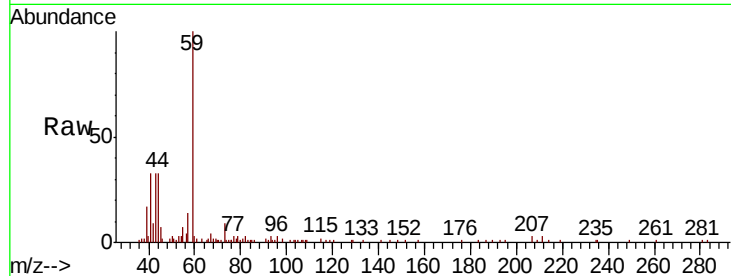
Tert butyl alcohol
 Concen: 264.532 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	51628
Ion Ratio	100	Lower	Upper
59	100		
57	13.8	12.4	18.6

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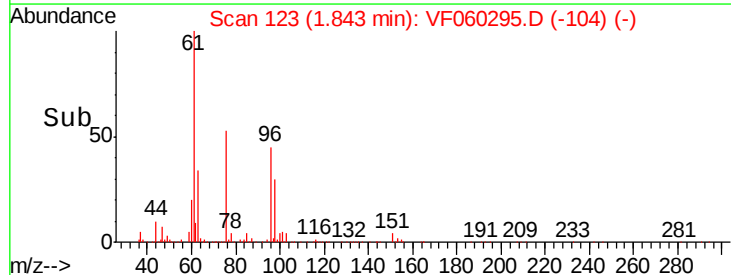
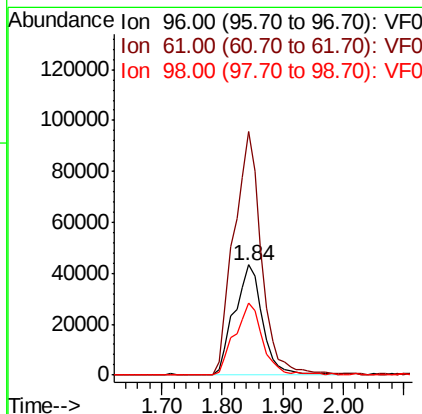
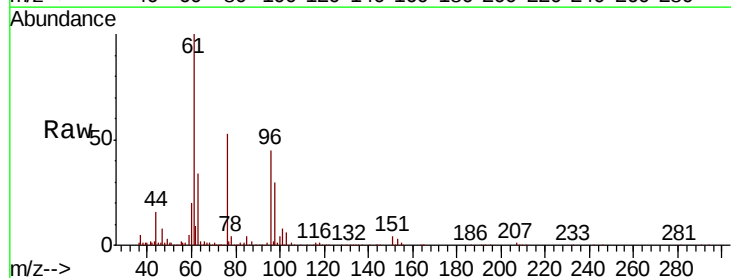
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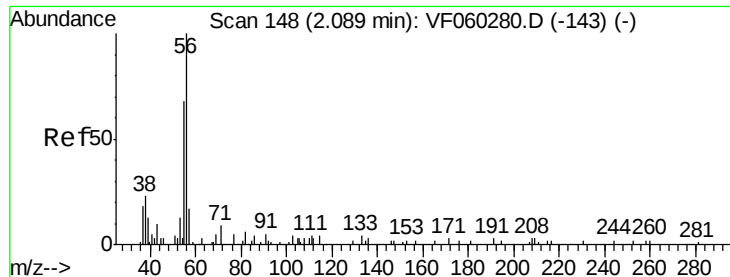


#12

1,1-Dichloroethene
 Concen: 46.592 ug/l
 RT: 1.84 min Scan# 123
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion	96	Resp	138207
Ion Ratio	100	Lower	Upper
96	100		
61	221.4	172.2	258.2
98	65.4	54.1	81.1





#13

Acrolein

Concen: 313.885 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 19308

Ion Ratio Lower Upper

56 100

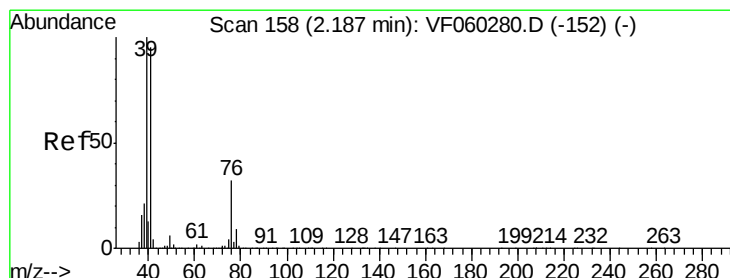
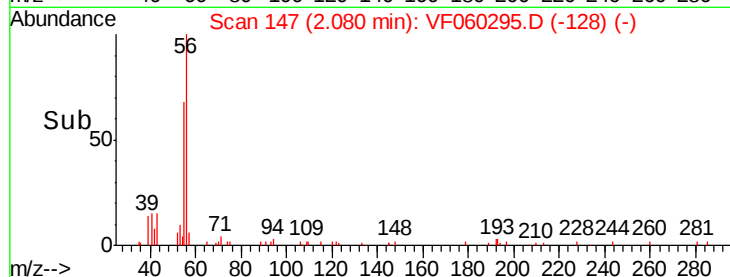
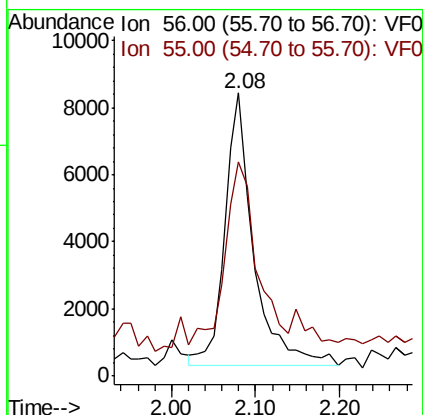
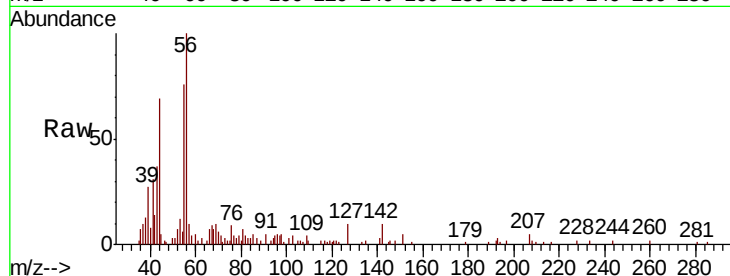
55 75.7 69.9 104.9

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#14

Allyl chloride

Concen: 47.481 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

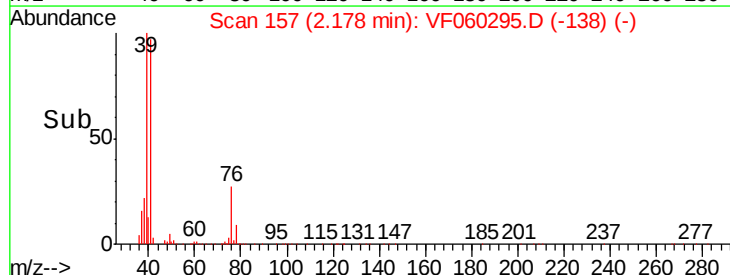
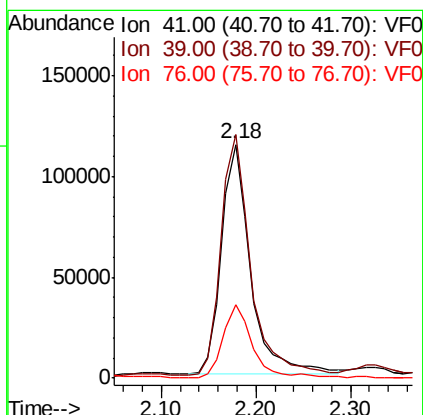
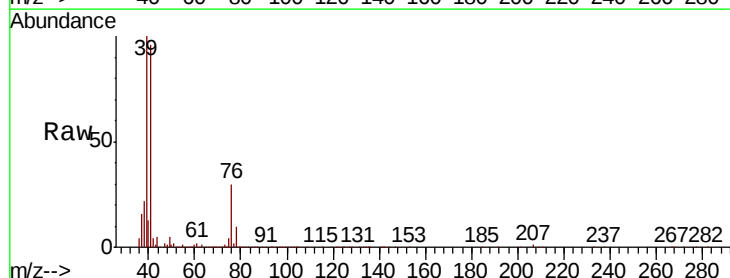
Tgt Ion: 41 Resp: 245777

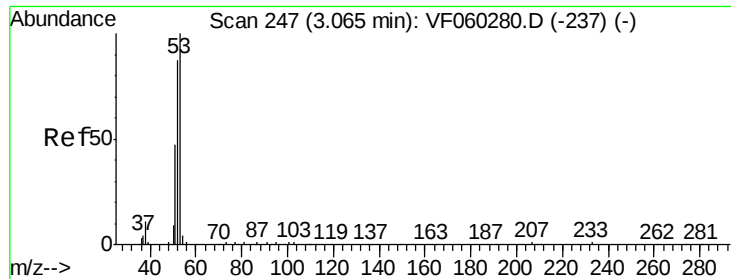
Ion Ratio Lower Upper

41 100

39 104.2 84.8 127.2

76 31.3 27.4 41.2





#15

Acrylonitrile

Concen: 227.753 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

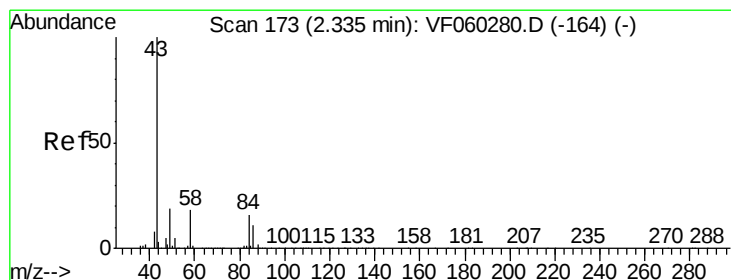
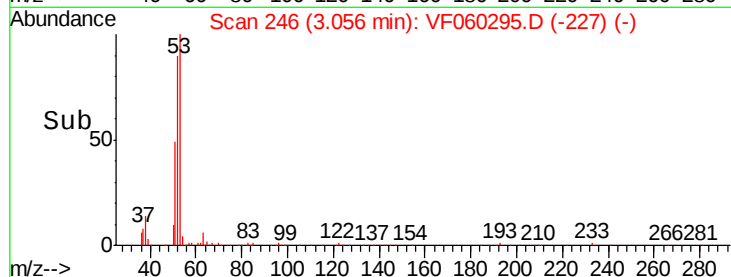
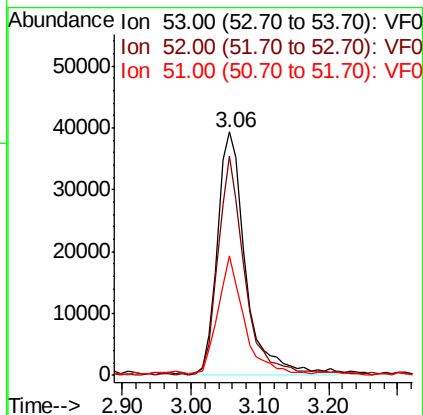
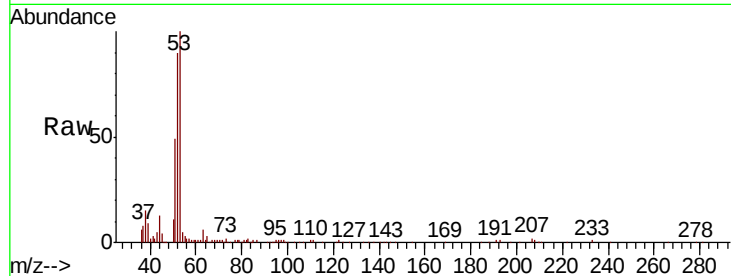
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	112902
Ion Ratio	Lower	Upper	
53	100		
52	89.8	69.5	104.3
51	49.0	38.1	57.1

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#16

Acetone

Concen: 298.797 ug/l

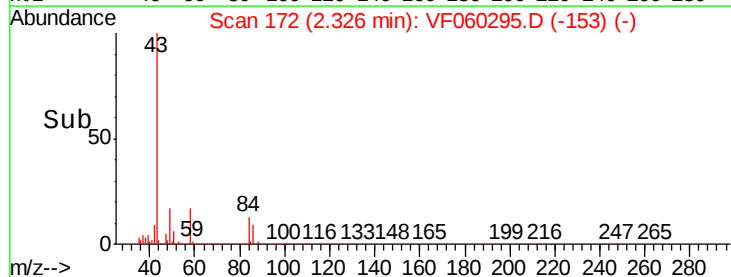
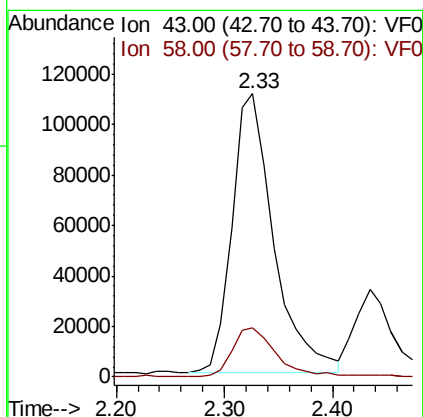
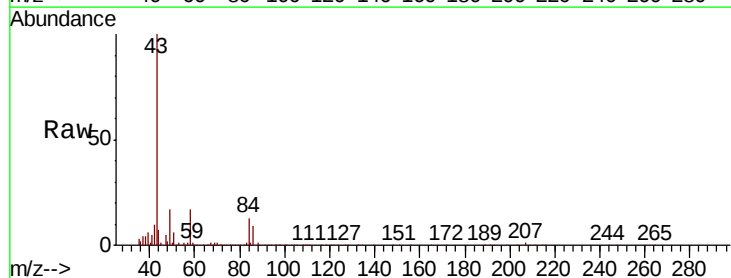
RT: 2.33 min Scan# 172

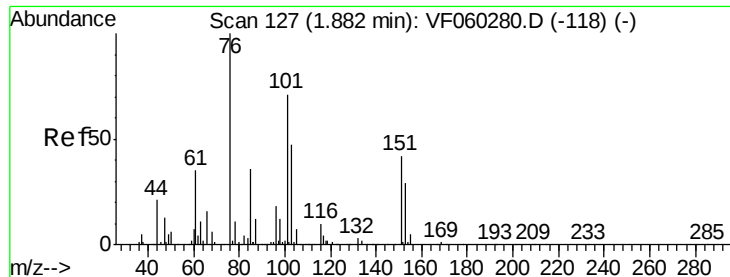
Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion:	43	Resp:	295352
Ion Ratio	Lower	Upper	
43	100		
58	17.3	14.5	21.7





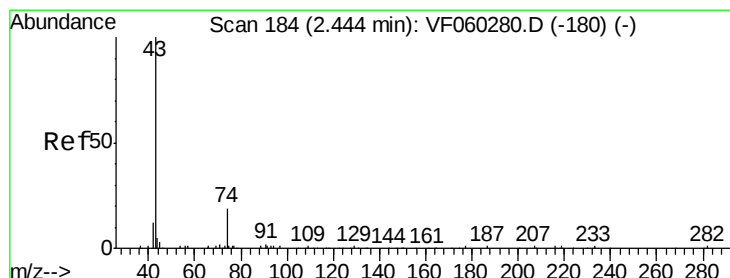
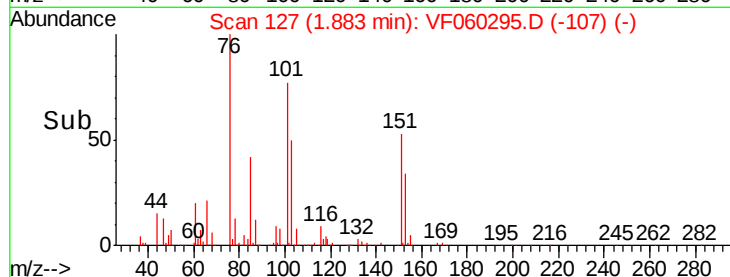
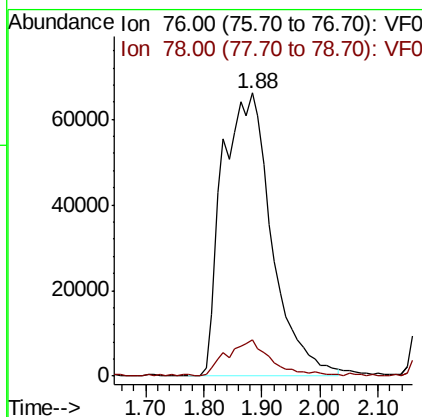
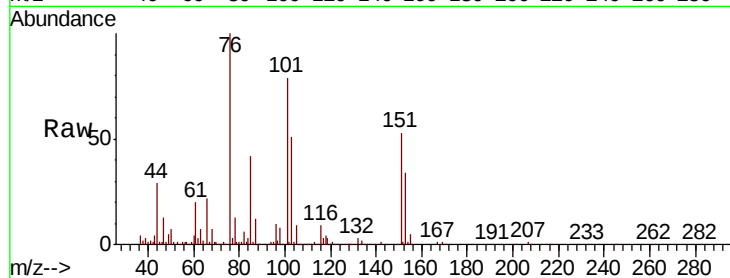
#17
Carbon Disulfide
Concen: 52.950 ug/l
RT: 1.88 min Scan# 127
Delta R.T. 0.00 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	13.0	9.4	14.0

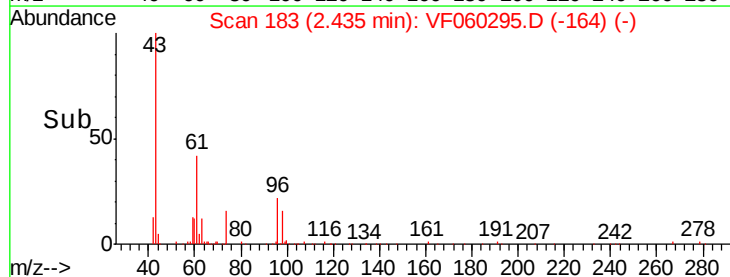
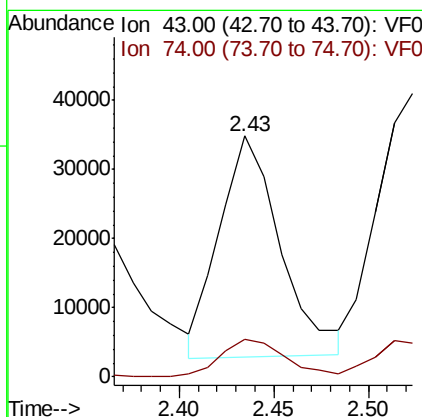
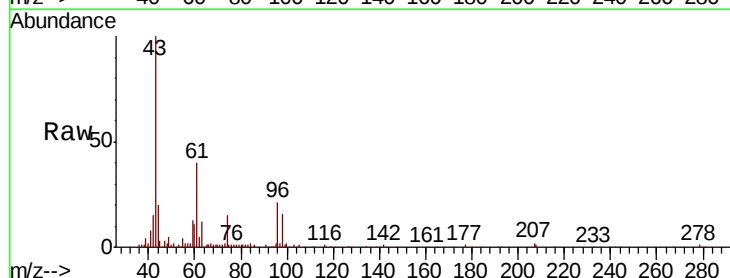
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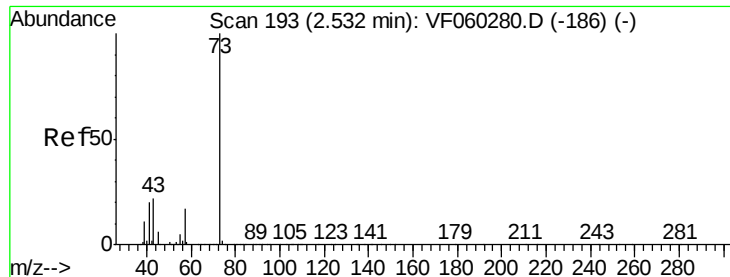
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#18
Methyl Acetate
Concen: 43.342 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.5	12.7	19.1





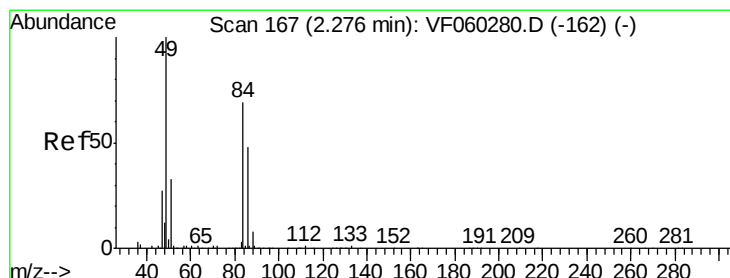
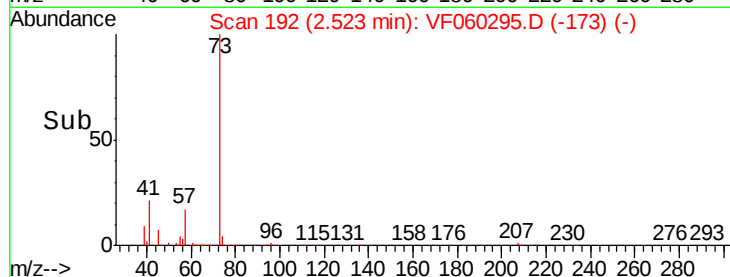
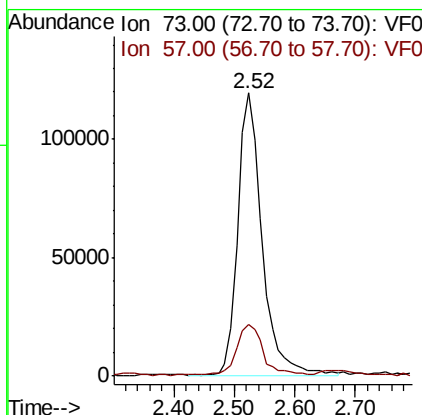
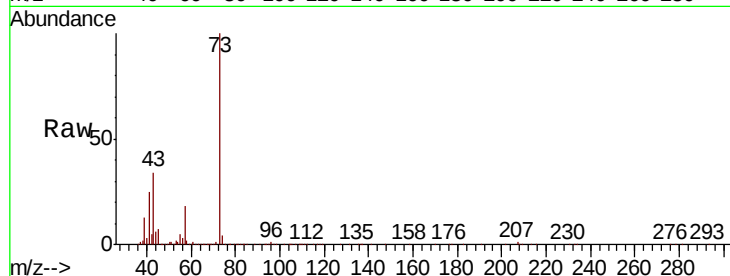
#19
Methyl tert-butyl Ether
Concen: 45.045 ug/l
RT: 2.52 min Scan# 192
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.1	14.5	21.7

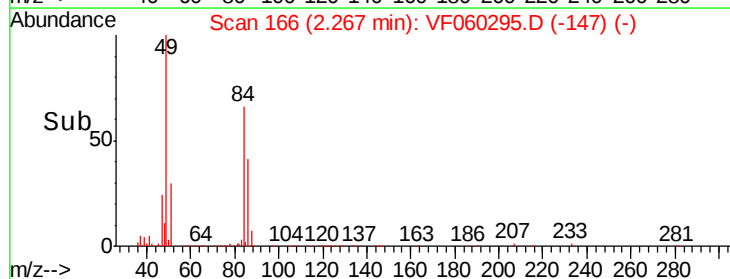
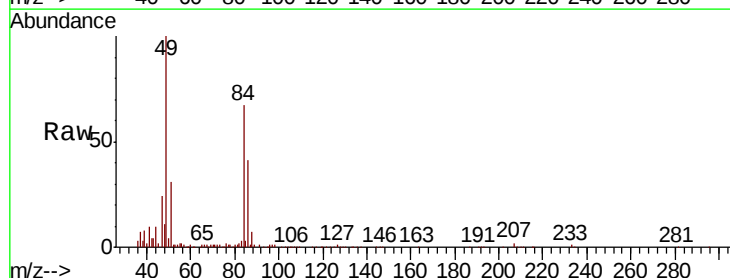
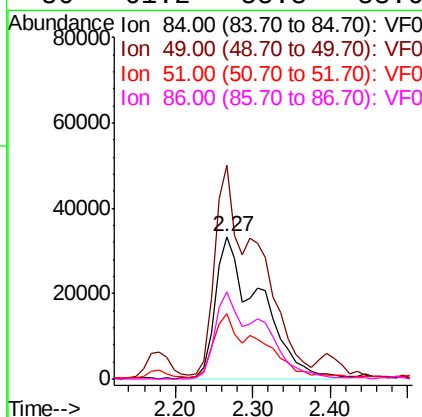
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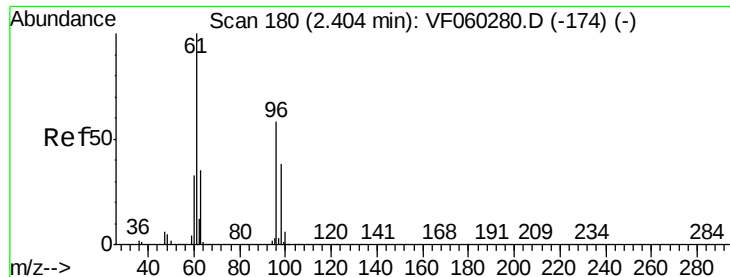
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#20
Methylene Chloride
Concen: 49.392 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.6	118.3	177.5
51	46.0	38.7	58.1
86	61.2	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 44.957 ug/l

RT: 2.40 min Scan# 179

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

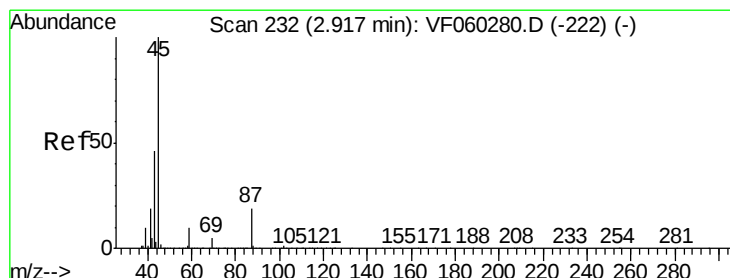
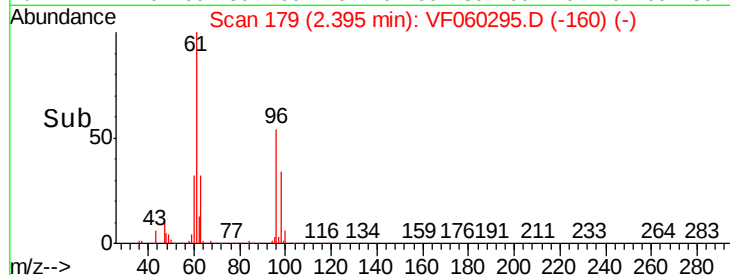
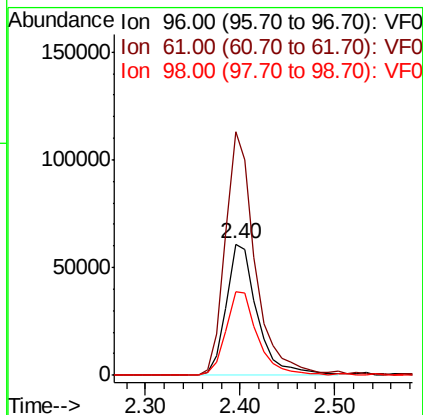
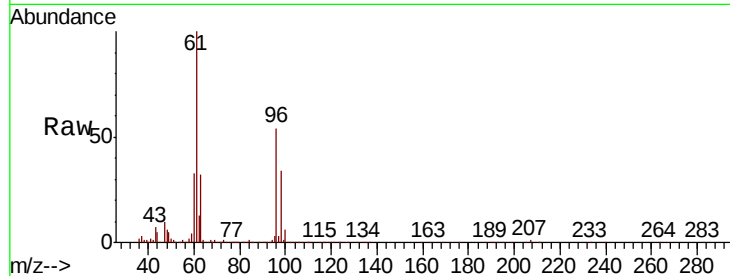
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	137735
Ion	Ratio	Lower	Upper
96	100		
61	185.8	136.4	204.6
98	63.5	51.8	77.6

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#22

Diisopropyl ether

Concen: 46.287 ug/l

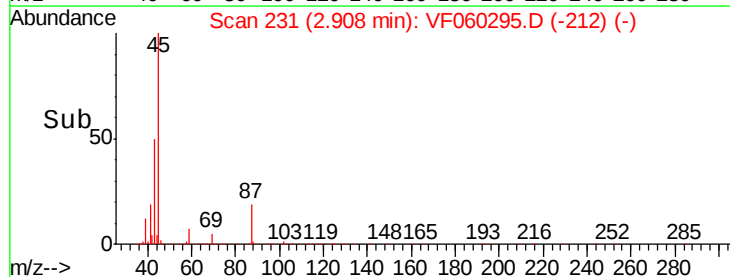
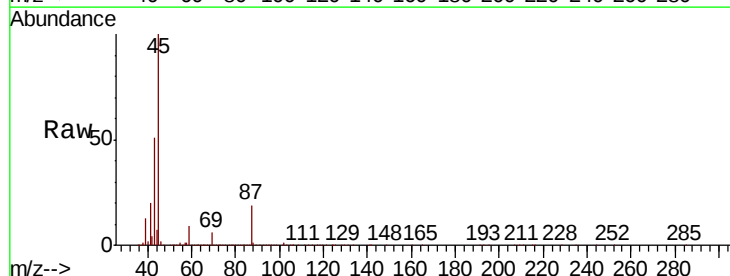
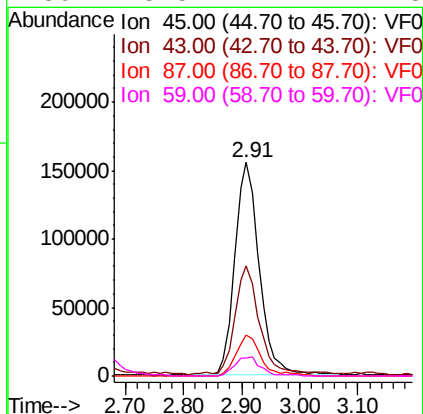
RT: 2.91 min Scan# 231

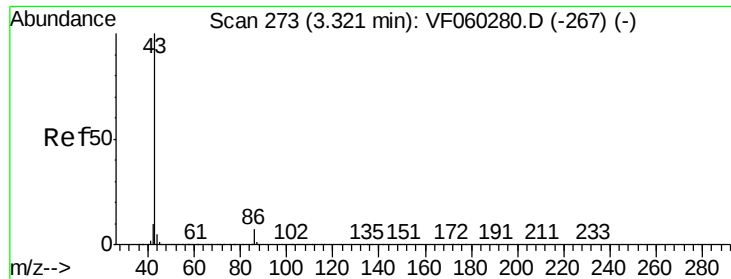
Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion:	45	Resp:	452061
Ion	Ratio	Lower	Upper
45	100		
43	51.5	38.2	57.2
87	19.2	15.5	23.3
59	8.5	7.7	11.5





#23

Vinyl Acetate

Concen: 214.748 ug/l

RT: 3.31 min Scan# 272

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 823731

Ion Ratio Lower Upper

43 100

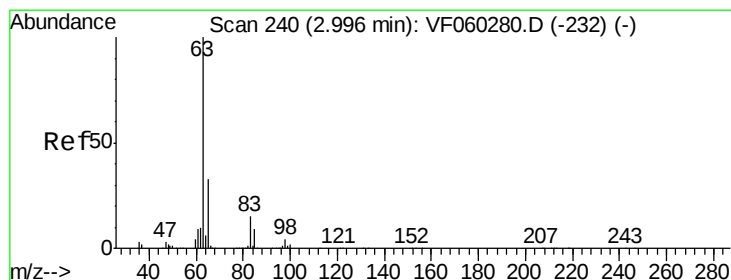
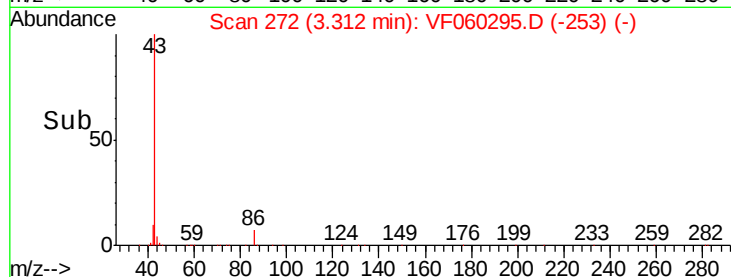
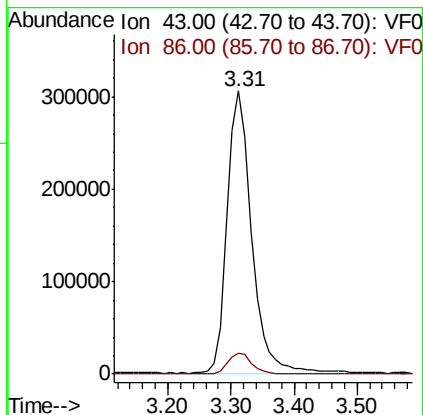
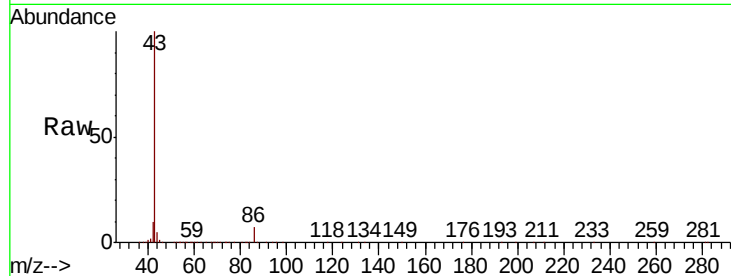
86 7.3 5.9 8.9

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#24

1,1-Dichloroethane

Concen: 46.982 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

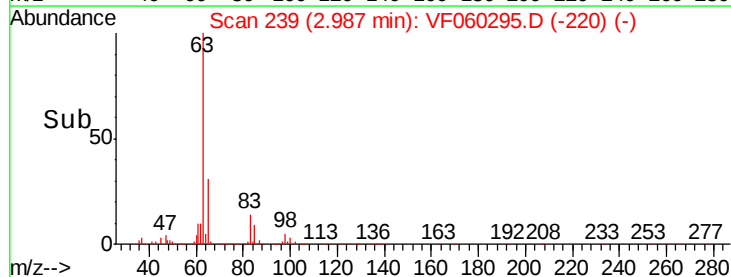
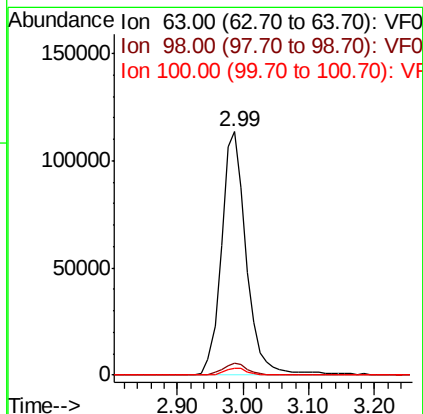
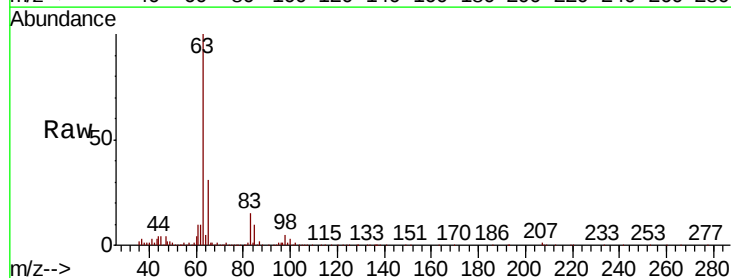
Tgt Ion: 63 Resp: 297579

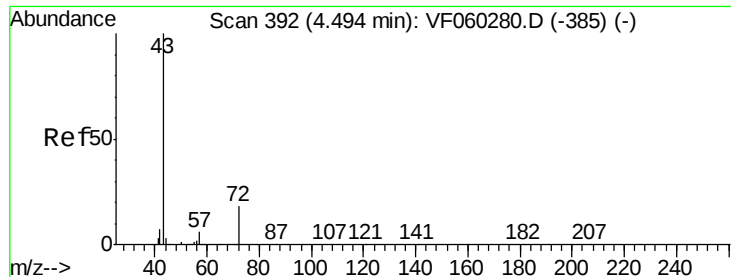
Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.5

100 2.8 1.1 3.3





#25

2-Butanone

Concen: 255.214 ug/l

RT: 4.48 min Scan# 391

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 339556

Ion Ratio Lower Upper

43 100

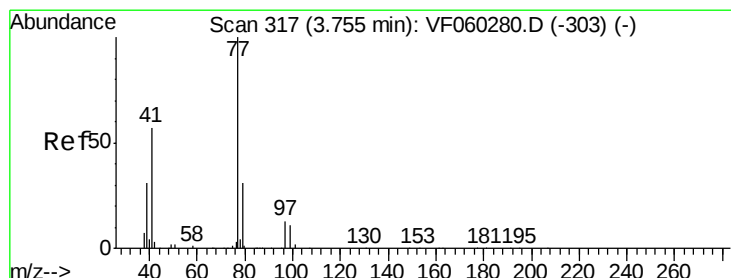
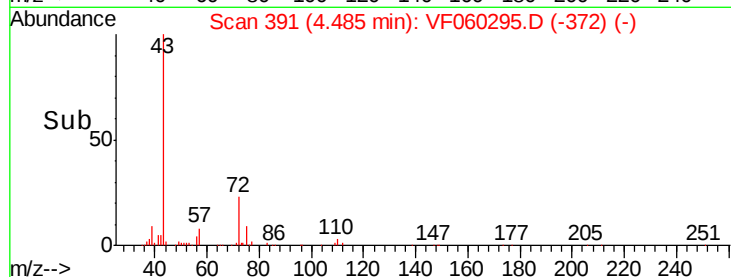
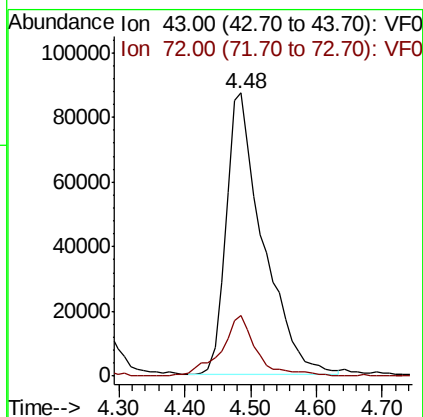
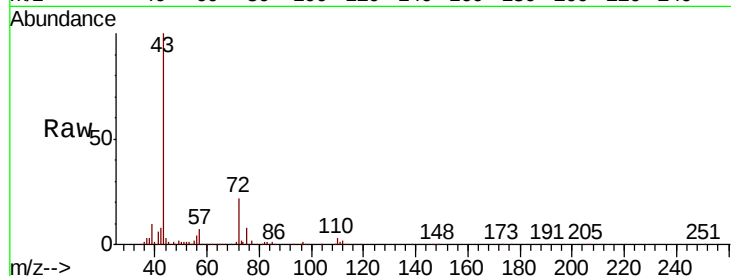
72 21.6 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 48.400 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060295.D

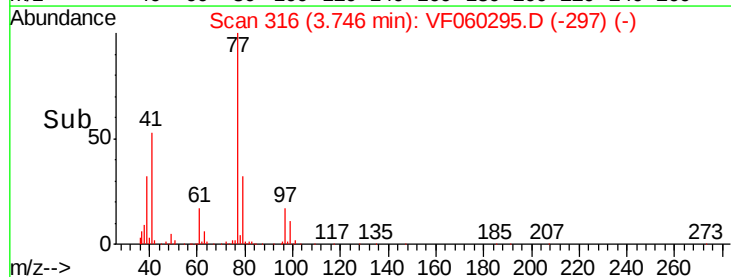
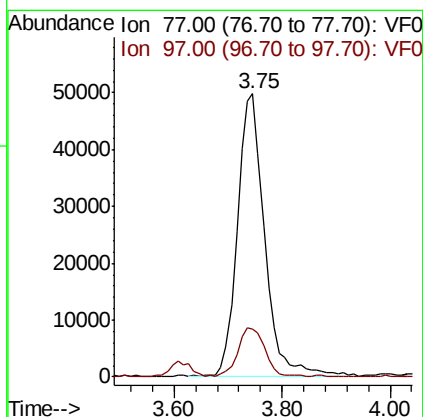
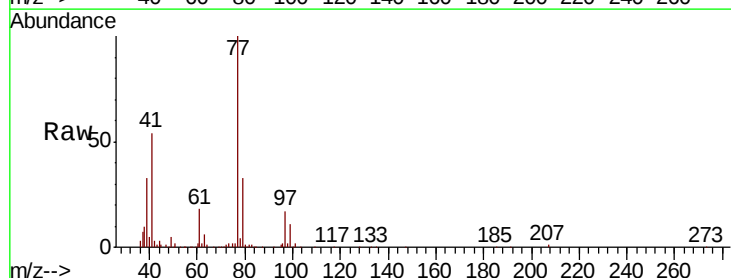
Acq: 20 Sep 2018 10:22

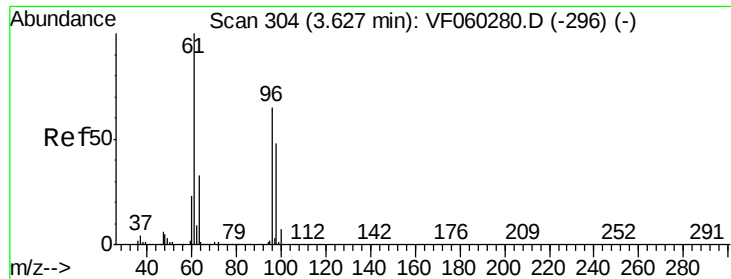
Tgt Ion: 77 Resp: 174918

Ion Ratio Lower Upper

77 100

97 16.9 9.3 27.9





#27

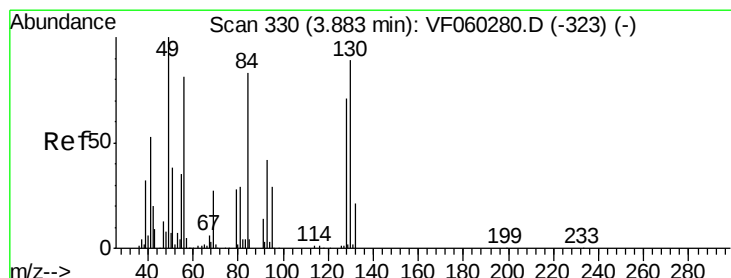
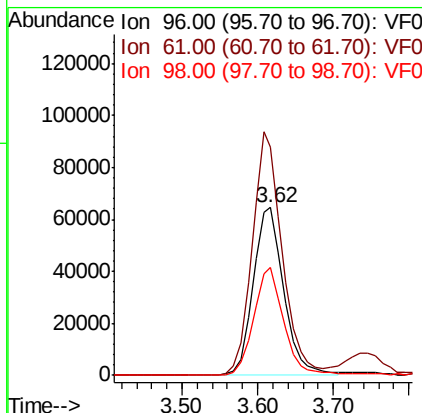
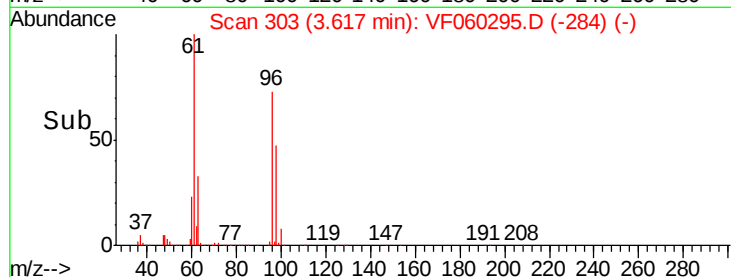
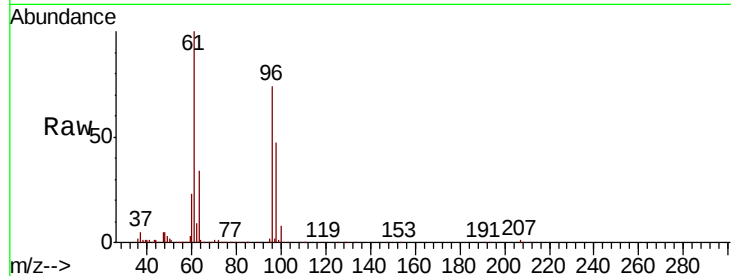
cis-1,2-Dichloroethene
Concen: 45.175 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	181824		
61	135.7	0.0	304.8	
98	64.4	0.0	146.4	

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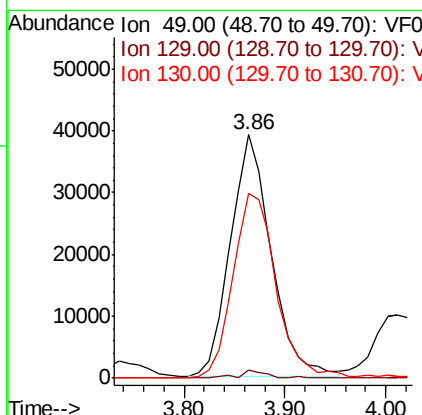
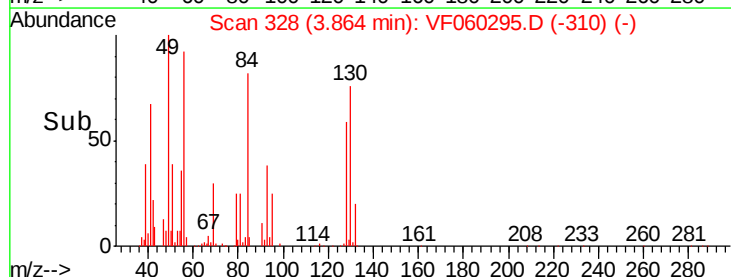
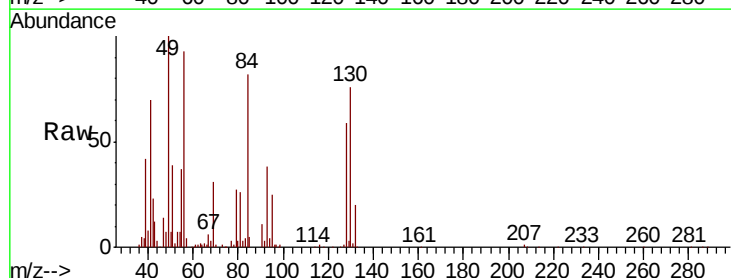
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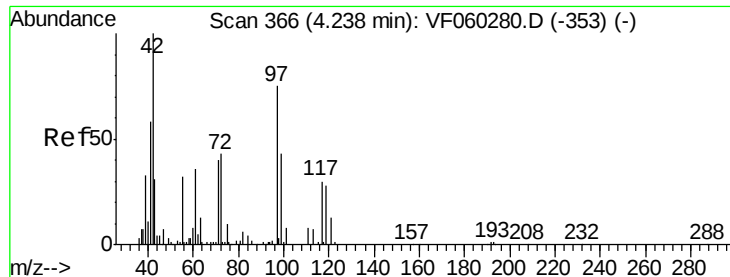


#28

Bromochloromethane
Concen: 44.565 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	109898		
129	3.2	0.0	4.2	
130	76.1	70.3	105.5	





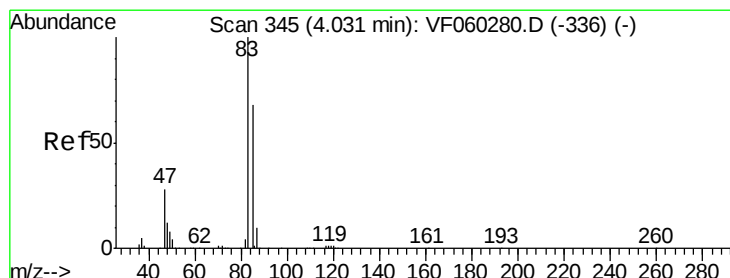
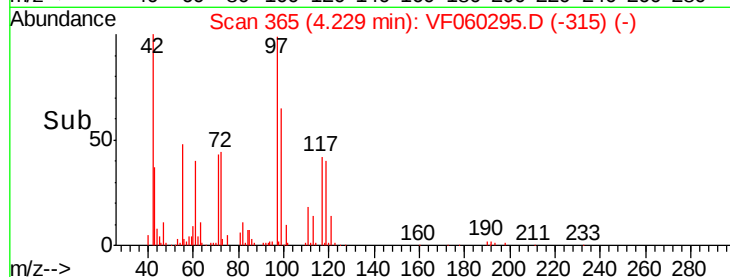
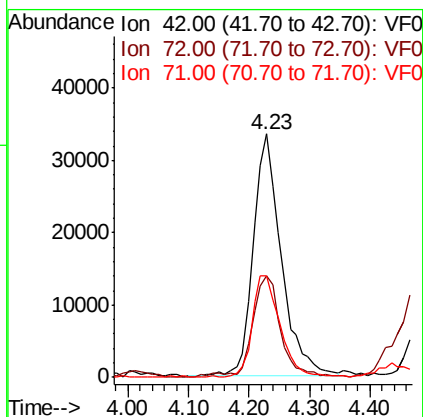
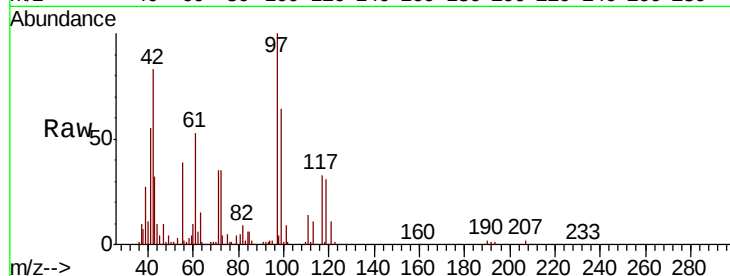
#29
Tetrahydrofuran
Concen: 219.624 ug/l
RT: 4.23 min Scan# 365
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.6	49.0
71	42.4	32.7	49.1

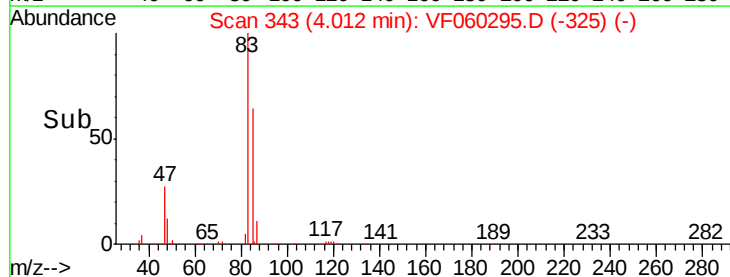
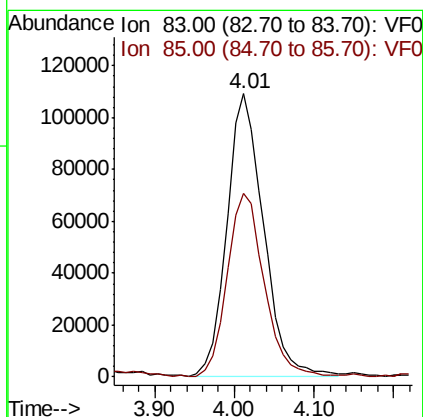
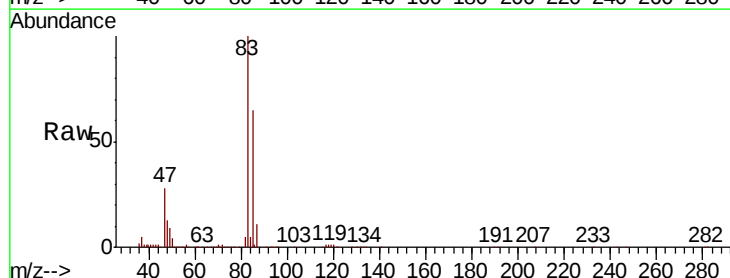
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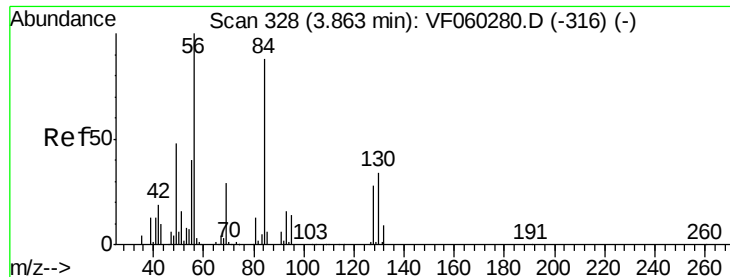
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#30
Chloroform
Concen: 45.421 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	54.9	82.3





#31

Cyclohexane

Concen: 42.946 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

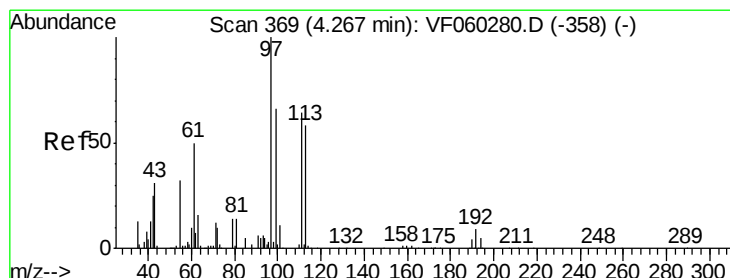
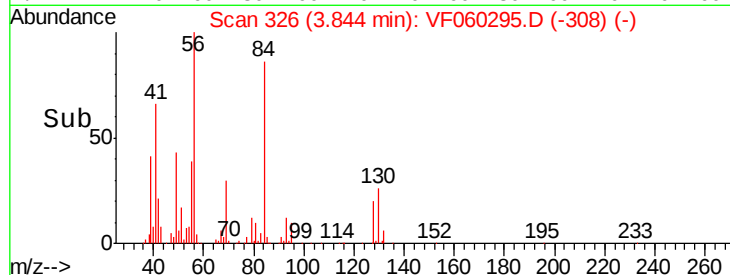
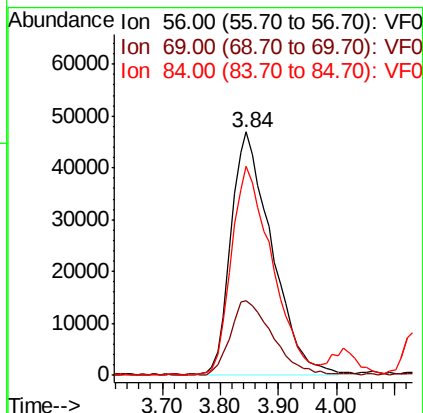
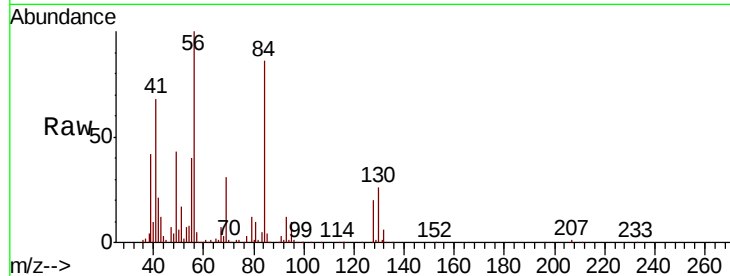
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	229765
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.8	35.6
84	85.9	70.2	105.4

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#32

1,1,1-Trichloroethane

Concen: 48.605 ug/l

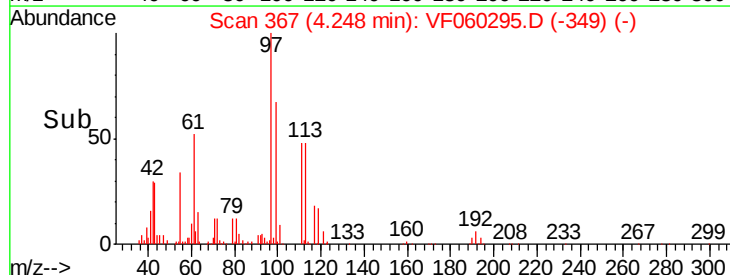
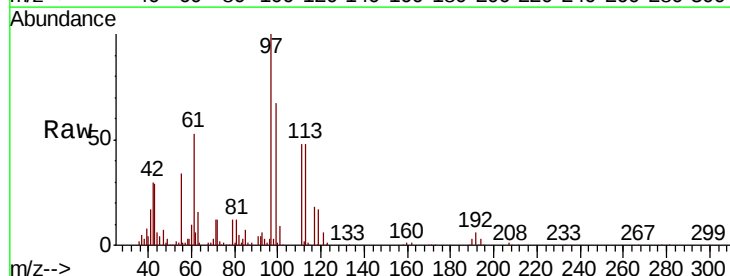
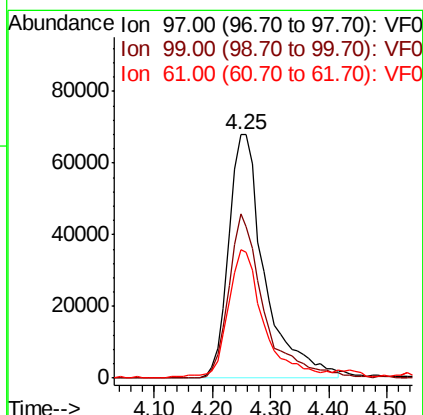
RT: 4.25 min Scan# 367

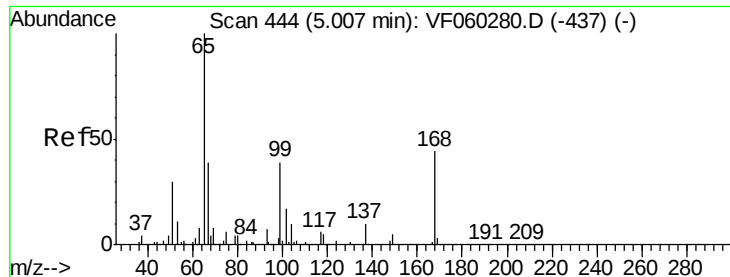
Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion:	97	Resp:	293109
Ion	Ratio	Lower	Upper
97	100		
99	67.3	53.0	79.4
61	52.7	40.6	61.0





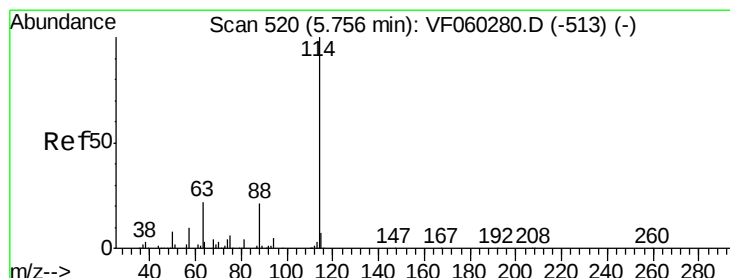
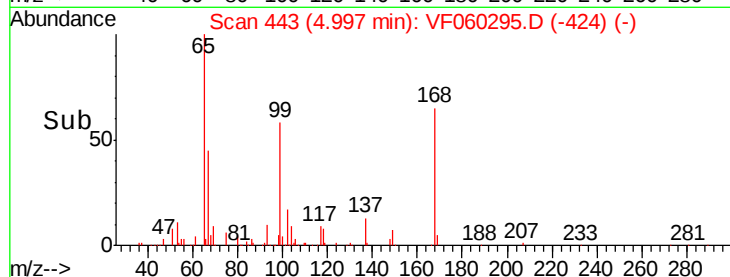
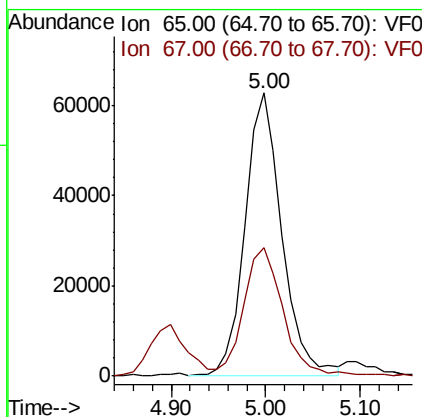
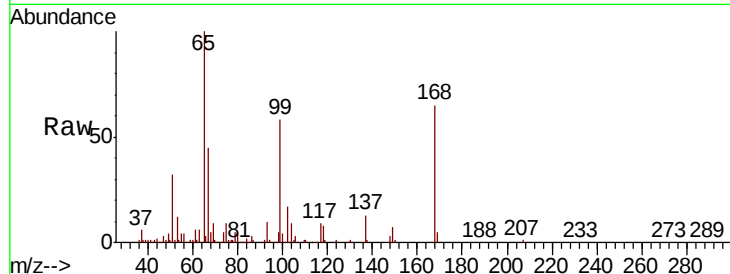
#33
 1,2-Dichloroethane-d4
 Concen: 48.420 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169952		
67	45.4	0.0	94.4	

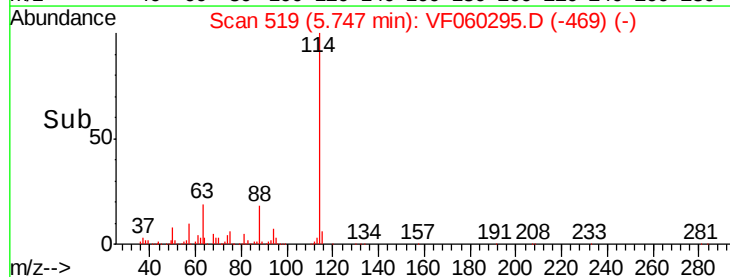
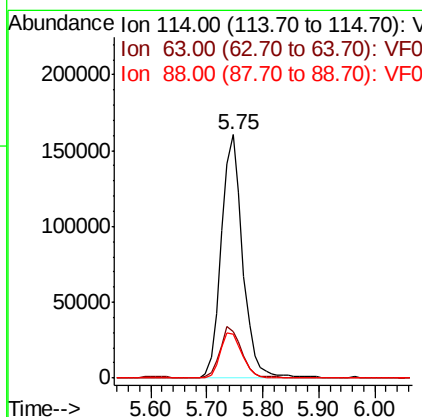
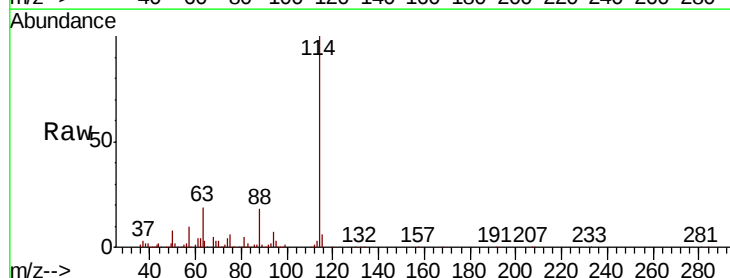
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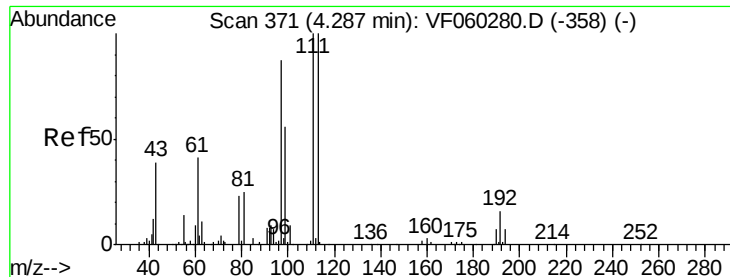
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	428037		
63	19.3	0.0	43.8	
88	18.0	0.0	41.2	





#35

Dibromofluoromethane

Concen: 47.891 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

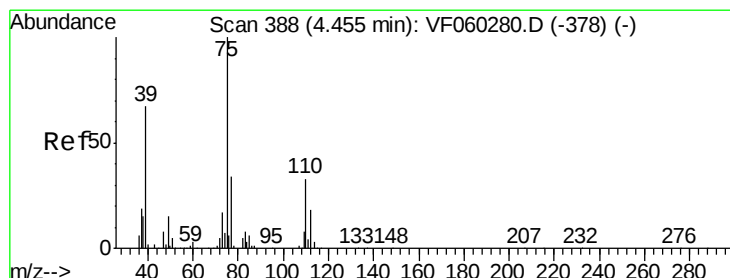
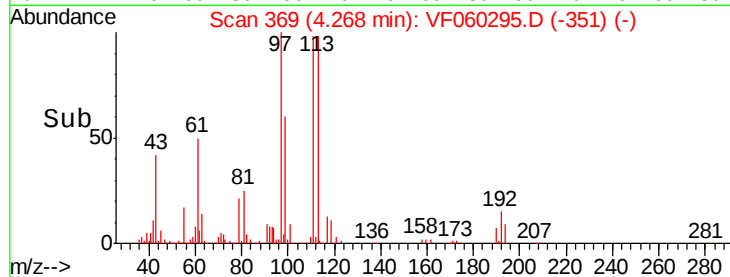
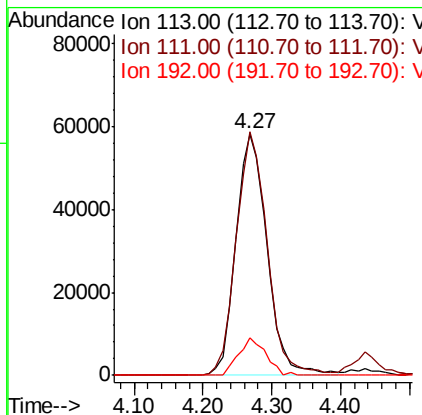
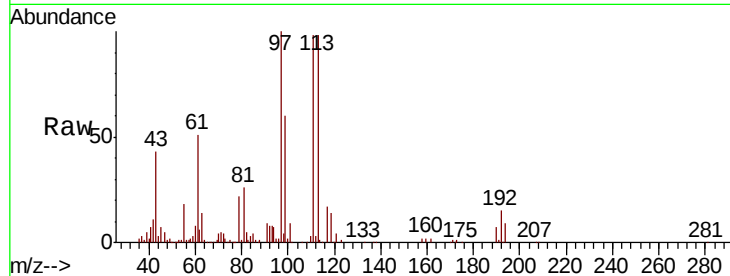
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	182735
Ion Ratio	Lower	Upper	
113	100		
111	100.9	79.6	119.4
192	15.7	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 47.032 ug/l

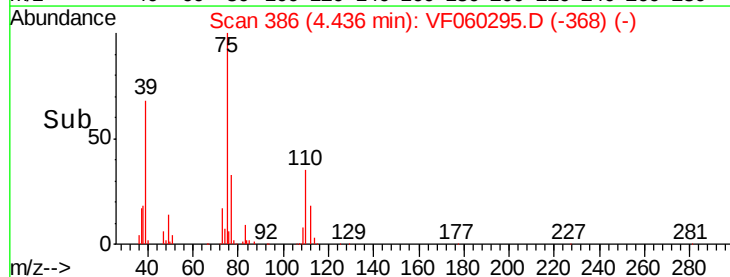
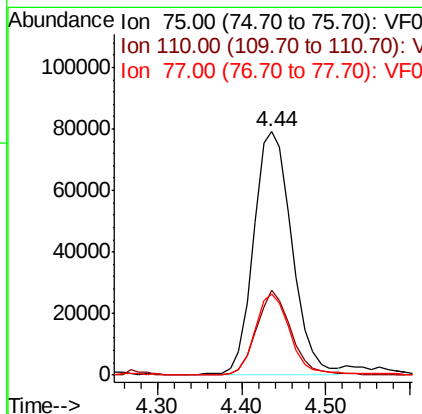
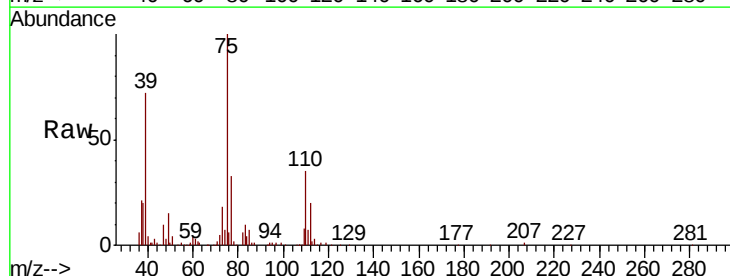
RT: 4.44 min Scan# 386

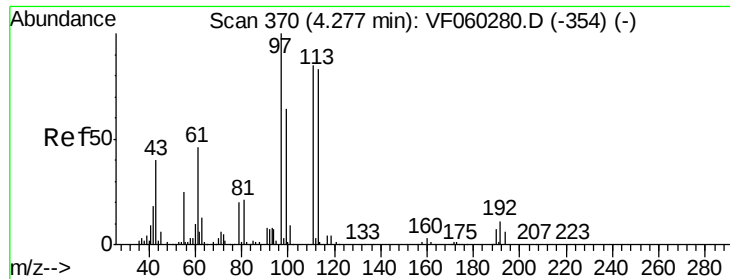
Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion:	75	Resp:	251111
Ion Ratio	Lower	Upper	
75	100		
110	34.7	16.4	49.2
77	33.1	27.3	40.9





#37

Ethyl Acetate

Concen: 45.590 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

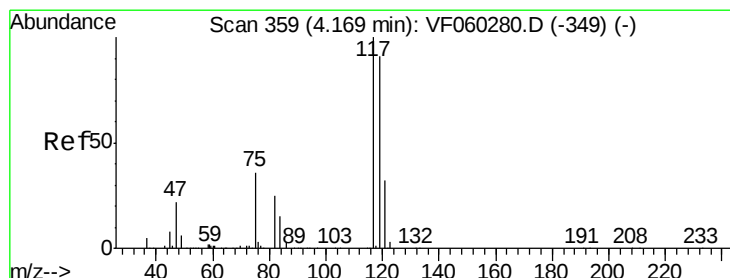
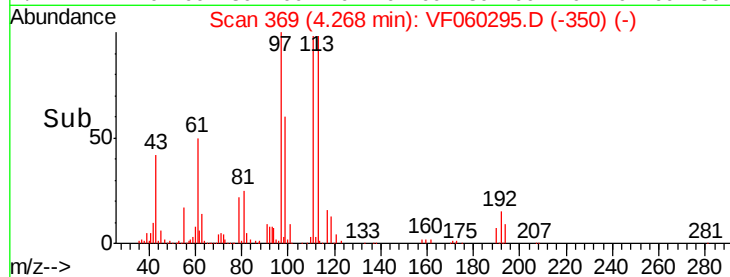
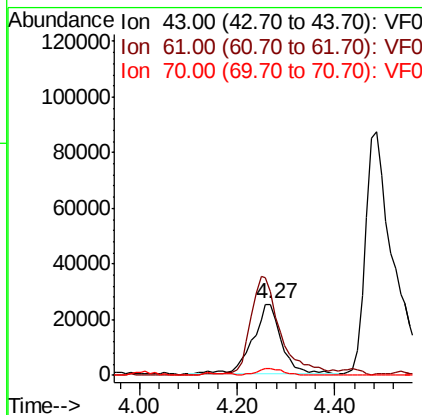
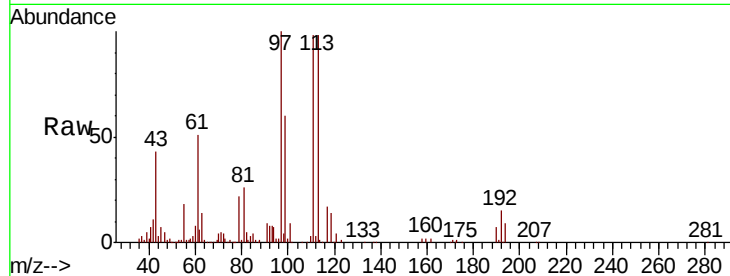
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	102994
Ion	Ratio	Lower	Upper
43	100		
61	118.0	91.1	136.7
70	9.1	6.9	10.3

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#38

Carbon Tetrachloride

Concen: 49.453 ug/l m

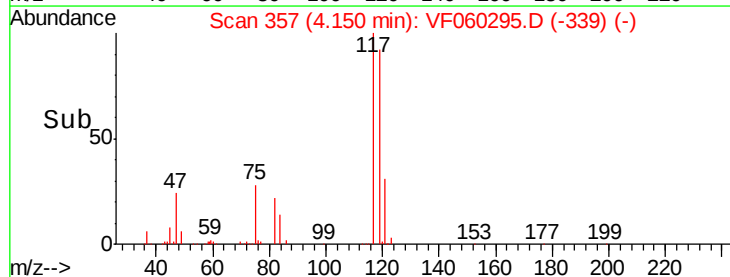
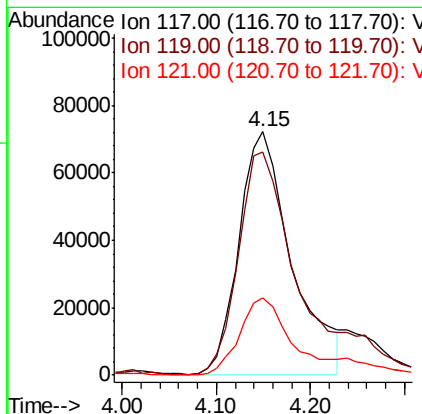
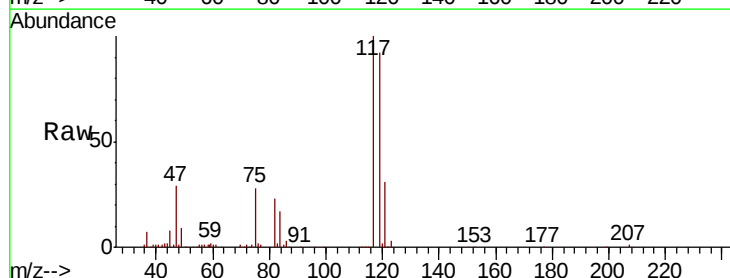
RT: 4.15 min Scan# 357

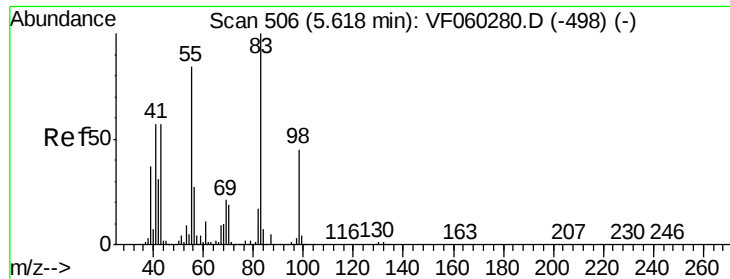
Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion:	117	Resp:	283606
Ion	Ratio	Lower	Upper
117	100		
119	91.6	73.0	109.6
121	31.2	25.4	38.2





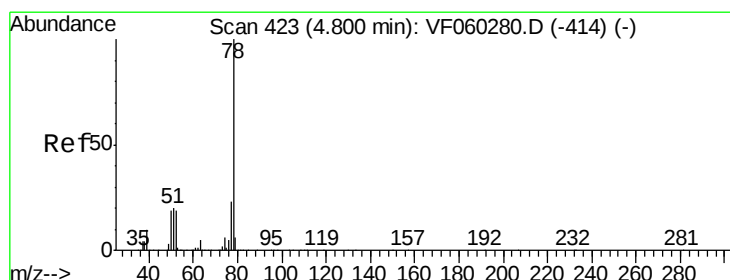
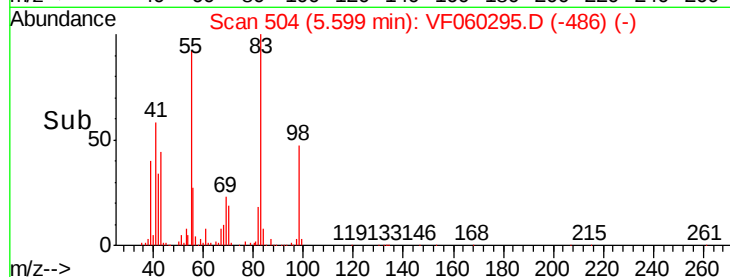
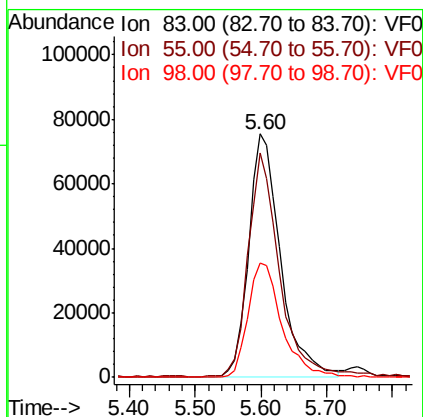
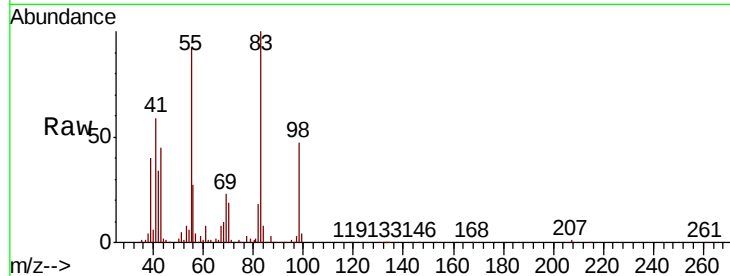
#39
Methvlcvclohexane
Concen: 44.391 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.1	67.3	100.9
98	47.2	36.1	54.1

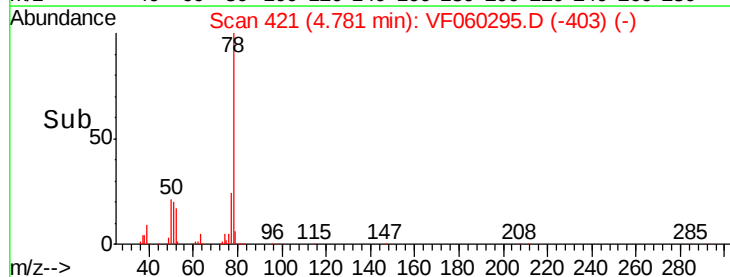
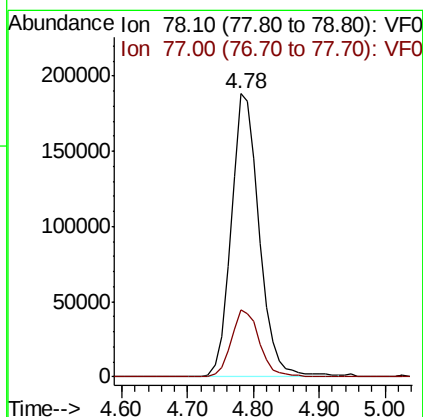
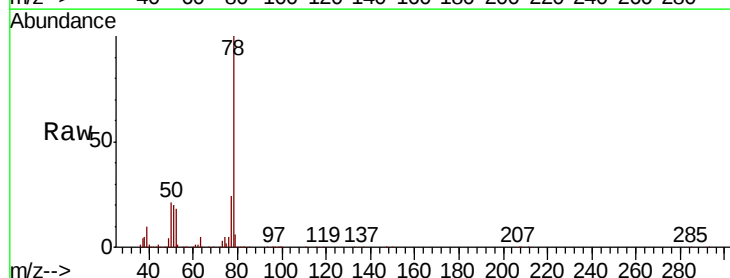
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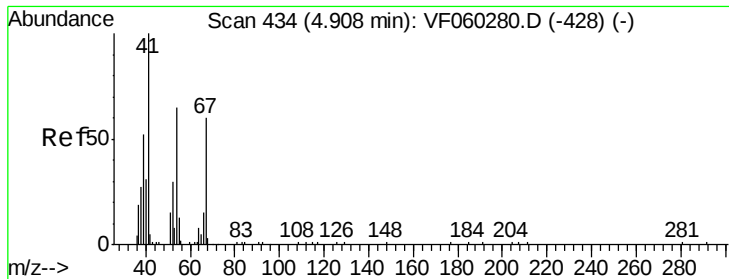
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#40
Benzene
Concen: 46.463 ug/l
RT: 4.78 min Scan# 421
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.4	27.6





#41

Methacrylonitrile

Concen: 46.184 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

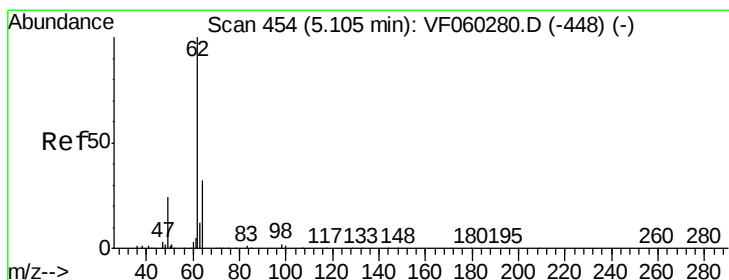
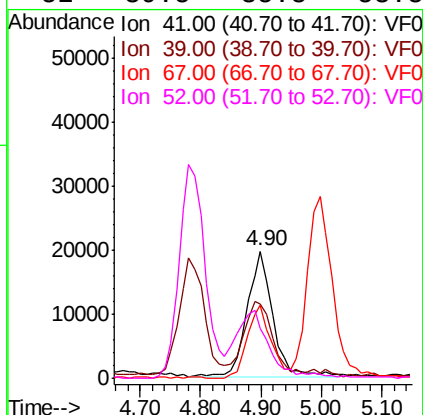
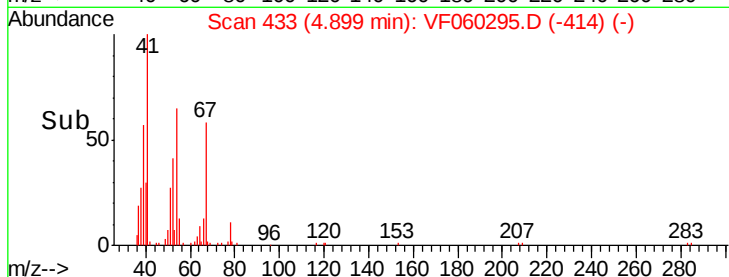
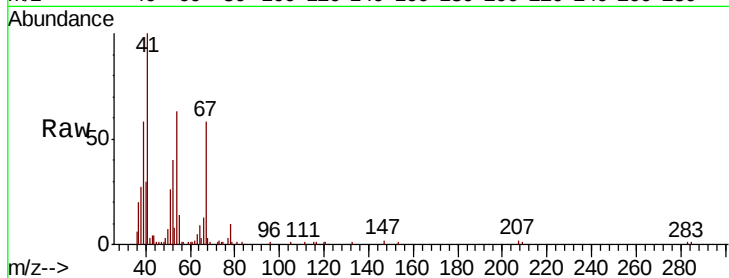
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	56615
Ion	Ratio	Lower	Upper
41	100		
39	58.1	49.1	73.7
67	57.9	48.2	72.4
52	39.5	35.8	53.8

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#42

1,2-Dichloroethane

Concen: 48.223 ug/l

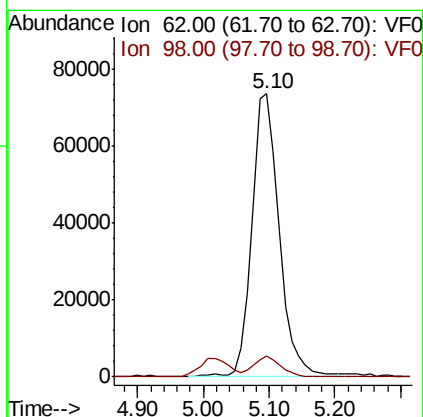
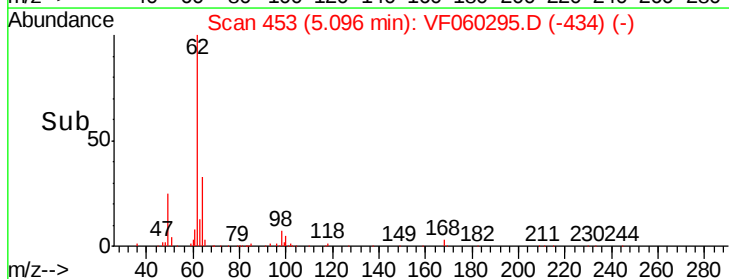
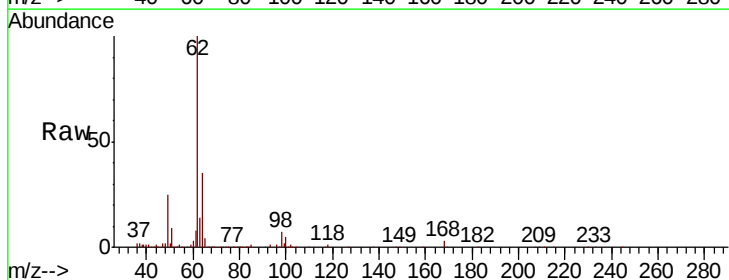
RT: 5.10 min Scan# 453

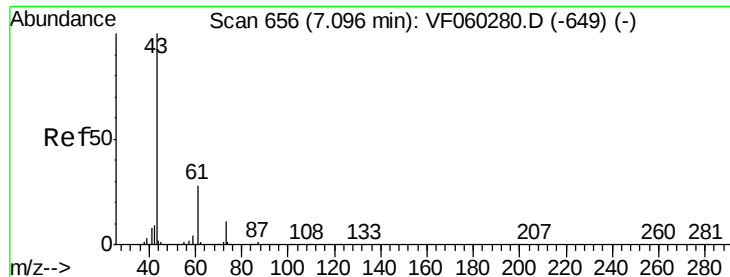
Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion:	62	Resp:	214888
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	14.4





#43

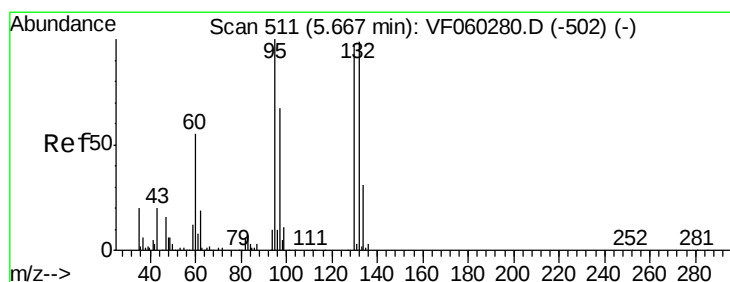
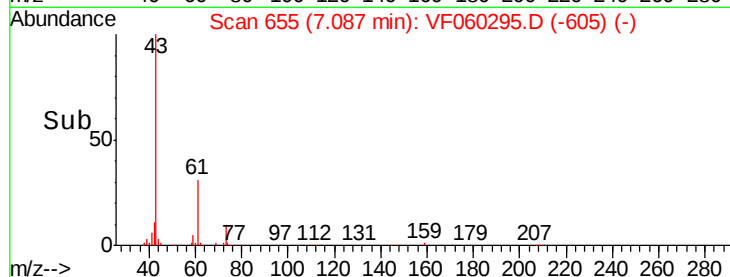
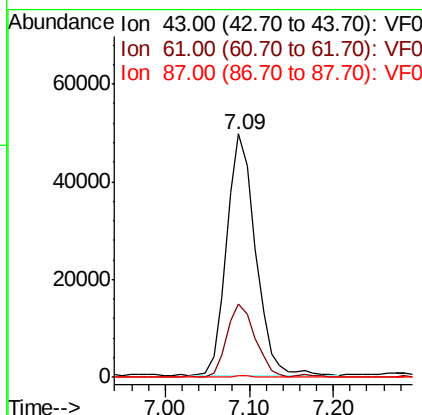
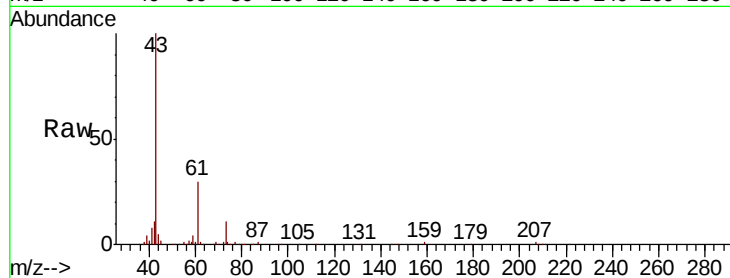
Isopropyl Acetate
 Concen: 43.398 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	22.4	33.6
87	0.6	0.6	0.8

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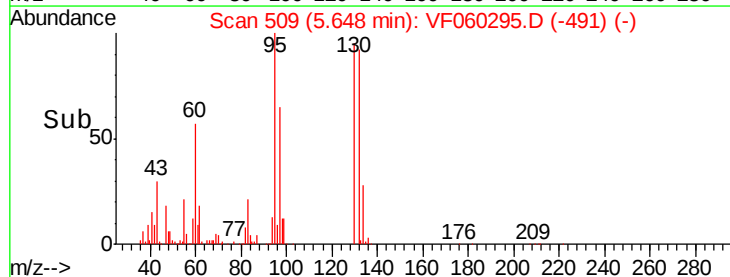
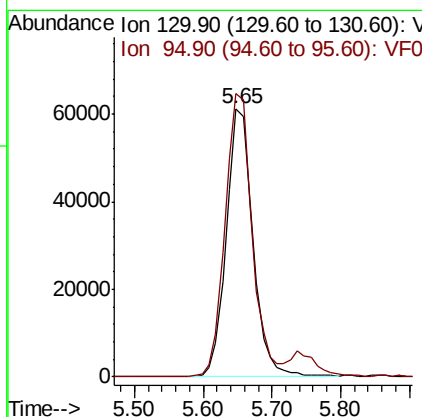
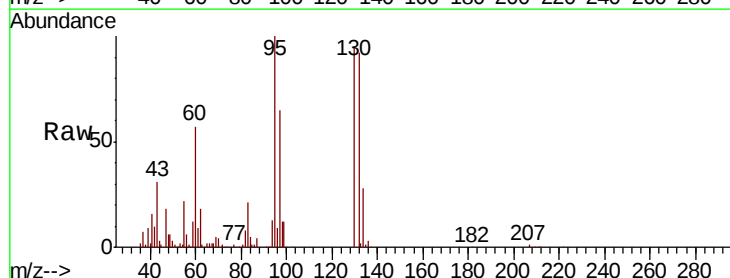
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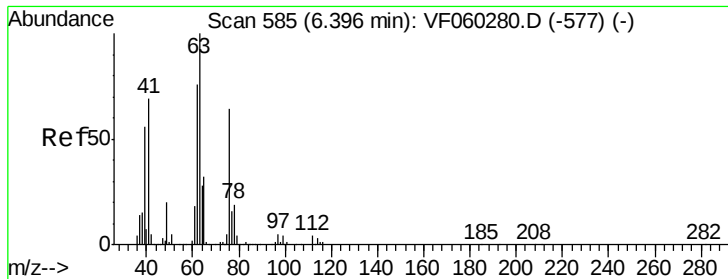


#44

Trichloroethene
 Concen: 45.704 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	205.6





#45

1,2-Dichloropropane

Concen: 48.995 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 153511

Ion Ratio Lower Upper

63 100

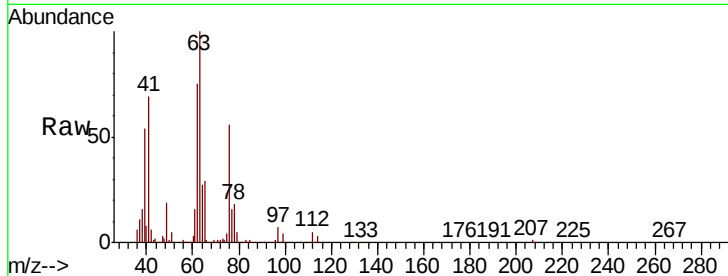
65 28.7 26.2 39.4

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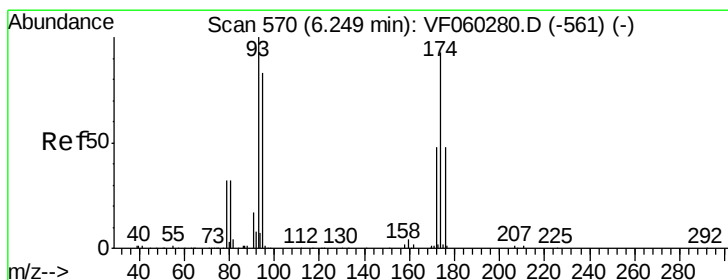
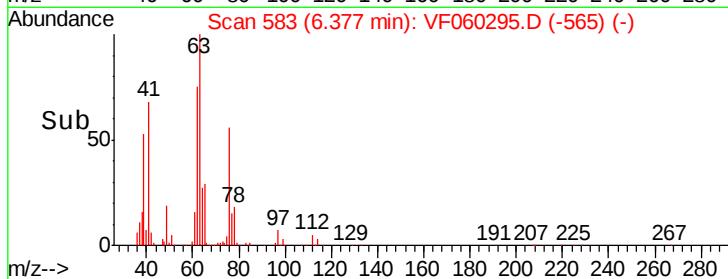
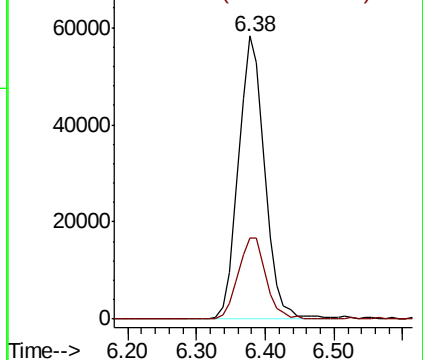
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 48.670 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

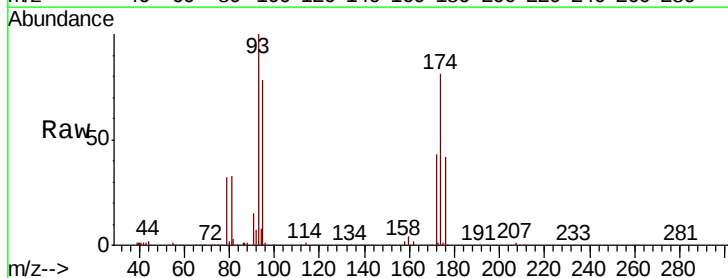
Tgt Ion: 93 Resp: 109004

Ion Ratio Lower Upper

93 100

95 78.5 67.0 100.6

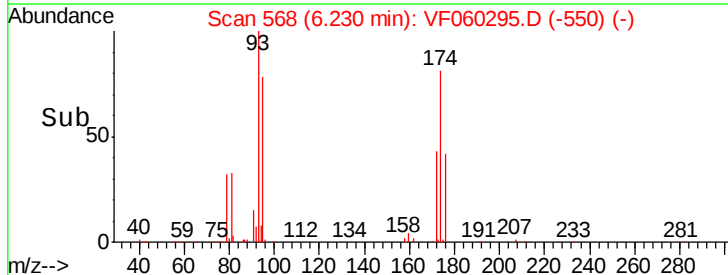
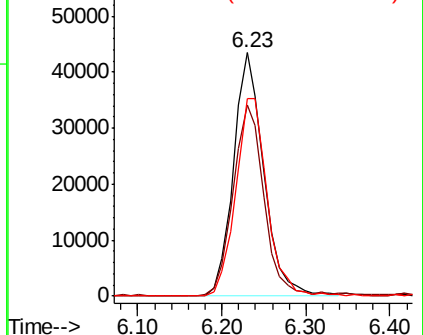
174 80.9 74.8 112.2

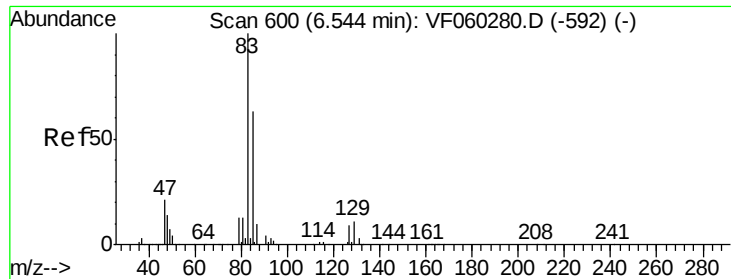


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 49.681 ug/l

RT: 6.53 min Scan# 598

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

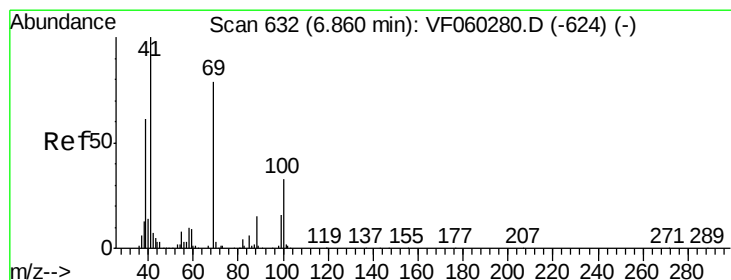
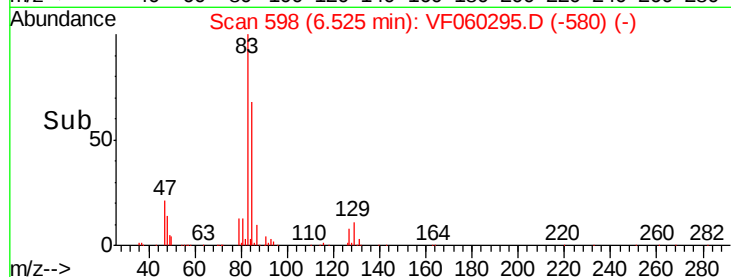
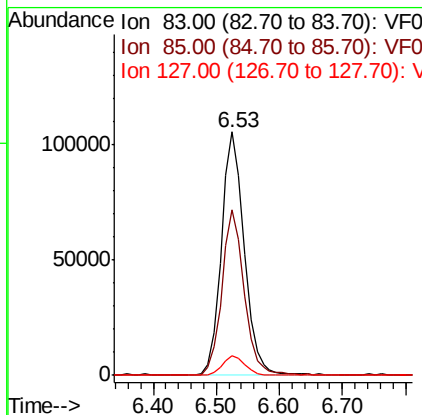
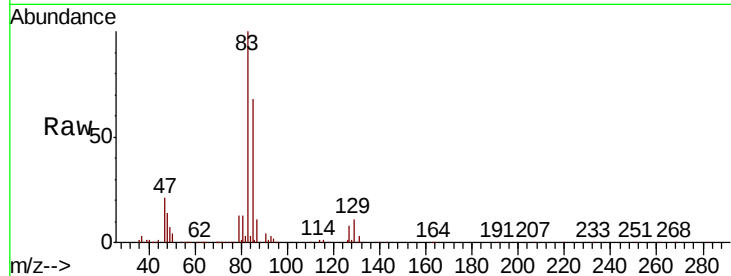
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	267394
Ion Ratio	Lower	Upper	
83	100		
85	67.8	50.6	76.0
127	7.9	7.1	10.7

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#48

Methyl methacrylate

Concen: 43.901 ug/l

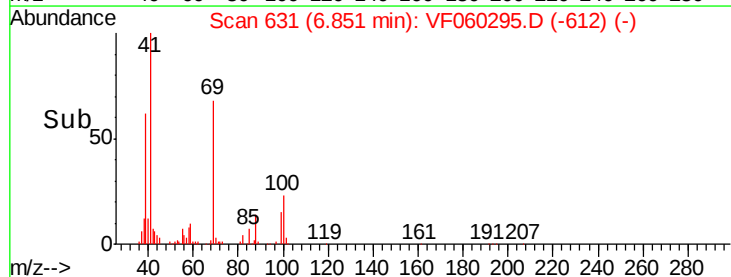
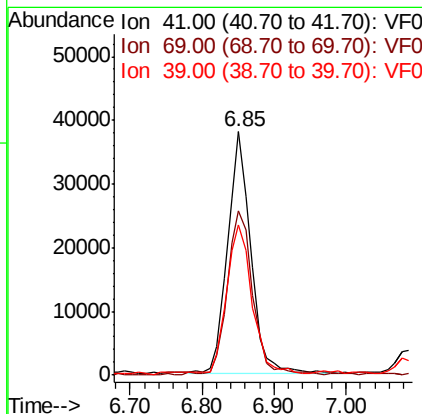
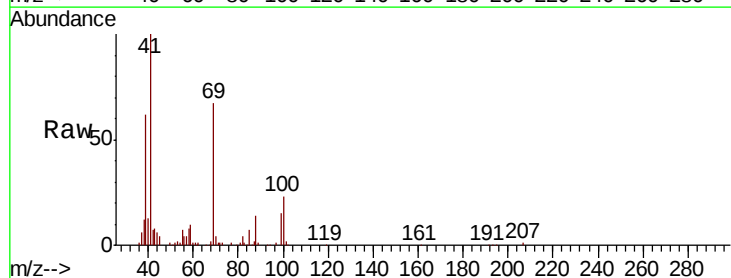
RT: 6.85 min Scan# 631

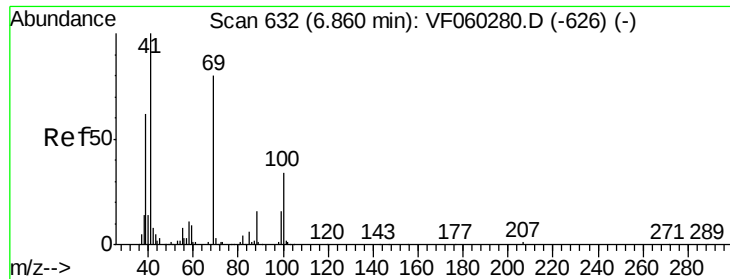
Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion:	41	Resp:	83814
Ion Ratio	Lower	Upper	
41	100		
69	67.4	62.6	94.0
39	61.9	49.1	73.7





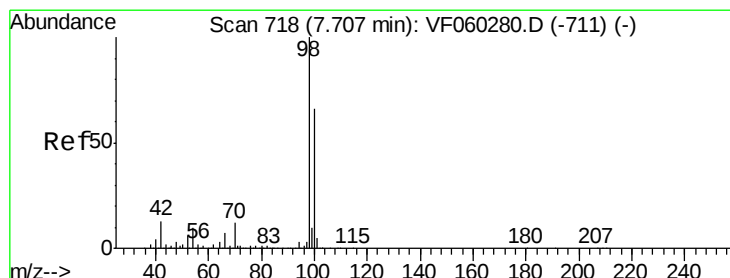
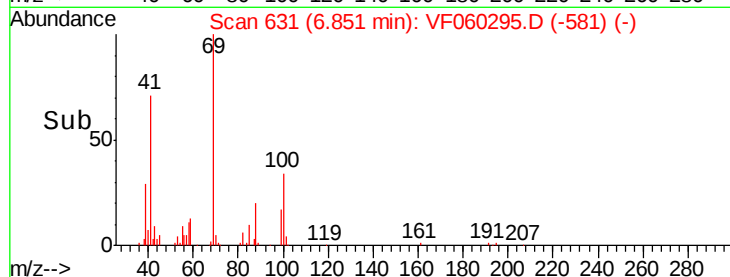
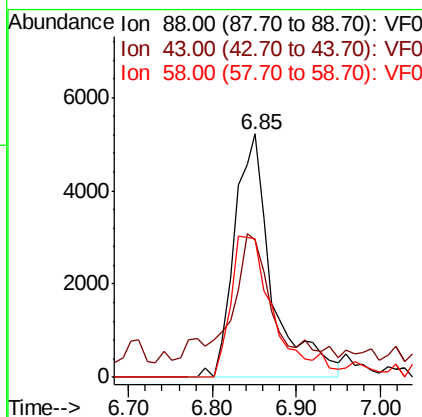
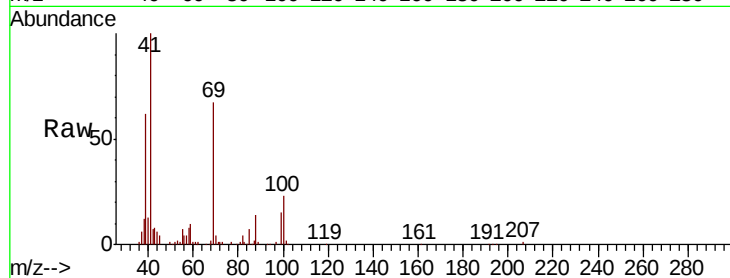
#49
 1,4-Dioxane
 Concen: 951.497 ug/l
 RT: 6.85 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	56.3	40.2	60.4
58	56.8	56.7	85.1

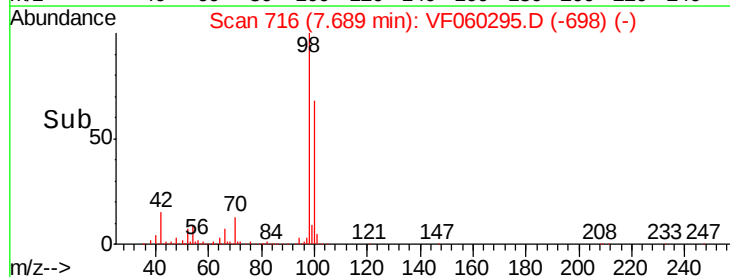
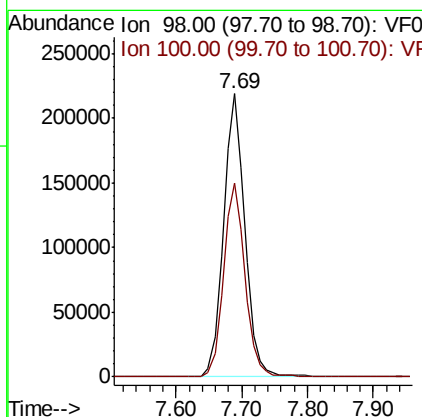
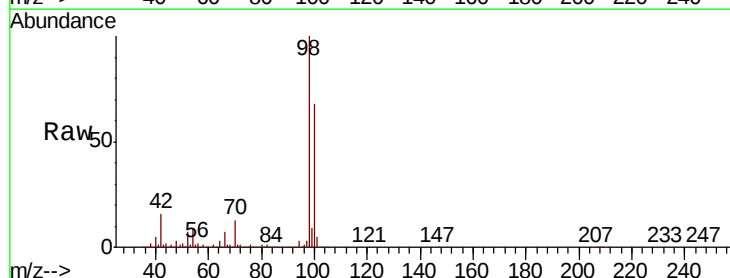
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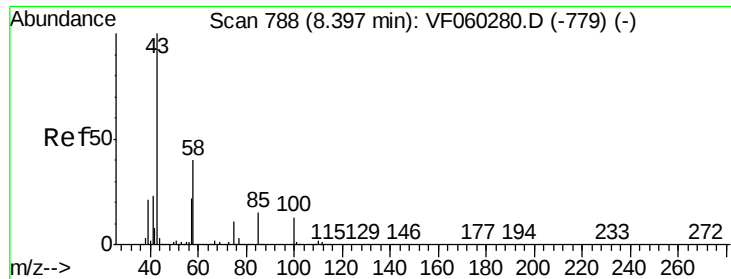
apatel
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#50
 Toluene-d8
 Concen: 50.041 ug/l
 RT: 7.69 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.5	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 249.461 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 522916

Ion Ratio Lower Upper

43 100

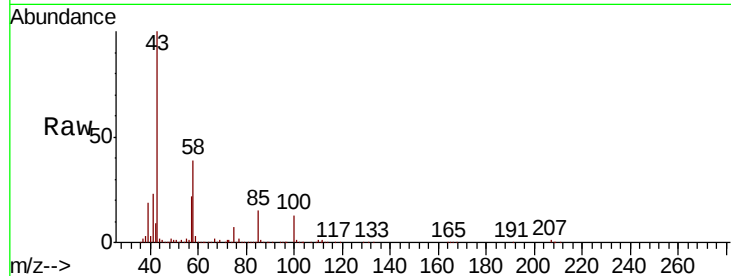
58 38.8 31.8 47.8

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250000

200000

150000

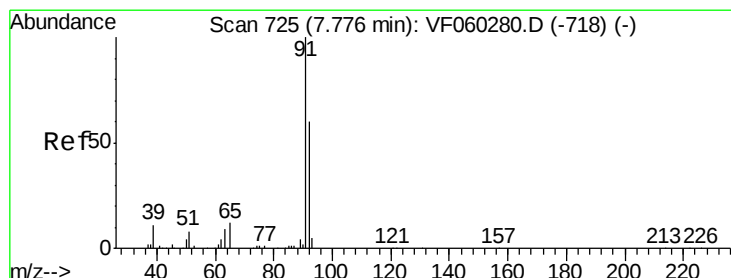
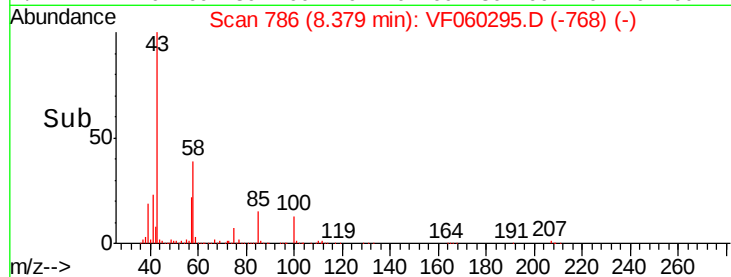
100000

50000

0

8.20 8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 46.884 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.02 min

Lab File: VF060295.D

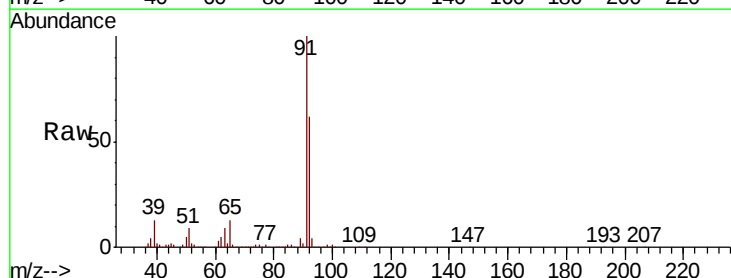
Acq: 20 Sep 2018 10:22

Tgt Ion: 92 Resp: 359079

Ion Ratio Lower Upper

92 100

91 162.4 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

300000

250000

200000

150000

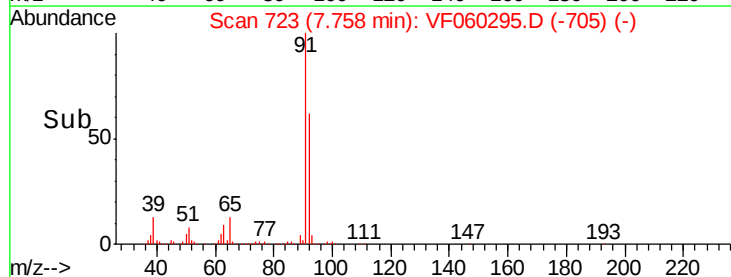
100000

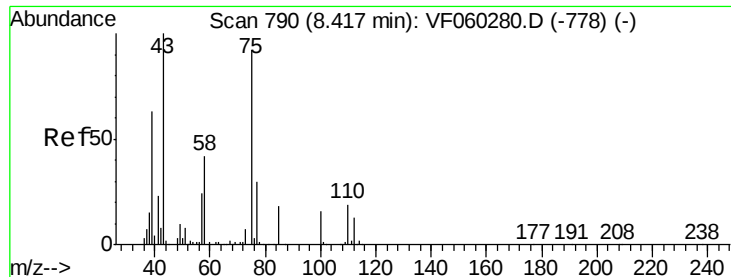
50000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.568 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 206510

Ion Ratio Lower Upper

75 100

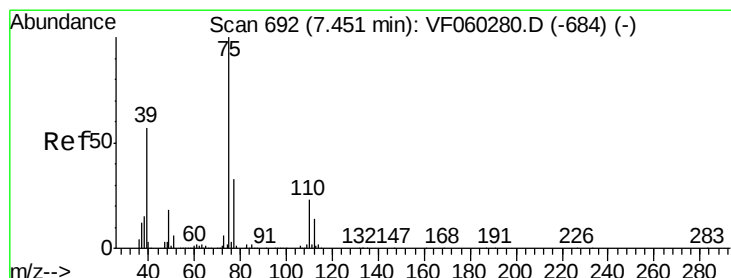
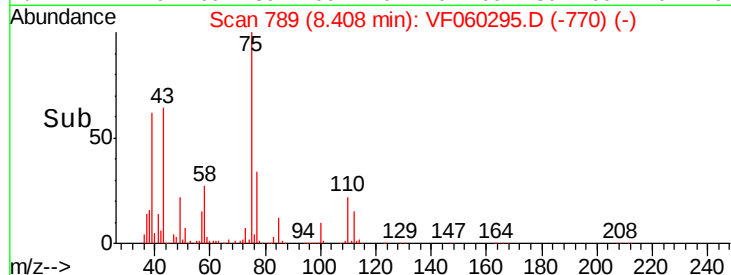
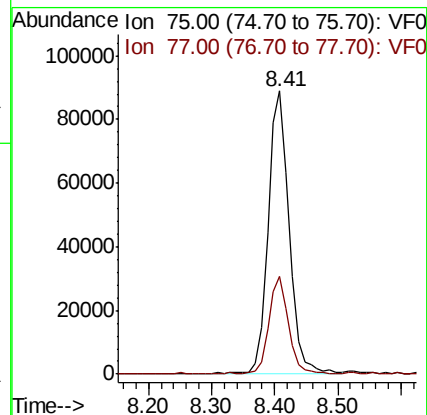
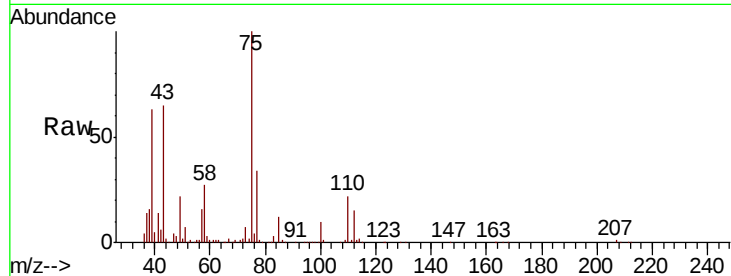
77 34.4 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 47.201 ug/l

RT: 7.43 min Scan# 690

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

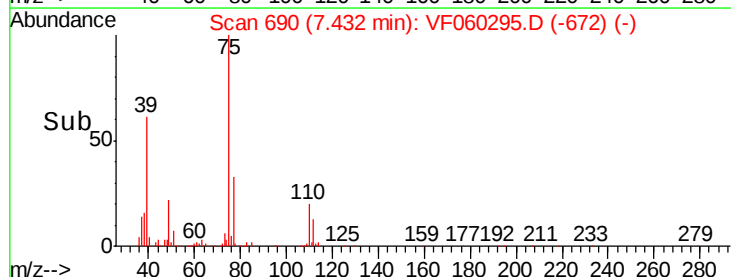
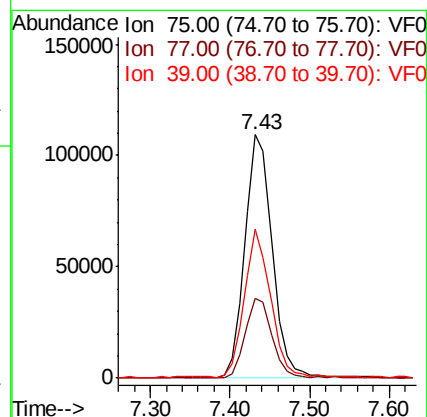
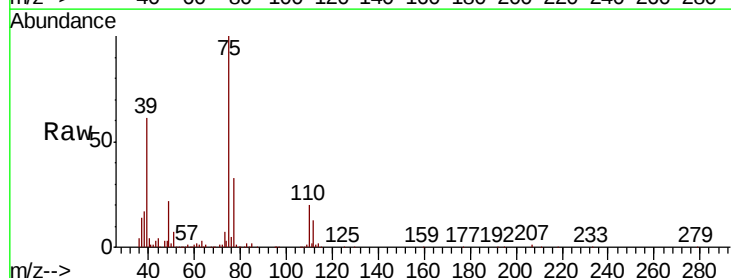
Tgt Ion: 75 Resp: 258149

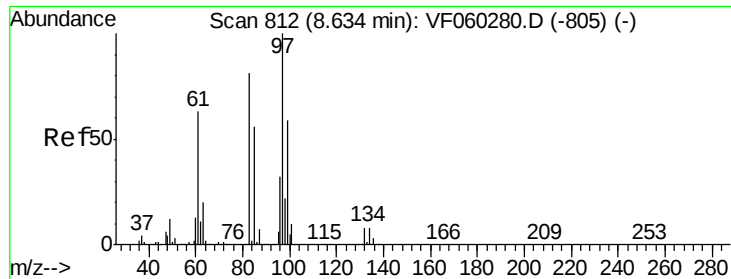
Ion Ratio Lower Upper

75 100

77 33.0 26.3 39.5

39 61.4 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 49.161 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

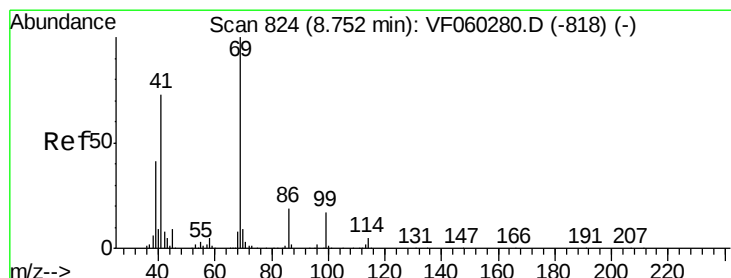
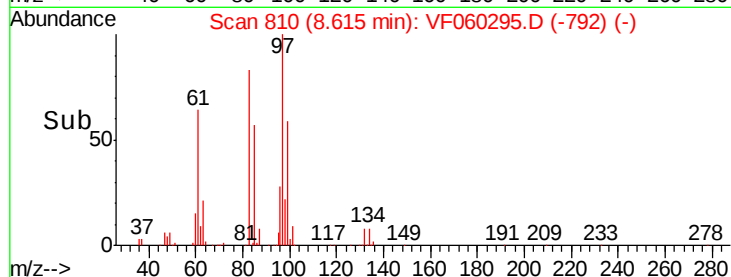
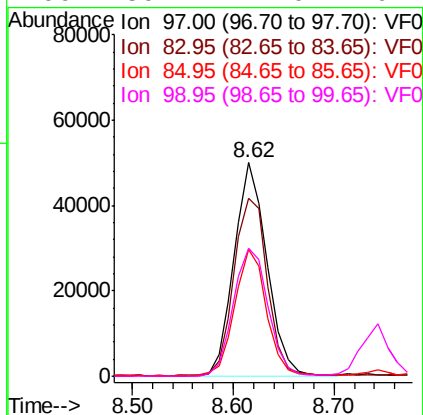
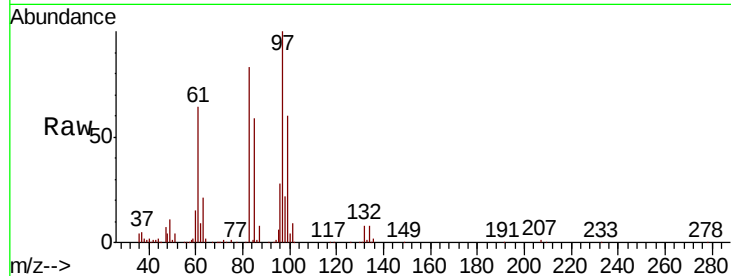
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	114276
Ion	Ratio	Lower	Upper
97	100		
83	83.2	65.3	97.9
85	59.4	44.7	67.1
99	59.7	47.0	70.4

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#56

Ethyl methacrylate

Concen: 44.816 ug/l

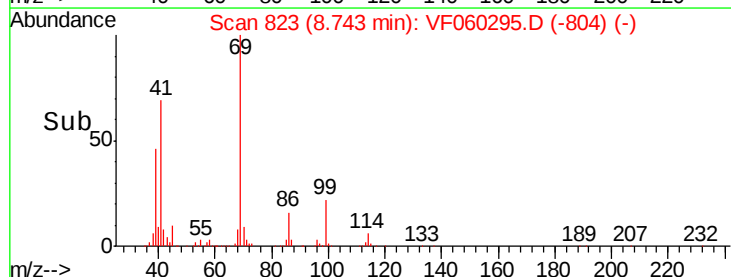
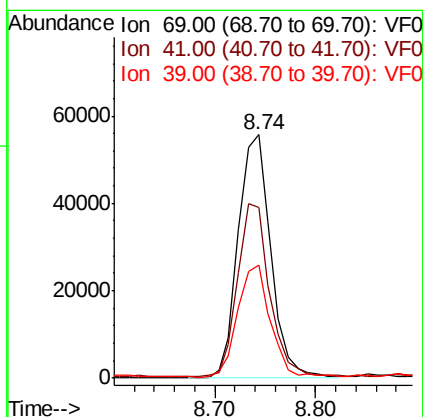
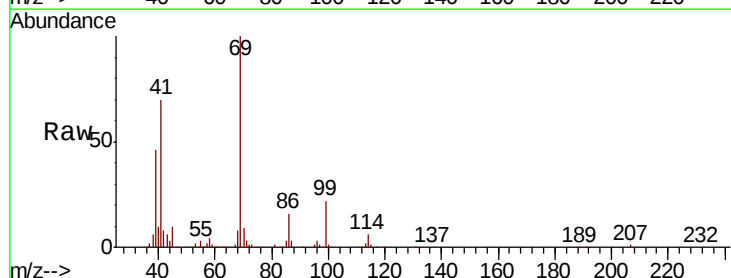
RT: 8.74 min Scan# 823

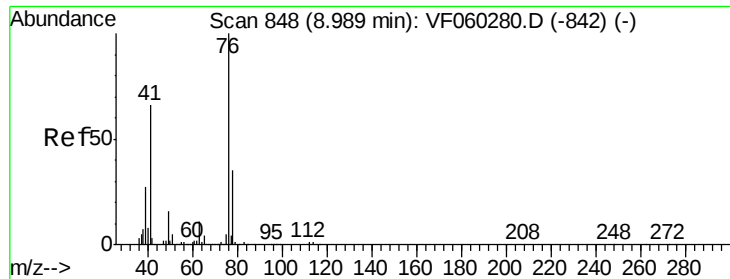
Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion:	69	Resp:	125817
Ion	Ratio	Lower	Upper
69	100		
41	70.1	59.4	89.2
39	46.4	33.5	50.3





#57

1,3-Dichloropropane

Concen: 48.694 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 187420

Ion Ratio Lower Upper

76 100

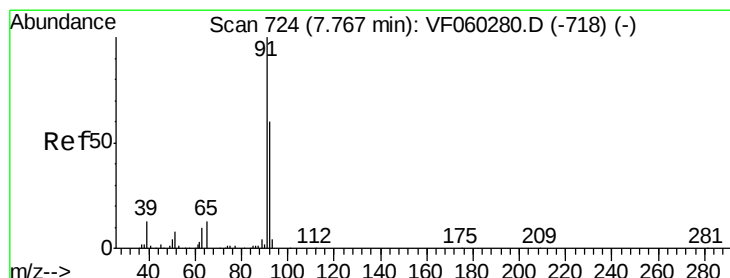
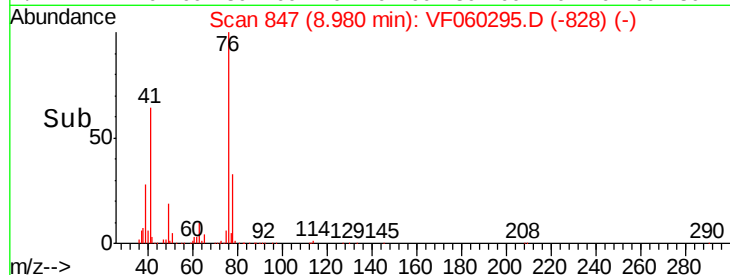
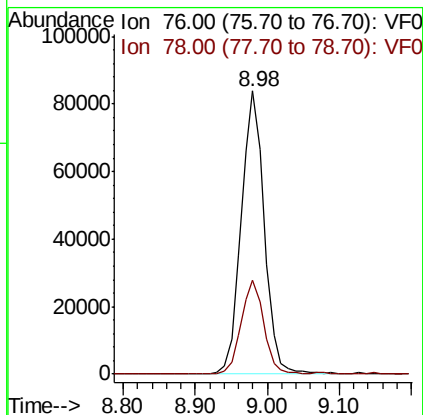
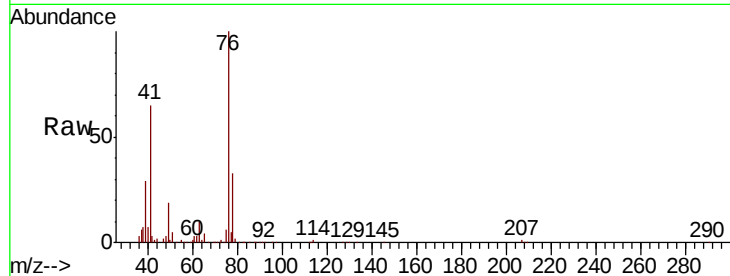
78 33.0 28.2 42.2

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#58

2-Chloroethyl Vinyl ether

Concen: 221.058 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060295.D

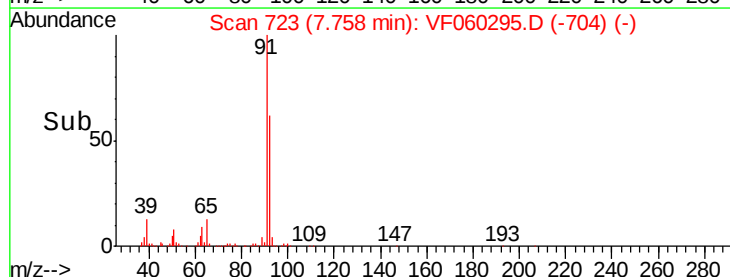
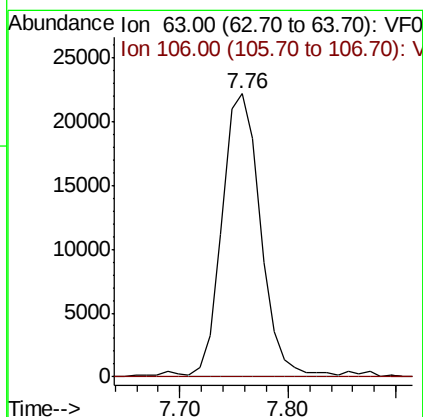
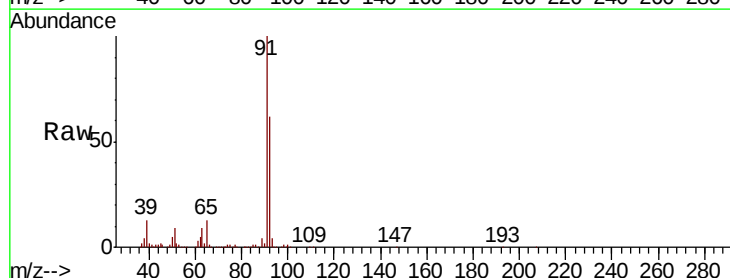
Acq: 20 Sep 2018 10:22

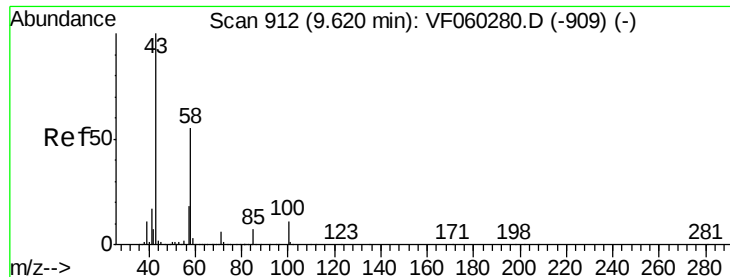
Tgt Ion: 63 Resp: 54863

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





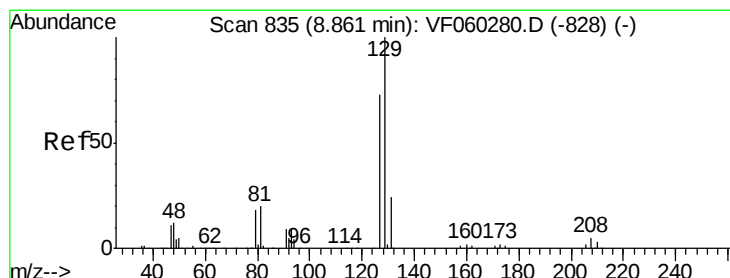
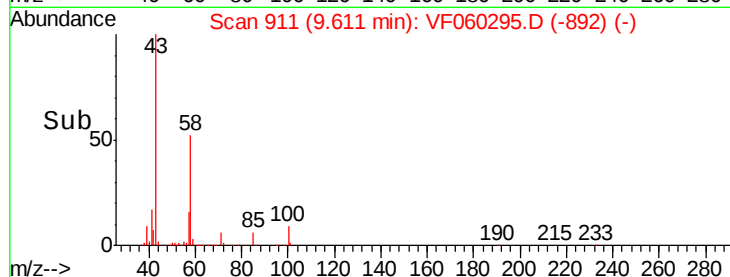
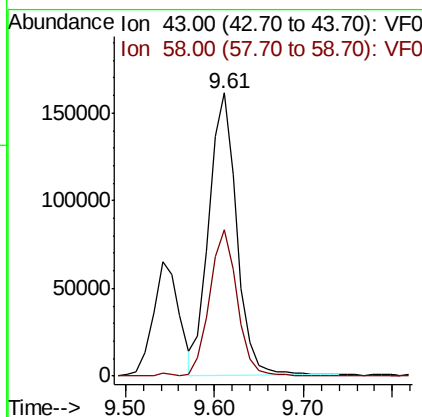
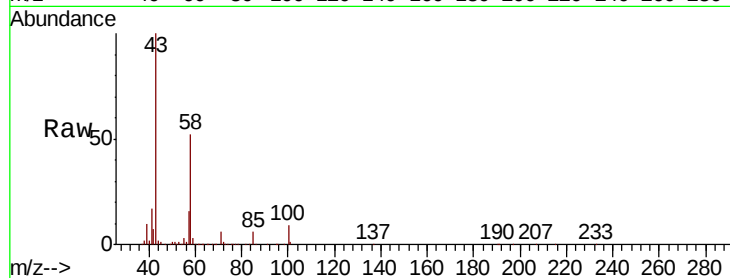
#59
2-Hexanone
Concen: 233.577 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 348613
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.6

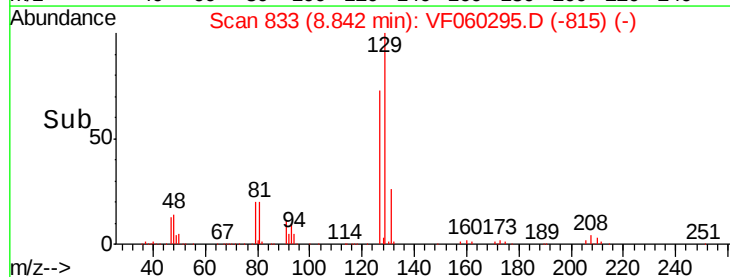
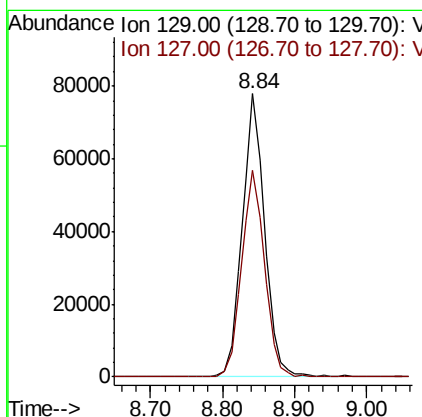
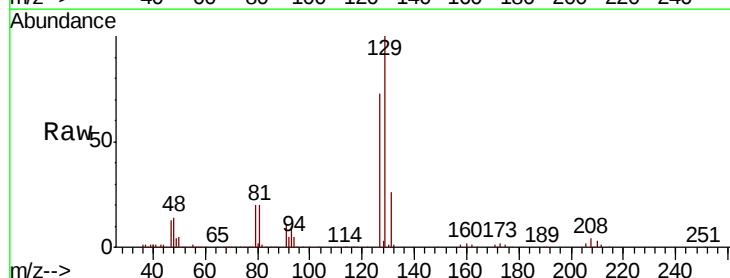
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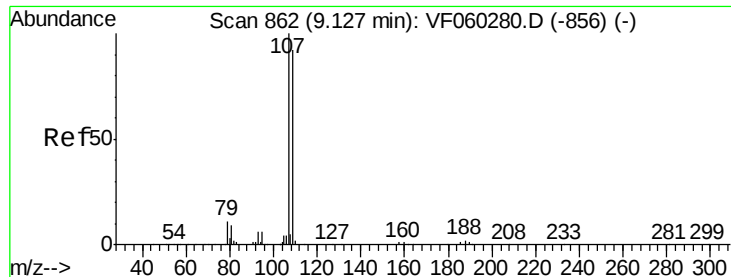
apatel
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#60
Dibromochloromethane
Concen: 48.953 ug/l
RT: 8.84 min Scan# 833
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion: 129 Resp: 169605
Ion Ratio Lower Upper
129 100
127 73.0 36.6 109.8





#61

1,2-Dibromoethane

Concen: 46.686 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 120848

Ion Ratio Lower Upper

107 100

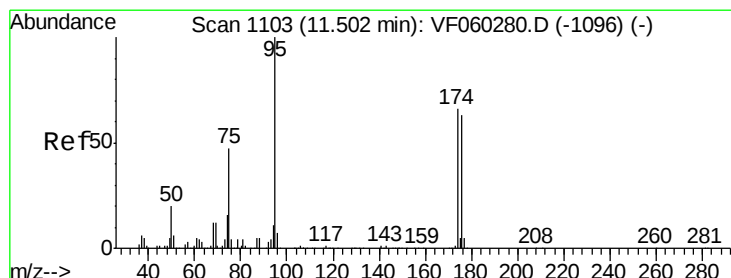
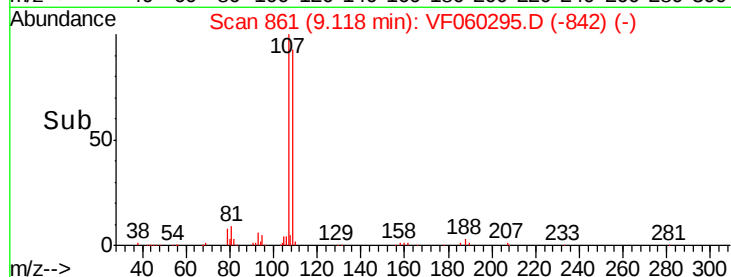
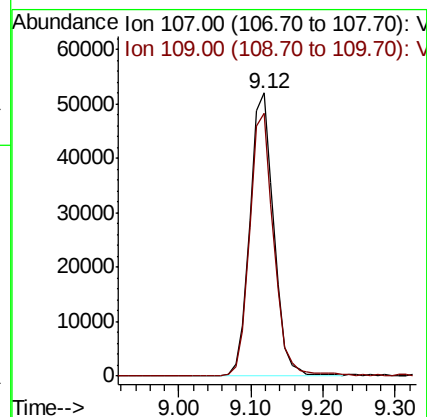
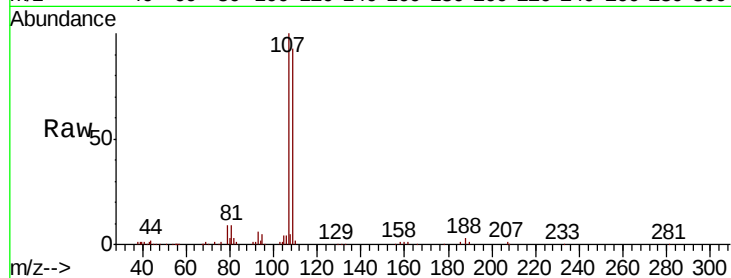
109 93.0 73.2 109.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.908 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

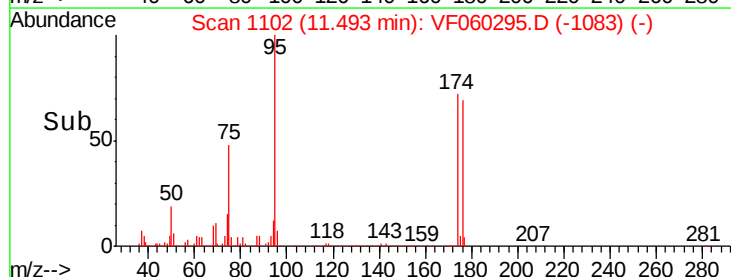
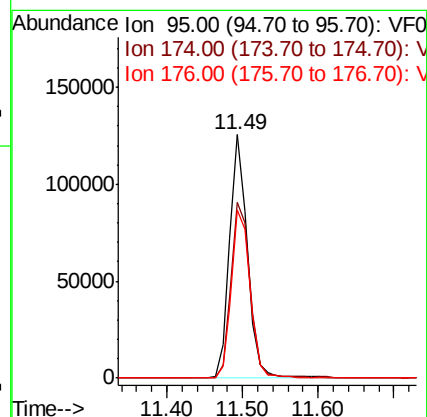
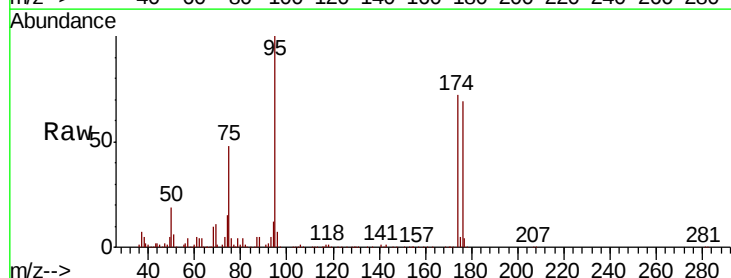
Tgt Ion: 95 Resp: 205781

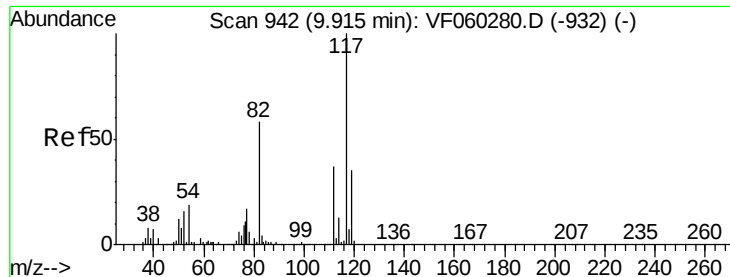
Ion Ratio Lower Upper

95 100

174 72.3 0.0 131.2

176 69.2 0.0 126.6





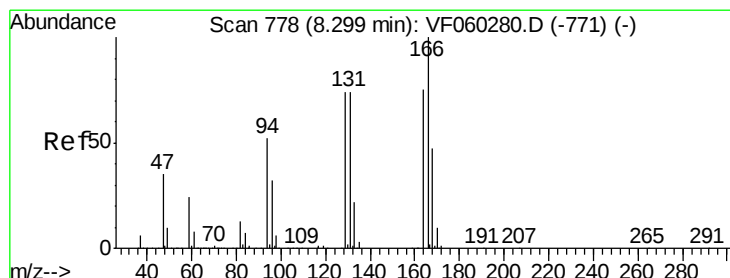
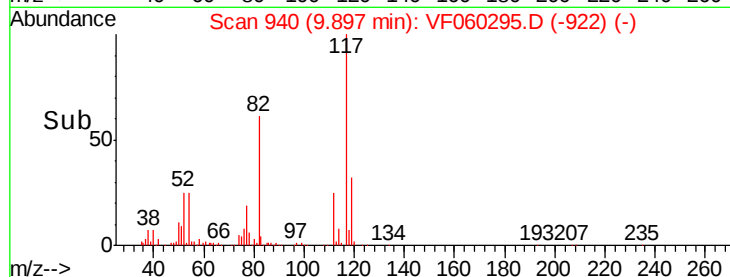
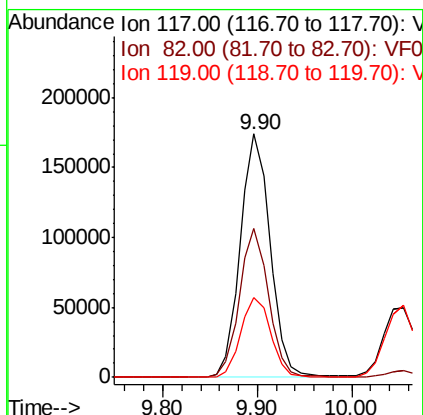
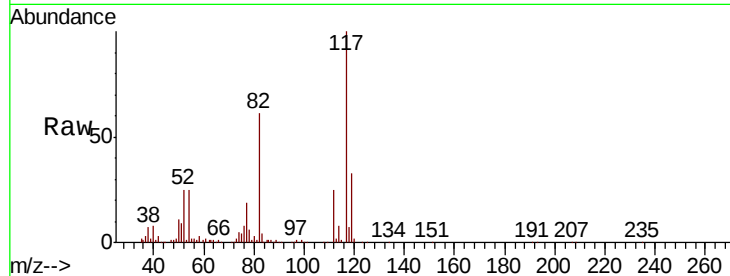
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	381987		
82	61.2	46.2	69.2	
119	32.5	27.8	41.6	

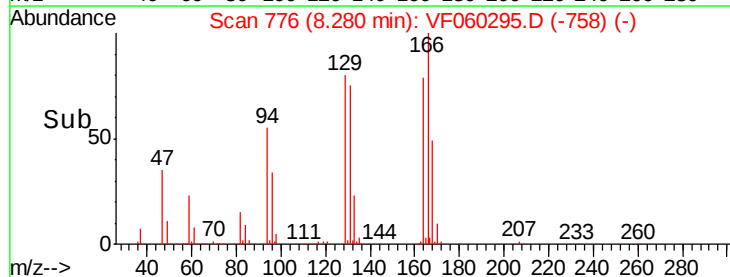
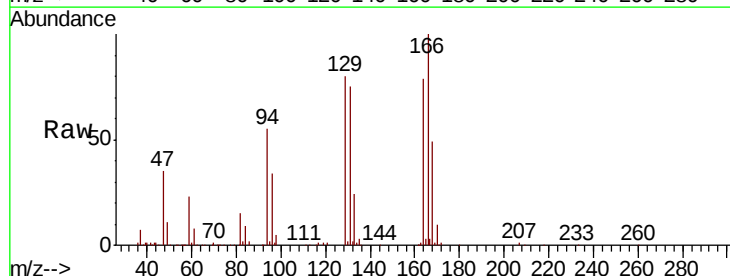
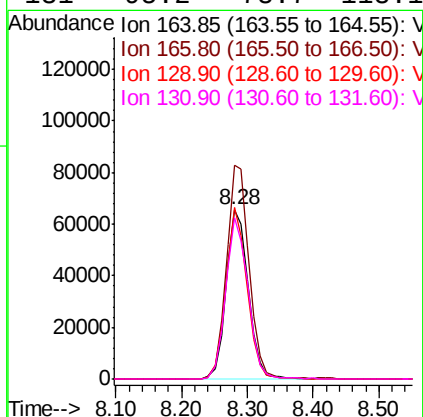
Manual Integrations
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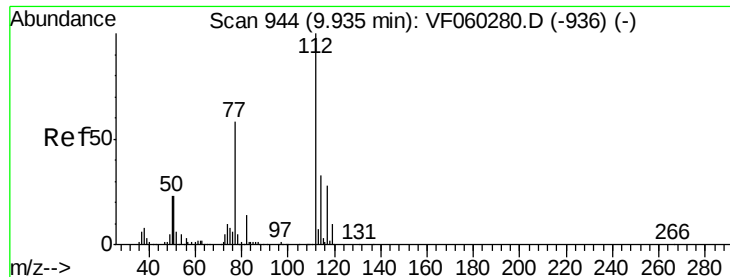
apatel
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#64
Tetrachloroethene
Concen: 44.617 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	154499		
166	126.4	106.8	160.2	
129	101.6	78.8	118.2	
131	95.2	78.7	118.1	





#65

Chlorobenzene

Concen: 46.101 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 399117

Ion Ratio Lower Upper

112 100

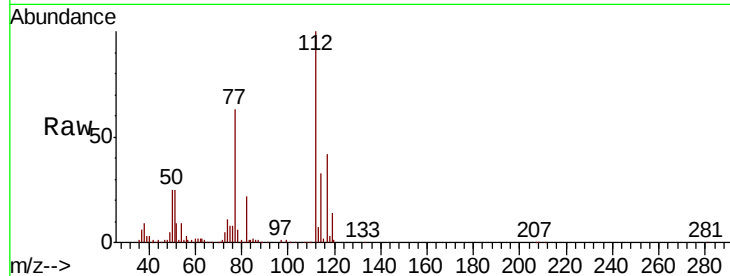
114 33.1 26.6 40.0

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

200000

150000

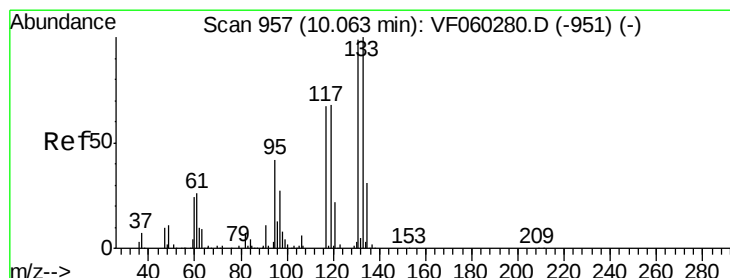
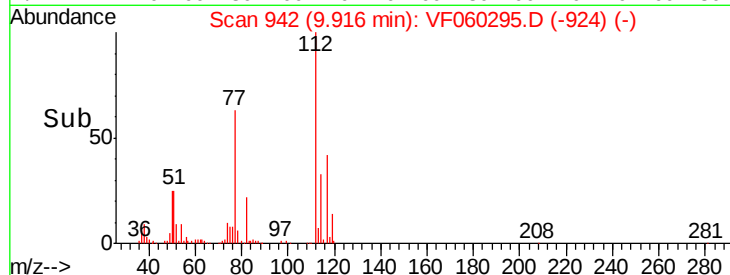
100000

50000

0

9.80 9.90 10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 47.629 ug/l

RT: 10.05 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

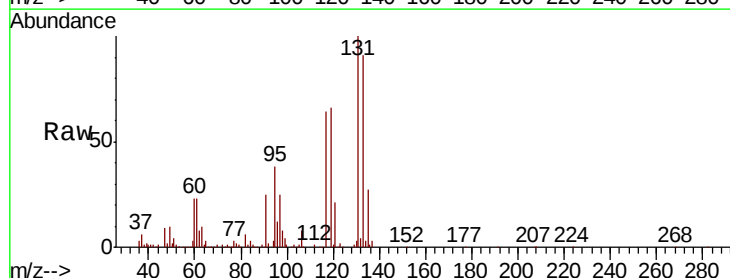
Tgt Ion:131 Resp: 171122

Ion Ratio Lower Upper

131 100

133 91.4 50.4 151.2

119 65.8 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

100000

80000

60000

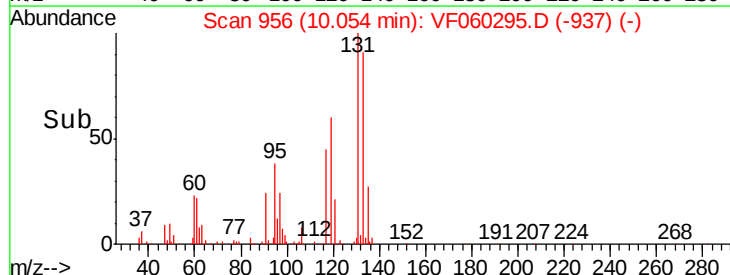
40000

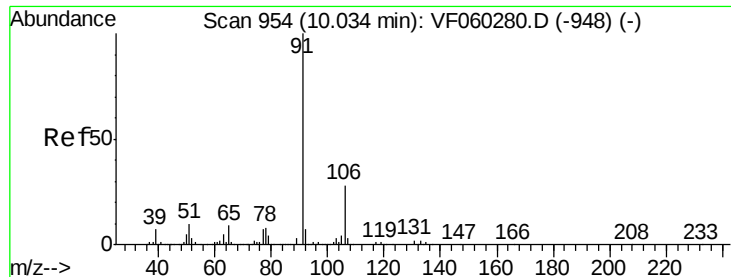
20000

0

9.90 10.00 10.10

Time-->





#67

Ethyl Benzene

Concen: 45.050 ug/l

RT: 10.01 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 721125

Ion Ratio Lower Upper

91 100

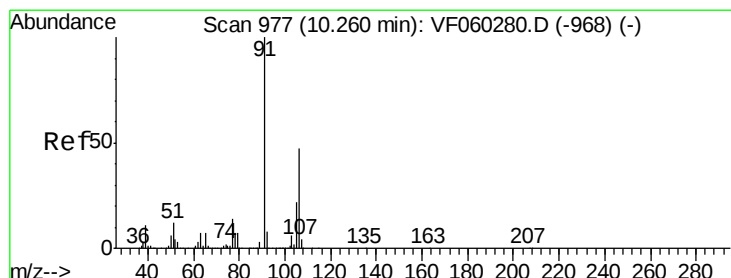
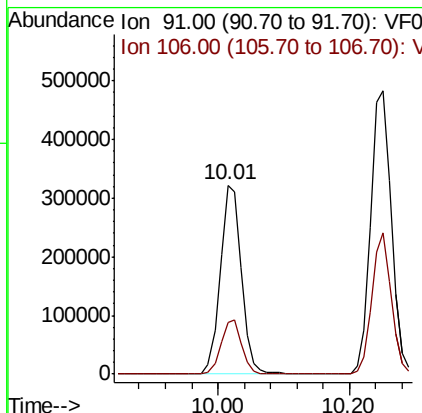
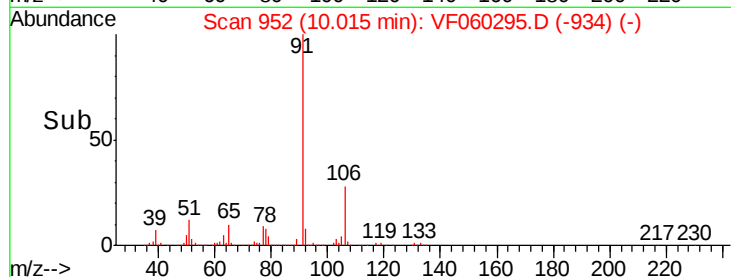
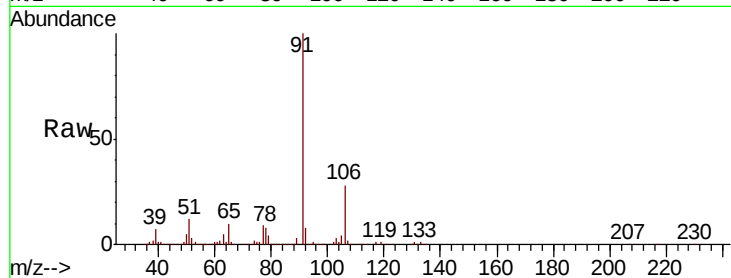
106 27.6 22.7 34.1

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#68

m/p-Xylenes

Concen: 91.074 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060295.D

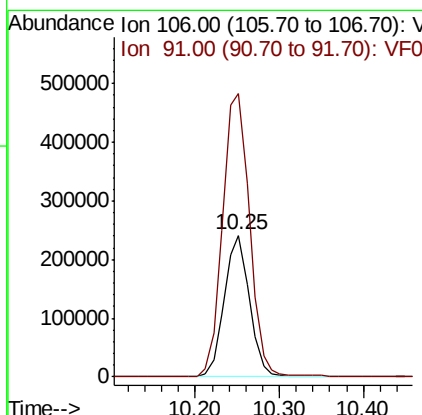
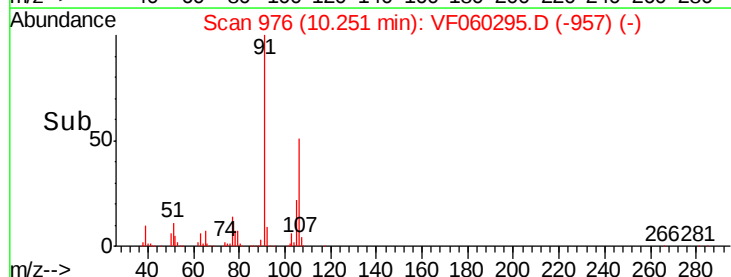
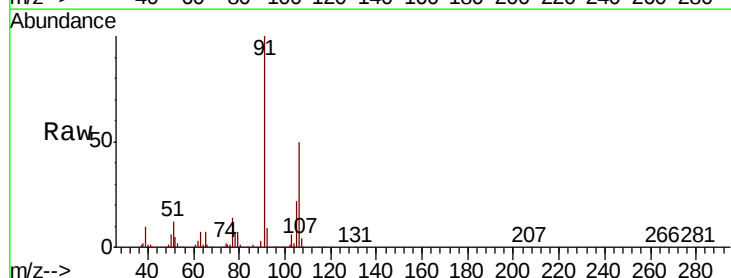
Acq: 20 Sep 2018 10:22

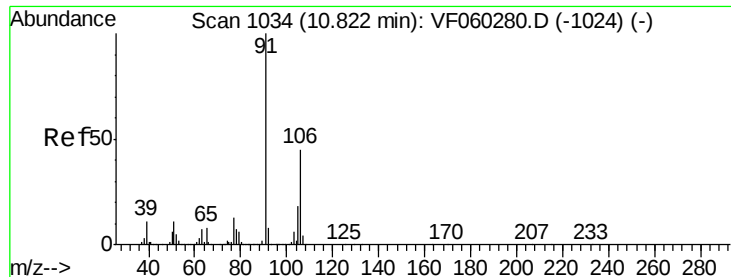
Tgt Ion: 106 Resp: 503668

Ion Ratio Lower Upper

106 100

91 199.5 172.3 258.5





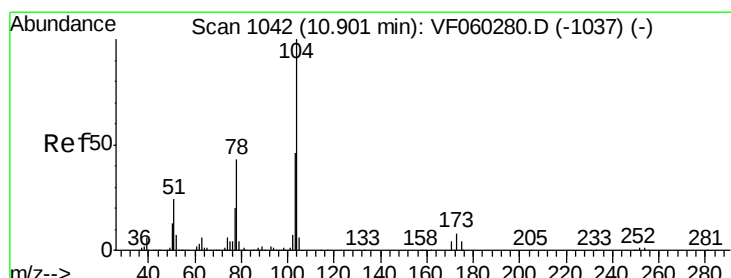
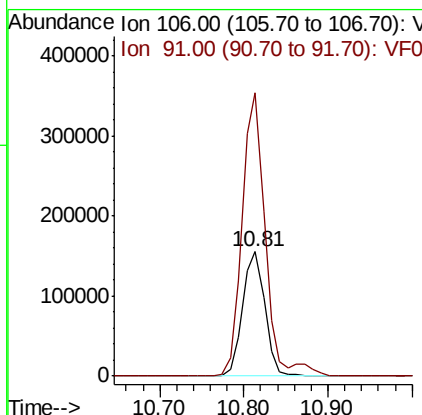
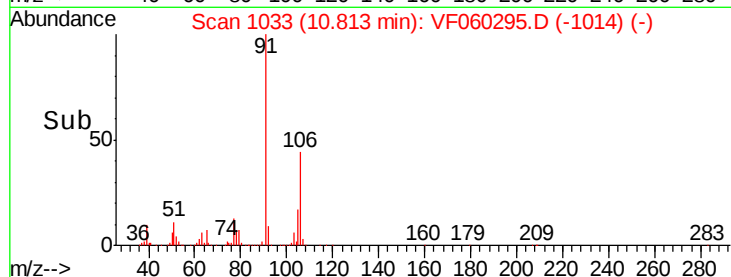
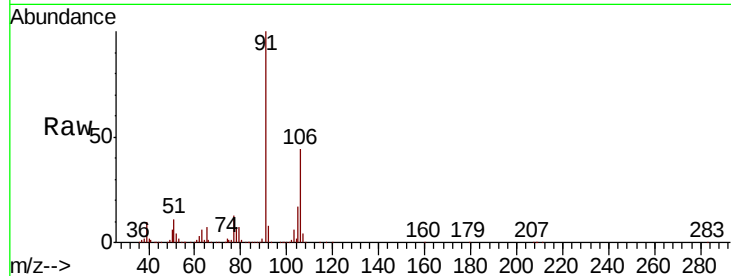
#69
o-Xylene
Concen: 46.677 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	289536		
91	91	227.2	110.9	332.6	

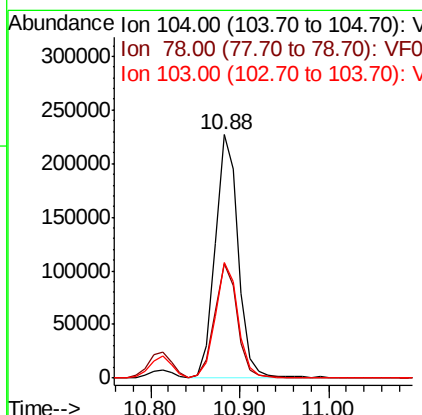
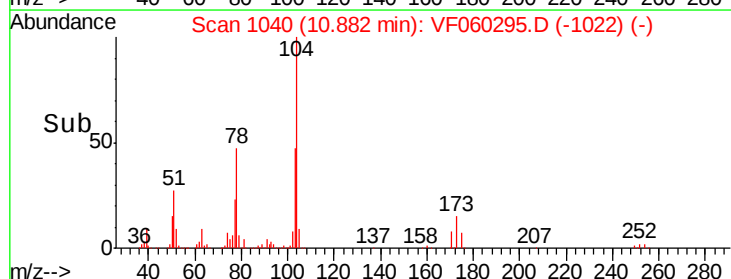
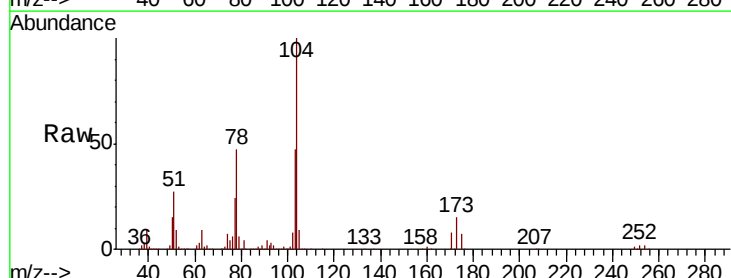
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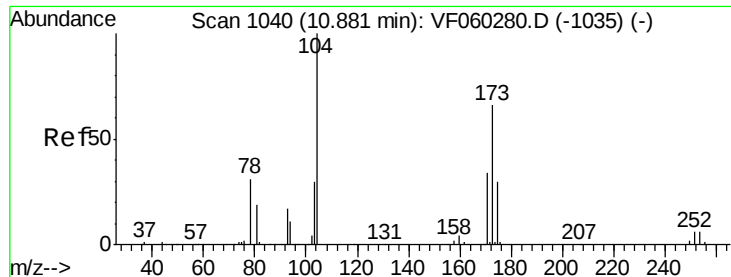
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#70
Styrene
Concen: 46.779 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	409221		
78	78	47.2	35.0	52.6	
103	103	47.3	37.4	56.0	





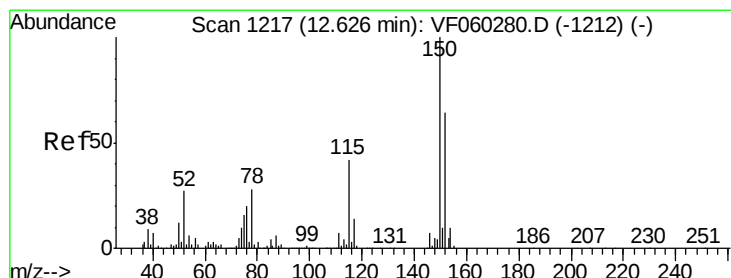
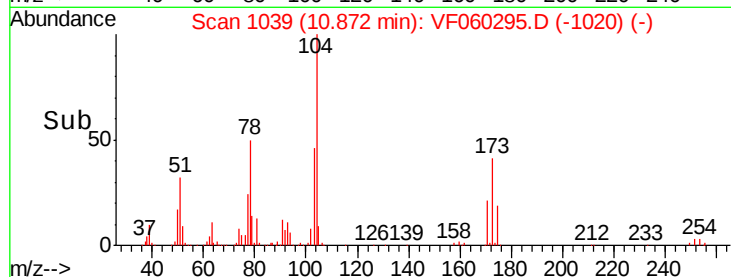
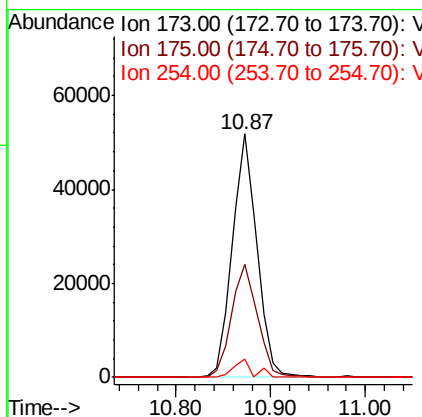
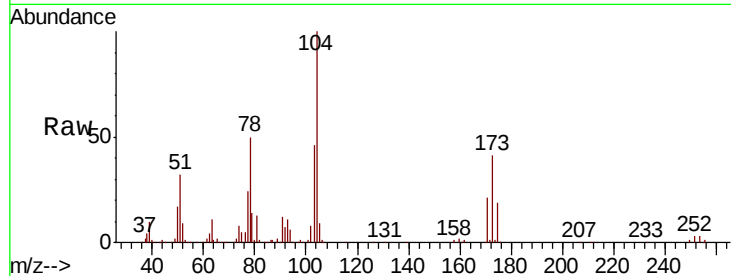
#71
Bromoform
Concen: 47.440 ug/l
RT: 10.87 min Scan# 1039
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	173	100	93608		
175	175	46.3	22.3	66.9	
254	254	7.6	0.0	0.0	

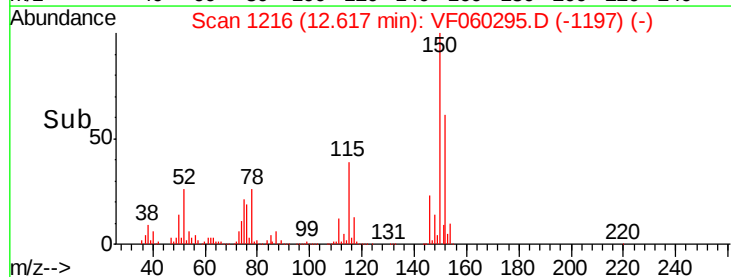
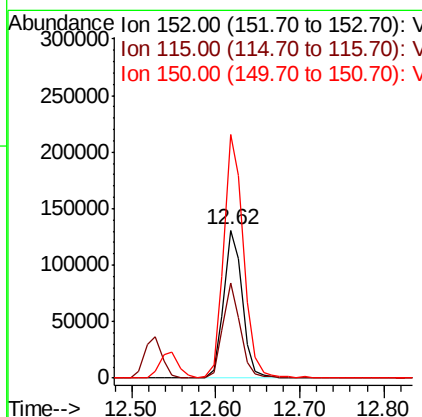
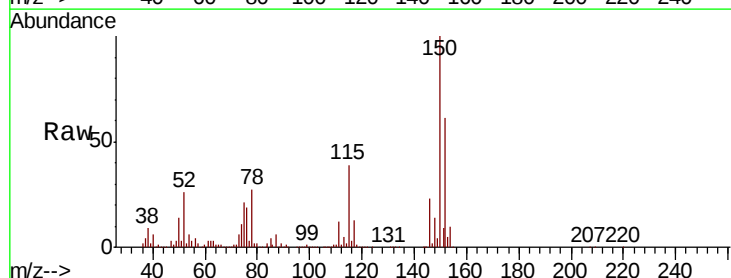
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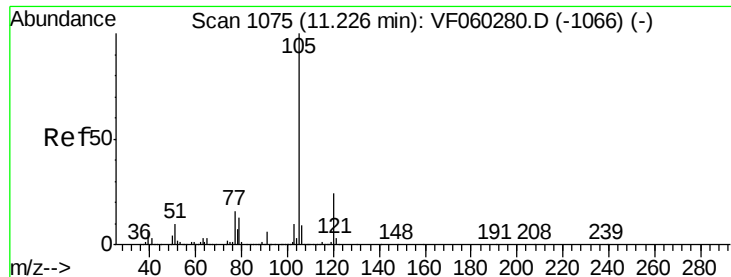
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	152	100	202245		
115	115	64.2	32.6	97.8	
150	150	164.9	0.0	314.2	





#73

Isopropylbenzene

Concen: 47.105 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 855237

Ion Ratio Lower Upper

105 100

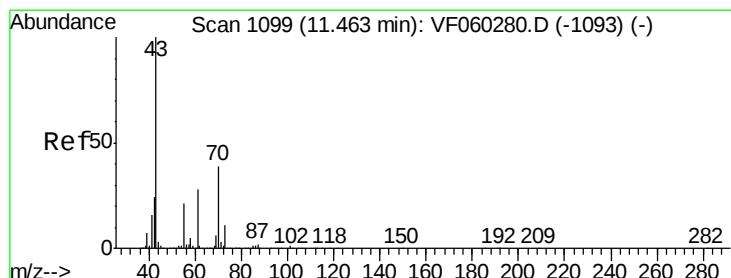
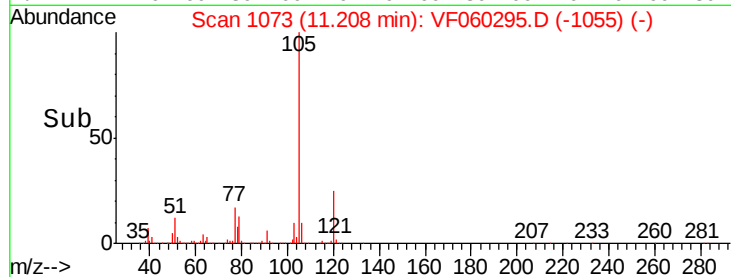
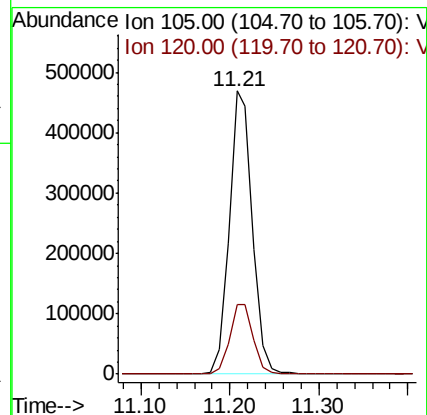
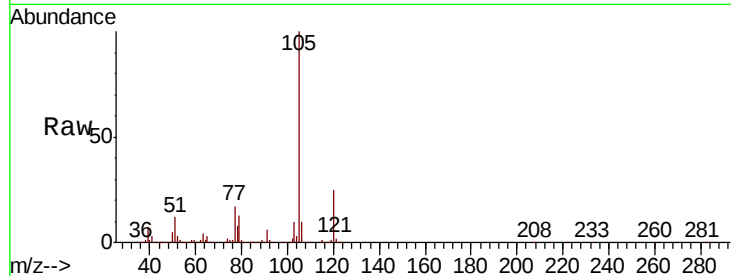
120 24.7 12.2 36.6

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#74

N-ethyl acetate

Concen: 38.042 ug/l

RT: 11.44 min Scan# 1097

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion: 43 Resp: 147285

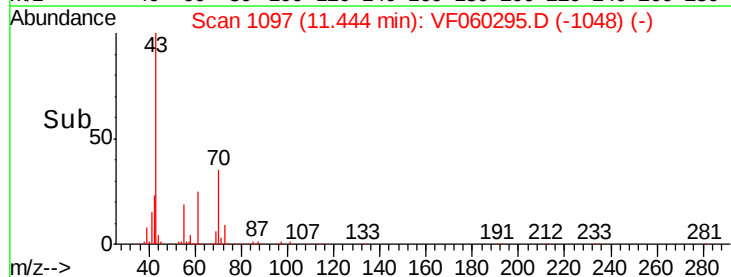
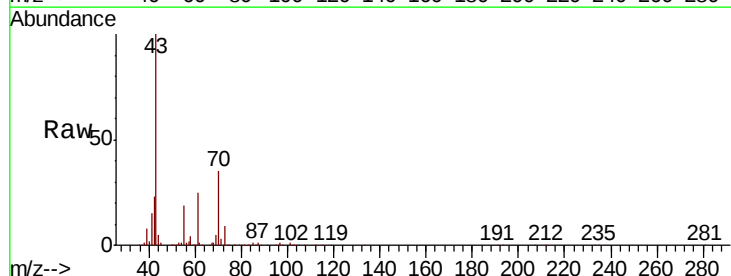
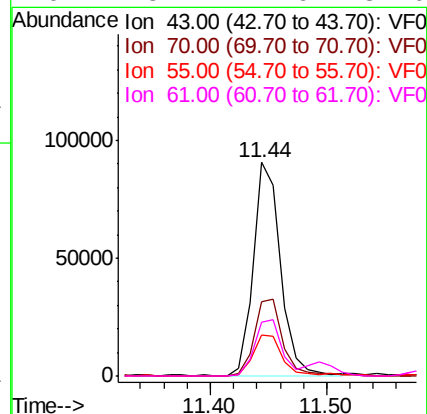
Ion Ratio Lower Upper

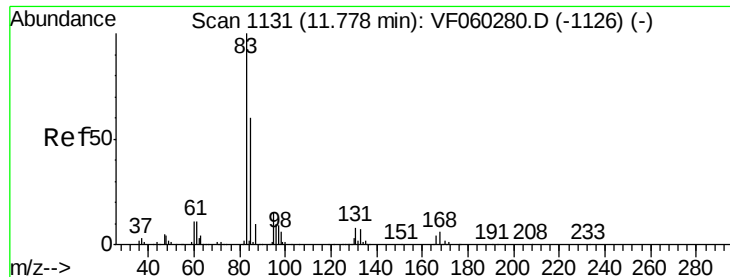
43 100

70 34.6 31.4 47.2

55 19.0 16.8 25.2

61 25.1 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.608 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

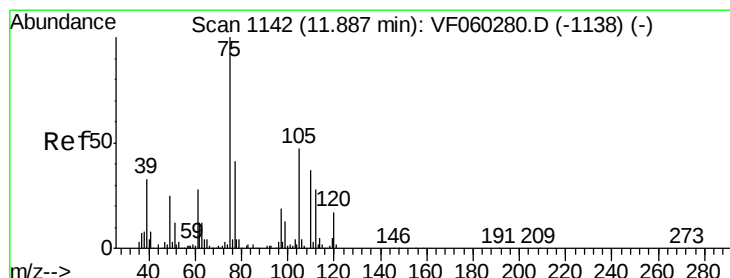
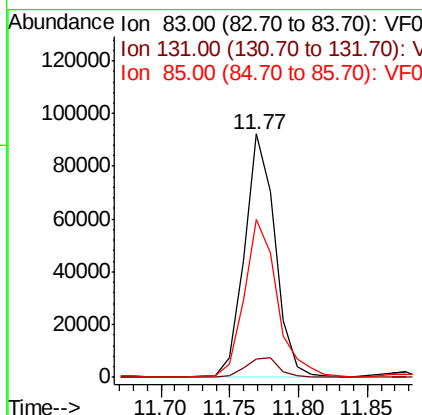
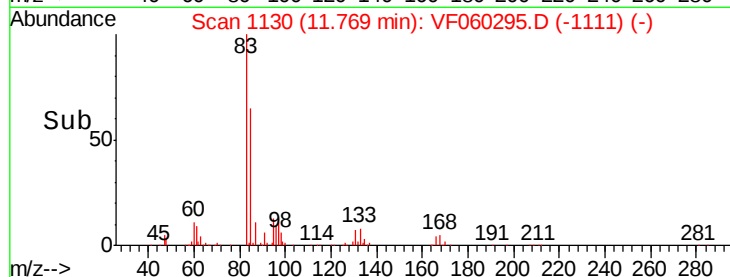
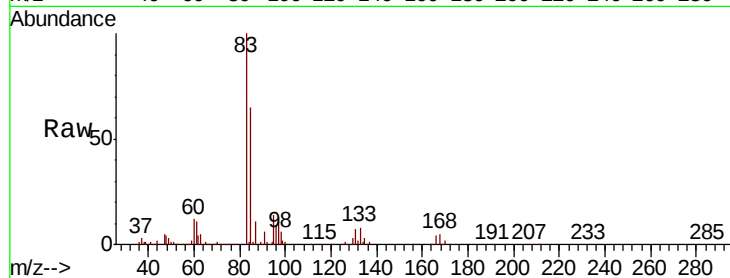
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	143535
Ion Ratio	Lower	Upper	
83	100		
131	7.5	4.2	12.4
85	64.8	30.1	90.5

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#76

1,2,3-Trichloropropane

Concen: 46.638 ug/l

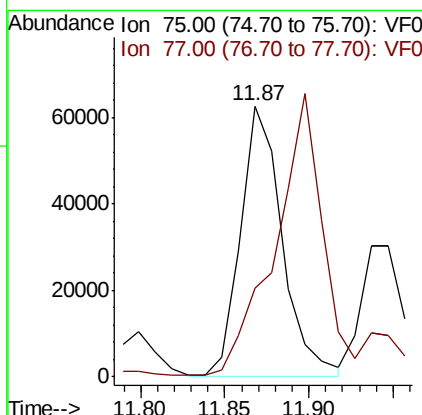
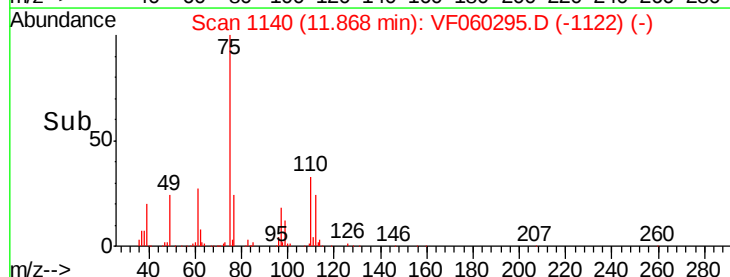
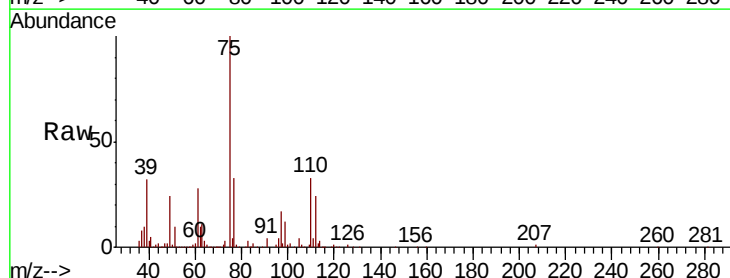
RT: 11.87 min Scan# 1140

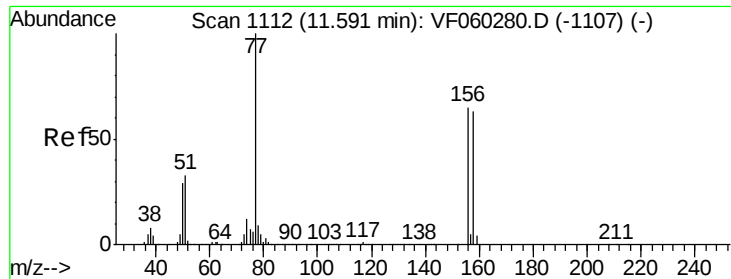
Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion:	75	Resp:	107448
Ion Ratio	Lower	Upper	
75	100		
77	32.6	20.5	61.5





#77

Bromobenzene

Concen: 44.636 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

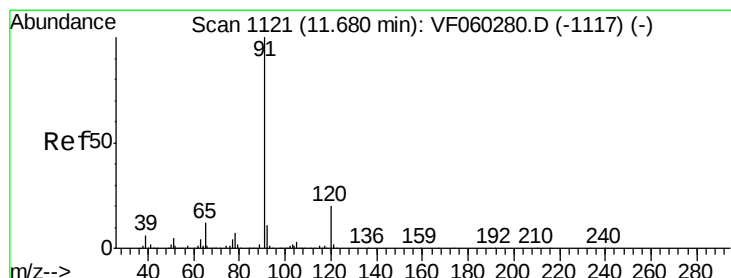
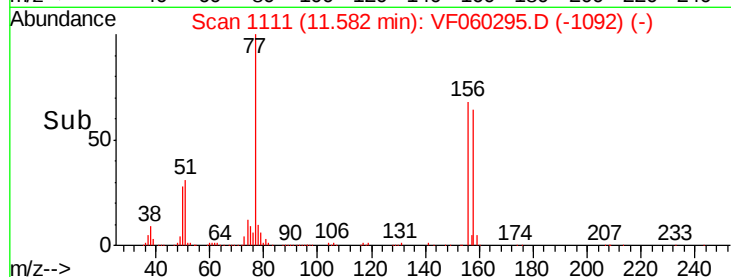
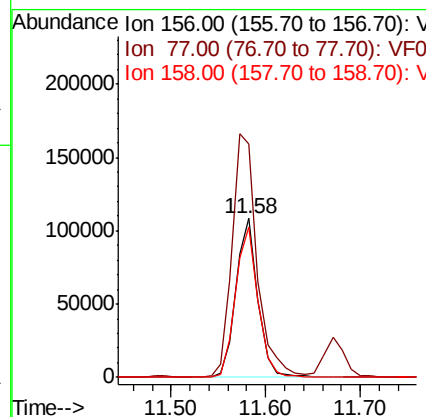
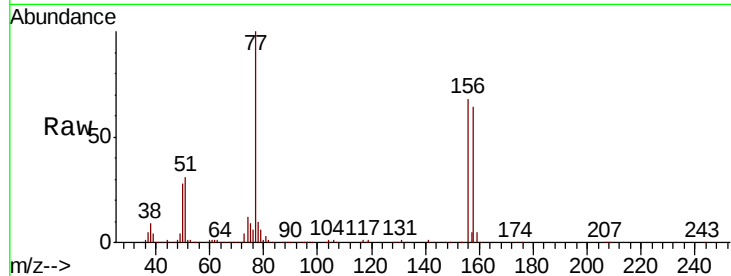
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	147.1	77.3	232.1		
158	94.6	48.4	145.2		

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#78

n-propylbenzene

Concen: 57.083 ug/l

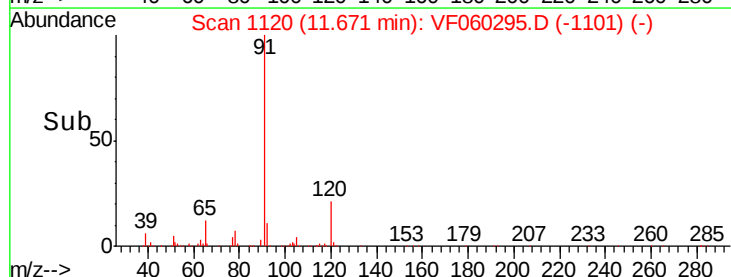
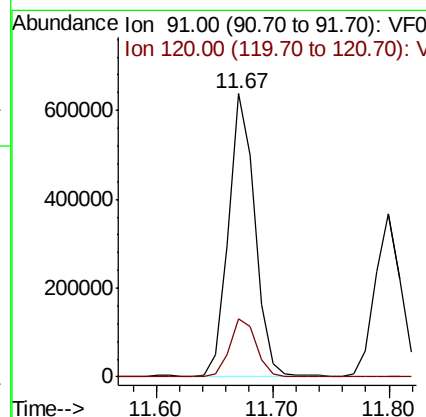
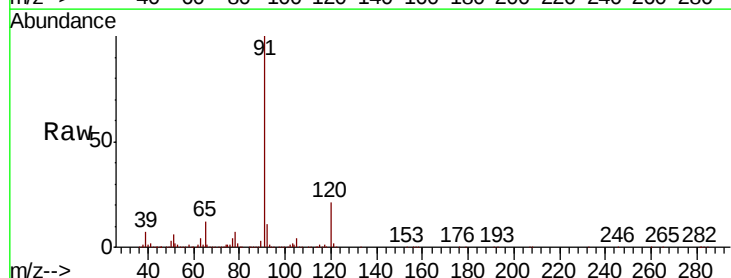
RT: 11.67 min Scan# 1120

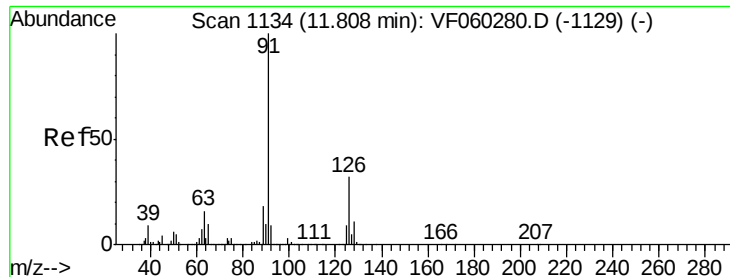
Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	20.5	10.0	29.8		





#79

2-Chlorotoluene

Concen: 45.983 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 563164

Ion Ratio Lower Upper

91 100

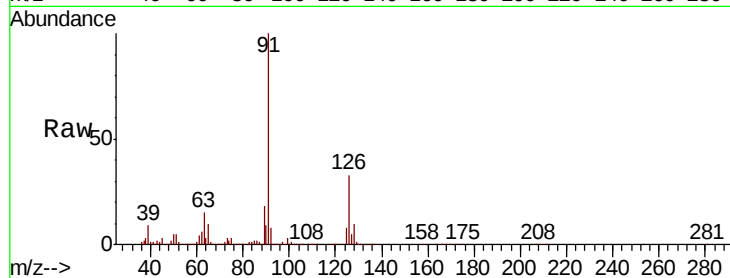
126 33.1 16.1 48.3

Manual Integrations

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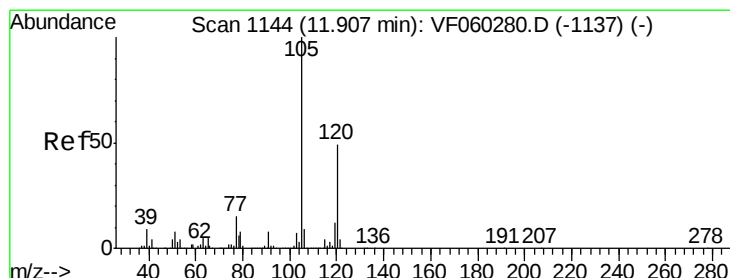
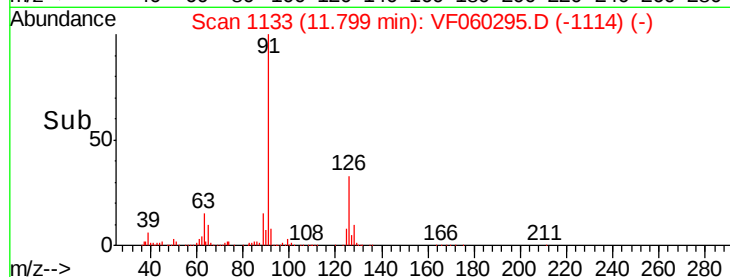
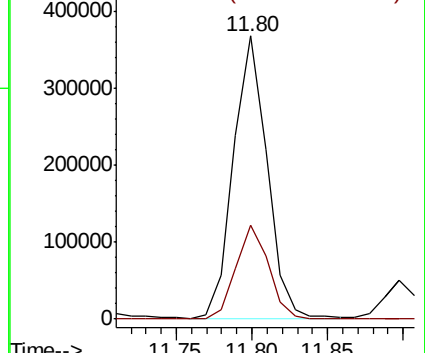
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 46.751 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060295.D

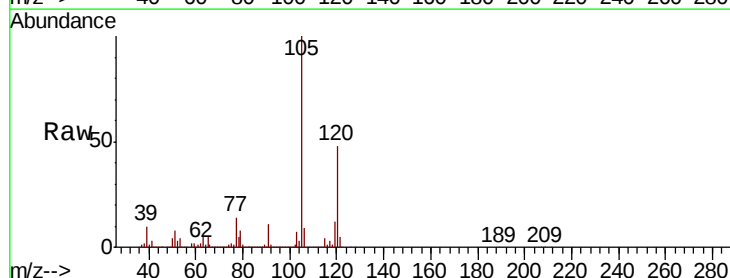
Acq: 20 Sep 2018 10:22

Tgt Ion:105 Resp: 683260

Ion Ratio Lower Upper

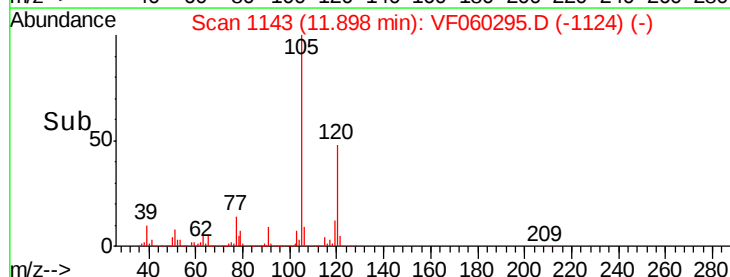
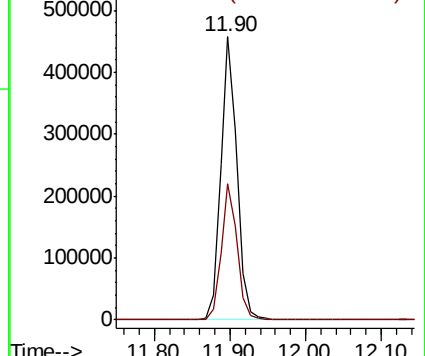
105 100

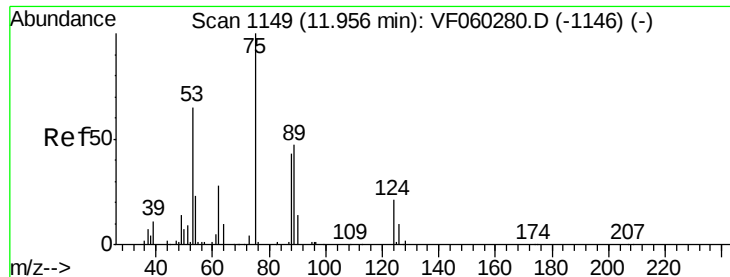
120 48.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.995 ug/l m

RT: 11.94 min Scan# 1147

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 56001

Ion Ratio Lower Upper

75 100

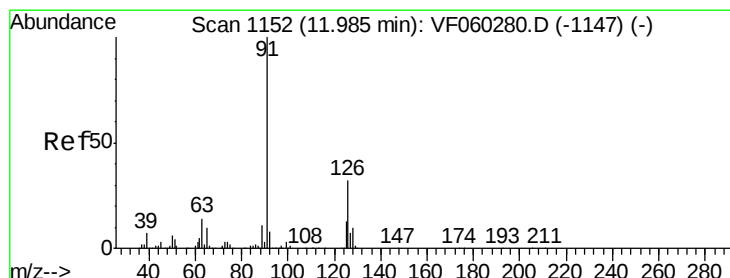
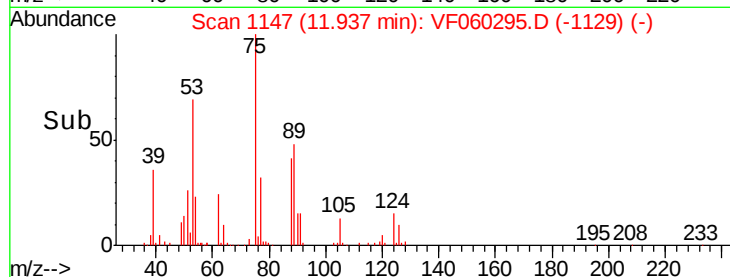
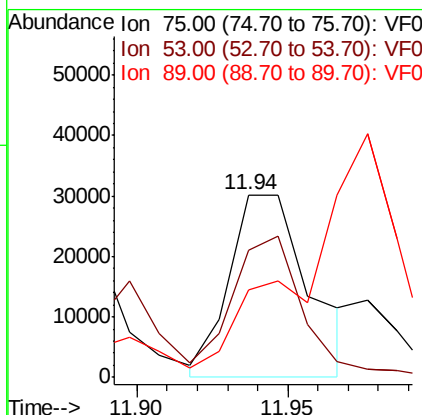
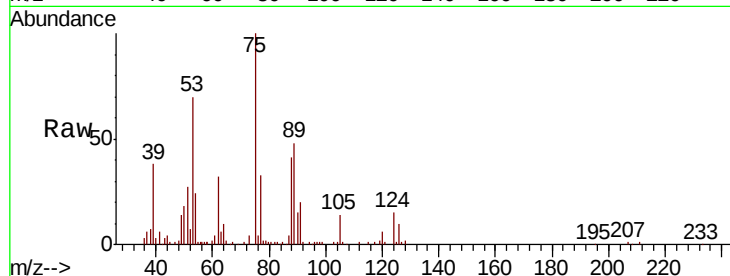
53 69.7 56.5 84.7

89 47.9 40.6 60.8

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#82

4-Chlorotoluene

Concen: 47.028 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060295.D

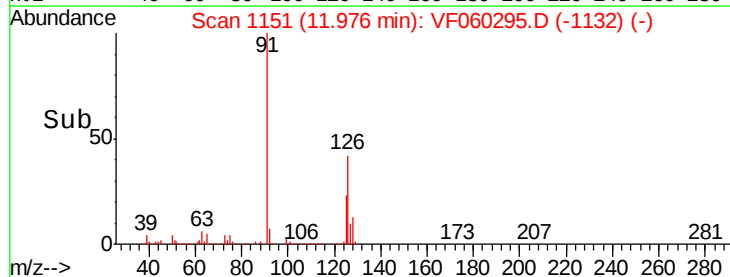
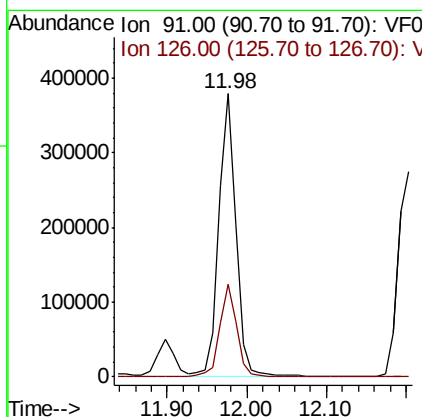
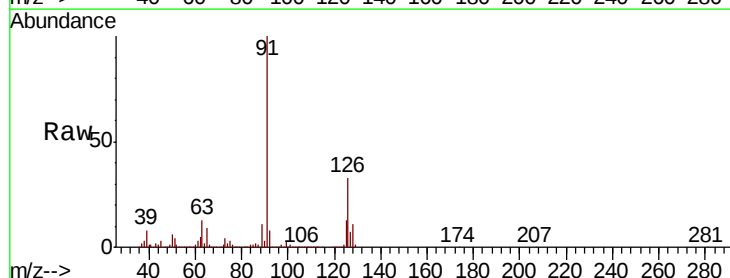
Acq: 20 Sep 2018 10:22

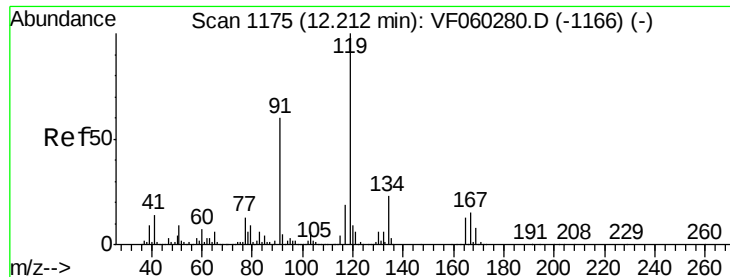
Tgt Ion: 91 Resp: 578904

Ion Ratio Lower Upper

91 100

126 32.8 16.1 48.2





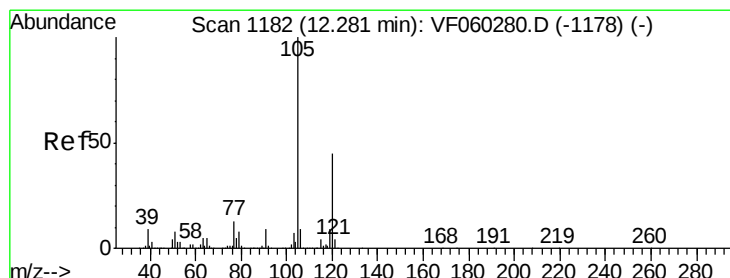
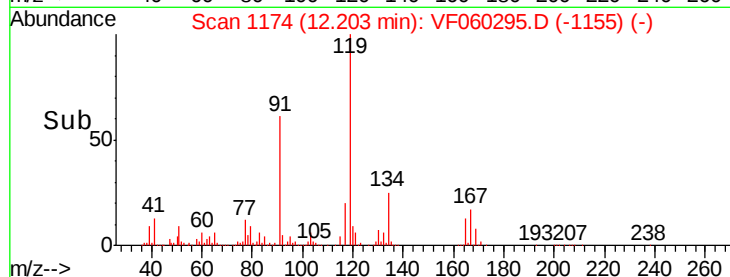
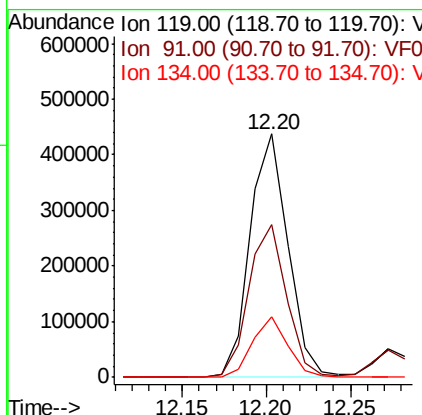
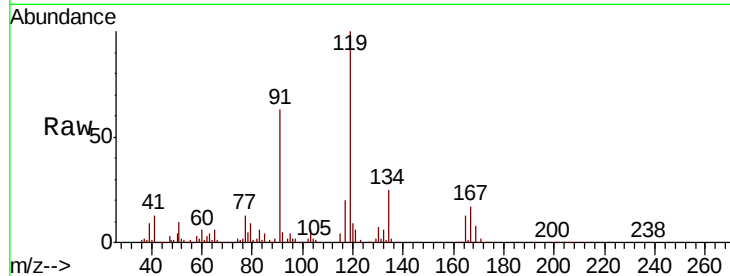
#83
 tert-Butylbenzene
 Concen: 46.278 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	685623		
91	62.7	30.3	91.0	
134	24.7	11.6	34.8	

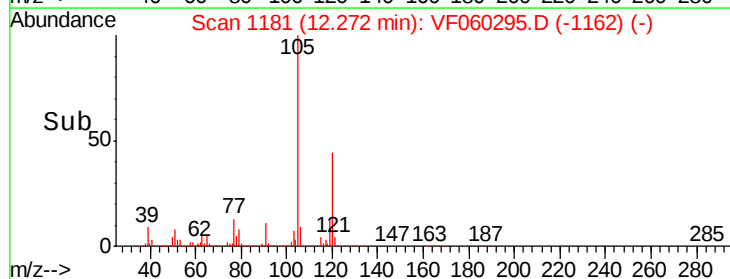
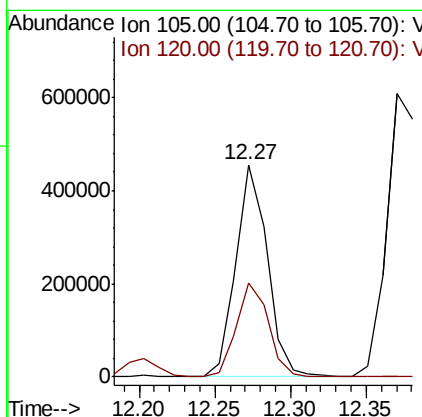
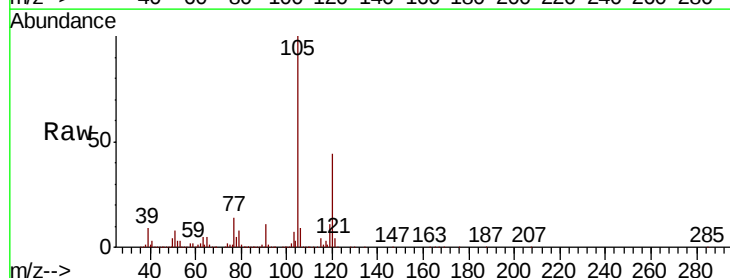
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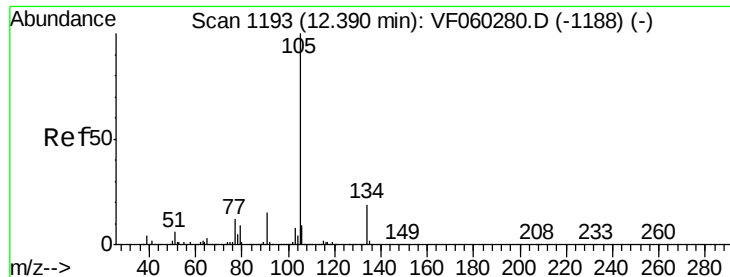
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#84
 1,2,4-Trimethylbenzene
 Concen: 44.426 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	659308		
120	44.3	22.4	67.0	





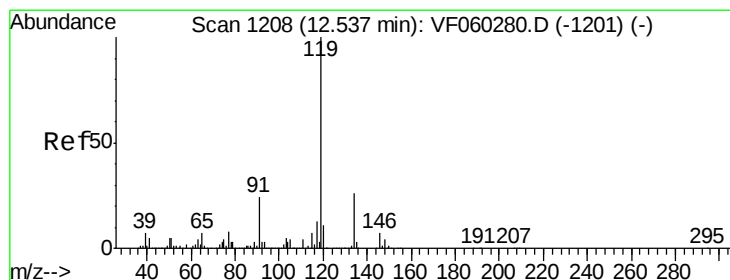
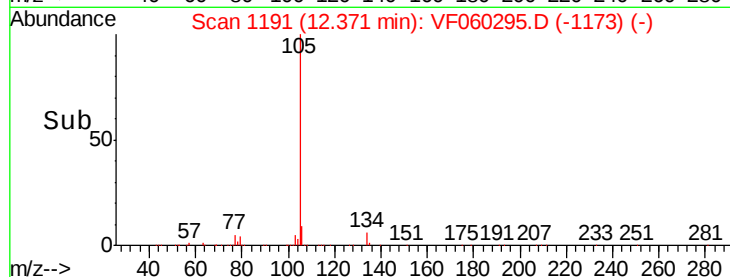
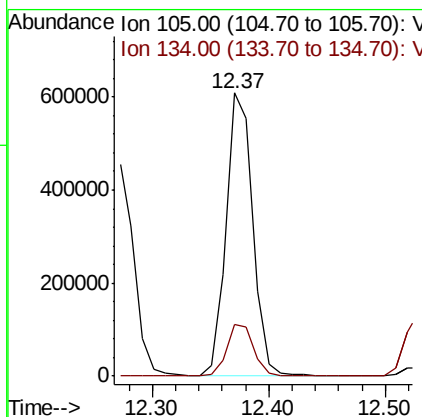
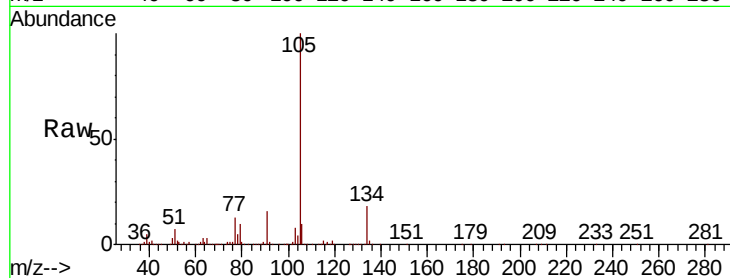
#85
 sec-Butylbenzene
 Concen: 56.778 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	959924		
134	18.4	9.6	28.6	

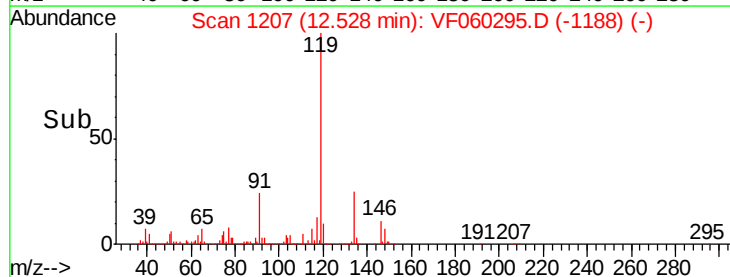
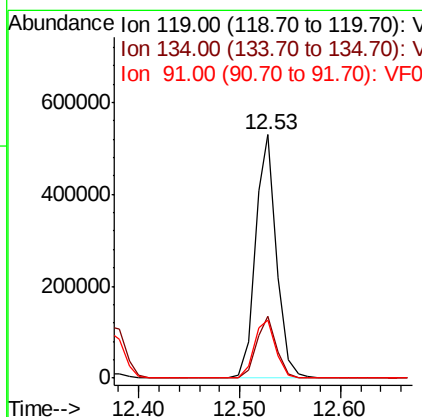
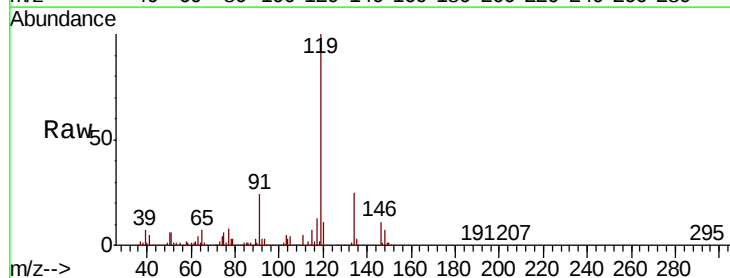
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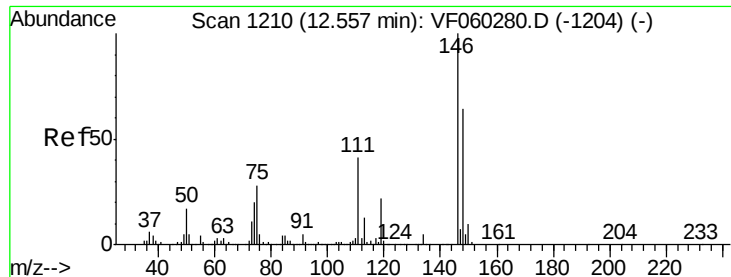
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#86
 p-Isopropyltoluene
 Concen: 56.491 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	764467		
134	25.3	12.9	38.7	
91	24.0	11.9	35.7	





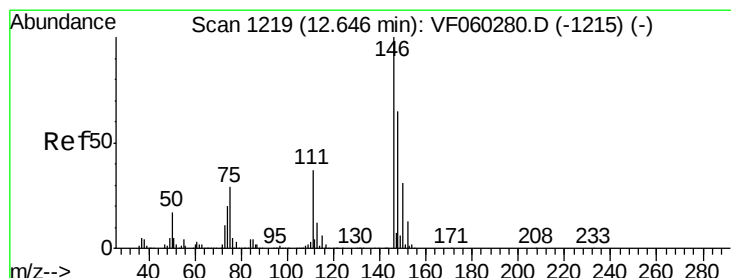
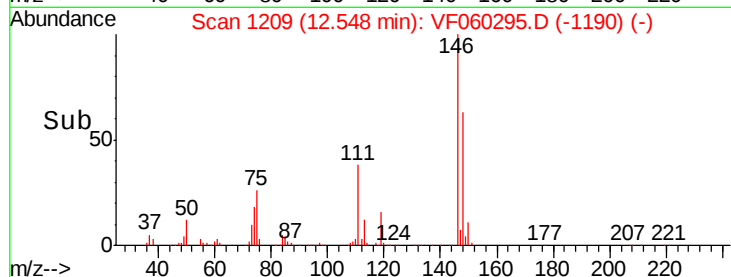
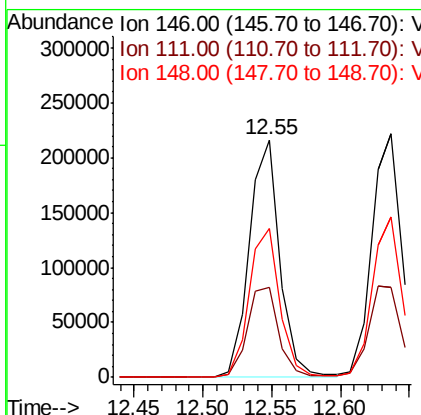
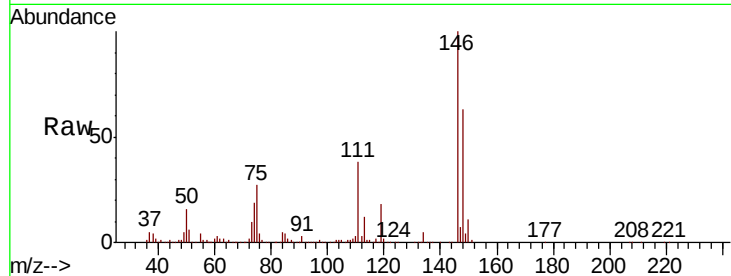
#87
 1,3-Dichlorobenzene
 Concen: 45.800 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.5	61.6
148	62.7	32.2	96.6

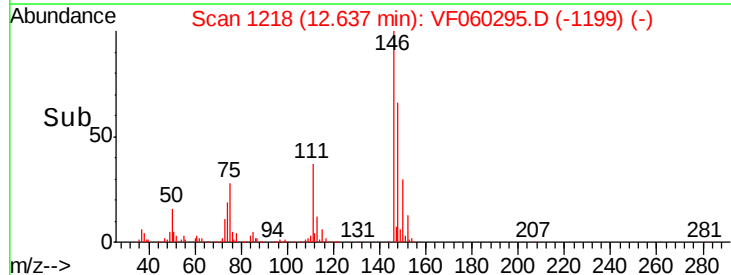
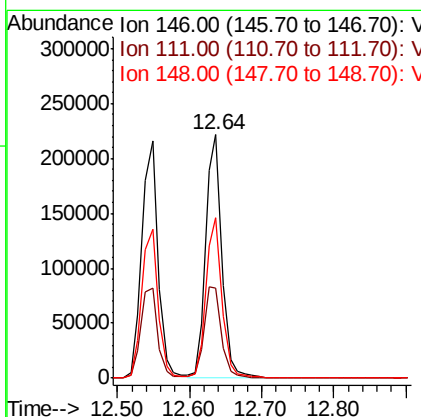
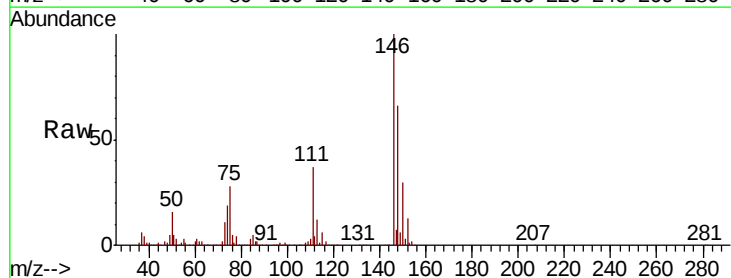
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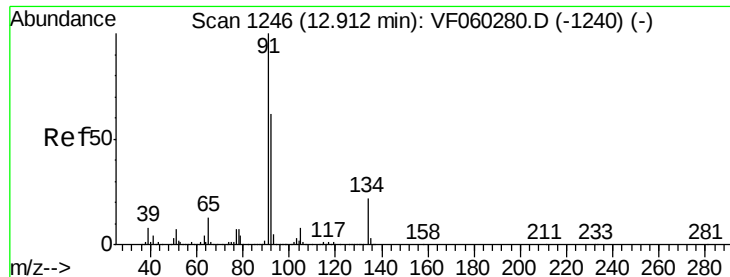
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#88
 1,4-Dichlorobenzene
 Concen: 47.716 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	66.1	32.4	97.0





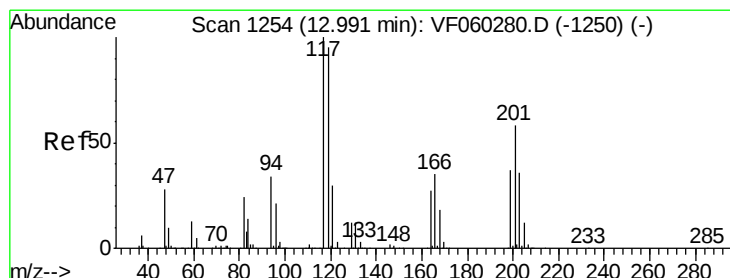
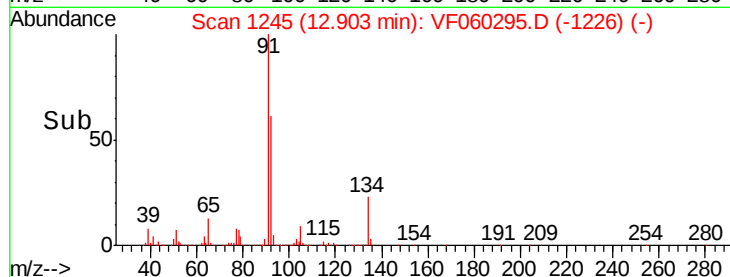
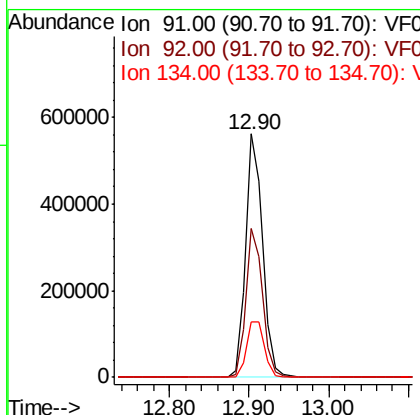
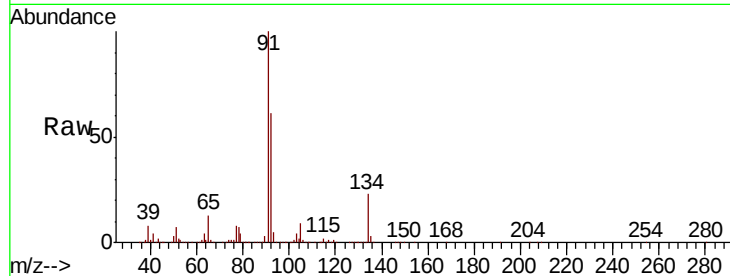
#89
n-Butylbenzene
Concen: 53.661 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	817092		
92	61.2		31.1	93.5
134	23.0		11.0	33.0

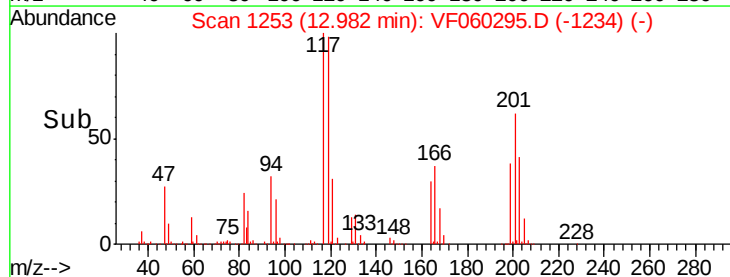
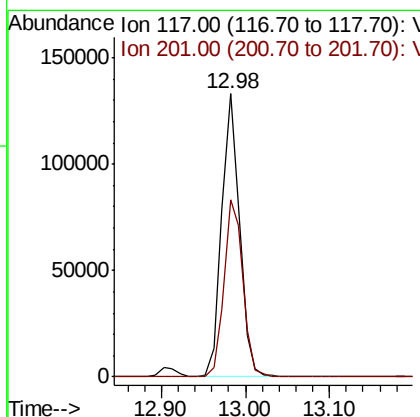
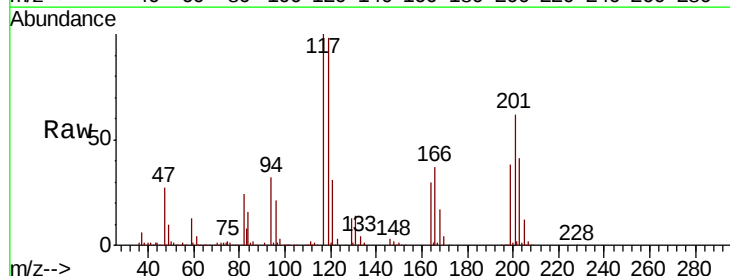
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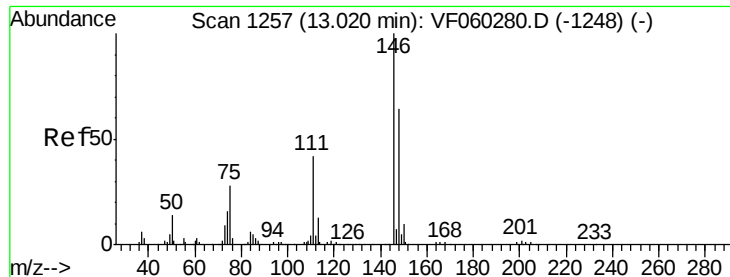
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#90
Hexachloroethane
Concen: 47.422 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	196599		
201	62.4		29.0	87.0





#91

1,2-Dichlorobenzene

Concen: 47.396 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

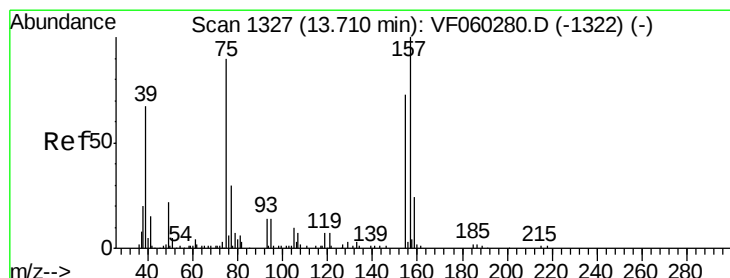
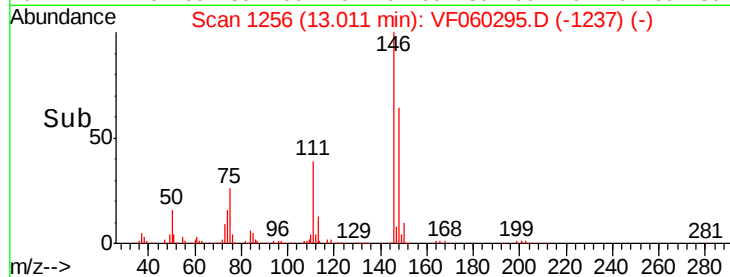
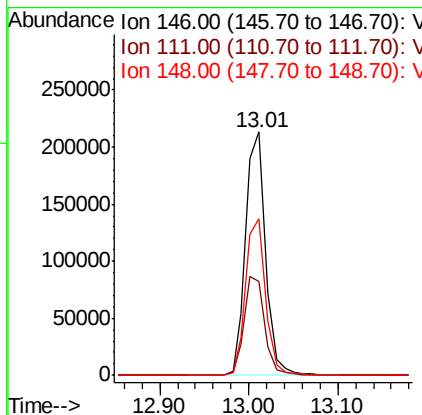
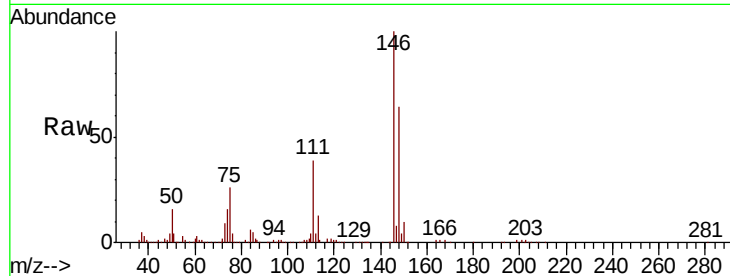
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	330583
Ion Ratio	Lower	Upper	
146	100		
111	38.8	20.9	62.8
148	64.2	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 44.120 ug/l

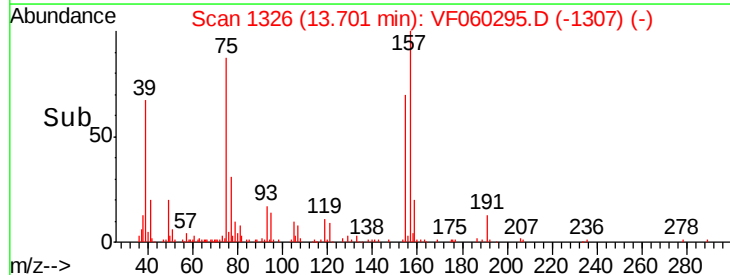
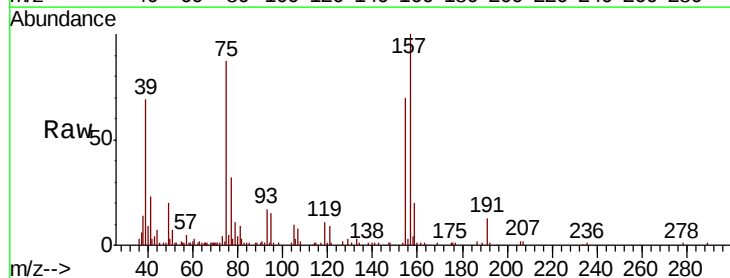
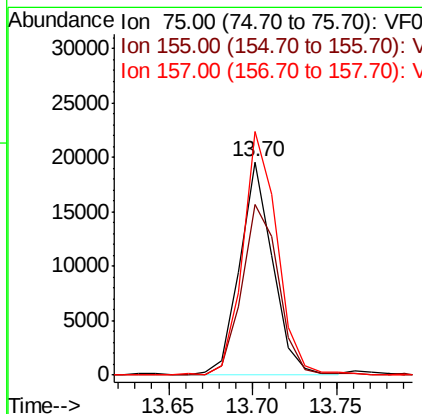
RT: 13.70 min Scan# 1326

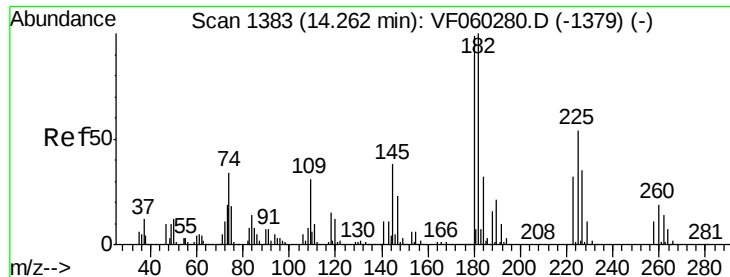
Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion:	75	Resp:	26654
Ion Ratio	Lower	Upper	
75	100		
155	80.2	41.9	125.7
157	114.3	57.4	172.0





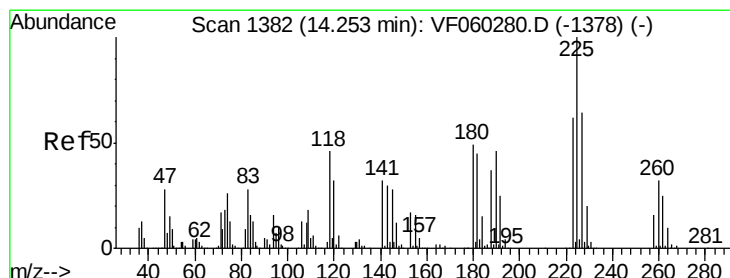
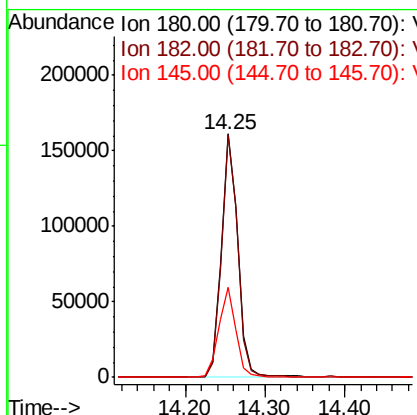
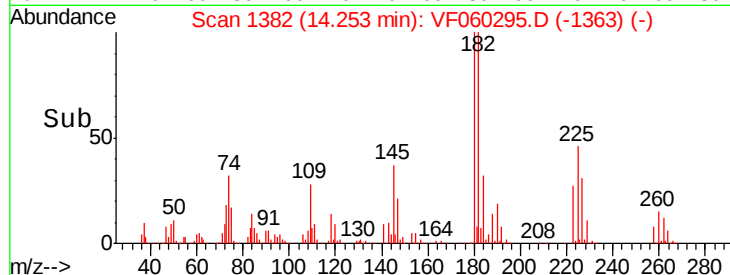
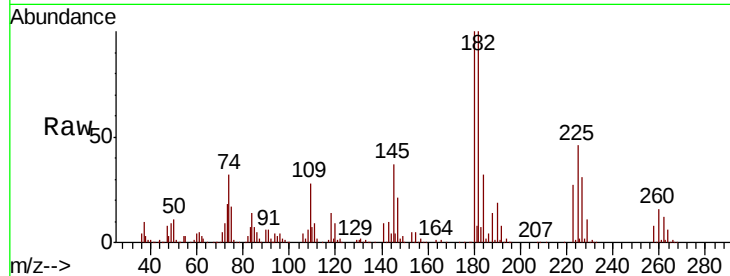
#93
 1,2,4-Trichlorobenzene
 Concen: 46.881 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	237670		
182	99.6	50.3	151.0	
145	36.7	18.9	56.9	

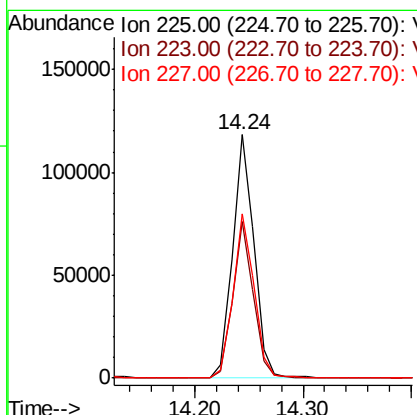
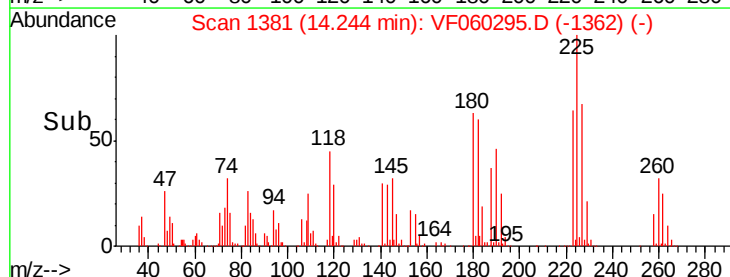
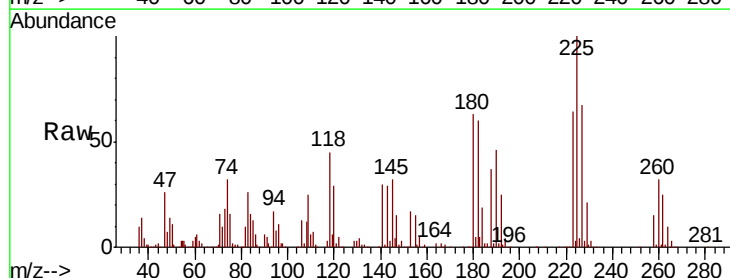
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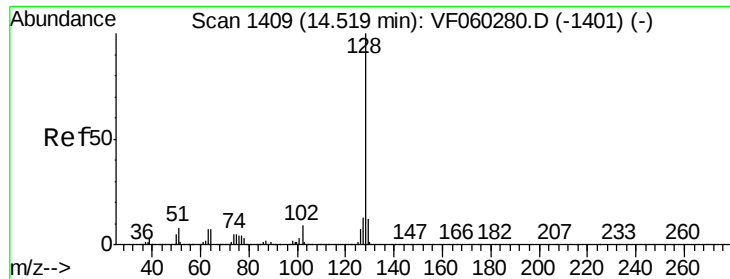
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#94
 Hexachlorobutadiene
 Concen: 47.407 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	162470		
223	64.3	31.2	93.6	
227	67.4	32.2	96.6	





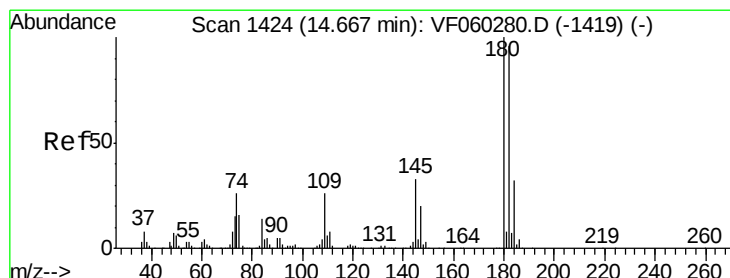
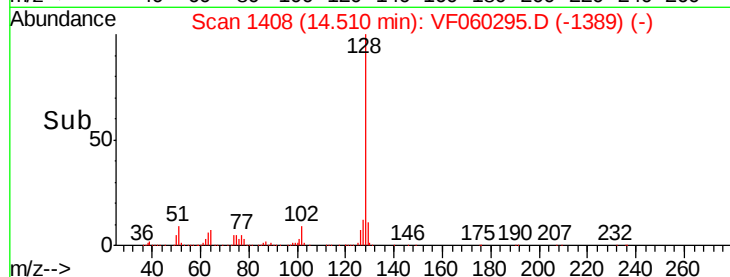
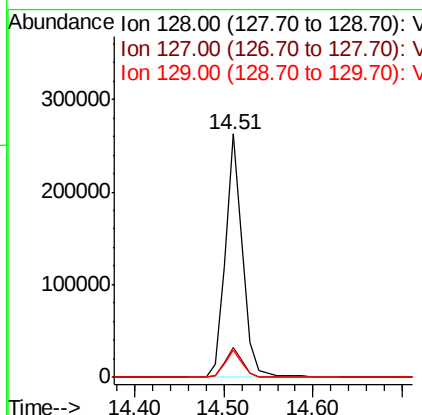
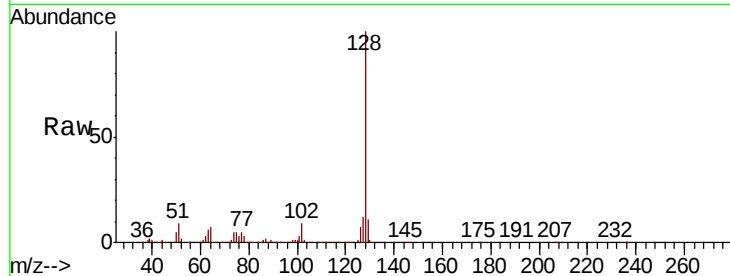
#95
Naphthalene
Concen: 40.830 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	362913		
127	12.3		10.1	15.1
129	11.2		9.8	14.8

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#96
1,2,3-Trichlorobenzene
Concen: 46.091 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	215913		
182	100.0		47.8	143.4
145	32.7		16.4	49.1

