

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060347.D
 Acq On : 26 Sep 2018 12:21
 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
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 9/27/2018 9:56:11 AM

Quant Time: Sep 26 17:06:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	297966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	489713	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	436921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	235114	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	194562	48.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.98%	
35) Dibromofluoromethane	4.28	113	207591	47.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.10%	
50) Toluene-d8	7.69	98	526647	46.32	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.64%	
62) 4-Bromofluorobenzene	11.51	95	242061	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	217472	48.508	ug/l	94
3) Chloromethane	1.13	50	168144	41.410	ug/l	98
4) Vinyl Chloride	1.18	62	181045	43.750	ug/l	97
5) Bromomethane	1.36	94	120993	52.135	ug/l	94
6) Chloroethane	1.42	64	88340	44.824	ug/l	99
7) Trichlorofluoromethane	1.54	101	362032	46.959	ug/l	96
8) Diethyl Ether	1.70	74	58265	45.425	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	188624	46.005	ug/l	97
10) Methyl Iodide	1.97	142	298401	45.132	ug/l	93
11) Tert butyl alcohol	2.68	59	68117	308.087	ug/l	97
12) 1,1-Dichloroethene	1.85	96	150878	44.496	ug/l	97
13) Acrolein	2.08	56	16545	220.634	ug/l	93
14) Allyl chloride	2.18	41	267730	45.247	ug/l	99
15) Acrylonitrile	3.06	53	135577	239.256	ug/l	99
16) Acetone	2.33	43	333223	294.907	ug/l	98
17) Carbon Disulfide	1.90	76	401666	46.655	ug/l	97
18) Methyl Acetate	2.44	43	96659	51.350	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	426238	50.424	ug/l	98
20) Methylene Chloride	2.27	84	157224m	51.782	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	154448	44.101	ug/l	98
22) Diisopropyl ether	2.91	45	540157	48.383	ug/l	98
23) Vinyl Acetate	3.33	43	1107235	252.522	ug/l	97
24) 1,1-Dichloroethane	2.99	63	335316	46.312	ug/l	99
25) 2-Butanone	4.49	43	429813	282.610	ug/l	98
26) 2,2-Dichloropropane	3.75	77	189414	45.850	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	213642	46.435	ug/l	93
28) Bromochloromethane	3.88	49	136909	48.568	ug/l	89
29) Tetrahydrofuran	4.23	42	150515	270.249	ug/l	97
30) Chloroform	4.03	83	420943	48.184	ug/l	100
31) Cyclohexane	3.86	56	261508	42.760	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	327587	47.522	ug/l	97
36) 1,1-Dichloropropene	4.45	75	301029	49.281	ug/l	95
37) Ethyl Acetate	4.28	43	122372	47.345	ug/l #	86
38) Carbon Tetrachloride	4.16	117	311359m	47.455	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	296006	44.711	ug/l	95
40) Benzene	4.81	78	680234	49.111	ug/l	100
41) Methacrylonitrile	4.91	41	75112	53.556	ug/l	94
42) 1,2-Dichloroethane	5.10	62	275245	53.989	ug/l	97
43) Isopropyl Acetate	7.10	43	174423	56.056	ug/l #	91
44) Trichloroethene	5.66	130	195498	47.426	ug/l	99
45) 1,2-Dichloropropane	6.39	63	177094	49.403	ug/l	90
46) Dibromomethane	6.24	93	124678	48.658	ug/l	96
47) Bromodichloromethane	6.54	83	298291	48.442	ug/l	98
48) Methyl methacrylate	6.87	41	110906	50.775	ug/l	91
49) 1,4-Dioxane	6.85	88	22952	1176.185	ug/l #	81
51) 4-Methyl-2-Pentanone	8.39	43	778229	324.502	ug/l	99
52) Toluene	7.77	92	432080	49.310	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	257585	51.860	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	317642	50.764	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	149271	56.128	ug/l	98
56) Ethyl methacrylate	8.75	69	192139	59.820	ug/l	98
57) 1,3-Dichloropropane	8.99	76	253344	57.532	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.76	63	68319	240.607	ug/l	100
59) 2-Hexanone	9.63	43	580965	340.232	ug/l	98
60) Dibromochloromethane	8.86	129	211766	53.424	ug/l	97
61) 1,2-Dibromoethane	9.13	107	151846	51.273	ug/l	89
64) Tetrachloroethene	8.29	164	183115	46.232	ug/l	95
65) Chlorobenzene	9.93	112	498325	50.323	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	206736	50.306	ug/l	96
67) Ethyl Benzene	10.03	91	898296	49.062	ug/l	99
68) m/p-Xylenes	10.27	106	616149	97.405	ug/l	89
69) o-Xylene	10.82	106	352080	49.623	ug/l	97
70) Styrene	10.90	104	481330	48.105	ug/l	98
71) Bromoform	10.88	173	116888	51.790	ug/l #	97
73) Isopropylbenzene	11.22	105	1022821	48.459	ug/l	98
74) N-amyl acetate	11.46	43	256661	57.024	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	202989	54.266	ug/l	91
76) 1,2,3-Trichloropropane	11.88	75	143018	53.398	ug/l	89
77) Bromobenzene	11.59	156	220176	48.404	ug/l	90
78) n-propylbenzene	11.69	91	1180929	58.130	ug/l	94
79) 2-Chlorotoluene	11.80	91	696455	48.916	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	840311	49.458	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	72458m	51.192	ug/l	
82) 4-Chlorotoluene	11.98	91	677395	47.336	ug/l	100
83) tert-Butylbenzene	12.21	119	826103	47.964	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	781468	45.296	ug/l	96
85) sec-Butylbenzene	12.39	105	1078135	54.515	ug/l	99
86) p-Isopropyltoluene	12.53	119	877565	55.664	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	395173	46.491	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	410917	48.910	ug/l	95
89) n-Butylbenzene	12.92	91	961140	54.431	ug/l	96
90) Hexachloroethane	12.99	117	231900	48.117	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	389073	47.983	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	37024	52.718	ug/l	85

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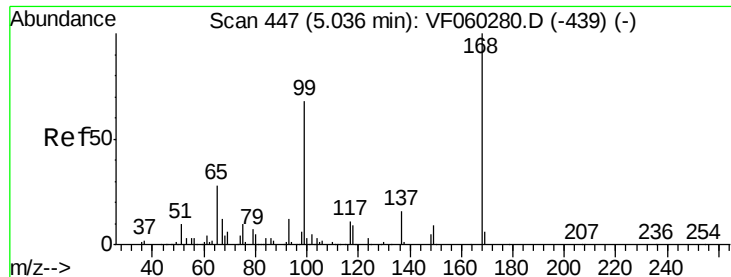
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	288611	48.970	ug/l	96
94) Hexachlorobutadiene	14.25	225	187704	47.113	ug/l	100
95) Naphthalene	14.52	128	581253	56.252	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	282226	51.824	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.00 min

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Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 297966

Ion Ratio Lower Upper

168 100

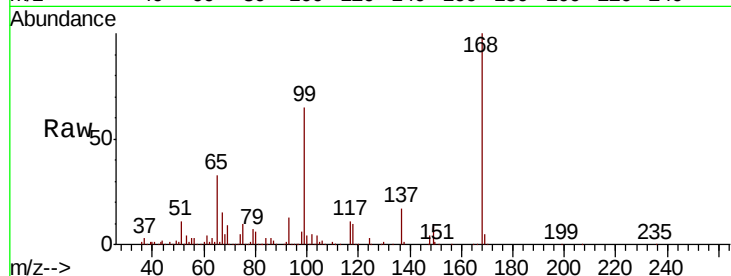
99 64.7 54.8 82.2

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

120000

100000

80000

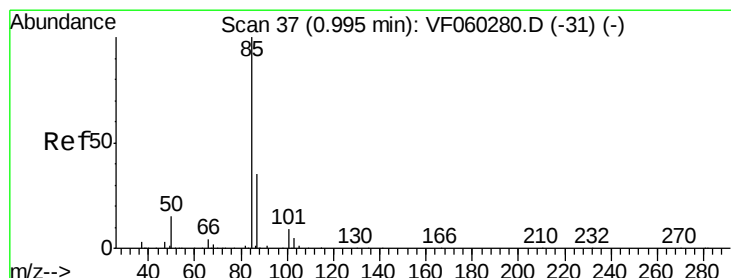
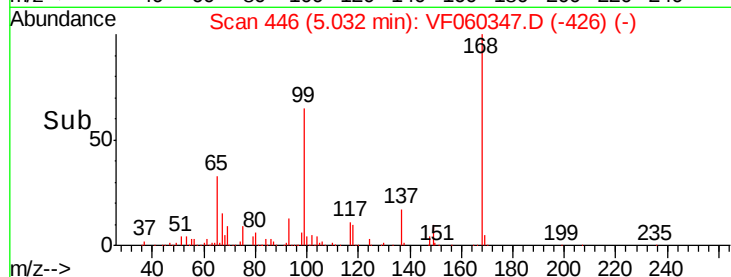
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.508 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060347.D

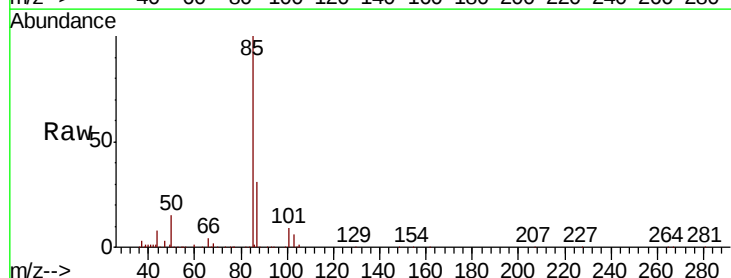
Acq: 26 Sep 2018 12:21

Tgt Ion: 85 Resp: 217472

Ion Ratio Lower Upper

85 100

87 31.5 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

80000

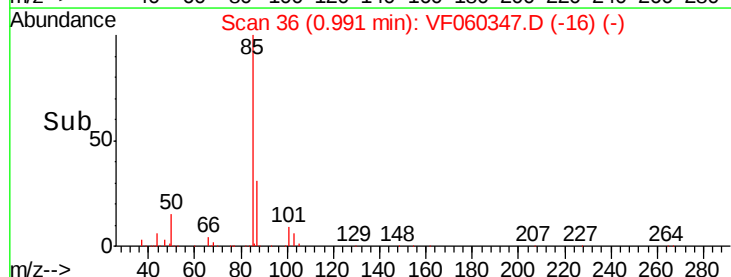
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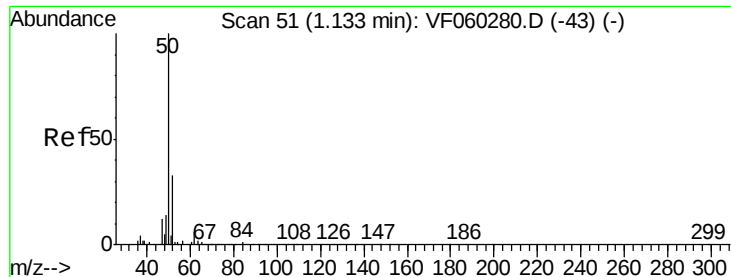
40000

20000

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Time-->





#3

Chloromethane

Concen: 41.410 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 168144

Ion Ratio Lower Upper

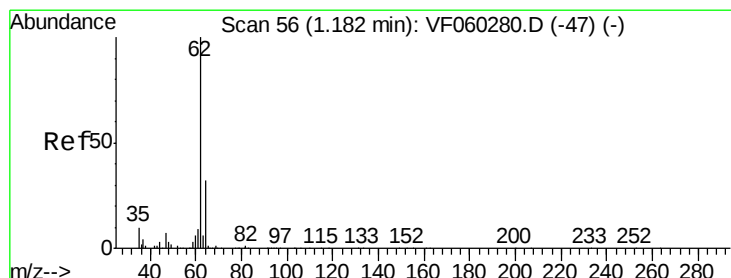
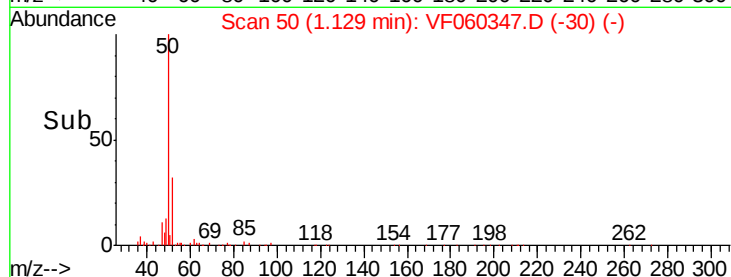
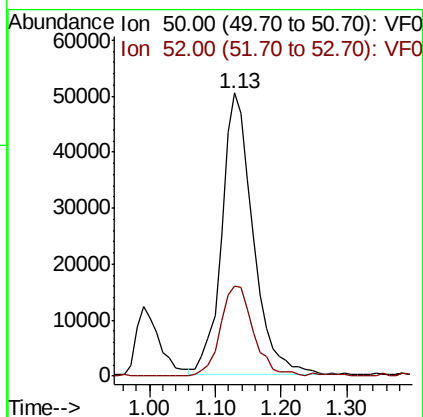
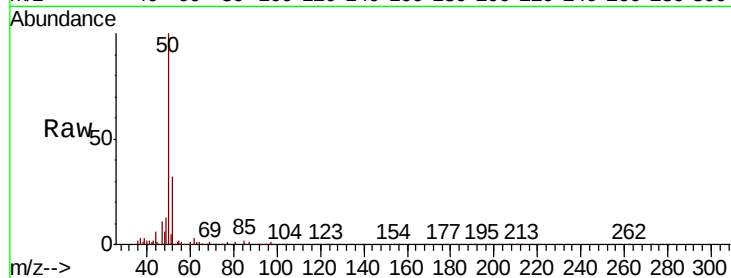
50 100

52 31.9 26.5 39.7

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#4

Vinyl Chloride

Concen: 43.750 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060347.D

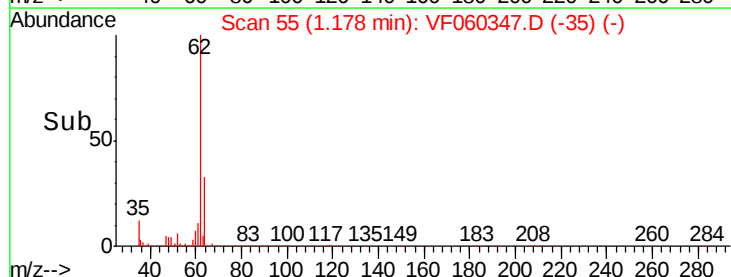
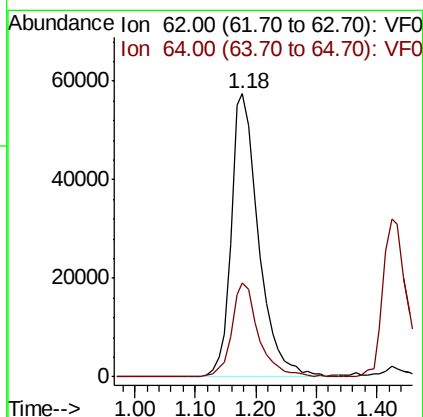
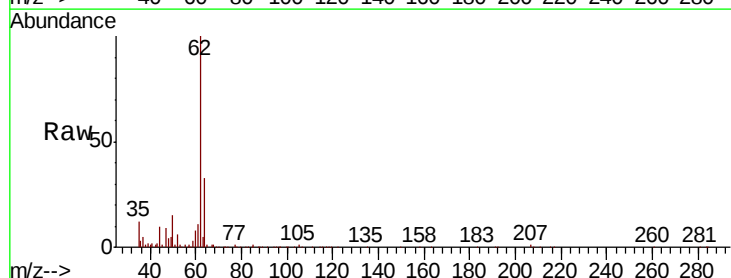
Acq: 26 Sep 2018 12:21

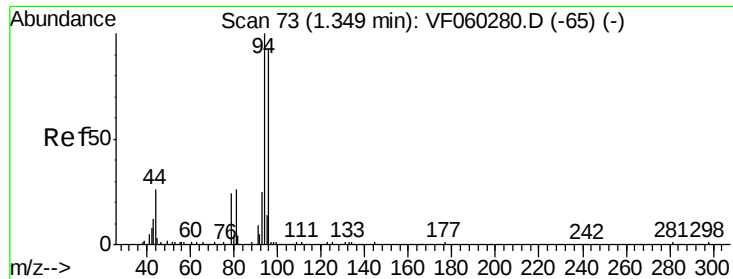
Tgt Ion: 62 Resp: 181045

Ion Ratio Lower Upper

62 100

64 33.0 25.2 37.8





#5

Bromomethane

Concen: 52.135 ug/l

RT: 1.36 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tot Ion: 94 Resp: 120993

Ion Ratio Lower Upper

94 100

96 97.7 73.9 110.9

Instrument :

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ClientSampleId :

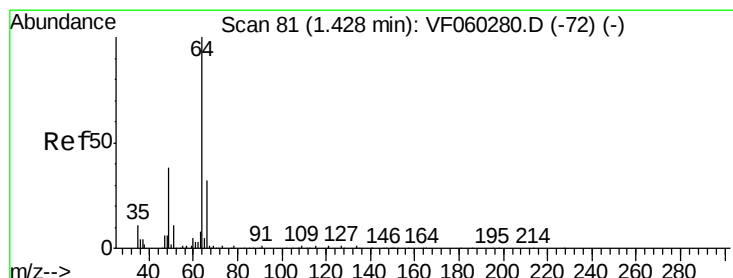
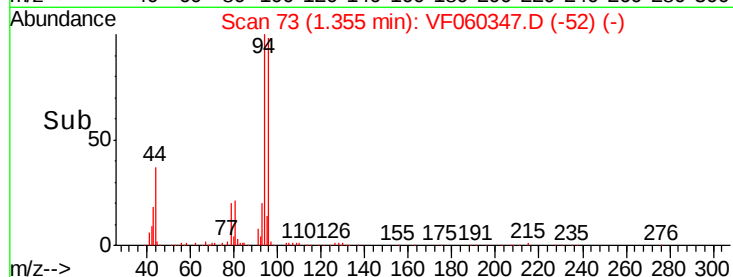
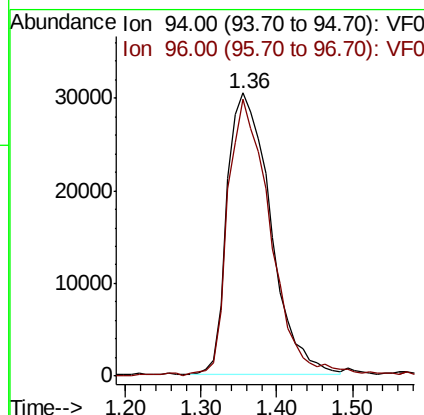
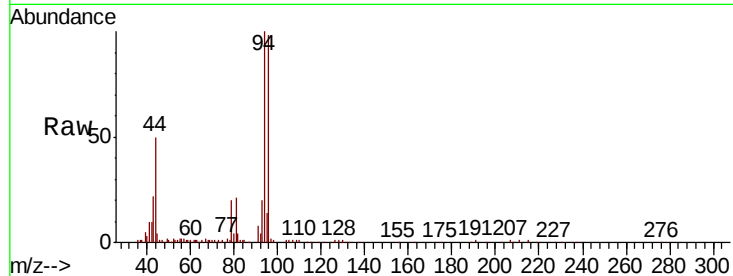
VSTDCCC050

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#6

Chloroethane

Concen: 44.824 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060347.D

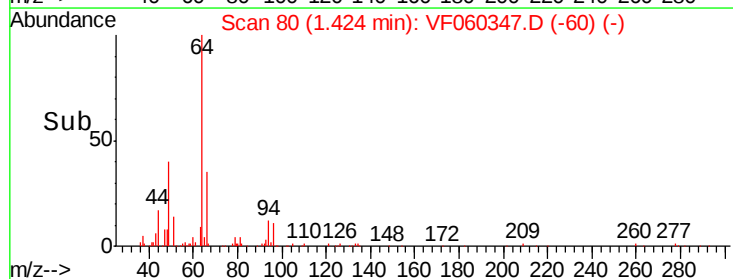
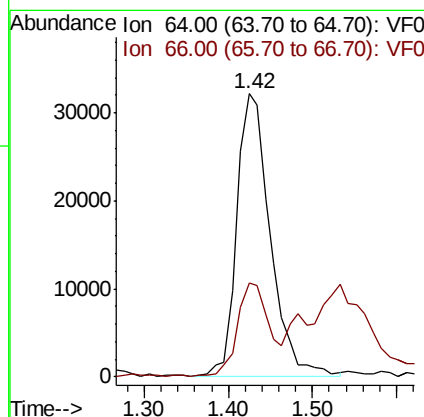
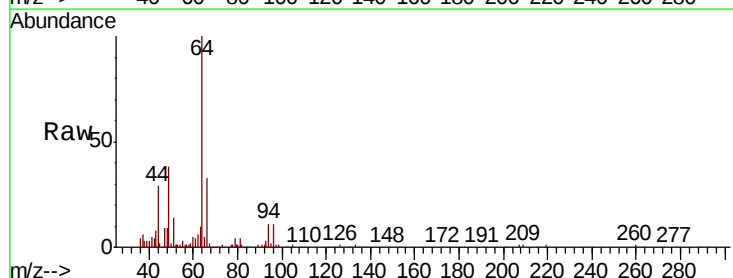
Acq: 26 Sep 2018 12:21

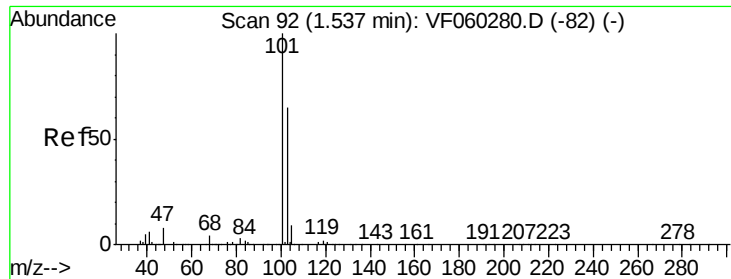
Tgt Ion: 64 Resp: 88340

Ion Ratio Lower Upper

64 100

66 33.3 26.2 39.2





#7

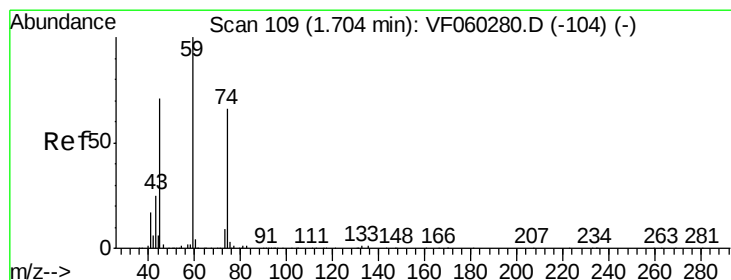
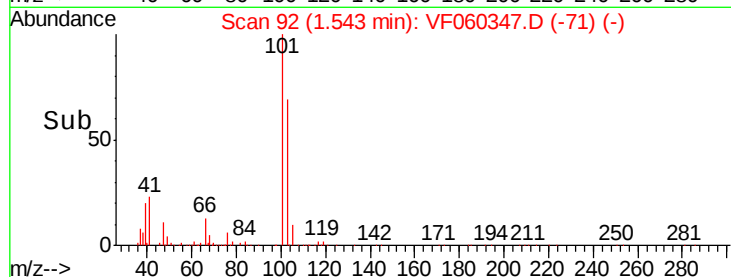
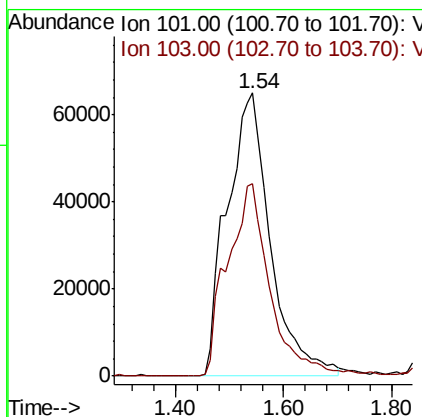
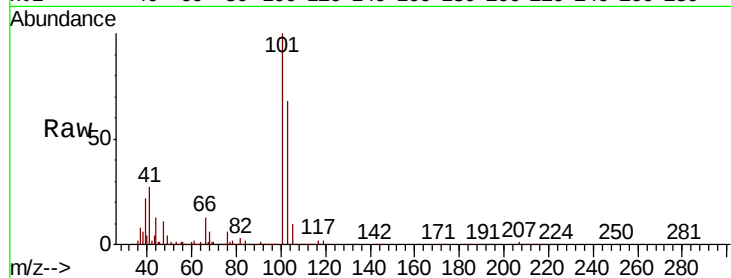
Trichlorofluoromethane
Concen: 46.959 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.01 min
Lab File: VF060347.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.2	52.0	78.0

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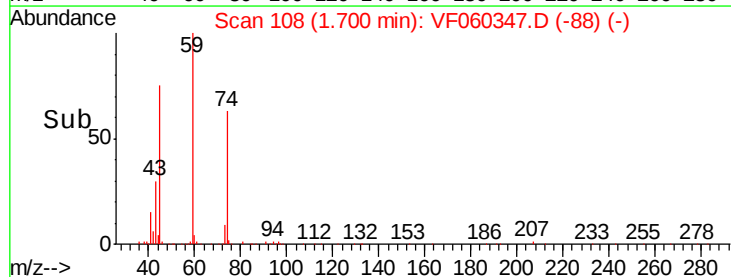
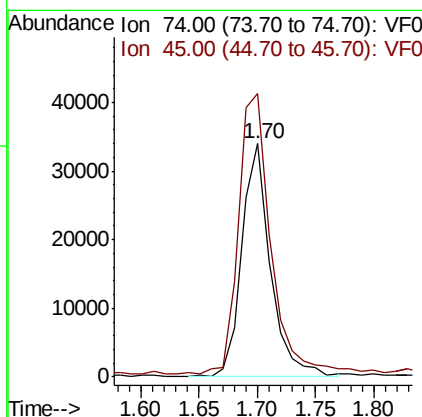
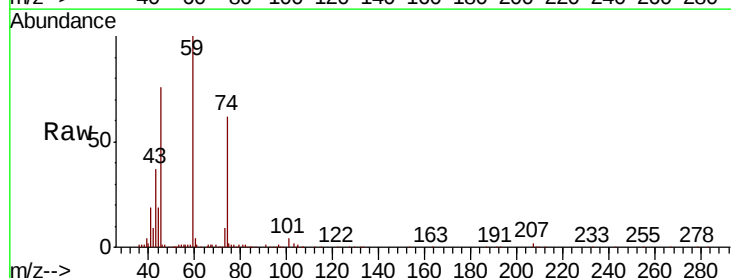
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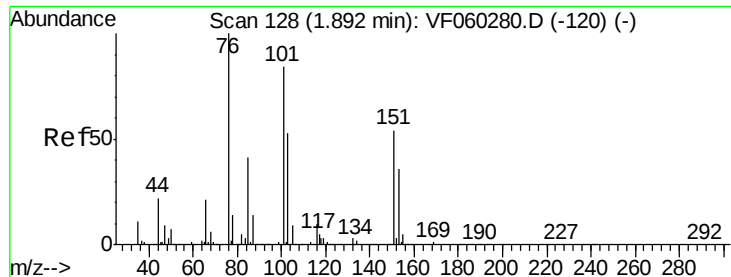


#8

Diethyl Ether
Concen: 45.425 ug/l
RT: 1.70 min Scan# 108
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.3	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.005 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

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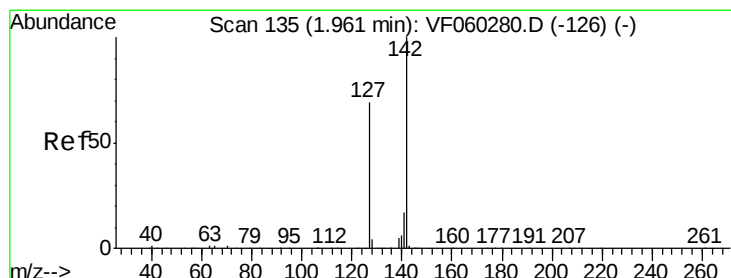
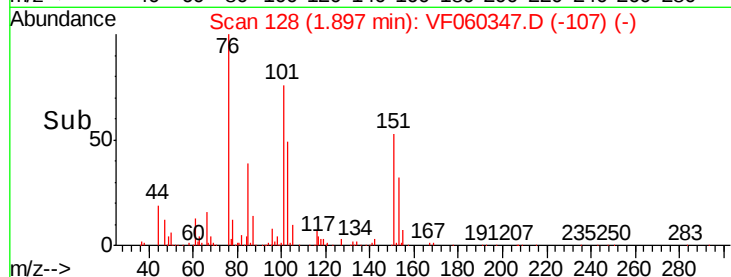
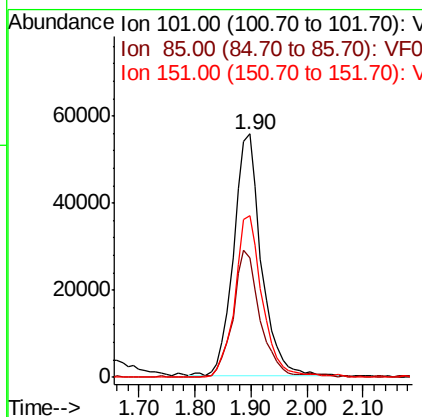
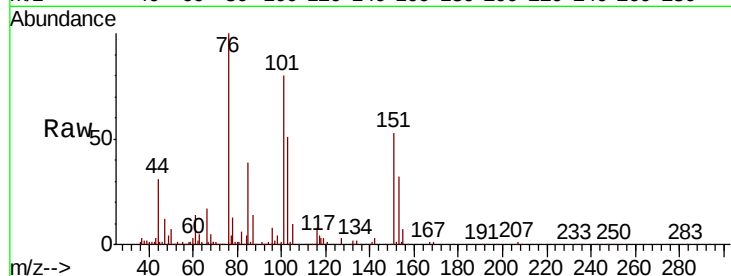
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	188624
Ion Ratio	Lower	Upper	
101	100		
85	49.1	38.7	58.1
151	66.3	50.8	76.2

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#10

Methyl Iodide

Concen: 45.132 ug/l

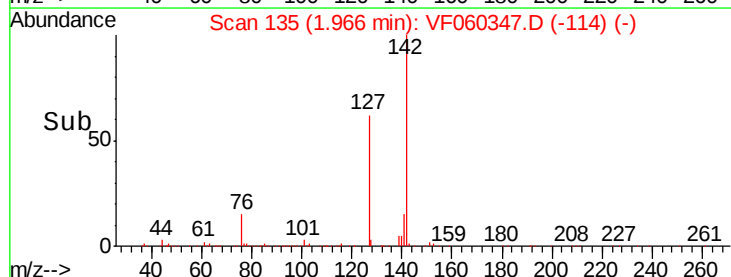
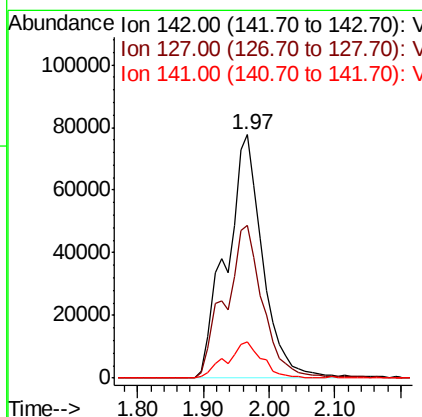
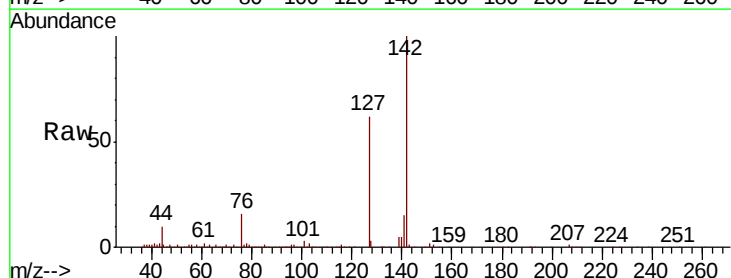
RT: 1.97 min Scan# 135

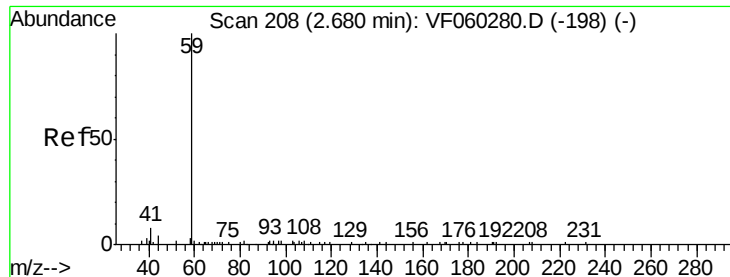
Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion:	142	Resp:	298401
Ion Ratio	Lower	Upper	
142	100		
127	62.5	55.4	83.0
141	14.9	13.3	19.9





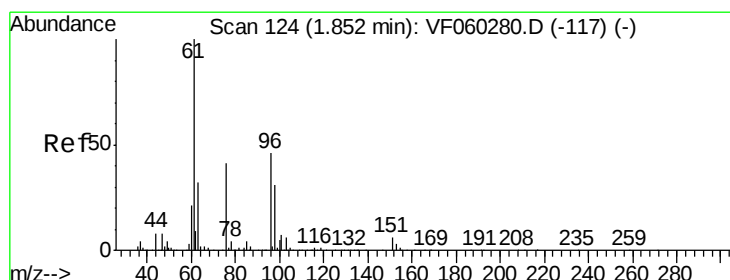
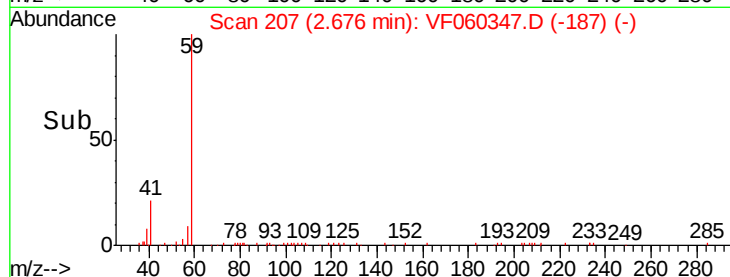
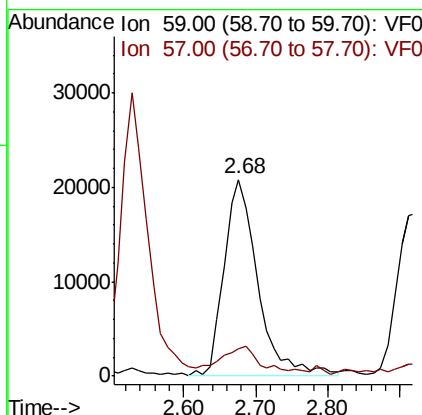
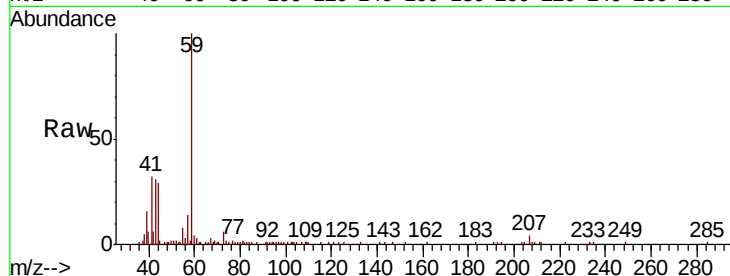
#11
Tert butyl alcohol
Concen: 308.087 ug/l
RT: 2.68 min Scan# 207
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	68117
Ion Ratio	100	Lower	Upper
57	14.2	12.4	18.6

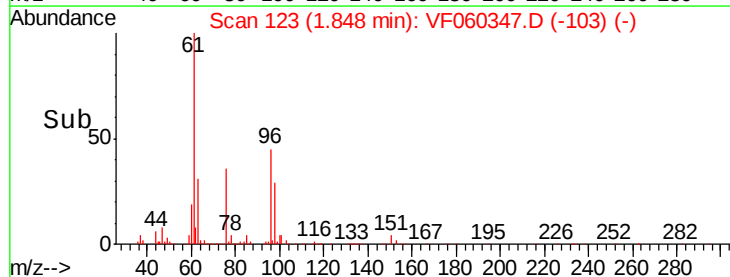
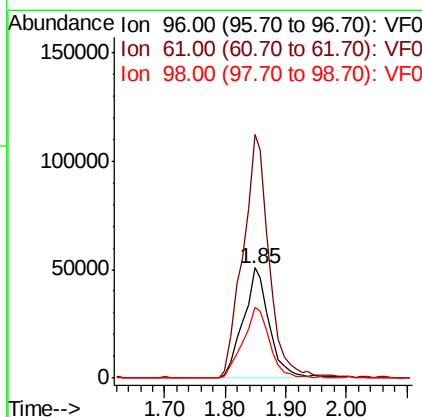
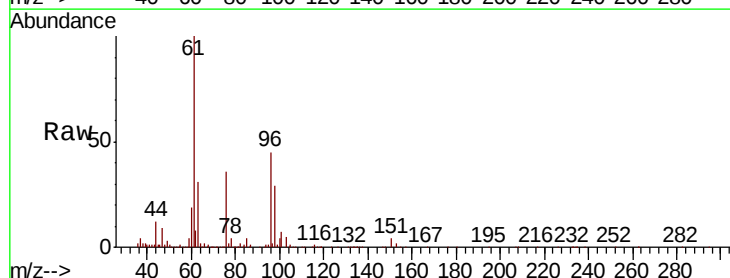
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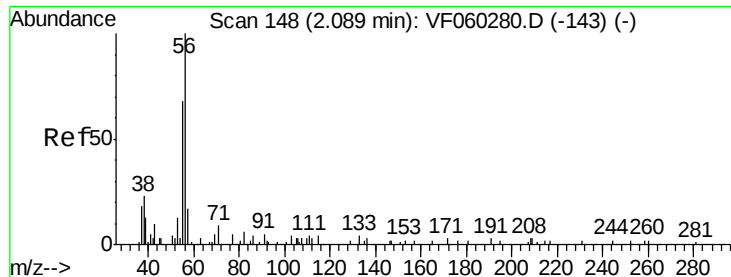
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#12
1,1-Dichloroethene
Concen: 44.496 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	96	Resp	150878
Ion Ratio	100	Lower	Upper
61	220.4	172.2	258.2
98	64.6	54.1	81.1





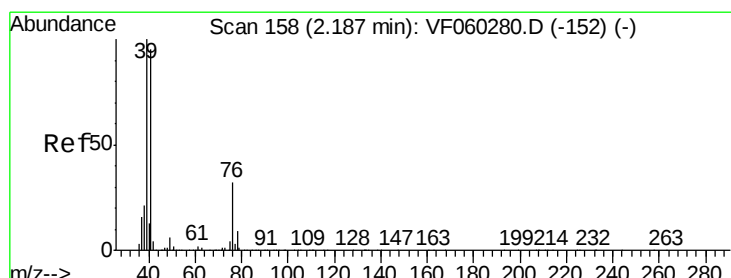
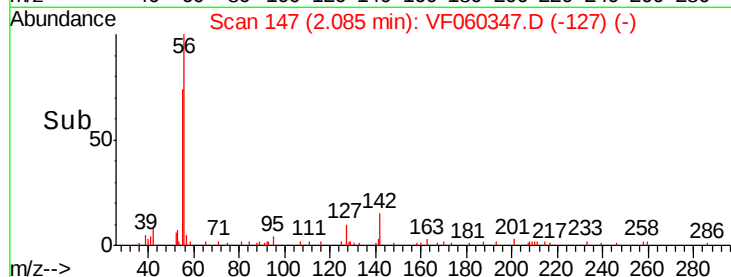
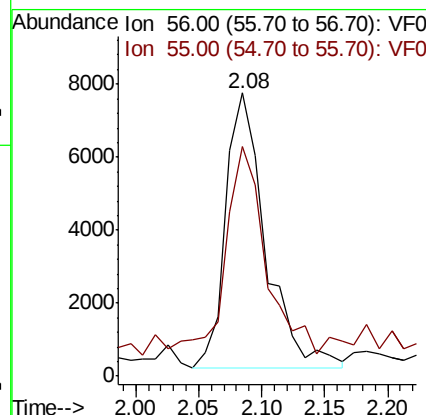
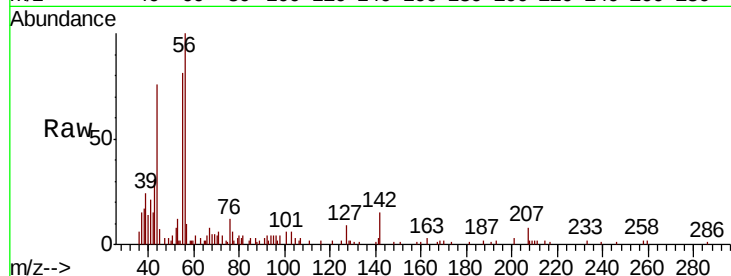
#13
Acrolein
Concen: 220.634 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	81.0	69.9	104.9	

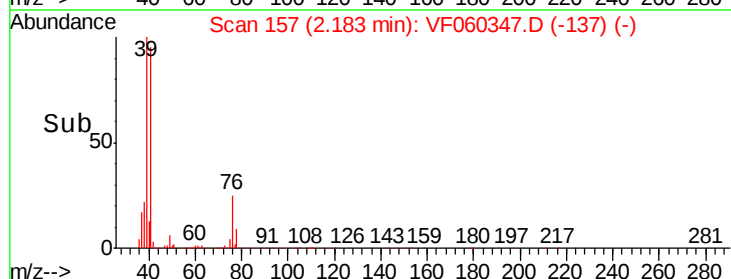
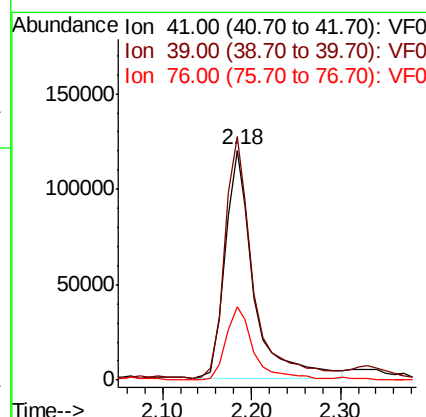
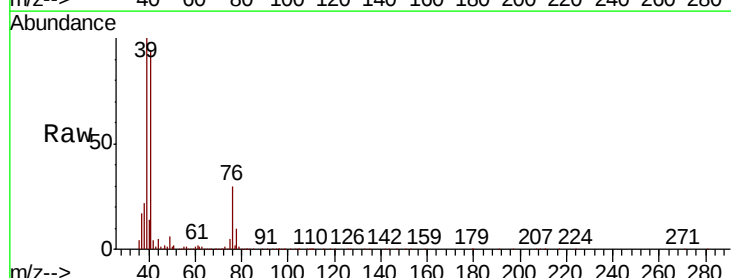
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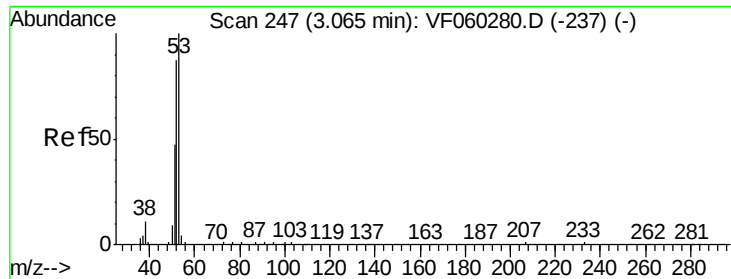
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#14
Allyl chloride
Concen: 45.247 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	105.8	84.8	127.2	
76	31.6	27.4	41.2	





#15

Acrylonitrile

Concen: 239.256 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

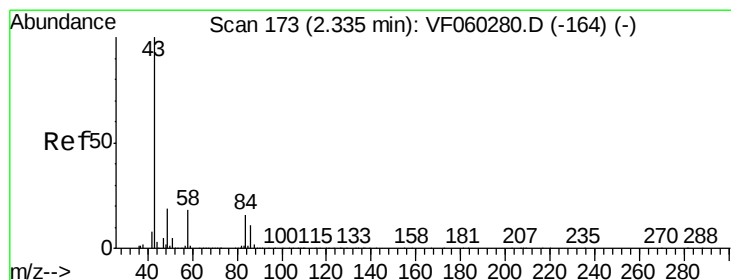
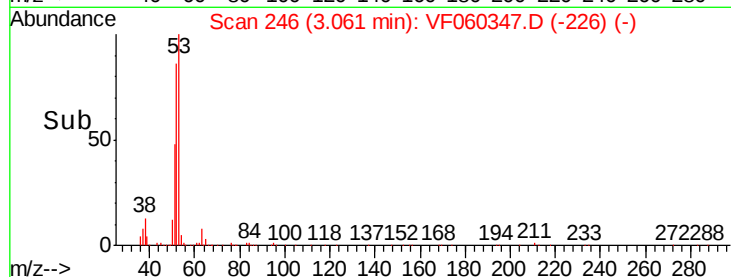
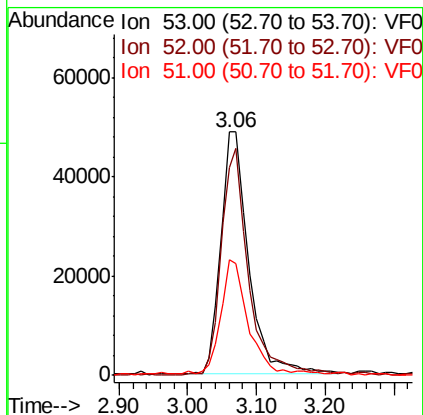
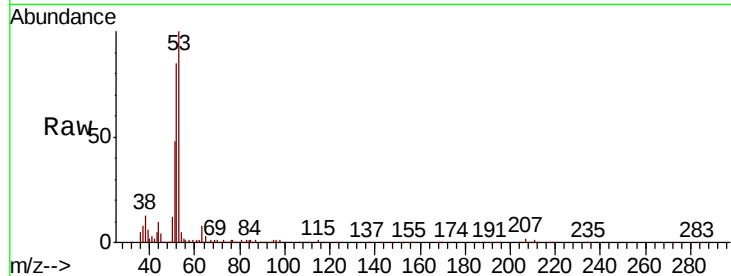
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	135577
Ion	Ratio	Lower	Upper
53	100		
52	85.3	69.5	104.3
51	47.7	38.1	57.1

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#16

Acetone

Concen: 294.907 ug/l

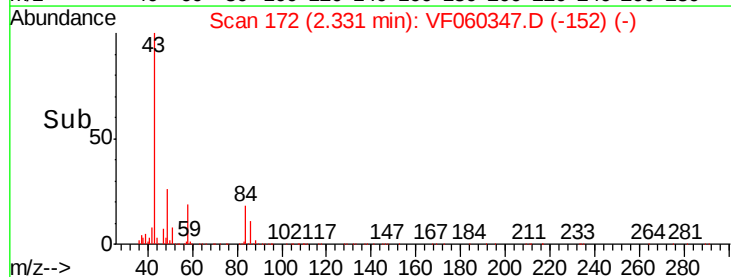
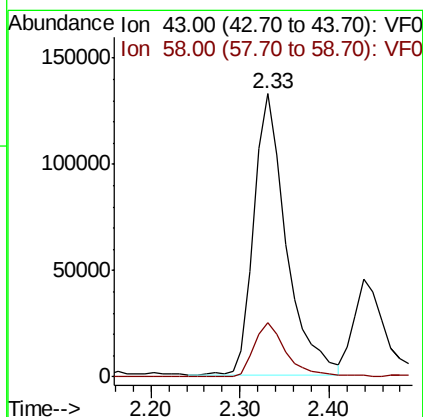
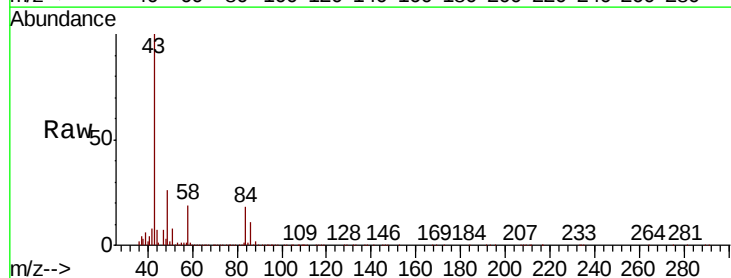
RT: 2.33 min Scan# 172

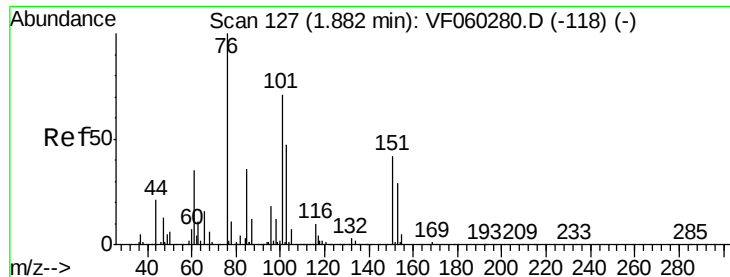
Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion:	43	Resp:	333223
Ion	Ratio	Lower	Upper
43	100		
58	19.1	14.5	21.7





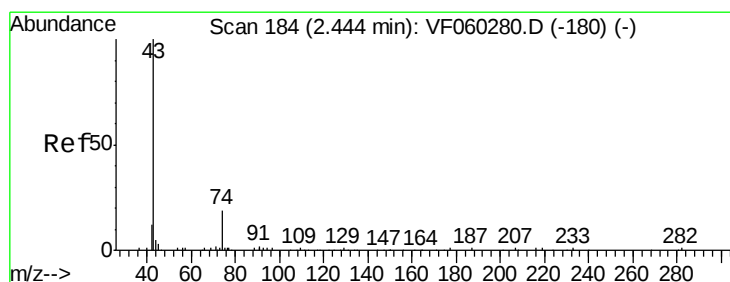
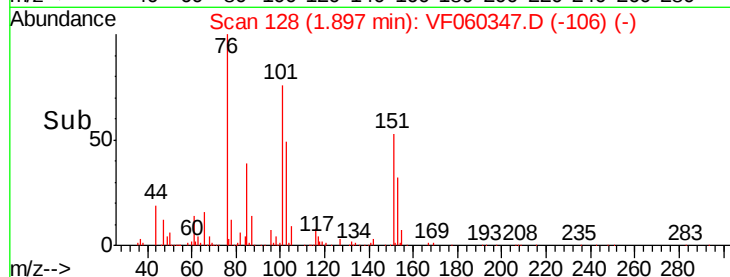
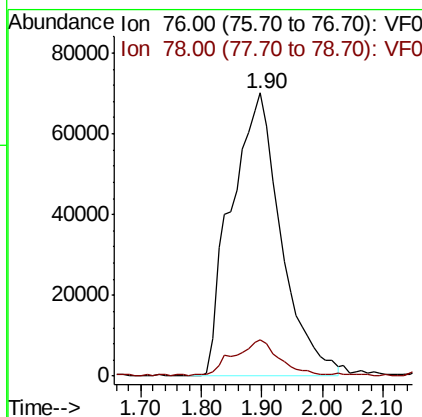
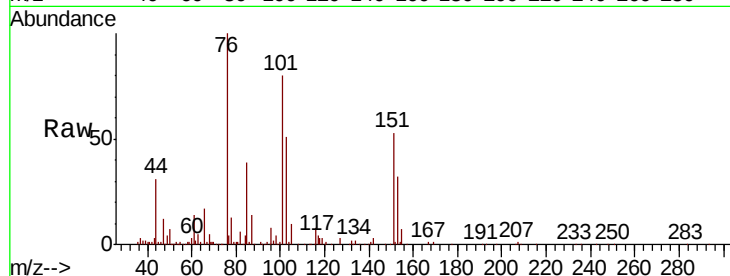
#17
Carbon Disulfide
Concen: 46.655 ug/l
RT: 1.90 min Scan# 128
Delta R.T. 0.02 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 401666
Ion Ratio Lower Upper
76 100
78 12.7 9.4 14.0

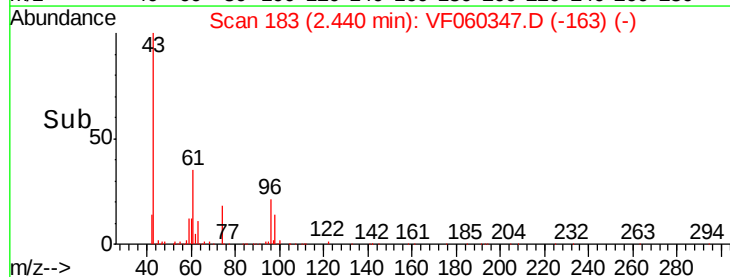
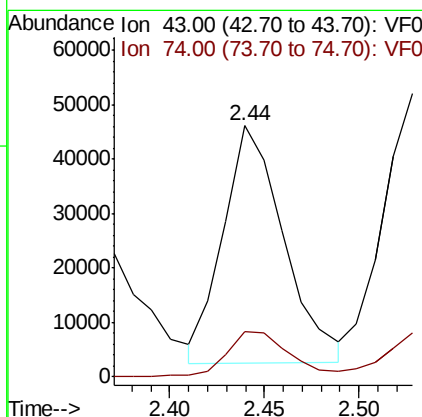
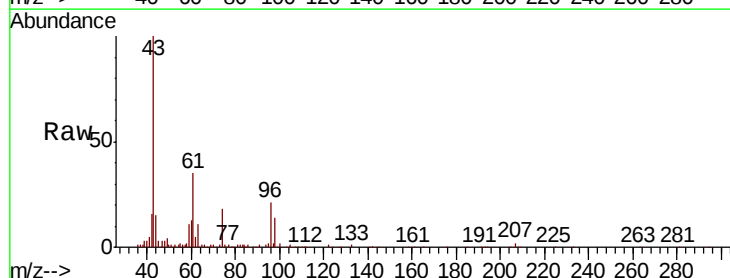
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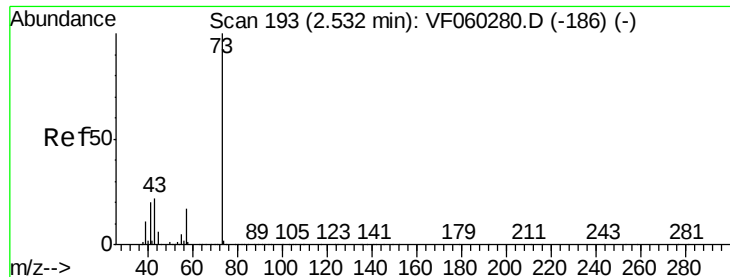
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#18
Methyl Acetate
Concen: 51.350 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion: 43 Resp: 96659
Ion Ratio Lower Upper
43 100
74 18.2 12.7 19.1





#19

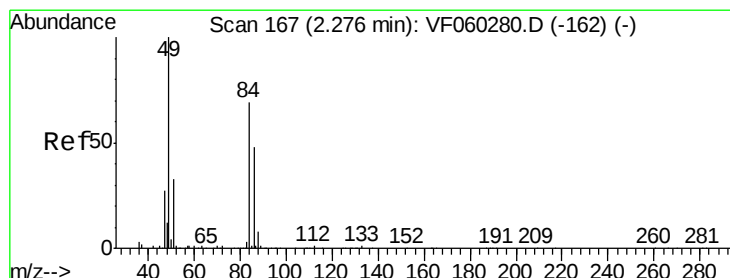
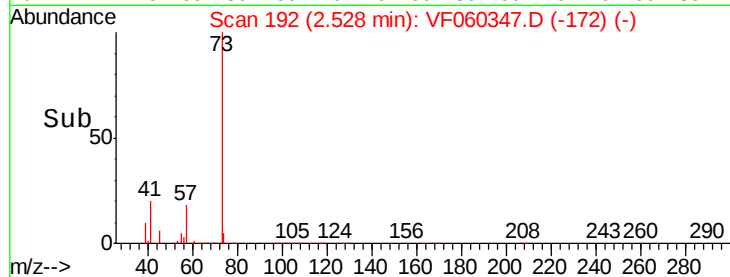
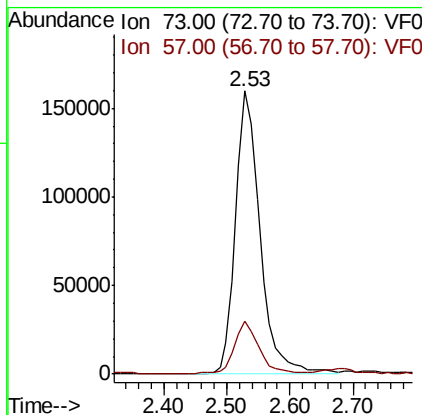
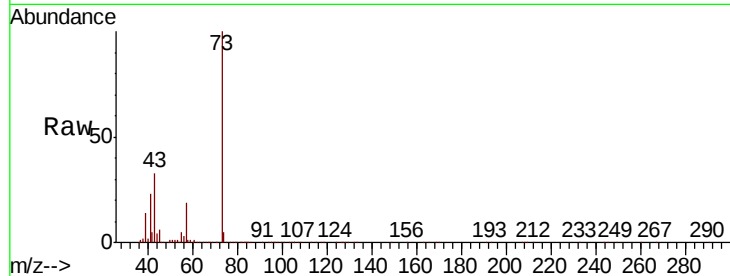
Methyl tert-butyl Ether
 Concen: 50.424 ug/l
 RT: 2.53 min Scan# 192
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.8	14.5	21.7

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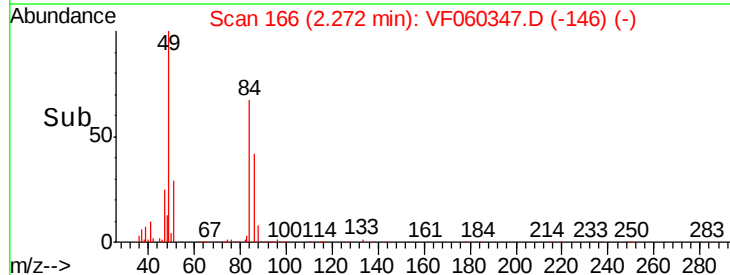
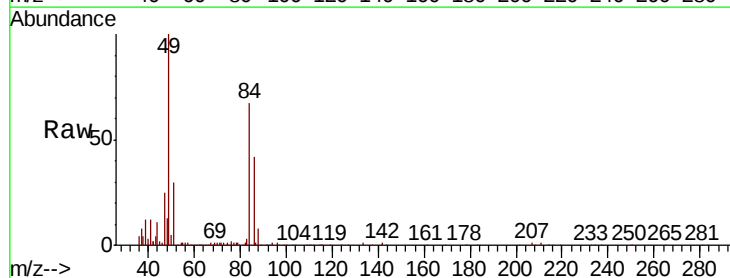
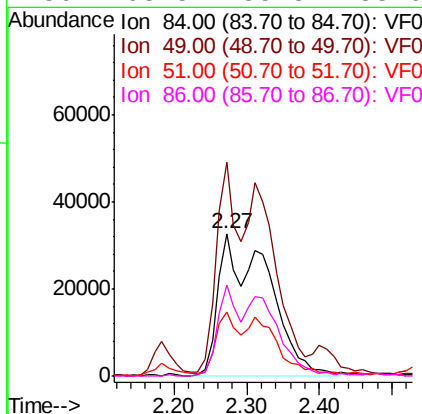
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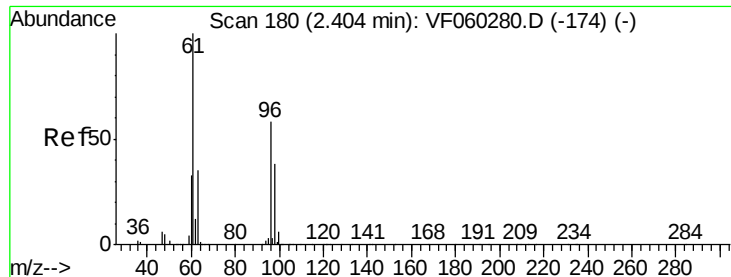


#20

Methylene Chloride
 Concen: 51.782 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.7	118.3	177.5
51	44.7	38.7	58.1
86	63.5	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 44.101 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

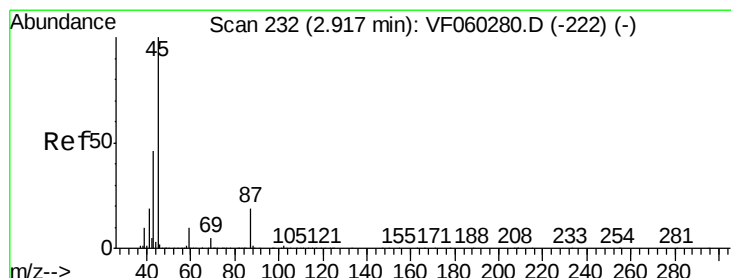
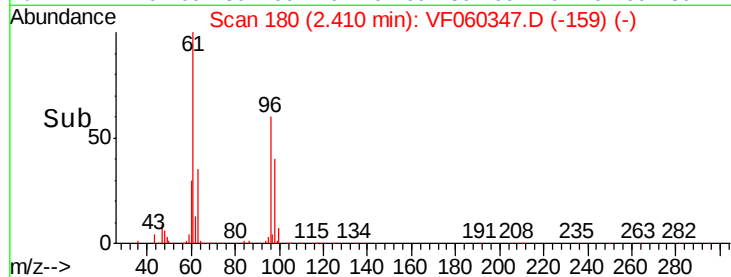
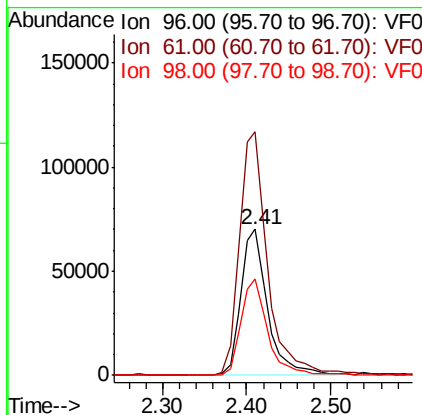
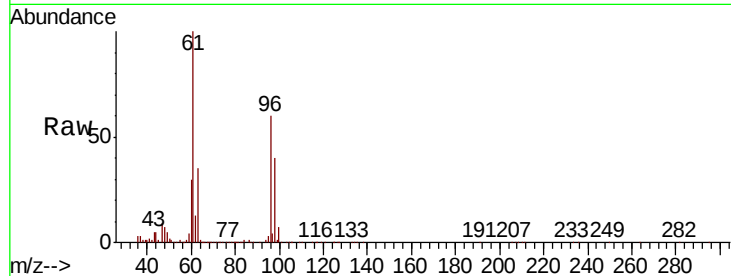
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	154448
Ion Ratio	Lower	Upper	
96	100		
61	166.8	136.4	204.6
98	66.2	51.8	77.6

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#22

Diisopropyl ether

Concen: 48.383 ug/l

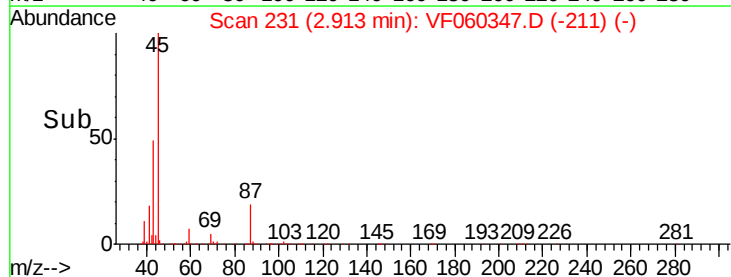
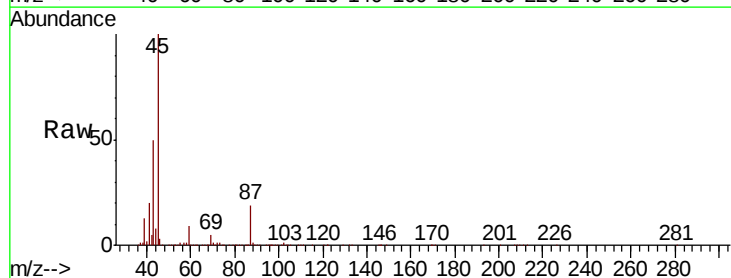
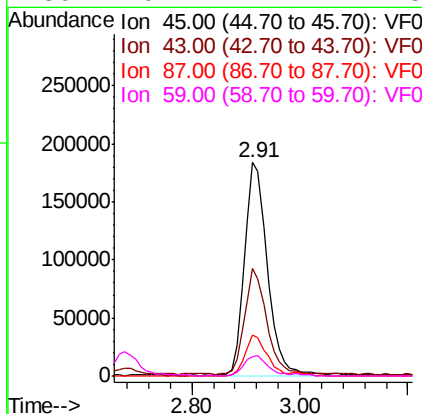
RT: 2.91 min Scan# 231

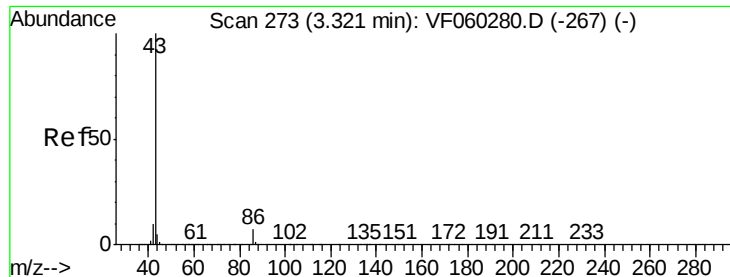
Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion:	45	Resp:	540157
Ion Ratio	Lower	Upper	
45	100		
43	50.1	38.2	57.2
87	19.2	15.5	23.3
59	9.2	7.7	11.5





#23

Vinyl Acetate

Concen: 252.522 ug/l

RT: 3.33 min Scan# 273

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1107235

Ion Ratio Lower Upper

43 100

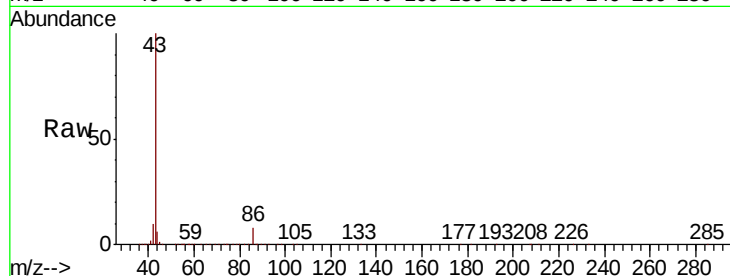
86 8.3 5.9 8.9

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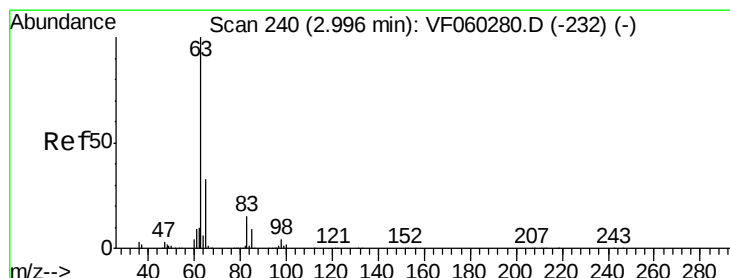
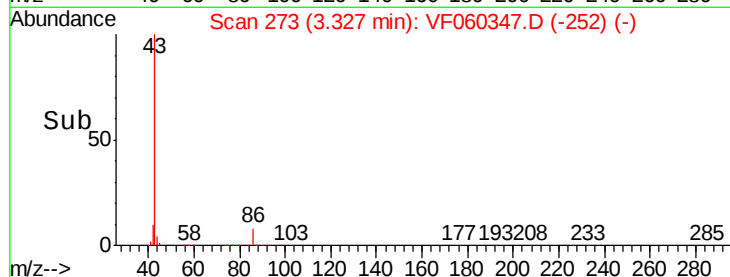
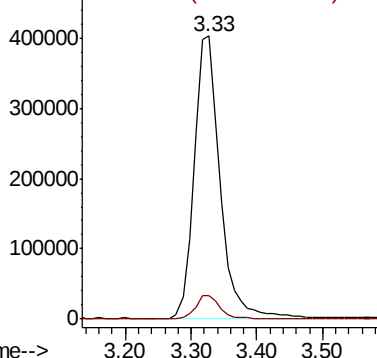
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 46.312 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

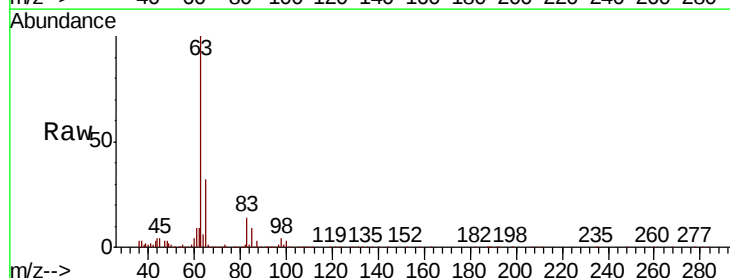
Tgt Ion: 63 Resp: 335316

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

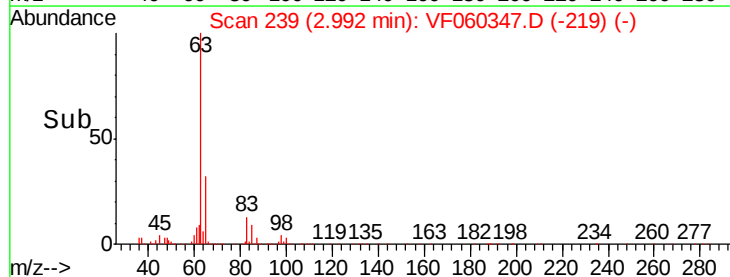
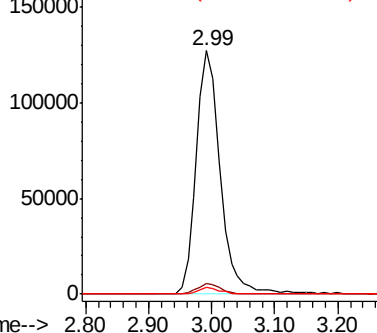
100 2.8 1.1 3.3

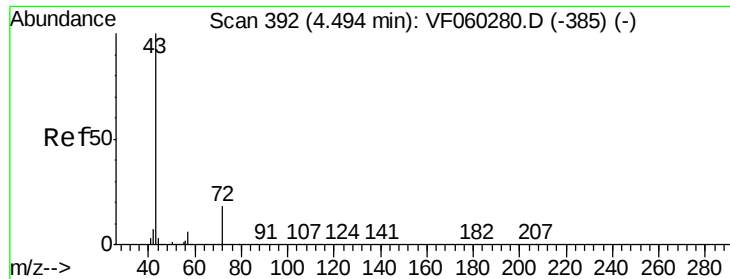


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 282.610 ug/l

RT: 4.49 min Scan# 391

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 429813

Ion Ratio Lower Upper

43 100

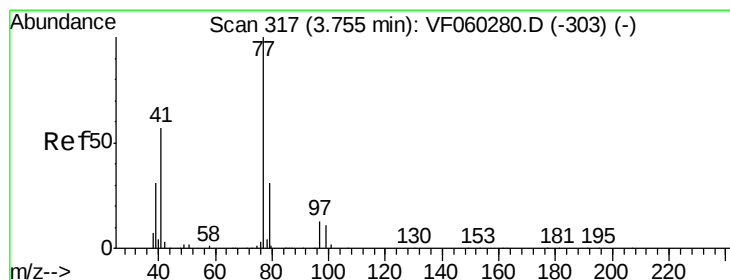
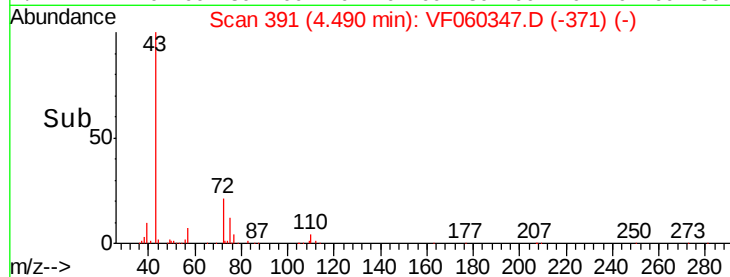
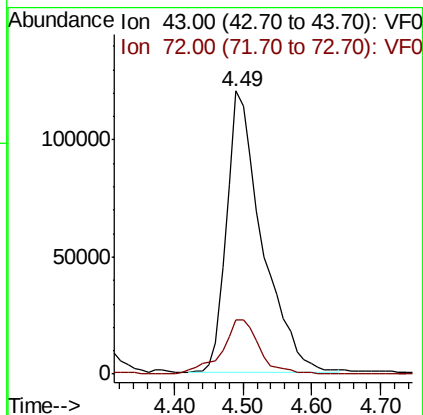
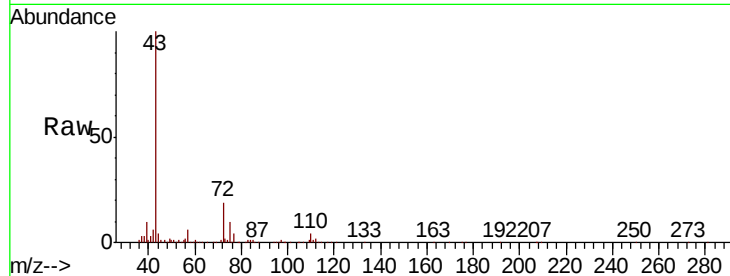
72 19.3 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 45.850 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.00 min

Lab File: VF060347.D

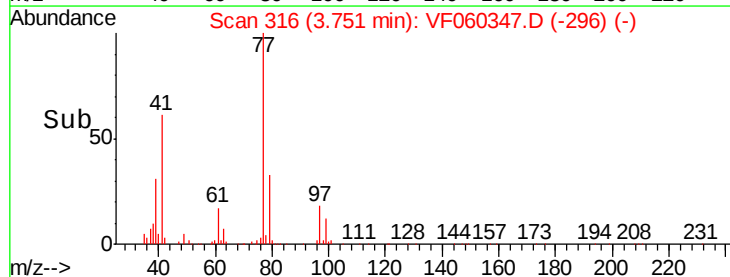
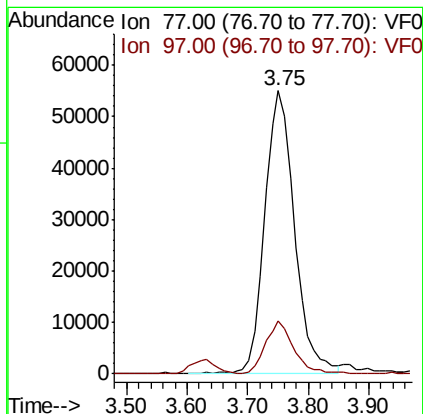
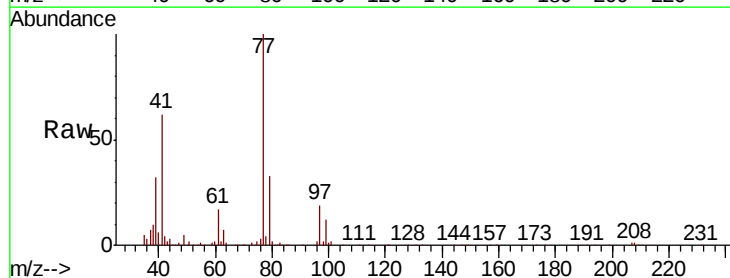
Acq: 26 Sep 2018 12:21

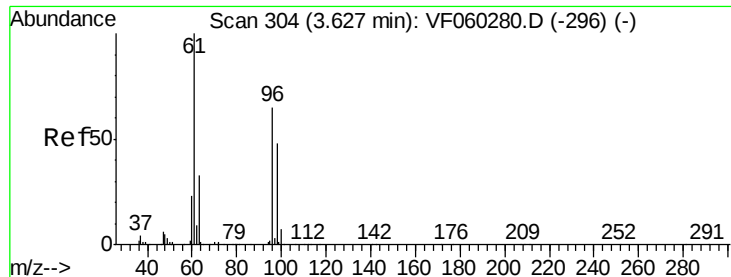
Tgt Ion: 77 Resp: 189414

Ion Ratio Lower Upper

77 100

97 18.6 9.3 27.9





#27

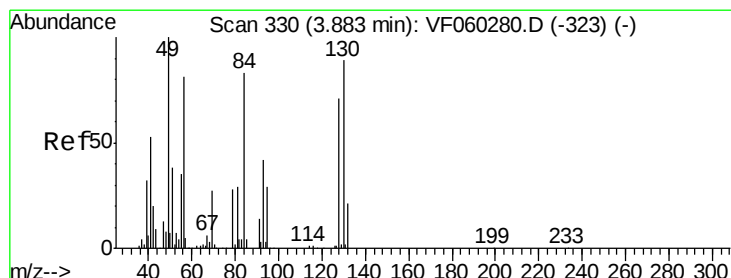
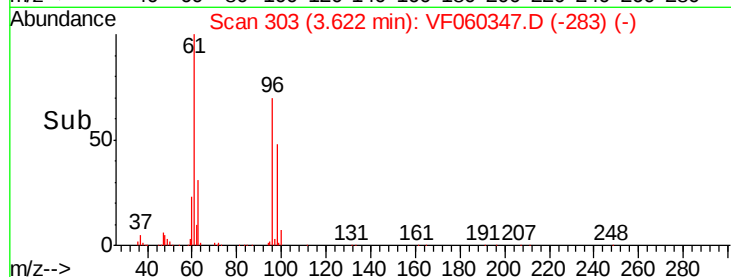
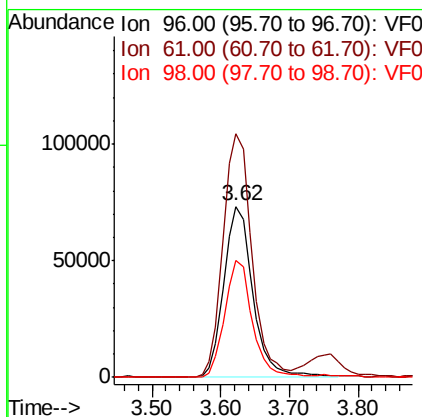
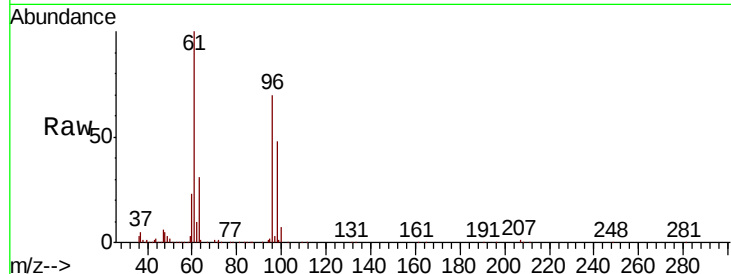
cis-1,2-Dichloroethene
Concen: 46.435 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	213642		
61	142.4	0.0	304.8	
98	68.2	0.0	146.4	

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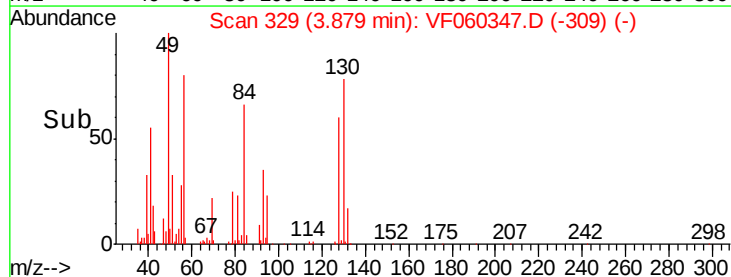
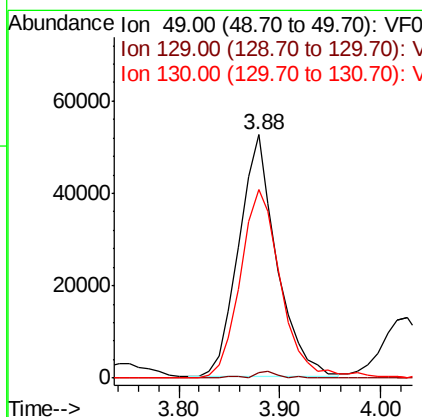
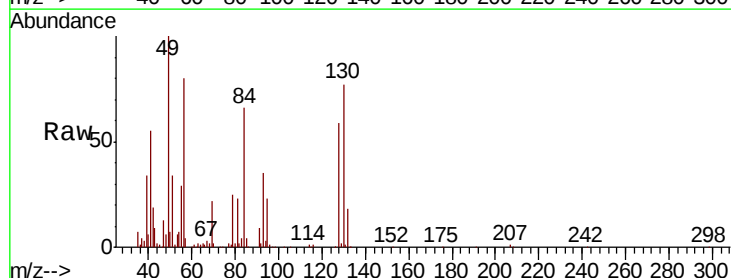
apatel
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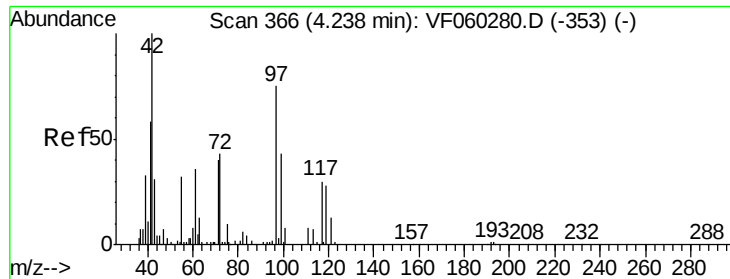


#28

Bromochloromethane
Concen: 48.568 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	136909		
129	2.2	0.0	4.2	
130	77.4	70.3	105.5	





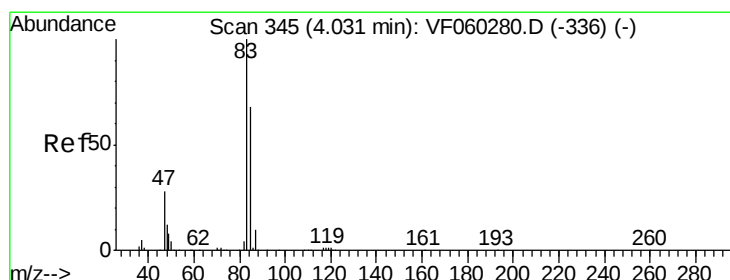
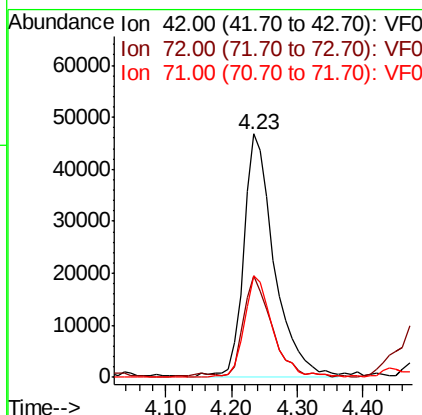
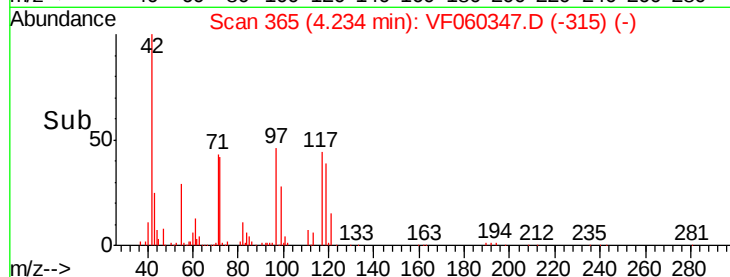
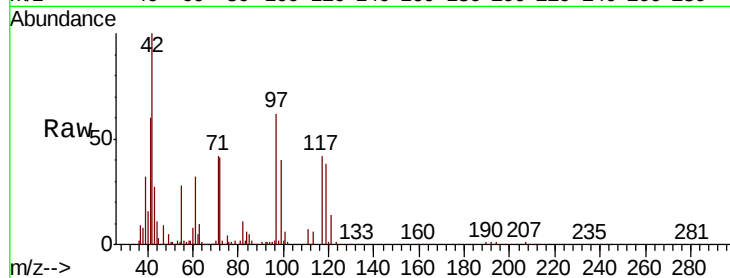
#29
Tetrahydrofuran
Concen: 270.249 ug/l
RT: 4.23 min Scan# 365
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	150515		
72	39.0		32.6	49.0
71	39.3		32.7	49.1

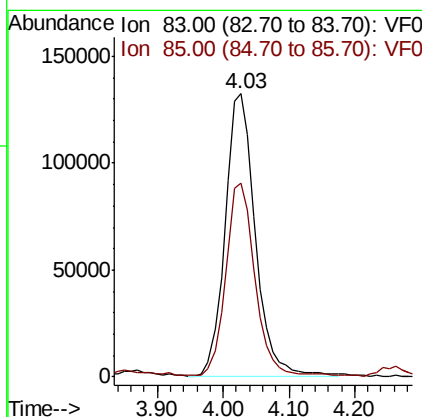
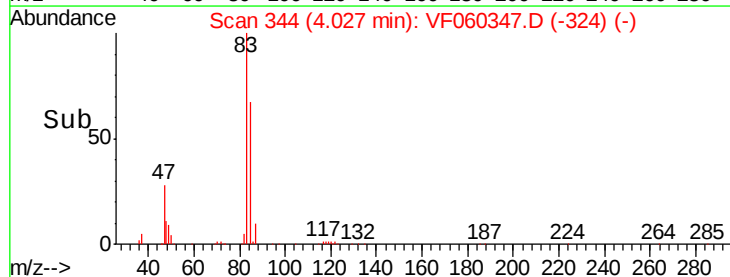
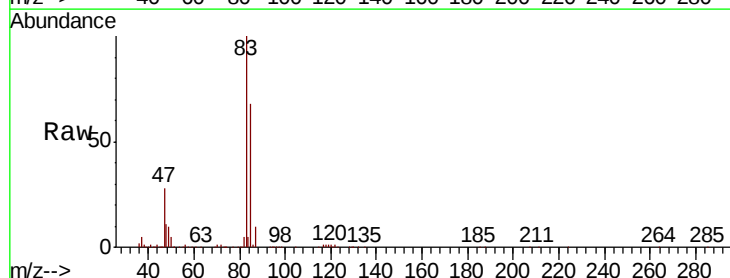
Manual Integrations
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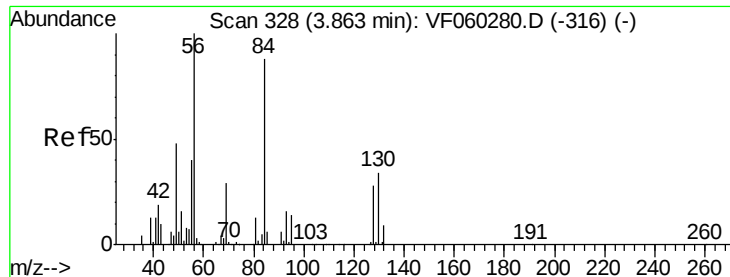
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#30
Chloroform
Concen: 48.184 ug/l
RT: 4.03 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	420943		
85	68.4		54.9	82.3





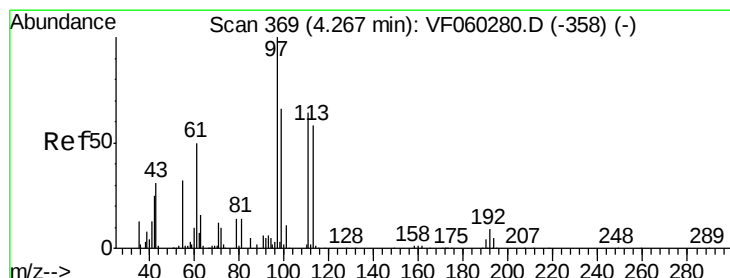
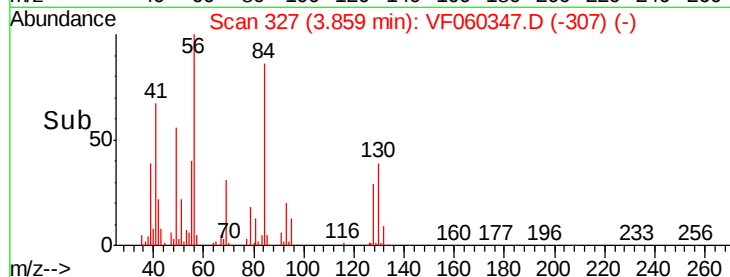
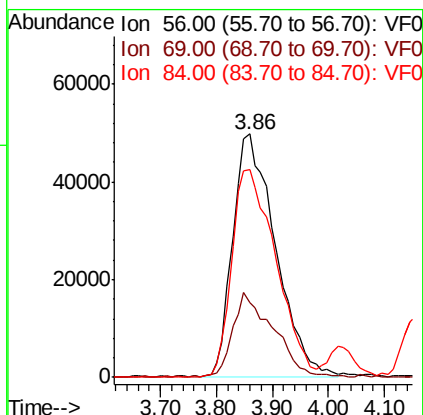
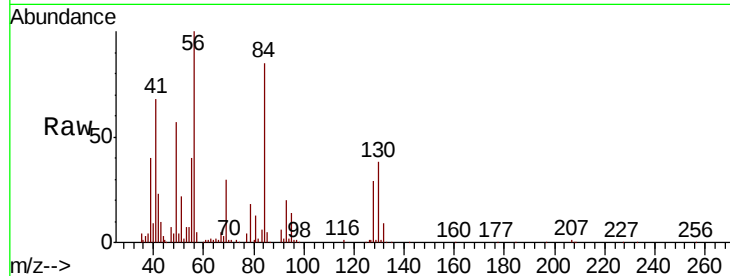
#31
Cyclohexane
Concen: 42.760 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.8	35.6
84	85.2	70.2	105.4

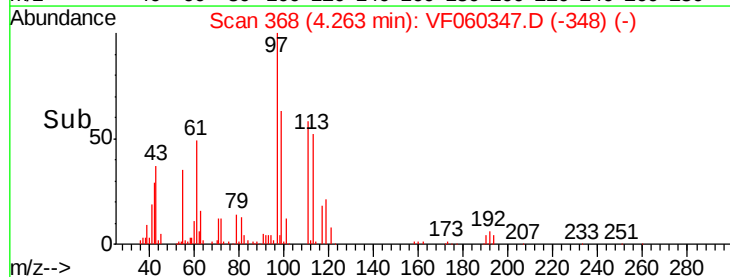
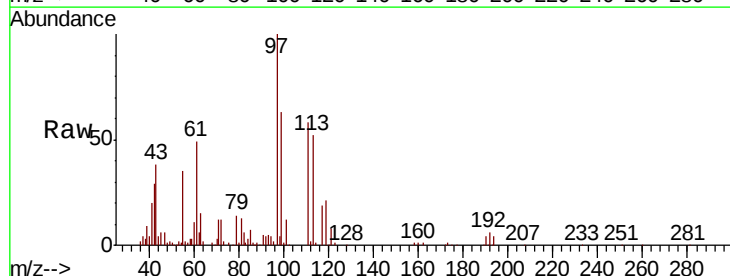
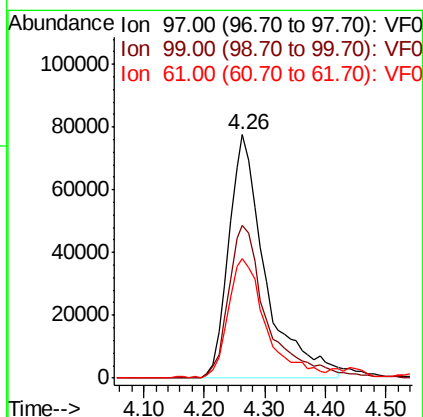
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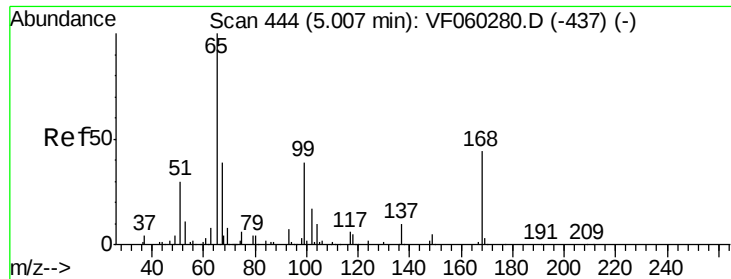
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#32
1,1,1-Trichloroethane
Concen: 47.522 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	53.0	79.4
61	49.0	40.6	61.0





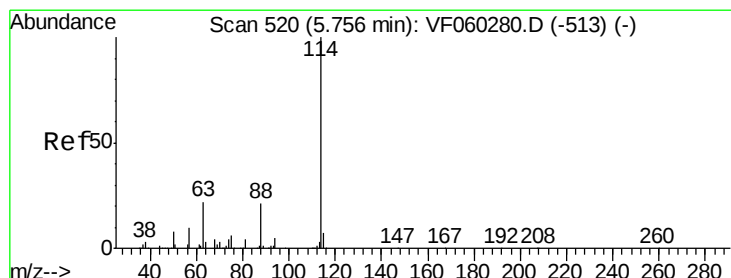
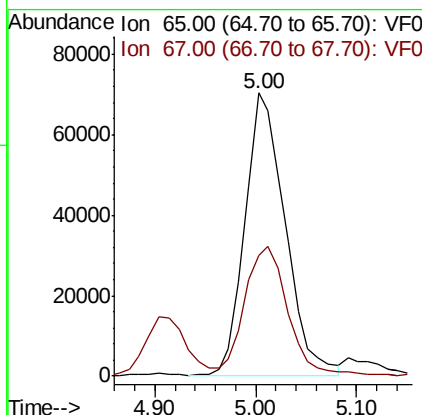
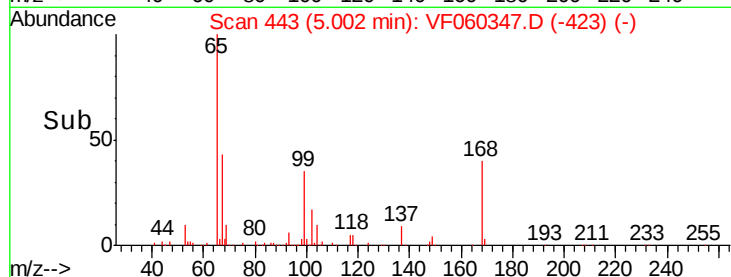
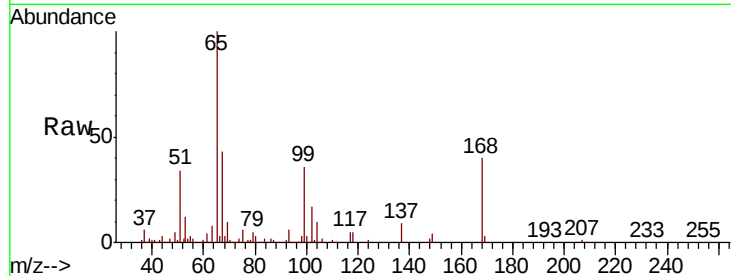
#33
 1,2-Dichloroethane-d4
 Concen: 48.493 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	42.9	0.0	94.4

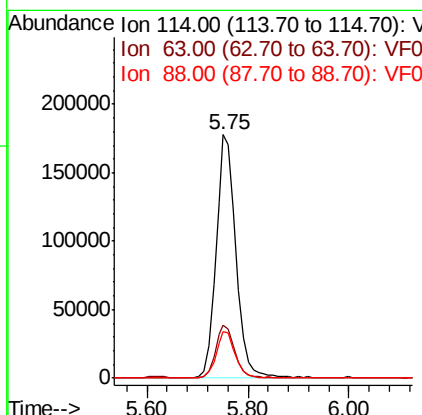
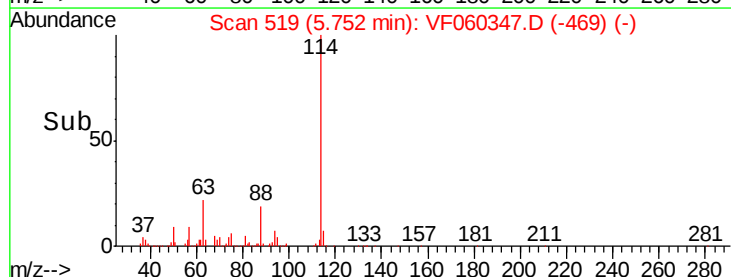
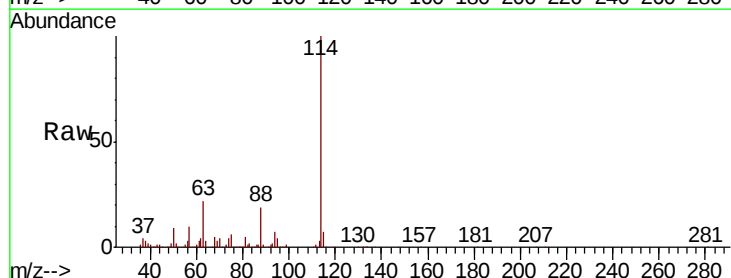
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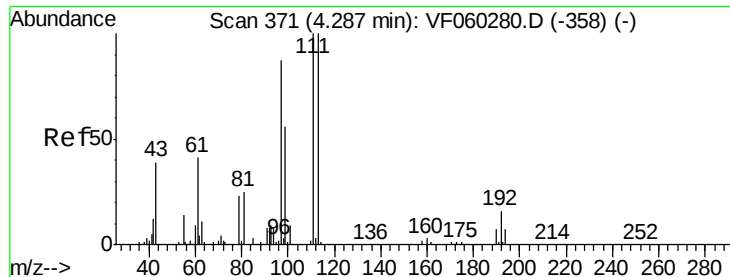
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.8
88	19.0	0.0	41.2





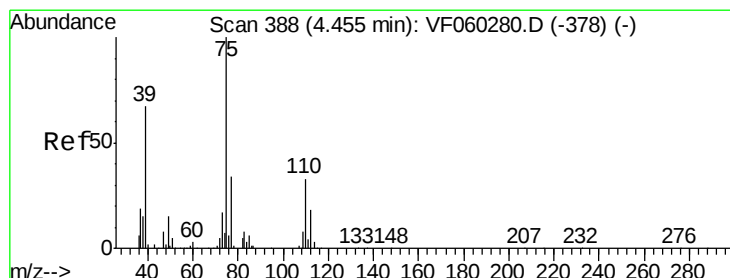
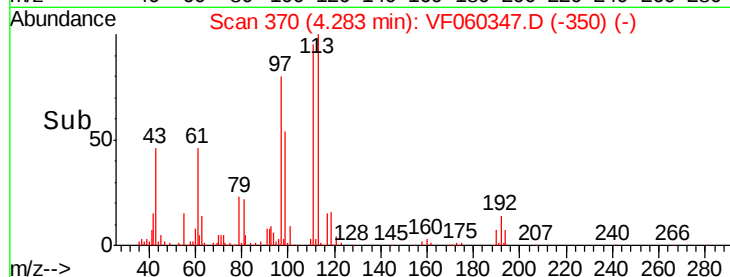
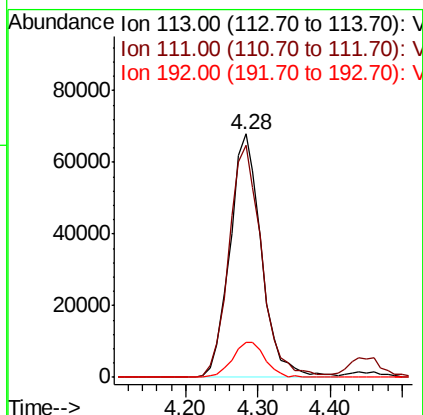
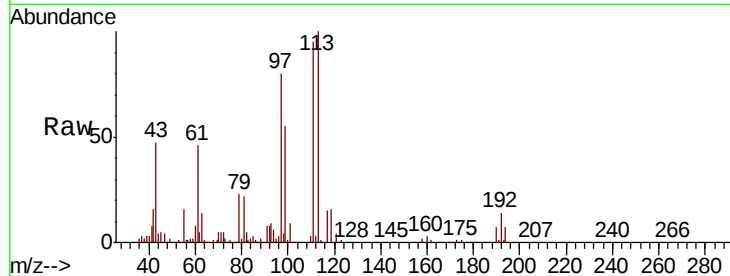
#35
 Dibromofluoromethane
 Concen: 47.553 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	207591		
111	95.4		79.6	119.4
192	14.2		13.0	19.6

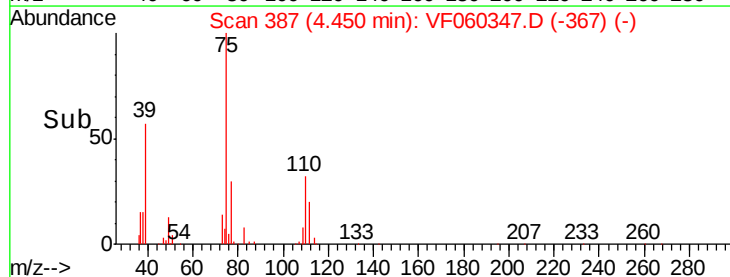
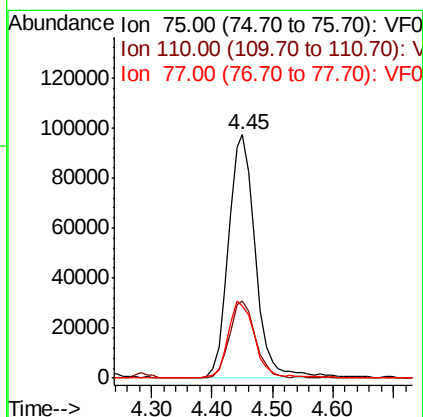
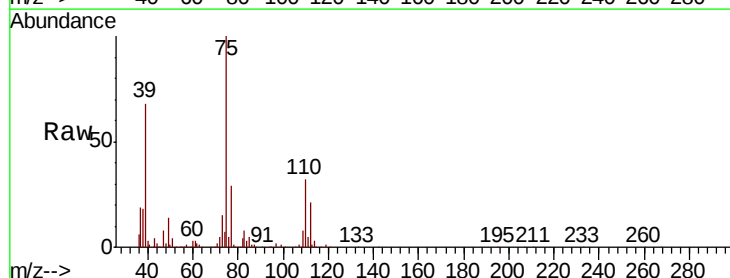
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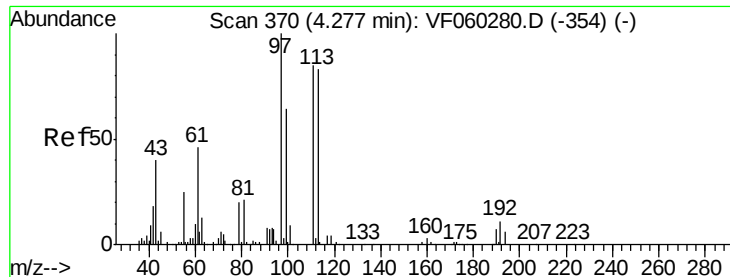
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#36
 1,1-Dichloropropene
 Concen: 49.281 ug/l
 RT: 4.45 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	301029		
110	31.5		16.4	49.2
77	29.4		27.3	40.9





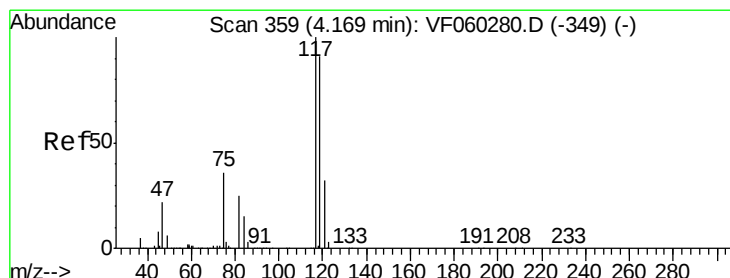
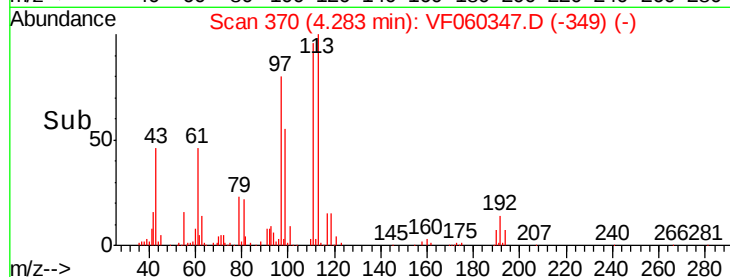
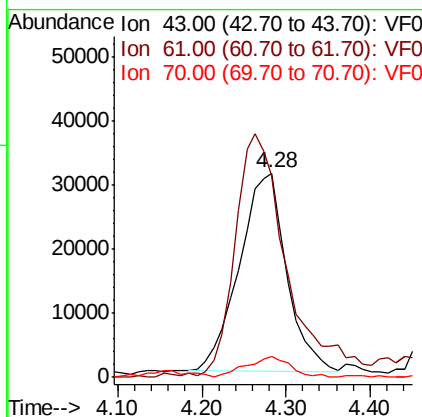
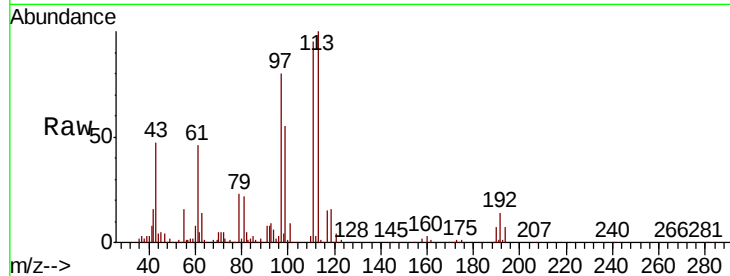
#37
Ethyl Acetate
Concen: 47.345 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	98.4	10.5
Lower		91.1	6.9
Upper		136.7	10.3

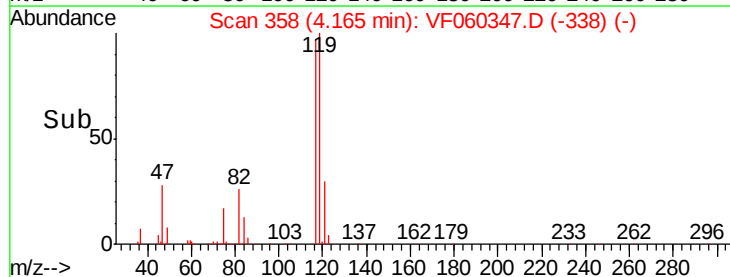
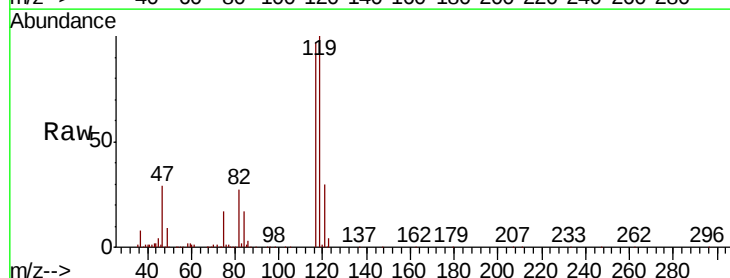
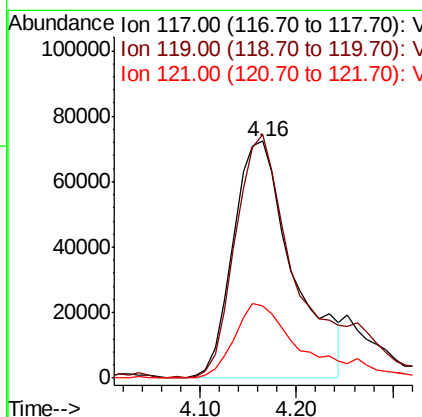
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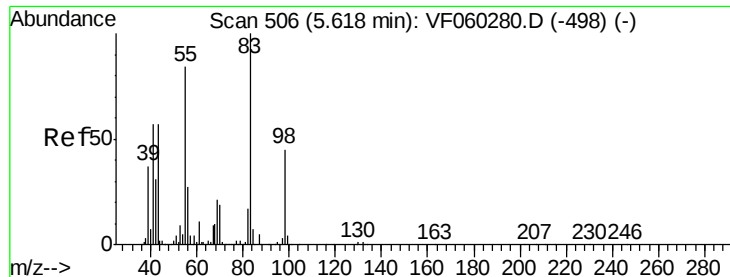
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#38
Carbon Tetrachloride
Concen: 47.455 ug/l m
RT: 4.16 min Scan# 358
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	102.9	30.6
Lower		73.0	25.4
Upper		109.6	38.2





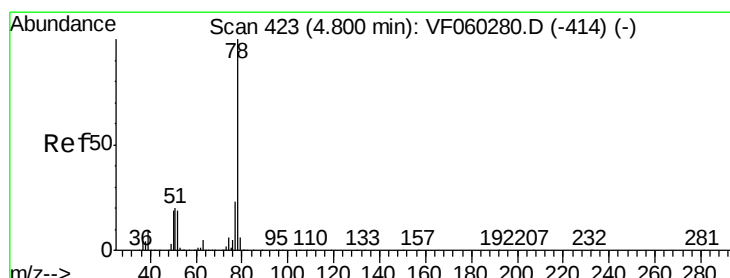
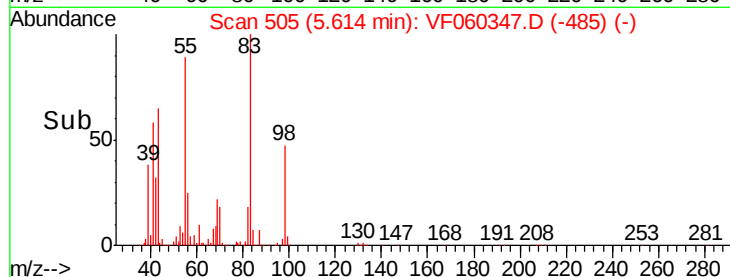
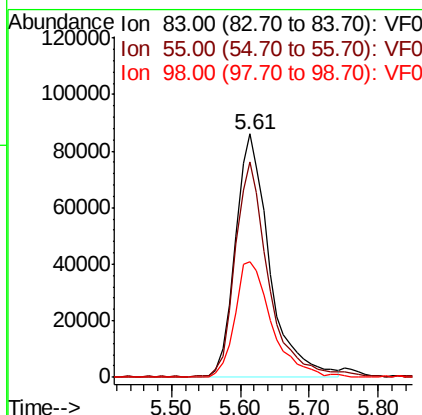
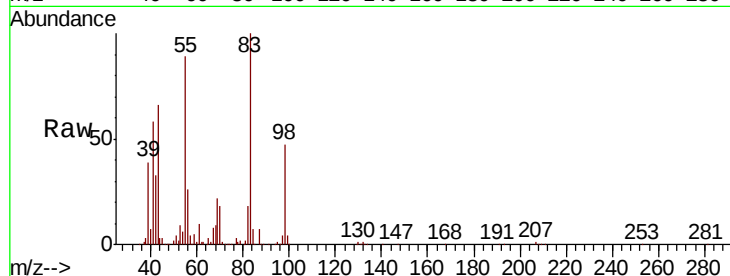
#39
Methvlcvclohexane
Concen: 44.711 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	83	Resp:	296006
Ion	Ratio	Lower	Upper
83	100		
55	88.7	67.3	100.9
98	47.4	36.1	54.1

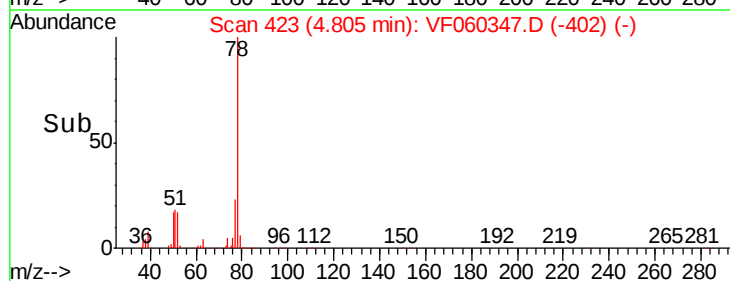
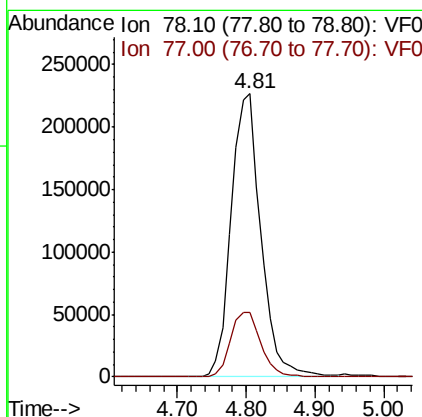
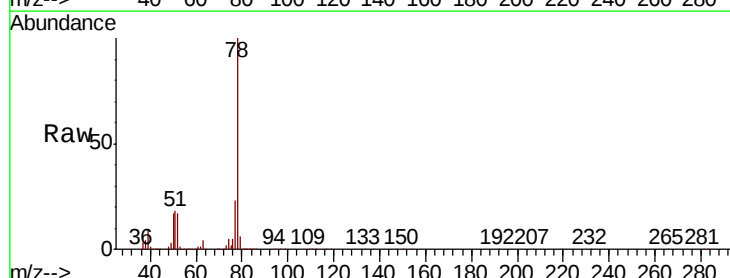
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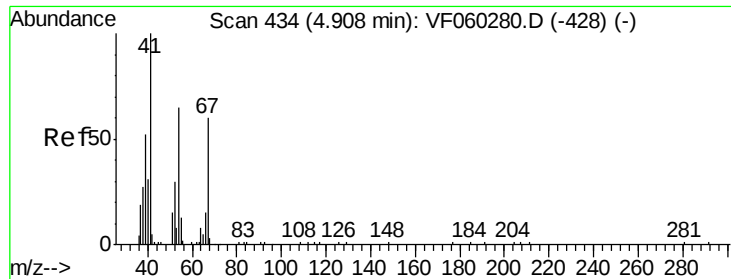
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#40
Benzene
Concen: 49.111 ug/l
RT: 4.81 min Scan# 423
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion:	78	Resp:	680234
Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.4	27.6





#41

Methacrylonitrile

Concen: 53.556 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

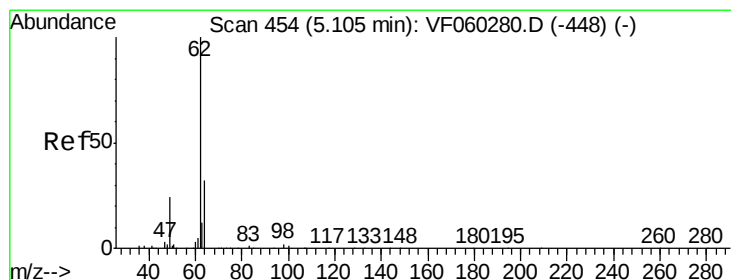
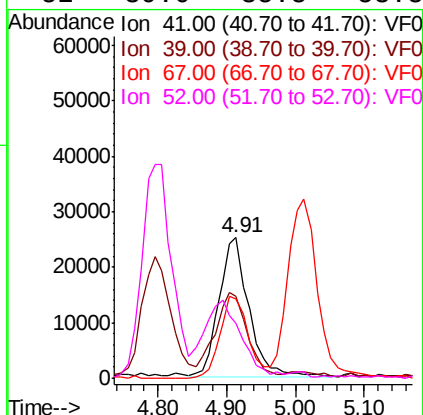
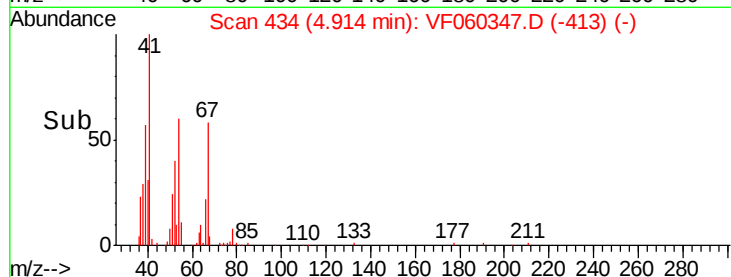
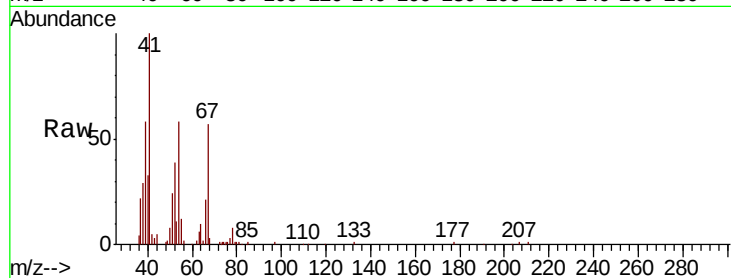
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.3	49.1	73.7	
67	56.6	48.2	72.4	
52	39.0	35.8	53.8	

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#42

1,2-Dichloroethane

Concen: 53.989 ug/l

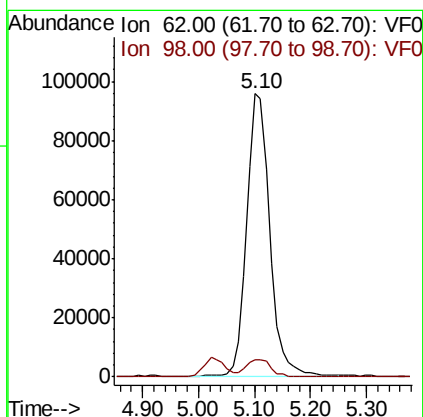
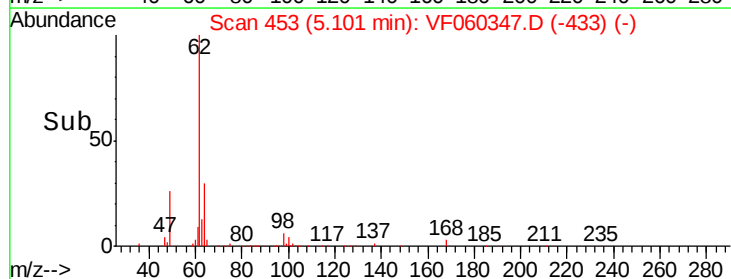
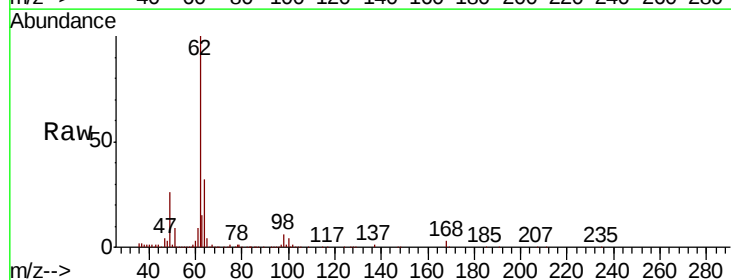
RT: 5.10 min Scan# 453

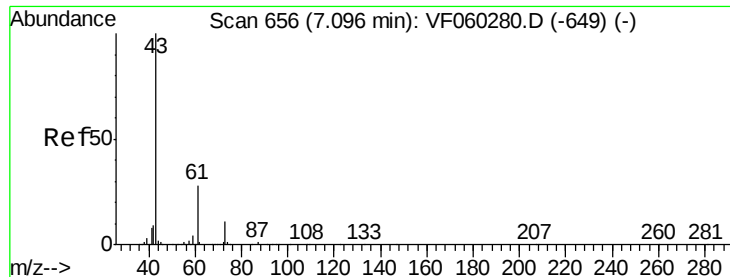
Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.2	0.0	14.4	





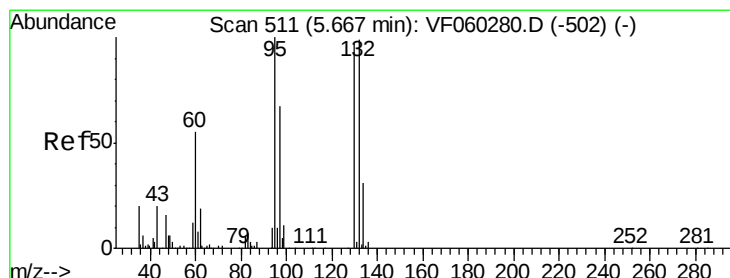
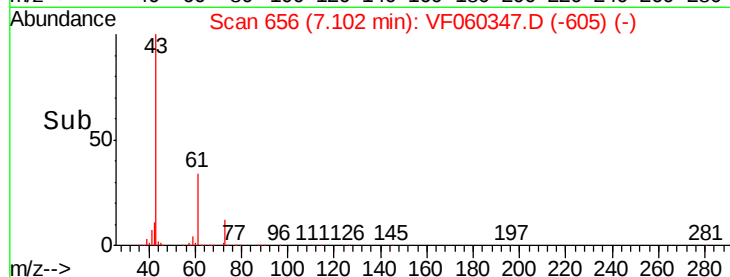
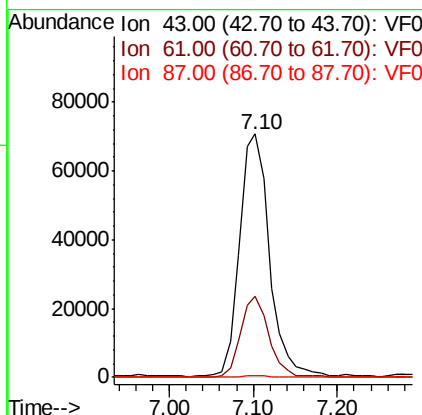
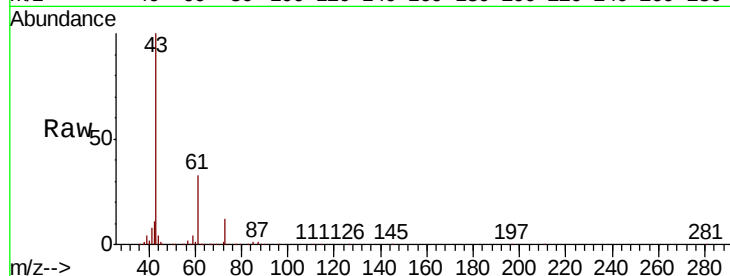
#43
Isopropyl Acetate
Concen: 56.056 ug/l
RT: 7.10 min Scan# 656
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.1	22.4	33.6
87	0.5	0.6	0.8

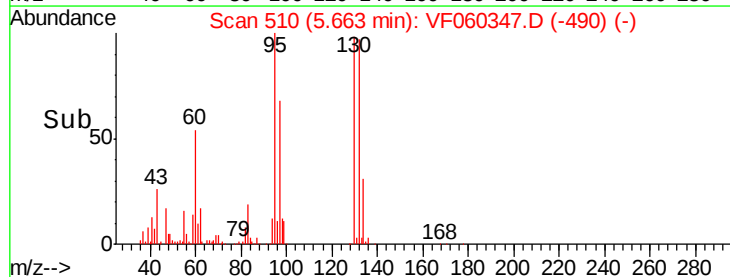
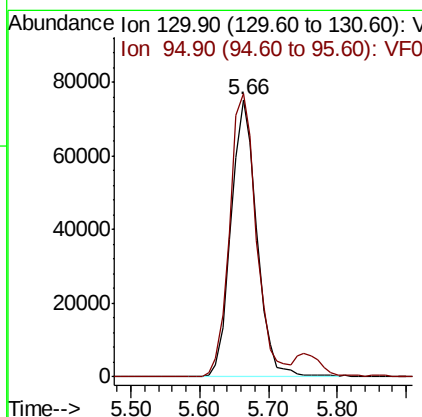
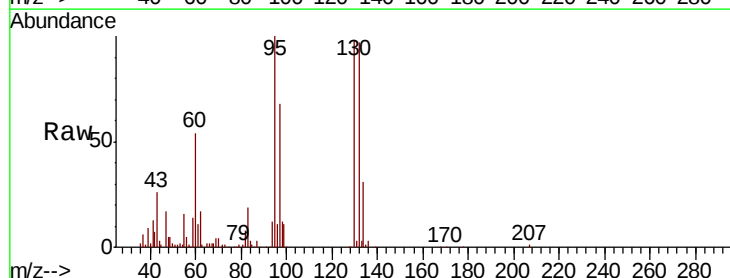
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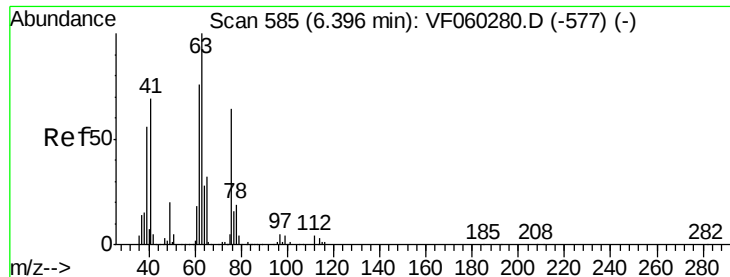
apatel
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#44
Trichloroethene
Concen: 47.426 ug/l
RT: 5.66 min Scan# 510
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	205.6





#45

1,2-Dichloropropane

Concen: 49.403 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 177094

Ion Ratio Lower Upper

63 100

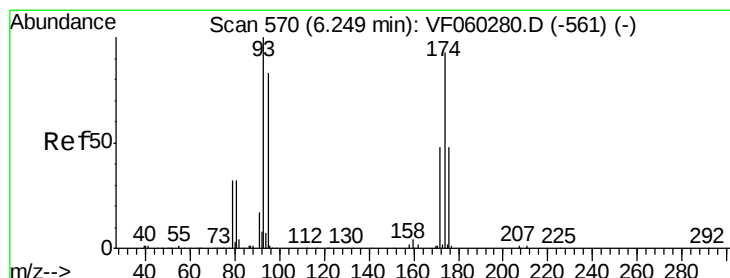
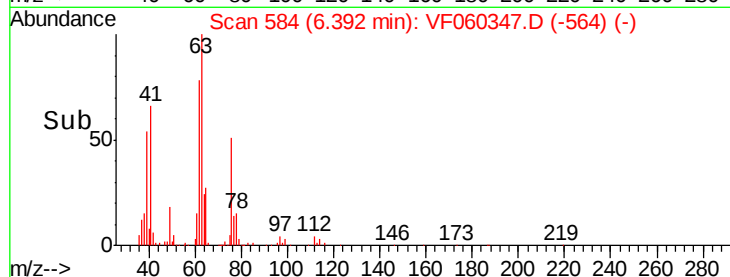
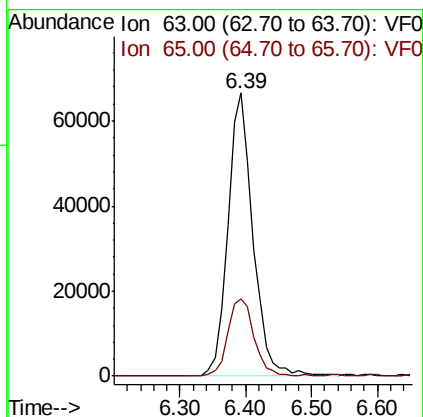
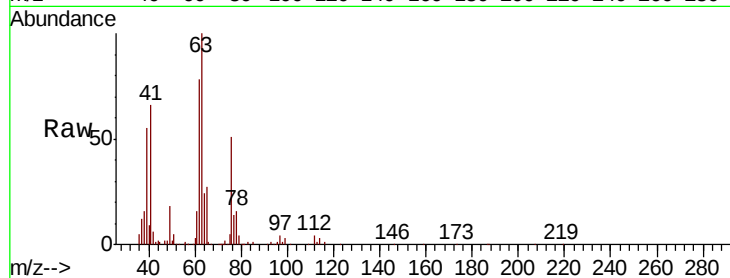
65 27.2 26.2 39.4

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#46

Dibromomethane

Concen: 48.658 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

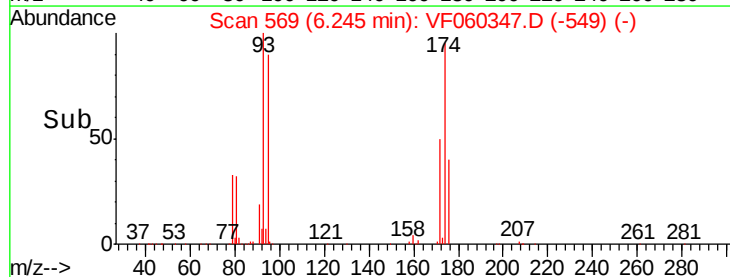
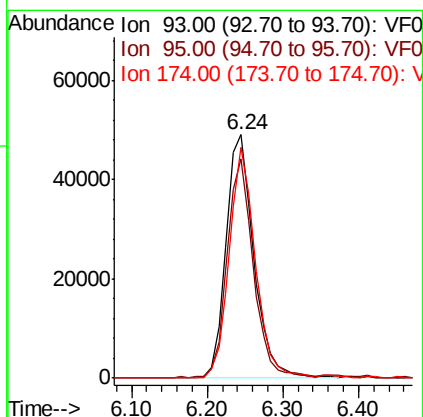
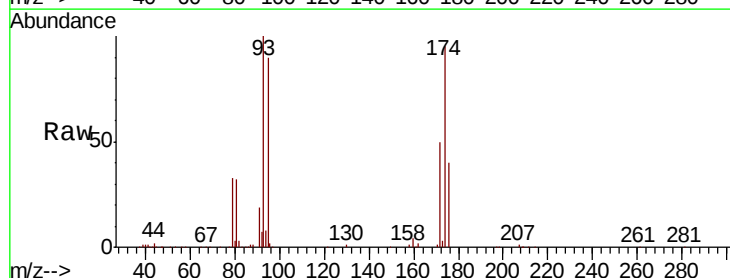
Tgt Ion: 93 Resp: 124678

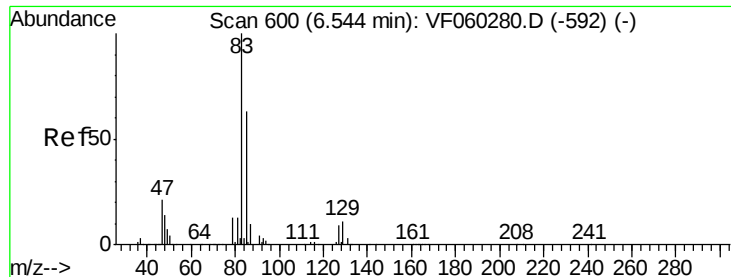
Ion Ratio Lower Upper

93 100

95 89.8 67.0 100.6

174 94.6 74.8 112.2





#47

Bromodichloromethane

Concen: 48.442 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

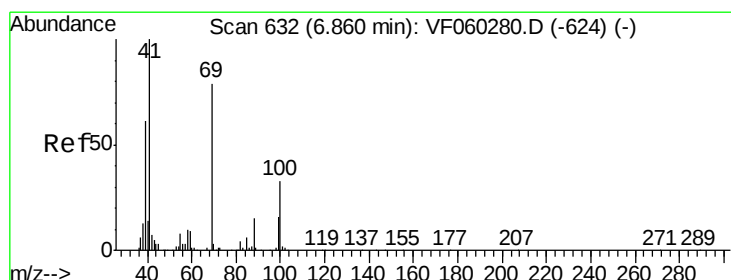
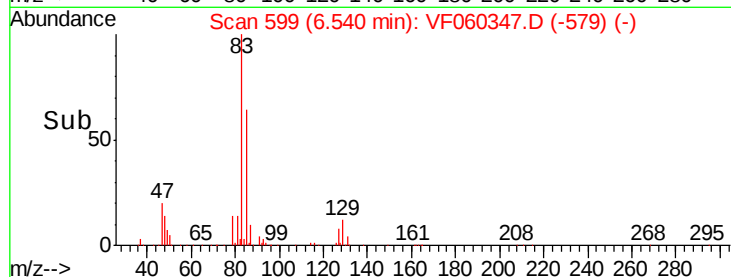
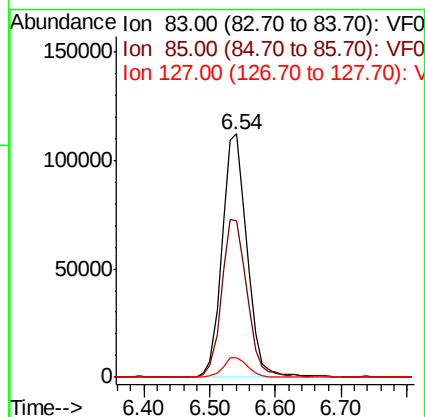
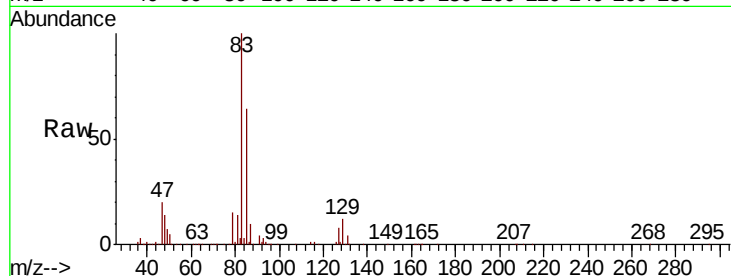
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	298291
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.6	76.0
127	8.3	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.775 ug/l

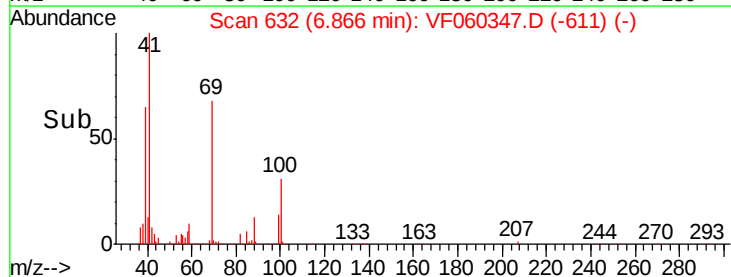
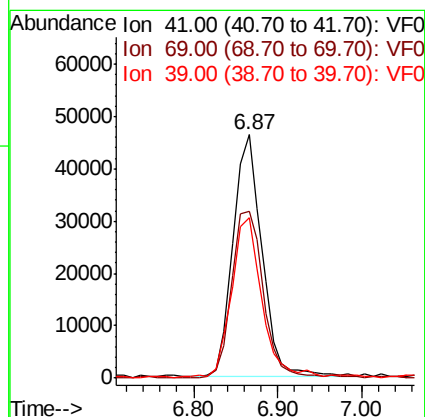
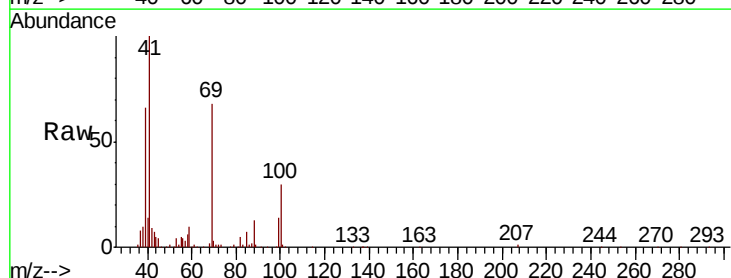
RT: 6.87 min Scan# 632

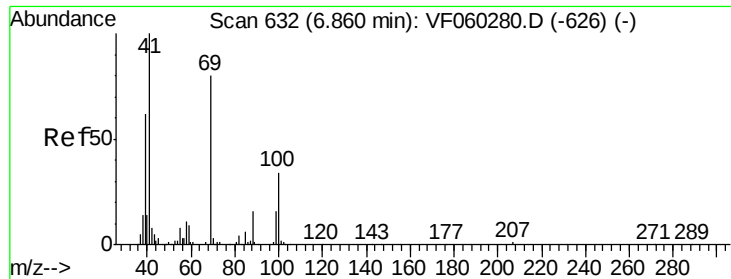
Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion:	41	Resp:	110906
Ion Ratio	Lower	Upper	
41	100		
69	68.3	62.6	94.0
39	66.0	49.1	73.7





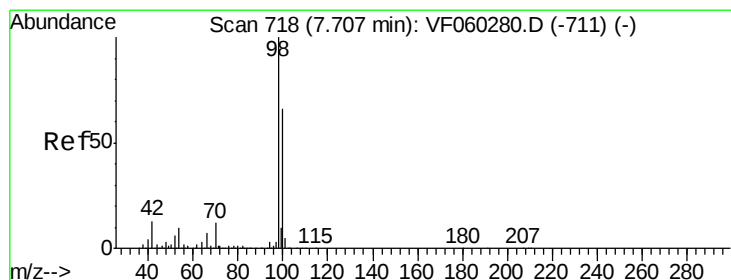
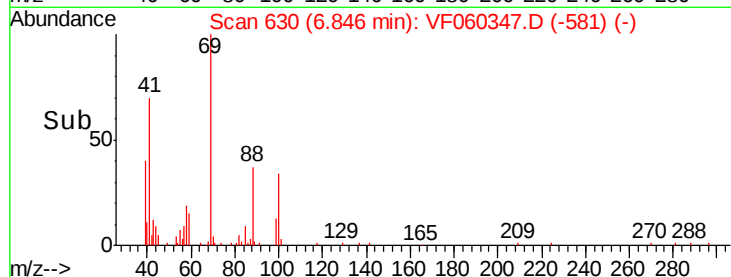
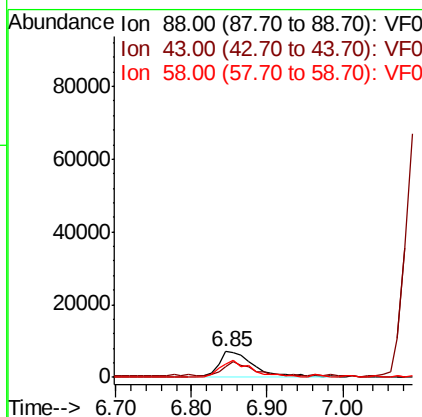
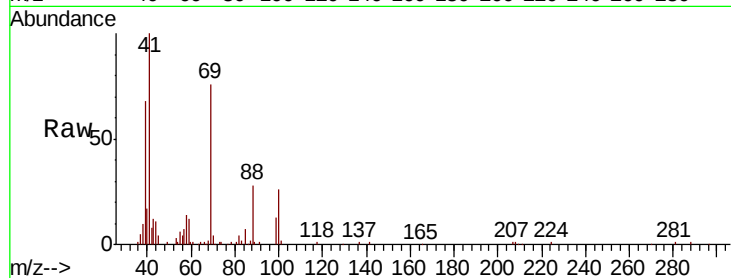
#49
1,4-Dioxane
Concen: 1176.185 ug/l
RT: 6.85 min Scan# 630
Delta R.T. -0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.3	40.2	60.4
58	50.6	56.7	85.1#

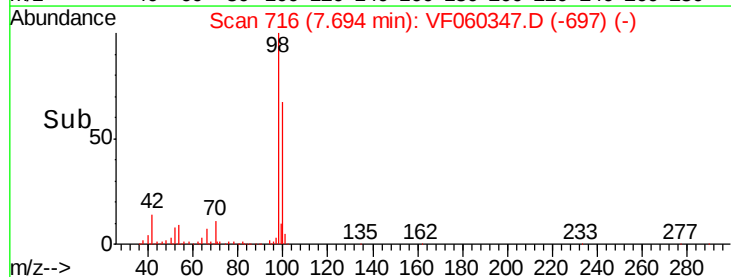
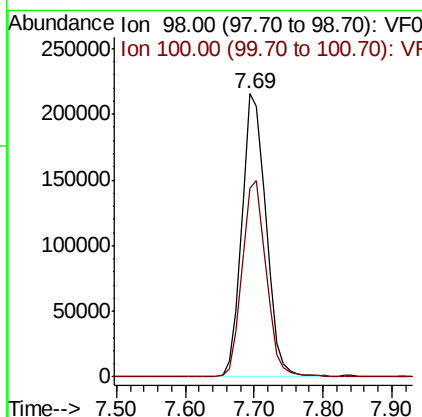
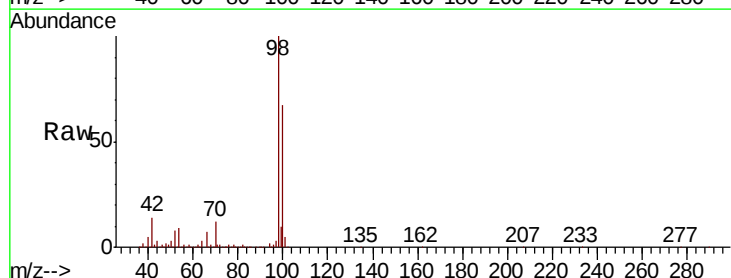
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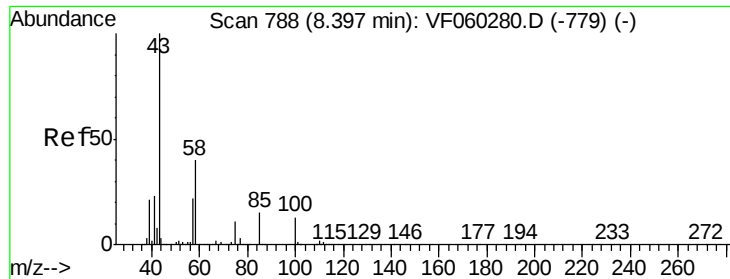
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#50
Toluene-d8
Concen: 46.325 ug/l
RT: 7.69 min Scan# 716
Delta R.T. -0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 324.502 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 778229

Ion Ratio Lower Upper

43 100

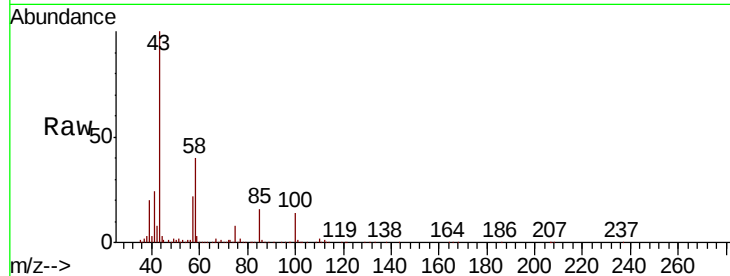
58 40.5 31.8 47.8

Manual Integrations

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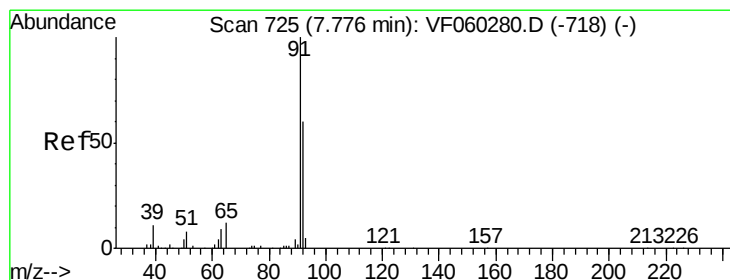
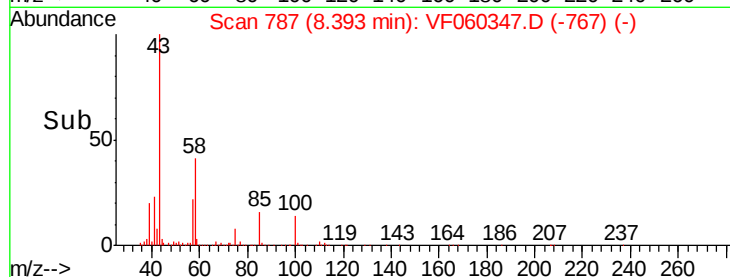
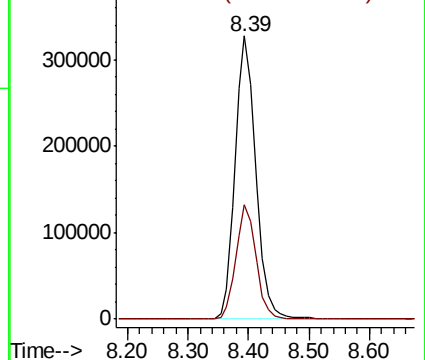
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.310 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.00 min

Lab File: VF060347.D

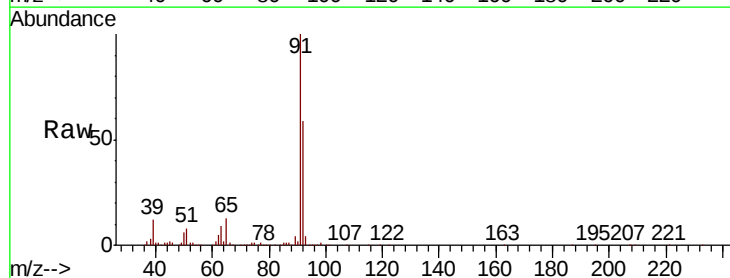
Acq: 26 Sep 2018 12:21

Tgt Ion: 92 Resp: 432080

Ion Ratio Lower Upper

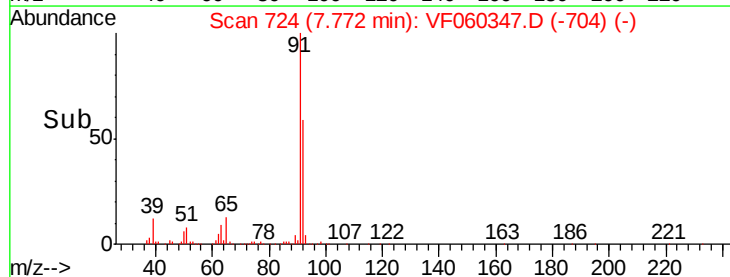
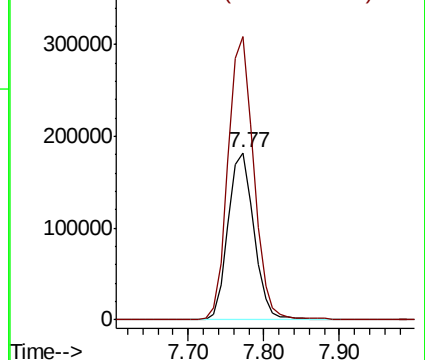
92 100

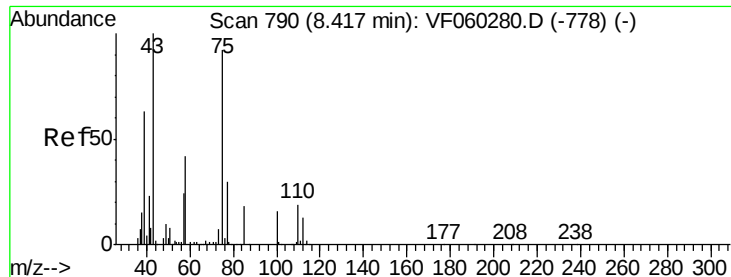
91 169.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 51.860 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 257585

Ion Ratio Lower Upper

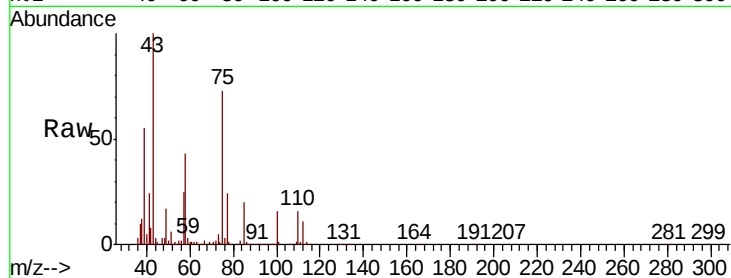
75 100

77 32.4 25.9 38.9

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

120000

100000

80000

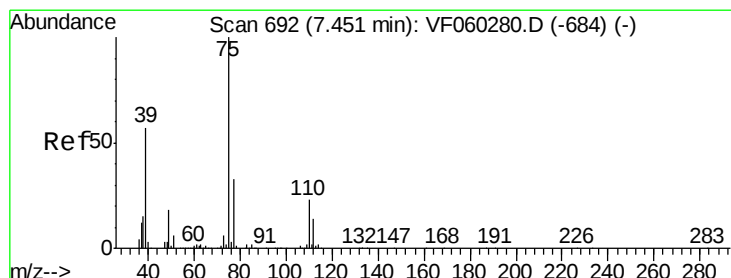
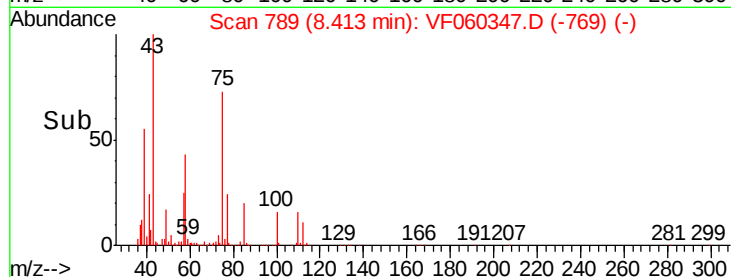
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.764 ug/l

RT: 7.45 min Scan# 691

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

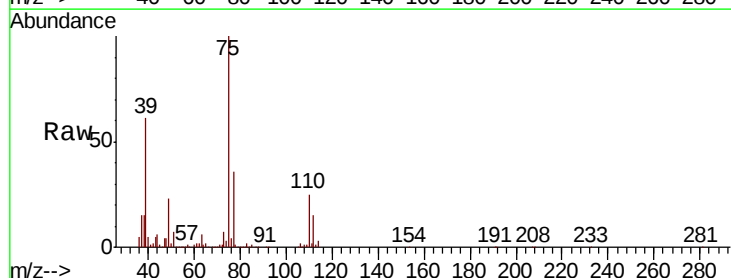
Tgt Ion: 75 Resp: 317642

Ion Ratio Lower Upper

75 100

77 35.8 26.3 39.5

39 61.0 46.1 69.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

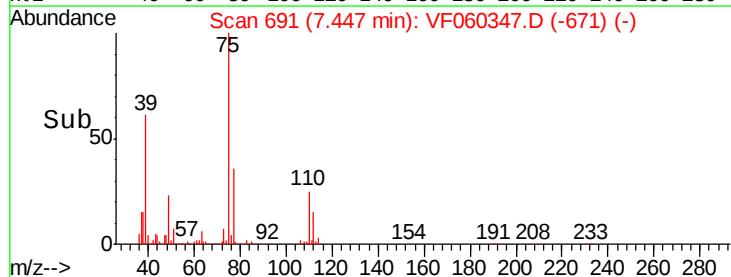
150000

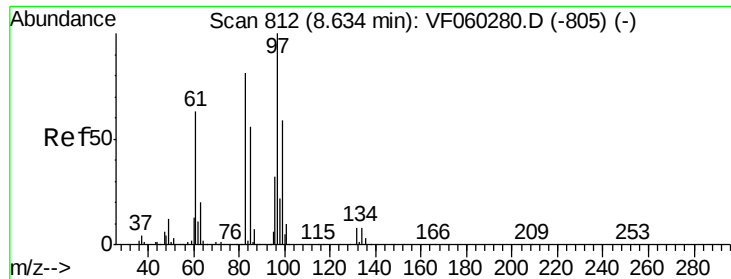
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 56.128 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

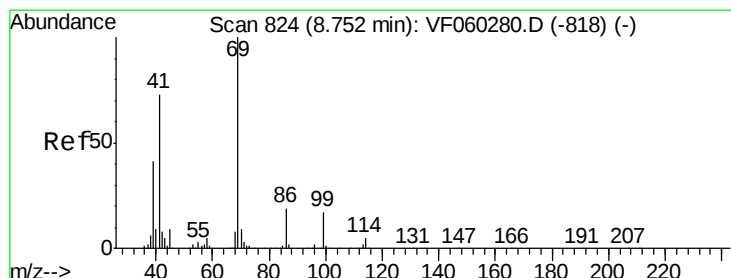
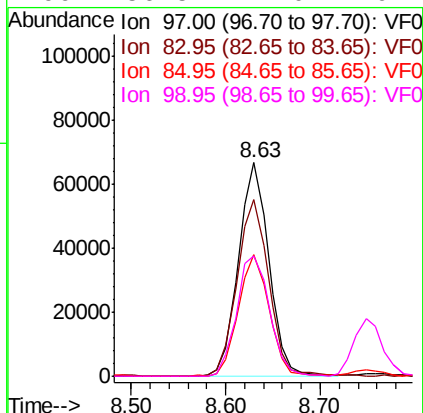
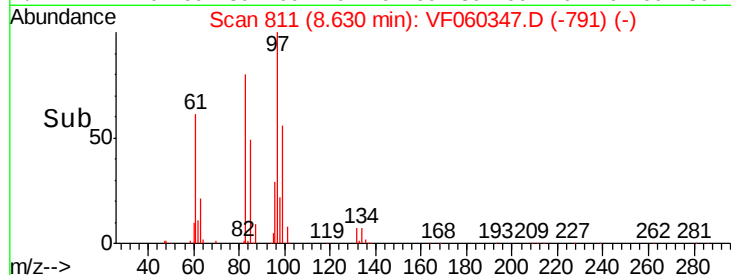
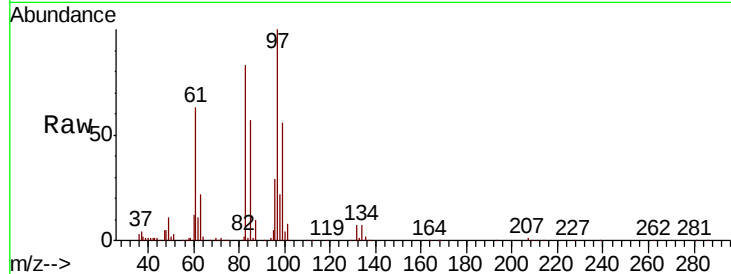
ClientSampleId :

VSTDCCC050

Tot Ion	97	Resp	149271
Ion	Ratio	Lower	Upper
97	100		
83	82.8	65.3	97.9
85	56.9	44.7	67.1
99	56.5	47.0	70.4

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#56

Ethyl methacrylate

Concen: 59.820 ug/l

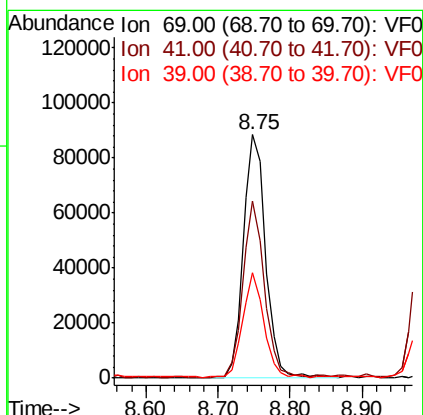
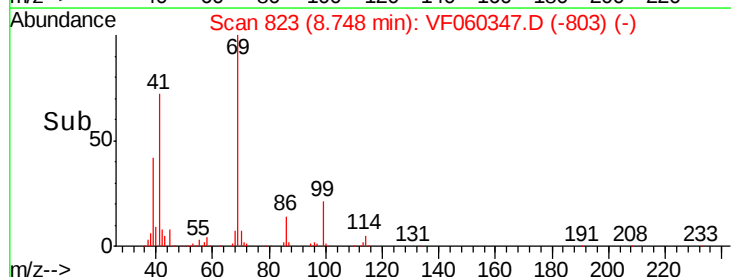
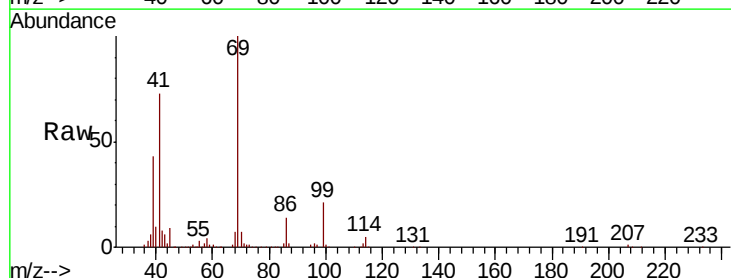
RT: 8.75 min Scan# 823

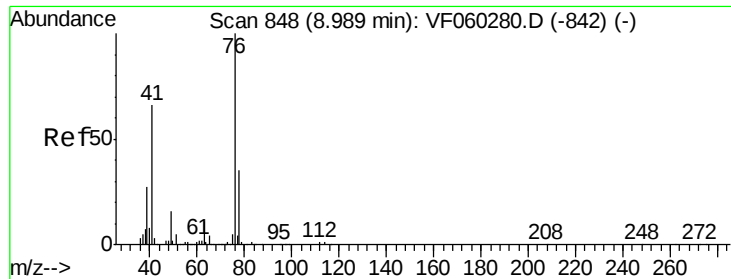
Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion	69	Resp	192139
Ion	Ratio	Lower	Upper
69	100		
41	72.8	59.4	89.2
39	43.2	33.5	50.3





#57

1,3-Dichloropropane

Concen: 57.532 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 253344

Ion Ratio Lower Upper

76 100

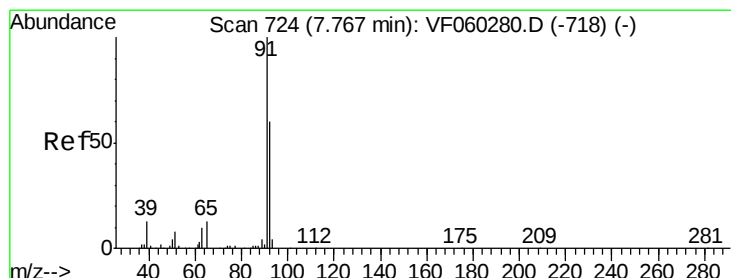
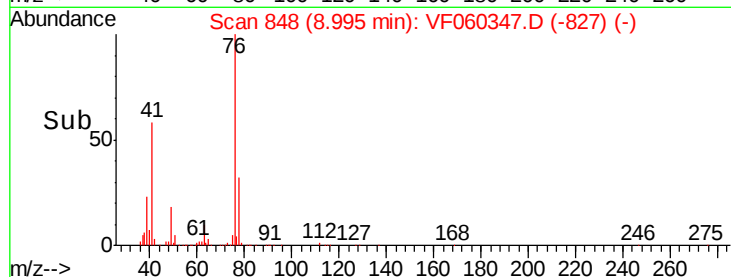
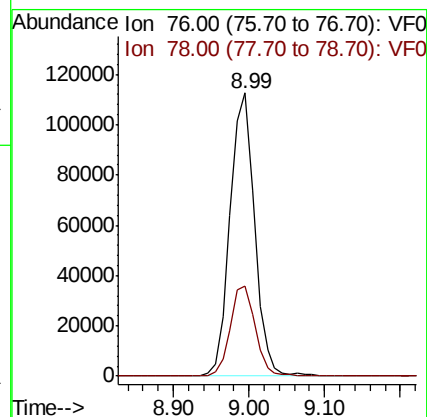
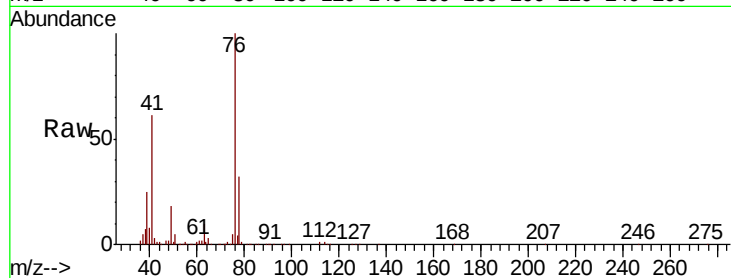
78 31.9 28.2 42.2

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#58

2-Chloroethyl Vinyl ether

Concen: 240.607 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.00 min

Lab File: VF060347.D

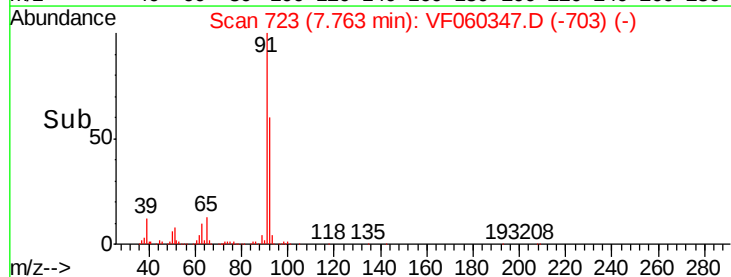
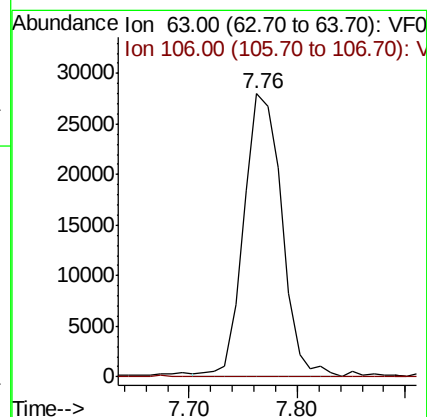
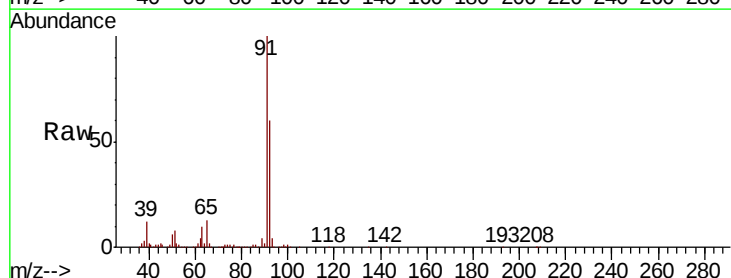
Acq: 26 Sep 2018 12:21

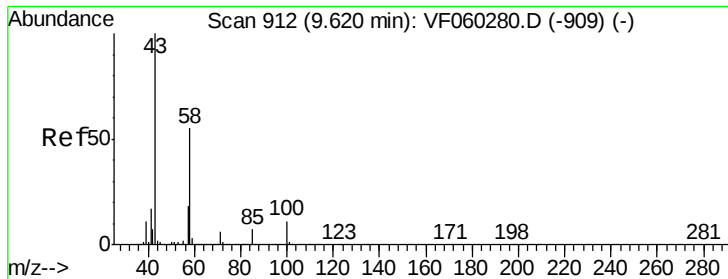
Tgt Ion: 63 Resp: 68319

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





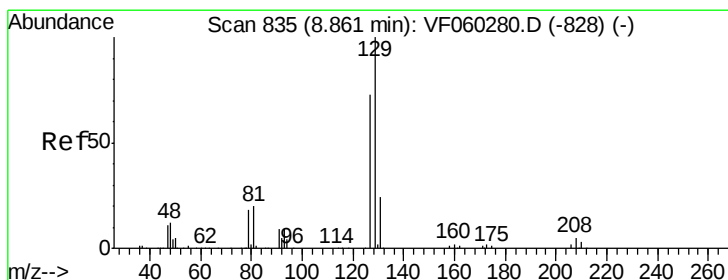
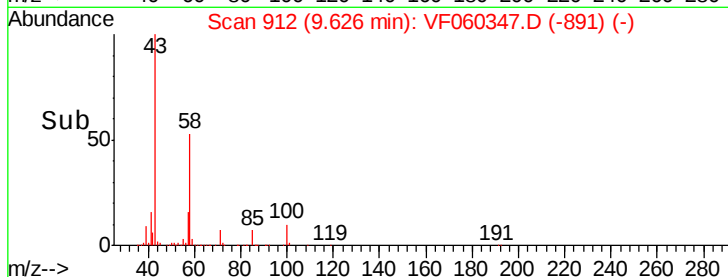
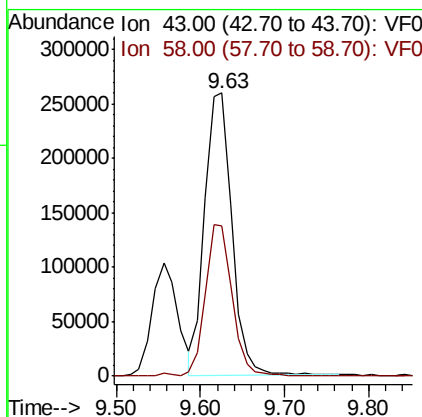
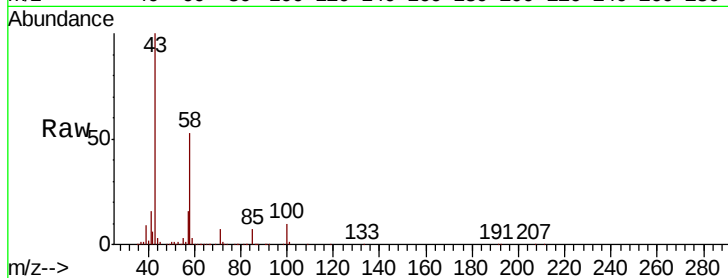
#59
2-Hexanone
Concen: 340.232 ug/l
RT: 9.63 min Scan# 912
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 580965
Ion Ratio Lower Upper
43 100
58 53.3 25.9 77.6

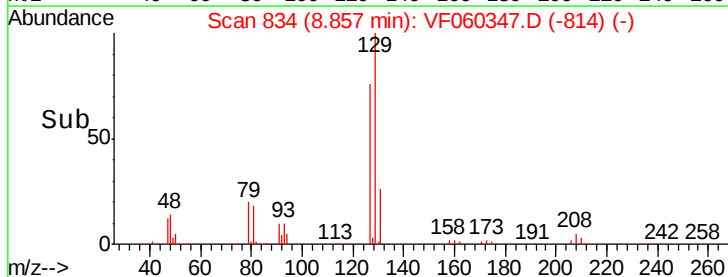
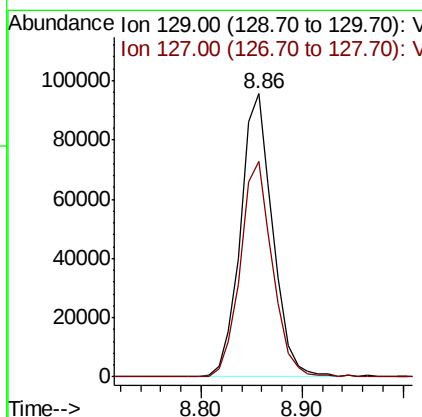
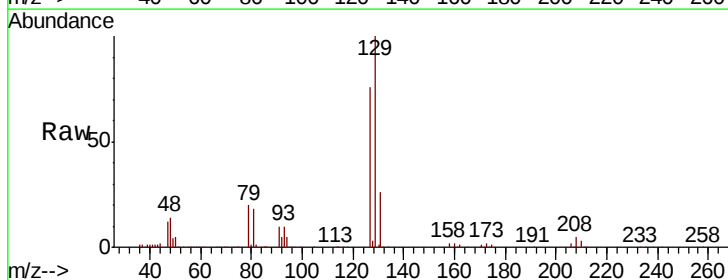
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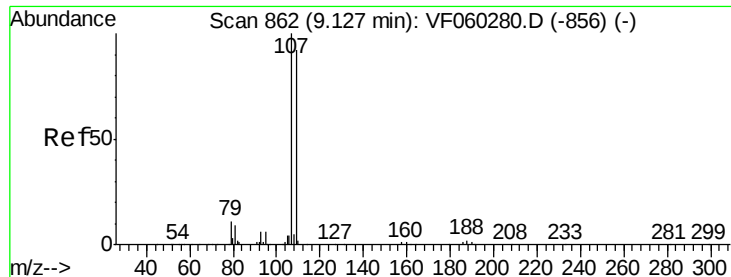
apatel
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#60
Dibromochloromethane
Concen: 53.424 ug/l
RT: 8.86 min Scan# 834
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion: 129 Resp: 211766
Ion Ratio Lower Upper
129 100
127 76.0 36.6 109.8





#61

1,2-Dibromoethane

Concen: 51.273 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 151846

Ion Ratio Lower Upper

107 100

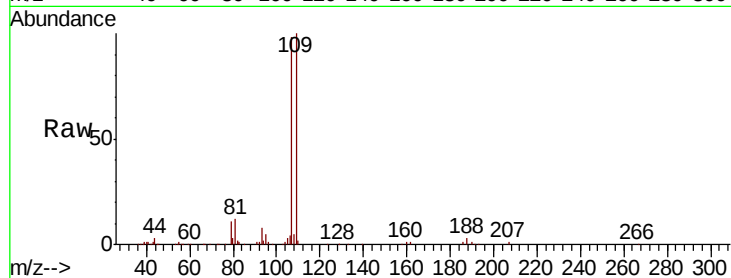
109 102.2 73.2 109.8

Manual Integrations

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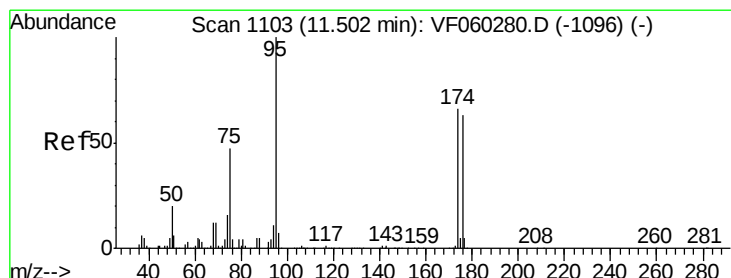
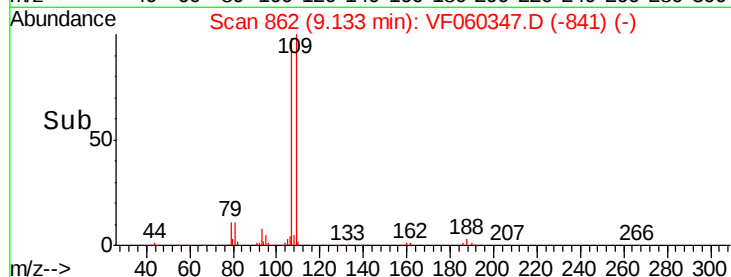
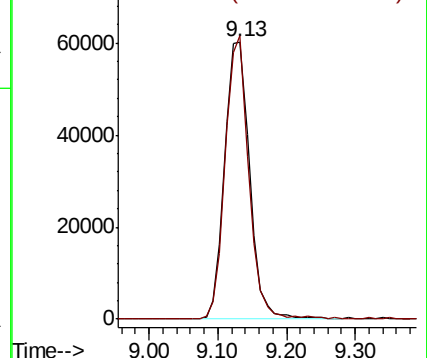
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.257 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

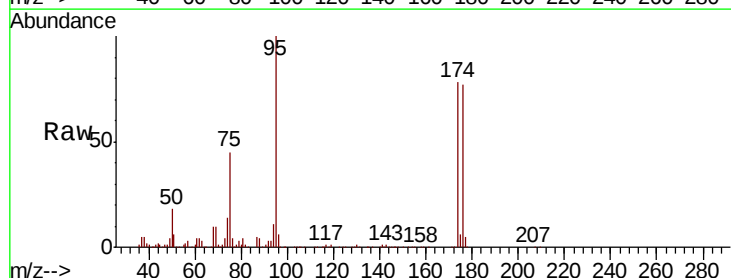
Tgt Ion: 95 Resp: 242061

Ion Ratio Lower Upper

95 100

174 78.5 0.0 131.2

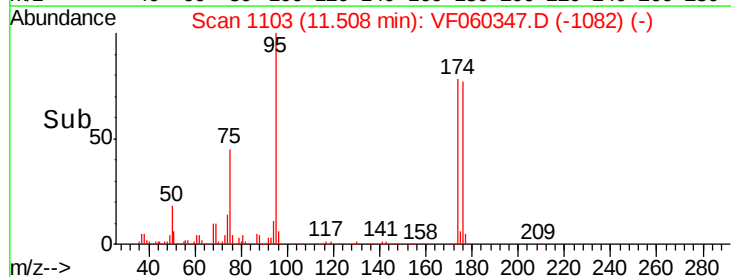
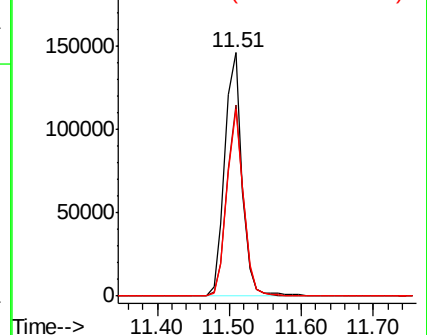
176 76.9 0.0 126.6

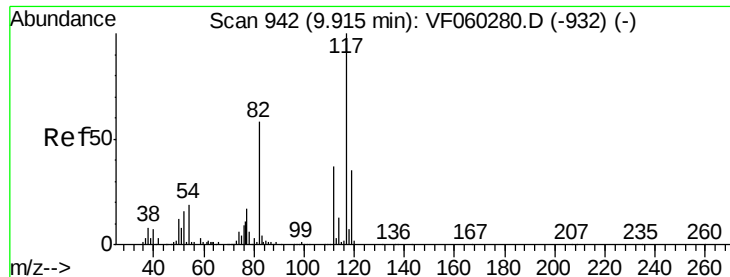


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





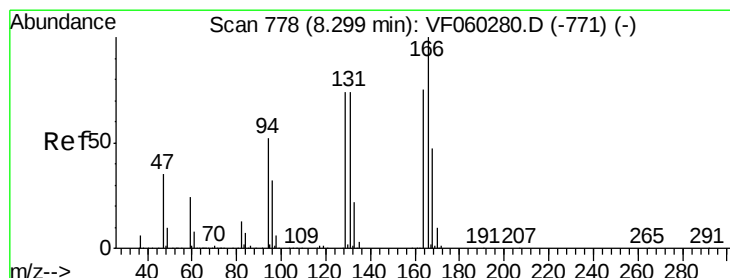
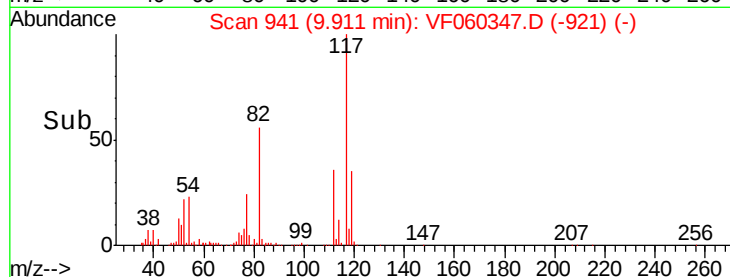
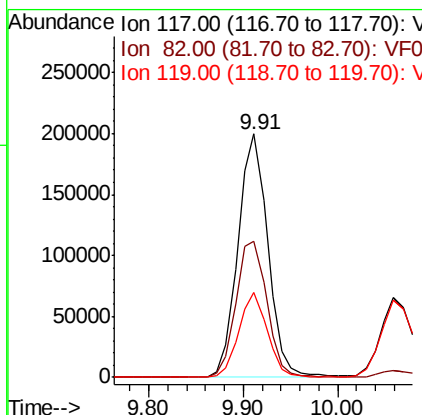
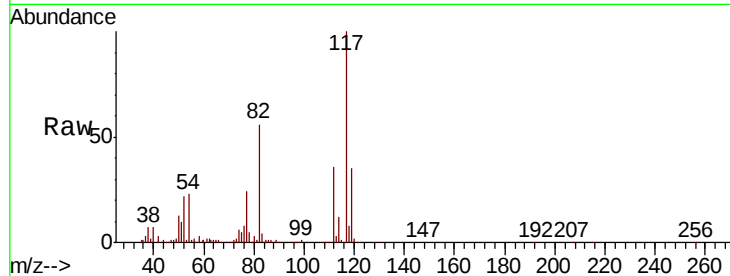
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.2	69.2
119	35.0	27.8	41.6

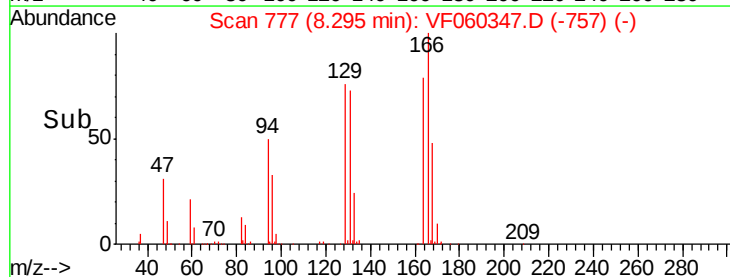
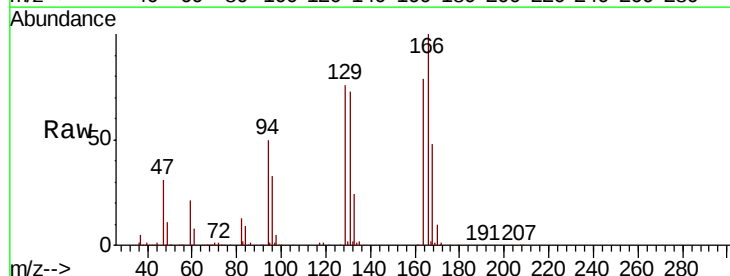
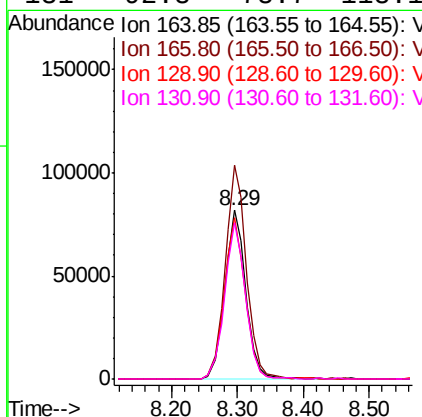
Manual Integrations
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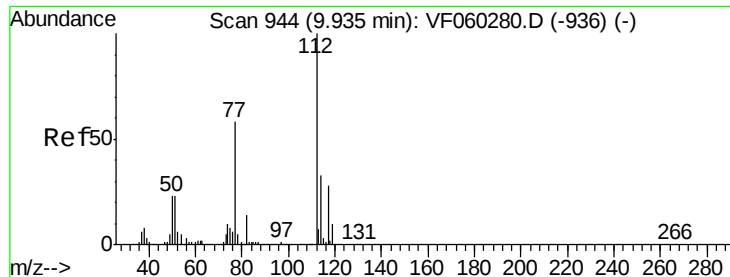
apatel
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#64
Tetrachloroethene
Concen: 46.232 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	106.8	160.2
129	95.8	78.8	118.2
131	92.8	78.7	118.1





#65

Chlorobenzene

Concen: 50.323 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 498325

Ion Ratio Lower Upper

112 100

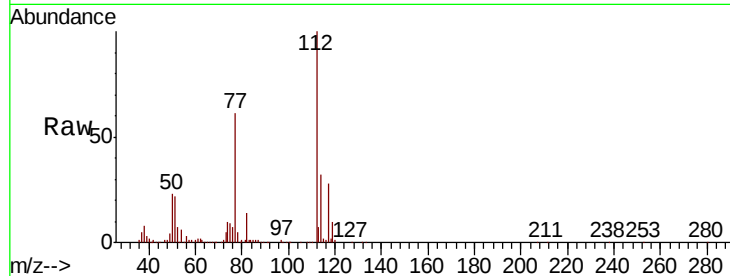
114 32.3 26.6 40.0

Manual Integrations

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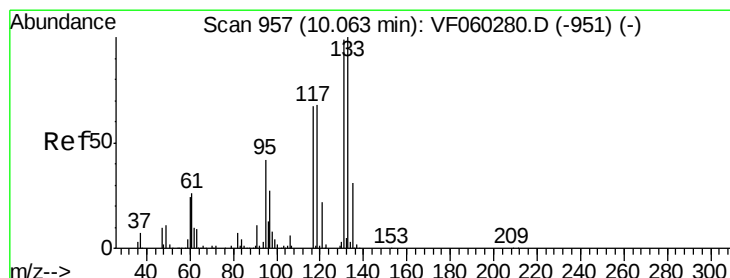
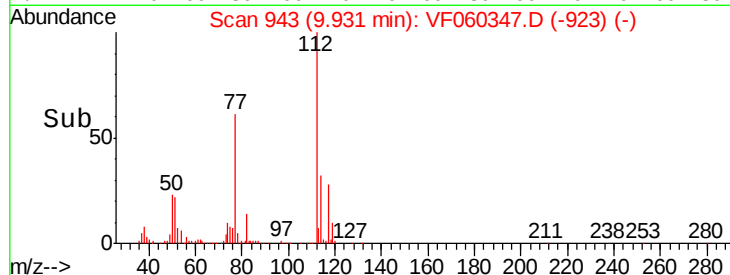
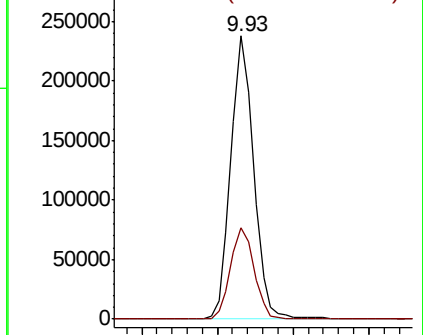
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.306 ug/l

RT: 10.06 min Scan# 956

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

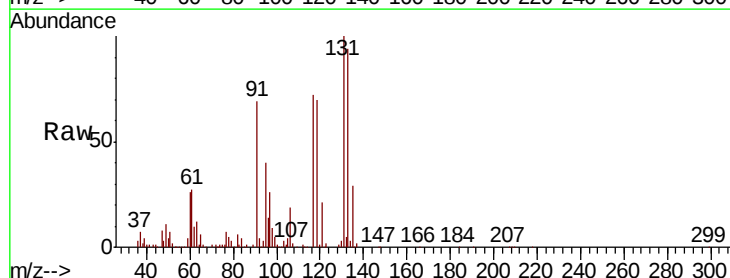
Tgt Ion:131 Resp: 206736

Ion Ratio Lower Upper

131 100

133 94.4 50.4 151.2

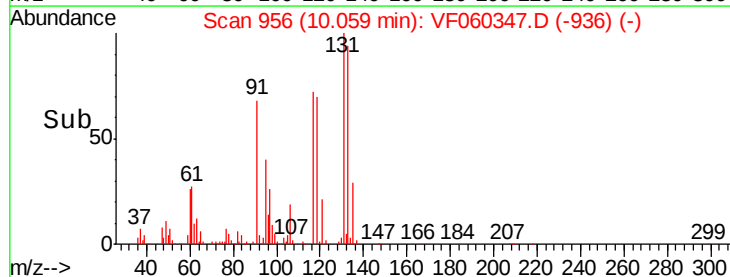
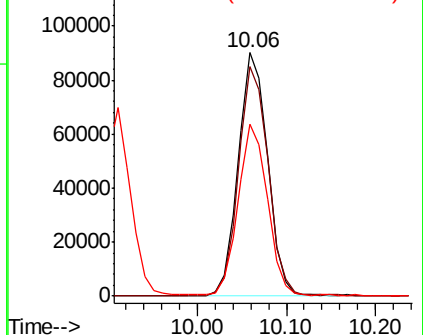
119 70.4 34.8 104.3

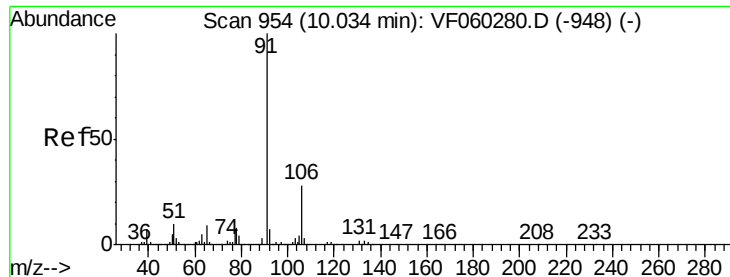


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 49.062 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 898296

Ion Ratio Lower Upper

91 100

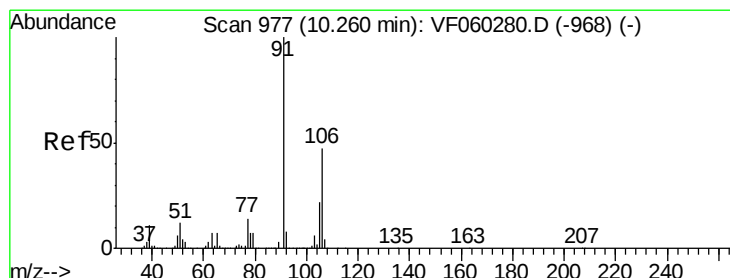
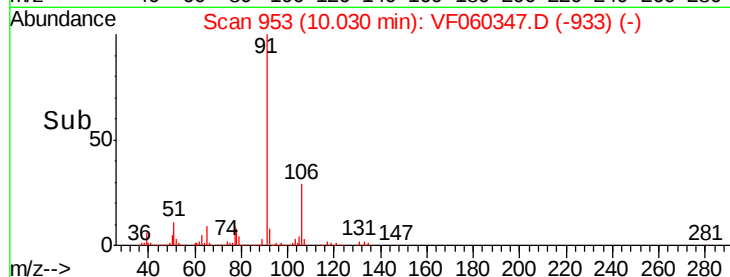
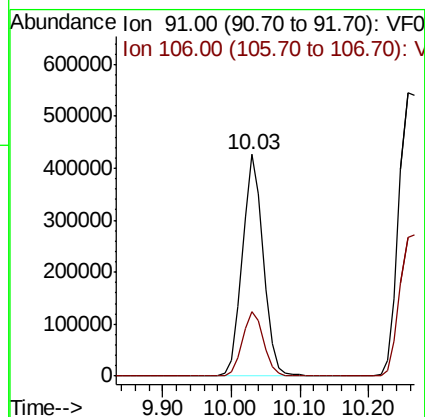
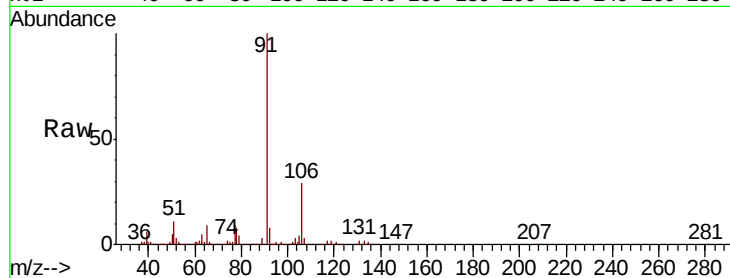
106 29.1 22.7 34.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.405 ug/l

RT: 10.27 min Scan# 977

Delta R.T. 0.01 min

Lab File: VF060347.D

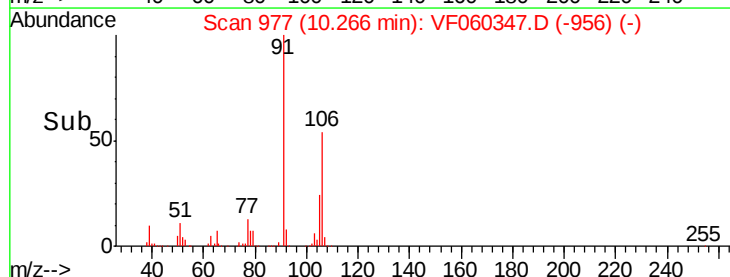
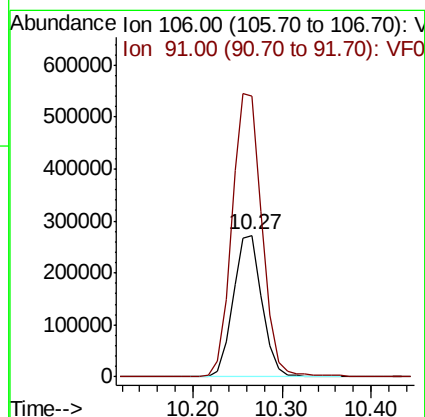
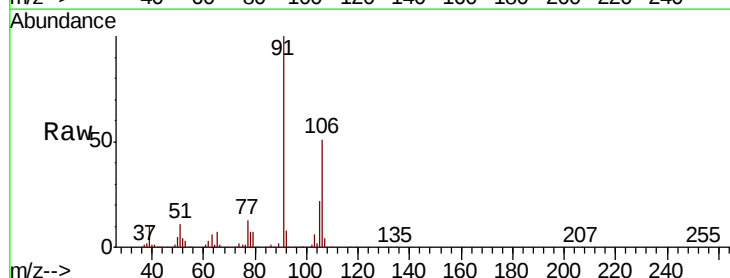
Acq: 26 Sep 2018 12:21

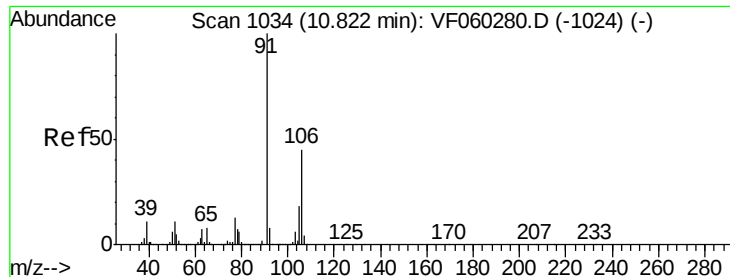
Tgt Ion:106 Resp: 616149

Ion Ratio Lower Upper

106 100

91 197.5 172.3 258.5





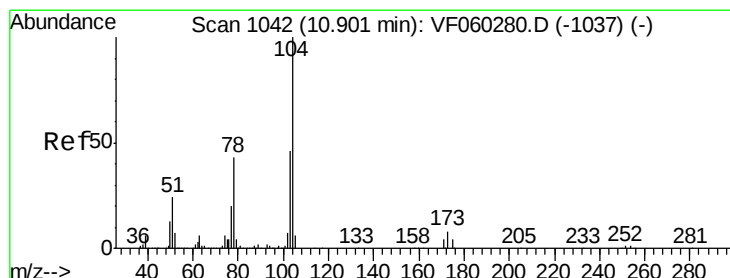
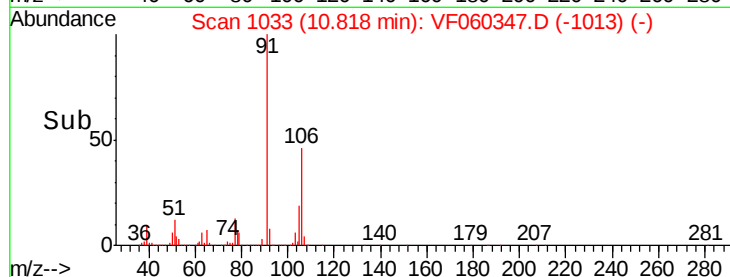
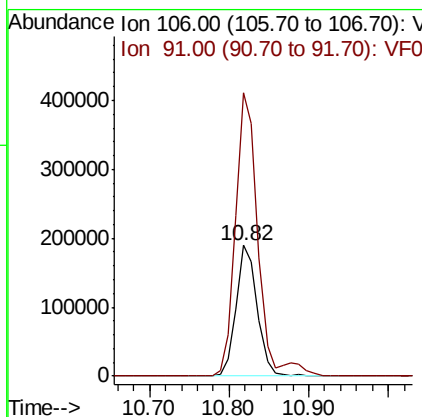
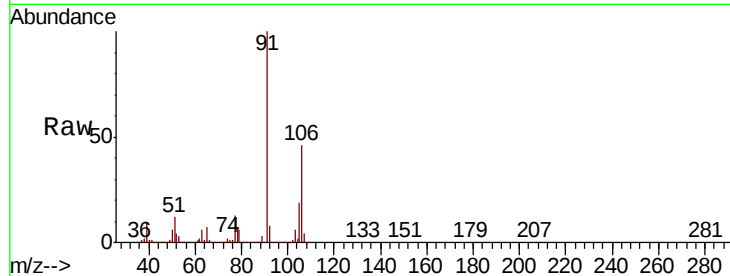
#69
o-Xylene
Concen: 49.623 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	352080		
91	91	216.4	110.9	332.6	

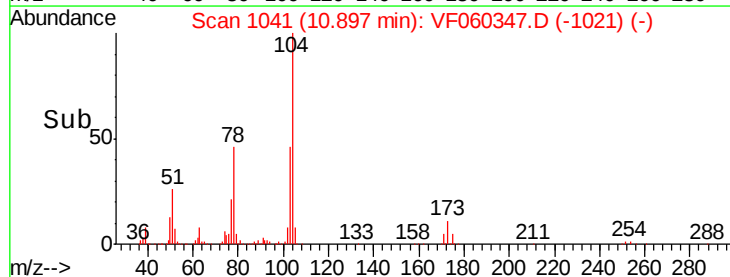
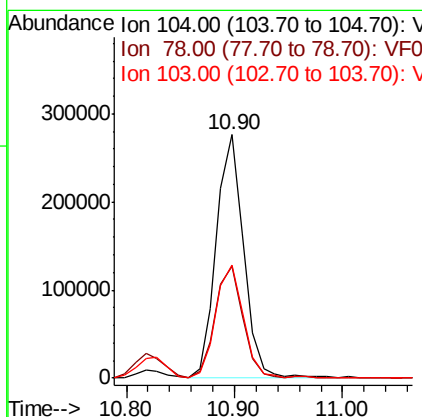
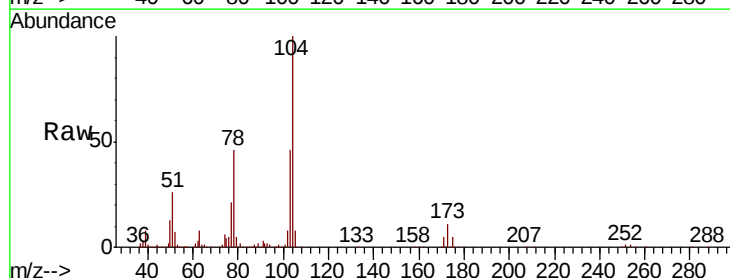
Manual Integrations
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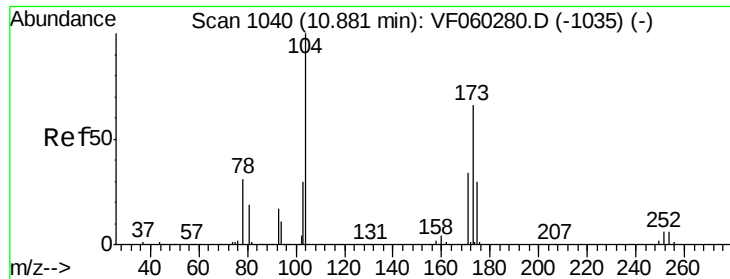
apatel
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#70
Styrene
Concen: 48.105 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	481330		
78	78	46.2	35.0	52.6	
103	103	46.3	37.4	56.0	





#71

Bromoform

Concen: 51.790 ug/l

RT: 10.88 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 116888

Ion Ratio Lower Upper

173 100

175 46.5 22.3 66.9

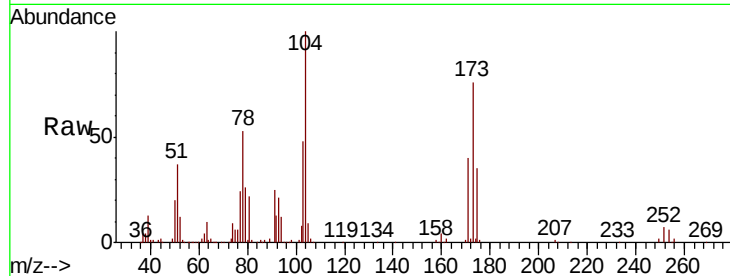
254 0.2 0.0 0.0#

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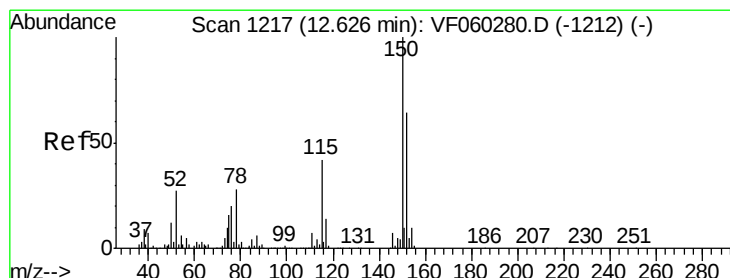
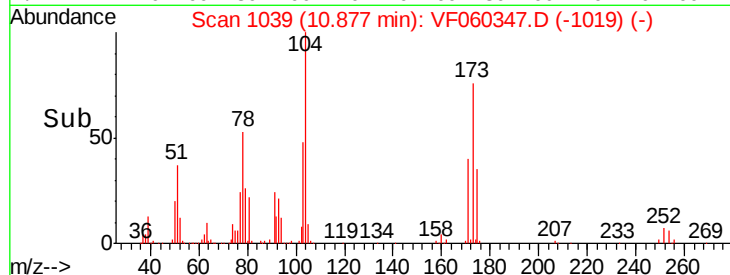
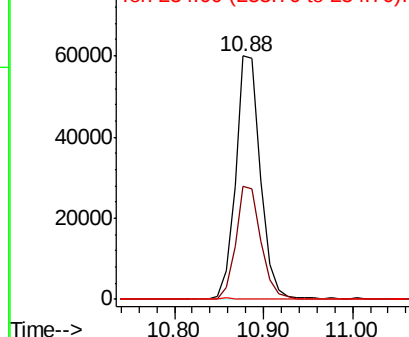


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

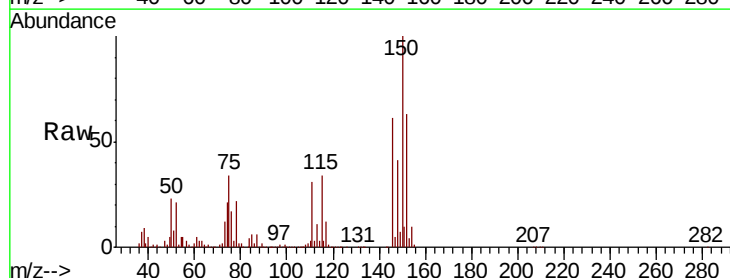
Tgt Ion:152 Resp: 235114

Ion Ratio Lower Upper

152 100

115 53.6 32.6 97.8

150 159.0 0.0 314.2

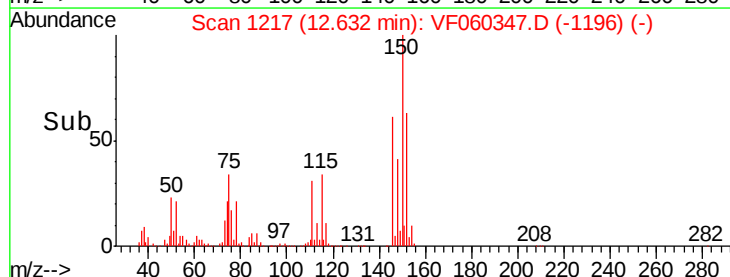
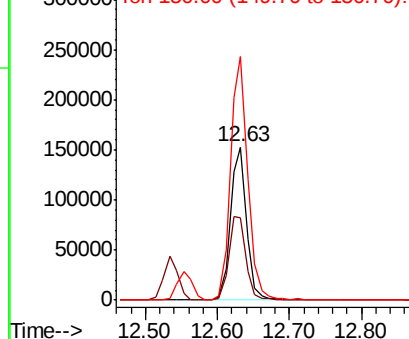


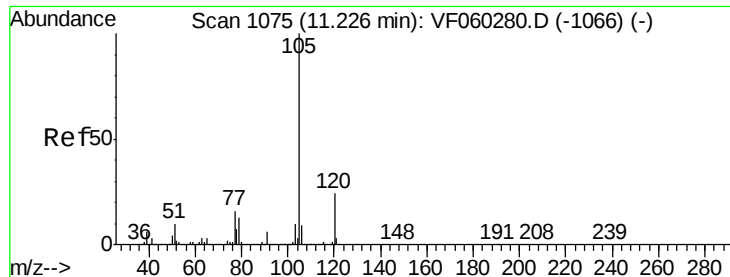
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 48.459 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1022821

Ion Ratio Lower Upper

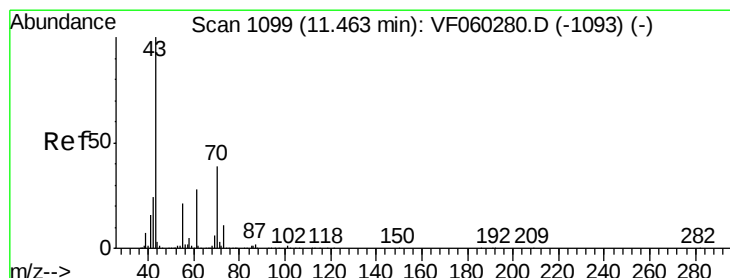
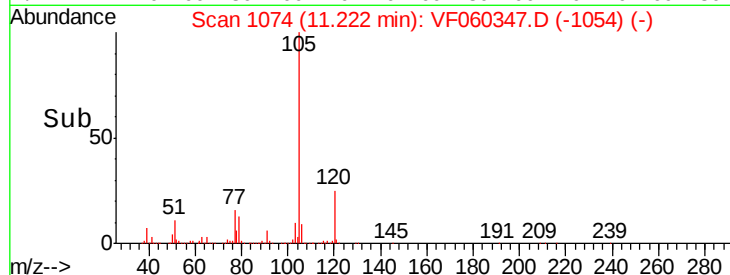
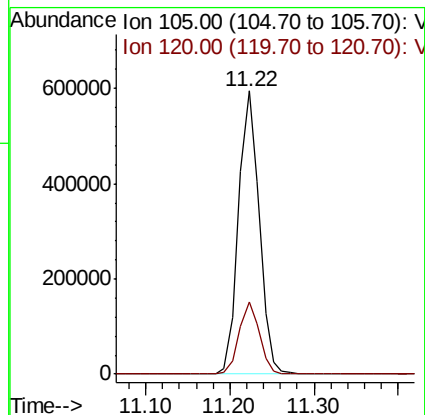
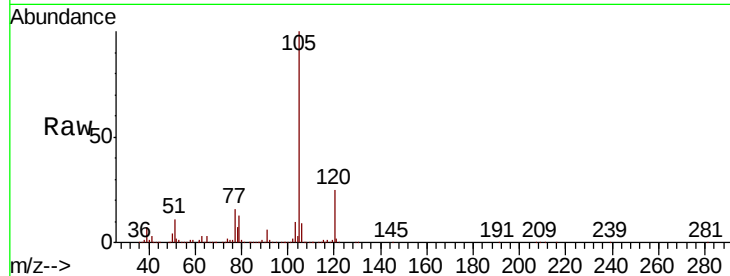
105 100

120 25.3 12.2 36.6

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#74

N-ethyl acetate

Concen: 57.024 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion: 43 Resp: 256661

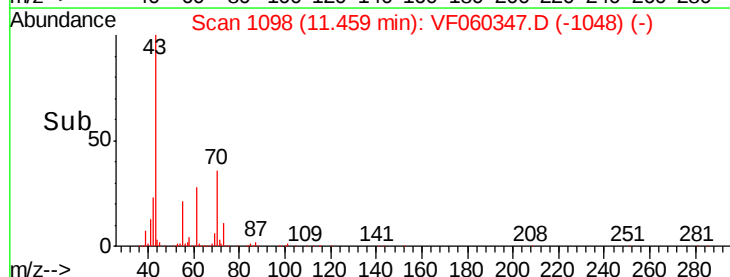
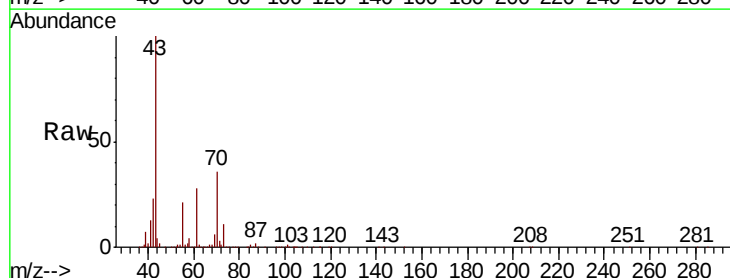
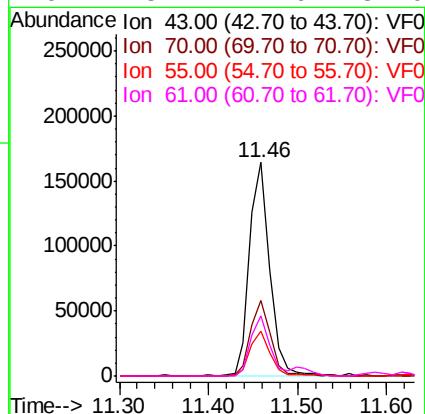
Ion Ratio Lower Upper

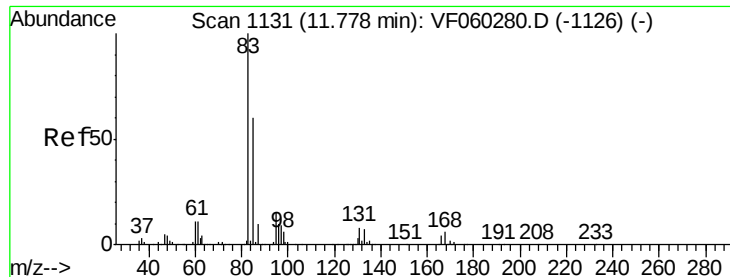
43 100

70 35.5 31.4 47.2

55 21.0 16.8 25.2

61 28.4 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.266 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

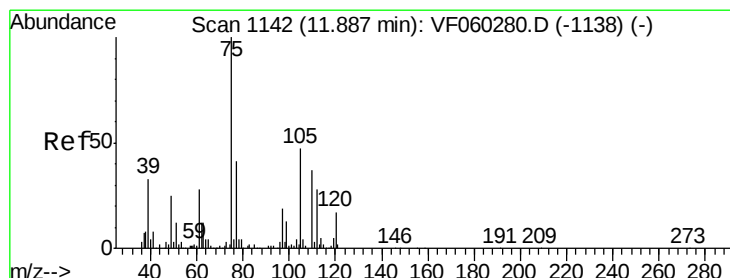
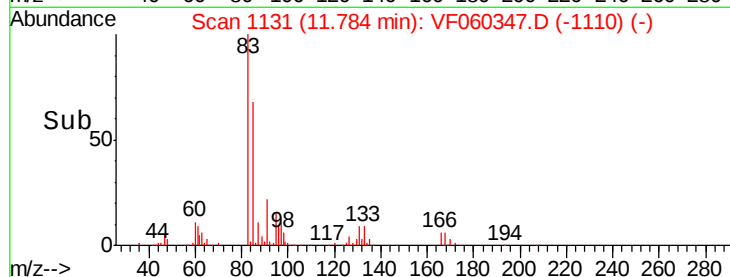
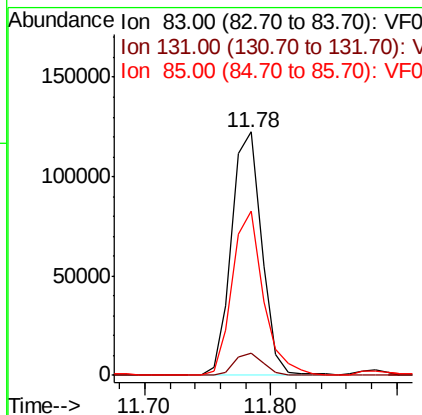
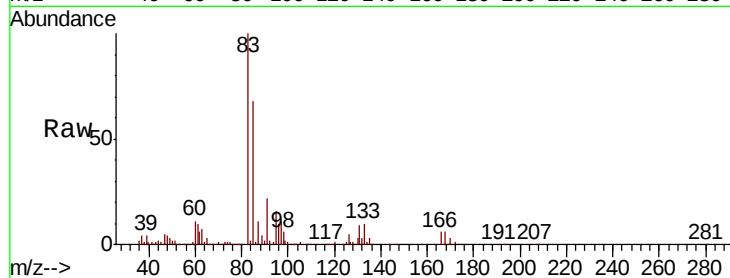
VSTDCCC050

Tot Ion:	83	Resp:	202989
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.2	12.4
85	67.6	30.1	90.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.398 ug/l

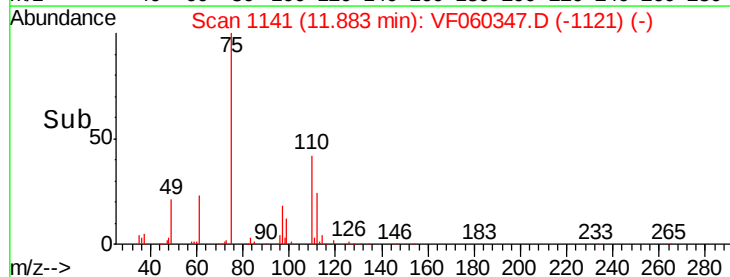
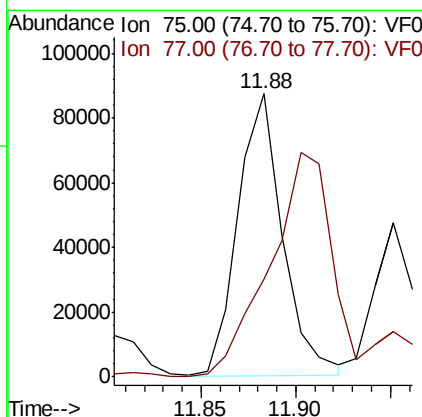
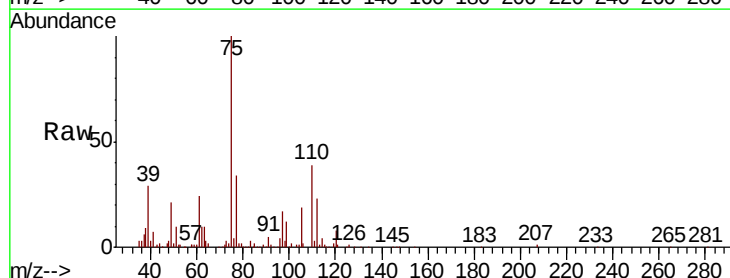
RT: 11.88 min Scan# 1141

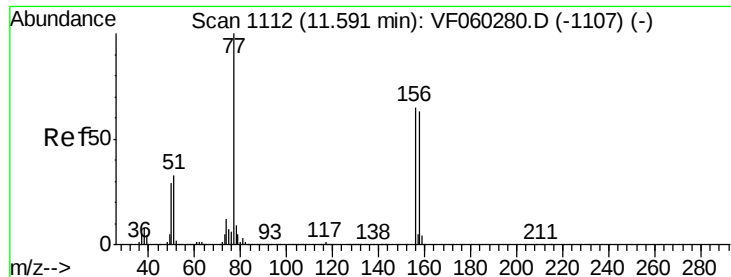
Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion:	75	Resp:	143018
Ion Ratio	Lower	Upper	
75	100		
77	34.4	20.5	61.5





#77

Bromobenzene

Concen: 48.404 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

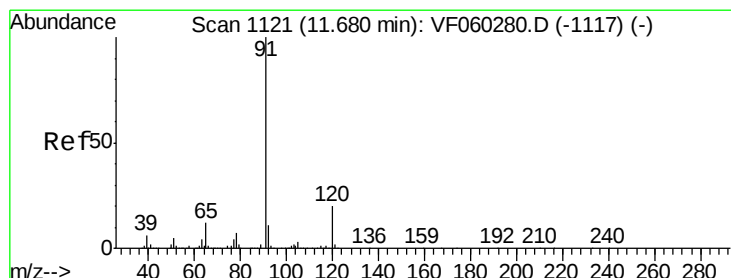
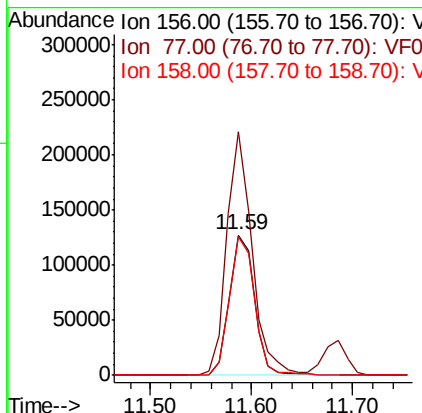
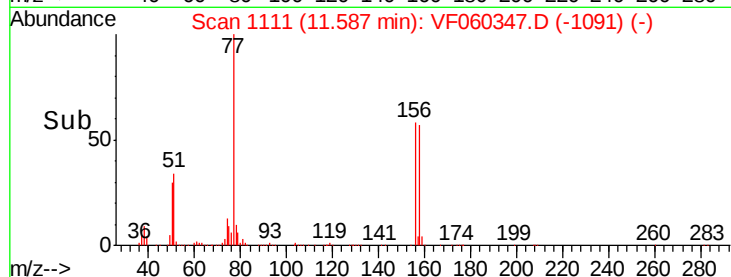
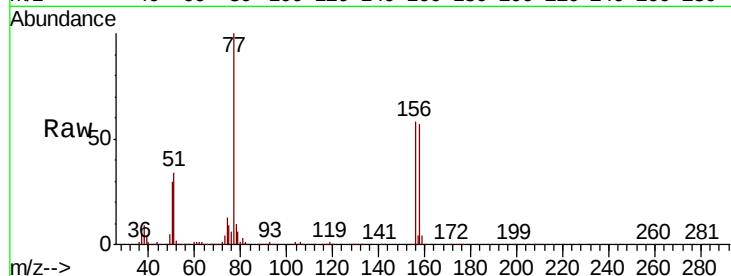
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	220176
Ion Ratio	Lower	Upper	
156	100		
77	173.6	77.3	232.1
158	99.0	48.4	145.2

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#78

n-propylbenzene

Concen: 58.130 ug/l

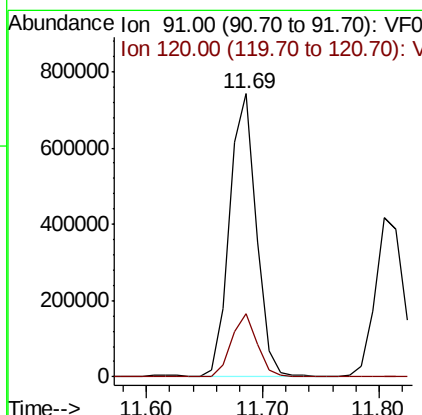
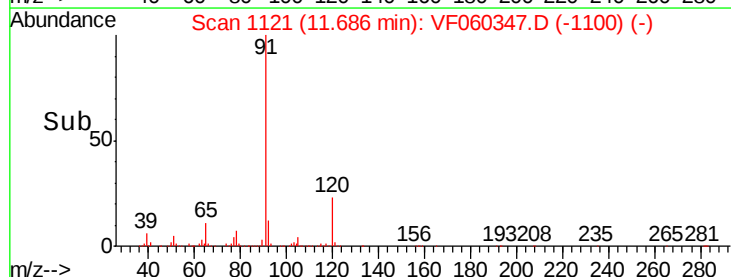
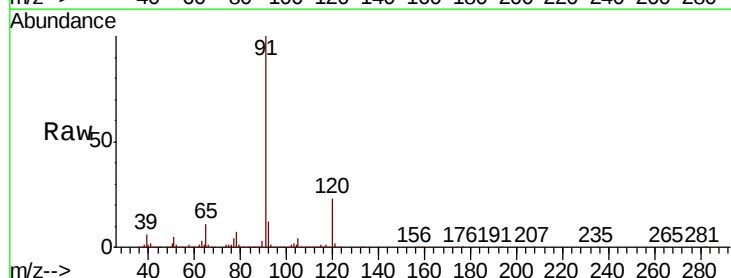
RT: 11.69 min Scan# 1121

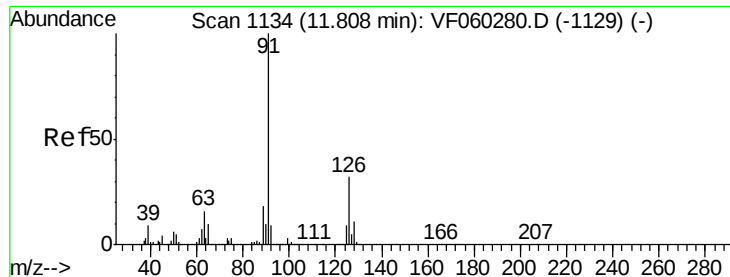
Delta R.T. 0.01 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion:	91	Resp:	1180929
Ion Ratio	Lower	Upper	
91	100		
120	22.6	10.0	29.8





#79

2-Chlorotoluene

Concen: 48.916 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 696455

Ion Ratio Lower Upper

91 100

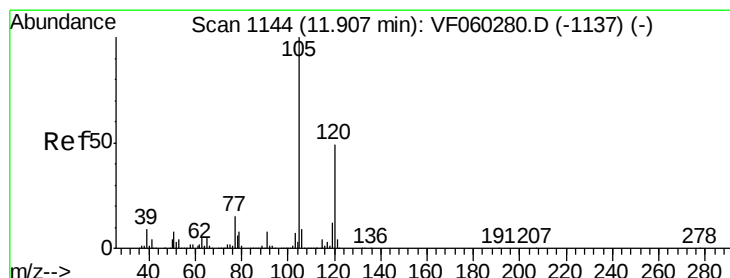
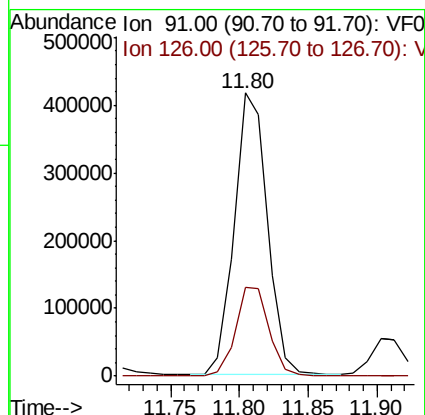
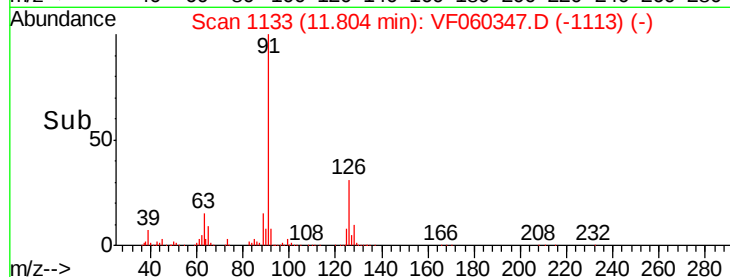
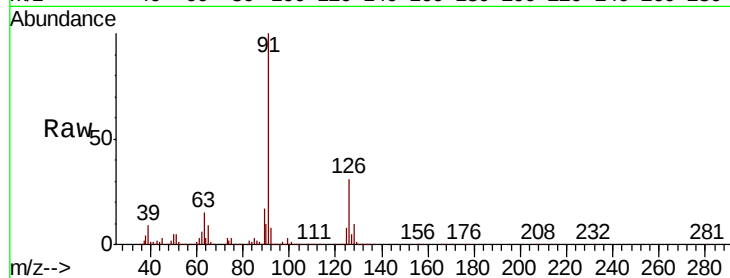
126 31.2 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 49.458 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF060347.D

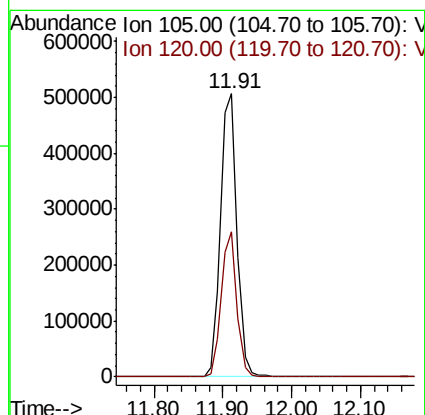
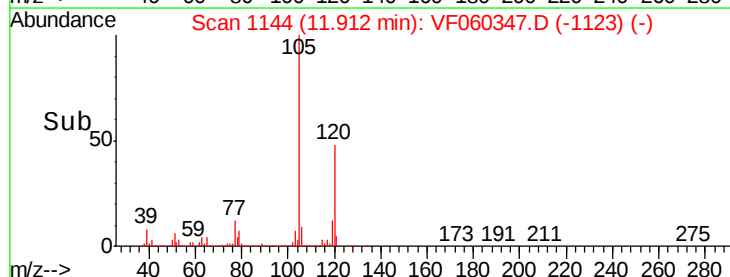
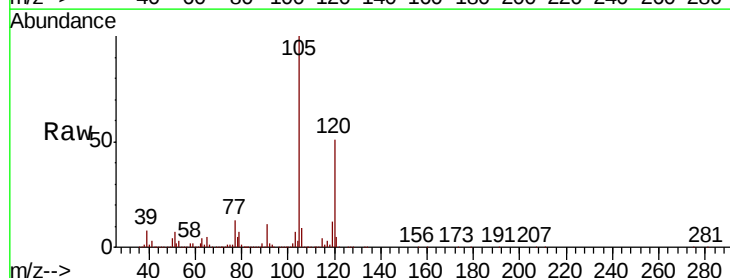
Acq: 26 Sep 2018 12:21

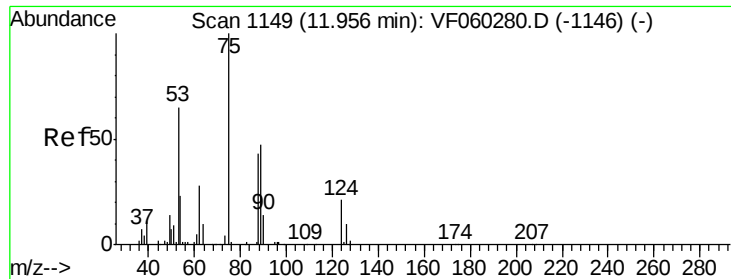
Tgt Ion: 105 Resp: 840311

Ion Ratio Lower Upper

105 100

120 51.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.192 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

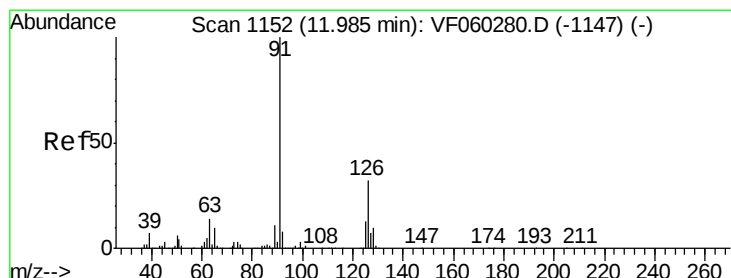
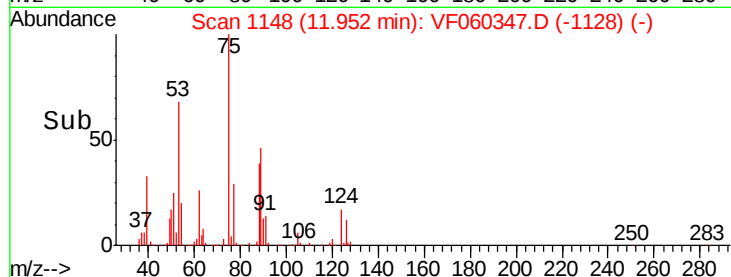
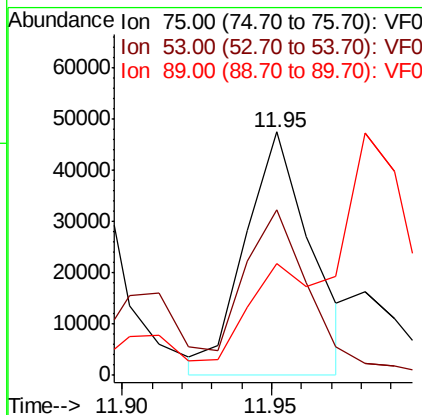
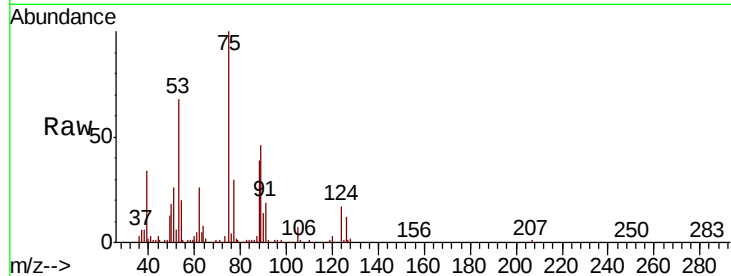
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	72458
Ion	Ratio	Lower	Upper
75	100		
53	68.0	56.5	84.7
89	46.2	40.6	60.8

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#82

4-Chlorotoluene

Concen: 47.336 ug/l

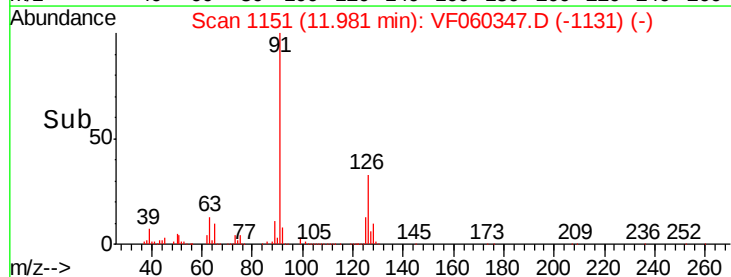
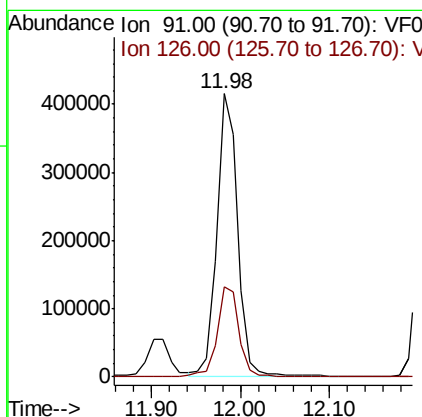
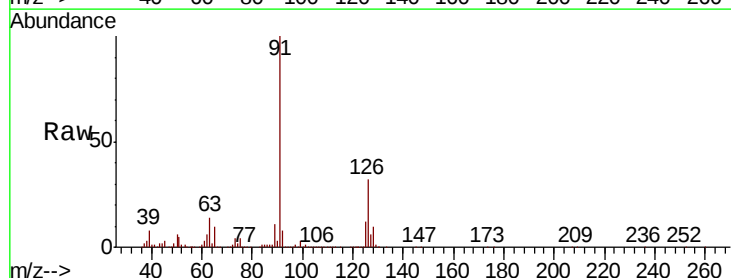
RT: 11.98 min Scan# 1151

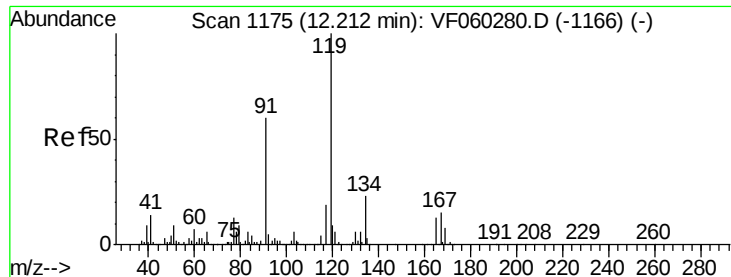
Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion:	91	Resp:	677395
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.1	48.2





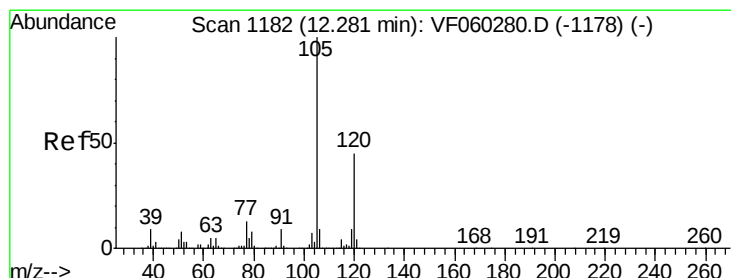
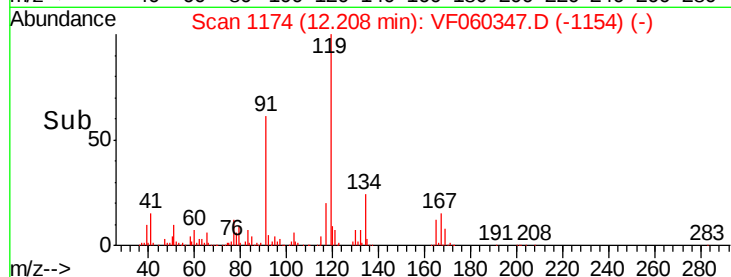
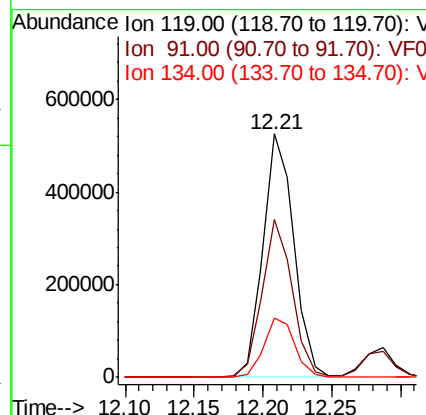
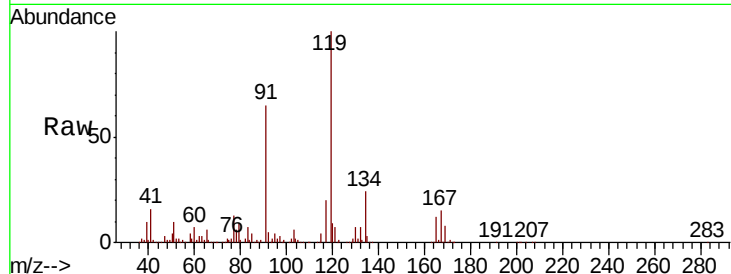
#83
tert-Butylbenzene
Concen: 47.964 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	30.3	91.0
134	24.3	11.6	34.8

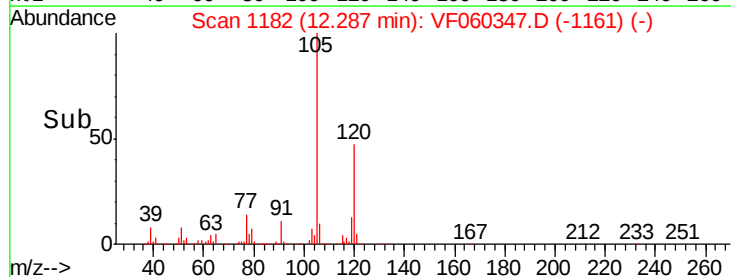
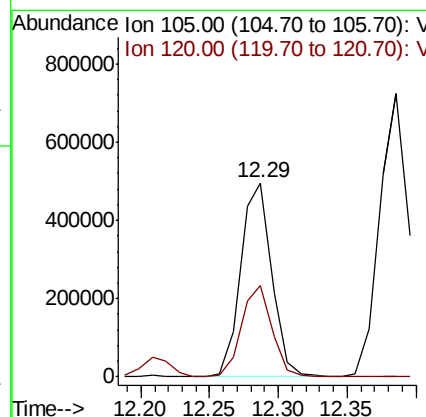
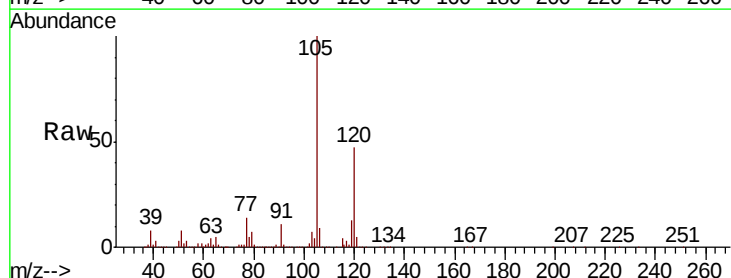
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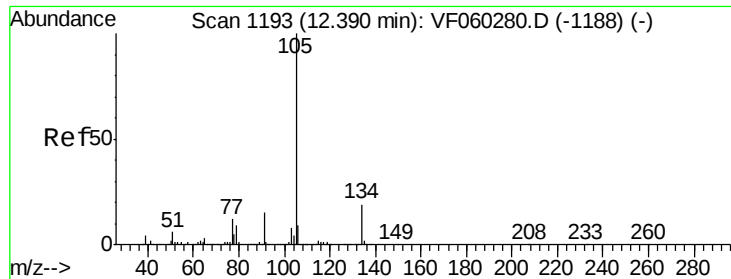
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#84
1,2,4-Trimethylbenzene
Concen: 45.296 ug/l
RT: 12.29 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	22.4	67.0





#85

sec-Butylbenzene

Concen: 54.515 ug/l

RT: 12.39 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1078135

Ion Ratio Lower Upper

105 100

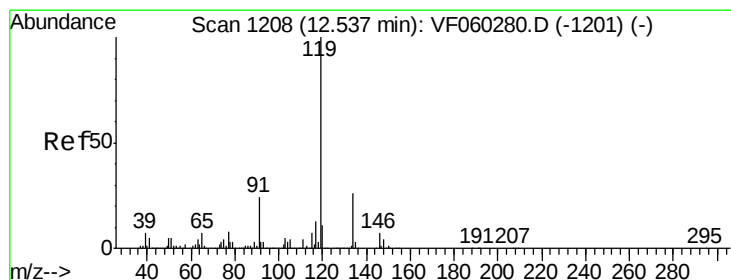
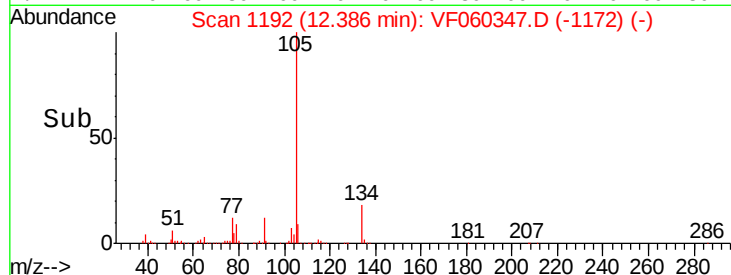
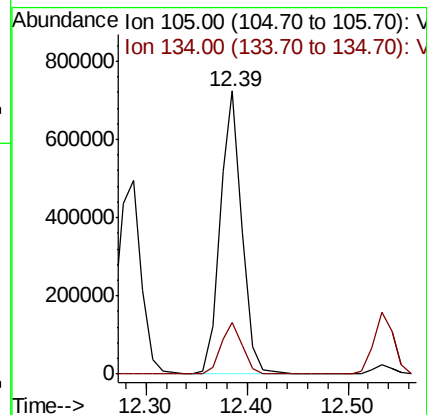
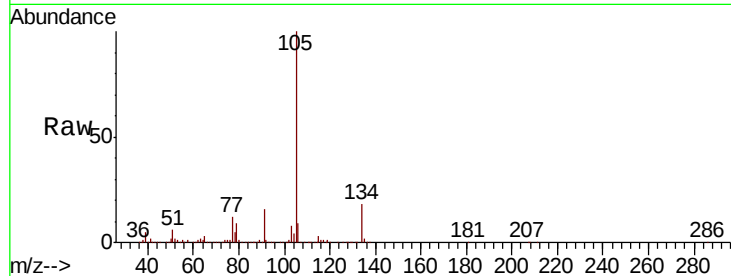
134 18.5 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 55.664 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

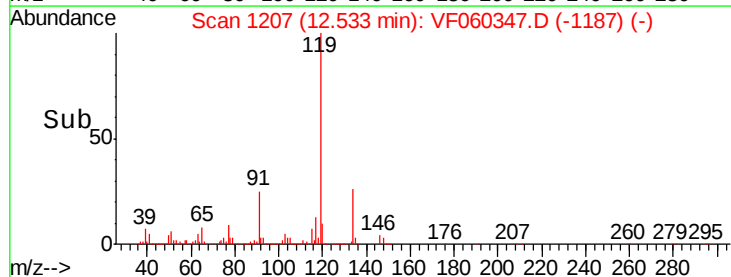
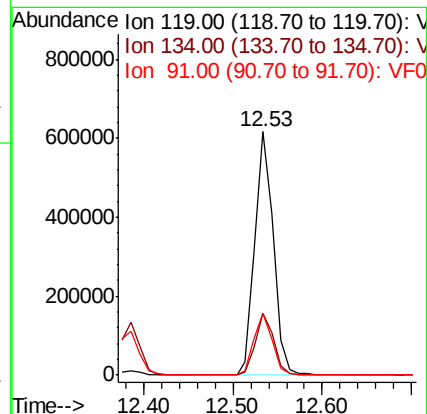
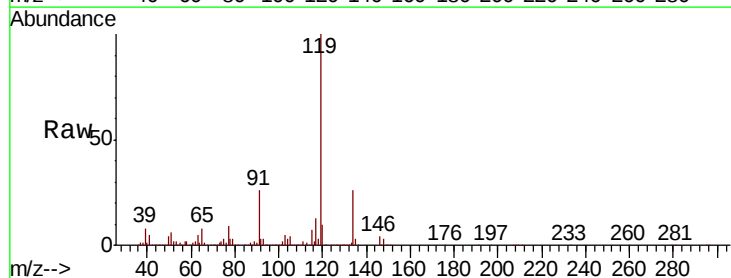
Tgt Ion:119 Resp: 877565

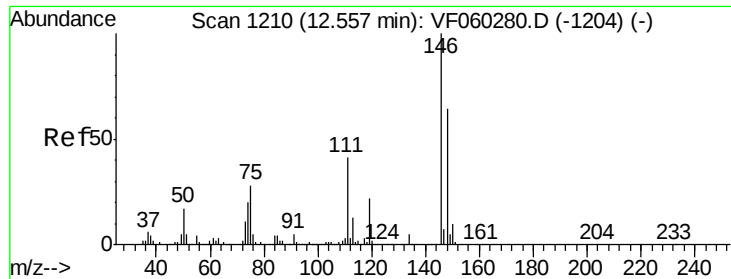
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 25.5 11.9 35.7





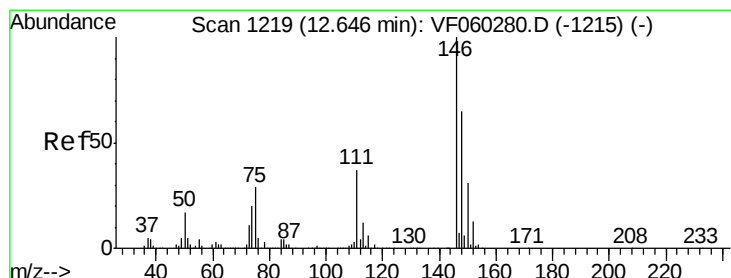
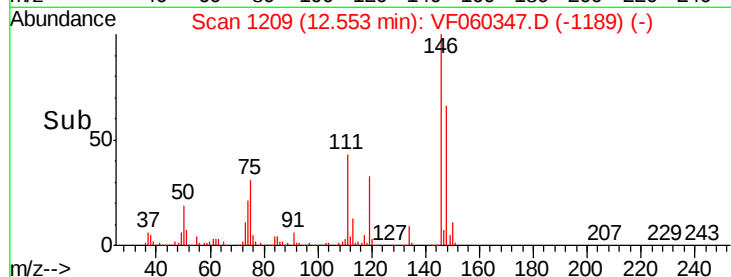
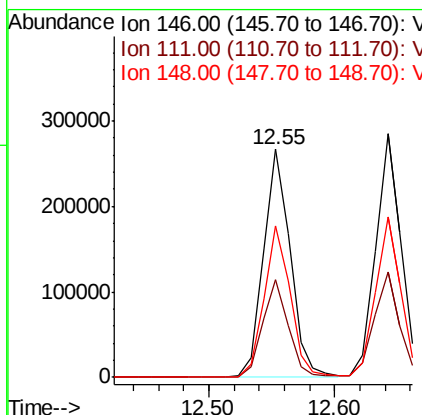
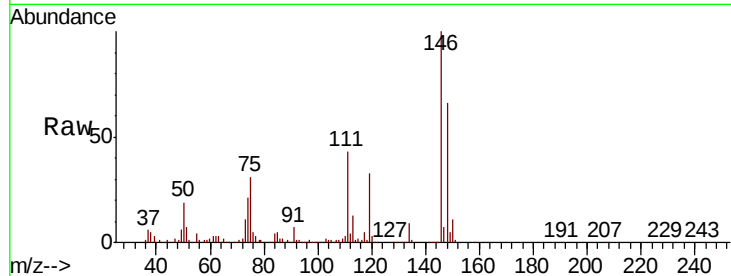
#87
 1,3-Dichlorobenzene
 Concen: 46.491 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	395173		
111	42.6	20.5	61.6	
148	66.4	32.2	96.6	

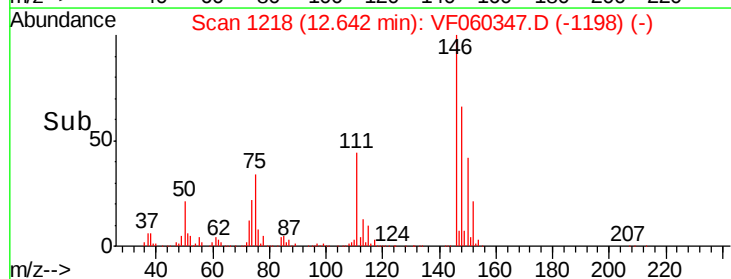
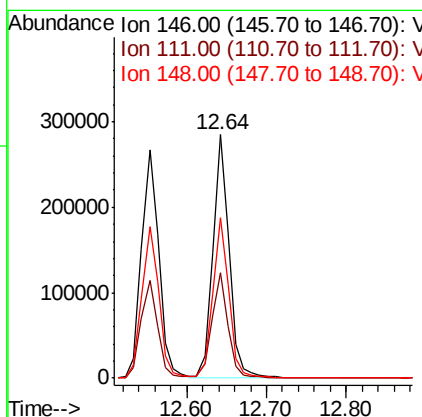
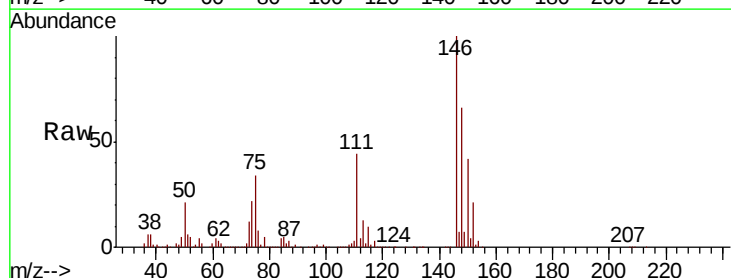
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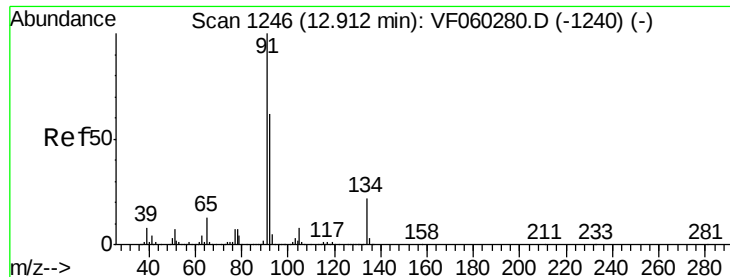
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#88
 1,4-Dichlorobenzene
 Concen: 48.910 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF060347.D
 Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	410917		
111	43.5	18.7	56.1	
148	65.9	32.4	97.0	





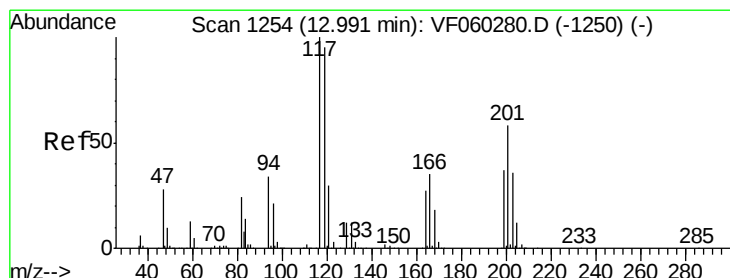
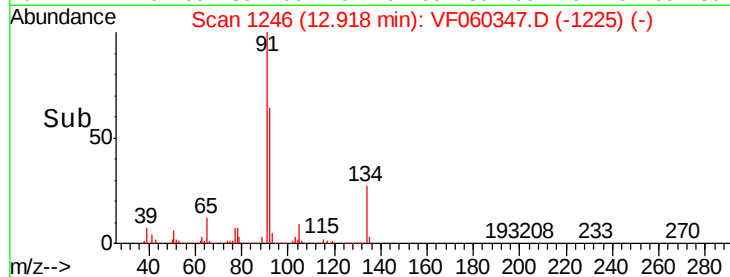
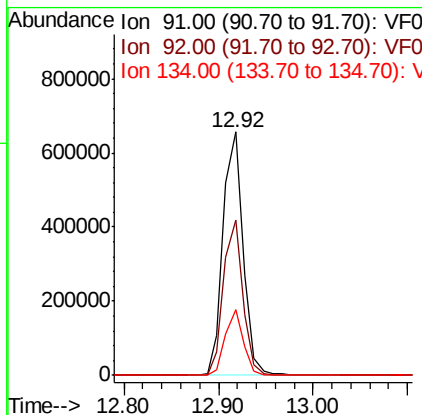
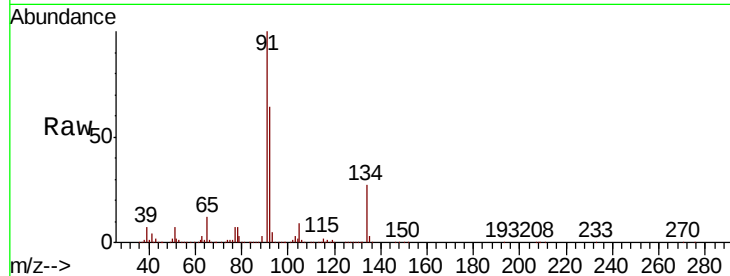
#89
n-Butylbenzene
Concen: 54.431 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.7	31.1	93.5
134	27.1	11.0	33.0

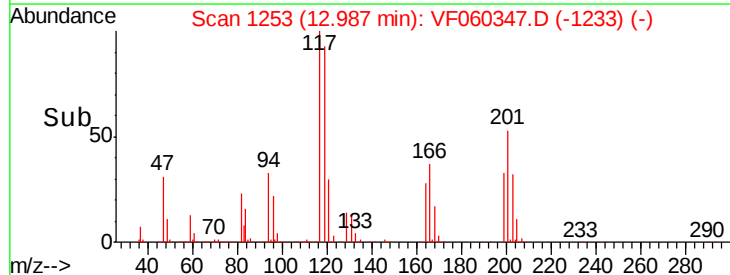
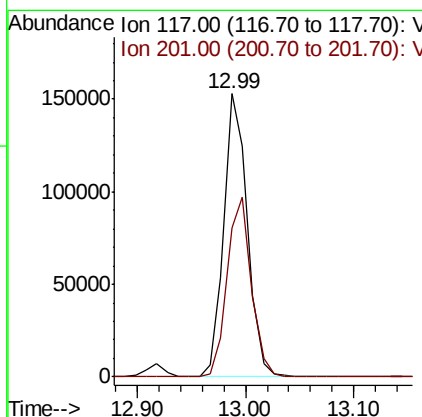
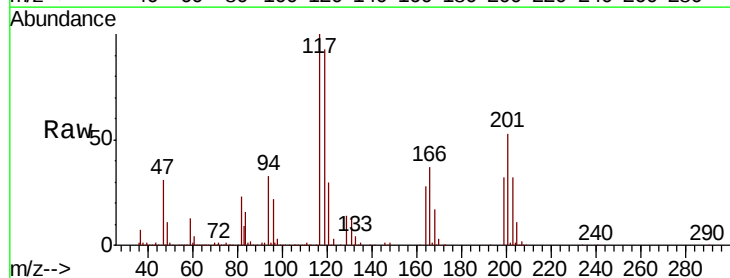
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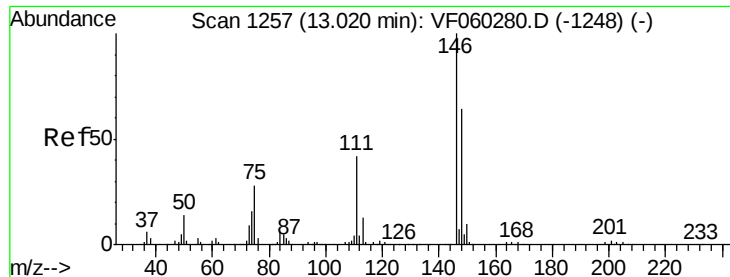
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#90
Hexachloroethane
Concen: 48.117 ug/l
RT: 12.99 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	52.8	29.0	87.0





#91

1,2-Dichlorobenzene

Concen: 47.983 ug/l

RT: 13.02 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Instrument :

MSVOA_F

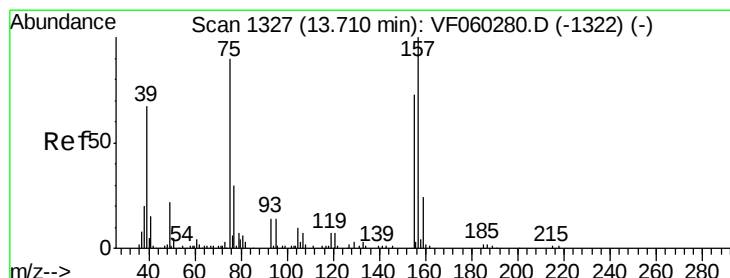
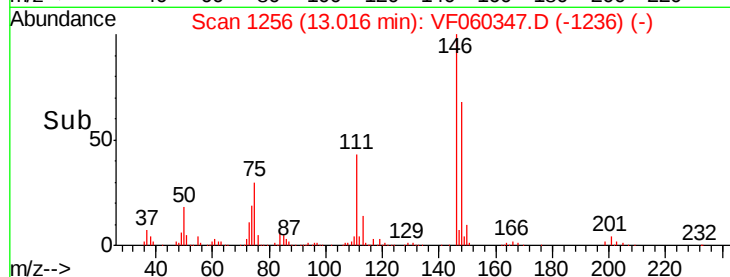
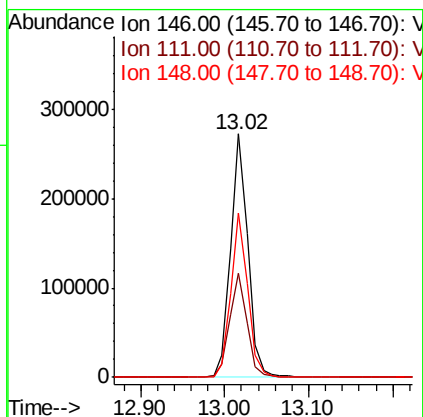
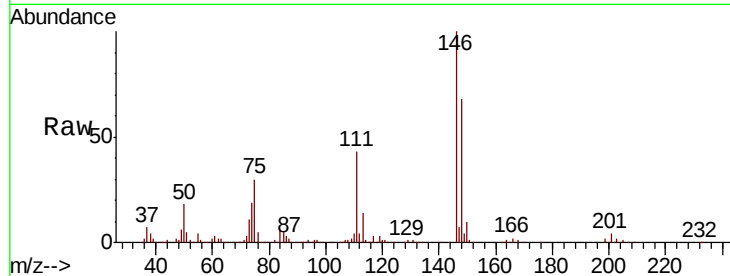
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	389073
Ion Ratio	Lower	Upper	
146	100		
111	42.9	20.9	62.8
148	67.5	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.718 ug/l

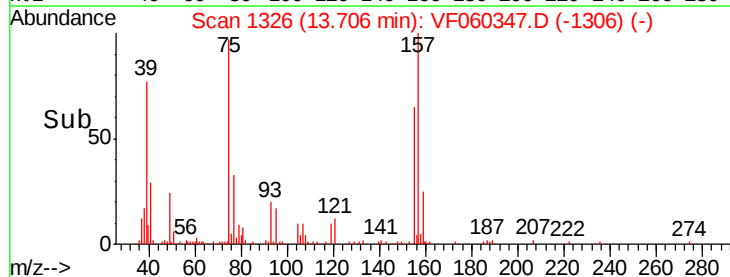
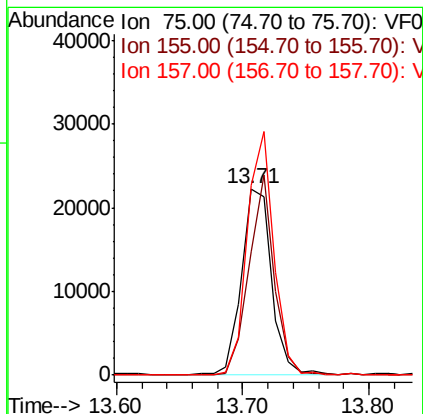
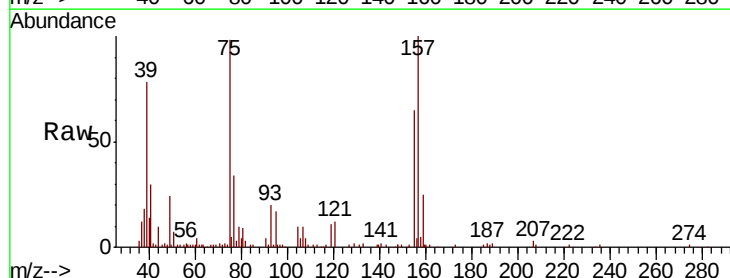
RT: 13.71 min Scan# 1326

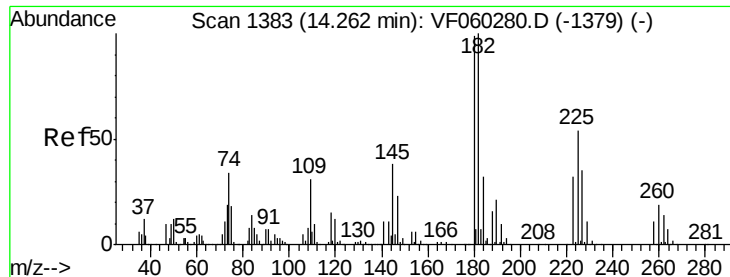
Delta R.T. -0.00 min

Lab File: VF060347.D

Acq: 26 Sep 2018 12:21

Tgt Ion:	75	Resp:	37024
Ion Ratio	Lower	Upper	
75	100		
155	66.4	41.9	125.7
157	102.3	57.4	172.0





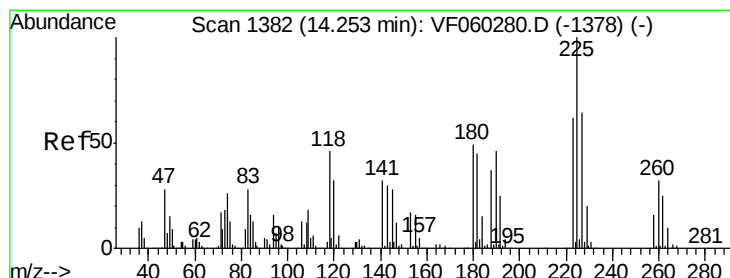
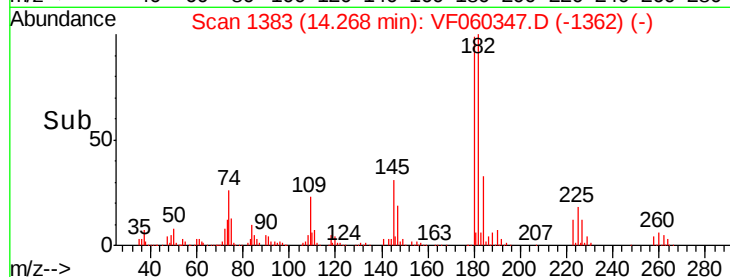
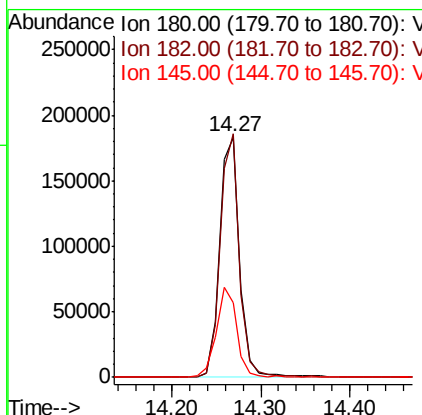
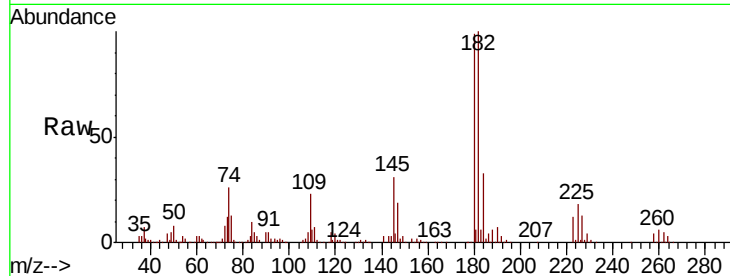
#93
1,2,4-Trichlorobenzene
Concen: 48.970 ug/l
RT: 14.27 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	288611		
182	101.5	50.3	151.0	
145	31.0	18.9	56.9	

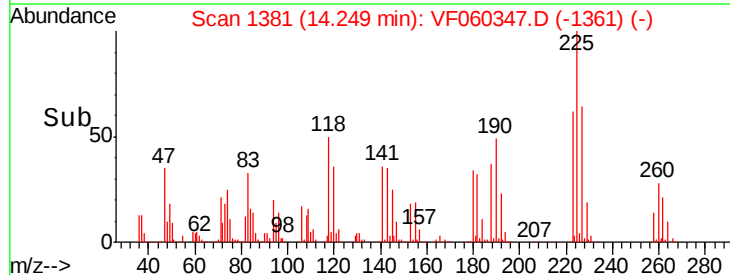
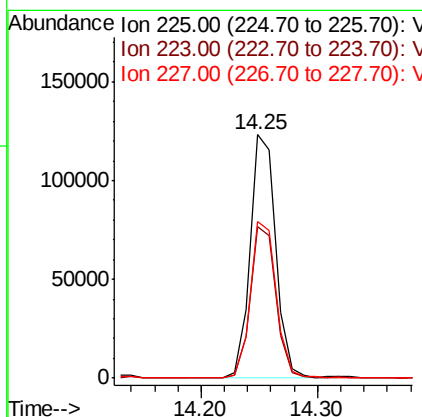
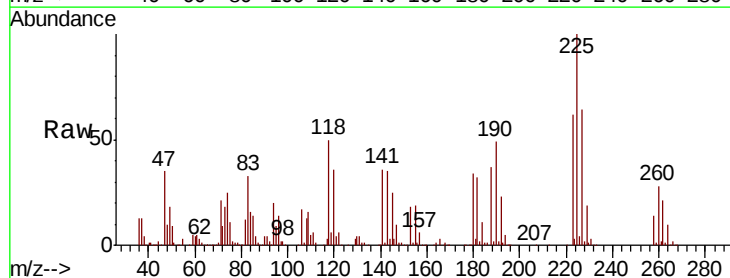
Manual Integrations
APPROVED

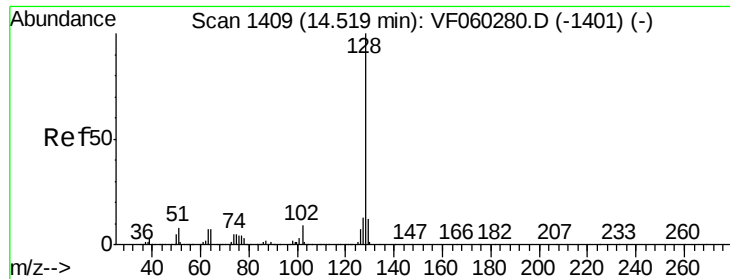
apatel
9/27/2018 9:56:11 AM



#94
Hexachlorobutadiene
Concen: 47.113 ug/l
RT: 14.25 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	187704		
223	62.0	31.2	93.6	
227	64.1	32.2	96.6	





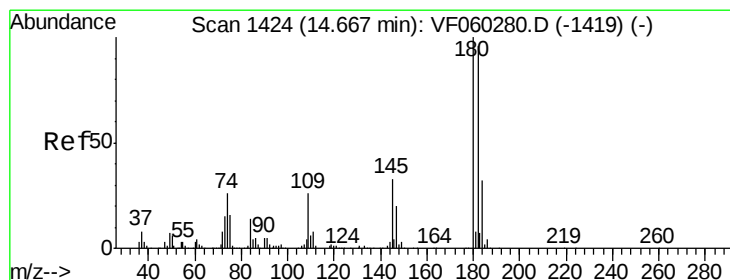
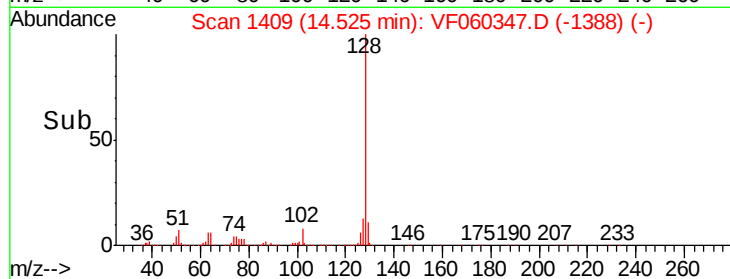
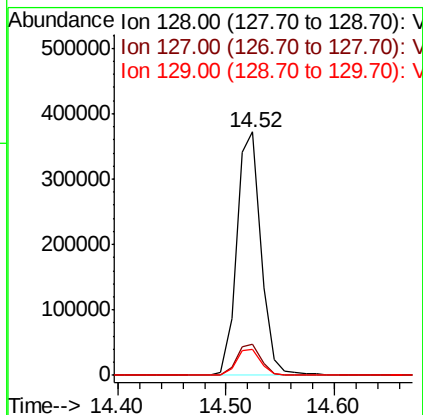
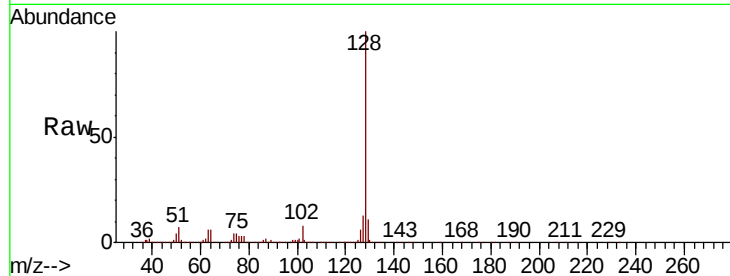
#95
Naphthalene
Concen: 56.252 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.01 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	581253		
127	12.6		10.1	15.1
129	10.8		9.8	14.8

Manual Integrations
APPROVED

apatel
9/27/2018 9:56:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.824 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.00 min
Lab File: VF060347.D
Acq: 26 Sep 2018 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	282226		
182	98.7		47.8	143.4
145	35.8		16.4	49.1

