

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092518\
 Data File : VF060324.D
 Acq On : 25 Sep 2018 13:58
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/26/2018 11:42:12 AM

Quant Time: Sep 26 02:08:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	268023	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	468292	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	407217	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	222798	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	166838	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	
35) Dibromofluoromethane	4.27	113	180676	43.28	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	86.56%	
50) Toluene-d8	7.69	98	480611	44.21	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.42%	
62) 4-Bromofluorobenzene	11.49	95	211152	44.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	209669	52.498	ug/l	96
3) Chloromethane	1.13	50	159374	43.635	ug/l	97
4) Vinyl Chloride	1.17	62	164476	44.186	ug/l	98
5) Bromomethane	1.35	94	118723	57.613	ug/l	97
6) Chloroethane	1.43	64	91694	51.724	ug/l	97
7) Trichlorofluoromethane	1.54	101	367731	53.027	ug/l	95
8) Diethyl Ether	1.70	74	54674	47.388	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.89	101	183051	49.633	ug/l	97
10) Methyl Iodide	1.96	142	287579m	48.354	ug/l	
11) Tert butyl alcohol	2.66	59	58567	293.696	ug/l	95
12) 1,1-Dichloroethene	1.85	96	153802	50.426	ug/l	82
13) Acrolein	2.08	56	18503	289.690	ug/l	96
14) Allyl chloride	2.18	41	251357	47.225	ug/l	95
15) Acrylonitrile	3.06	53	136379	267.559	ug/l	96
16) Acetone	2.33	43	275960	271.513	ug/l	98
17) Carbon Disulfide	1.87	76	401305	52.700	ug/l	97
18) Methyl Acetate	2.44	43	85180	50.307	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	378463	49.774	ug/l	100
20) Methylene Chloride	2.27	84	151721m	56.188	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	149377	47.418	ug/l	100
22) Diisopropyl ether	2.91	45	487987	48.594	ug/l	98
23) Vinyl Acetate	3.31	43	919326	233.090	ug/l	100
24) 1,1-Dichloroethane	2.99	63	329628	50.613	ug/l	99
25) 2-Butanone	4.49	43	318607	232.894	ug/l	99
26) 2,2-Dichloropropane	3.74	77	177801	47.847	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	183123	44.248	ug/l	92
28) Bromochloromethane	3.87	49	115971	45.737	ug/l	91
29) Tetrahydrofuran	4.23	42	105869	211.324	ug/l	99
30) Chloroform	4.01	83	376713	47.938	ug/l	97
31) Cyclohexane	3.85	56	227841	41.417	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	294328	47.467	ug/l	97
36) 1,1-Dichloropropene	4.44	75	258971	44.335	ug/l	96
37) Ethyl Acetate	4.26	43	96338	38.978	ug/l #	72
38) Carbon Tetrachloride	4.15	117	274744	43.790	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.61	83	281051	44.394	ug/l	94
40) Benzene	4.79	78	567621	42.855	ug/l	100
41) Methacrylonitrile	4.89	41	54956	40.977	ug/l	91
42) 1,2-Dichloroethane	5.10	62	233539	47.904	ug/l	100
43) Isopropyl Acetate	7.09	43	126242	42.427	ug/l	96
44) Trichloroethene	5.66	130	184015	46.683	ug/l	97
45) 1,2-Dichloropropane	6.38	63	157928	46.072	ug/l	99
46) Dibromomethane	6.23	93	113856	46.467	ug/l	94
47) Bromodichloromethane	6.53	83	289289	49.129	ug/l	96
48) Methyl methacrylate	6.85	41	91432	43.775	ug/l	96
49) 1,4-Dioxane	6.84	88	17262	925.063	ug/l #	84
51) 4-Methyl-2-Pentanone	8.38	43	621713	271.097	ug/l	99
52) Toluene	7.76	92	379828	45.330	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	221489	46.632	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	262380	43.850	ug/l	100
55) 1,1,2-Trichloroethane	8.62	97	121660	47.838	ug/l	93
56) Ethyl methacrylate	8.74	69	153139	49.859	ug/l	91
57) 1,3-Dichloropropane	8.98	76	199977	47.490	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.76	63	62342	229.600	ug/l	100
59) 2-Hexanone	9.61	43	452735	277.265	ug/l	100
60) Dibromochloromethane	8.84	129	180672	47.665	ug/l	91
61) 1,2-Dibromoethane	9.12	107	131580	46.462	ug/l	99
64) Tetrachloroethene	8.29	164	164616	44.593	ug/l	95
65) Chlorobenzene	9.93	112	437687	47.423	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	186866	48.788	ug/l	96
67) Ethyl Benzene	10.03	91	800511	46.911	ug/l	97
68) m/p-Xylenes	10.25	106	553882	93.948	ug/l	97
69) o-Xylene	10.81	106	327549	49.533	ug/l	94
70) Styrene	10.88	104	453746	48.656	ug/l	96
71) Bromoform	10.87	173	100855	47.946	ug/l	96
73) Isopropylbenzene	11.22	105	928946	46.445	ug/l	97
74) N-amyl acetate	11.46	43	207956	48.757	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	171467	48.373	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	117521	46.304	ug/l	84
77) Bromobenzene	11.58	156	194558	45.136	ug/l	96
78) n-propylbenzene	11.67	91	1102506	57.122	ug/l	98
79) 2-Chlorotoluene	11.80	91	622853	46.165	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	782555	48.605	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	61854m	46.116	ug/l	
82) 4-Chlorotoluene	11.98	91	639145	47.132	ug/l	98
83) tert-Butylbenzene	12.20	119	775943	47.542	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	762974	46.669	ug/l	96
85) sec-Butylbenzene	12.38	105	1073199	57.771	ug/l	99
86) p-Isopropyltoluene	12.53	119	834594	55.899	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	359555	44.639	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	364441	45.776	ug/l	96
89) n-Butylbenzene	12.90	91	880893	52.279	ug/l	99
90) Hexachloroethane	12.98	117	227891	49.899	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	362722	47.206	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	31072	46.689	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	258687	46.319	ug/l	98
94) Hexachlorobutadiene	14.25	225	184108	48.765	ug/l	97
95) Naphthalene	14.51	128	506018	51.678	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	259790	50.341	ug/l	100

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

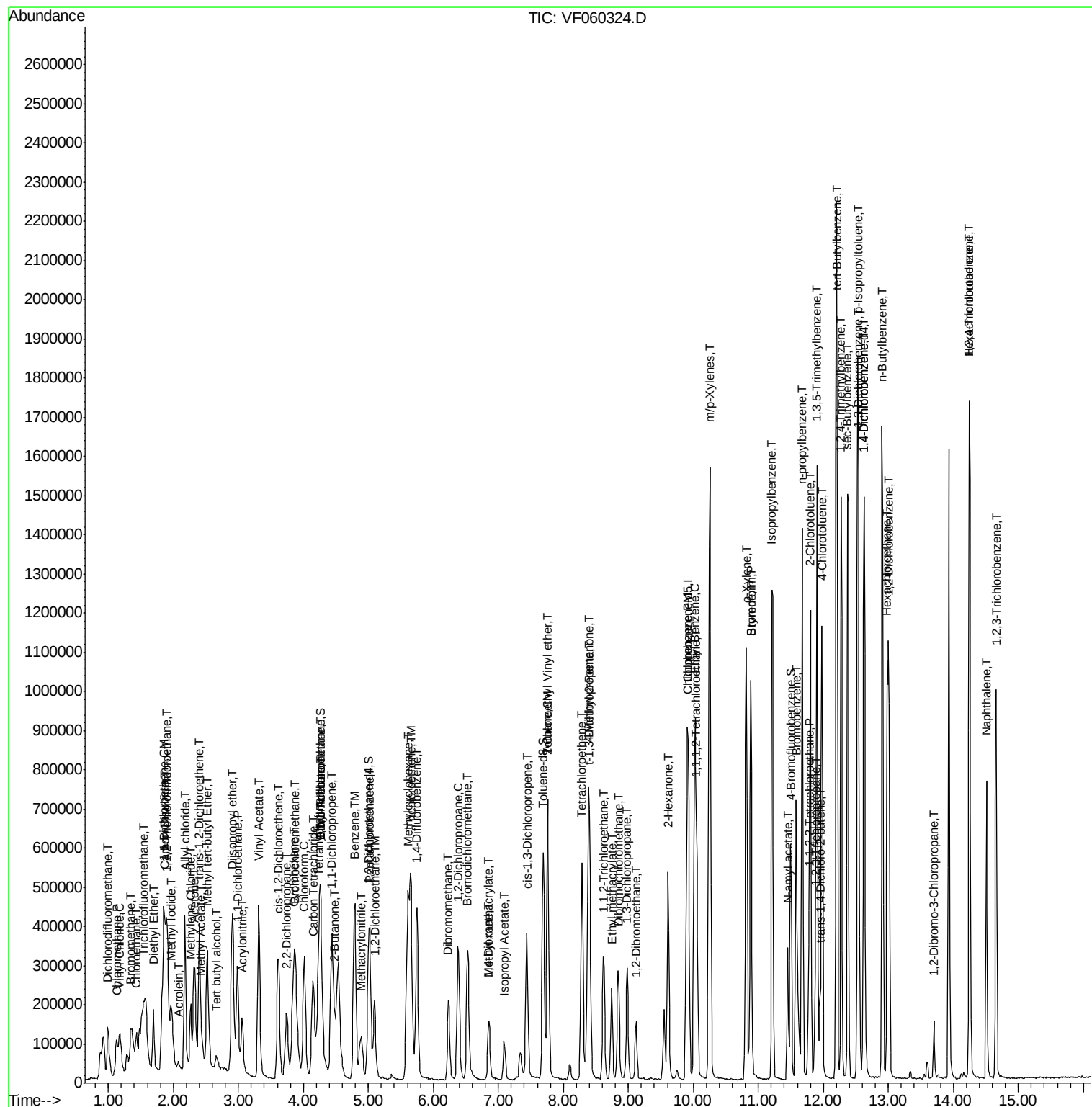
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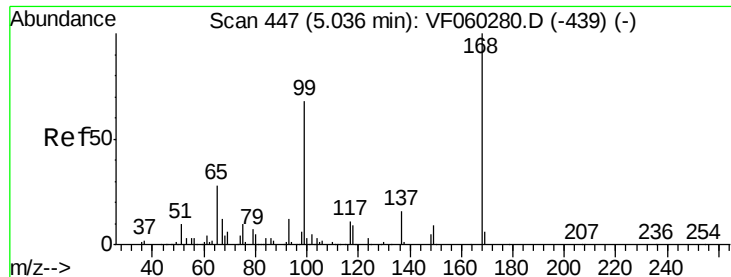
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.02 min

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Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 268023

Ion Ratio Lower Upper

168 100

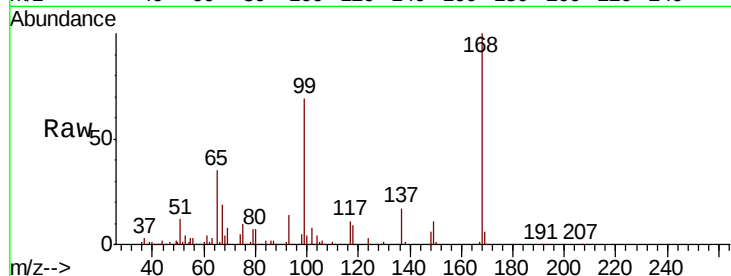
99 68.7 54.8 82.2

Manual Integrations

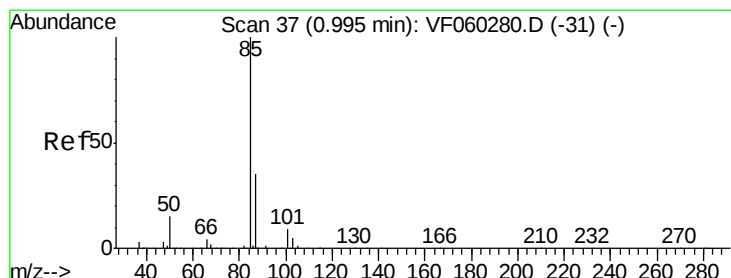
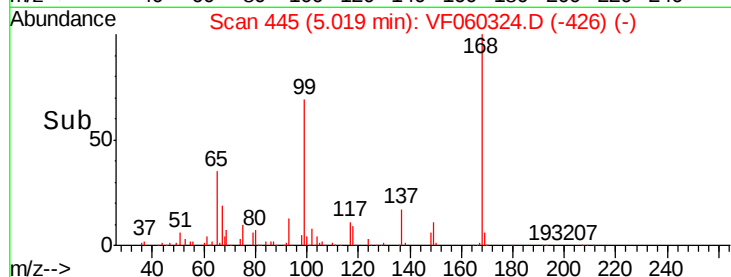
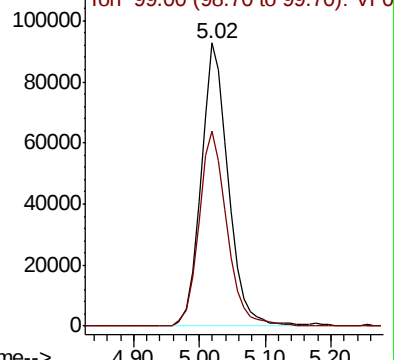
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 52.498 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060324.D

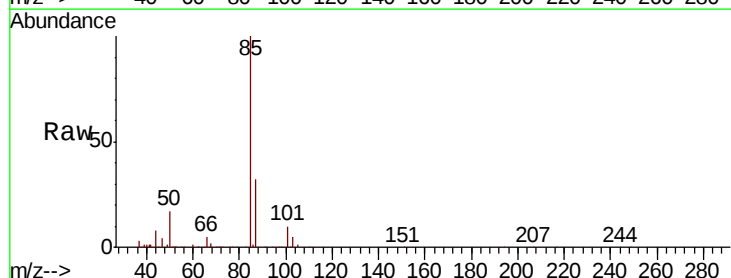
Acq: 25 Sep 2018 13:58

Tgt Ion: 85 Resp: 209669

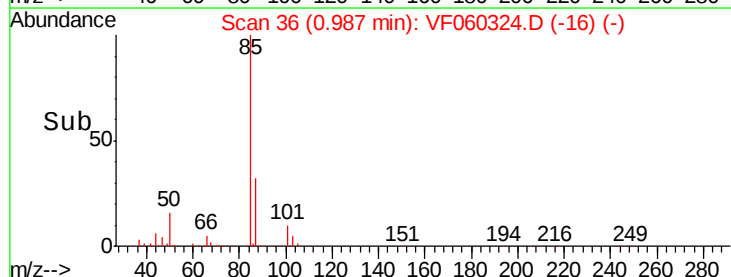
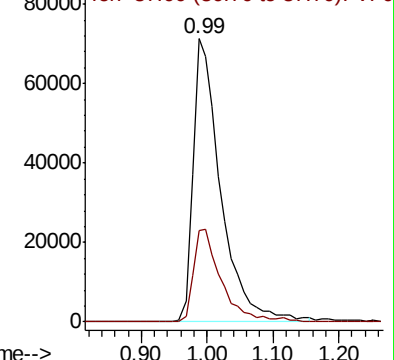
Ion Ratio Lower Upper

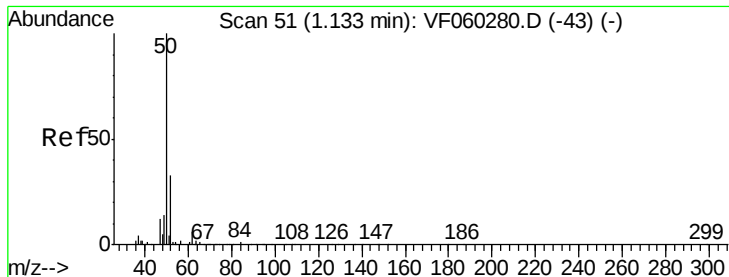
85 100

87 32.1 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 43.635 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 159374

Ion Ratio Lower Upper

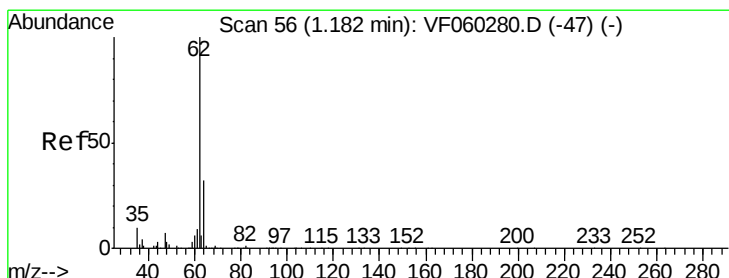
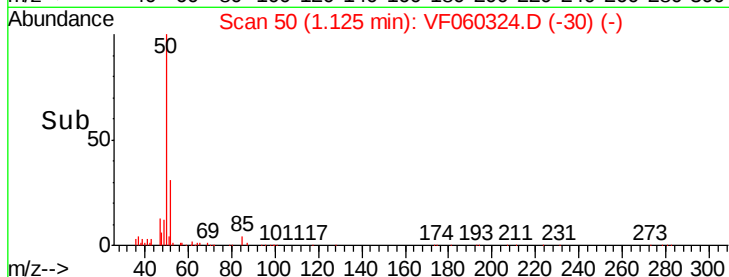
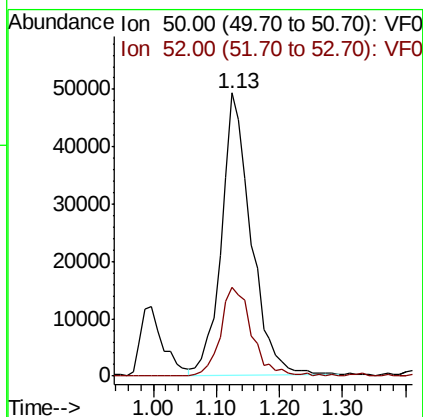
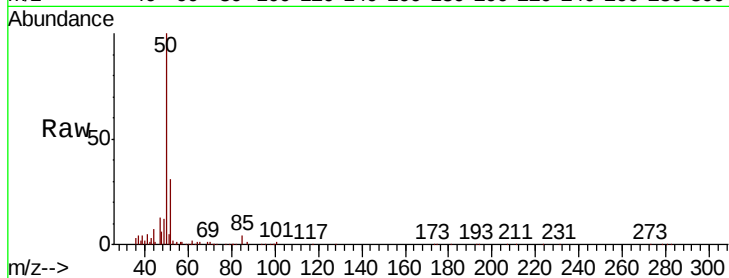
50 100

52 31.4 26.5 39.7

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#4

Vinyl Chloride

Concen: 44.186 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060324.D

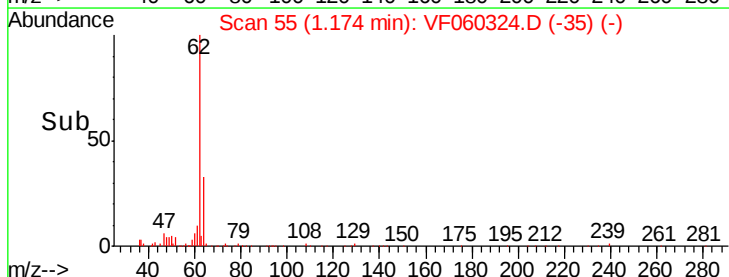
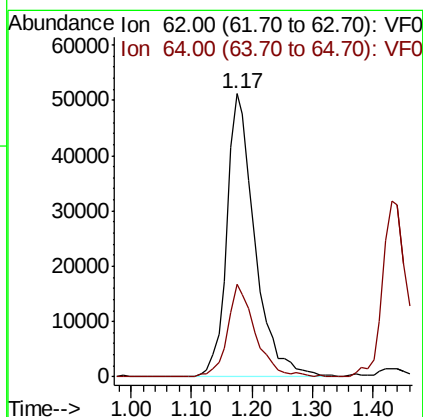
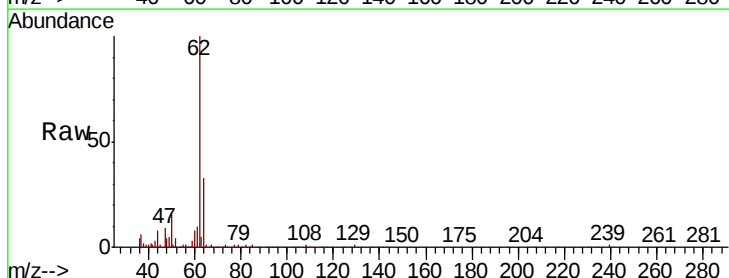
Acq: 25 Sep 2018 13:58

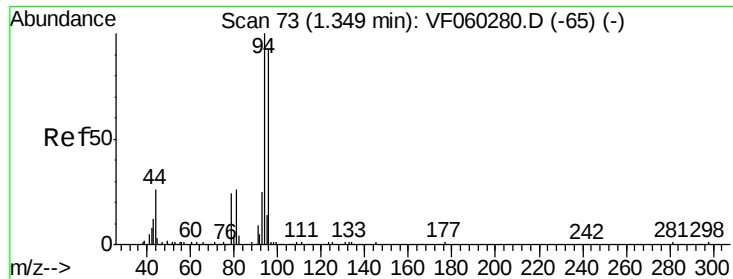
Tgt Ion: 62 Resp: 164476

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8





#5

Bromomethane

Concen: 57.613 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

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Tot Ion: 94 Resp: 118723

Ion Ratio Lower Upper

94 100

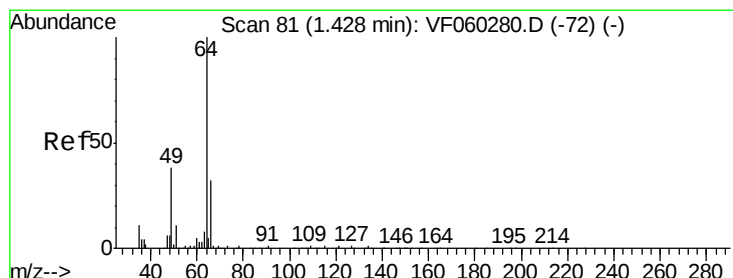
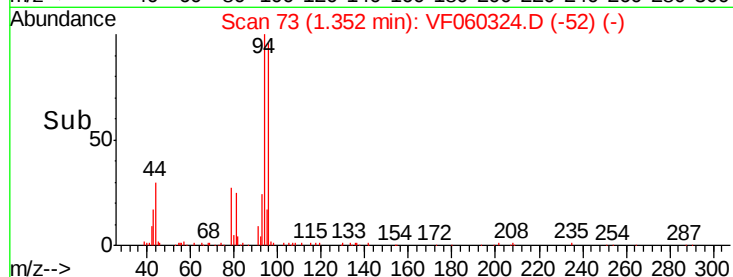
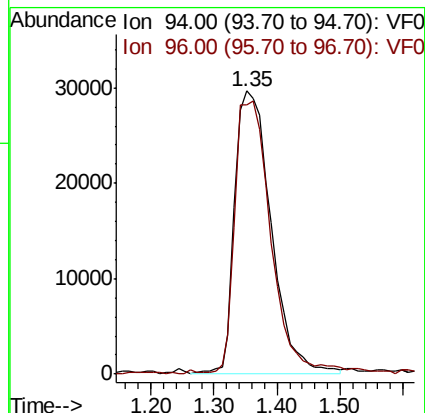
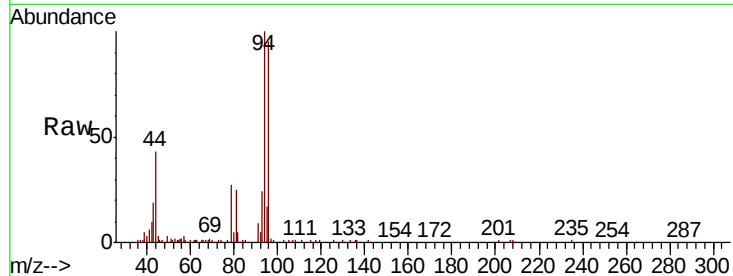
96 95.2 73.9 110.9

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#6

Chloroethane

Concen: 51.724 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

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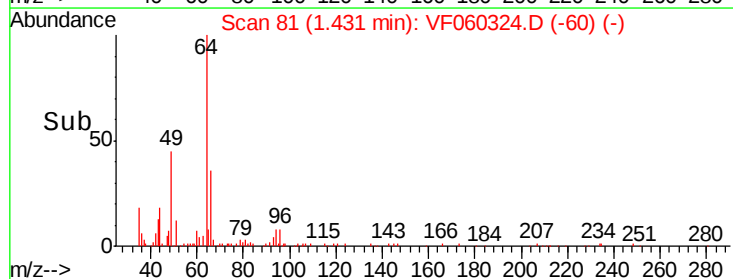
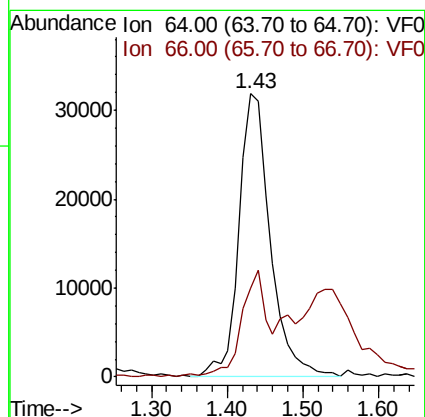
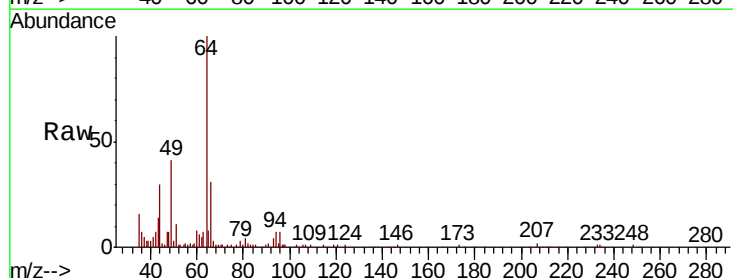
Acq: 25 Sep 2018 13:58

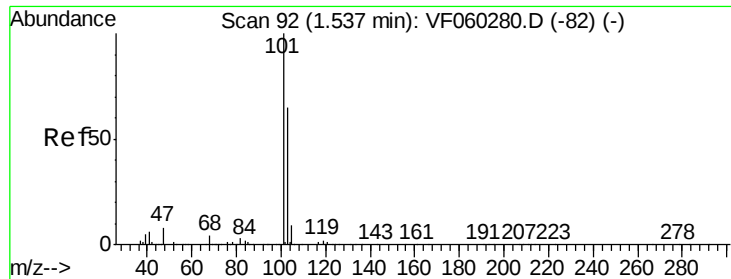
Tgt Ion: 64 Resp: 91694

Ion Ratio Lower Upper

64 100

66 31.2 26.2 39.2





#7

Trichlorofluoromethane

Concen: 53.027 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.00 min

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Tot Ion:101 Resp: 367731

Ion Ratio Lower Upper

101 100

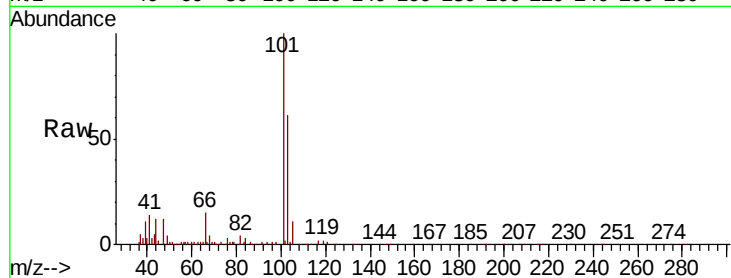
103 61.4 52.0 78.0

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.54

80000

60000

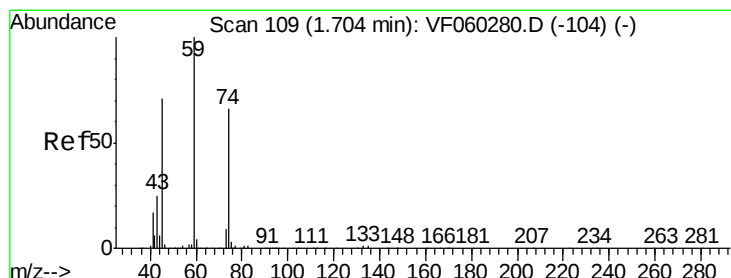
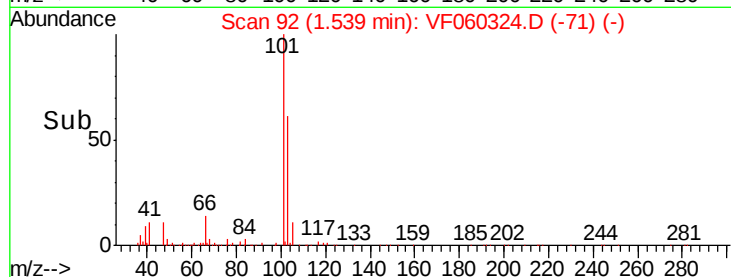
40000

20000

0

Time-->

1.30 1.40 1.50 1.60 1.70



#8

Diethyl Ether

Concen: 47.388 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060324.D

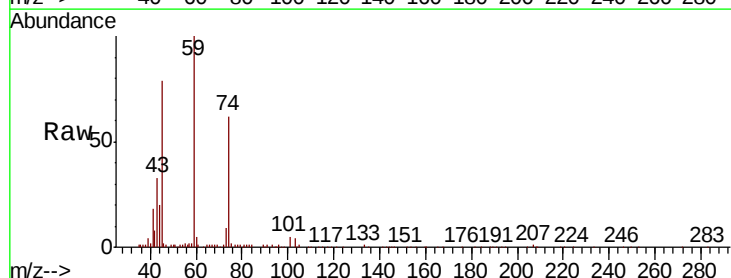
Acq: 25 Sep 2018 13:58

Tgt Ion: 74 Resp: 54674

Ion Ratio Lower Upper

74 100

45 127.7 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

40000

30000

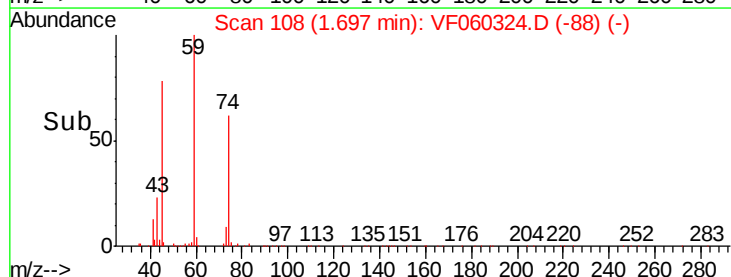
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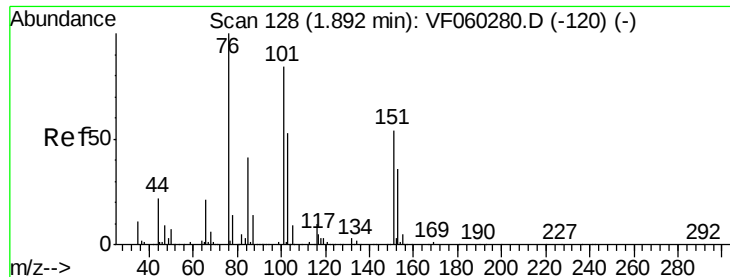
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0

Time-->

1.60 1.70 1.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.633 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060324.D

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Instrument :

MSVOA_F

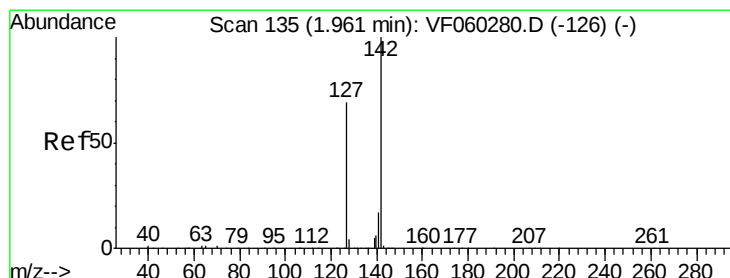
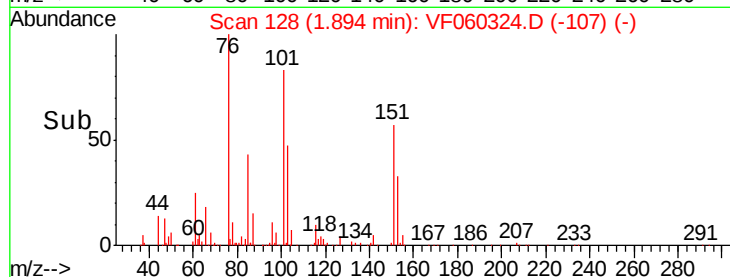
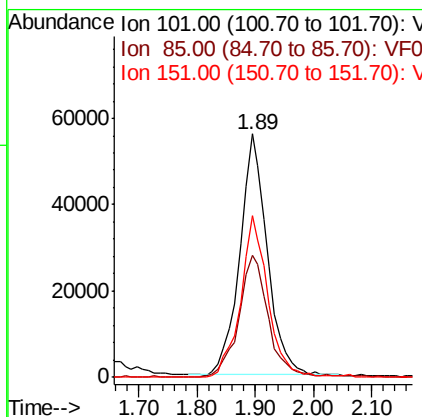
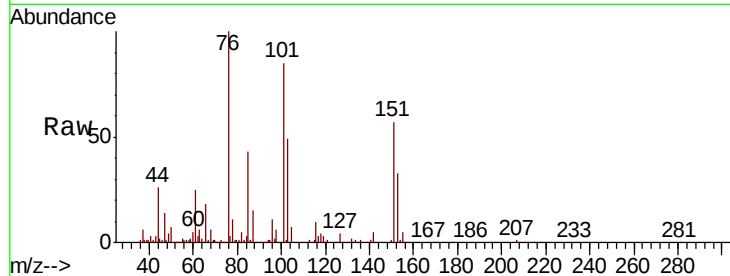
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	183051
Ion Ratio	Lower	Upper	
101	100		
85	49.9	38.7	58.1
151	66.6	50.8	76.2

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#10

Methyl Iodide

Concen: 48.354 ug/l m

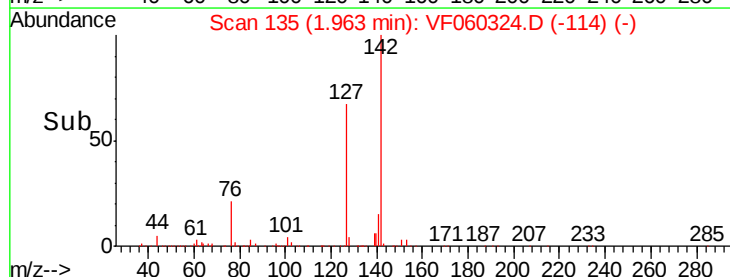
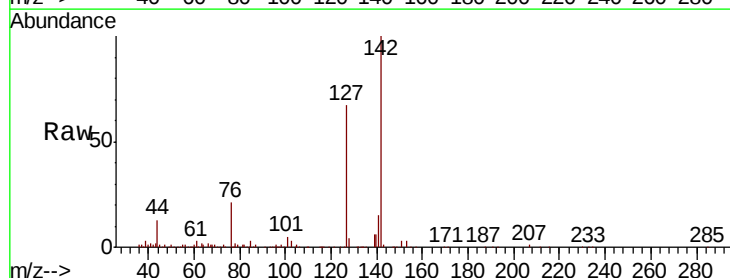
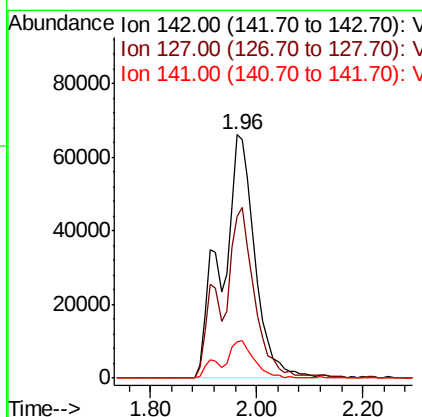
RT: 1.96 min Scan# 135

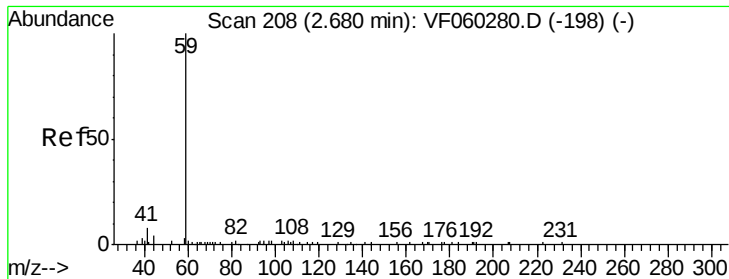
Delta R.T. 0.00 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Tgt Ion:	142	Resp:	287579
Ion Ratio	Lower	Upper	
142	100		
127	66.5	55.4	83.0
141	14.8	13.3	19.9





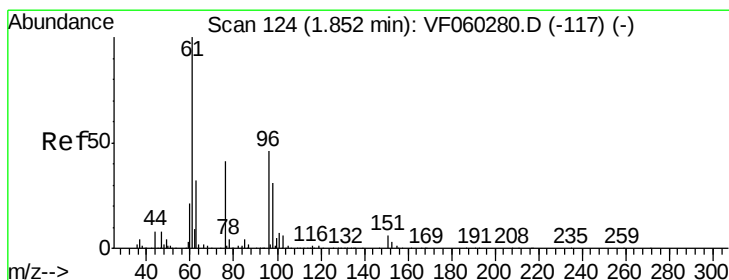
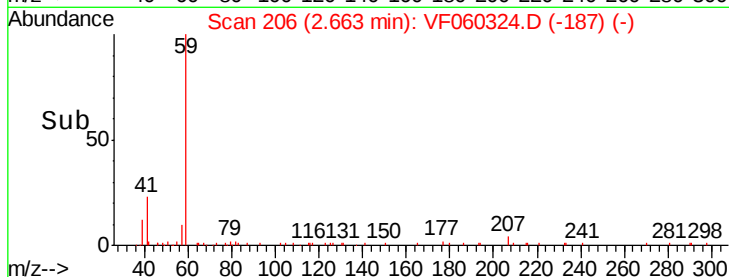
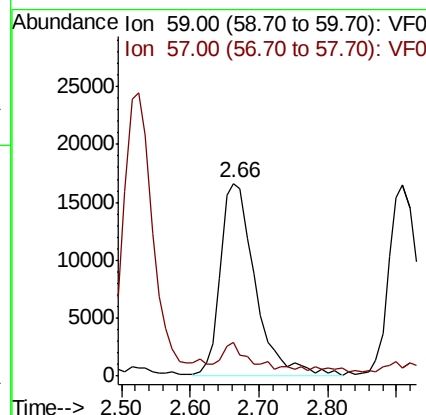
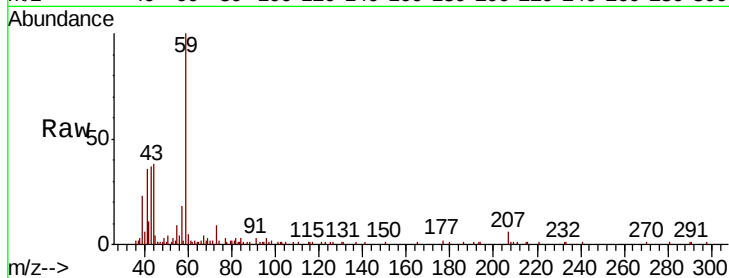
#11
Tert butyl alcohol
Concen: 293.696 ug/l
RT: 2.66 min Scan# 206
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59.00 (58.70 to 59.70): VF0	Resp	58567
Ion Ratio	Lower	Upper	
59	100		
57	17.5	12.4	18.6

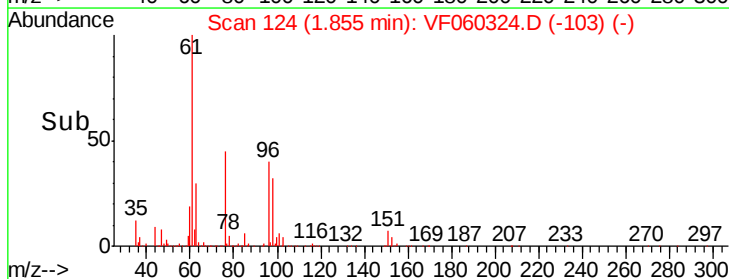
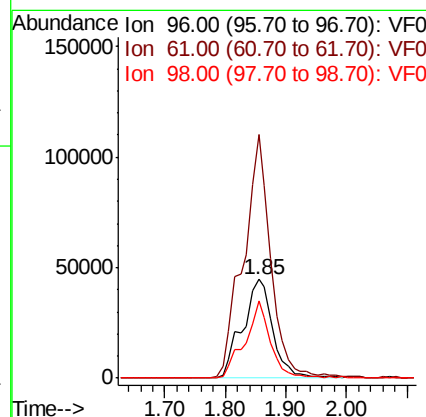
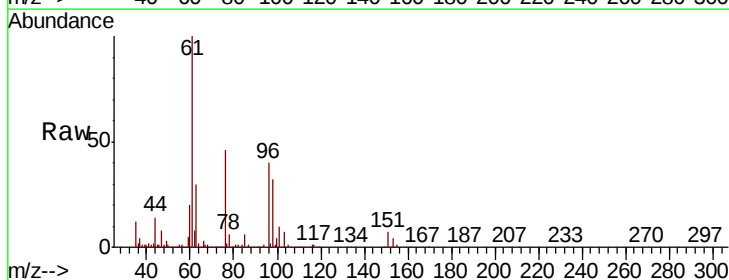
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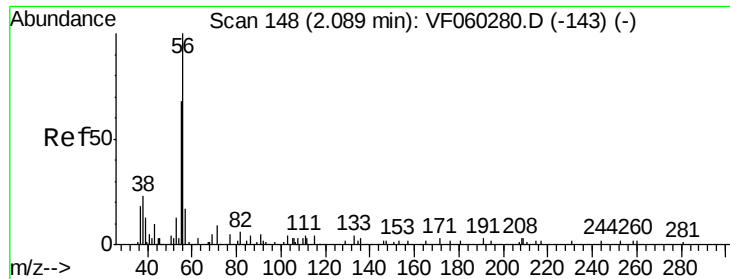
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#12
1,1-Dichloroethene
Concen: 50.426 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	96.00 (95.70 to 96.70): VF0	Resp	153802
Ion Ratio	Lower	Upper	
96	100		
61	247.3	172.2	258.2
98	78.1	54.1	81.1





#13

Acrolein

Concen: 289.690 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 18503

Ion Ratio Lower Upper

56 100

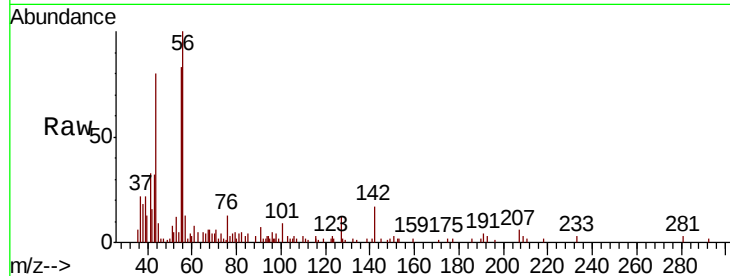
55 83.3 69.9 104.9

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.08

8000

6000

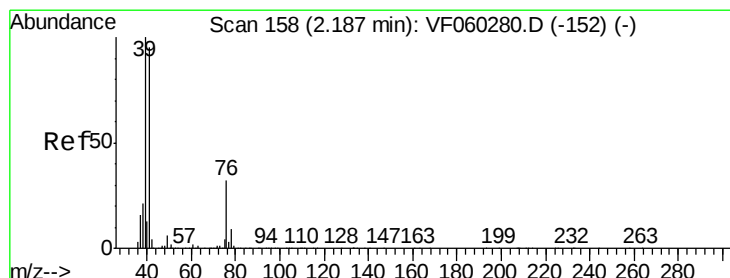
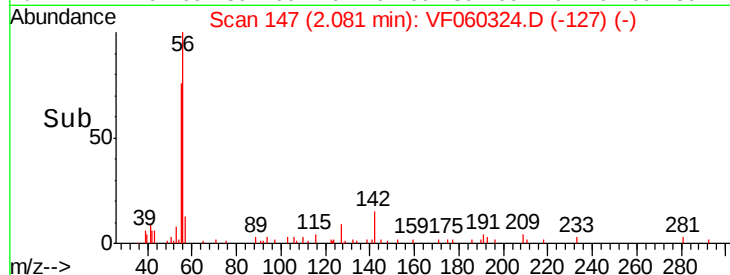
4000

2000

0

Time-->

2.00 2.10 2.20



#14

Allyl chloride

Concen: 47.225 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

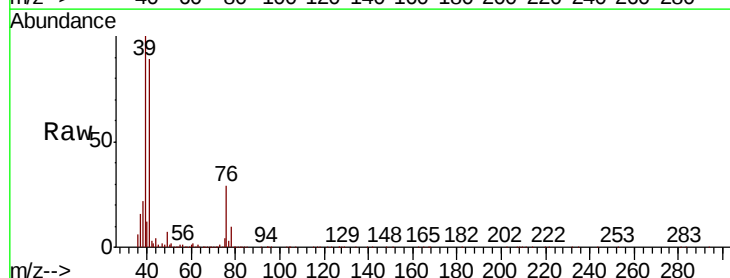
Tgt Ion: 41 Resp: 251357

Ion Ratio Lower Upper

41 100

39 111.8 84.8 127.2

76 32.1 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

150000

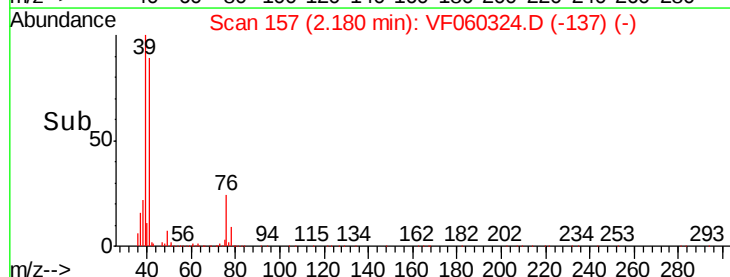
100000

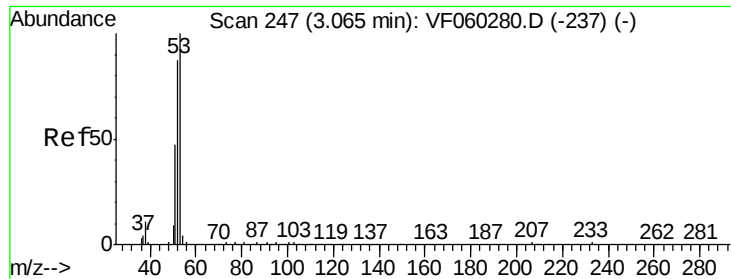
50000

0

Time-->

2.10 2.20 2.30





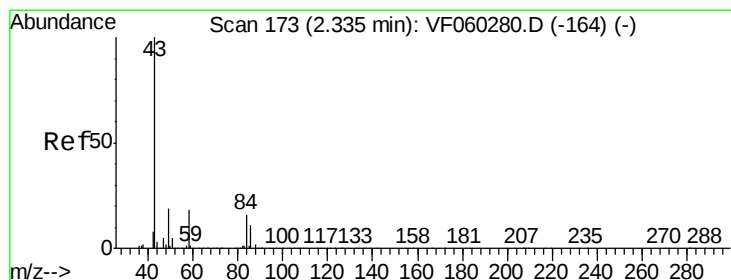
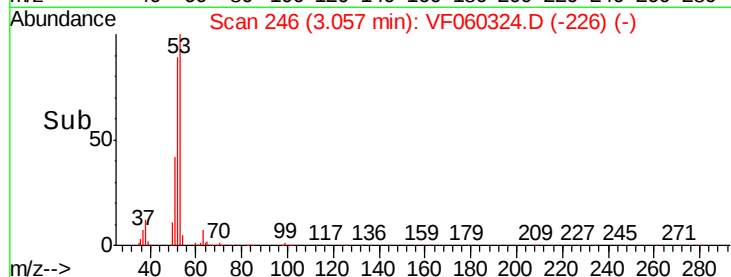
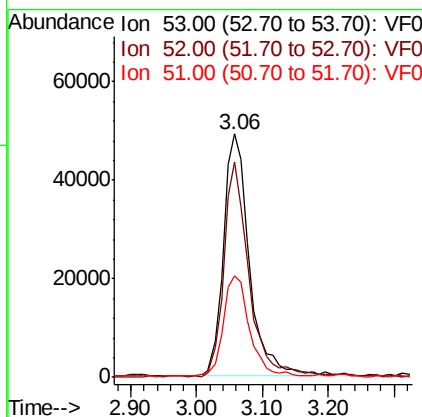
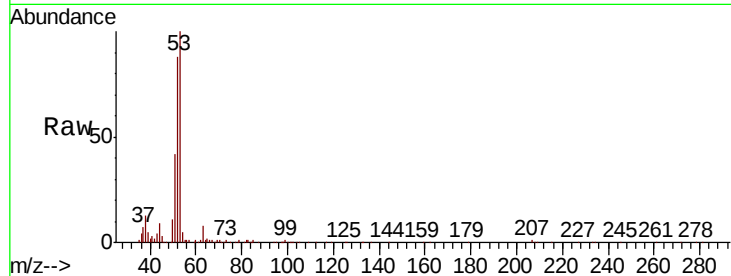
#15
 Acrylonitrile
 Concen: 267.559 ug/l
 RT: 3.06 min Scan# 246
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	136379
Ion	Ratio	Lower	Upper
53	100		
52	88.5	69.5	104.3
51	41.8	38.1	57.1

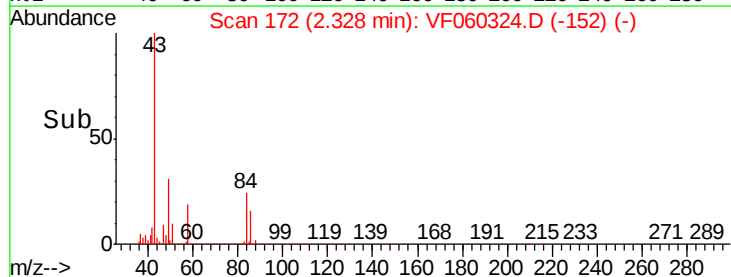
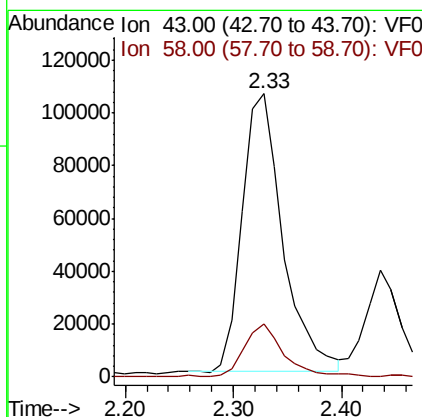
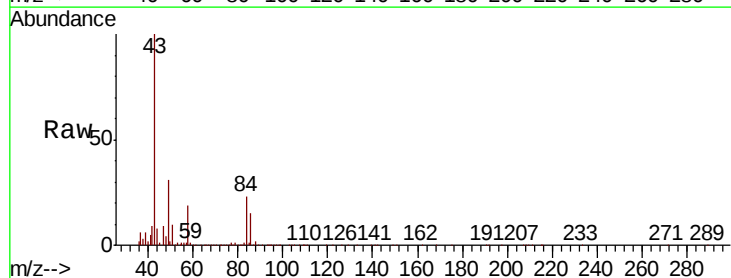
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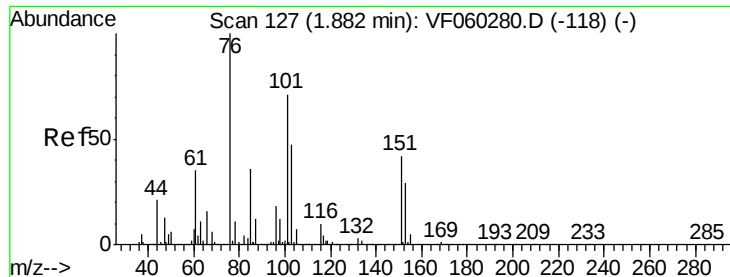
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#16
 Acetone
 Concen: 271.513 ug/l
 RT: 2.33 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion:	43	Resp:	275960
Ion	Ratio	Lower	Upper
43	100		
58	18.9	14.5	21.7





#17

Carbon Disulfide

Concen: 52.700 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 401305

Ion Ratio Lower Upper

76 100

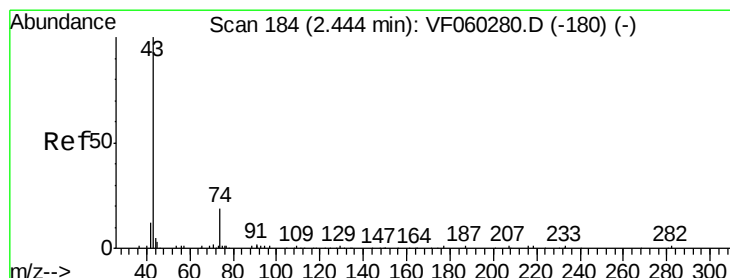
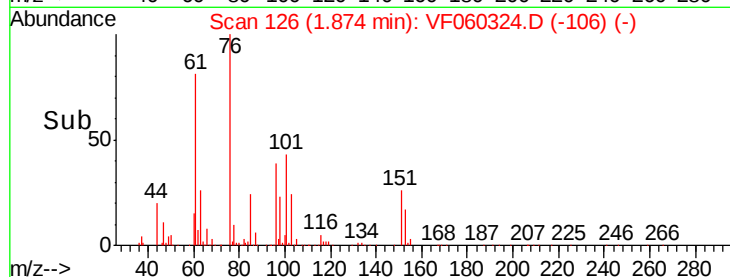
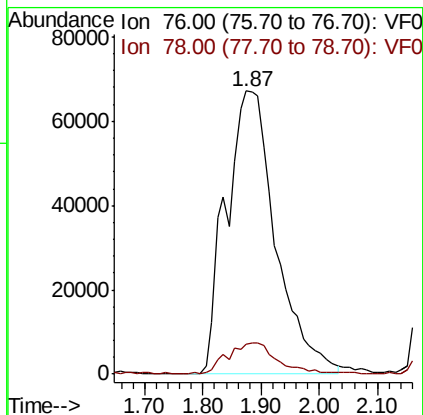
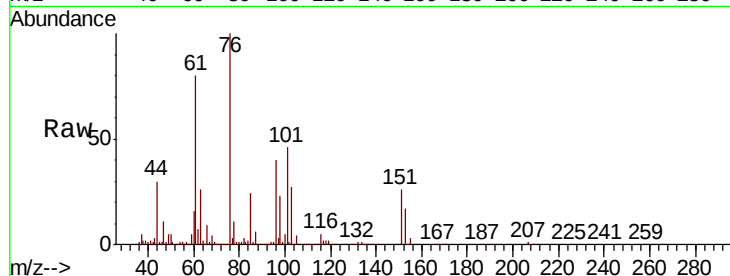
78 10.5 9.4 14.0

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#18

Methyl Acetate

Concen: 50.307 ug/l

RT: 2.44 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060324.D

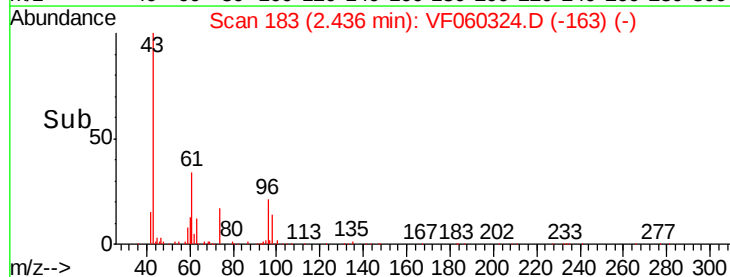
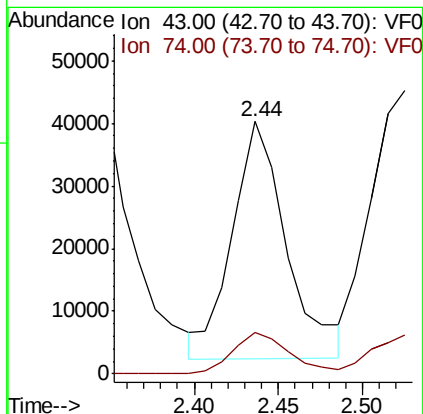
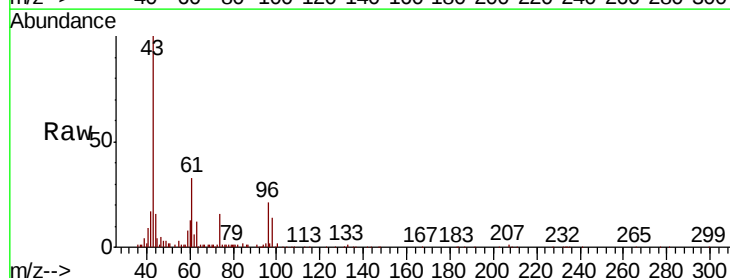
Acq: 25 Sep 2018 13:58

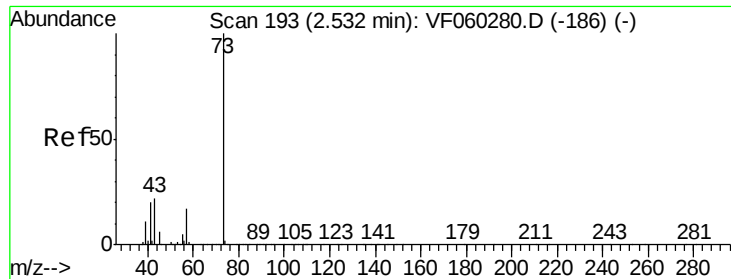
Tgt Ion: 43 Resp: 85180

Ion Ratio Lower Upper

43 100

74 16.4 12.7 19.1





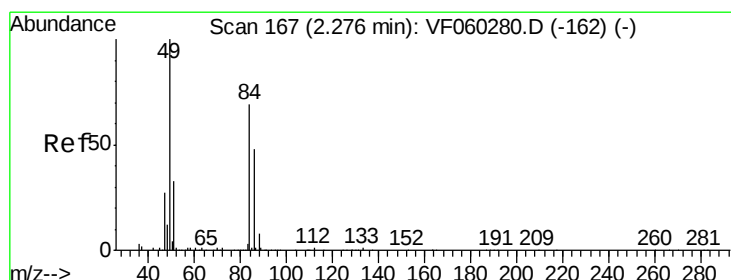
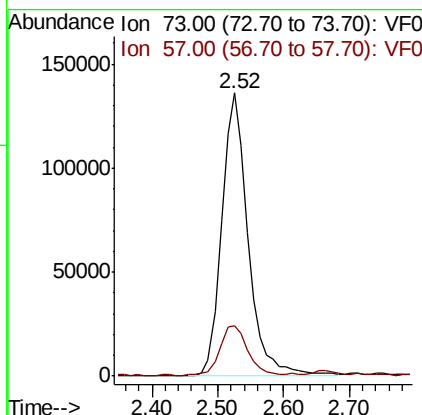
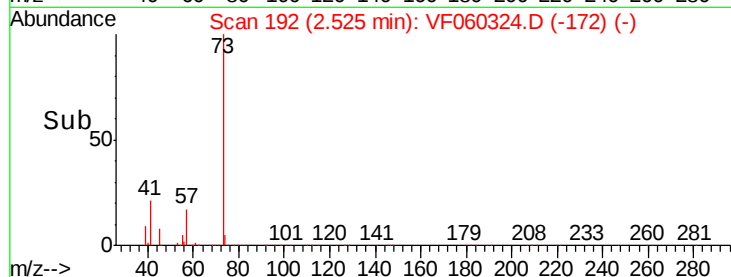
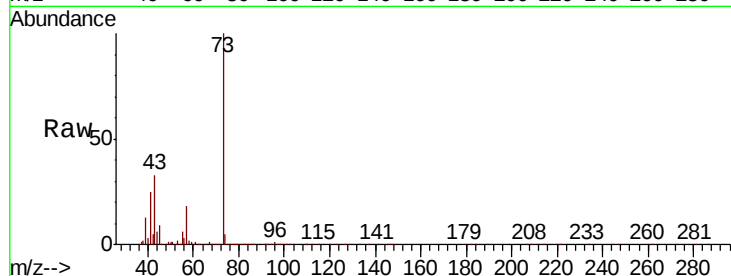
#19
Methyl tert-butyl Ether
Concen: 49.774 ug/l
RT: 2.52 min Scan# 192
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	14.5	21.7

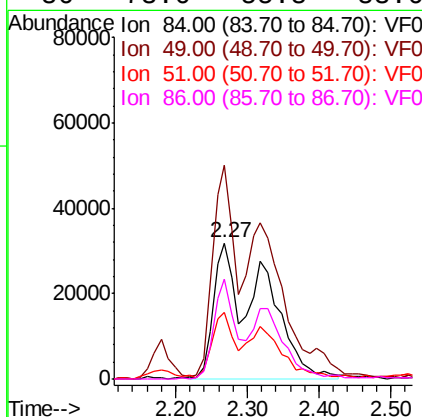
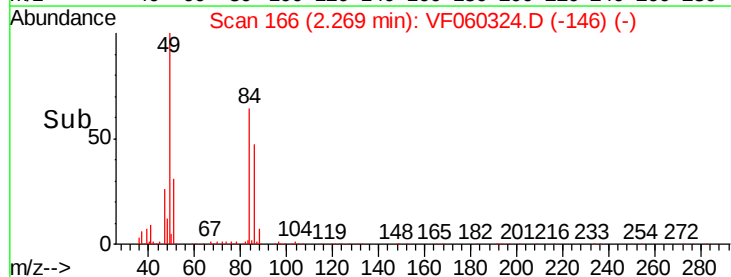
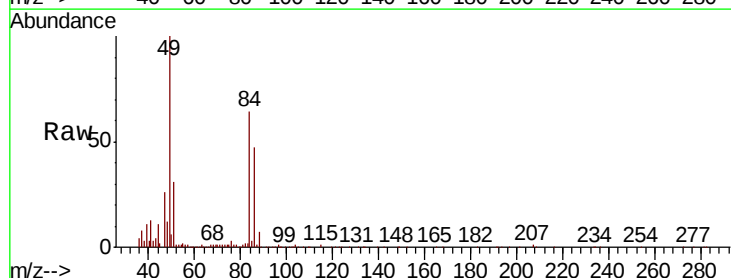
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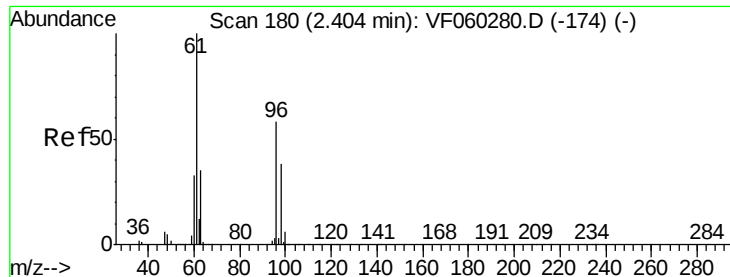
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#20
Methylene Chloride
Concen: 56.188 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.9	118.3	177.5
51	48.7	38.7	58.1
86	73.6	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 47.418 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

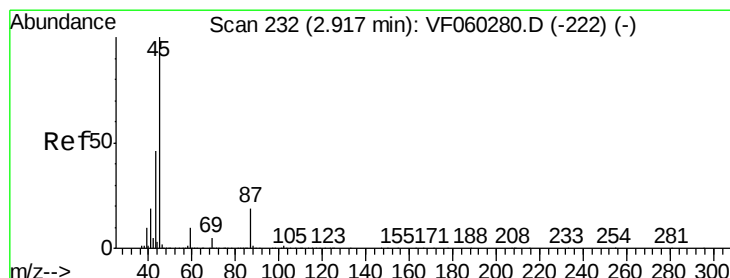
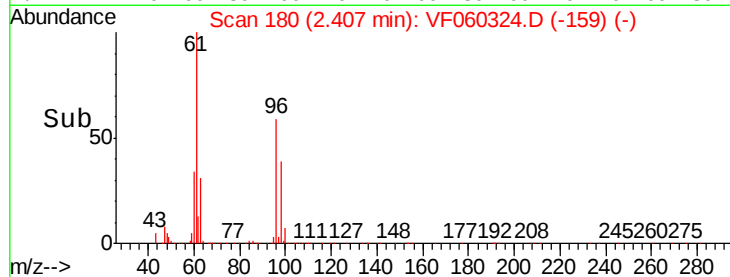
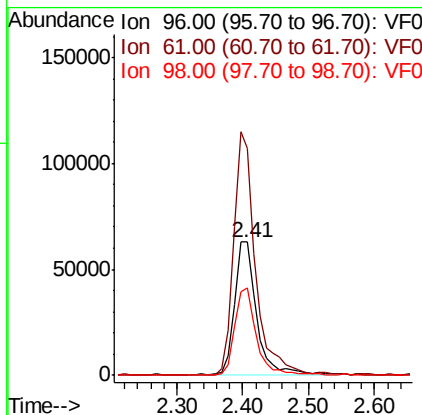
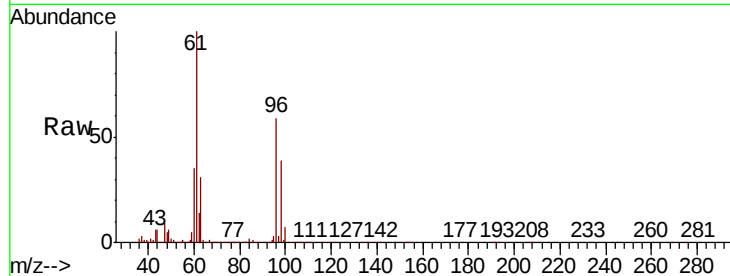
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	149377
Ion	Ratio	Lower	Upper
96	100		
61	170.5	136.4	204.6
98	65.8	51.8	77.6

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#22

Diisopropyl ether

Concen: 48.594 ug/l

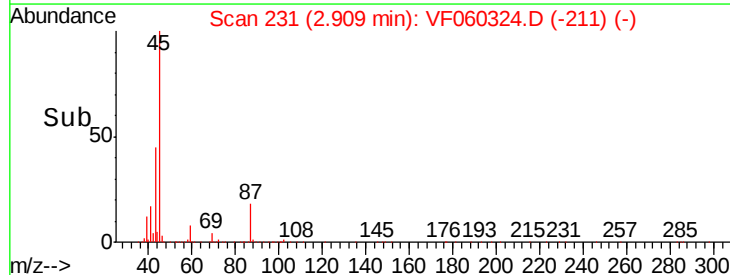
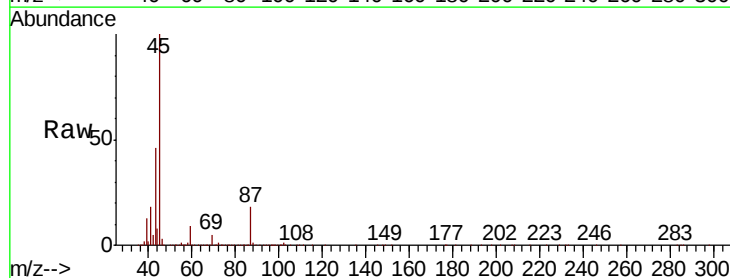
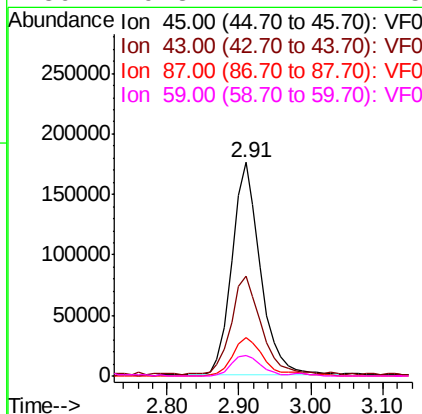
RT: 2.91 min Scan# 231

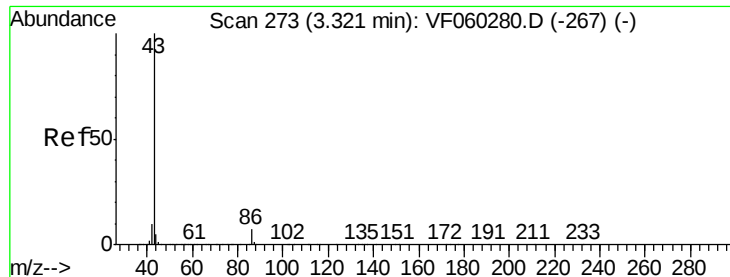
Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Tgt Ion:	45	Resp:	487987
Ion	Ratio	Lower	Upper
45	100		
43	46.5	38.2	57.2
87	17.9	15.5	23.3
59	9.3	7.7	11.5





#23

Vinyl Acetate

Concen: 233.090 ug/l

RT: 3.31 min Scan# 272

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 919326

Ion Ratio Lower Upper

43 100

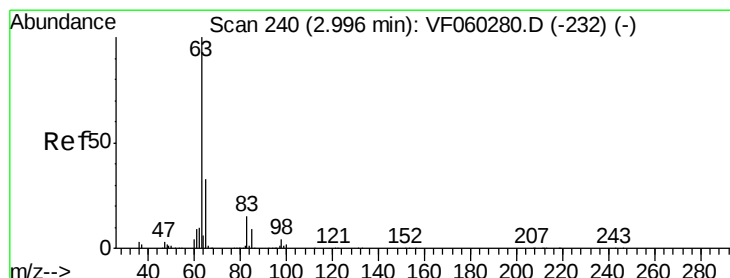
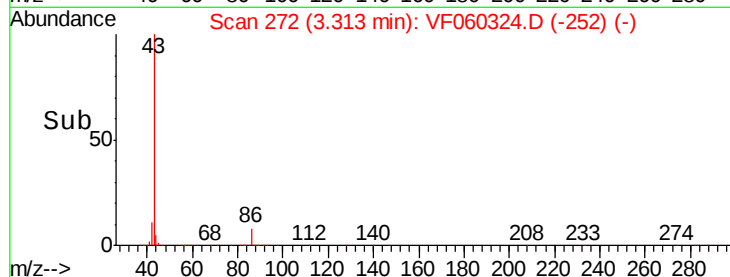
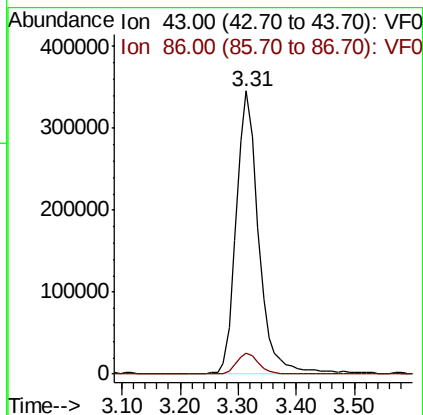
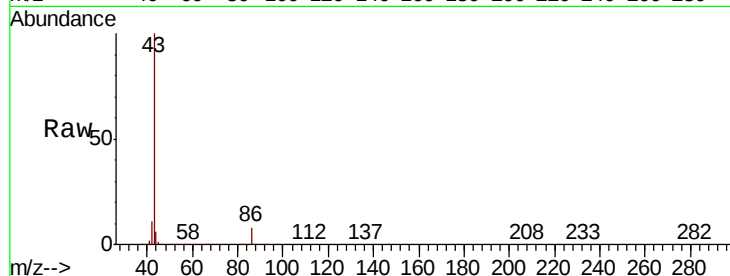
86 7.5 5.9 8.9

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#24

1,1-Dichloroethane

Concen: 50.613 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

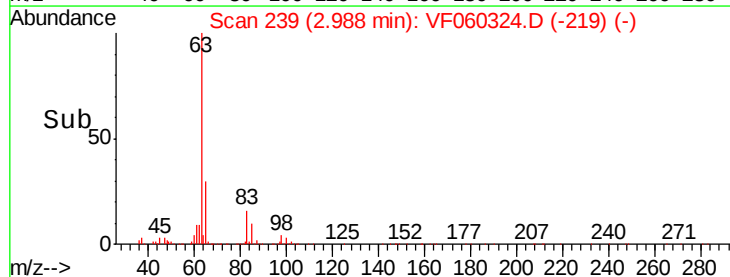
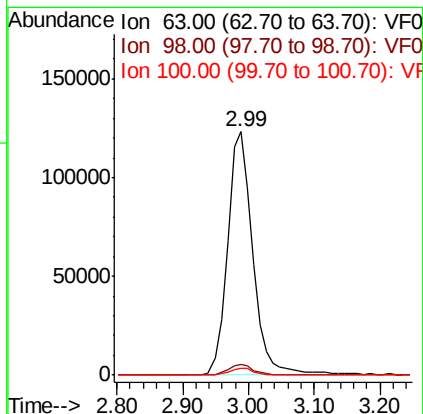
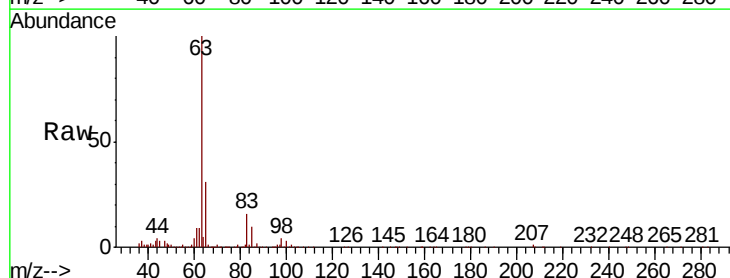
Tgt Ion: 63 Resp: 329628

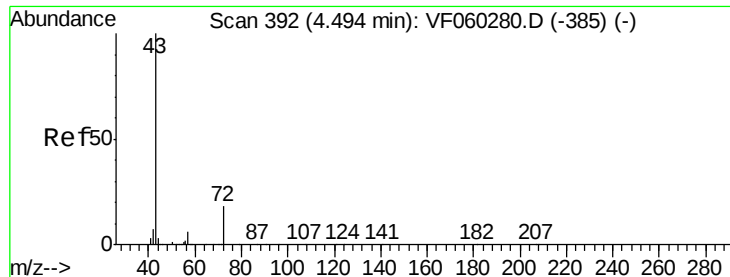
Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

100 2.8 1.1 3.3





#25

2-Butanone

Concen: 232.894 ug/l

RT: 4.49 min Scan# 391

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 318607

Ion Ratio Lower Upper

43 100

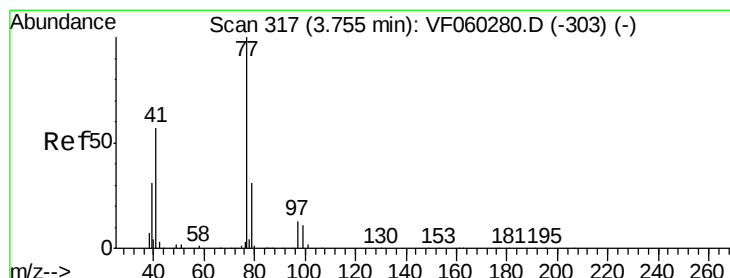
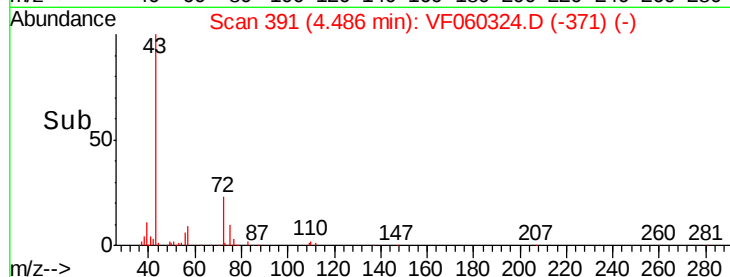
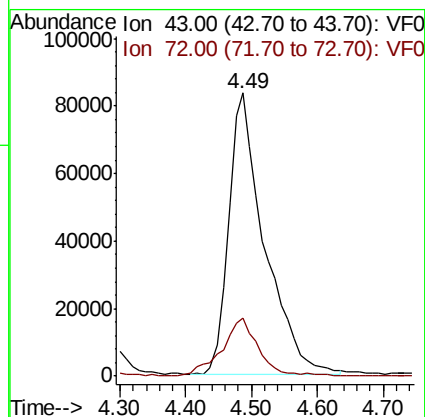
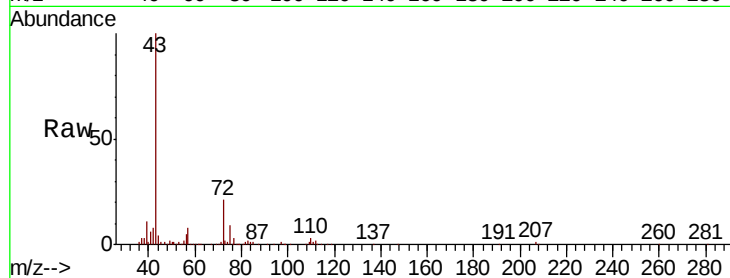
72 20.6 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 47.847 ug/l

RT: 3.74 min Scan# 315

Delta R.T. -0.02 min

Lab File: VF060324.D

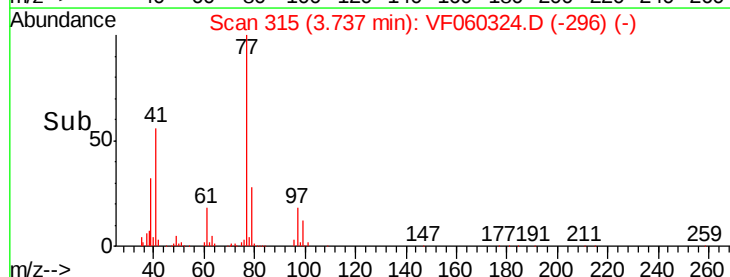
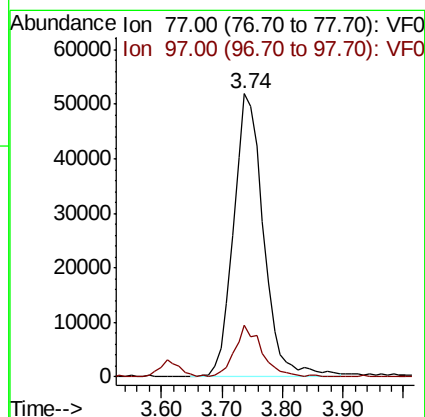
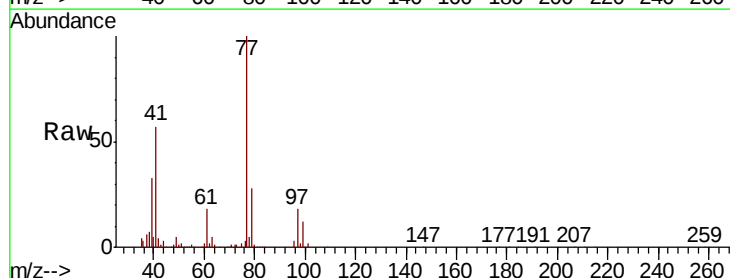
Acq: 25 Sep 2018 13:58

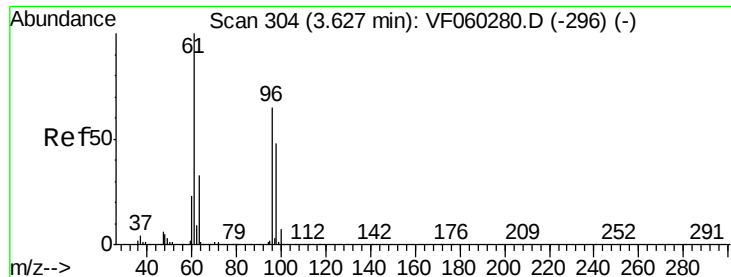
Tgt Ion: 77 Resp: 177801

Ion Ratio Lower Upper

77 100

97 18.3 9.3 27.9





#27

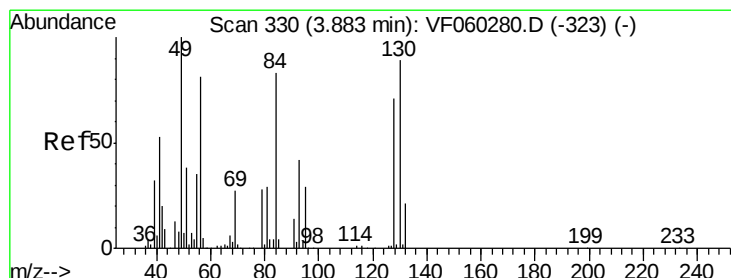
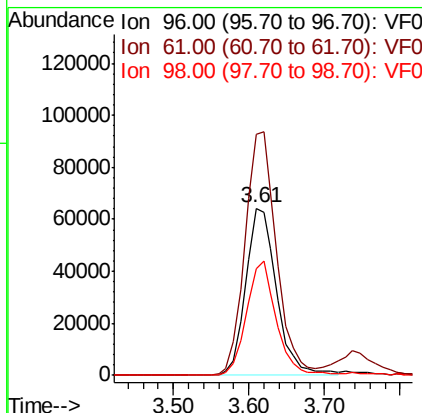
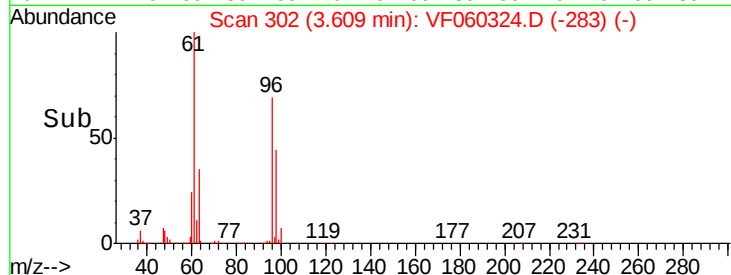
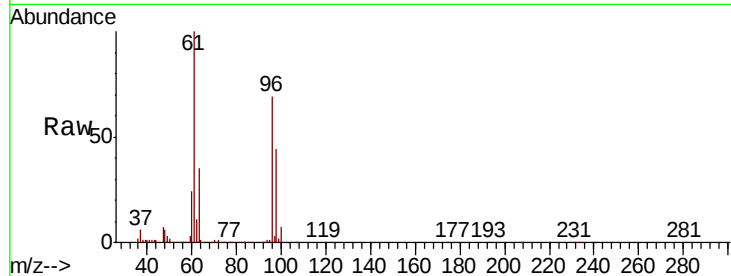
cis-1,2-Dichloroethene
 Concen: 44.248 ug/l
 RT: 3.61 min Scan# 302
 Delta R.T. -0.02 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	183123		
61	144.0	0.0	304.8	
98	64.0	0.0	146.4	

Manual Integrations
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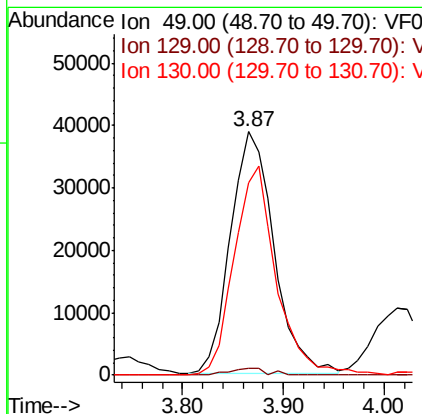
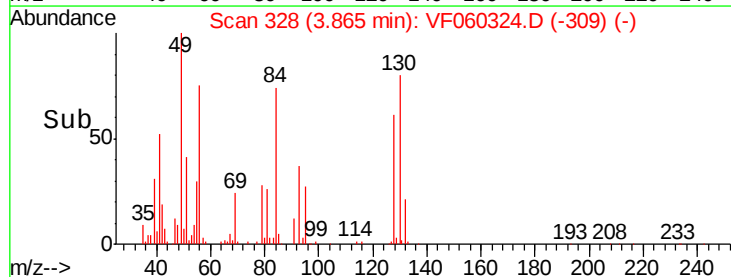
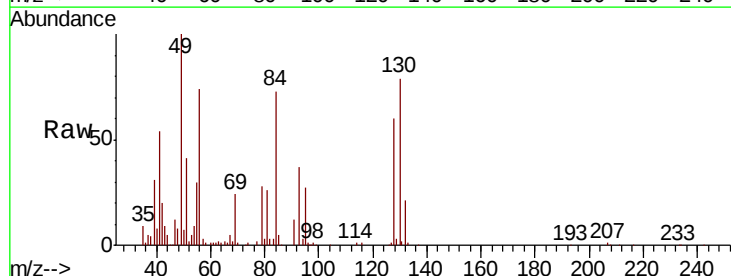
apatel
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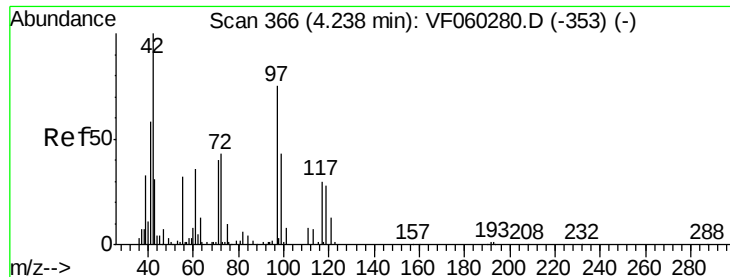


#28

Bromochloromethane
 Concen: 45.737 ug/l
 RT: 3.87 min Scan# 328
 Delta R.T. -0.02 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	115971		
129	2.6	0.0	4.2	
130	79.2	70.3	105.5	





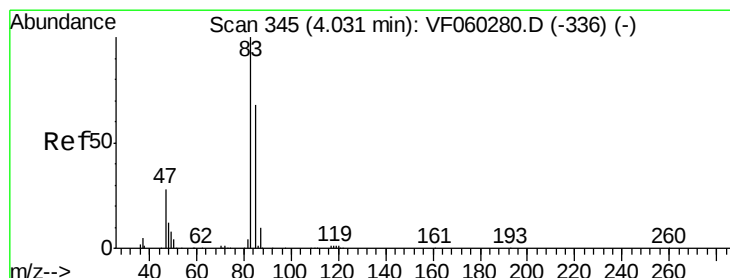
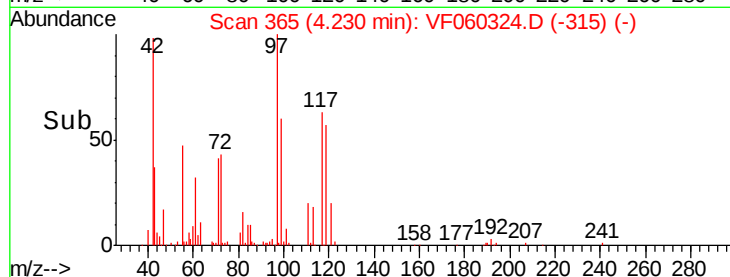
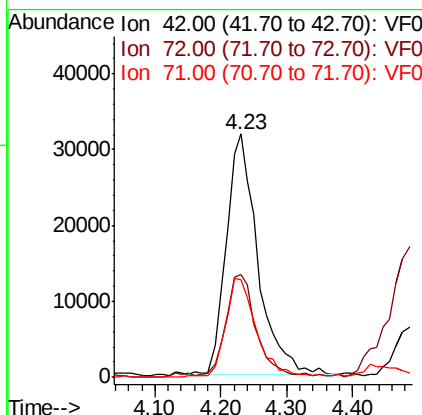
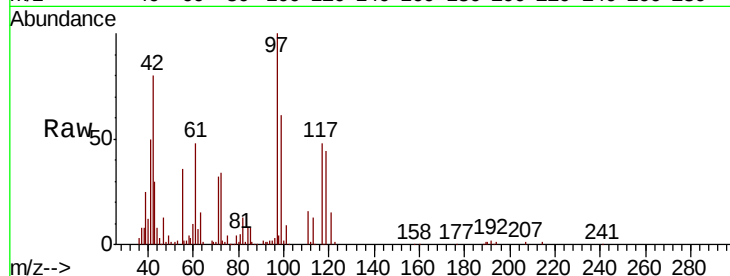
#29
Tetrahydrofuran
Concen: 211.324 ug/l
RT: 4.23 min Scan# 365
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.6	49.0
71	40.9	32.7	49.1

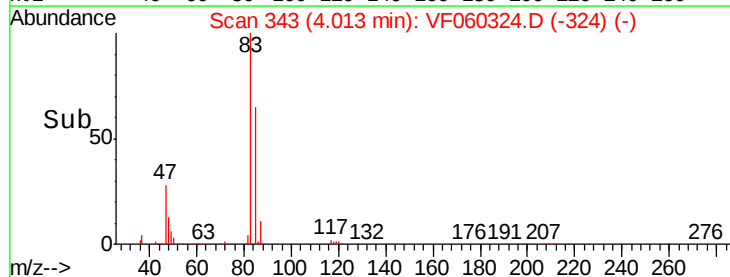
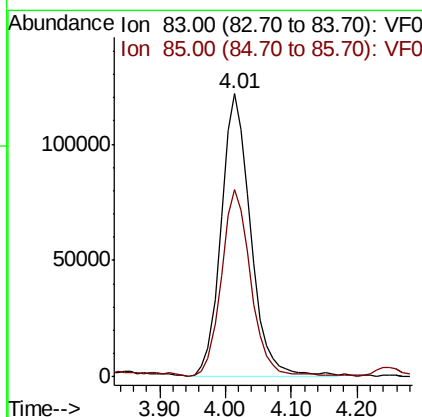
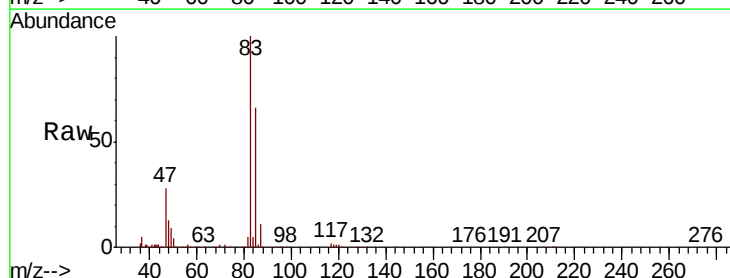
Manual Integrations
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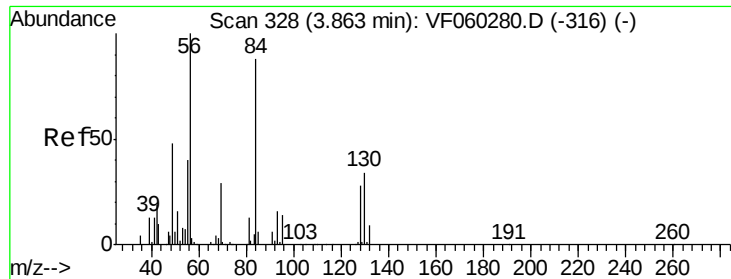
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#30
Chloroform
Concen: 47.938 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	54.9	82.3





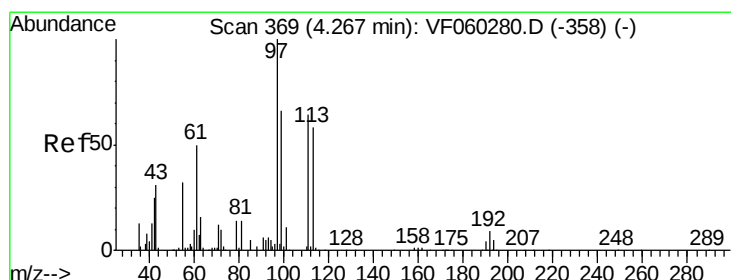
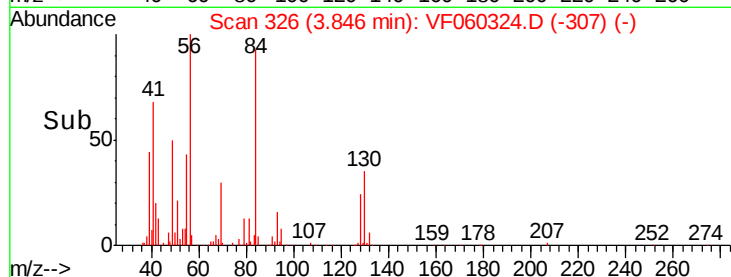
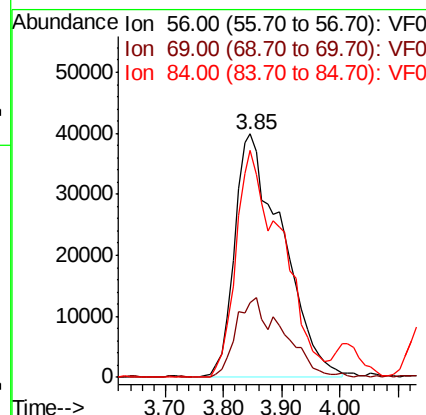
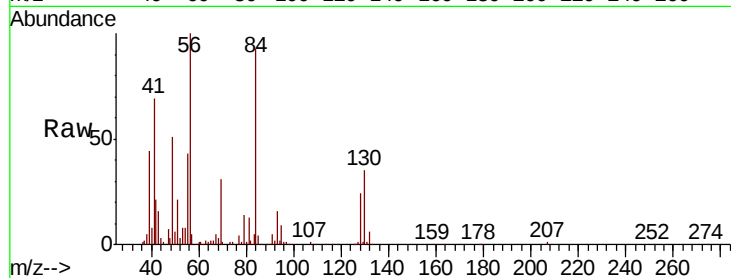
#31
Cyclohexane
Concen: 41.417 ug/l
RT: 3.85 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	30.7	23.8	35.6	
84	93.2	70.2	105.4	

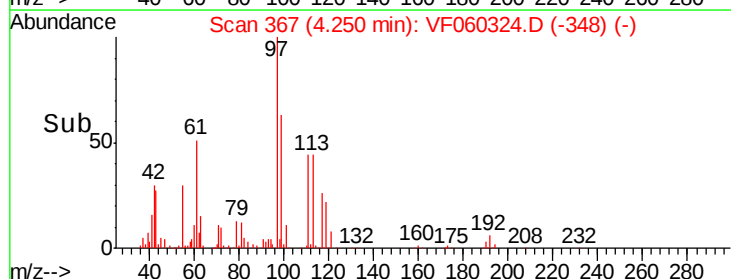
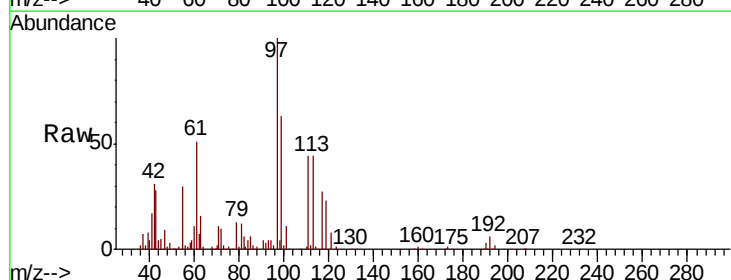
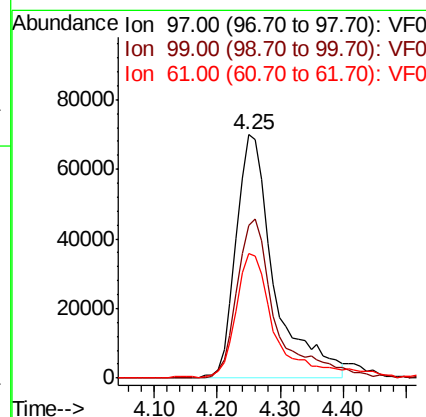
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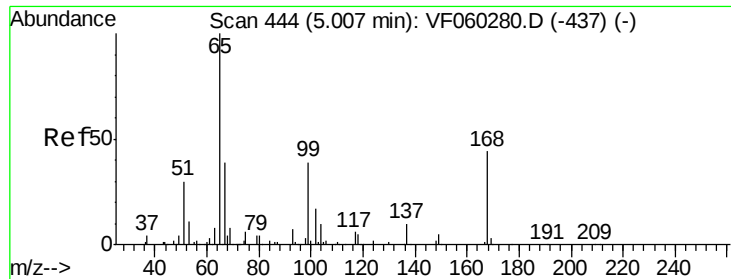
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#32
1,1,1-Trichloroethane
Concen: 47.467 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.0	53.0	79.4	
61	51.4	40.6	61.0	





#33

1,2-Dichloroethane-d4

Concen: 46.228 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 166838

Ion Ratio Lower Upper

65 100

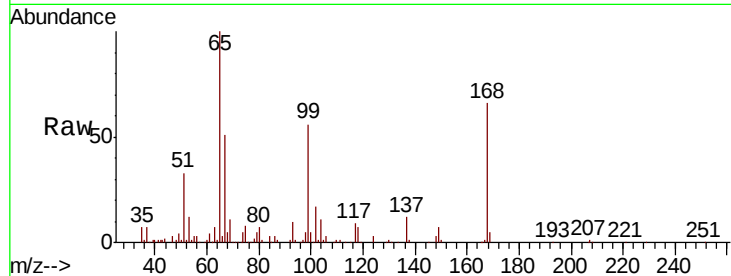
67 51.4 0.0 94.4

Manual Integrations

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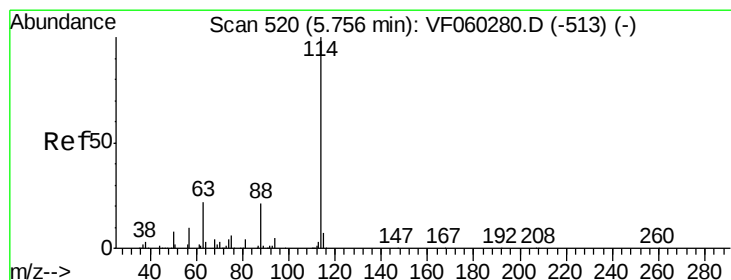
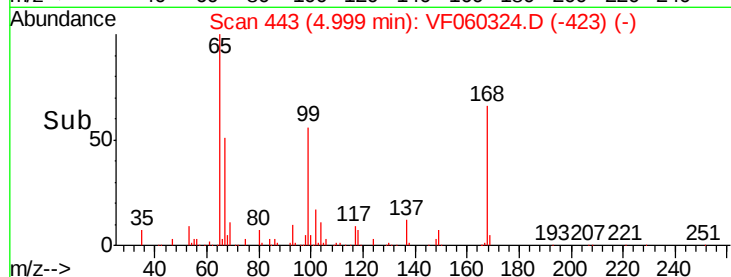
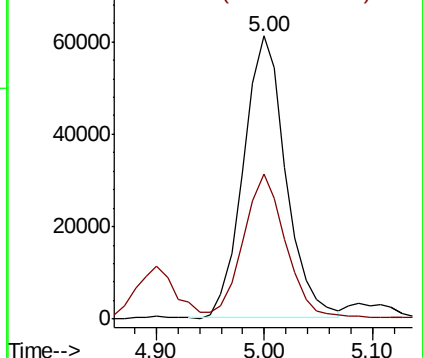
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

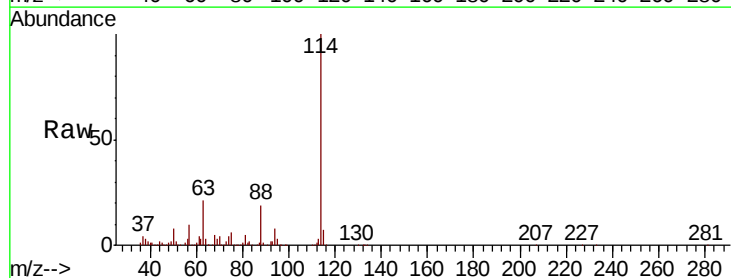
Tgt Ion: 114 Resp: 468292

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.8

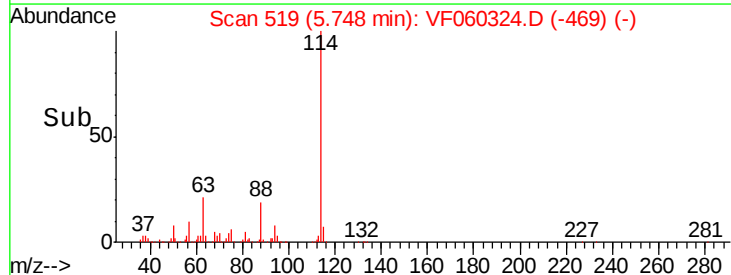
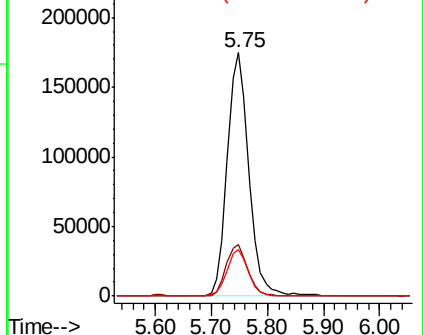
88 19.0 0.0 41.2

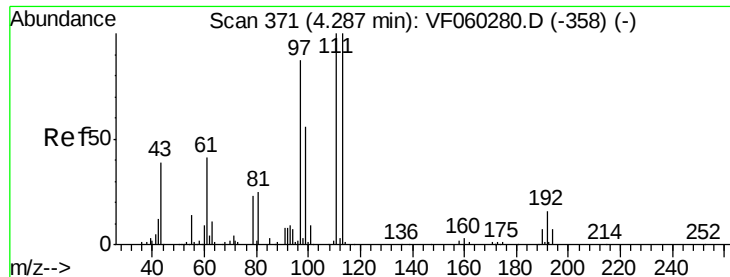


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 43.281 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

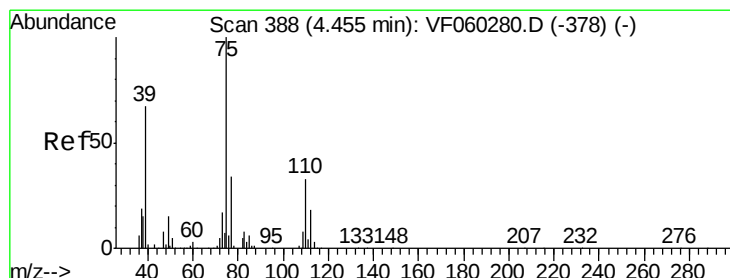
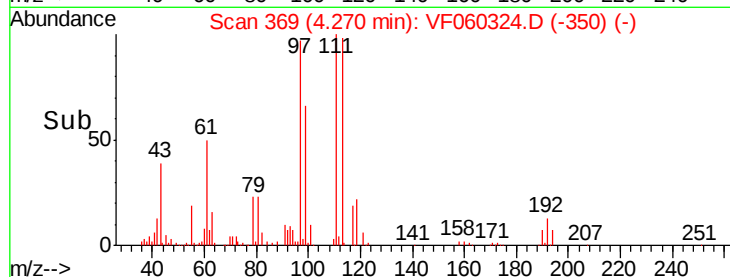
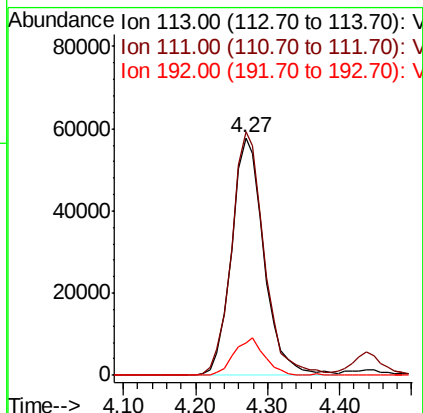
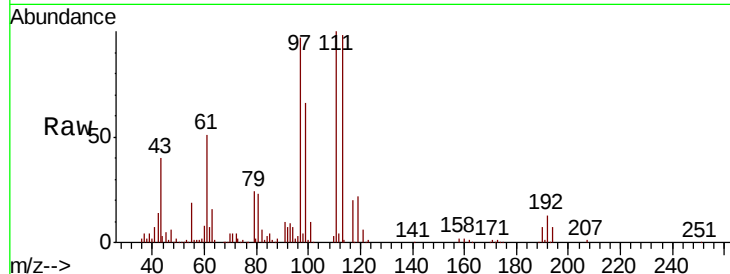
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	180676
Ion Ratio	Lower	Upper	
113	100		
111	102.5	79.6	119.4
192	13.5	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 44.335 ug/l

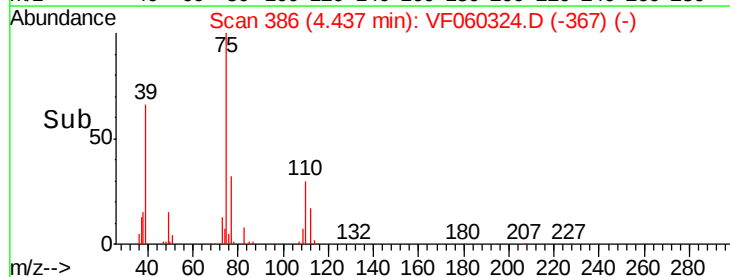
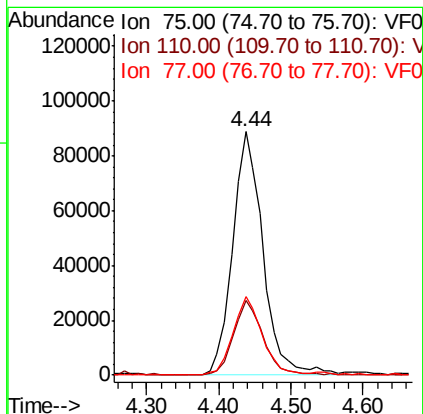
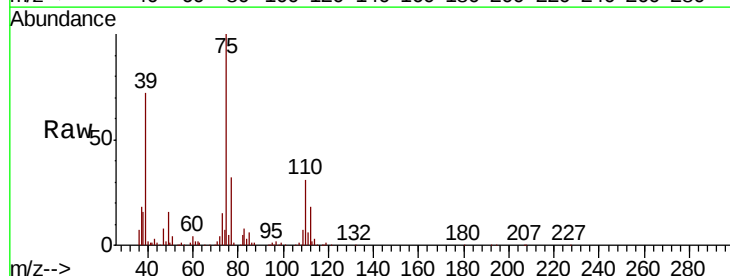
RT: 4.44 min Scan# 386

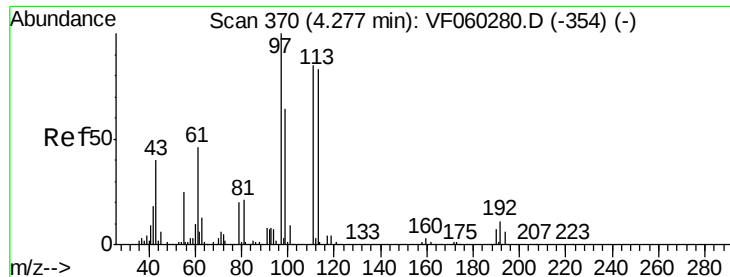
Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Tgt Ion:	75	Resp:	258971
Ion Ratio	Lower	Upper	
75	100		
110	30.6	16.4	49.2
77	32.1	27.3	40.9





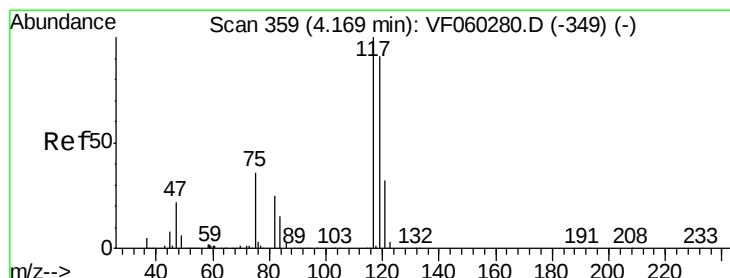
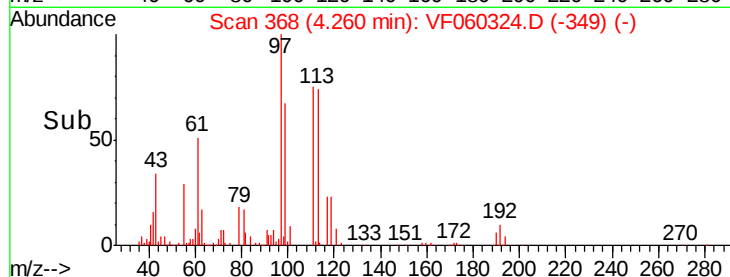
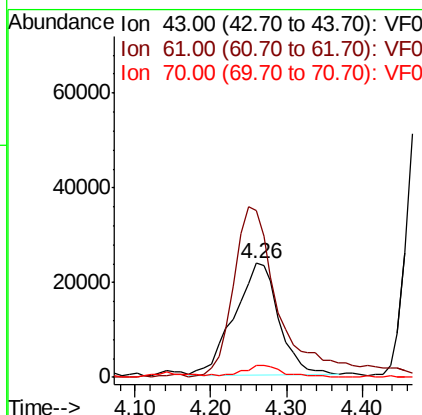
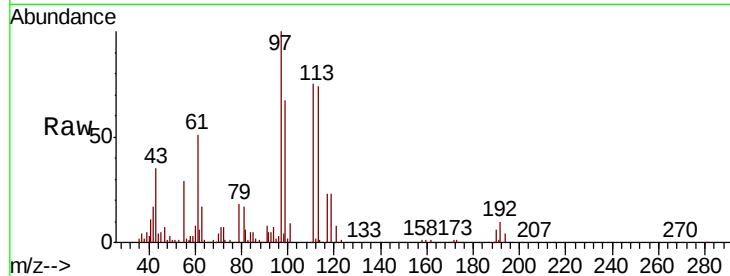
#37
Ethyl Acetate
Concen: 38.978 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70	Resp	Lower	Upper
43	100					
61	145.7	91.1			136.7#	
70	10.5	6.9			10.3#	

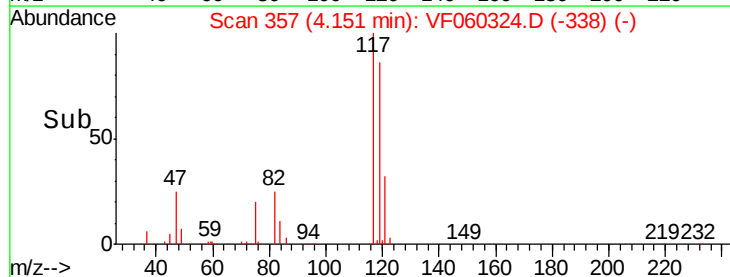
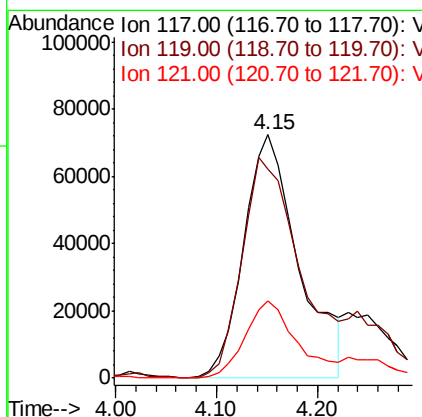
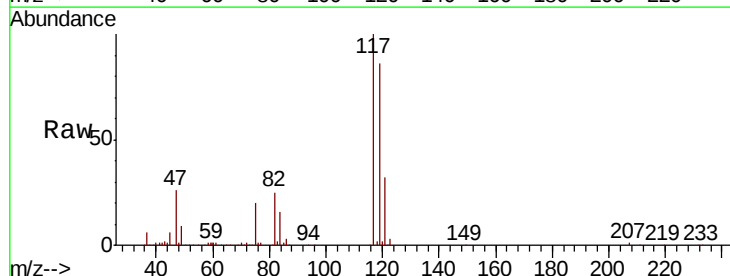
Manual Integrations
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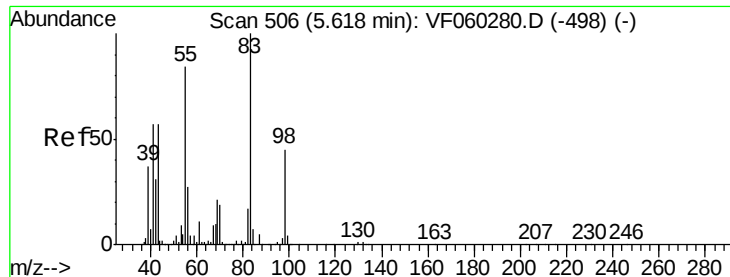
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#38
Carbon Tetrachloride
Concen: 43.790 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	117	119	121	Resp	Lower	Upper
117	100					
119	85.8	73.0			109.6	
121	31.7	25.4			38.2	





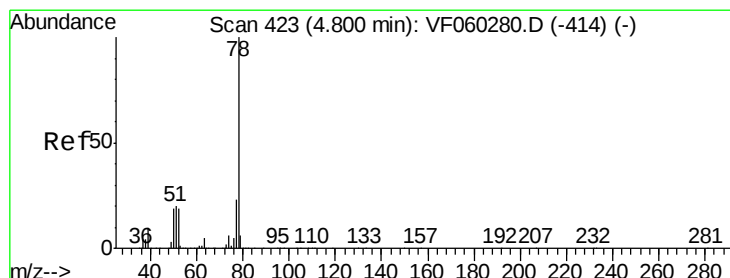
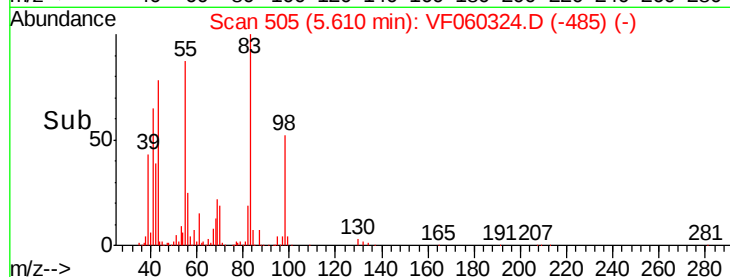
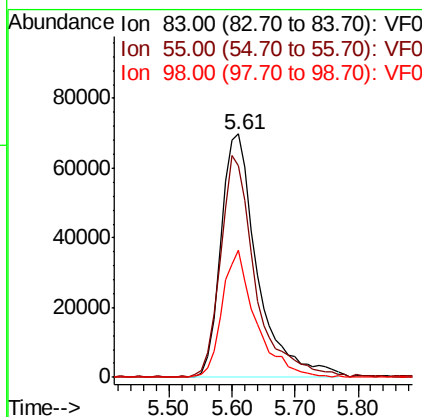
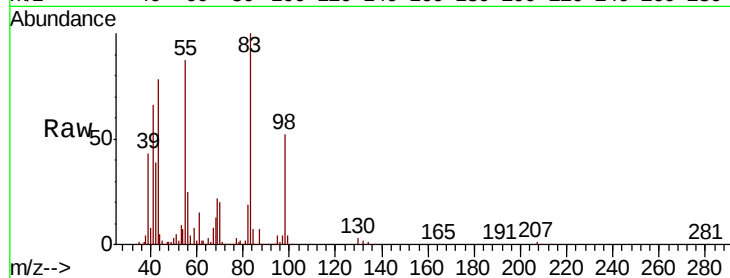
#39
Methvlcvclohexane
Concen: 44.394 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.9	67.3	100.9
98	52.4	36.1	54.1

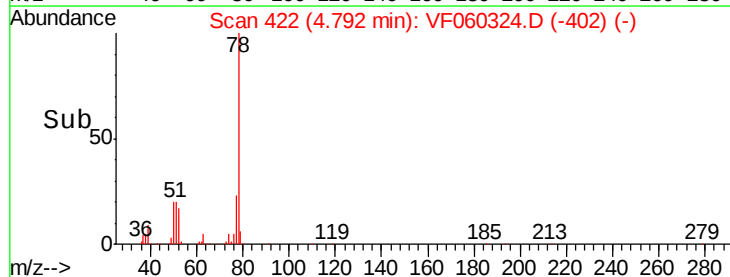
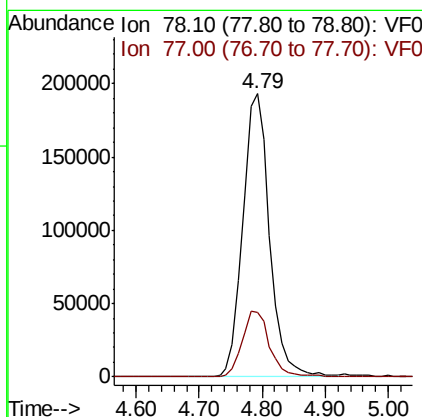
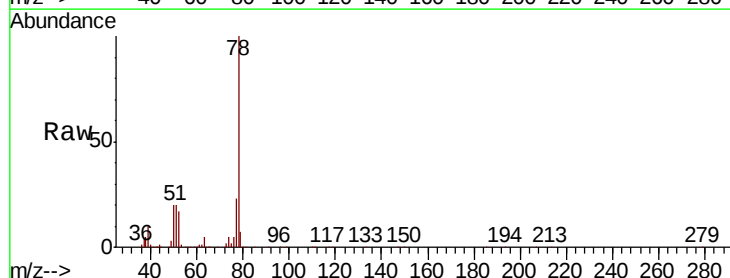
Manual Integrations
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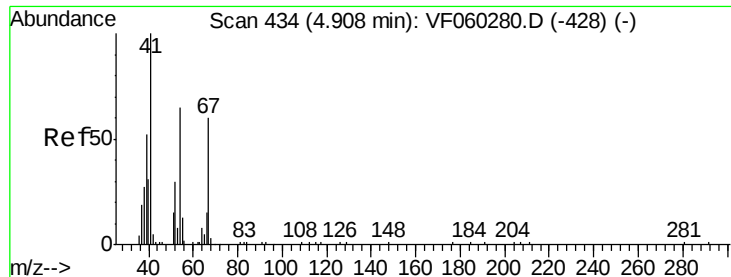
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#40
Benzene
Concen: 42.855 ug/l
RT: 4.79 min Scan# 422
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6





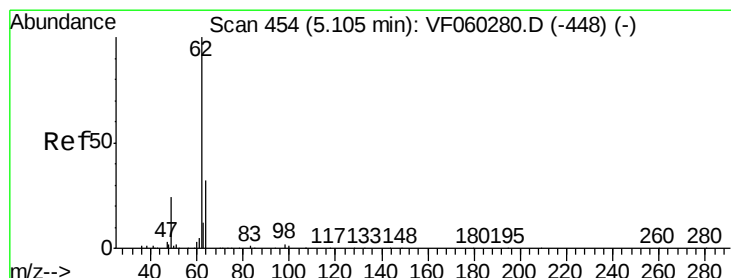
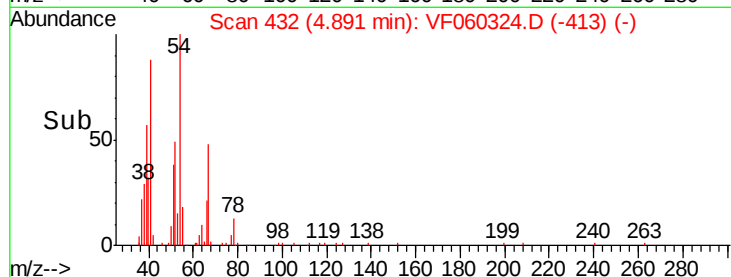
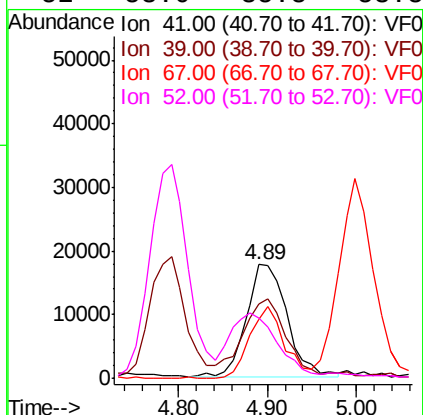
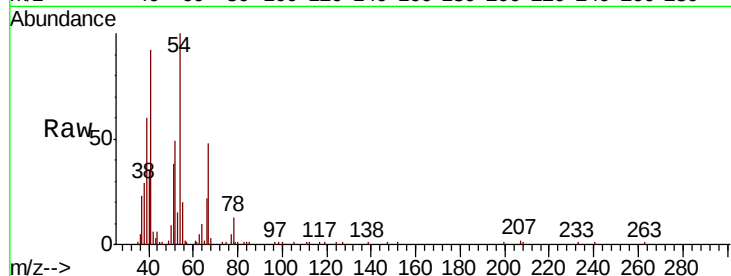
#41
Methacrylonitrile
Concen: 40.977 ug/l
RT: 4.89 min Scan# 432
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.8	49.1	73.7	
67	51.5	48.2	72.4	
52	53.0	35.8	53.8	

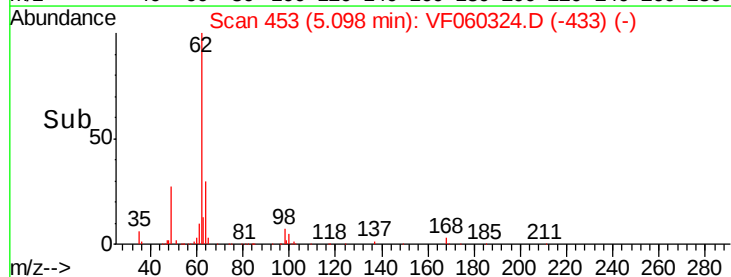
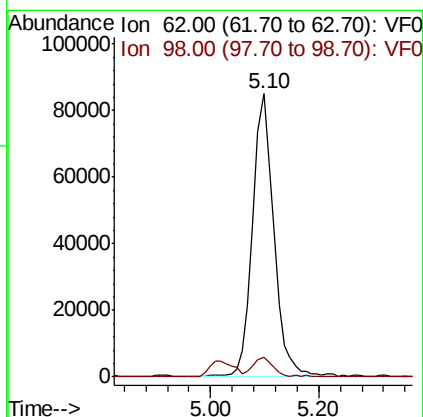
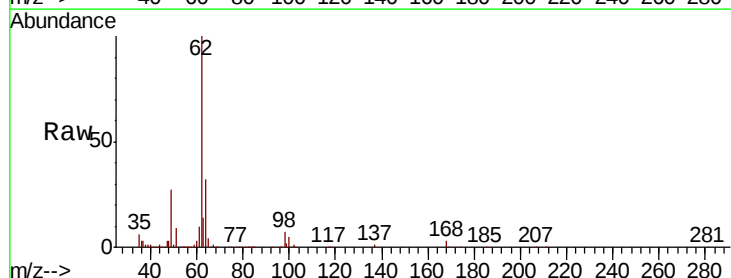
Manual Integrations
APPROVED

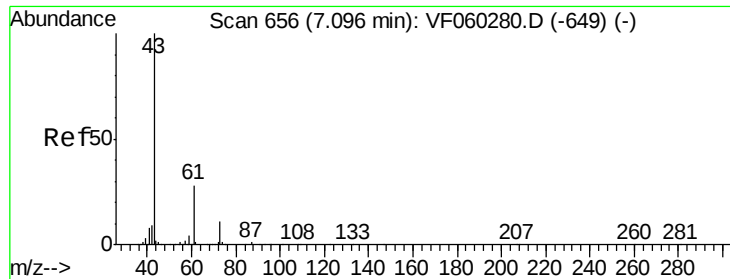
apatel
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#42
1,2-Dichloroethane
Concen: 47.904 ug/l
RT: 5.10 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.2	0.0	14.4	





#43

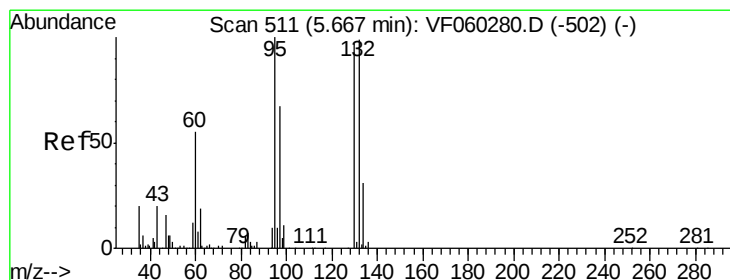
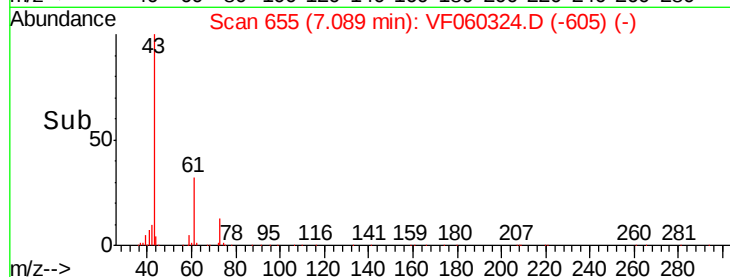
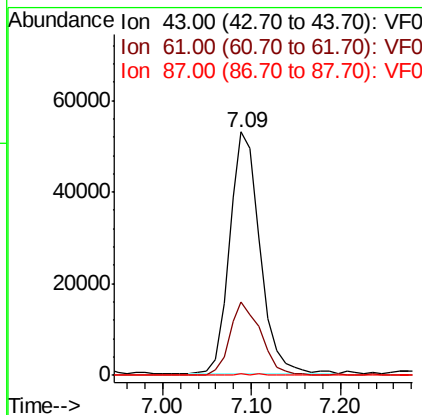
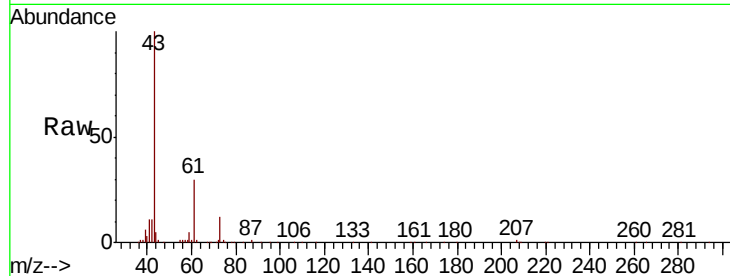
Isopropyl Acetate
 Concen: 42.427 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	22.4	33.6
87	0.7	0.6	0.8

Manual Integrations
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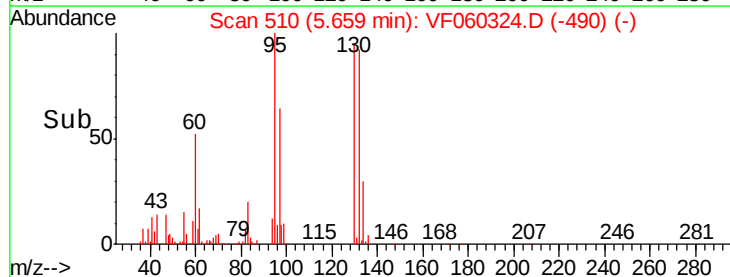
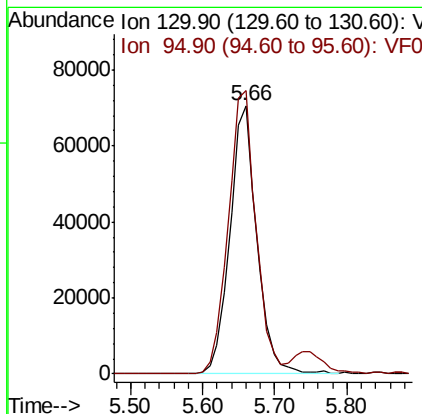
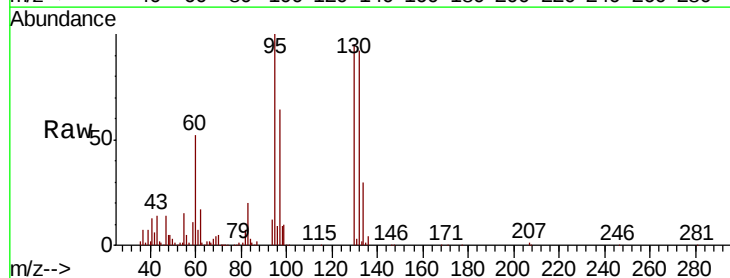
apatel
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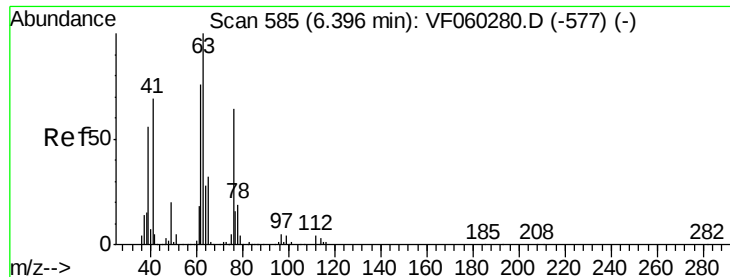


#44

Trichloroethene
 Concen: 46.683 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	205.6





#45

1,2-Dichloropropane

Concen: 46.072 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 157928

Ion Ratio Lower Upper

63 100

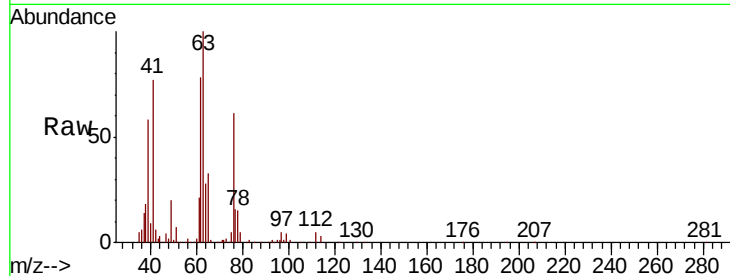
65 33.4 26.2 39.4

Manual Integrations

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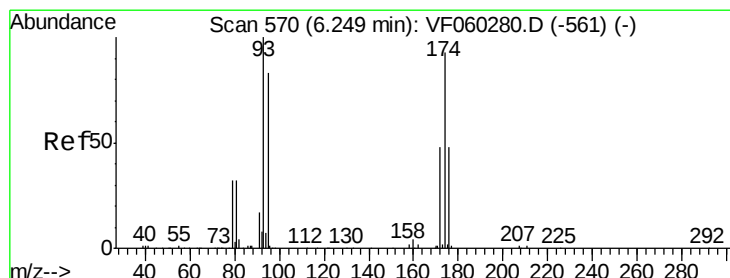
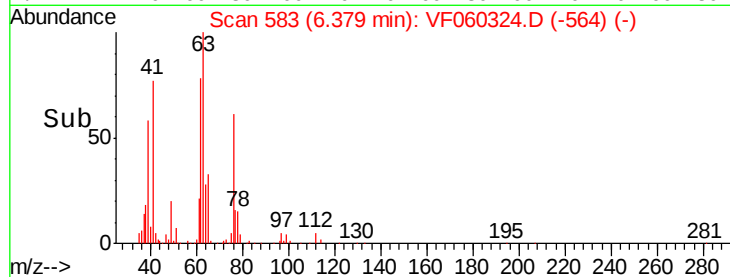
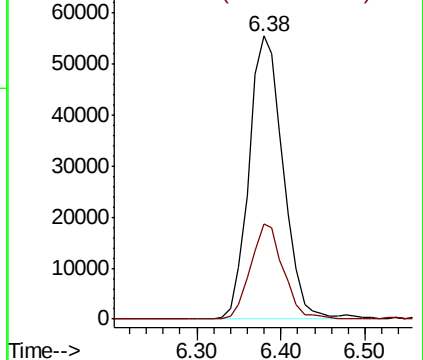
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 46.467 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

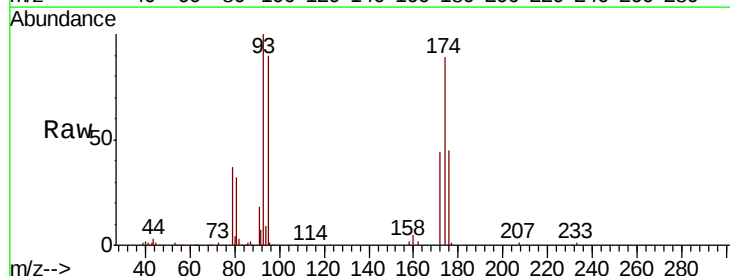
Tgt Ion: 93 Resp: 113856

Ion Ratio Lower Upper

93 100

95 89.9 67.0 100.6

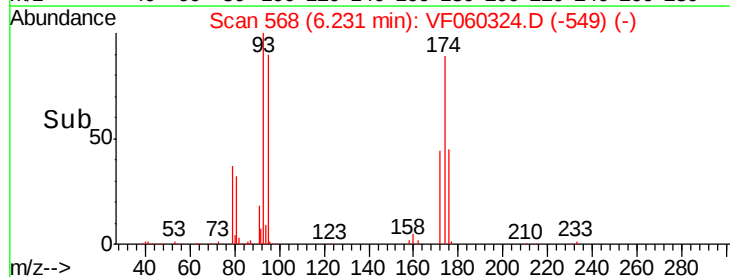
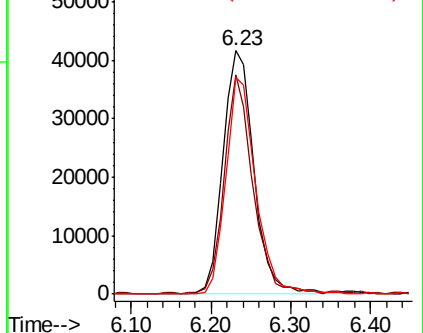
174 88.8 74.8 112.2

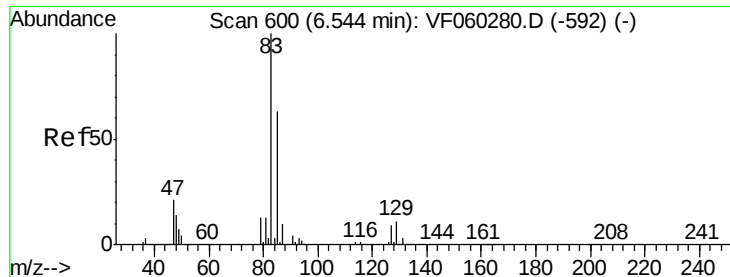


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 49.129 ug/l

RT: 6.53 min Scan# 598

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

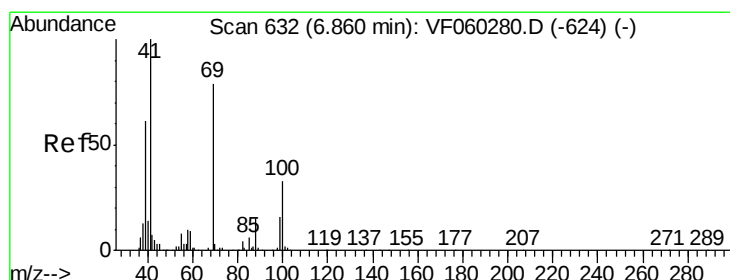
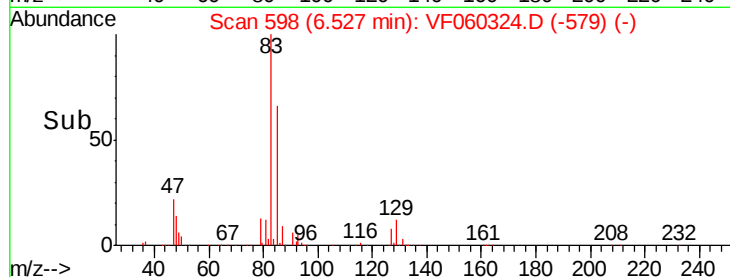
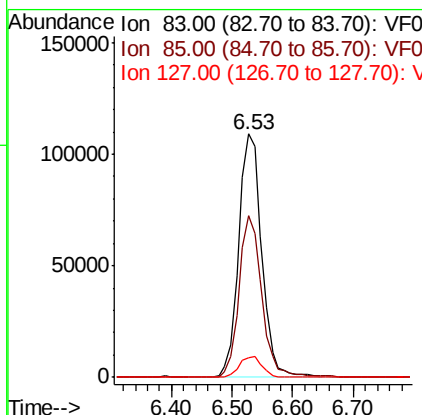
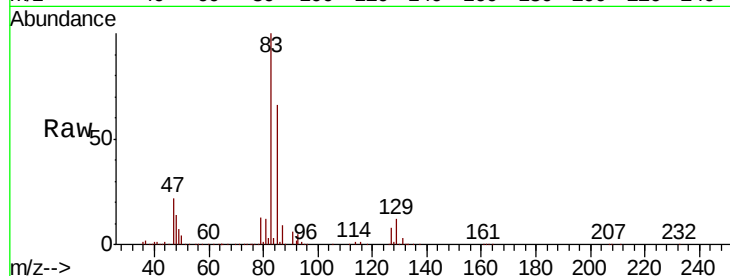
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	289289
Ion Ratio	Lower	Upper	
83	100		
85	66.5	50.6	76.0
127	7.9	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 43.775 ug/l

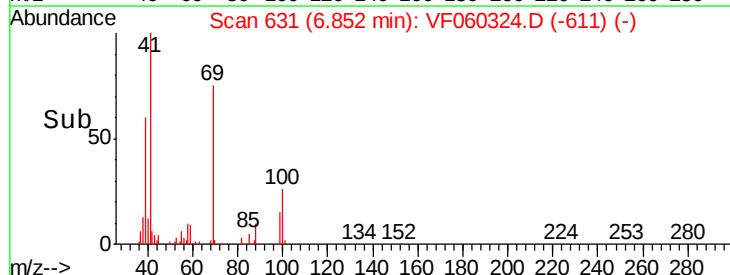
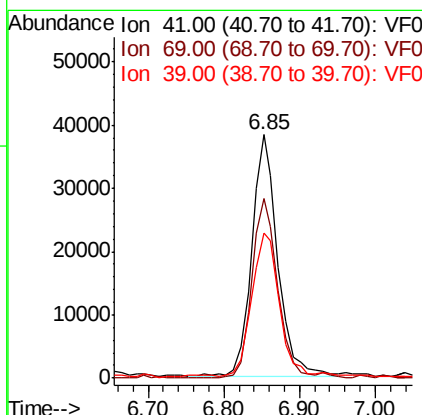
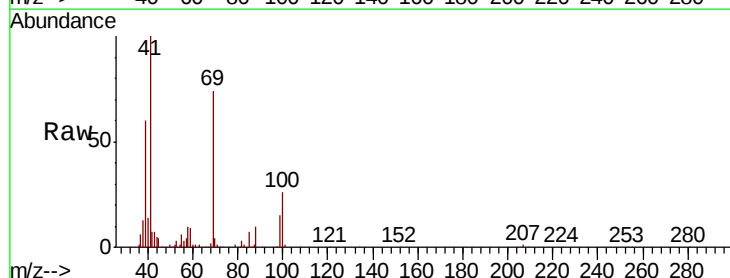
RT: 6.85 min Scan# 631

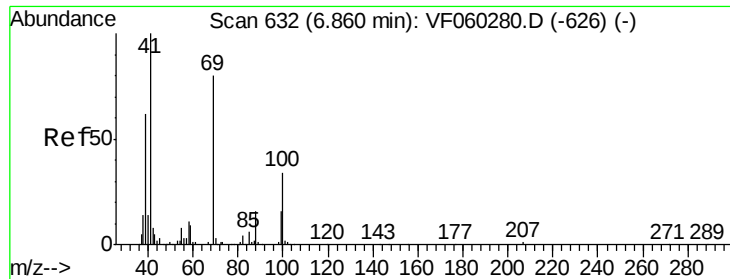
Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Tgt Ion:	41	Resp:	91432
Ion Ratio	Lower	Upper	
41	100		
69	73.9	62.6	94.0
39	59.6	49.1	73.7





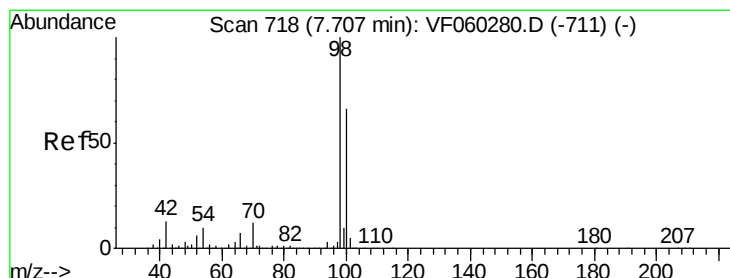
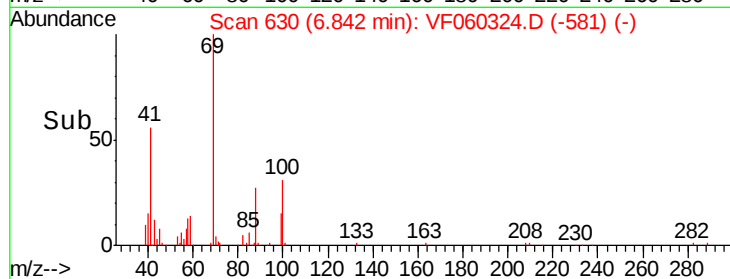
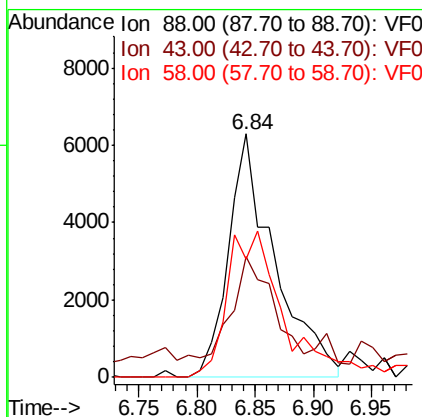
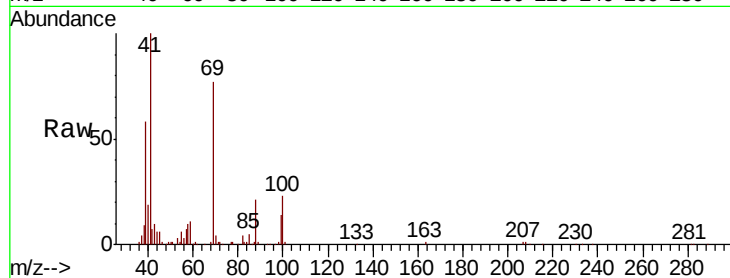
#49
1,4-Dioxane
Concen: 925.063 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.4	40.2	60.4
58	48.4	56.7	85.1#

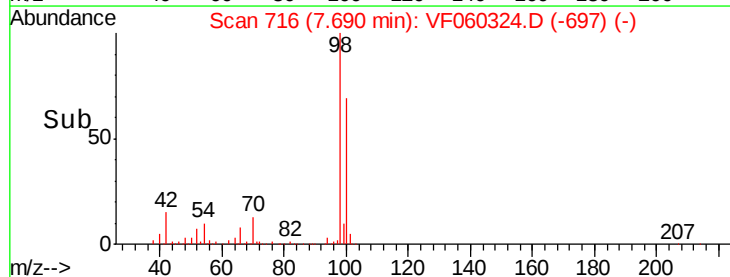
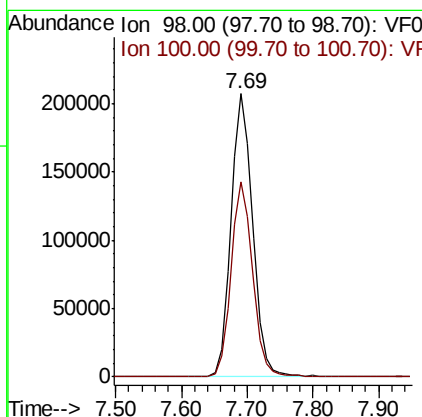
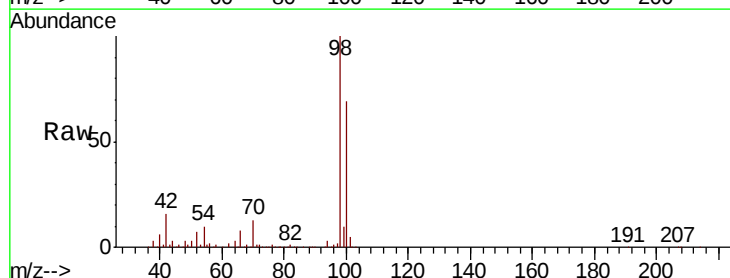
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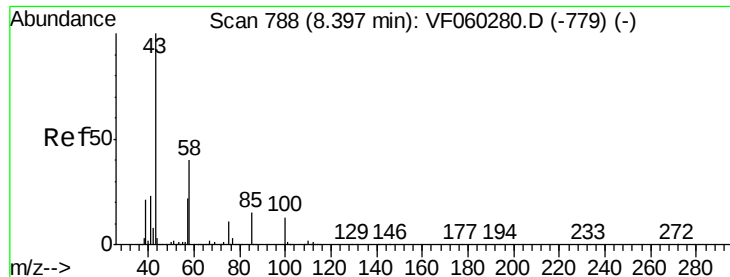
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#50
Toluene-d8
Concen: 44.209 ug/l
RT: 7.69 min Scan# 716
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 271.097 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 621713

Ion Ratio Lower Upper

43 100

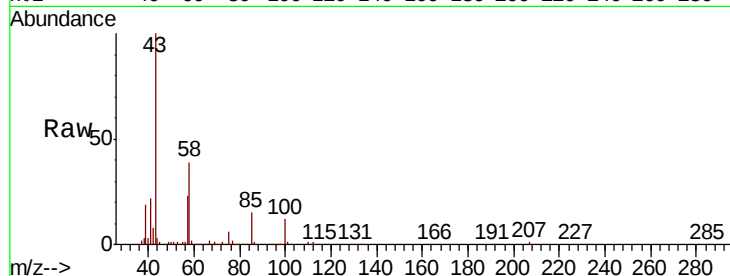
58 39.3 31.8 47.8

Manual Integrations

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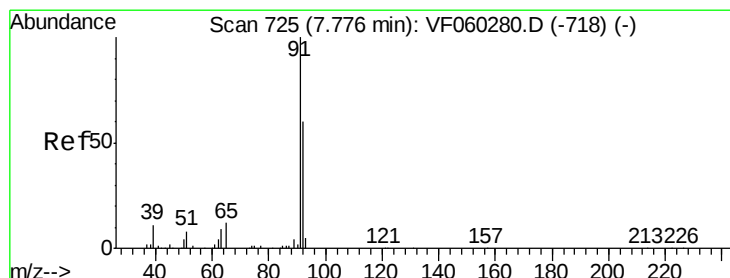
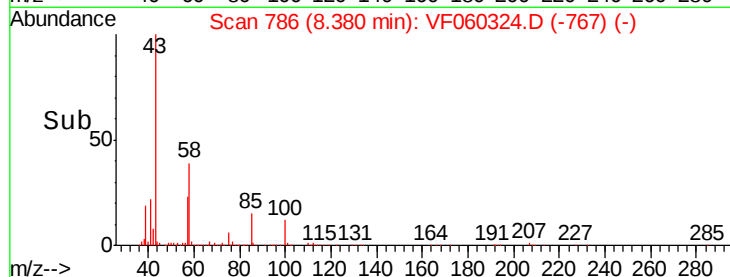
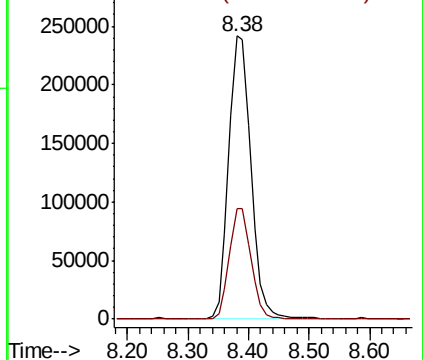
apatel

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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: 45.330 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.02 min

Lab File: VF060324.D

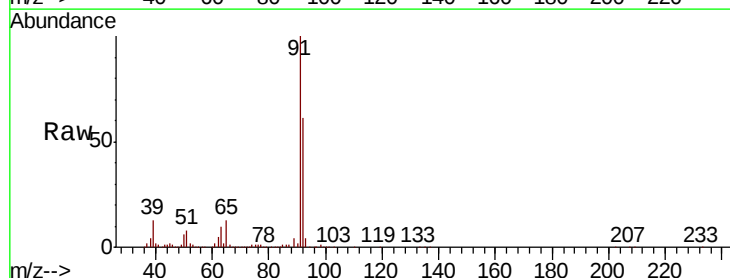
Acq: 25 Sep 2018 13:58

Tgt Ion: 92 Resp: 379828

Ion Ratio Lower Upper

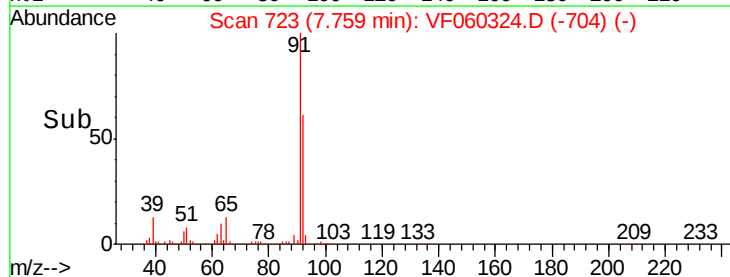
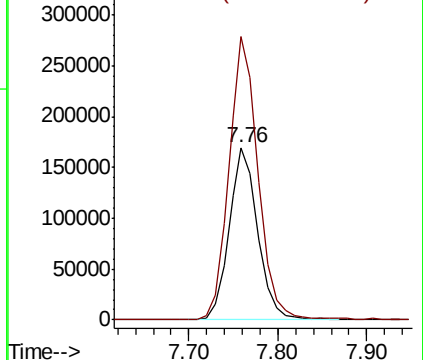
92 100

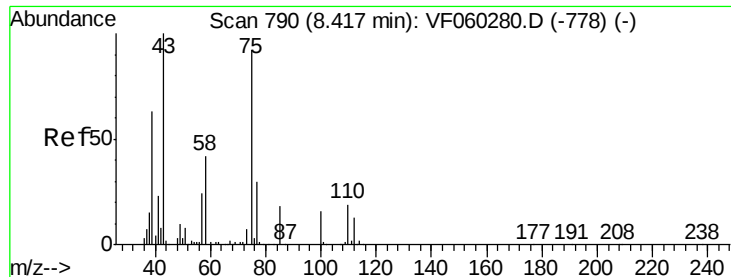
91 164.1 133.3 199.9



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: 46.632 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 221489

Ion Ratio Lower Upper

75 100

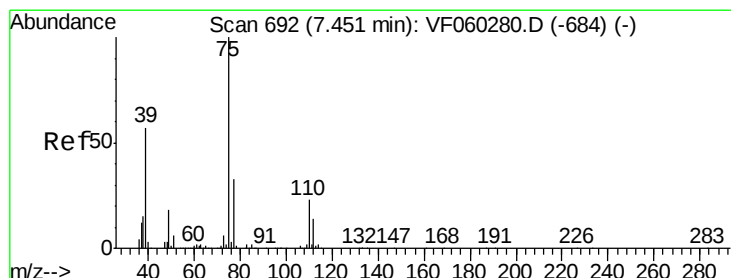
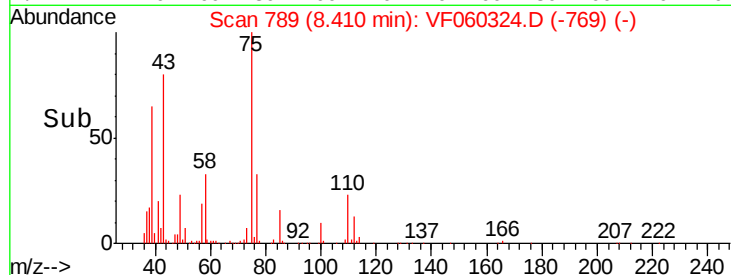
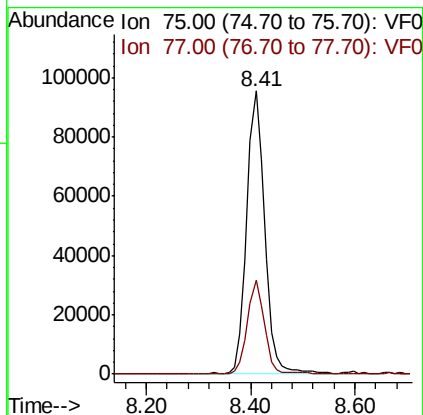
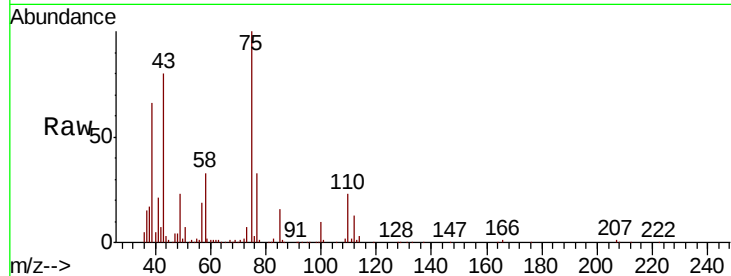
77 33.1 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 43.850 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

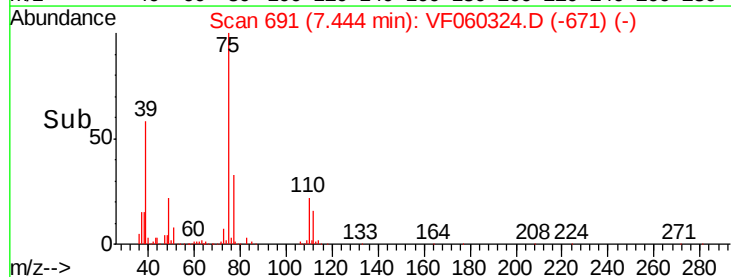
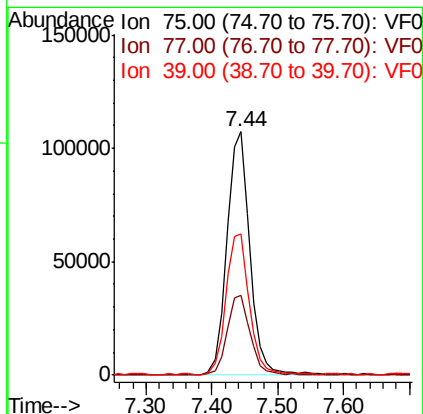
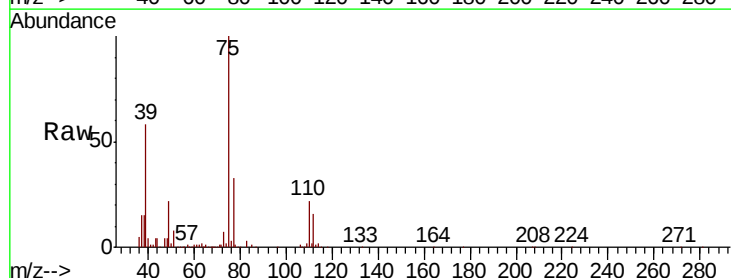
Tgt Ion: 75 Resp: 262380

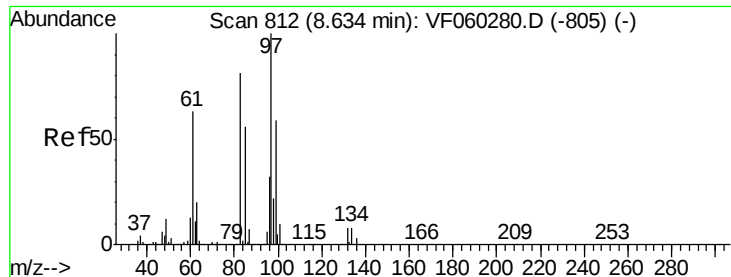
Ion Ratio Lower Upper

75 100

77 32.8 26.3 39.5

39 57.8 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 47.838 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

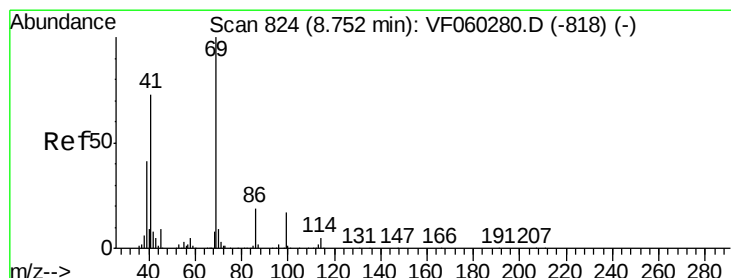
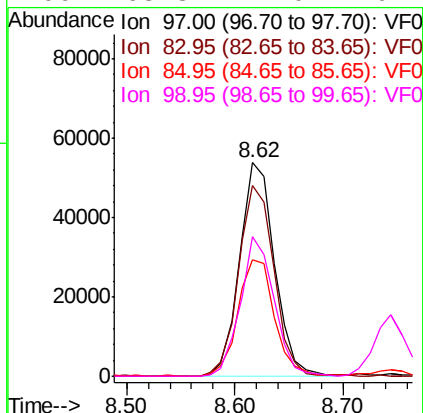
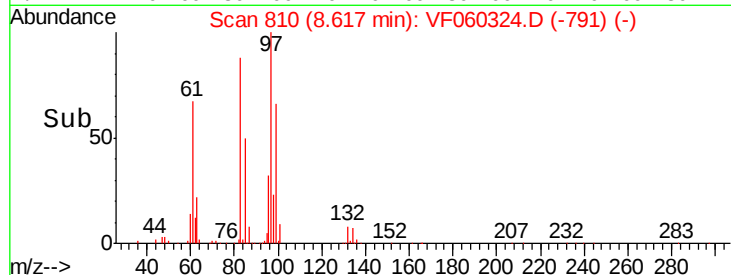
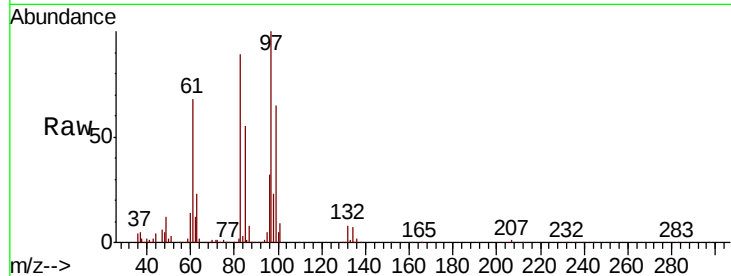
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	121660
Ion	Ratio	Lower	Upper
97	100		
83	89.1	65.3	97.9
85	54.8	44.7	67.1
99	65.3	47.0	70.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.859 ug/l

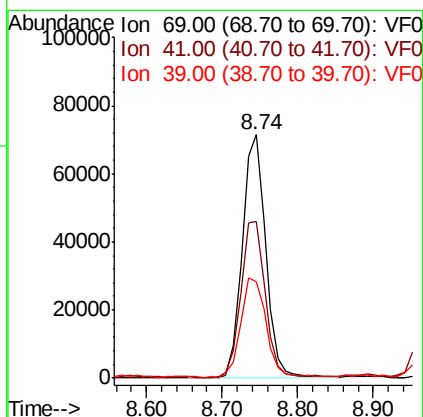
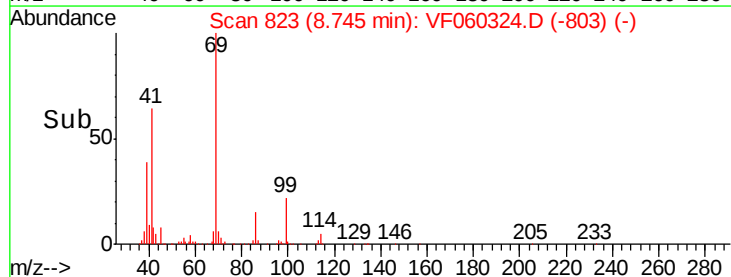
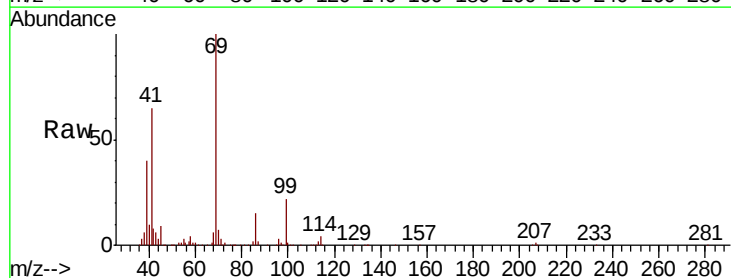
RT: 8.74 min Scan# 823

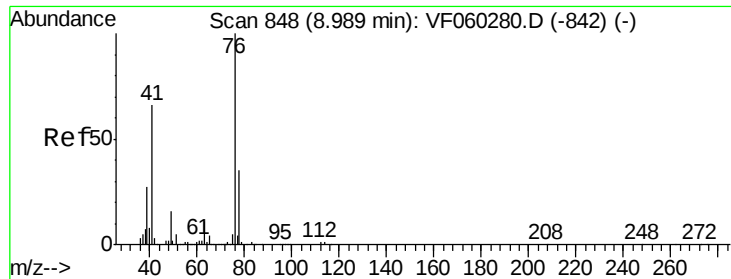
Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Tgt Ion:	69	Resp:	153139
Ion	Ratio	Lower	Upper
69	100		
41	64.5	59.4	89.2
39	39.8	33.5	50.3





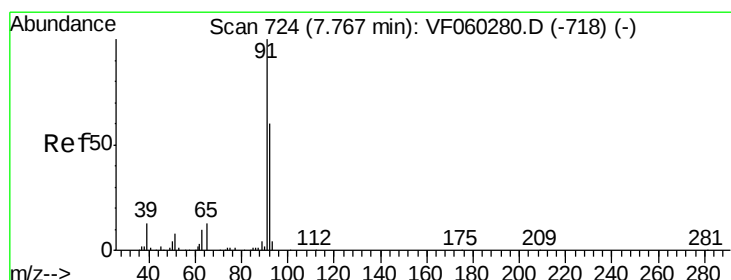
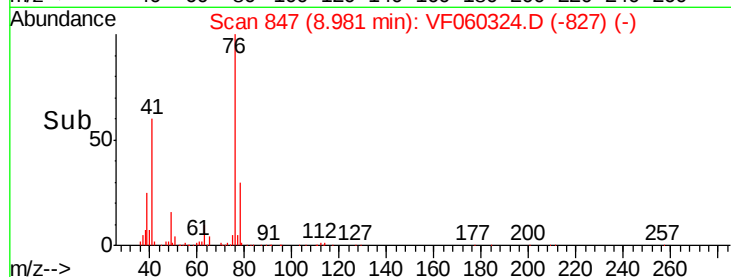
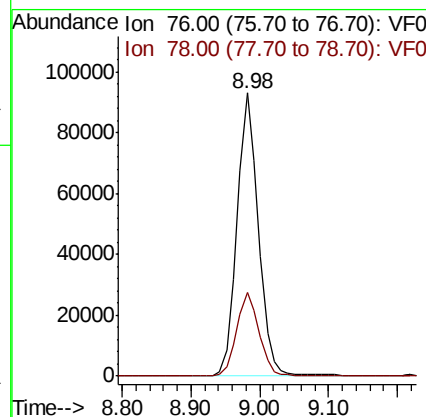
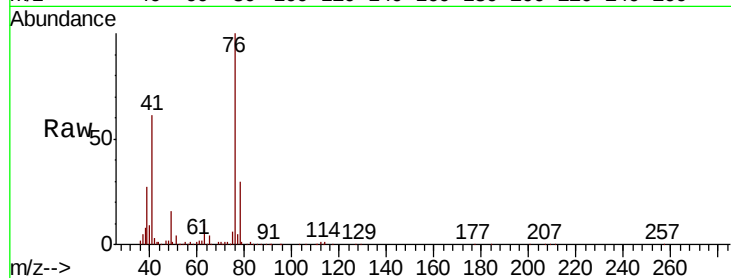
#57
 1,3-Dichloropropane
 Concen: 47.490 ug/l
 RT: 8.98 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	29.5	28.2	42.2

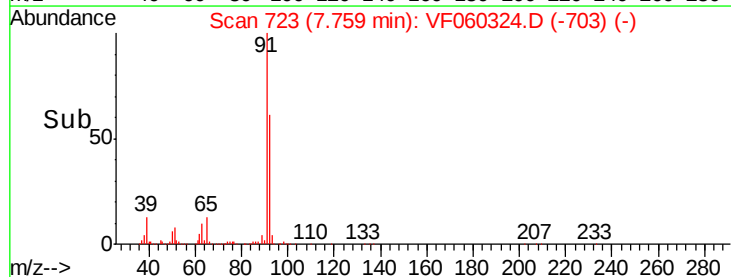
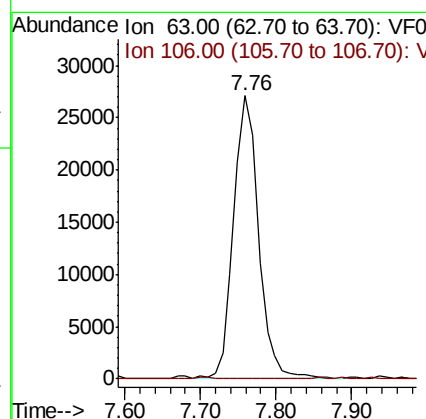
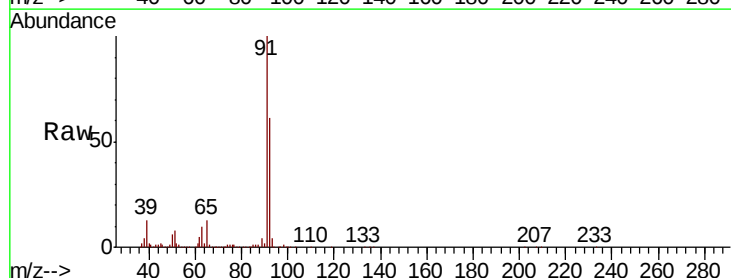
Manual Integrations
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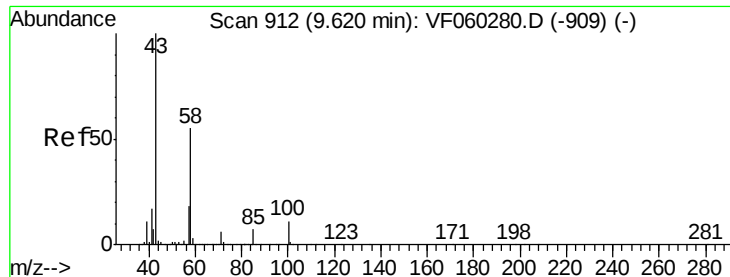
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 229.600 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





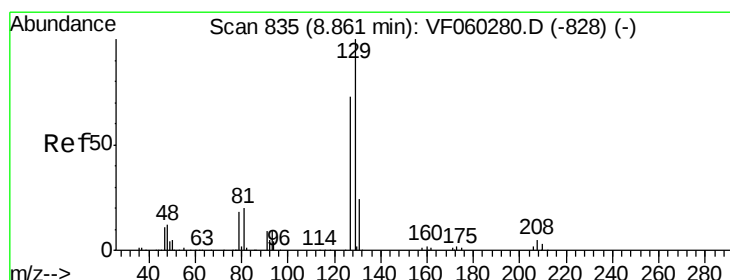
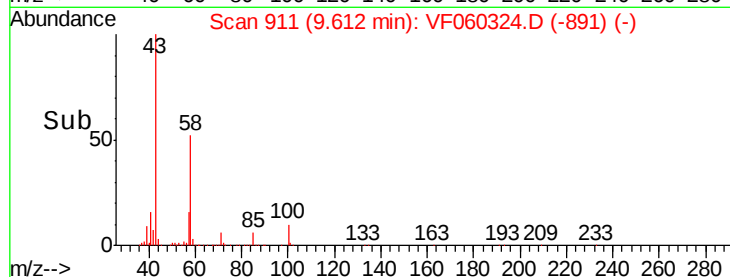
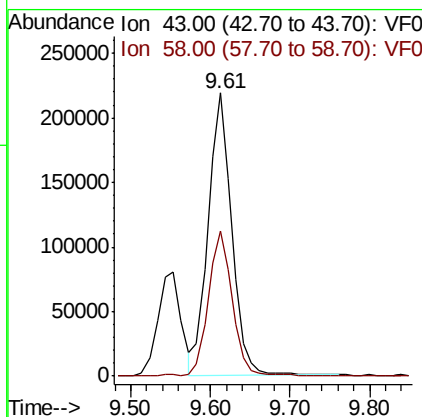
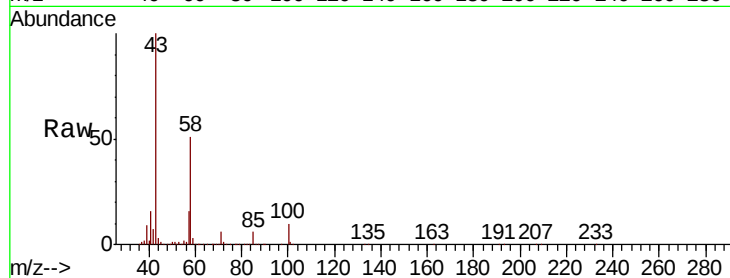
#59
2-Hexanone
Concen: 277.265 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 452735
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.6

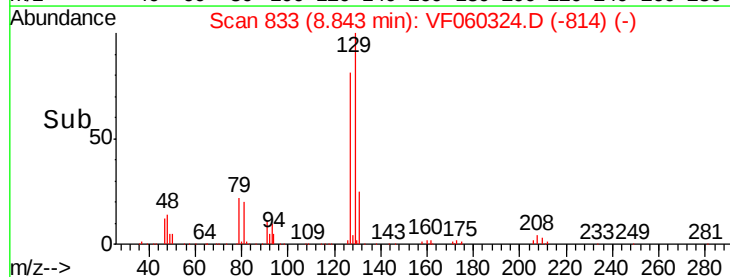
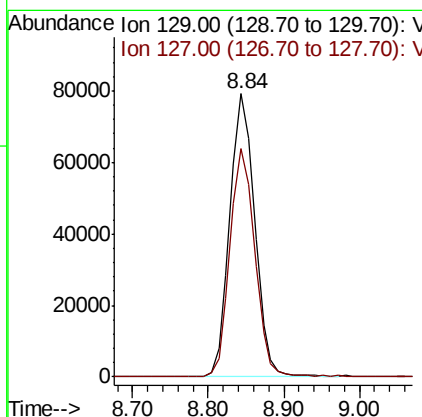
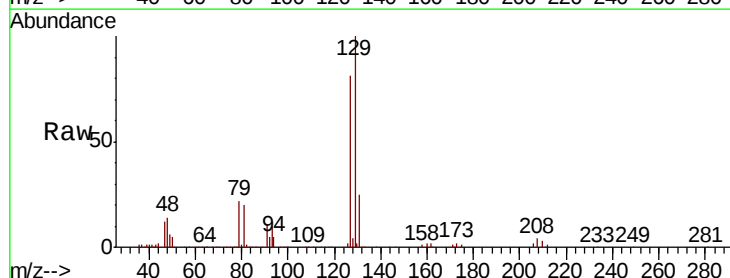
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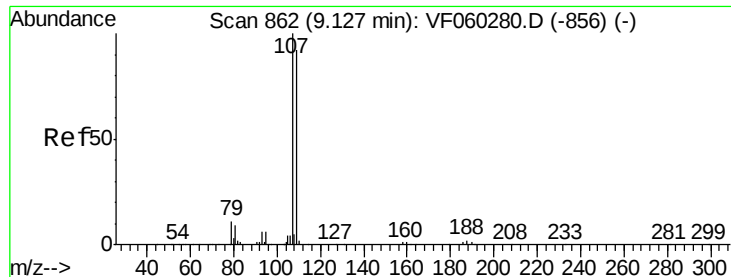
apatel
9/26/2018 11:42:12 AM



#60
Dibromochloromethane
Concen: 47.665 ug/l
RT: 8.84 min Scan# 833
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion: 129 Resp: 180672
Ion Ratio Lower Upper
129 100
127 80.8 36.6 109.8





#61

1,2-Dibromoethane

Concen: 46.462 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 131580

Ion Ratio Lower Upper

107 100

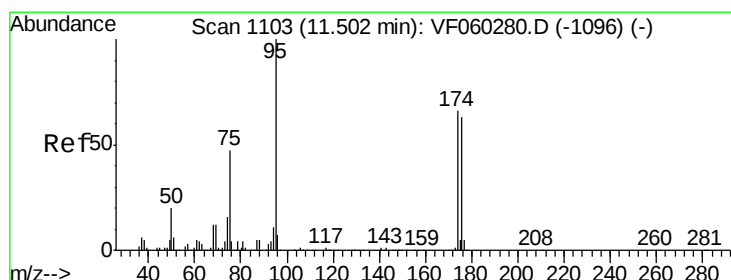
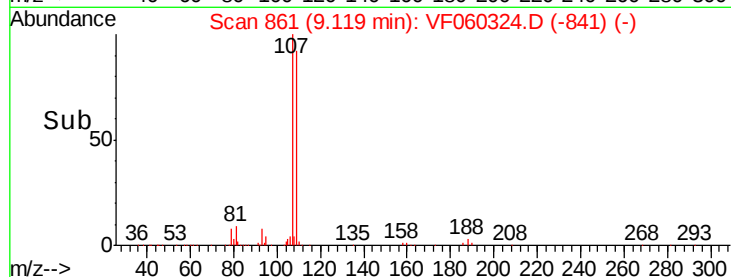
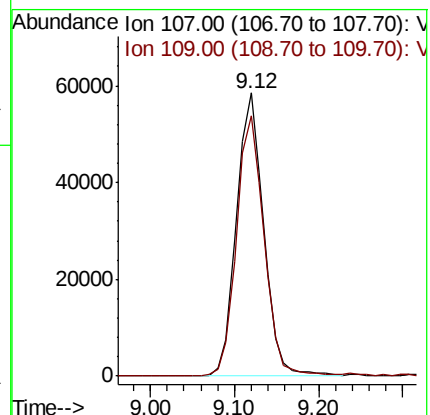
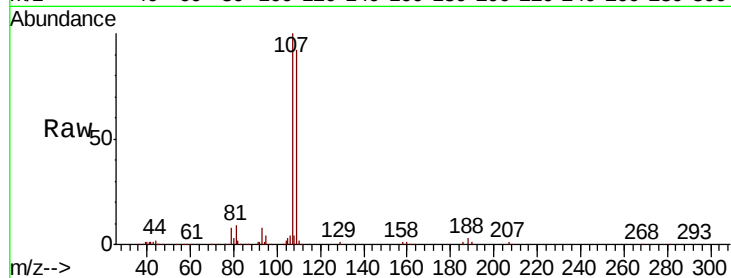
109 92.1 73.2 109.8

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#62

4-Bromofluorobenzene

Concen: 44.933 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

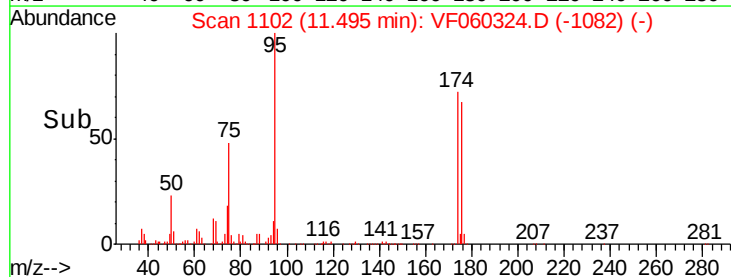
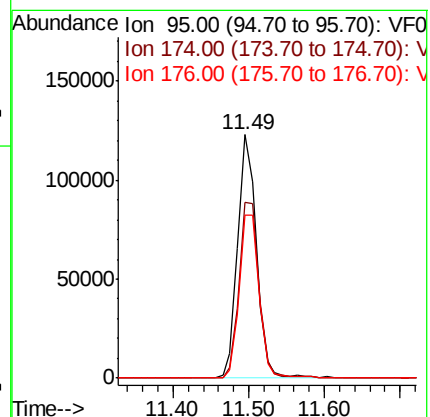
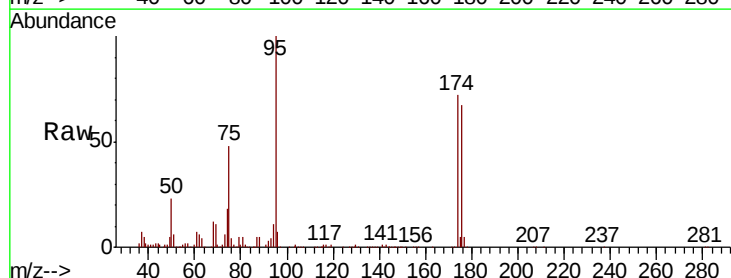
Tgt Ion: 95 Resp: 211152

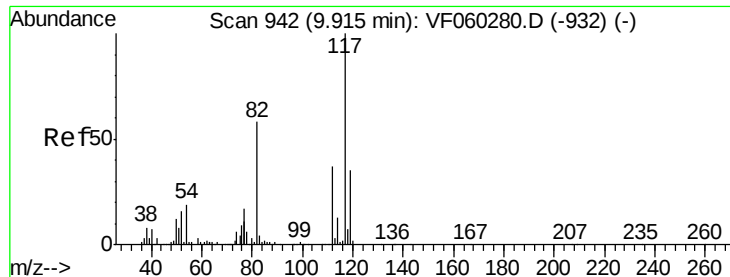
Ion Ratio Lower Upper

95 100

174 72.0 0.0 131.2

176 66.7 0.0 126.6





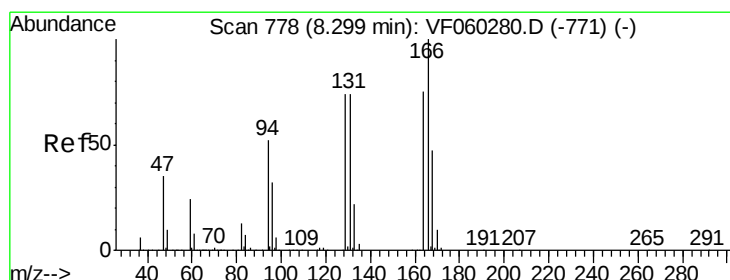
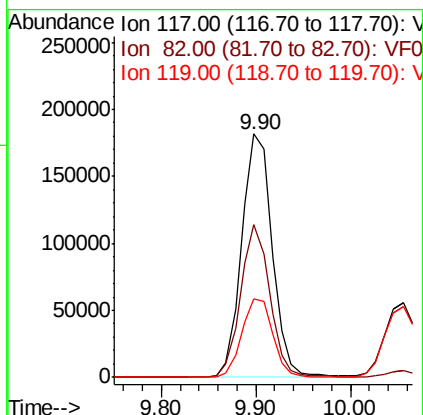
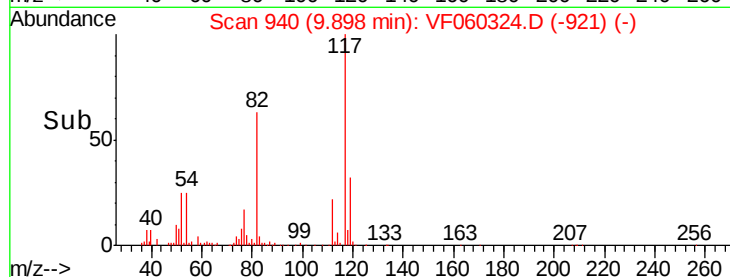
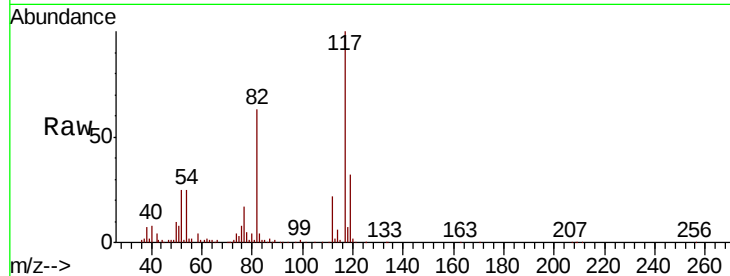
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	117	Resp:	407217
Ion Ratio	Lower	Upper	
117	100		
82	62.7	46.2	69.2
119	32.1	27.8	41.6

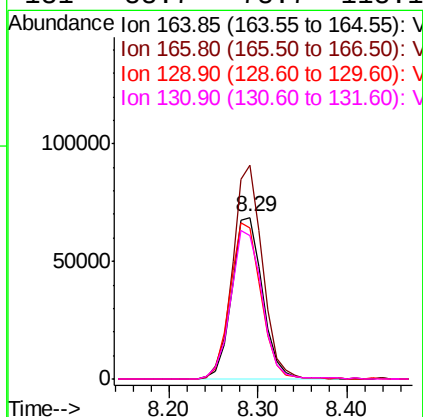
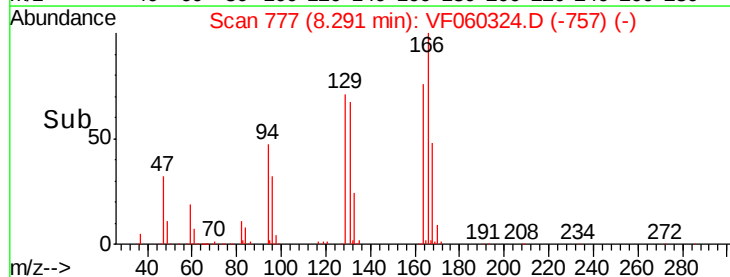
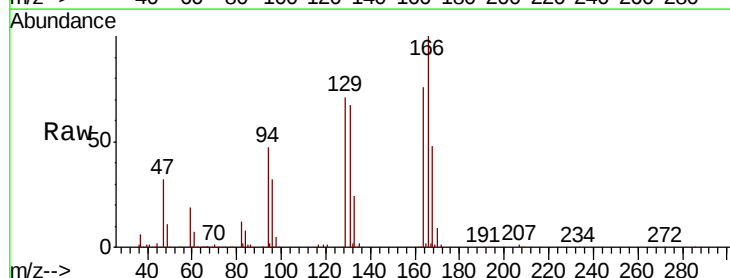
Manual Integrations
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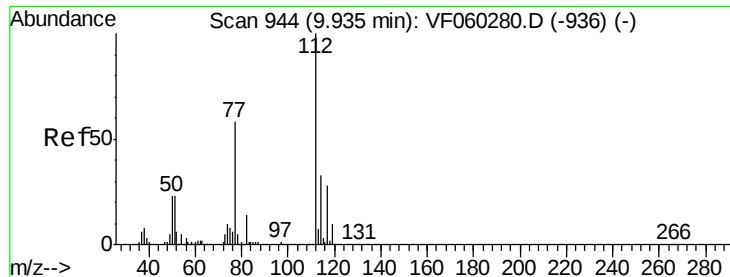
apatel
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#64
Tetrachloroethene
Concen: 44.593 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion:	164	Resp:	164616
Ion Ratio	Lower	Upper	
164	100		
166	132.1	106.8	160.2
129	93.6	78.8	118.2
131	88.7	78.7	118.1





#65

Chlorobenzene

Concen: 47.423 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 437687

Ion Ratio Lower Upper

112 100

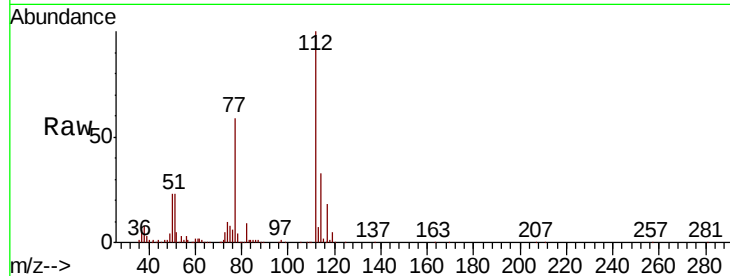
114 33.5 26.6 40.0

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

200000

150000

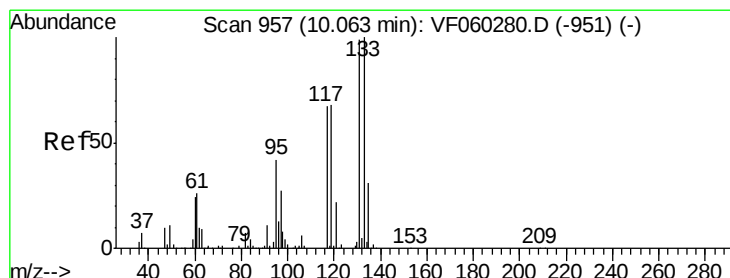
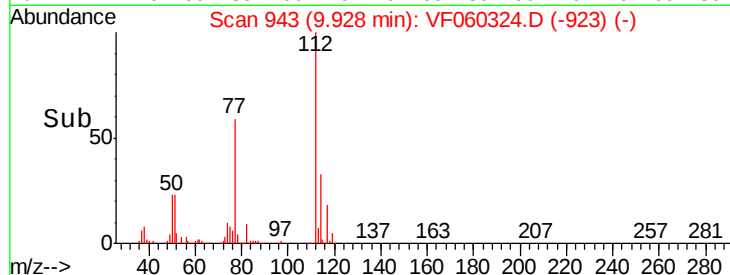
100000

50000

0

9.80 9.90 10.00 10.10

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.788 ug/l

RT: 10.06 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

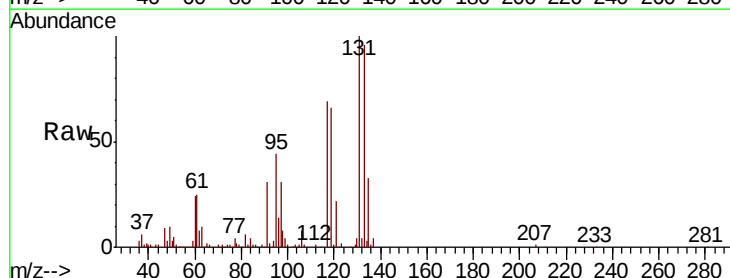
Tgt Ion:131 Resp: 186866

Ion Ratio Lower Upper

131 100

133 96.5 50.4 151.2

119 66.2 34.8 104.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

100000

80000

60000

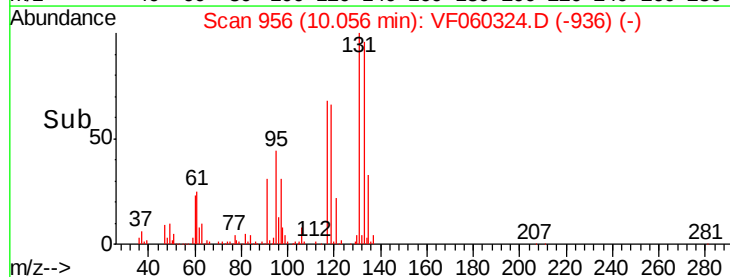
40000

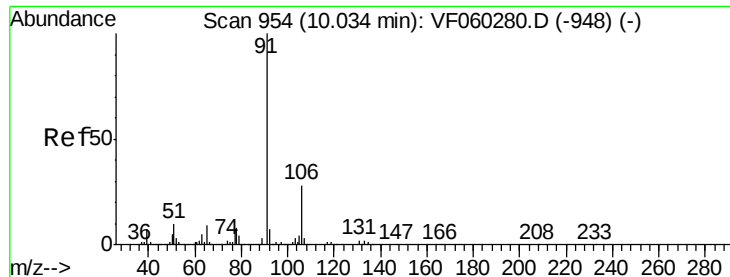
20000

0

9.90 10.00 10.10 10.20

Time-->





#67

Ethyl Benzene

Concen: 46.911 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 800511

Ion Ratio Lower Upper

91 100

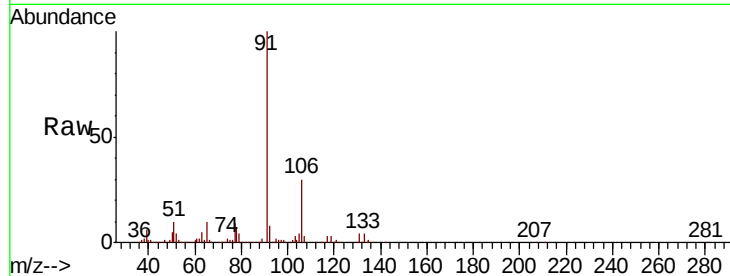
106 29.9 22.7 34.1

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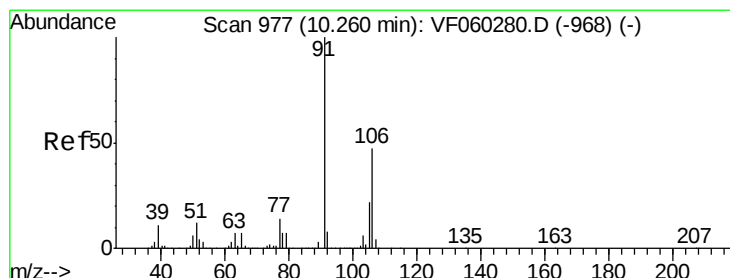
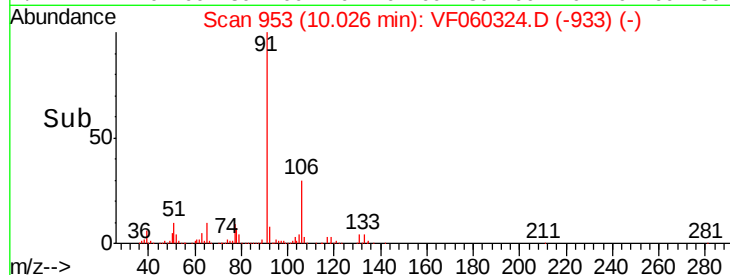
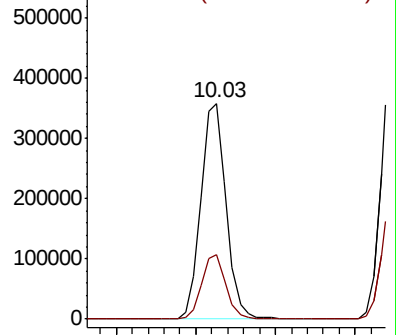
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 93.948 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060324.D

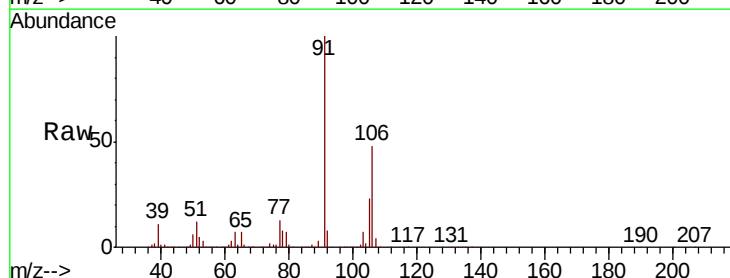
Acq: 25 Sep 2018 13:58

Tgt Ion: 106 Resp: 553882

Ion Ratio Lower Upper

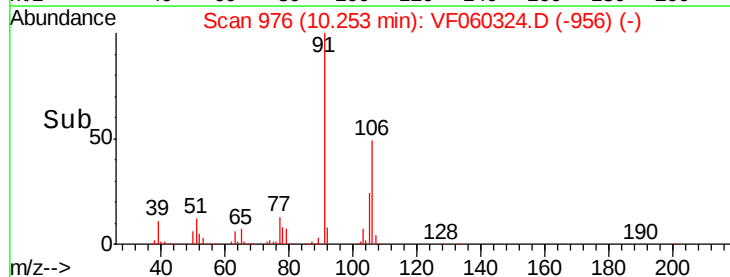
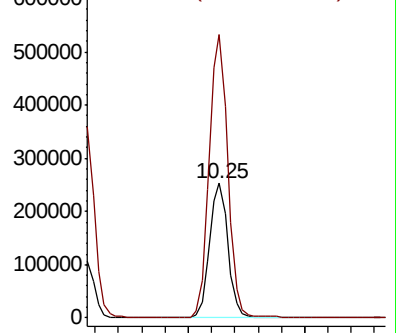
106 100

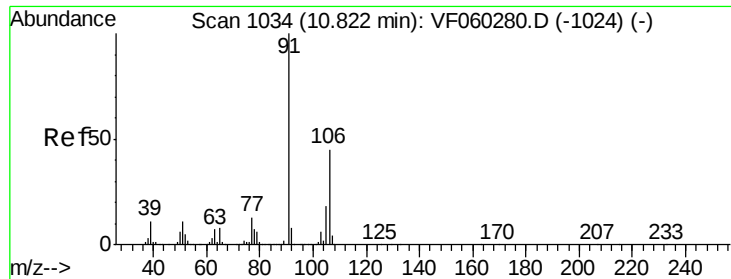
91 209.9 172.3 258.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





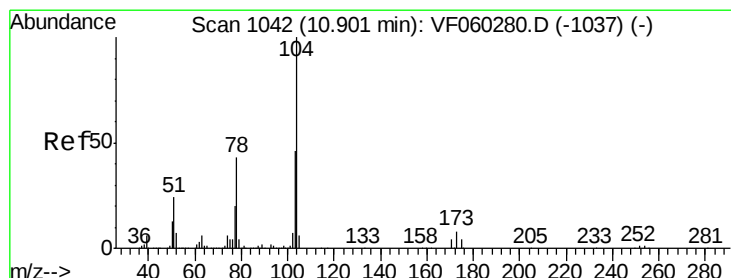
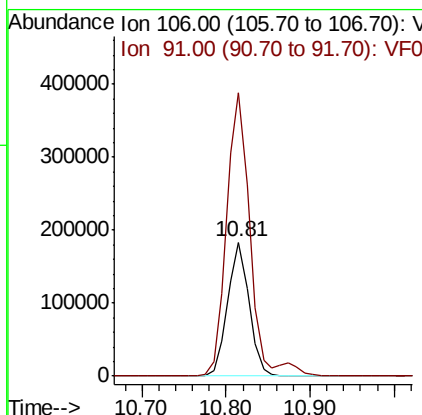
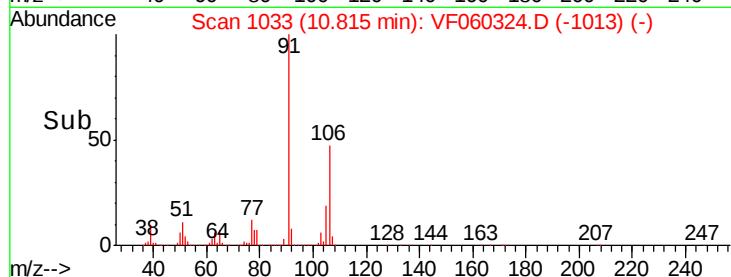
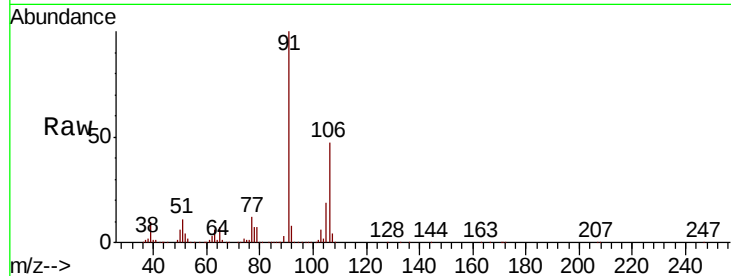
#69
o-Xylene
Concen: 49.533 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.8	110.9	332.6	

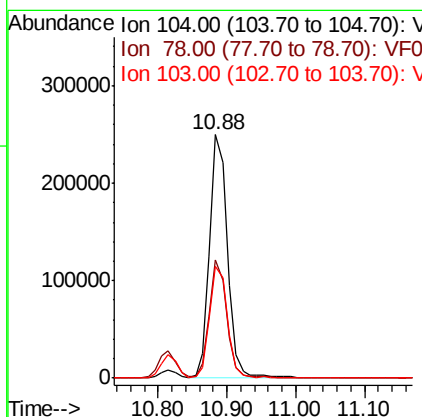
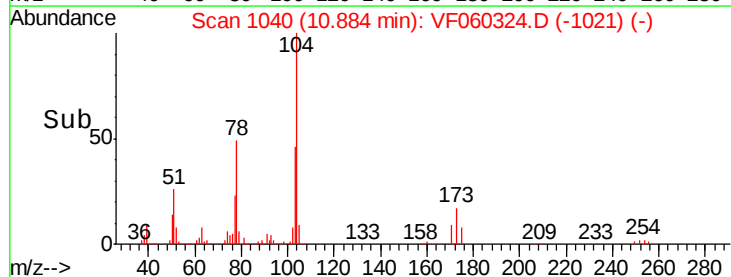
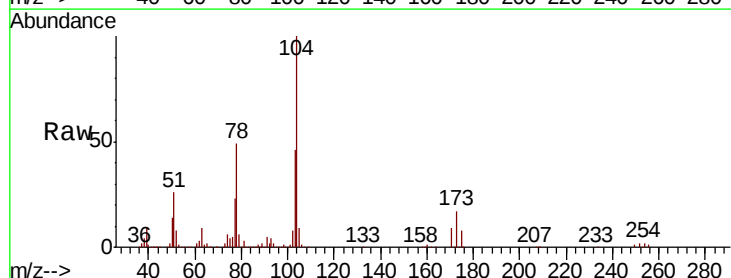
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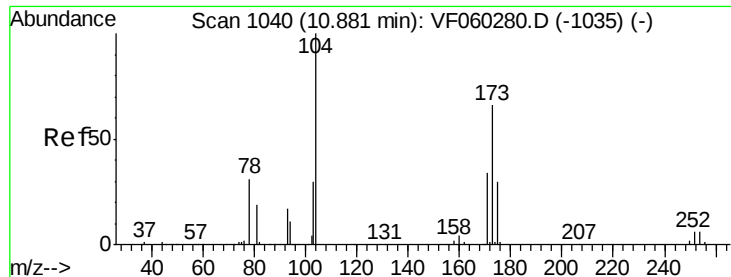
apatel
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#70
Styrene
Concen: 48.656 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. -0.02 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.8	35.0	52.6	
103	45.8	37.4	56.0	





#71

Bromoform

Concen: 47.946 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

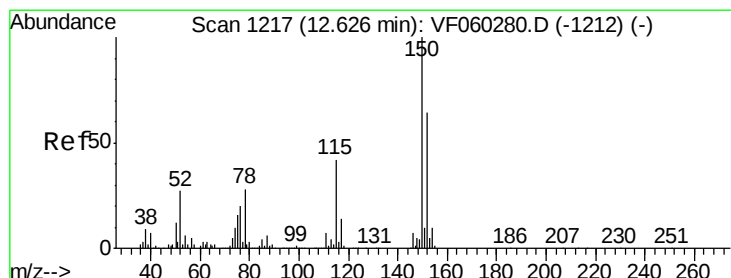
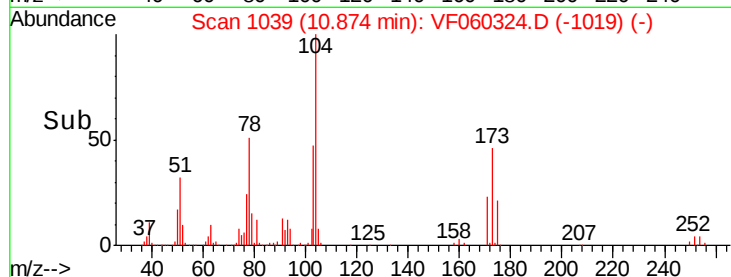
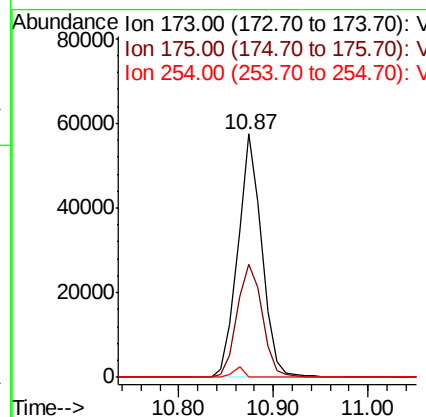
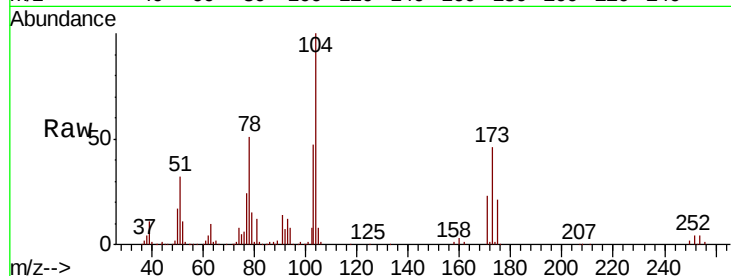
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	100855
Ion Ratio	Lower	Upper	
173	100		
175	46.9	22.3	66.9
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

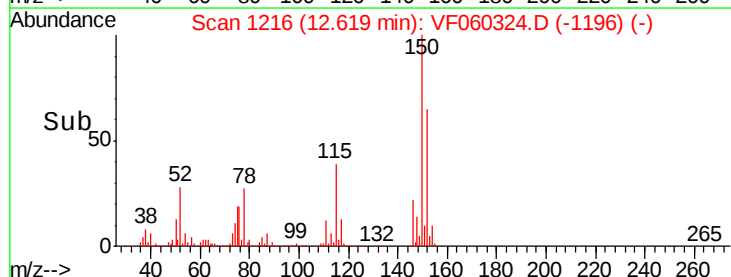
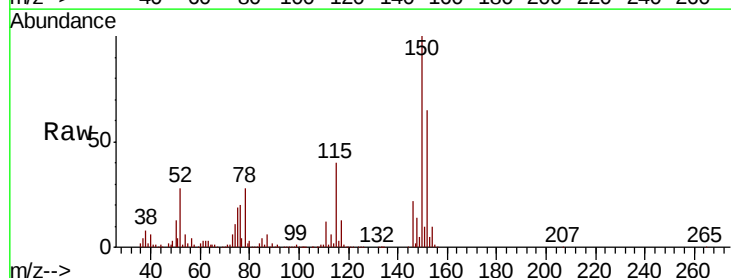
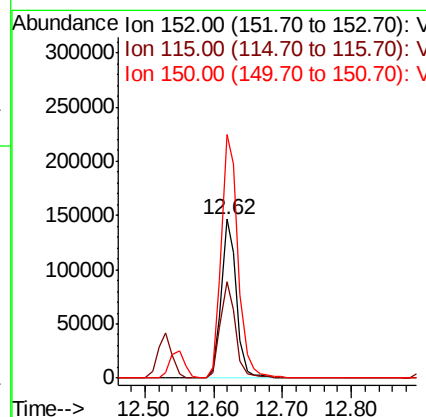
RT: 12.62 min Scan# 1216

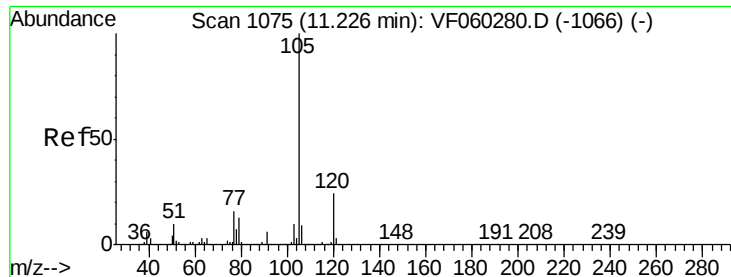
Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Tgt Ion:	152	Resp:	222798
Ion Ratio	Lower	Upper	
152	100		
115	60.6	32.6	97.8
150	153.1	0.0	314.2





#73

Isopropylbenzene

Concen: 46.445 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 928946

Ion Ratio Lower Upper

105 100

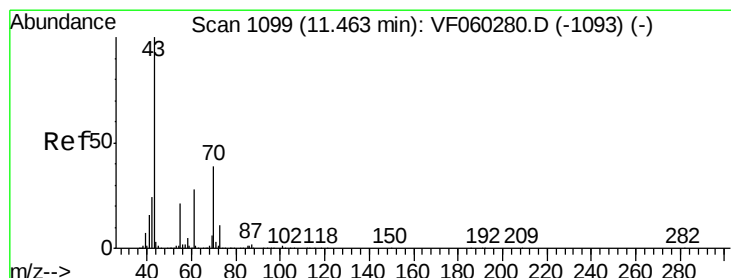
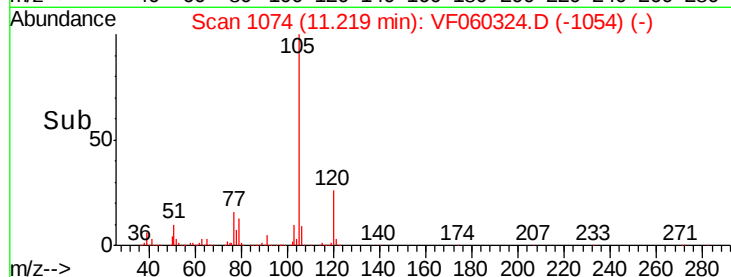
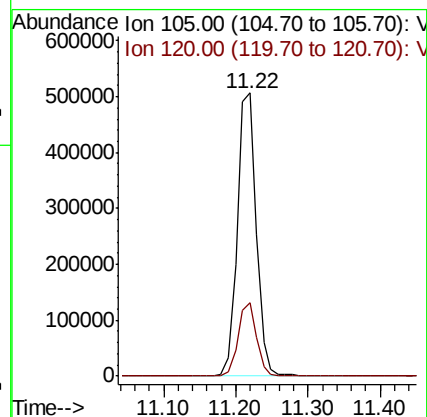
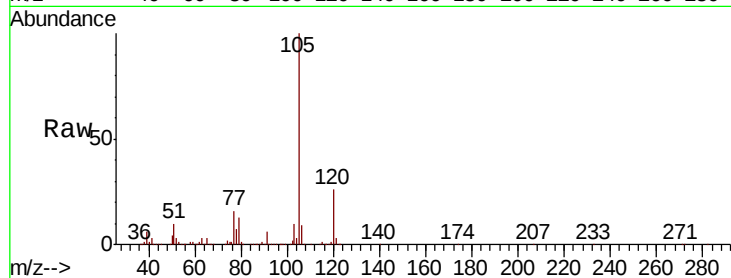
120 25.8 12.2 36.6

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#74

N-ethyl acetate

Concen: 48.757 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Tgt Ion: 43 Resp: 207956

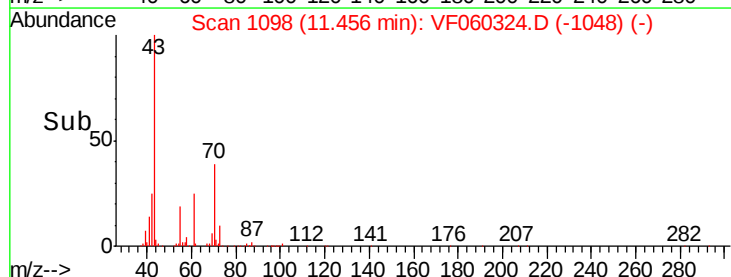
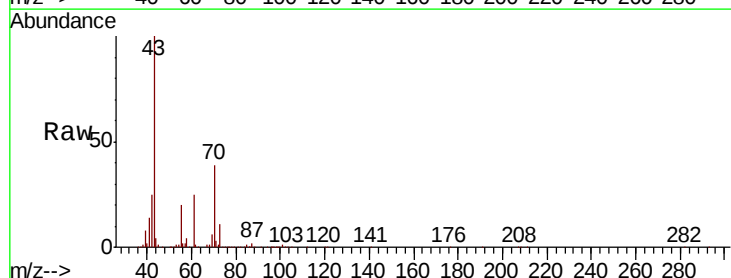
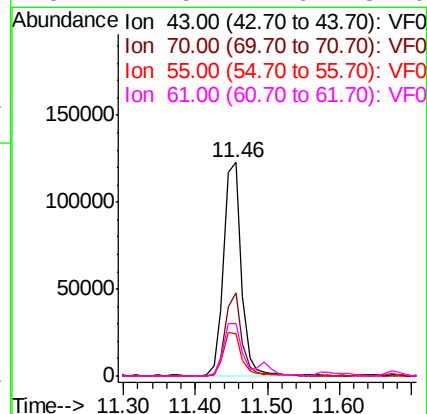
Ion Ratio Lower Upper

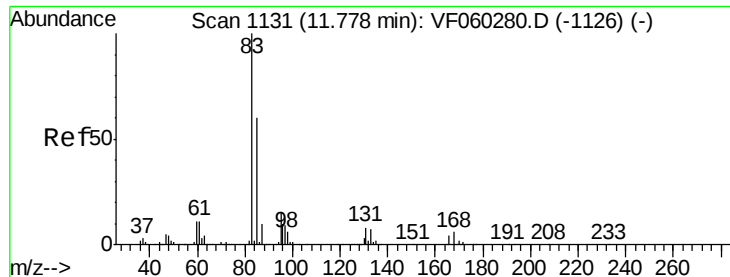
43 100

70 38.8 31.4 47.2

55 19.7 16.8 25.2

61 24.5 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.373 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

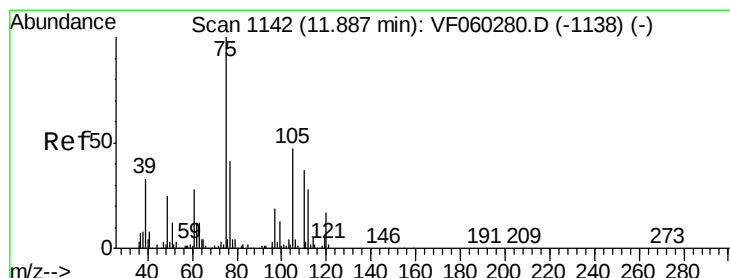
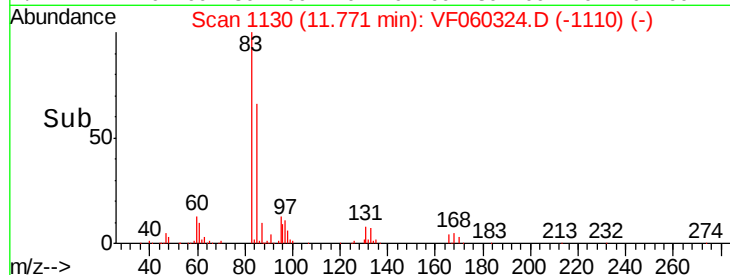
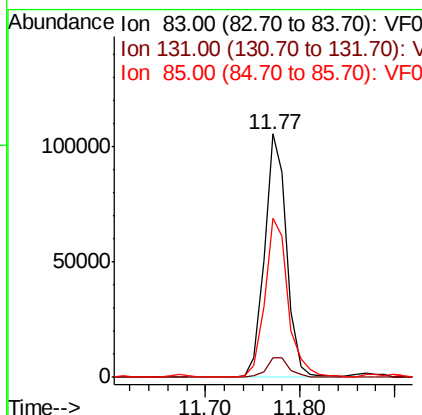
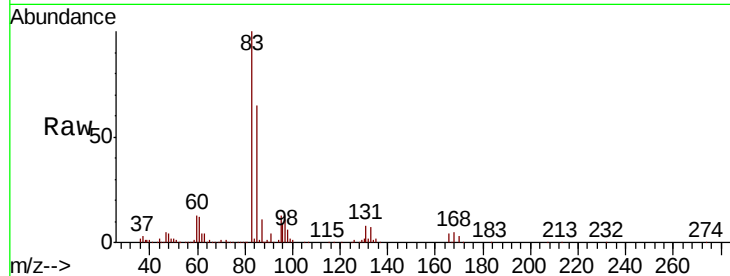
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	171467
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.2	12.4
85	65.5	30.1	90.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.304 ug/l

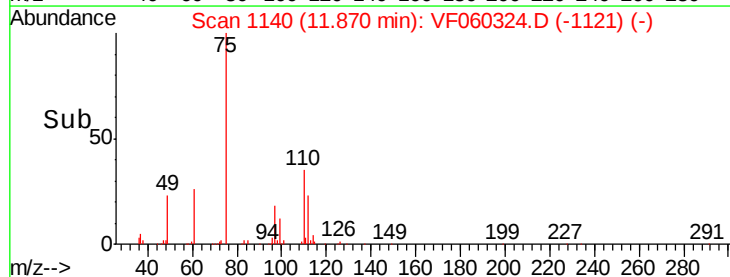
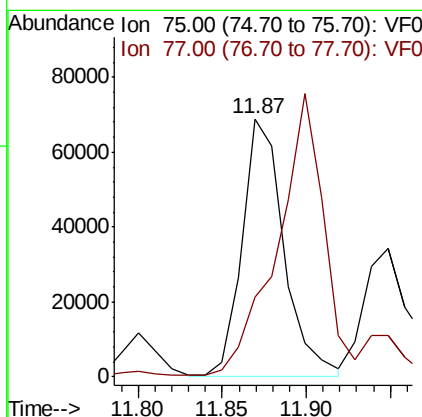
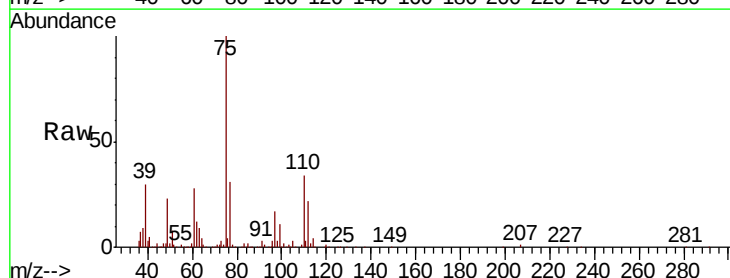
RT: 11.87 min Scan# 1140

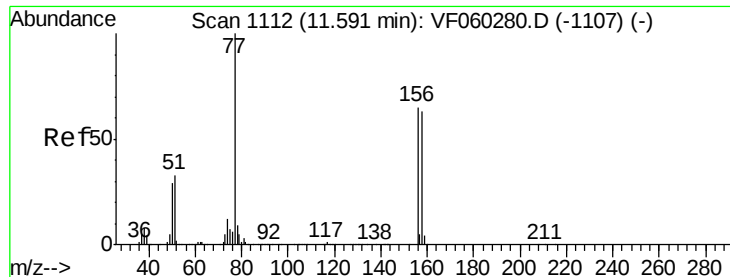
Delta R.T. -0.02 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Tgt Ion:	75	Resp:	117521
Ion Ratio	Lower	Upper	
75	100		
77	31.2	20.5	61.5





#77

Bromobenzene

Concen: 45.136 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

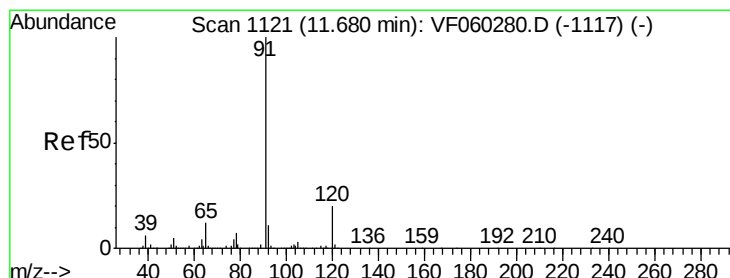
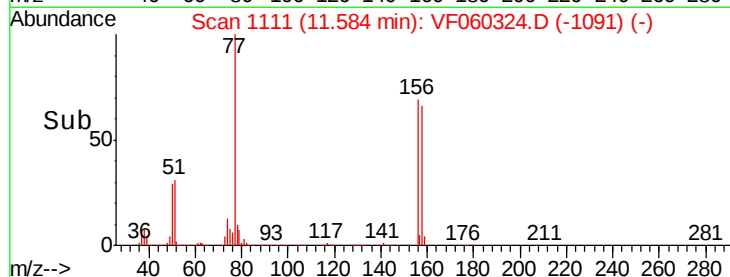
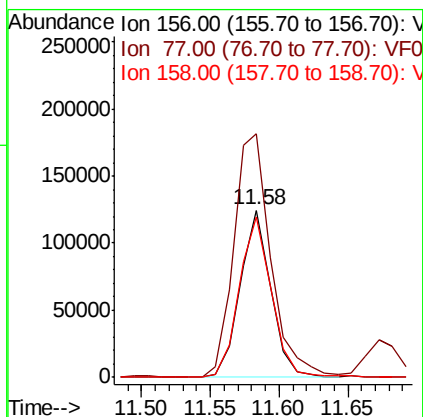
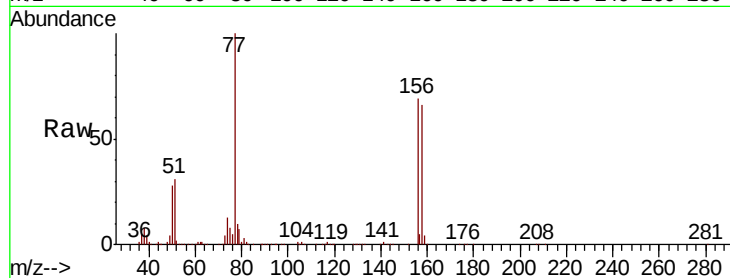
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	194558
Ion Ratio	Lower	Upper	
156	100		
77	145.7	77.3	232.1
158	96.3	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 57.122 ug/l

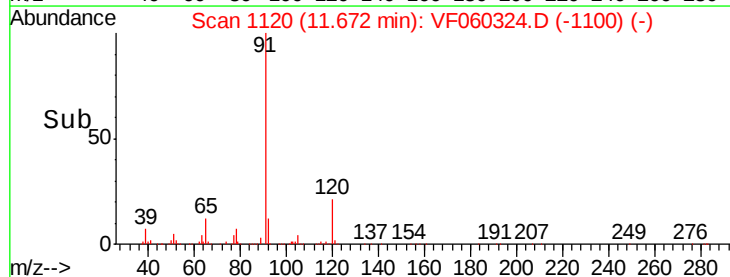
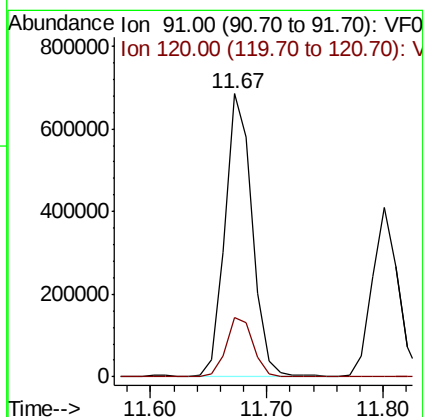
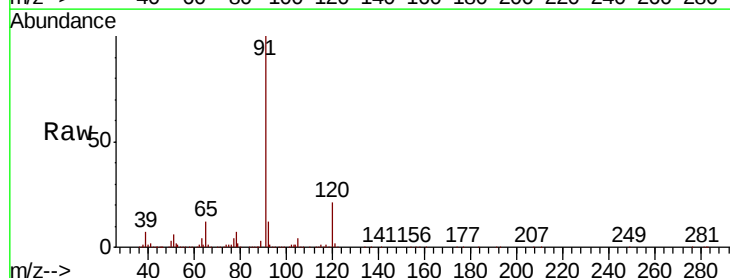
RT: 11.67 min Scan# 1120

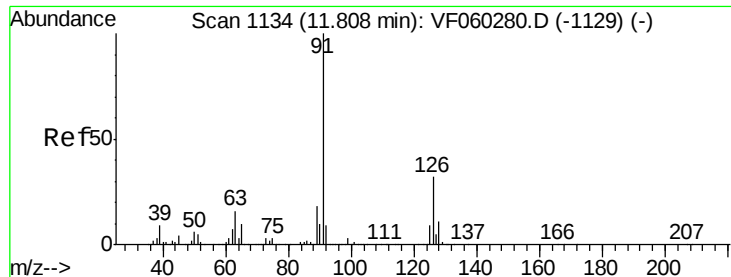
Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Tgt Ion:	91	Resp:	1102506
Ion Ratio	Lower	Upper	
91	100		
120	20.8	10.0	29.8





#79

2-Chlorotoluene

Concen: 46.165 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 622853

Ion Ratio Lower Upper

91 100

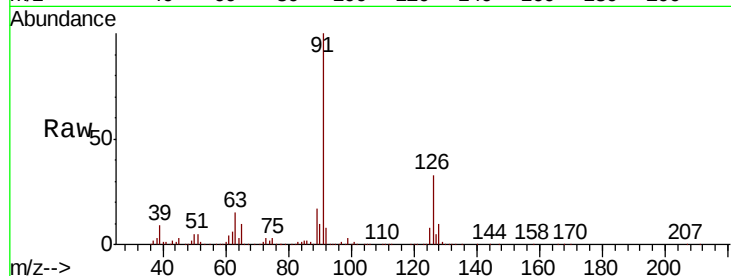
126 33.0 16.1 48.3

Manual Integrations

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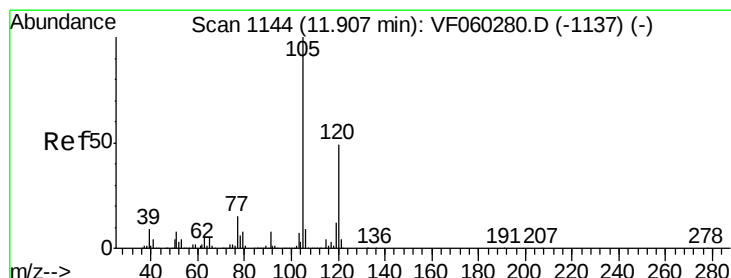
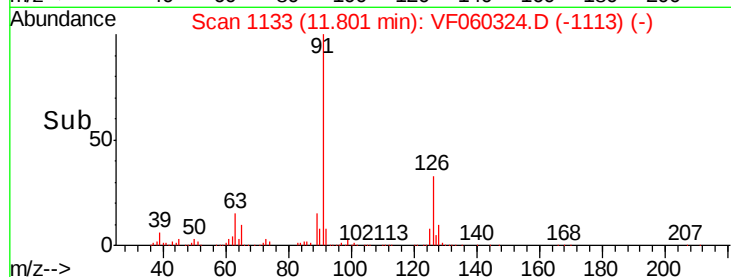
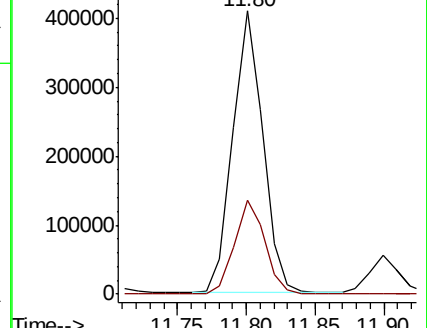
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 48.605 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060324.D

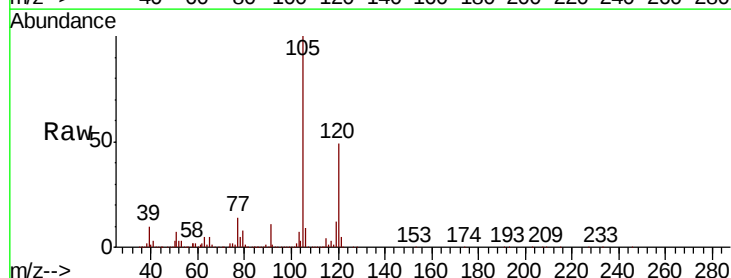
Acq: 25 Sep 2018 13:58

Tgt Ion: 105 Resp: 782555

Ion Ratio Lower Upper

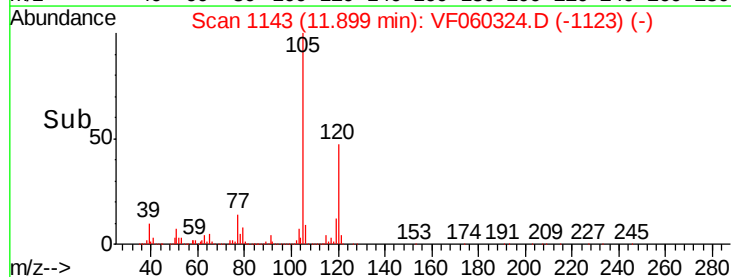
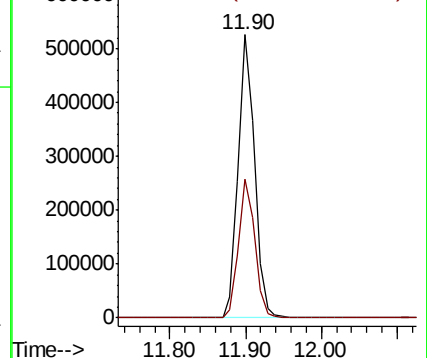
105 100

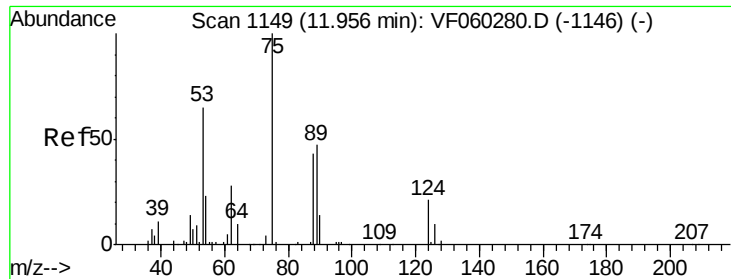
120 48.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





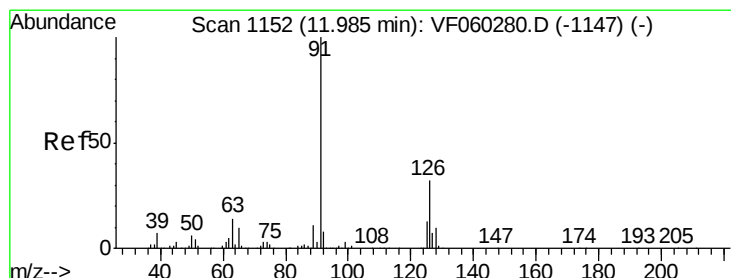
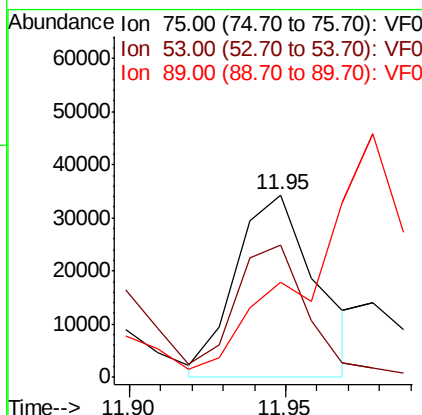
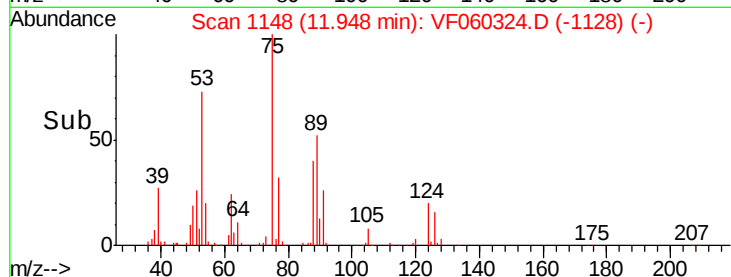
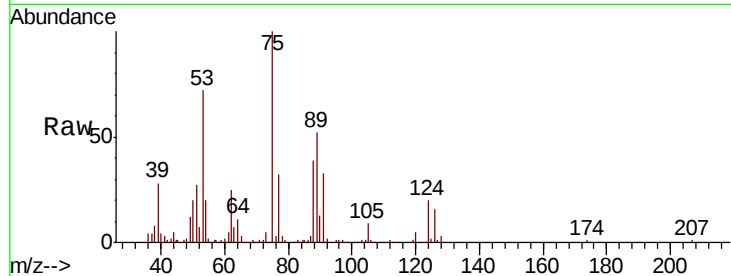
#81
trans-1,4-Dichloro-2-butene
Concen: 46.116 ug/l m
RT: 11.95 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	72.4	56.5	84.7
89	51.8	40.6	60.8

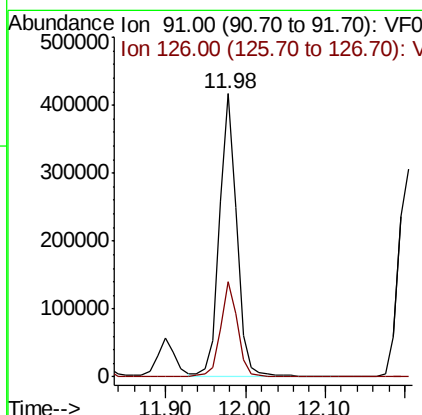
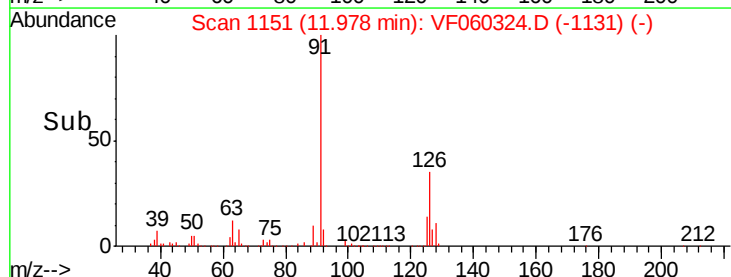
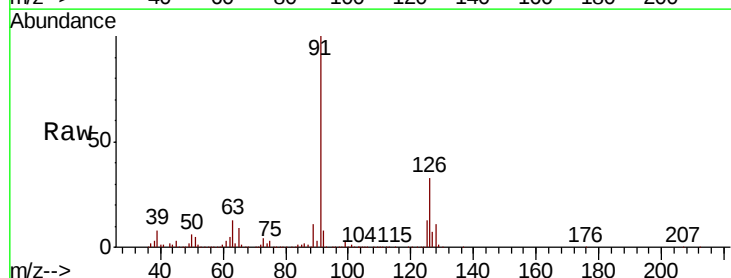
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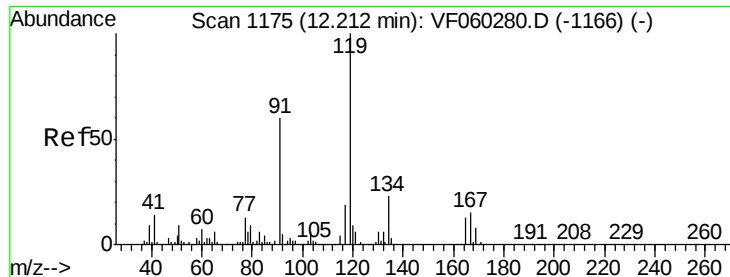
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#82
4-Chlorotoluene
Concen: 47.132 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.1	48.2





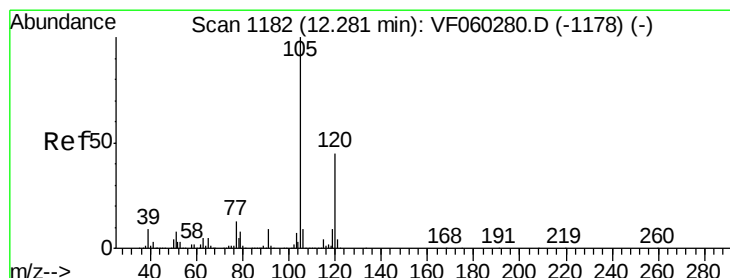
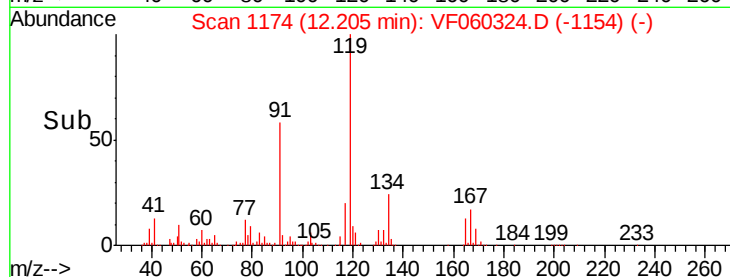
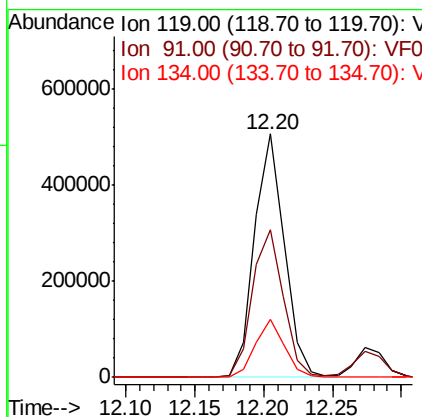
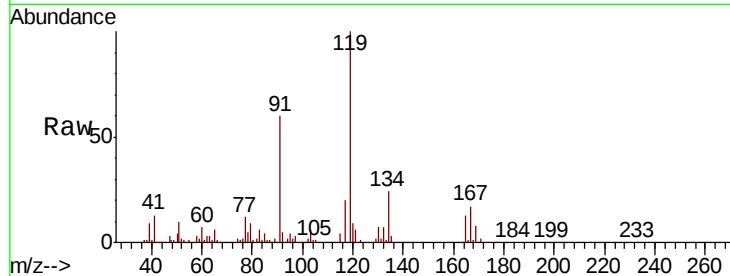
#83
tert-Butylbenzene
Concen: 47.542 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	775943		
91	60.4		30.3	91.0
134	24.1		11.6	34.8

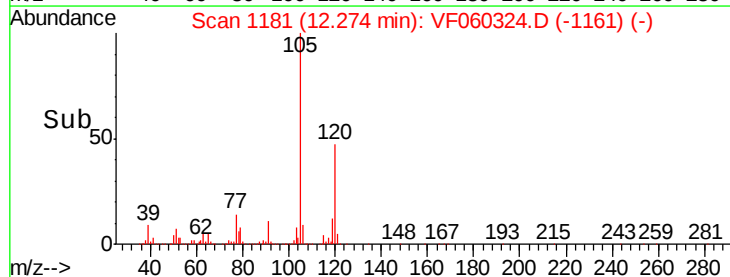
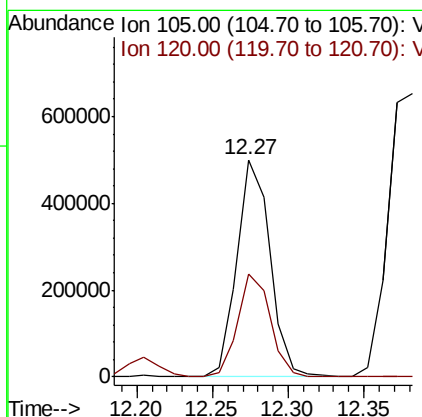
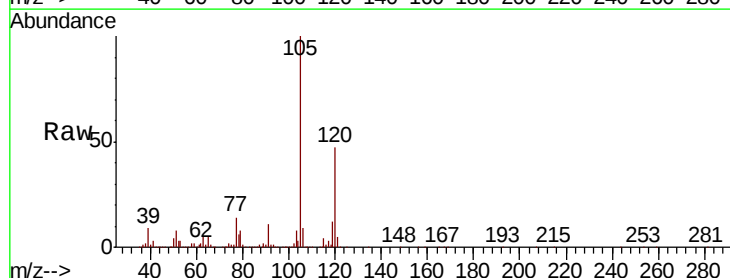
Manual Integrations
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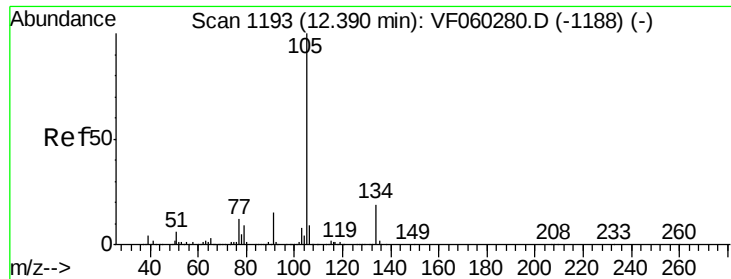
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#84
1,2,4-Trimethylbenzene
Concen: 46.669 ug/l
RT: 12.27 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	762974		
120	47.2		22.4	67.0





#85

sec-Butylbenzene

Concen: 57.771 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1073199

Ion Ratio Lower Upper

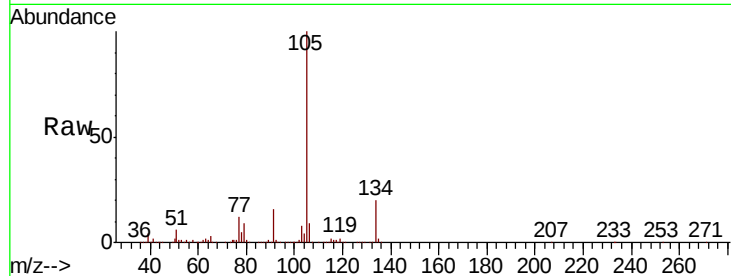
105 100

134 19.5 9.6 28.6

Manual Integrations
APPROVED

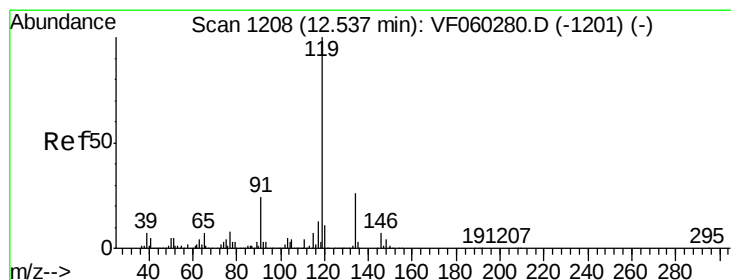
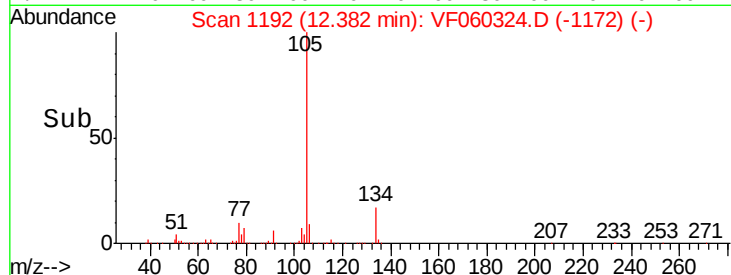
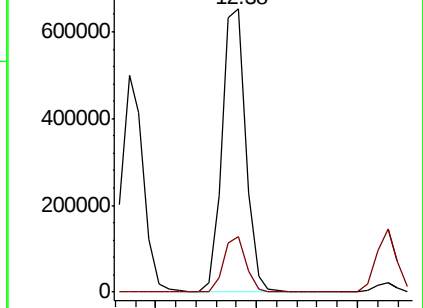
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.899 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060324.D

Acq: 25 Sep 2018 13:58

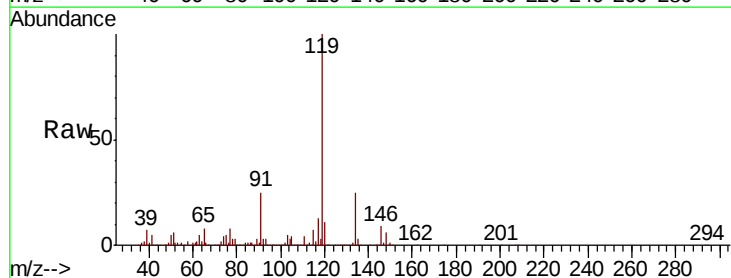
Tgt Ion:119 Resp: 834594

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

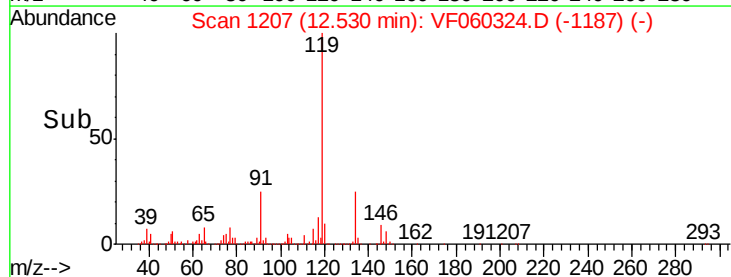
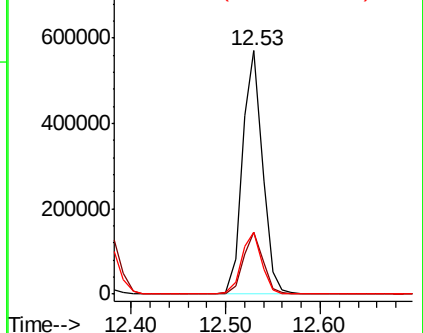
91 25.3 11.9 35.7

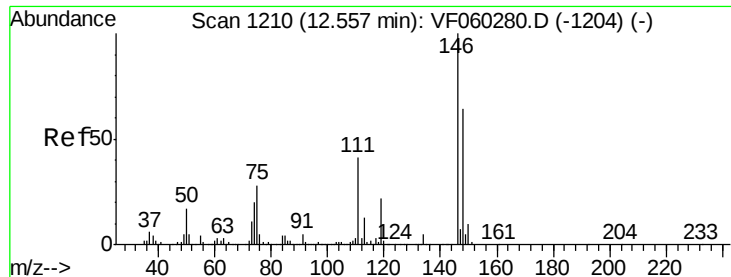


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





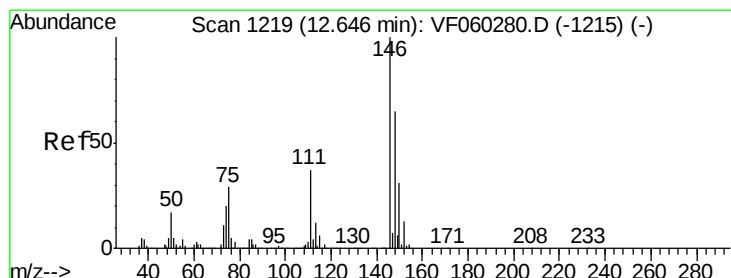
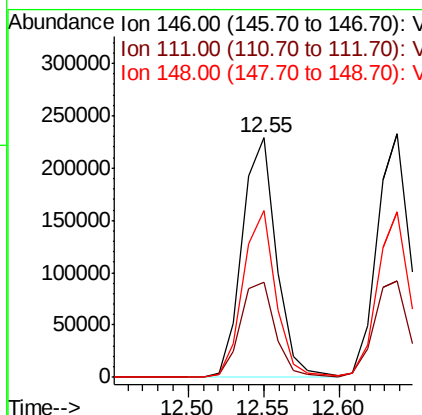
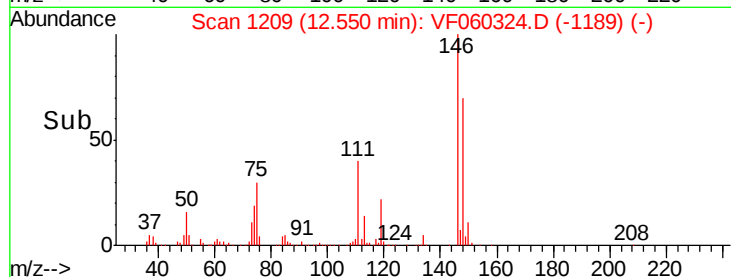
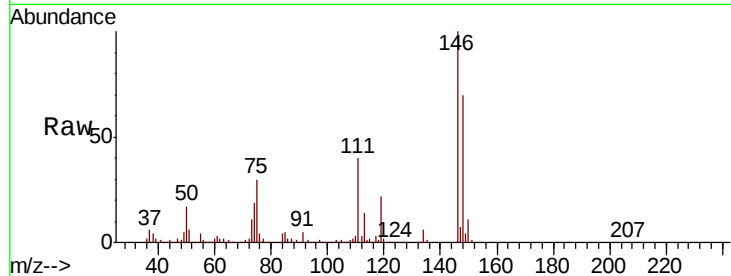
#87
 1,3-Dichlorobenzene
 Concen: 44.639 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.5	61.6
148	69.7	32.2	96.6

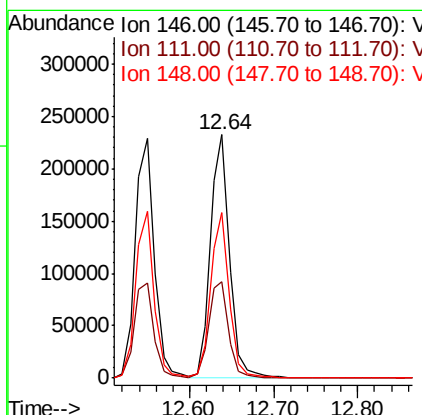
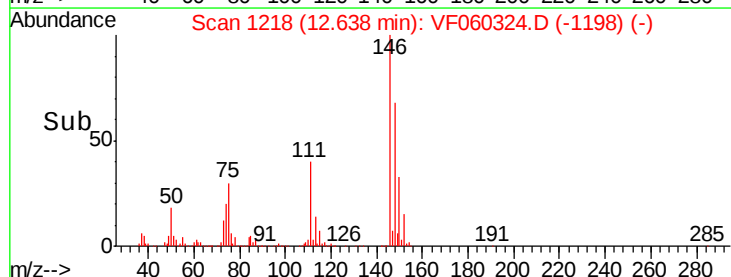
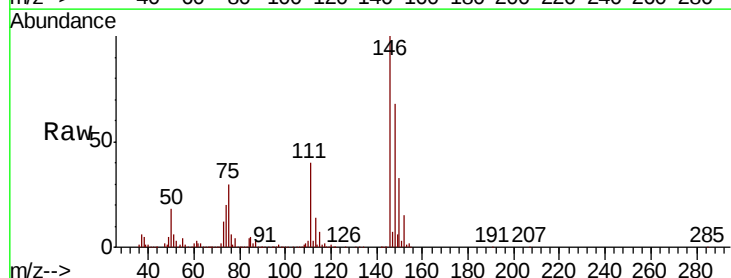
Manual Integrations
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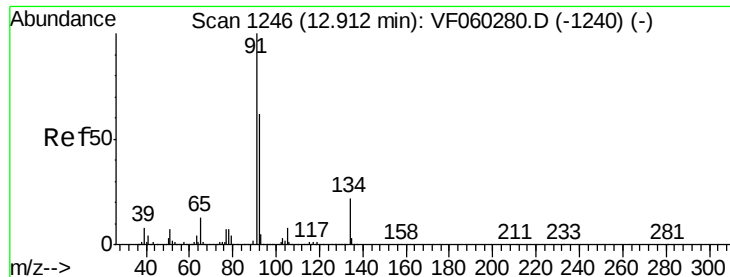
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#88
 1,4-Dichlorobenzene
 Concen: 45.776 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.7	56.1
148	67.7	32.4	97.0





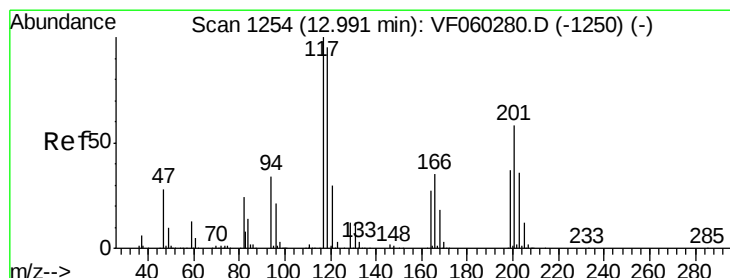
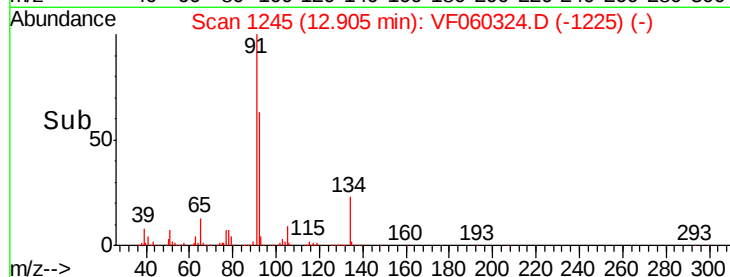
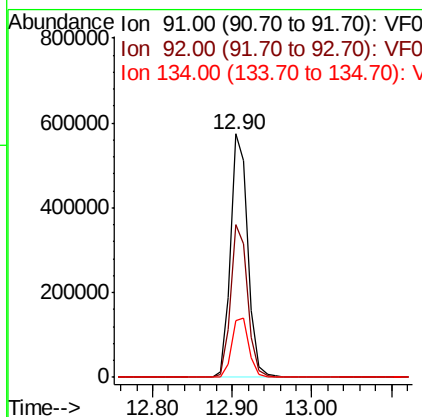
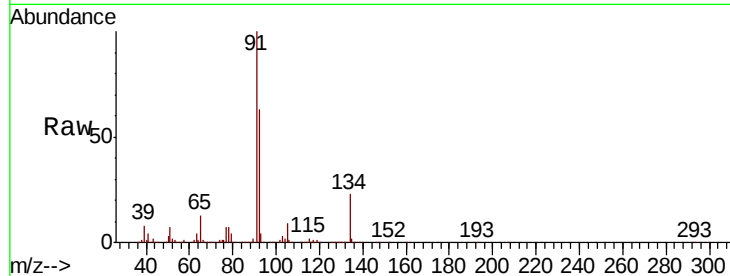
#89
n-Butylbenzene
Concen: 52.279 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	91	Resp:	880893
Ion Ratio	Lower	Upper	
91	100		
92	63.0	31.1	93.5
134	23.2	11.0	33.0

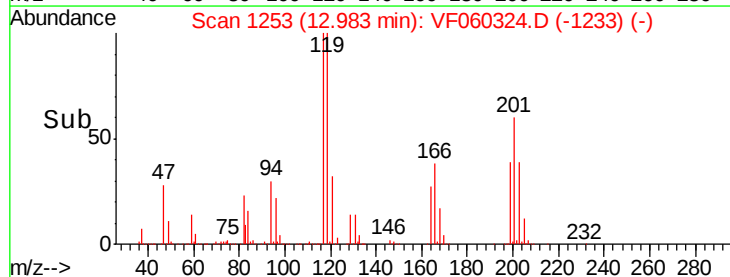
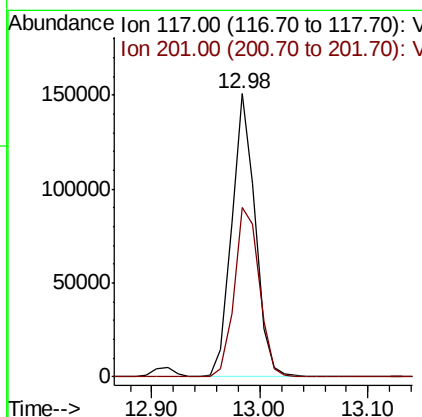
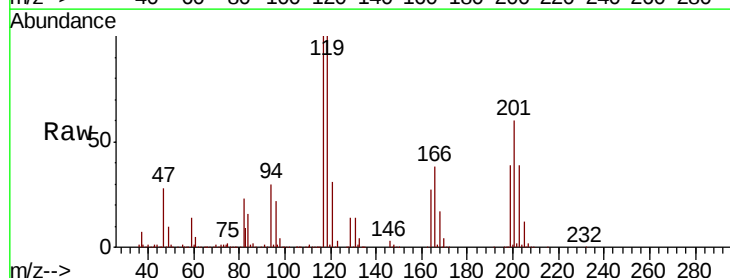
Manual Integrations
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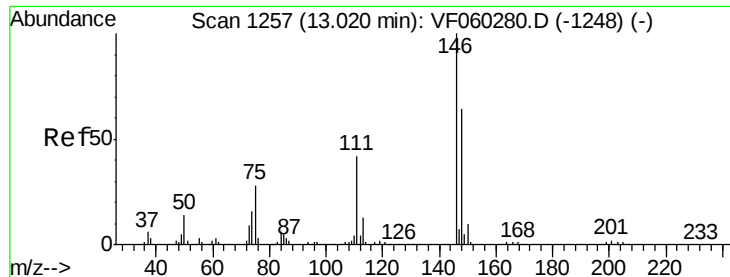
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#90
Hexachloroethane
Concen: 49.899 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion:	117	Resp:	227891
Ion Ratio	Lower	Upper	
117	100		
201	60.0	29.0	87.0





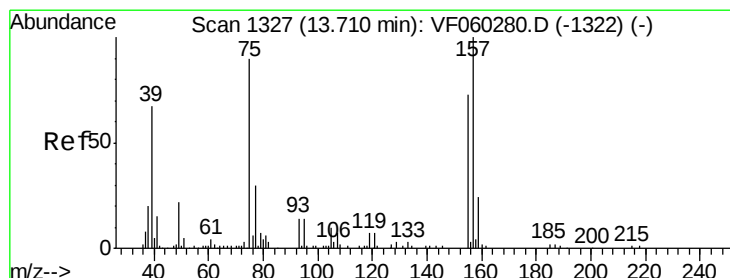
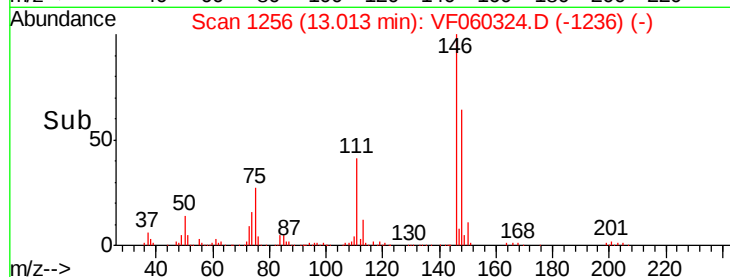
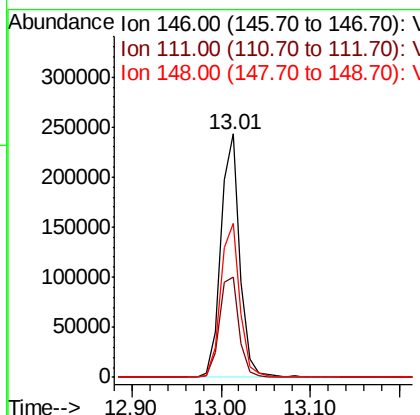
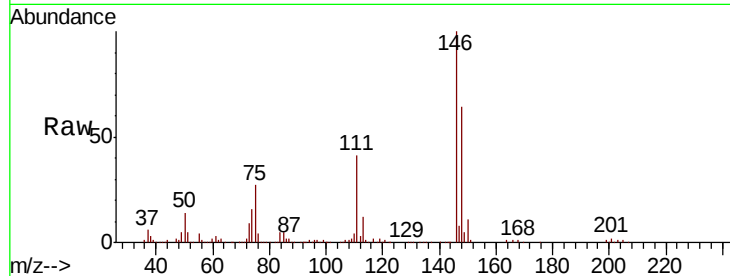
#91
 1,2-Dichlorobenzene
 Concen: 47.206 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.9	62.8
148	63.5	31.9	95.9

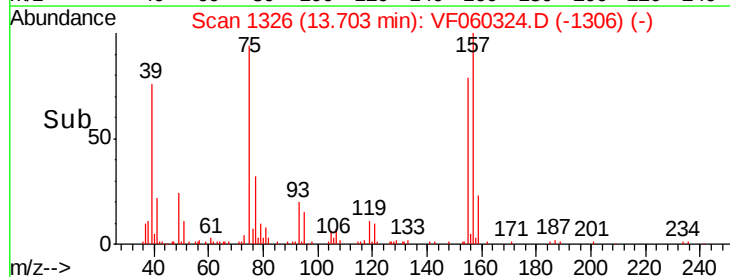
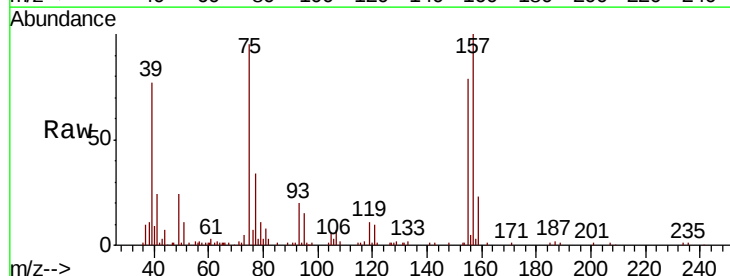
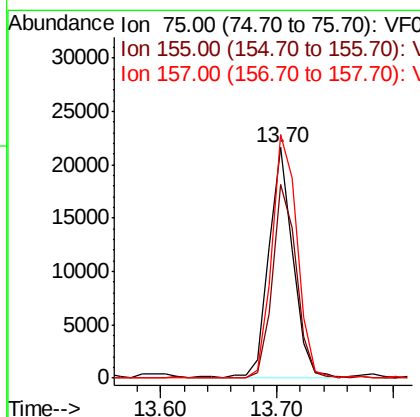
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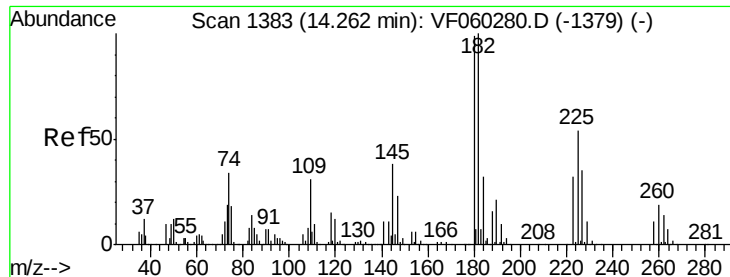
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.689 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	41.9	125.7
157	105.7	57.4	172.0





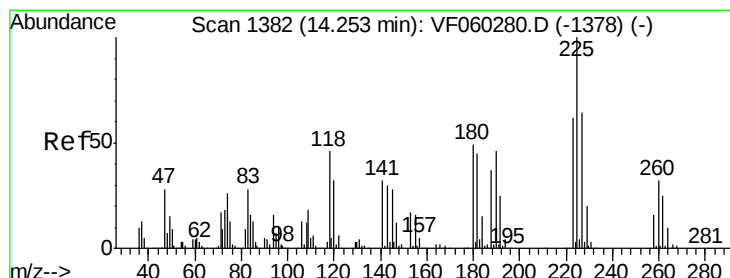
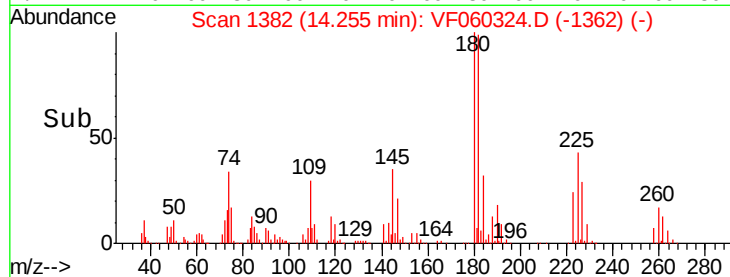
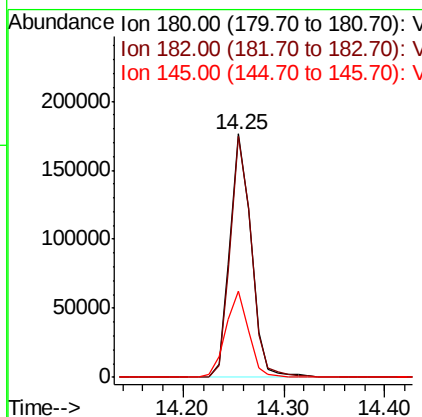
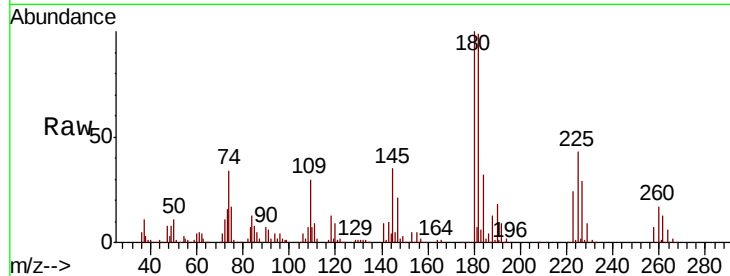
#93
 1,2,4-Trichlorobenzene
 Concen: 46.319 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.8	50.3	151.0	
145	35.5	18.9	56.9	

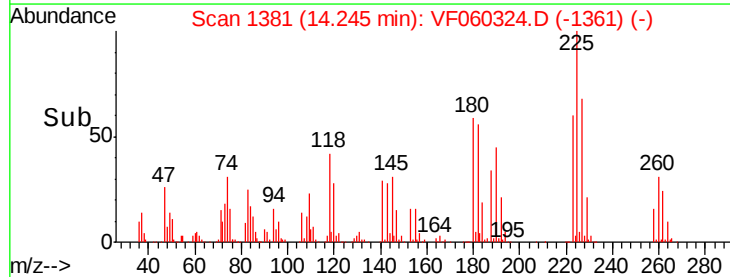
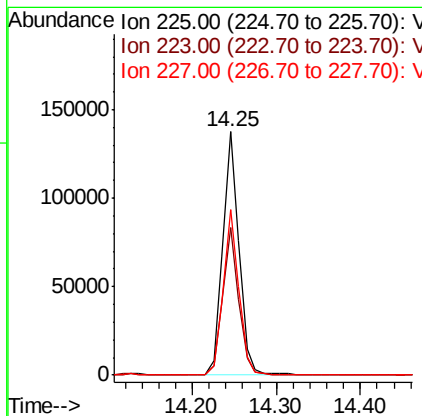
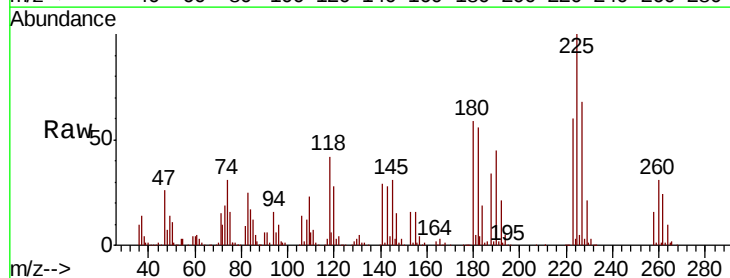
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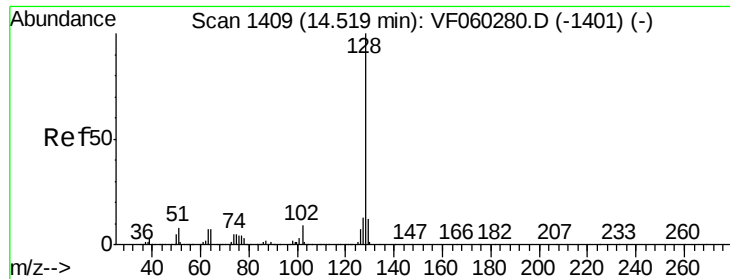
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#94
 Hexachlorobutadiene
 Concen: 48.765 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060324.D
 Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.5	31.2	93.6	
227	67.9	32.2	96.6	





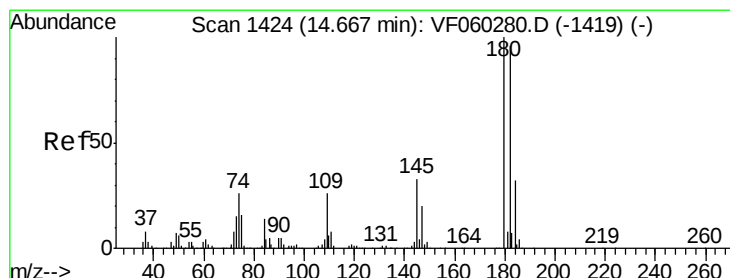
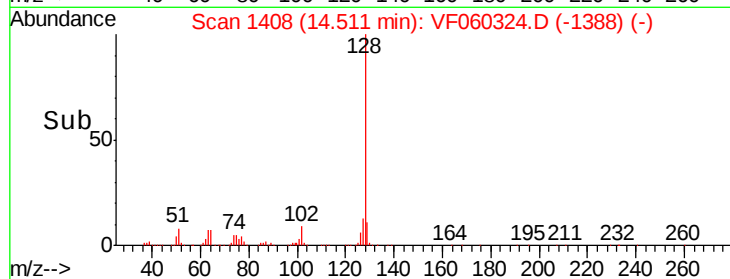
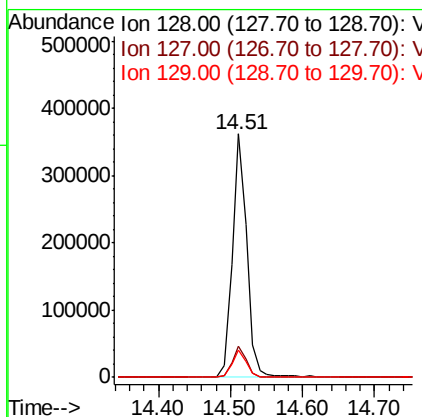
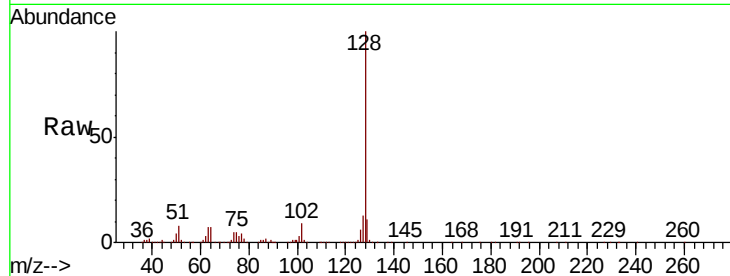
#95
Naphthalene
Concen: 51.678 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	506018		
127	12.6		10.1	15.1
129	11.0		9.8	14.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.341 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VF060324.D
Acq: 25 Sep 2018 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	259790		
182	95.5		47.8	143.4
145	32.7		16.4	49.1

