

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060493.D
 Acq On : 9 Oct 2018 16:12
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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 10/10/2018 12:33:51 PM

Quant Time: Oct 10 02:05:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 01:47:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	255775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	436904	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	373237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	202899	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	205636	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
35) Dibromofluoromethane	4.26	113	206539	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
50) Toluene-d8	7.68	98	484934	48.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	11.49	95	216508	47.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	238815	40.883	ug/l	100
3) Chloromethane	1.14	50	154527	45.337	ug/l	100
4) Vinyl Chloride	1.18	62	168391	47.208	ug/l	100
5) Bromomethane	1.37	94	137901	49.997	ug/l	100
6) Chloroethane	1.42	64	87080	49.058	ug/l	100
7) Trichlorofluoromethane	1.54	101	403858	49.079	ug/l	100
8) Diethyl Ether	1.69	74	55161	47.872	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.88	101	191684	48.189	ug/l	100
10) Methyl Iodide	1.96	142	305605	49.957	ug/l	100
11) Tert butyl alcohol	2.67	59	51818	219.019	ug/l	100
12) 1,1-Dichloroethene	1.85	96	161416	51.585	ug/l	100
13) Acrolein	2.08	56	22843	129.474	ug/l	100
14) Allyl chloride	2.17	41	229191	46.893	ug/l	100
15) Acrylonitrile	3.05	53	102784	247.393	ug/l	100
16) Acetone	2.32	43	182585	192.353	ug/l	100
17) Carbon Disulfide	1.89	76	436086	47.107	ug/l	100
18) Methyl Acetate	2.43	43	77619	46.321	ug/l	100
19) Methyl tert-butyl Ether	2.52	73	380601	50.582	ug/l	100
20) Methylene Chloride	2.31	84	141446m	40.600	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	158007	50.823	ug/l	100
22) Diisopropyl ether	2.91	45	507197	54.977	ug/l	100
23) Vinyl Acetate	3.31	43	859374	241.086	ug/l	100
24) 1,1-Dichloroethane	2.98	63	337579	54.358	ug/l	100
25) 2-Butanone	4.48	43	225239	219.497	ug/l	100
26) 2,2-Dichloropropane	3.74	77	174613	50.693	ug/l	100
27) cis-1,2-Dichloroethene	3.61	96	176822	50.748	ug/l	100
28) Bromochloromethane	3.85	49	108028	49.101	ug/l	100
29) Tetrahydrofuran	4.22	42	93181	224.662	ug/l	100
30) Chloroform	4.00	83	377513	50.432	ug/l	100
31) Cyclohexane	3.83	56	203623	47.248	ug/l	100
32) 1,1,1-Trichloroethane	4.25	97	303387	49.304	ug/l	100
36) 1,1-Dichloropropene	4.43	75	258036	48.311	ug/l	100
37) Ethyl Acetate	4.26	43	90453	44.324	ug/l	100
38) Carbon Tetrachloride	4.14	117	270319	42.841	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	249352	47.013	ug/l	100
40) Benzene	4.78	78	515761	48.031	ug/l	100
41) Methacrylonitrile	4.89	41	50755	46.363	ug/l	100
42) 1,2-Dichloroethane	5.09	62	250350	49.217	ug/l	100
43) Isopropyl Acetate	7.08	43	110930	44.798	ug/l	100
44) Trichloroethene	5.65	130	166842	48.326	ug/l	100
45) 1,2-Dichloropropane	6.37	63	129683	45.999	ug/l	100
46) Dibromomethane	6.22	93	108427	47.740	ug/l	100
47) Bromodichloromethane	6.51	83	276843	48.925	ug/l	100
48) Methyl methacrylate	6.84	41	81152	45.843	ug/l	100
49) 1,4-Dioxane	6.83	88	15172	991.426	ug/l	100
51) 4-Methyl-2-Pentanone	8.38	43	384399	218.703	ug/l	100
52) Toluene	7.75	92	321755	44.585	ug/l	100
53) t-1,3-Dichloropropene	8.40	75	205691	46.427	ug/l	100
54) cis-1,3-Dichloropropene	7.43	75	245285	47.828	ug/l	100
55) 1,1,2-Trichloroethane	8.61	97	104842	45.862	ug/l	100
56) Ethyl methacrylate	8.73	69	114473	44.232	ug/l	100
57) 1,3-Dichloropropane	8.97	76	173718	45.045	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.75	63	61051	229.391	ug/l	100
59) 2-Hexanone	9.60	43	260099	202.201	ug/l	100
60) Dibromochloromethane	8.83	129	163202	47.566	ug/l	100
61) 1,2-Dibromoethane	9.11	107	118007	47.183	ug/l	100
64) Tetrachloroethene	8.28	164	154706	51.625	ug/l	100
65) Chlorobenzene	9.92	112	373126	48.788	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	168716	50.397	ug/l	100
67) Ethyl Benzene	10.01	91	717169	49.204	ug/l	100
68) m/p-Xylenes	10.24	106	464959	93.254	ug/l	100
69) o-Xylene	10.80	106	267819	49.235	ug/l	100
70) Styrene	10.88	104	361610	46.828	ug/l	100
71) Bromoform	10.87	173	90294	50.821	ug/l	100
73) Isopropylbenzene	11.21	105	806919	50.124	ug/l	100
74) N-amyl acetate	11.44	43	168469	46.106	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	132257	45.848	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	103345	48.206	ug/l	100
77) Bromobenzene	11.57	156	176779	49.209	ug/l	100
78) n-propylbenzene	11.67	91	937658	48.502	ug/l	100
79) 2-Chlorotoluene	11.80	91	556552	49.100	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	666545	49.058	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	44470m	47.444	ug/l	
82) 4-Chlorotoluene	11.98	91	582125	49.845	ug/l	100
83) tert-Butylbenzene	12.19	119	676039	50.440	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	681375	50.345	ug/l	100
85) sec-Butylbenzene	12.37	105	923240	49.793	ug/l	100
86) p-Isopropyltoluene	12.52	119	756697	49.944	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	332232	49.176	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	326880	49.185	ug/l	100
89) n-Butylbenzene	12.90	91	802867	50.265	ug/l	100
90) Hexachloroethane	12.98	117	188166	48.645	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	324611	50.103	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.70	75	30062	52.293	ug/l	100

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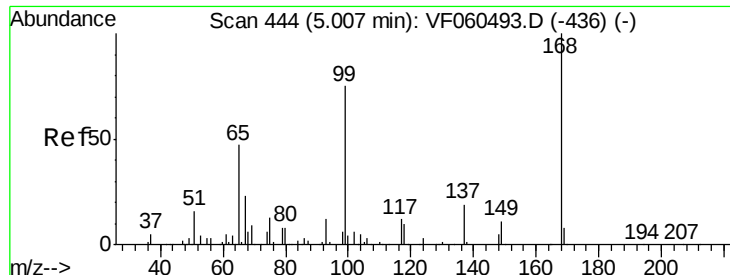
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	244290	50.410	ug/l	100
94) Hexachlorobutadiene	14.24	225	178201	52.290	ug/l	100
95) Naphthalene	14.51	128	444710	51.393	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	241949	53.001	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 255775

Ion Ratio Lower Upper

168 100

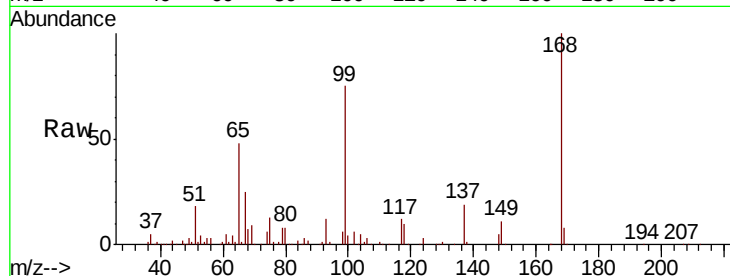
99 75.4 60.3 90.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

60000

40000

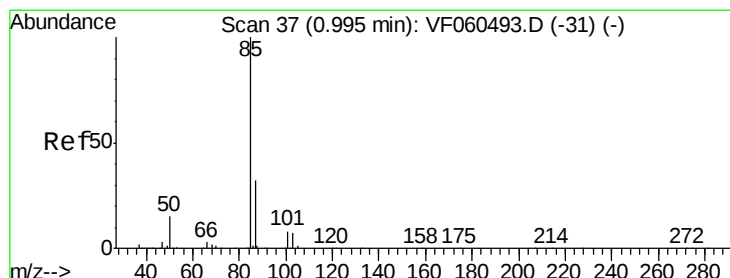
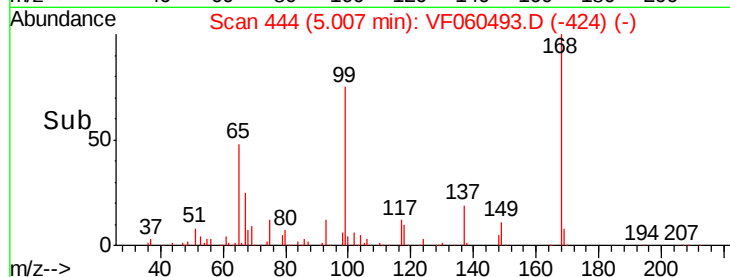
20000

0

Time-->

4.90 5.00 5.10 5.20

5.01



#2

Dichlorodifluoromethane

Concen: 40.883 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060493.D

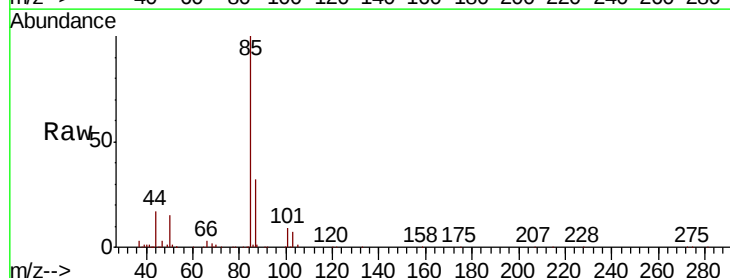
Acq: 9 Oct 2018 16:12

Tgt Ion: 85 Resp: 238815

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

80000

60000

40000

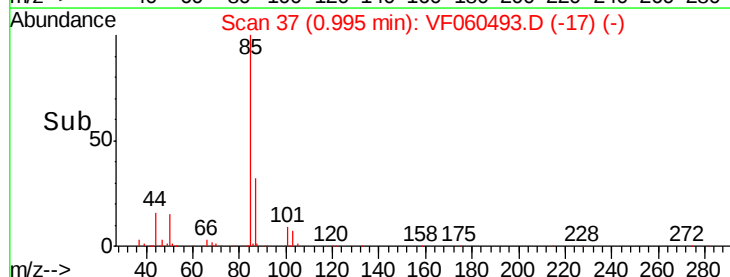
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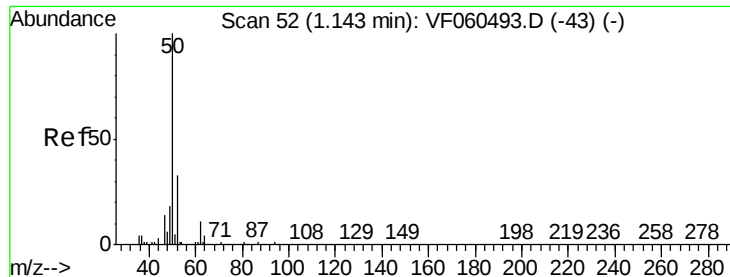
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Time-->

0.90 1.00 1.10 1.20

0.99





#3

Chloromethane

Concen: 45.337 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 154527

Ion Ratio Lower Upper

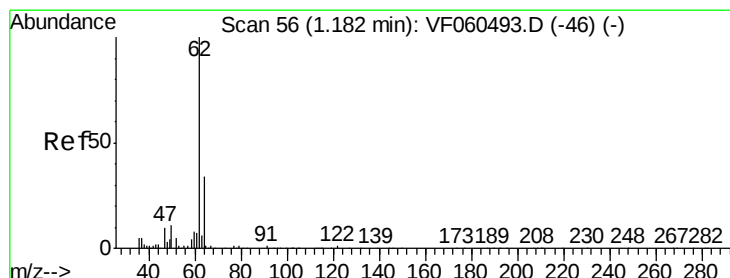
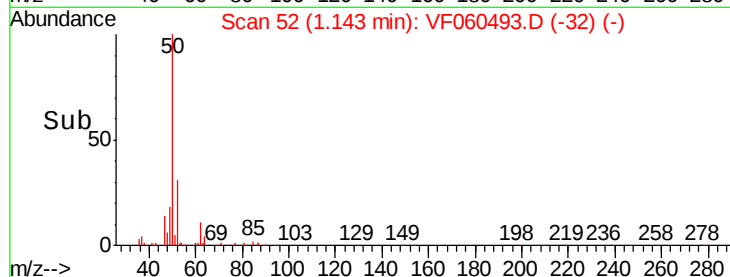
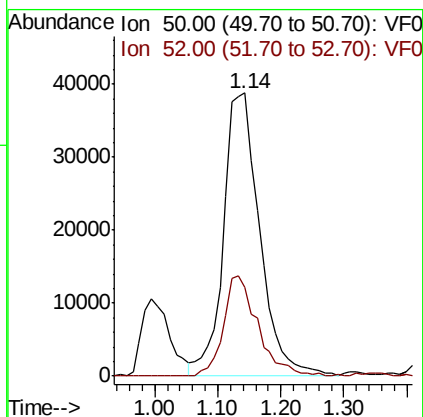
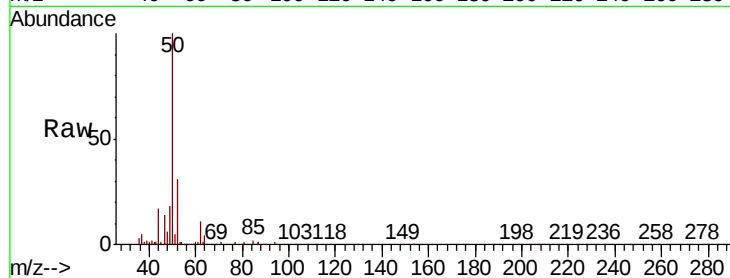
50 100

52 31.2 25.0 37.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.208 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060493.D

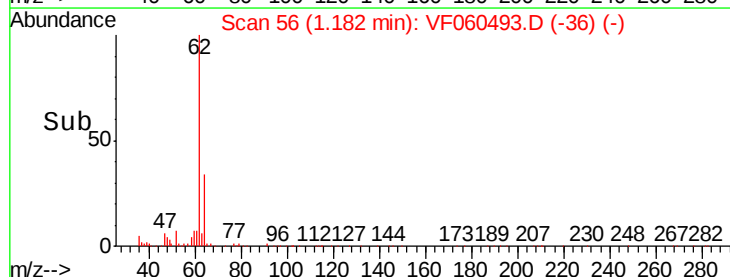
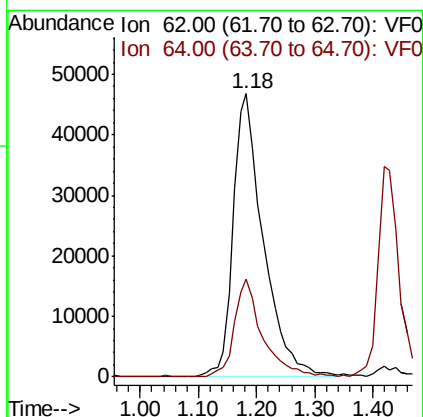
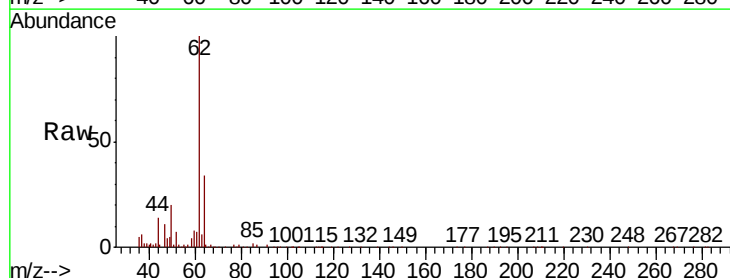
Acq: 9 Oct 2018 16:12

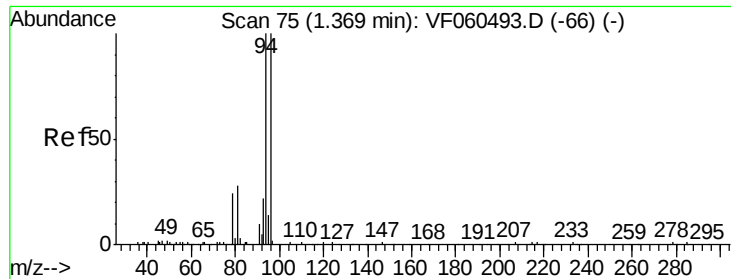
Tgt Ion: 62 Resp: 168391

Ion Ratio Lower Upper

62 100

64 34.4 27.5 41.3





#5

Bromomethane

Concen: 49.997 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 137901

Ion Ratio Lower Upper

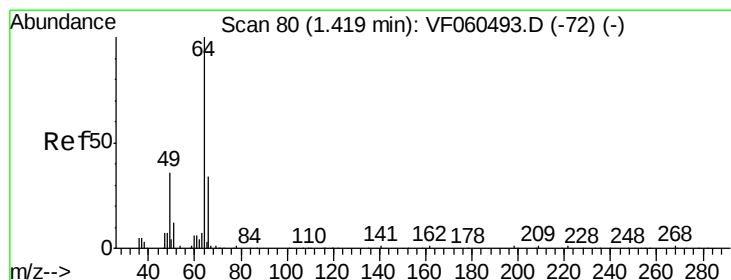
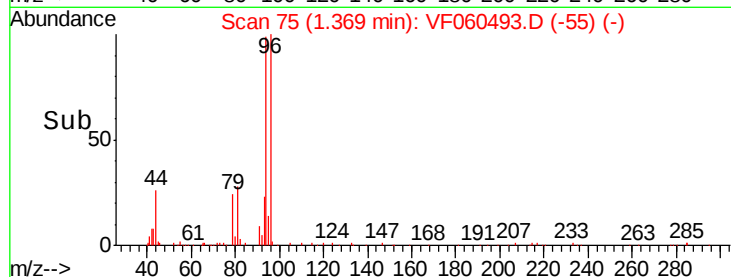
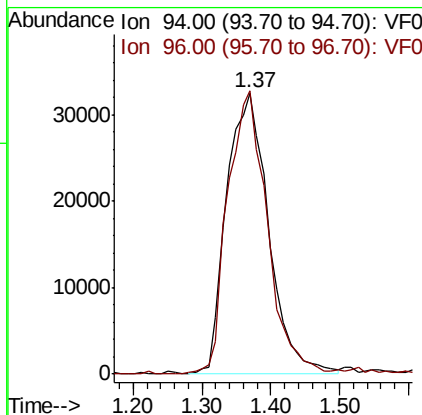
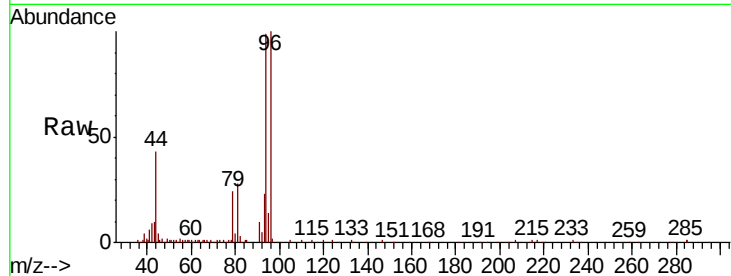
94 100

96 100.7 80.6 120.8

Manual Integrations
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#6

Chloroethane

Concen: 49.058 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060493.D

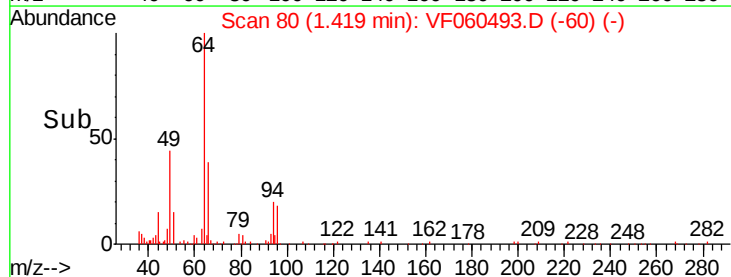
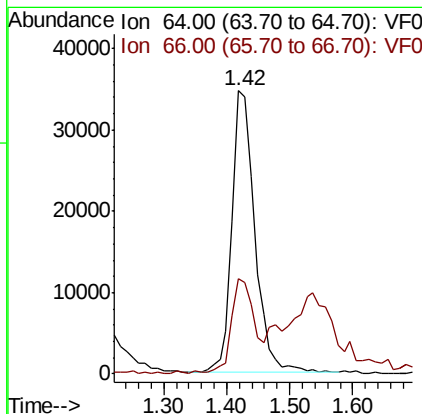
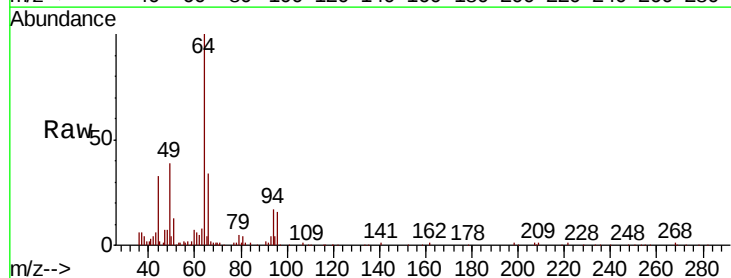
Acq: 9 Oct 2018 16:12

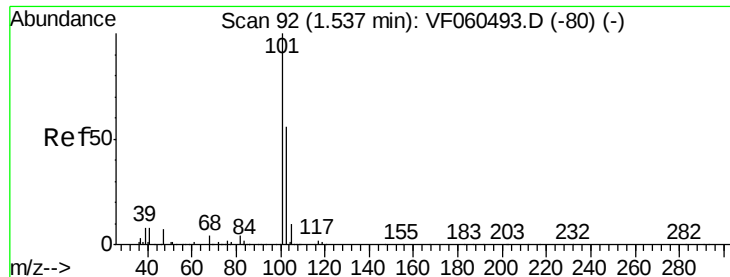
Tgt Ion: 64 Resp: 87080

Ion Ratio Lower Upper

64 100

66 33.8 27.0 40.6





#7

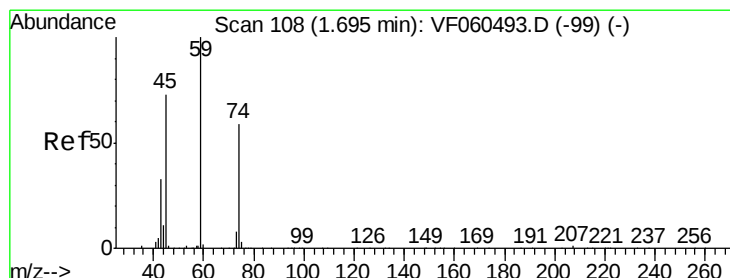
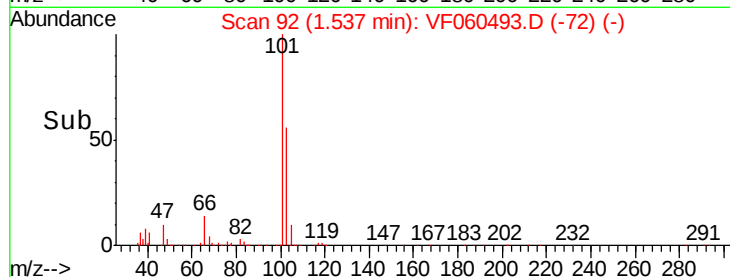
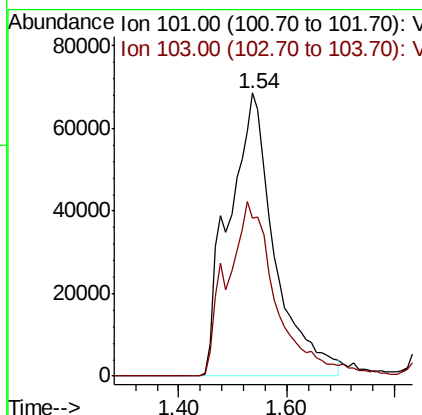
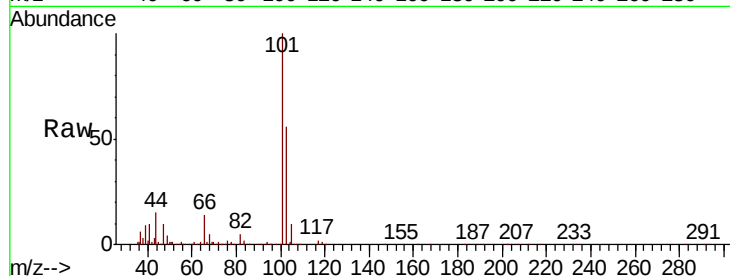
Trichlorofluoromethane
Concen: 49.079 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

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Tot Ion	Ratio	Lower	Upper
101	100		
103	55.7	44.6	66.8

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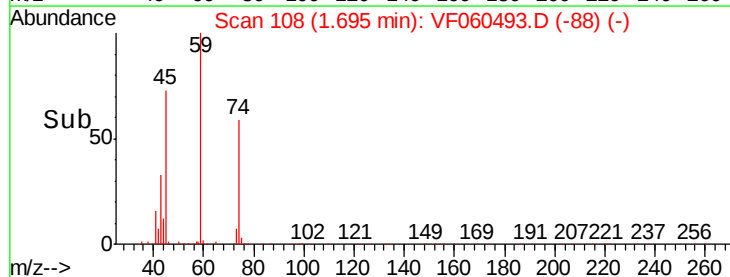
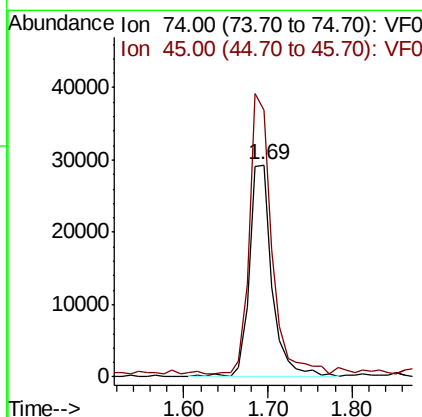
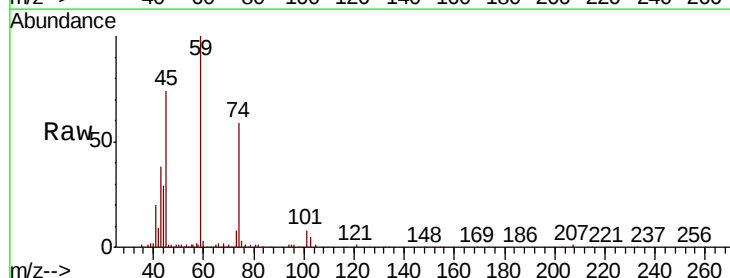
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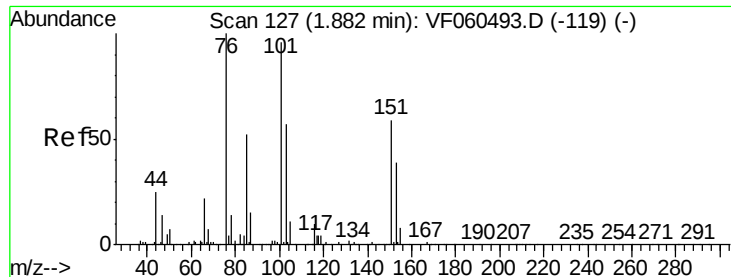


#8

Diethyl Ether
Concen: 47.872 ug/l
RT: 1.69 min Scan# 108
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.4	62.7	188.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.189 ug/l

RT: 1.88 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

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MSVOA_F

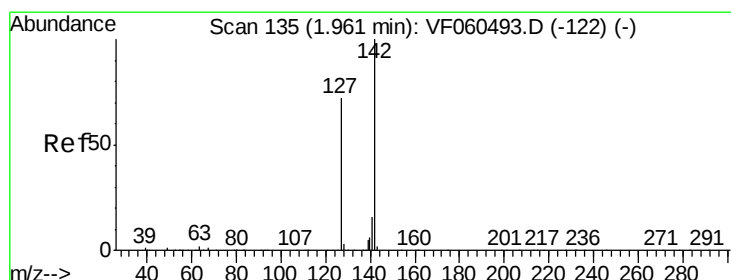
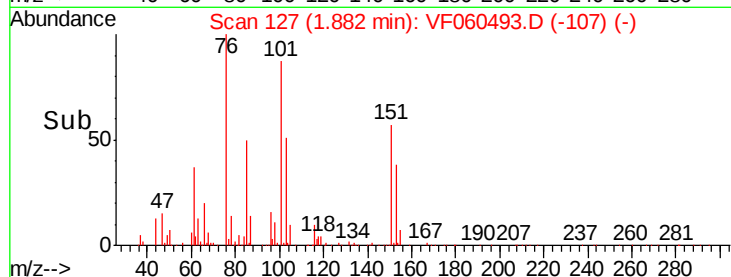
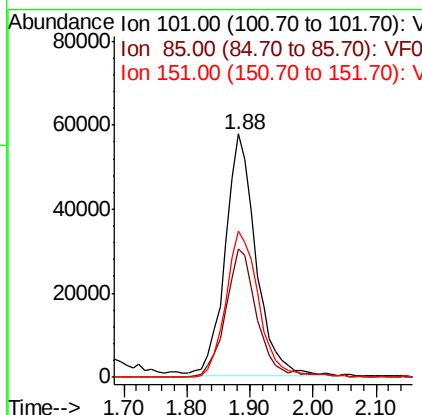
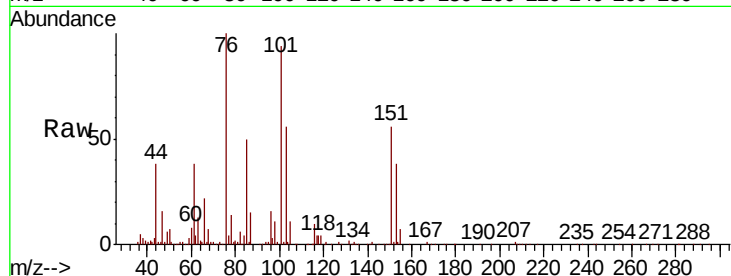
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	191684
Ion Ratio	Lower	Upper	
101	100		
85	52.2	41.8	62.6
151	59.2	47.4	71.0

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#10

Methyl Iodide

Concen: 49.957 ug/l

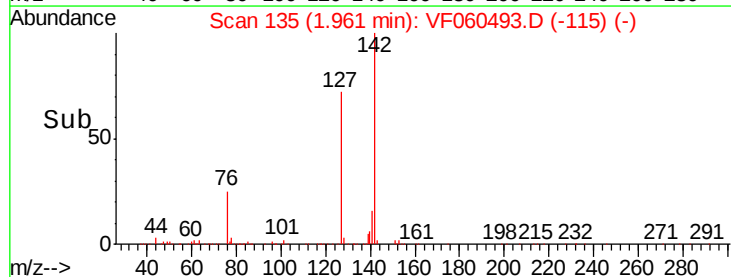
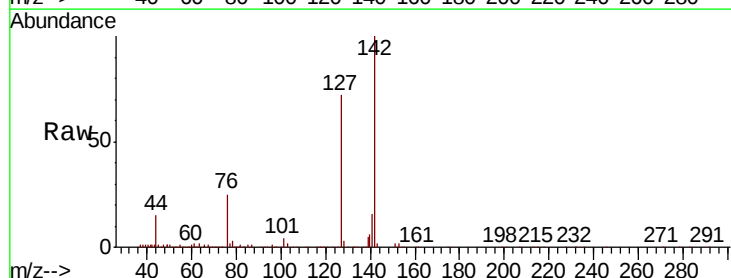
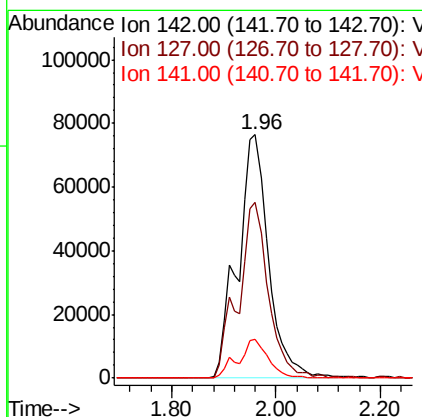
RT: 1.96 min Scan# 135

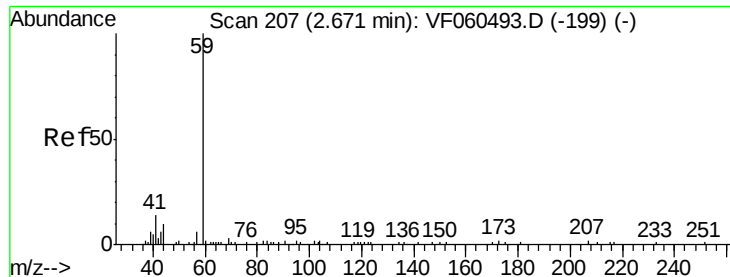
Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Tgt Ion:	142	Resp:	305605
Ion Ratio	Lower	Upper	
142	100		
127	72.4	57.9	86.9
141	15.9	12.7	19.1





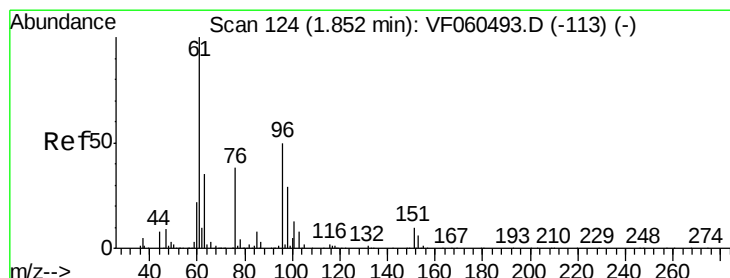
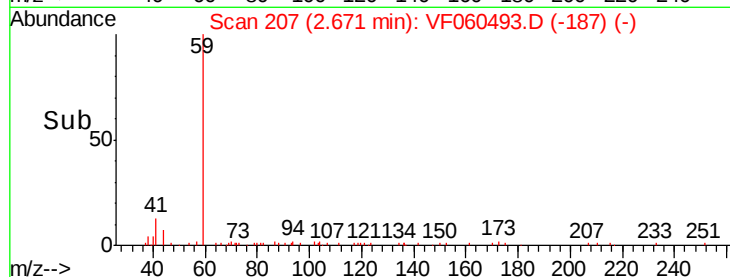
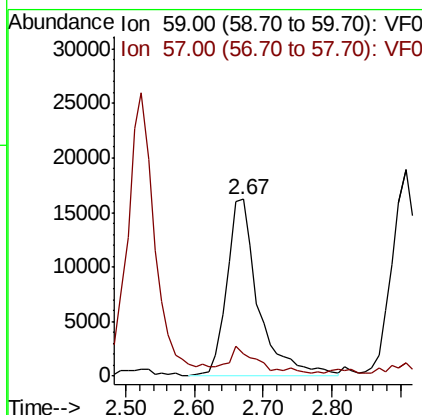
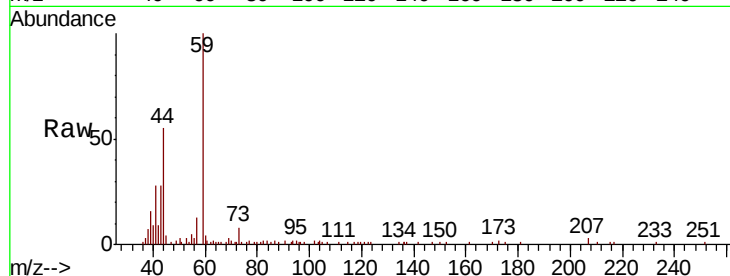
#11
Tert butyl alcohol
Concen: 219.019 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.7	10.2	15.2

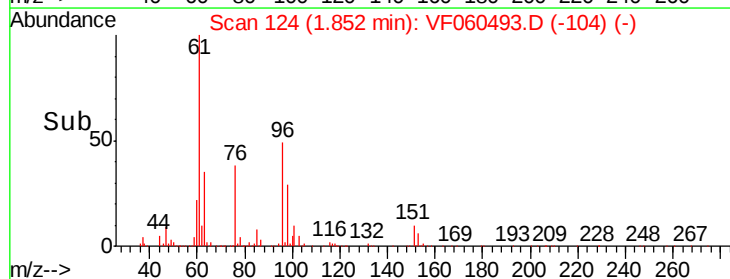
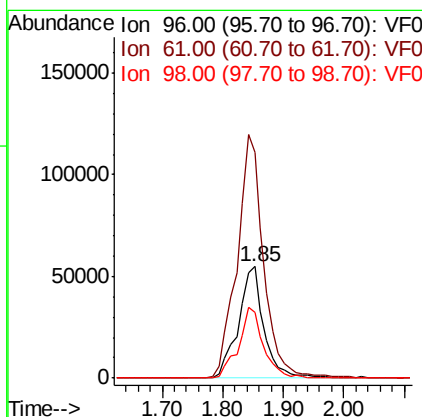
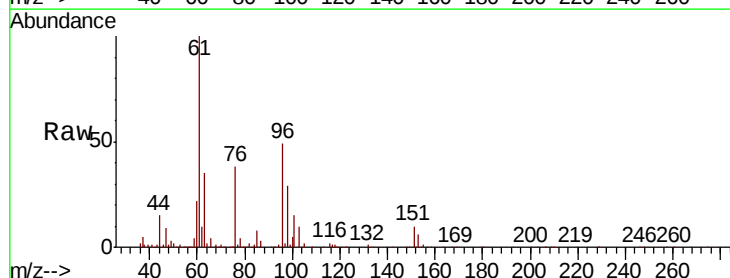
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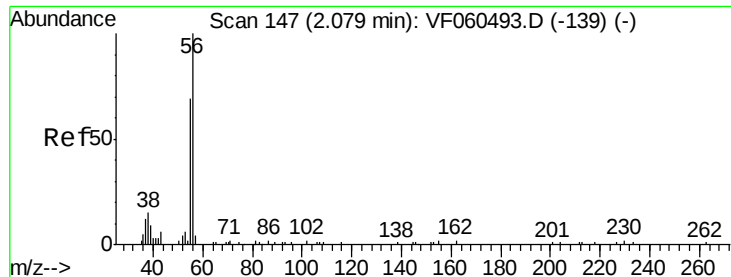
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#12
1,1-Dichloroethene
Concen: 51.585 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	202.4	161.9	242.9
98	59.3	47.4	71.2





#13

Acrolein

Concen: 129.474 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 22843

Ion Ratio Lower Upper

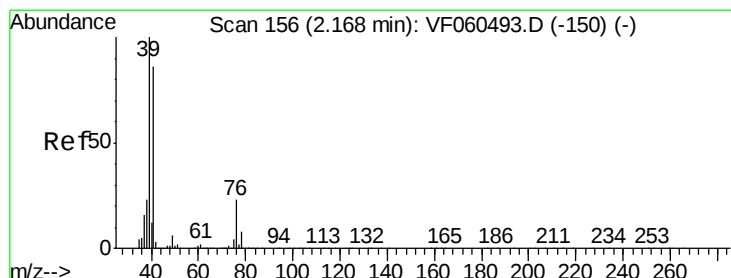
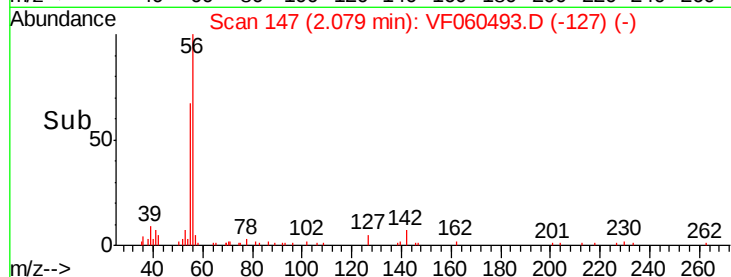
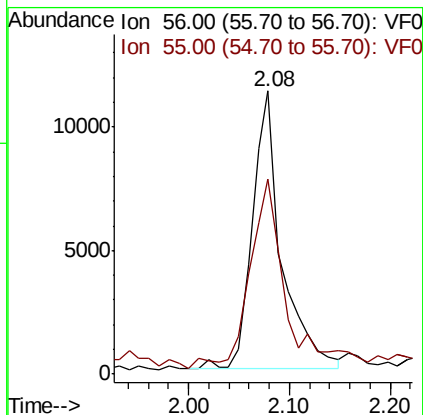
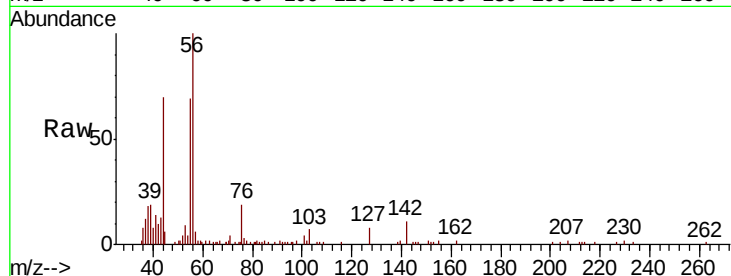
56 100

55 69.1 55.3 82.9

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#14

Allyl chloride

Concen: 46.893 ug/l

RT: 2.17 min Scan# 156

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

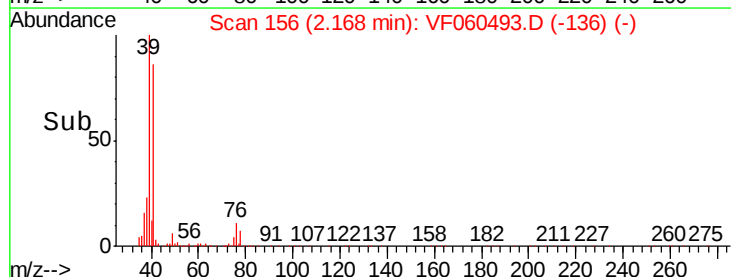
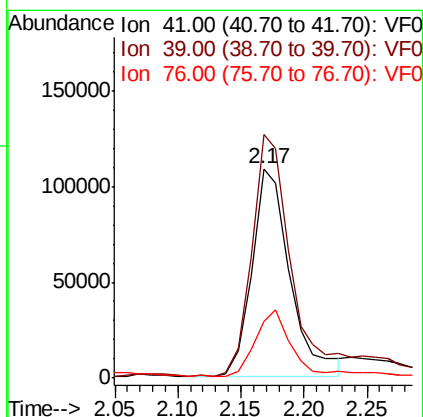
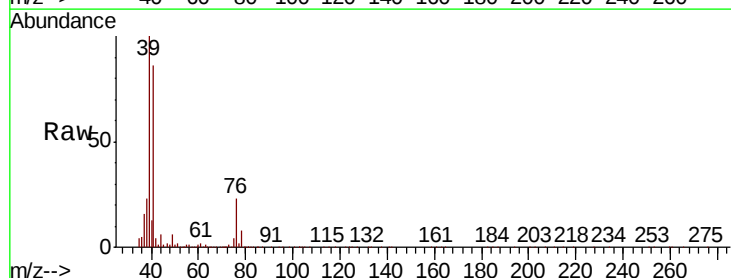
Tgt Ion: 41 Resp: 229191

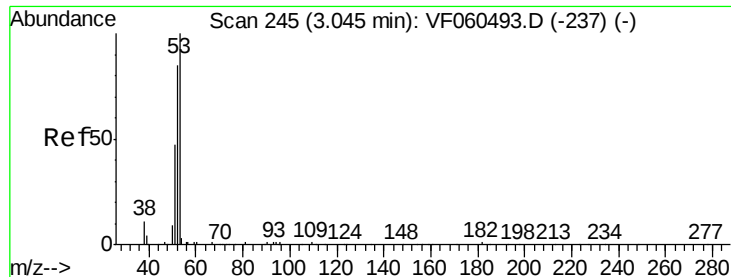
Ion Ratio Lower Upper

41 100

39 116.4 93.1 139.7

76 27.0 21.6 32.4





#15

Acrylonitrile

Concen: 247.393 ug/l

RT: 3.05 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

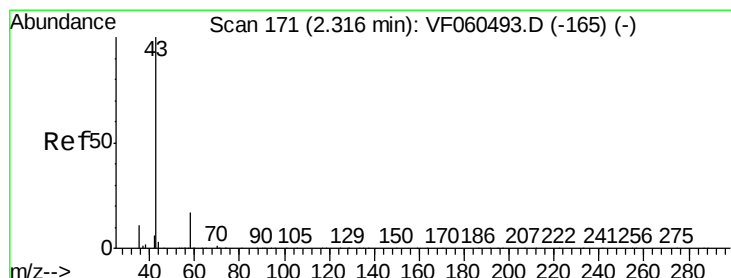
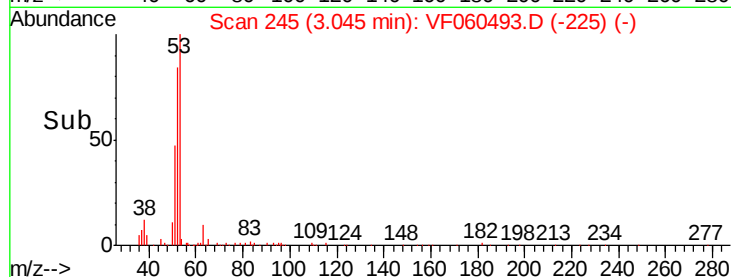
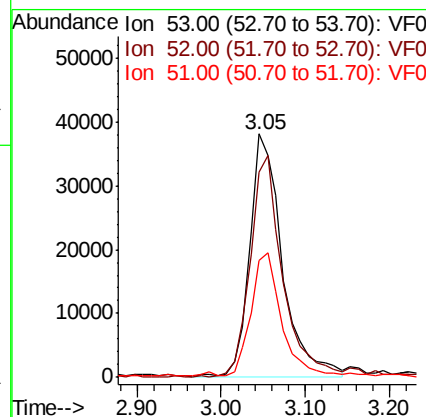
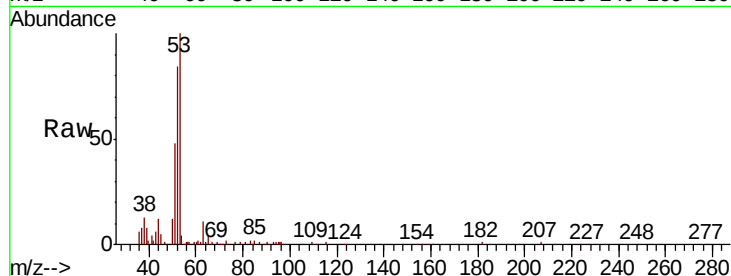
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	102784
Ion	Ratio	Lower	Upper
53	100		
52	84.4	67.5	101.3
51	47.8	38.2	57.4

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#16

Acetone

Concen: 192.353 ug/l

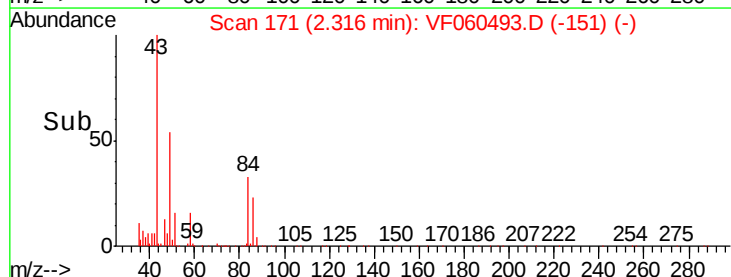
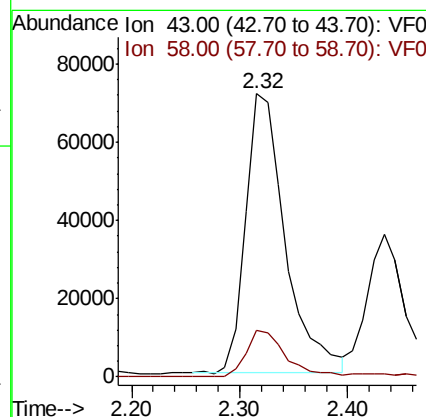
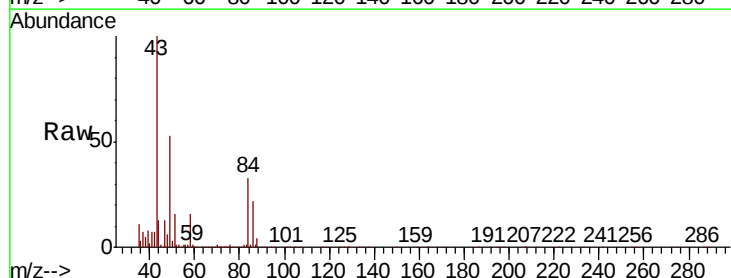
RT: 2.32 min Scan# 171

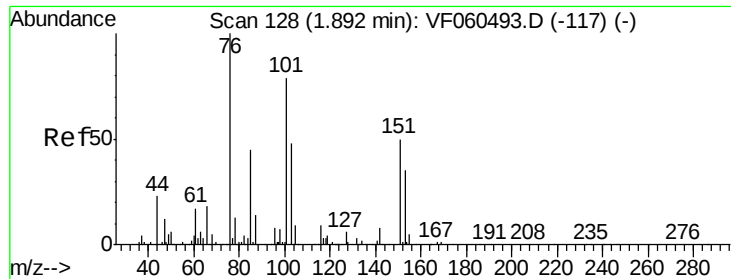
Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Tgt Ion:	43	Resp:	182585
Ion	Ratio	Lower	Upper
43	100		
58	16.5	13.2	19.8





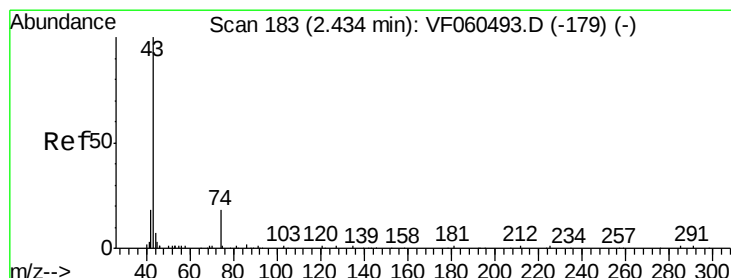
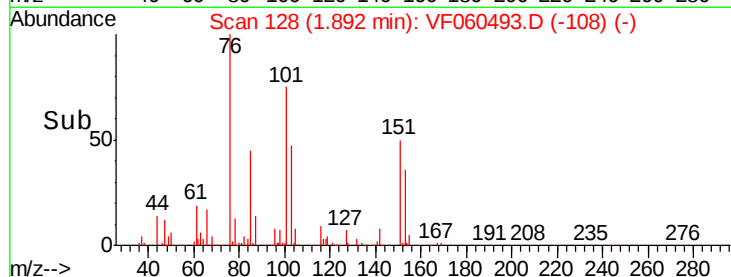
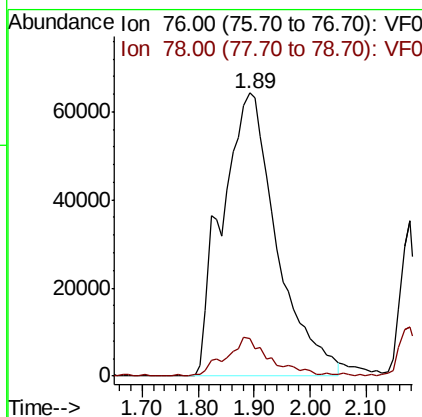
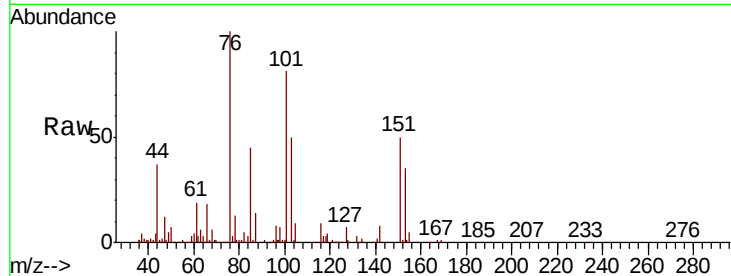
#17
Carbon Disulfide
Concen: 47.107 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 436086
Ion Ratio Lower Upper
76 100
78 13.1 10.5 15.7

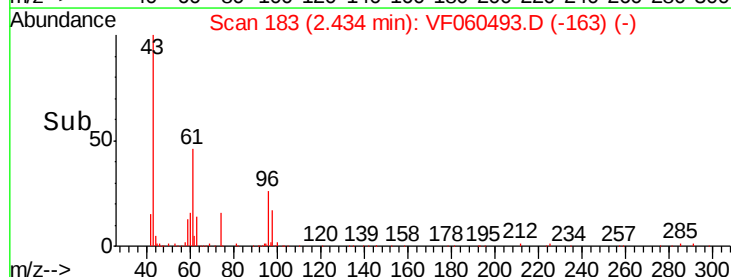
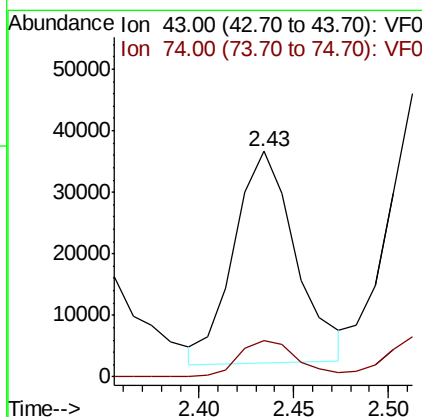
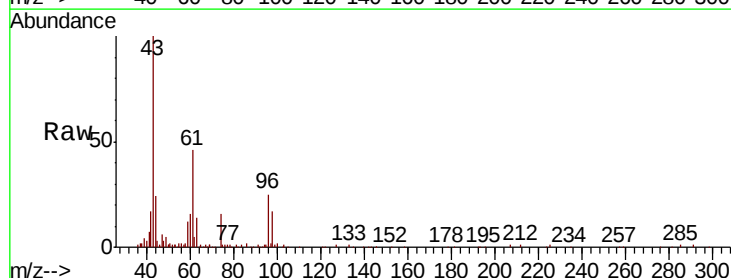
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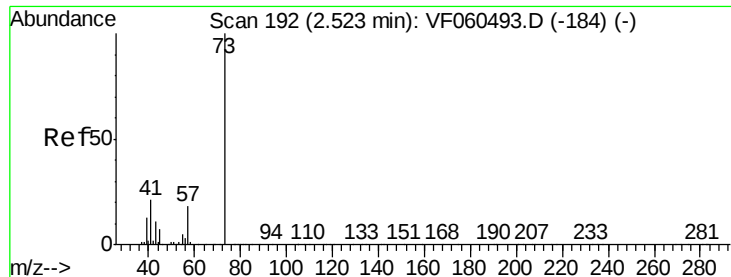
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#18
Methyl Acetate
Concen: 46.321 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion: 43 Resp: 77619
Ion Ratio Lower Upper
43 100
74 16.1 12.9 19.3





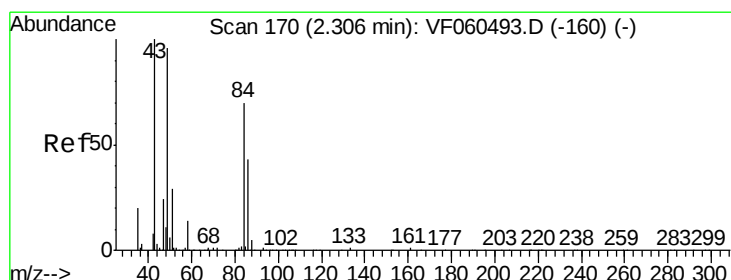
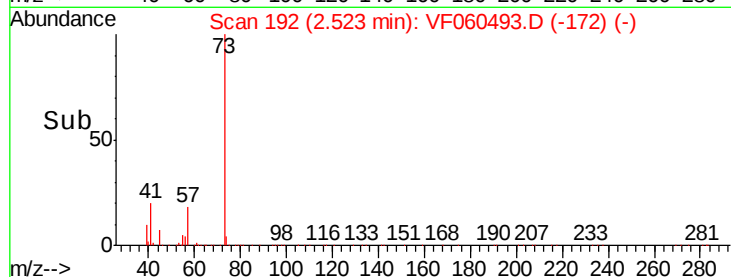
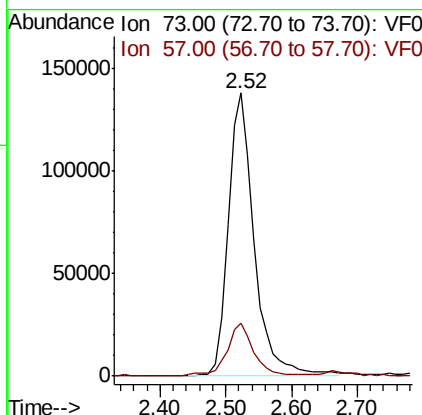
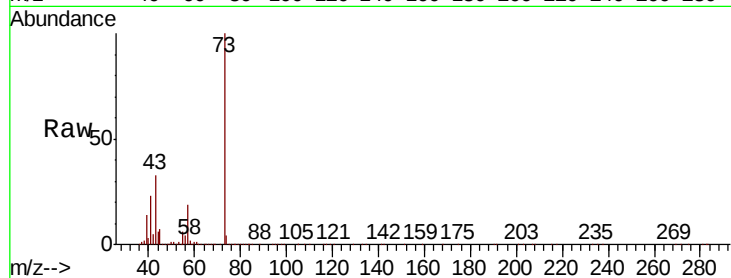
#19
Methvl tert-butvl Ether
Concen: 50.582 ug/l
RT: 2.52 min Scan# 192
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.8	15.0	22.6

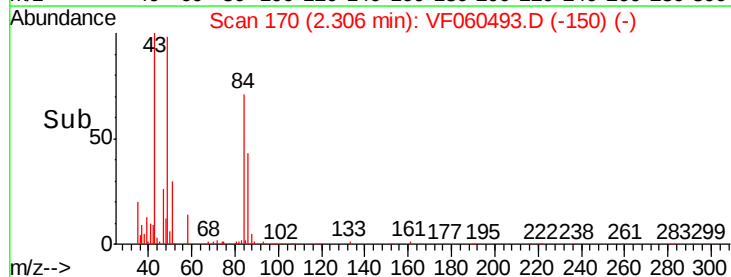
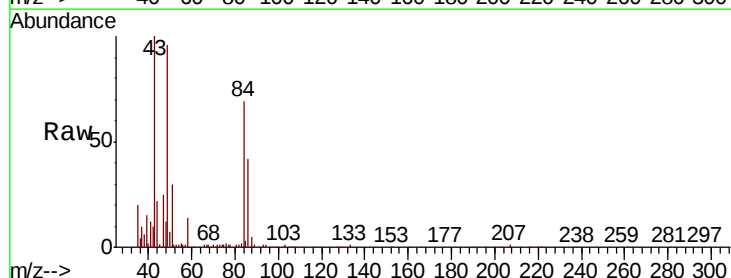
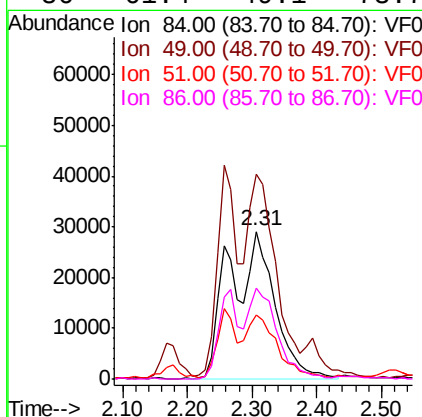
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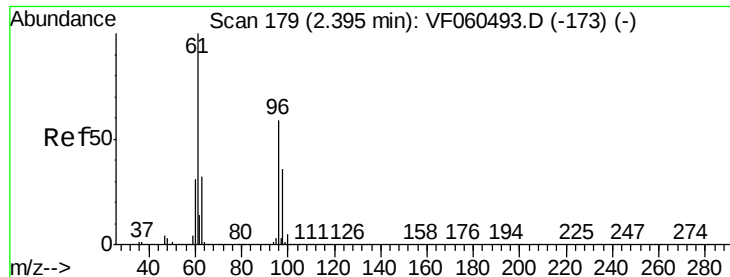
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#20
Methylene Chloride
Concen: 40.600 ug/l m
RT: 2.31 min Scan# 170
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.4	111.5	167.3
51	43.3	34.6	52.0
86	61.4	49.1	73.7





#21

trans-1,2-Dichloroethene

Concen: 50.823 ug/l

RT: 2.39 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

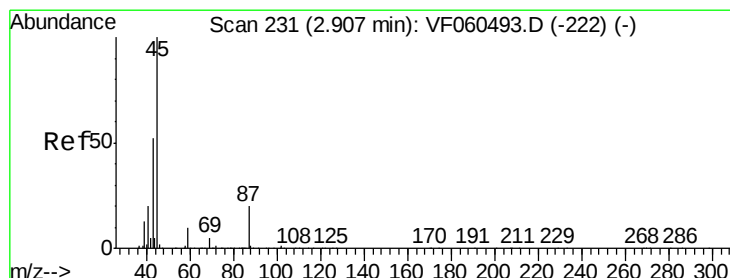
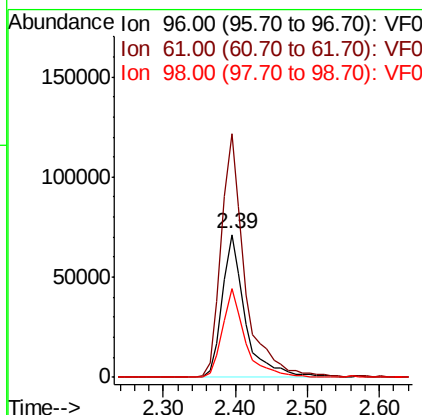
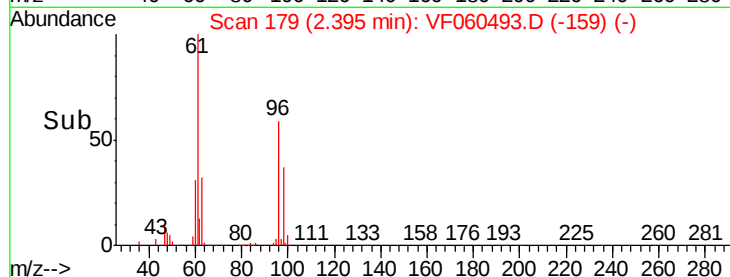
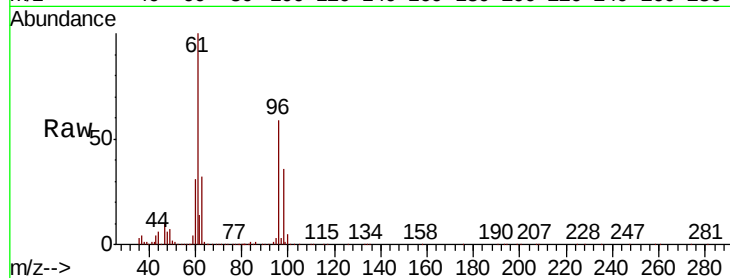
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	158007
Ion Ratio	Lower	Upper	
96	100		
61	170.3	136.2	204.4
98	62.1	49.7	74.5

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#22

Diisopropyl ether

Concen: 54.977 ug/l

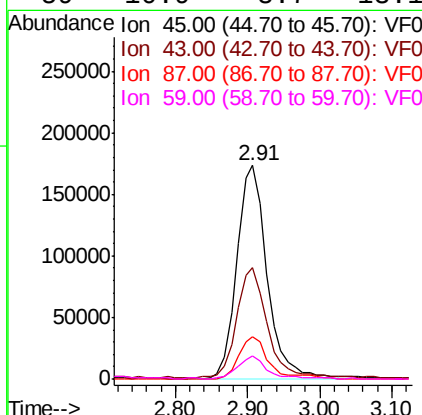
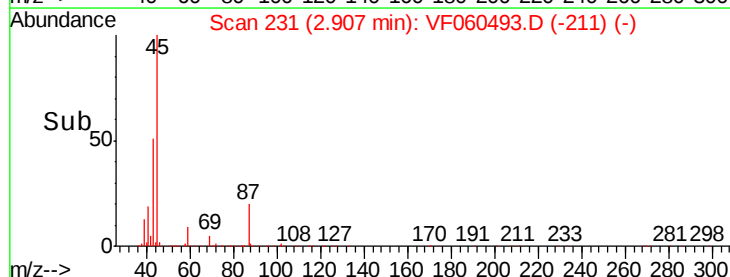
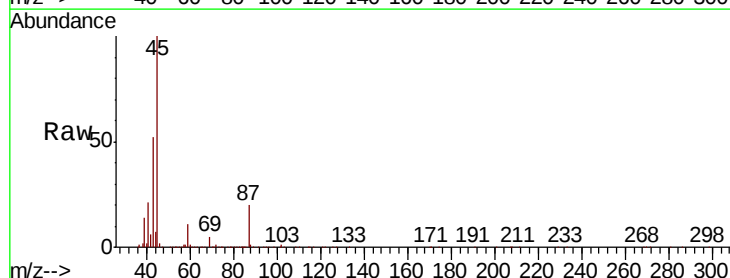
RT: 2.91 min Scan# 231

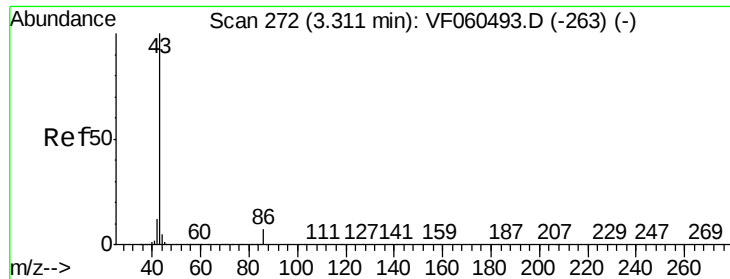
Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Tgt Ion:	45	Resp:	507197
Ion Ratio	Lower	Upper	
45	100		
43	52.3	41.8	62.8
87	19.6	15.7	23.5
59	10.9	8.7	13.1





#23

Vinyl Acetate

Concen: 241.086 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 859374

Ion Ratio Lower Upper

43 100

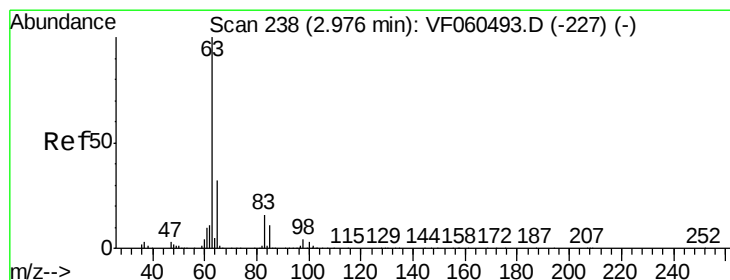
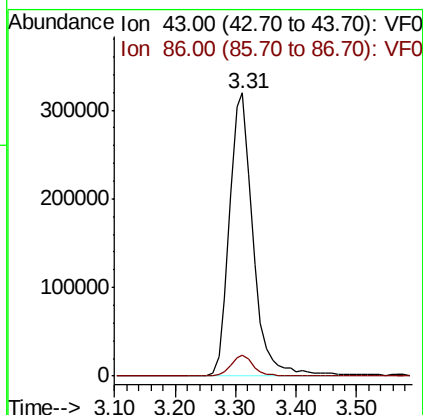
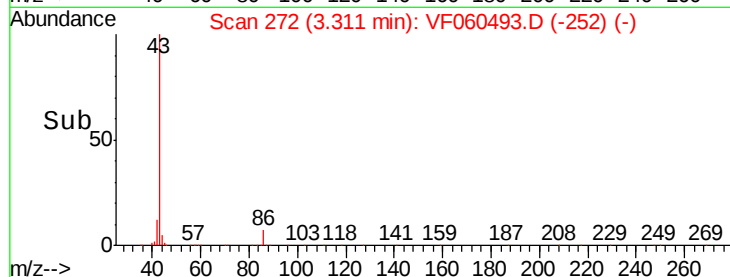
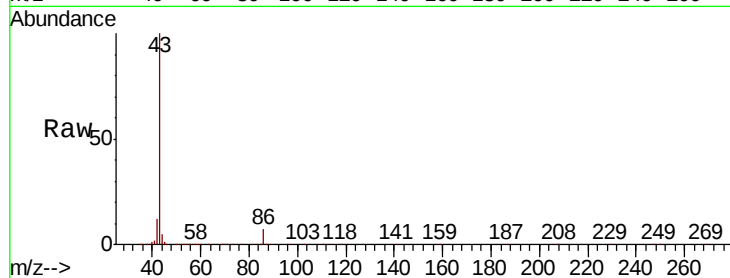
86 7.3 5.8 8.8

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#24

1,1-Dichloroethane

Concen: 54.358 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

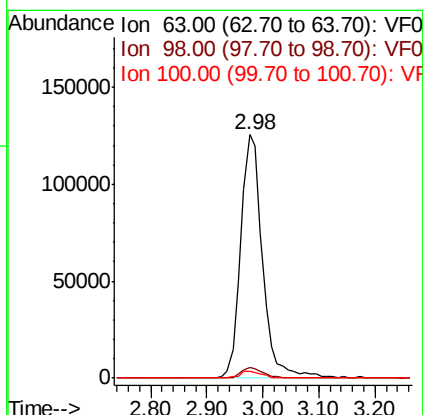
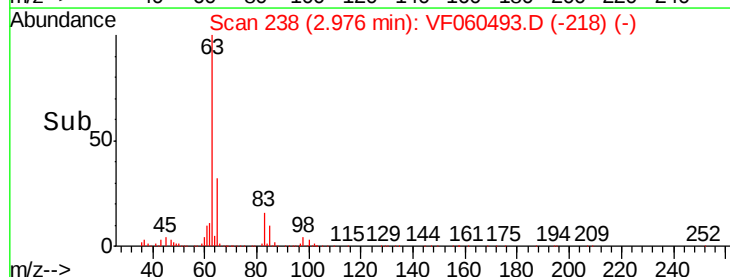
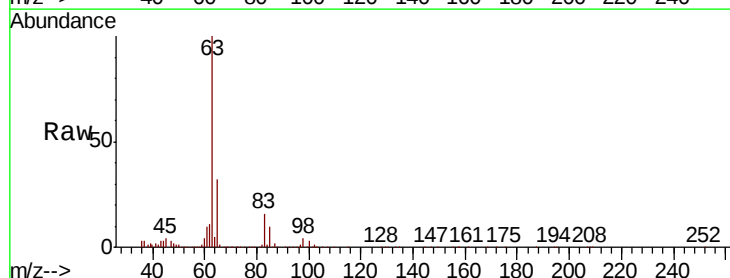
Tgt Ion: 63 Resp: 337579

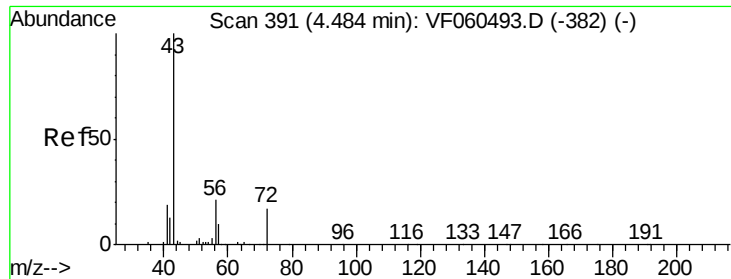
Ion Ratio Lower Upper

63 100

98 4.4 2.2 6.6

100 2.9 1.5 4.4





#25

2-Butanone

Concen: 219.497 ug/l

RT: 4.48 min Scan# 391

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 225239

Ion Ratio Lower Upper

43 100

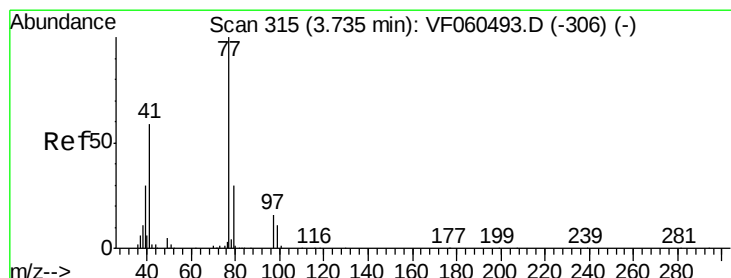
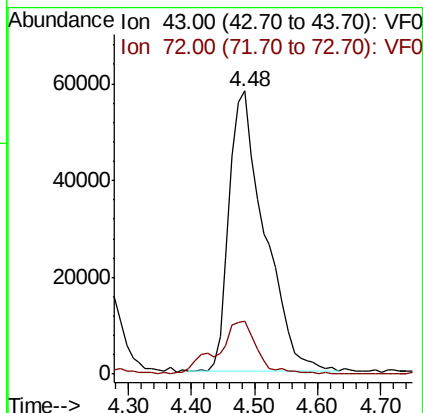
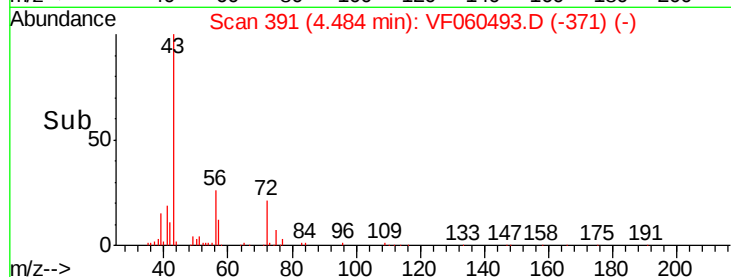
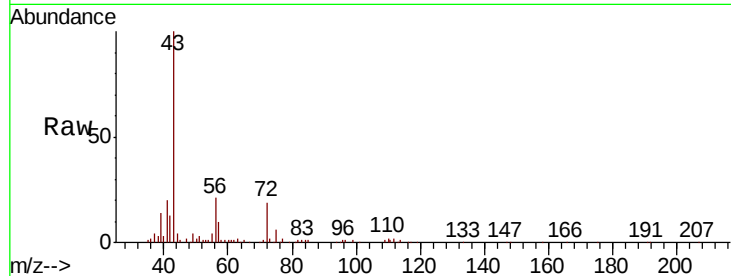
72 18.8 15.0 22.6

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#26

2,2-Dichloropropane

Concen: 50.693 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060493.D

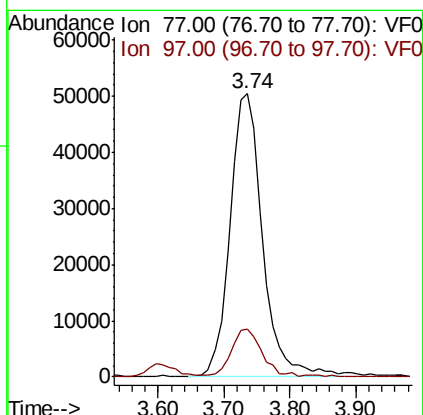
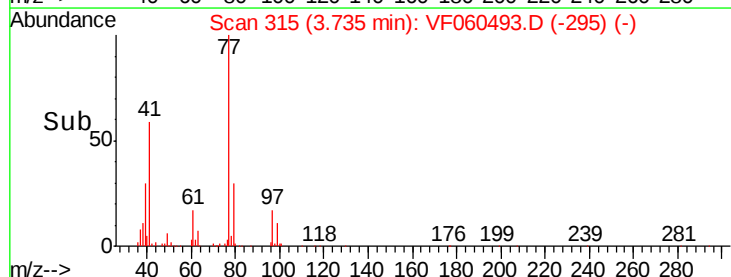
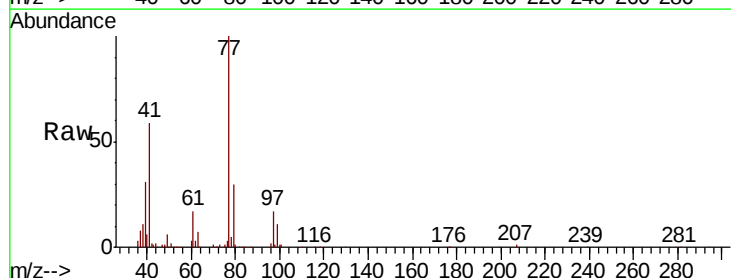
Acq: 9 Oct 2018 16:12

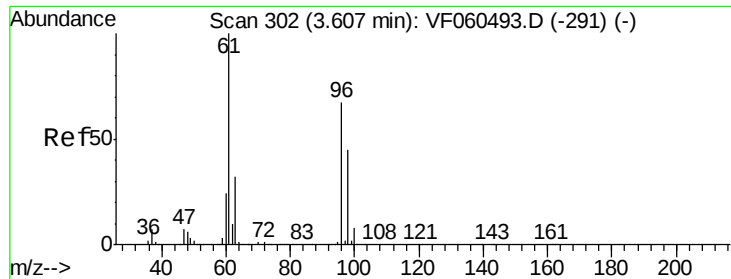
Tgt Ion: 77 Resp: 174613

Ion Ratio Lower Upper

77 100

97 17.1 8.6 25.7





#27

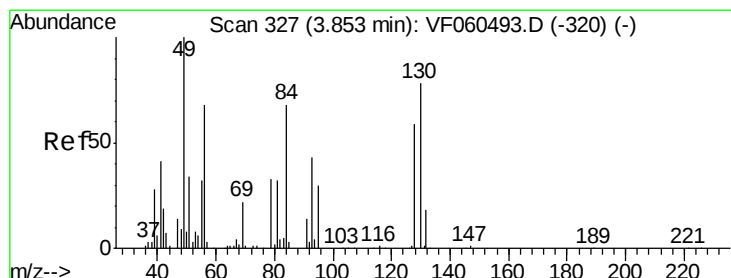
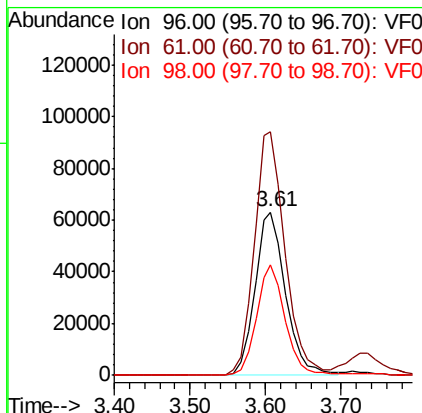
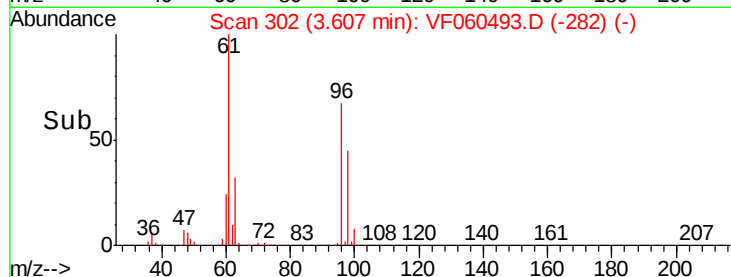
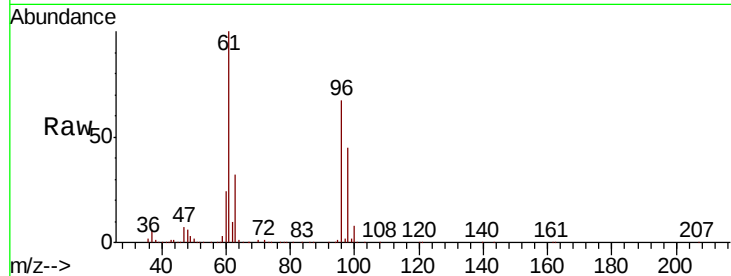
cis-1,2-Dichloroethene
 Concen: 50.748 ug/l
 RT: 3.61 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	176822		
61	149.0	0.0	298.0	
98	67.5	0.0	135.0	

Manual Integrations
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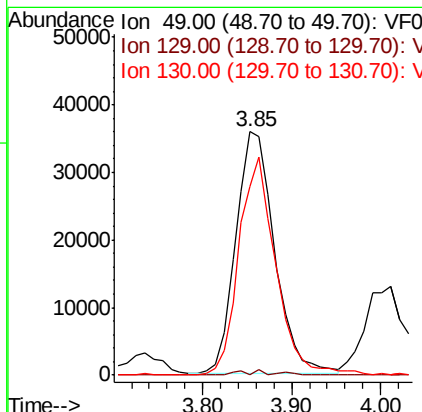
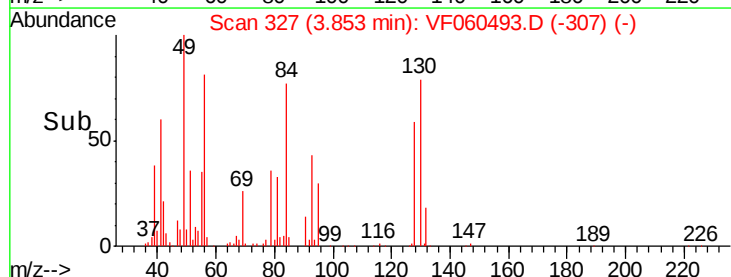
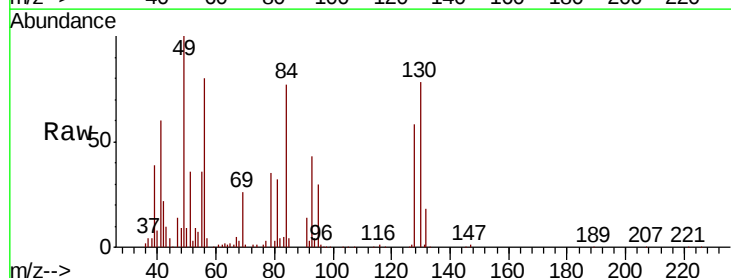
apatel
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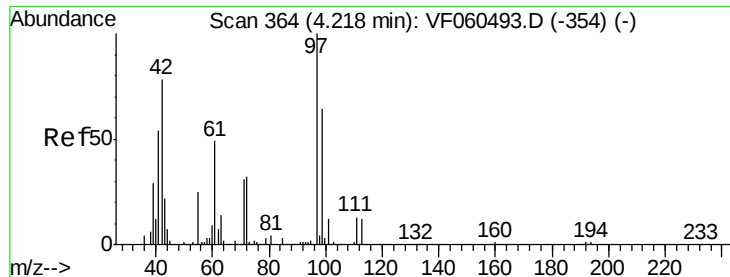


#28

Bromochloromethane
 Concen: 49.101 ug/l
 RT: 3.85 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	108028		
129	0.0	0.0	0.0	
130	77.7	62.2	93.2	





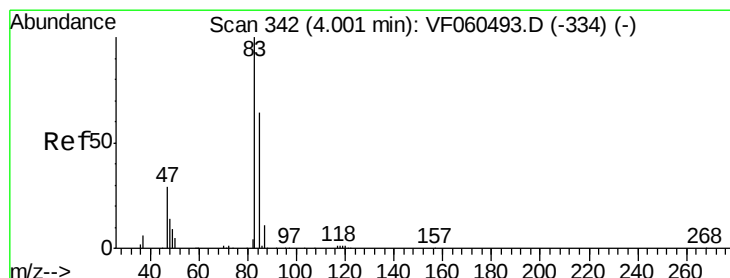
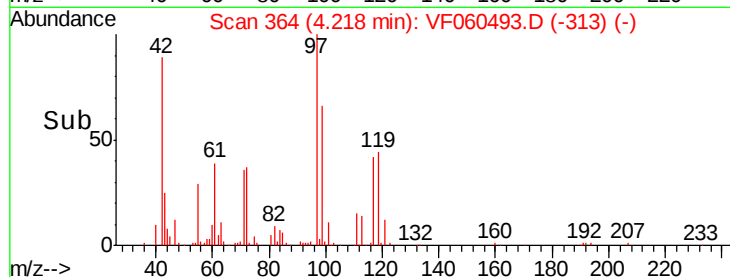
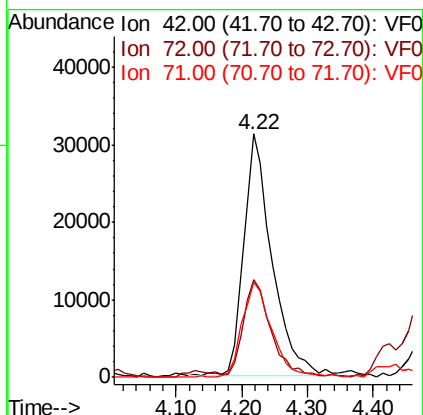
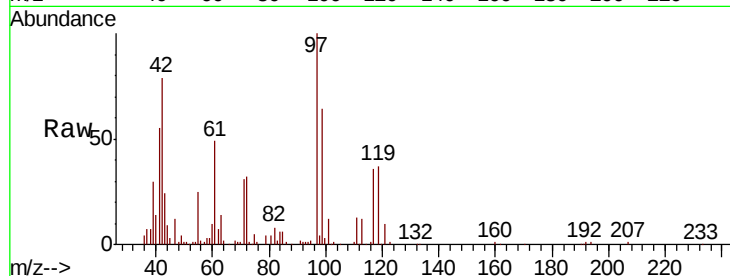
#29
Tetrahydrofuran
Concen: 224.662 ug/l
RT: 4.22 min Scan# 364
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.9	47.9
71	41.7	33.4	50.0

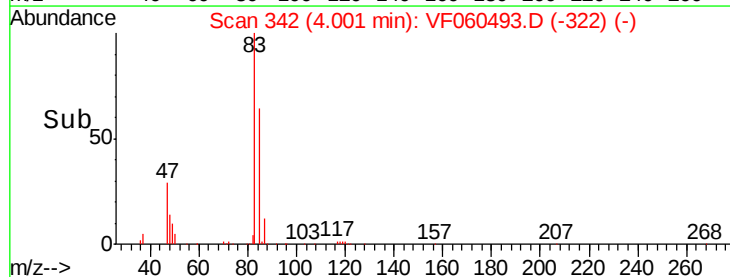
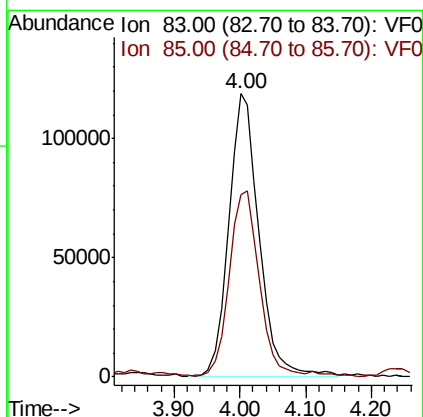
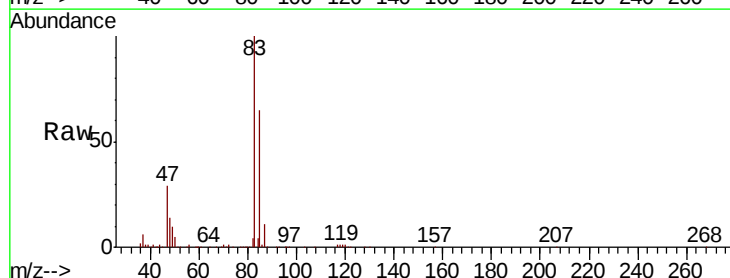
Manual Integrations
APPROVED

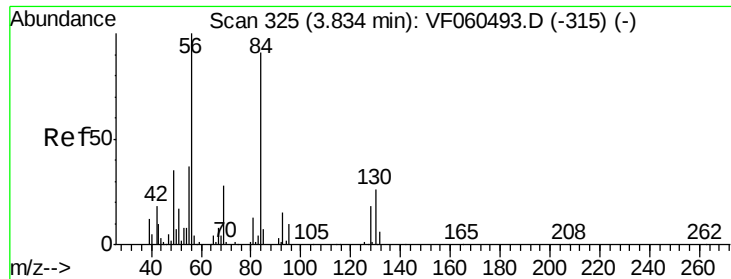
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#30
Chloroform
Concen: 50.432 ug/l
RT: 4.00 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5





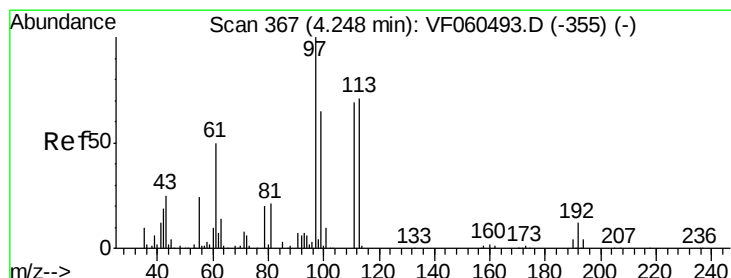
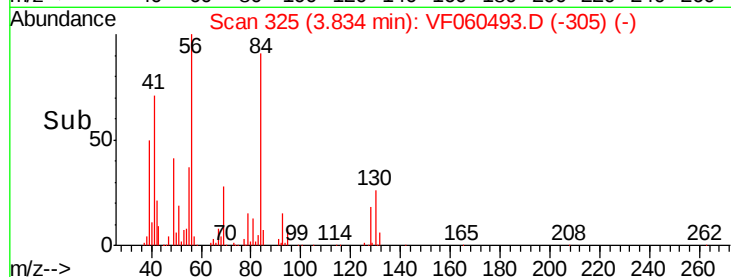
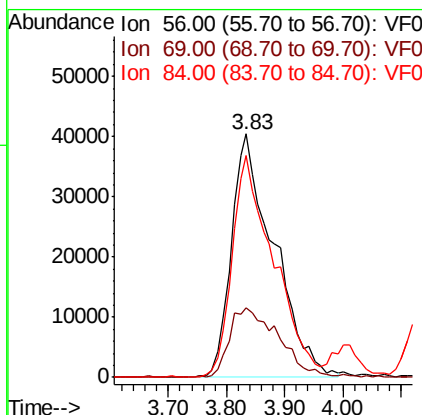
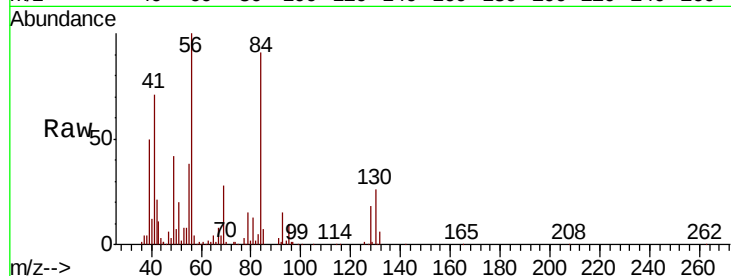
#31
Cyclohexane
Concen: 47.248 ug/l
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.7	34.1
84	91.4	73.1	109.7

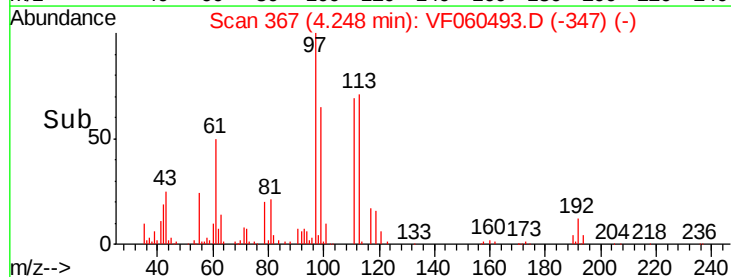
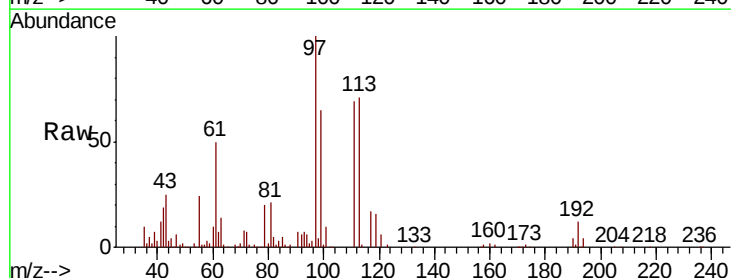
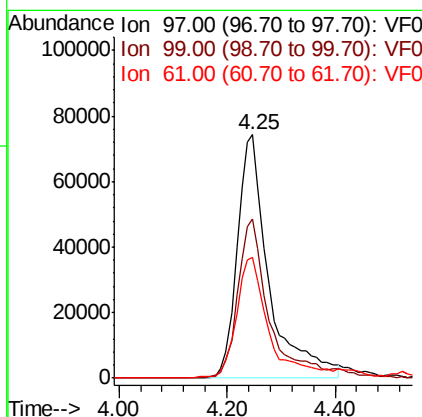
Manual Integrations
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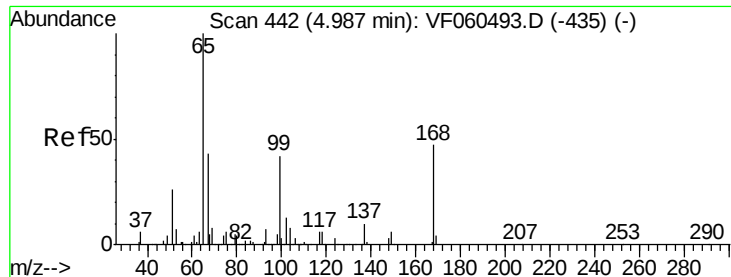
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#32
1,1,1-Trichloroethane
Concen: 49.304 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.3	78.5
61	49.8	39.8	59.8





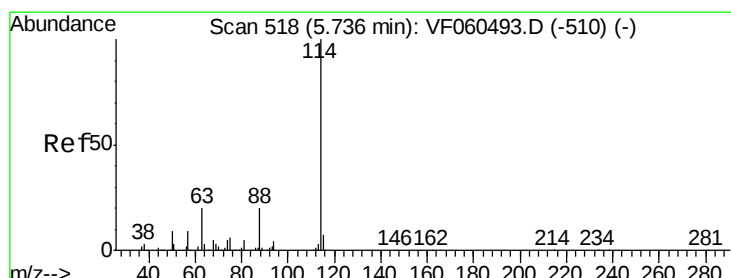
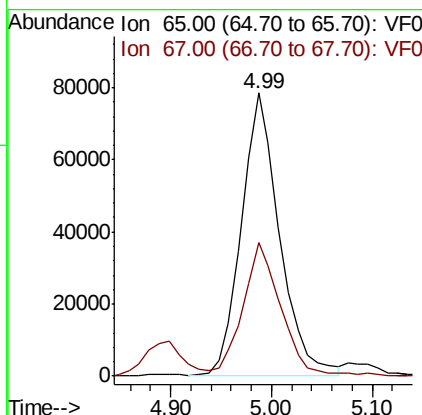
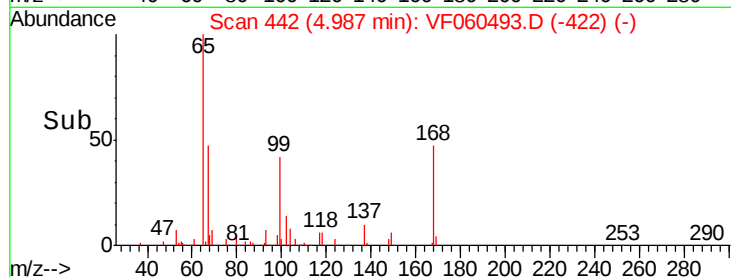
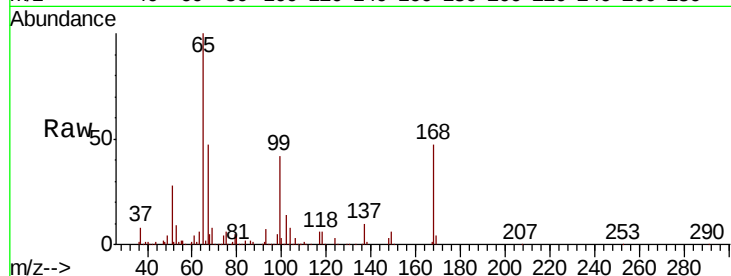
#33
 1,2-Dichloroethane-d4
 Concen: 51.613 ug/l
 RT: 4.99 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	47.3	0.0	94.6

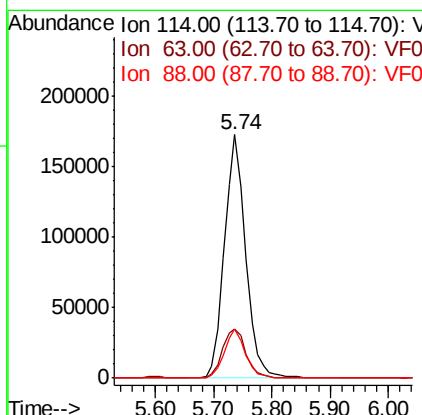
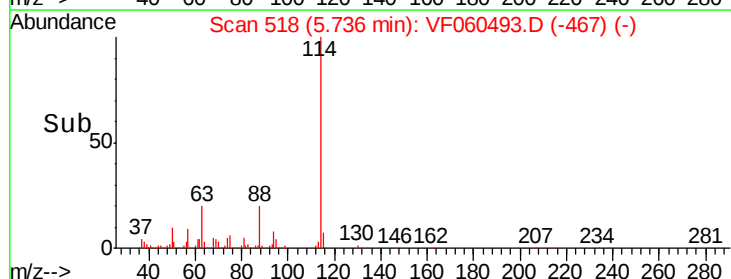
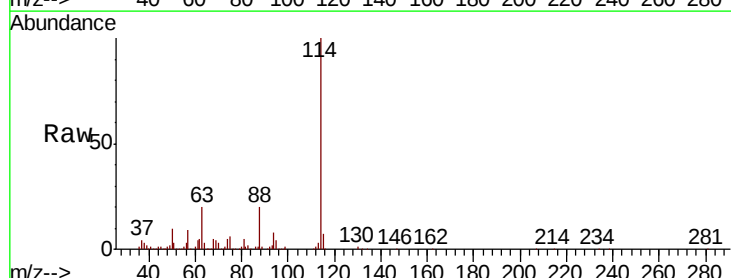
Manual Integrations
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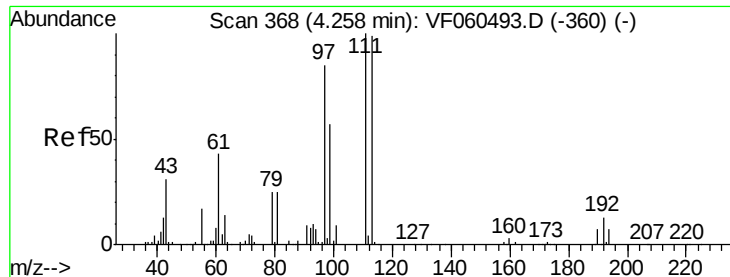
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	20.1	0.0	40.2





#35

Dibromofluoromethane

Concen: 50.562 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

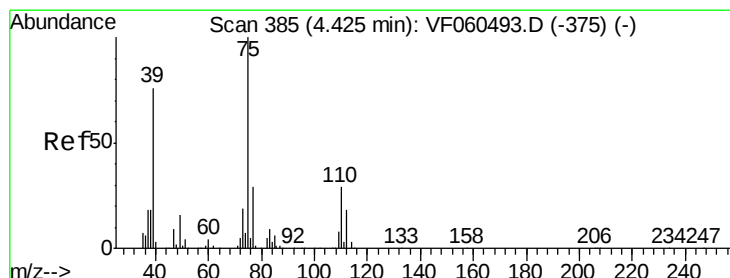
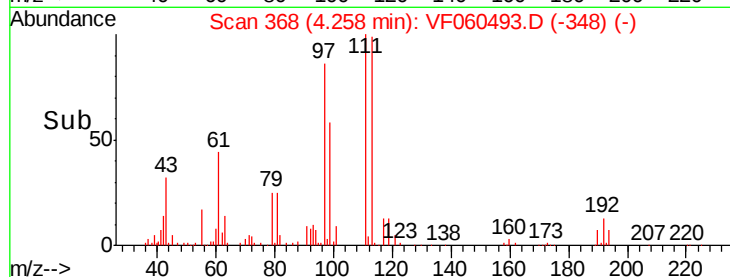
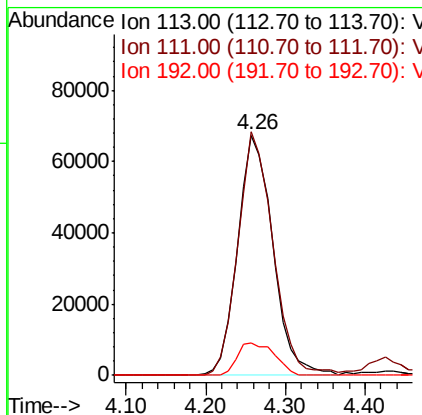
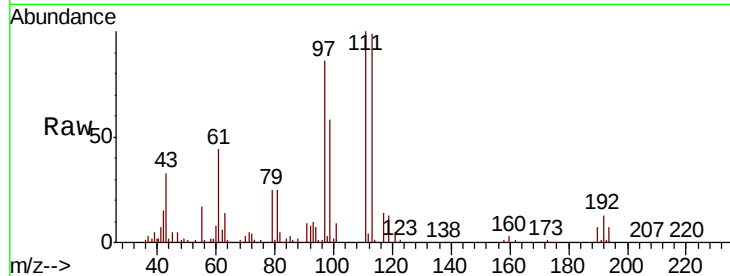
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	206539
Ion Ratio	Lower	Upper	
113	100		
111	101.3	81.0	121.6
192	13.4	10.7	16.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.311 ug/l

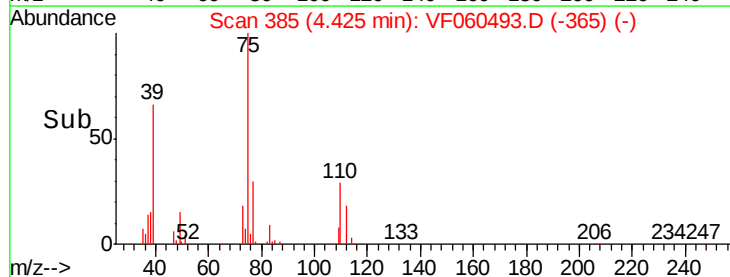
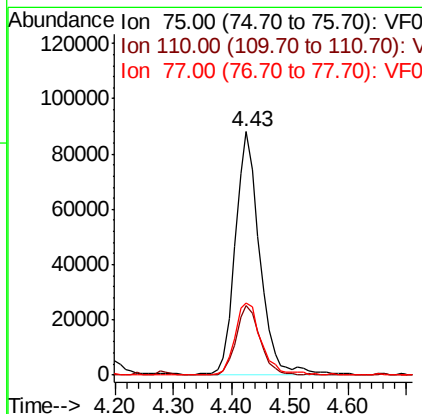
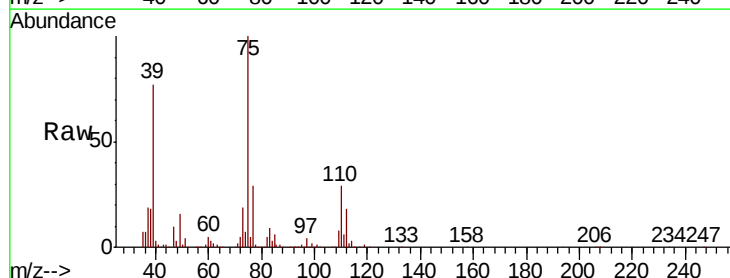
RT: 4.43 min Scan# 385

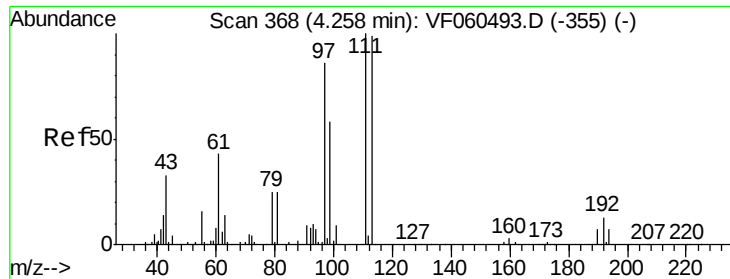
Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Tgt Ion:	75	Resp:	258036
Ion Ratio	Lower	Upper	
75	100		
110	28.8	14.4	43.2
77	29.4	23.5	35.3





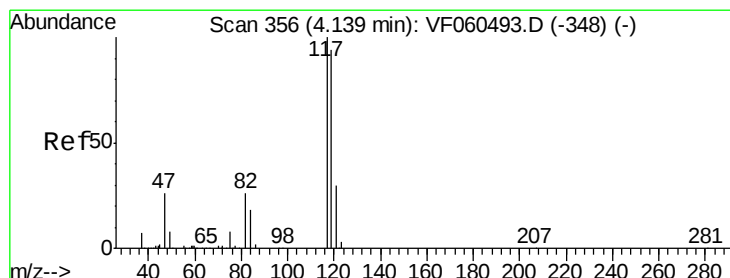
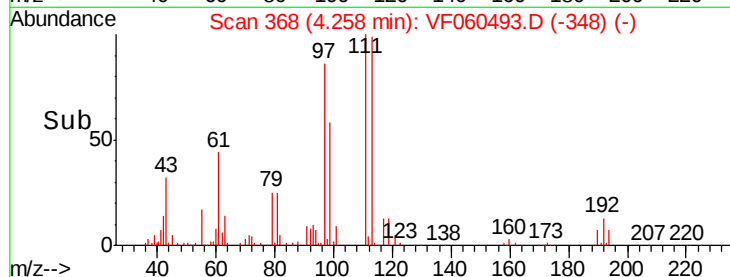
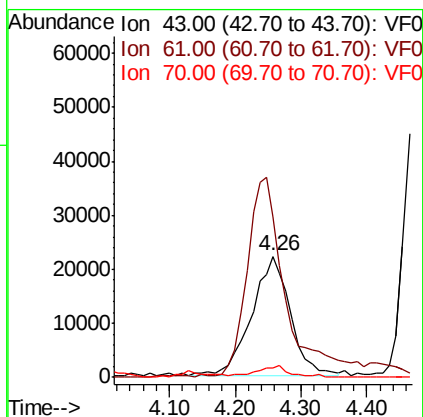
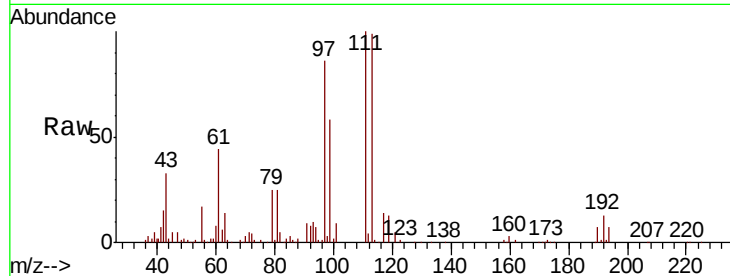
#37
Ethyl Acetate
Concen: 44.324 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	133.1	106.5	159.7			
70	8.1	6.5	9.7			

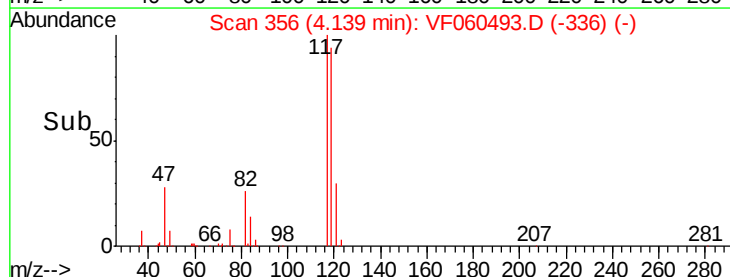
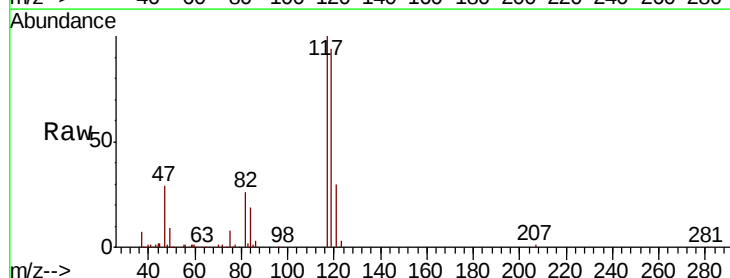
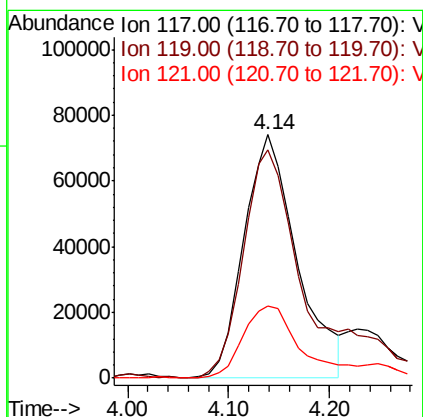
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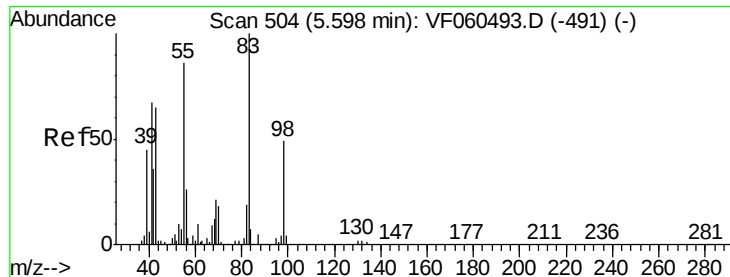
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#38
Carbon Tetrachloride
Concen: 42.841 ug/l
RT: 4.14 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	93.7	75.0	112.4			
121	29.7	23.8	35.6			





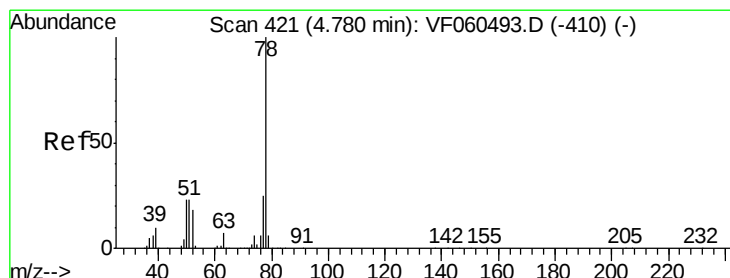
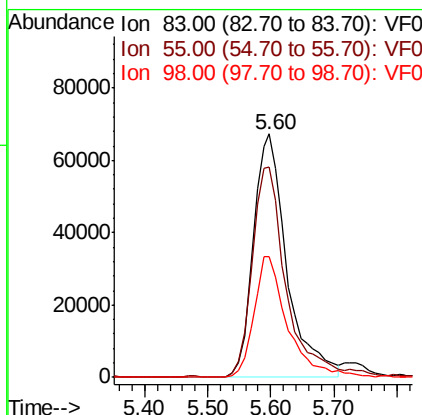
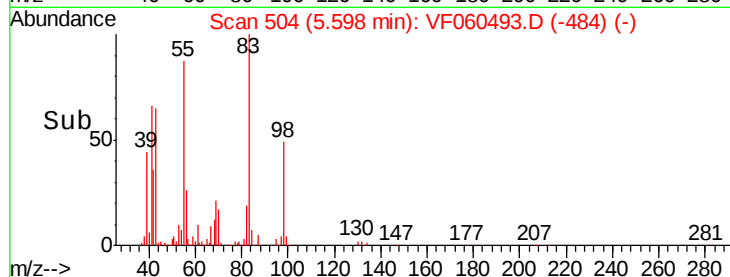
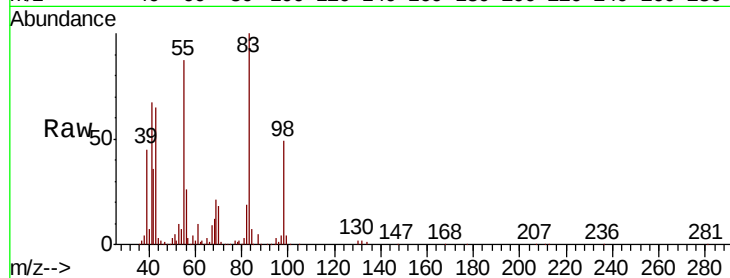
#39
Methvlcvclohexane
Concen: 47.013 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.5	69.2	103.8
98	49.5	39.6	59.4

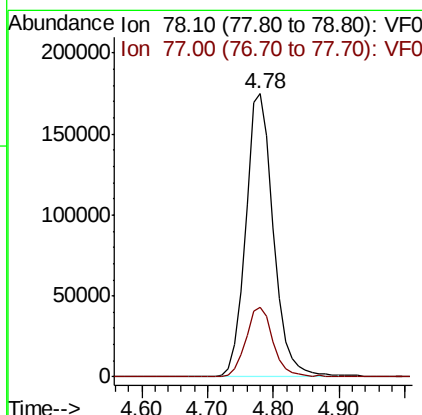
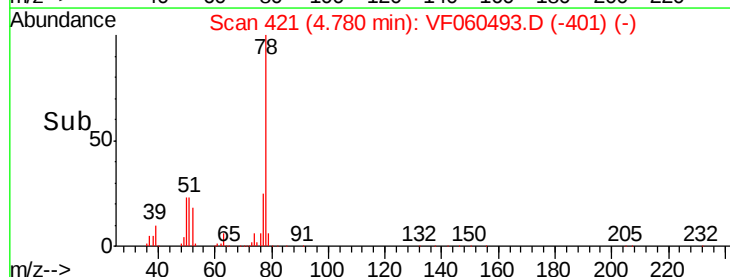
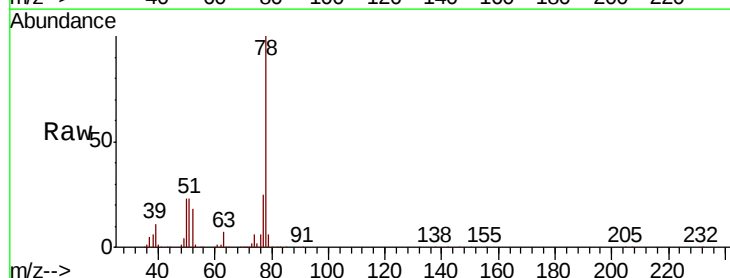
Manual Integrations
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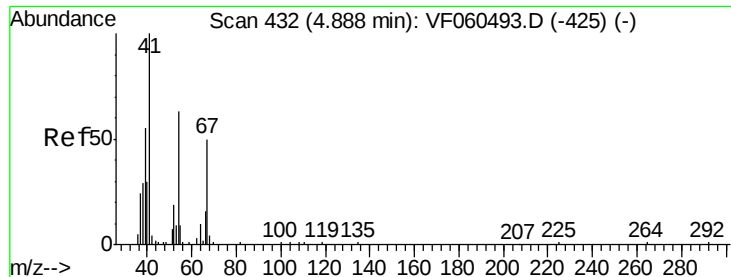
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#40
Benzene
Concen: 48.031 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.8	29.8





#41

Methacrylonitrile

Concen: 46.363 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

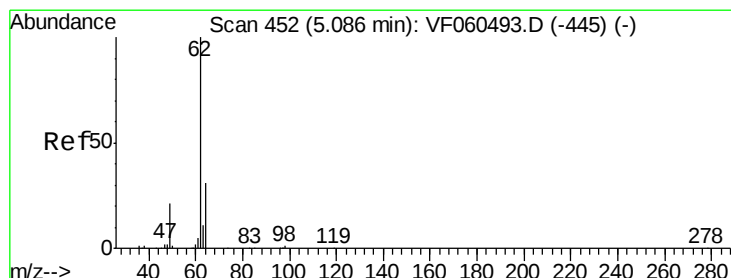
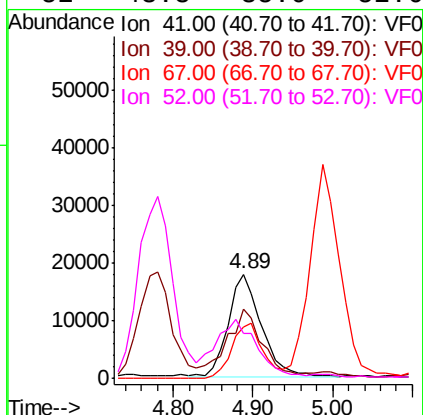
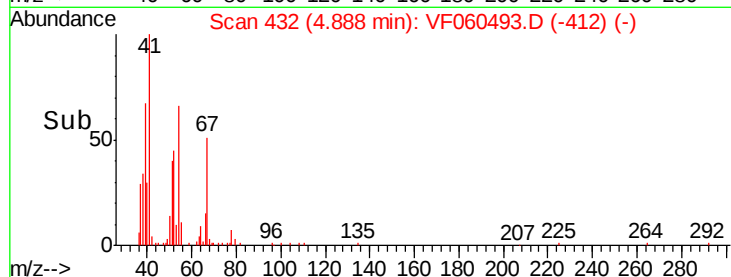
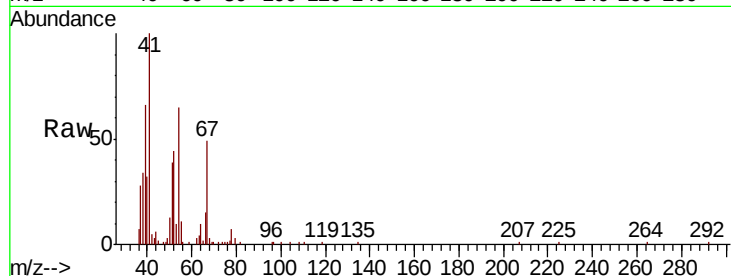
ClientSampleId :

VSTDICCC050

Tot Ion	41	Resp	50755
Ion	Ratio	Lower	Upper
41	100		
39	66.4	53.1	79.7
67	49.2	39.4	59.0
52	43.8	35.0	52.6

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.217 ug/l

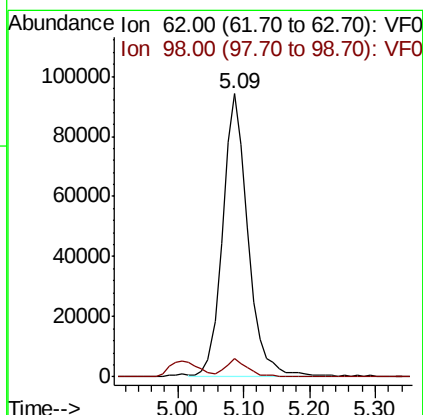
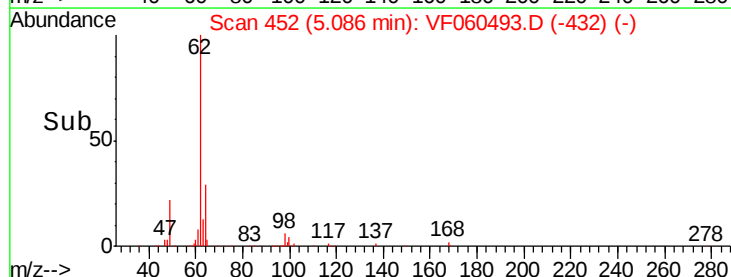
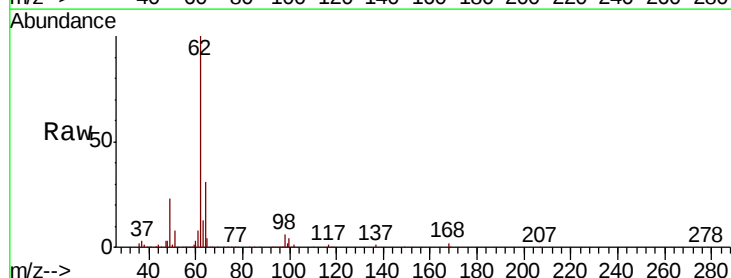
RT: 5.09 min Scan# 452

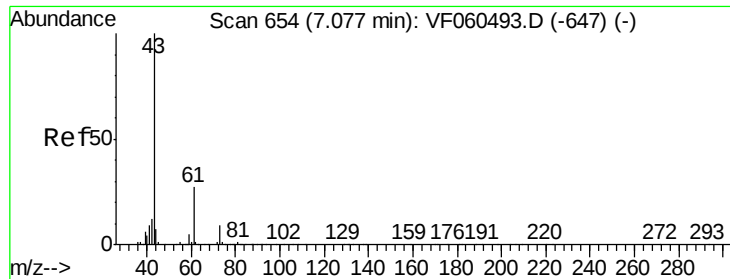
Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Tgt Ion	62	Resp	250350
Ion	Ratio	Lower	Upper
62	100		
98	6.4	0.0	12.8





#43

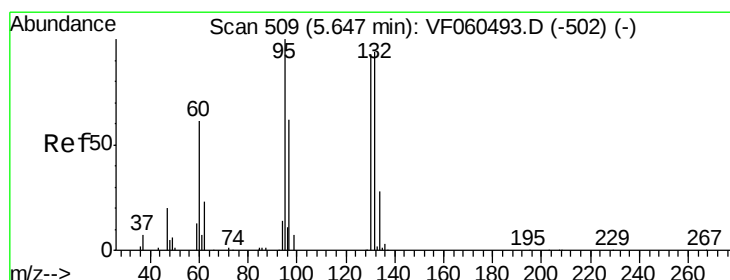
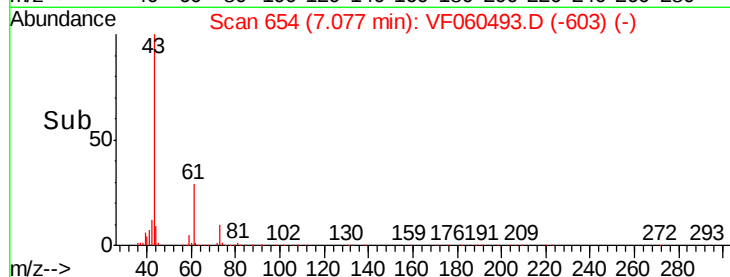
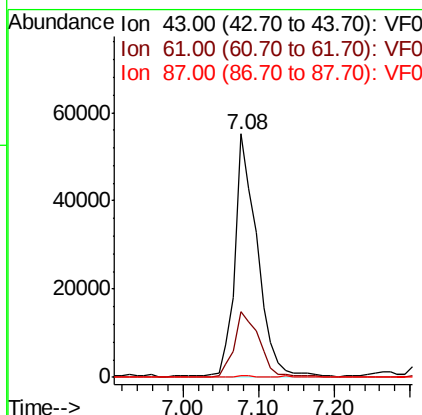
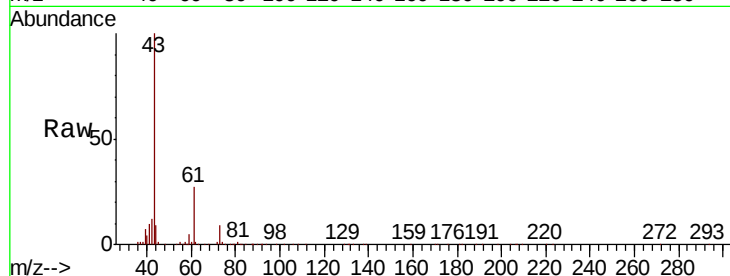
Isopropyl Acetate
 Concen: 44.798 ug/l
 RT: 7.08 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.6	32.4
87	0.7	0.6	0.8

Manual Integrations
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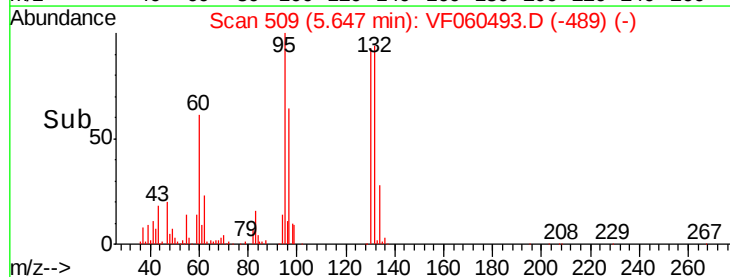
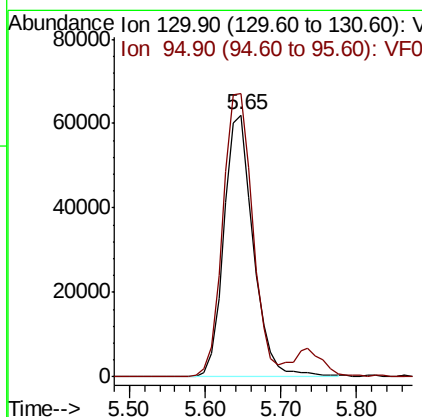
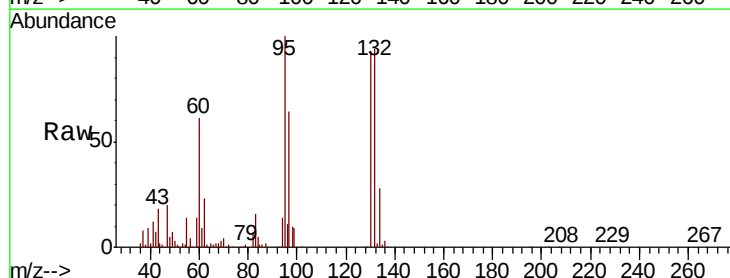
apatel
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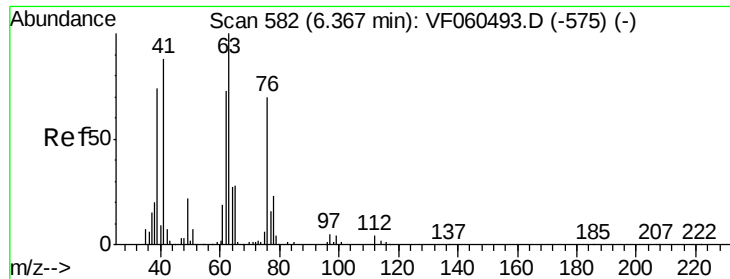


#44

Trichloroethene
 Concen: 48.326 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.0	0.0	216.0





#45

1,2-Dichloropropane

Concen: 45.999 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 129683

Ion Ratio Lower Upper

63 100

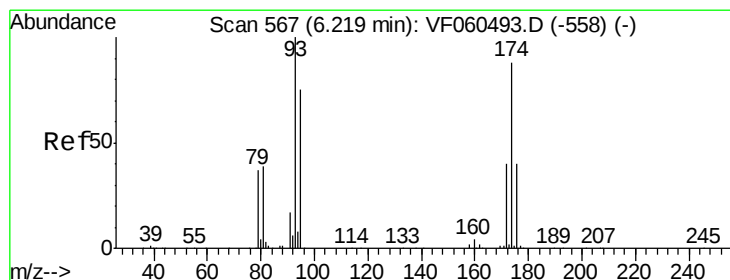
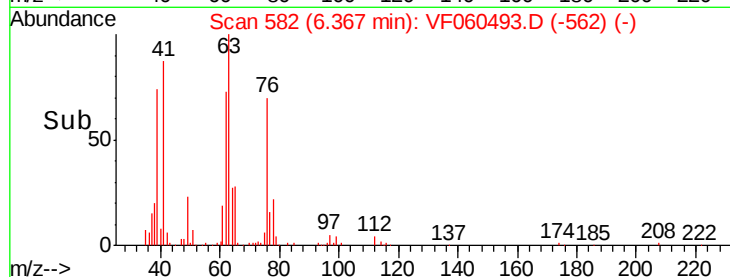
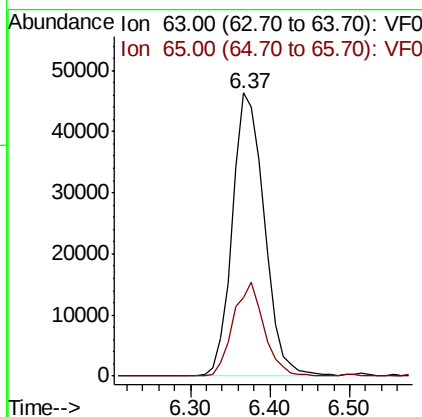
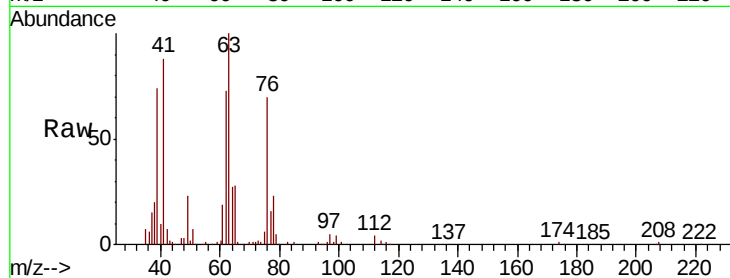
65 27.7 22.2 33.2

Manual Integrations

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#46

Dibromomethane

Concen: 47.740 ug/l

RT: 6.22 min Scan# 567

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

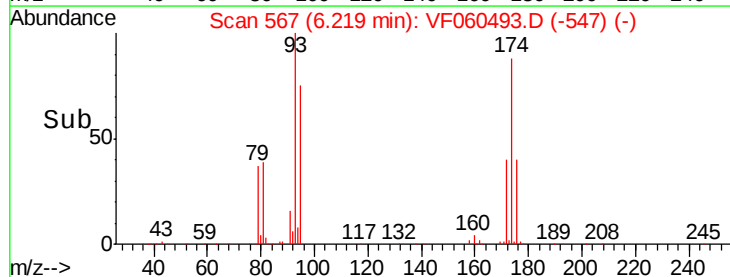
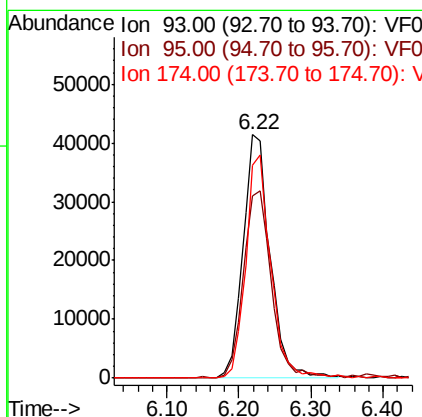
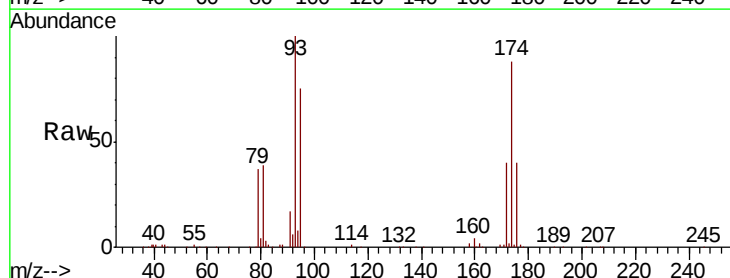
Tgt Ion: 93 Resp: 108427

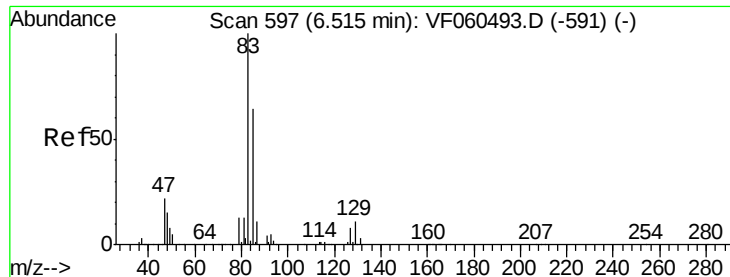
Ion Ratio Lower Upper

93 100

95 75.0 60.0 90.0

174 88.8 71.0 106.6





#47

Bromodichloromethane

Concen: 48.925 ug/l

RT: 6.51 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

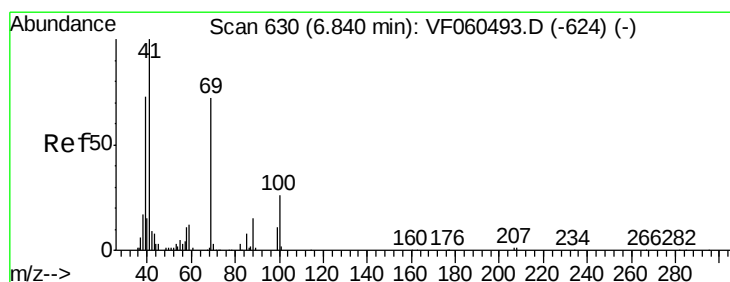
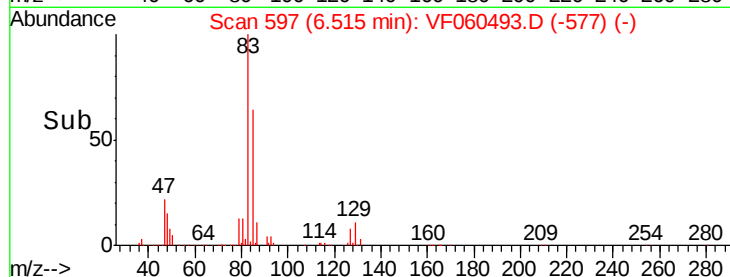
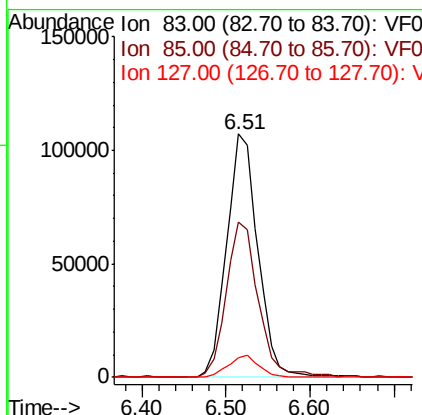
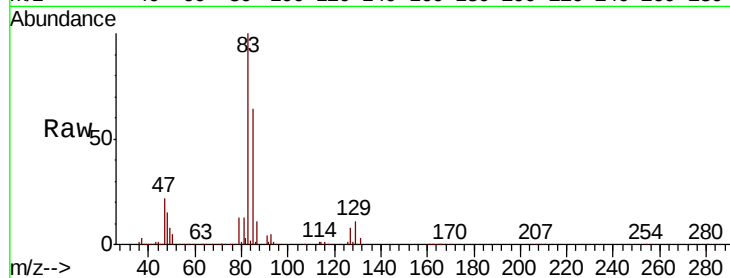
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	276843
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.2	76.8
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.843 ug/l

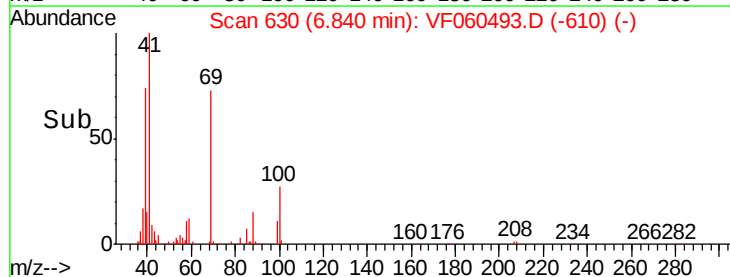
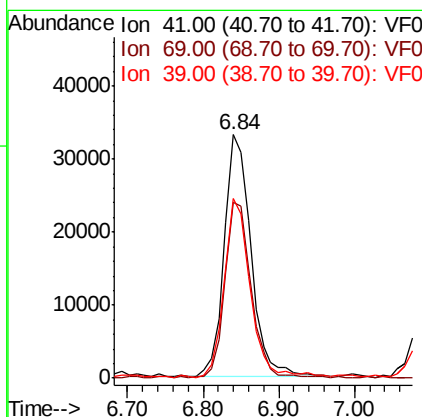
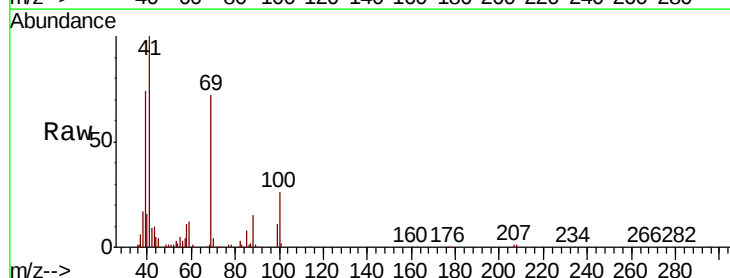
RT: 6.84 min Scan# 630

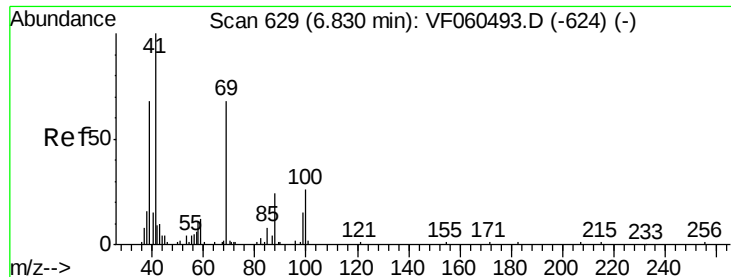
Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Tgt Ion:	41	Resp:	81152
Ion Ratio	Lower	Upper	
41	100		
69	72.3	57.8	86.8
39	73.9	59.1	88.7





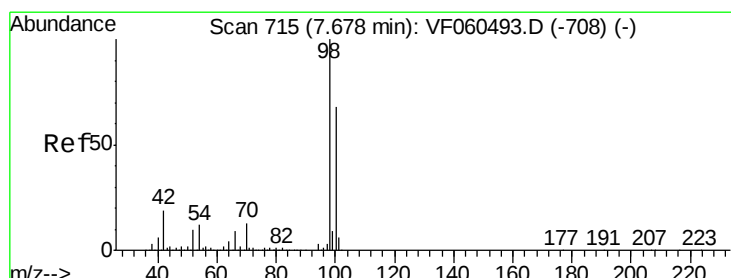
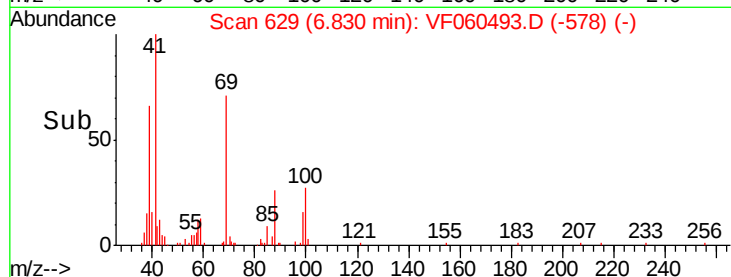
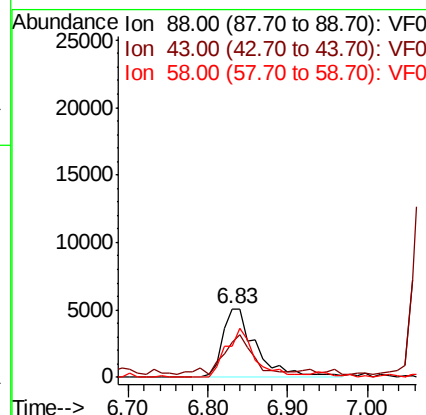
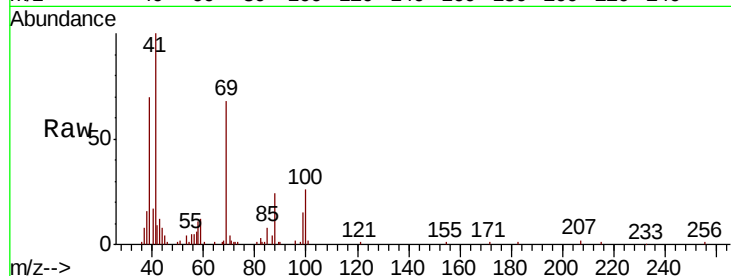
#49
1,4-Dioxane
Concen: 991.426 ug/l
RT: 6.83 min Scan# 629
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	15172
Ion Ratio	Lower	Upper	
88	100		
43	50.2	40.2	60.2
58	45.4	36.3	54.5

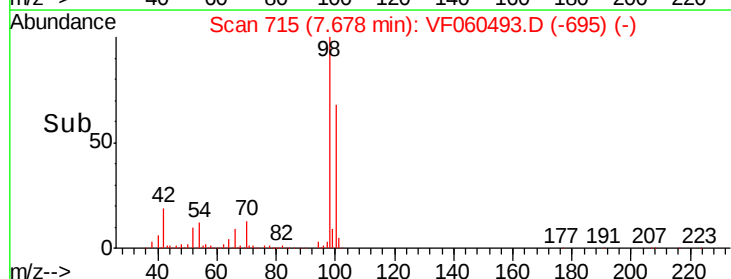
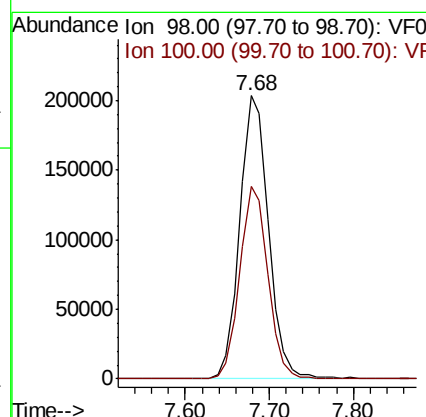
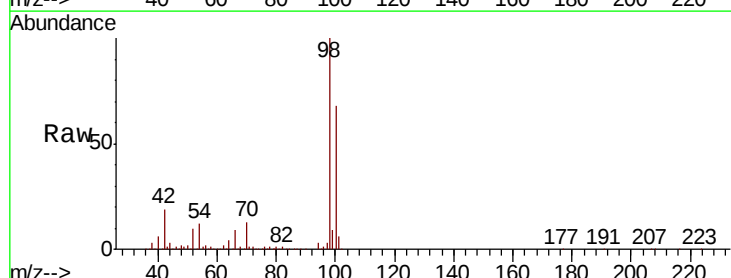
Manual Integrations
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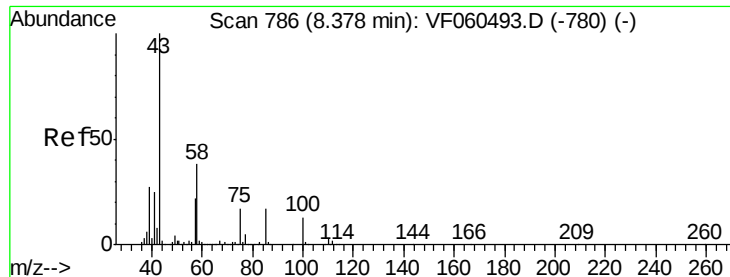
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#50
Toluene-d8
Concen: 48.656 ug/l
RT: 7.68 min Scan# 715
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	98	Resp	484934
Ion Ratio	Lower	Upper	
98	100		
100	68.0	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 218.703 ug/l

RT: 8.38 min Scan# 786

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 384399

Ion Ratio Lower Upper

43 100

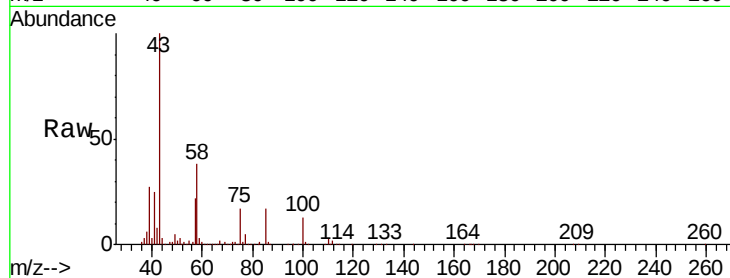
58 38.0 30.4 45.6

Manual Integrations

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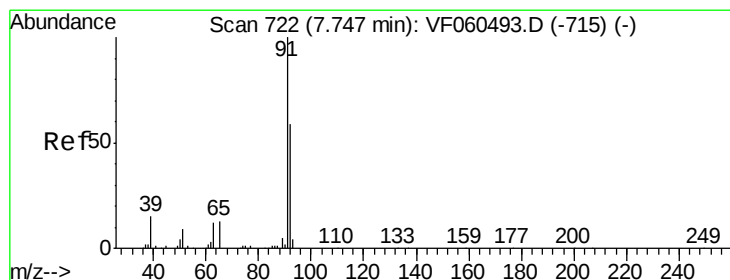
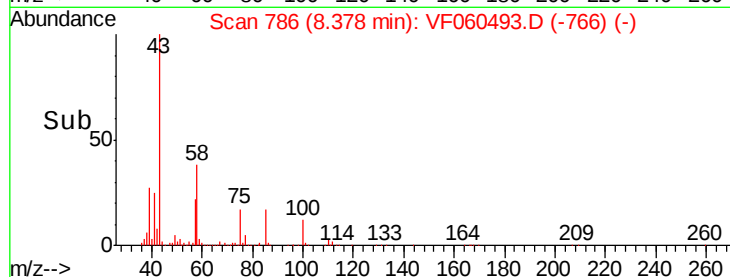
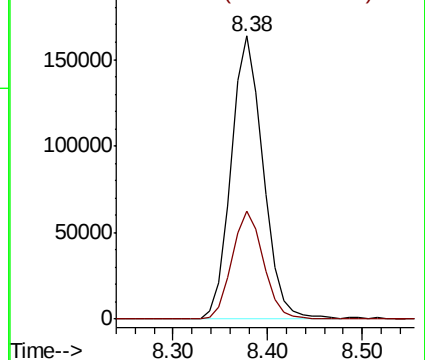
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 44.585 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.00 min

Lab File: VF060493.D

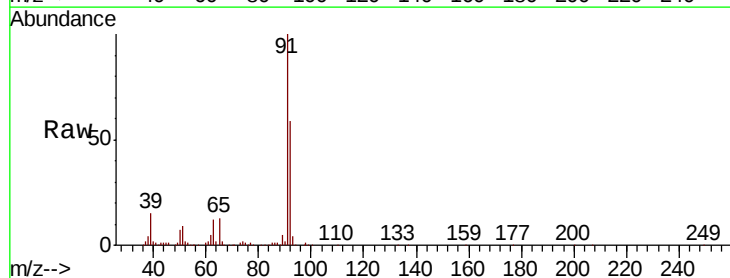
Acq: 9 Oct 2018 16:12

Tgt Ion: 92 Resp: 321755

Ion Ratio Lower Upper

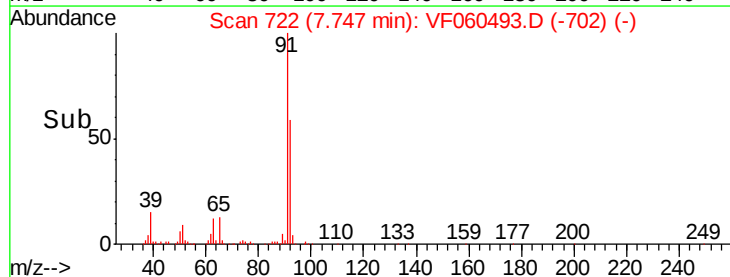
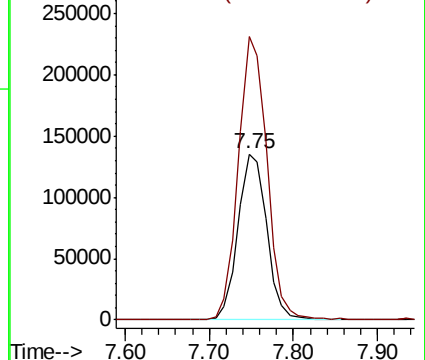
92 100

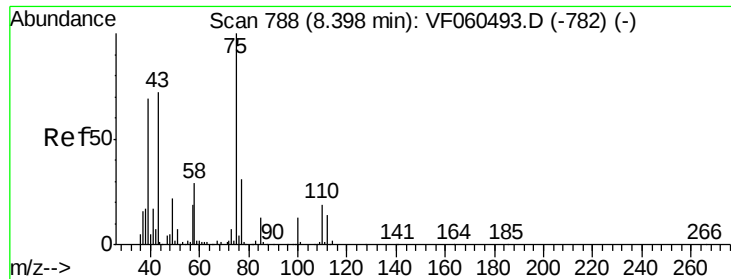
91 170.8 136.6 205.0



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: 46.427 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 205691

Ion Ratio Lower Upper

75 100

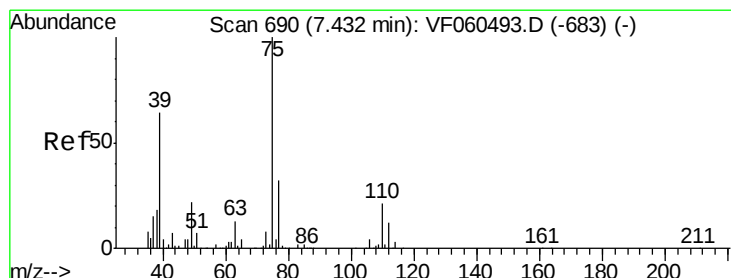
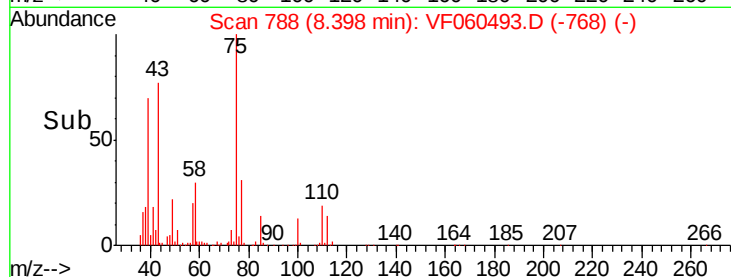
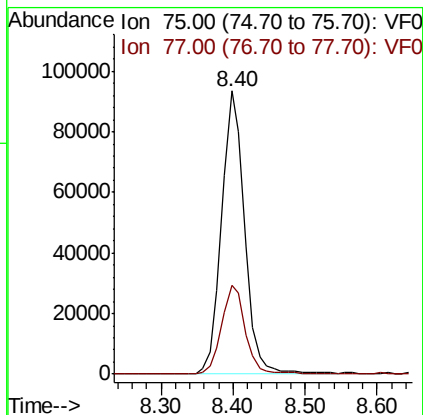
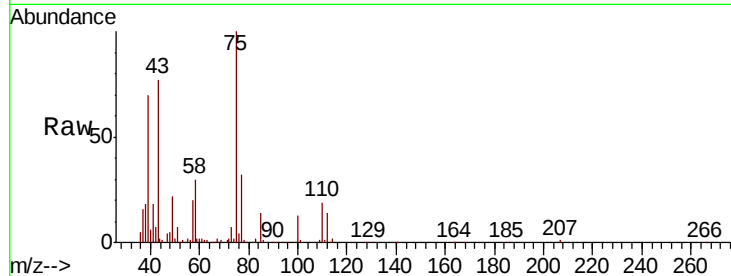
77 31.5 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 47.828 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

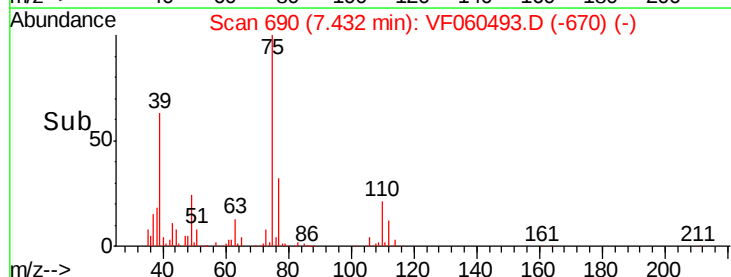
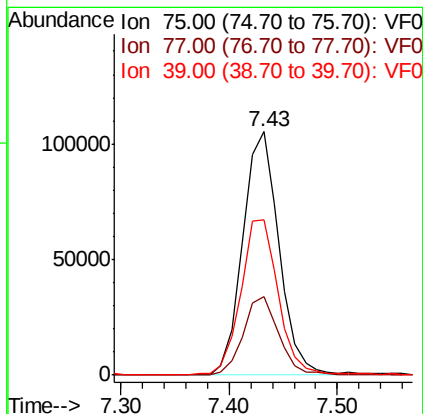
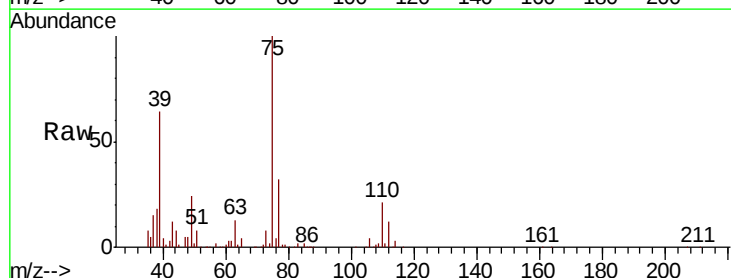
Tgt Ion: 75 Resp: 245285

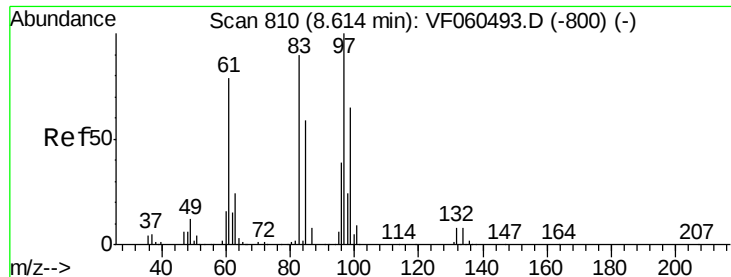
Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0

39 64.0 51.2 76.8





#55

1,1,2-Trichloroethane

Concen: 45.862 ug/l

RT: 8.61 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

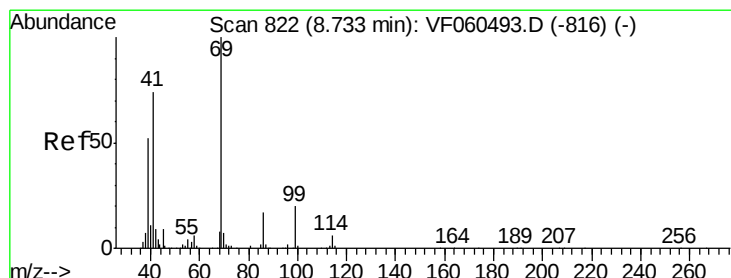
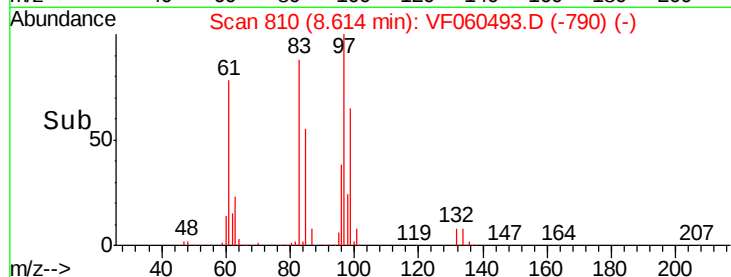
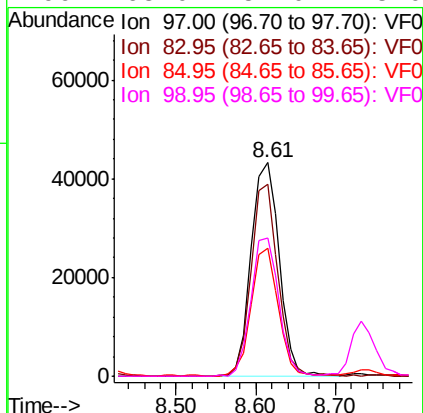
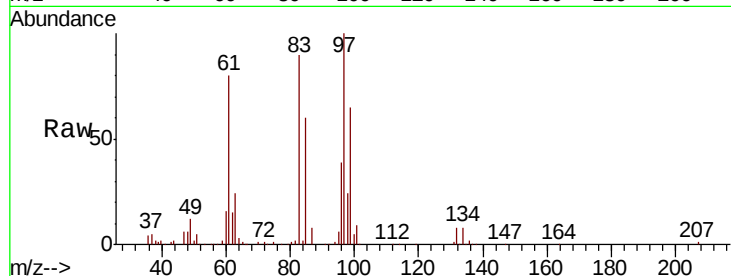
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	104842
Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.9	107.9
85	59.8	47.8	71.8
99	65.0	52.0	78.0

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#56

Ethyl methacrylate

Concen: 44.232 ug/l

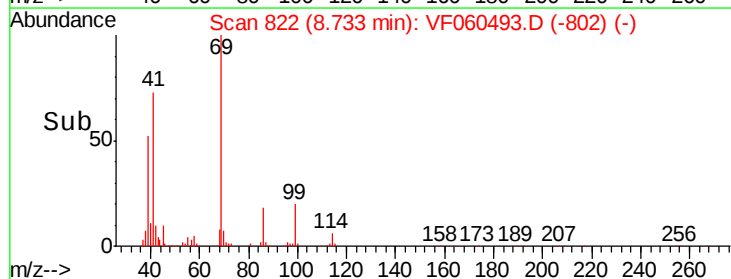
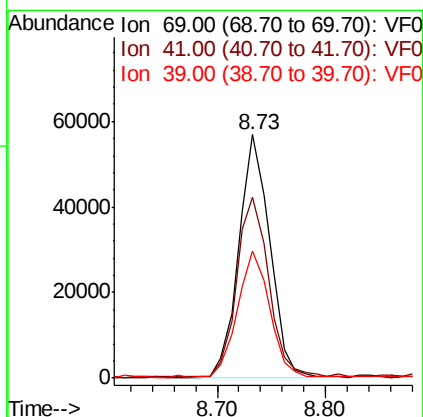
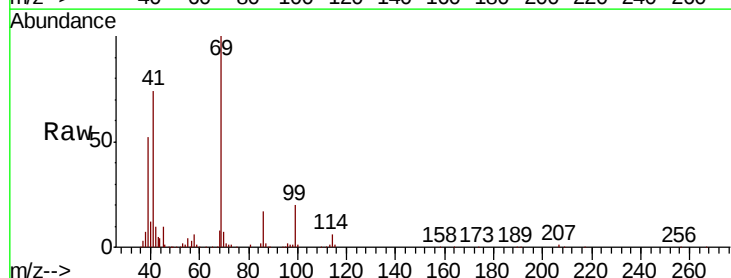
RT: 8.73 min Scan# 822

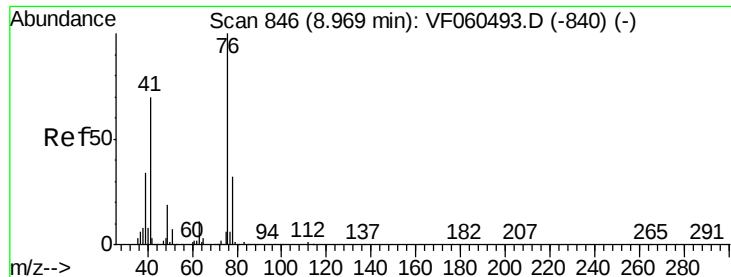
Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Tgt Ion:	69	Resp:	114473
Ion	Ratio	Lower	Upper
69	100		
41	74.1	59.3	88.9
39	52.2	41.8	62.6





#57

1,3-Dichloropropane

Concen: 45.045 ug/l

RT: 8.97 min Scan# 846

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 173718

Ion Ratio Lower Upper

76 100

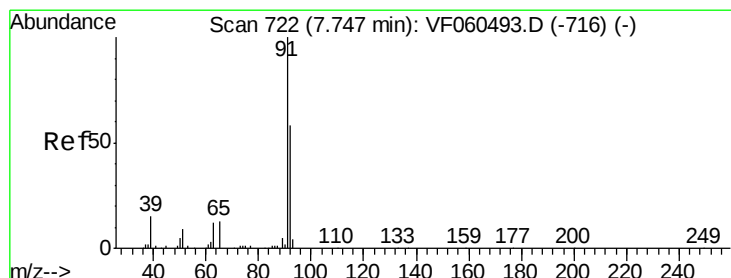
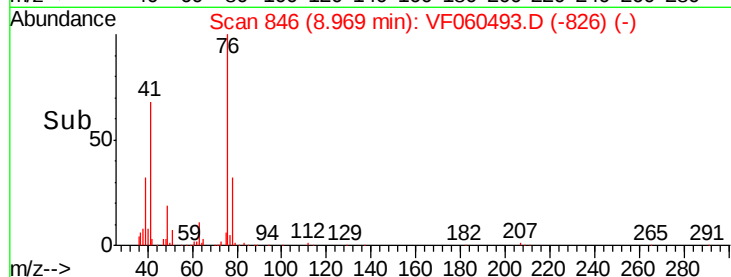
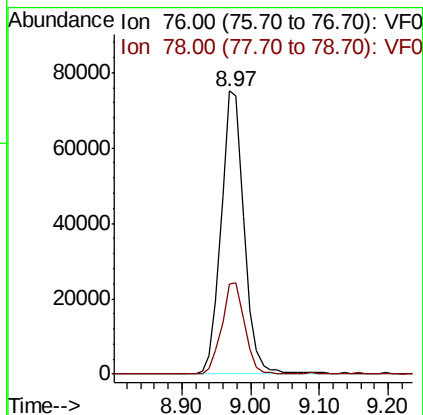
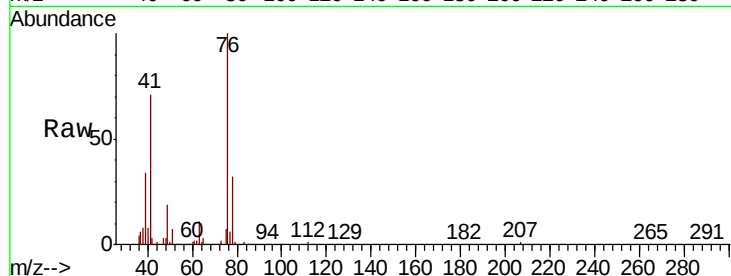
78 31.6 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 229.391 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.00 min

Lab File: VF060493.D

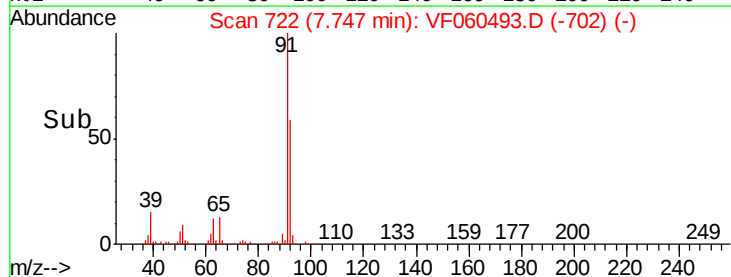
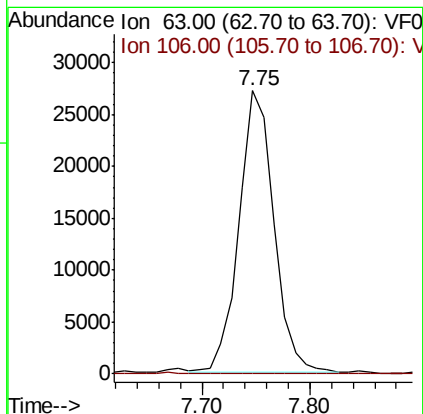
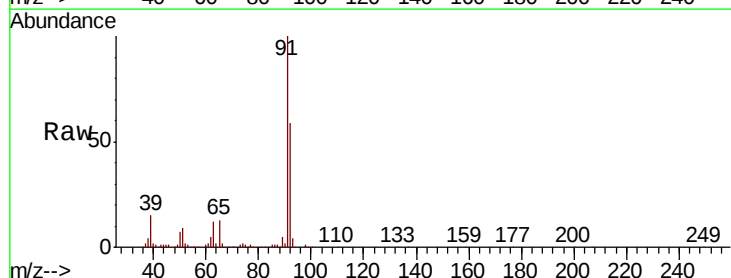
Acq: 9 Oct 2018 16:12

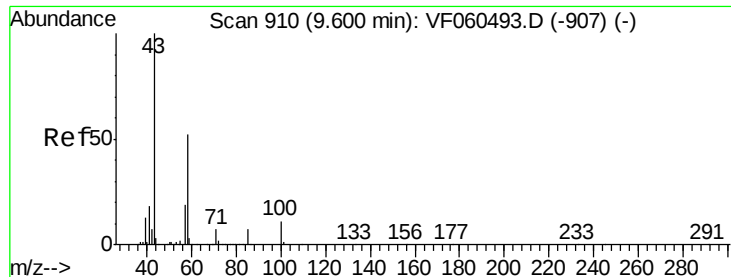
Tgt Ion: 63 Resp: 61051

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





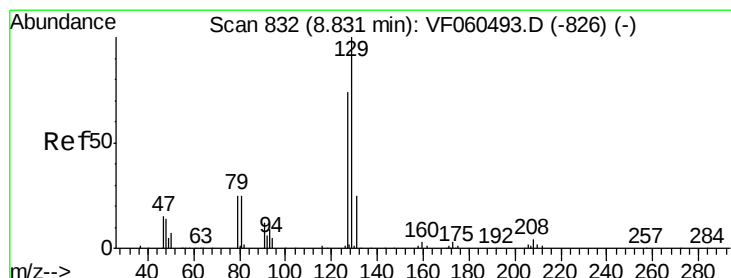
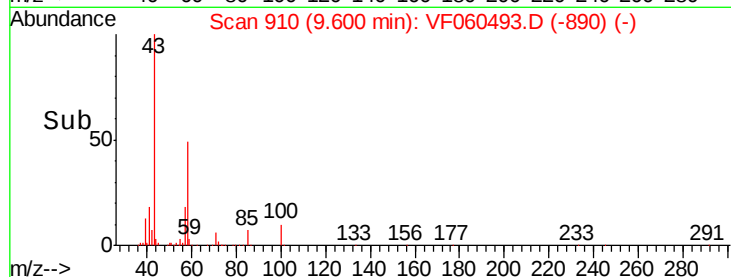
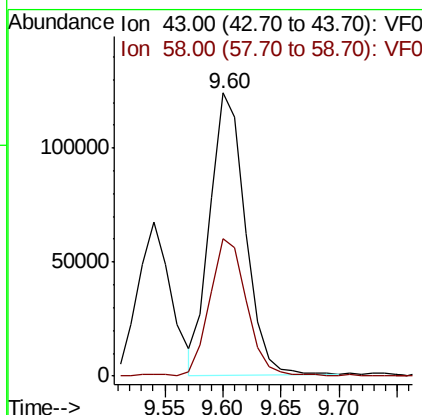
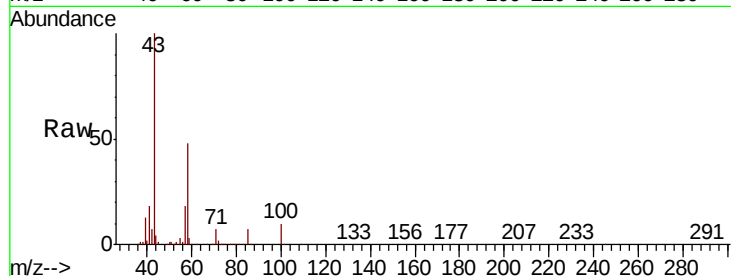
#59
2-Hexanone
Concen: 202.201 ug/l
RT: 9.60 min Scan# 910
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.4	24.2	72.6

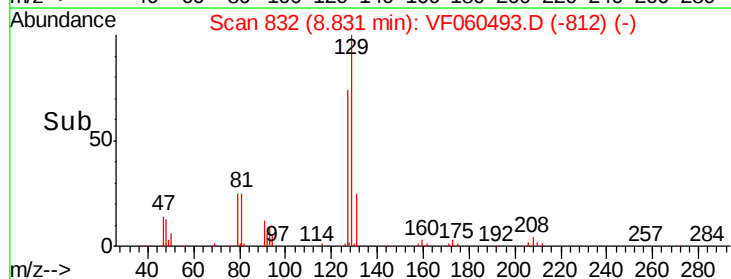
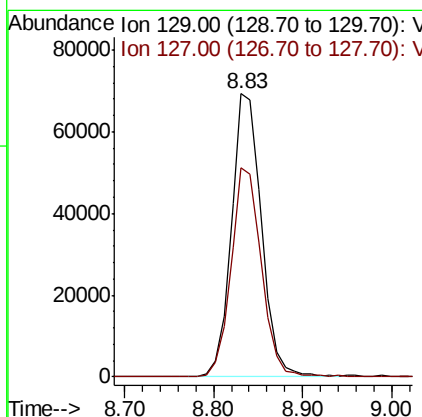
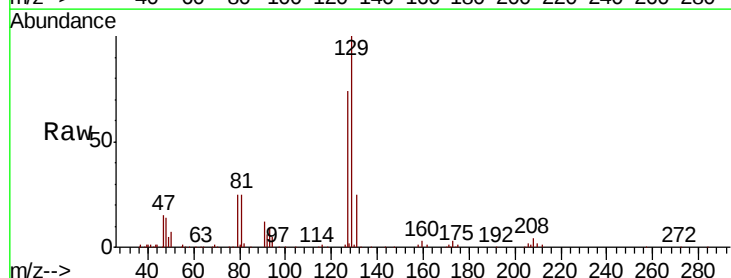
Manual Integrations
APPROVED

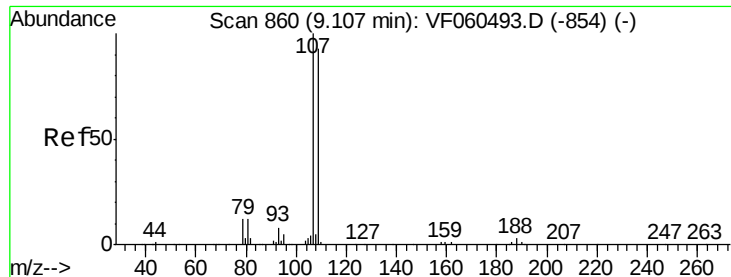
apatel
10/10/2018 12:33:51 PM



#60
Dibromochloromethane
Concen: 47.566 ug/l
RT: 8.83 min Scan# 832
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.9	37.0	110.9





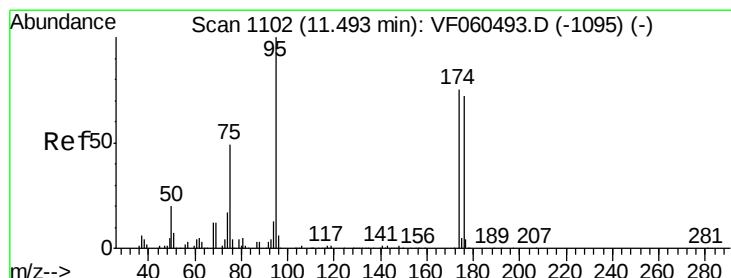
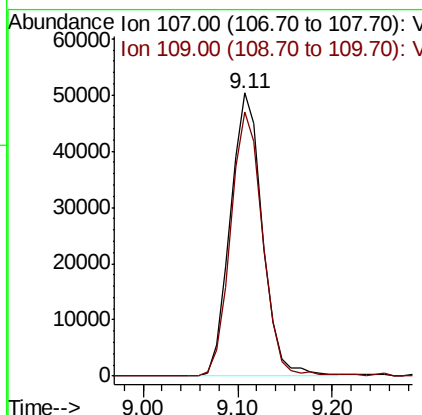
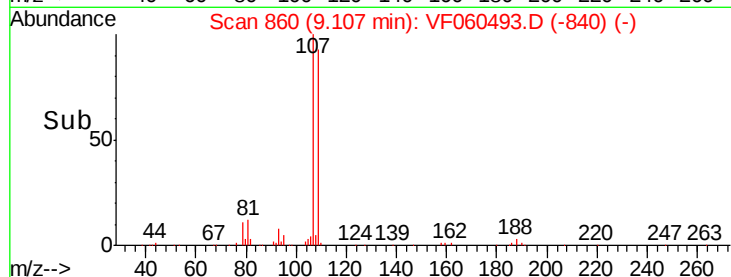
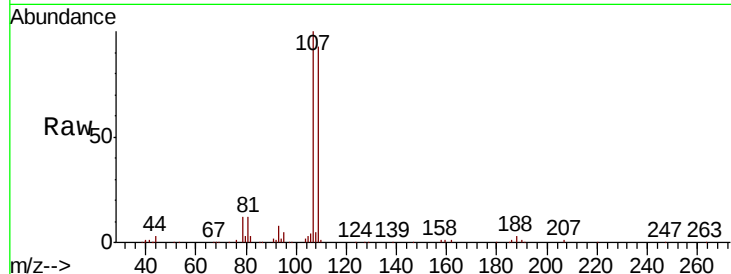
#61
 1,2-Dibromoethane
 Concen: 47.183 ug/l
 RT: 9.11 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.6	112.0

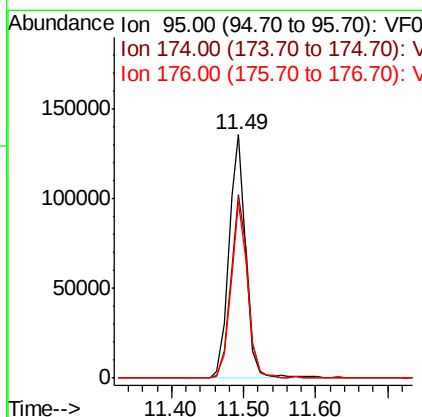
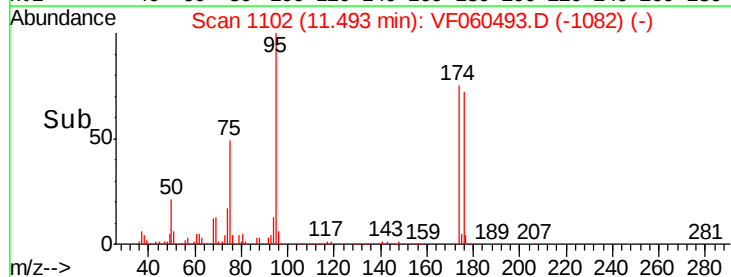
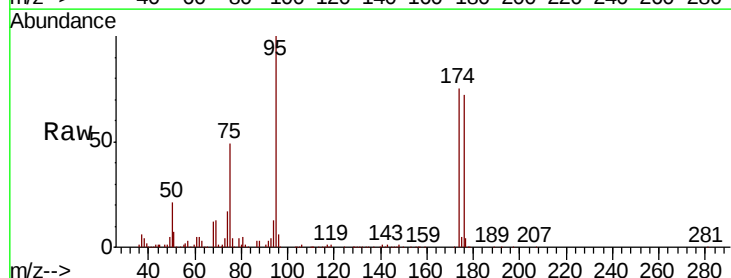
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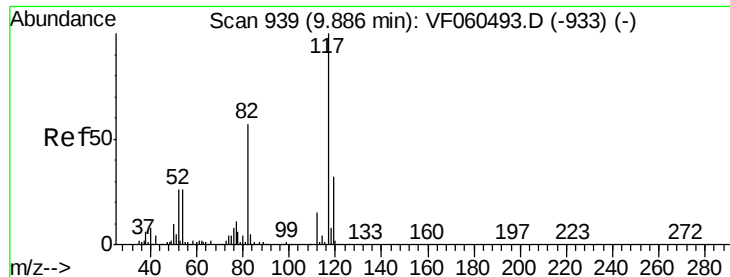
apatel
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#62
 4-Bromofluorobenzene
 Concen: 47.452 ug/l
 RT: 11.49 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	150.4
176	72.3	0.0	144.6





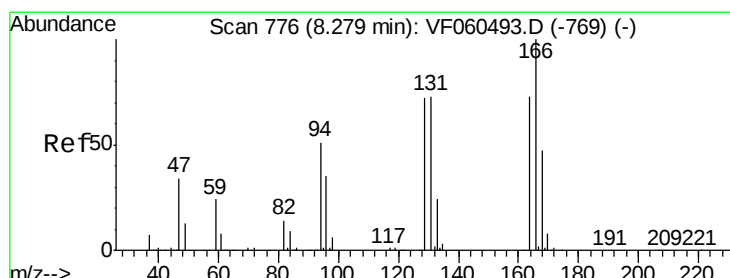
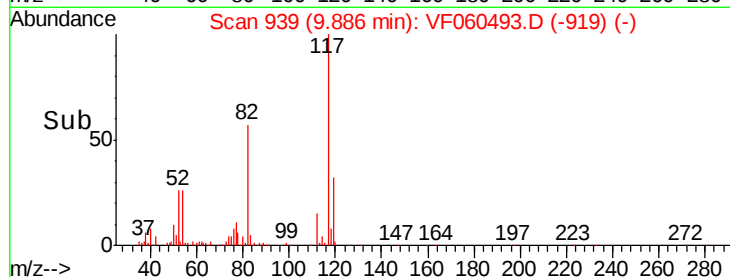
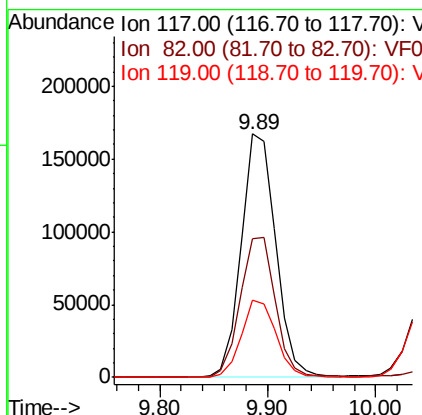
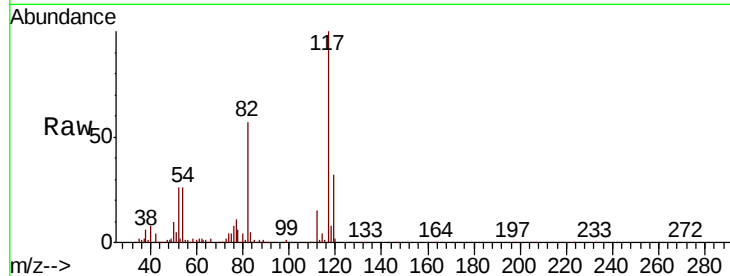
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 939
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.6	68.4
119	31.6	25.3	37.9

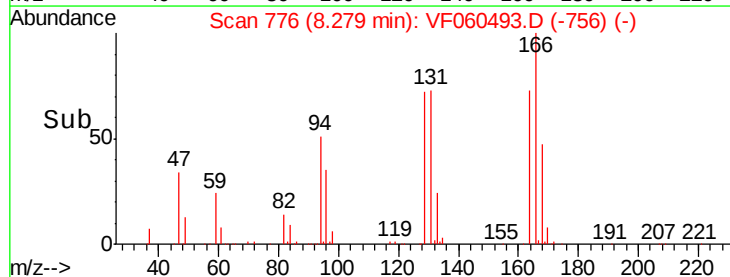
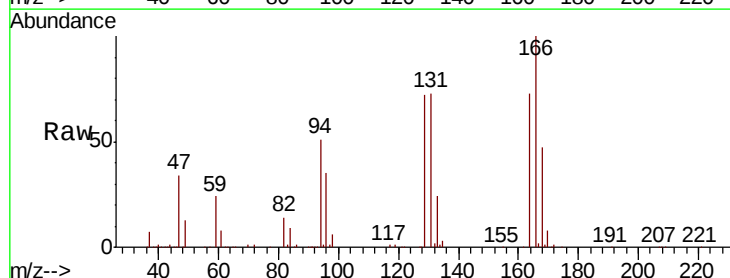
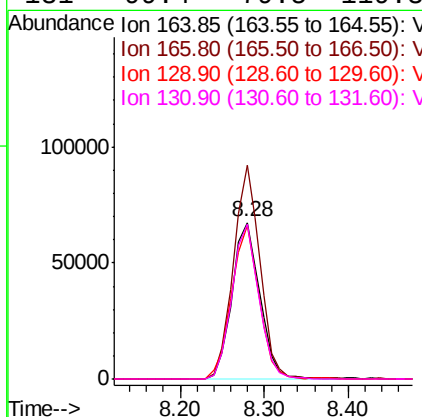
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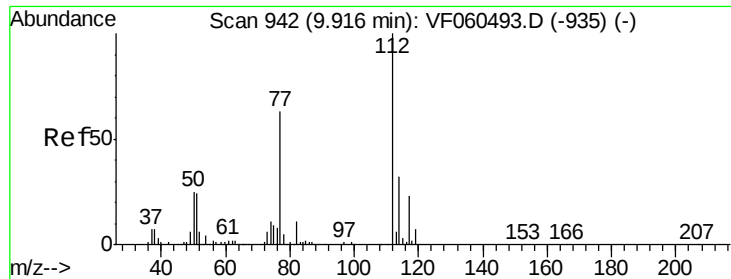
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#64
Tetrachloroethene
Concen: 51.625 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.7	109.4	164.0
129	98.6	78.9	118.3
131	99.4	79.5	119.3





#65

Chlorobenzene

Concen: 48.788 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 373126

Ion Ratio Lower Upper

112 100

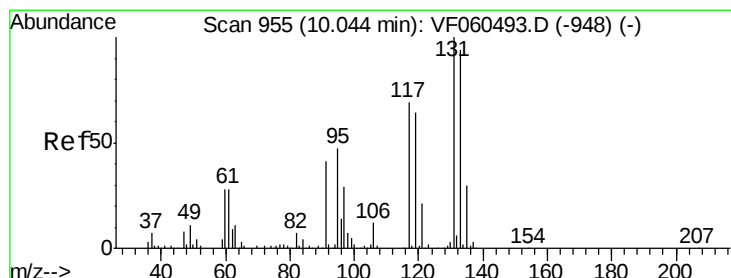
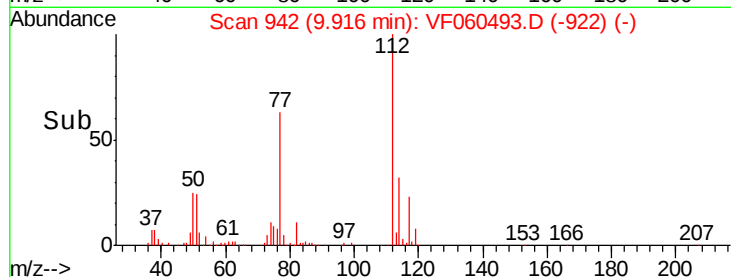
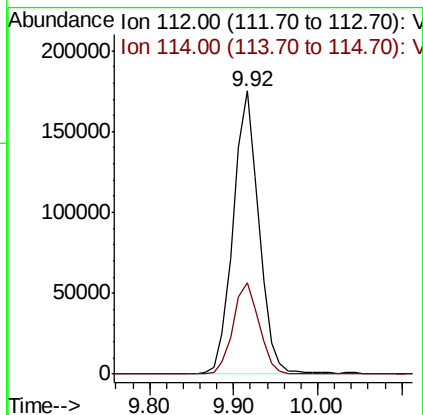
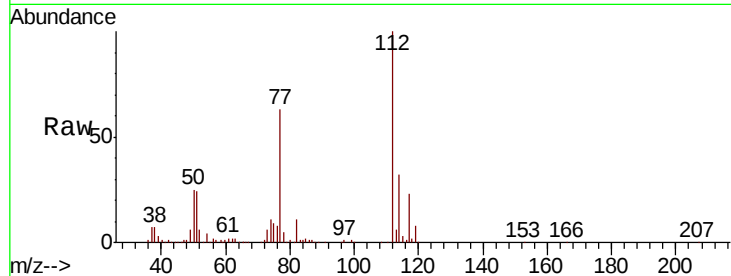
114 32.4 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 50.397 ug/l

RT: 10.04 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

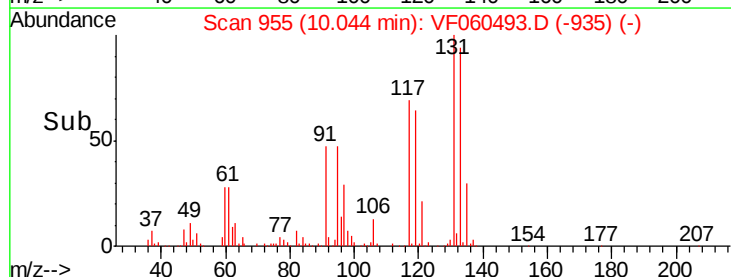
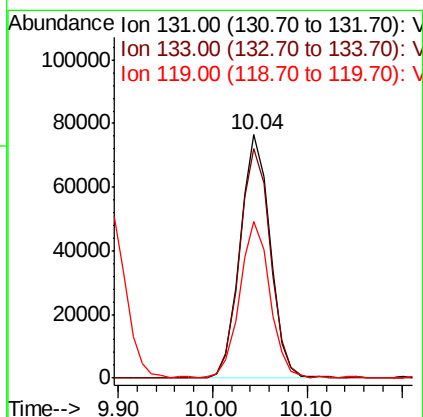
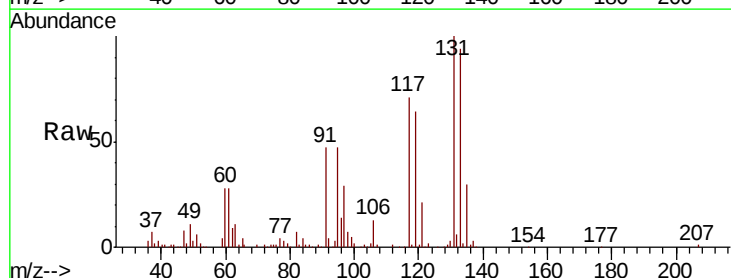
Tgt Ion:131 Resp: 168716

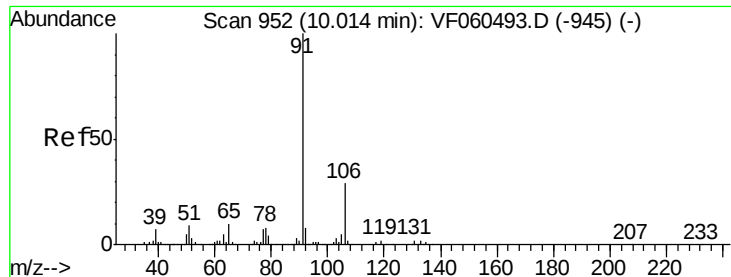
Ion Ratio Lower Upper

131 100

133 94.3 47.1 141.4

119 64.1 32.0 96.2





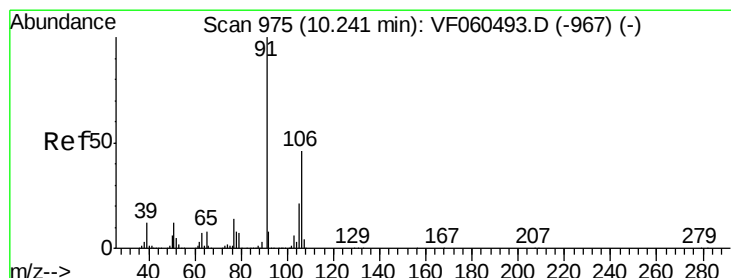
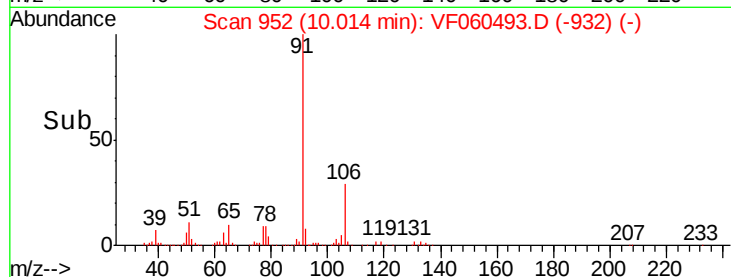
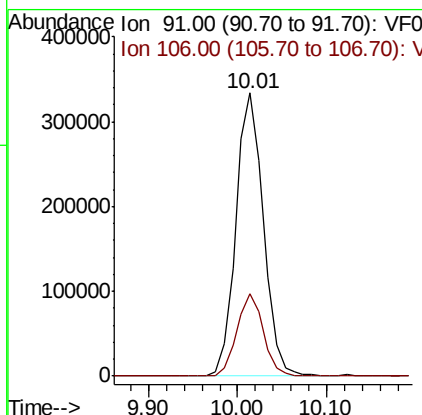
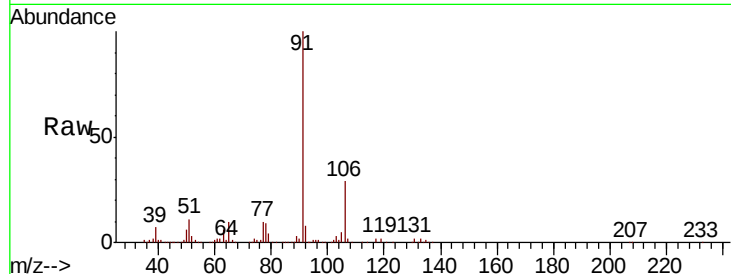
#67
Ethyl Benzene
Concen: 49.204 ug/l
RT: 10.01 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 717169
Ion Ratio Lower Upper
91 100
106 29.1 23.3 34.9

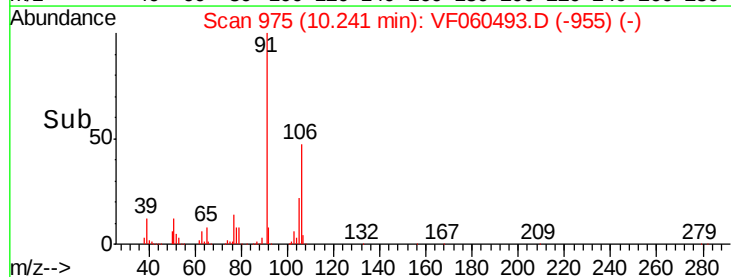
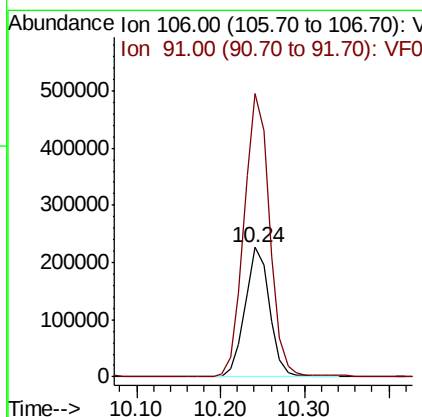
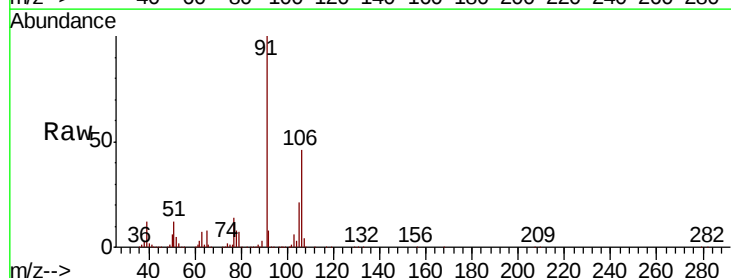
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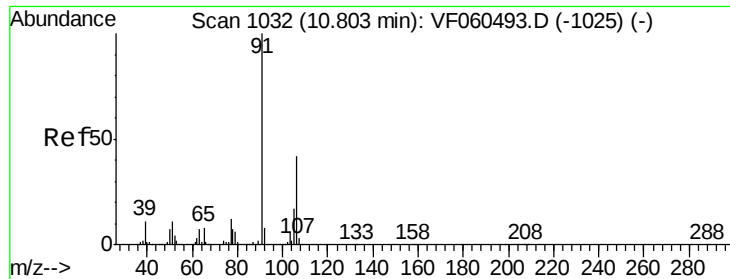
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#68
m/p-Xylenes
Concen: 93.254 ug/l
RT: 10.24 min Scan# 975
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion: 106 Resp: 464959
Ion Ratio Lower Upper
106 100
91 218.3 174.6 262.0





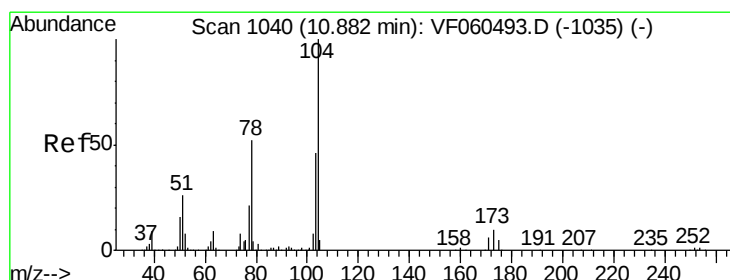
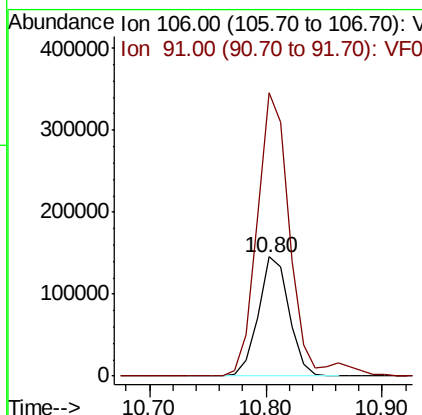
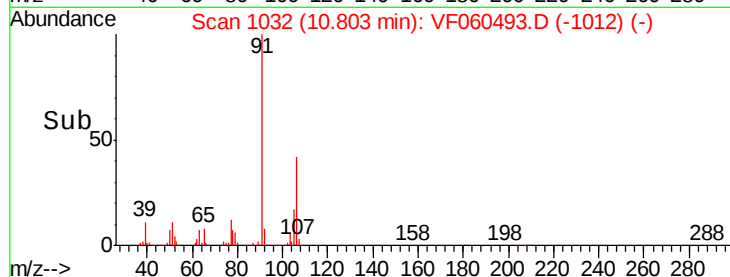
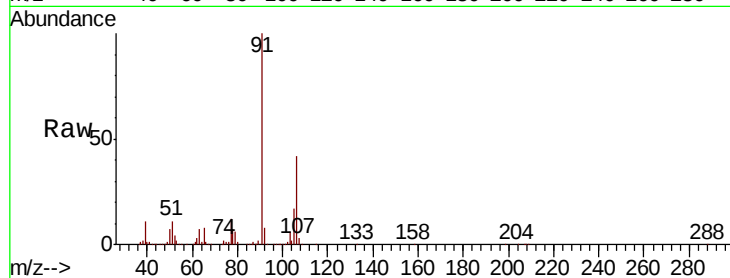
#69
o-Xylene
Concen: 49.235 ug/l
RT: 10.80 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	237.5	118.8	356.3

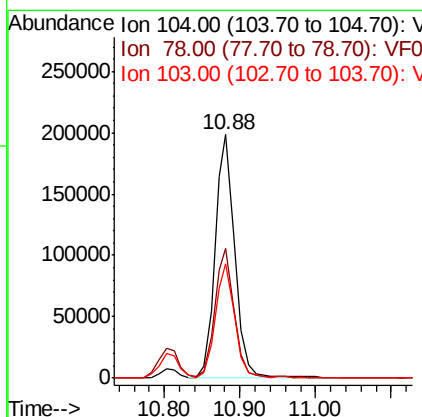
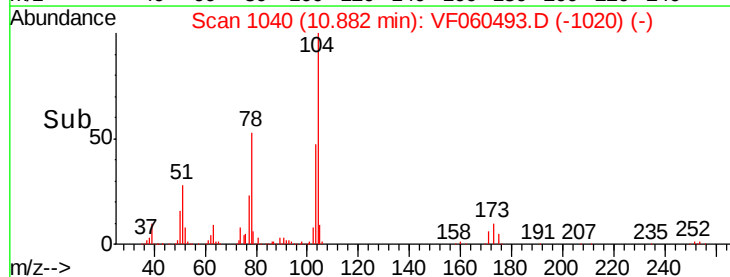
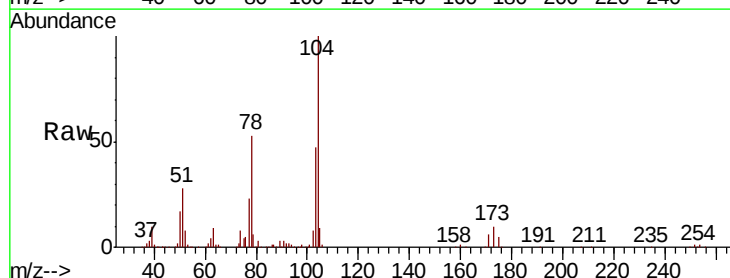
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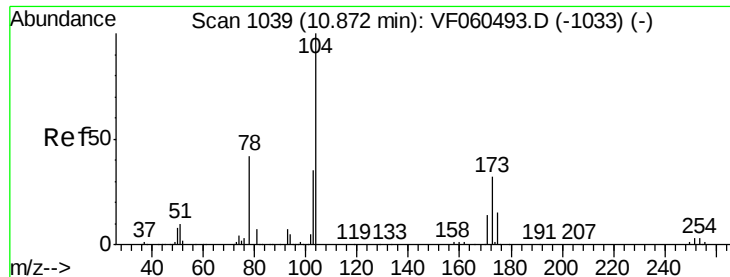
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#70
Styrene
Concen: 46.828 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.7	64.1
103	47.0	37.6	56.4





#71

Bromoform

Concen: 50.821 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

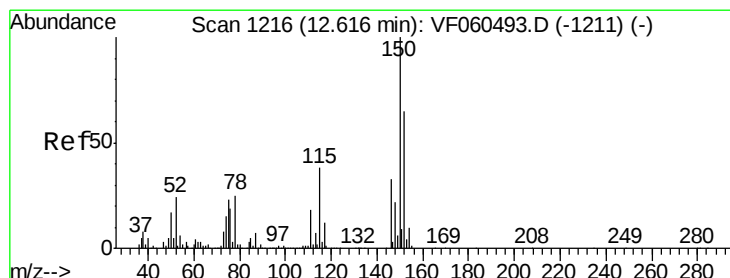
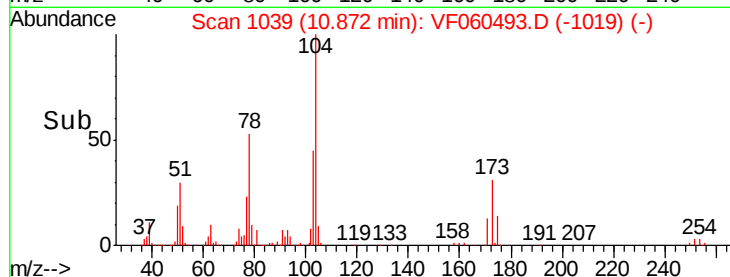
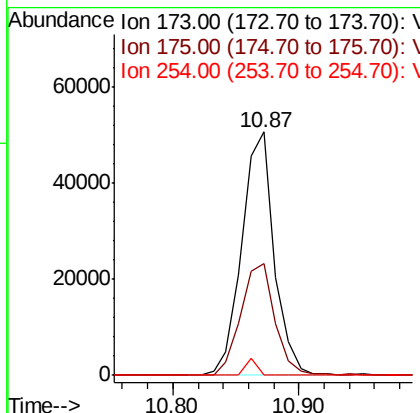
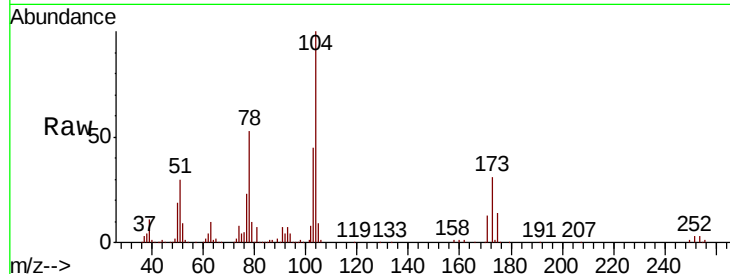
ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 90294
 Ion Ratio Lower Upper
 173 100
 175 46.4 23.2 69.6
 254 0.2 0.2 0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

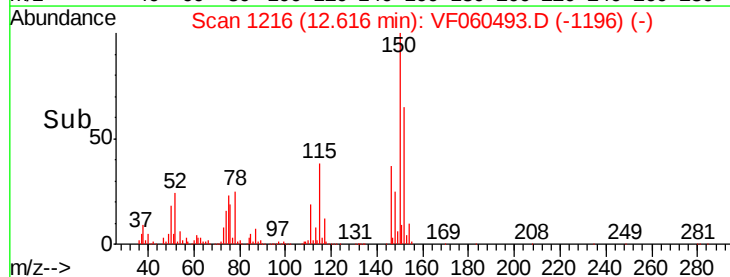
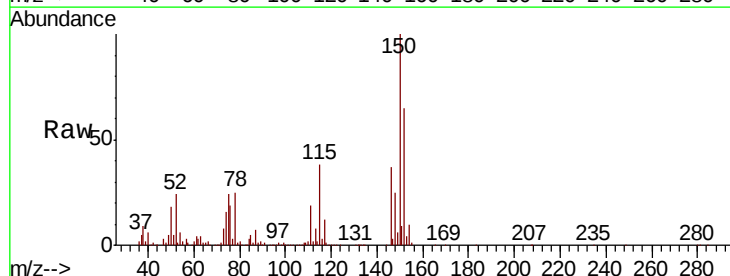
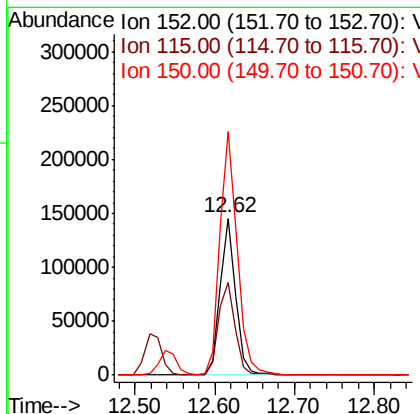
RT: 12.62 min Scan# 1216

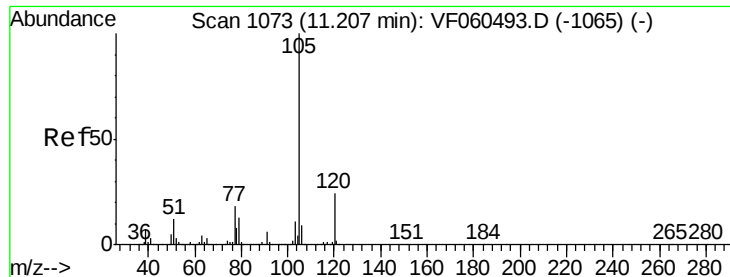
Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Tgt Ion:152 Resp: 202899
 Ion Ratio Lower Upper
 152 100
 115 59.0 29.5 88.5
 150 155.0 0.0 310.0





#73

Isopropylbenzene

Concen: 50.124 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 806919

Ion Ratio Lower Upper

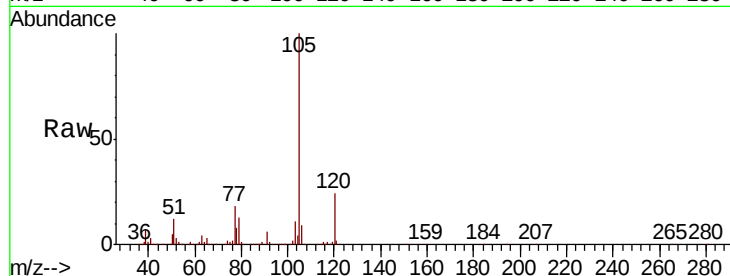
105 100

120 23.9 11.9 35.9

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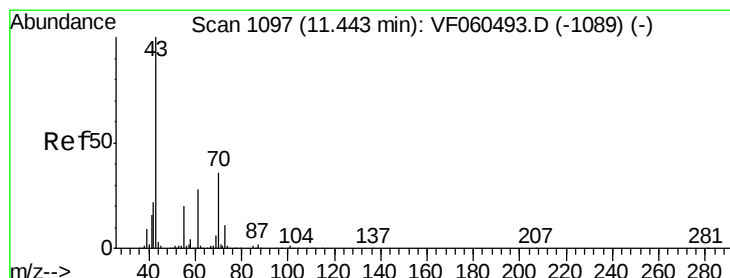
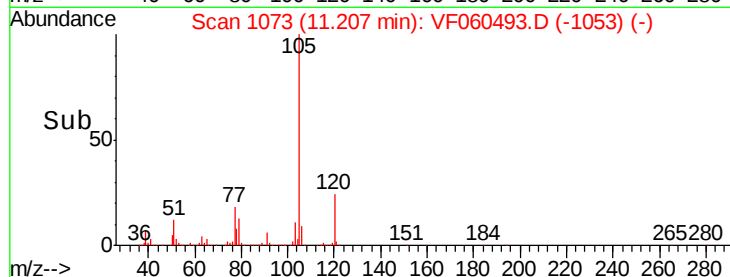
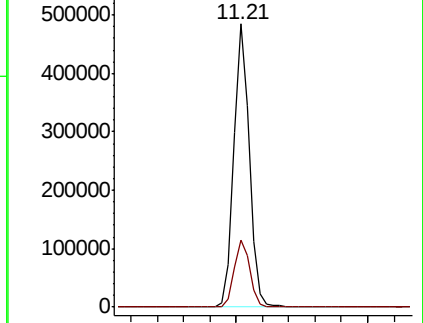
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.106 ug/l

RT: 11.44 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Tgt Ion: 43 Resp: 168469

Ion Ratio Lower Upper

43 100

70 35.9 28.7 43.1

55 20.1 16.1 24.1

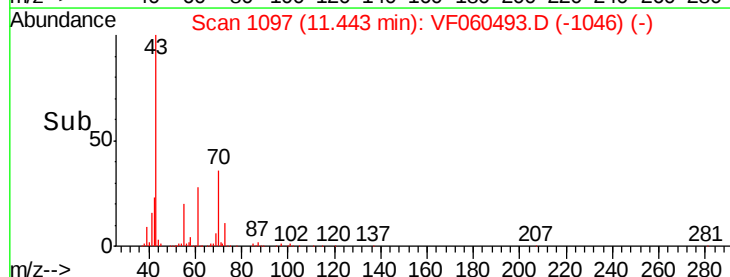
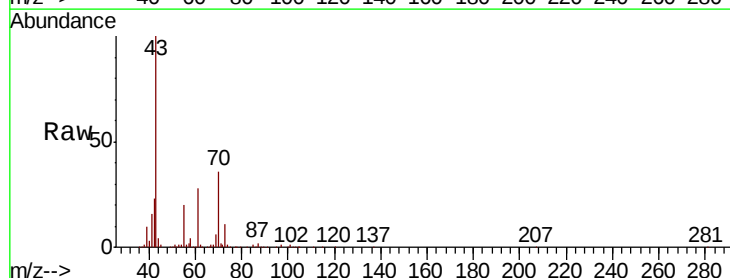
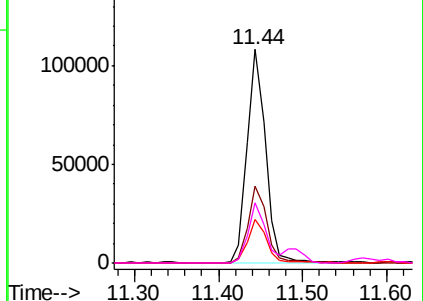
61 28.4 22.7 34.1

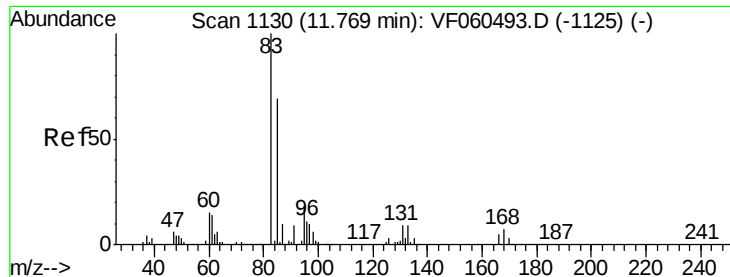
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.848 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

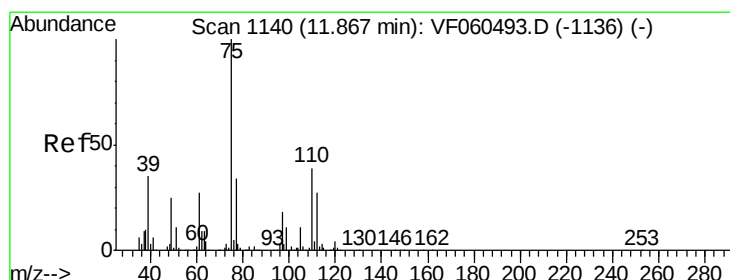
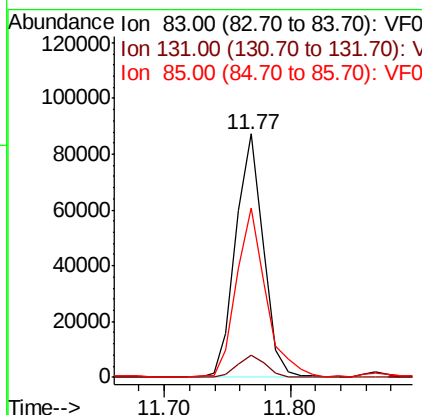
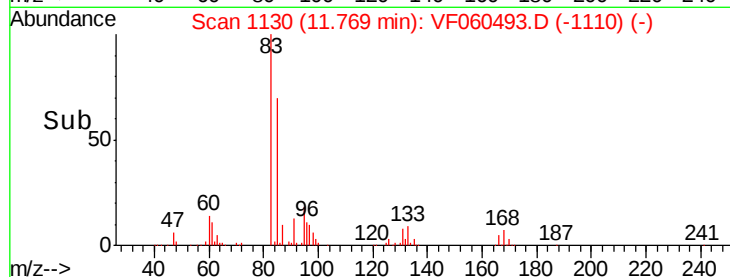
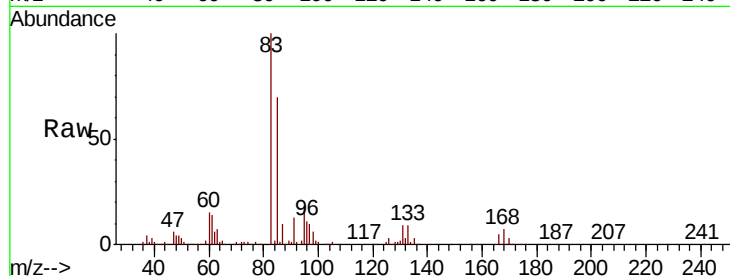
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	132257
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.4
85	69.6	34.8	104.4

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#76

1,2,3-Trichloropropane

Concen: 48.206 ug/l

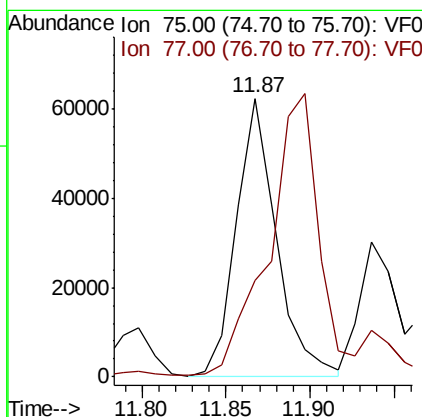
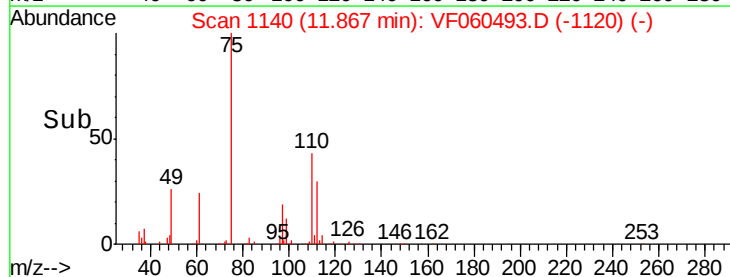
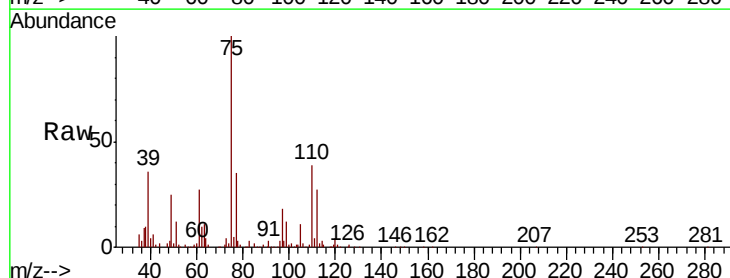
RT: 11.87 min Scan# 1140

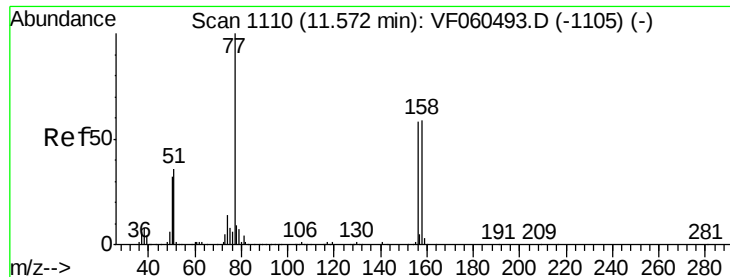
Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Tgt Ion:	75	Resp:	103345
Ion Ratio	Lower	Upper	
75	100		
77	34.8	17.4	52.2





#77

Bromobenzene

Concen: 49.209 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 156 Resp: 176779

Ion Ratio Lower Upper

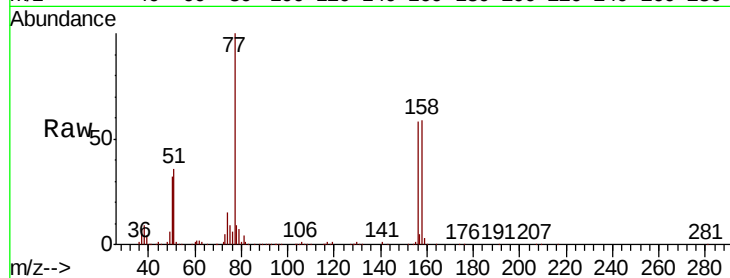
156 100

77 172.5 86.3 258.8

158 102.2 51.1 153.3

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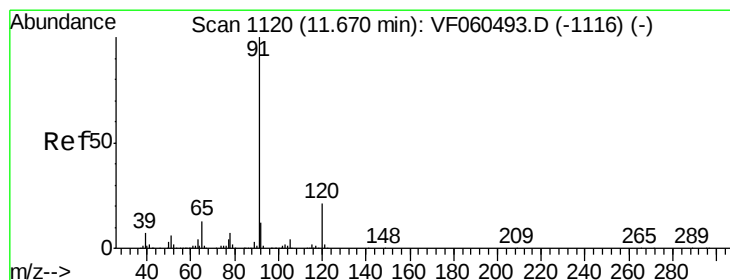
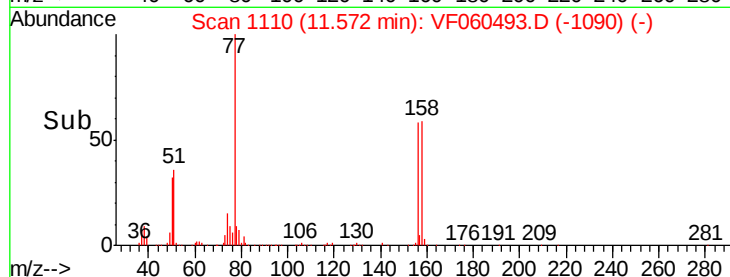
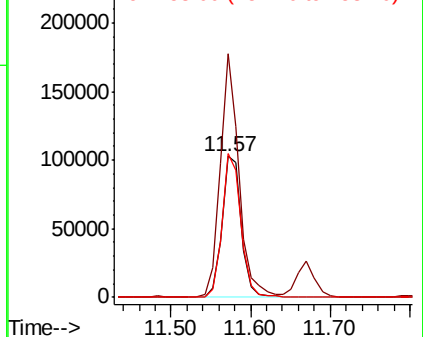
apatel
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 48.502 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF060493.D

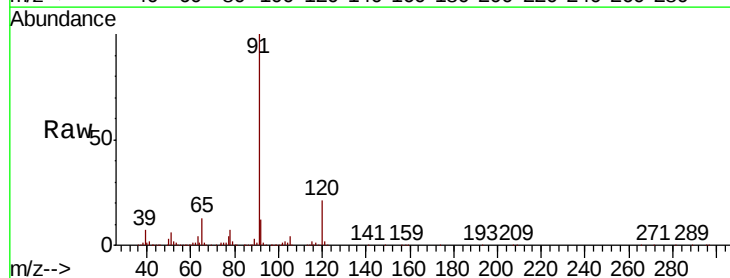
Acq: 9 Oct 2018 16:12

Tgt Ion: 91 Resp: 937658

Ion Ratio Lower Upper

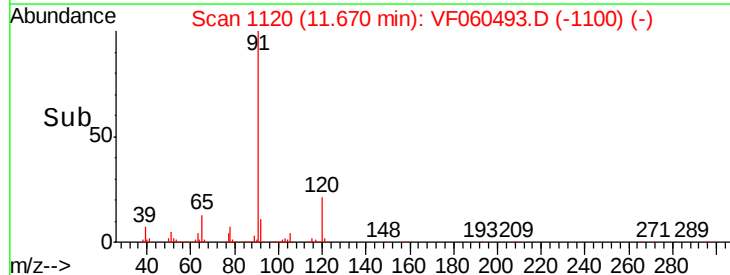
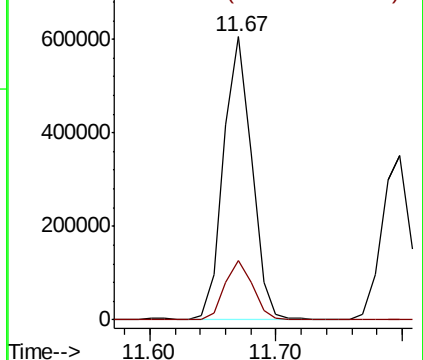
91 100

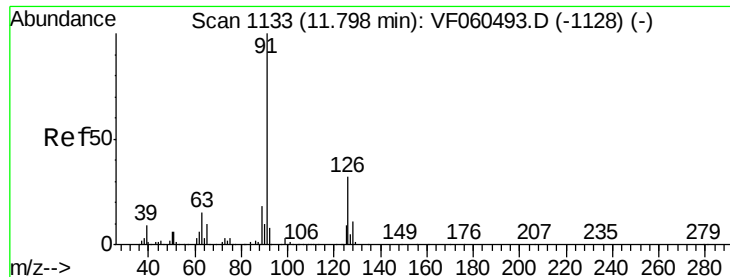
120 21.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.100 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 556552

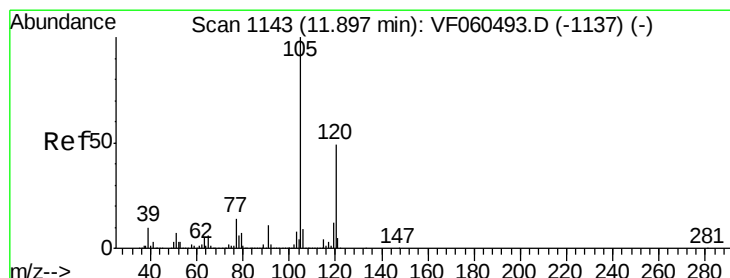
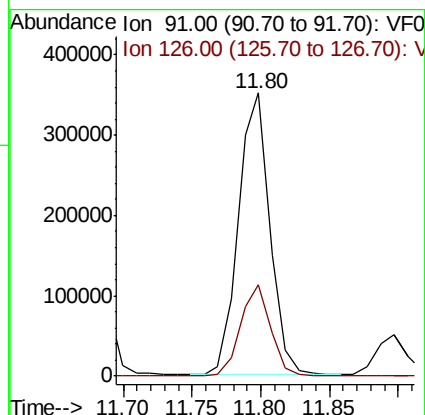
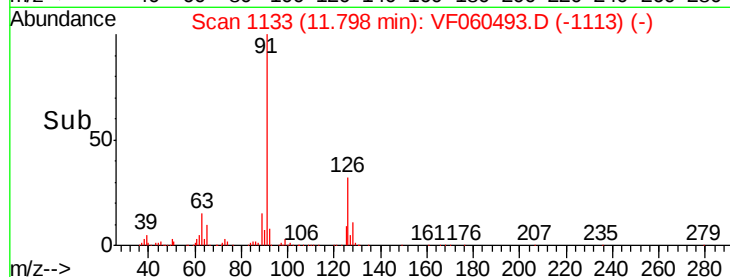
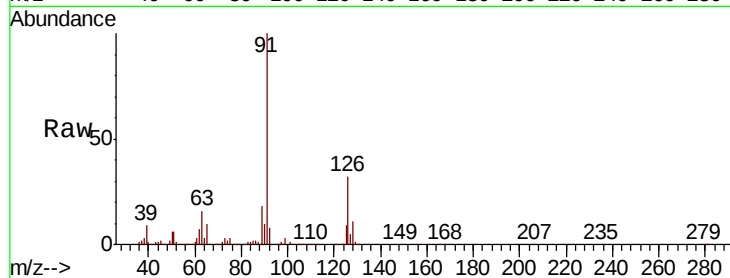
Ion Ratio Lower Upper

91 100

126 32.2 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 49.058 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060493.D

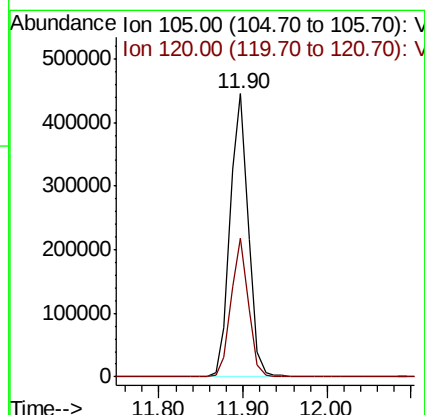
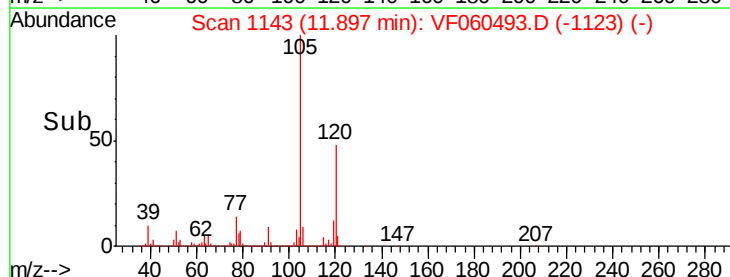
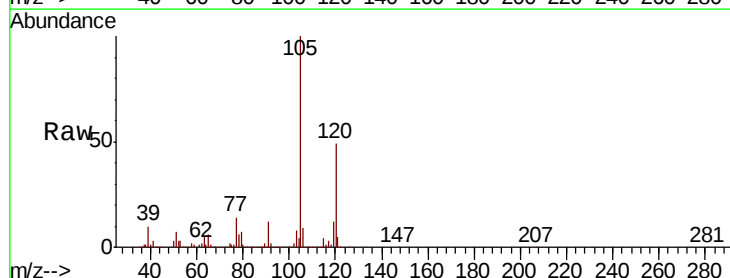
Acq: 9 Oct 2018 16:12

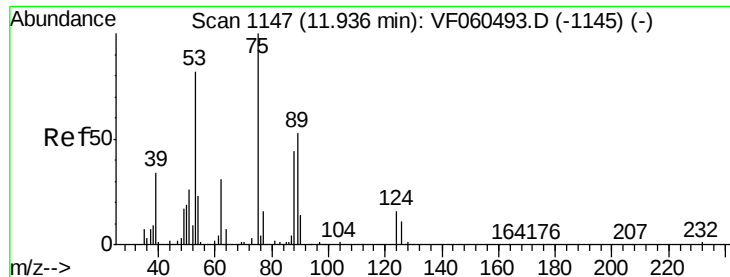
Tgt Ion: 105 Resp: 666545

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





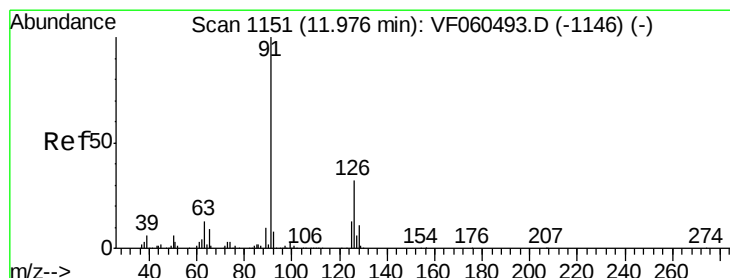
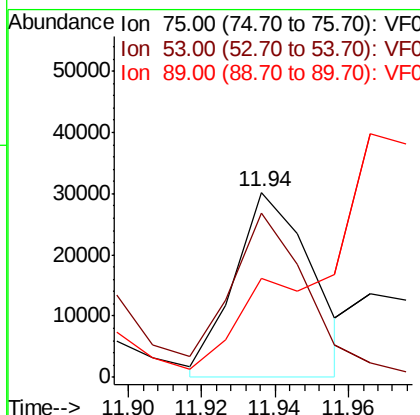
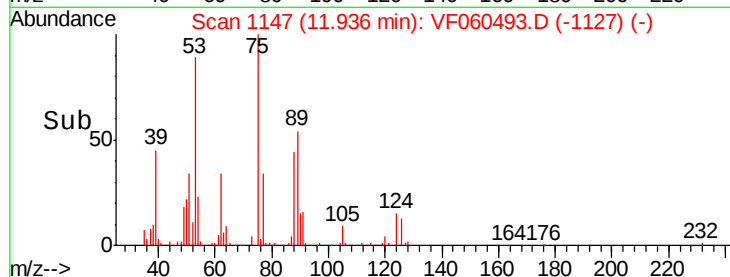
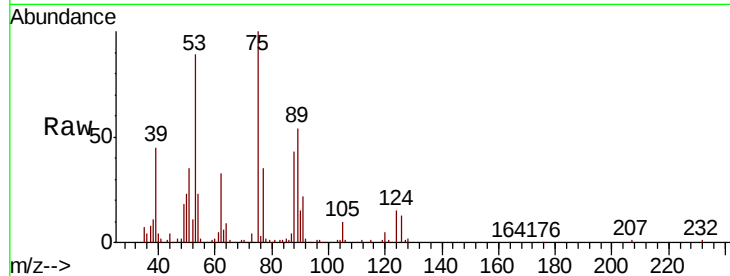
#81
trans-1,4-Dichloro-2-butene
Concen: 47.444 ug/l m
RT: 11.94 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	71.0	106.6
89	53.9	43.1	64.7

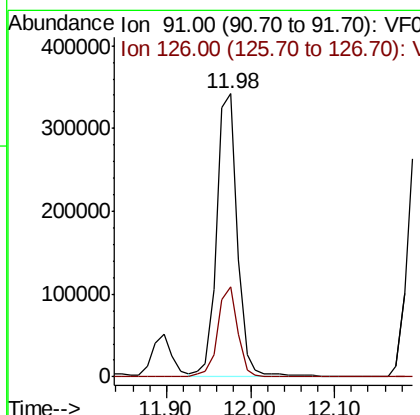
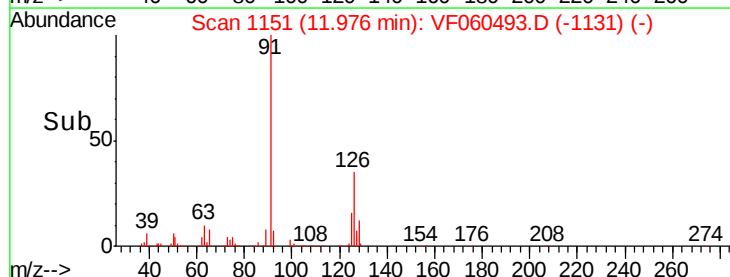
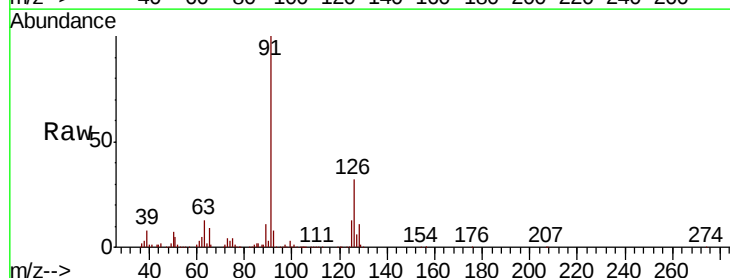
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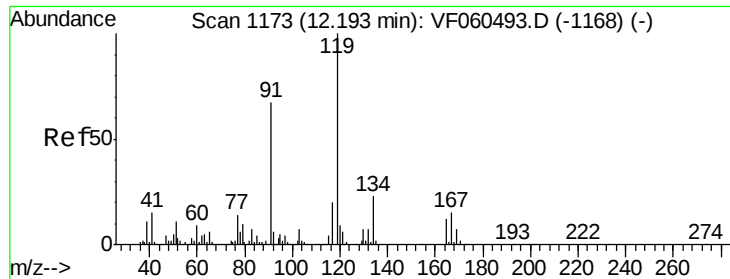
apatel
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#82
4-Chlorotoluene
Concen: 49.845 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9





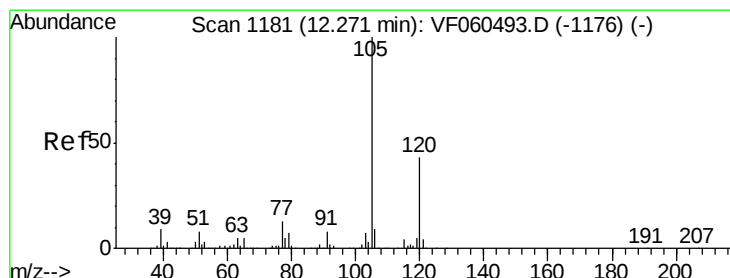
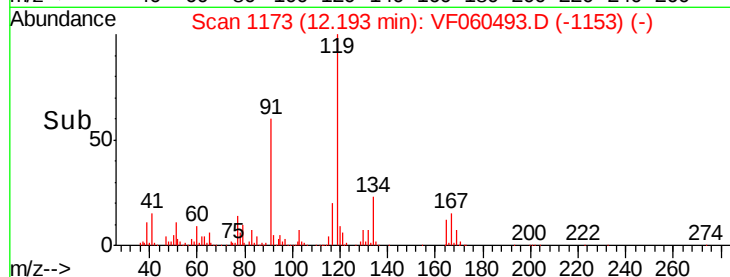
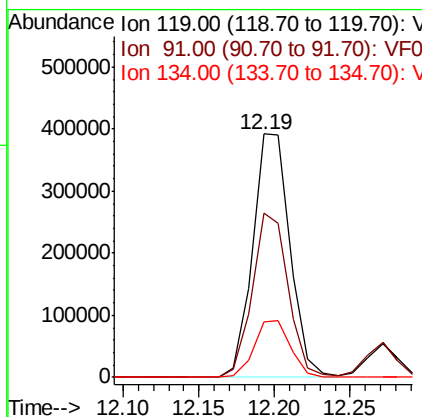
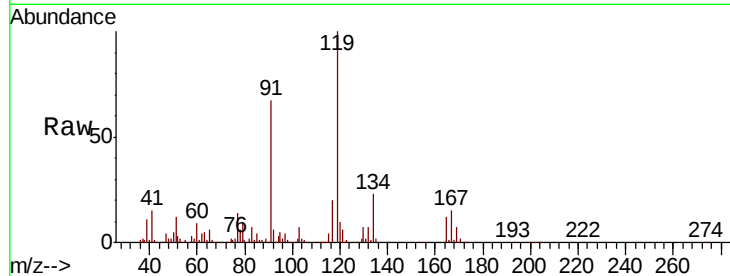
#83
 tert-Butylbenzene
 Concen: 50.440 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.6	100.8
134	23.0	11.5	34.5

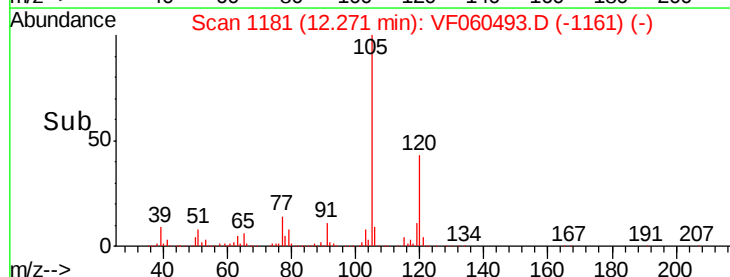
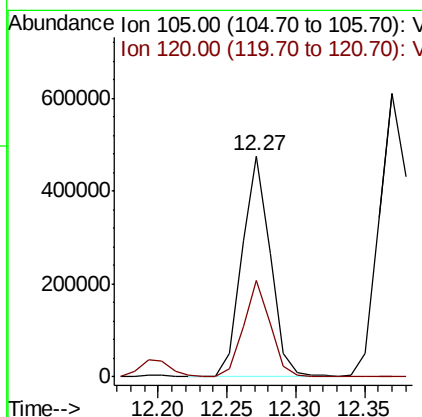
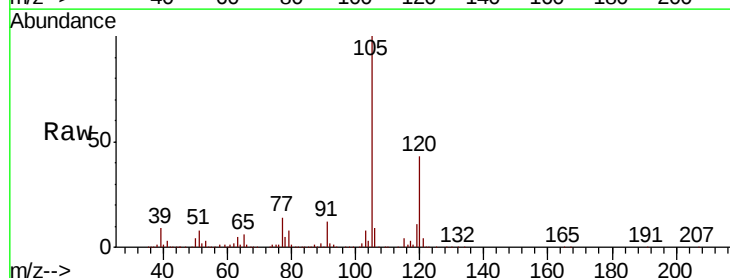
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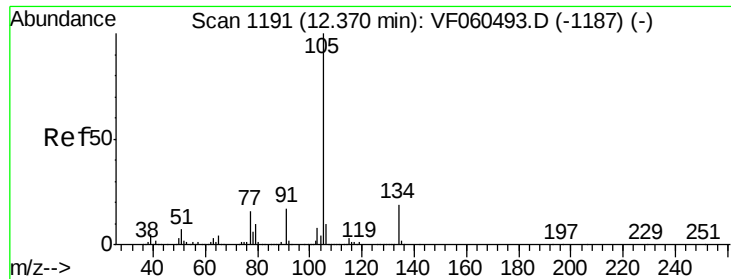
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.345 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.7	65.1





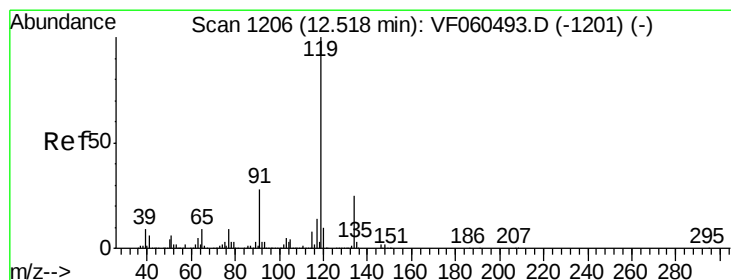
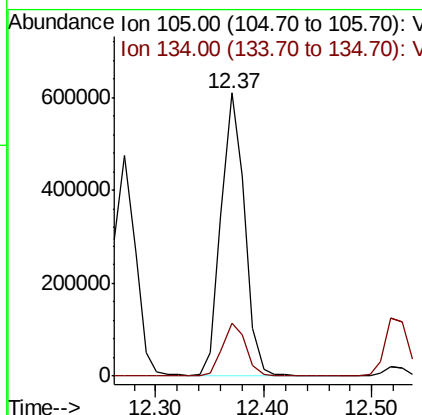
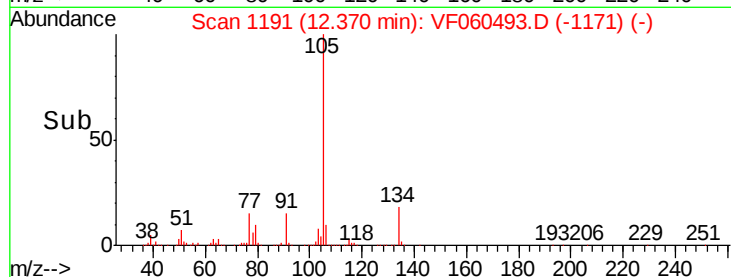
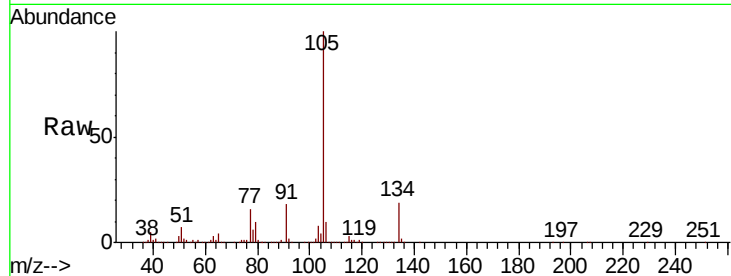
#85
 sec-Butylbenzene
 Concen: 49.793 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.3	27.9

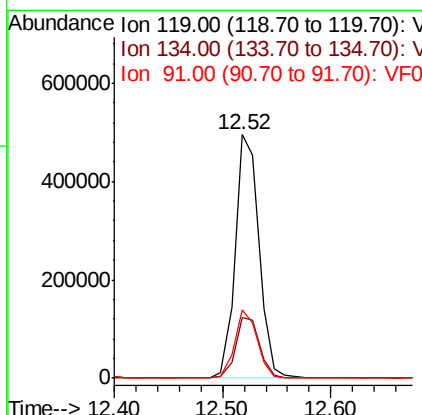
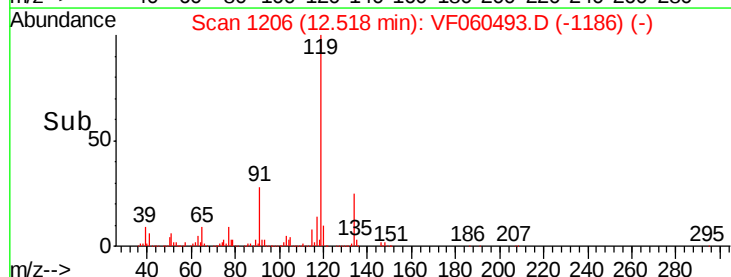
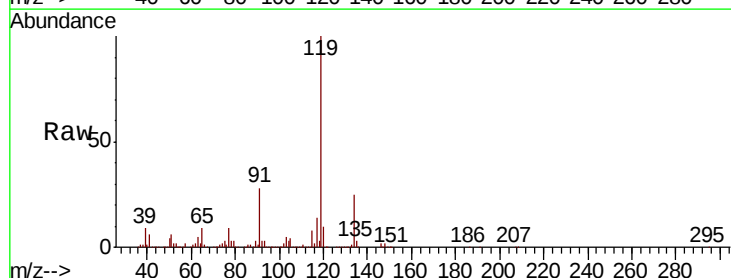
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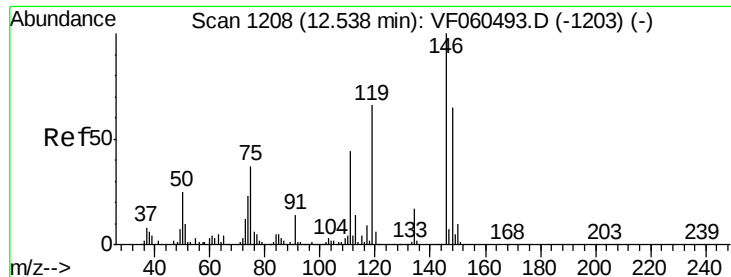
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#86
 p-Isopropyltoluene
 Concen: 49.944 ug/l
 RT: 12.52 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.6
91	28.3	14.1	42.4





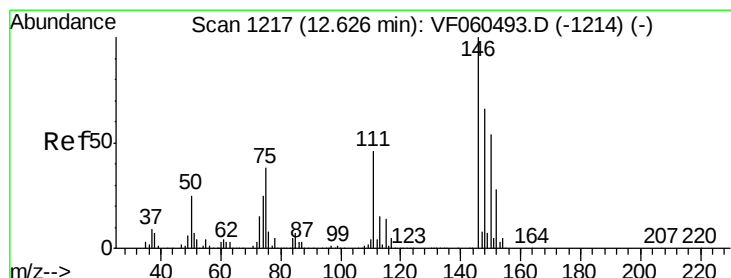
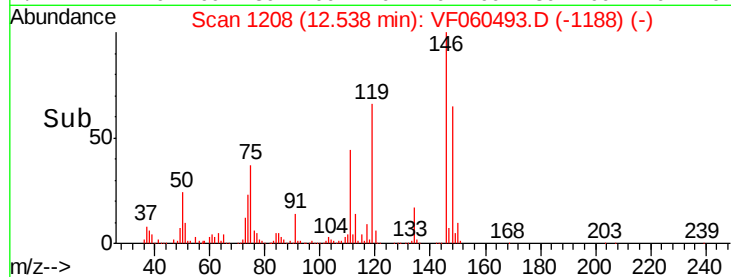
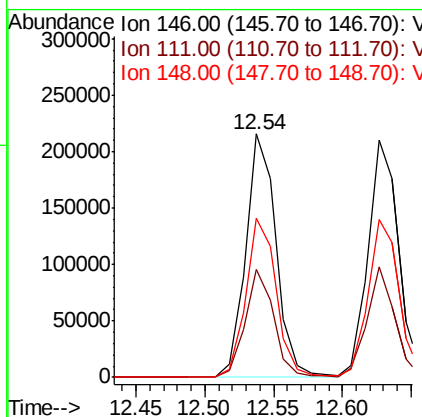
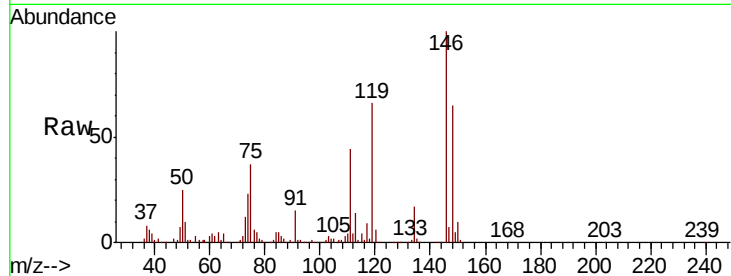
#87
 1,3-Dichlorobenzene
 Concen: 49.176 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	65.4	32.7	98.1

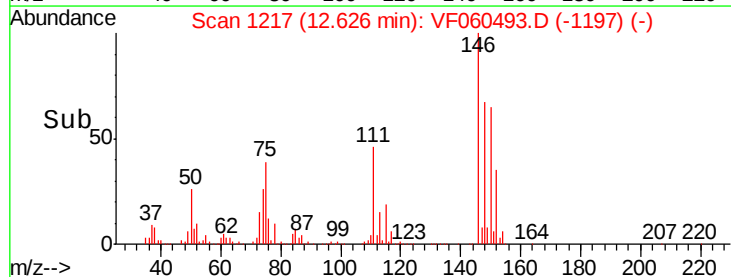
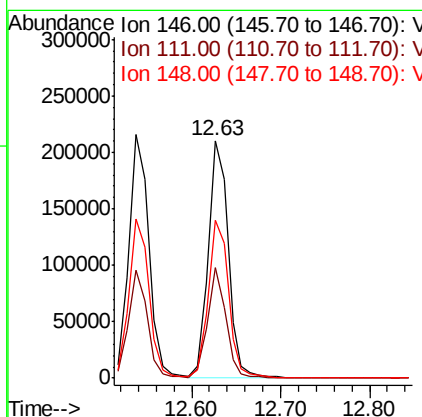
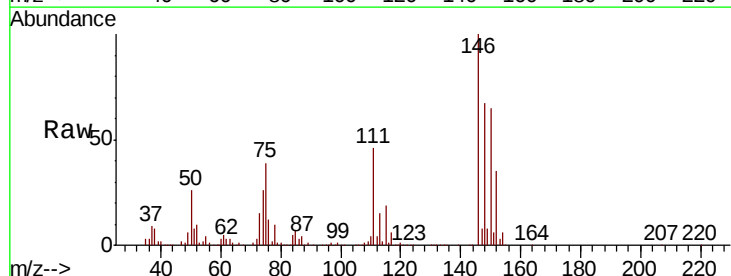
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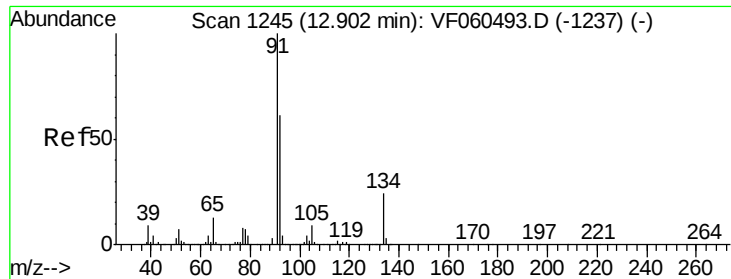
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#88
 1,4-Dichlorobenzene
 Concen: 49.185 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.2	69.6
148	66.6	33.3	99.9





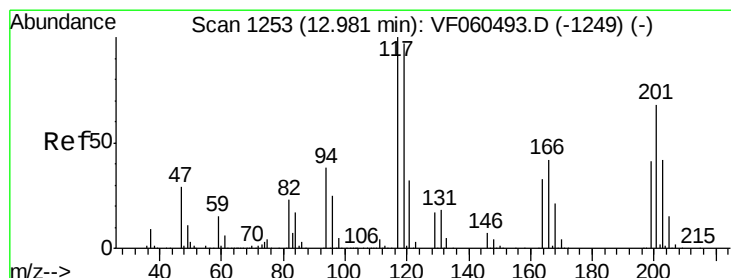
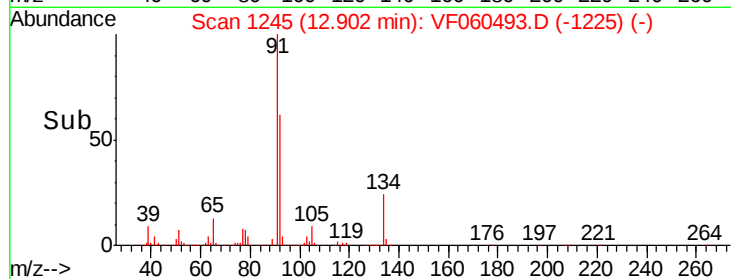
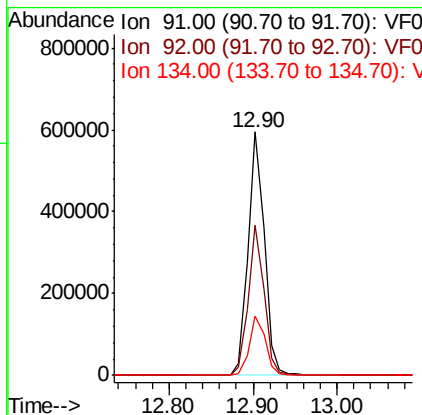
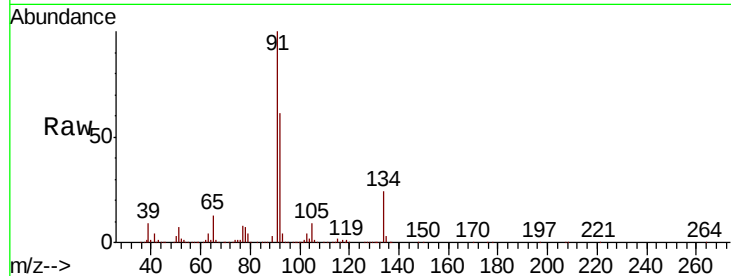
#89
n-Butylbenzene
Concen: 50.265 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.5	30.8	92.3
134	24.2	12.1	36.3

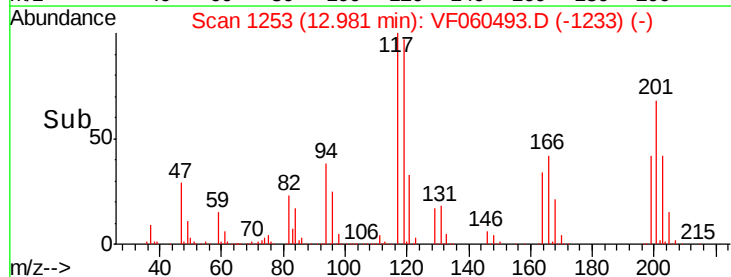
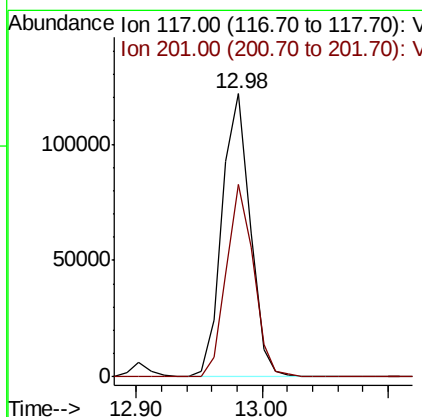
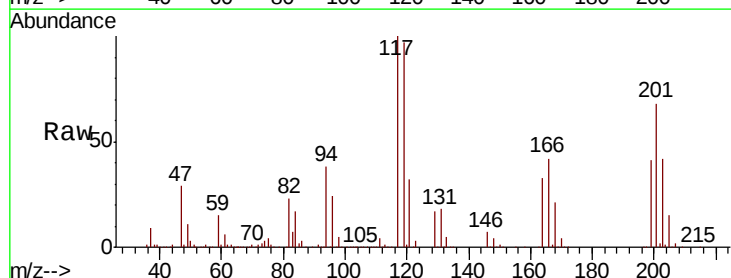
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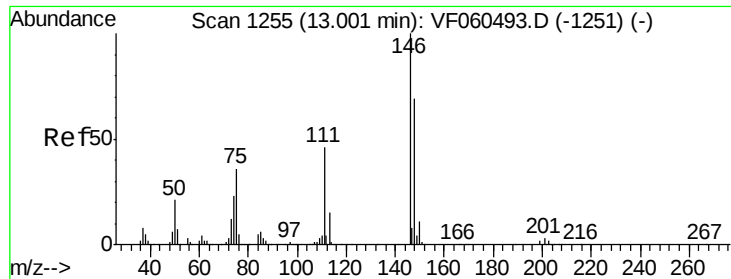
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#90
Hexachloroethane
Concen: 48.645 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VF060493.D
Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.0	102.0





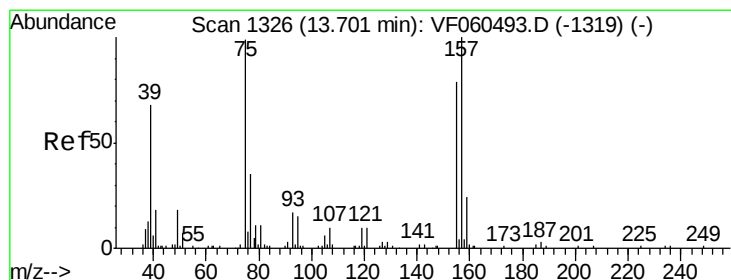
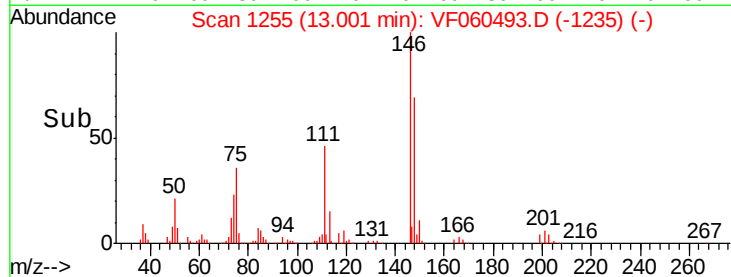
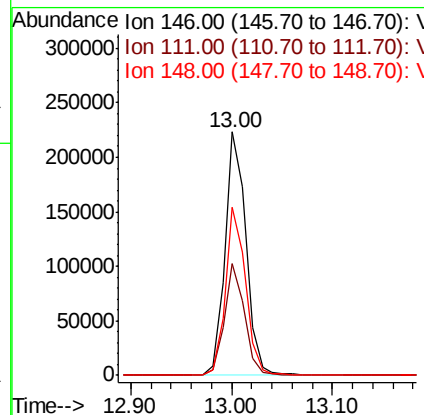
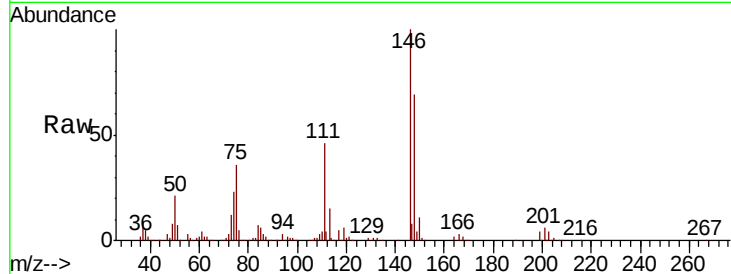
#91
 1,2-Dichlorobenzene
 Concen: 50.103 ug/l
 RT: 13.00 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.9	68.7
148	69.0	34.5	103.5

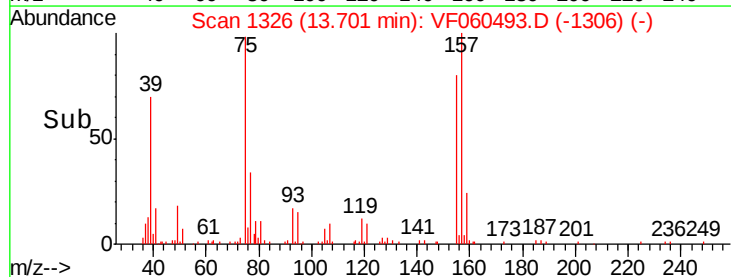
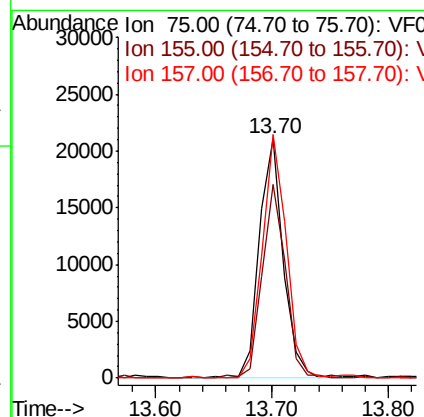
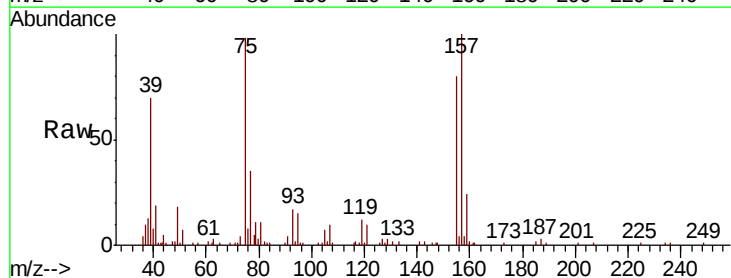
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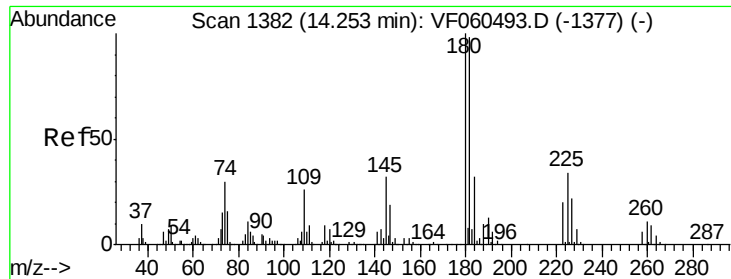
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.293 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VF060493.D
 Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	40.6	121.7
157	101.7	50.8	152.5





#93

1,2,4-Trichlorobenzene

Concen: 50.410 ug/l

RT: 14.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

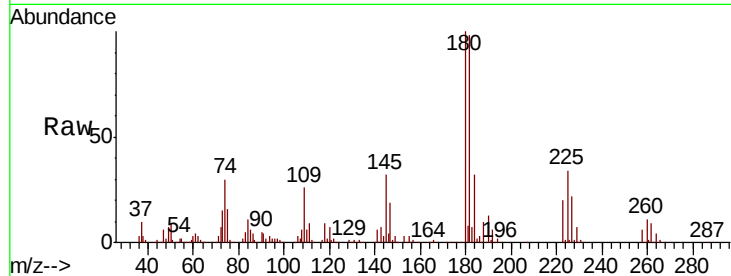
ClientSampleId :

VSTDICCC050

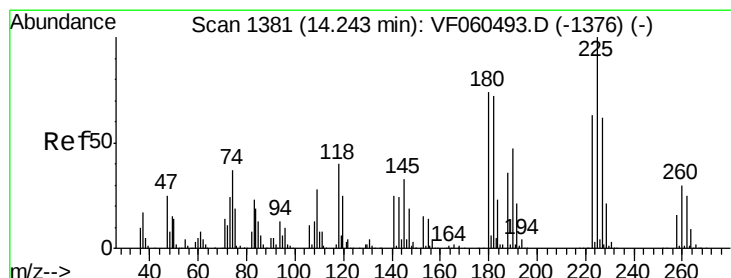
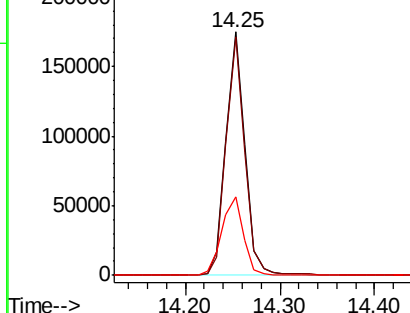
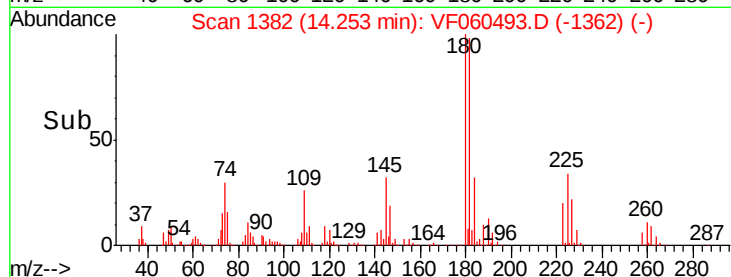
Tot Ion:	180	Resp:	244290
Ion Ratio	Lower	Upper	
180	100		
182	97.9	48.9	146.8
145	32.3	16.2	48.5

Manual Integrations
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Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 52.290 ug/l

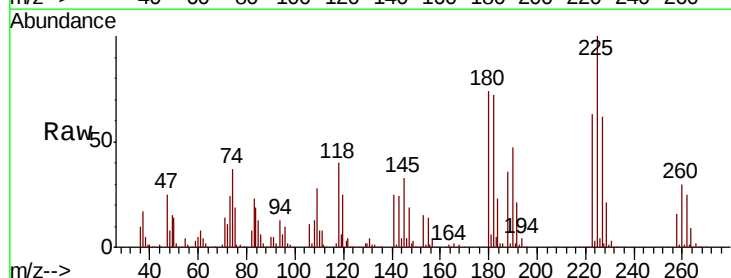
RT: 14.24 min Scan# 1381

Delta R.T. 0.00 min

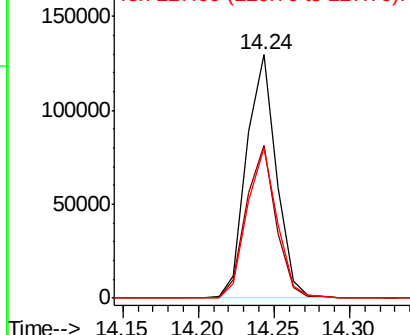
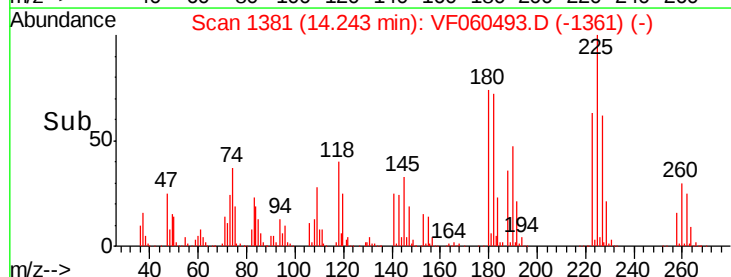
Lab File: VF060493.D

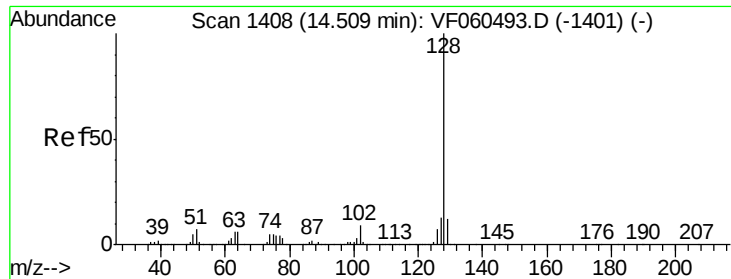
Acq: 9 Oct 2018 16:12

Tgt Ion:	225	Resp:	178201
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.4	94.2
227	61.8	30.9	92.7



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 51.393 ug/l

RT: 14.51 min Scan# 1408

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Instrument :

MSVOA_F

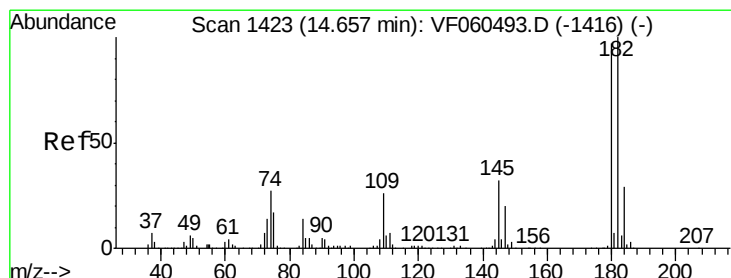
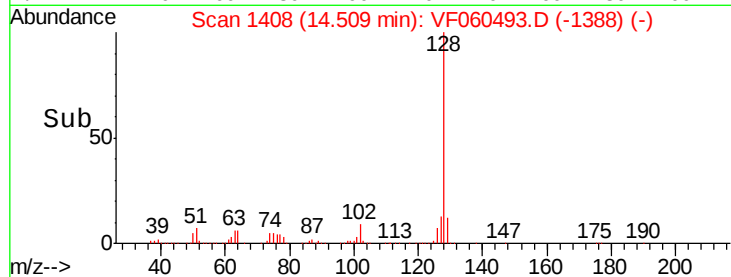
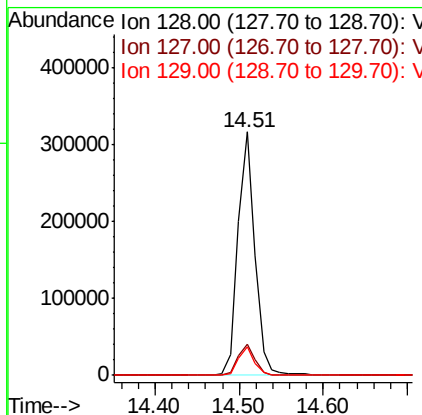
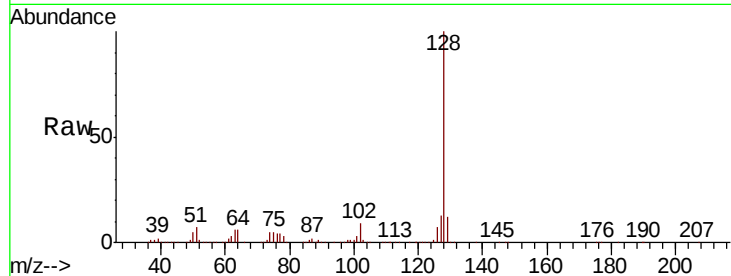
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.5	9.2	13.8

Manual Integrations
APPROVED

apatel
10/10/2018 12:33:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.001 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. 0.00 min

Lab File: VF060493.D

Acq: 9 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.6	51.3	153.9
145	32.8	16.4	49.2

