

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100818\
 Data File : VF060478.D
 Acq On : 8 Oct 2018 10:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/9/2018 8:53:20 AM

Quant Time: Oct 09 01:39:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	278733	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.73	114	476383	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	424970	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	217630	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	198686	45.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.10%	
35) Dibromofluoromethane	4.25	113	207177	46.29	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	92.58%	
50) Toluene-d8	7.67	98	543934	49.35	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.48	95	238691	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	261432	42.831	ug/l	98
3) Chloromethane	1.12	50	171795	45.389	ug/l	98
4) Vinyl Chloride	1.17	62	178672	45.379	ug/l	98
5) Bromomethane	1.36	94	137224	44.995	ug/l	93
6) Chloroethane	1.43	64	96022	48.870	ug/l	95
7) Trichlorofluoromethane	1.53	101	403753	44.198	ug/l	94
8) Diethyl Ether	1.68	74	60609	48.413	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.89	101	198658	45.400	ug/l	98
10) Methyl Iodide	1.96	142	320419m	48.017	ug/l	
11) Tert butyl alcohol	2.66	59	57806	219.114	ug/l #	87
12) 1,1-Dichloroethene	1.84	96	168912	49.959	ug/l	90
13) Acrolein	2.07	56	40305	189.971	ug/l	92
14) Allyl chloride	2.17	41	267551	49.386	ug/l	91
15) Acrylonitrile	3.04	53	110784	245.071	ug/l	86
16) Acetone	2.32	43	254983	287.367	ug/l #	93
17) Carbon Disulfide	1.88	76	473562	46.256	ug/l	98
18) Methyl Acetate	2.42	43	87022	53.202	ug/l	94
19) Methyl tert-butyl Ether	2.51	73	402293	48.852	ug/l	97
20) Methylene Chloride	2.26	84	156317m	48.993	ug/l	
21) trans-1,2-Dichloroethene	2.38	96	169474	50.189	ug/l	91
22) Diisopropyl ether	2.90	45	505562	51.413	ug/l #	91
23) Vinyl Acetate	3.29	43	950761	243.400	ug/l	97
24) 1,1-Dichloroethane	2.97	63	332809	50.048	ug/l	98
25) 2-Butanone	4.46	43	281760	249.490	ug/l	94
26) 2,2-Dichloropropane	3.72	77	177381	47.097	ug/l	98
27) cis-1,2-Dichloroethene	3.60	96	190735	50.520	ug/l	85
28) Bromochloromethane	3.84	49	119973	48.953	ug/l	99
29) Tetrahydrofuran	4.21	42	109307	257.066	ug/l	99
30) Chloroform	3.99	83	397589	48.455	ug/l	93
31) Cyclohexane	3.81	56	246044m	51.527	ug/l	
32) 1,1,1-Trichloroethane	4.23	97	316152	46.302	ug/l	94
36) 1,1-Dichloropropene	4.41	75	288161	49.062	ug/l	98
37) Ethyl Acetate	4.25	43	103976	46.229	ug/l	84
38) Carbon Tetrachloride	4.13	117	281449	39.367	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.58	83	286025	49.674	ug/l	97
40) Benzene	4.77	78	586353	50.288	ug/l	97
41) Methacrylonitrile	4.88	41	60551	50.774	ug/l #	85
42) 1,2-Dichloroethane	5.08	62	252415	45.377	ug/l	99
43) Isopropyl Acetate	7.08	43	130250	47.920	ug/l	96
44) Trichloroethene	5.63	130	183429	49.029	ug/l	98
45) 1,2-Dichloropropane	6.36	63	154322	49.699	ug/l	94
46) Dibromomethane	6.21	93	117223	46.954	ug/l	97
47) Bromodichloromethane	6.50	83	295206	47.744	ug/l	99
48) Methyl methacrylate	6.83	41	87826	45.013	ug/l	90
49) 1,4-Dioxane	6.83	88	19344	1149.856	ug/l #	89
51) 4-Methyl-2-Pentanone	8.37	43	468662	242.222	ug/l	99
52) Toluene	7.74	92	400961	50.629	ug/l	96
53) t-1,3-Dichloropropene	8.39	75	230403	47.548	ug/l	98
54) cis-1,3-Dichloropropene	7.42	75	282794	49.935	ug/l	96
55) 1,1,2-Trichloroethane	8.60	97	115319	45.938	ug/l	96
56) Ethyl methacrylate	8.72	69	143185	50.196	ug/l	95
57) 1,3-Dichloropropane	8.96	76	193081	45.465	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.74	63	65385	224.404	ug/l	100
59) 2-Hexanone	9.59	43	359833	253.550	ug/l	99
60) Dibromochloromethane	8.82	129	185124	48.979	ug/l	97
61) 1,2-Dibromoethane	9.10	107	132377	48.193	ug/l	98
64) Tetrachloroethene	8.27	164	172787	51.147	ug/l	94
65) Chlorobenzene	9.91	112	453722	51.975	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.03	131	190432	49.960	ug/l	99
67) Ethyl Benzene	10.00	91	808082	48.684	ug/l	99
68) m/p-Xylenes	10.23	106	563199	98.703	ug/l	94
69) o-Xylene	10.79	106	325155	52.279	ug/l	97
70) Styrene	10.87	104	435864	49.268	ug/l	97
71) Bromoform	10.85	173	97889	48.236	ug/l	99
73) Isopropylbenzene	11.20	105	929187	54.226	ug/l	99
74) N-amyl acetate	11.43	43	201536	51.246	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	163104	52.209	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	115003	50.003	ug/l	95
77) Bromobenzene	11.57	156	199408	52.059	ug/l	89
78) n-propylbenzene	11.66	91	1064064	51.222	ug/l	98
79) 2-Chlorotoluene	11.79	91	647593	53.293	ug/l	95
80) 1,3,5-Trimethylbenzene	11.89	105	765710	52.595	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.93	75	49609m	48.659	ug/l	
82) 4-Chlorotoluene	11.97	91	644142	51.808	ug/l	98
83) tert-Butylbenzene	12.19	119	783375	54.555	ug/l	95
84) 1,2,4-Trimethylbenzene	12.26	105	765930	53.049	ug/l	100
85) sec-Butylbenzene	12.36	105	1012088	51.062	ug/l	99
86) p-Isopropyltoluene	12.52	119	867461	53.570	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	364546	50.576	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	363993	51.213	ug/l	97
89) n-Butylbenzene	12.89	91	885137	51.657	ug/l	97
90) Hexachloroethane	12.97	117	229063	54.732	ug/l	83
91) 1,2-Dichlorobenzene	13.00	146	363275	52.601	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	32233	53.221	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	268466	52.008	ug/l	96
94) Hexachlorobutadiene	14.23	225	191350	53.113	ug/l	97
95) Naphthalene	14.50	128	522453	56.608	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	268631	55.516	ug/l	99

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

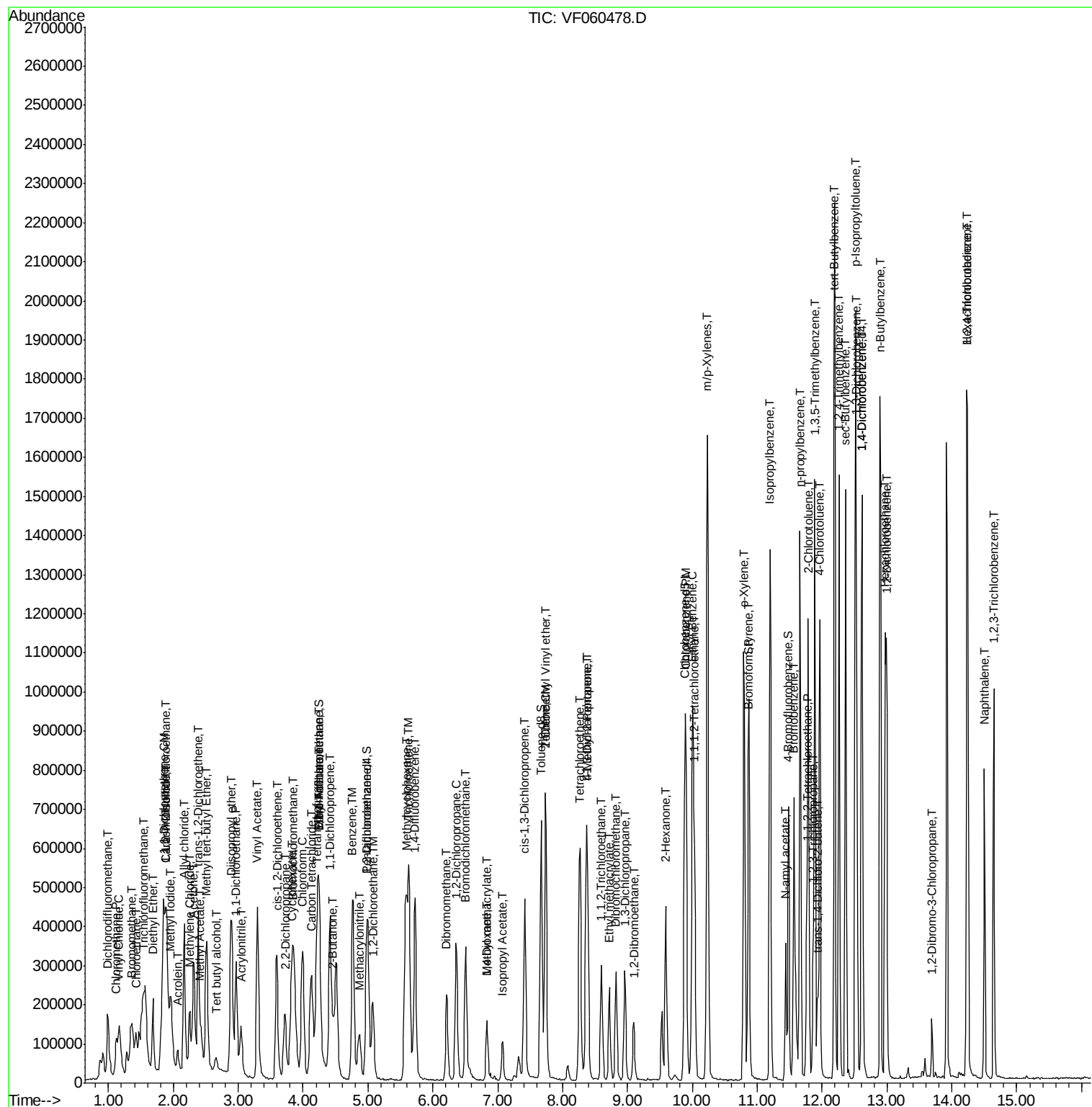
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF100818\
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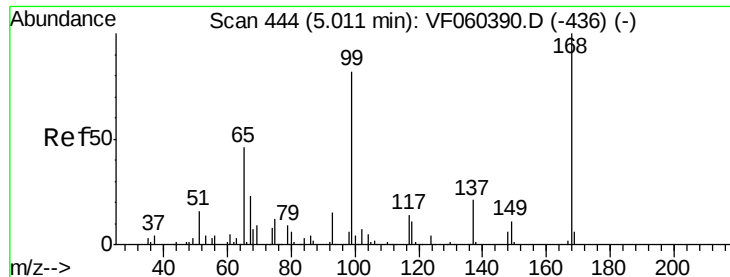
Instrument :
MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 278733

Ion Ratio Lower Upper

168 100

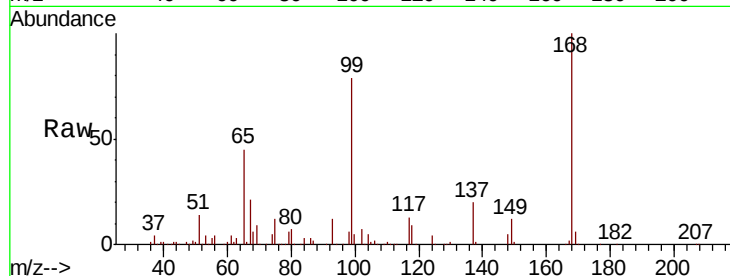
99 79.0 65.3 97.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.00

100000

80000

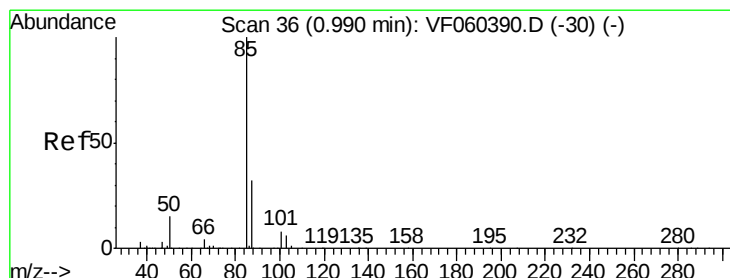
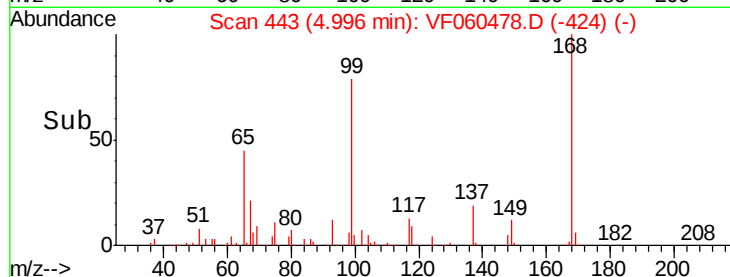
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 42.831 ug/l

RT: 0.98 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060478.D

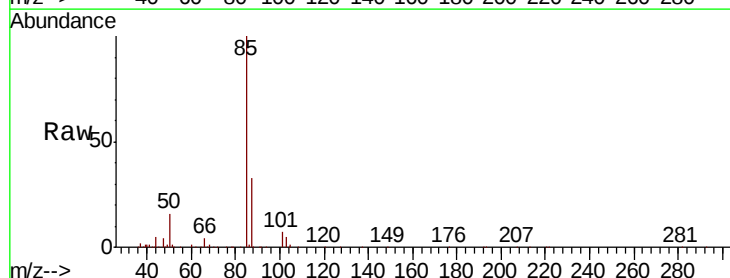
Acq: 8 Oct 2018 10:45

Tgt Ion: 85 Resp: 261432

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

100000

80000

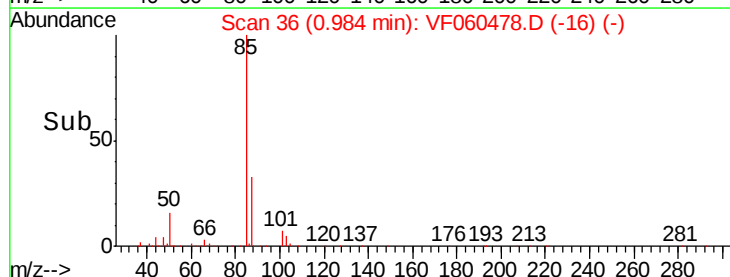
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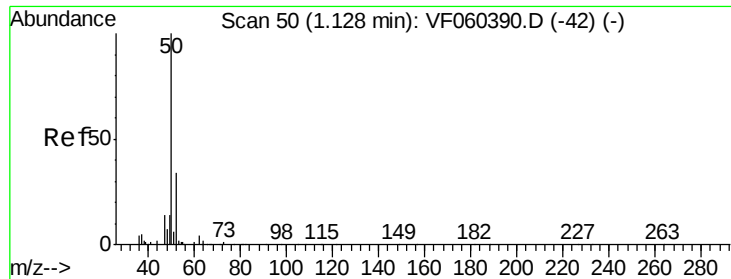
40000

20000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 45.389 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

ClientSampled :

VSTDCCC050

Tgt Ion: 50 Resp: 171795

Ion Ratio Lower Upper

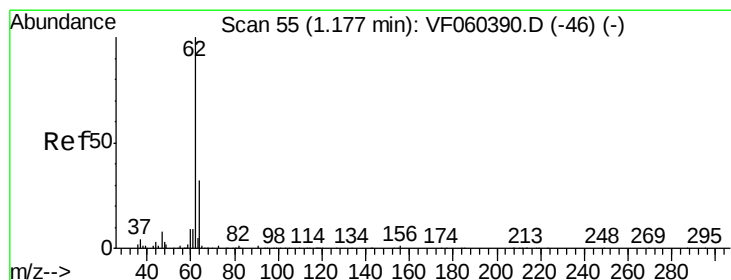
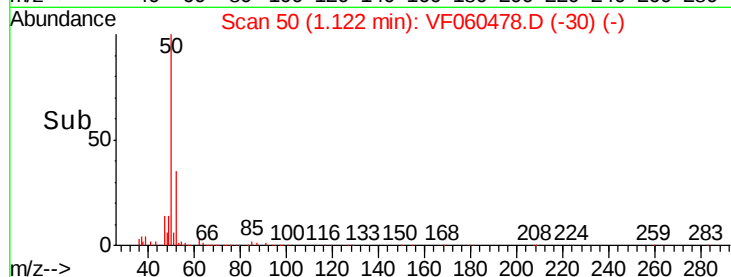
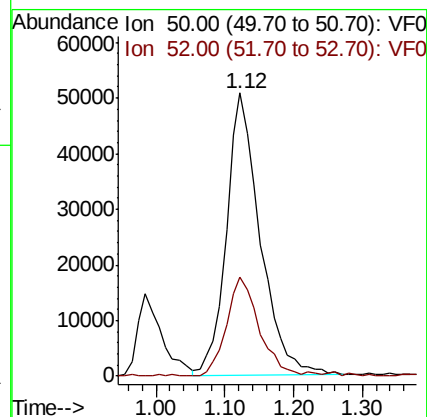
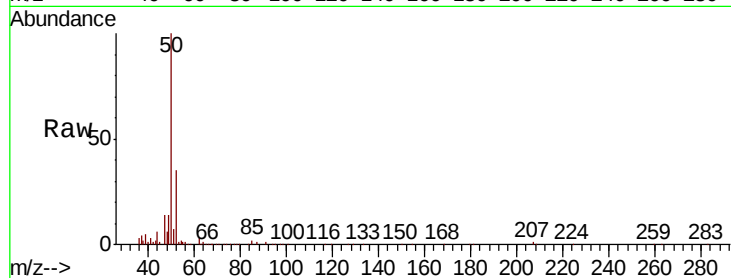
50 100

52 34.9 26.9 40.3

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#4

Vinyl Chloride

Concen: 45.379 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060478.D

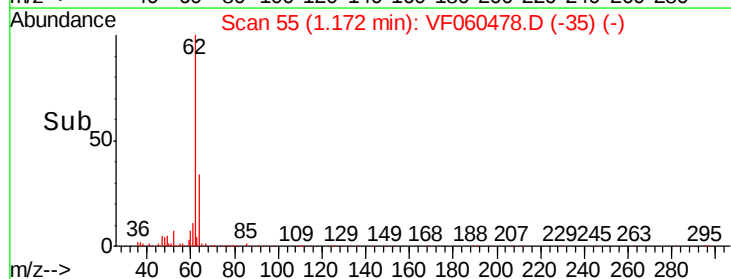
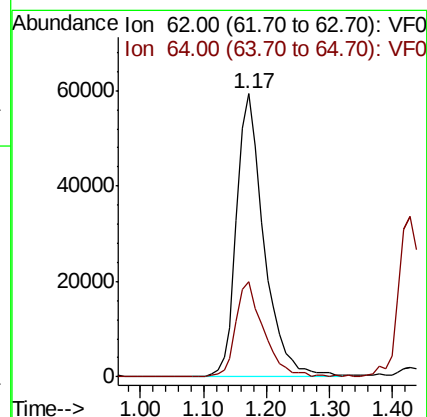
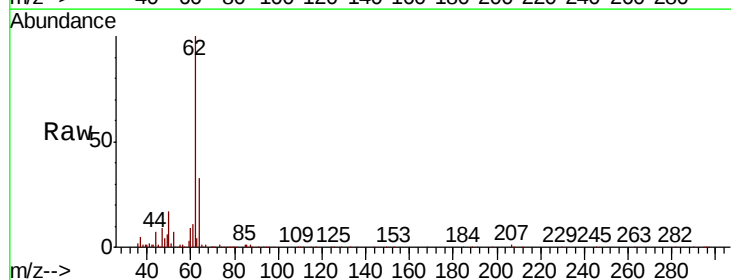
Acq: 8 Oct 2018 10:45

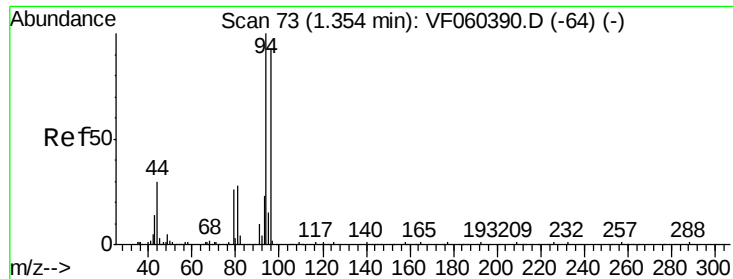
Tgt Ion: 62 Resp: 178672

Ion Ratio Lower Upper

62 100

64 33.5 25.8 38.6





#5

Bromomethane

Concen: 44.995 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

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ClientSampleId :

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Tgt Ion: 94 Resp: 137224

Ion Ratio Lower Upper

94 100

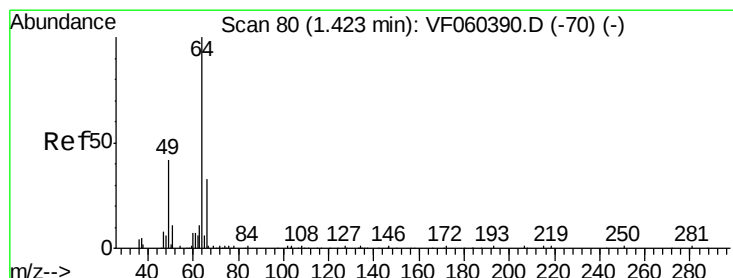
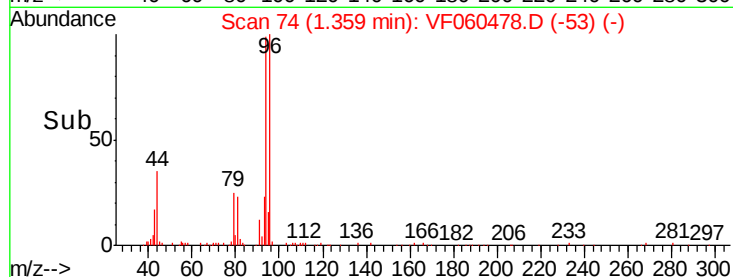
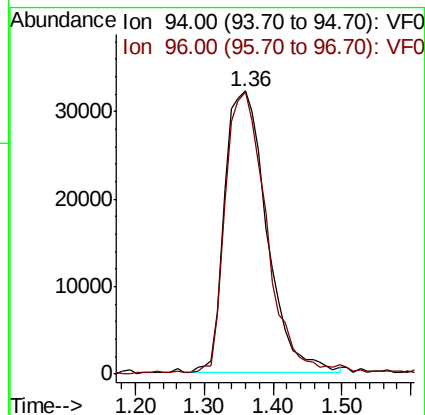
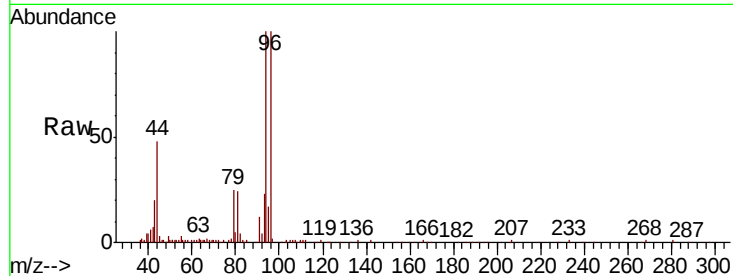
96 99.7 74.3 111.5

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#6

Chloroethane

Concen: 48.870 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060478.D

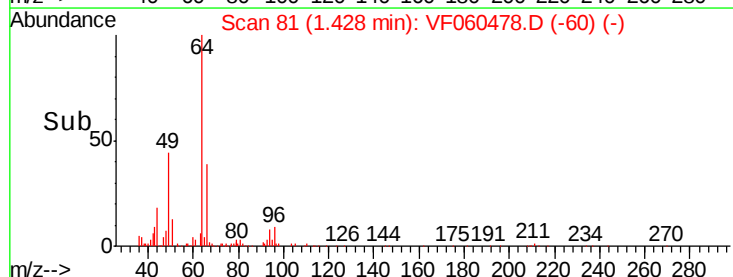
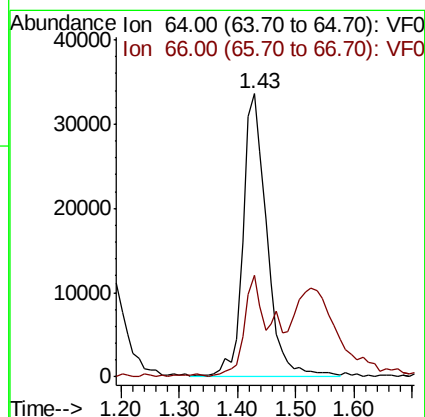
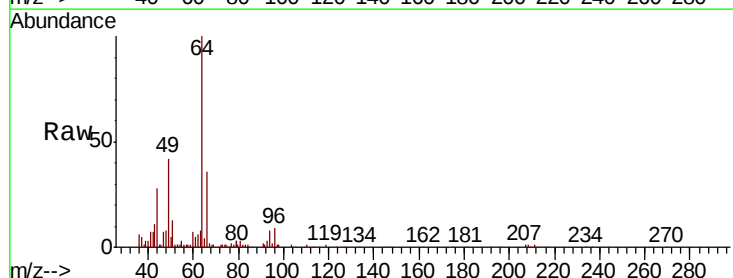
Acq: 8 Oct 2018 10:45

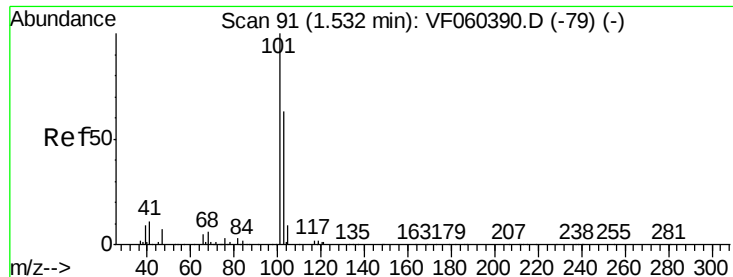
Tgt Ion: 64 Resp: 96022

Ion Ratio Lower Upper

64 100

66 35.8 26.3 39.5





#7

Trichlorofluoromethane

Concen: 44.198 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

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Acq: 8 Oct 2018 10:45

Instrument :

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ClientSampleId :

VSTDCCC050

Tgt Ion: 101 Resp: 403753

Ion Ratio Lower Upper

101 100

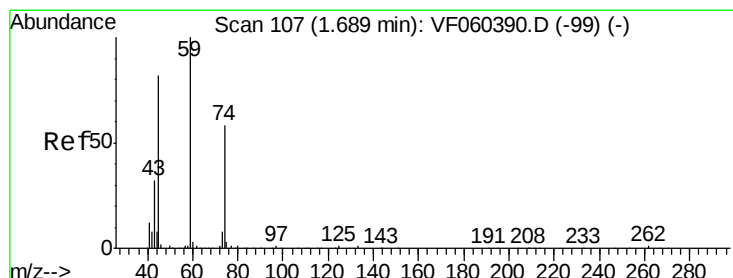
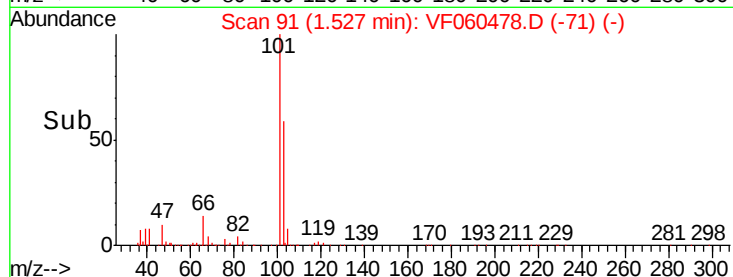
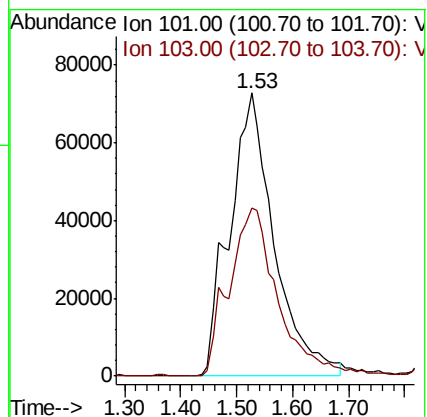
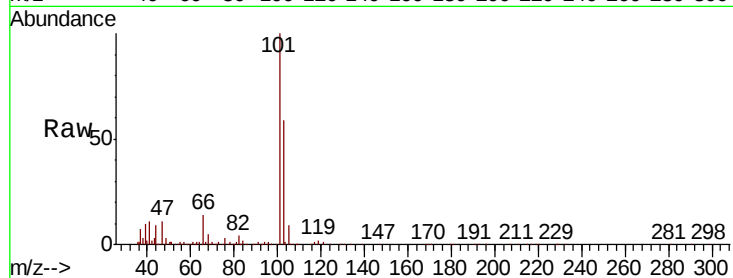
103 59.4 51.0 76.4

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#8

Diethyl Ether

Concen: 48.413 ug/l

RT: 1.68 min Scan# 107

Delta R.T. -0.01 min

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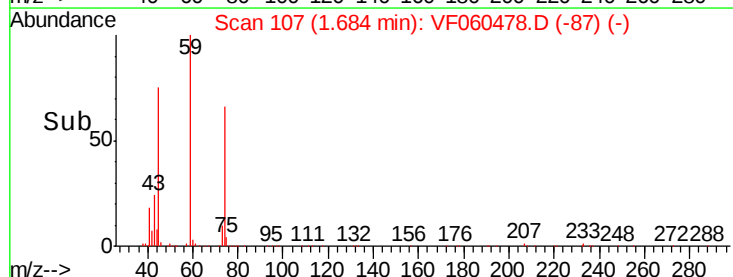
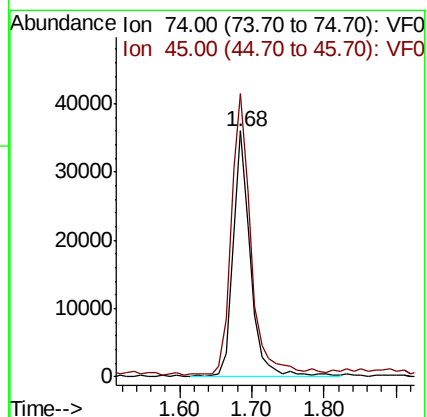
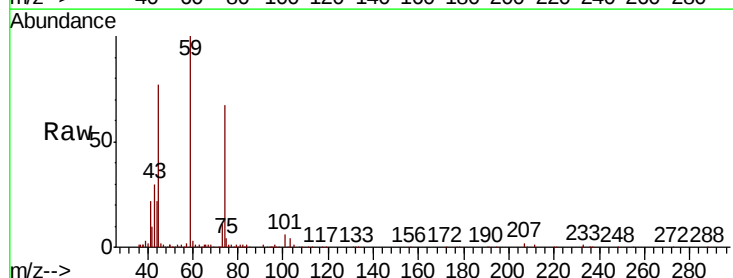
Acq: 8 Oct 2018 10:45

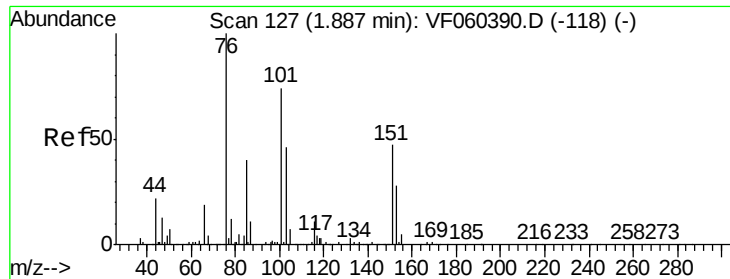
Tgt Ion: 74 Resp: 60609

Ion Ratio Lower Upper

74 100

45 115.1 71.3 213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.400 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

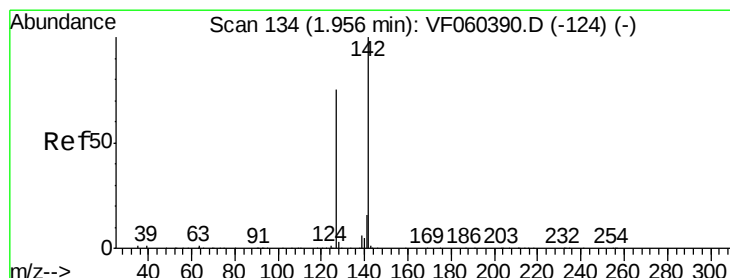
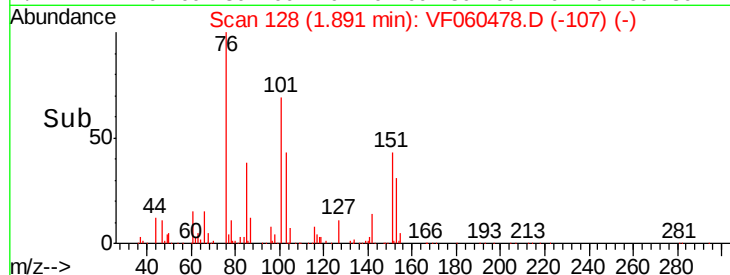
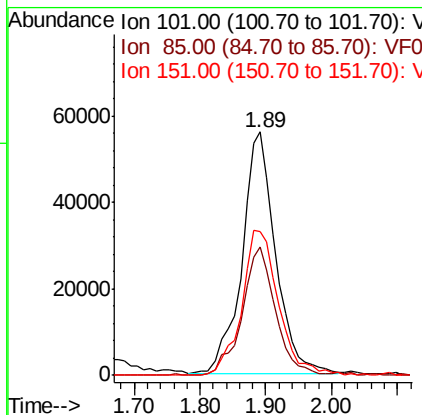
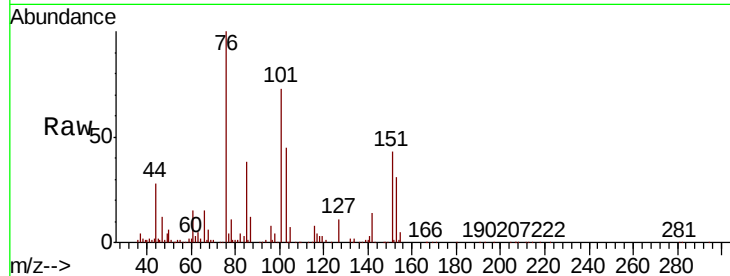
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	198658
Ion Ratio	Lower	Upper	
101	100		
85	52.7	42.5	63.7
151	59.2	49.8	74.8

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#10

Methyl Iodide

Concen: 48.017 ug/l m

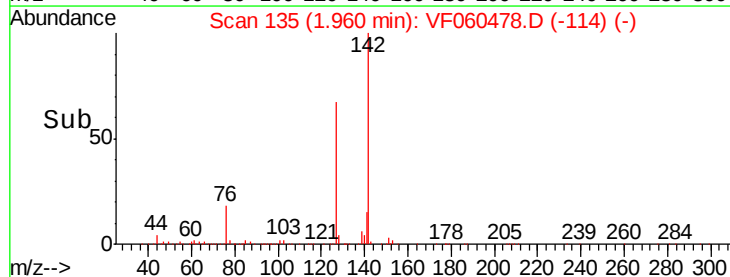
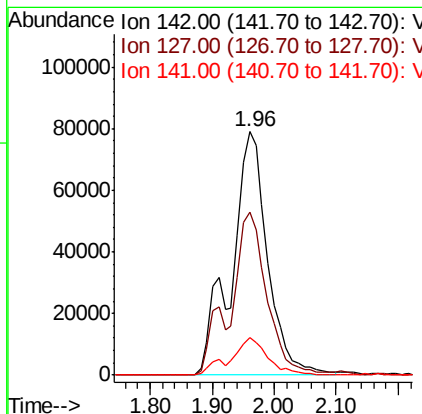
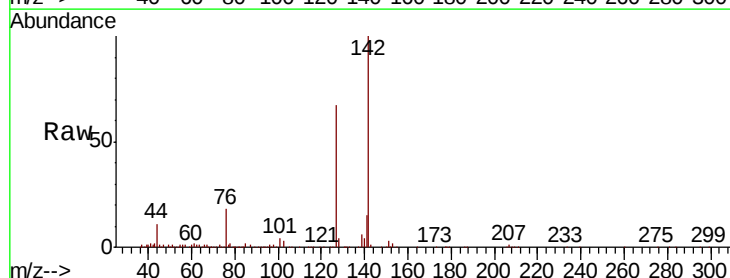
RT: 1.96 min Scan# 135

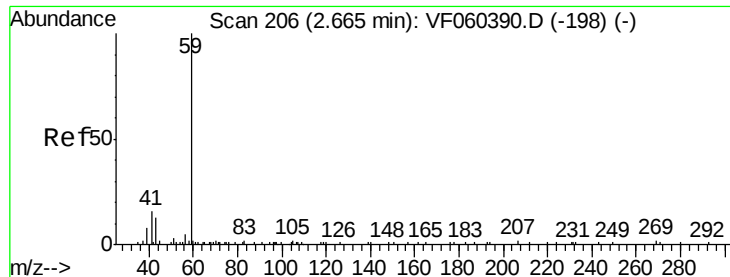
Delta R.T. 0.00 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Tgt Ion:	142	Resp:	320419
Ion Ratio	Lower	Upper	
142	100		
127	67.0	60.2	90.2
141	15.2	13.1	19.7





#11

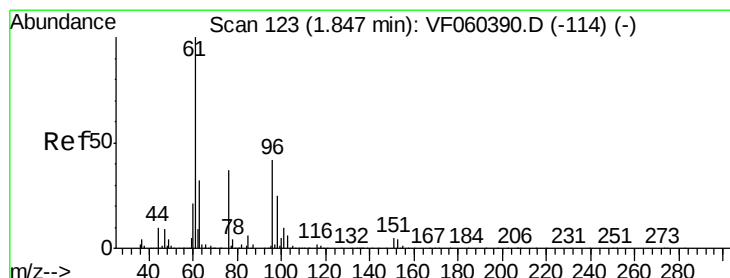
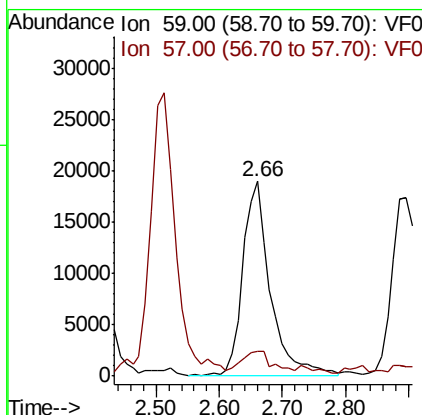
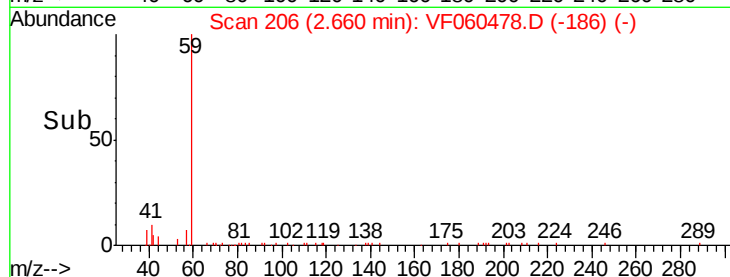
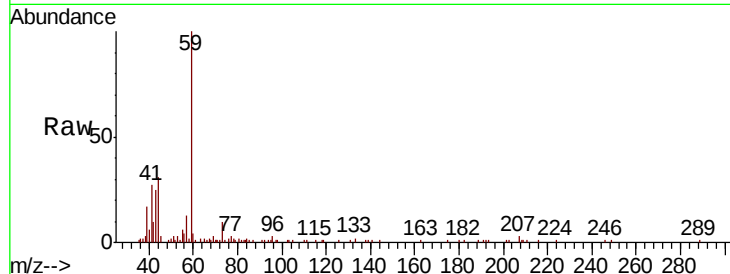
Tert butyl alcohol
Concen: 219.114 ug/l
RT: 2.66 min Scan# 206
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 57806
Ion Ratio Lower Upper
59 100
57 12.6 6.5 9.7#

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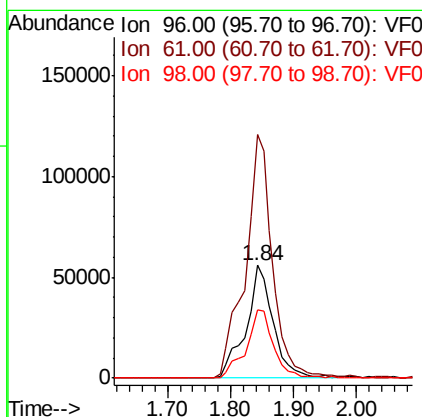
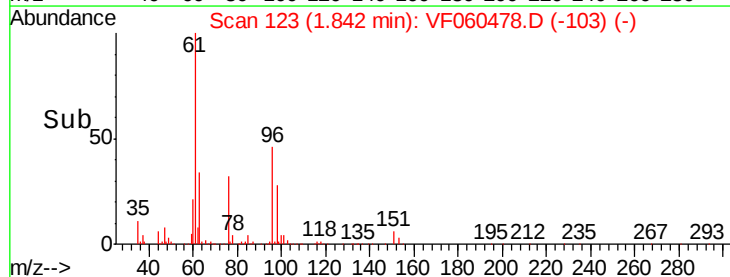
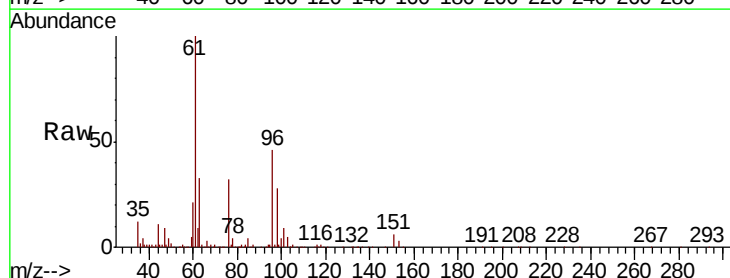
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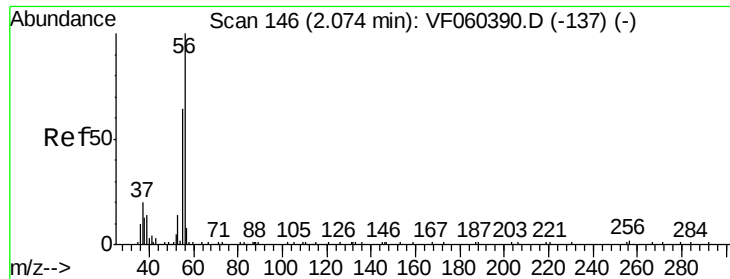


#12

1,1-Dichloroethene
Concen: 49.959 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion: 96 Resp: 168912
Ion Ratio Lower Upper
96 100
61 215.6 189.4 284.0
98 60.0 47.8 71.6





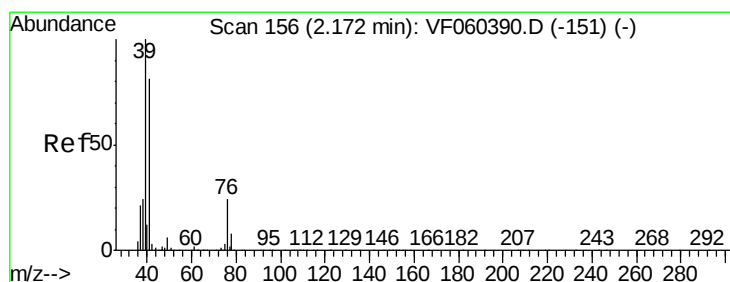
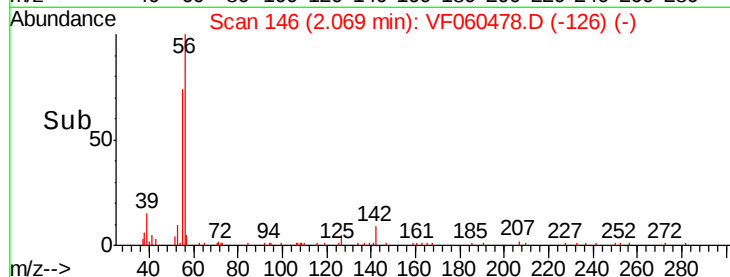
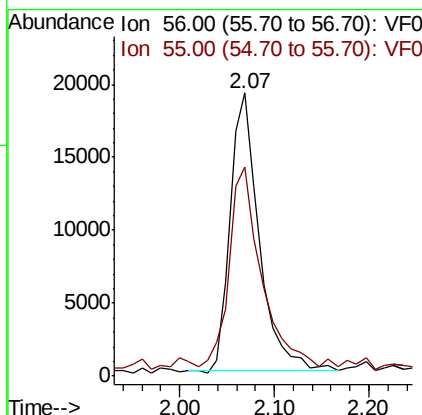
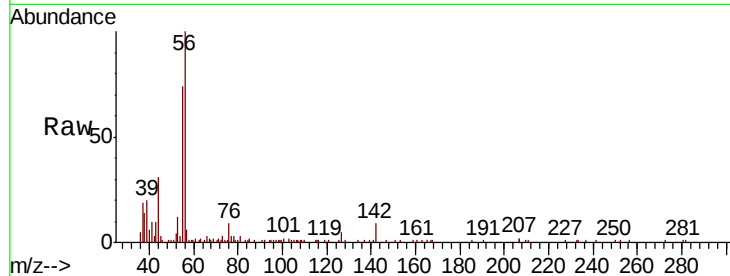
#13
Acrolein
Concen: 189.971 ug/l
RT: 2.07 min Scan# 146
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 40305
Ion Ratio Lower Upper
56 100
55 73.7 53.9 80.9

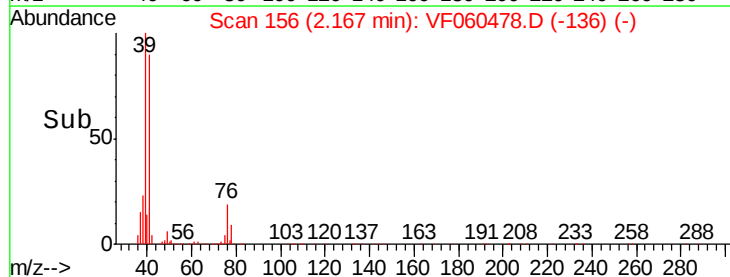
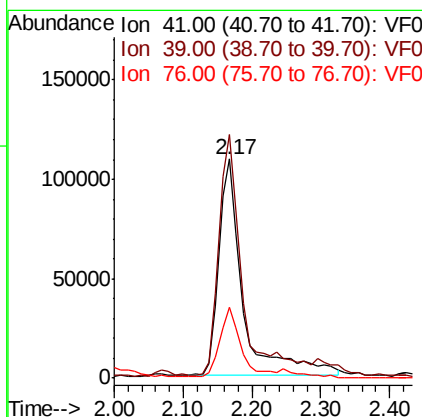
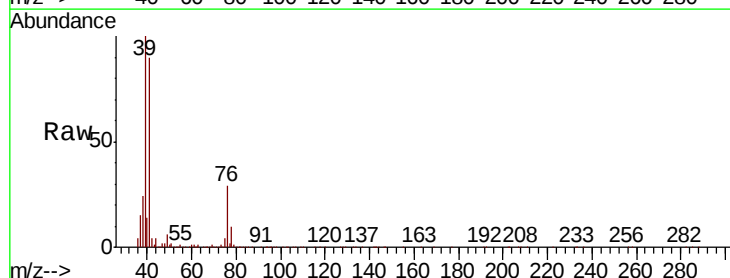
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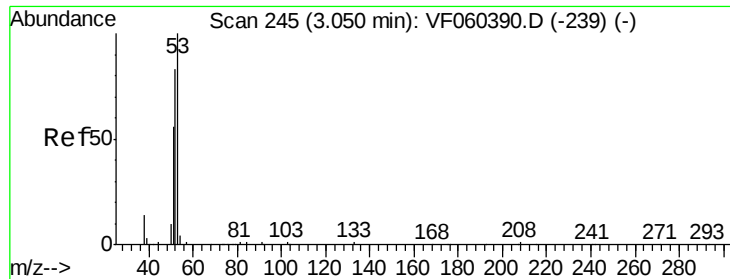
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#14
Allyl chloride
Concen: 49.386 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion: 41 Resp: 267551
Ion Ratio Lower Upper
41 100
39 111.2 98.3 147.5
76 32.4 23.9 35.9





#15

Acrylonitrile

Concen: 245.071 ug/l

RT: 3.04 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

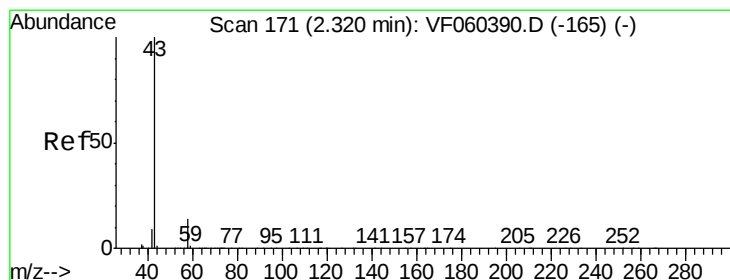
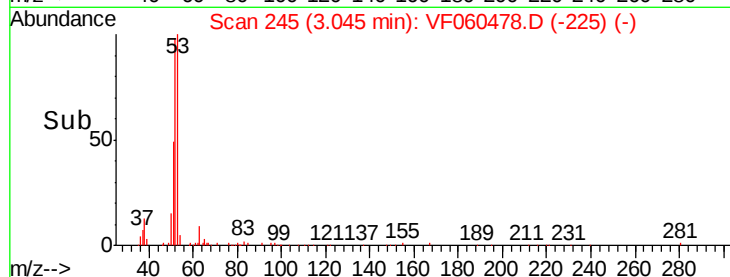
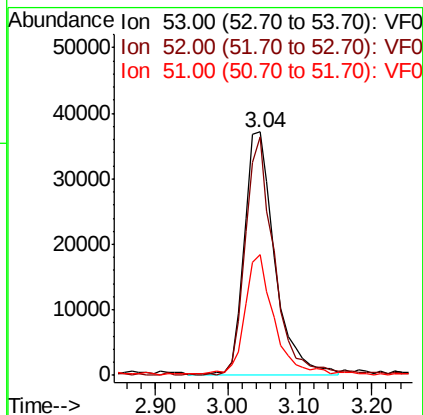
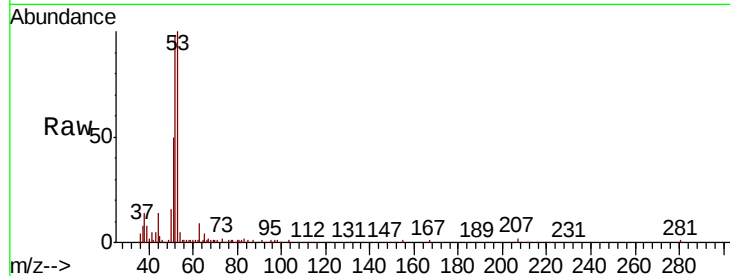
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	110784
Ion	Ratio	Lower	Upper
53	100		
52	98.0	66.0	99.0
51	49.8	45.6	68.4

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#16

Acetone

Concen: 287.367 ug/l

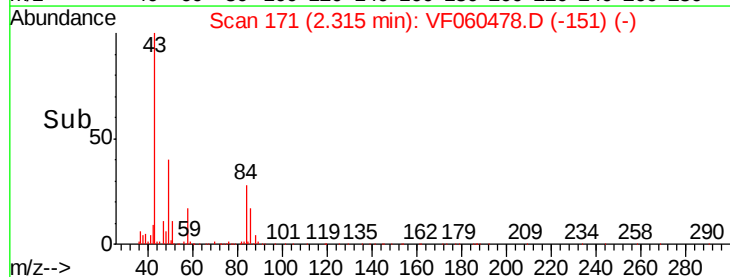
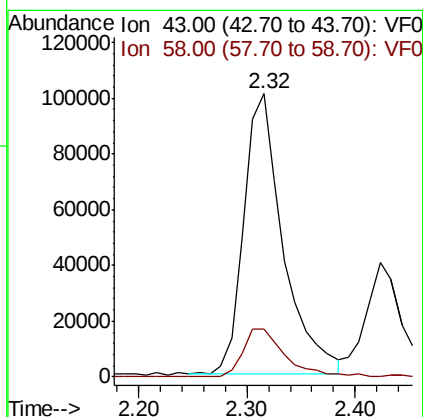
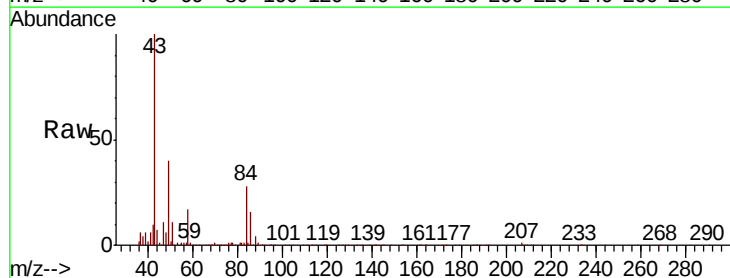
RT: 2.32 min Scan# 171

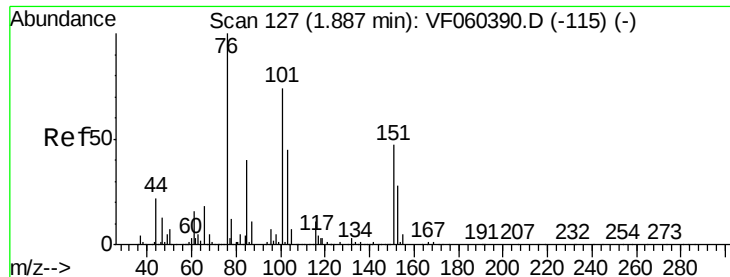
Delta R.T. -0.00 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Tgt Ion:	43	Resp:	254983
Ion	Ratio	Lower	Upper
43	100		
58	16.8	11.2	16.8#





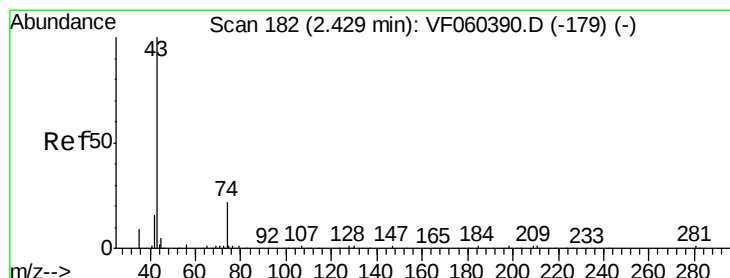
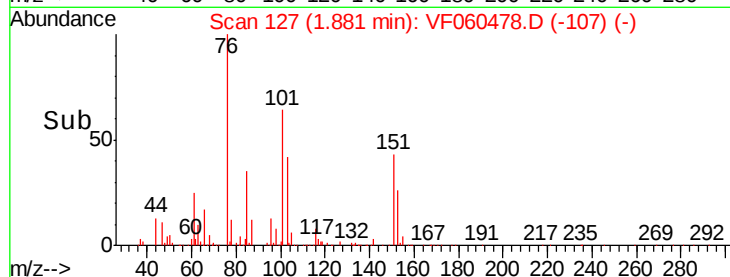
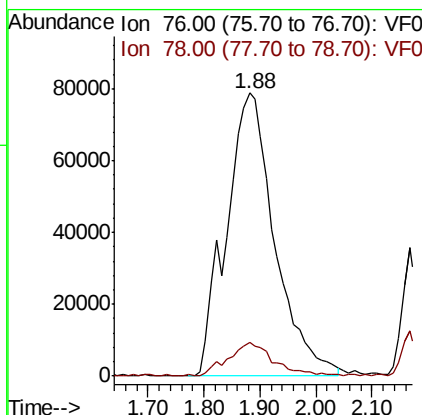
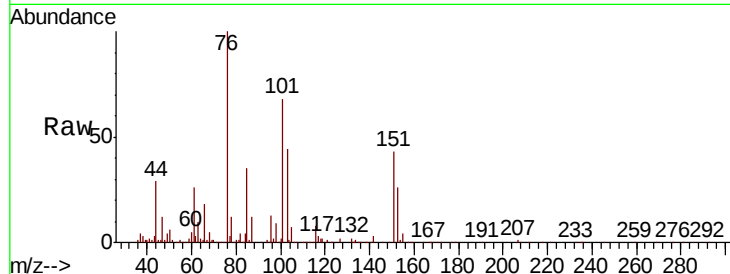
#17
Carbon Disulfide
Concen: 46.256 ug/l
RT: 1.88 min Scan# 127
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 473562
Ion Ratio Lower Upper
76 100
78 12.0 10.1 15.1

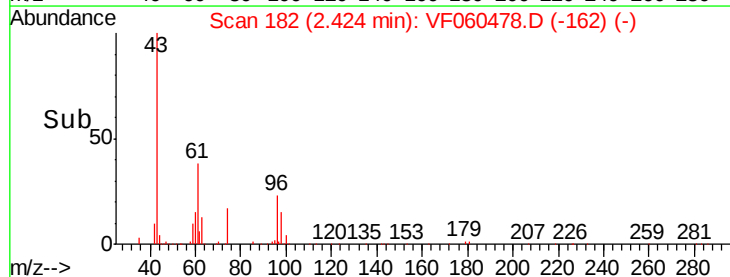
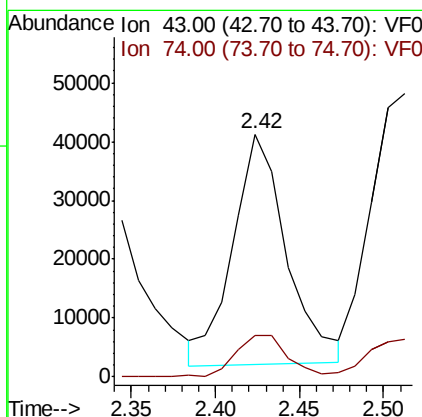
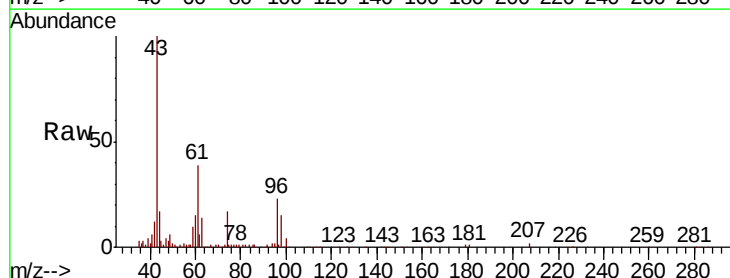
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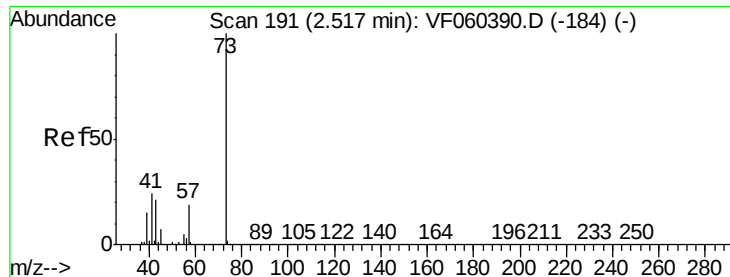
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#18
Methyl Acetate
Concen: 53.202 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion: 43 Resp: 87022
Ion Ratio Lower Upper
43 100
74 17.0 15.8 23.8





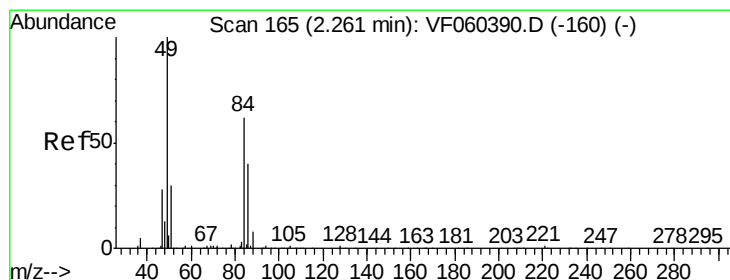
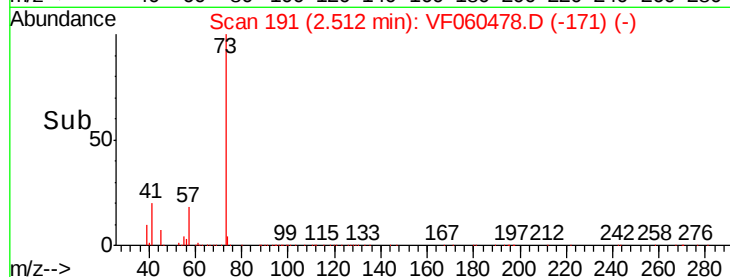
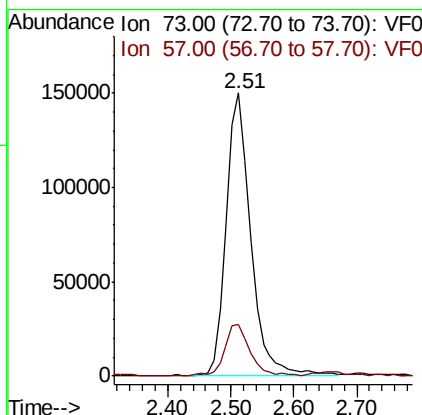
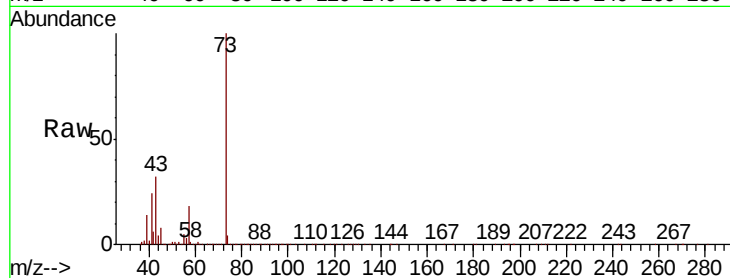
#19
Methyl tert-butyl Ether
Concen: 48.852 ug/l
RT: 2.51 min Scan# 191
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.4	15.9	23.9

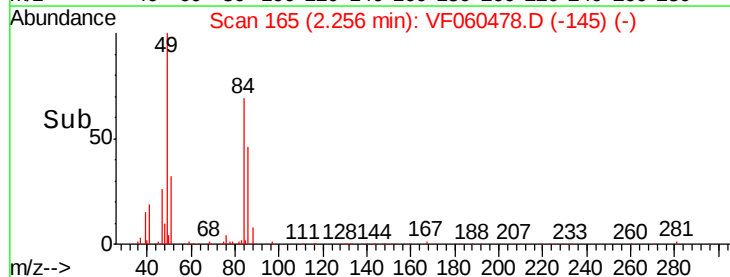
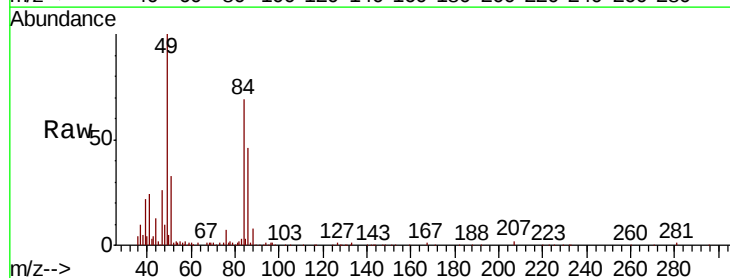
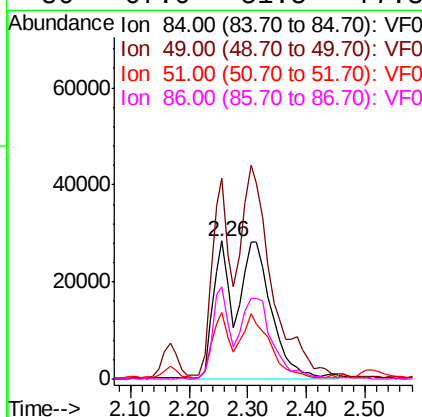
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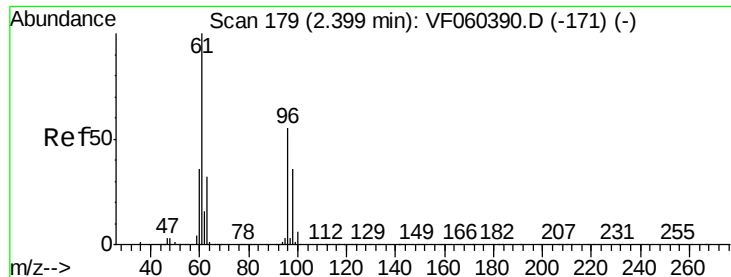
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#20
Methylene Chloride
Concen: 48.993 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.4	130.2	195.2
51	48.5	41.0	61.6
86	67.0	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 50.189 ug/l

RT: 2.38 min Scan# 178

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

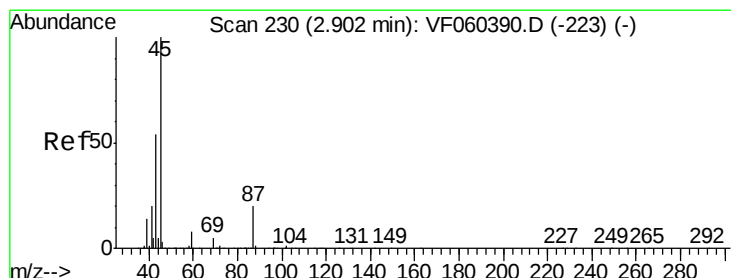
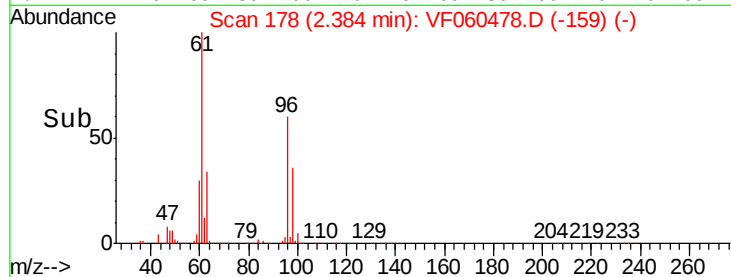
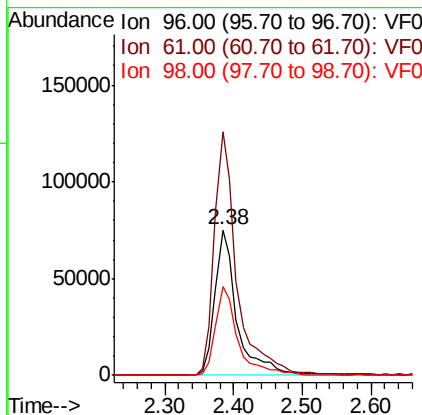
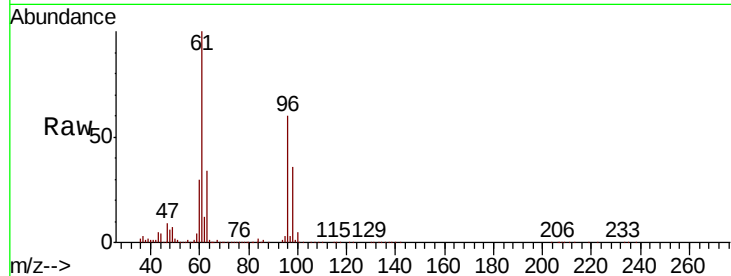
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	169474
Ion	Ratio	Lower	Upper
96	100		
61	167.8	146.2	219.2
98	60.8	52.6	78.8

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#22

Diisopropyl ether

Concen: 51.413 ug/l

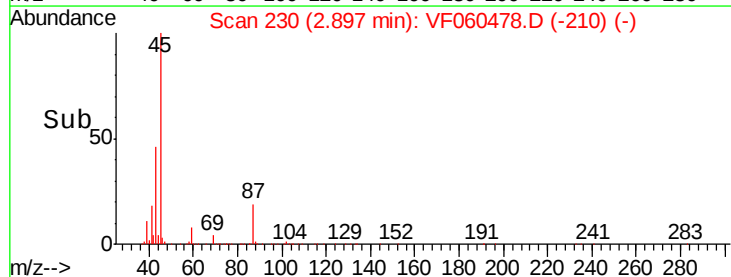
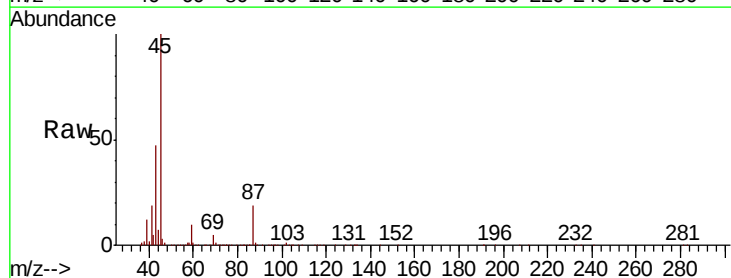
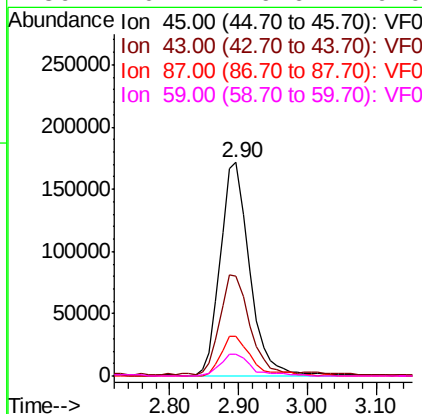
RT: 2.90 min Scan# 230

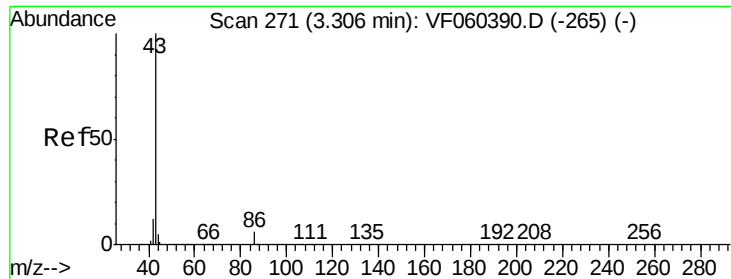
Delta R.T. -0.01 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Tgt Ion:	45	Resp:	505562
Ion	Ratio	Lower	Upper
45	100		
43	46.7	43.8	65.8
87	18.6	16.3	24.5
59	10.1	6.6	10.0#





#23

Vinyl Acetate

Concen: 243.400 ug/l

RT: 3.29 min Scan# 270

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

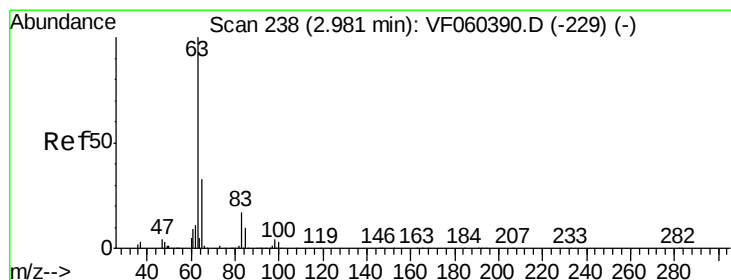
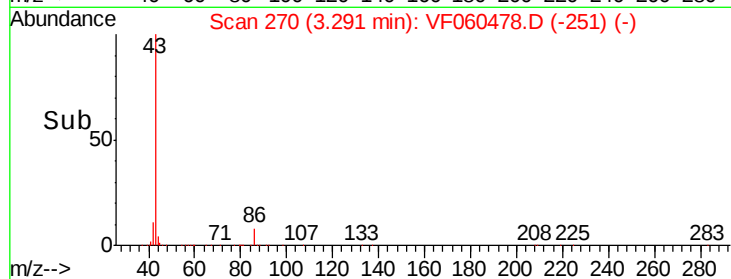
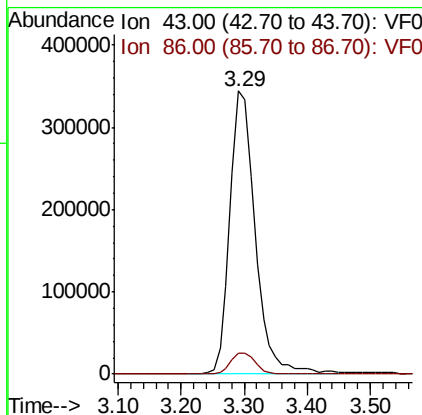
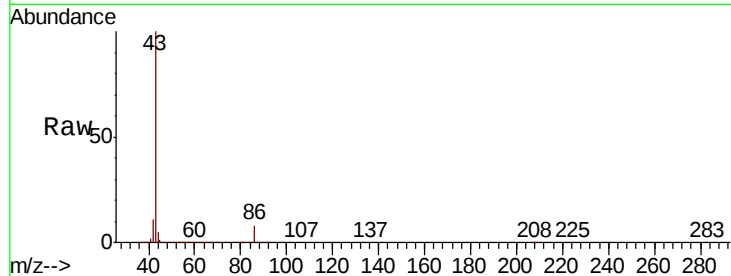
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	950761
Ion Ratio	Lower	Upper	
43	100		
86	7.5	5.1	7.7

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#24

1,1-Dichloroethane

Concen: 50.048 ug/l

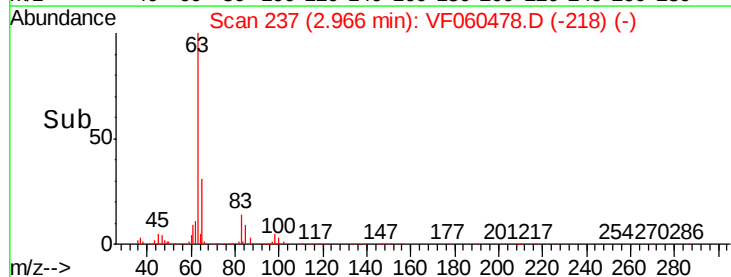
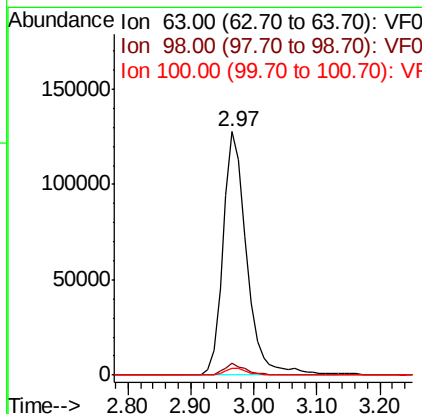
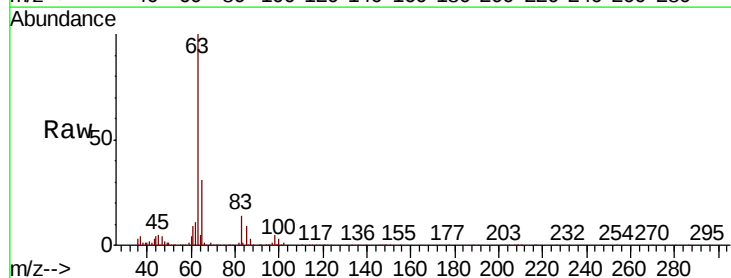
RT: 2.97 min Scan# 237

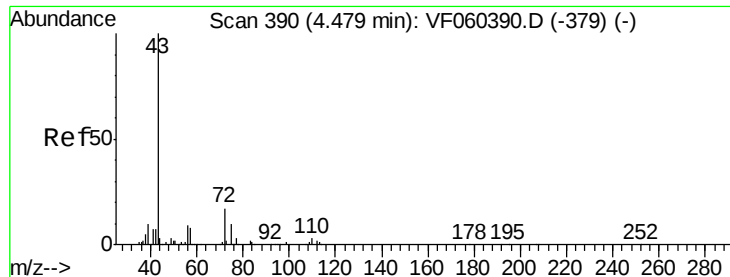
Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Tgt Ion:	63	Resp:	332809
Ion Ratio	Lower	Upper	
63	100		
98	5.2	2.0	5.8
100	2.8	1.4	4.2





#25

2-Butanone

Concen: 249.490 ug/l

RT: 4.46 min Scan# 389

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 281760

Ion Ratio Lower Upper

43 100

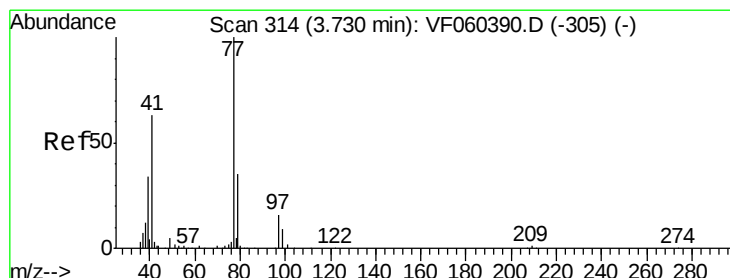
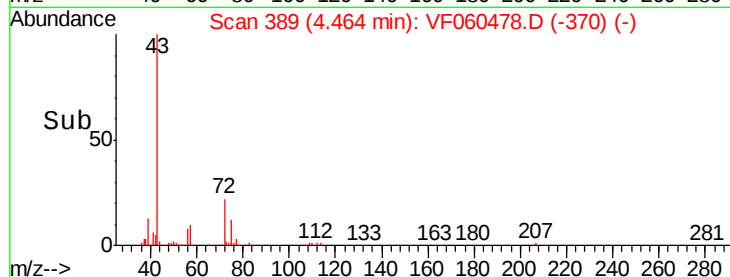
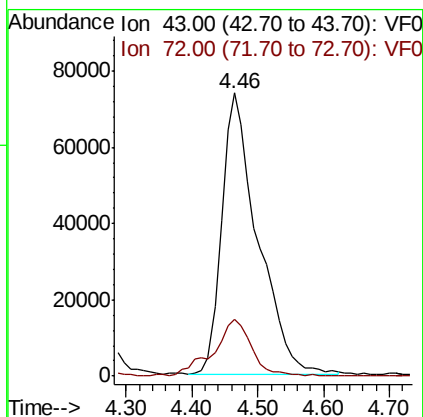
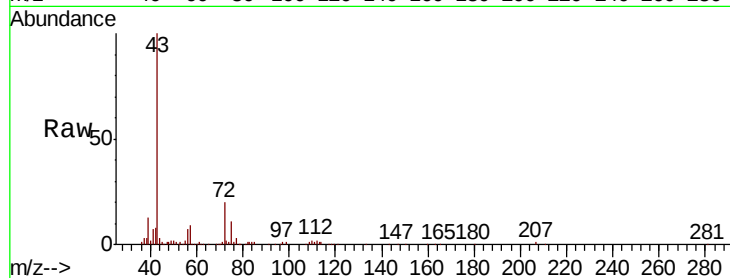
72 20.1 14.1 21.1

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#26

2,2-Dichloropropane

Concen: 47.097 ug/l

RT: 3.72 min Scan# 314

Delta R.T. -0.01 min

Lab File: VF060478.D

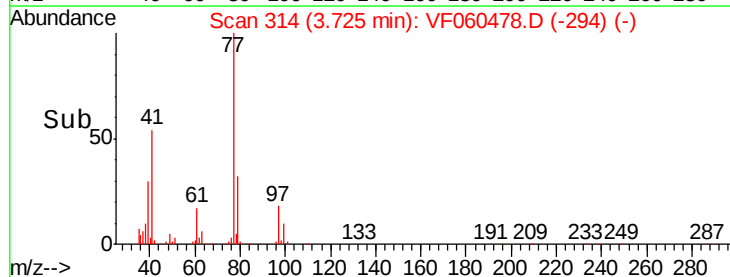
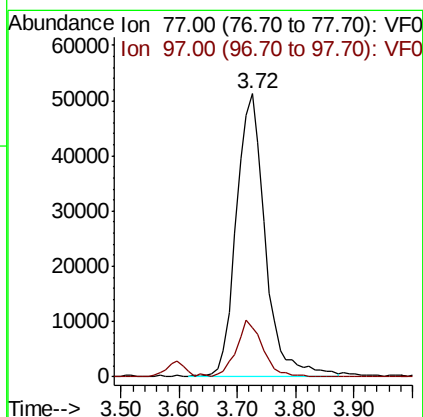
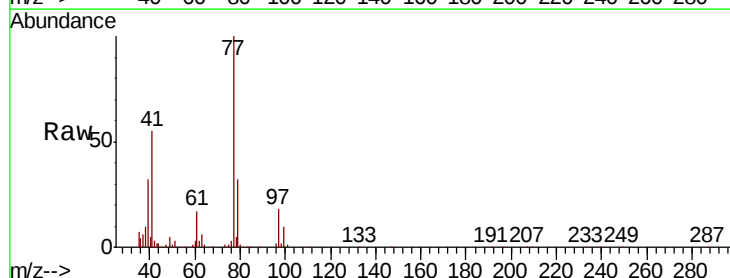
Acq: 8 Oct 2018 10:45

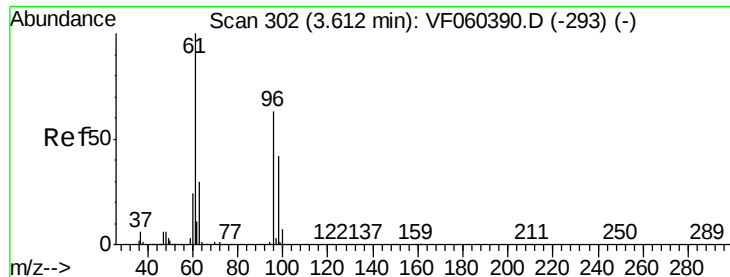
Tgt Ion: 77 Resp: 177381

Ion Ratio Lower Upper

77 100

97 17.5 8.3 25.1





#27

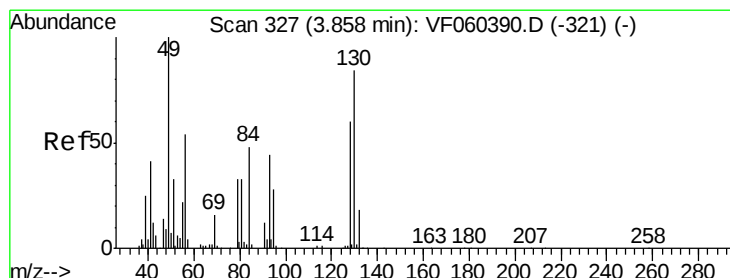
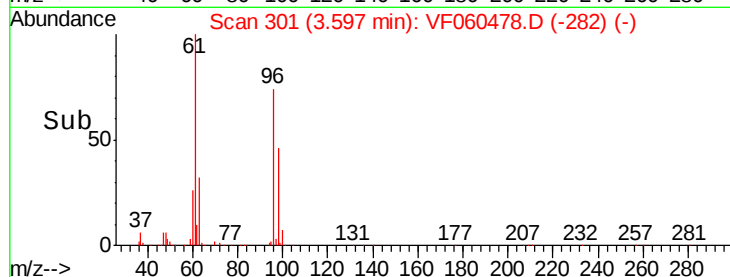
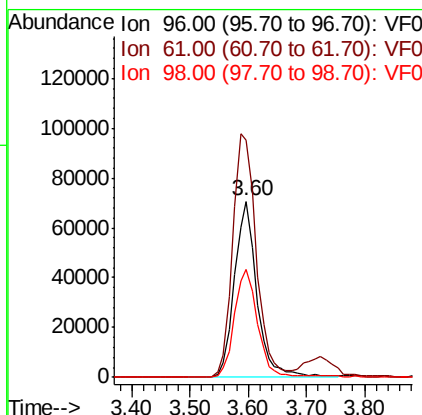
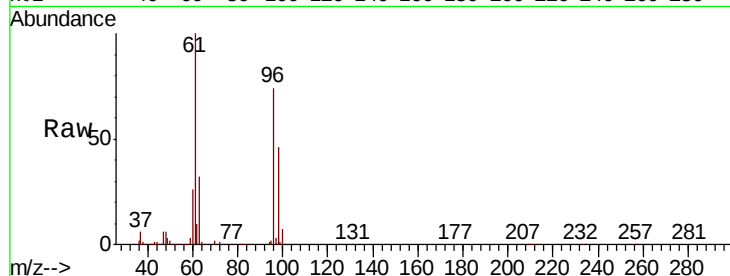
cis-1,2-Dichloroethene
Concen: 50.520 ug/l
RT: 3.60 min Scan# 301
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	190735		
61	134.5	0.0	318.2	
98	61.5	0.0	134.0	

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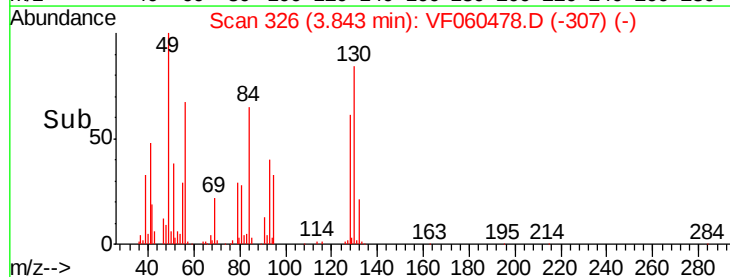
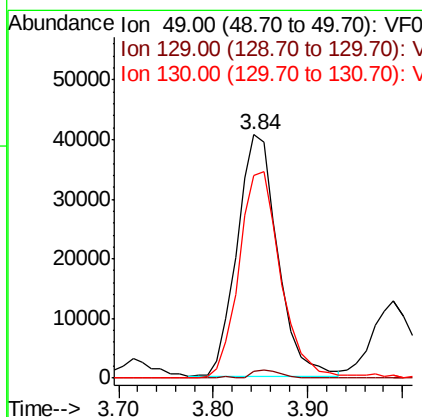
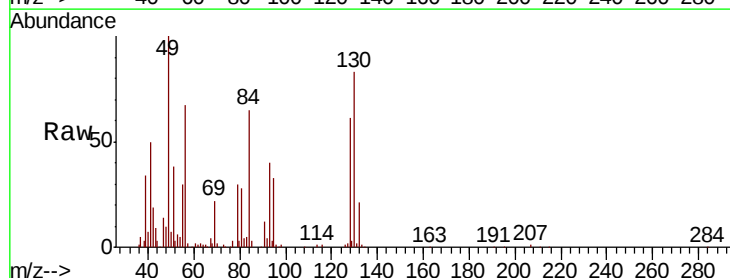
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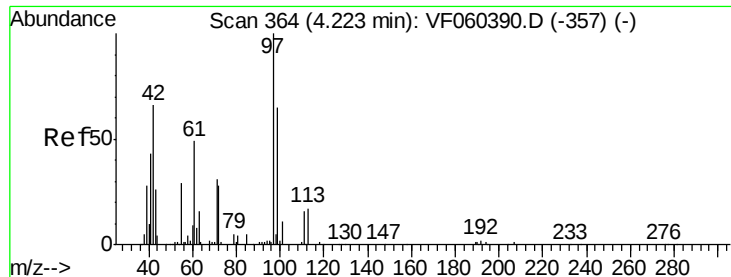


#28

Bromochloromethane
Concen: 48.953 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	119973		
129	2.7	0.0	4.6	
130	84.9	67.3	100.9	





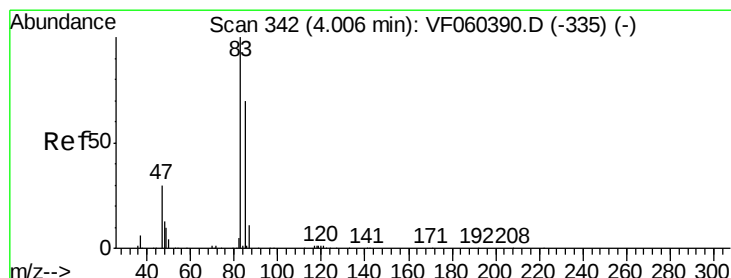
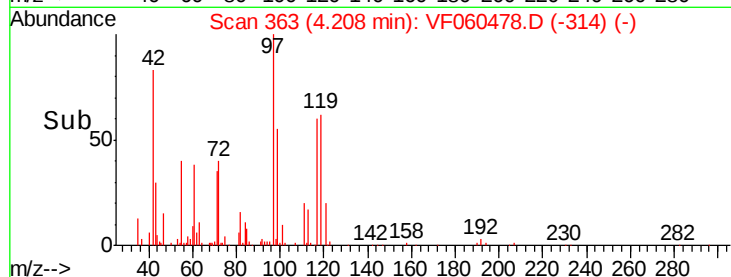
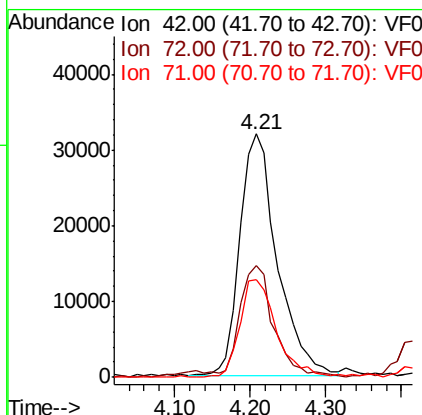
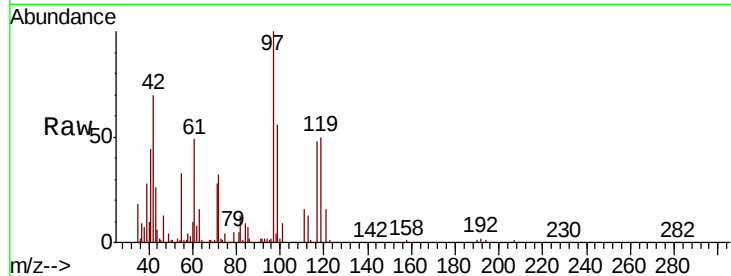
#29
Tetrahydrofuran
Concen: 257.066 ug/l
RT: 4.21 min Scan# 363
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.6	50.4
71	39.9	32.7	49.1

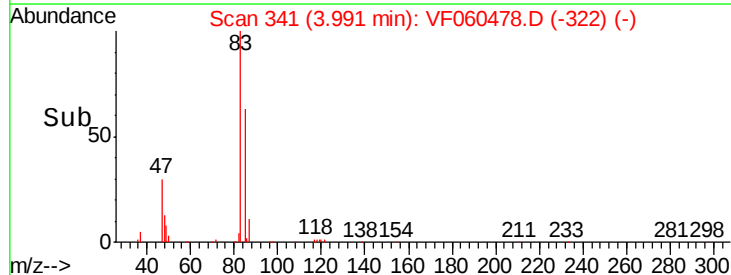
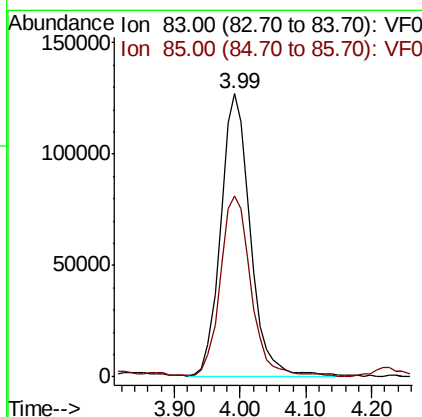
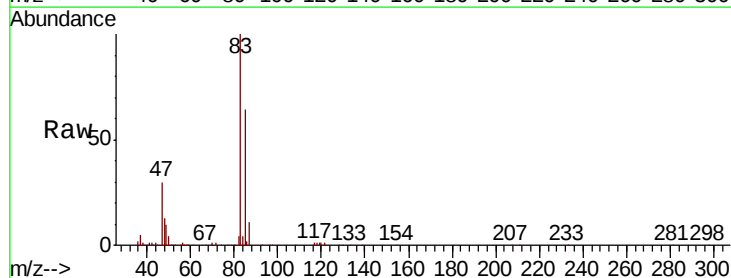
Manual Integrations
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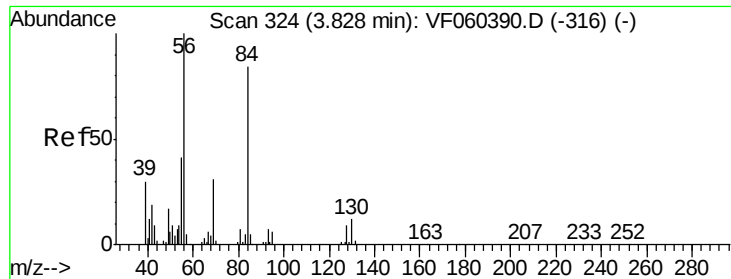
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#30
Chloroform
Concen: 48.455 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	55.9	83.9





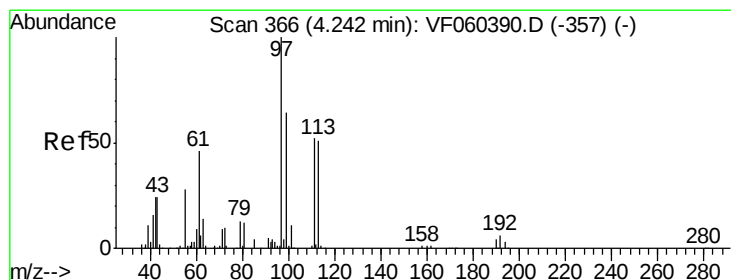
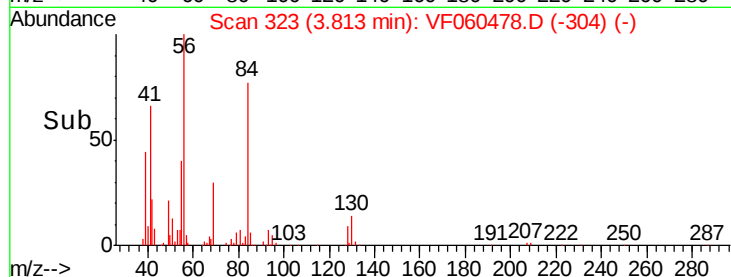
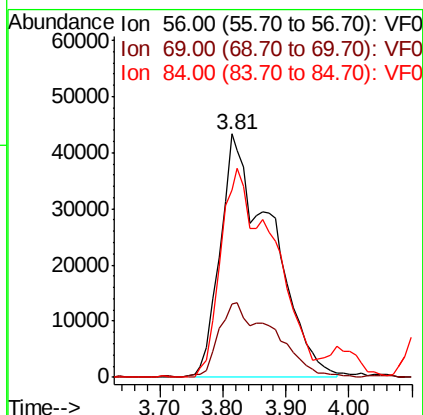
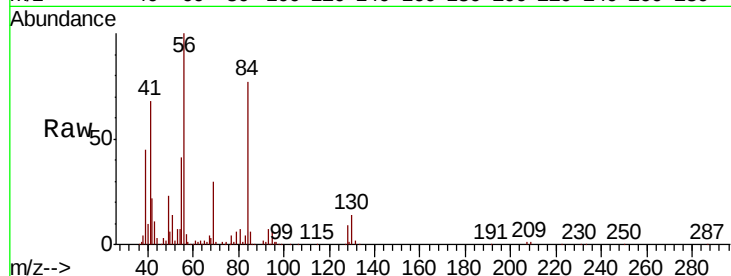
#31
Cyclohexane
Concen: 51.527 ug/l m
RT: 3.81 min Scan# 323
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.5	38.3
84	77.2	67.4	101.0

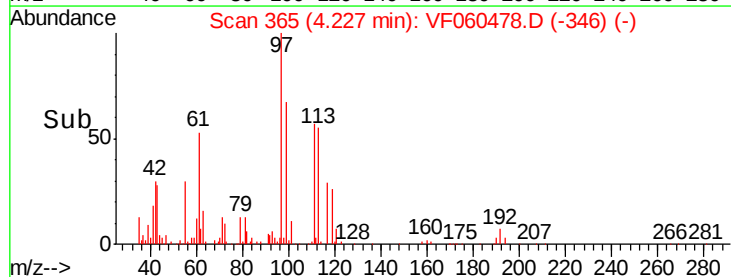
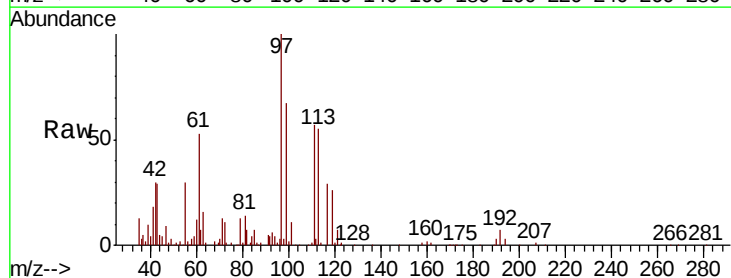
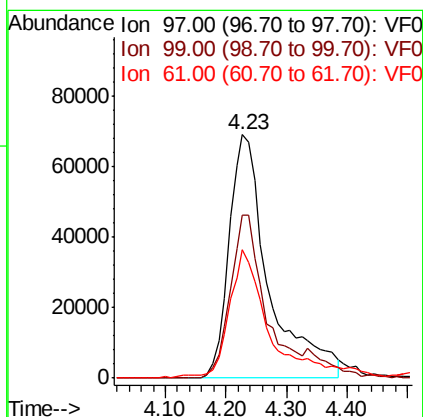
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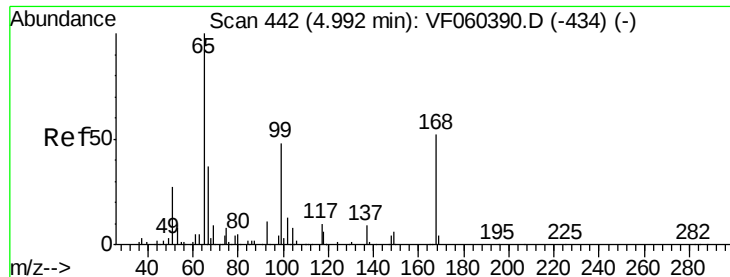
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#32
1,1,1-Trichloroethane
Concen: 46.302 ug/l
RT: 4.23 min Scan# 365
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.0	76.4
61	52.8	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 45.554 ug/l

RT: 4.98 min Scan# 441

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

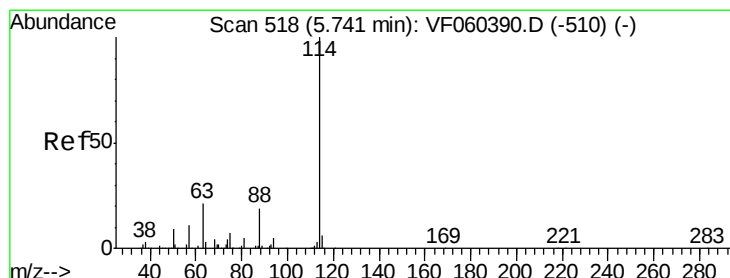
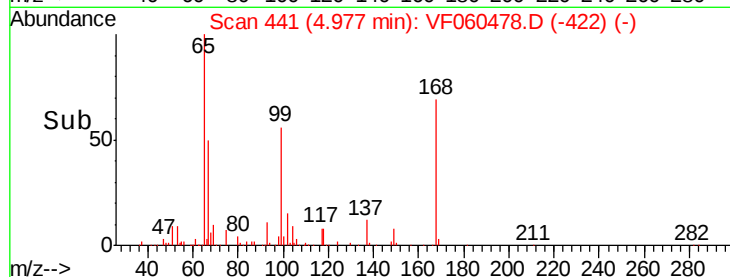
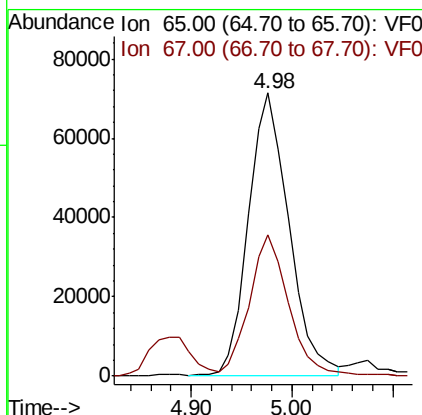
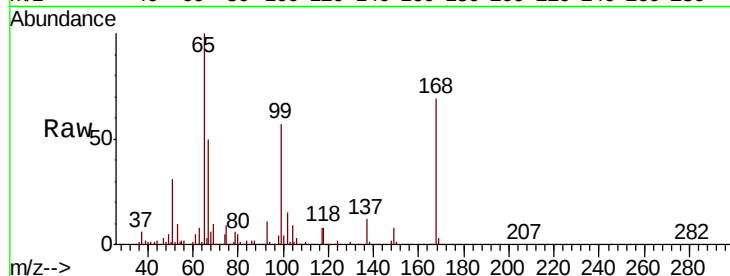
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	198686		
67	49.9	0.0	89.4	

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

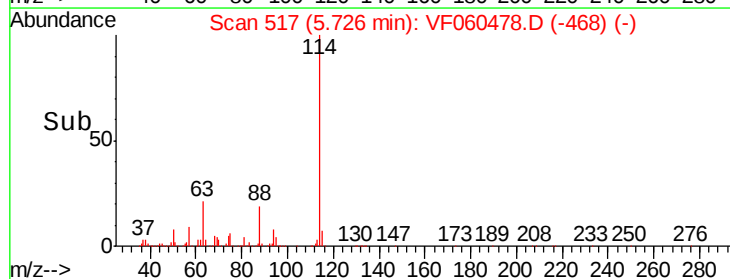
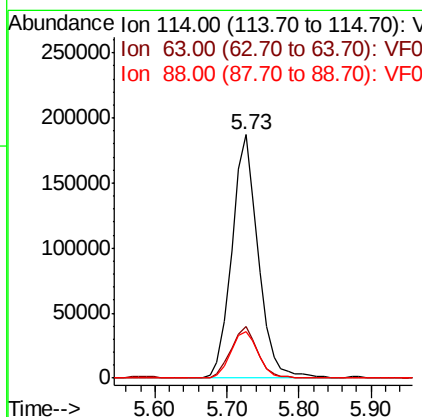
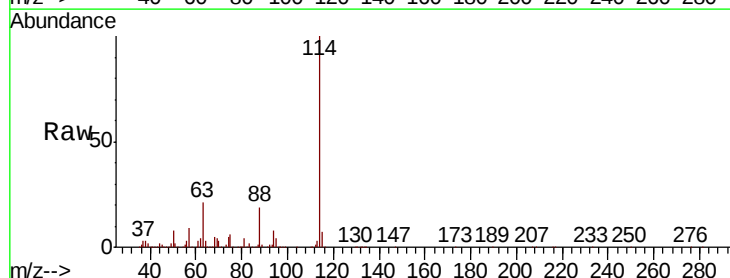
RT: 5.73 min Scan# 517

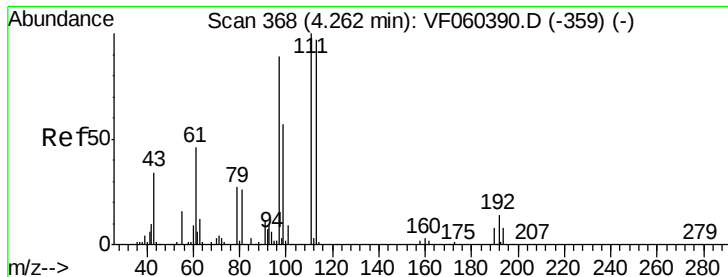
Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	476383		
63	21.0	0.0	42.2	
88	19.2	0.0	38.8	





#35

Dibromofluoromethane

Concen: 46.293 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

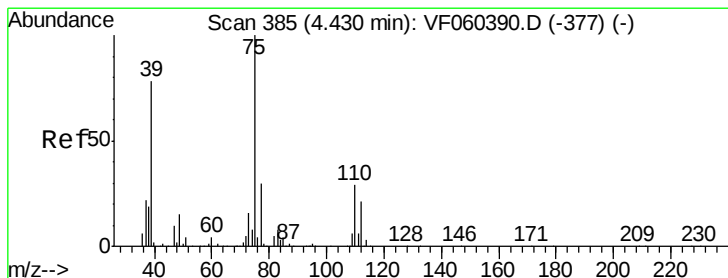
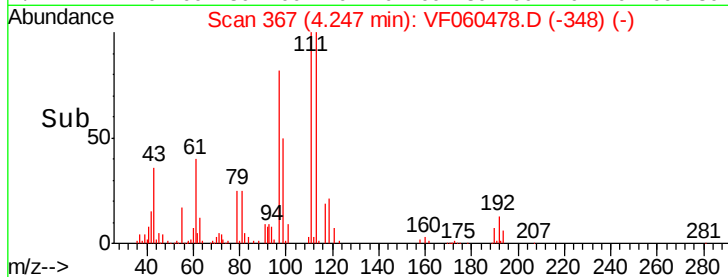
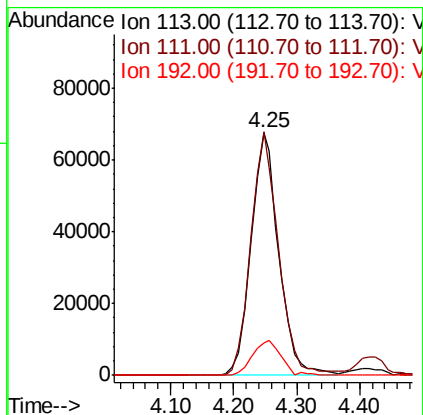
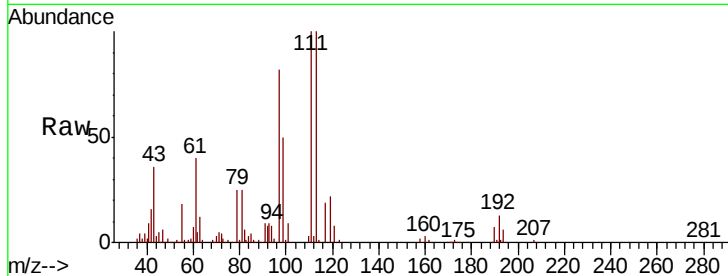
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	207177
Ion Ratio	Lower	Upper	
113	100		
111	100.4	82.3	123.5
192	13.3	11.8	17.6

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#36

1,1-Dichloropropene

Concen: 49.062 ug/l

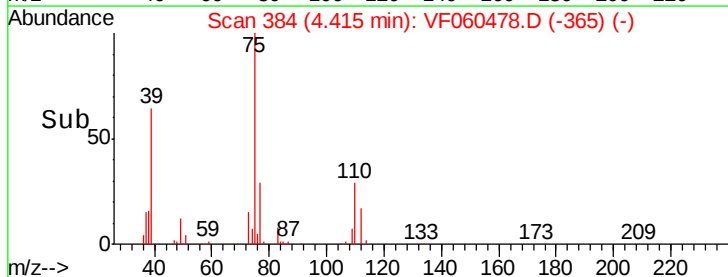
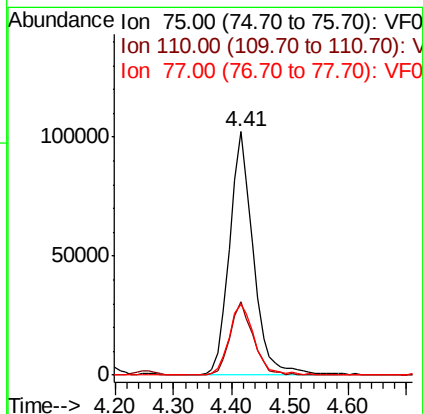
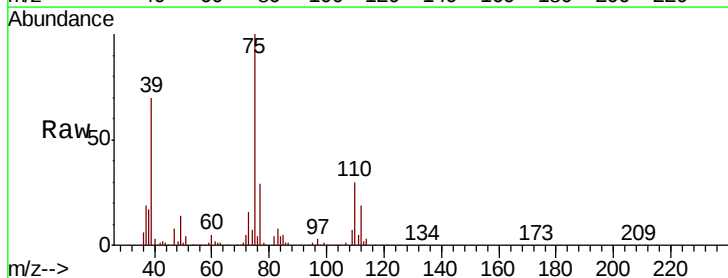
RT: 4.41 min Scan# 384

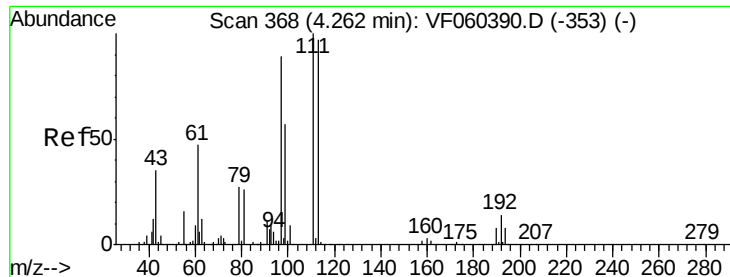
Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Tgt Ion:	75	Resp:	288161
Ion Ratio	Lower	Upper	
75	100		
110	30.0	14.5	43.6
77	29.1	24.3	36.5





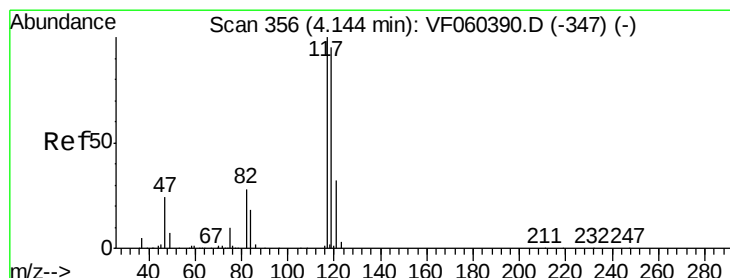
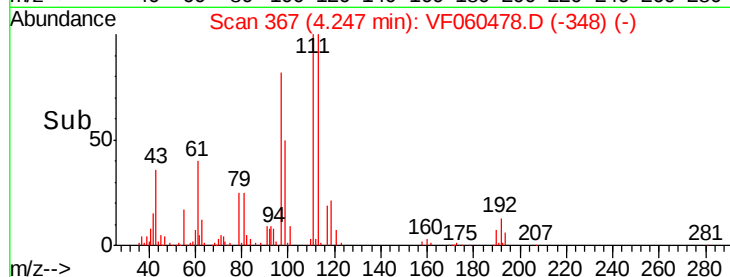
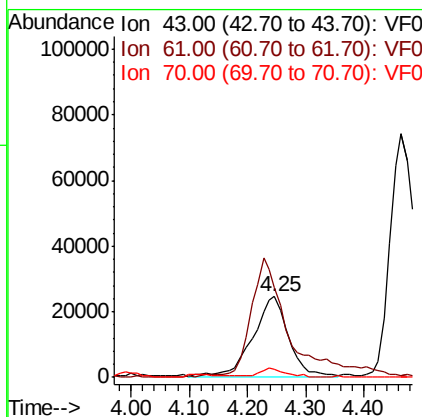
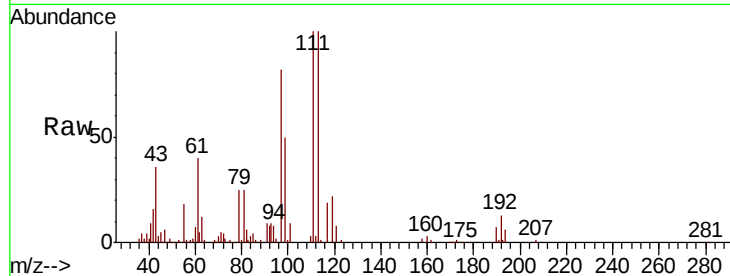
#37
Ethyl Acetate
Concen: 46.229 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	110.8	105.1	157.7
70	9.3	8.0	12.0

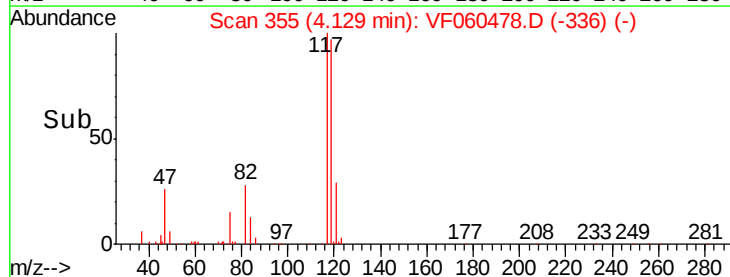
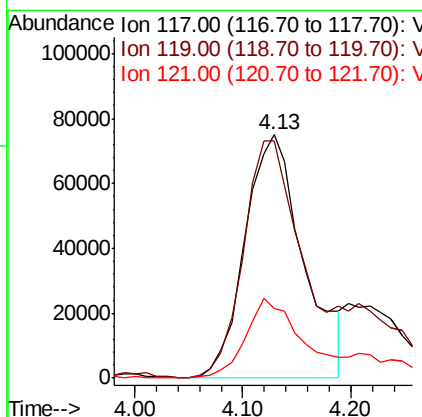
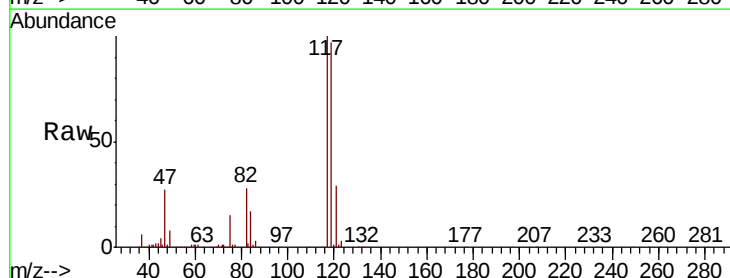
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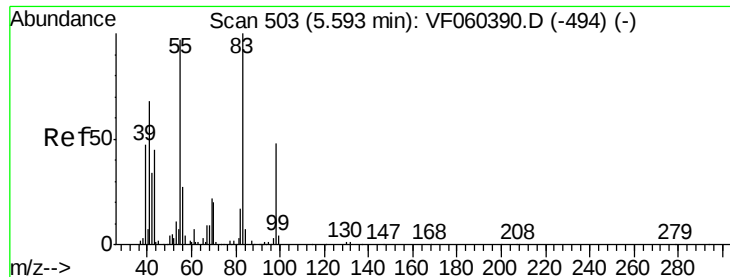
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#38
Carbon Tetrachloride
Concen: 39.367 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.5	113.3
121	28.7	25.4	38.0





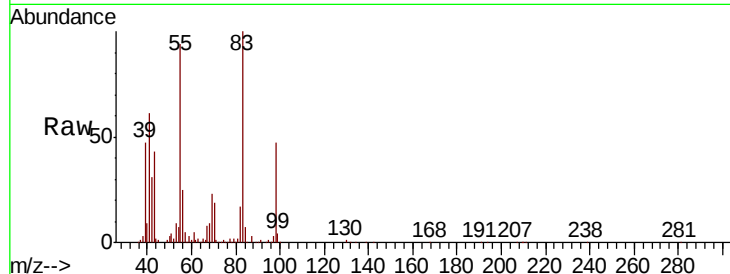
#39
Methylcyclohexane
Concen: 49.674 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

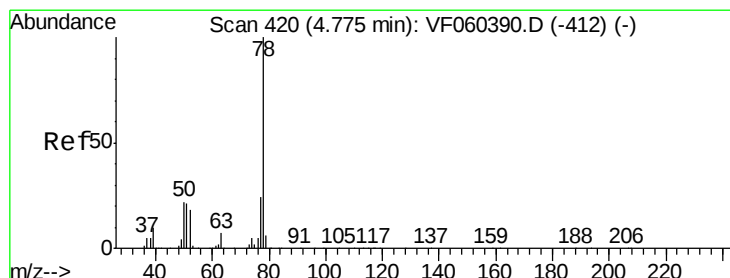
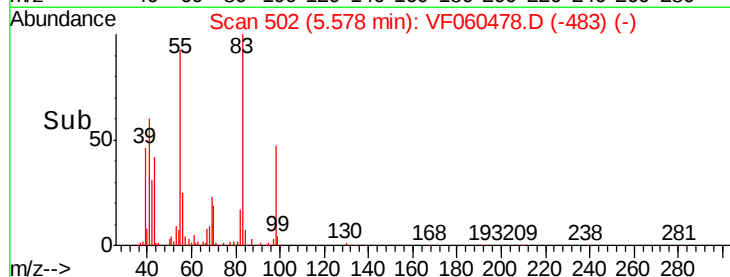
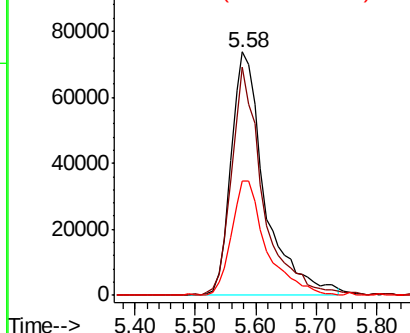
Tgt Ion	Ratio	Lower	Upper
83	100		
55	93.7	77.5	116.3
98	46.8	38.7	58.1

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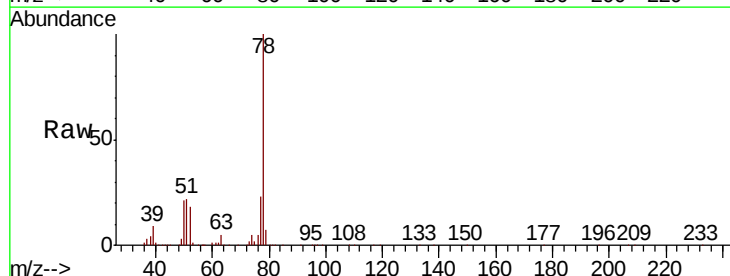


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

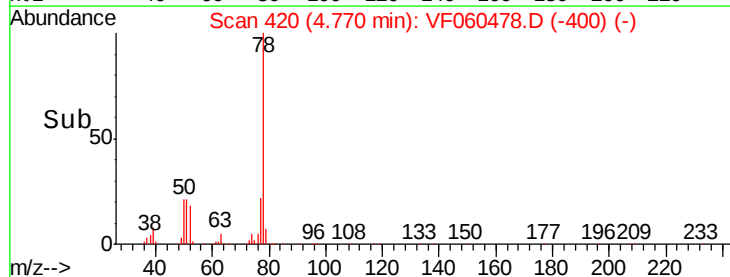
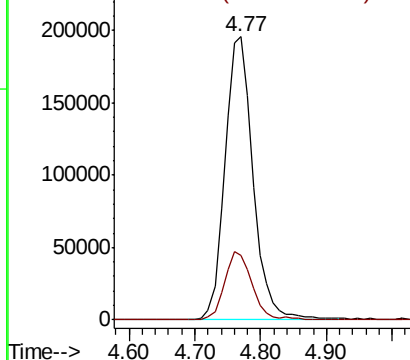


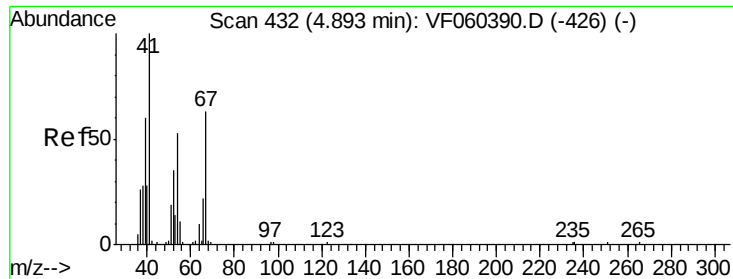
#40
Benzene
Concen: 50.288 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.2	28.8



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 50.774 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

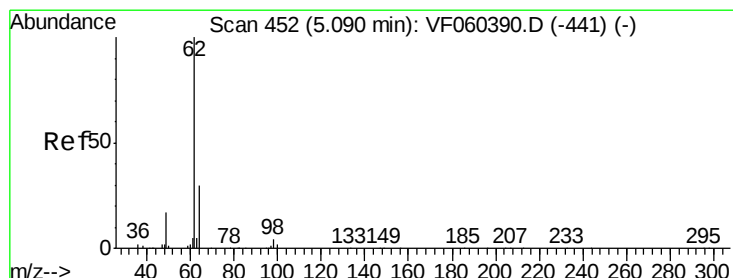
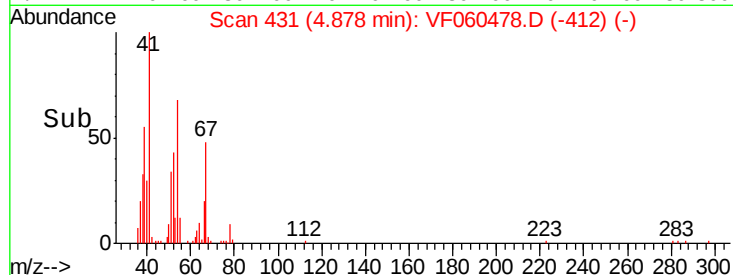
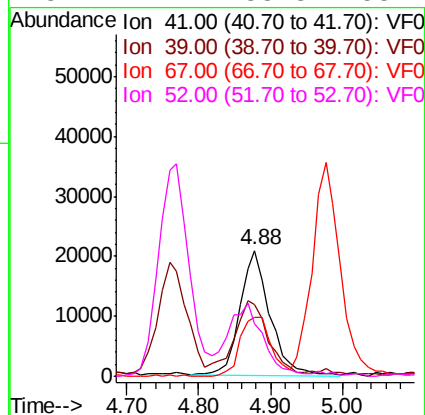
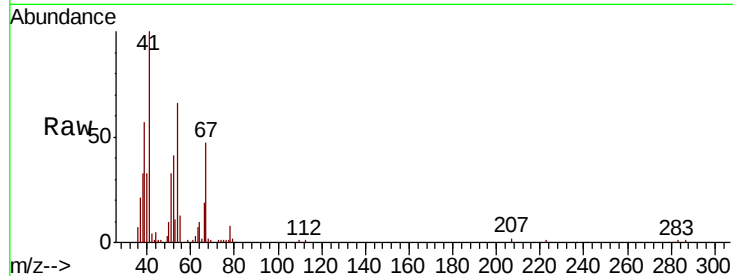
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.2	55.0	82.4
67	46.6	49.6	74.4#
52	41.4	38.8	58.2

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#42

1,2-Dichloroethane

Concen: 45.377 ug/l

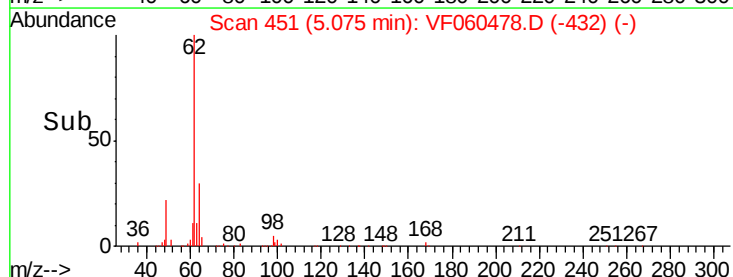
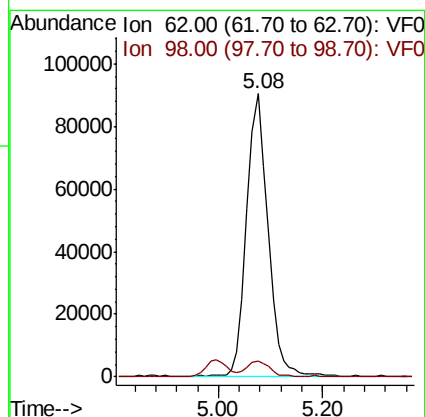
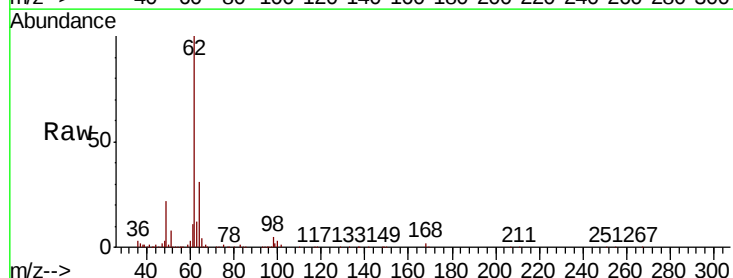
RT: 5.08 min Scan# 451

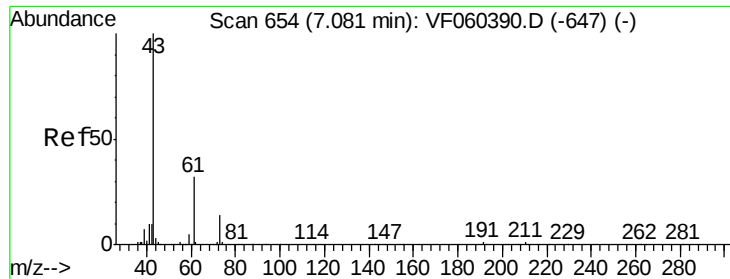
Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	11.2





#43

Isopropyl Acetate

Concen: 47.920 ug/l

RT: 7.08 min Scan# 654

Delta R.T. -0.01 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

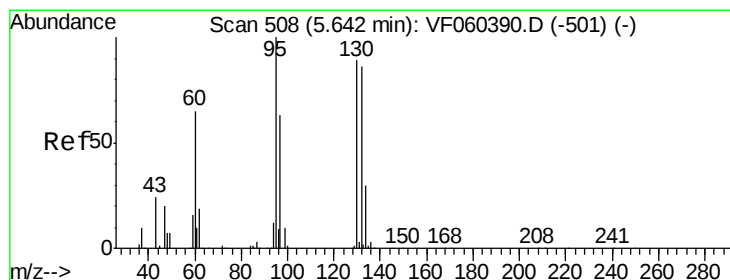
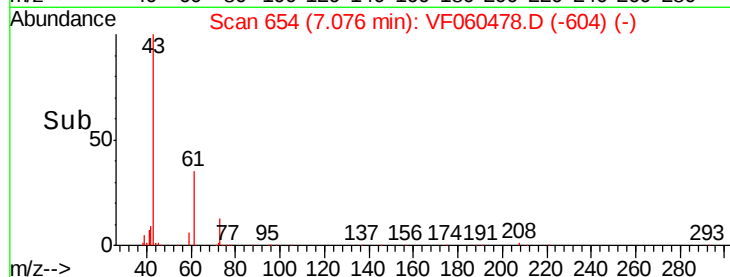
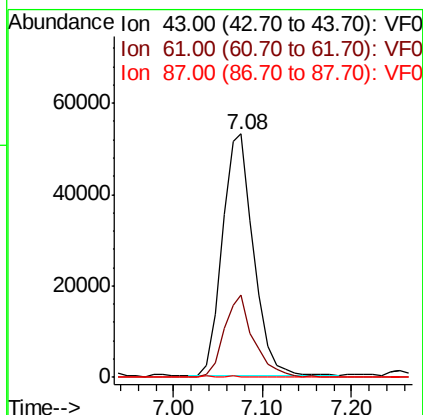
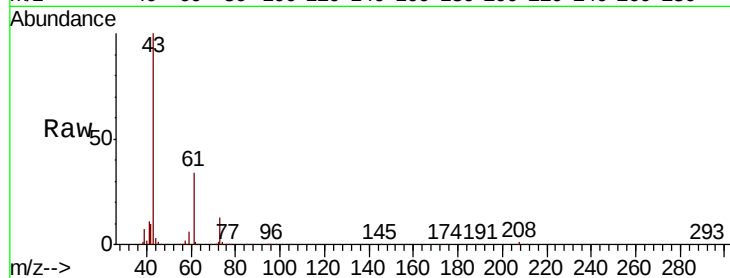
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	130250
Ion	Ratio	Lower	Upper
43	100		
61	33.8	25.4	38.2
87	0.4	0.3	0.5

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#44

Trichloroethene

Concen: 49.029 ug/l

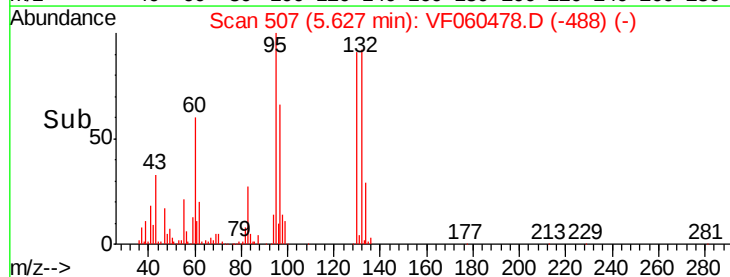
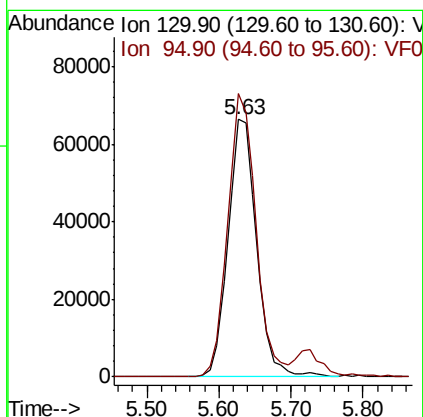
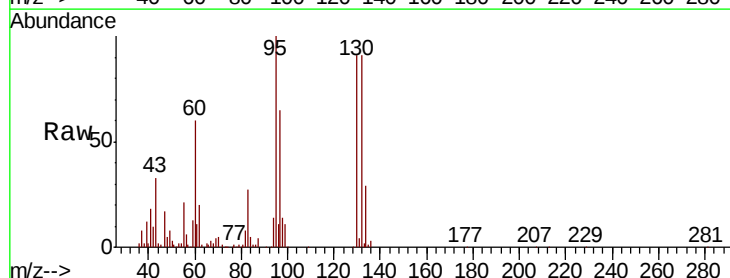
RT: 5.63 min Scan# 507

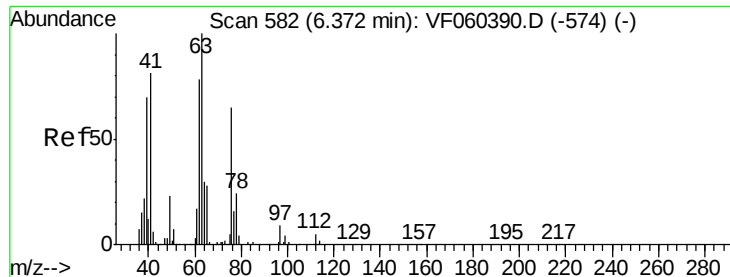
Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Tgt Ion:	130	Resp:	183429
Ion	Ratio	Lower	Upper
130	100		
95	109.9	0.0	224.4





#45

1,2-Dichloropropane

Concen: 49.699 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 154322

Ion Ratio Lower Upper

63 100

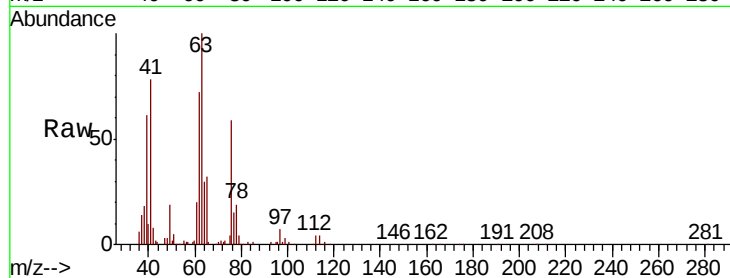
65 31.7 22.7 34.1

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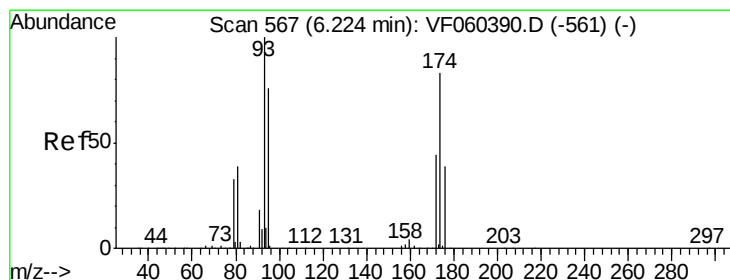
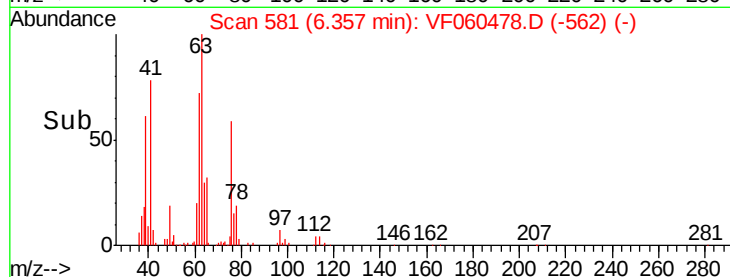
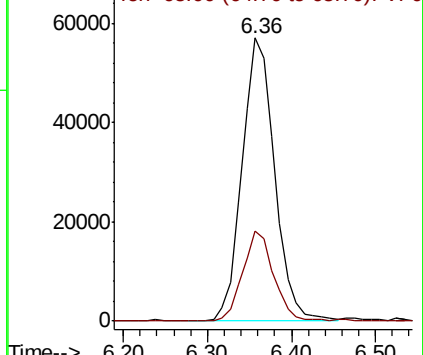
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 46.954 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

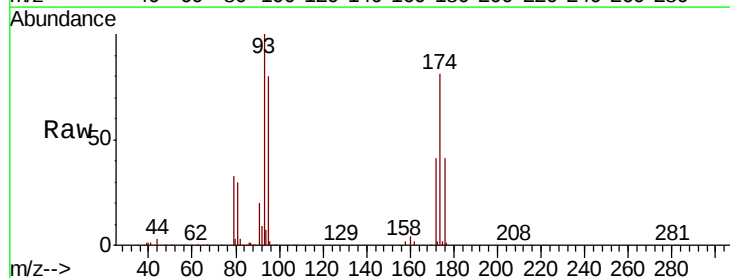
Tgt Ion: 93 Resp: 117223

Ion Ratio Lower Upper

93 100

95 80.4 61.1 91.7

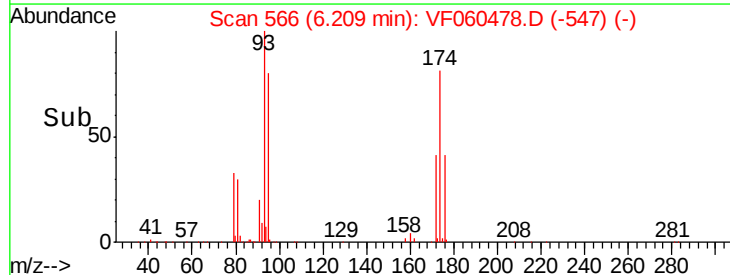
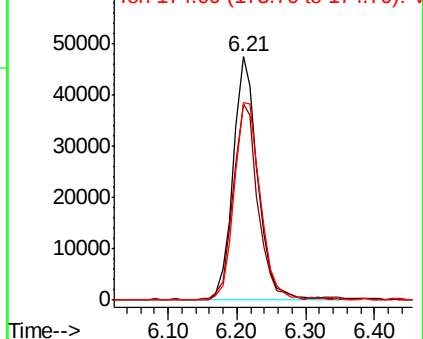
174 81.4 66.7 100.1

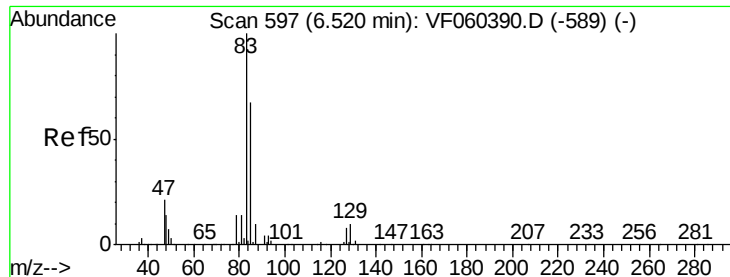


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 47.744 ug/l

RT: 6.50 min Scan# 596

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

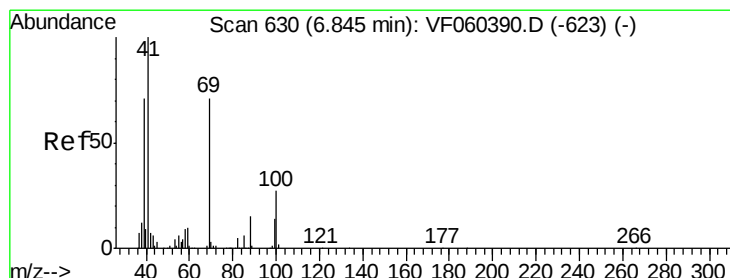
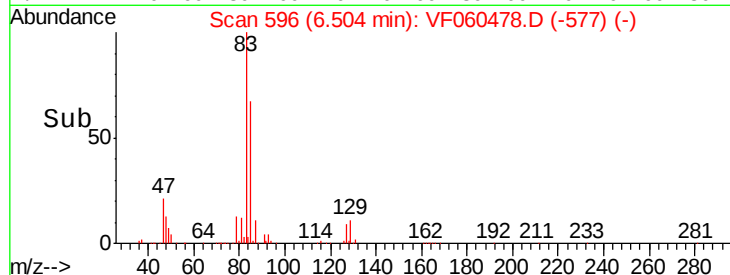
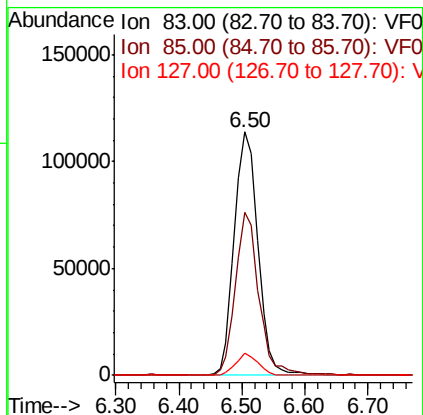
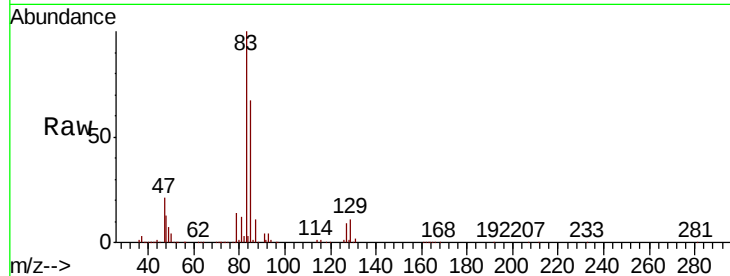
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	295206
Ion Ratio	Lower	Upper	
83	100		
85	67.1	53.2	79.8
127	8.9	6.6	9.8

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#48

Methyl methacrylate

Concen: 45.013 ug/l

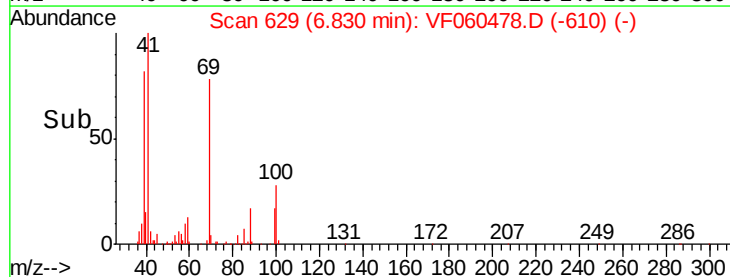
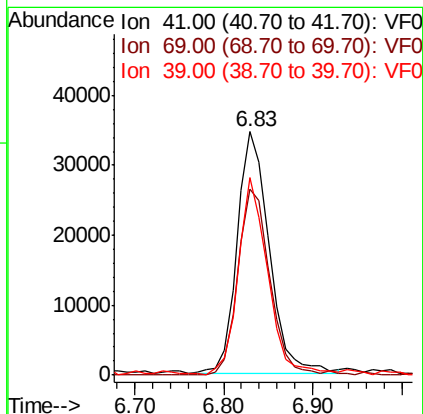
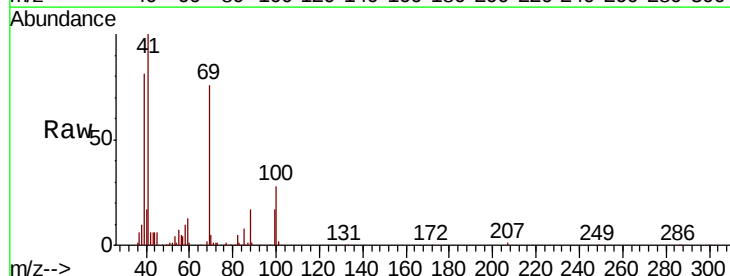
RT: 6.83 min Scan# 629

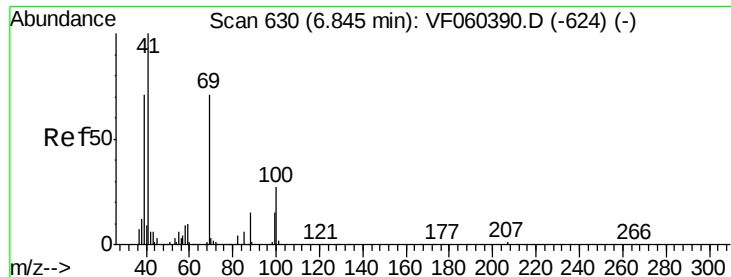
Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Tgt Ion:	41	Resp:	87826
Ion Ratio	Lower	Upper	
41	100		
69	76.5	56.3	84.5
39	81.2	56.9	85.3





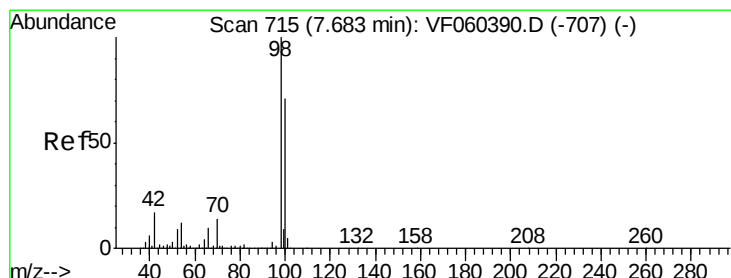
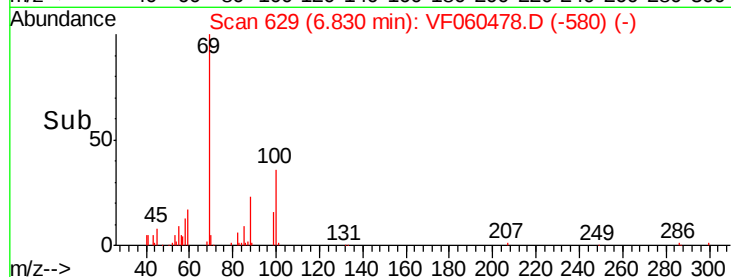
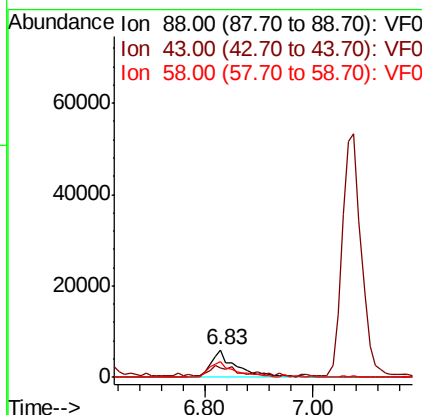
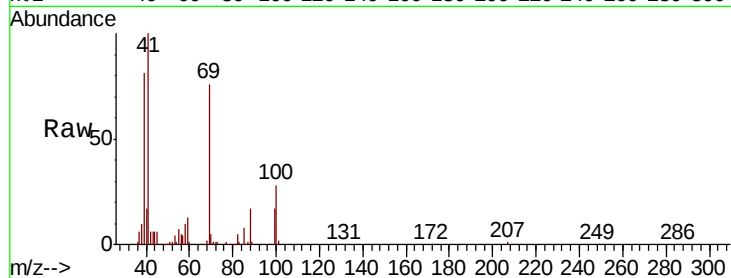
#49
1,4-Dioxane
Concen: 1149.856 ug/l
RT: 6.83 min Scan# 629
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.3	38.3	57.5#
58	57.7	47.4	71.2

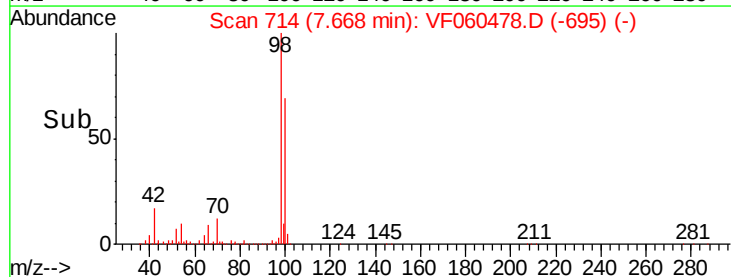
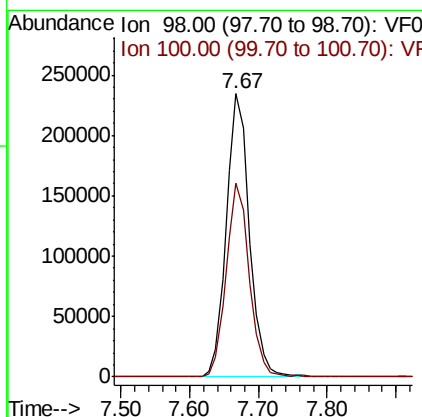
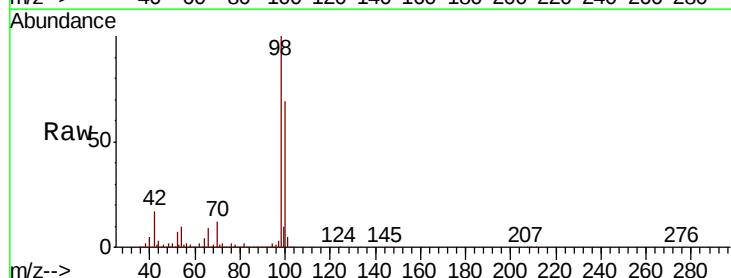
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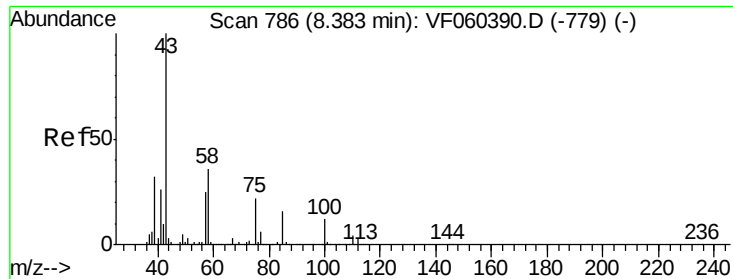
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#50
Toluene-d8
Concen: 49.351 ug/l
RT: 7.67 min Scan# 714
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.7	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 242.222 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 468662

Ion Ratio Lower Upper

43 100

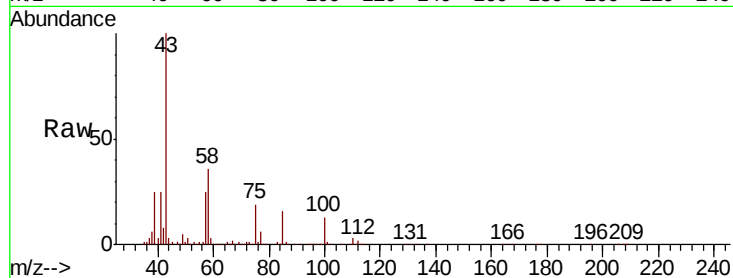
58 36.4 28.5 42.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

200000

150000

100000

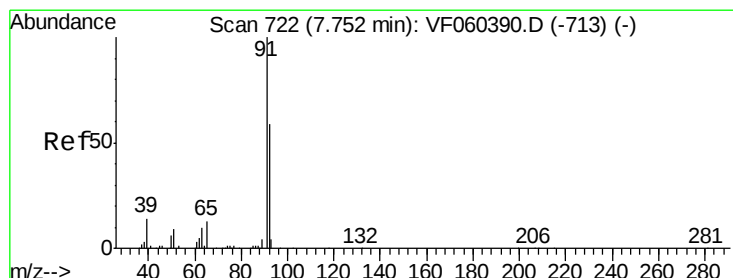
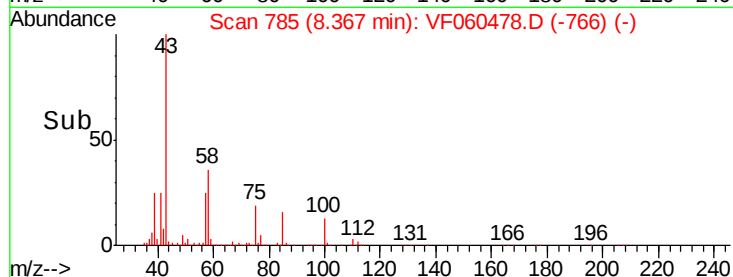
50000

0

8.37

8.20 8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 50.629 ug/l

RT: 7.74 min Scan# 721

Delta R.T. -0.02 min

Lab File: VF060478.D

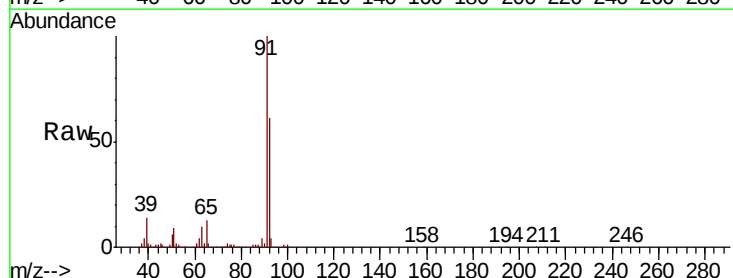
Acq: 8 Oct 2018 10:45

Tgt Ion: 92 Resp: 400961

Ion Ratio Lower Upper

92 100

91 163.4 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

300000

250000

200000

150000

100000

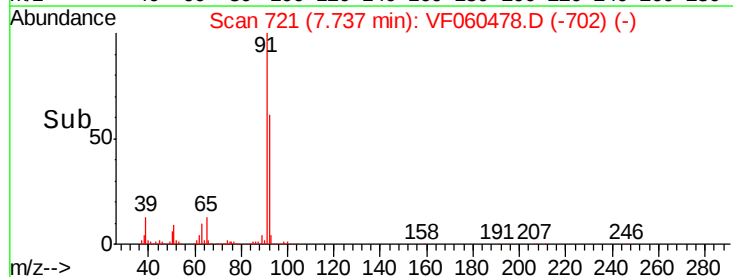
50000

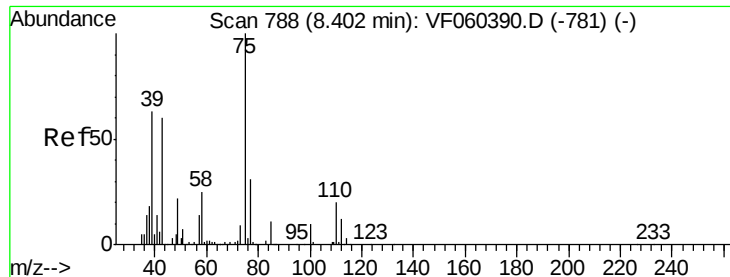
0

7.74

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.548 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 230403

Ion Ratio Lower Upper

75 100

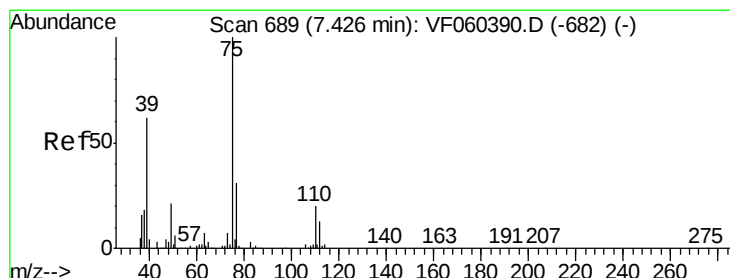
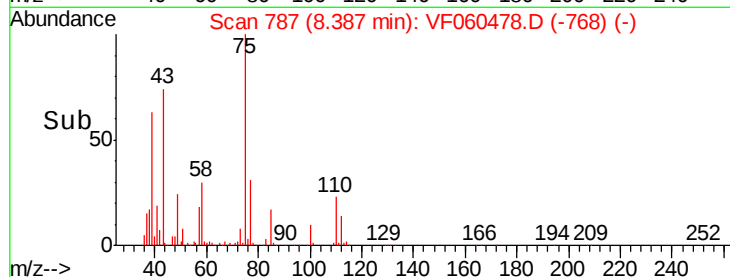
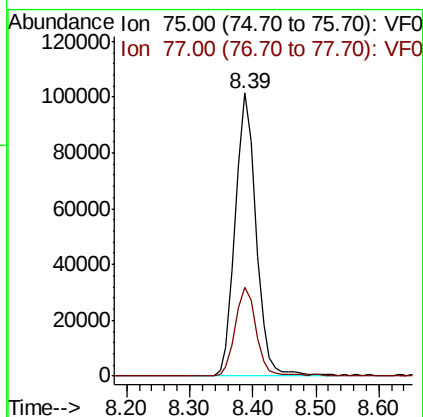
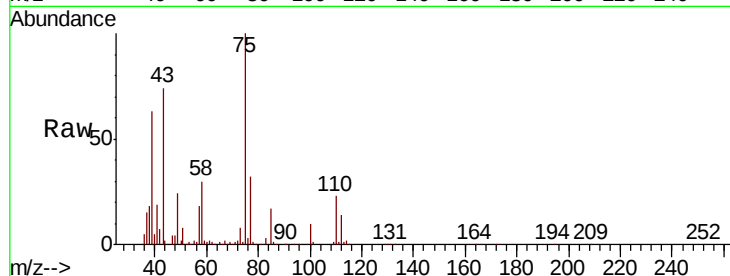
77 31.6 24.6 36.8

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#54

cis-1,3-Dichloropropene

Concen: 49.935 ug/l

RT: 7.42 min Scan# 689

Delta R.T. -0.01 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

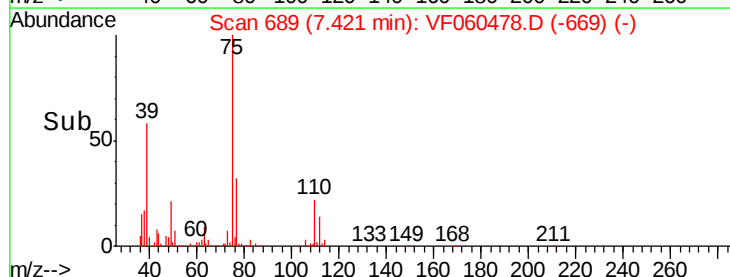
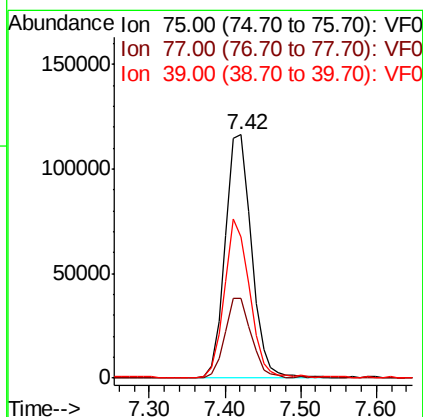
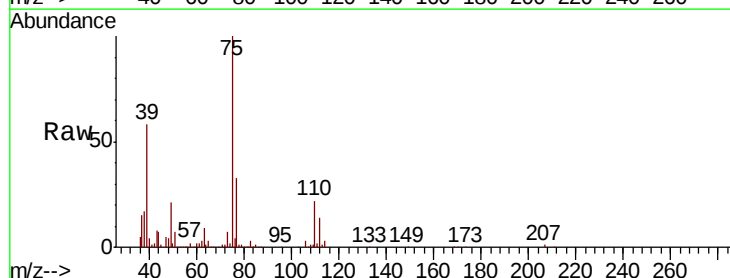
Tgt Ion: 75 Resp: 282794

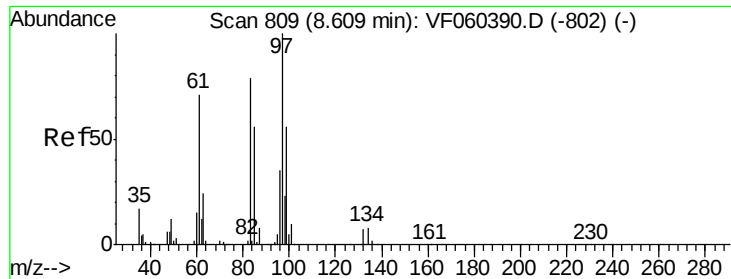
Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8

39 58.0 49.7 74.5





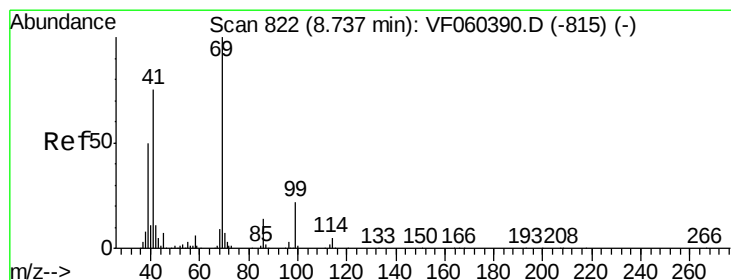
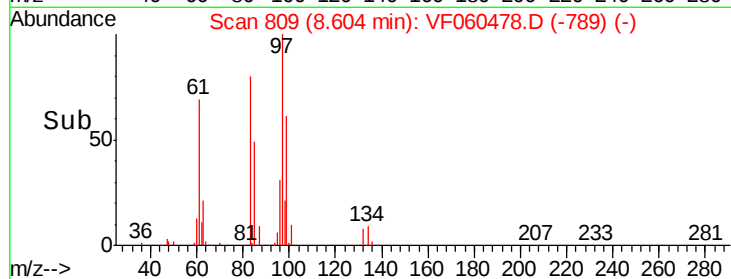
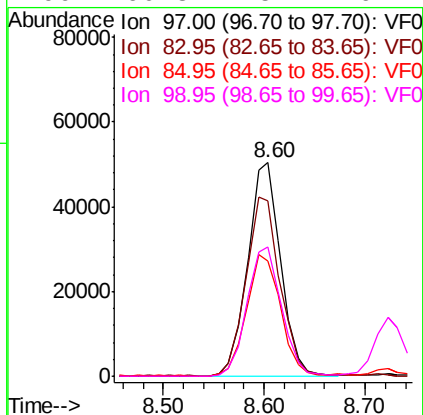
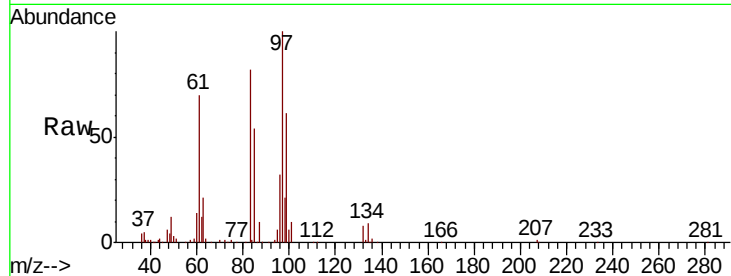
#55
 1,1,2-Trichloroethane
 Concen: 45.938 ug/l
 RT: 8.60 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	115319		
83	82.1	63.4	95.0	
85	53.9	44.5	66.7	
99	60.8	45.1	67.7	

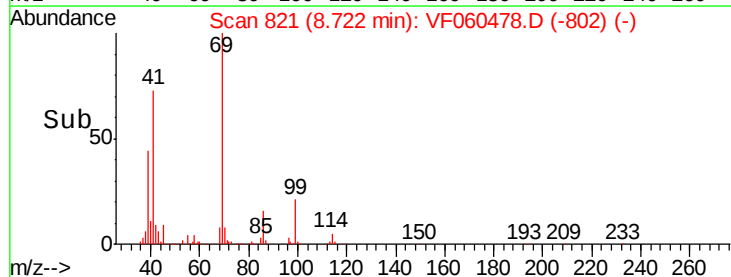
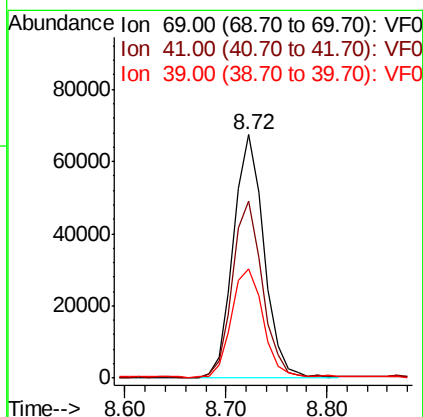
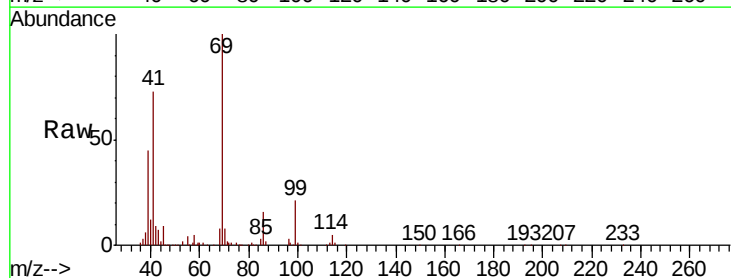
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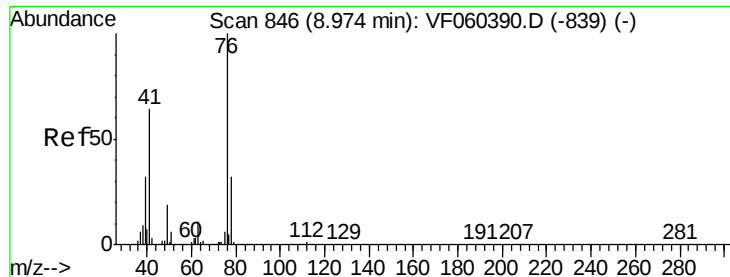
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#56
 Ethyl methacrylate
 Concen: 50.196 ug/l
 RT: 8.72 min Scan# 821
 Delta R.T. -0.02 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	143185		
41	72.8	60.2	90.4	
39	44.8	40.2	60.2	





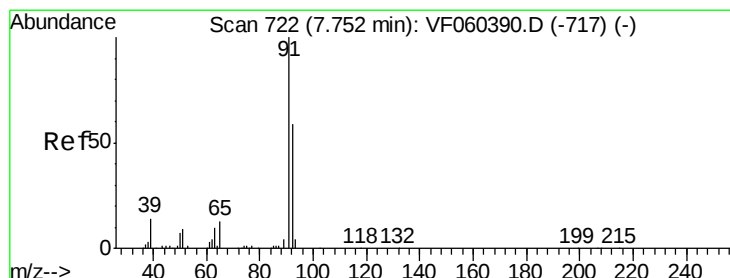
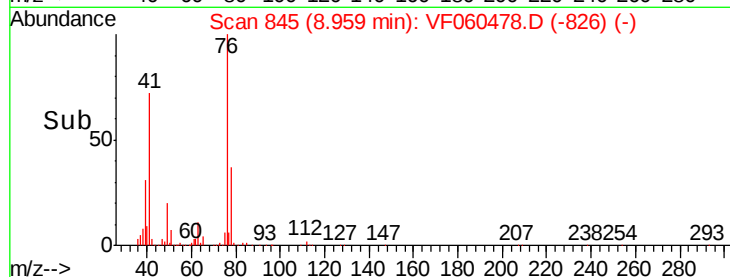
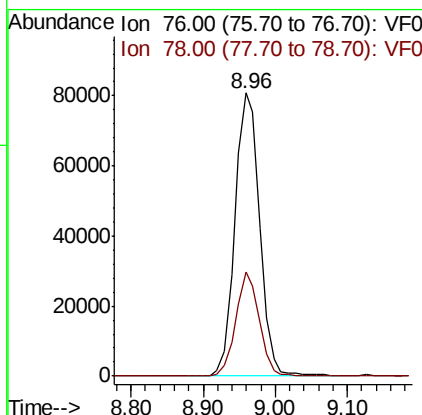
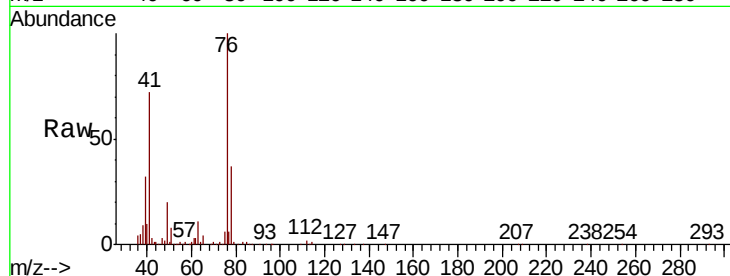
#57
 1,3-Dichloropropane
 Concen: 45.465 ug/l
 RT: 8.96 min Scan# 845
 Delta R.T. -0.02 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	36.8	25.3	37.9

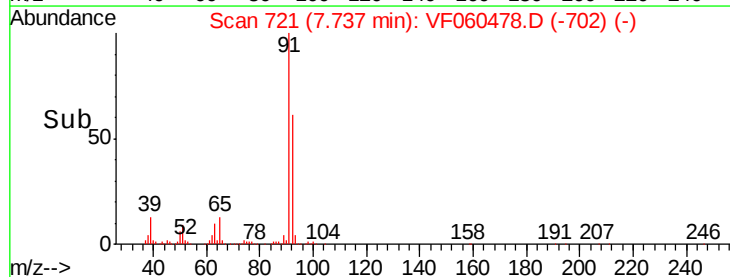
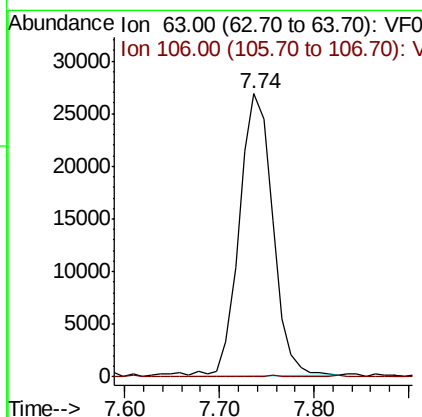
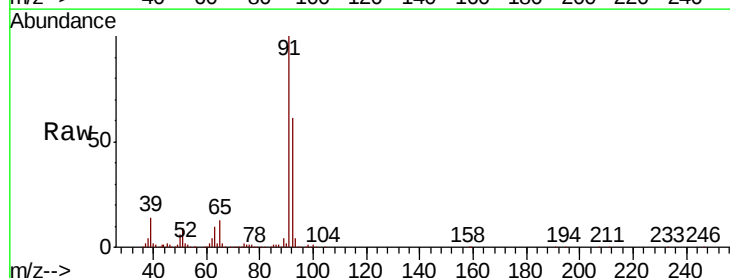
Manual Integrations
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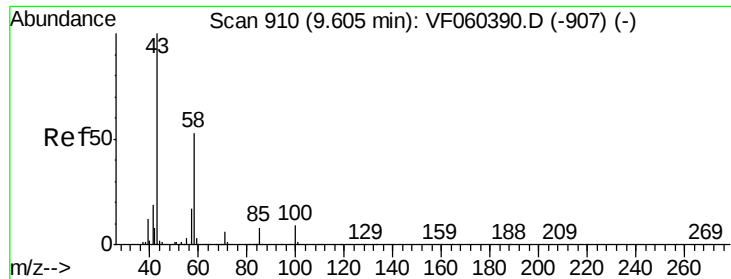
apatel
 10/9/2018 8:53:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.404 ug/l
 RT: 7.74 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





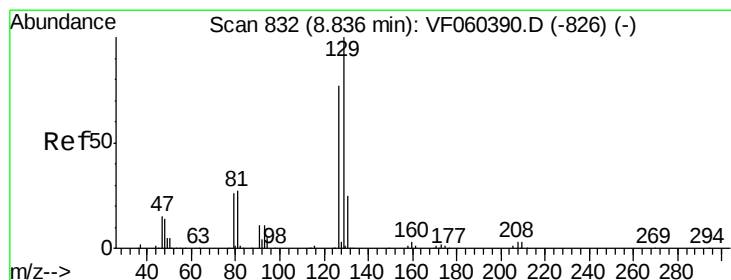
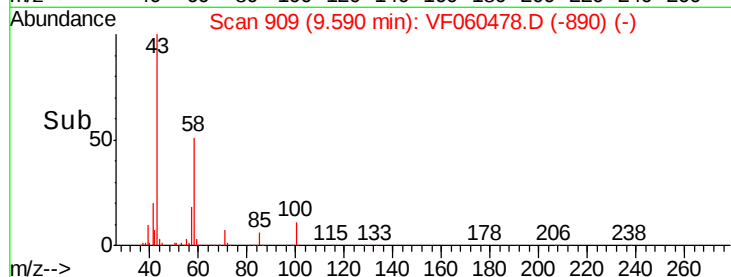
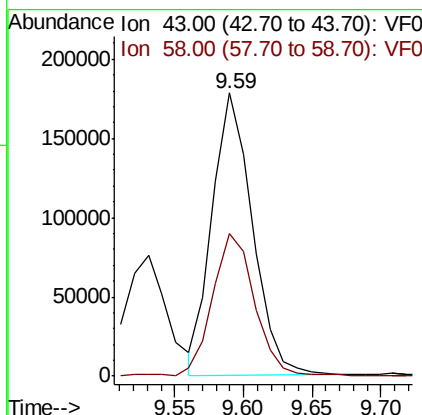
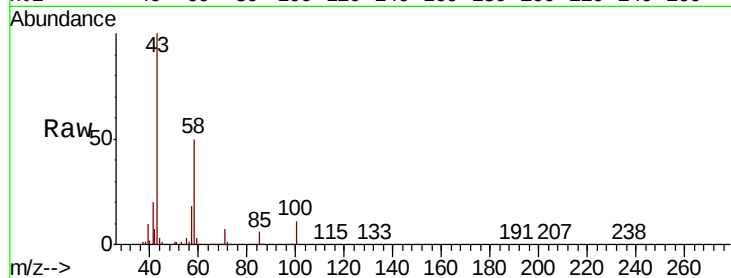
#59
2-Hexanone
Concen: 253.550 ug/l
RT: 9.59 min Scan# 909
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 359833
Ion Ratio Lower Upper
43 100
58 50.3 25.6 76.6

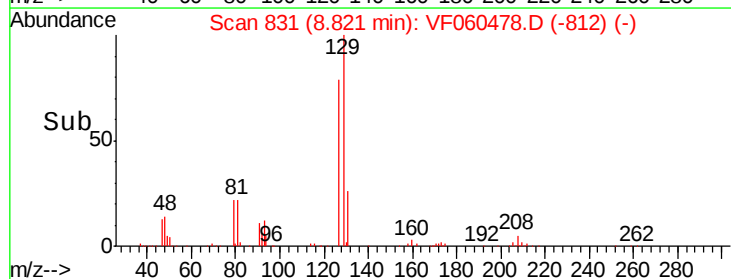
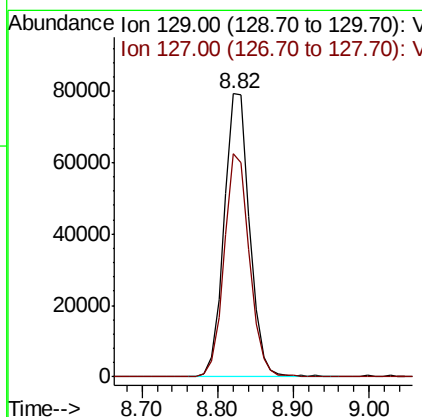
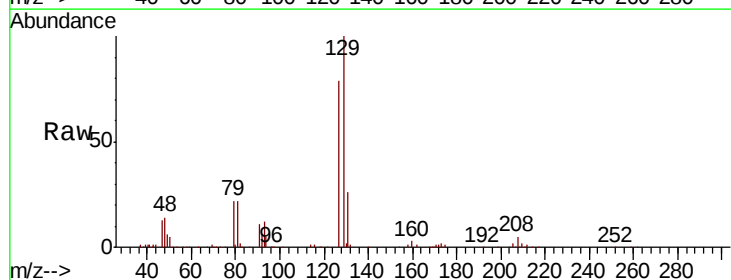
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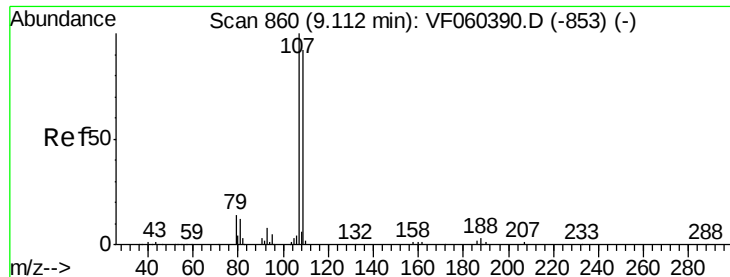
apatel
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#60
Dibromochloromethane
Concen: 48.979 ug/l
RT: 8.82 min Scan# 831
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion: 129 Resp: 185124
Ion Ratio Lower Upper
129 100
127 79.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 48.193 ug/l

RT: 9.10 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 132377

Ion Ratio Lower Upper

107 100

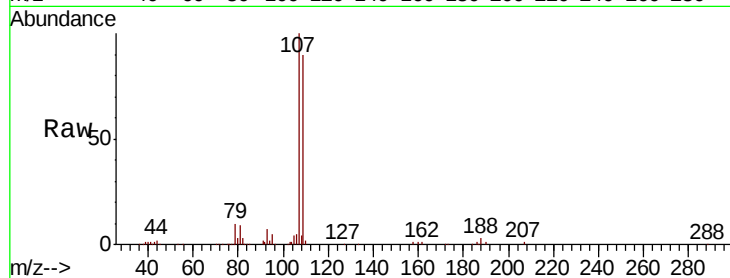
109 90.2 73.7 110.5

Manual Integrations

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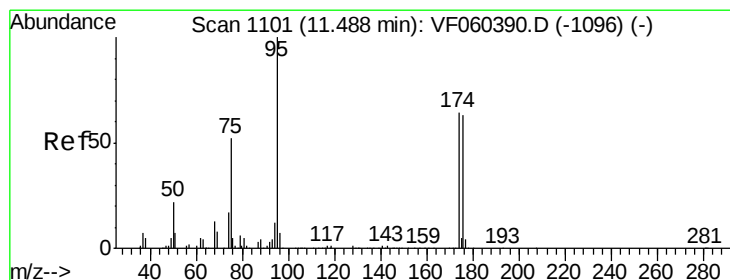
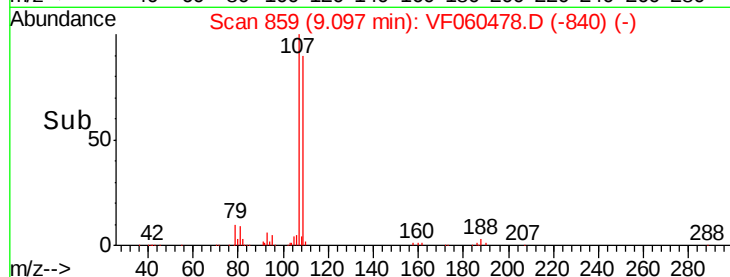
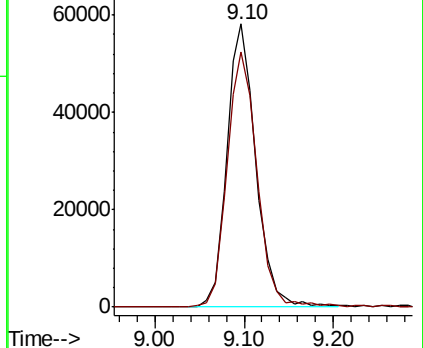
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.430 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

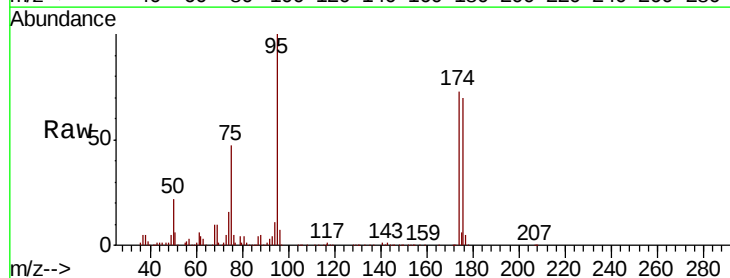
Tgt Ion: 95 Resp: 238691

Ion Ratio Lower Upper

95 100

174 72.5 0.0 129.0

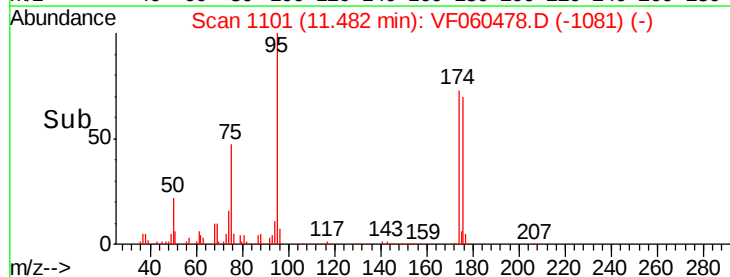
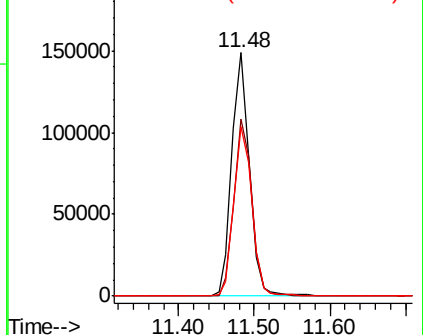
176 69.6 0.0 125.6

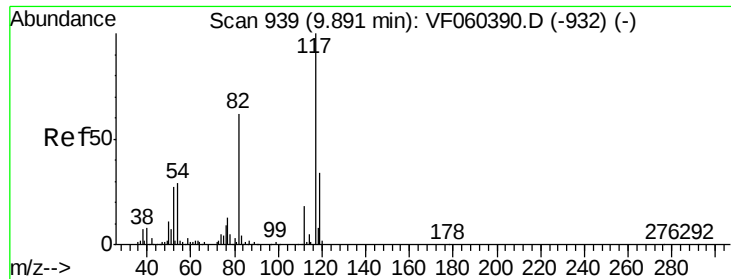


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





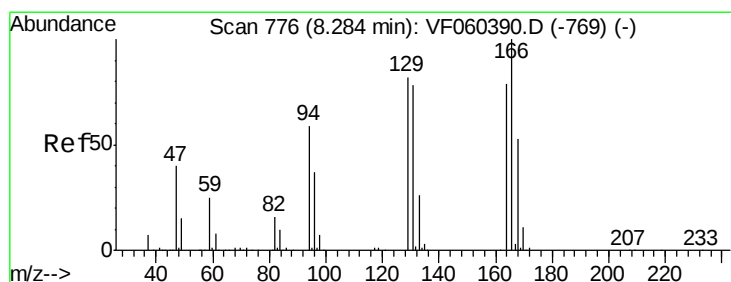
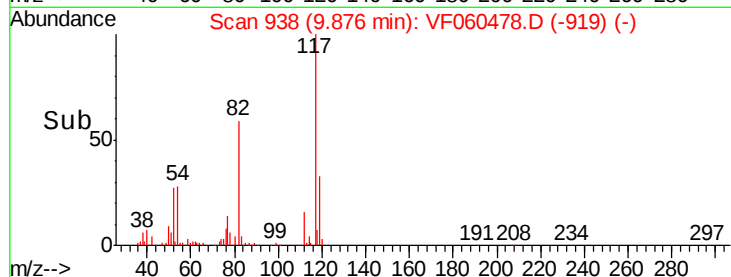
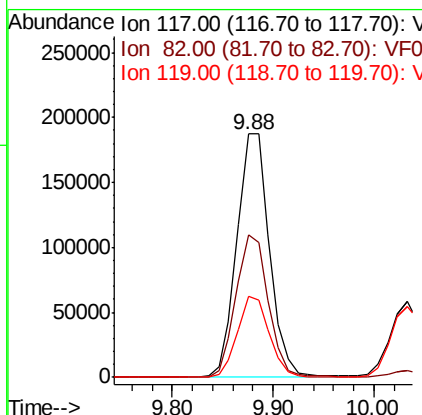
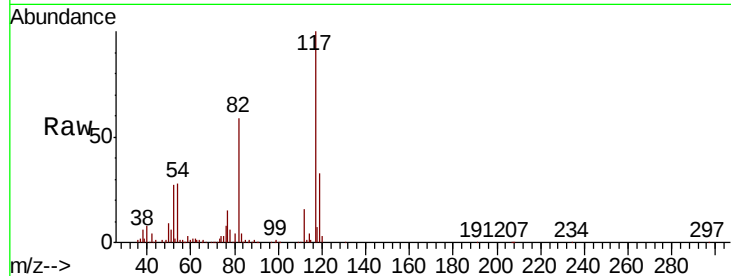
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.6	49.5	74.3
119	33.1	27.0	40.6

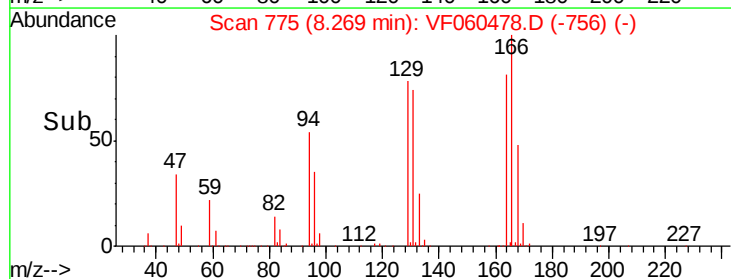
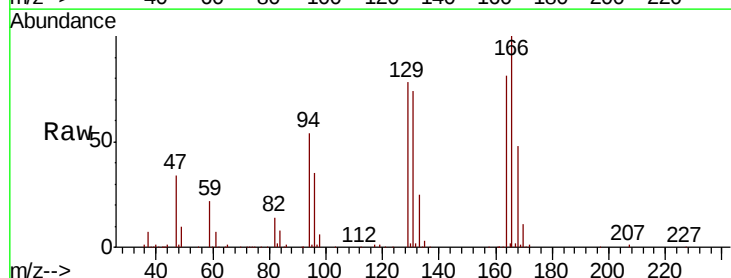
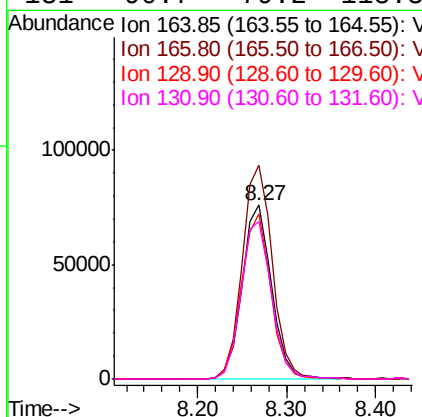
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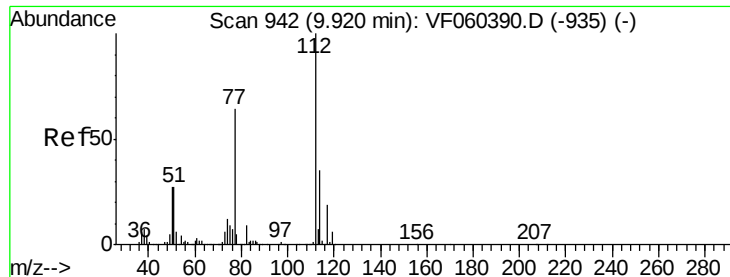
apatel
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#64
Tetrachloroethene
Concen: 51.147 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	101.0	151.6
129	95.2	82.5	123.7
131	90.7	79.2	118.8





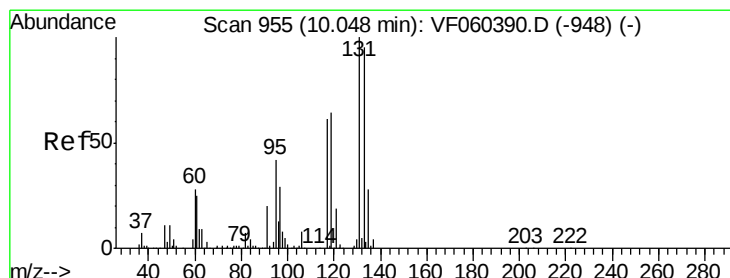
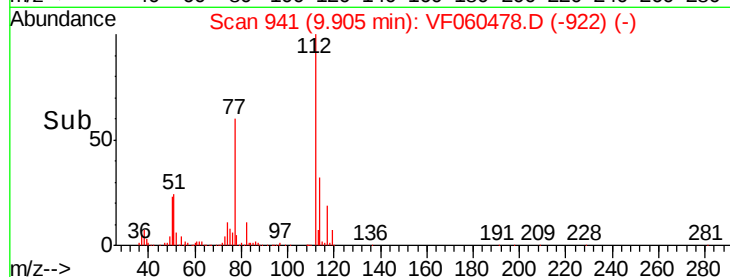
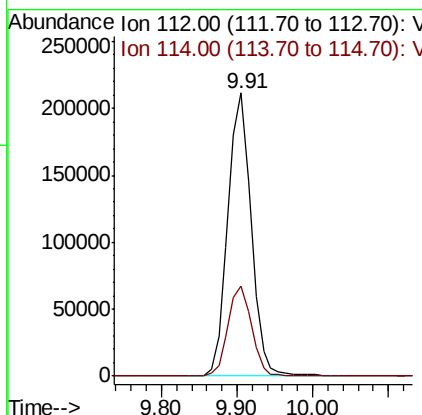
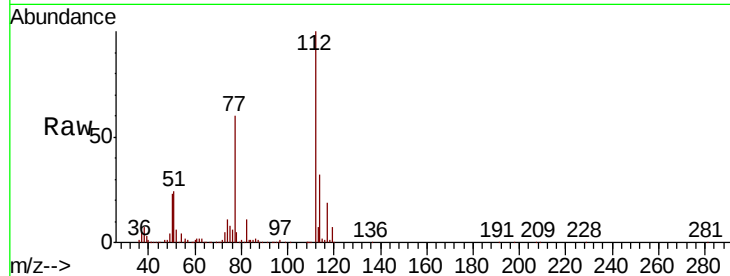
#65
Chlorobenzene
Concen: 51.975 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 453722
Ion Ratio Lower Upper
112 100
114 32.0 27.7 41.5

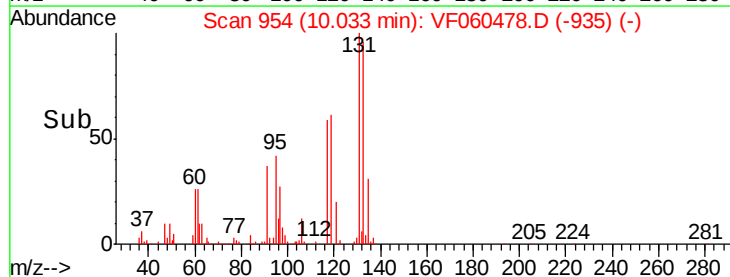
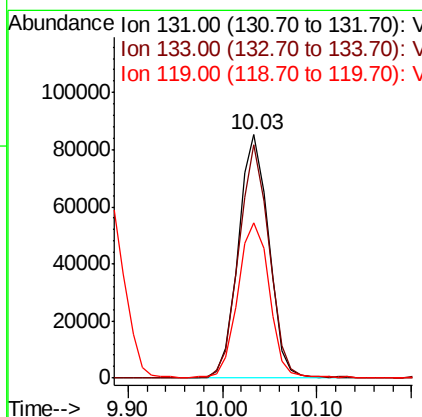
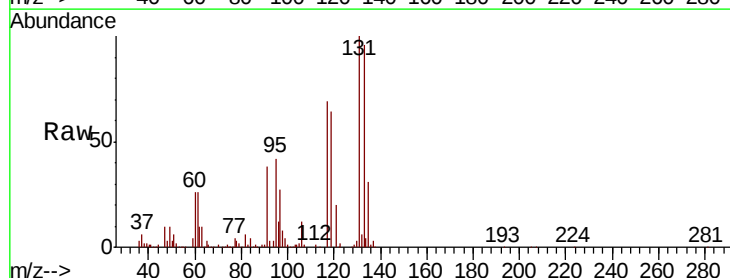
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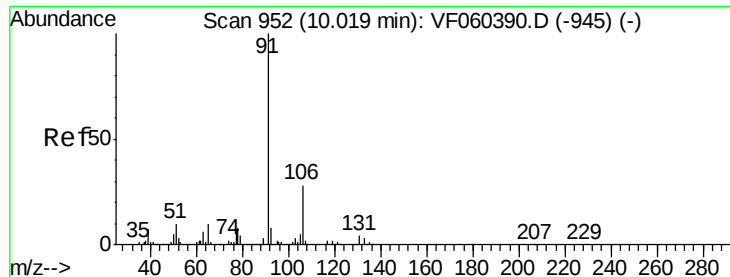
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.960 ug/l
RT: 10.03 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion:131 Resp: 190432
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 63.9 32.3 96.9





#67

Ethyl Benzene

Concen: 48.684 ug/l

RT: 10.00 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 808082

Ion Ratio Lower Upper

91 100

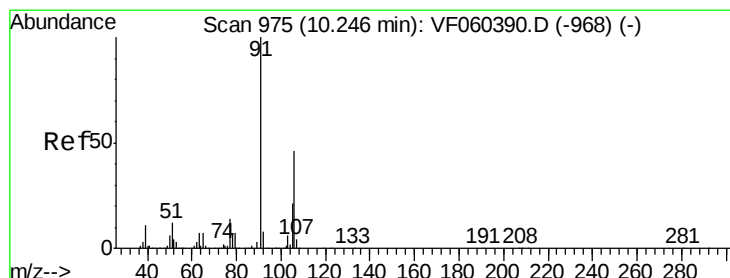
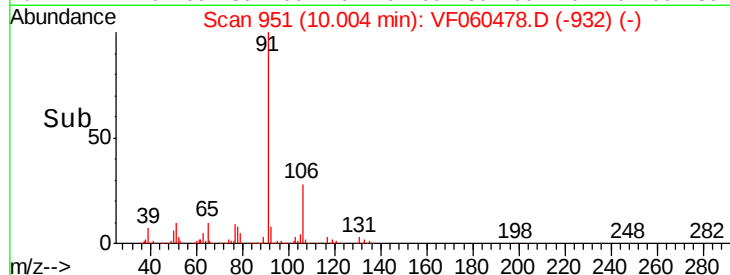
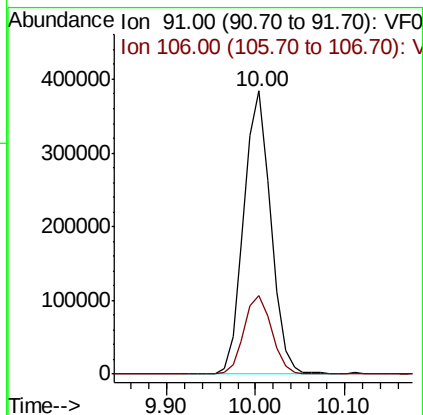
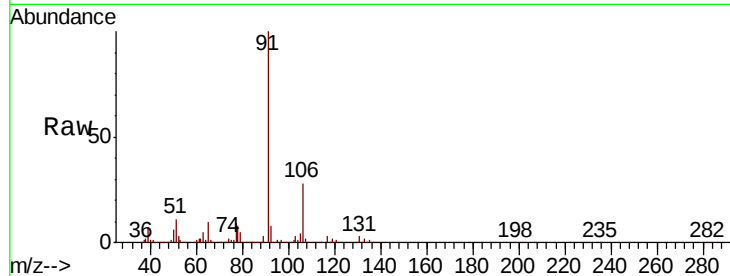
106 27.7 22.5 33.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 98.703 ug/l

RT: 10.23 min Scan# 974

Delta R.T. -0.02 min

Lab File: VF060478.D

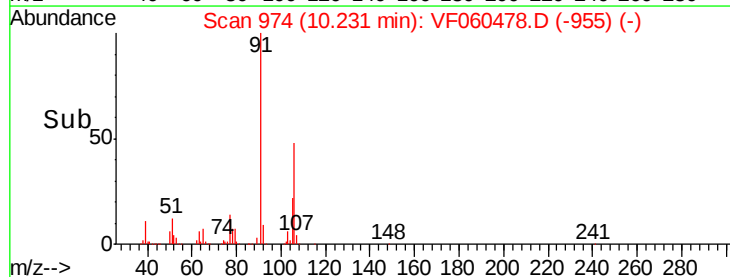
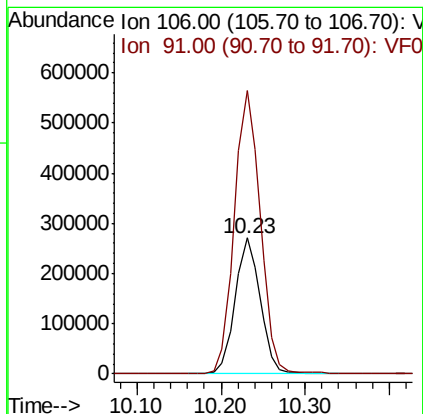
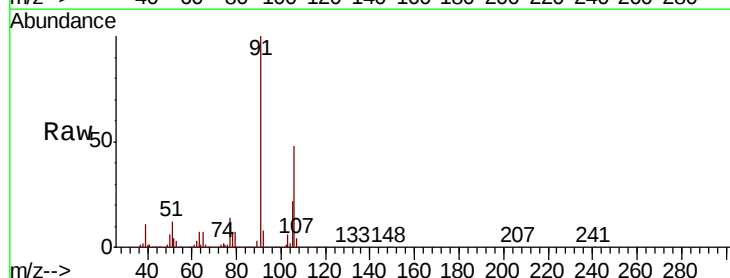
Acq: 8 Oct 2018 10:45

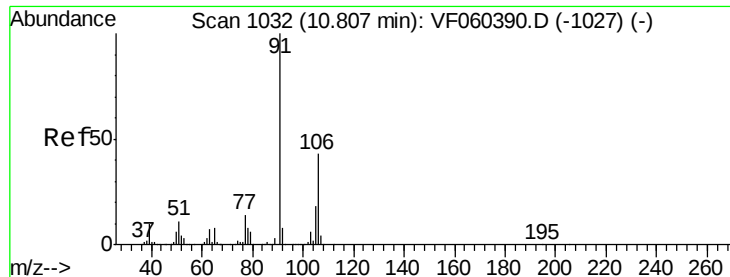
Tgt Ion: 106 Resp: 563199

Ion Ratio Lower Upper

106 100

91 208.6 175.0 262.6





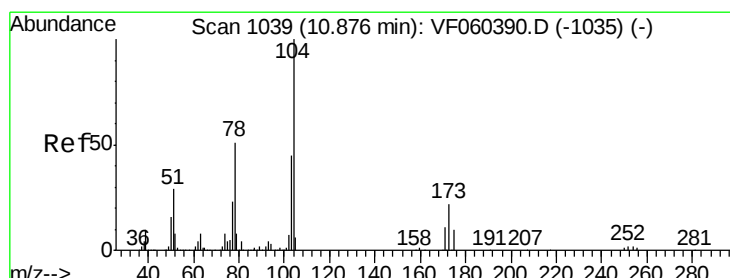
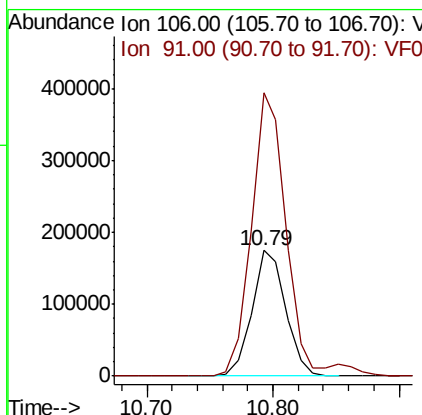
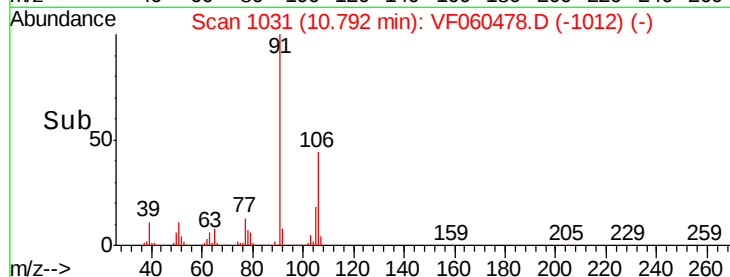
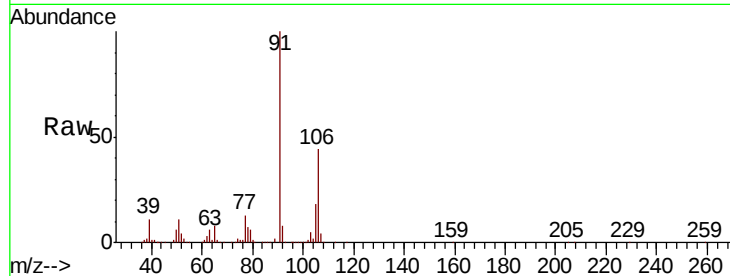
#69
o-Xylene
Concen: 52.279 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 325155
Ion Ratio Lower Upper
106 100
91 225.0 115.1 345.2

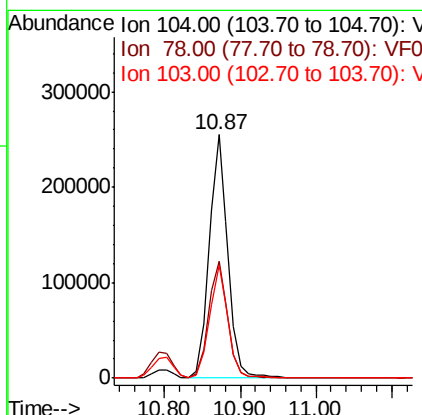
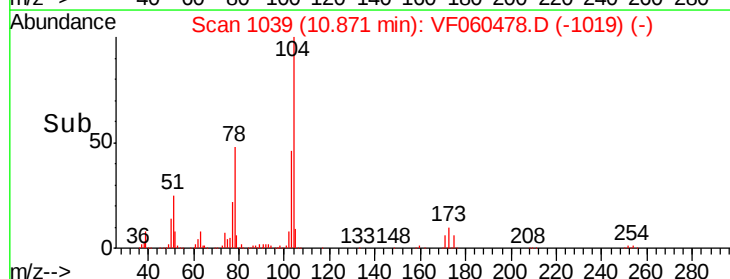
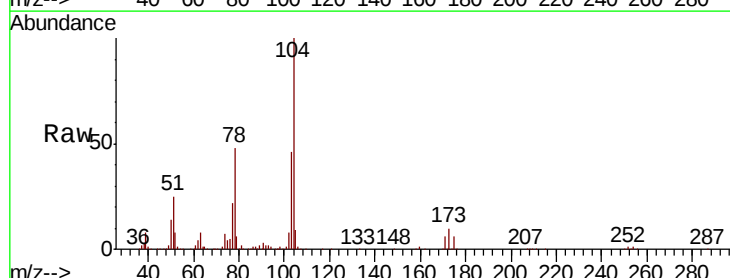
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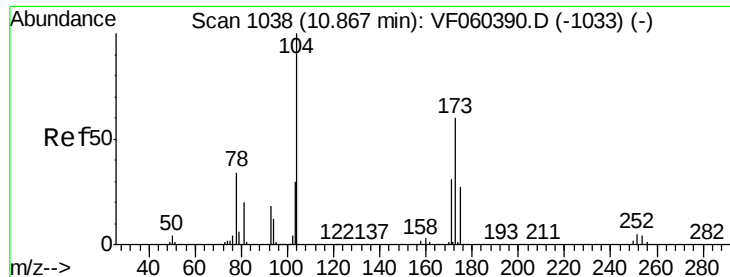
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#70
Styrene
Concen: 49.268 ug/l
RT: 10.87 min Scan# 1039
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion:104 Resp: 435864
Ion Ratio Lower Upper
104 100
78 48.1 41.0 61.4
103 46.2 36.4 54.6





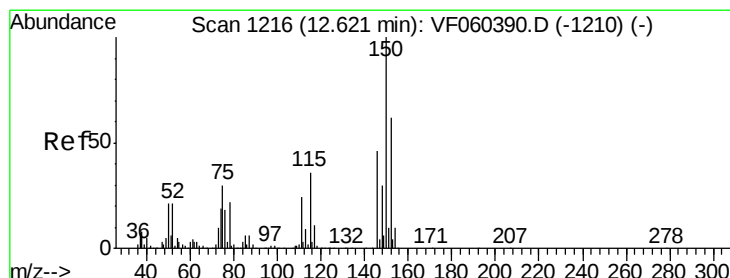
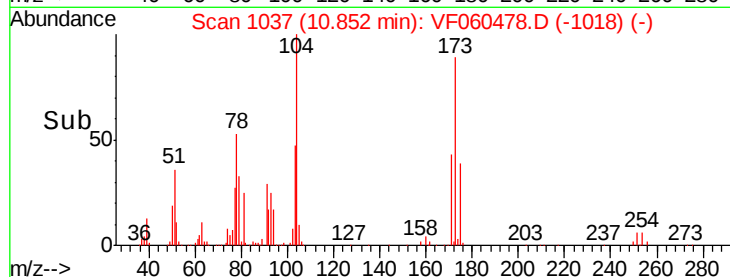
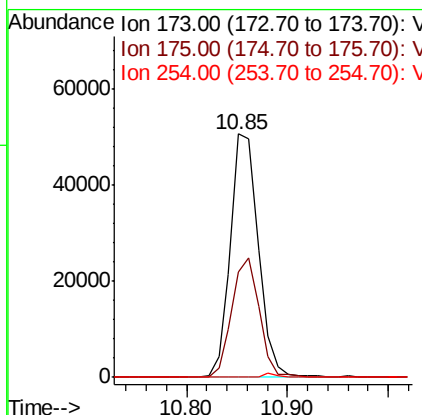
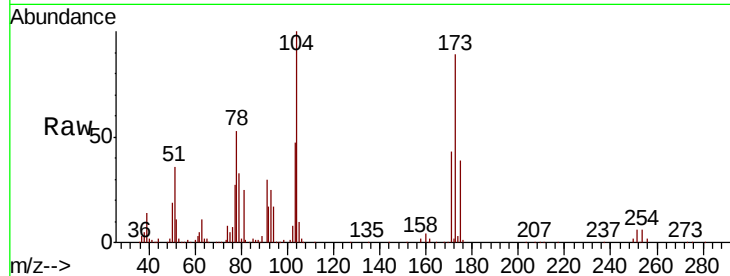
#71
Bromoform
Concen: 48.236 ug/l
RT: 10.85 min Scan# 1037
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	43.4	22.1	66.1
254	0.0	0.0	0.0

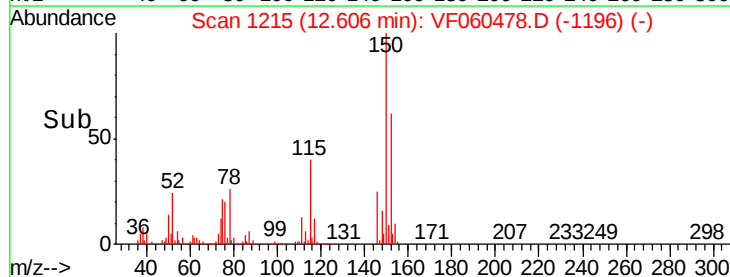
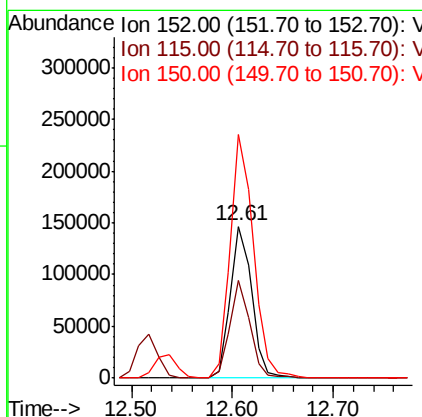
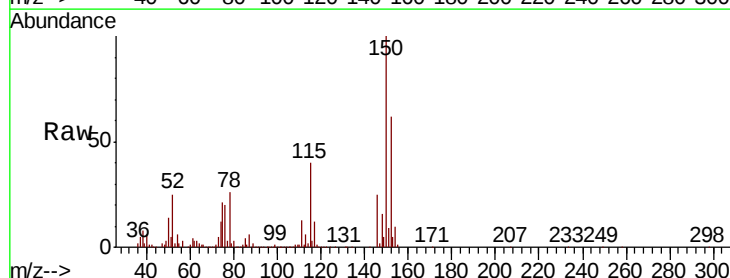
Manual Integrations
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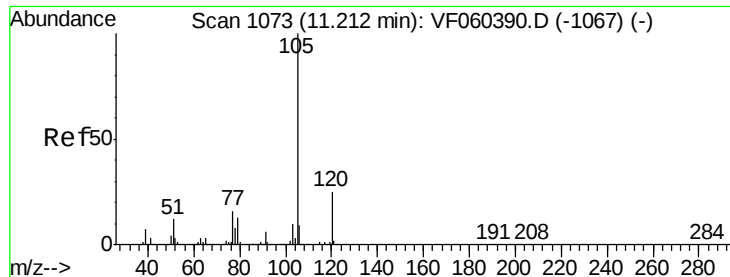
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1215
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	28.6	85.8
150	160.5	0.0	324.6





#73

Isopropylbenzene

Concen: 54.226 ug/l

RT: 11.20 min Scan# 1072

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 929187

Ion Ratio Lower Upper

105 100

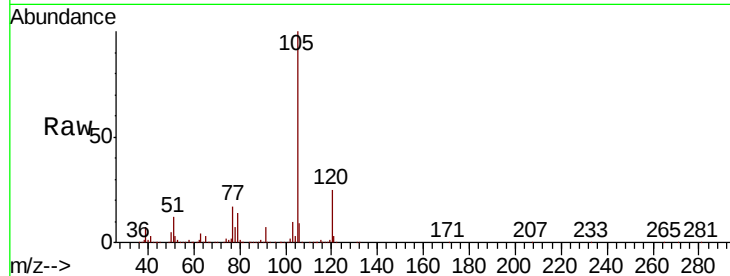
120 25.2 12.3 36.9

Manual Integrations

APPROVED

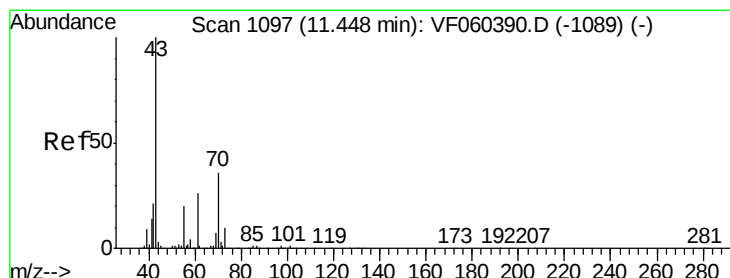
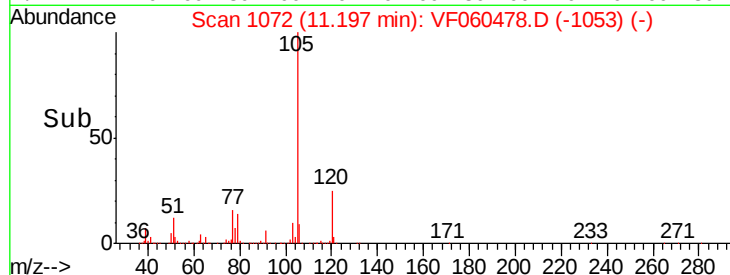
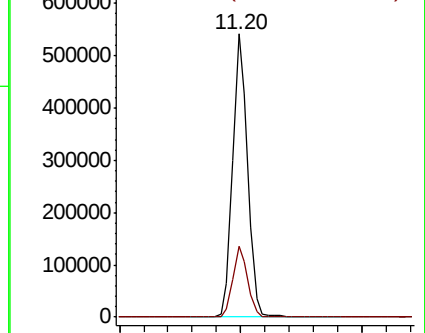
apatel

10/9/2018 8:53:20 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.246 ug/l

RT: 11.43 min Scan# 1096

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Tgt Ion: 43 Resp: 201536

Ion Ratio Lower Upper

43 100

70 37.0 29.1 43.7

55 20.2 16.3 24.5

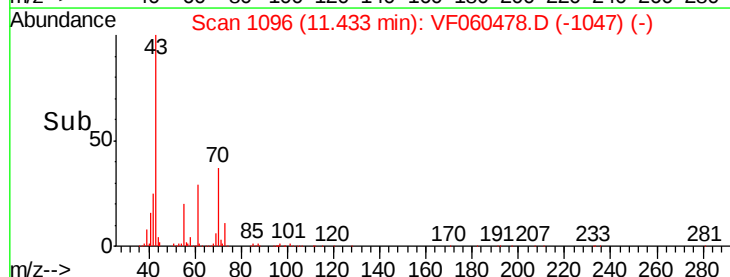
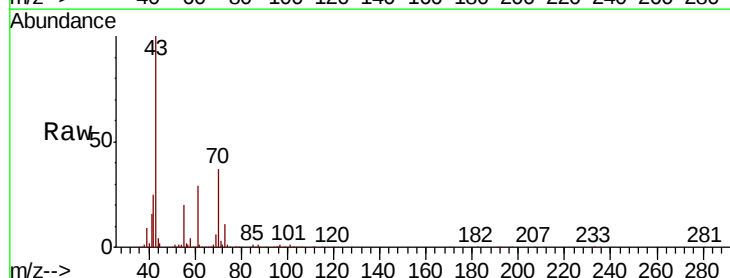
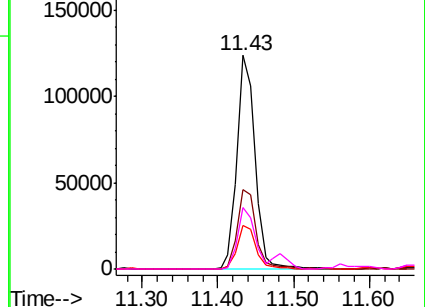
61 28.9 21.0 31.4

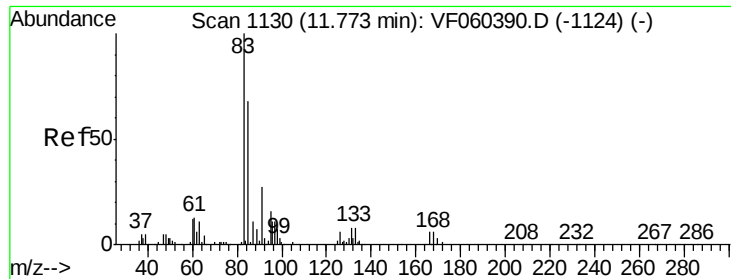
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 52.209 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

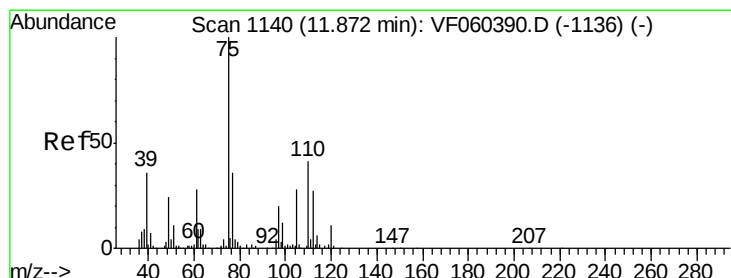
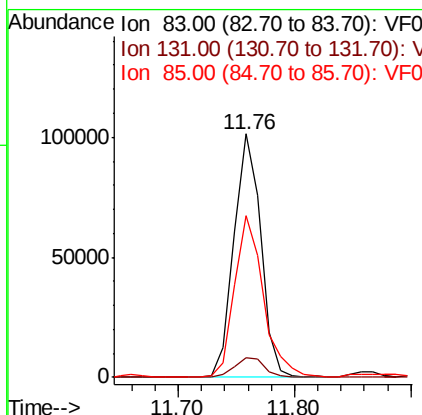
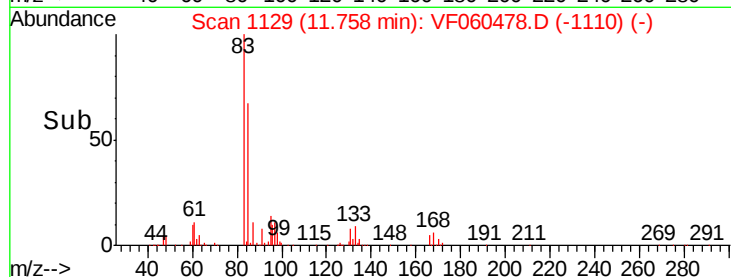
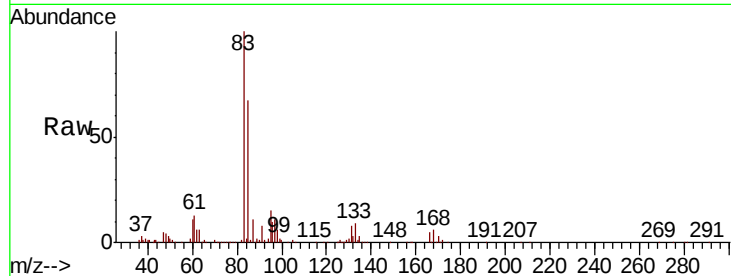
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	163104
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.0	12.0
85	66.6	34.0	102.0

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#76

1,2,3-Trichloropropane

Concen: 50.003 ug/l

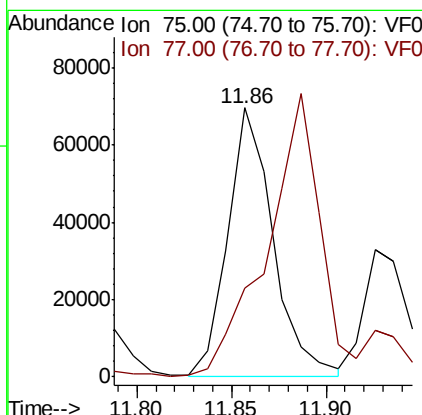
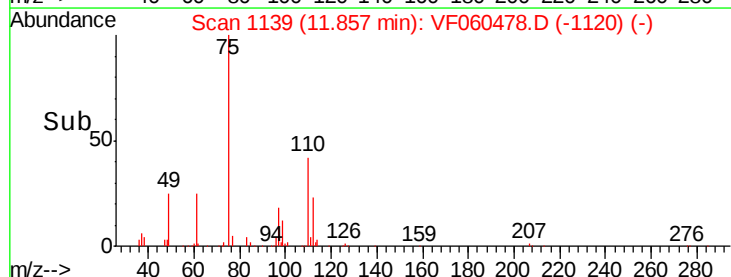
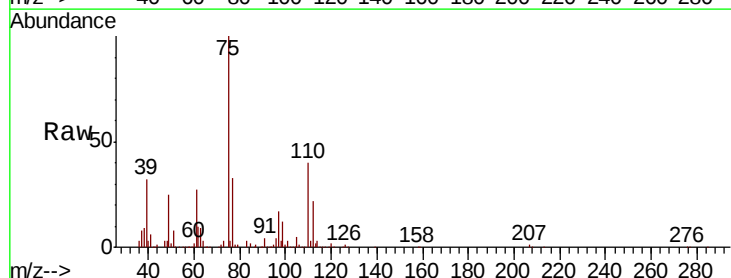
RT: 11.86 min Scan# 1139

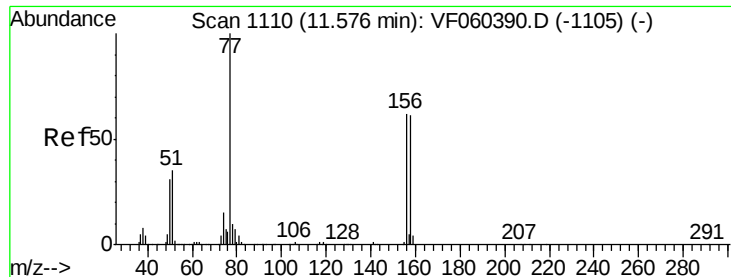
Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Tgt Ion:	75	Resp:	115003
Ion Ratio	Lower	Upper	
75	100		
77	33.2	18.1	54.4





#77

Bromobenzene

Concen: 52.059 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

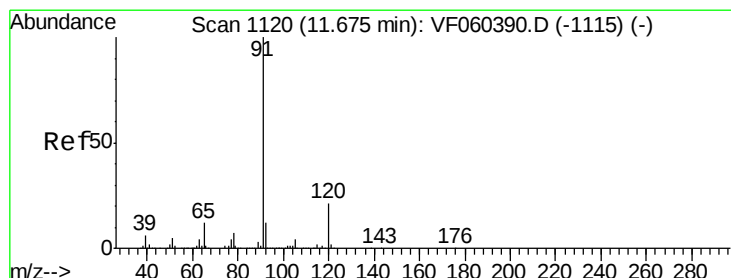
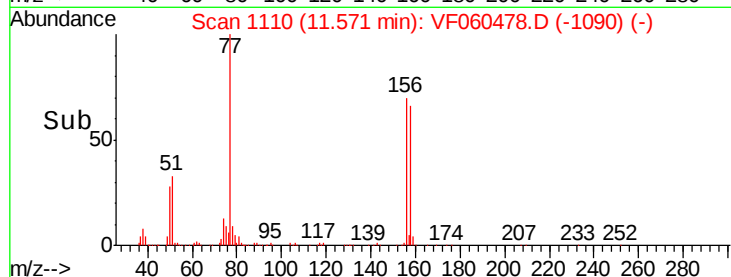
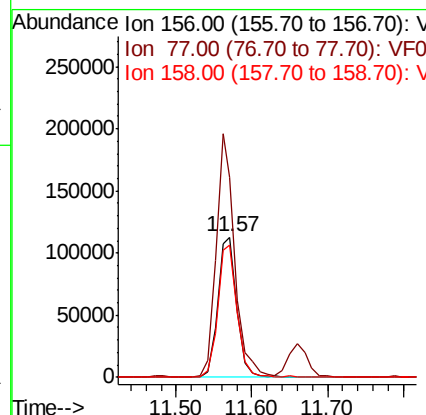
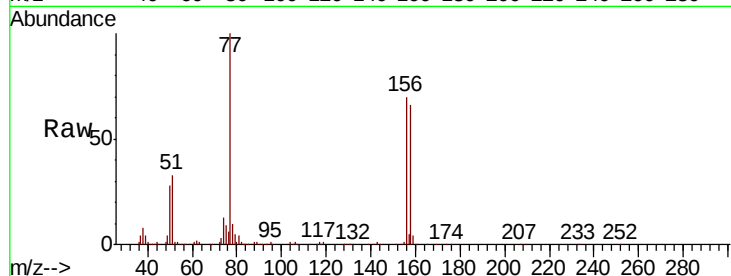
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	199408		
77	143.2	81.3	243.9	
158	94.1	49.6	149.0	

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#78

n-propylbenzene

Concen: 51.222 ug/l

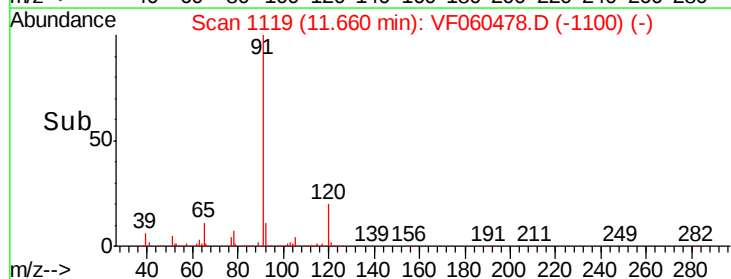
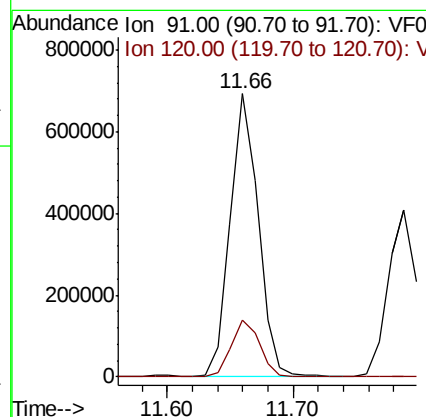
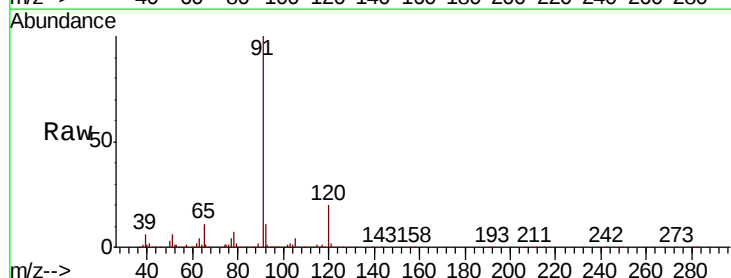
RT: 11.66 min Scan# 1119

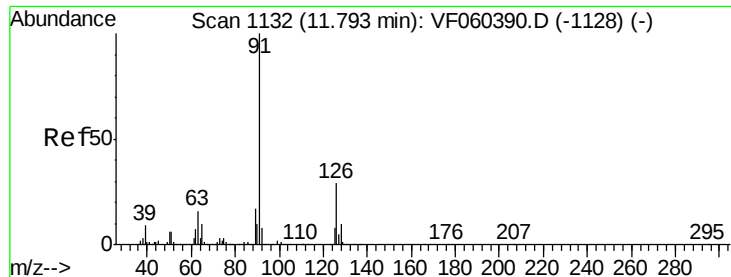
Delta R.T. -0.02 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1064064		
120	20.0	10.5	31.6	





#79

2-Chlorotoluene

Concen: 53.293 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060478.D

Acq: 8 Oct 2018 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 647593

Ion Ratio Lower Upper

91 100

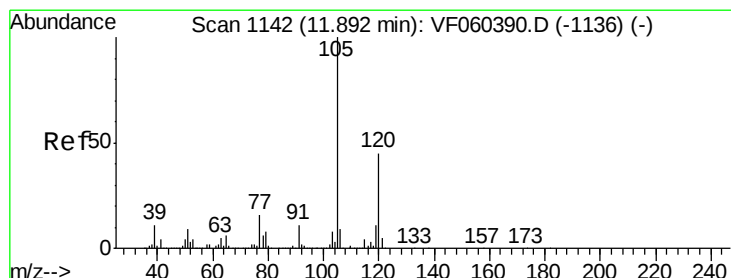
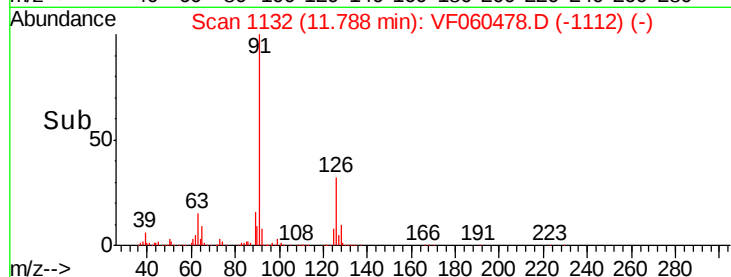
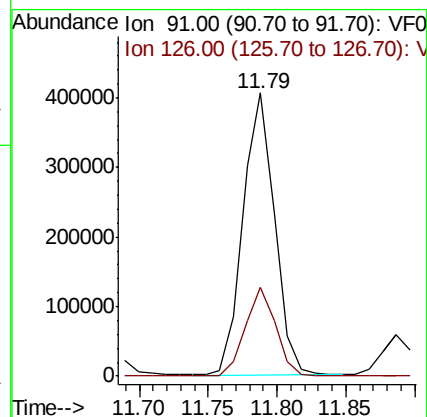
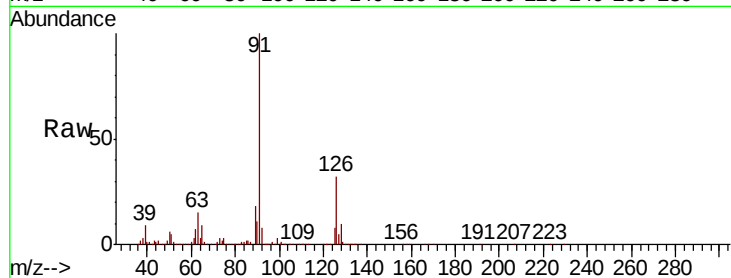
126 31.5 14.4 43.4

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#80

1,3,5-Trimethylbenzene

Concen: 52.595 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060478.D

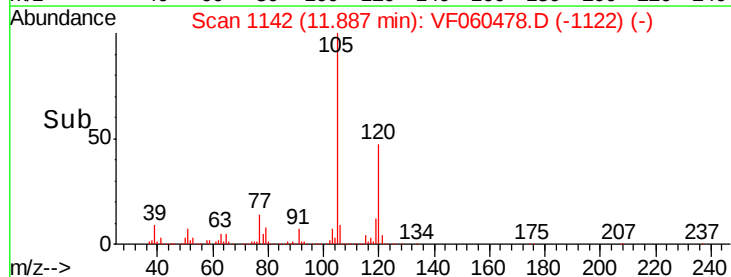
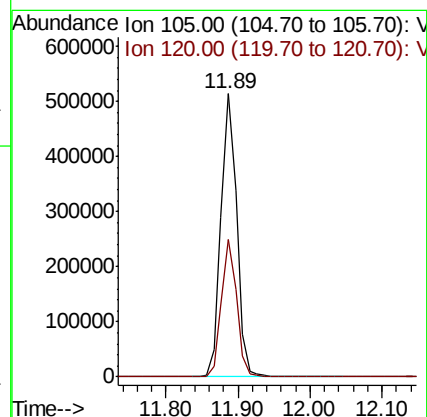
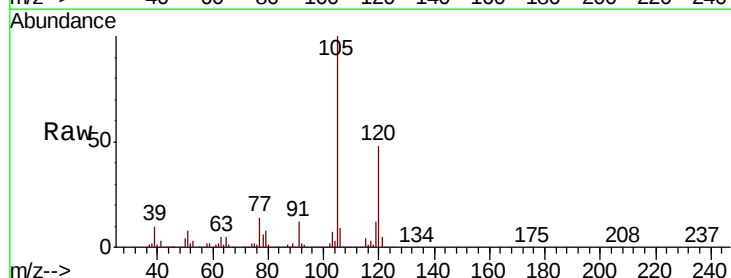
Acq: 8 Oct 2018 10:45

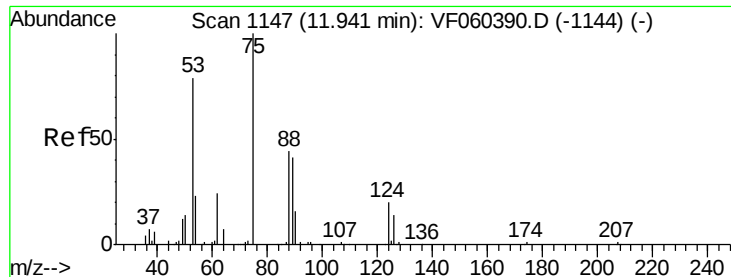
Tgt Ion: 105 Resp: 765710

Ion Ratio Lower Upper

105 100

120 48.4 22.3 66.9





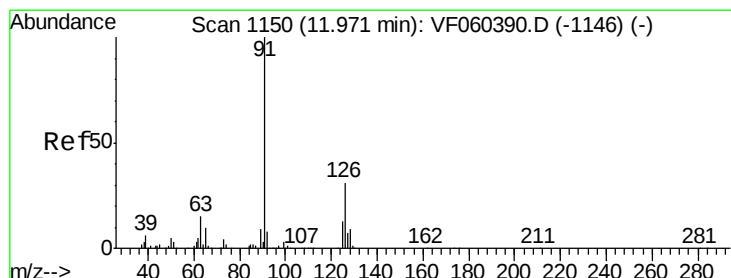
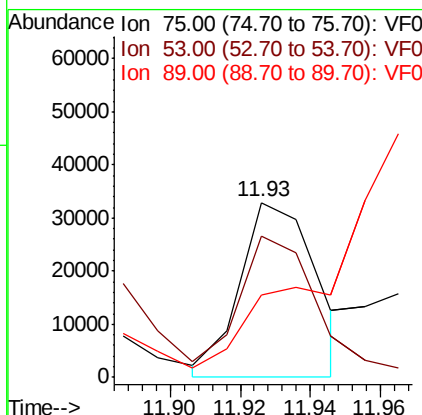
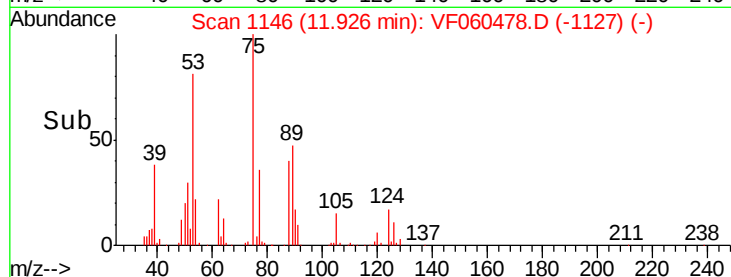
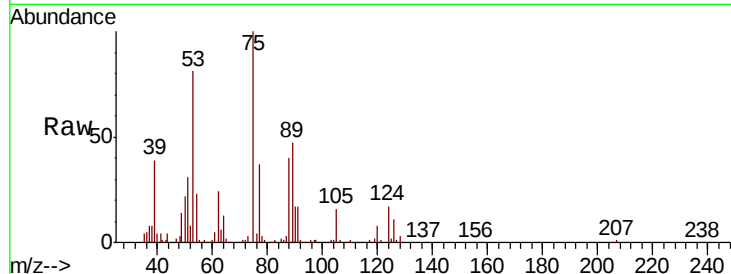
#81
trans-1,4-Dichloro-2-butene
Concen: 48.659 ug/l m
RT: 11.93 min Scan# 1146
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	80.9	67.8	101.8
89	47.1	36.7	55.1

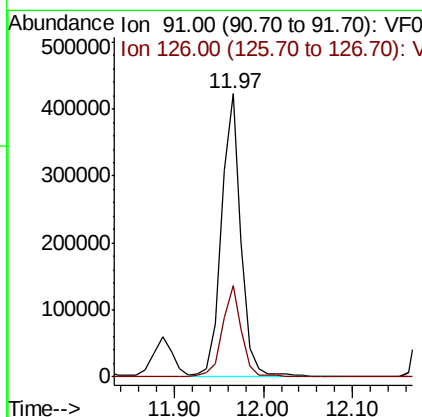
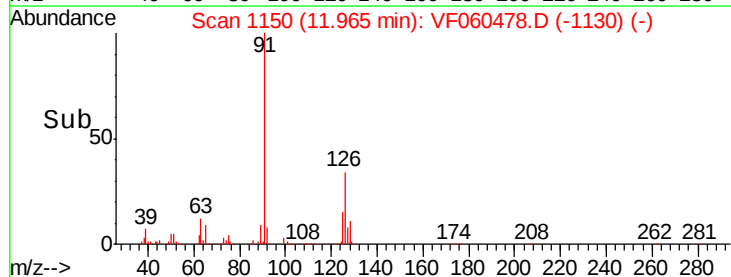
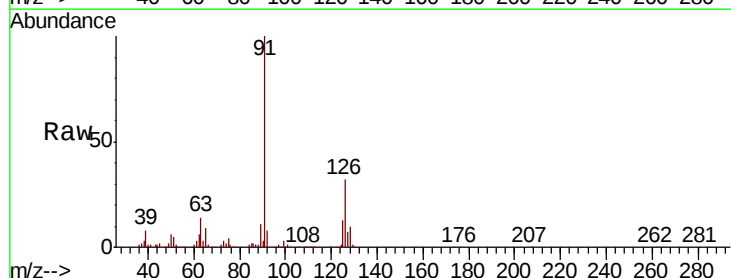
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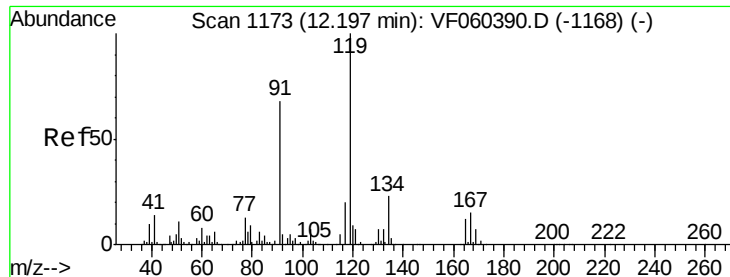
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#82
4-Chlorotoluene
Concen: 51.808 ug/l
RT: 11.97 min Scan# 1150
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.0





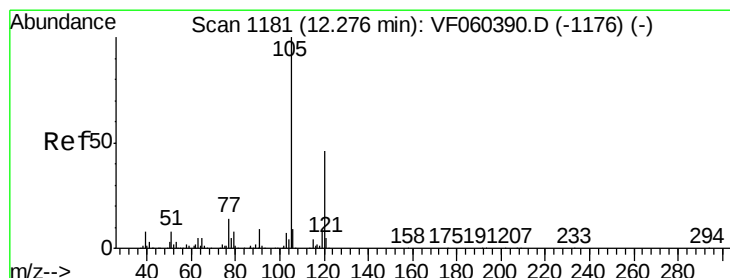
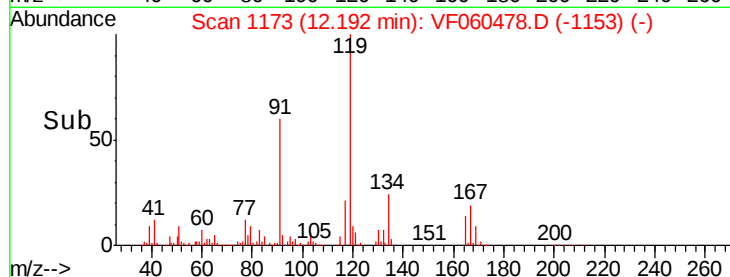
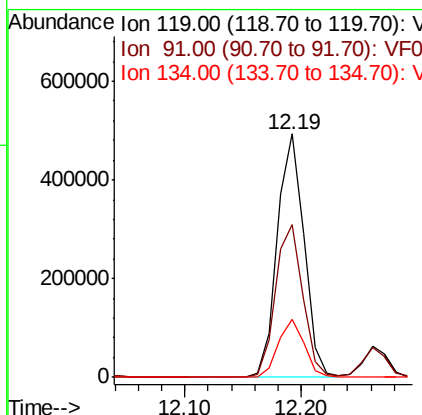
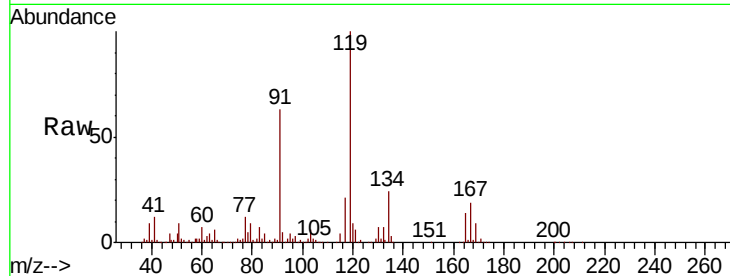
#83
 tert-Butylbenzene
 Concen: 54.555 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.6	34.0	102.0
134	23.6	11.7	35.0

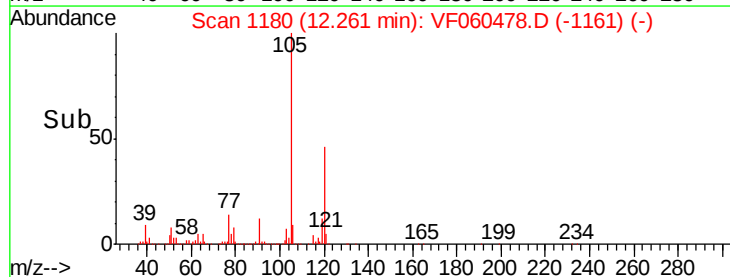
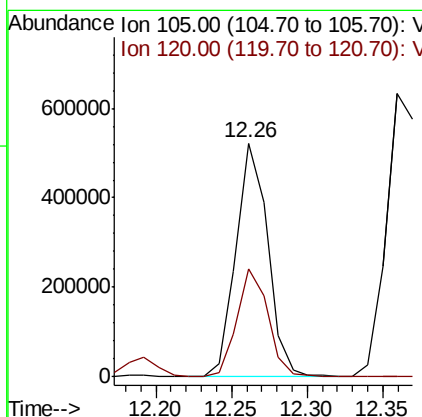
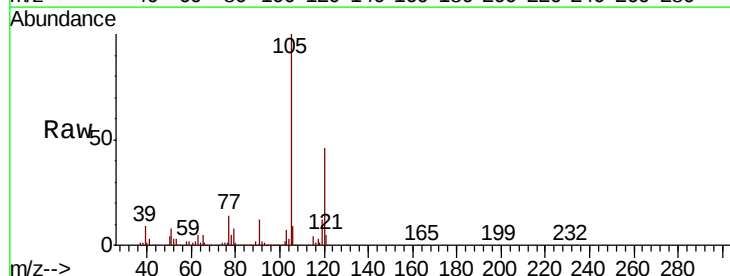
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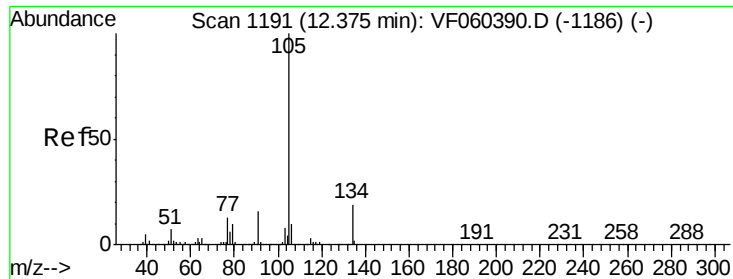
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.049 ug/l
 RT: 12.26 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





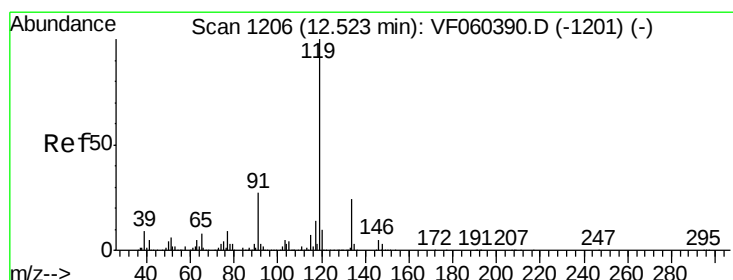
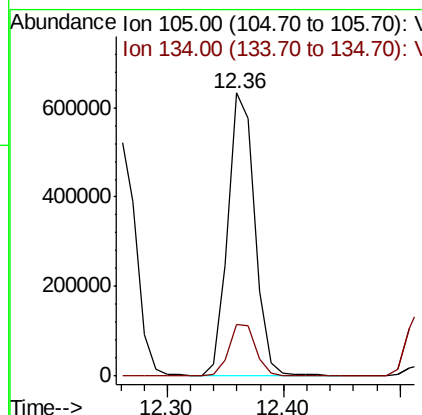
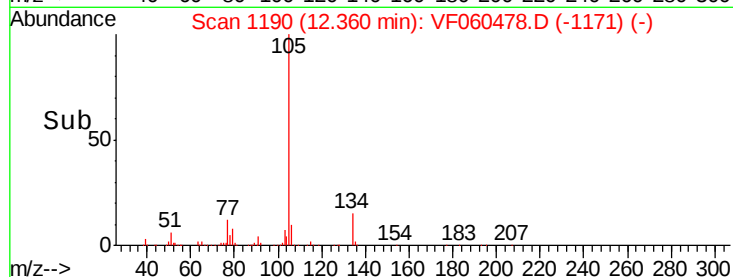
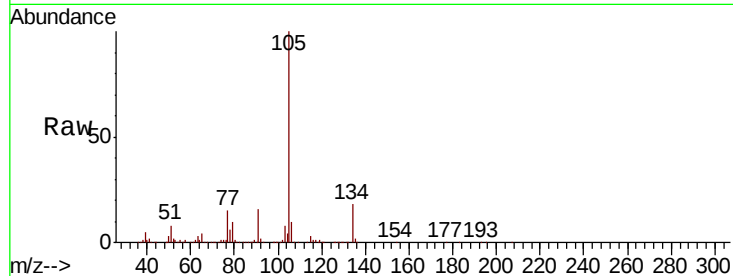
#85
 sec-Butylbenzene
 Concen: 51.062 ug/l
 RT: 12.36 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1012088
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.4 28.3

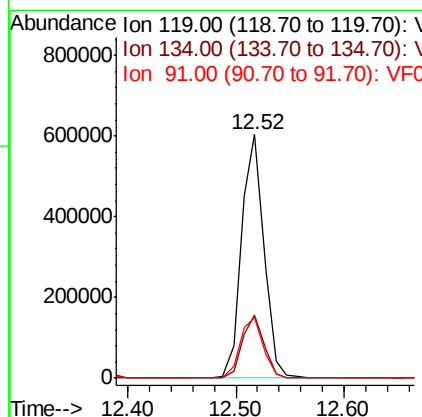
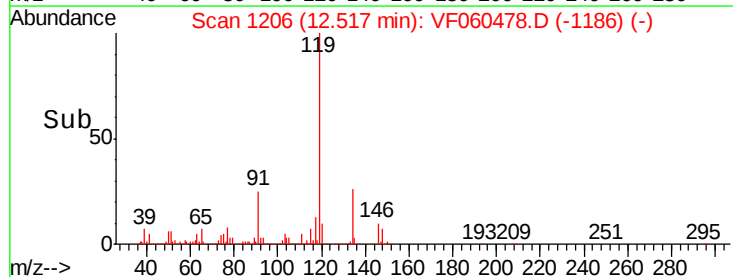
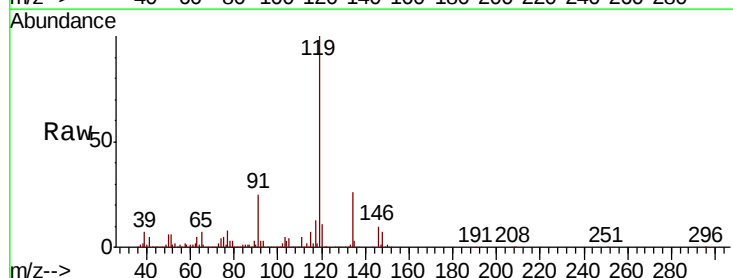
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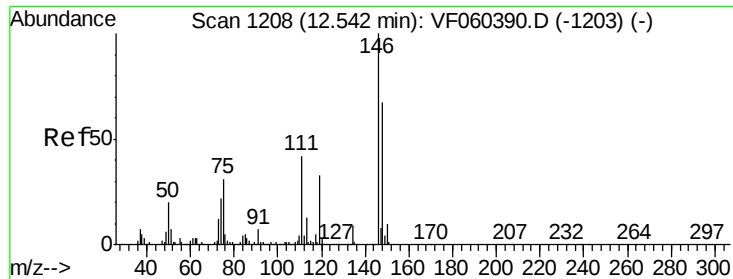
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#86
 p-Isopropyltoluene
 Concen: 53.570 ug/l
 RT: 12.52 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Tgt Ion:119 Resp: 867461
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.3 36.8
 91 25.1 13.5 40.4





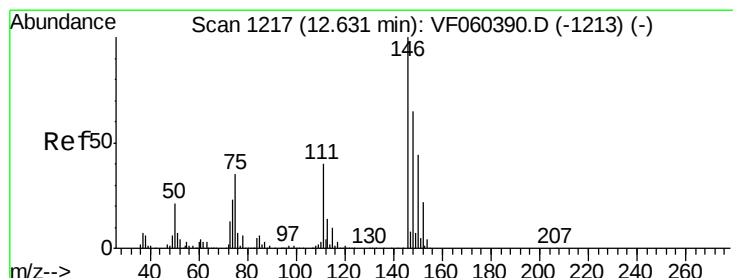
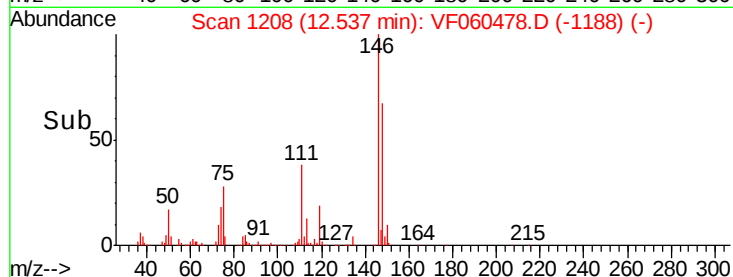
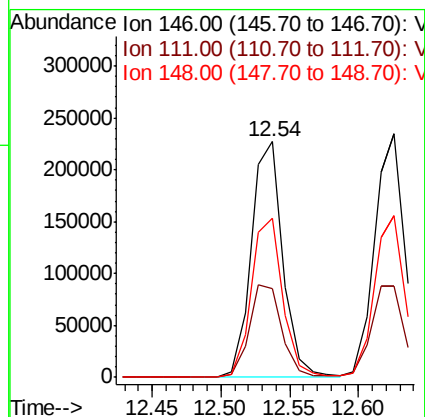
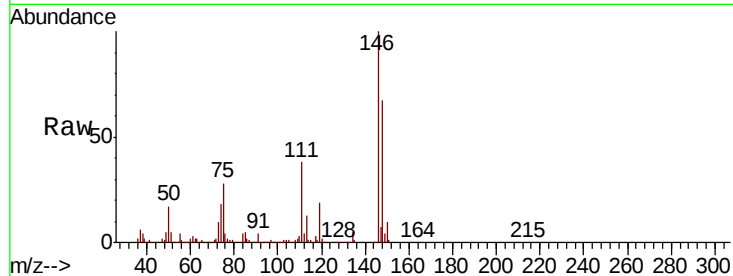
#87
 1,3-Dichlorobenzene
 Concen: 50.576 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.9	62.7
148	67.4	33.6	100.8

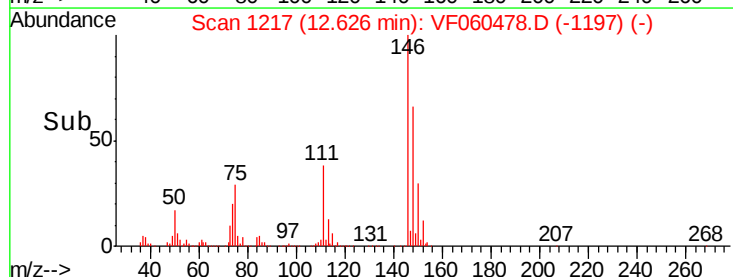
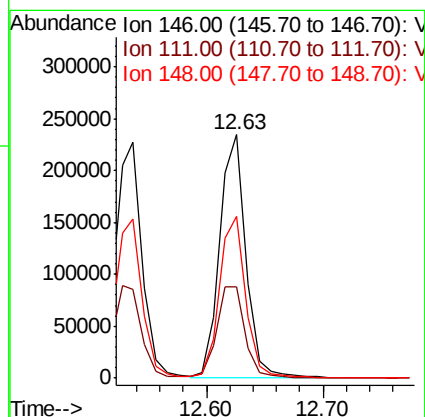
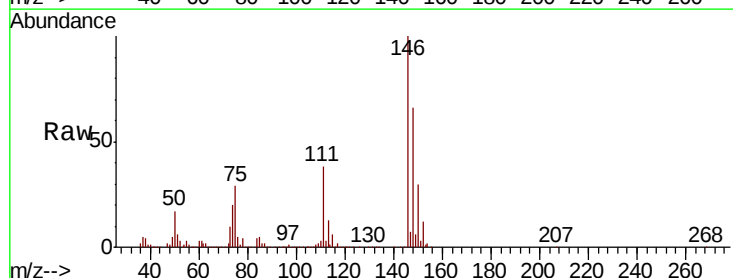
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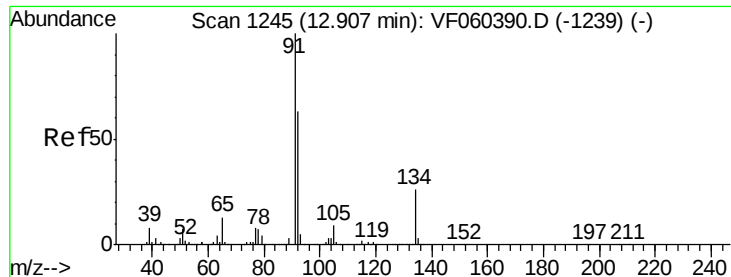
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#88
 1,4-Dichlorobenzene
 Concen: 51.213 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.2	60.6
148	66.2	32.6	97.8





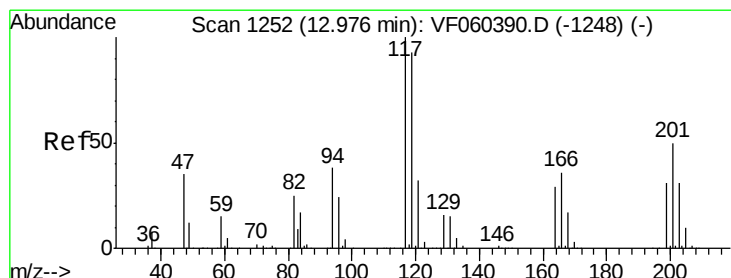
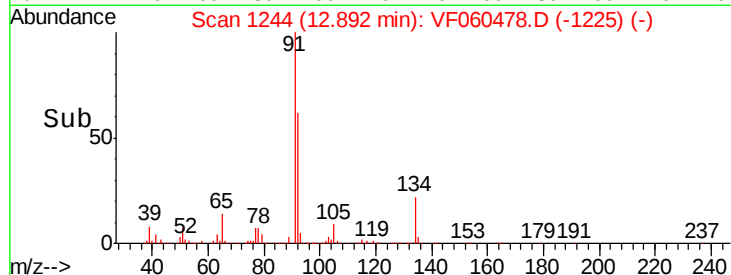
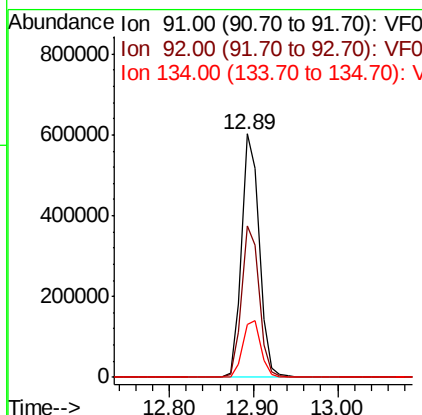
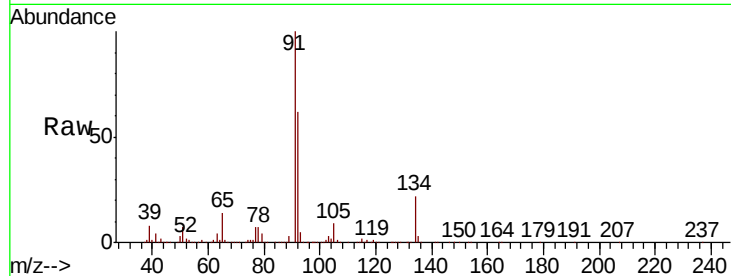
#89
n-Butylbenzene
Concen: 51.657 ug/l
RT: 12.89 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.0	31.3	93.9
134	21.7	13.0	38.9

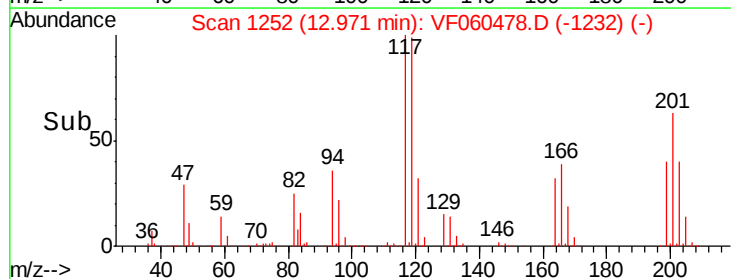
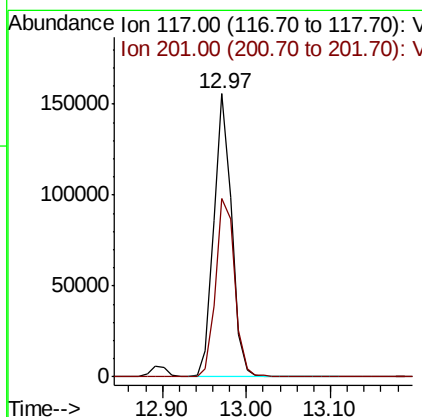
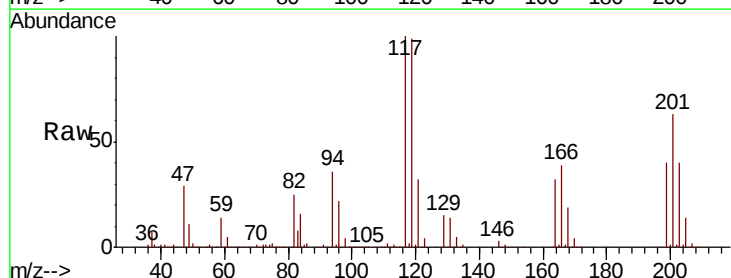
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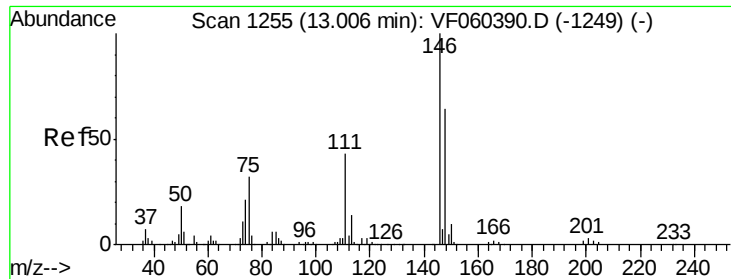
apatel
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#90
Hexachloroethane
Concen: 54.732 ug/l
RT: 12.97 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.9	25.5	76.5





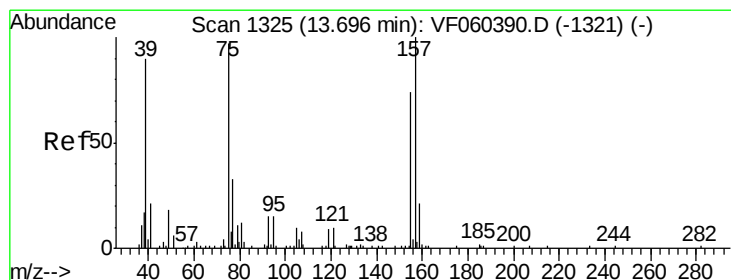
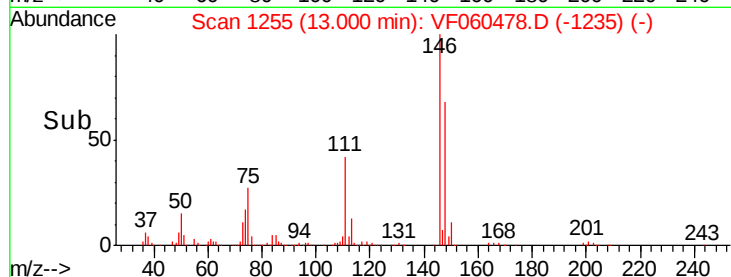
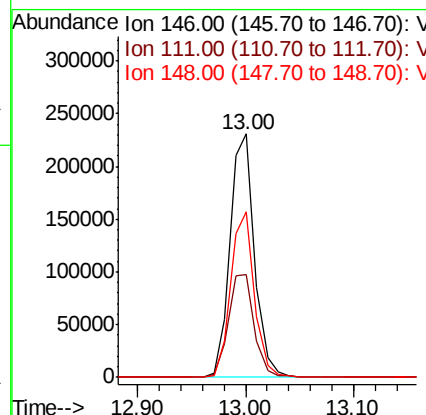
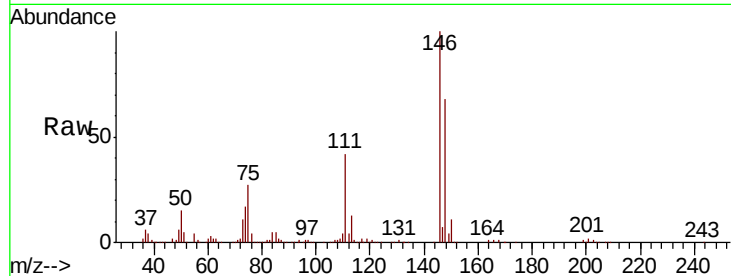
#91
 1,2-Dichlorobenzene
 Concen: 52.601 ug/l
 RT: 13.00 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	363275		
111	42.1	21.3	64.0	
148	68.0	32.2	96.6	

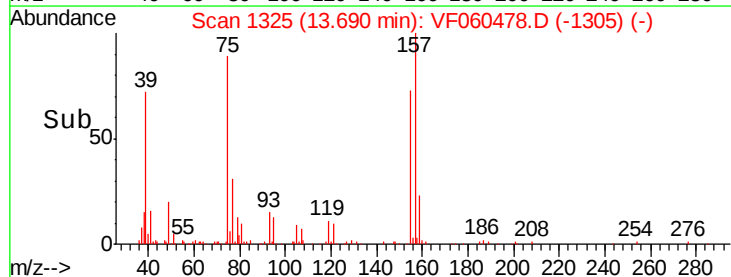
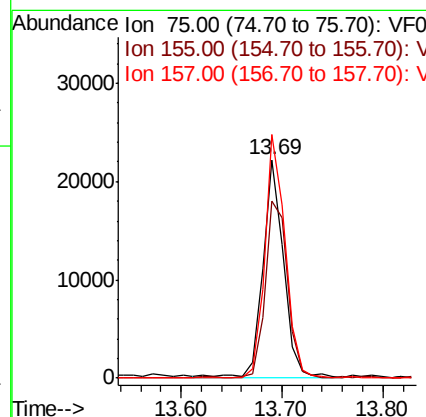
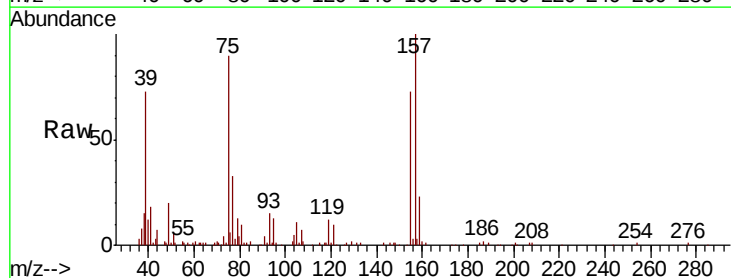
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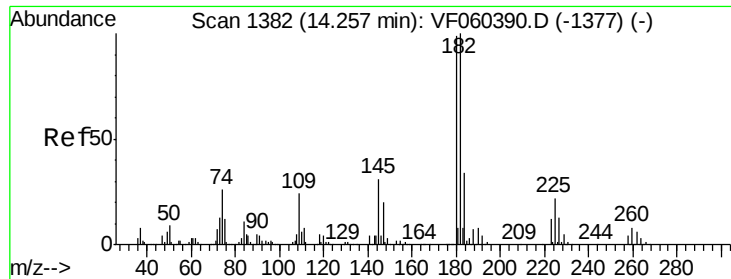
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.221 ug/l
 RT: 13.69 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32233		
155	81.4	37.9	113.6	
157	111.6	51.3	154.0	





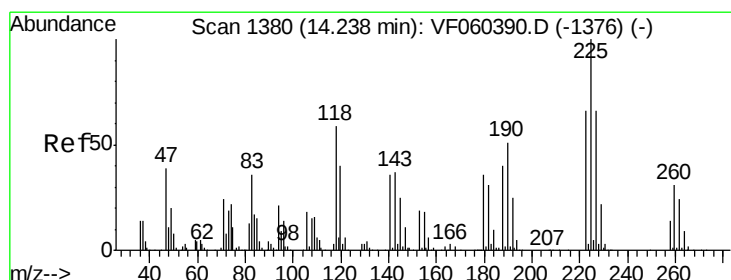
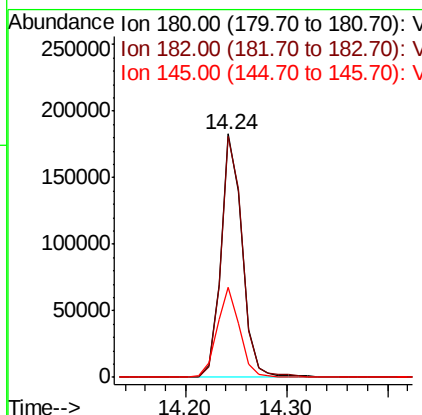
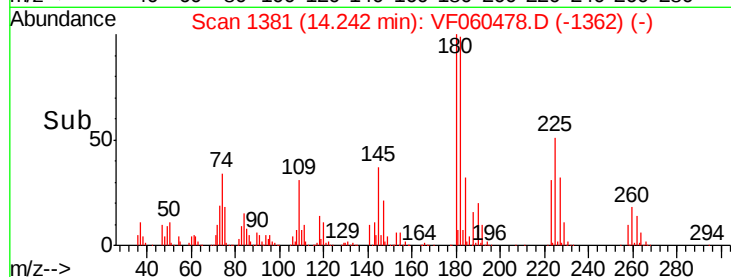
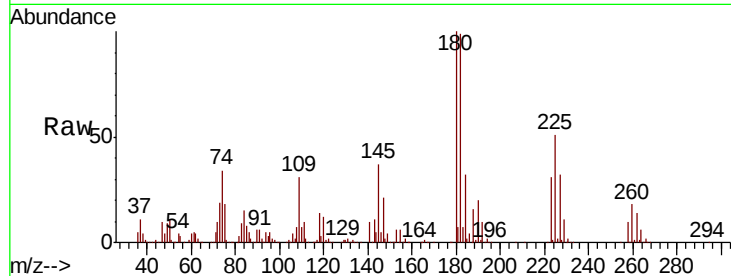
#93
 1,2,4-Trichlorobenzene
 Concen: 52.008 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. -0.02 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	268466		
182	99.3	50.3	150.9	
145	36.8	15.5	46.5	

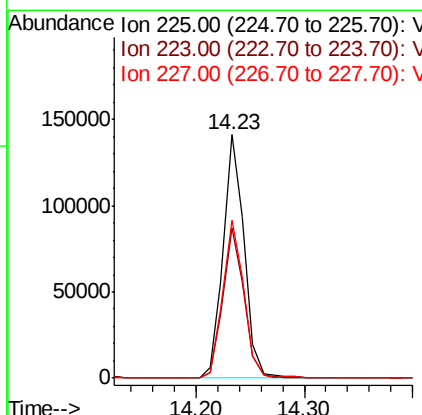
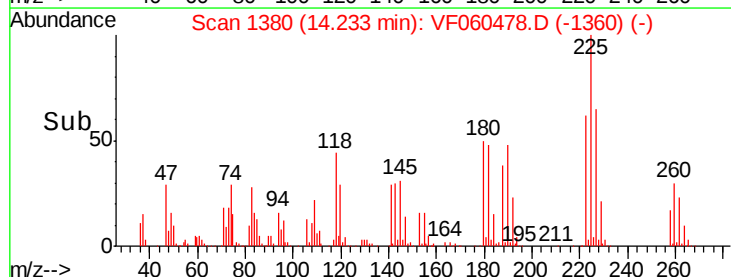
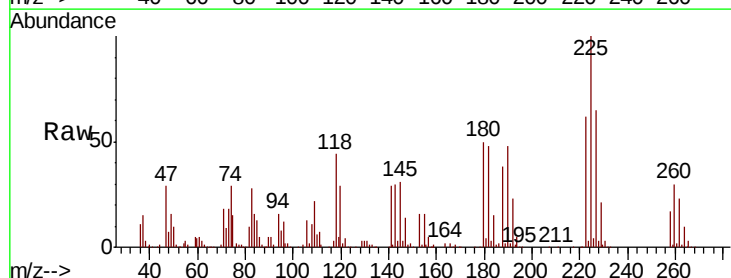
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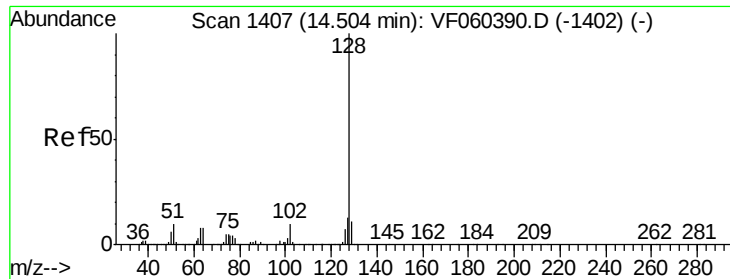
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#94
 Hexachlorobutadiene
 Concen: 53.113 ug/l
 RT: 14.23 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: VF060478.D
 Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	191350		
223	61.8	32.8	98.4	
227	64.7	33.0	99.0	





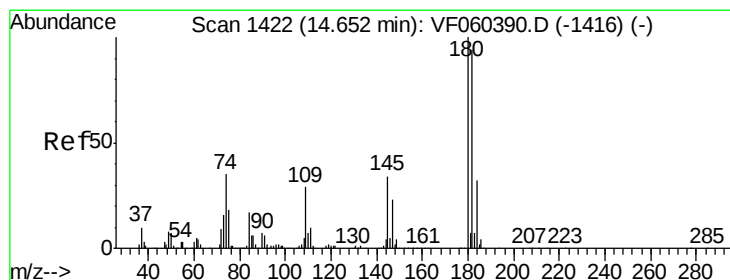
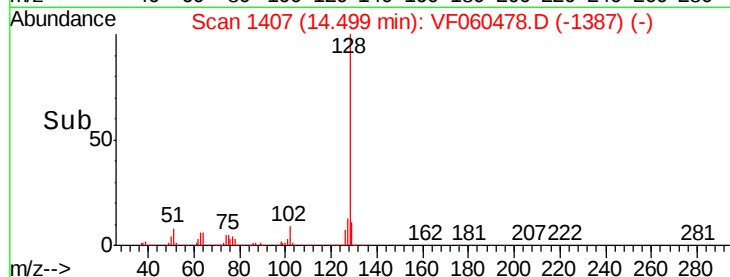
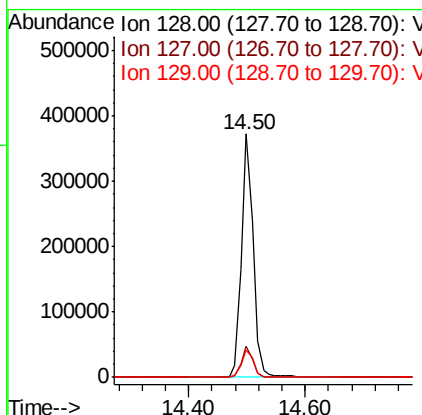
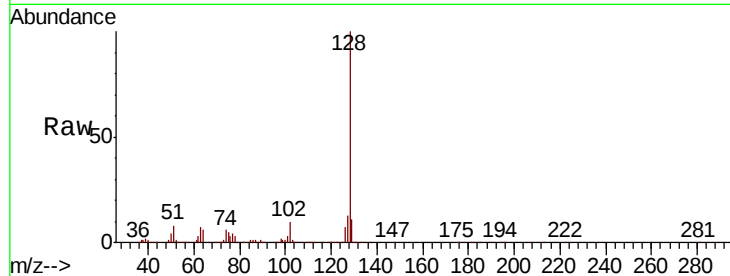
#95
Naphthalene
Concen: 56.608 ug/l
RT: 14.50 min Scan# 1407
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	522453		
127	12.8	10.0	15.0	
129	11.3	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 55.516 ug/l
RT: 14.65 min Scan# 1422
Delta R.T. -0.01 min
Lab File: VF060478.D
Acq: 8 Oct 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	268631		
182	93.4	46.8	140.3	
145	31.6	16.9	50.6	

