

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060144.D
 Acq On : 28 Aug 2018 12:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/29/2018 11:03:25 AM

Quant Time: Aug 28 14:59:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	158872	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	243294	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	252116	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	159440	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	116342	53.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.02%	
35) Dibromofluoromethane	4.28	113	103434	54.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.28%	
50) Toluene-d8	7.70	98	263468	48.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.51	95	148861	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	112523	53.80	ug/l	98
3) Chloromethane	1.07	50	74633	55.37	ug/l	99
4) Vinyl Chloride	1.12	62	61717	47.52	ug/l	91
5) Bromomethane	1.31	94	45110	45.71	ug/l	91
6) Chloroethane	1.39	64	30779	60.13	ug/l	99
7) Trichlorofluoromethane	1.48	101	181901	69.65	ug/l	99
8) Diethyl Ether	1.70	74	22047	47.22	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	77534	56.56	ug/l	93
10) Methyl Iodide	1.93	142	61745	34.07	ug/l	87
11) Tert butyl alcohol	2.66	59	35149	303.86	ug/l #	83
12) 1,1-Dichloroethene	1.83	96	51784	51.27	ug/l	80
13) Acrolein	2.08	56	17726	250.74	ug/l #	80
14) Allyl chloride	2.18	41	91500	51.01	ug/l	87
15) Acrylonitrile	3.07	53	64370	281.99	ug/l	95
16) Acetone	2.33	43	152549	266.94	ug/l #	91
17) Carbon Disulfide	1.84	76	133669	42.27	ug/l	100
18) Methyl Acetate	2.45	43	46712	47.66	ug/l #	91
19) Methyl tert-butyl Ether	2.53	73	165667	51.20	ug/l	98
20) Methylene Chloride	2.28	84	58083	51.79	ug/l	99
21) trans-1,2-Dichloroethene	2.41	96	53414	47.27	ug/l	93
22) Diisopropyl ether	2.91	45	219238	54.59	ug/l	98
23) Vinyl Acetate	3.32	43	540854	254.19	ug/l	99
24) 1,1-Dichloroethane	3.00	63	168016	67.72	ug/l	99
25) 2-Butanone	4.49	43	177281	238.83	ug/l	93
26) 2,2-Dichloropropane	3.76	77	171103	66.65	ug/l	88
27) cis-1,2-Dichloroethene	3.63	96	82830	51.73	ug/l	99
28) Bromochloromethane	3.89	49	47444	45.29	ug/l	90
29) Tetrahydrofuran	4.23	42	63071	225.05	ug/l	97
30) Chloroform	4.02	83	204702	58.78	ug/l	97
31) Cyclohexane	3.86	56	89545	47.36	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	187390	62.83	ug/l	99
36) 1,1-Dichloropropene	4.45	75	119280	52.17	ug/l	94
37) Ethyl Acetate	4.28	43	60613	44.33	ug/l #	81
38) Carbon Tetrachloride	4.16	117	164700	62.21	ug/l	99

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

39) Methylcyclohexane	5.61	83	99490	46.41	ug/l #	84
40) Benzene	4.80	78	241680	48.39	ug/l	100
41) Methacrylonitrile	4.90	41	33229	48.05	ug/l #	87
42) 1,2-Dichloroethane	5.11	62	152498	56.94	ug/l	97
43) Isopropyl Acetate	7.10	43	80771	46.93	ug/l	95
44) Trichloroethene	5.66	130	87141	52.78	ug/l	99
45) 1,2-Dichloropropane	6.39	63	72915	51.61	ug/l	96
46) Dibromomethane	6.24	93	60909	55.10	ug/l	97
47) Bromodichloromethane	6.54	83	159919	59.89	ug/l	96
48) Methyl methacrylate	6.86	41	52067	45.72	ug/l	94
49) 1,4-Dioxane	6.84	88	10176	930.82	ug/l	98
51) 4-Methyl-2-Pentanone	8.39	43	370423	249.25	ug/l	98
52) Toluene	7.77	92	184177	58.12	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	132716	54.81	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	142882	52.87	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	70255	52.13	ug/l	98
56) Ethyl methacrylate	8.76	69	84384	51.73	ug/l	91
57) 1,3-Dichloropropane	8.99	76	124014	52.36	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	37062	286.24	ug/l	100
59) 2-Hexanone	9.62	43	309337	257.17	ug/l	99
60) Dibromochloromethane	8.85	129	111094	55.84	ug/l	94
61) 1,2-Dibromoethane	9.13	107	78968	49.90	ug/l	96
64) Tetrachloroethene	8.30	164	89329	52.60	ug/l	99
65) Chlorobenzene	9.94	112	253431	53.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	98195	54.38	ug/l	97
67) Ethyl Benzene	10.04	91	460972	56.12	ug/l	99
68) m/p-Xylenes	10.26	106	320148	121.52	ug/l	97
69) o-Xylene	10.83	106	179371	55.73	ug/l	99
70) Styrene	10.90	104	270143	54.71	ug/l	95
71) Bromoform	10.89	173	69847	55.44	ug/l	99
73) Isopropylbenzene	11.22	105	543901	56.67	ug/l	97
74) N-amyl acetate	11.46	43	150332	50.39	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	99872	47.65	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	77433	47.64	ug/l	98
77) Bromobenzene	11.60	156	134167	51.40	ug/l	99
78) n-propylbenzene	11.68	91	638433	53.90	ug/l	99
79) 2-Chlorotoluene	11.81	91	375958	53.98	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	448488	53.64	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	34728m	46.70	ug/l	
82) 4-Chlorotoluene	11.99	91	417693	55.23	ug/l	98
83) tert-Butylbenzene	12.22	119	455031	55.80	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	463919	52.19	ug/l	97
85) sec-Butylbenzene	12.38	105	604286	53.23	ug/l	98
86) p-Isopropyltoluene	12.54	119	523494	55.58	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	246144	51.00	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	254778	53.12	ug/l	97
89) n-Butylbenzene	12.92	91	524588	57.33	ug/l	98
90) Hexachloroethane	12.99	117	114453	54.07	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	239517	51.61	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	23252	54.29	ug/l	96

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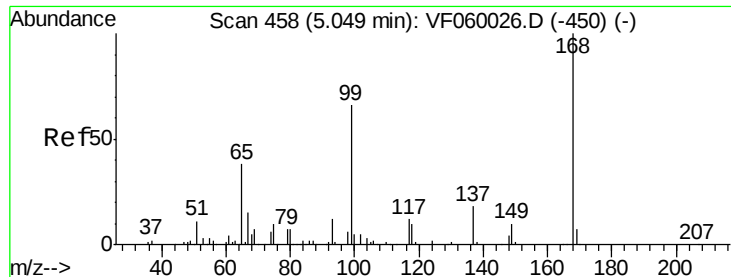
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	184895	54.10	ug/l	97
94) Hexachlorobutadiene	14.26	225	118648	55.78	ug/l	99
95) Naphthalene	14.52	128	285085	48.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	173691	53.27	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 158872

Ion Ratio Lower Upper

168 100

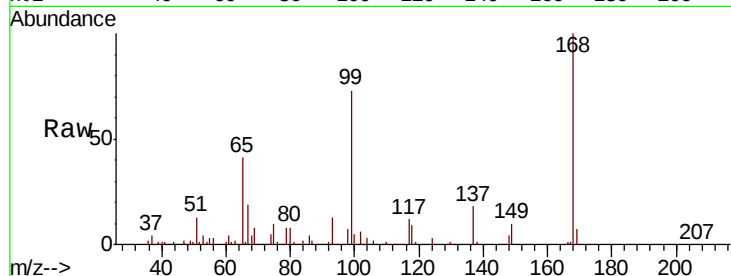
99 72.8 52.6 79.0

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

5.03

60000

50000

40000

30000

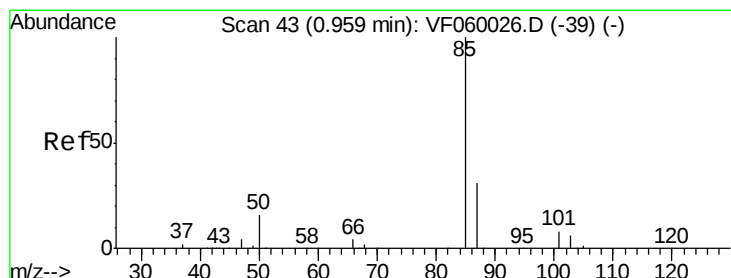
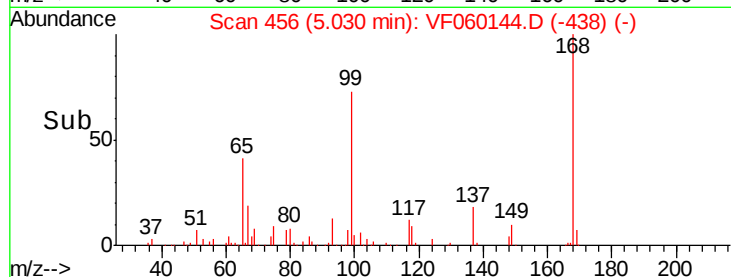
20000

10000

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Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 53.80 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060144.D

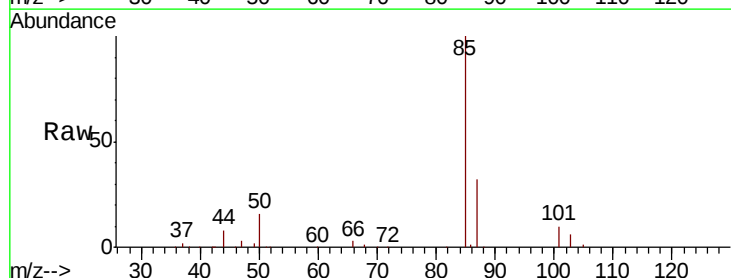
Acq: 28 Aug 2018 12:17

Tgt Ion: 85 Resp: 112523

Ion Ratio Lower Upper

85 100

87 31.9 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

80000

60000

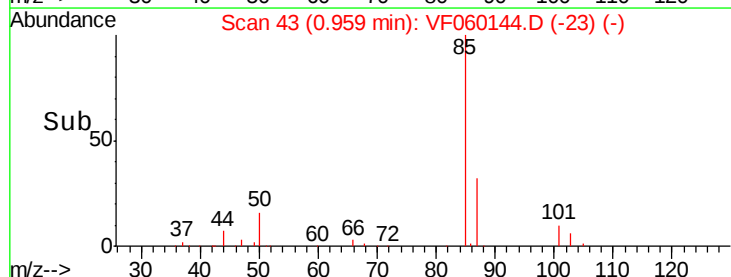
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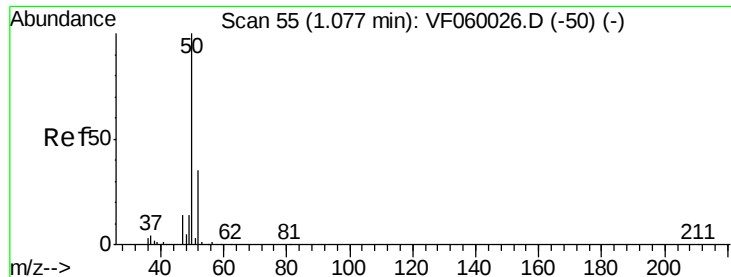
20000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 55.37 ug/l

RT: 1.07 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 74633

Ion Ratio Lower Upper

50 100

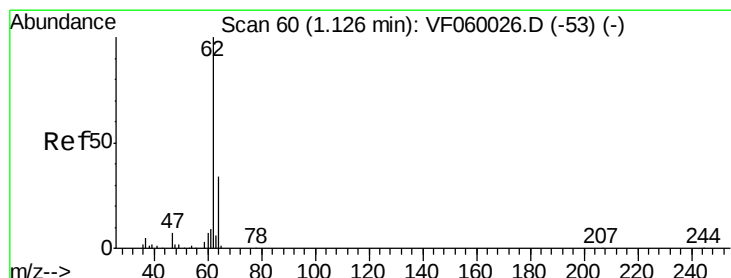
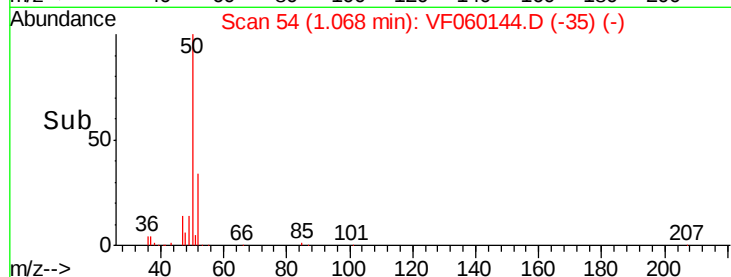
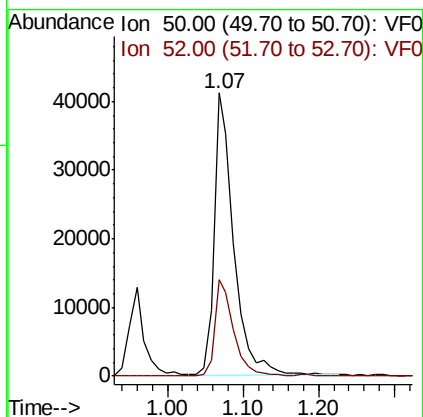
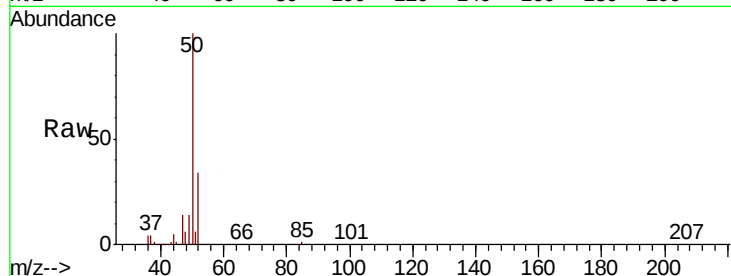
52 33.9 27.6 41.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.52 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.01 min

Lab File: VF060144.D

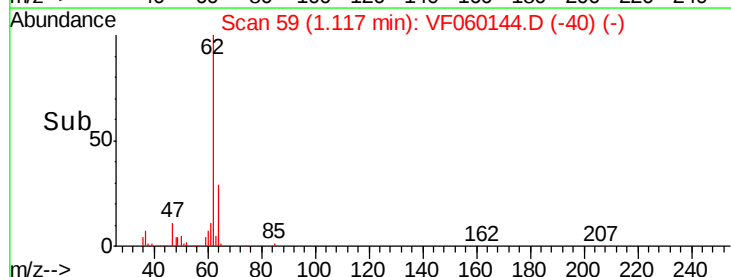
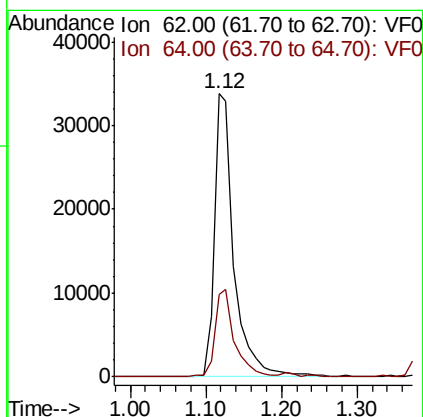
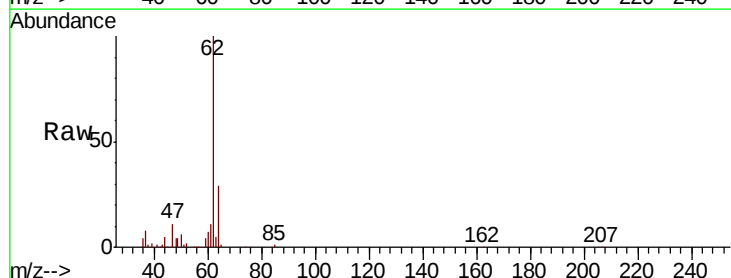
Acq: 28 Aug 2018 12:17

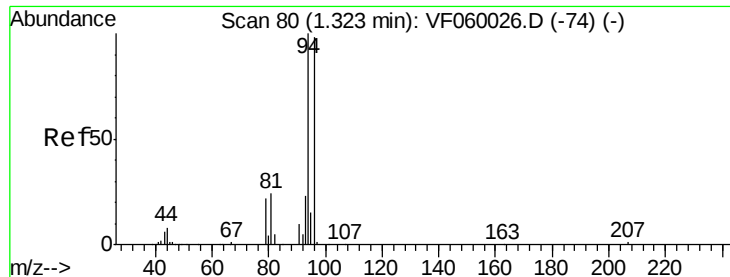
Tgt Ion: 62 Resp: 61717

Ion Ratio Lower Upper

62 100

64 29.3 27.4 41.2





#5

Bromomethane

Concen: 45.71 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 45110

Ion Ratio Lower Upper

94 100

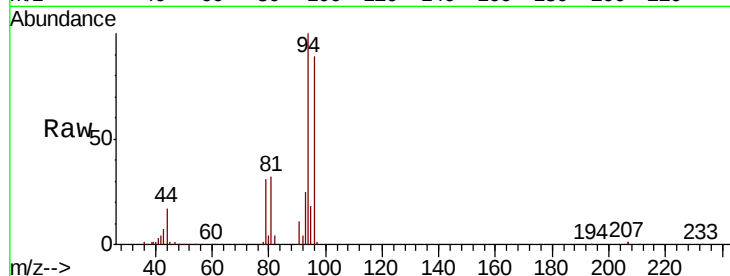
96 89.4 78.6 118.0

Manual Integrations

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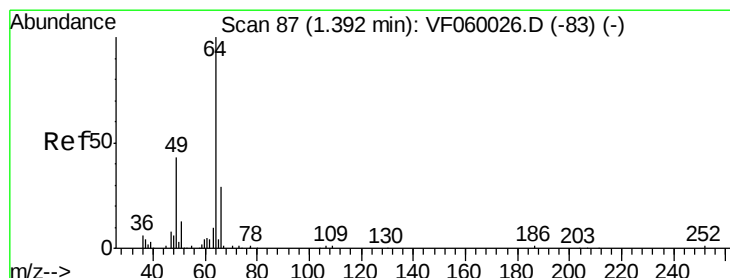
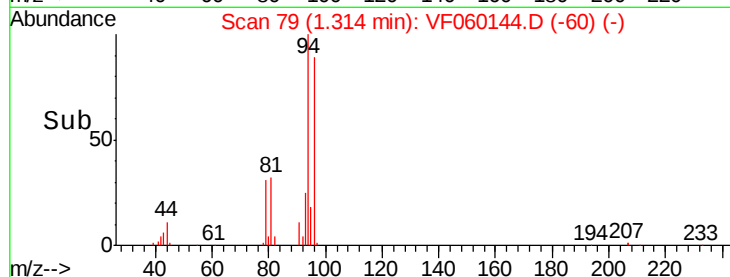
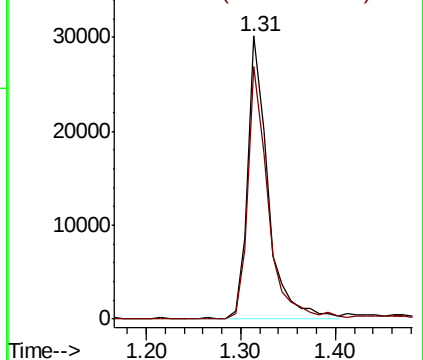
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 60.13 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060144.D

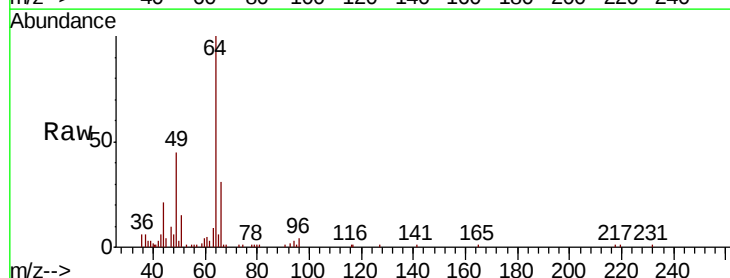
Acq: 28 Aug 2018 12:17

Tgt Ion: 64 Resp: 30779

Ion Ratio Lower Upper

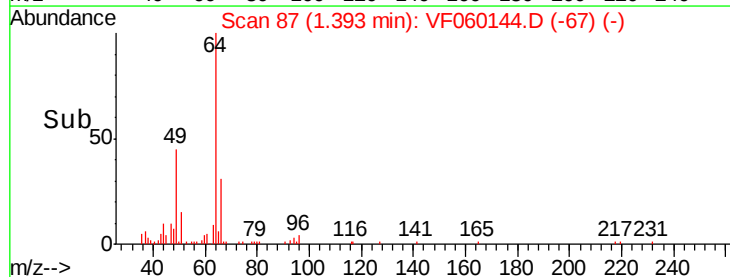
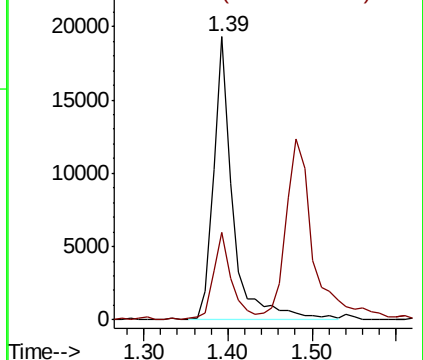
64 100

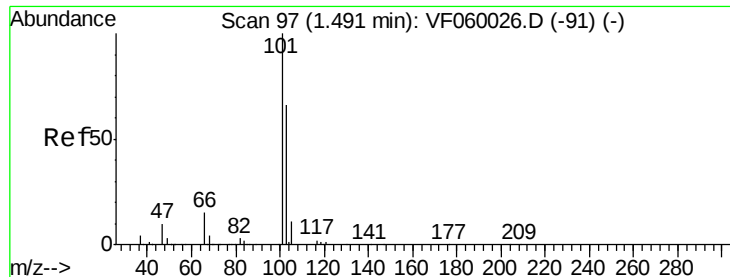
66 30.7 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

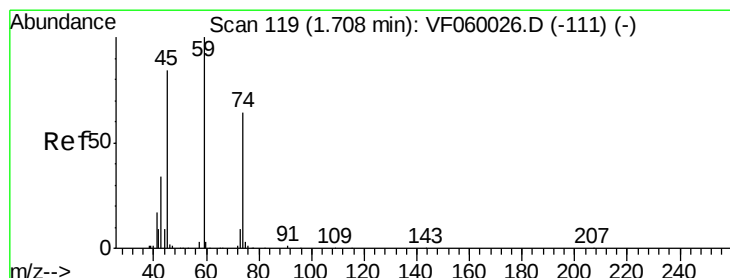
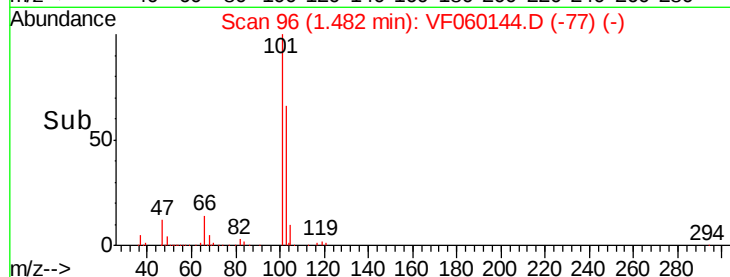
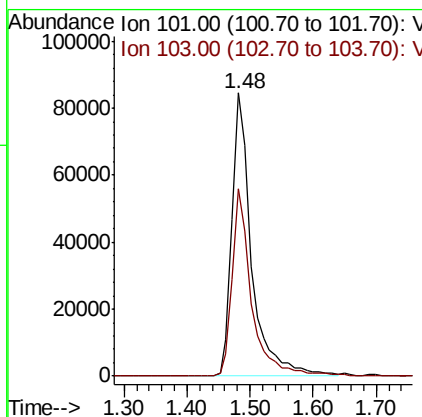
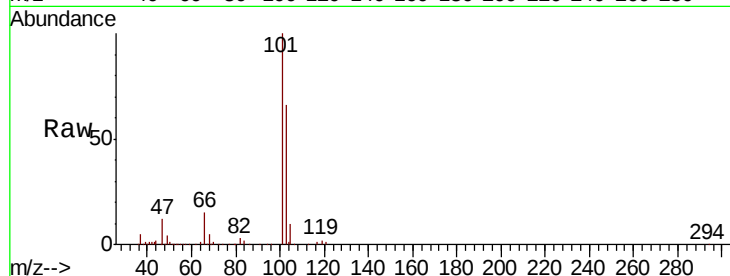
Trichlorofluoromethane
 Concen: 69.65 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. -0.01 min
 Lab File: VF060144.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.5	78.7

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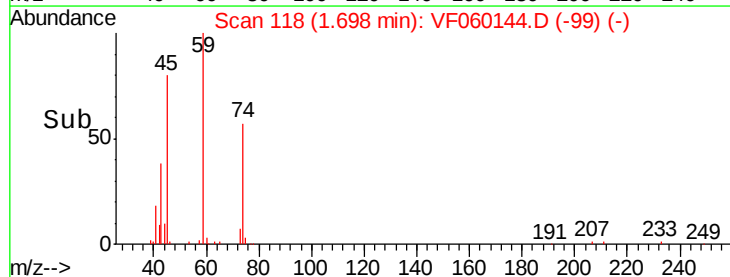
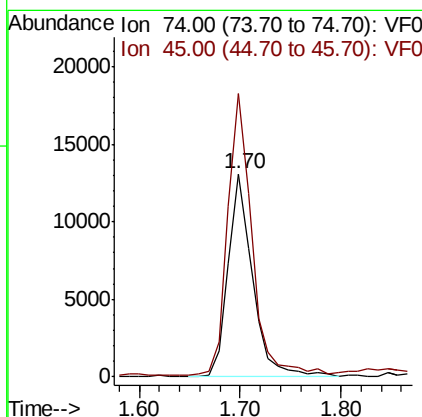
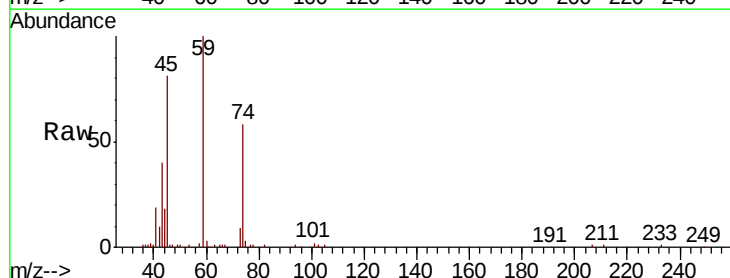
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 8/29/2018 11:03:25 AM

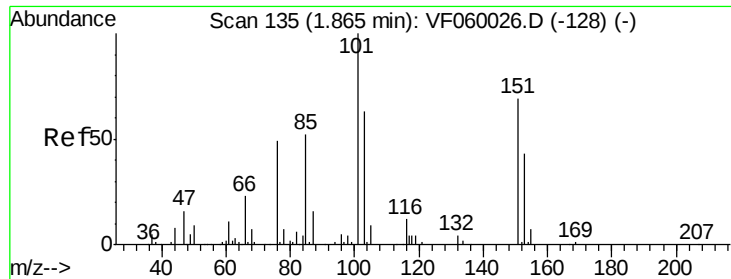


#8

Diethyl Ether
 Concen: 47.22 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	139.5	66.0	198.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.56 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060144.D

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Instrument :

MSVOA_F

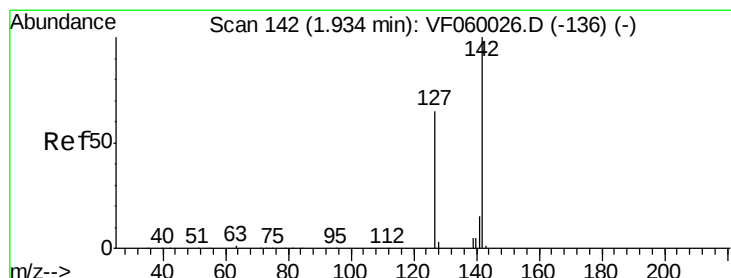
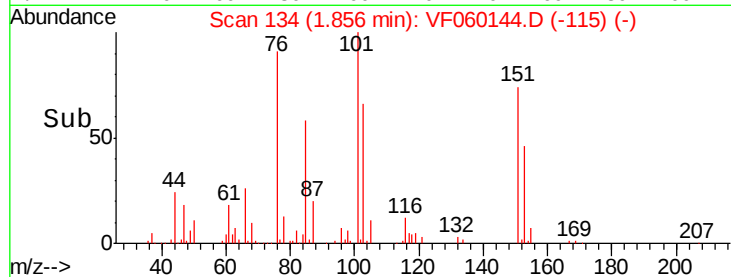
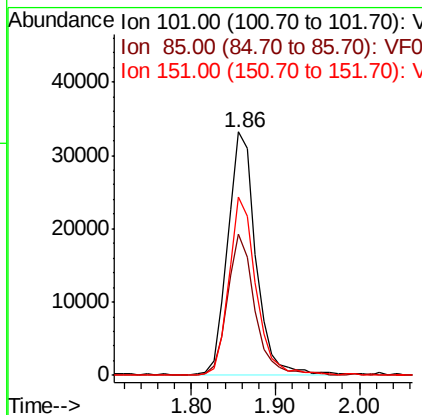
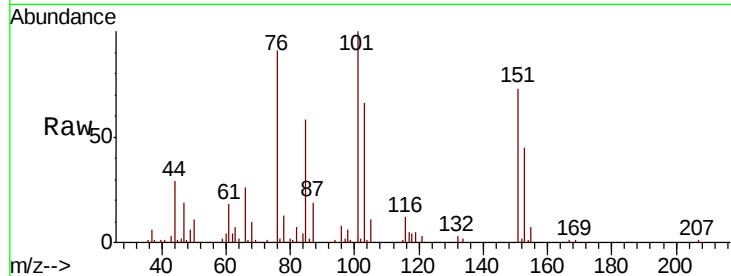
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	77534
Ion Ratio	Lower	Upper	
101	100		
85	58.0	41.5	62.3
151	73.0	55.2	82.8

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#10

Methyl Iodide

Concen: 34.07 ug/l

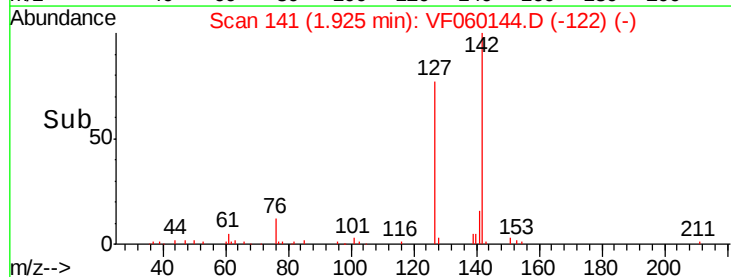
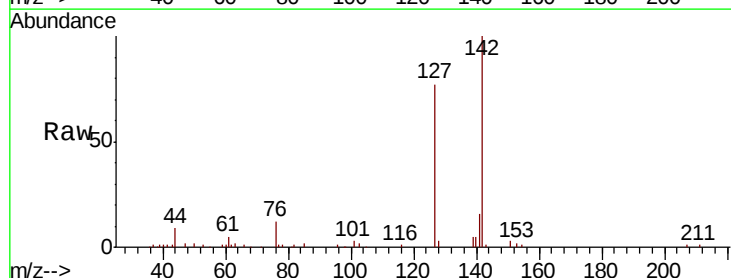
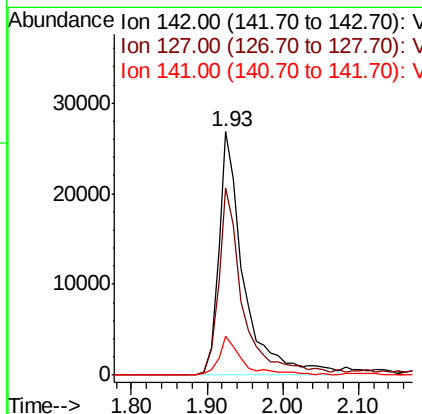
RT: 1.93 min Scan# 141

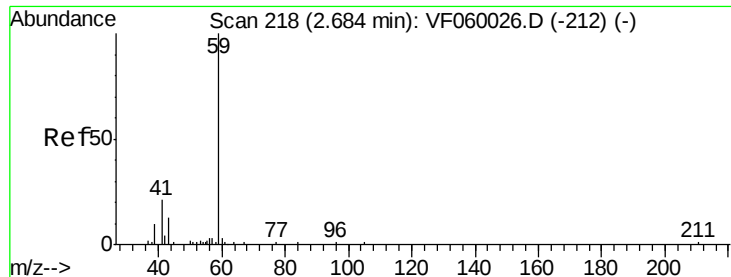
Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Tgt Ion:	142	Resp:	61745
Ion Ratio	Lower	Upper	
142	100		
127	76.8	51.8	77.6
141	15.7	11.9	17.9





#11

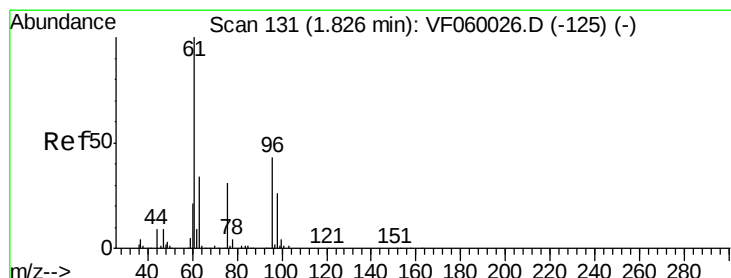
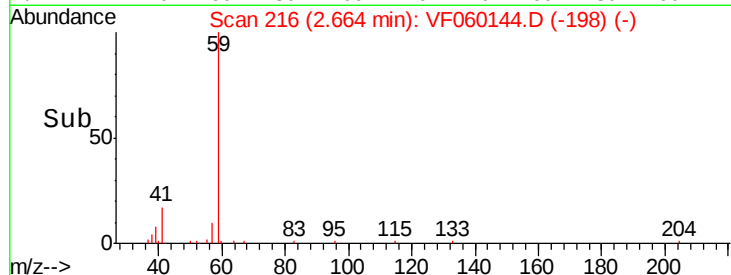
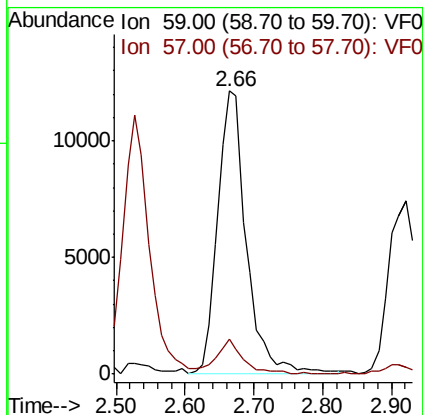
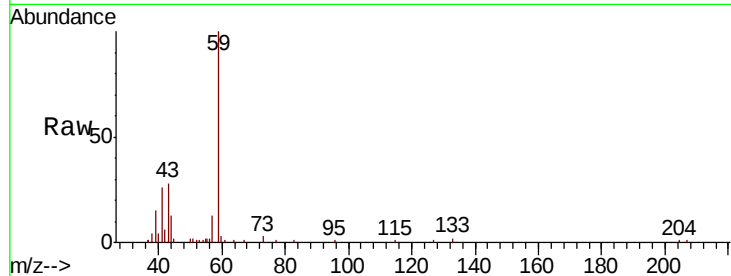
Tert butyl alcohol
Concen: 303.86 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.02 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.6	5.4	8.2#

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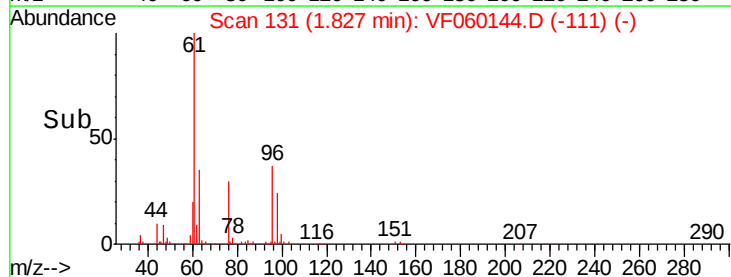
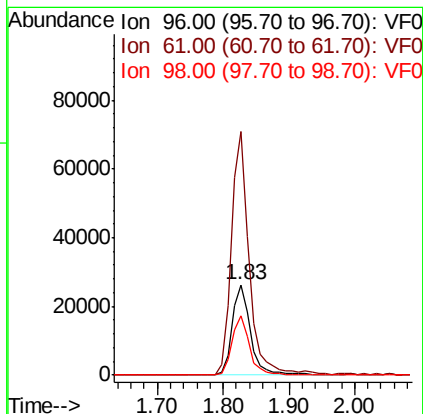
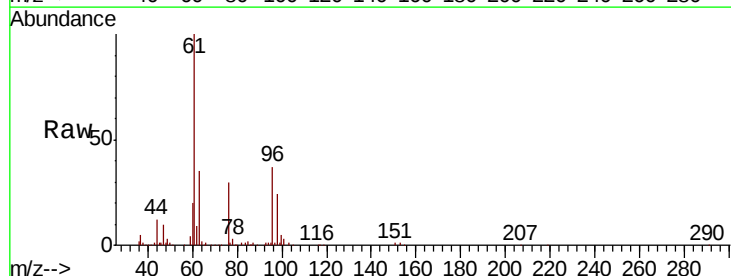
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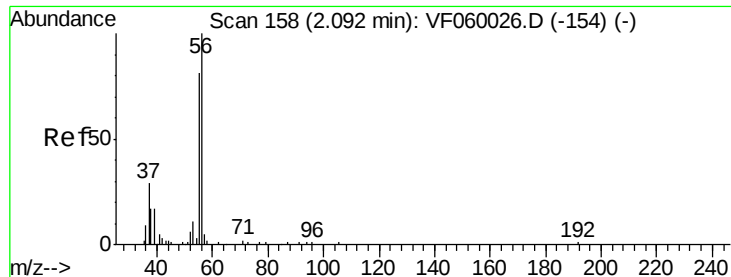


#12

1,1-Dichloroethene
Concen: 51.27 ug/l
RT: 1.83 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	269.3	185.0	277.6
98	65.6	47.8	71.8





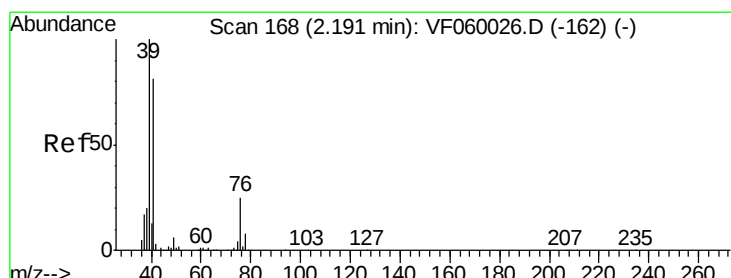
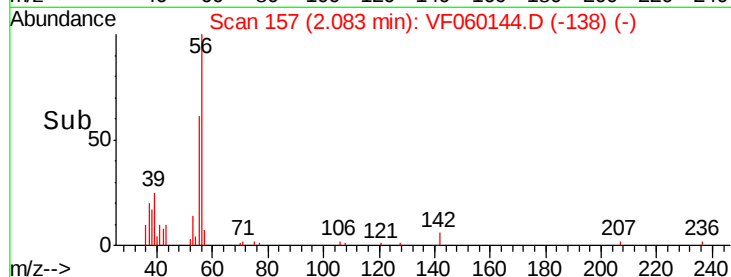
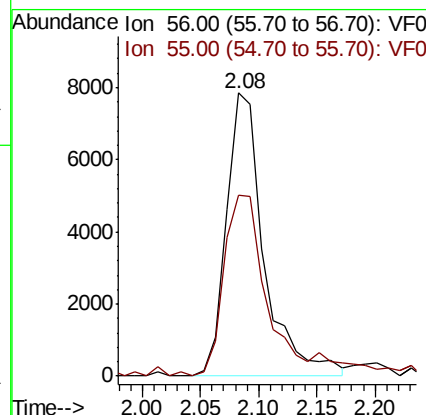
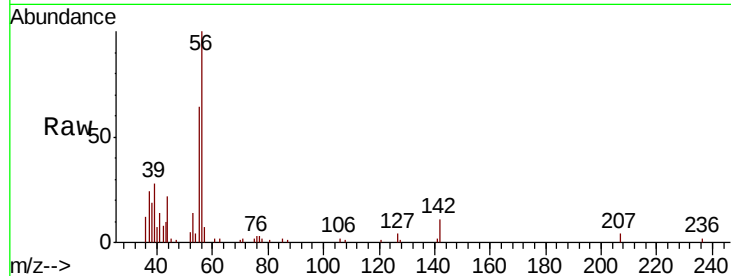
#13
Acrolein
Concen: 250.74 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	17726
Ion Ratio	Lower	Upper	
56	100		
55	63.8	65.6	98.4#

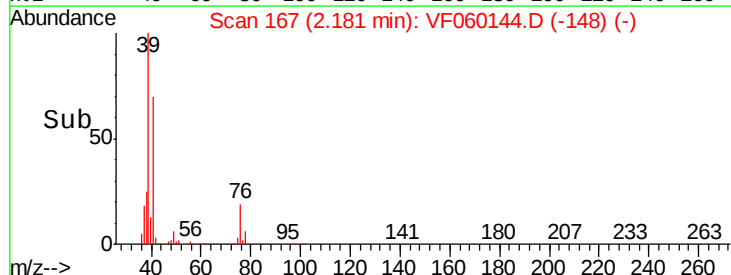
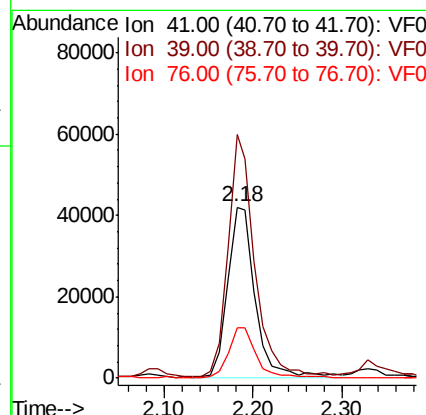
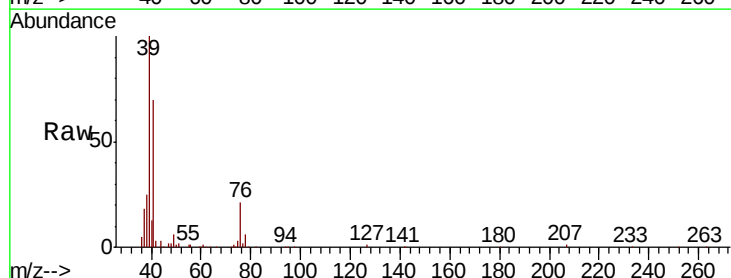
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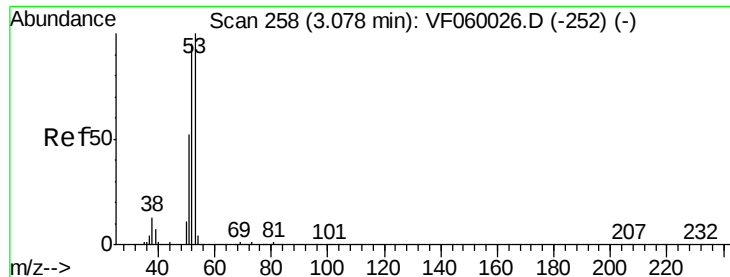
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#14
Allyl chloride
Concen: 51.01 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	41	Resp	91500
Ion Ratio	Lower	Upper	
41	100		
39	142.1	99.3	148.9
76	29.2	24.3	36.5





#15

Acrylonitrile

Concen: 281.99 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

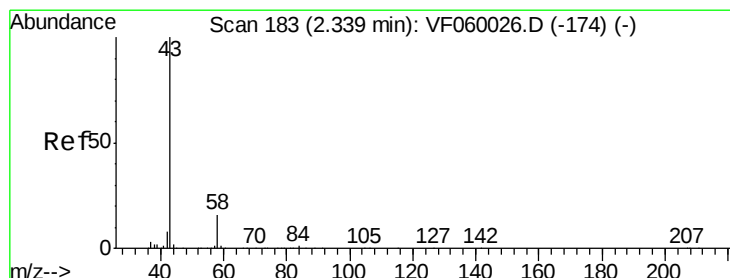
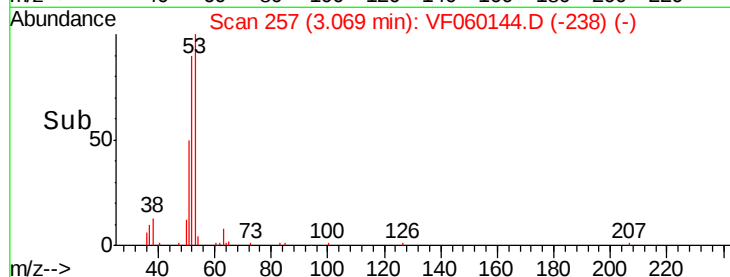
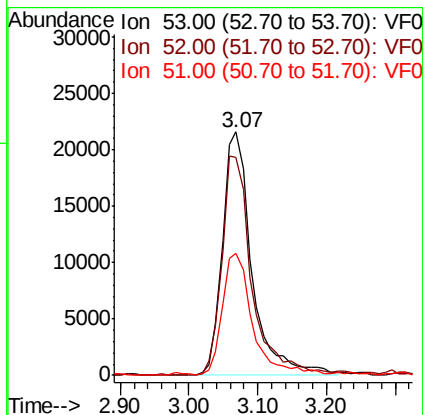
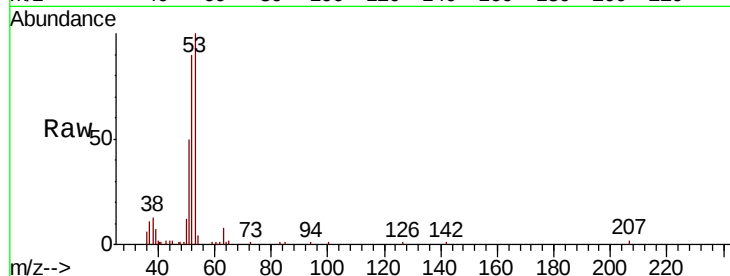
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	64370
Ion	Ratio	Lower	Upper
53	100		
52	89.8	75.8	113.8
51	50.2	42.1	63.1

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#16

Acetone

Concen: 266.94 ug/l

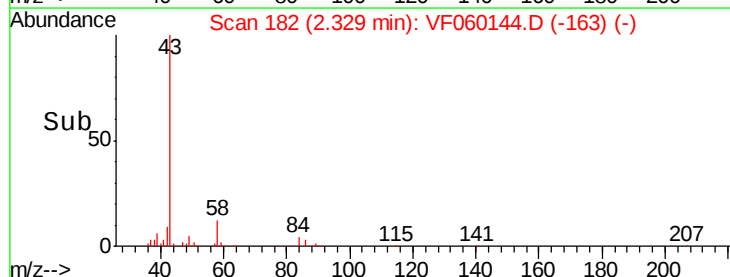
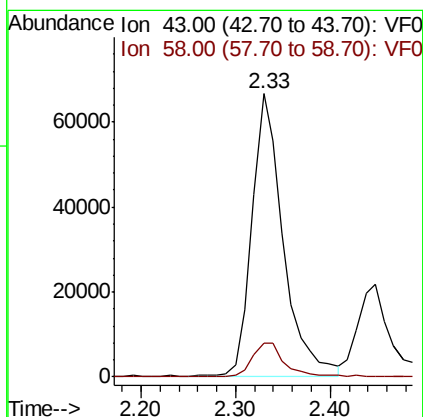
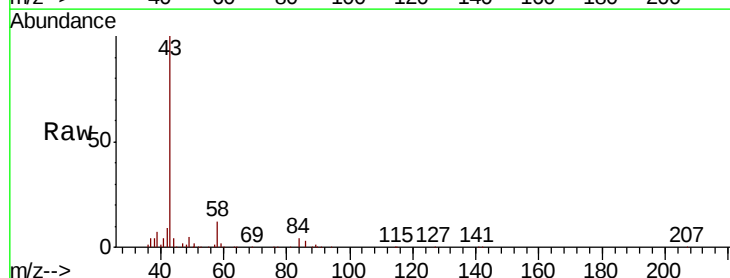
RT: 2.33 min Scan# 182

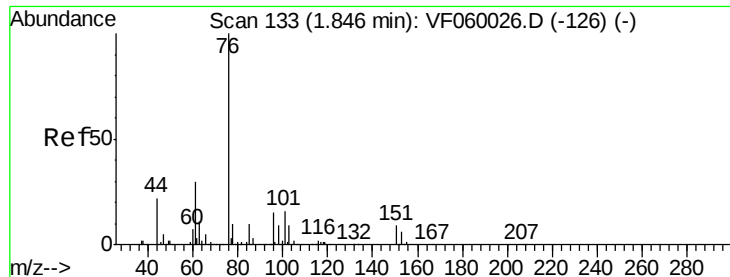
Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Tgt Ion:	43	Resp:	152549
Ion	Ratio	Lower	Upper
43	100		
58	12.2	12.6	19.0#





#17

Carbon Disulfide

Concen: 42.27 ug/l

RT: 1.84 min Scan# 132

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 133669

Ion Ratio Lower Upper

76 100

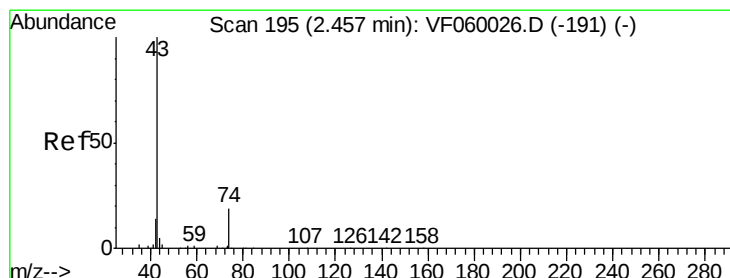
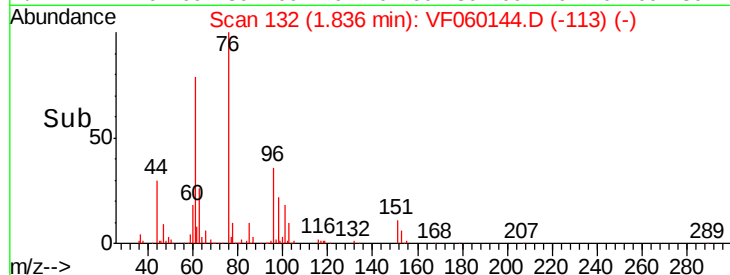
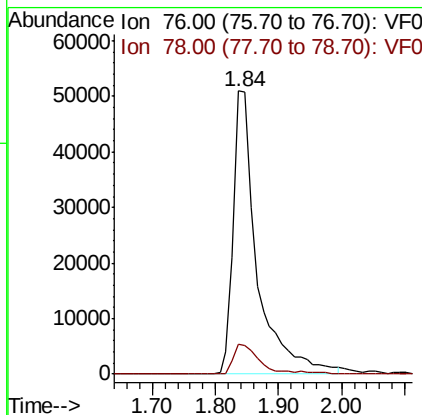
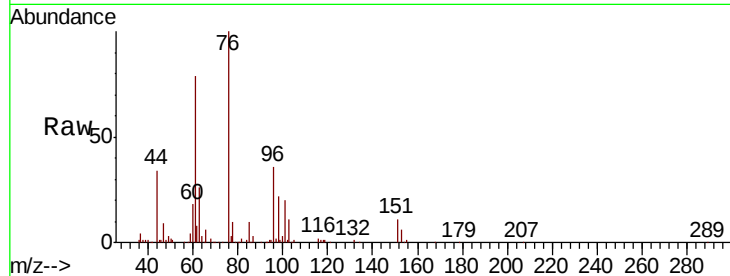
78 10.4 8.4 12.6

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#18

Methyl Acetate

Concen: 47.66 ug/l

RT: 2.45 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF060144.D

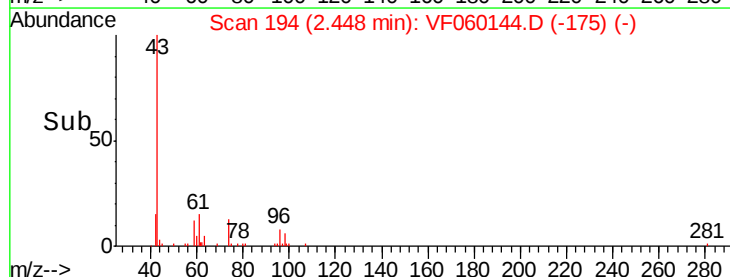
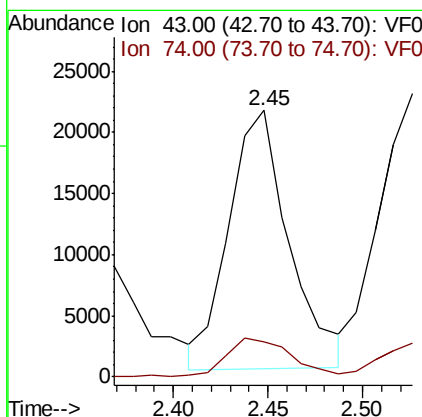
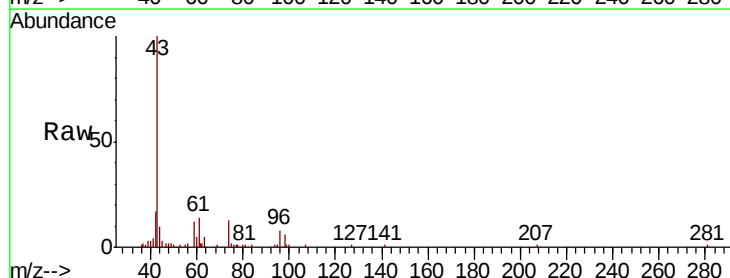
Acq: 28 Aug 2018 12:17

Tgt Ion: 43 Resp: 46712

Ion Ratio Lower Upper

43 100

74 13.3 13.8 20.6#





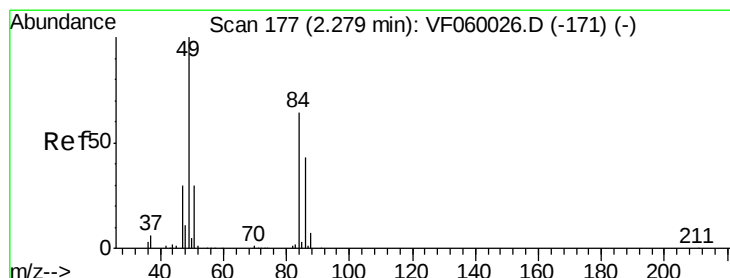
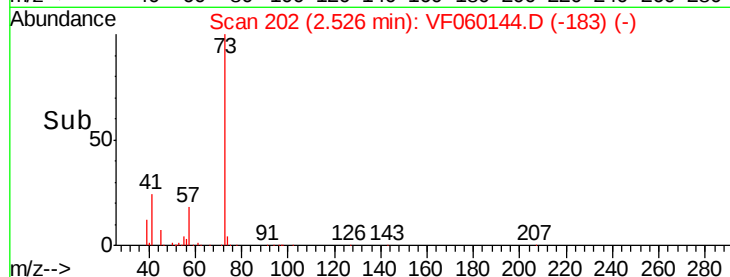
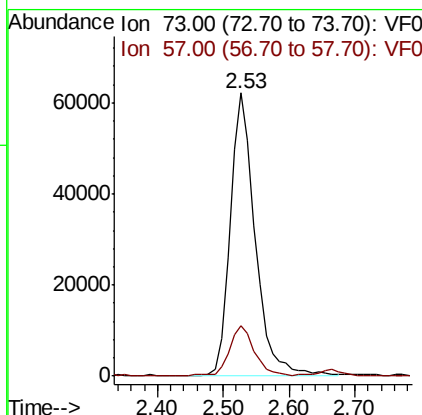
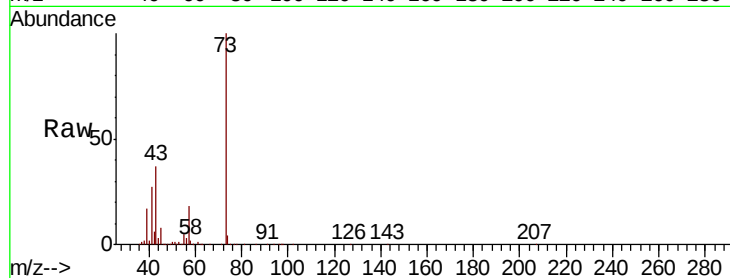
#19
Methyl tert-butyl Ether
Concen: 51.20 ug/l
RT: 2.53 min Scan# 202
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.8	13.7	20.5

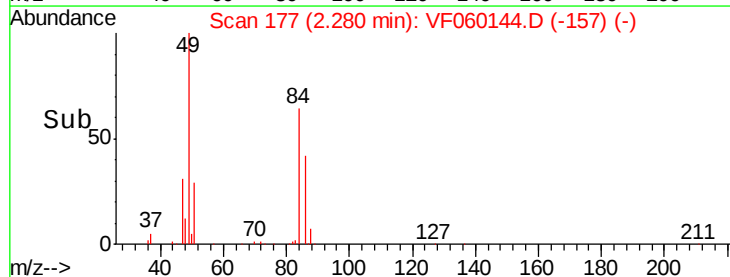
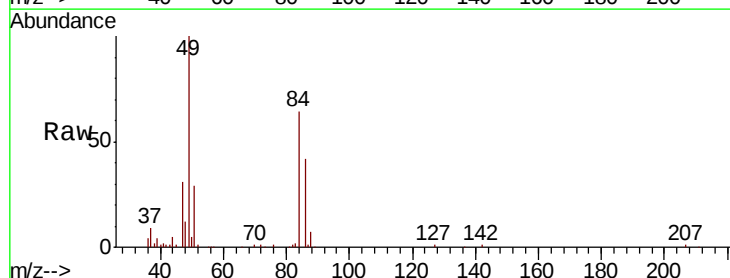
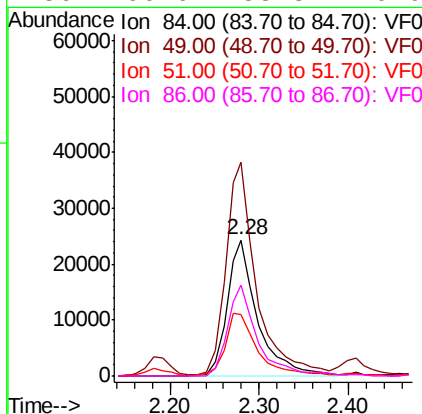
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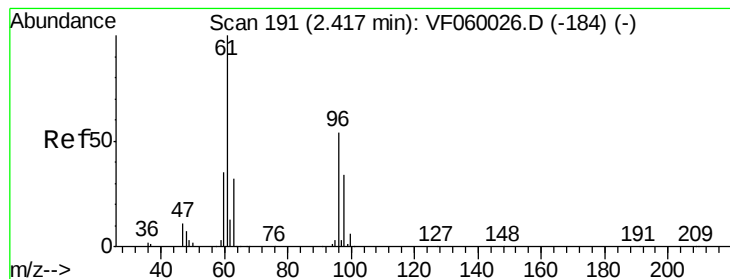
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#20
Methylene Chloride
Concen: 51.79 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.4	125.4	188.0
51	44.9	38.3	57.5
86	66.6	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 47.27 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

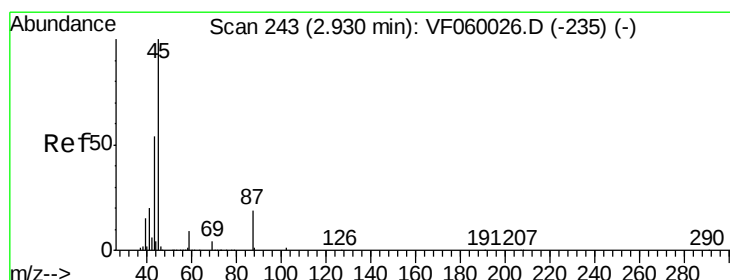
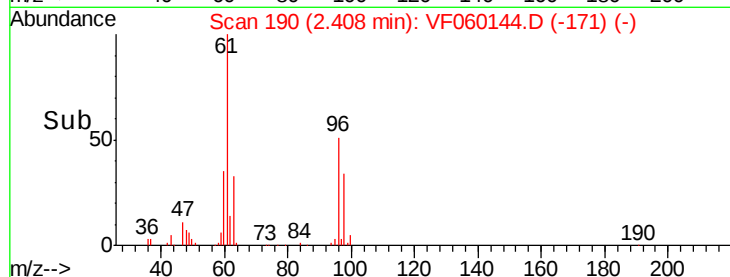
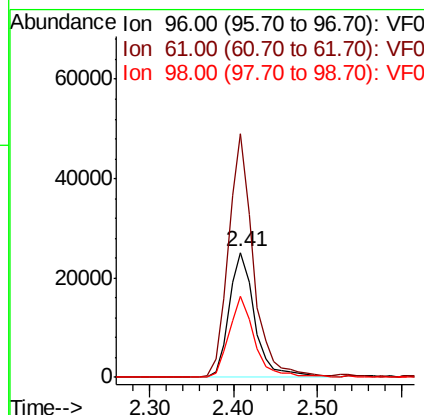
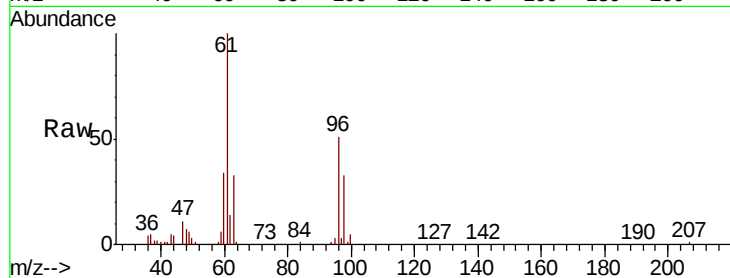
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	53414
Ion	Ratio	Lower	Upper
96	100		
61	195.2	147.4	221.0
98	65.2	49.8	74.6

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#22

Diisopropyl ether

Concen: 54.59 ug/l

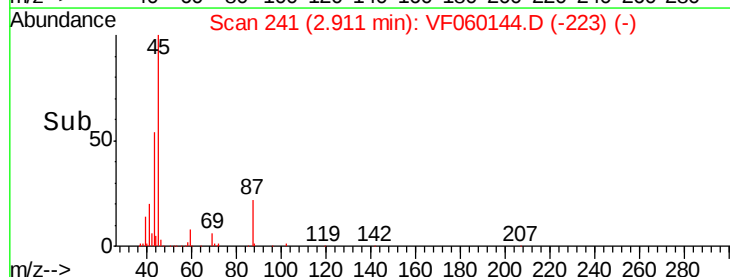
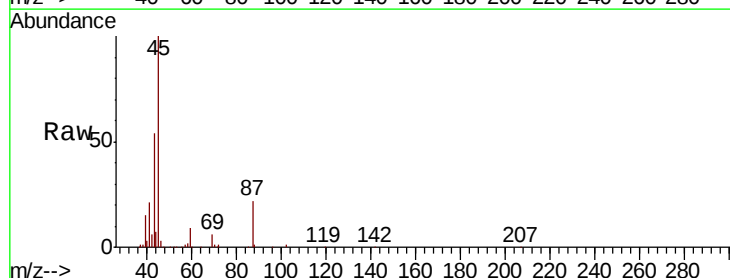
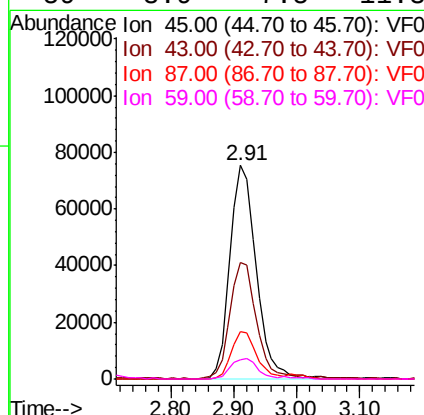
RT: 2.91 min Scan# 241

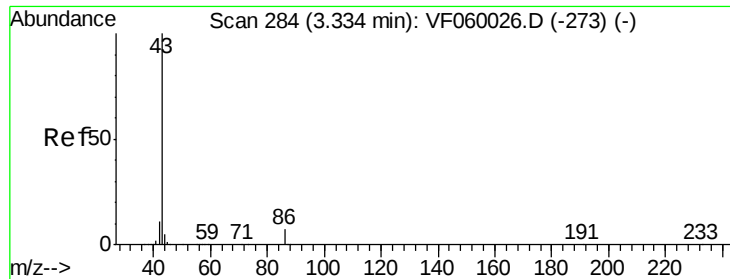
Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Tgt Ion:	45	Resp:	219238
Ion	Ratio	Lower	Upper
45	100		
43	54.5	43.4	65.2
87	22.1	15.4	23.2
59	8.9	7.5	11.3





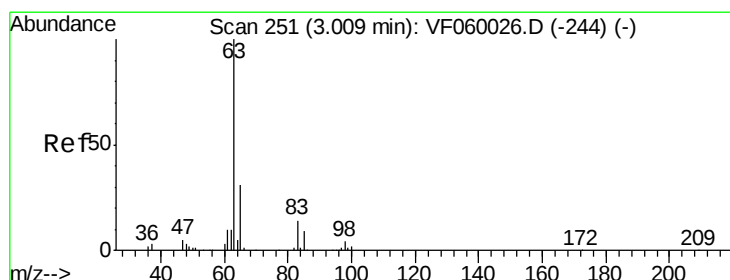
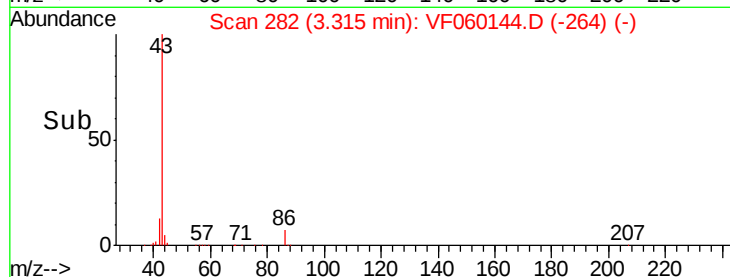
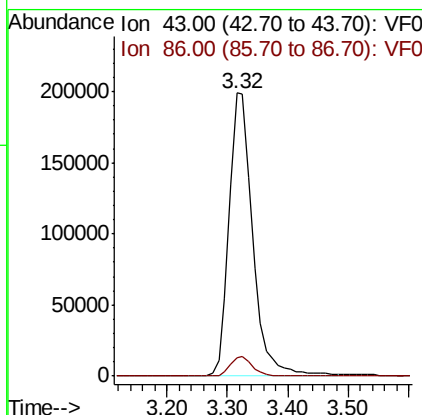
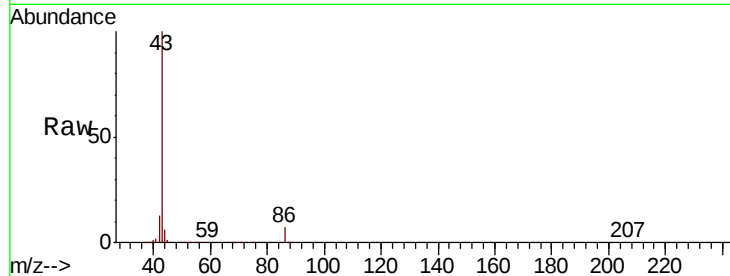
#23
 Vinyl Acetate
 Concen: 254.19 ug/l
 RT: 3.32 min Scan# 282
 Delta R.T. -0.02 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.6	8.4

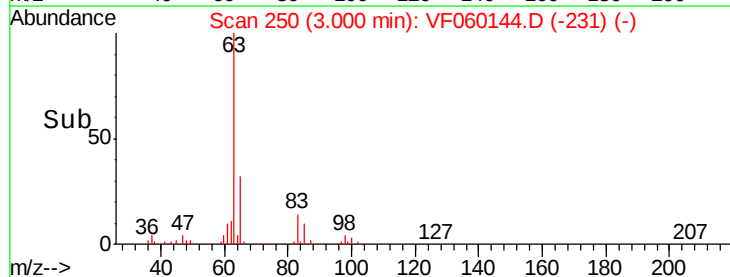
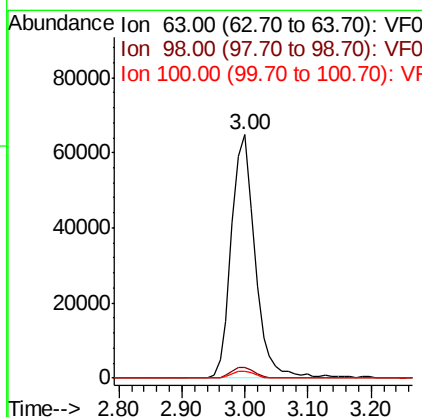
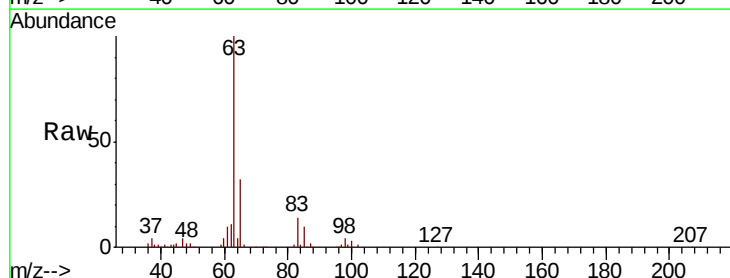
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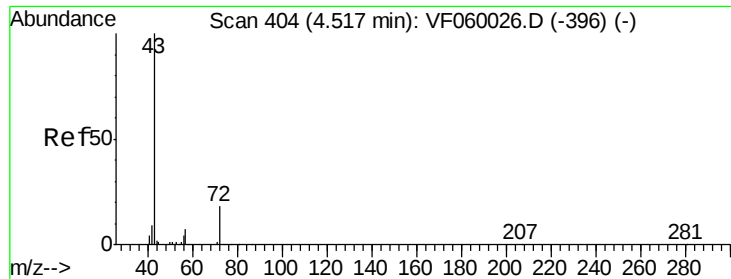
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#24
 1,1-Dichloroethane
 Concen: 67.72 ug/l
 RT: 3.00 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.5
100	2.8	1.1	3.3





#25

2-Butanone

Concen: 238.83 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.03 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 177281

Ion Ratio Lower Upper

43 100

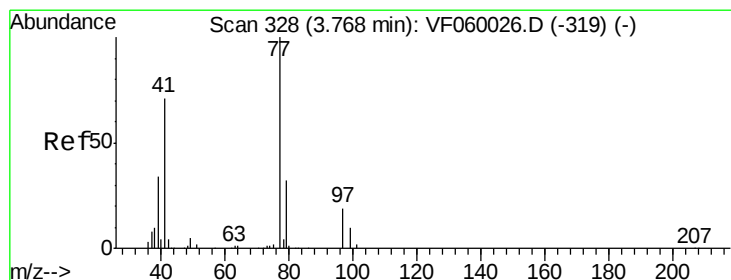
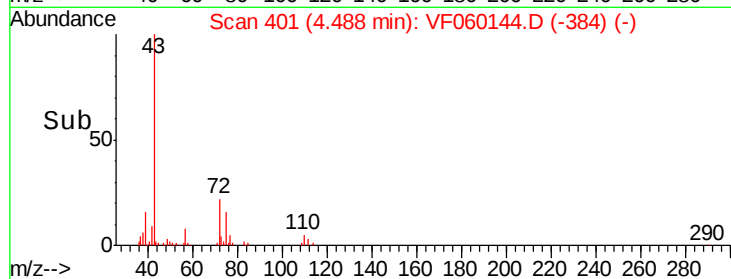
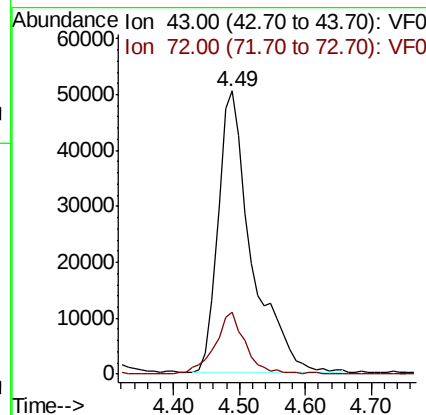
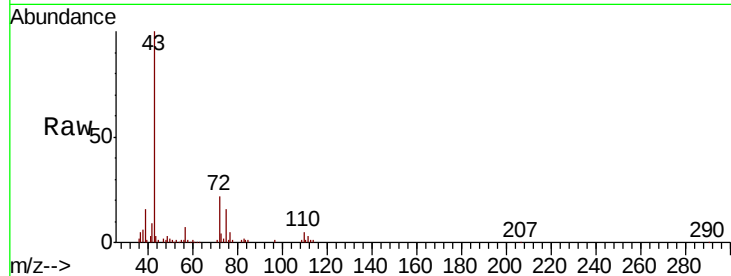
72 21.9 15.0 22.6

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#26

2,2-Dichloropropane

Concen: 66.65 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060144.D

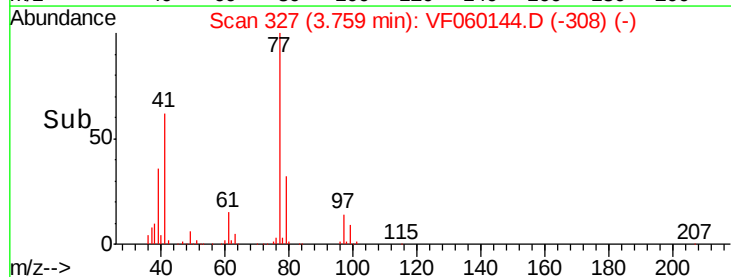
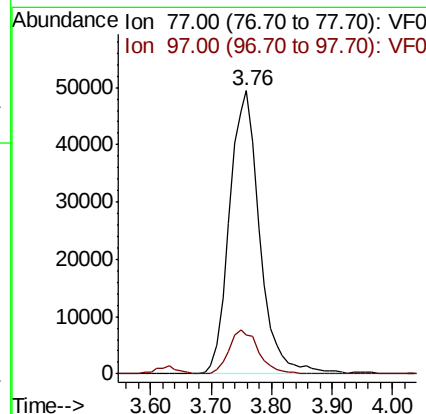
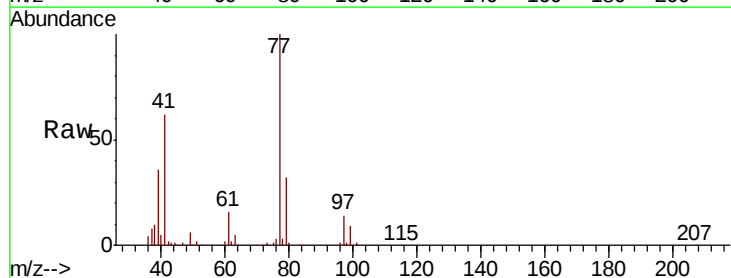
Acq: 28 Aug 2018 12:17

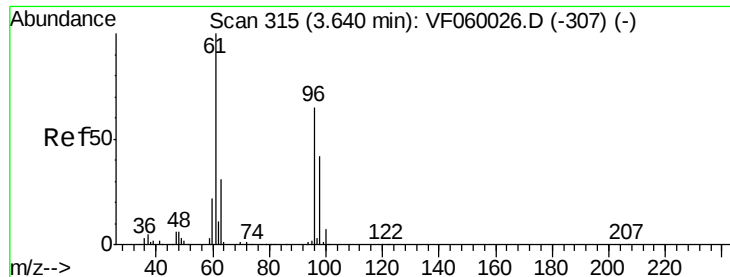
Tgt Ion: 77 Resp: 171103

Ion Ratio Lower Upper

77 100

97 13.7 9.7 29.1





#27

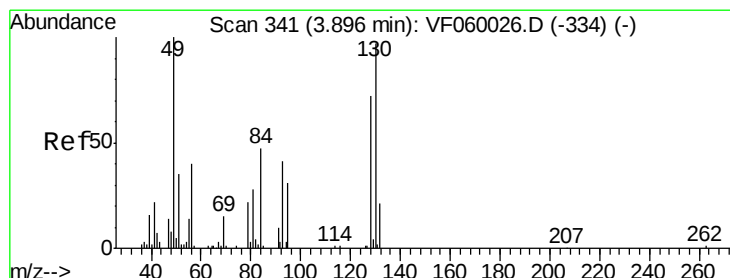
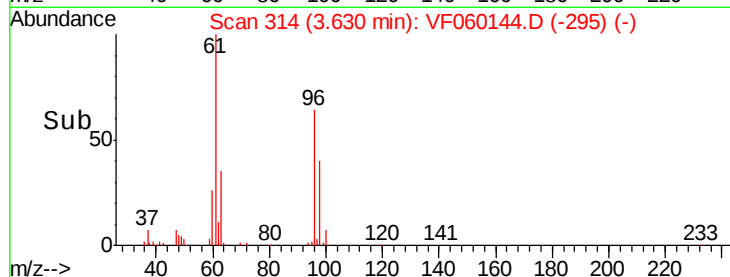
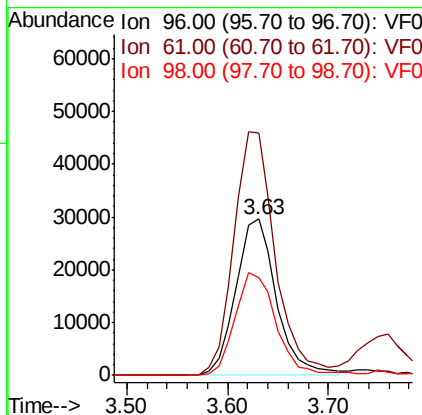
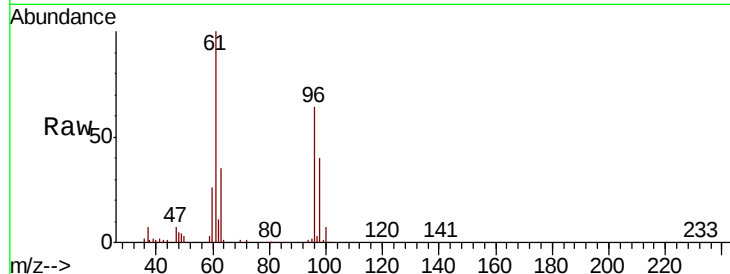
cis-1,2-Dichloroethene
Concen: 51.73 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	82830		
61	155.2	0.0	307.6	
98	62.7	0.0	128.4	

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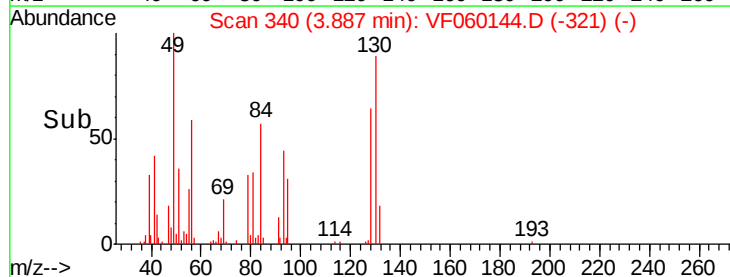
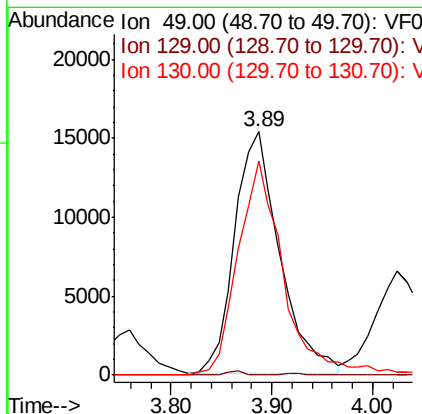
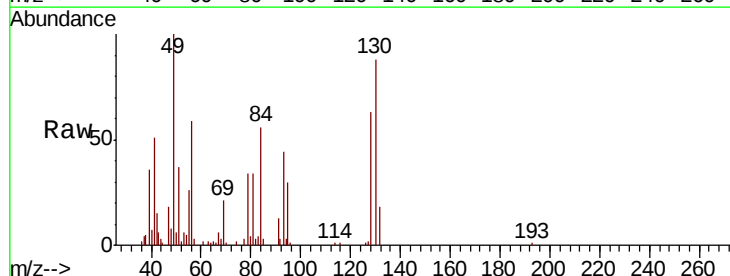
apatel
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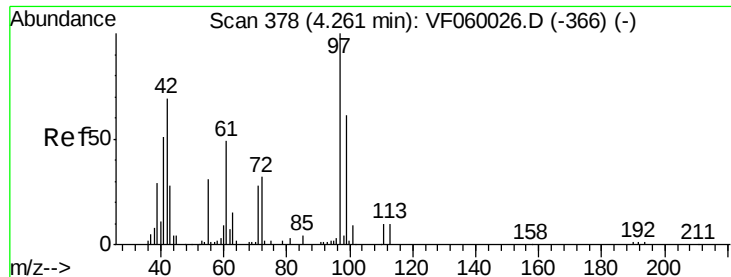


#28

Bromochloromethane
Concen: 45.29 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	47444		
129	0.0	0.0	7.4	
130	88.1	78.0	117.0	





#29

Tetrahydrofuran

Concen: 225.05 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.03 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

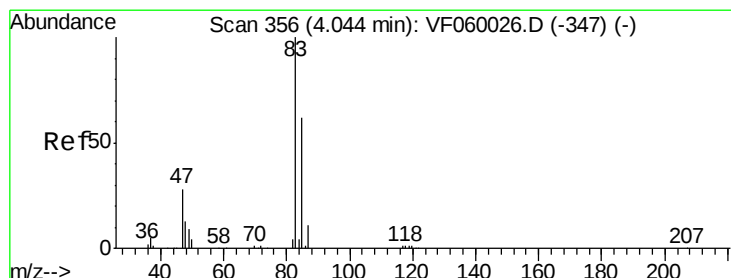
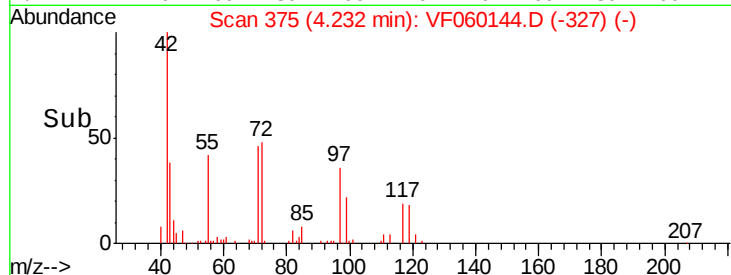
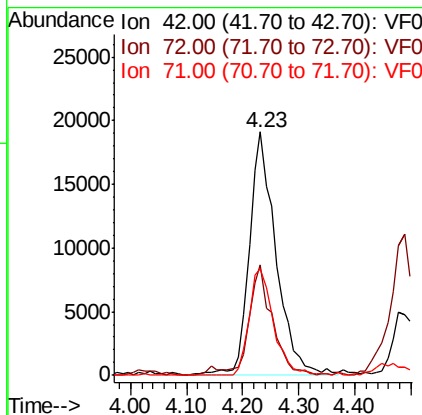
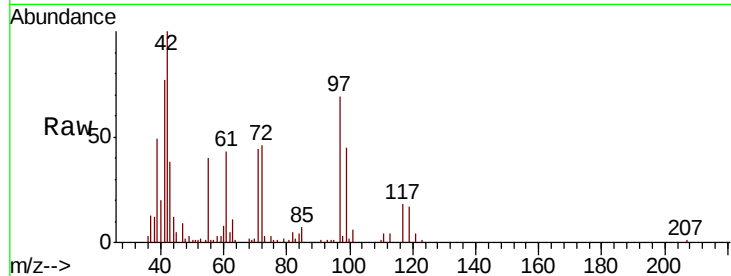
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	63071
Ion Ratio		Lower	Upper
42	100		
72	38.8	31.4	47.2
71	40.0	29.7	44.5

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#30

Chloroform

Concen: 58.78 ug/l

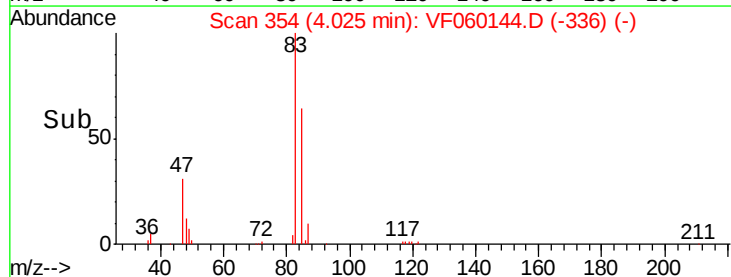
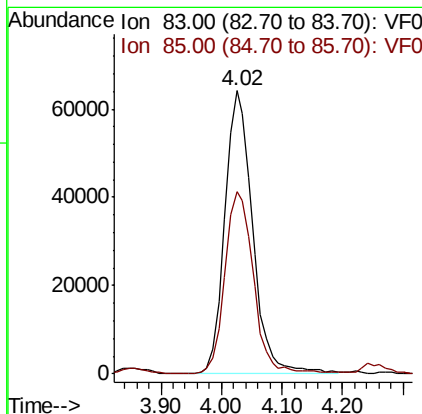
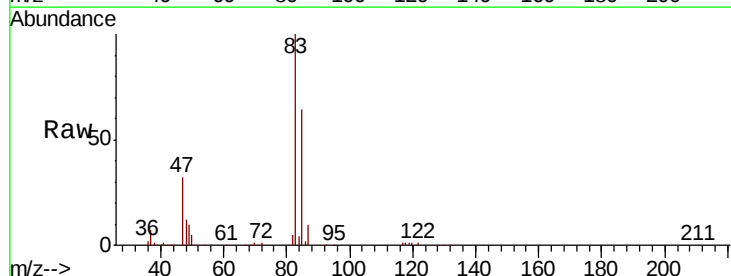
RT: 4.02 min Scan# 354

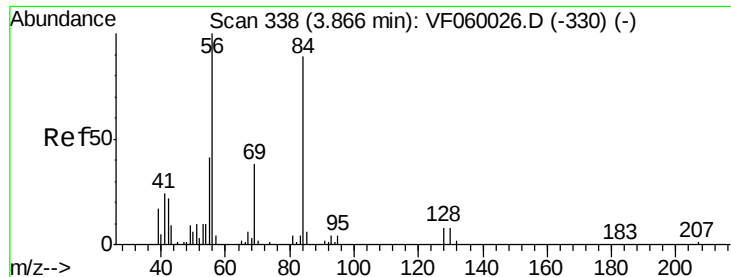
Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Tgt Ion:	83	Resp:	204702
Ion Ratio		Lower	Upper
83	100		
85	64.5	49.5	74.3





#31

Cyclohexane

Concen: 47.36 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

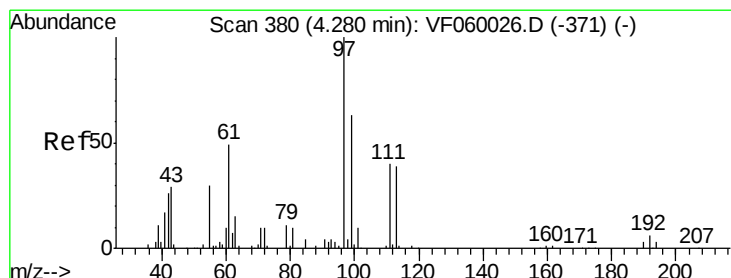
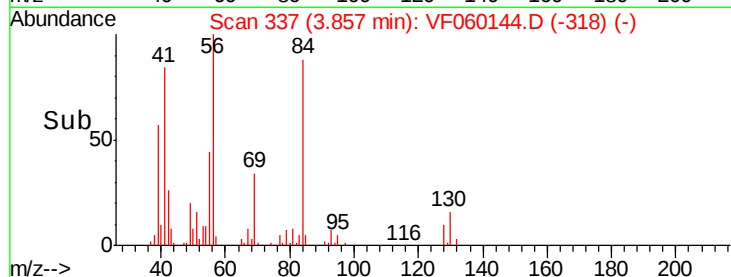
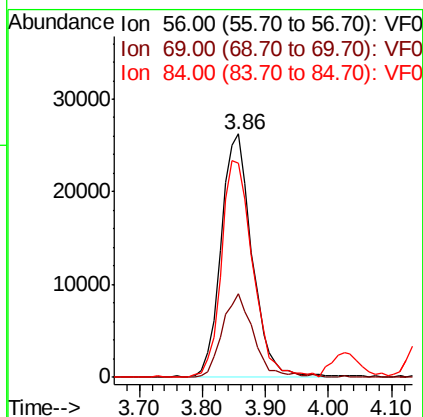
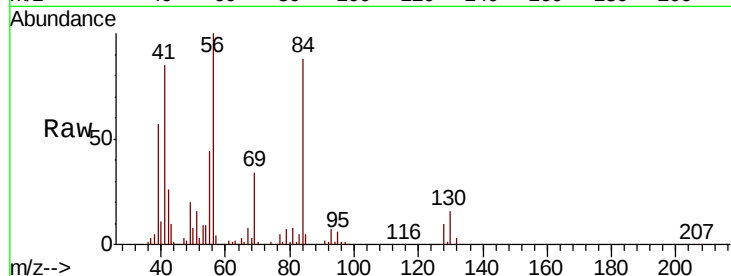
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	89545
Ion Ratio	Lower	Upper	
56	100		
69	34.2	30.4	45.6
84	87.8	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 62.83 ug/l

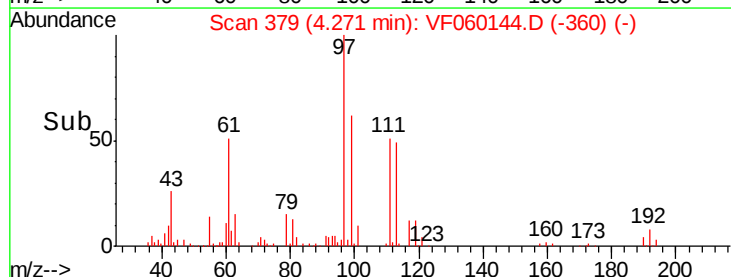
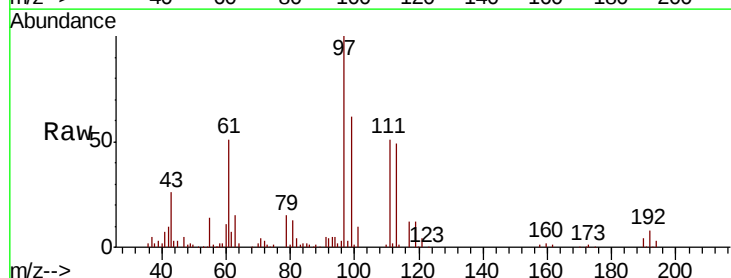
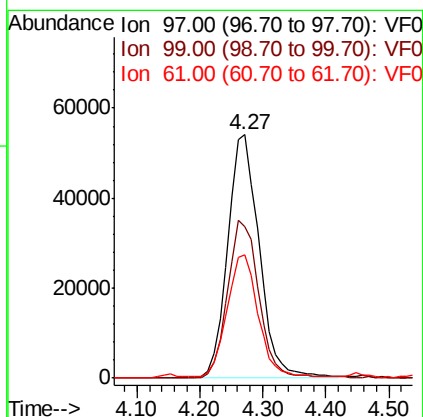
RT: 4.27 min Scan# 379

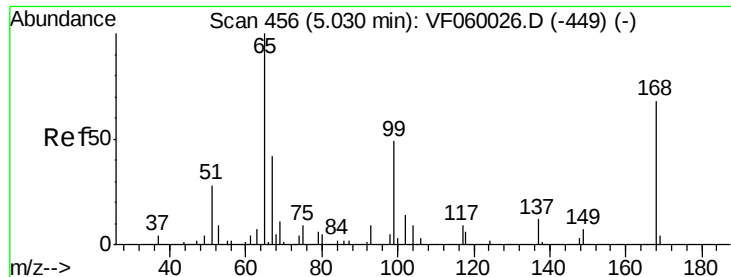
Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Tgt Ion:	97	Resp:	187390
Ion Ratio	Lower	Upper	
97	100		
99	62.2	50.3	75.5
61	50.8	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 53.51 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Tot Ion: 65 Resp: 116342

Ion Ratio Lower Upper

65 100

67 43.9 0.0 92.0

Instrument :

MSVOA_F

ClientSampleId :

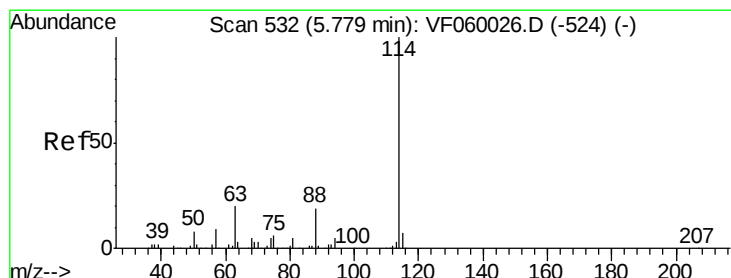
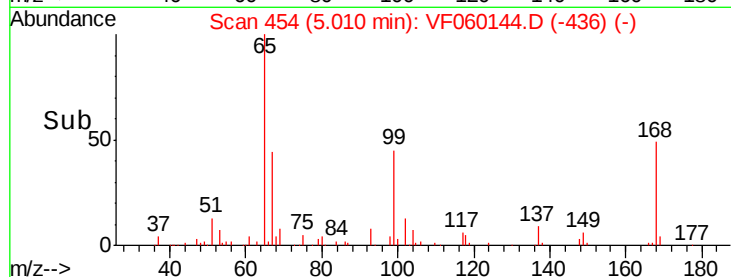
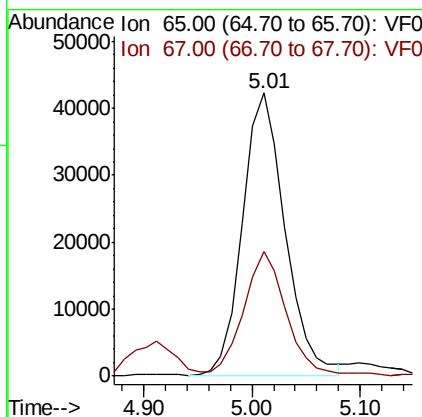
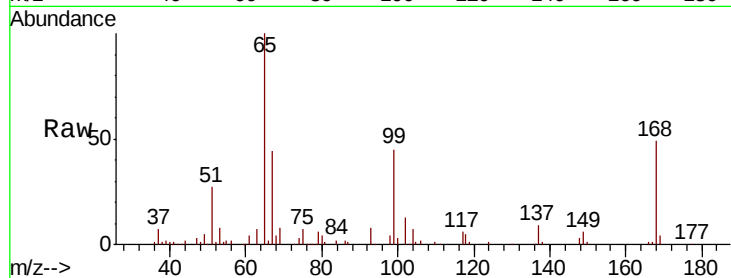
VSTDCCC050

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

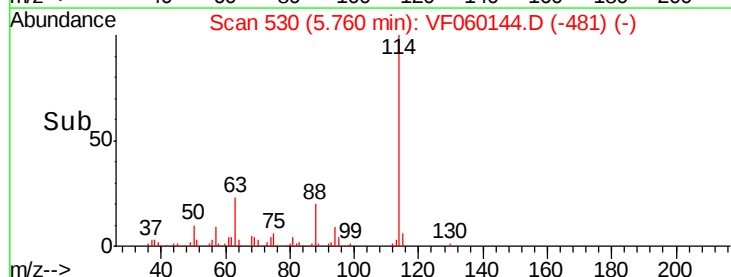
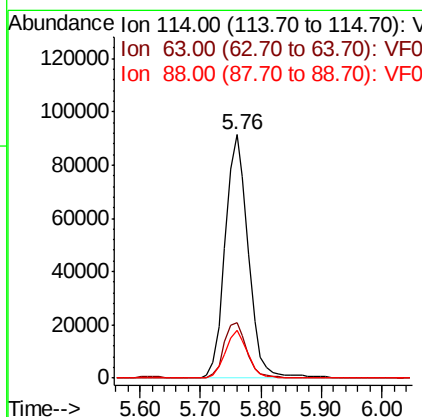
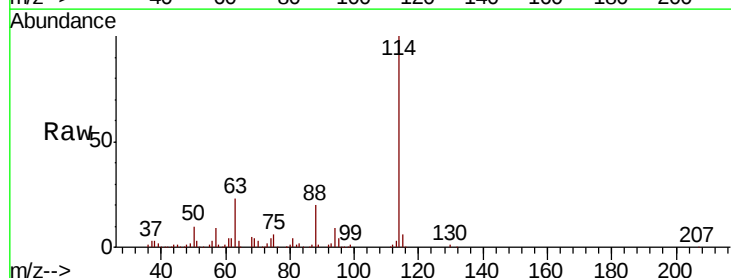
Tgt Ion: 114 Resp: 243294

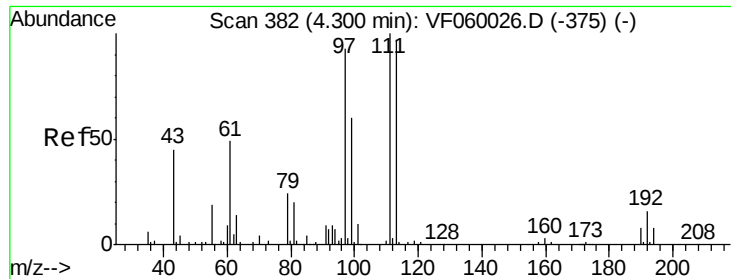
Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.4

88 19.6 0.0 38.6





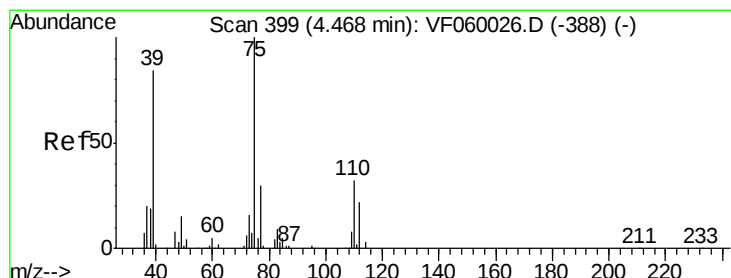
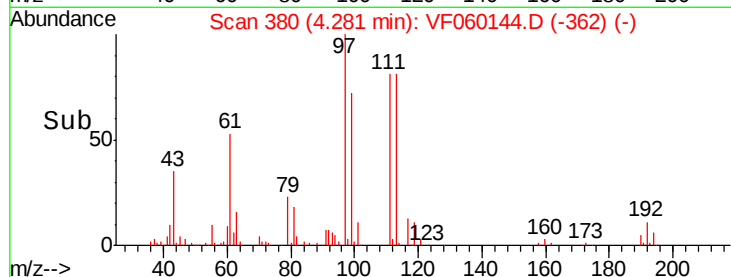
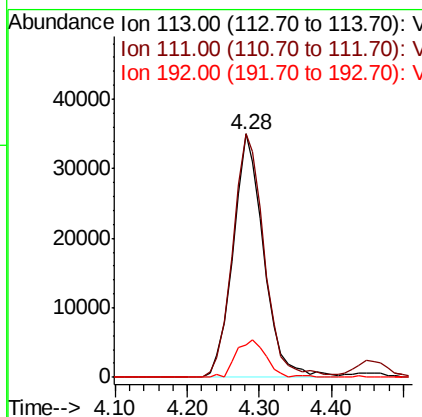
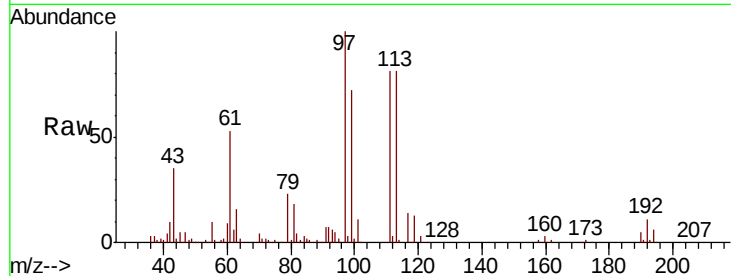
#35
 Dibromofluoromethane
 Concen: 54.14 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103434		
111	99.9	82.7	124.1	
192	13.1	13.0	19.4	

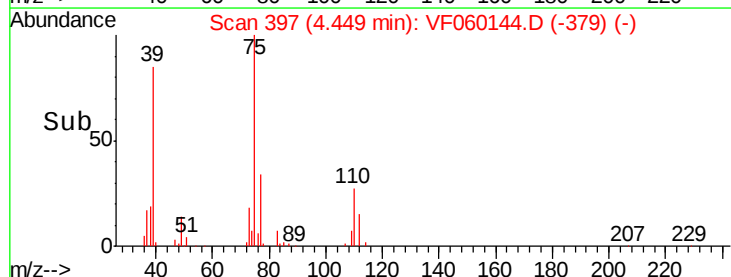
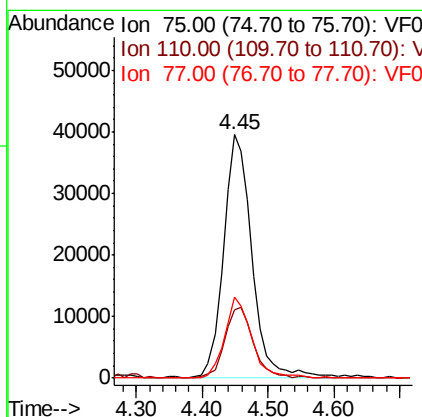
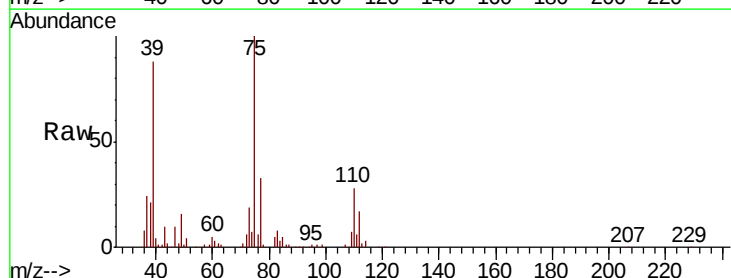
Manual Integrations
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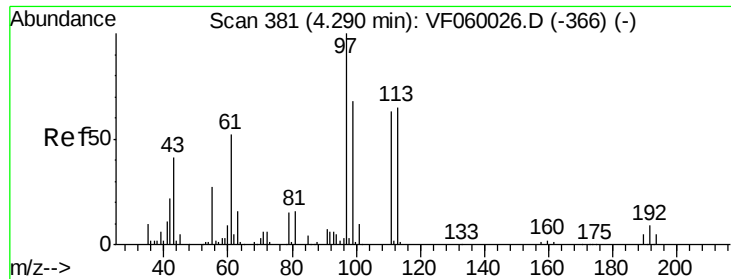
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#36
 1,1-Dichloropropene
 Concen: 52.17 ug/l
 RT: 4.45 min Scan# 397
 Delta R.T. -0.02 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119280		
110	28.1	16.0	47.9	
77	33.2	24.1	36.1	





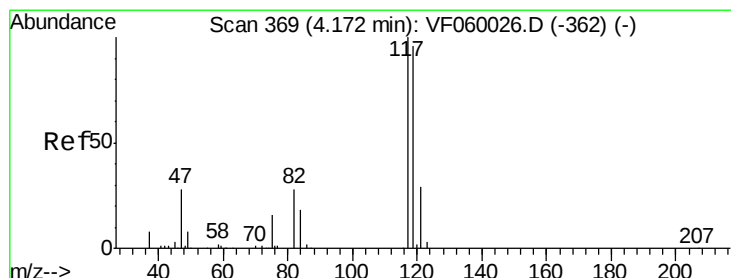
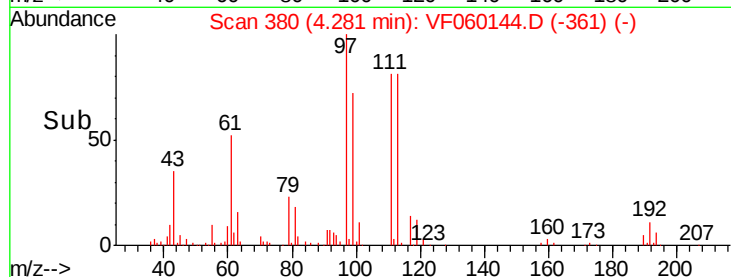
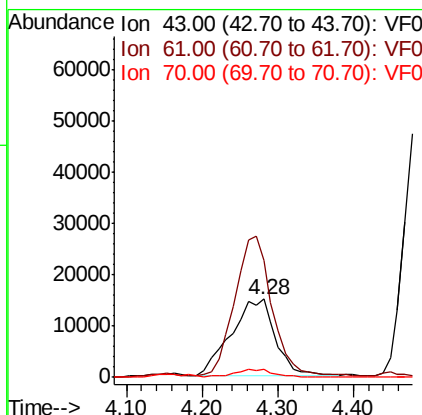
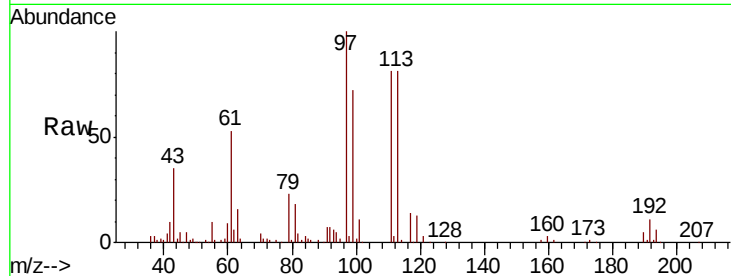
#37
Ethyl Acetate
Concen: 44.33 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	60613	149.3	10.5
Ratio	100	101.5	6.4
Lower		152.3	9.6#
Upper			

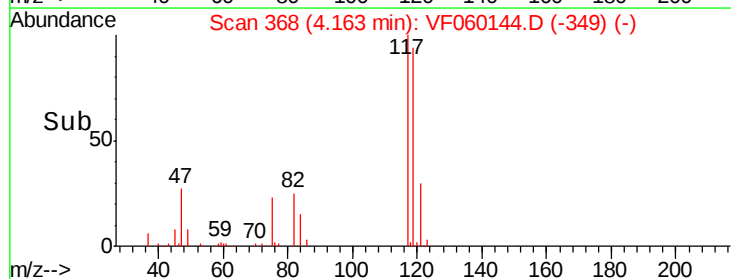
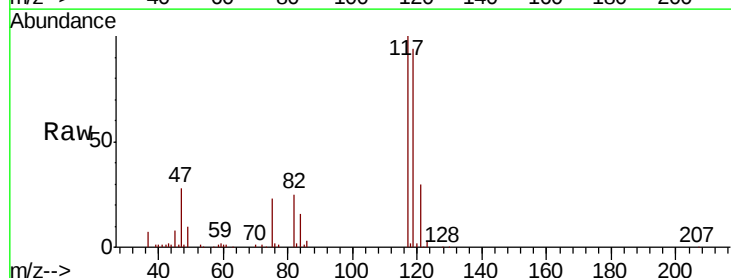
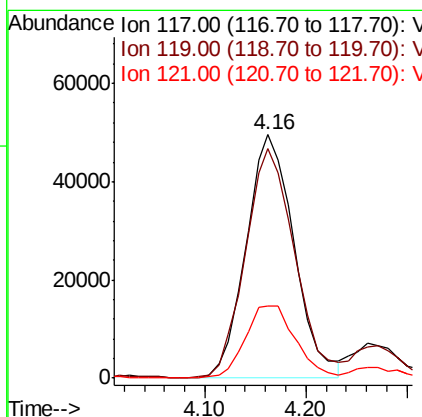
Manual Integrations
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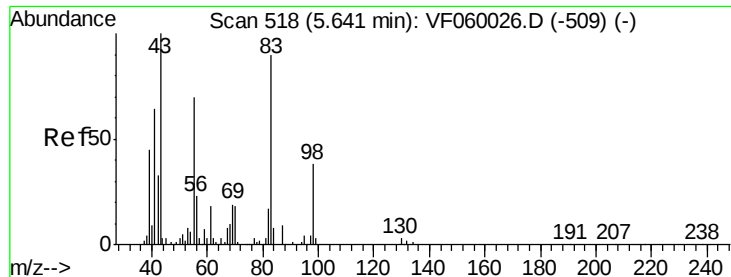
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#38
Carbon Tetrachloride
Concen: 62.21 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	117	119	121
Resp	164700	94.5	29.8
Ratio	100	76.5	23.0
Lower		114.7	34.6
Upper			





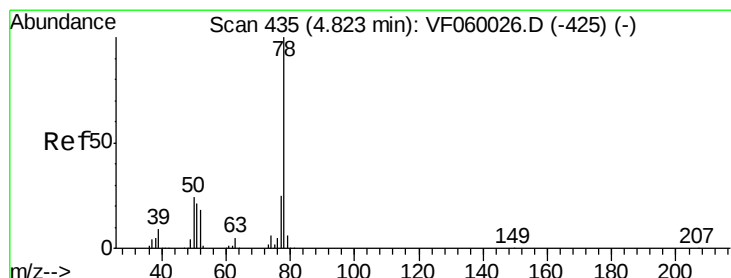
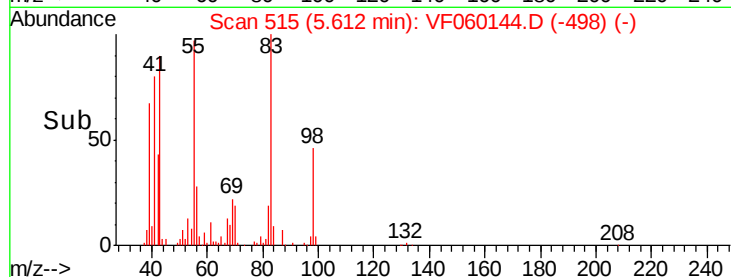
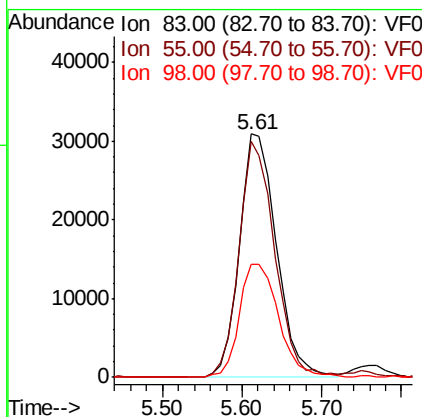
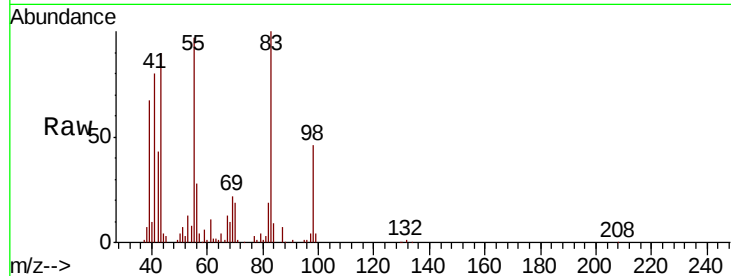
#39
Methvlcvclohexane
Concen: 46.41 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.03 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.1	62.7	94.1#
98	46.3	33.8	50.8

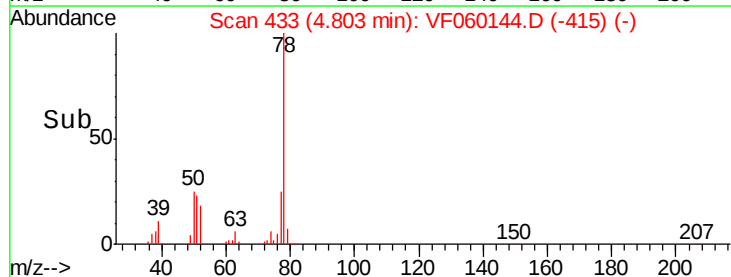
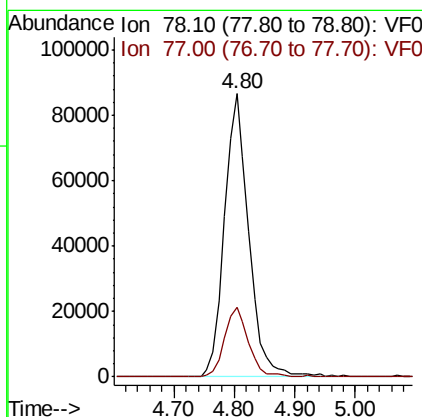
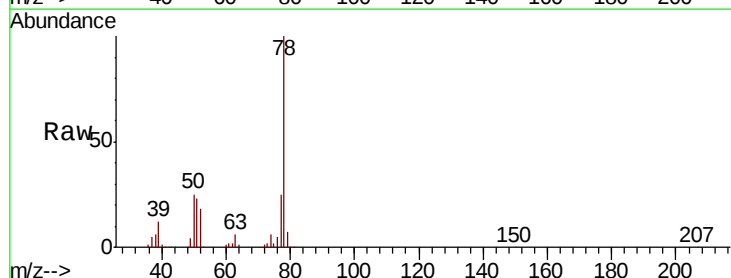
Manual Integrations
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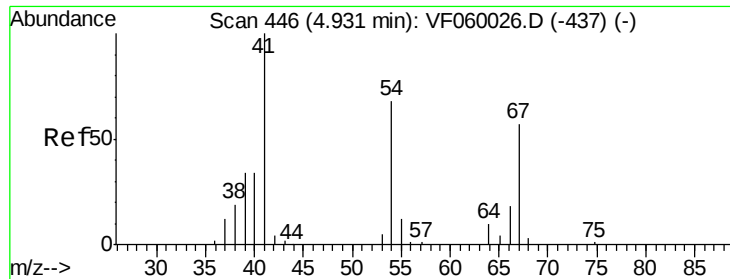
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#40
Benzene
Concen: 48.39 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.8	29.6





#41

Methacrylonitrile

Concen: 48.05 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.03 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

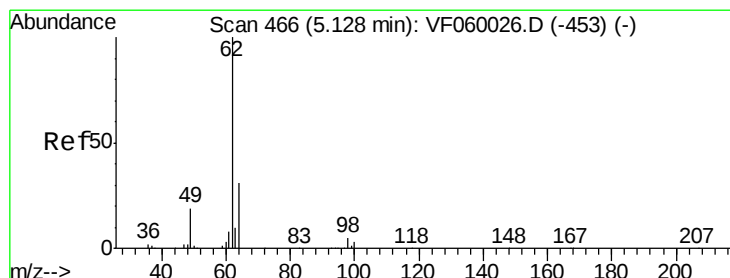
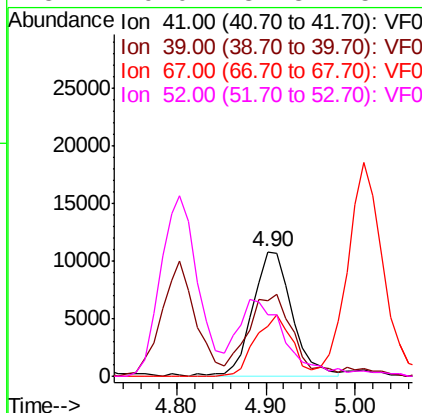
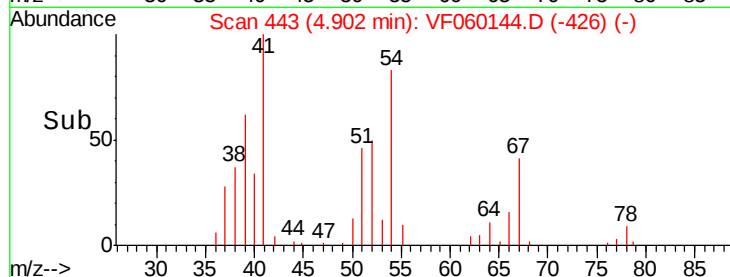
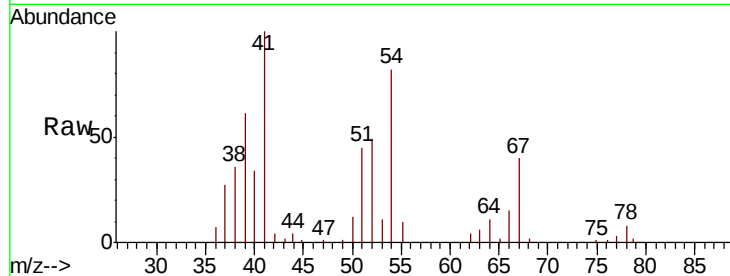
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.6	52.9	79.3
67	40.3	45.3	67.9#
52	49.0	34.8	52.2

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#42

1,2-Dichloroethane

Concen: 56.94 ug/l

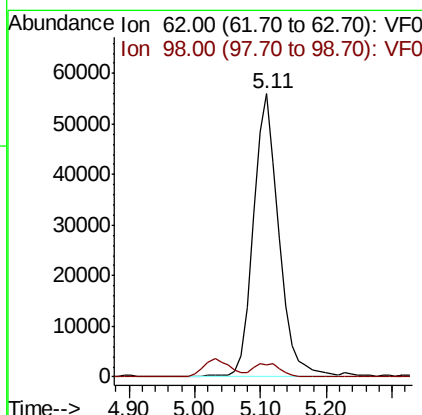
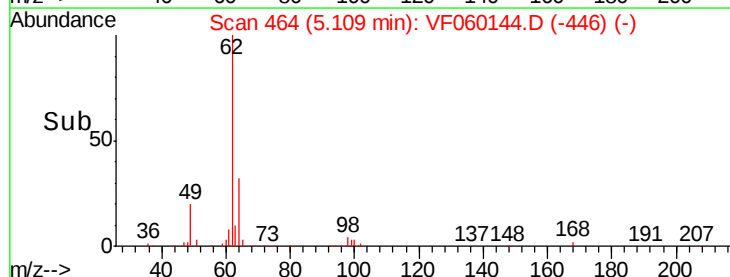
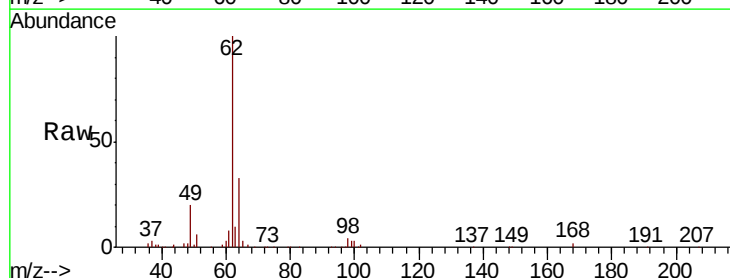
RT: 5.11 min Scan# 464

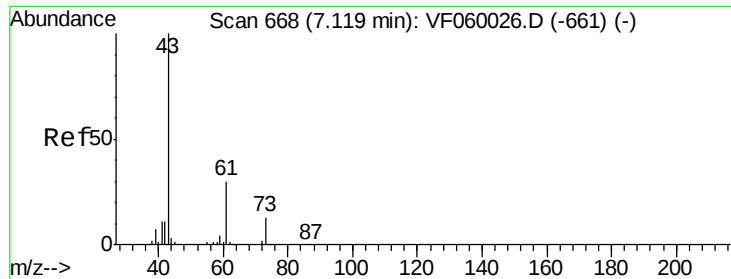
Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	11.2





#43

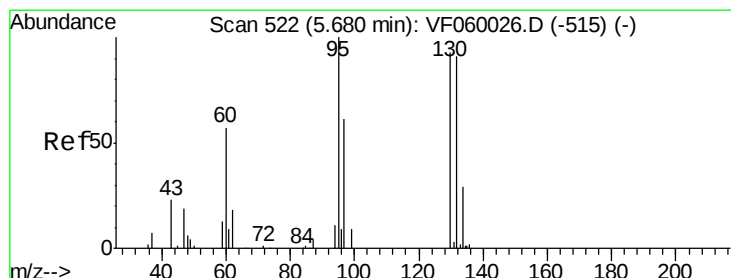
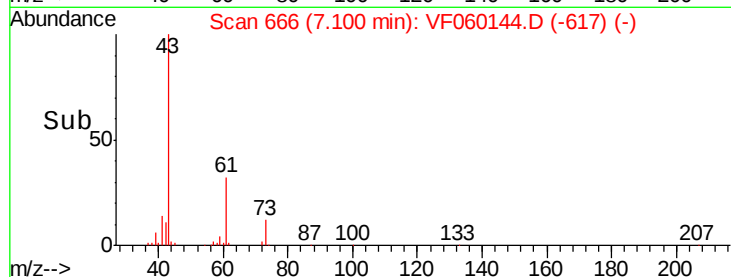
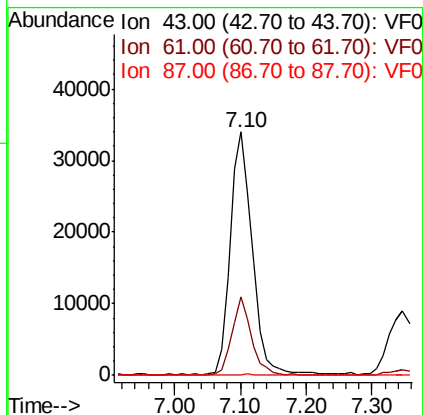
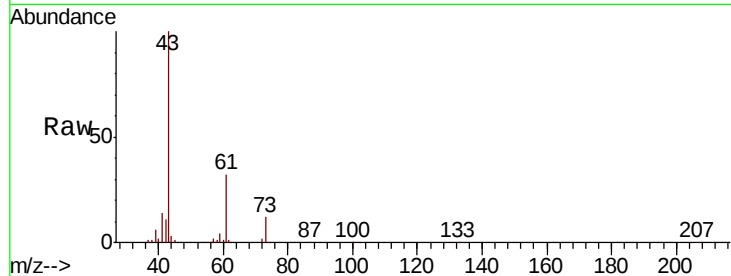
Isopropyl Acetate
 Concen: 46.93 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.4	23.8	35.6
87	0.3	0.2	0.4

Manual Integrations
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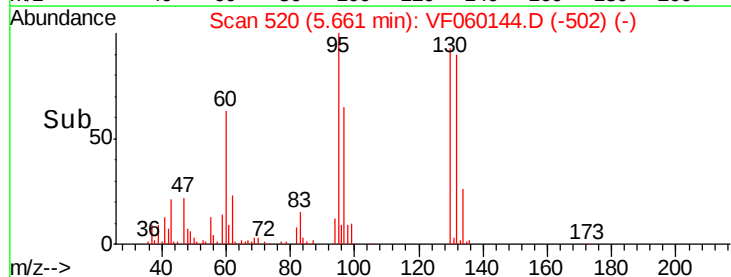
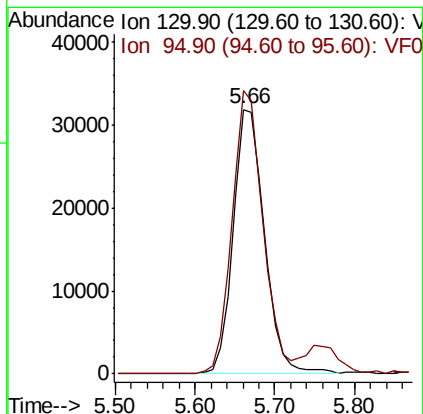
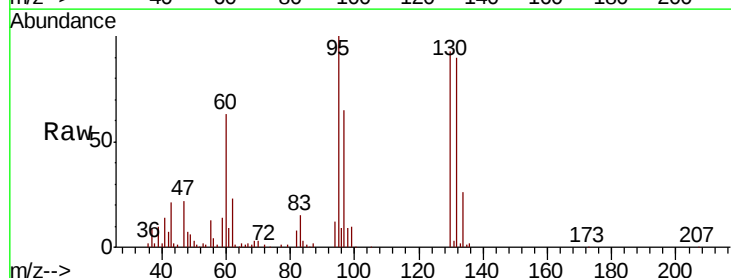
apatel
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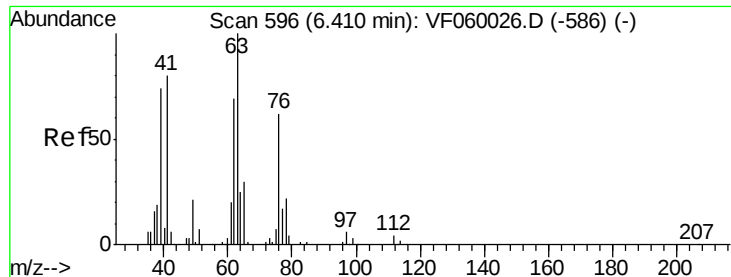


#44

Trichloroethene
 Concen: 52.78 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.02 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	215.8





#45

1,2-Dichloropropane

Concen: 51.61 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 72915

Ion Ratio Lower Upper

63 100

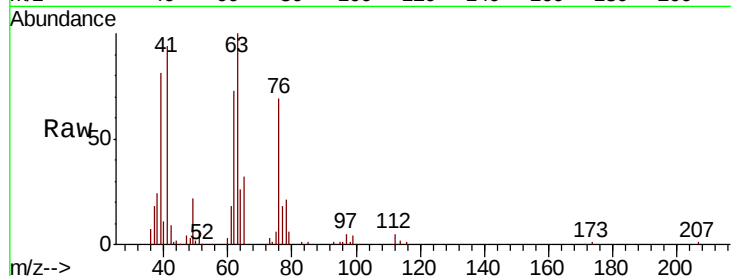
65 31.9 23.8 35.6

Manual Integrations

APPROVED

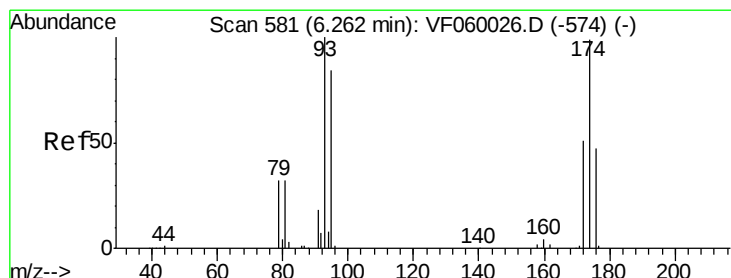
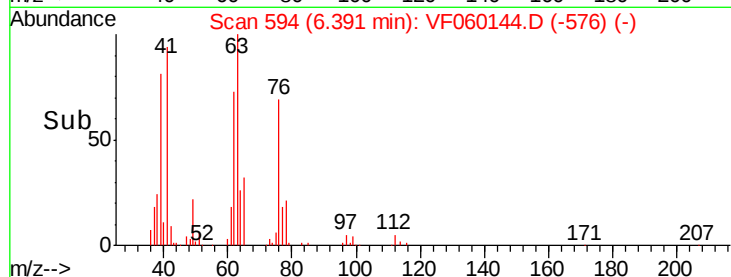
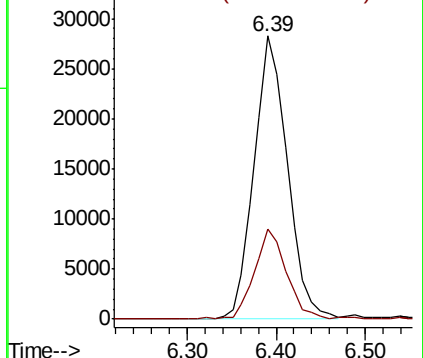
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 55.10 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

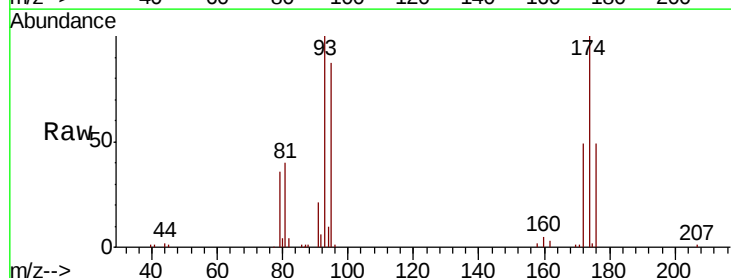
Tgt Ion: 93 Resp: 60909

Ion Ratio Lower Upper

93 100

95 86.7 67.1 100.7

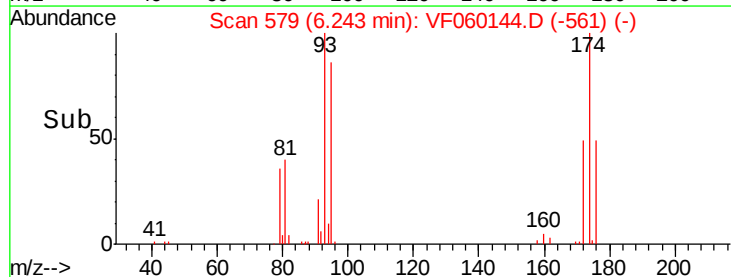
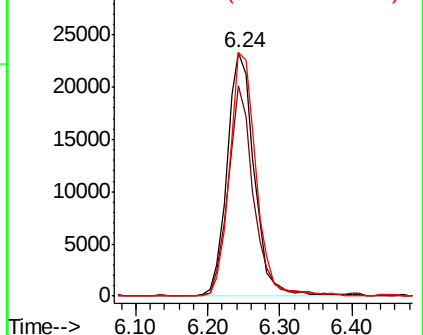
174 101.5 79.0 118.4

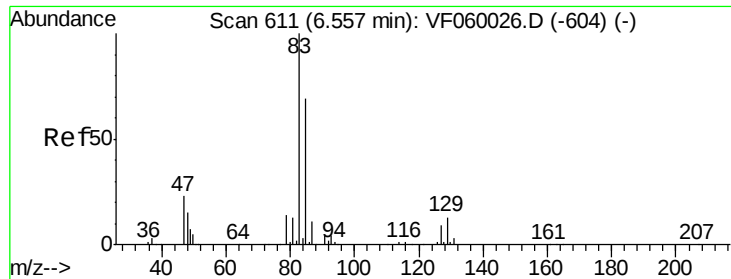


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 59.89 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

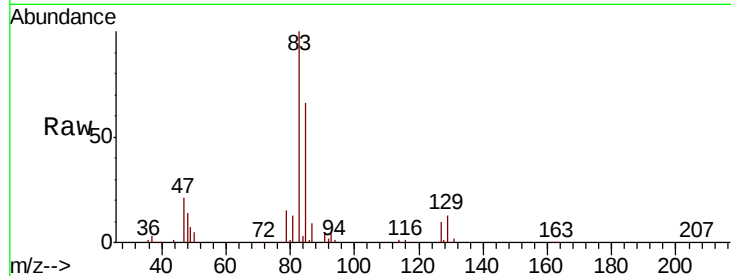
ClientSampleId :

VSTDCCC050

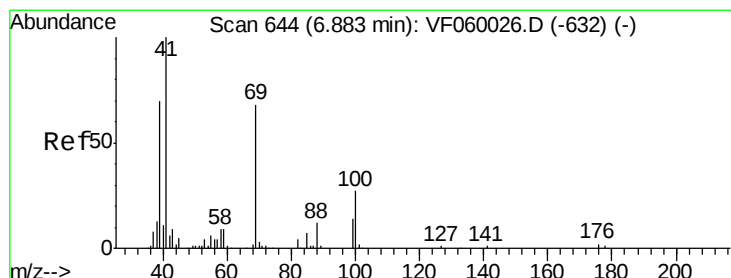
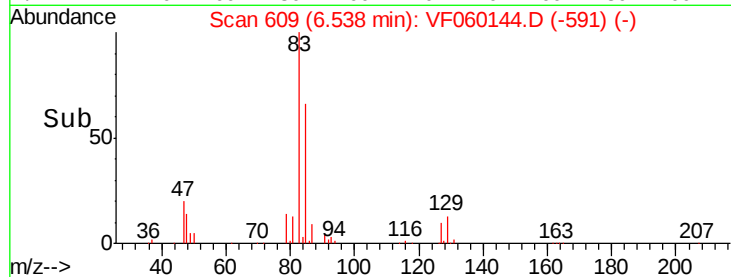
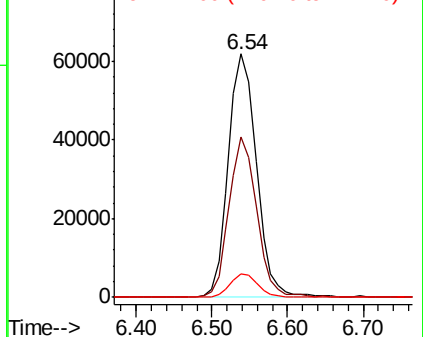
Tot Ion:	83	Resp:	159919
Ion Ratio	Lower	Upper	
83	100		
85	65.8	55.2	82.8
127	9.5	7.3	10.9

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 45.72 ug/l

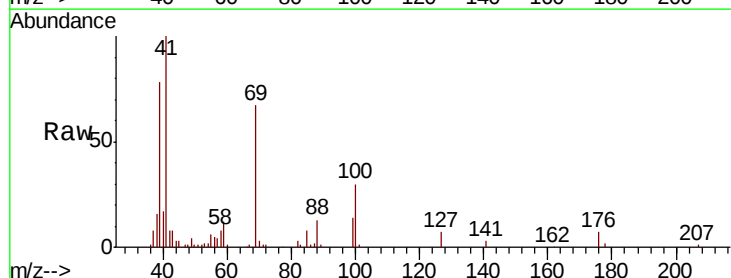
RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

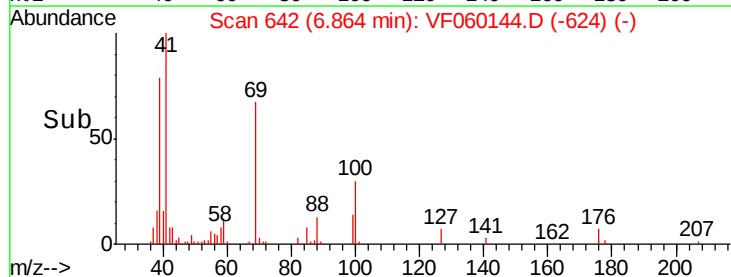
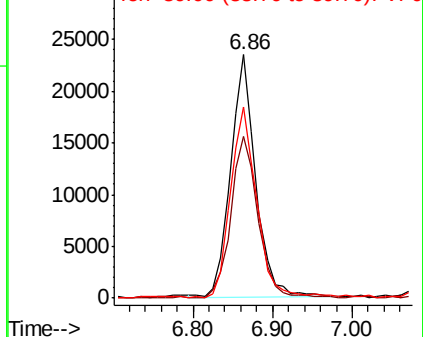
Lab File: VF060144.D

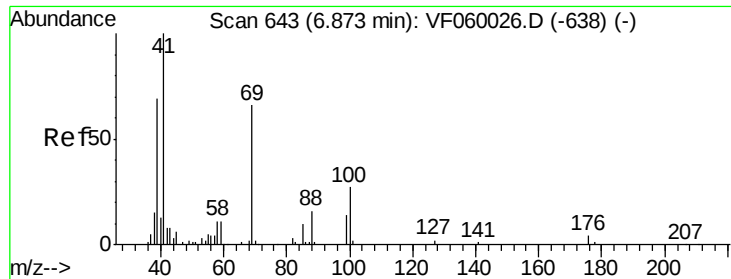
Acq: 28 Aug 2018 12:17

Tgt Ion:	41	Resp:	52067
Ion Ratio	Lower	Upper	
41	100		
69	66.6	54.6	81.8
39	78.4	56.5	84.7



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





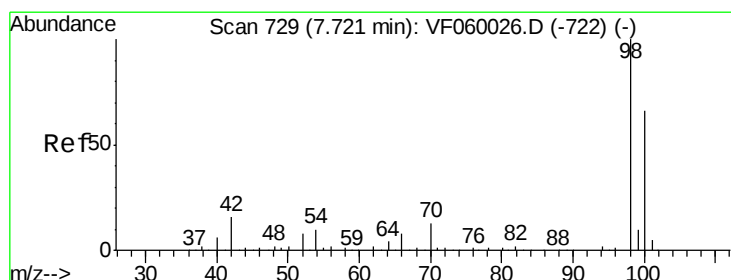
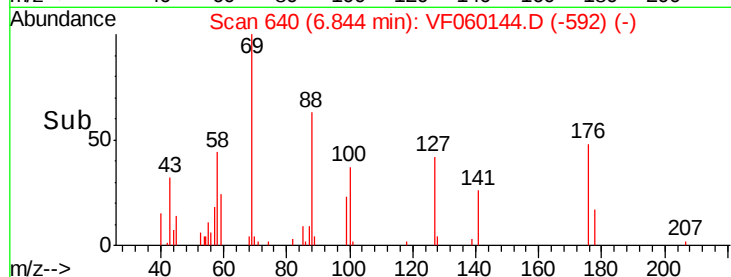
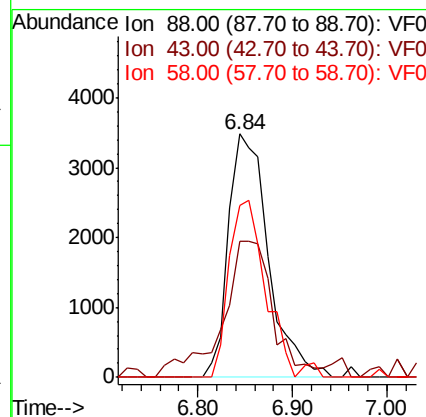
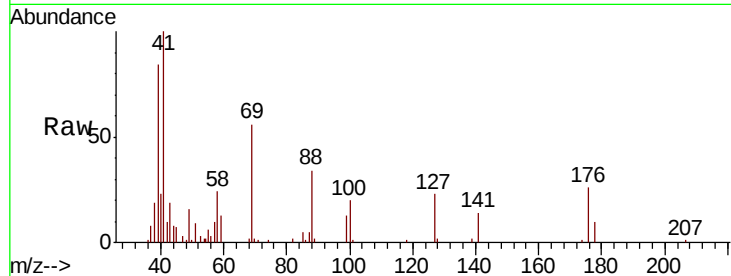
#49
1,4-Dioxane
Concen: 930.82 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.03 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	56.1	46.5	69.7
58	70.4	54.8	82.2

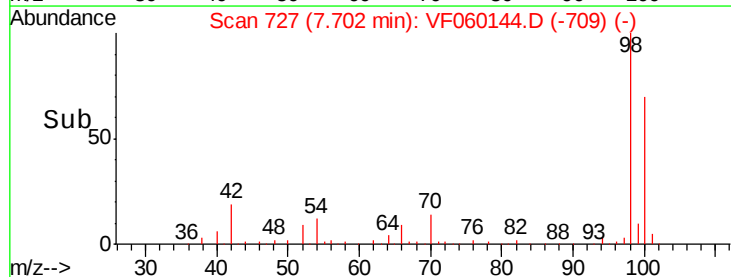
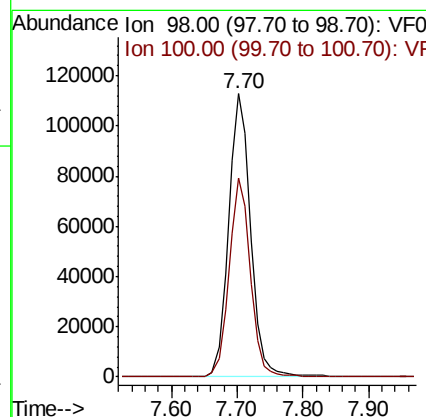
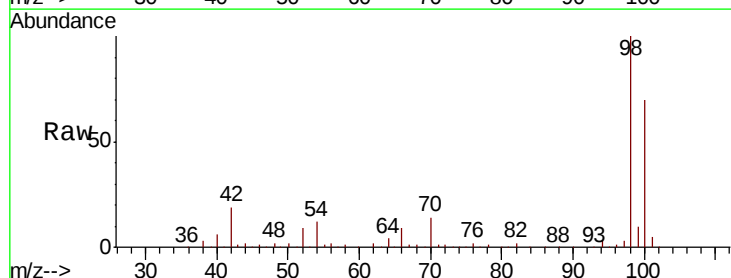
Manual Integrations
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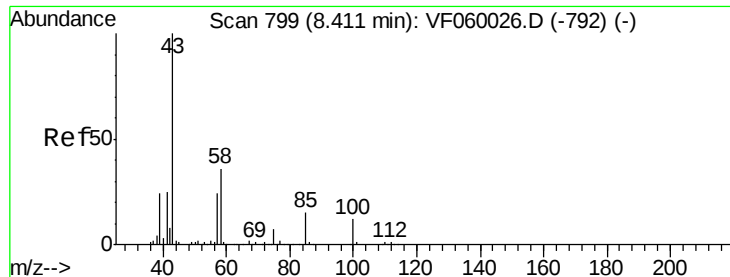
apatel
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#50
Toluene-d8
Concen: 48.56 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.1	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 249.25 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 370423

Ion Ratio Lower Upper

43 100

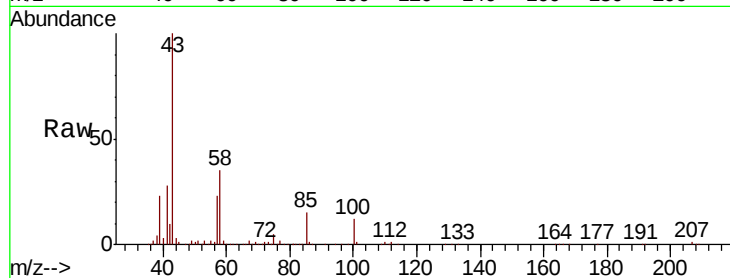
58 34.8 28.6 42.8

Manual Integrations

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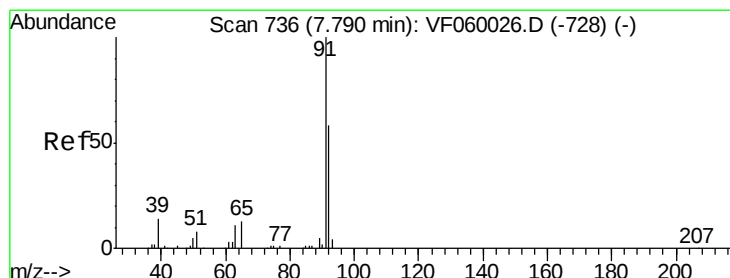
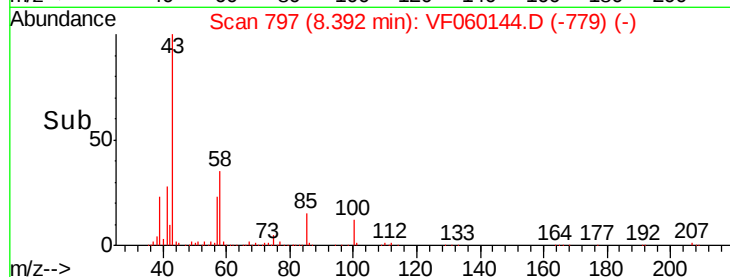
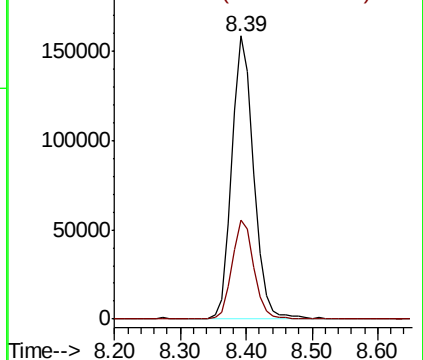
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 58.12 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060144.D

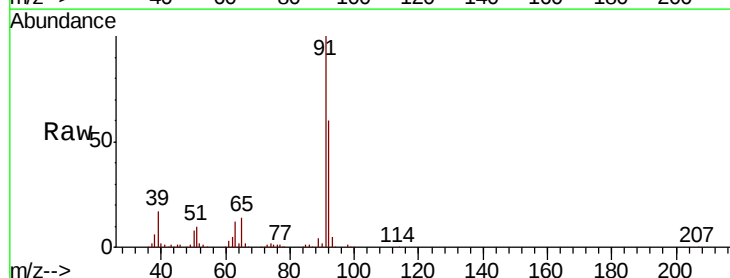
Acq: 28 Aug 2018 12:17

Tgt Ion: 92 Resp: 184177

Ion Ratio Lower Upper

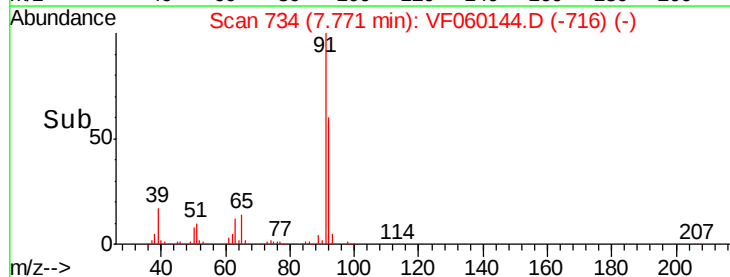
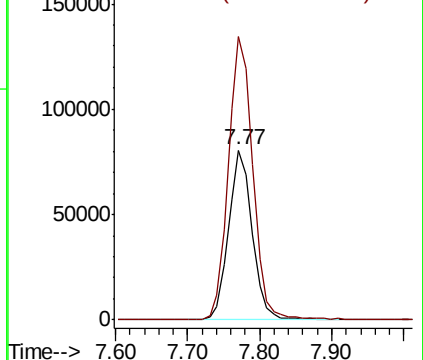
92 100

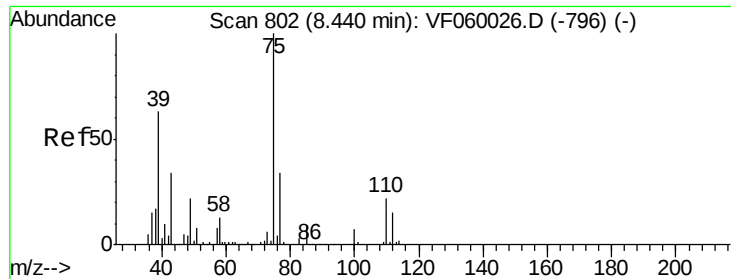
91 166.9 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 54.81 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 132716

Ion Ratio Lower Upper

75 100

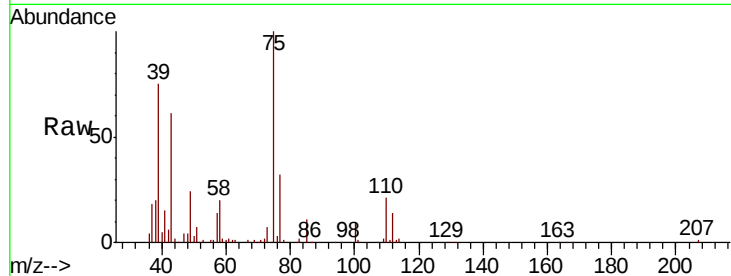
77 31.8 27.4 41.2

Manual Integrations

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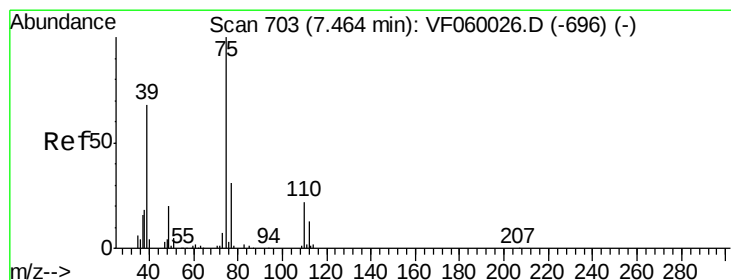
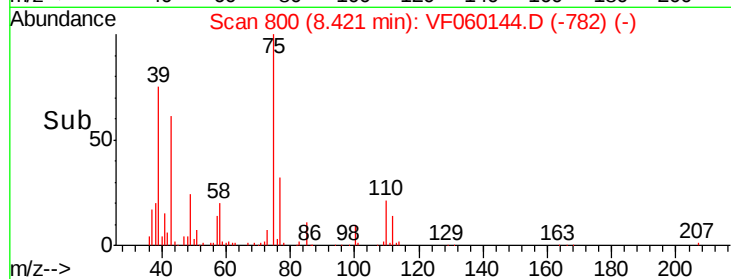
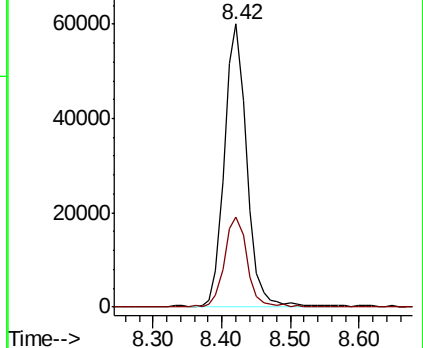
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 52.87 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

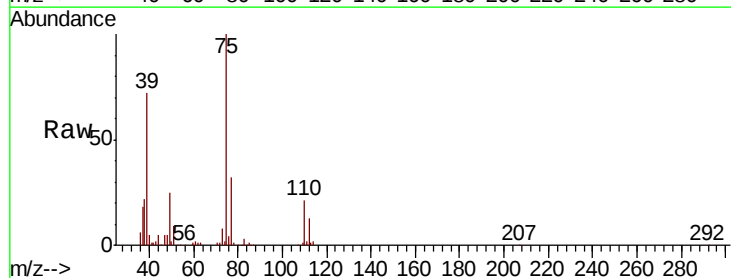
Tgt Ion: 75 Resp: 142882

Ion Ratio Lower Upper

75 100

77 32.2 24.6 37.0

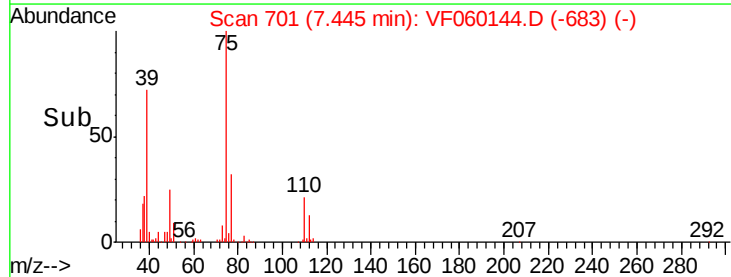
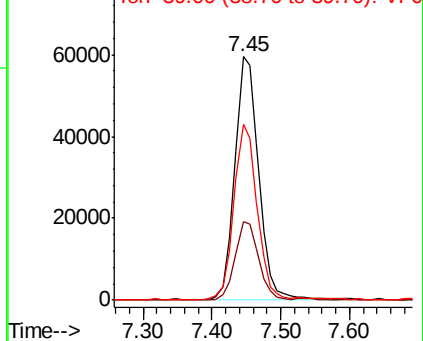
39 72.0 54.6 81.8

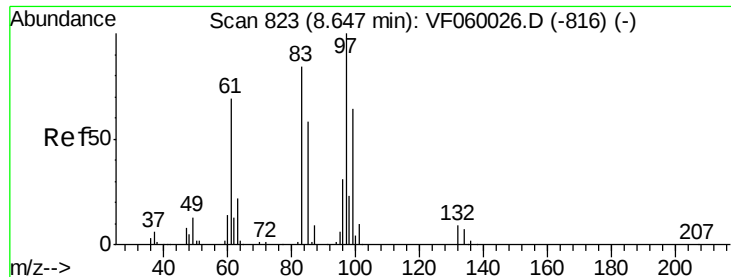


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





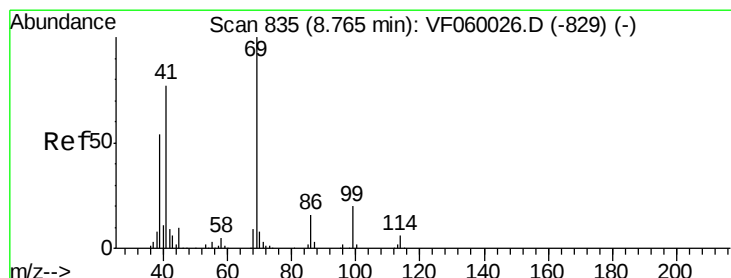
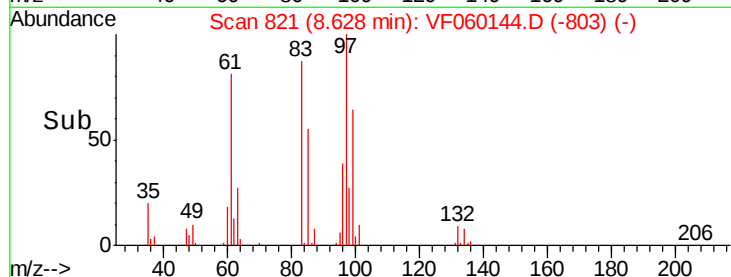
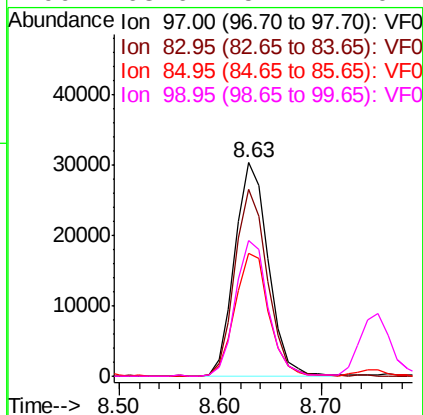
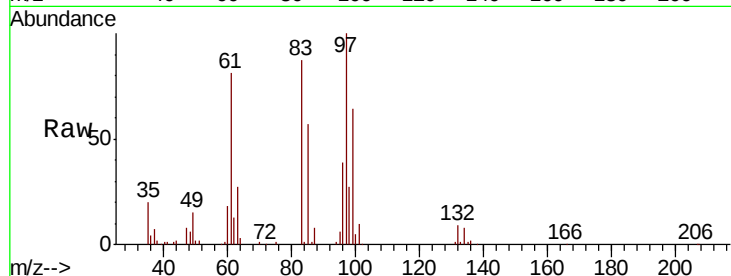
#55
 1,1,2-Trichloroethane
 Concen: 52.13 ug/l
 RT: 8.63 min Scan# 821
 Delta R.T. -0.02 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	70255
Ion	Ratio	Lower	Upper
97	100		
83	87.4	67.4	101.2
85	57.3	46.2	69.2
99	63.6	51.1	76.7

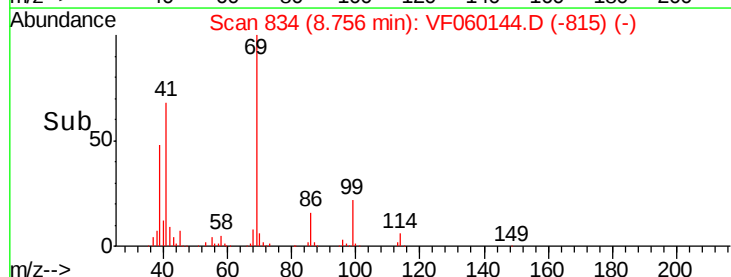
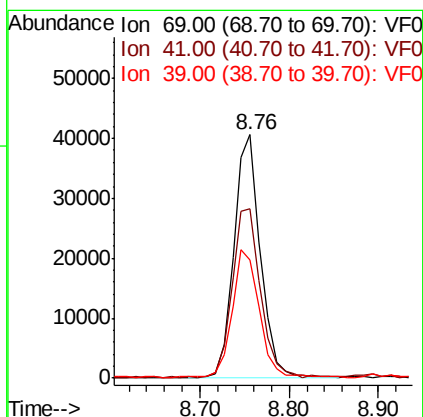
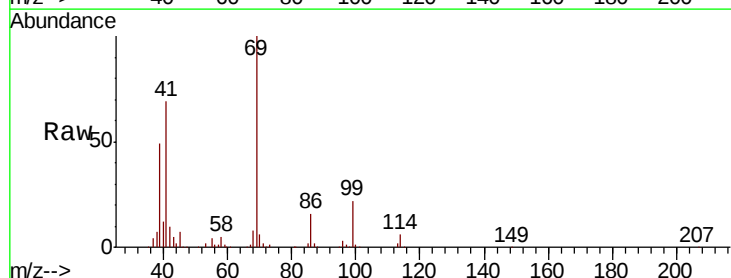
Manual Integrations
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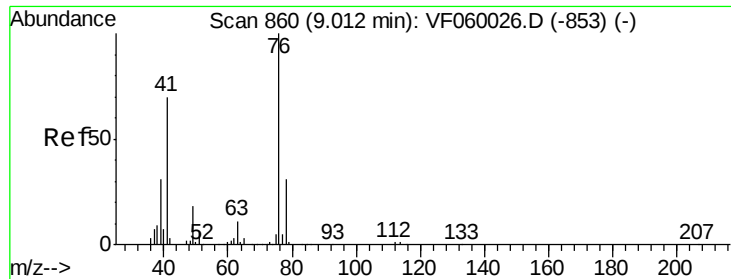
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#56
 Ethyl methacrylate
 Concen: 51.73 ug/l
 RT: 8.76 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Tgt Ion:	69	Resp:	84384
Ion	Ratio	Lower	Upper
69	100		
41	69.3	61.6	92.4
39	48.7	43.9	65.9





#57

1,3-Dichloropropane

Concen: 52.36 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 124014

Ion Ratio Lower Upper

76 100

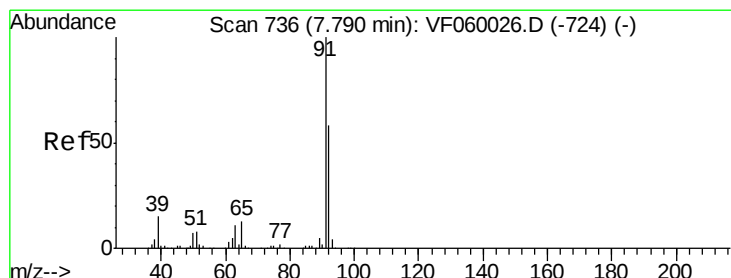
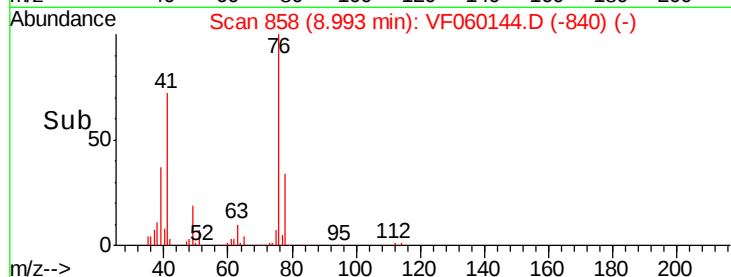
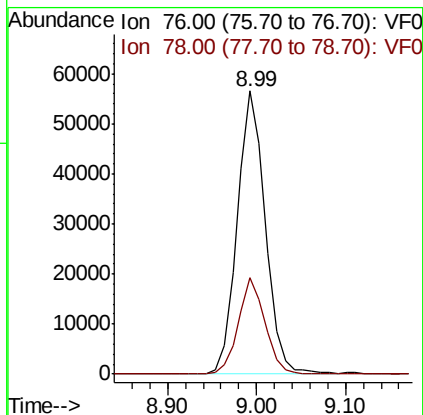
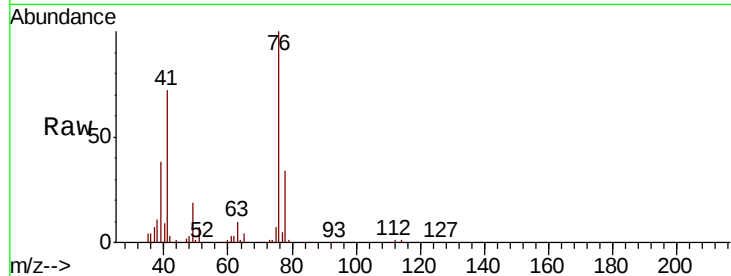
78 34.3 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 286.24 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060144.D

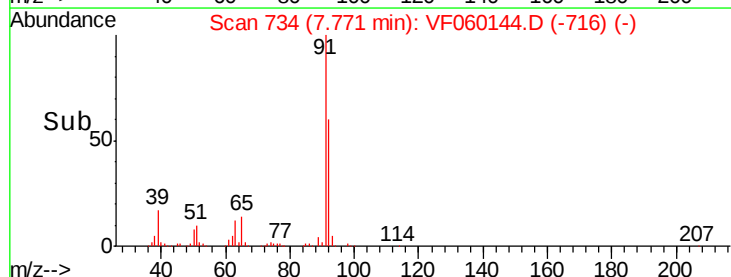
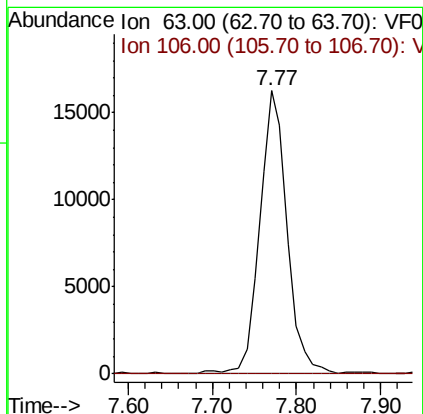
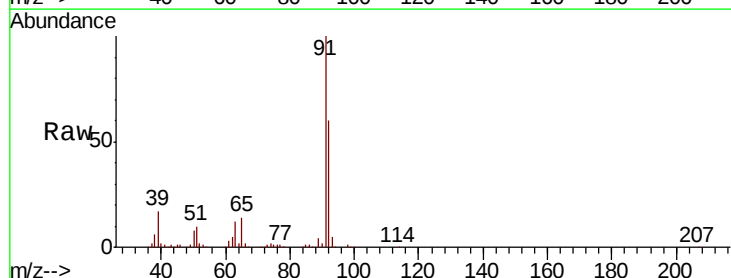
Acq: 28 Aug 2018 12:17

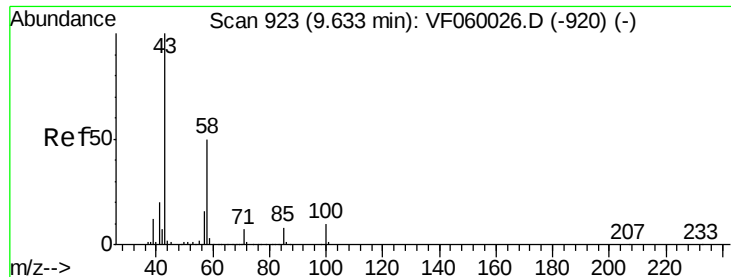
Tgt Ion: 63 Resp: 37062

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





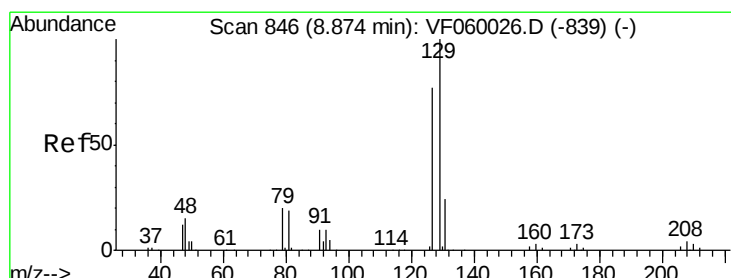
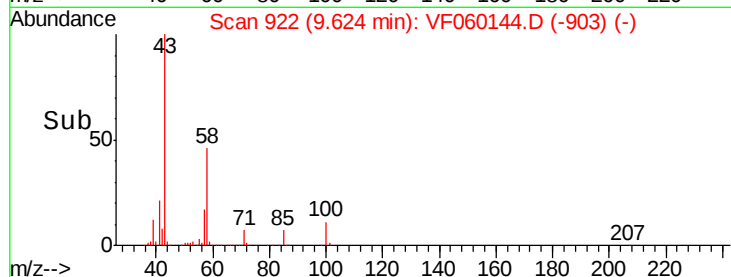
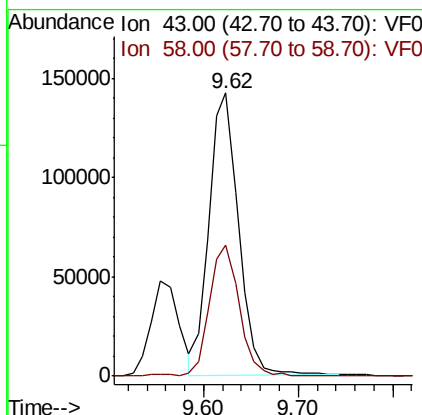
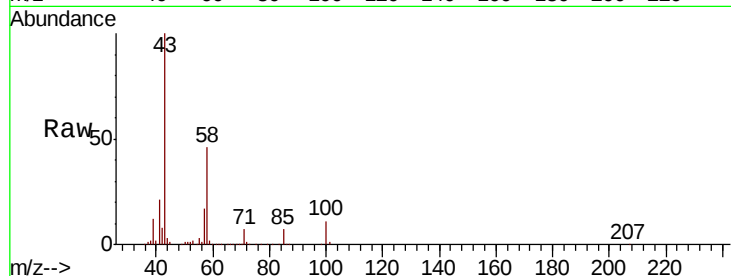
#59
2-Hexanone
Concen: 257.17 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 309337
Ion Ratio Lower Upper
43 100
58 46.3 23.4 70.2

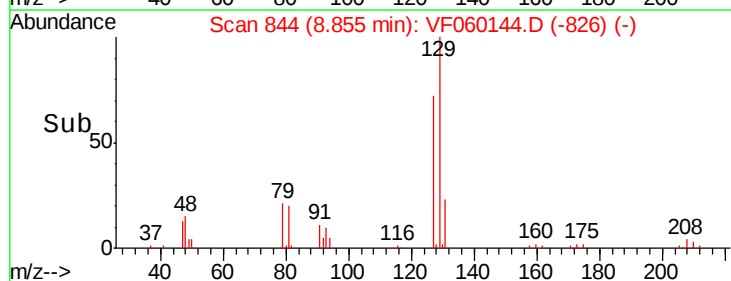
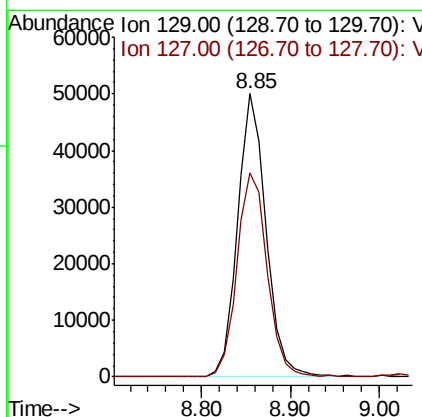
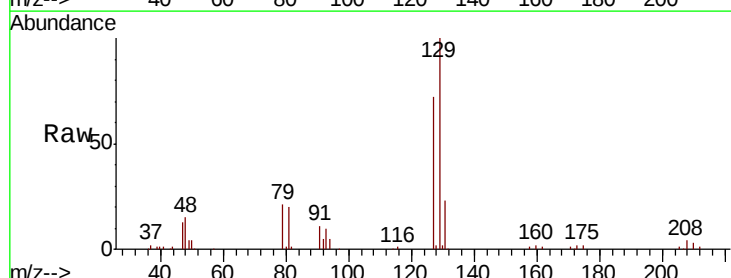
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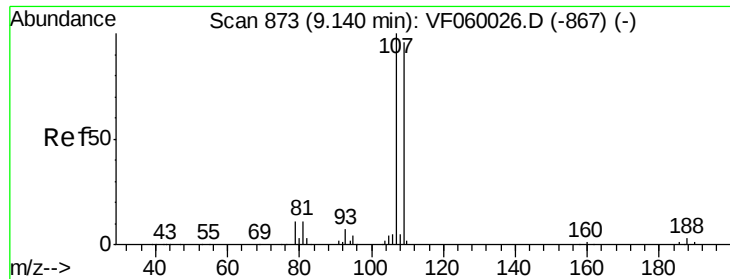
apatel
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#60
Dibromochloromethane
Concen: 55.84 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion: 129 Resp: 111094
Ion Ratio Lower Upper
129 100
127 71.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 49.90 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 78968

Ion Ratio Lower Upper

107 100

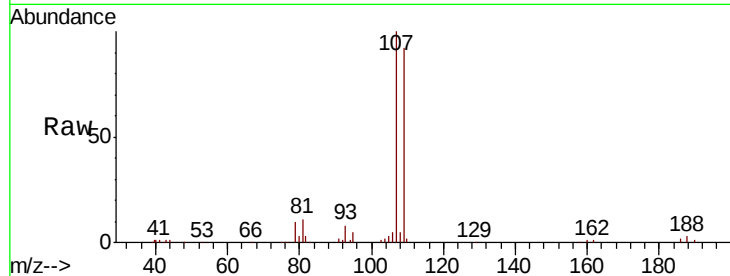
109 92.0 76.5 114.7

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

40000

30000

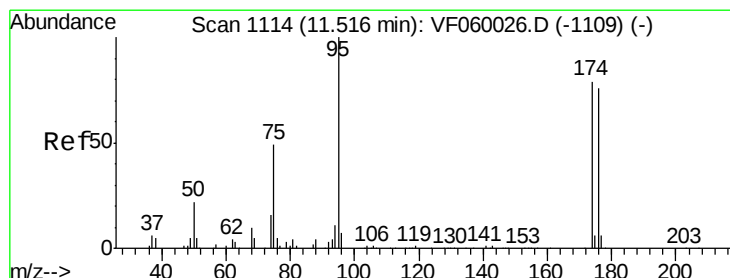
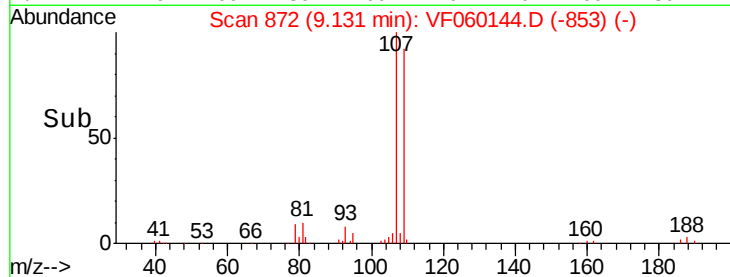
20000

10000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 51.86 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

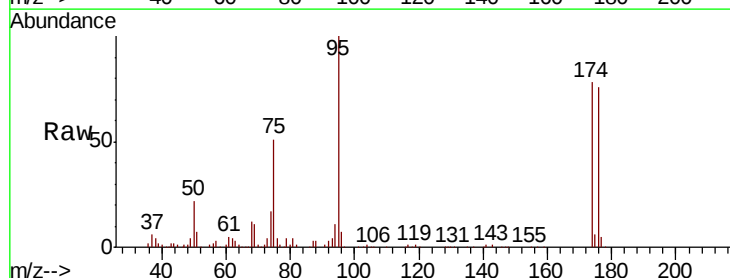
Tgt Ion: 95 Resp: 148861

Ion Ratio Lower Upper

95 100

174 77.7 0.0 158.4

176 75.7 0.0 153.0



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

120000

100000

80000

60000

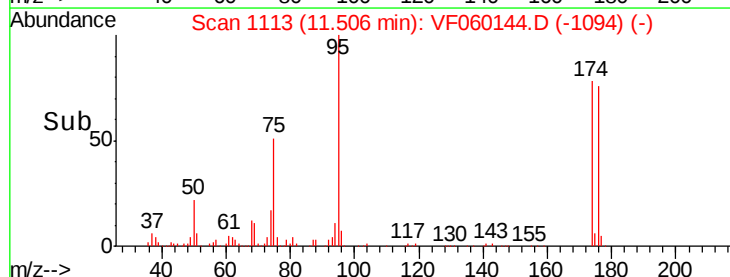
40000

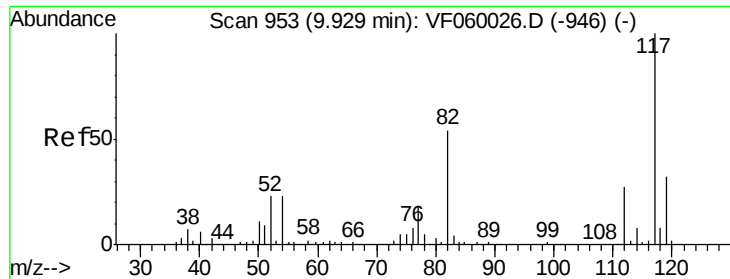
20000

0

Time-->

11.40 11.50 11.60





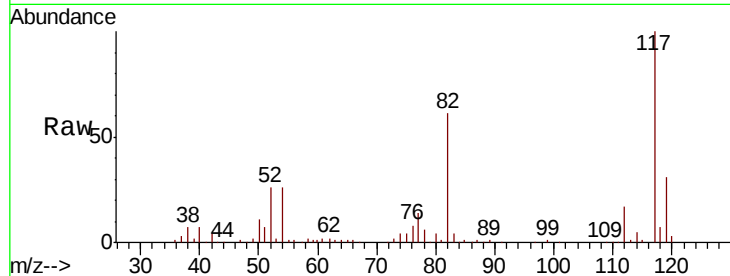
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	43.6	65.4
119	31.1	25.6	38.4

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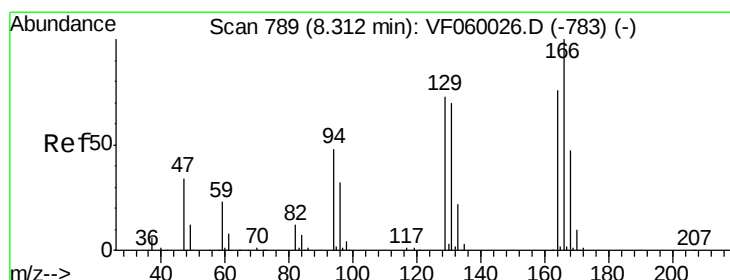
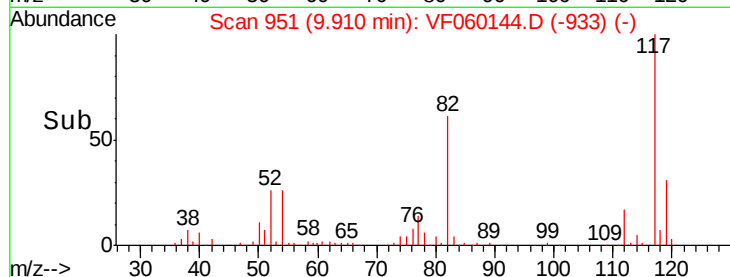
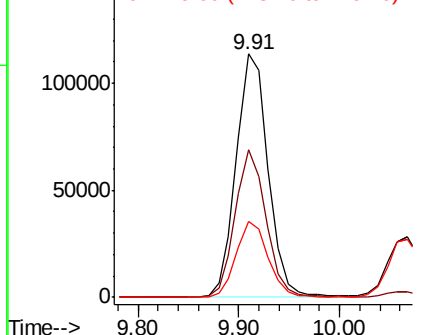


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 52.60 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	104.7	157.1
129	94.7	77.0	115.4
131	91.5	72.9	109.3

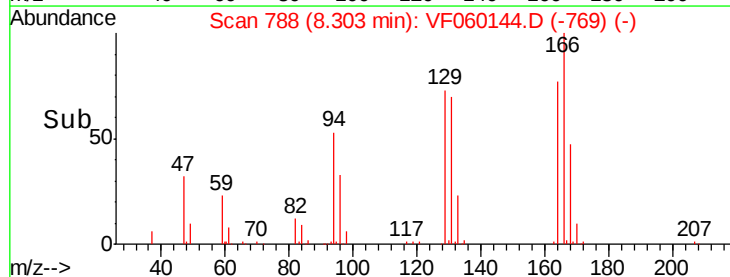
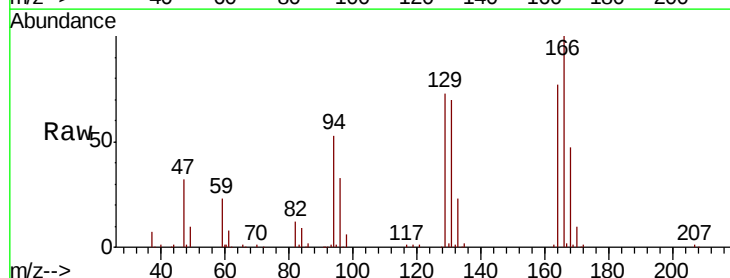
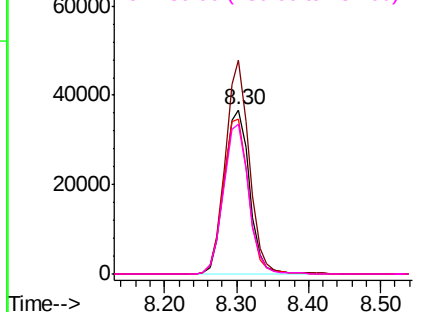
Abundance

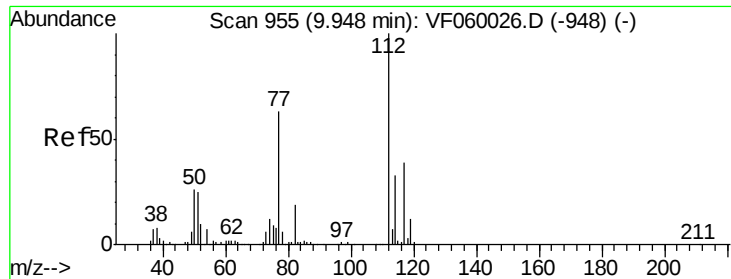
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





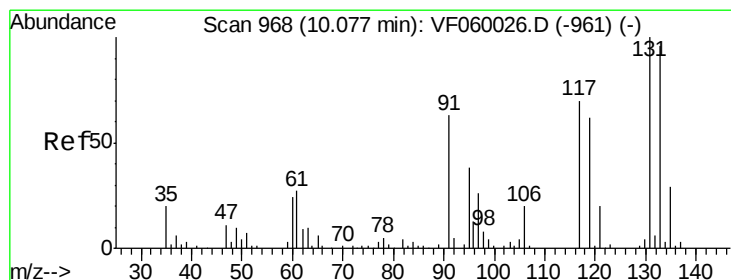
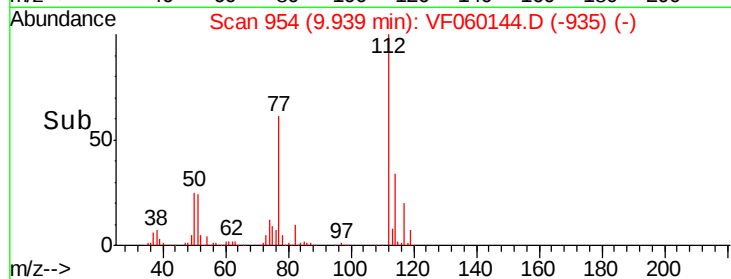
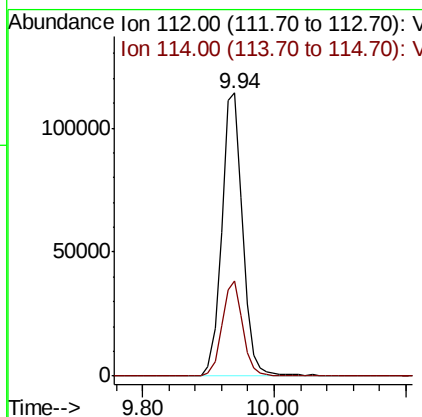
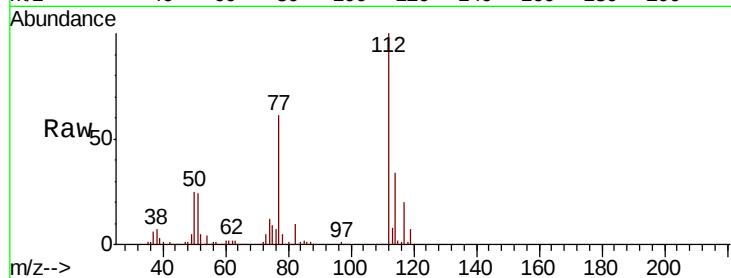
#65
Chlorobenzene
Concen: 53.23 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	26.2	39.2

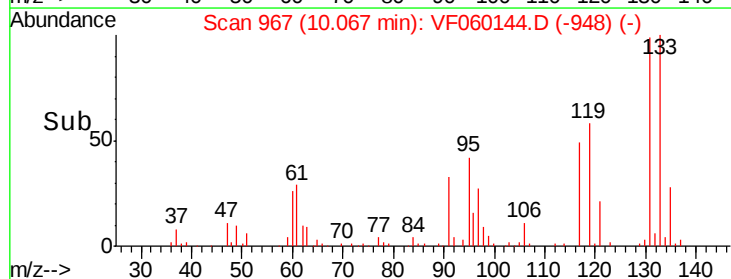
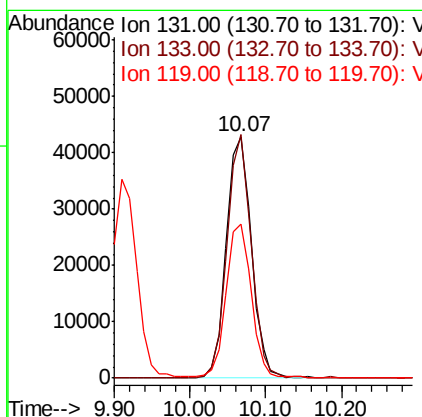
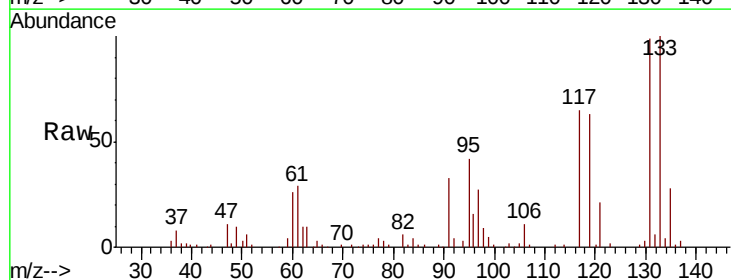
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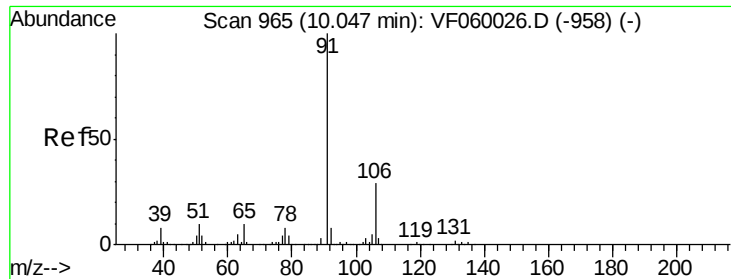
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.38 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.0	48.2	144.6
119	63.8	31.4	94.2





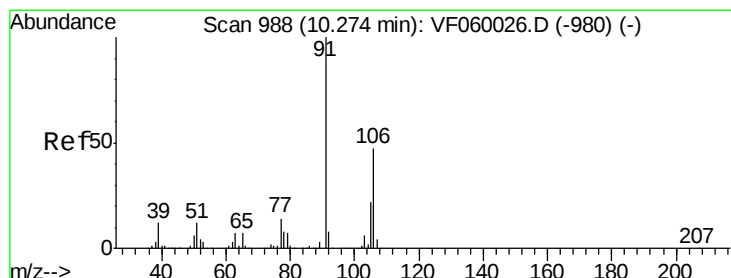
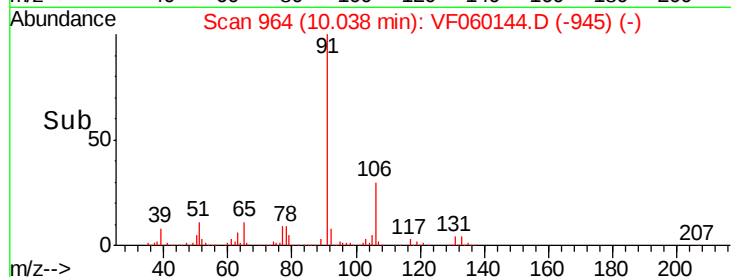
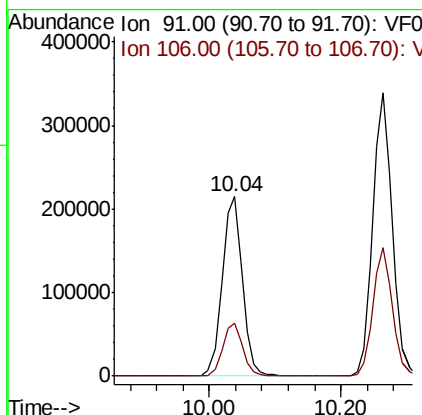
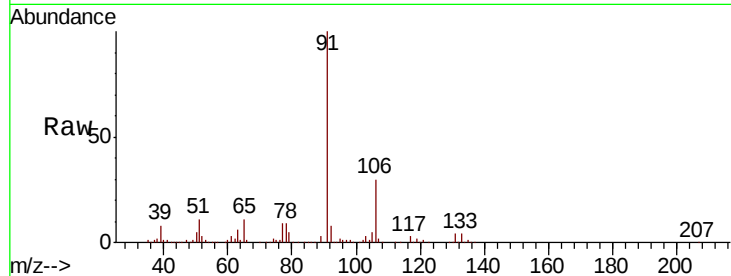
#67
Ethyl Benzene
Concen: 56.12 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 460972
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

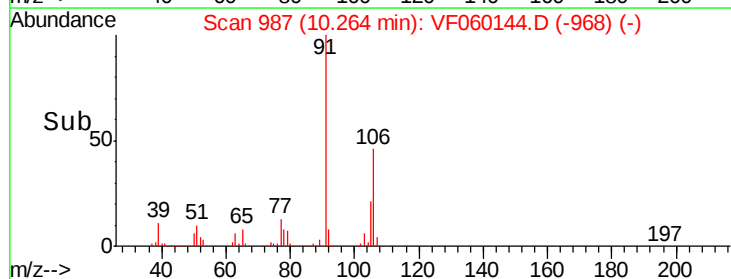
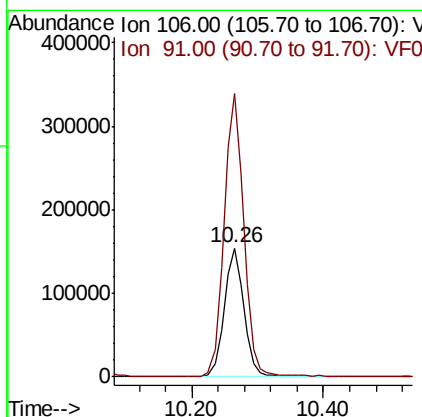
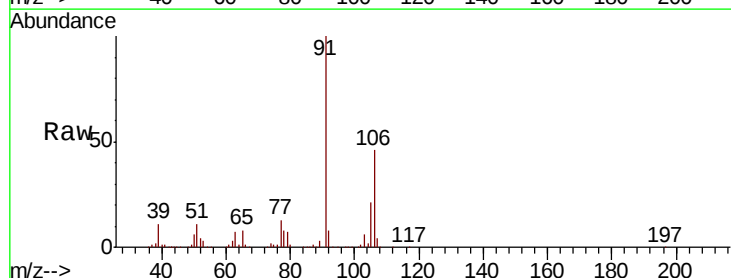
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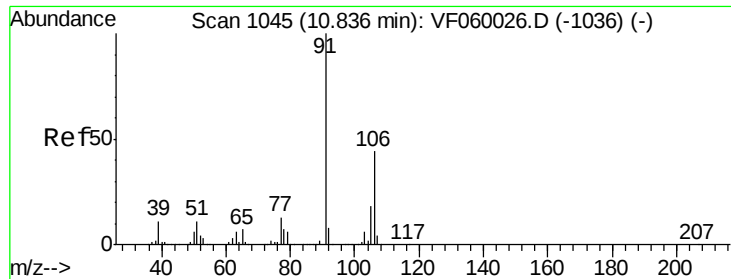
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#68
m/p-Xylenes
Concen: 121.52 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion: 106 Resp: 320148
Ion Ratio Lower Upper
106 100
91 219.6 171.8 257.8





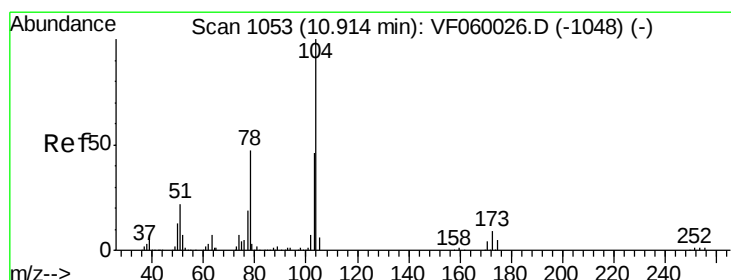
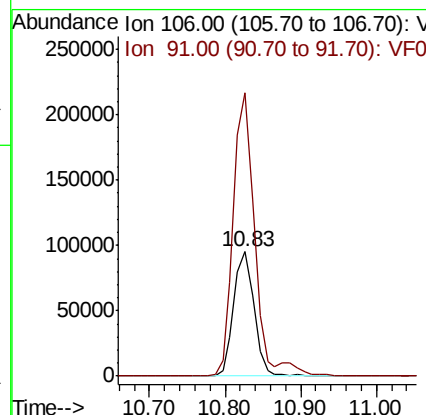
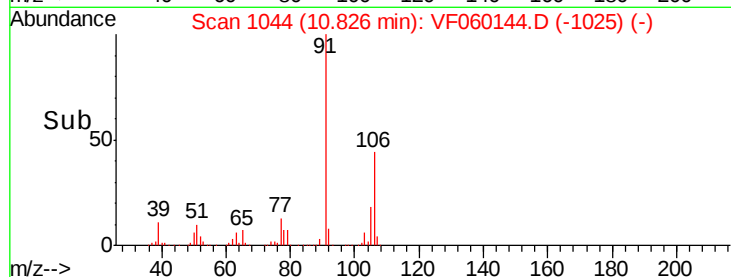
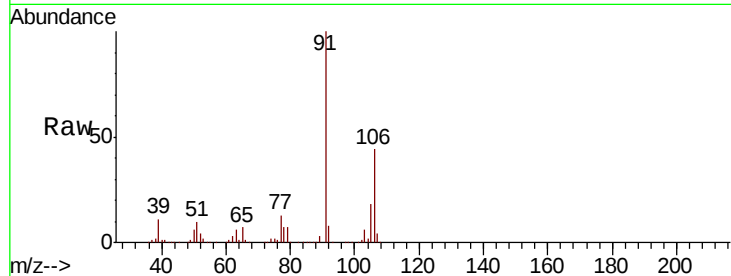
#69
o-Xylene
Concen: 55.73 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	227.4	112.5	337.5		

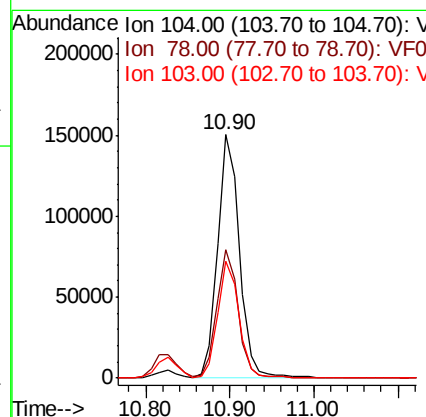
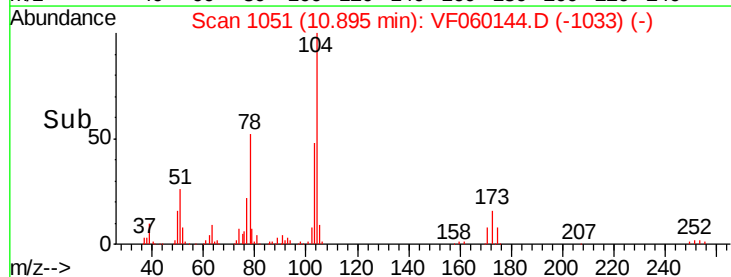
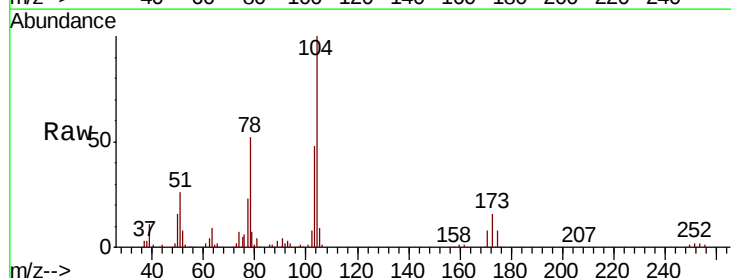
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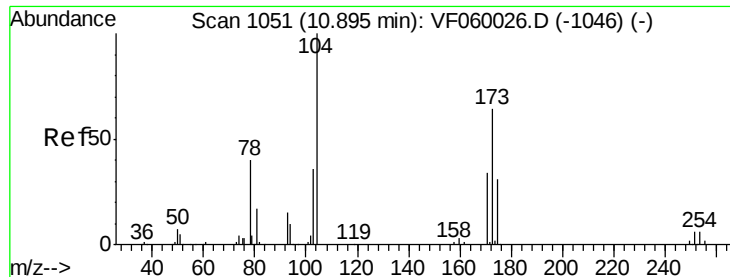
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#70
Styrene
Concen: 54.71 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	52.5	38.0	57.0		
103	48.1	37.6	56.4		





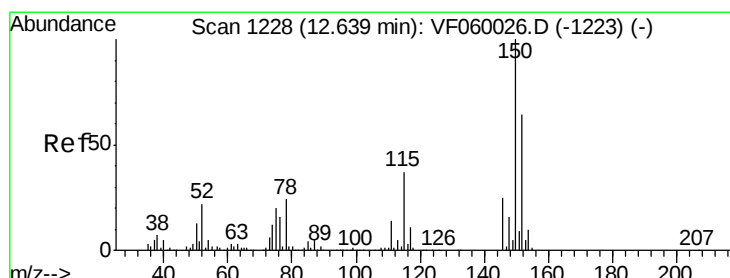
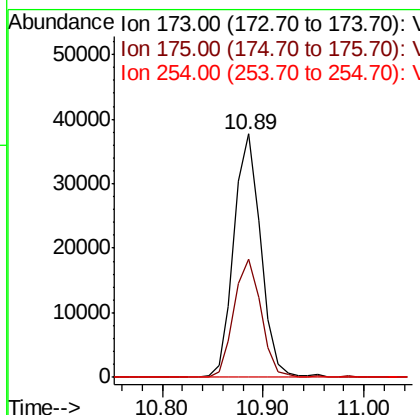
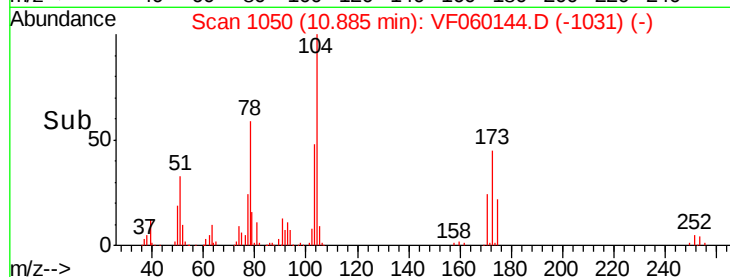
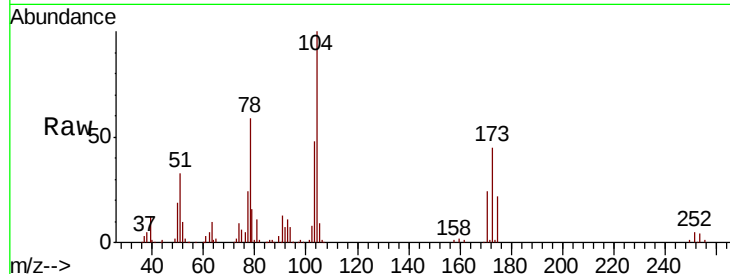
#71
Bromoform
Concen: 55.44 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.7	74.1
254	0.0	0.0	0.0

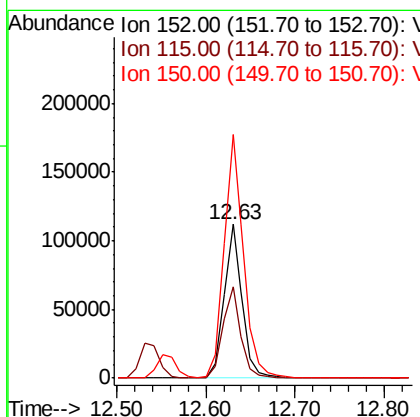
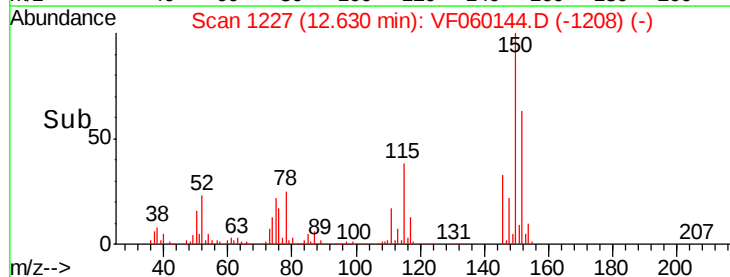
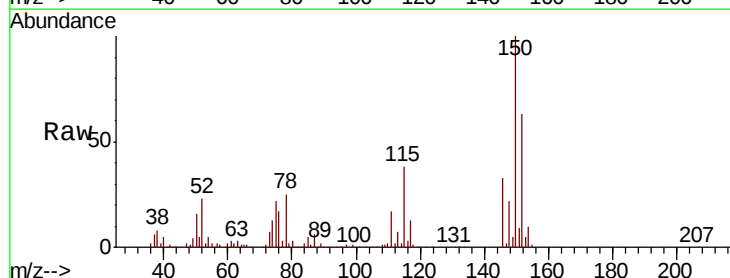
Manual Integrations
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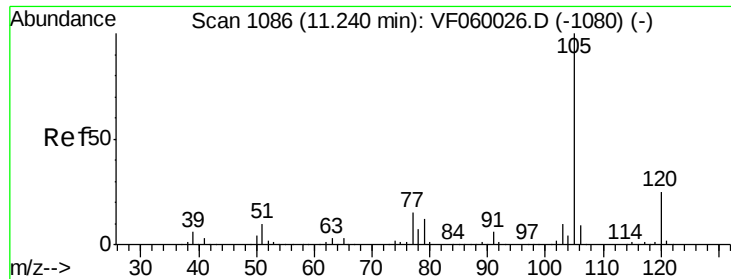
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	28.6	85.9
150	158.3	0.0	312.0





#73

Isopropylbenzene

Concen: 56.67 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 543901

Ion Ratio Lower Upper

105 100

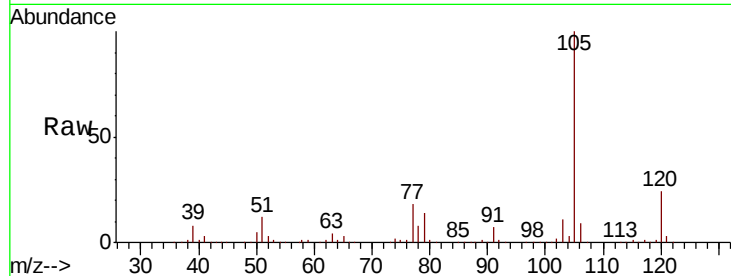
120 23.7 12.7 38.0

Manual Integrations

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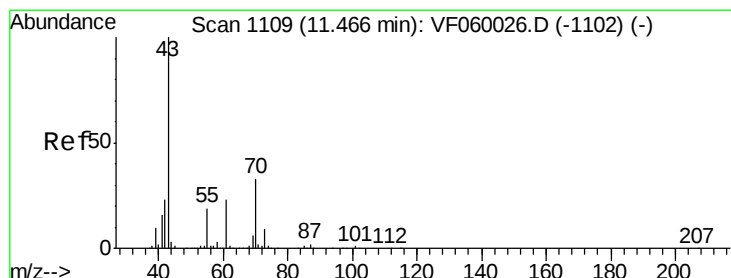
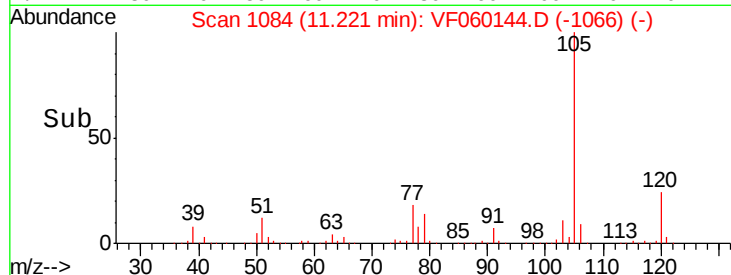
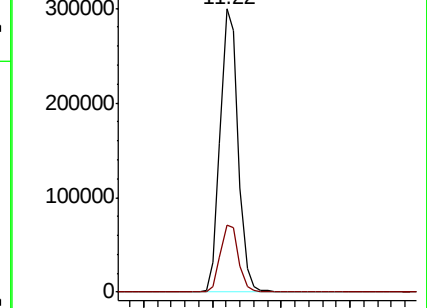
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.39 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Tgt Ion: 43 Resp: 150332

Ion Ratio Lower Upper

43 100

70 33.4 26.4 39.6

55 22.4 15.0 22.4#

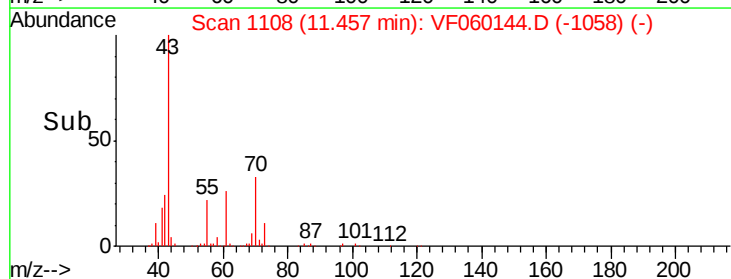
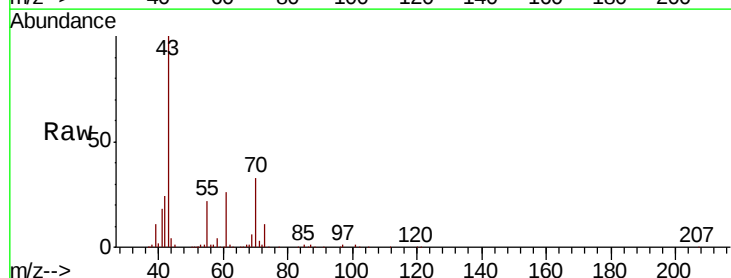
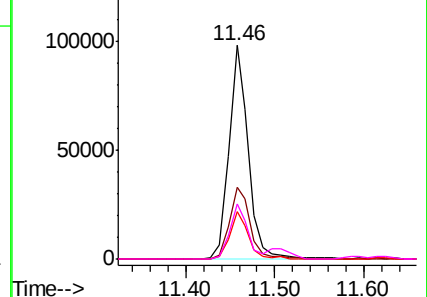
61 25.6 18.4 27.6

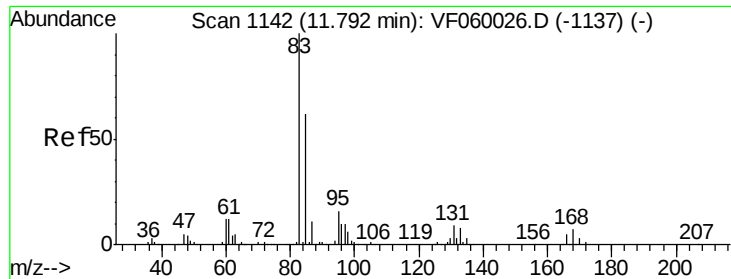
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 47.65 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

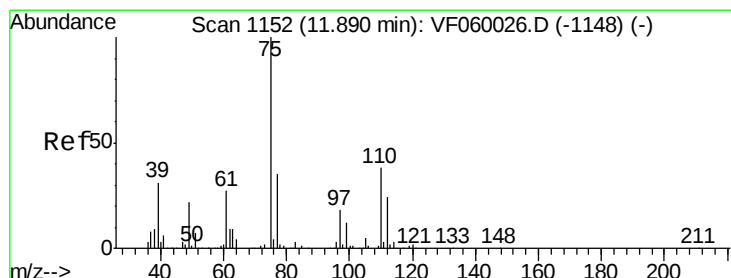
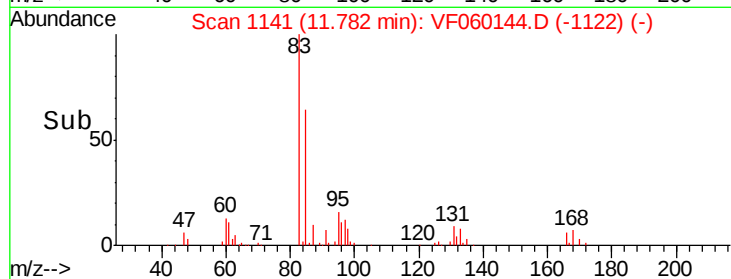
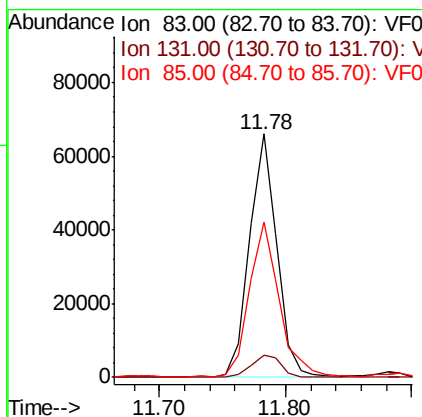
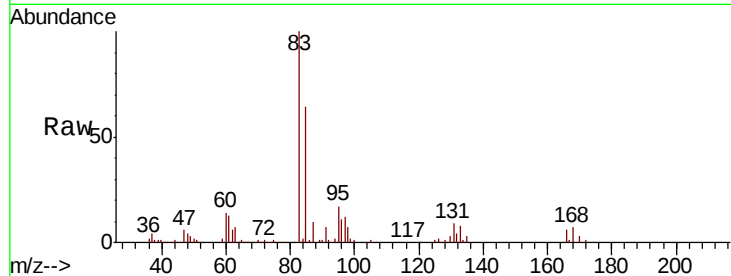
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	99872
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.7
85	63.8	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.64 ug/l

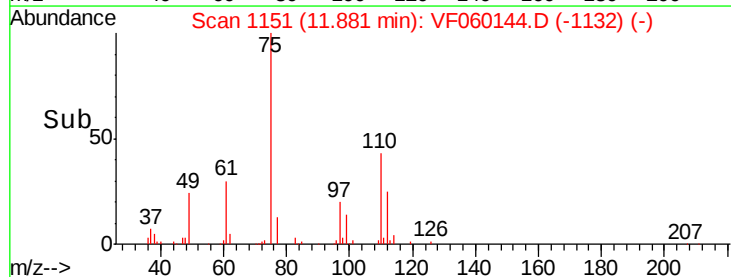
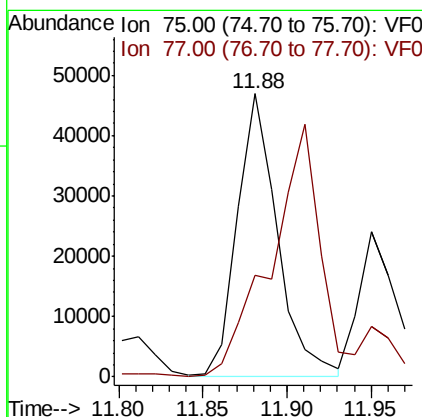
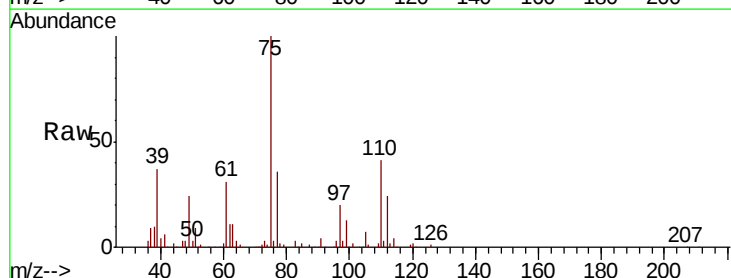
RT: 11.88 min Scan# 1151

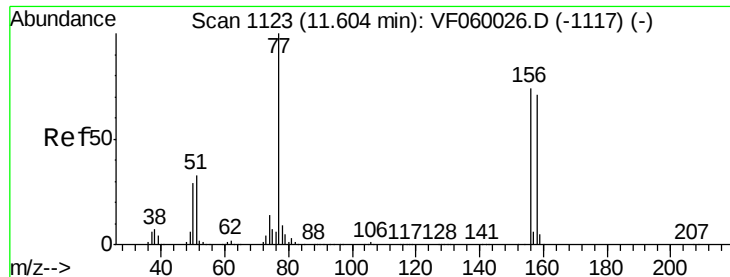
Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Tgt Ion:	75	Resp:	77433
Ion Ratio	Lower	Upper	
75	100		
77	36.0	17.3	52.0





#77

Bromobenzene

Concen: 51.40 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

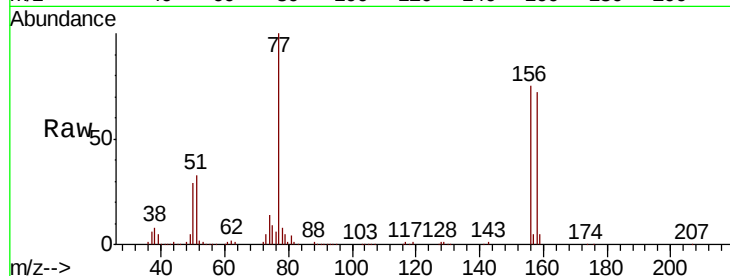
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	133.6	68.0	204.0		
158	96.8	48.4	145.3		

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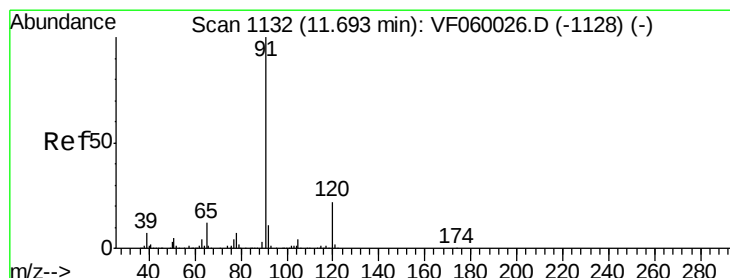
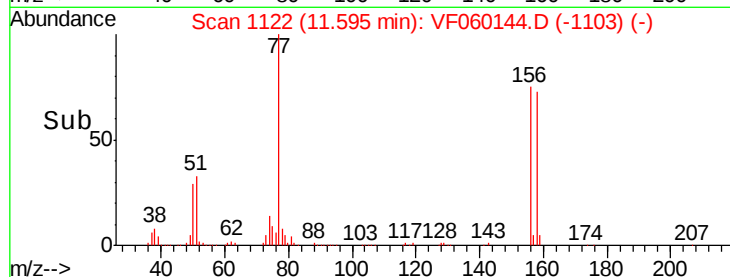
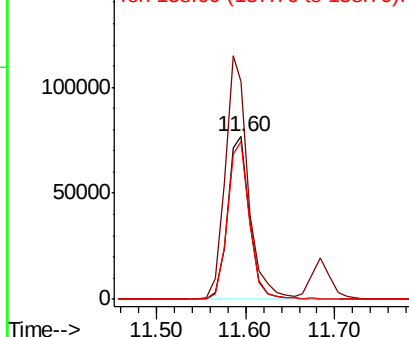


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 53.90 ug/l

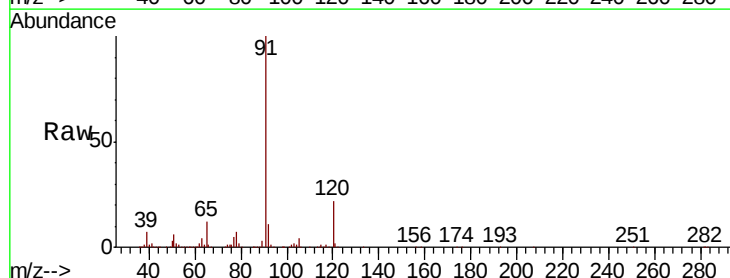
RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

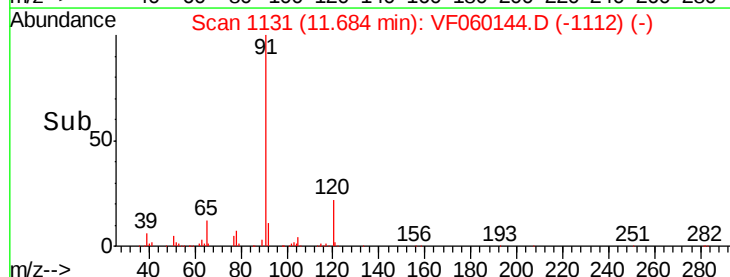
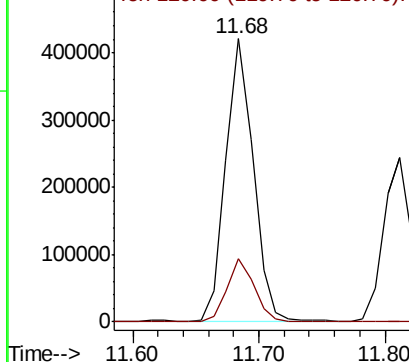
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.4	10.9	32.7		

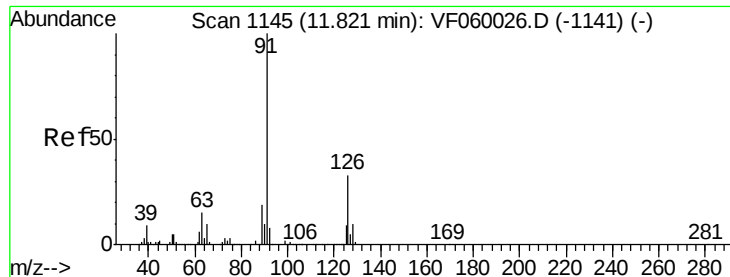


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





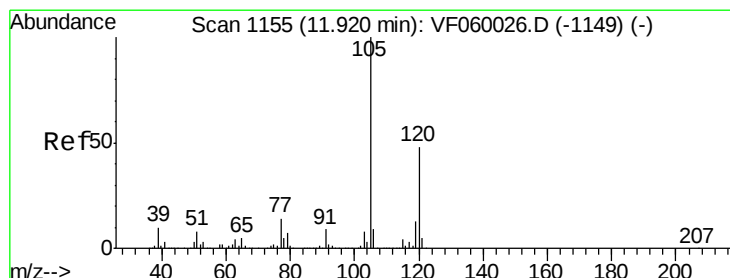
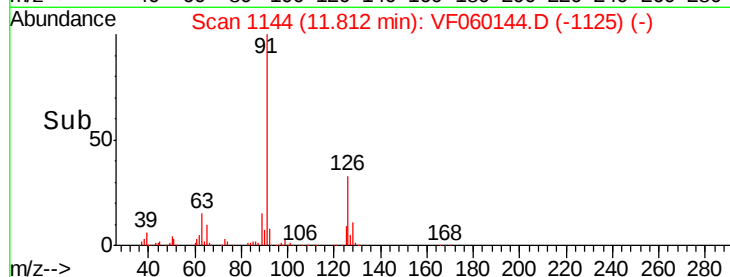
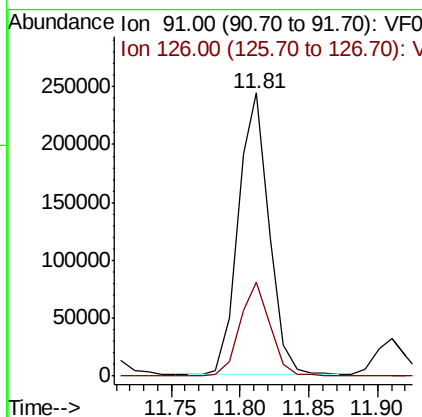
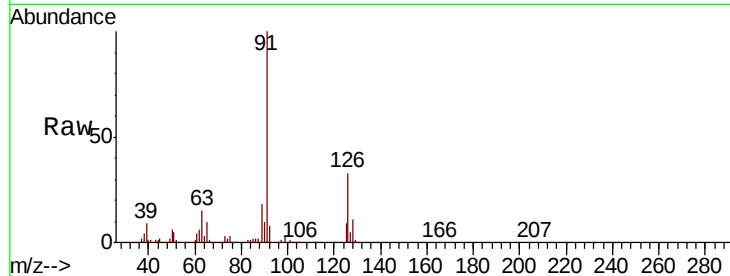
#79
 2-Chlorotoluene
 Concen: 53.98 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.7

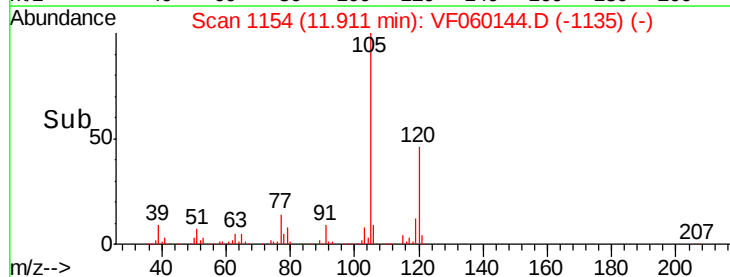
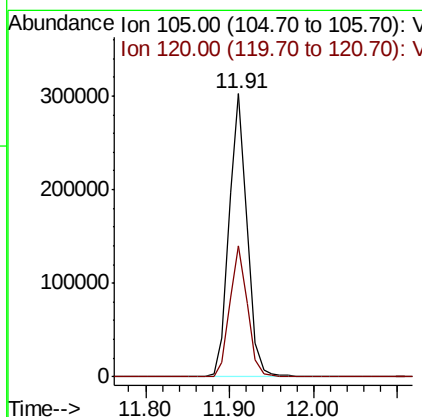
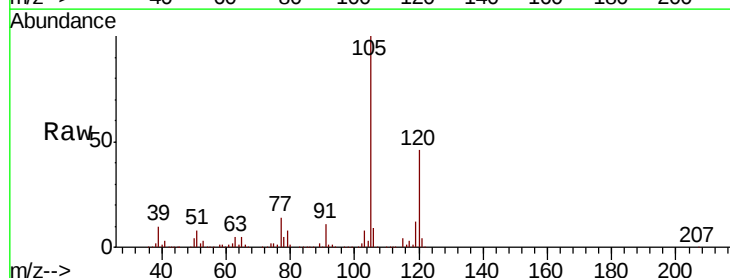
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.64 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.5





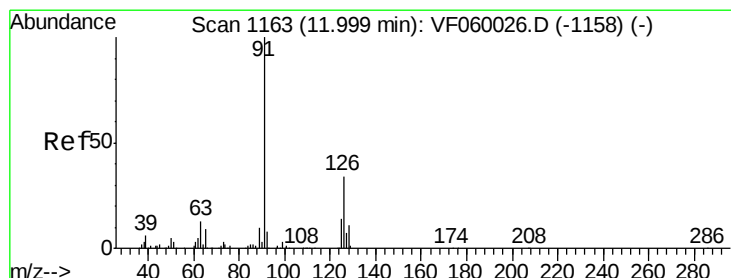
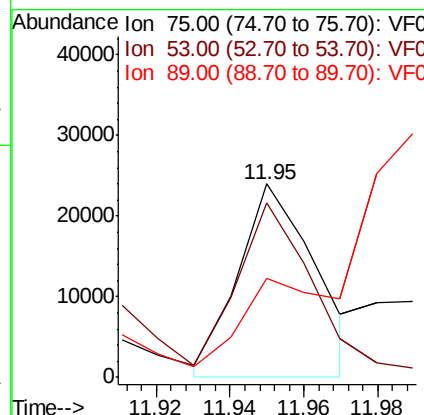
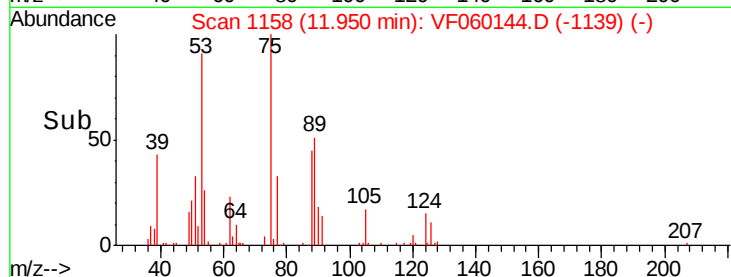
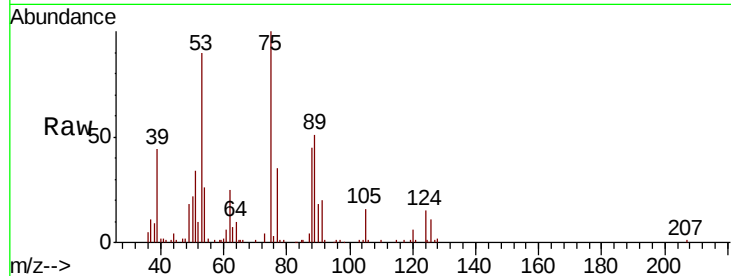
#81
trans-1,4-Dichloro-2-butene
Concen: 46.70 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.0	66.2	99.4
89	51.1	42.8	64.2

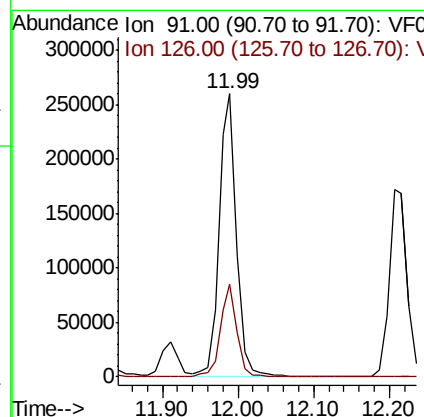
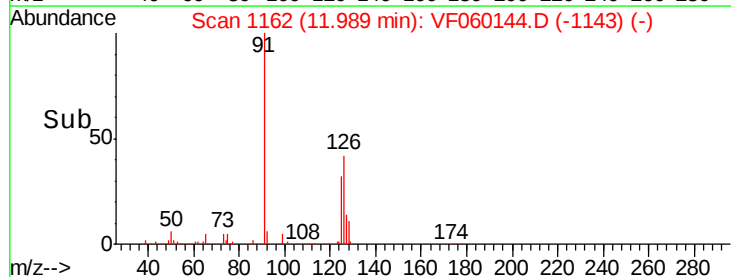
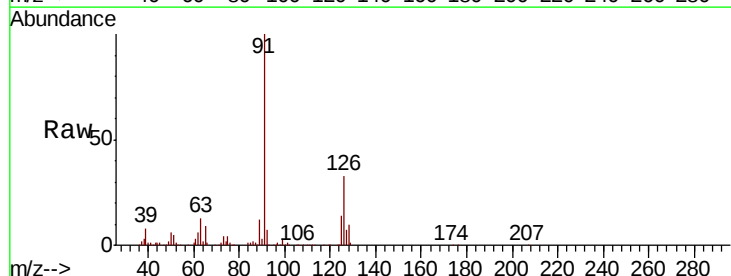
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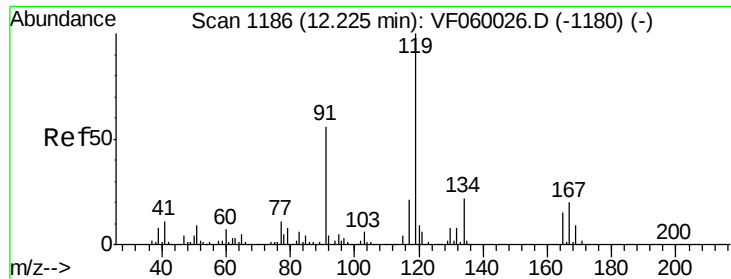
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#82
4-Chlorotoluene
Concen: 55.23 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	17.0	50.9





#83

tert-Butylbenzene

Concen: 55.80 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

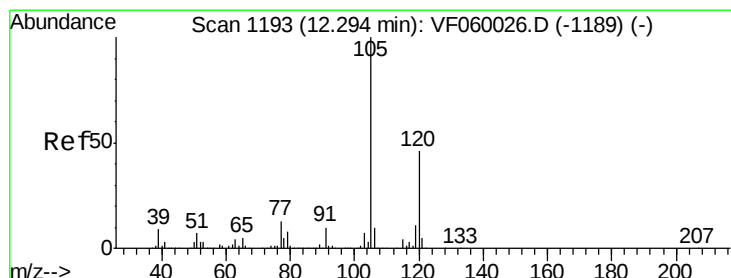
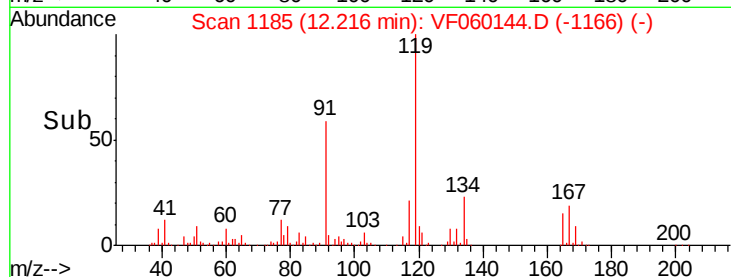
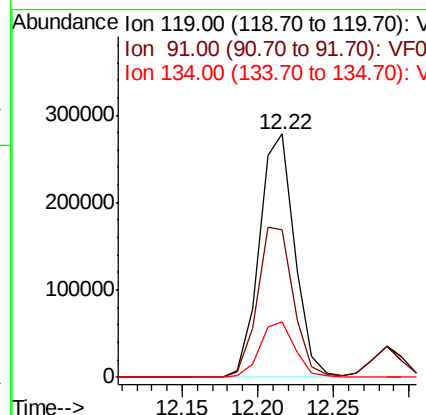
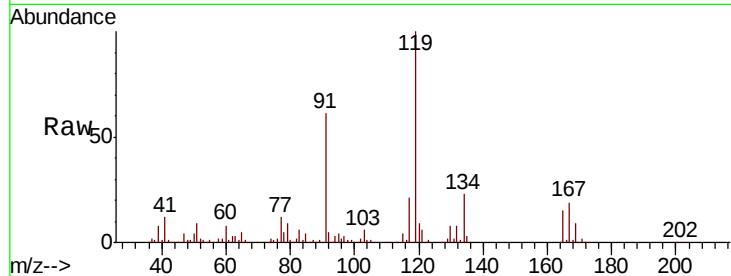
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	455031
Ion Ratio	Lower	Upper	
119	100		
91	60.5	28.1	84.3
134	22.9	11.1	33.3

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#84

1,2,4-Trimethylbenzene

Concen: 52.19 ug/l

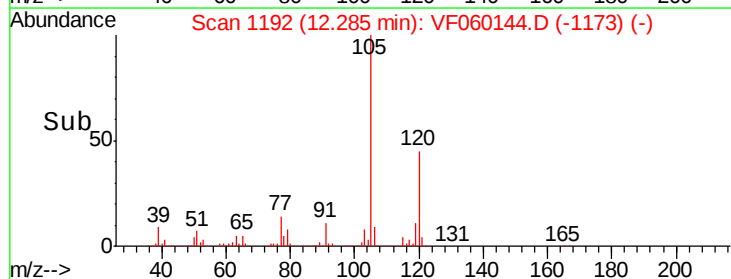
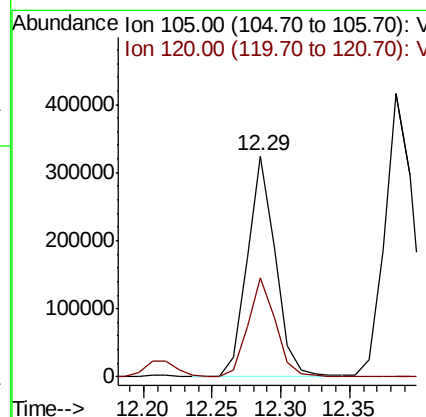
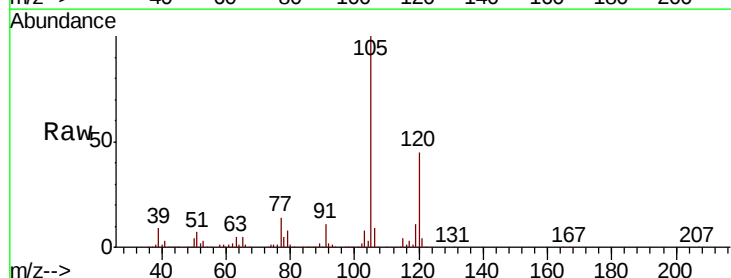
RT: 12.29 min Scan# 1192

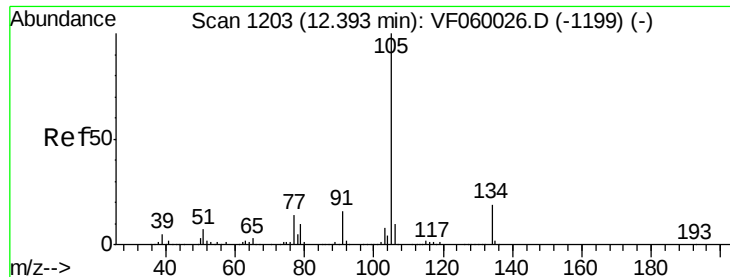
Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Tgt Ion:	105	Resp:	463919
Ion Ratio	Lower	Upper	
105	100		
120	44.6	23.3	69.8





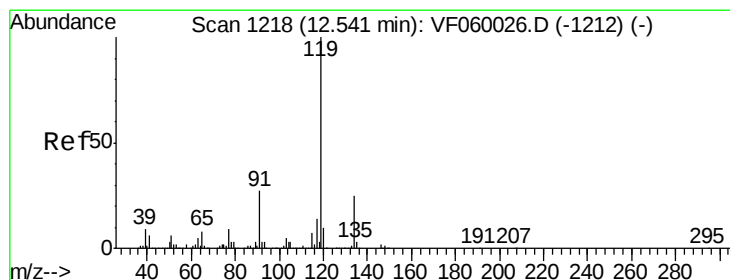
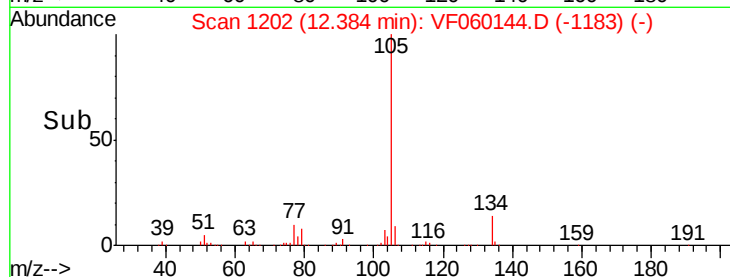
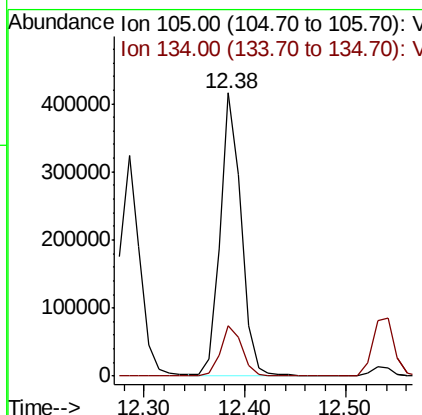
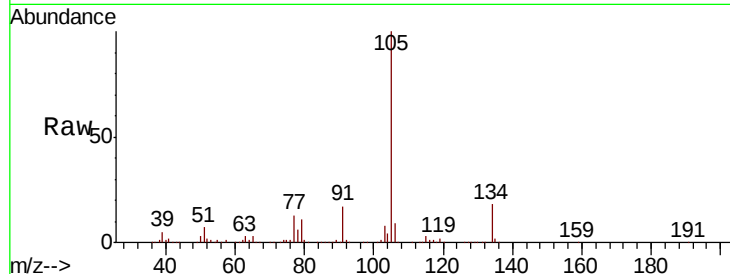
#85
 sec-Butylbenzene
 Concen: 53.23 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.8	9.3	27.9

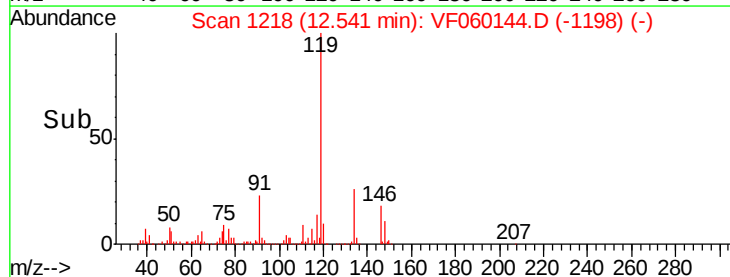
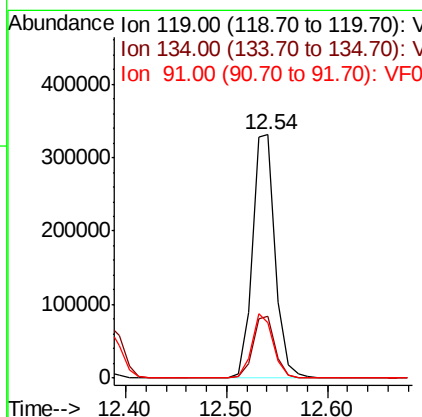
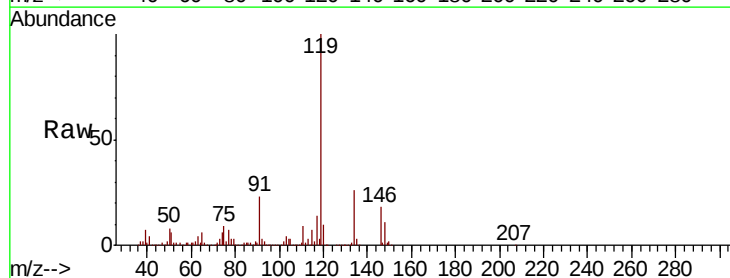
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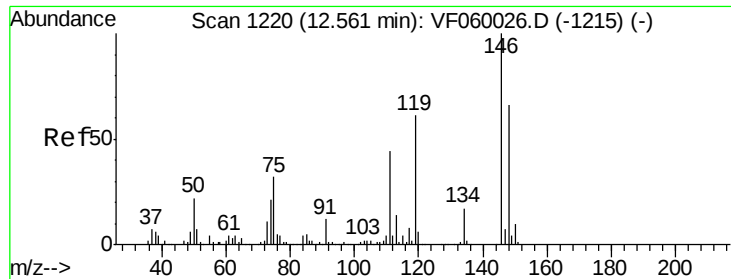
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#86
 p-Isopropyltoluene
 Concen: 55.58 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.4	37.2
91	23.0	13.5	40.4





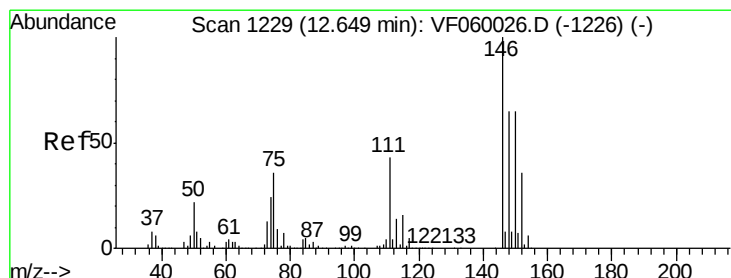
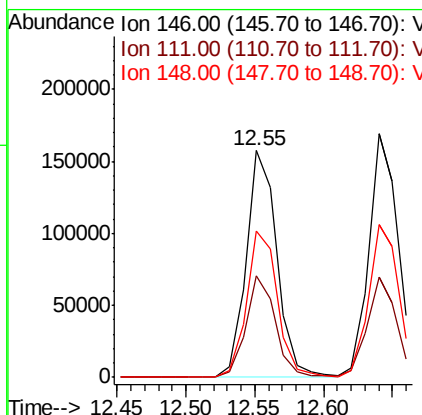
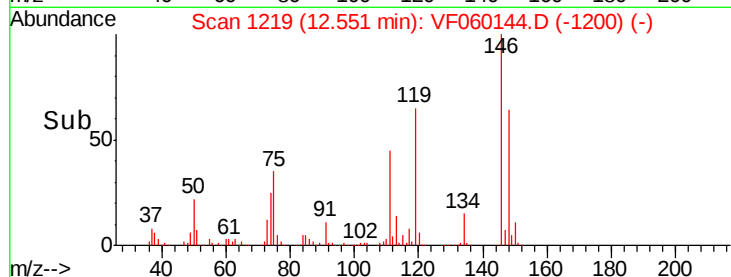
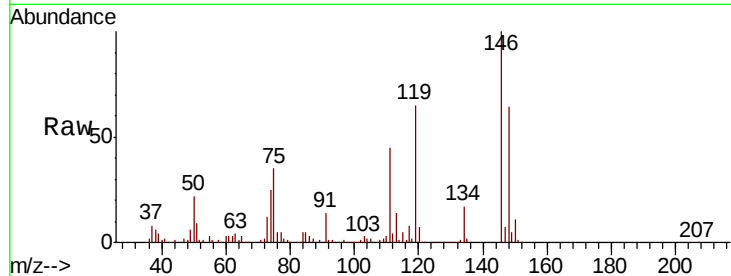
#87
 1,3-Dichlorobenzene
 Concen: 51.00 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	246144		
111	44.9	21.9	65.5	
148	64.4	32.9	98.7	

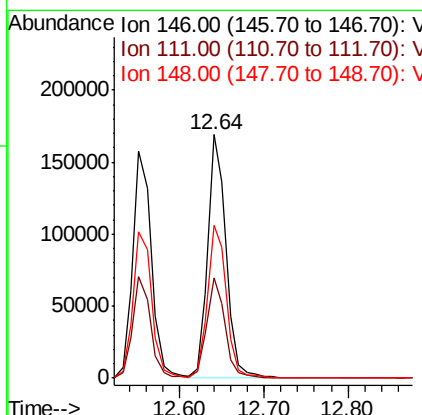
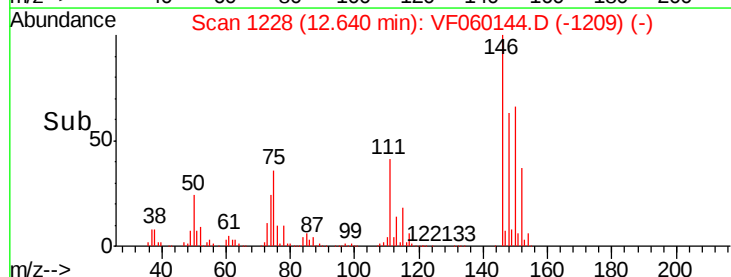
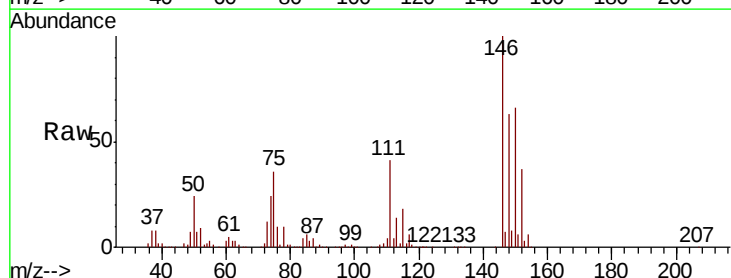
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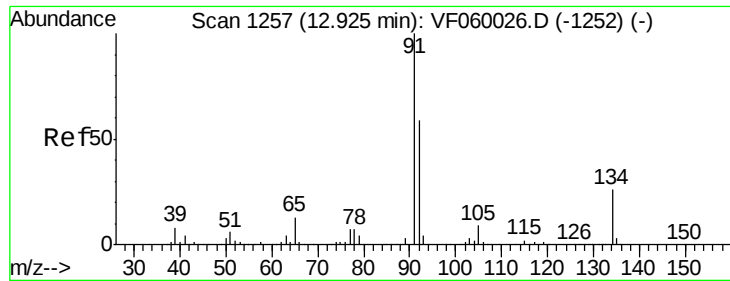
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#88
 1,4-Dichlorobenzene
 Concen: 53.12 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	254778		
111	41.0	21.6	64.8	
148	62.7	32.3	96.8	





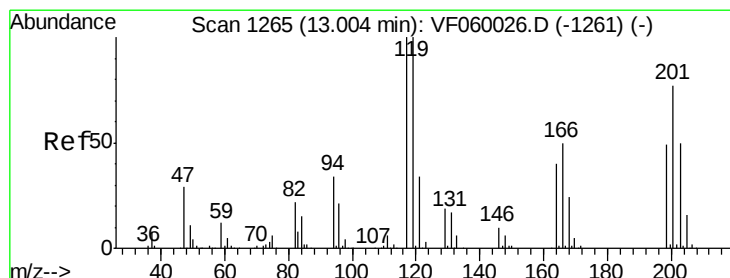
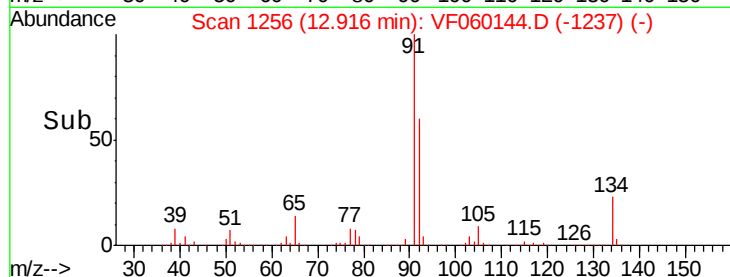
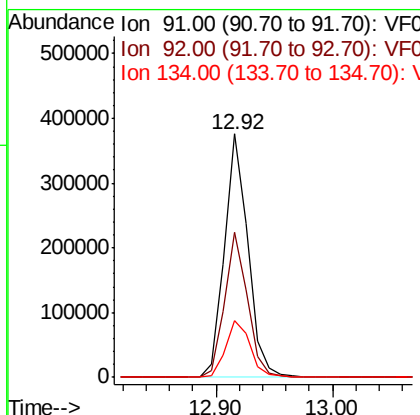
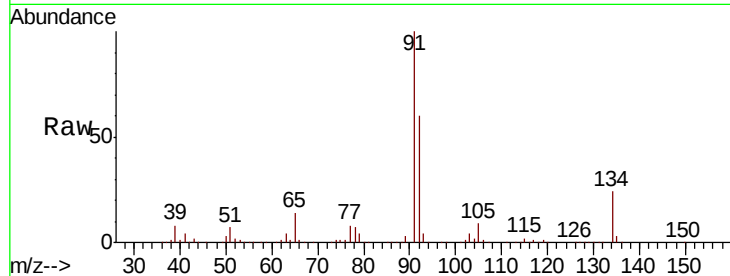
#89
n-Butylbenzene
Concen: 57.33 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.6	29.3	87.9
134	23.5	12.8	38.3

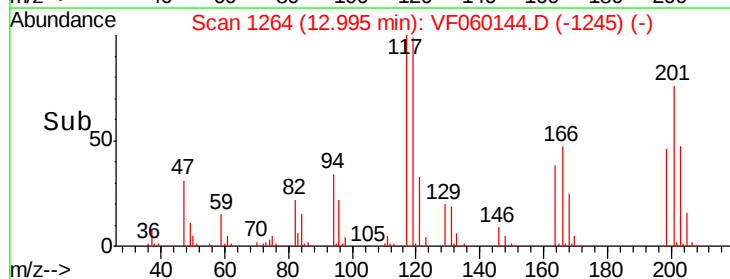
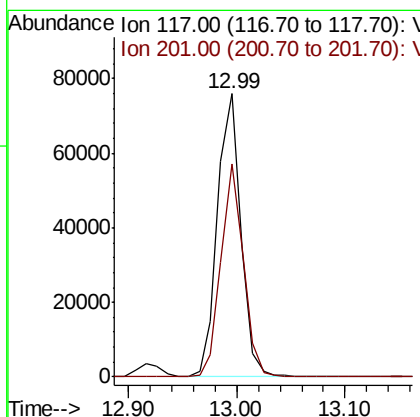
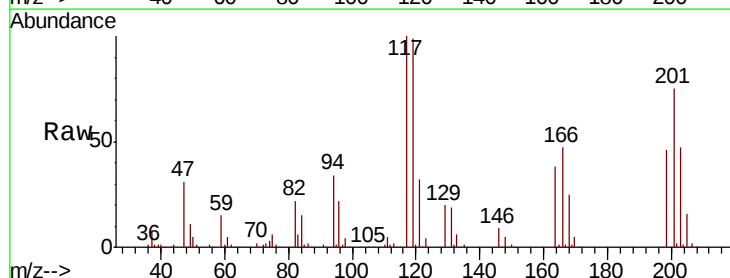
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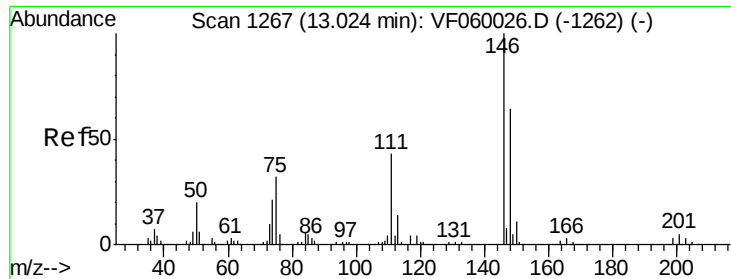
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#90
Hexachloroethane
Concen: 54.07 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF060144.D
Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.4	38.6	115.8





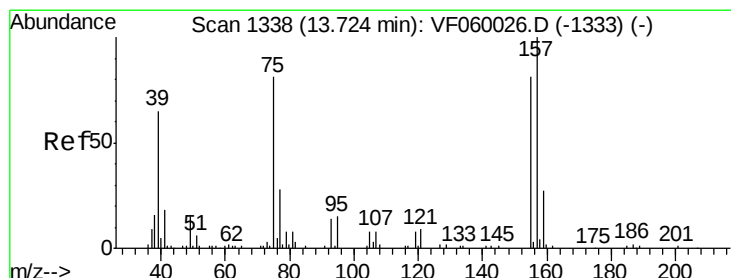
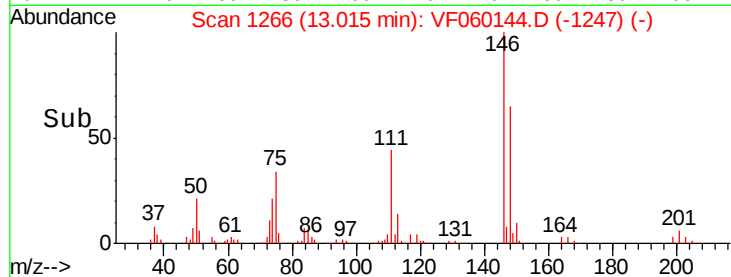
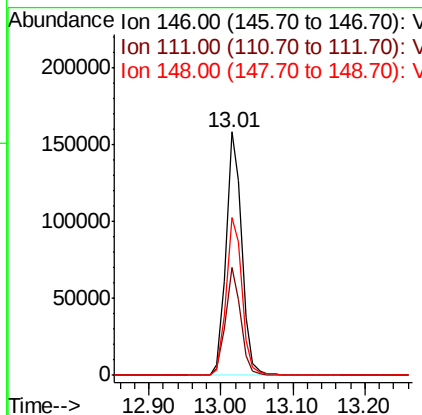
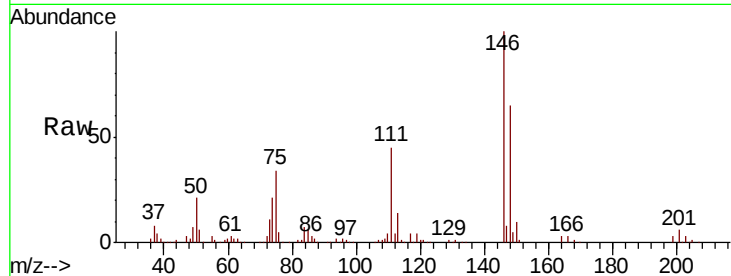
#91
 1,2-Dichlorobenzene
 Concen: 51.61 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.6	64.6
148	65.1	32.3	96.8

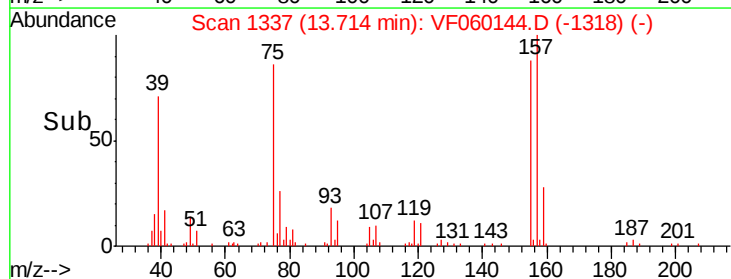
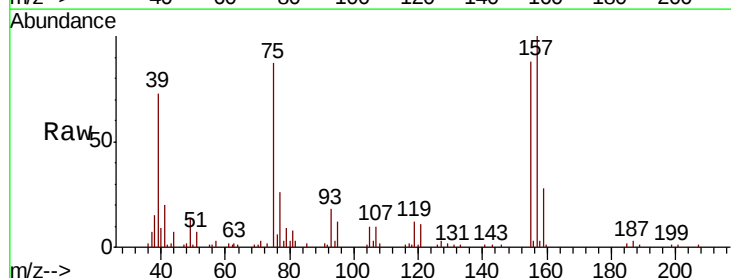
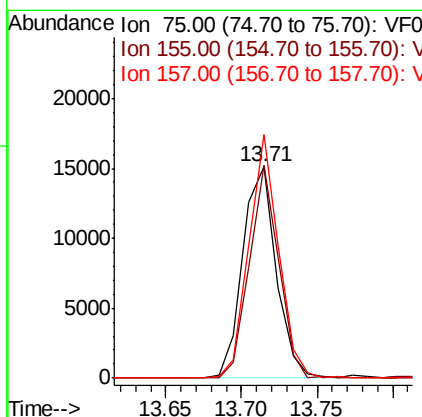
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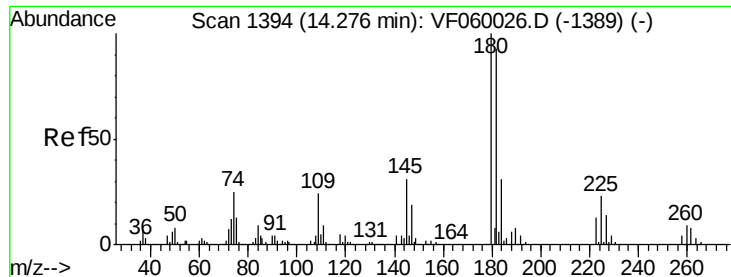
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.29 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.9	49.8	149.3
157	115.2	61.6	184.7





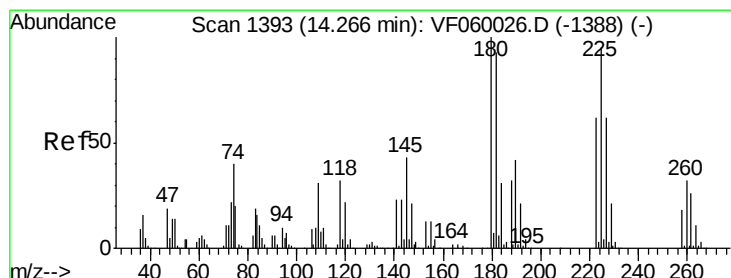
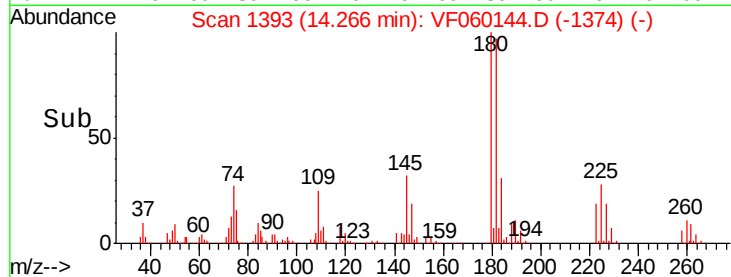
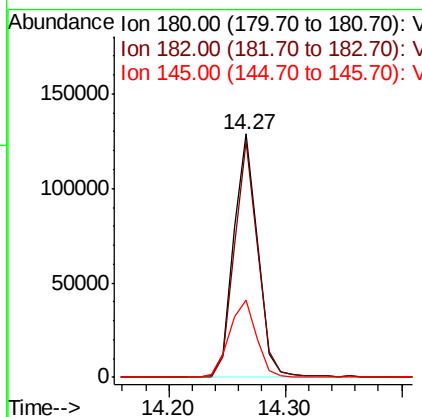
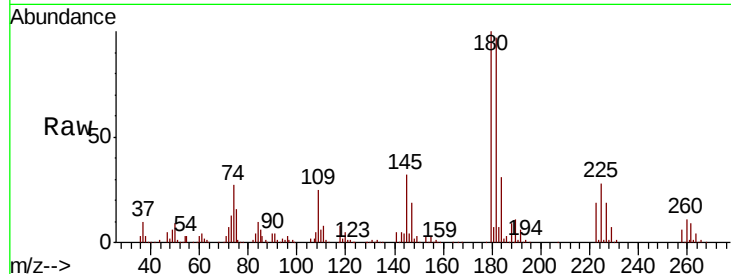
#93
 1,2,4-Trichlorobenzene
 Concen: 54.10 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	184895
Ion Ratio	Lower	Upper	
180	100		
182	96.8	46.8	140.3
145	31.9	15.4	46.4

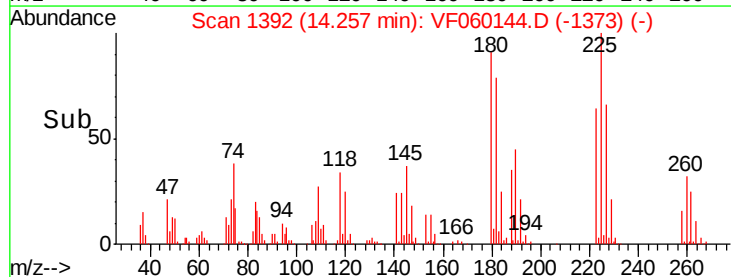
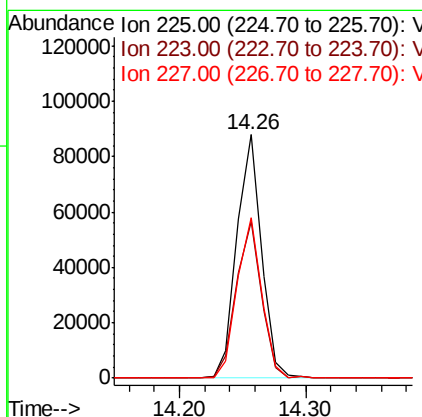
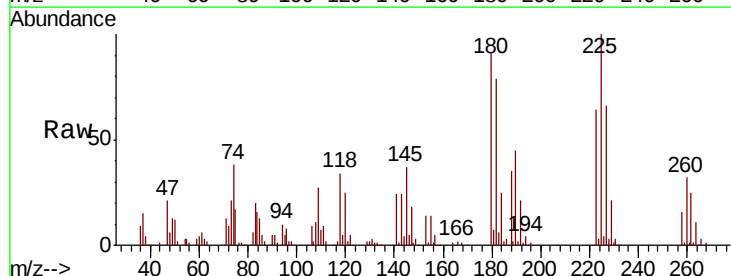
Manual Integrations
 APPROVED

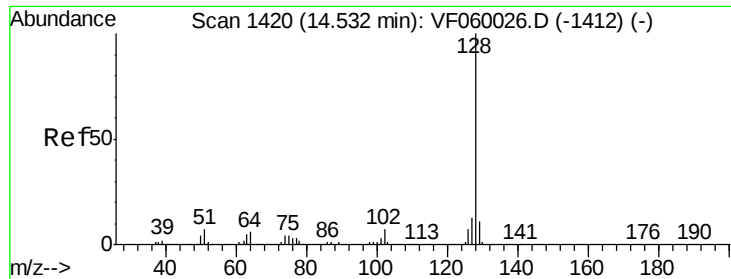
apatel
 8/29/2018 11:03:25 AM



#94
 Hexachlorobutadiene
 Concen: 55.78 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060144.D
 Acq: 28 Aug 2018 12:17

Tgt Ion:	225	Resp:	118648
Ion Ratio	Lower	Upper	
225	100		
223	64.3	32.6	97.8
227	65.7	33.0	98.9





#95

Naphthalene

Concen: 48.16 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Instrument :

MSVOA_F

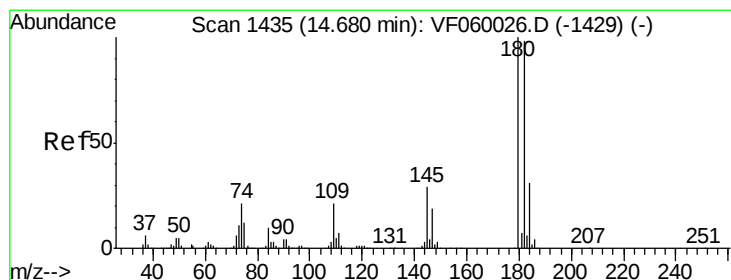
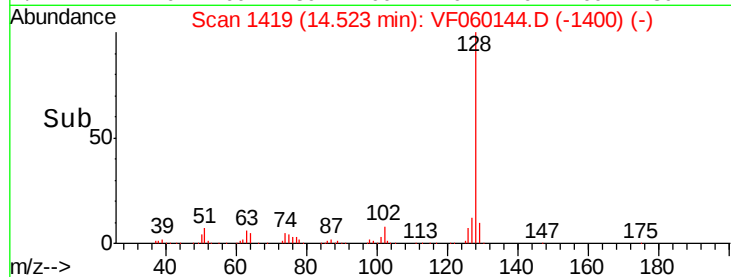
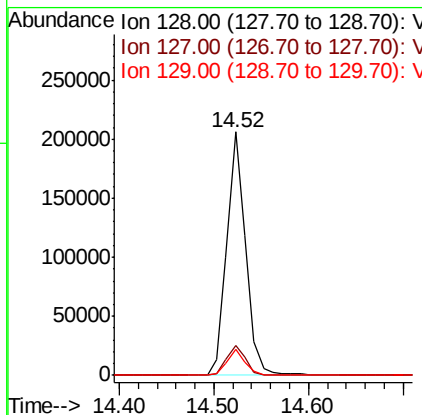
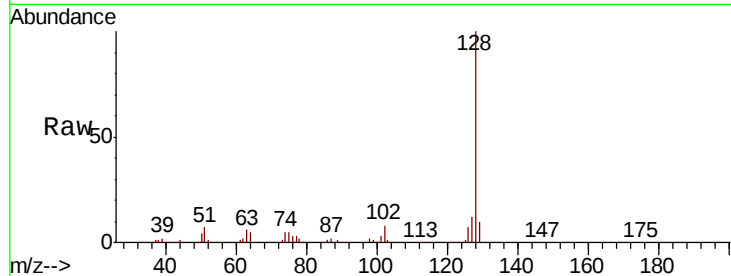
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	285085
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.4	15.6
129	10.5	8.5	12.7

Manual Integrations
APPROVED

apatel
8/29/2018 11:03:25 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.27 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF060144.D

Acq: 28 Aug 2018 12:17

Tgt Ion:	180	Resp:	173691
Ion Ratio	Lower	Upper	
180	100		
182	97.4	49.0	147.2
145	32.8	14.4	43.2

