

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092818\
 Data File : VF060368.D
 Acq On : 28 Sep 2018 14:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 10/1/2018 3:03:45 PM

Quant Time: Sep 29 00:31:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	239713	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	398900	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	355521	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	193243	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	167381	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	
35) Dibromofluoromethane	4.28	113	172253	48.44	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.88%	
50) Toluene-d8	7.70	98	436048	47.09	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	11.50	95	194289	48.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	181043	50.441	ug/l	95
3) Chloromethane	1.13	50	134347	41.127	ug/l	97
4) Vinyl Chloride	1.17	62	143857	43.211	ug/l	95
5) Bromomethane	1.36	94	109009	59.363	ug/l	97
6) Chloroethane	1.43	64	78114	49.267	ug/l	95
7) Trichlorofluoromethane	1.53	101	341496	55.060	ug/l	99
8) Diethyl Ether	1.69	74	45590	44.181	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.89	101	169695	51.446	ug/l	97
10) Methyl Iodide	1.97	142	246481m	46.339	ug/l	
11) Tert butyl alcohol	2.66	59	51143	286.332	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	135625	49.718	ug/l	89
13) Acrolein	2.08	56	13165	217.370	ug/l	83
14) Allyl chloride	2.19	41	216689	45.520	ug/l	91
15) Acrylonitrile	3.06	53	99766	218.844	ug/l	100
16) Acetone	2.33	43	250511	275.583	ug/l	99
17) Carbon Disulfide	1.88	76	329731	47.768	ug/l	99
18) Methyl Acetate	2.44	43	81836m	54.040	ug/l	
19) Methyl tert-butyl Ether	2.53	73	340584	50.082	ug/l	97
20) Methylene Chloride	2.28	84	138803m	57.674	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	131503	46.674	ug/l	98
22) Diisopropyl ether	2.92	45	438590	48.833	ug/l	98
23) Vinyl Acetate	3.32	43	839050	237.860	ug/l	99
24) 1,1-Dichloroethane	3.00	63	286347	49.160	ug/l	99
25) 2-Butanone	4.49	43	307719	251.499	ug/l	99
26) 2,2-Dichloropropane	3.75	77	163720	49.261	ug/l	95
27) cis-1,2-Dichloroethene	3.62	96	173821	46.961	ug/l	95
28) Bromochloromethane	3.87	49	108167	47.697	ug/l	89
29) Tetrahydrofuran	4.23	42	101281	226.042	ug/l	97
30) Chloroform	4.02	83	363661	51.742	ug/l	93
31) Cyclohexane	3.84	56	199690	40.587	ug/l	93
32) 1,1,1-Trichloroethane	4.26	97	290178	52.325	ug/l	98
36) 1,1-Dichloropropene	4.44	75	244233	49.085	ug/l	96
37) Ethyl Acetate	4.27	43	92039	43.716	ug/l #	80
38) Carbon Tetrachloride	4.16	117	272924	51.067	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	242443	44.958	ug/l	95
40) Benzene	4.79	78	530906	47.056	ug/l	98
41) Methacrylonitrile	4.90	41	52834	46.248	ug/l #	90
42) 1,2-Dichloroethane	5.10	62	222174	53.500	ug/l	97
43) Isopropyl Acetate	7.10	43	110871	43.743	ug/l	95
44) Trichloroethene	5.66	130	159625	47.540	ug/l	96
45) 1,2-Dichloropropane	6.39	63	136032	46.587	ug/l	99
46) Dibromomethane	6.24	93	99325	47.588	ug/l	99
47) Bromodichloromethane	6.53	83	260091	51.854	ug/l	94
48) Methyl methacrylate	6.86	41	77725	43.685	ug/l	92
49) 1,4-Dioxane	6.85	88	15223	957.708	ug/l	94
51) 4-Methyl-2-Pentanone	8.39	43	568851	291.196	ug/l	95
52) Toluene	7.77	92	335782	47.044	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	207794	51.360	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	241837	47.448	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	107307	49.535	ug/l	99
56) Ethyl methacrylate	8.74	69	131629	50.311	ug/l	96
57) 1,3-Dichloropropane	8.99	76	182115	50.772	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	59936	259.138	ug/l	100
59) 2-Hexanone	9.62	43	421474	303.022	ug/l	99
60) Dibromochloromethane	8.85	129	163670	50.691	ug/l	94
61) 1,2-Dibromoethane	9.12	107	118968	49.317	ug/l	97
64) Tetrachloroethene	8.29	164	141677	43.960	ug/l	96
65) Chlorobenzene	9.93	112	376383	46.711	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.05	131	165138	49.385	ug/l	95
67) Ethyl Benzene	10.02	91	699652	46.962	ug/l	97
68) m/p-Xylenes	10.25	106	489554	95.111	ug/l	100
69) o-Xylene	10.81	106	287023	49.716	ug/l	98
70) Styrene	10.89	104	406124	49.881	ug/l	98
71) Bromoform	10.88	173	92016	50.105	ug/l #	91
73) Isopropylbenzene	11.22	105	850092	49.002	ug/l	97
74) N-amyl acetate	11.45	43	191718	51.825	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	151292	49.210	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	105546	47.946	ug/l	91
77) Bromobenzene	11.58	156	176715	47.267	ug/l	91
78) n-propylbenzene	11.68	91	989641	59.466	ug/l	99
79) 2-Chlorotoluene	11.81	91	574506	49.094	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	670407	48.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	47337m	40.690	ug/l	
82) 4-Chlorotoluene	11.98	91	559119	47.537	ug/l	97
83) tert-Butylbenzene	12.20	119	697834	49.296	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	677663	47.790	ug/l	97
85) sec-Butylbenzene	12.38	105	956095	59.611	ug/l	99
86) p-Isopropyltoluene	12.53	119	755401	58.743	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	320856	45.927	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	324207	46.951	ug/l	97
89) n-Butylbenzene	12.91	91	822025	57.117	ug/l	98
90) Hexachloroethane	12.99	117	199081	50.258	ug/l	85
91) 1,2-Dichlorobenzene	13.01	146	314140	47.136	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	28015	48.533	ug/l	88

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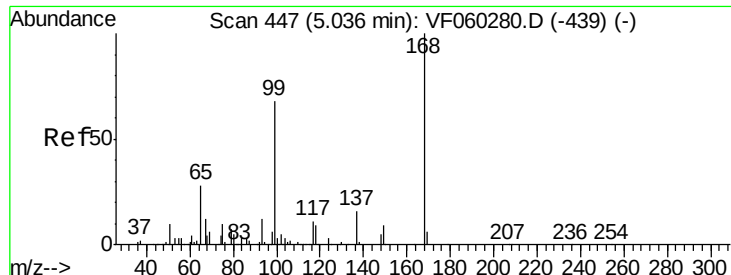
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	238700	49.277	ug/l	96
94) Hexachlorobutadiene	14.25	225	170782	52.154	ug/l	98
95) Naphthalene	14.52	128	456480	53.749	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	234690	52.433	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 239713

Ion Ratio Lower Upper

168 100

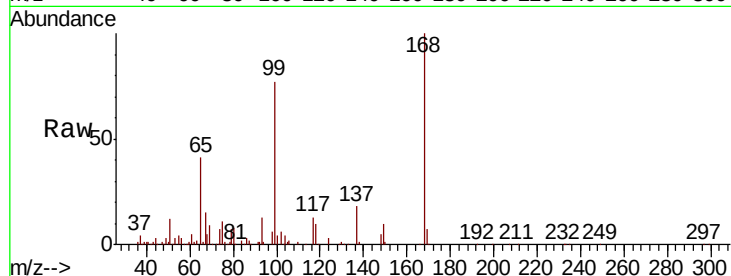
99 77.3 54.8 82.2

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

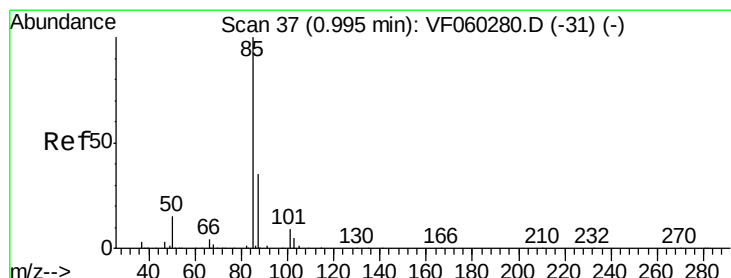
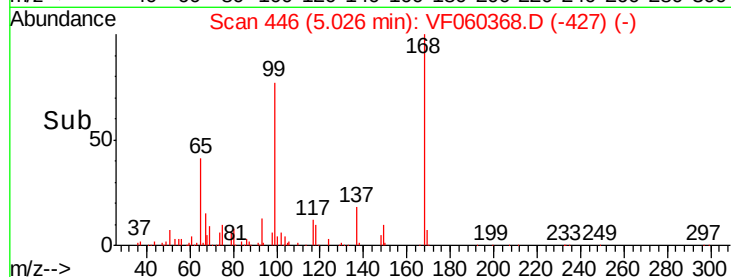
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 50.441 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060368.D

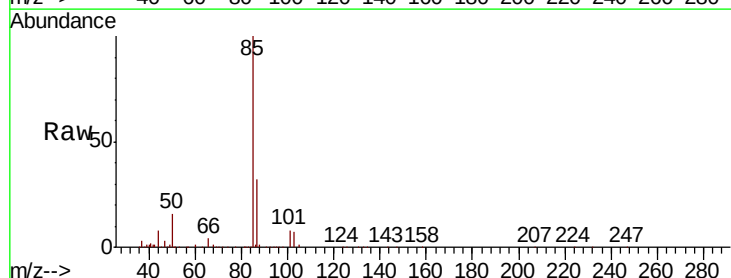
Acq: 28 Sep 2018 14:53

Tgt Ion: 85 Resp: 181043

Ion Ratio Lower Upper

85 100

87 32.1 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

60000

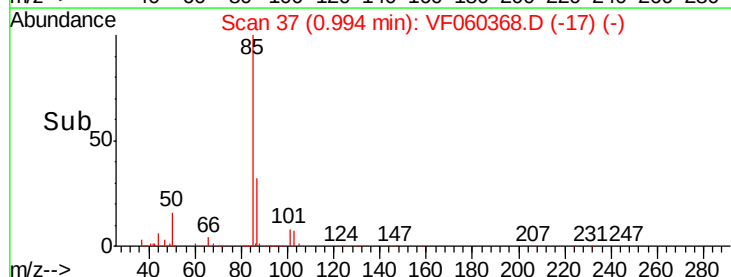
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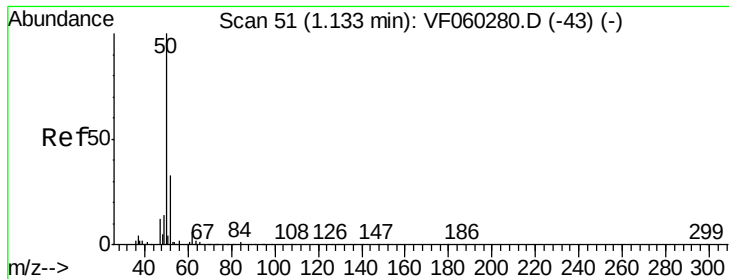
20000

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Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 41.127 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 134347

Ion Ratio Lower Upper

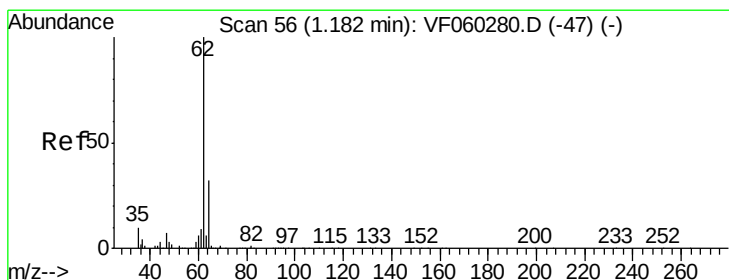
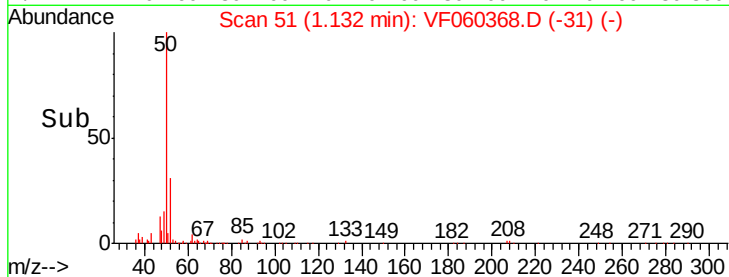
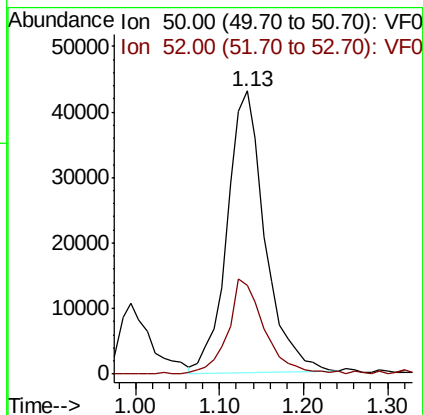
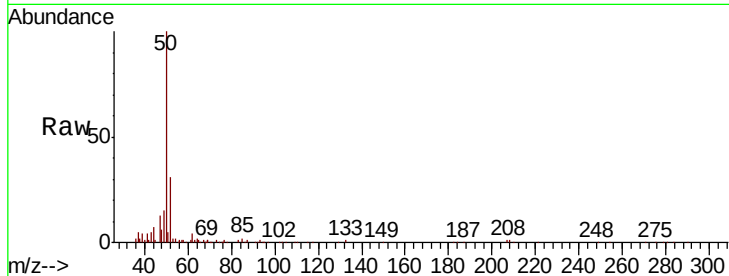
50 100

52 31.3 26.5 39.7

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#4

Vinyl Chloride

Concen: 43.211 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060368.D

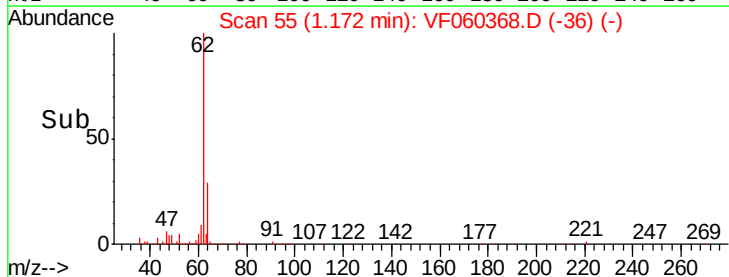
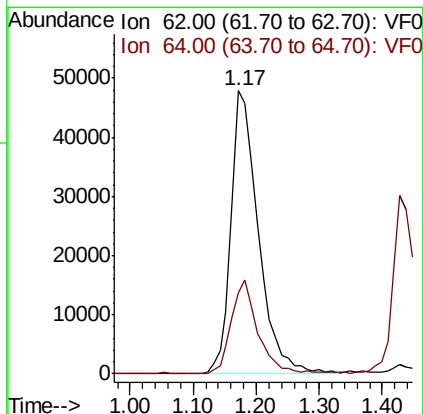
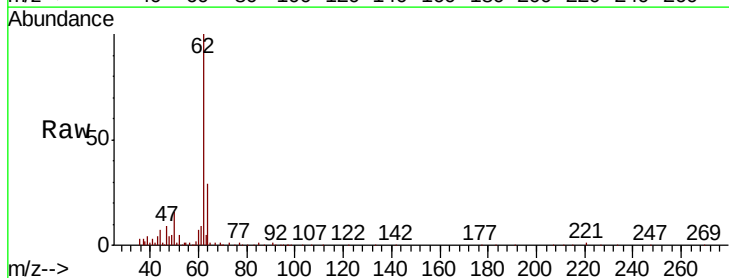
Acq: 28 Sep 2018 14:53

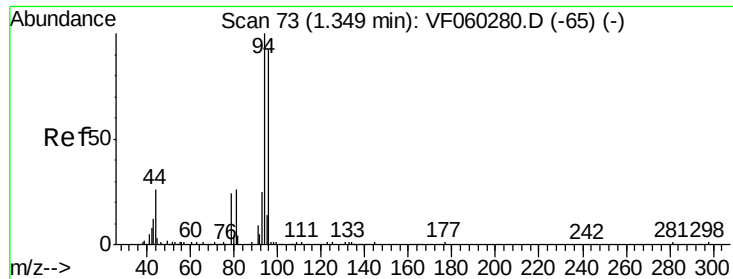
Tgt Ion: 62 Resp: 143857

Ion Ratio Lower Upper

62 100

64 28.5 25.2 37.8





#5

Bromomethane

Concen: 59.363 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tot Ion: 94 Resp: 109009

Ion Ratio Lower Upper

94 100

96 89.7 73.9 110.9

Instrument :

MSVOA_F

ClientSampleId :

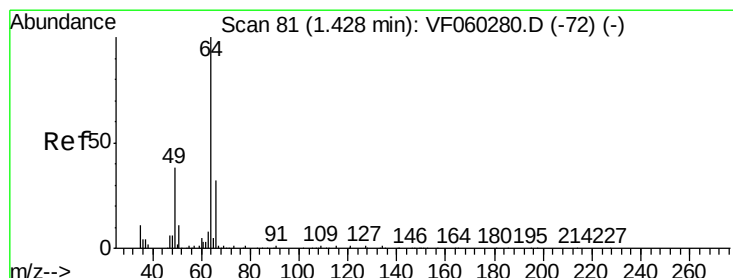
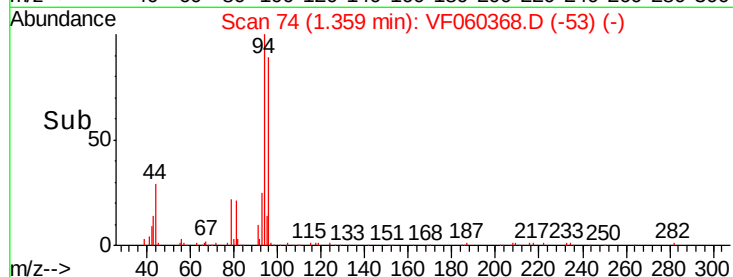
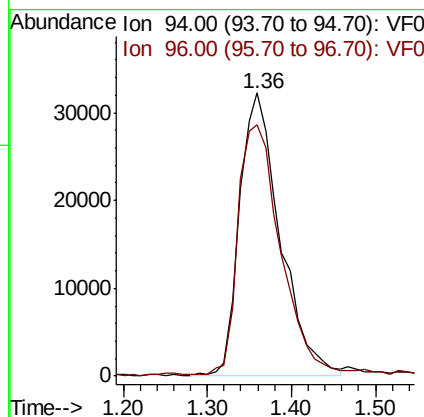
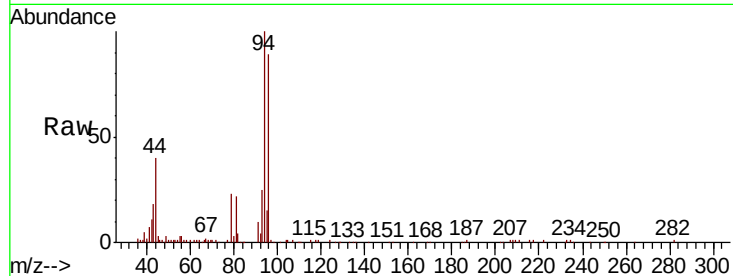
VSTDCCC050

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#6

Chloroethane

Concen: 49.267 ug/l

RT: 1.43 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF060368.D

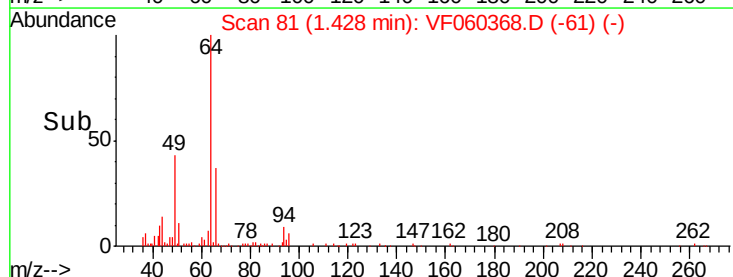
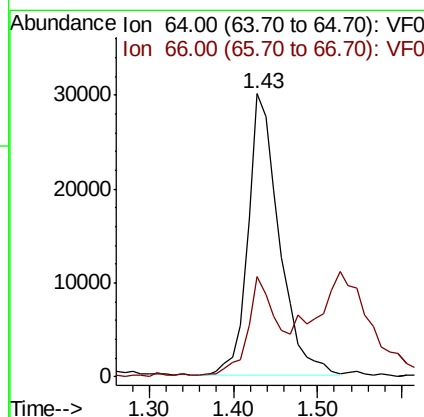
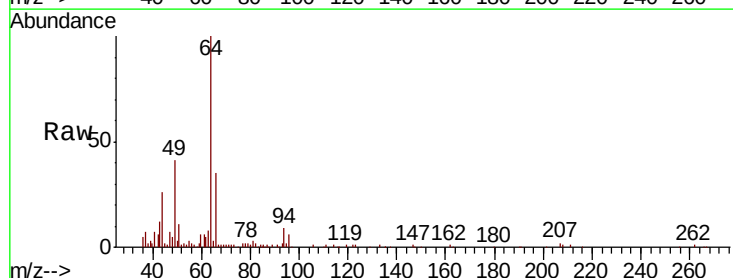
Acq: 28 Sep 2018 14:53

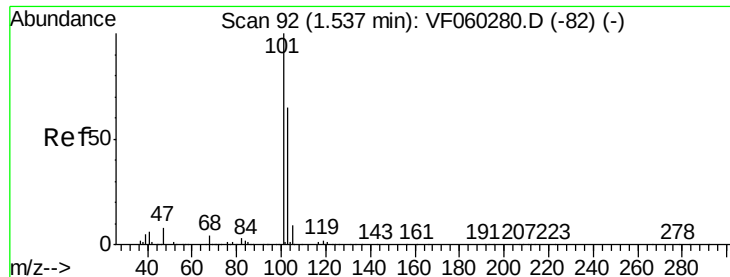
Tgt Ion: 64 Resp: 78114

Ion Ratio Lower Upper

64 100

66 35.5 26.2 39.2





#7

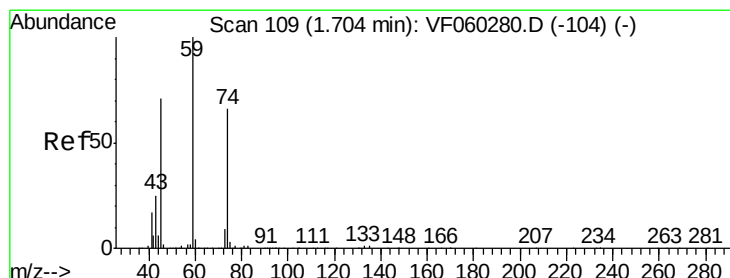
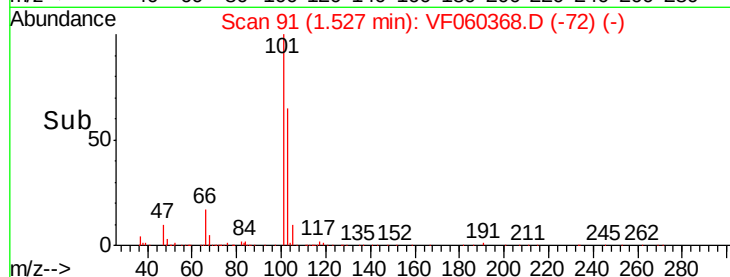
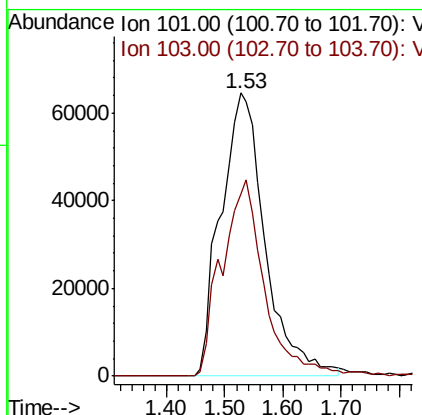
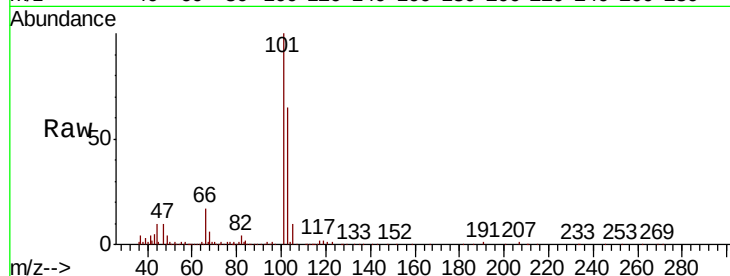
Trichlorofluoromethane
Concen: 55.060 ug/l
RT: 1.53 min Scan# 91
Delta R.T. -0.01 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.0	78.0

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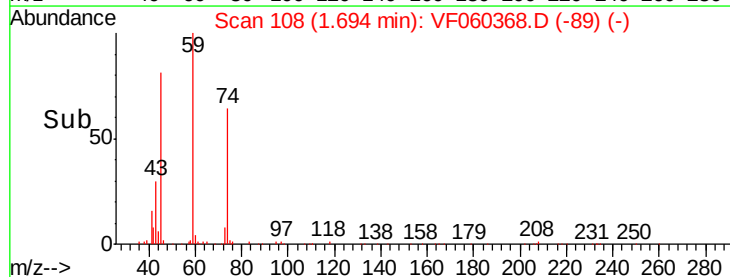
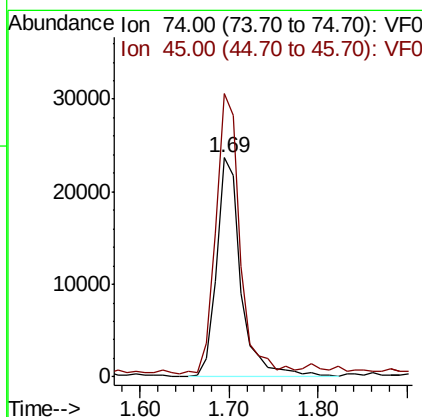
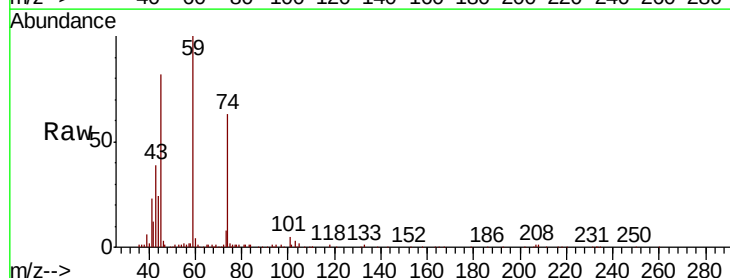
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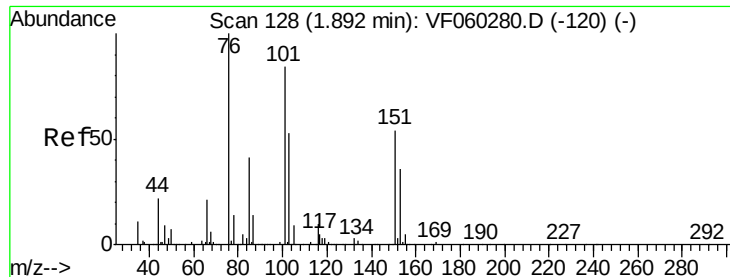


#8

Diethyl Ether
Concen: 44.181 ug/l
RT: 1.69 min Scan# 108
Delta R.T. -0.01 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	129.2	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.446 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

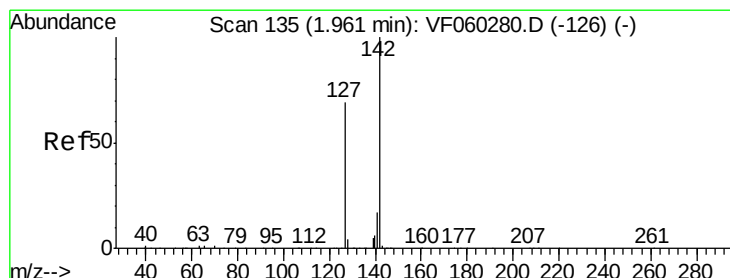
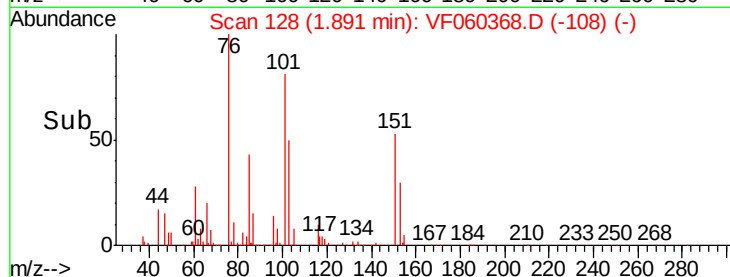
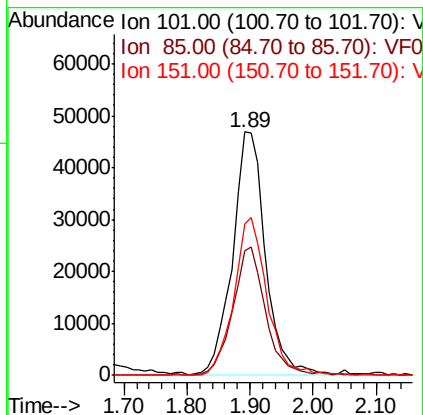
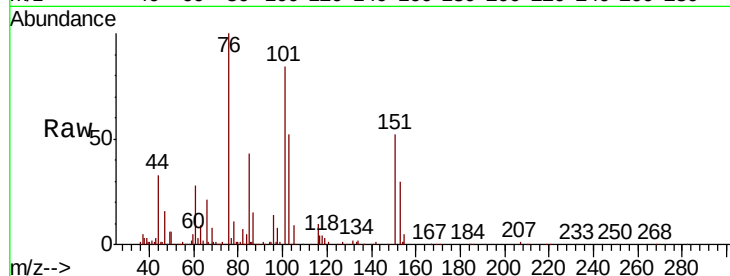
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	169695
Ion Ratio	Lower	Upper	
101	100		
85	51.3	38.7	58.1
151	62.3	50.8	76.2

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#10

Methyl Iodide

Concen: 46.339 ug/l m

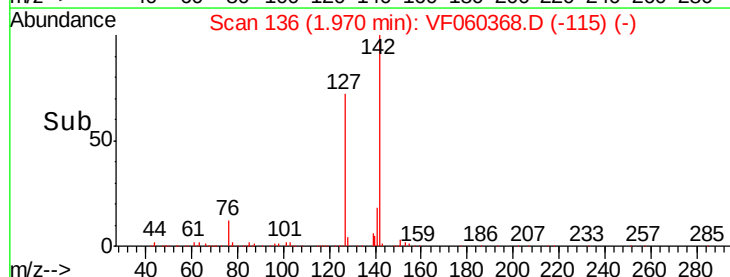
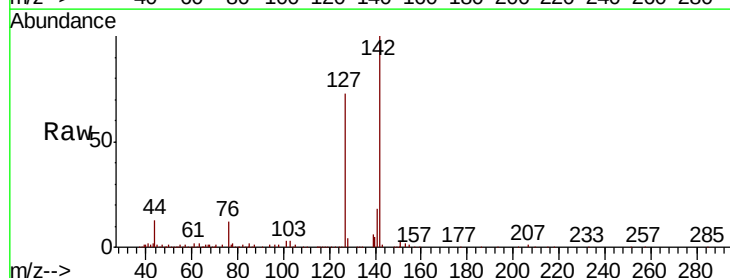
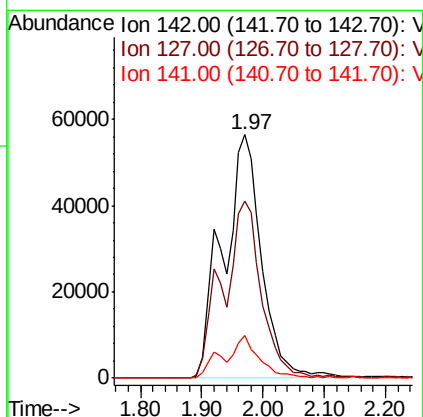
RT: 1.97 min Scan# 136

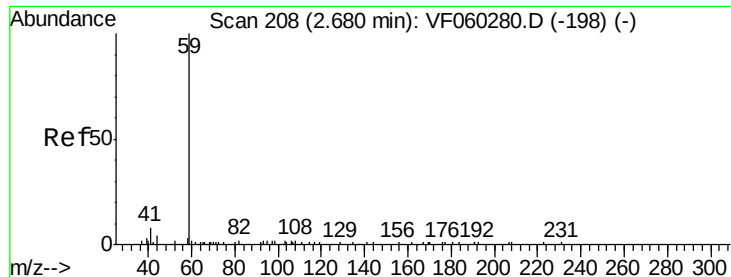
Delta R.T. 0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	142	Resp:	246481
Ion Ratio	Lower	Upper	
142	100		
127	72.7	55.4	83.0
141	17.7	13.3	19.9





#11

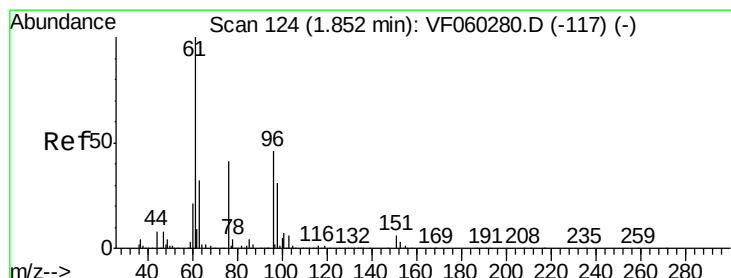
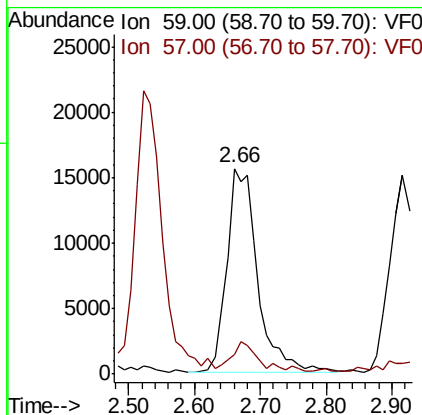
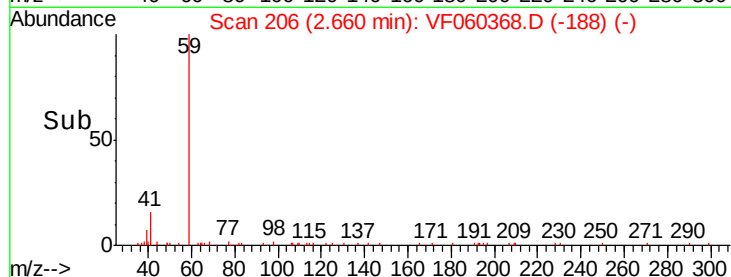
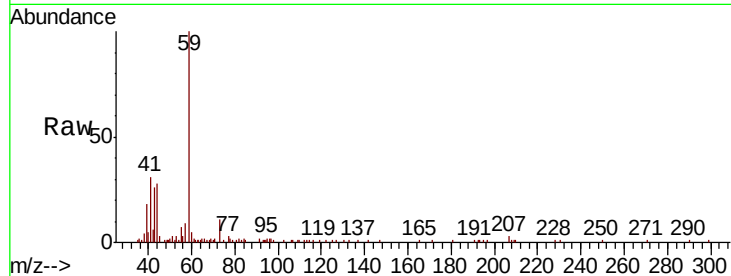
Tert butyl alcohol
Concen: 286.332 ug/l
RT: 2.66 min Scan# 206
Delta R.T. -0.02 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	12.4	18.6#

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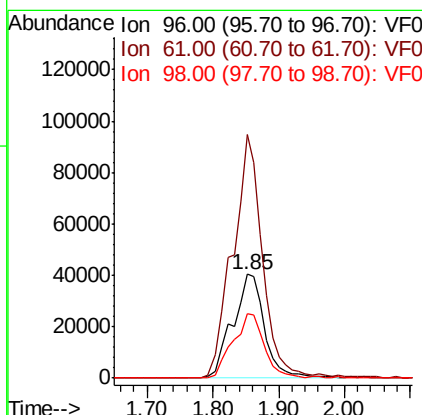
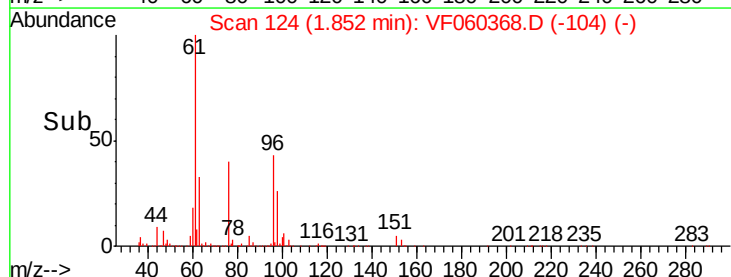
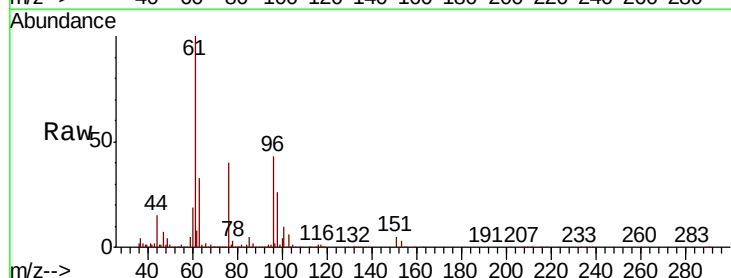
apatel
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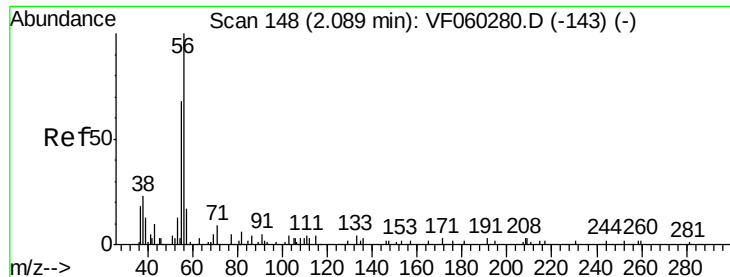


#12

1,1-Dichloroethene
Concen: 49.718 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.00 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	234.6	172.2	258.2
98	62.1	54.1	81.1





#13

Acrolein

Concen: 217.370 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 13165

Ion Ratio Lower Upper

56 100

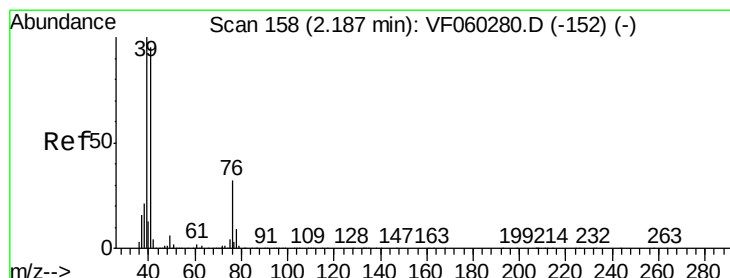
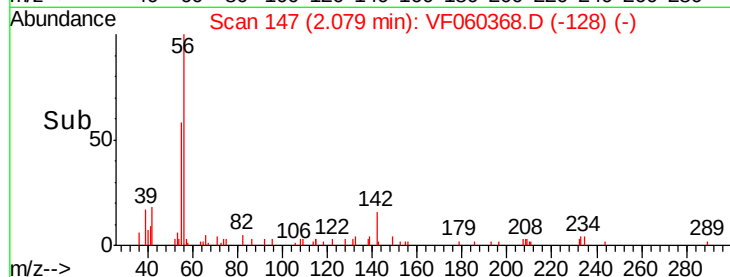
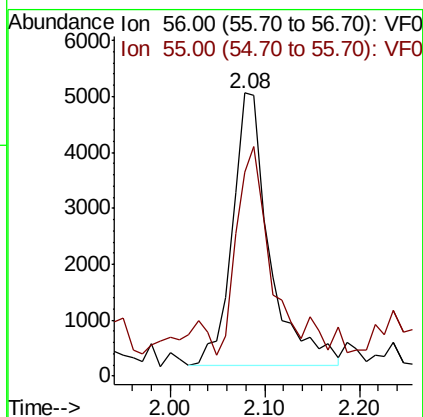
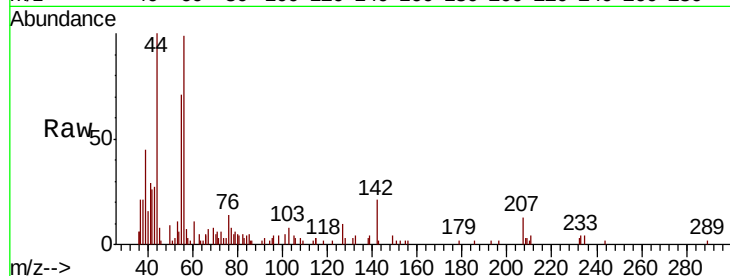
55 72.0 69.9 104.9

Manual Integrations

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#14

Allyl chloride

Concen: 45.520 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

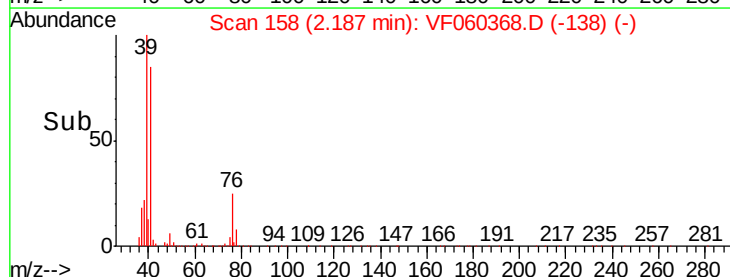
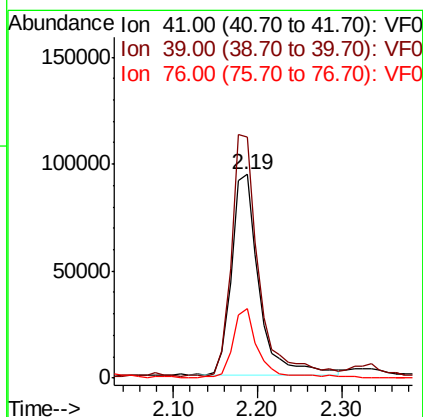
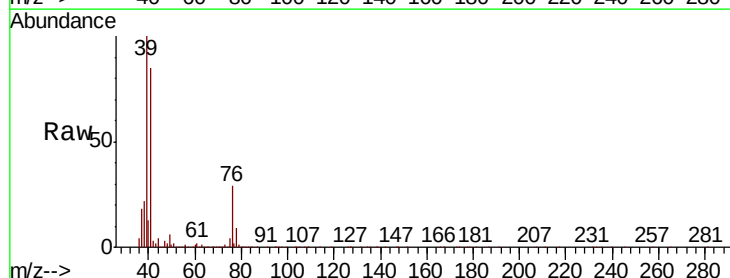
Tgt Ion: 41 Resp: 216689

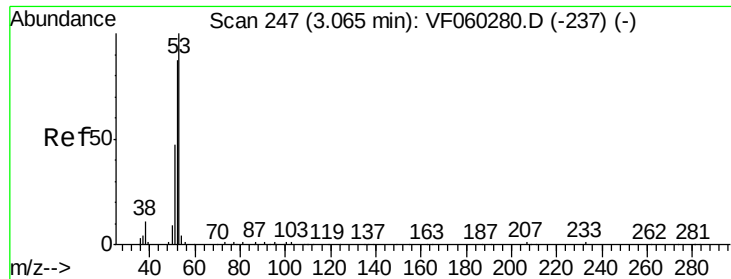
Ion Ratio Lower Upper

41 100

39 118.0 84.8 127.2

76 34.4 27.4 41.2





#15

Acrylonitrile

Concen: 218.844 ug/l

RT: 3.06 min Scan# 247

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

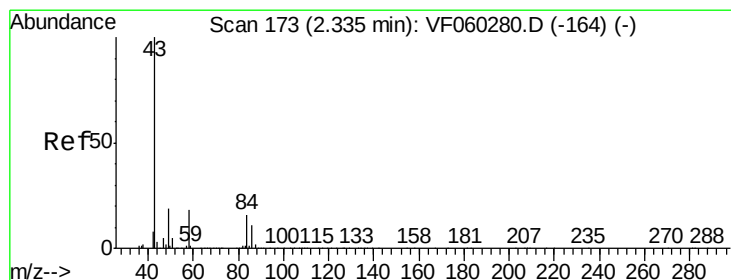
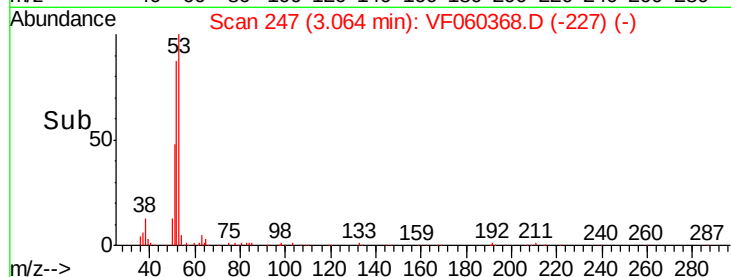
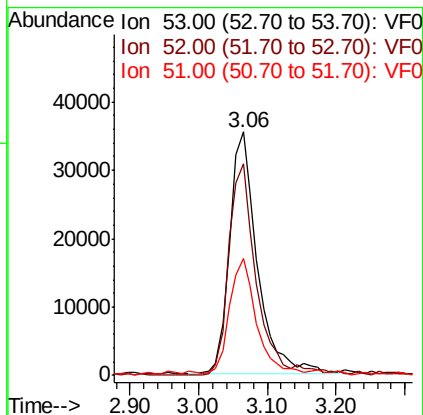
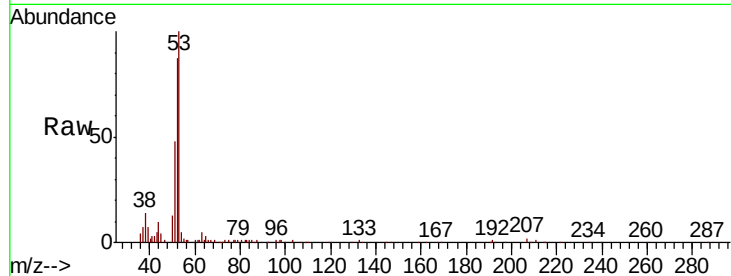
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	99766
Ion	Ratio	Lower	Upper
53	100		
52	86.9	69.5	104.3
51	48.1	38.1	57.1

Manual Integrations
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#16

Acetone

Concen: 275.583 ug/l

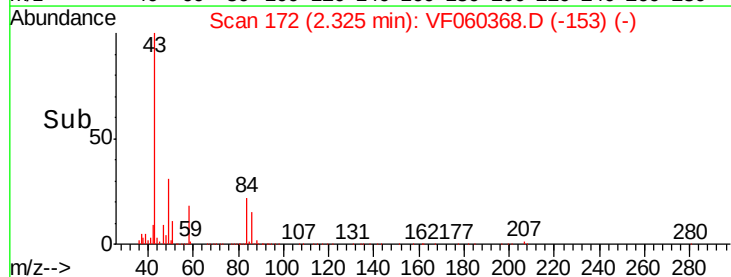
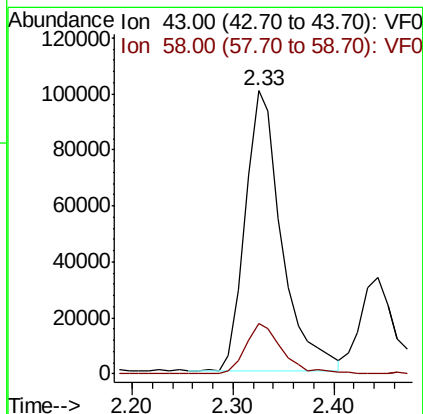
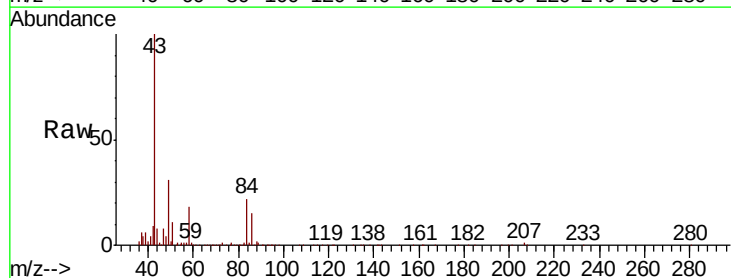
RT: 2.33 min Scan# 172

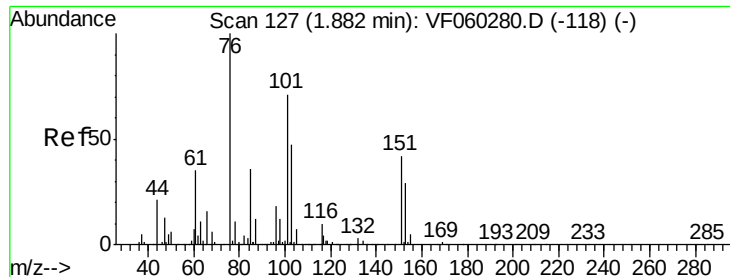
Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	43	Resp:	250511
Ion	Ratio	Lower	Upper
43	100		
58	17.7	14.5	21.7





#17

Carbon Disulfide

Concen: 47.768 ug/l

RT: 1.88 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 329731

Ion Ratio Lower Upper

76 100

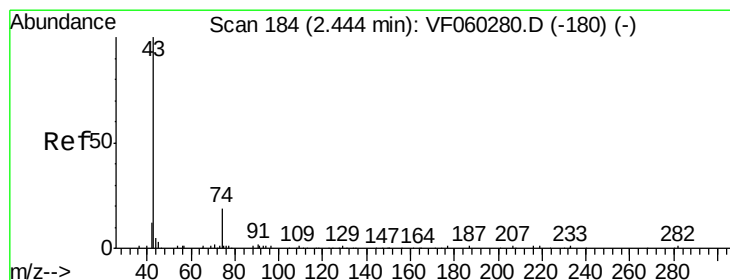
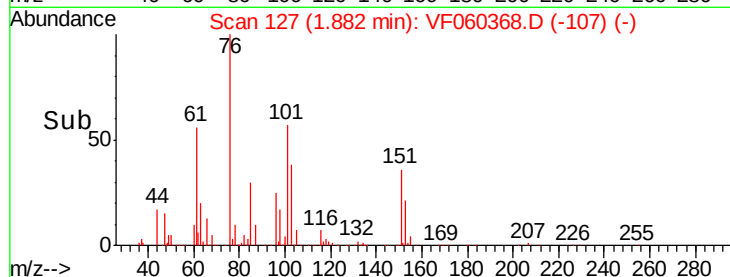
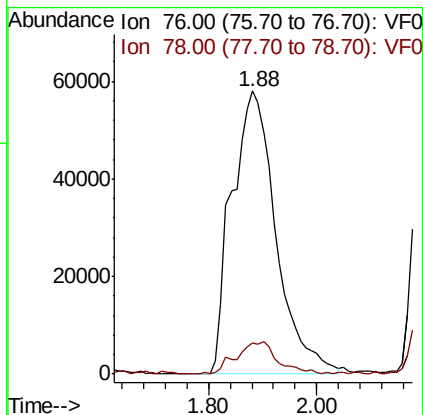
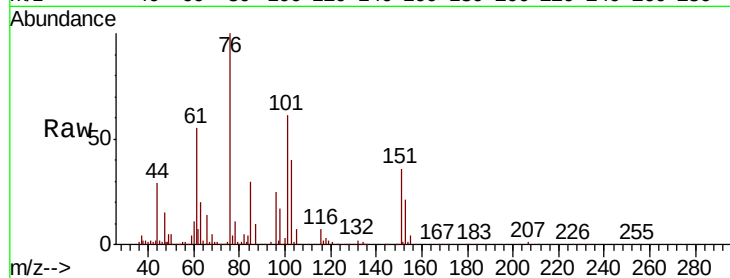
78 11.1 9.4 14.0

Manual Integrations

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#18

Methyl Acetate

Concen: 54.040 ug/l m

RT: 2.44 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF060368.D

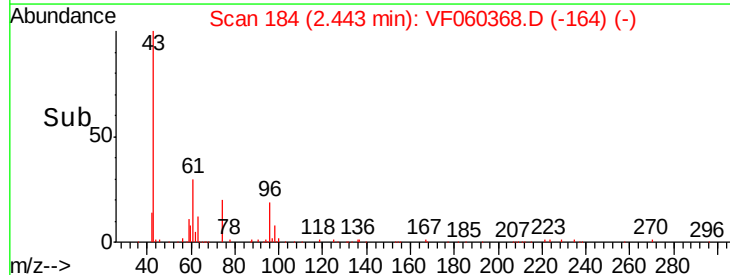
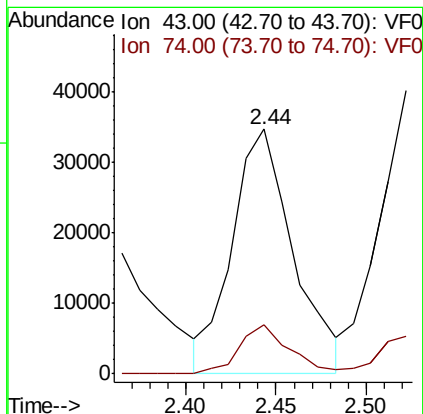
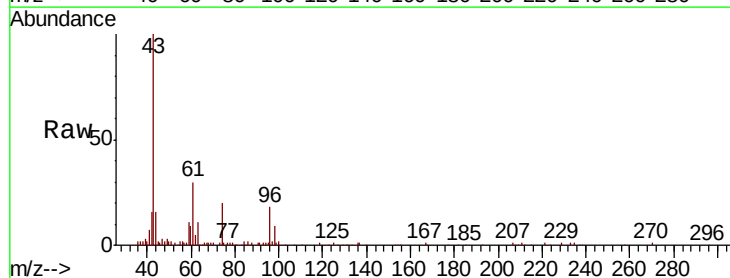
Acq: 28 Sep 2018 14:53

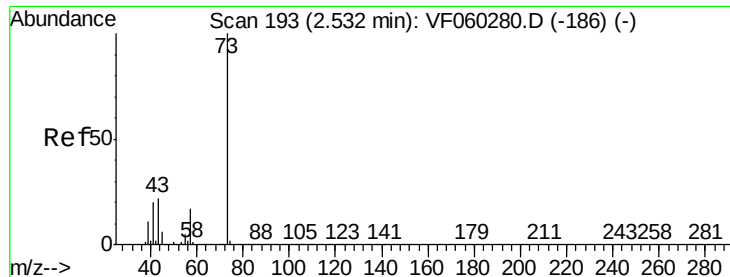
Tgt Ion: 43 Resp: 81836

Ion Ratio Lower Upper

43 100

74 19.9 12.7 19.1#





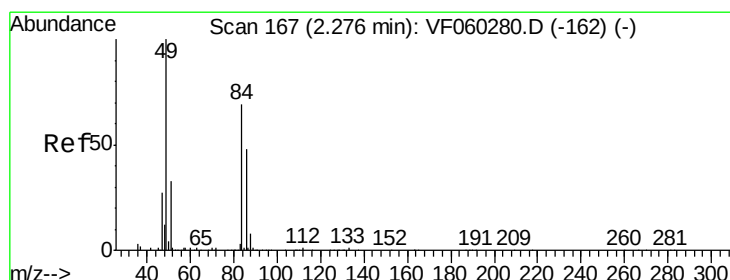
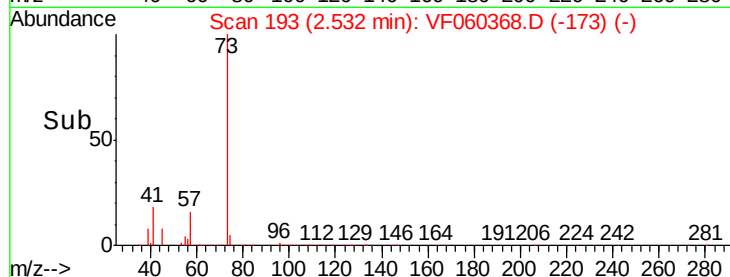
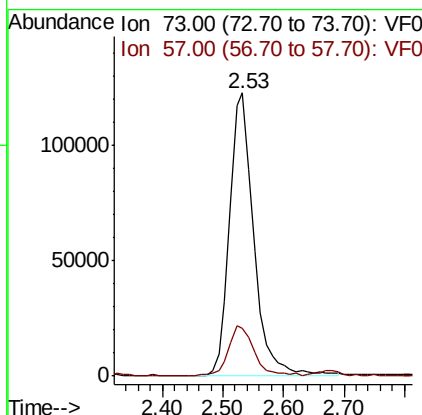
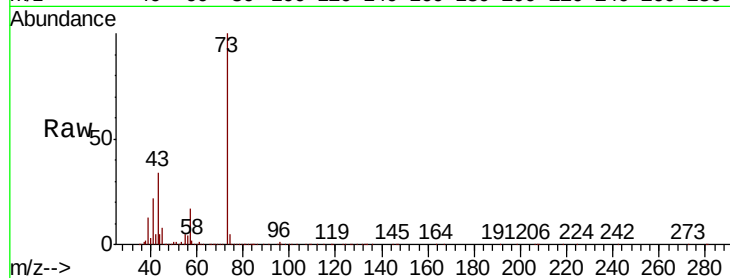
#19
Methyl tert-butyl Ether
Concen: 50.082 ug/l
RT: 2.53 min Scan# 193
Delta R.T. -0.00 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.9	14.5	21.7

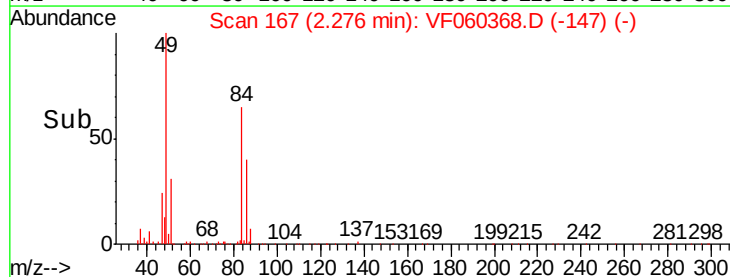
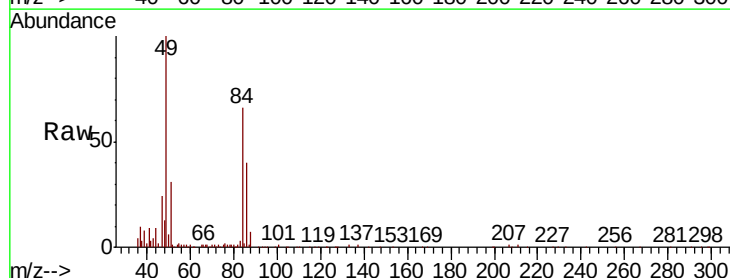
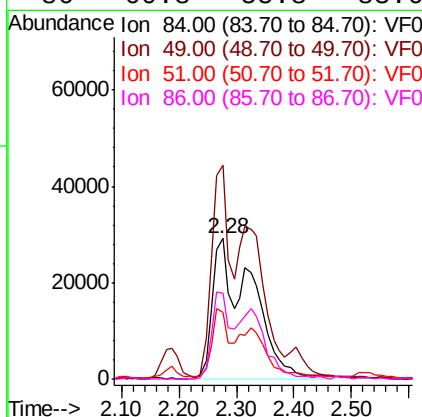
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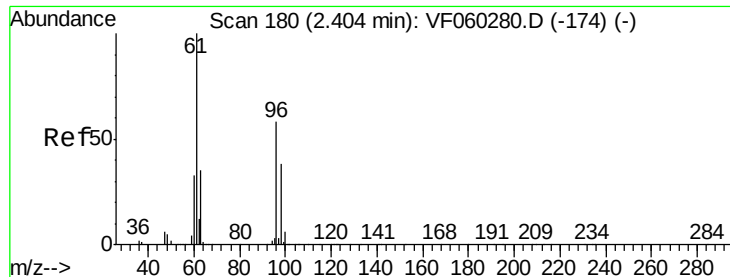
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#20
Methylene Chloride
Concen: 57.674 ug/l m
RT: 2.28 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.1	118.3	177.5
51	47.9	38.7	58.1
86	60.8	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 46.674 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

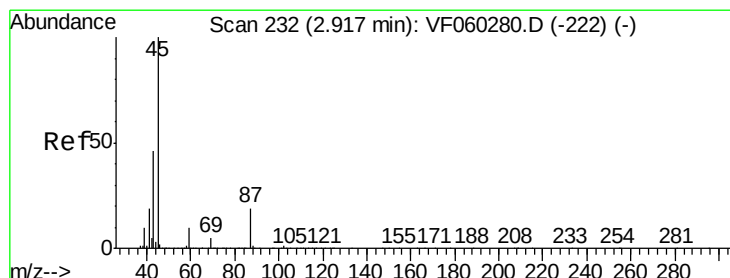
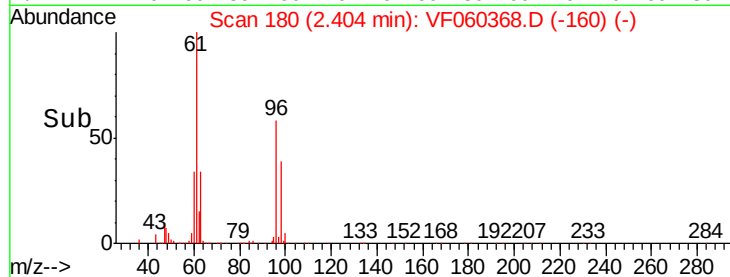
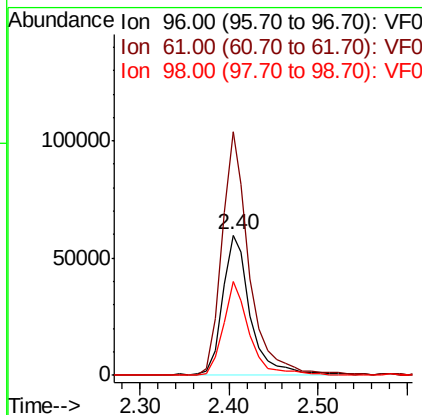
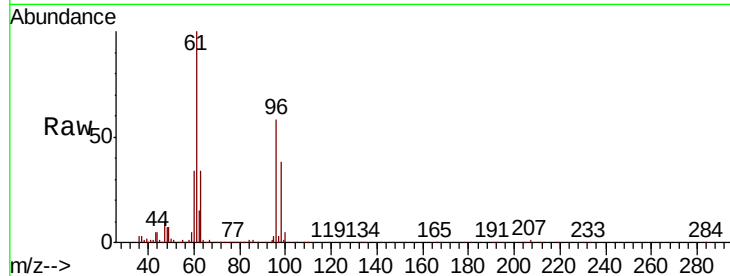
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	131503
Ion	Ratio	Lower	Upper
96	100		
61	173.2	136.4	204.6
98	66.5	51.8	77.6

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#22

Diisopropyl ether

Concen: 48.833 ug/l

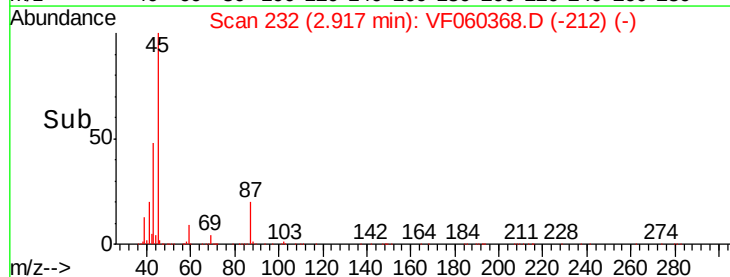
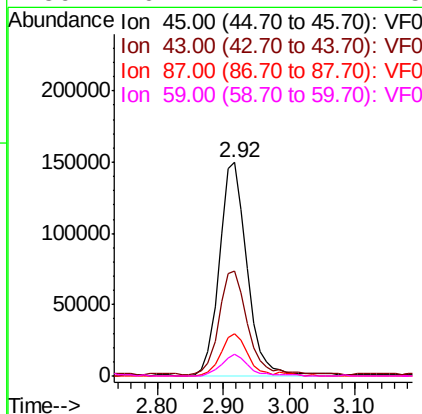
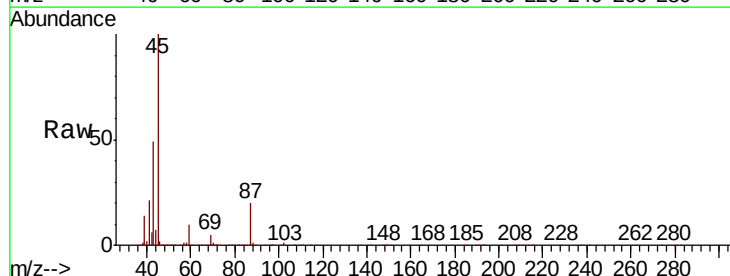
RT: 2.92 min Scan# 232

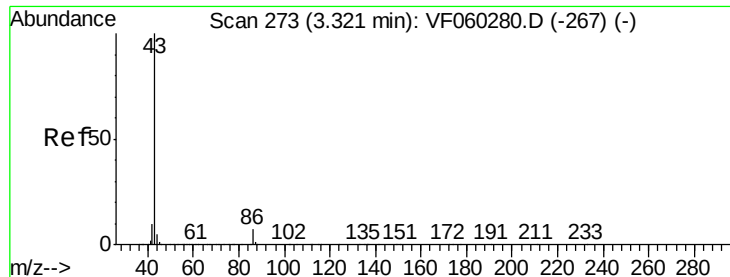
Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	45	Resp:	438590
Ion	Ratio	Lower	Upper
45	100		
43	49.3	38.2	57.2
87	19.8	15.5	23.3
59	10.2	7.7	11.5





#23

Vinyl Acetate

Concen: 237.860 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 839050

Ion Ratio Lower Upper

43 100

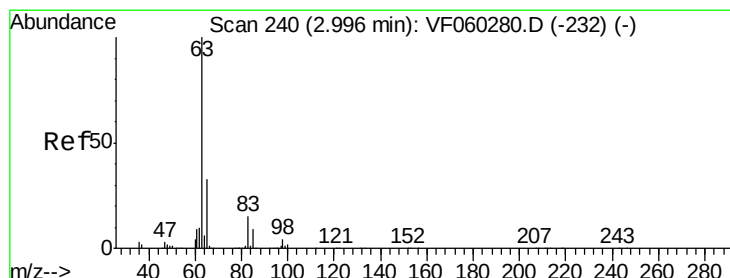
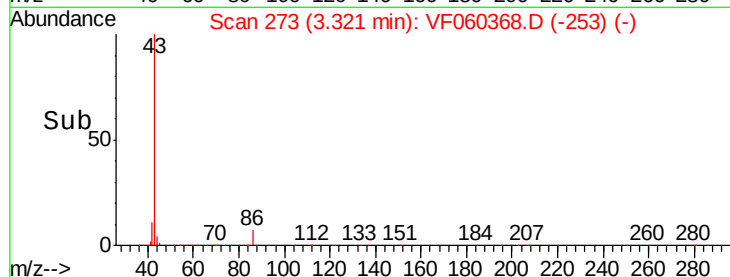
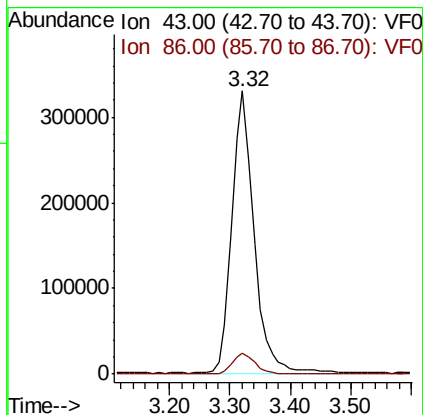
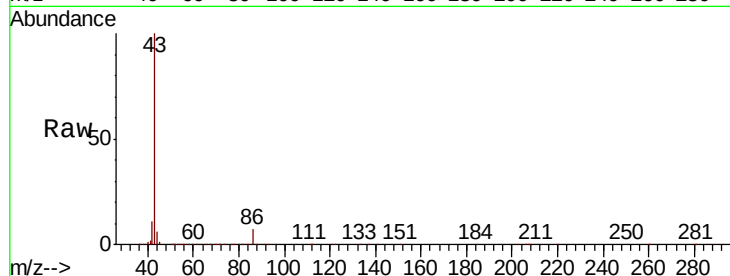
86 7.2 5.9 8.9

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#24

1,1-Dichloroethane

Concen: 49.160 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

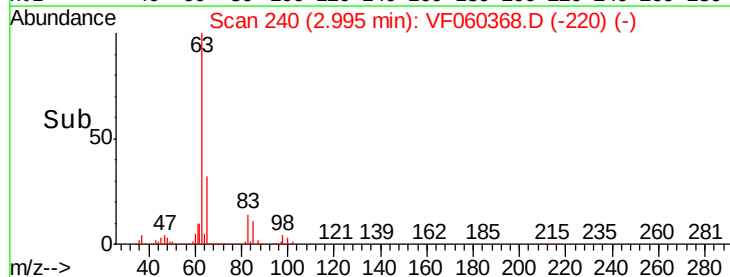
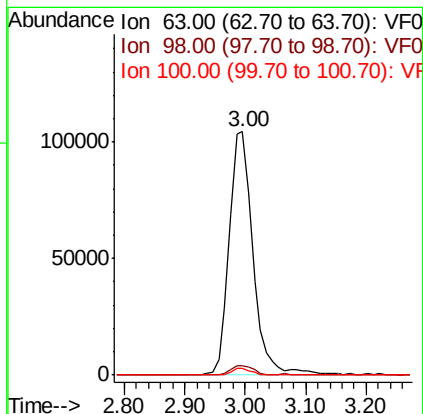
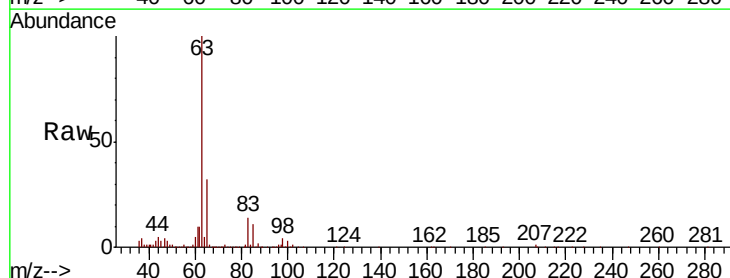
Tgt Ion: 63 Resp: 286347

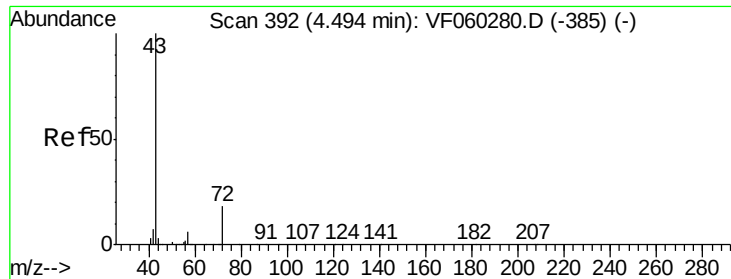
Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.5

100 2.7 1.1 3.3





#25

2-Butanone

Concen: 251.499 ug/l

RT: 4.49 min Scan# 392

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 307719

Ion Ratio Lower Upper

43 100

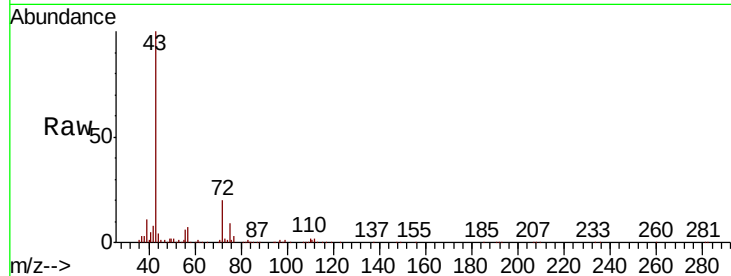
72 19.9 16.2 24.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

80000

60000

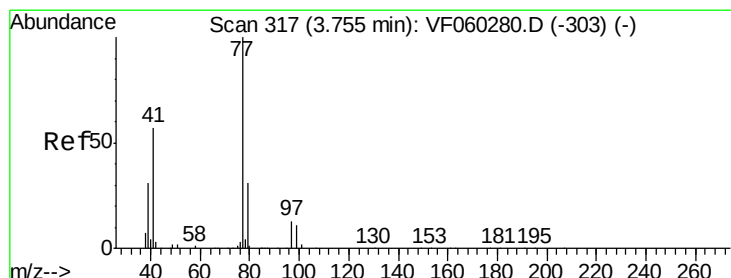
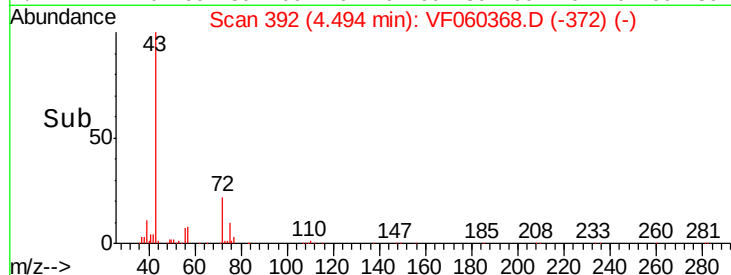
40000

20000

0

4.30 4.40 4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 49.261 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.00 min

Lab File: VF060368.D

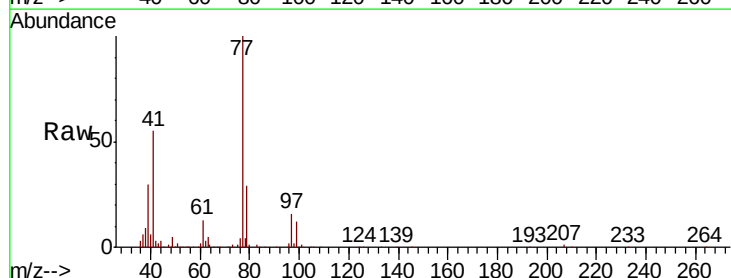
Acq: 28 Sep 2018 14:53

Tgt Ion: 77 Resp: 163720

Ion Ratio Lower Upper

77 100

97 16.3 9.3 27.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

50000

40000

30000

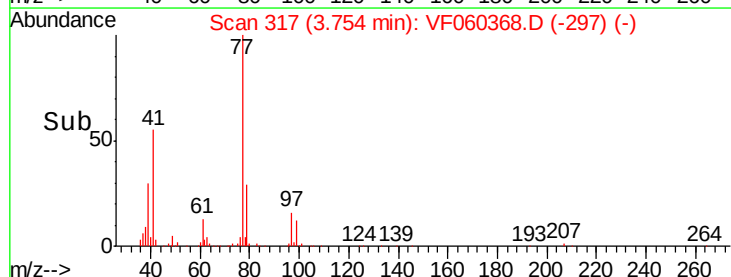
20000

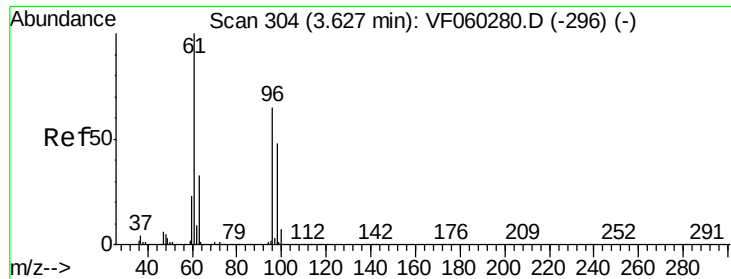
10000

0

3.60 3.70 3.80 3.90 4.00

Time-->





#27

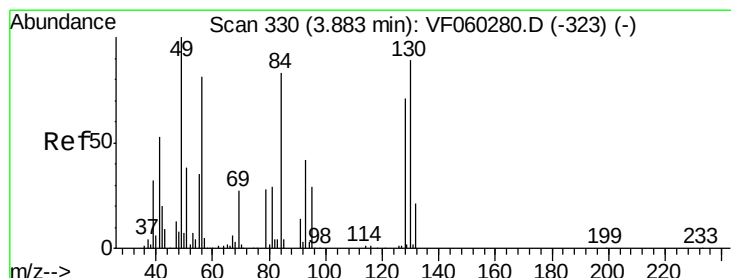
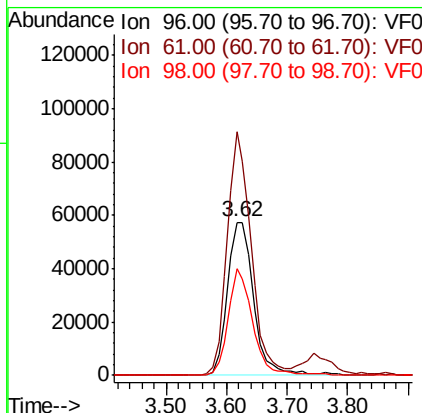
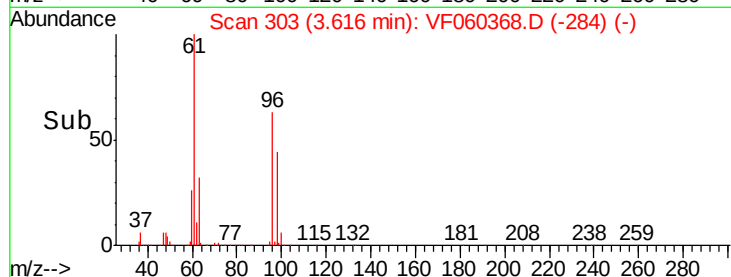
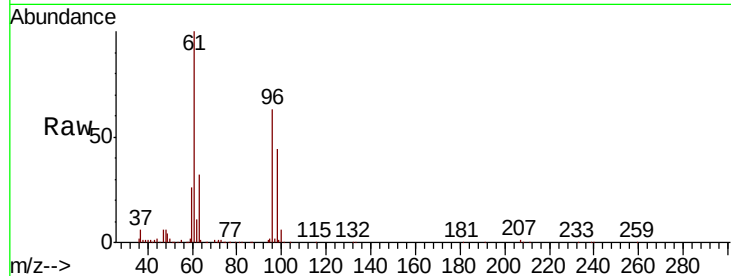
cis-1,2-Dichloroethene
Concen: 46.961 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	173821		
61	158.8	0.0	304.8	
98	69.9	0.0	146.4	

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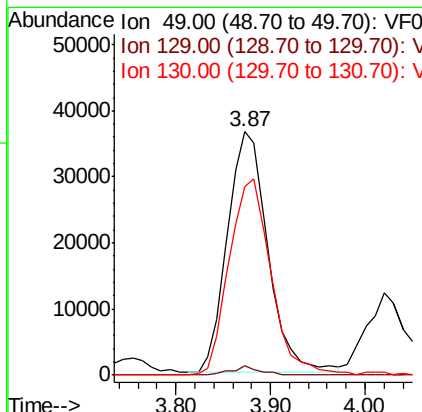
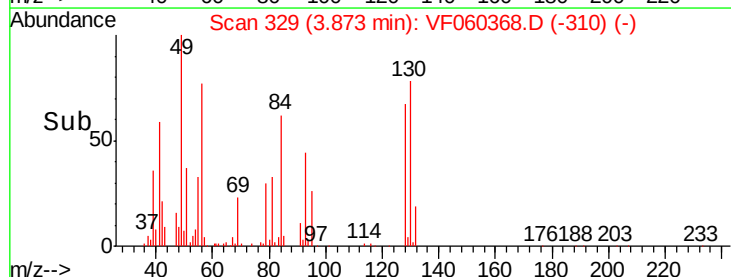
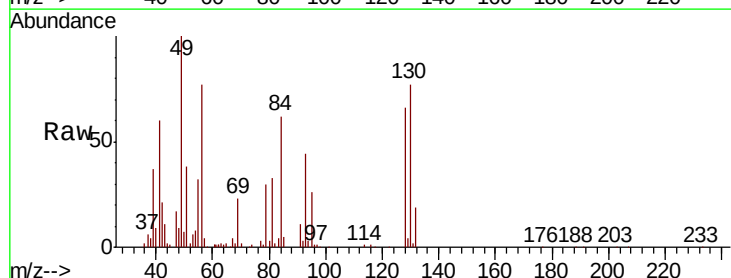
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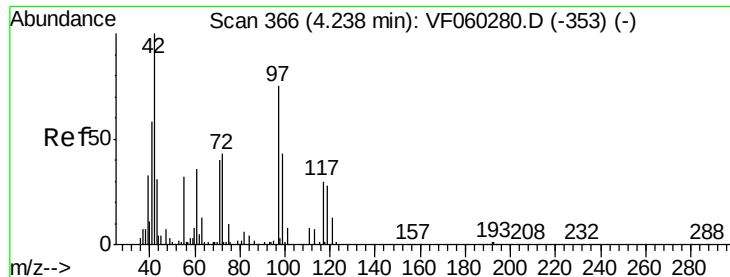


#28

Bromochloromethane
Concen: 47.697 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	108167		
129	3.7	0.0	4.2	
130	77.5	70.3	105.5	





#29

Tetrahydrofuran

Concen: 226.042 ug/l

RT: 4.23 min Scan# 365

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

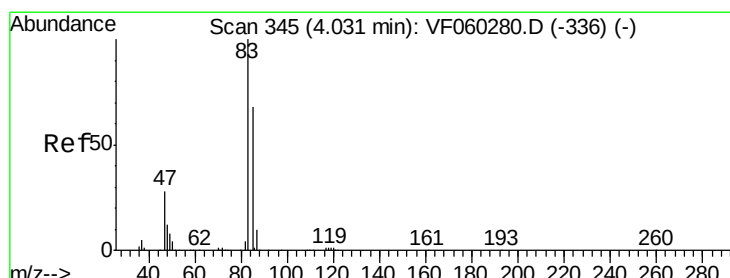
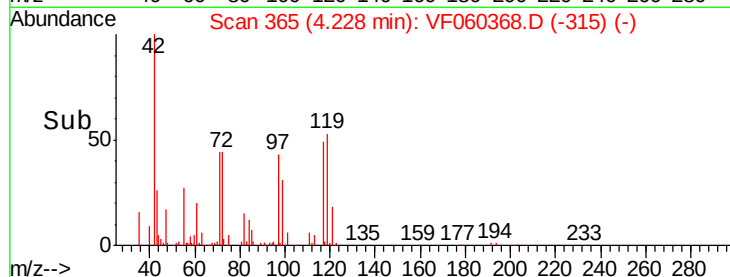
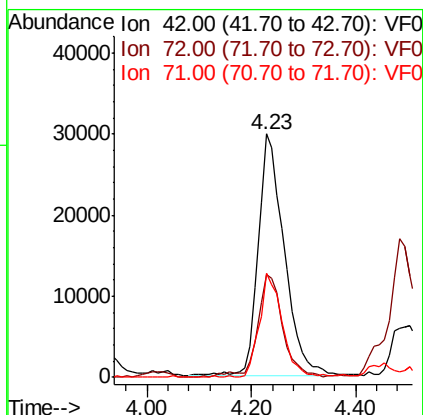
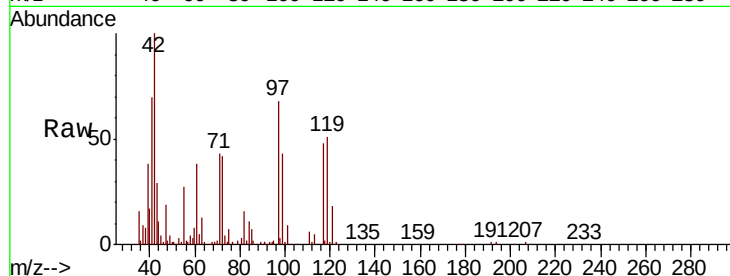
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	101281
Ion Ratio		Lower	Upper
42	100		
72	39.6	32.6	49.0
71	38.0	32.7	49.1

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#30

Chloroform

Concen: 51.742 ug/l

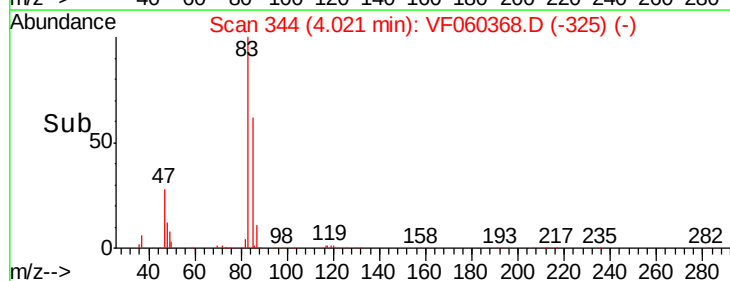
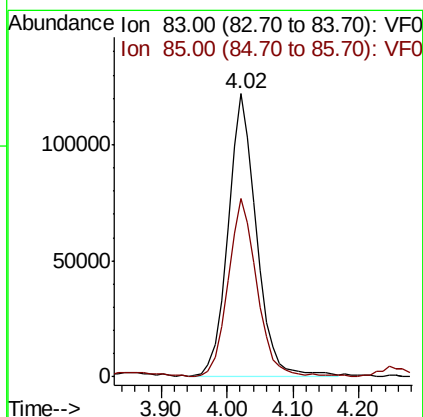
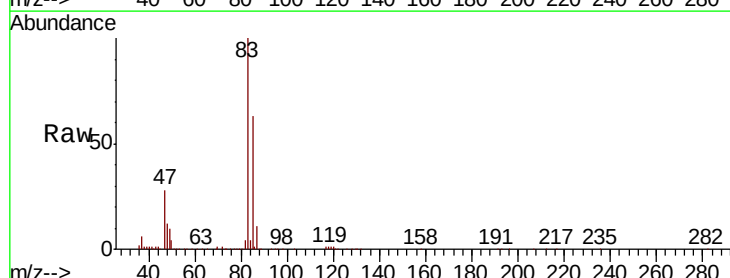
RT: 4.02 min Scan# 344

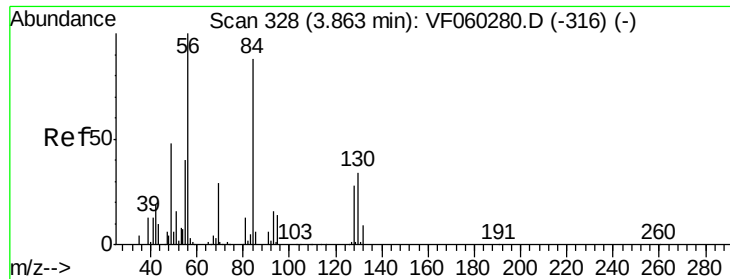
Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	83	Resp:	363661
Ion Ratio		Lower	Upper
83	100		
85	62.9	54.9	82.3





#31

Cyclohexane

Concen: 40.587 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

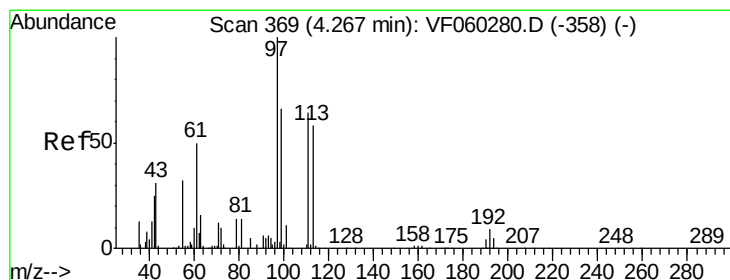
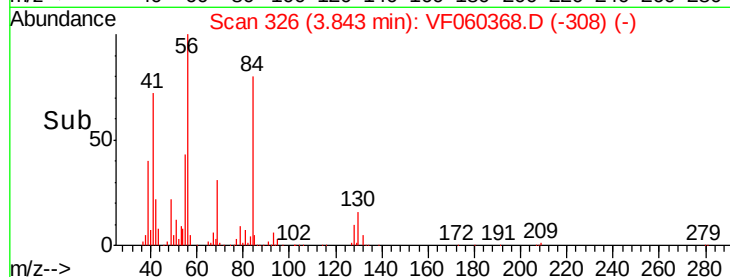
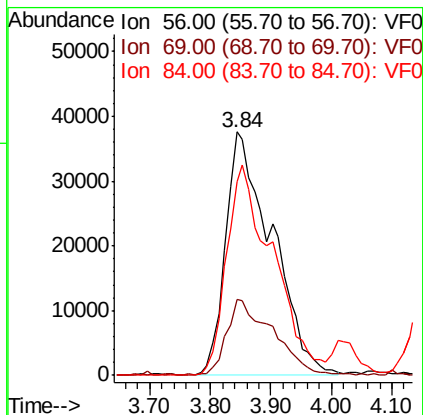
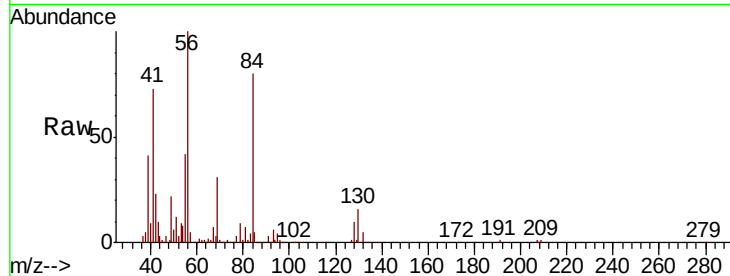
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	199690
Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.8	35.6
84	79.7	70.2	105.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.325 ug/l

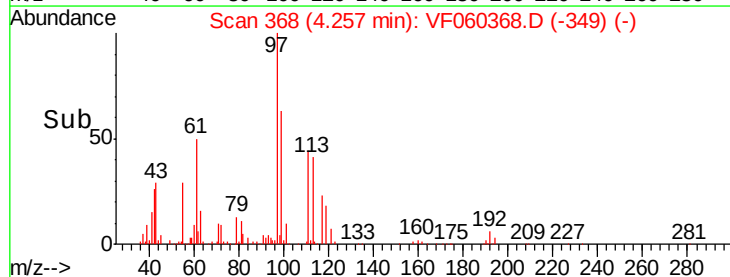
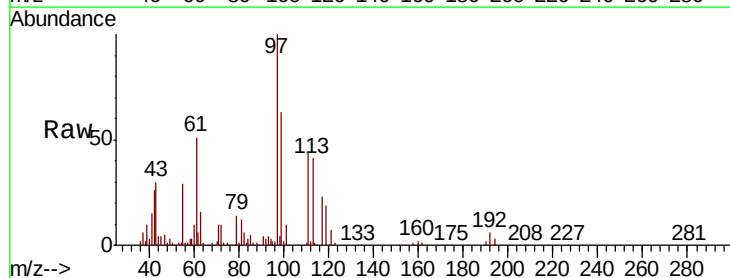
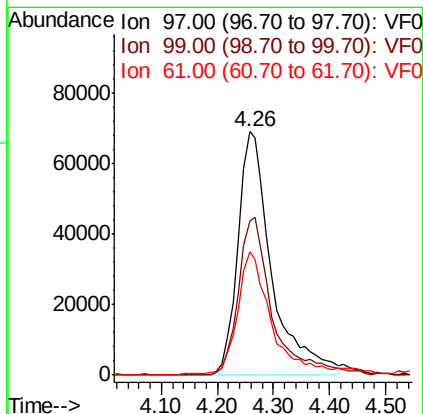
RT: 4.26 min Scan# 368

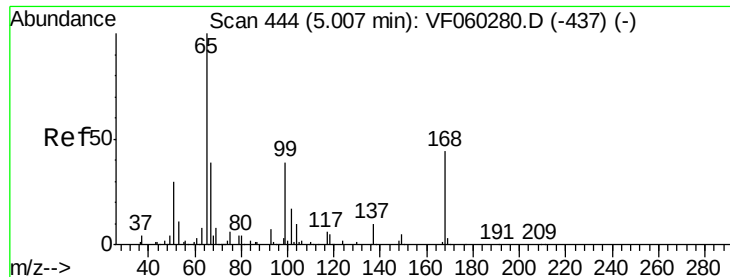
Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	97	Resp:	290178
Ion	Ratio	Lower	Upper
97	100		
99	63.2	53.0	79.4
61	50.8	40.6	61.0





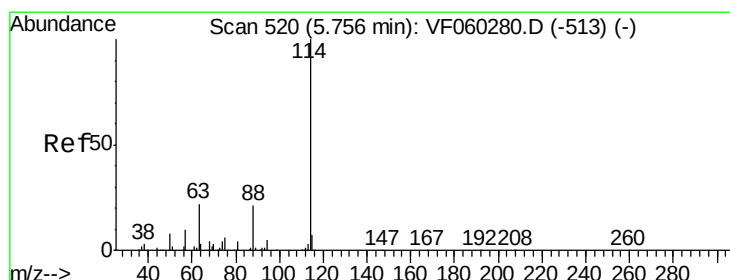
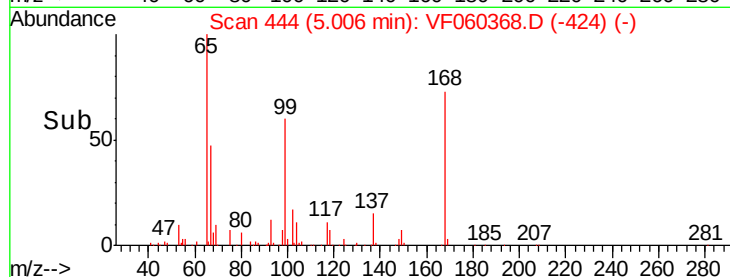
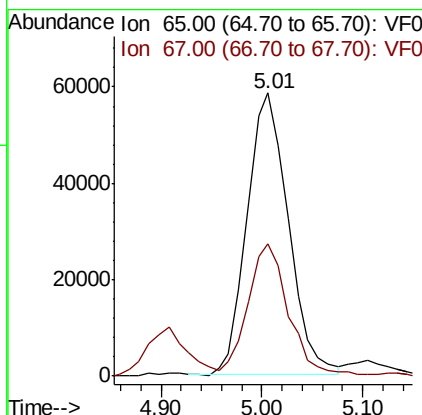
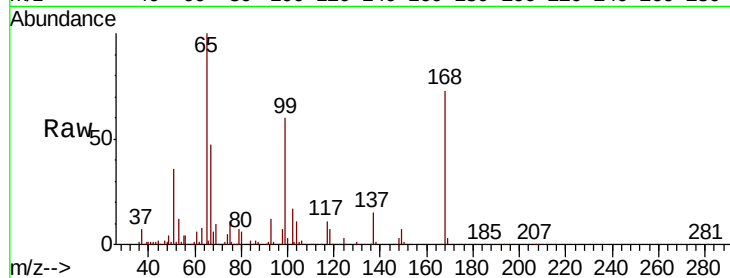
#33
 1,2-Dichloroethane-d4
 Concen: 51.856 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. -0.00 min
 Lab File: VF060368.D
 Acq: 28 Sep 2018 14:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	167381		
67	46.9	0.0	94.4	

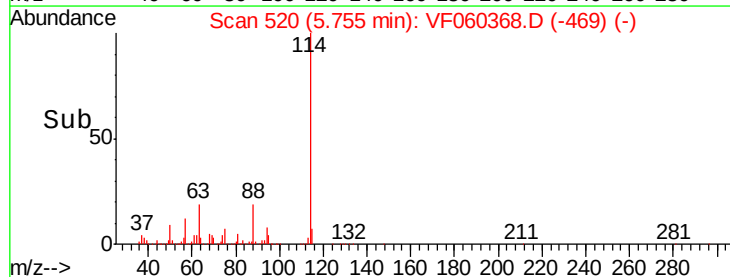
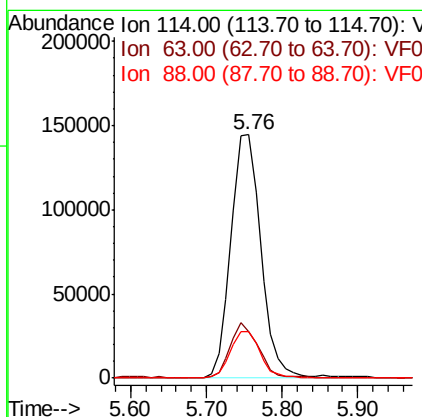
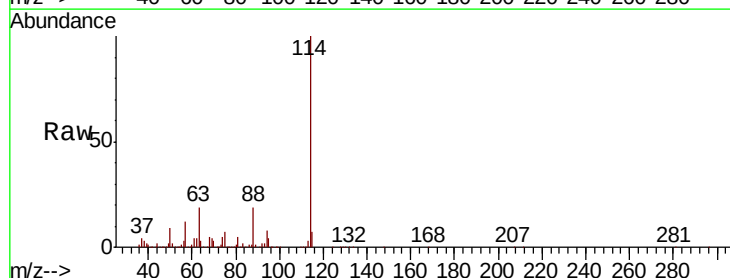
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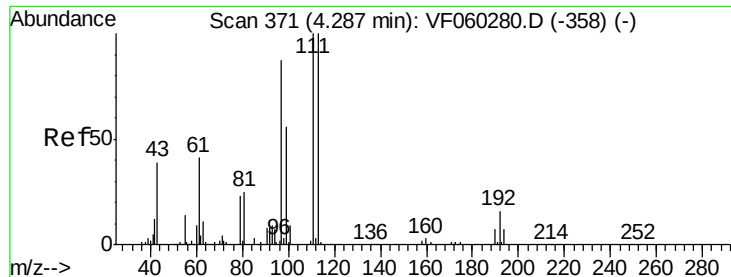
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF060368.D
 Acq: 28 Sep 2018 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	398900		
63	19.0	0.0	43.8	
88	19.2	0.0	41.2	





#35

Dibromofluoromethane

Concen: 48.441 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

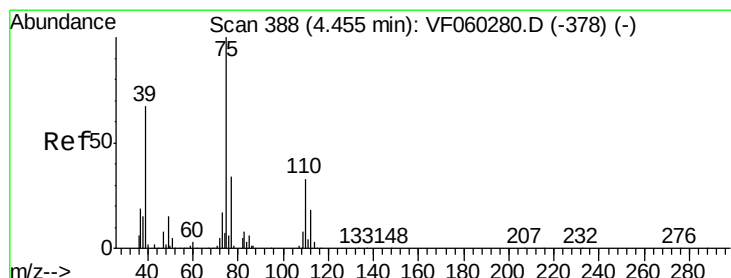
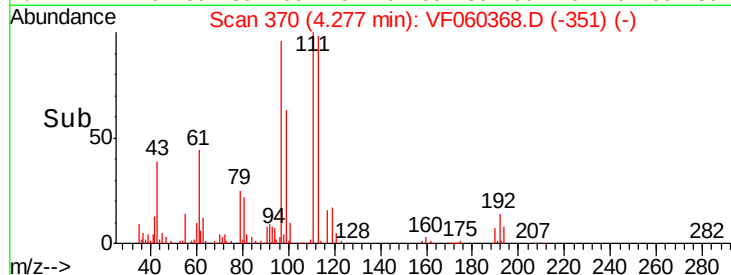
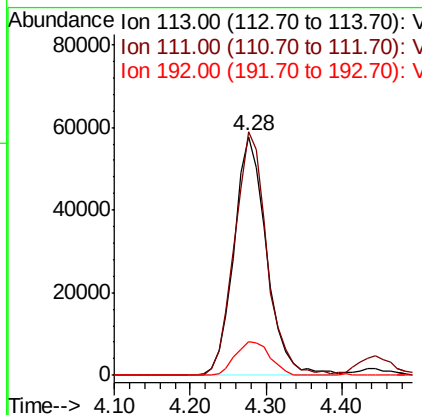
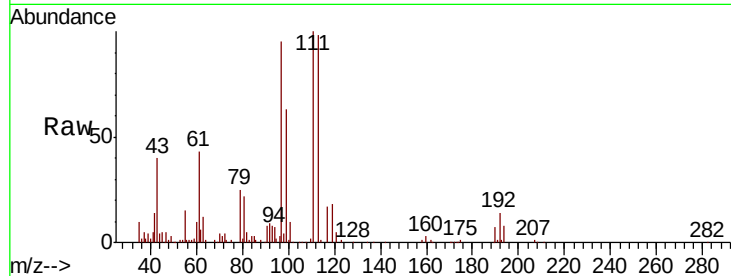
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	172253
Ion	Ratio	Lower	Upper
113	100		
111	102.1	79.6	119.4
192	14.0	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 49.085 ug/l

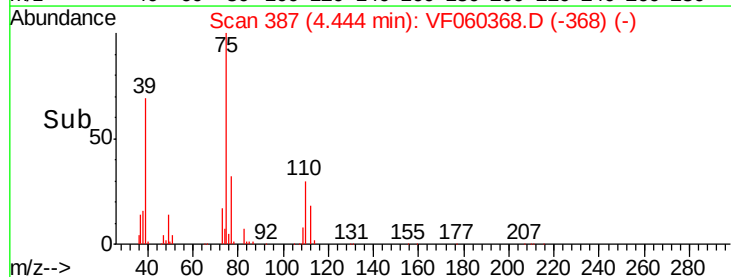
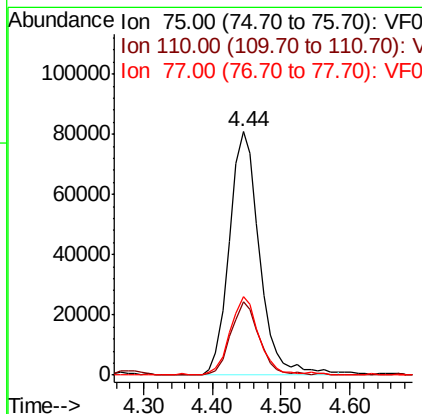
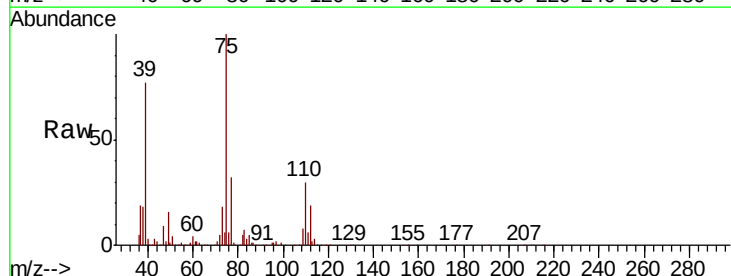
RT: 4.44 min Scan# 387

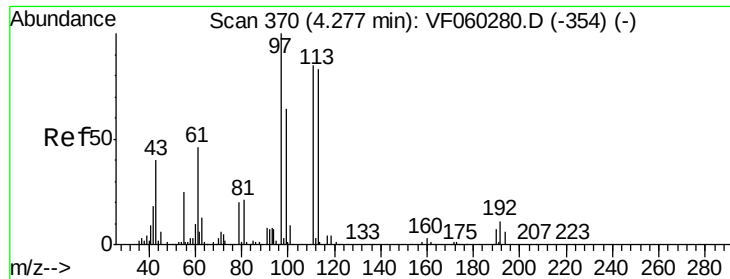
Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	75	Resp:	244233
Ion	Ratio	Lower	Upper
75	100		
110	30.2	16.4	49.2
77	32.4	27.3	40.9





#37

Ethyl Acetate

Concen: 43.716 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

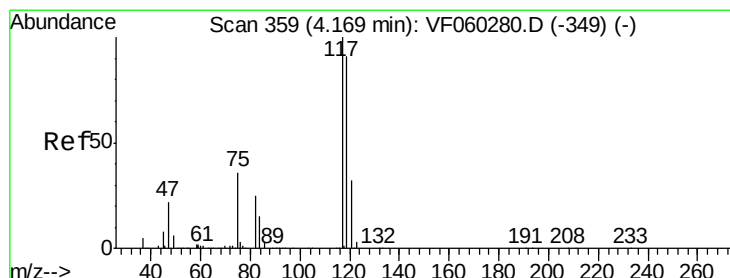
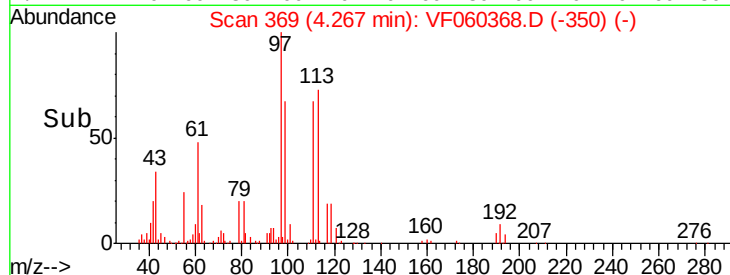
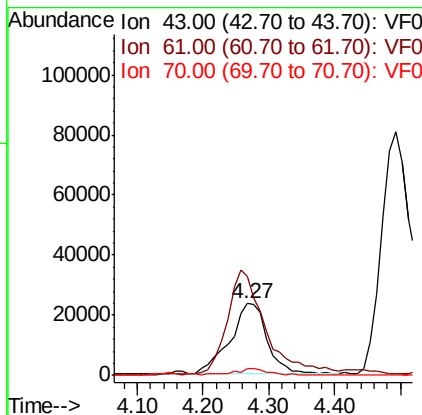
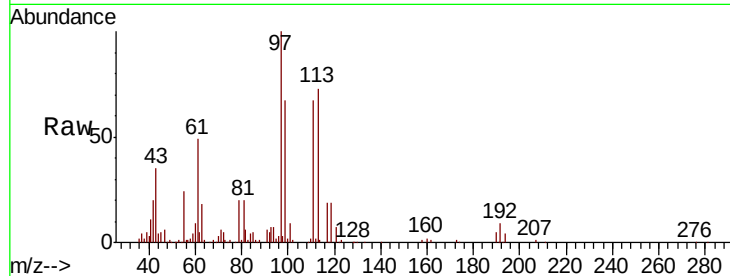
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	92039
Ion	Ratio	Lower	Upper
43	100		
61	137.2	91.1	136.7#
70	9.0	6.9	10.3

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#38

Carbon Tetrachloride

Concen: 51.067 ug/l

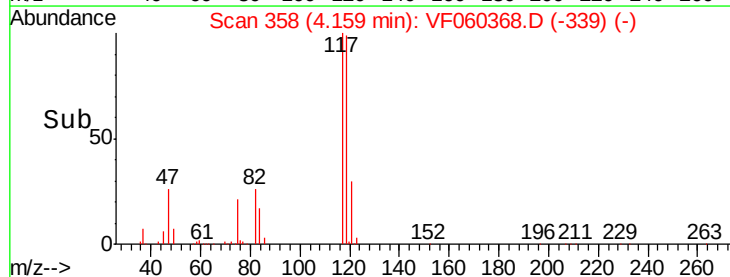
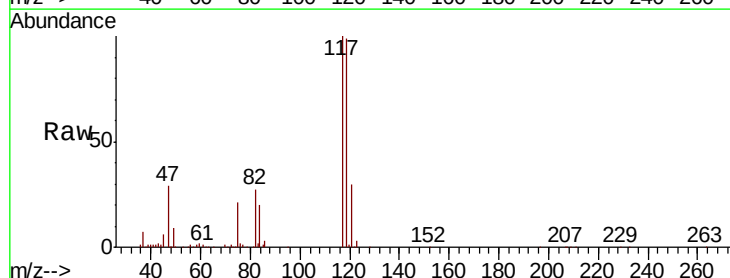
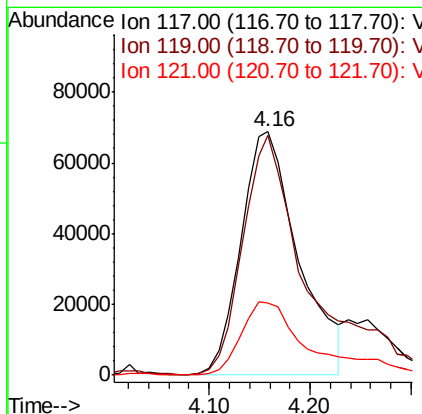
RT: 4.16 min Scan# 358

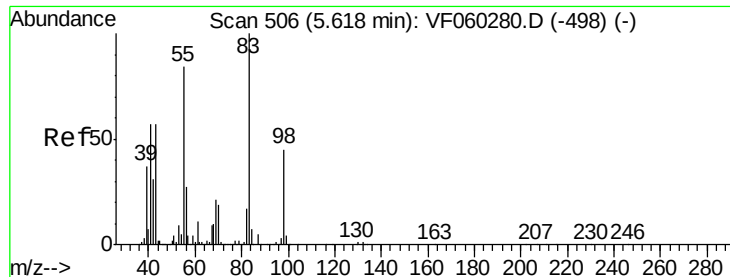
Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	117	Resp:	272924
Ion	Ratio	Lower	Upper
117	100		
119	98.5	73.0	109.6
121	29.8	25.4	38.2





#39

Methylcyclohexane

Concen: 44.958 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

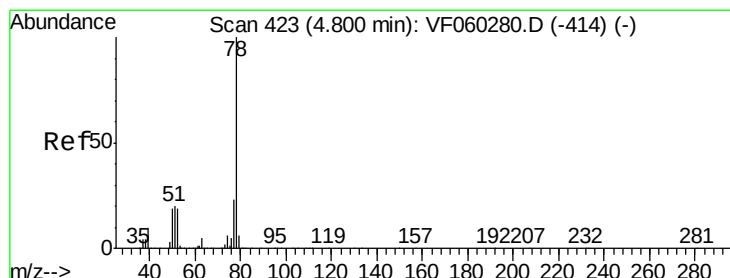
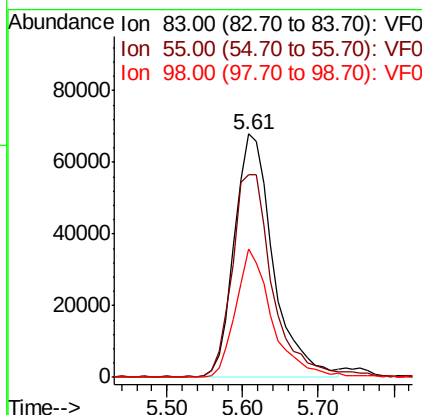
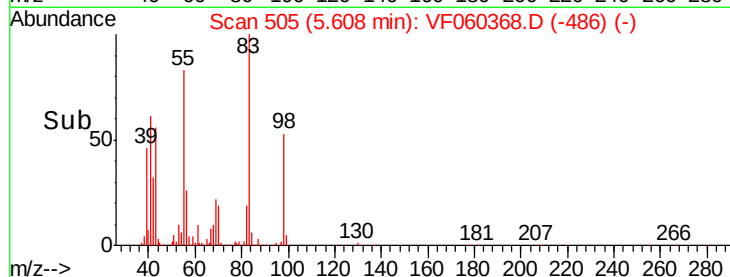
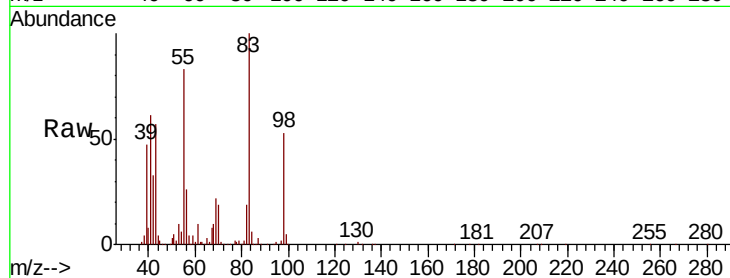
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	242443
Ion	Ratio	Lower	Upper
83	100		
55	83.0	67.3	100.9
98	52.8	36.1	54.1

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#40

Benzene

Concen: 47.056 ug/l

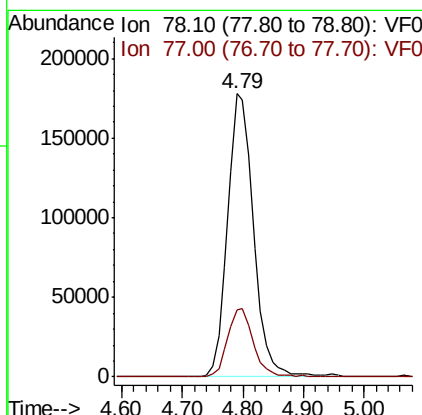
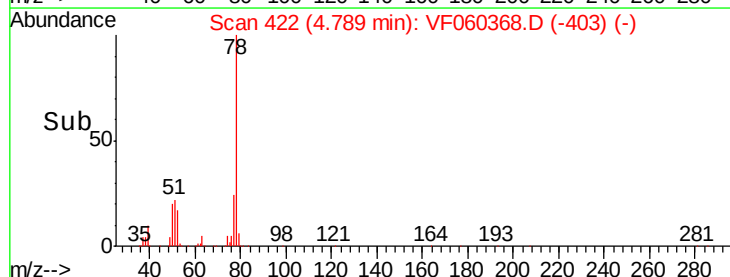
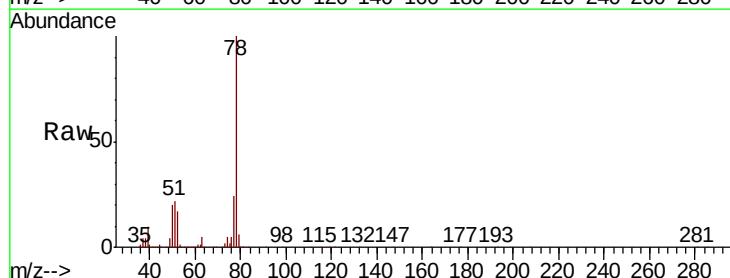
RT: 4.79 min Scan# 422

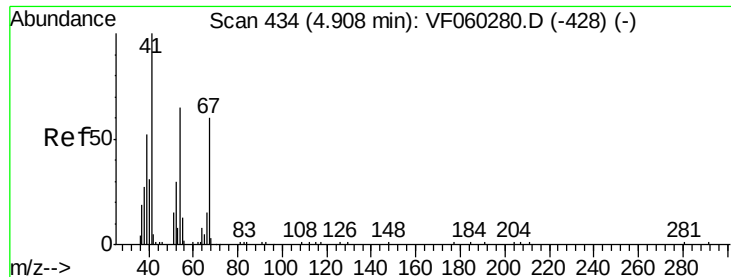
Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	78	Resp:	530906
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.4	27.6





#41

Methacrylonitrile

Concen: 46.248 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

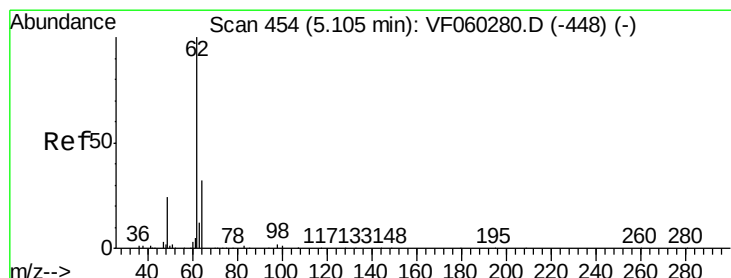
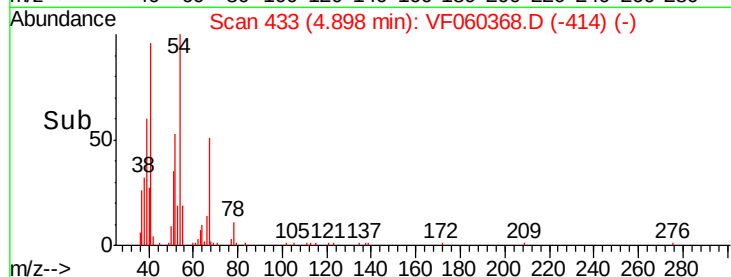
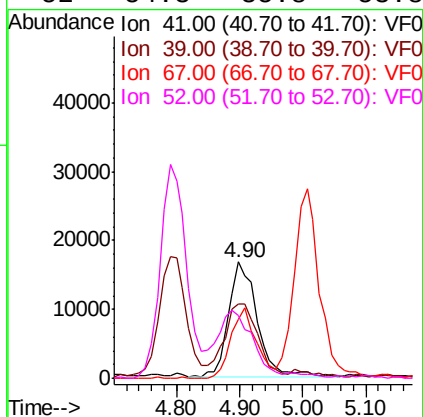
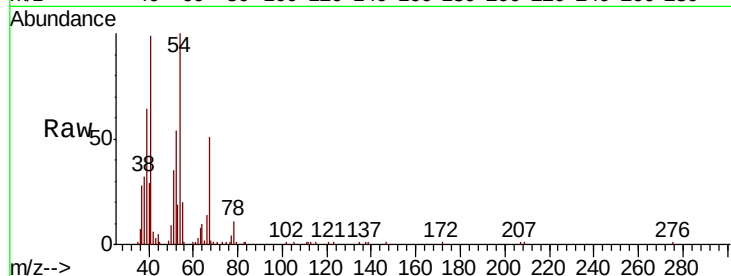
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.0	49.1	73.7	
67	50.9	48.2	72.4	
52	54.3	35.8	53.8	

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#42

1,2-Dichloroethane

Concen: 53.500 ug/l

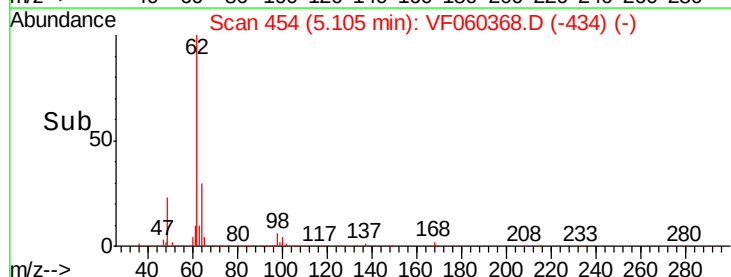
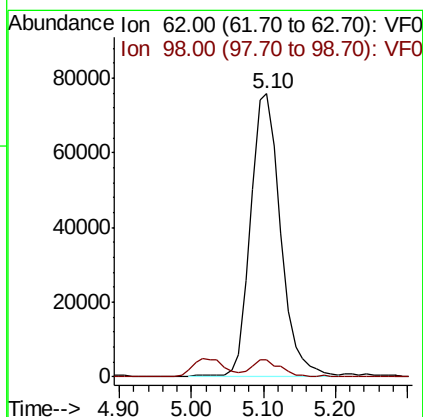
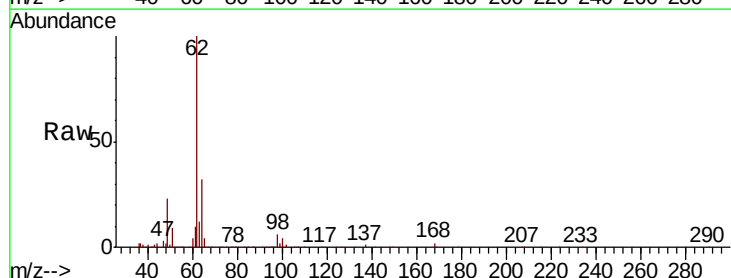
RT: 5.10 min Scan# 454

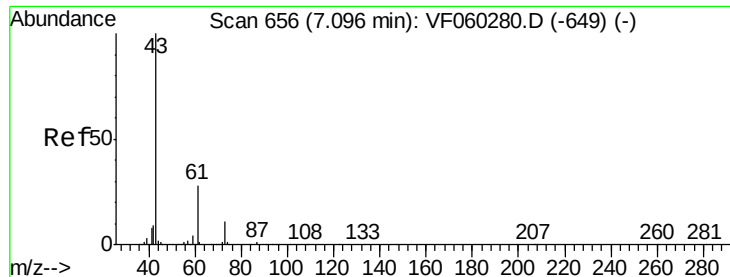
Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.1	0.0	14.4	





#43

Isopropyl Acetate

Concen: 43.743 ug/l

RT: 7.10 min Scan# 656

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

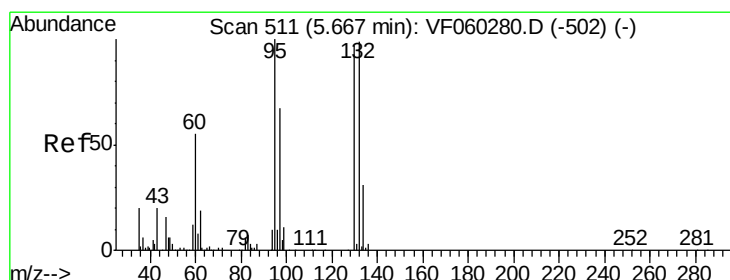
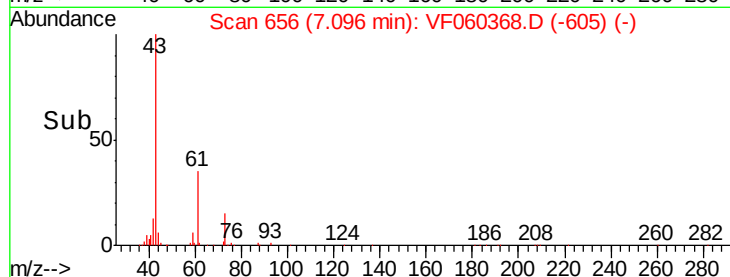
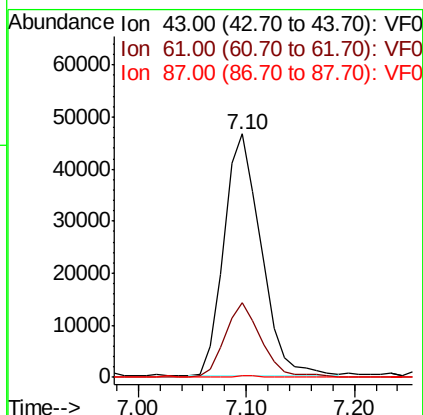
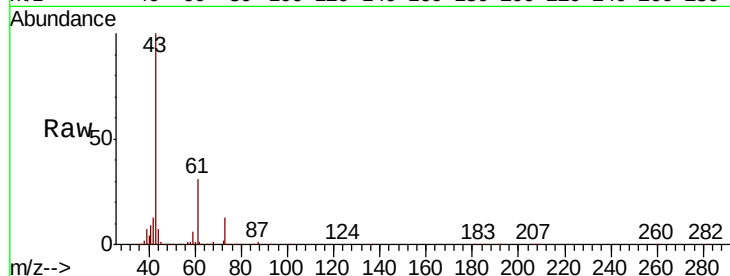
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	110871
Ion	Ratio	Lower	Upper
43	100		
61	30.9	22.4	33.6
87	0.7	0.6	0.8

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#44

Trichloroethene

Concen: 47.540 ug/l

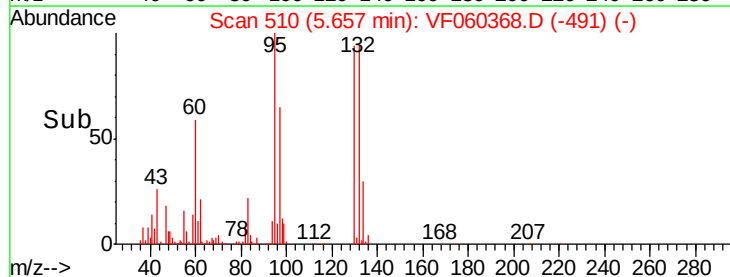
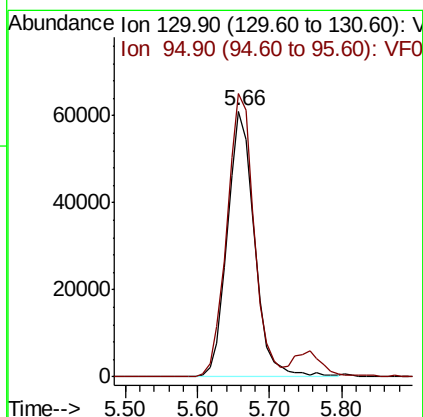
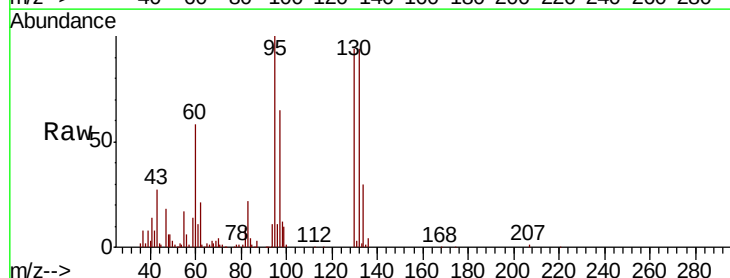
RT: 5.66 min Scan# 510

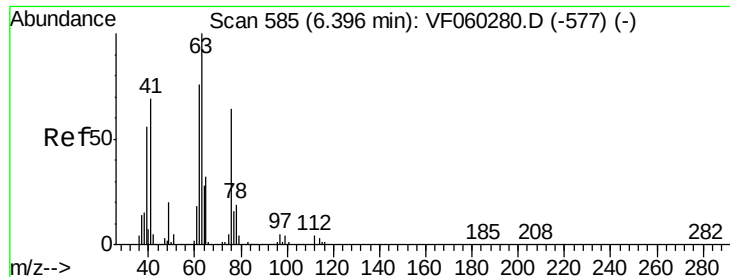
Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	130	Resp:	159625
Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	205.6





#45

1,2-Dichloropropane

Concen: 46.587 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 136032

Ion Ratio Lower Upper

63 100

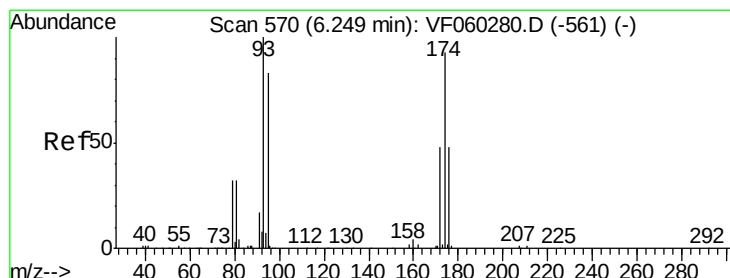
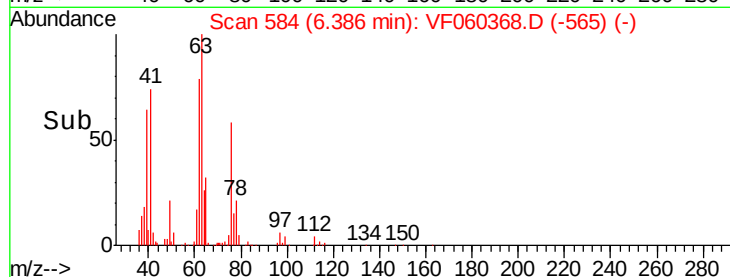
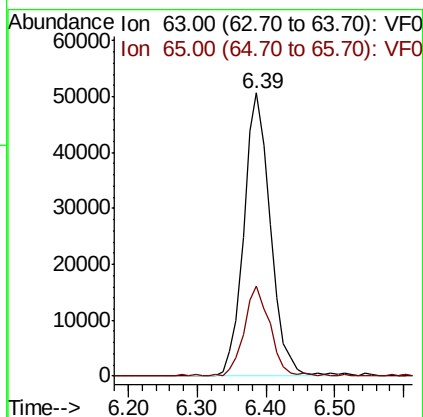
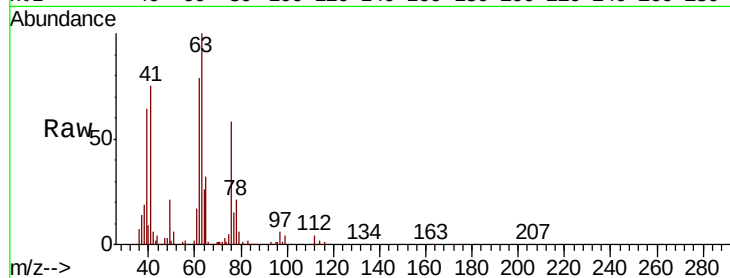
65 32.0 26.2 39.4

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#46

Dibromomethane

Concen: 47.588 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

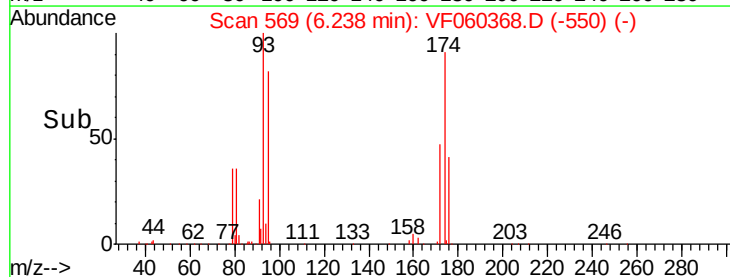
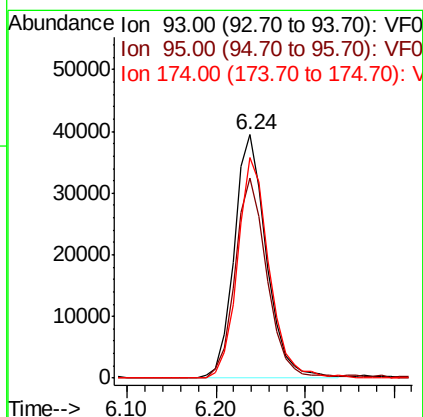
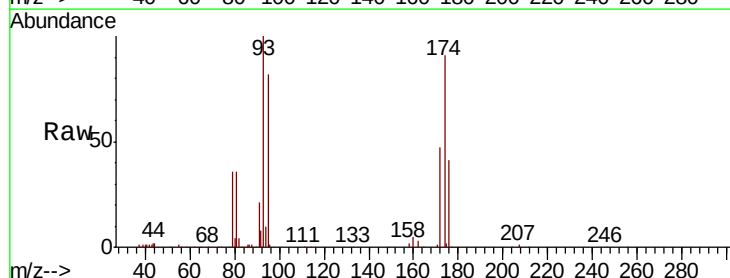
Tgt Ion: 93 Resp: 99325

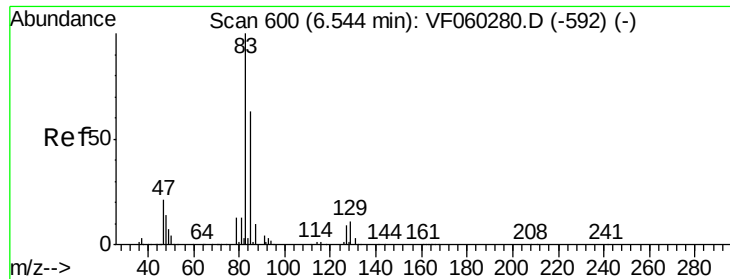
Ion Ratio Lower Upper

93 100

95 82.2 67.0 100.6

174 92.6 74.8 112.2





#47

Bromodichloromethane

Concen: 51.854 ug/l

RT: 6.53 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

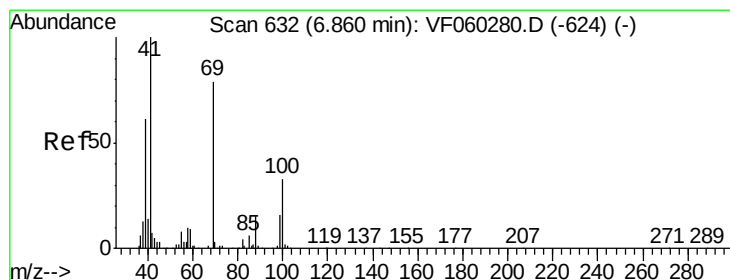
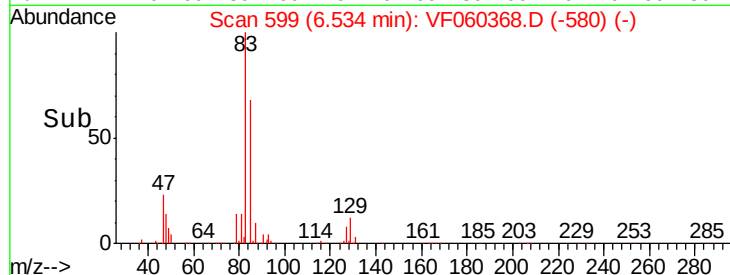
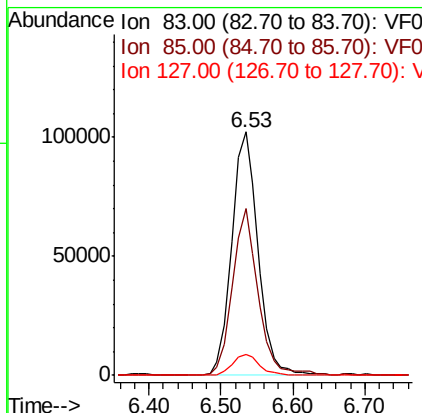
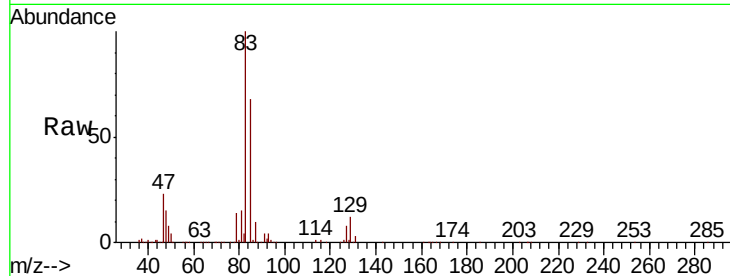
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	260091
Ion Ratio	Lower	Upper	
83	100		
85	68.3	50.6	76.0
127	8.4	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 43.685 ug/l

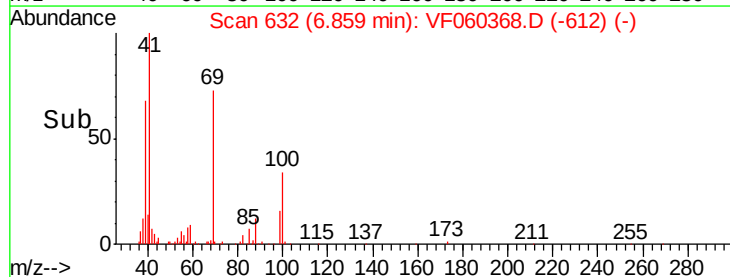
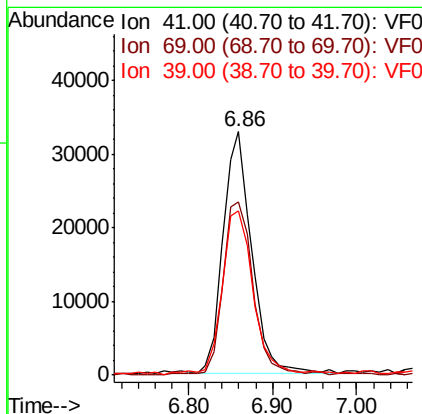
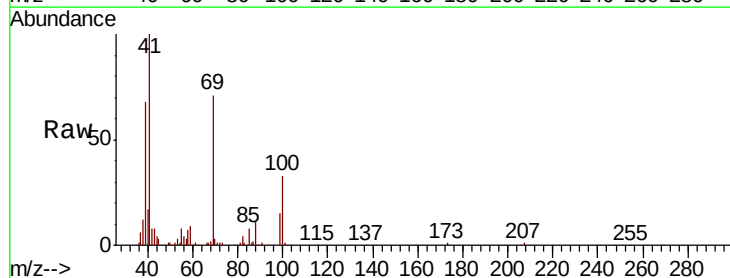
RT: 6.86 min Scan# 632

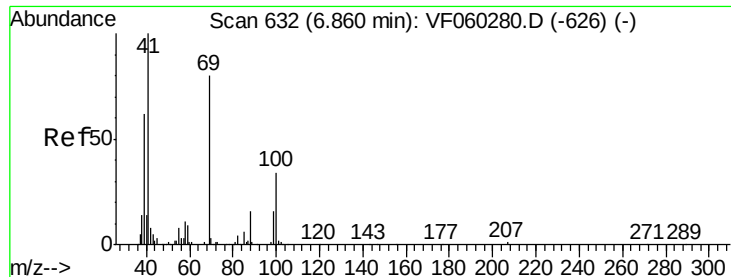
Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	41	Resp:	77725
Ion Ratio	Lower	Upper	
41	100		
69	71.2	62.6	94.0
39	67.6	49.1	73.7





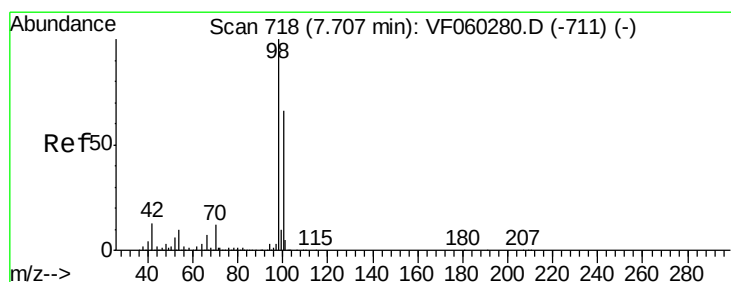
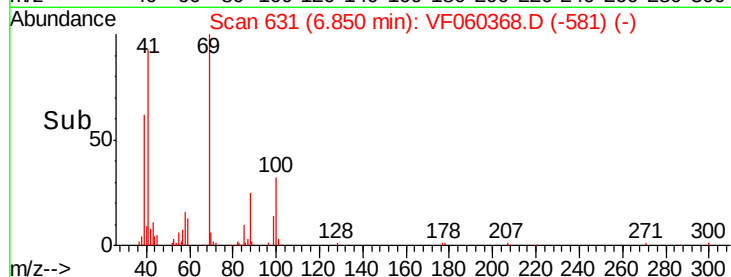
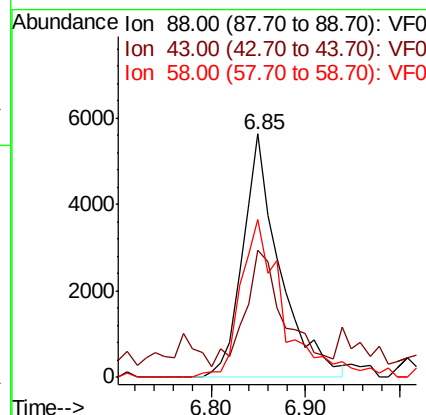
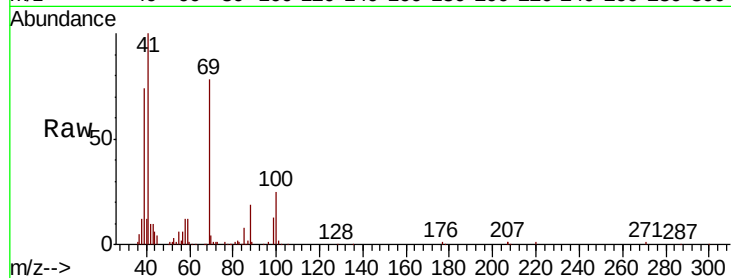
#49
1,4-Dioxane
Concen: 957.708 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	15223		
43	52.0		40.2	60.4
58	64.6		56.7	85.1

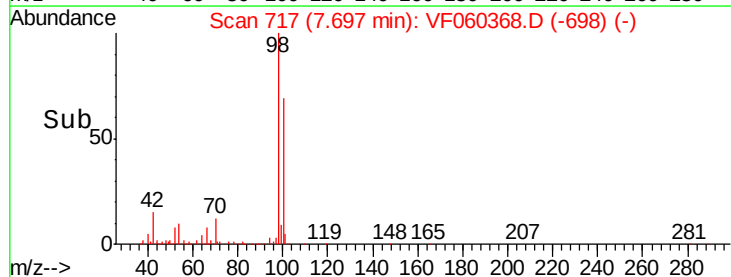
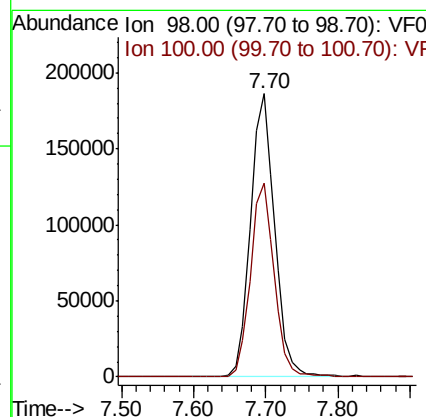
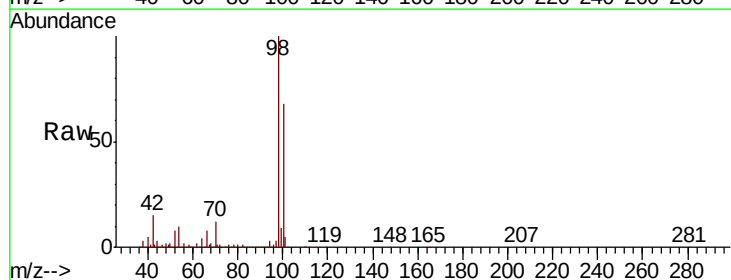
Manual Integrations
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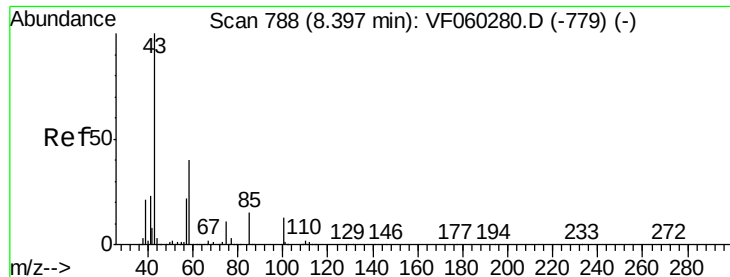
apatel
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#50
Toluene-d8
Concen: 47.088 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	436048		
100	68.5		53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 291.196 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 568851

Ion Ratio Lower Upper

43 100

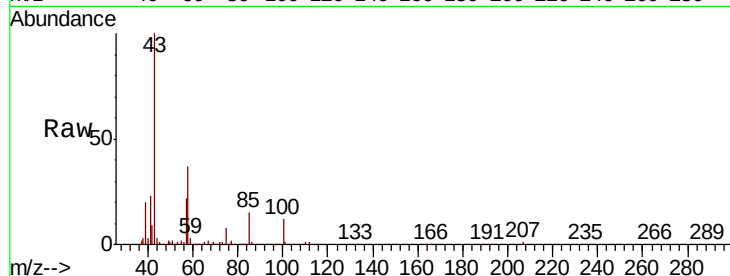
58 37.0 31.8 47.8

Manual Integrations

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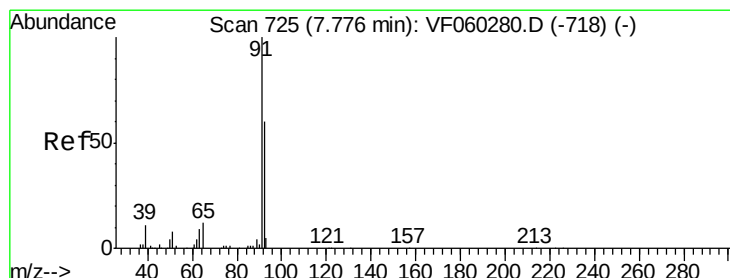
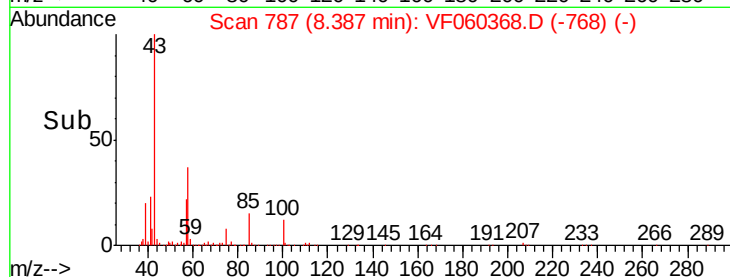
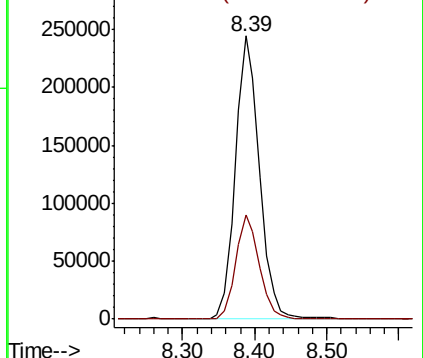
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 47.044 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060368.D

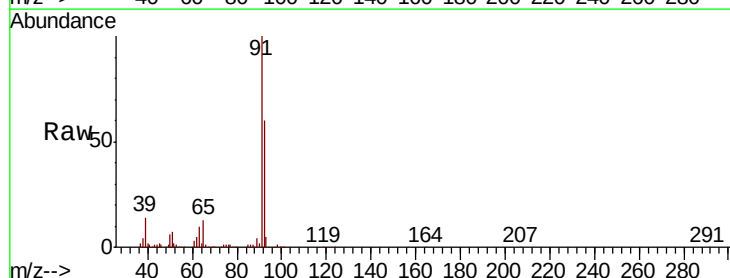
Acq: 28 Sep 2018 14:53

Tgt Ion: 92 Resp: 335782

Ion Ratio Lower Upper

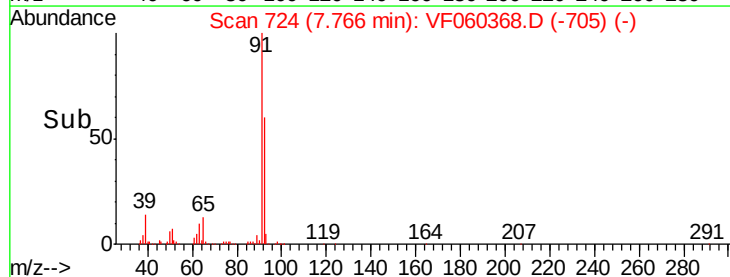
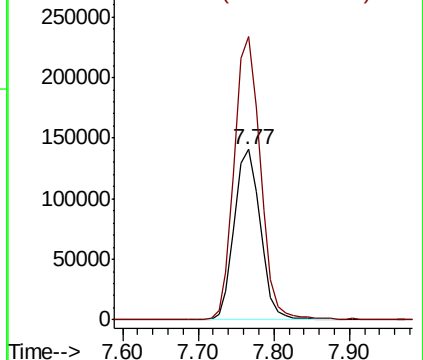
92 100

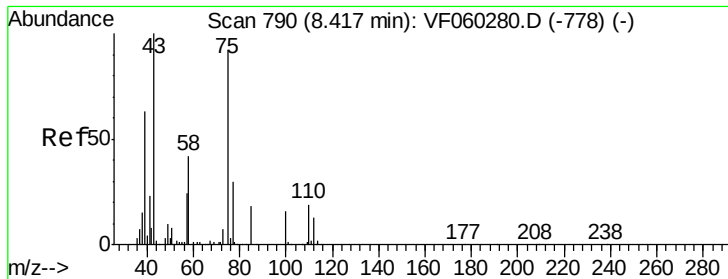
91 166.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 51.360 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 207794

Ion Ratio Lower Upper

75 100

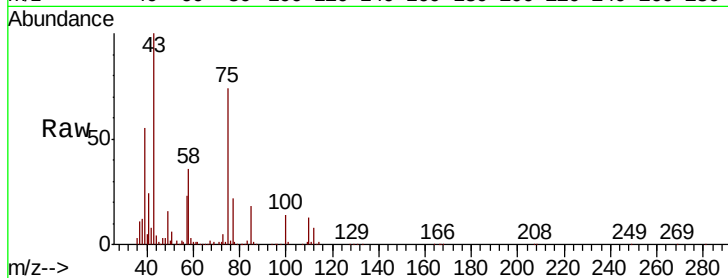
77 29.7 25.9 38.9

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

100000

80000

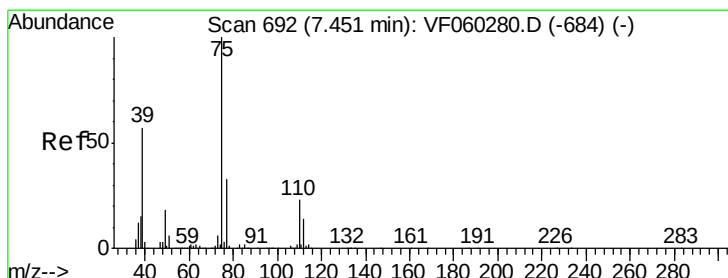
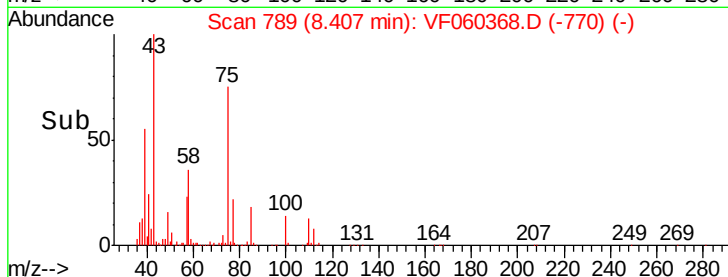
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.448 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

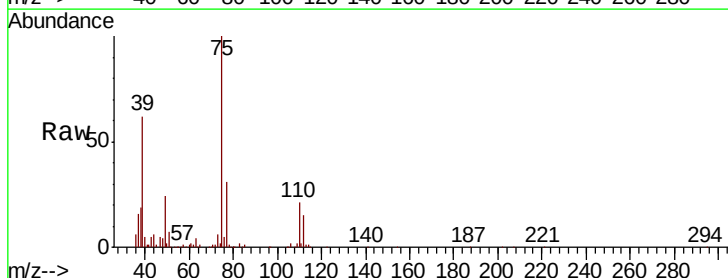
Tgt Ion: 75 Resp: 241837

Ion Ratio Lower Upper

75 100

77 31.3 26.3 39.5

39 62.1 46.1 69.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

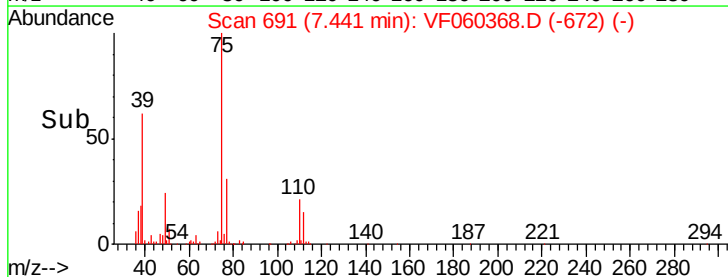
7.44

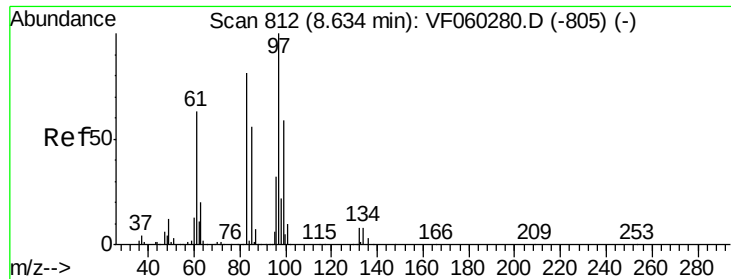
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.535 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

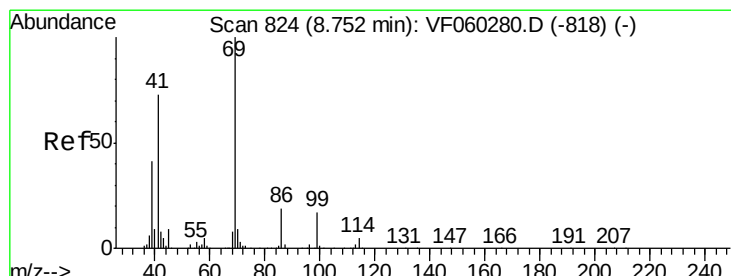
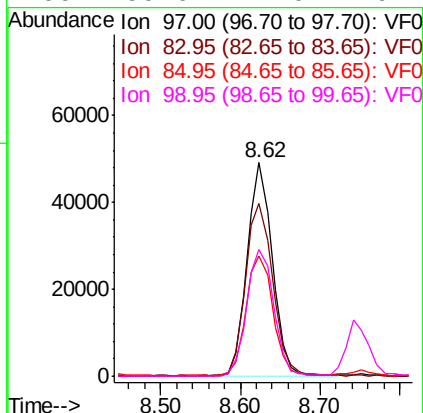
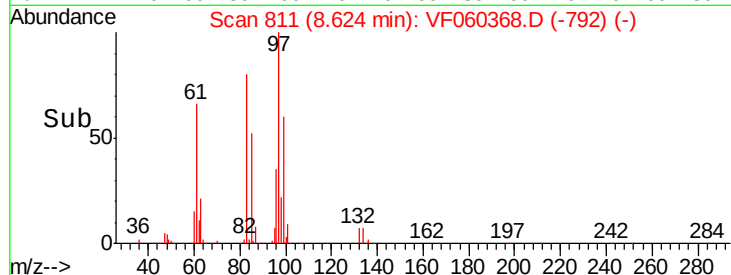
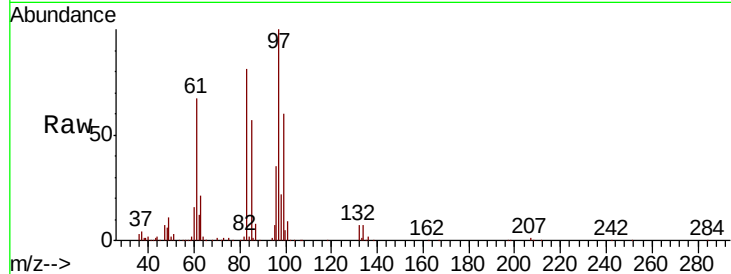
ClientSampleId :

VSTDCCC050

Tot Ion	97	Resp	107307
Ion Ratio	Lower	Upper	
97	100		
83	80.8	65.3	97.9
85	56.5	44.7	67.1
99	59.6	47.0	70.4

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#56

Ethyl methacrylate

Concen: 50.311 ug/l

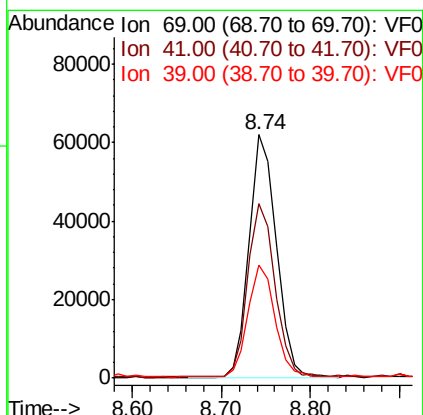
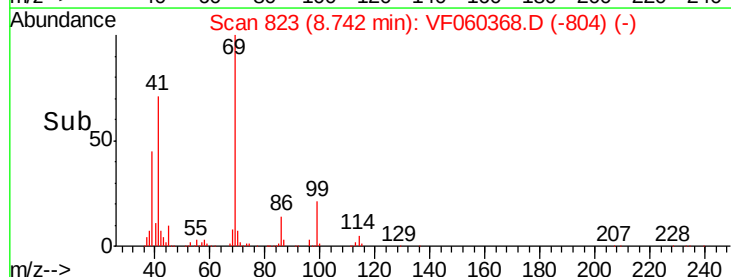
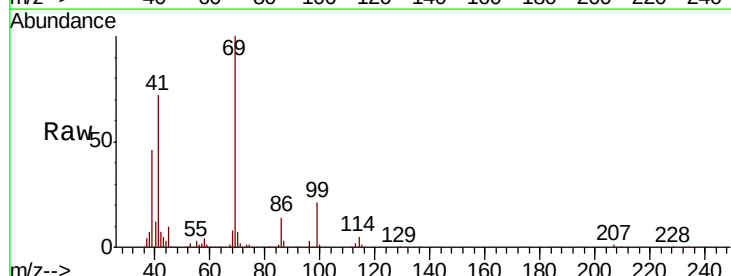
RT: 8.74 min Scan# 823

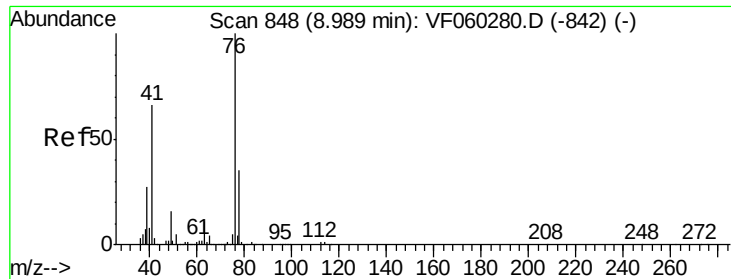
Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion	69	Resp	131629
Ion Ratio	Lower	Upper	
69	100		
41	71.7	59.4	89.2
39	46.4	33.5	50.3





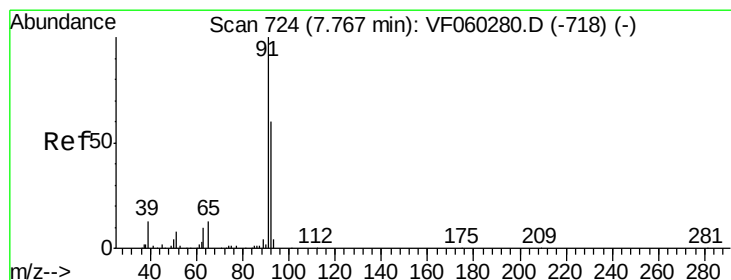
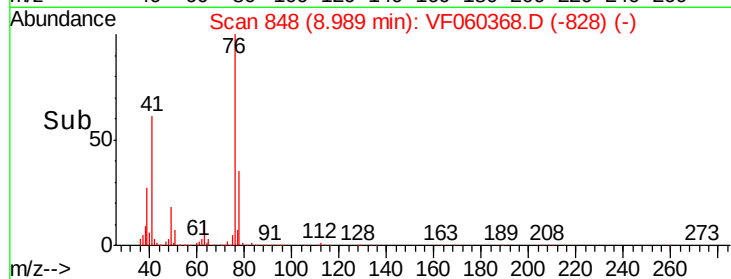
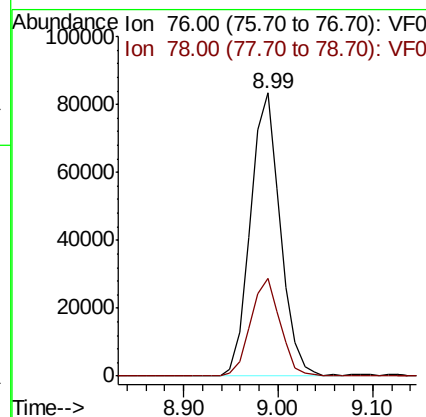
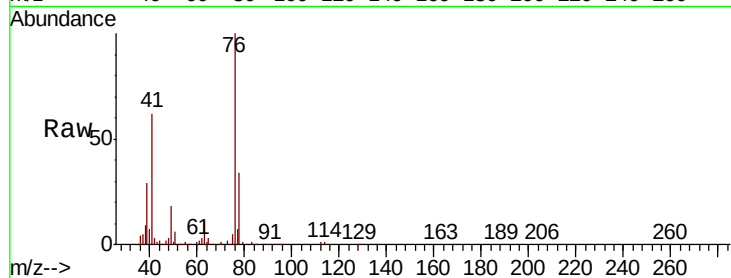
#57
 1,3-Dichloropropane
 Concen: 50.772 ug/l
 RT: 8.99 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VF060368.D
 Acq: 28 Sep 2018 14:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.4	28.2	42.2

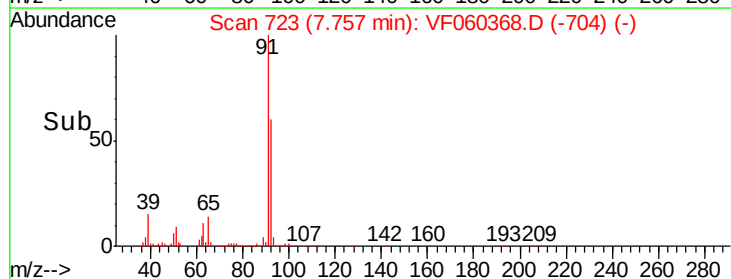
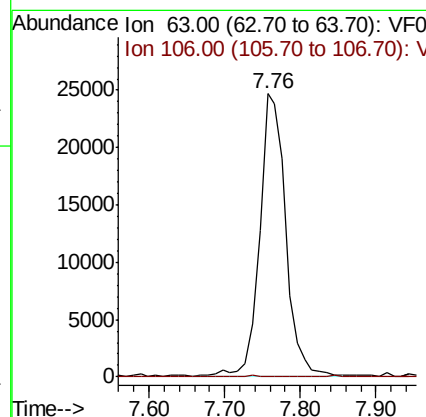
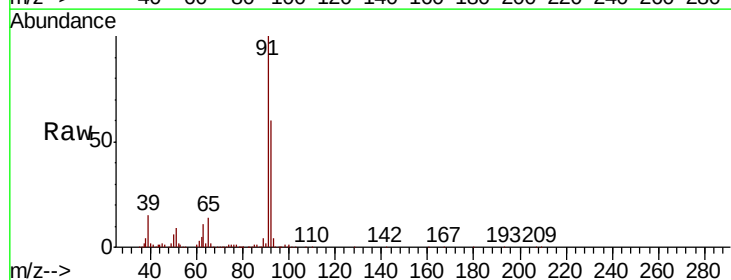
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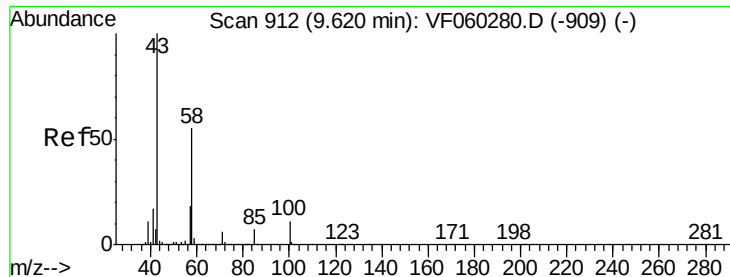
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 259.138 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VF060368.D
 Acq: 28 Sep 2018 14:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





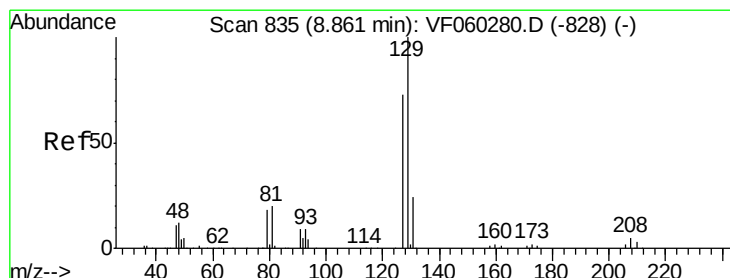
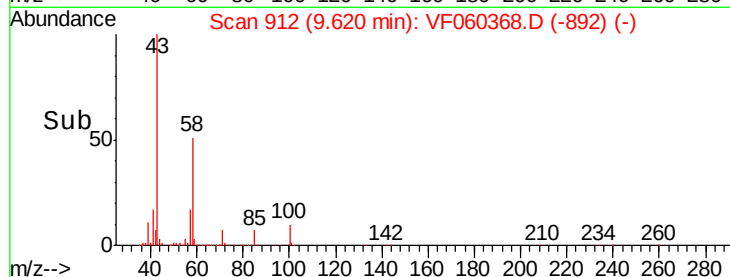
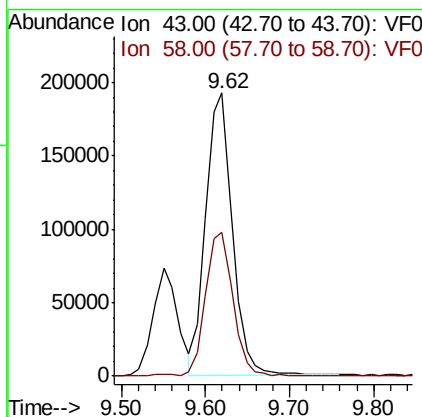
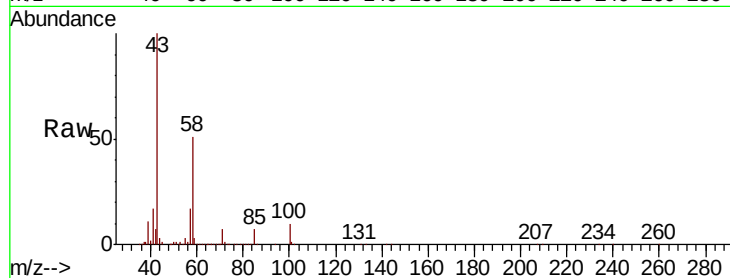
#59
2-Hexanone
Concen: 303.022 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.00 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 421474
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.6

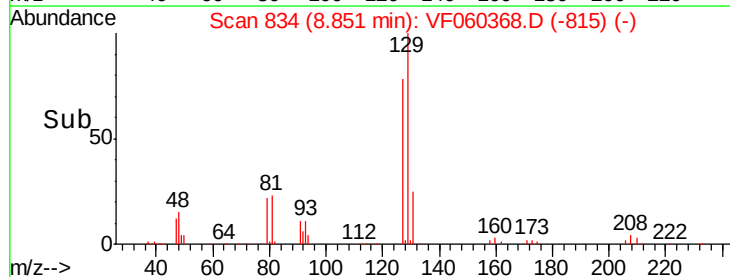
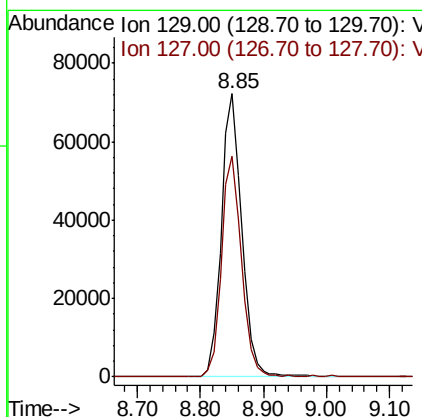
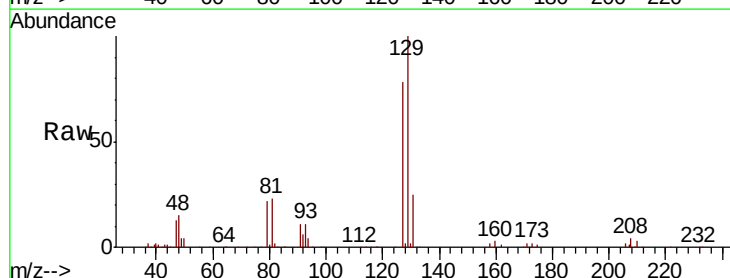
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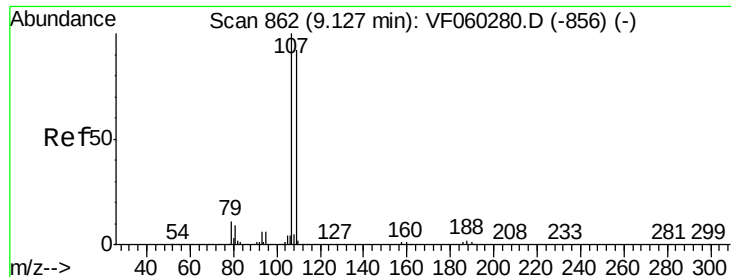
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10/1/2018 3:03:45 PM



#60
Dibromochloromethane
Concen: 50.691 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Tgt Ion: 129 Resp: 163670
Ion Ratio Lower Upper
129 100
127 78.0 36.6 109.8





#61

1,2-Dibromoethane

Concen: 49.317 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 118968

Ion Ratio Lower Upper

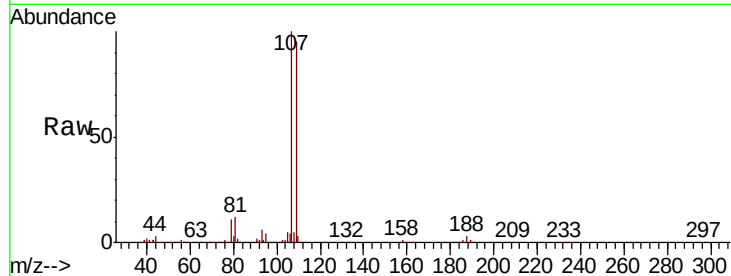
107 100

109 94.5 73.2 109.8

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

20000

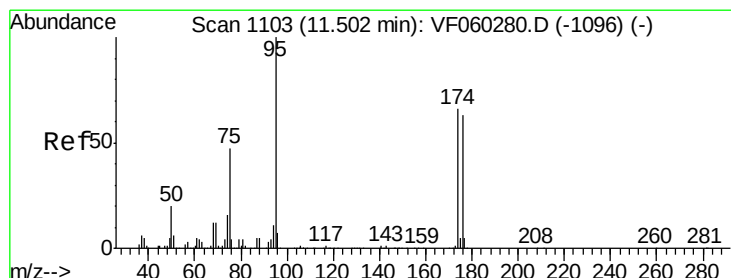
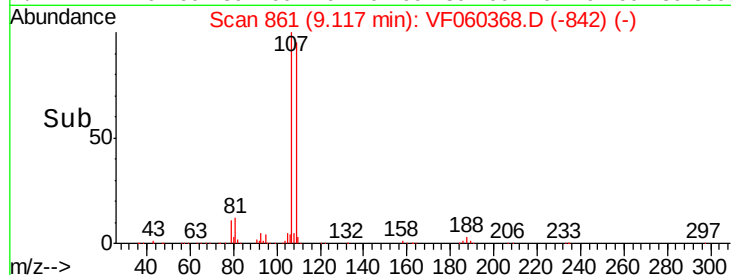
10000

0

9.12

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 48.536 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

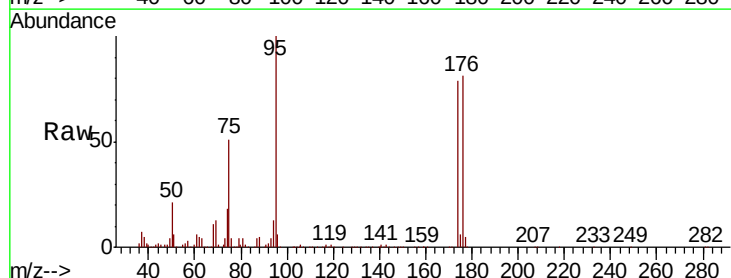
Tgt Ion: 95 Resp: 194289

Ion Ratio Lower Upper

95 100

174 79.0 0.0 131.2

176 81.4 0.0 126.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

100000

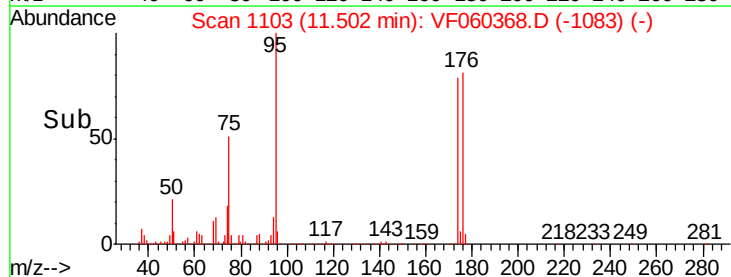
50000

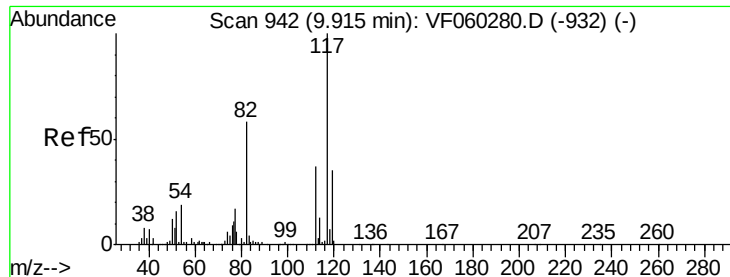
0

11.50

11.40 11.50 11.60

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

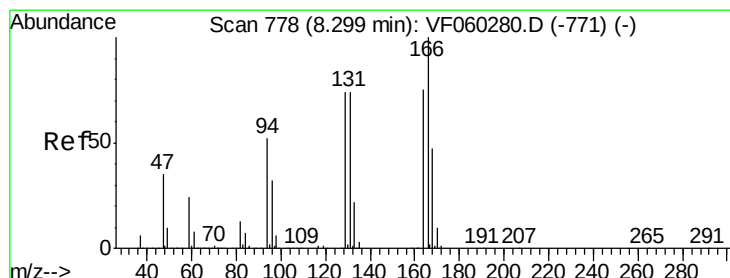
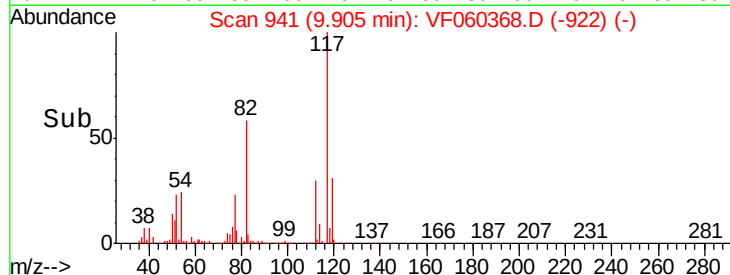
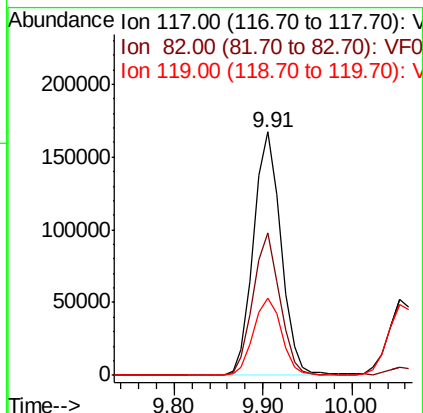
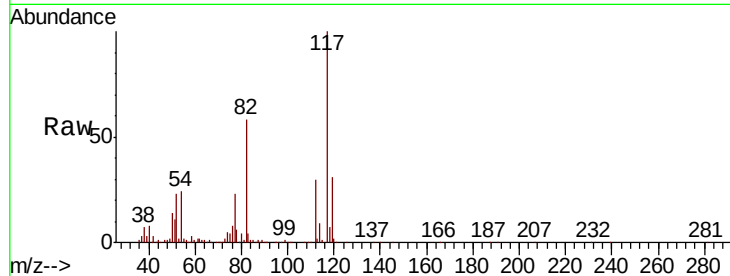
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	35521
Ion Ratio	Lower	Upper	
117	100		
82	58.5	46.2	69.2
119	31.5	27.8	41.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 43.960 ug/l

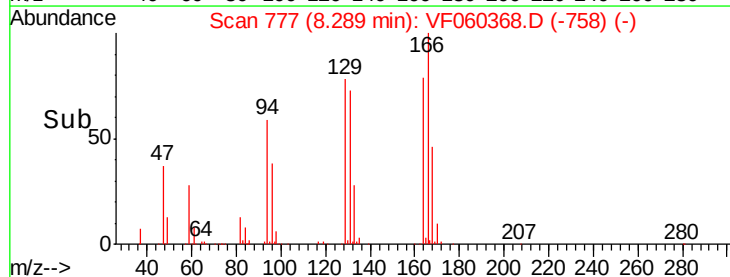
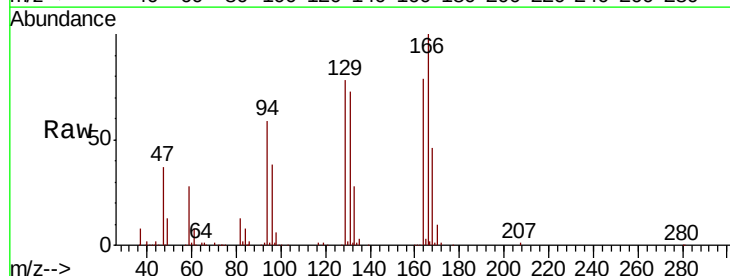
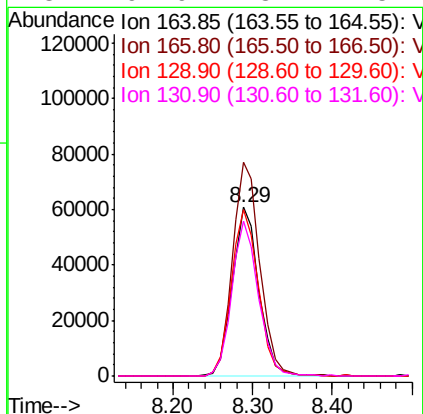
RT: 8.29 min Scan# 777

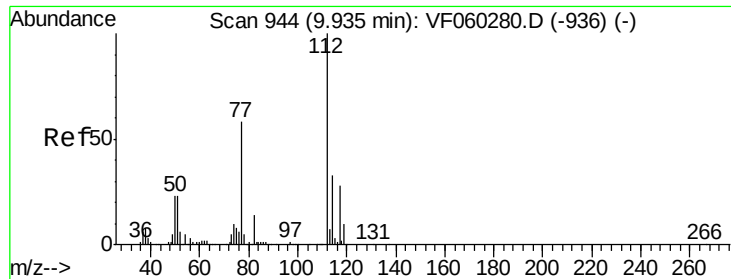
Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	164	Resp:	141677
Ion Ratio	Lower	Upper	
164	100		
166	126.5	106.8	160.2
129	98.8	78.8	118.2
131	91.9	78.7	118.1





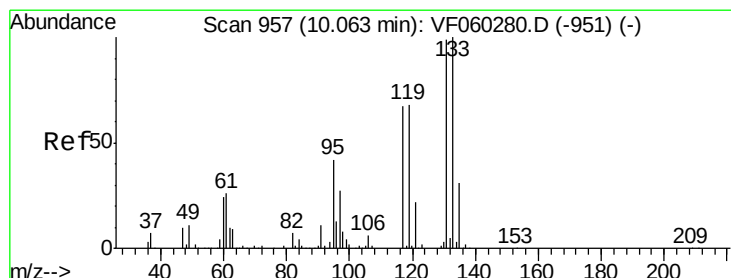
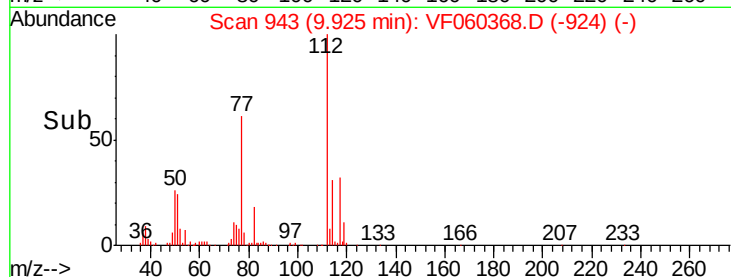
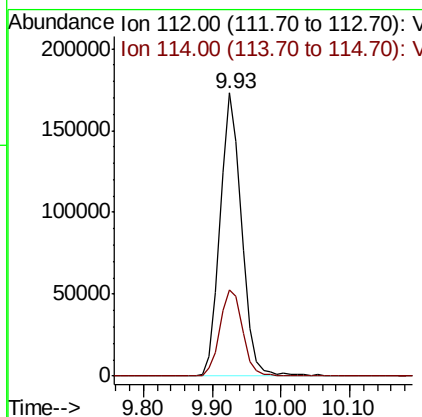
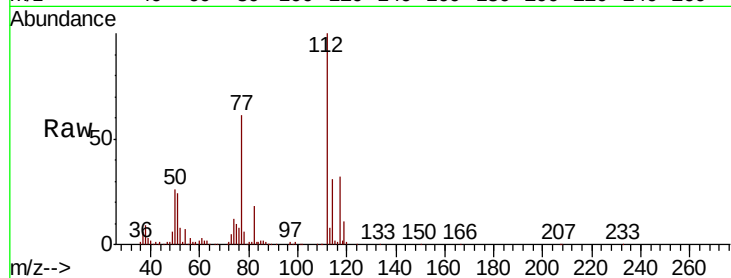
#65
Chlorobenzene
Concen: 46.711 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.5	26.6	40.0

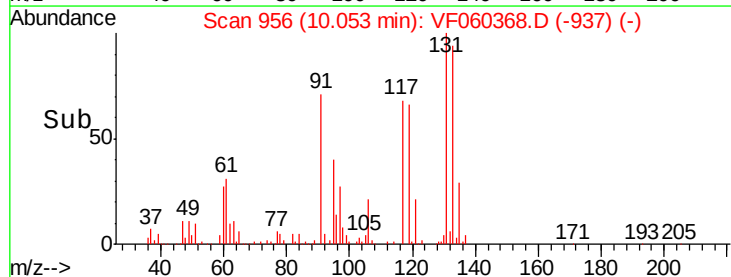
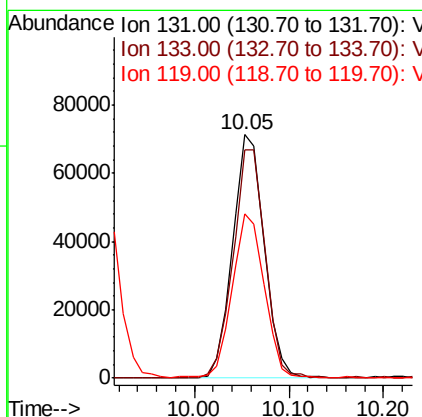
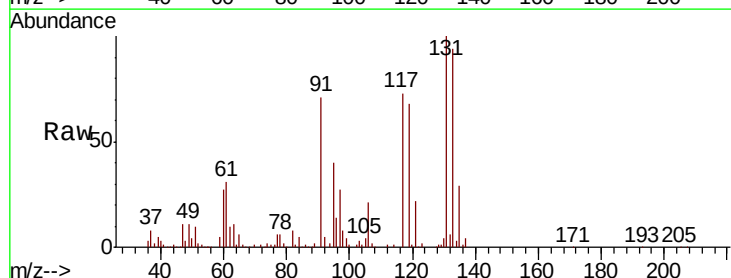
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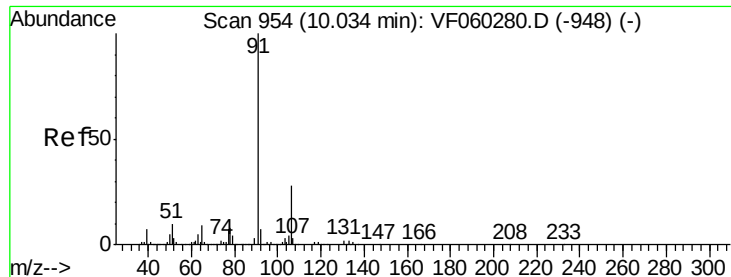
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.385 ug/l
RT: 10.05 min Scan# 956
Delta R.T. -0.01 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	50.4	151.2
119	67.7	34.8	104.3





#67

Ethyl Benzene

Concen: 46.962 ug/l

RT: 10.02 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 699652

Ion Ratio Lower Upper

91 100

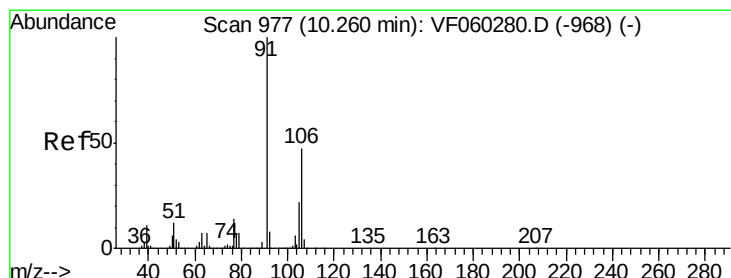
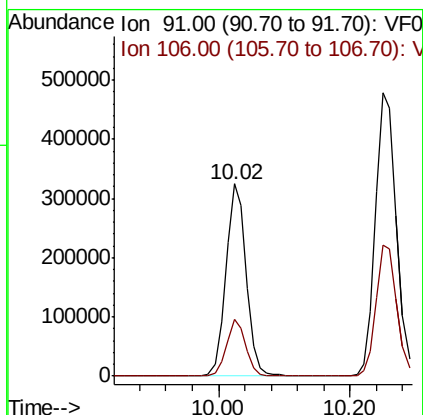
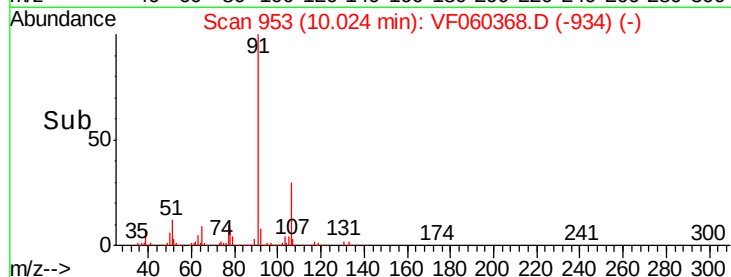
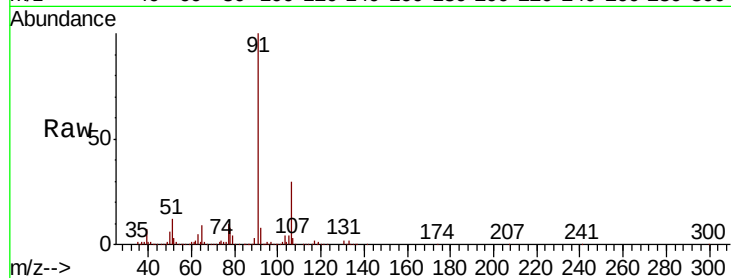
106 29.8 22.7 34.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 95.111 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060368.D

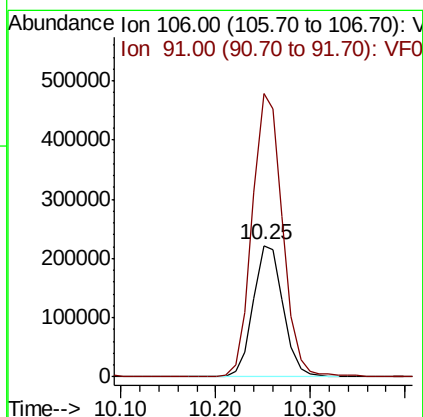
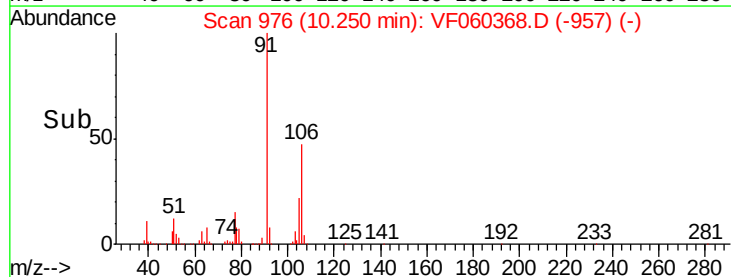
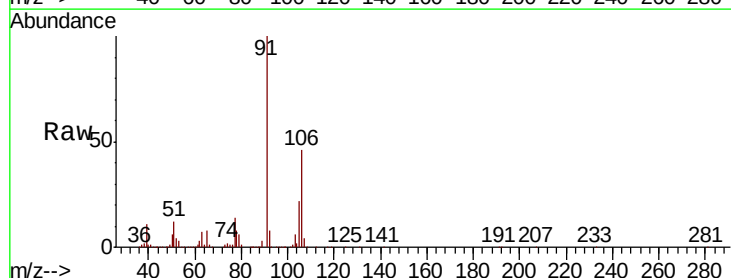
Acq: 28 Sep 2018 14:53

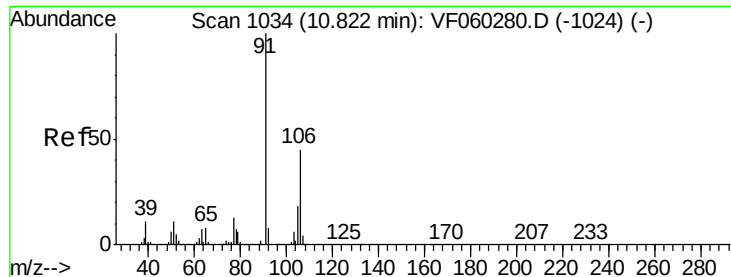
Tgt Ion: 106 Resp: 489554

Ion Ratio Lower Upper

106 100

91 215.6 172.3 258.5





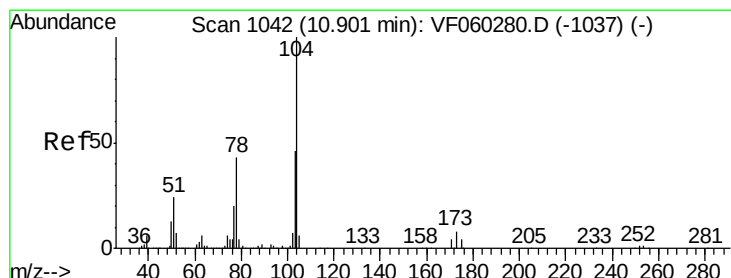
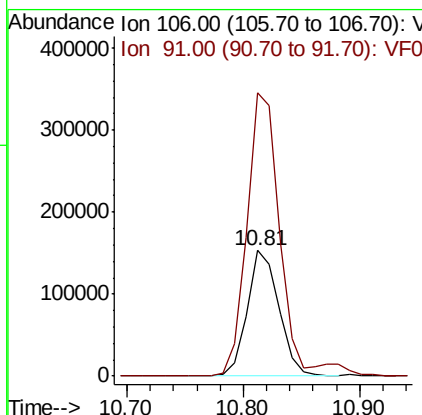
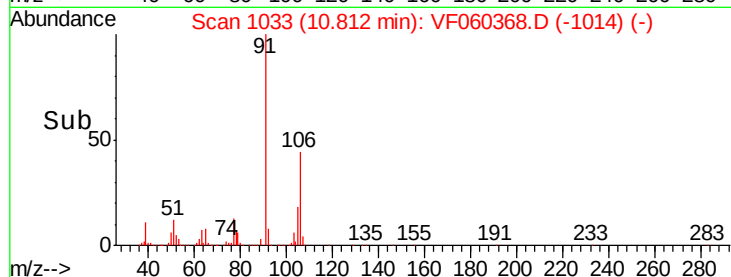
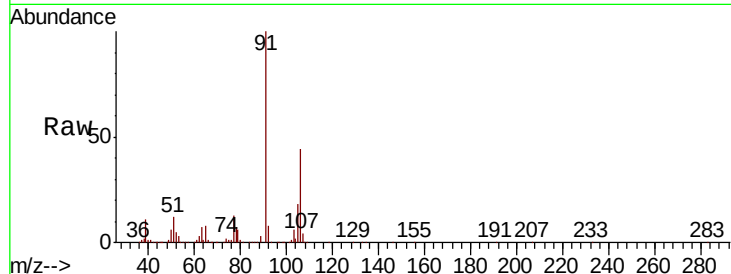
#69
o-Xylene
Concen: 49.716 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
287023	106			
106	100			
91	225.1	110.9	332.6	

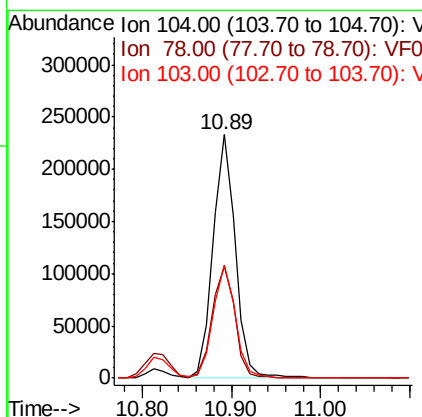
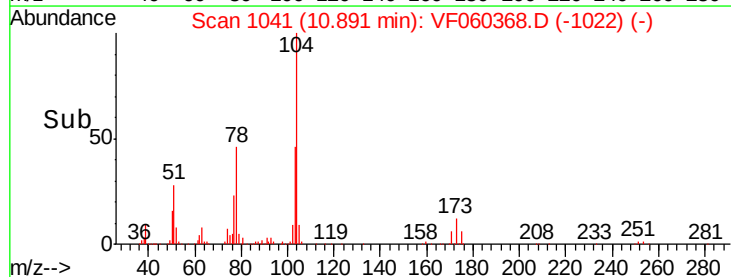
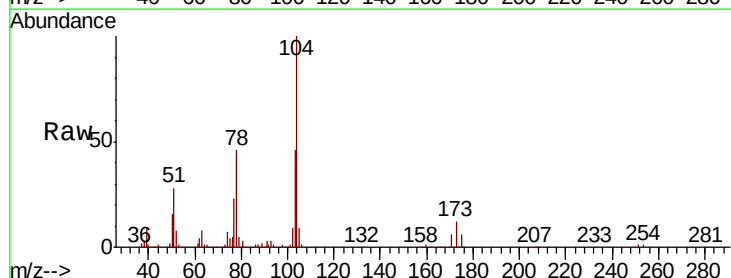
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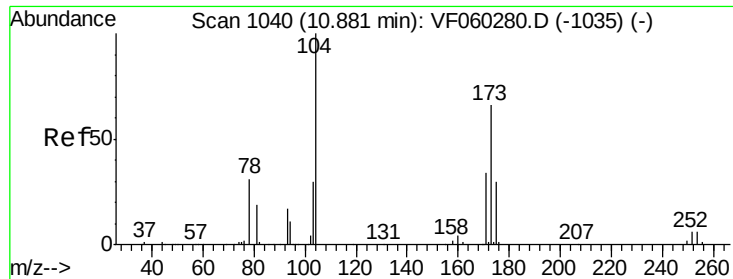
apatel
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#70
Styrene
Concen: 49.881 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Tgt Ion	Ion	Ratio	Lower	Upper
406124	104			
104	100			
78	46.2	35.0	52.6	
103	46.4	37.4	56.0	





#71

Bromoform

Concen: 50.105 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

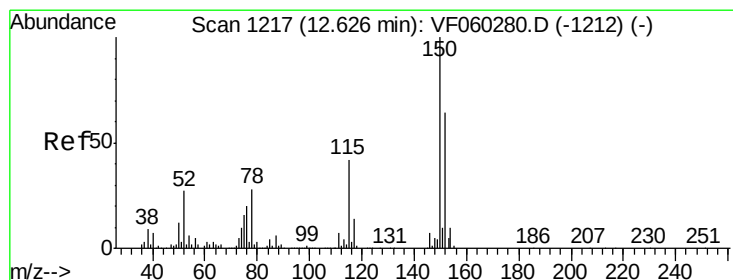
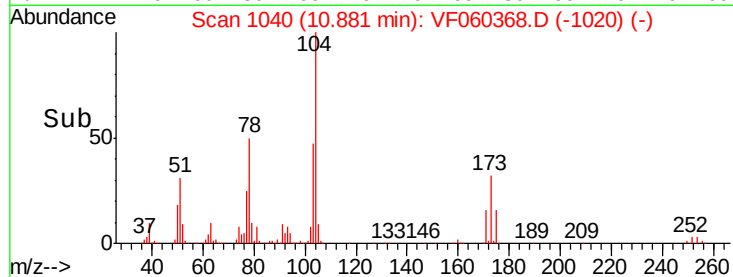
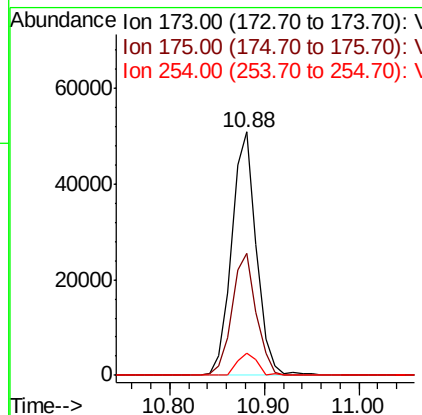
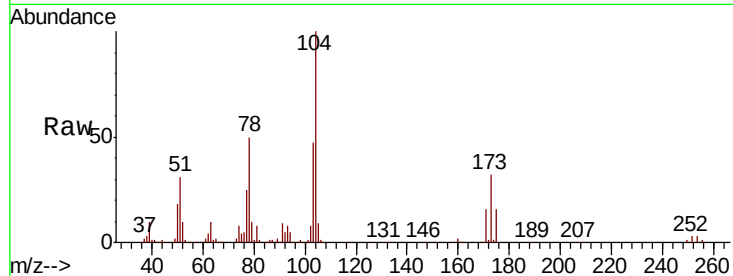
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	22.3	66.9
254	9.2	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

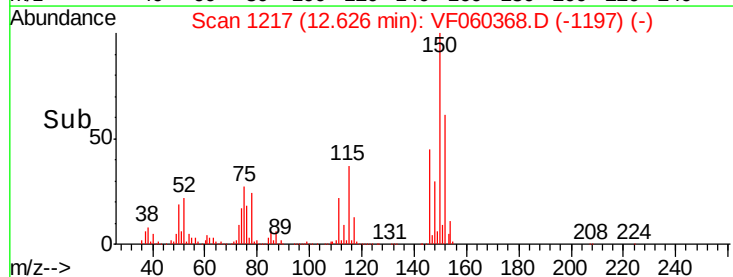
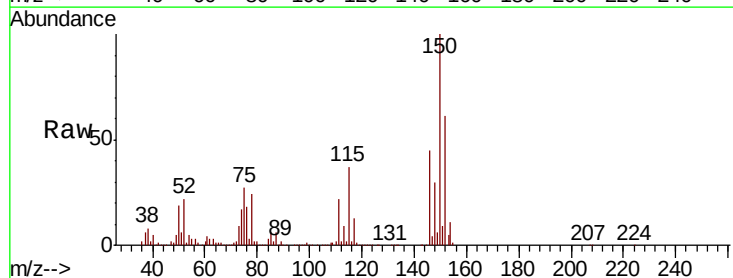
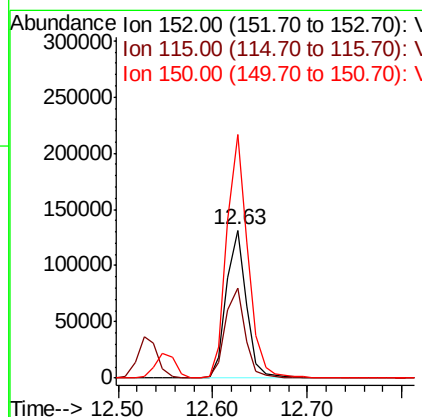
RT: 12.63 min Scan# 1217

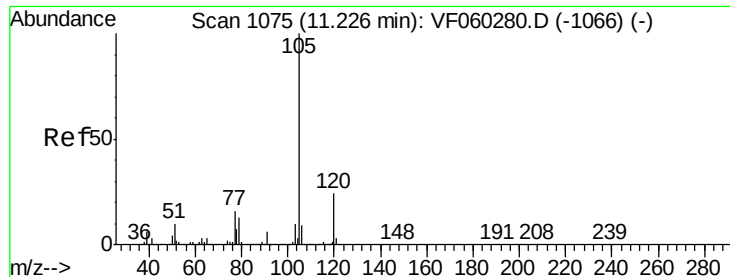
Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	32.6	97.8
150	164.6	0.0	314.2





#73

Isopropylbenzene

Concen: 49.002 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 850092

Ion Ratio Lower Upper

105 100

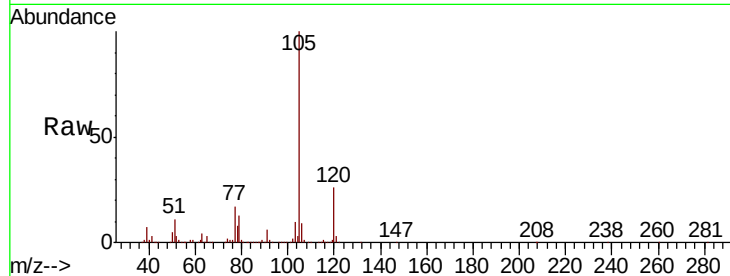
120 25.9 12.2 36.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

500000

400000

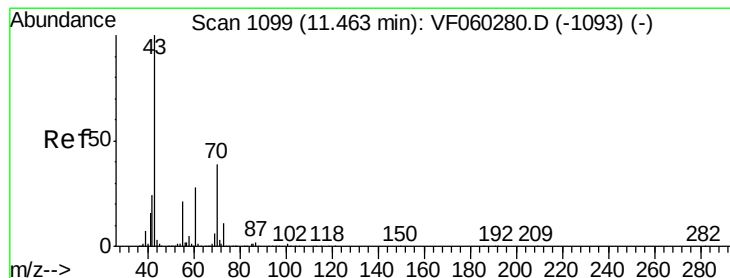
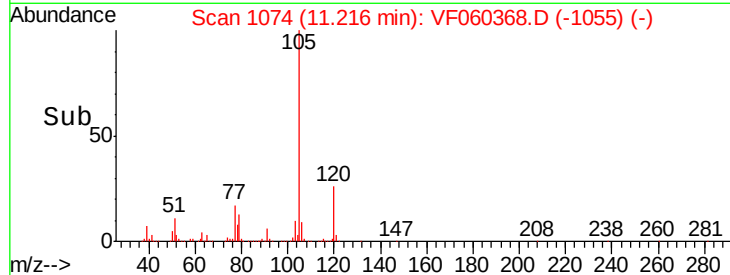
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 51.825 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion: 43 Resp: 191718

Ion Ratio Lower Upper

43 100

70 33.4 31.4 47.2

55 19.9 16.8 25.2

61 28.9 22.6 34.0

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

200000

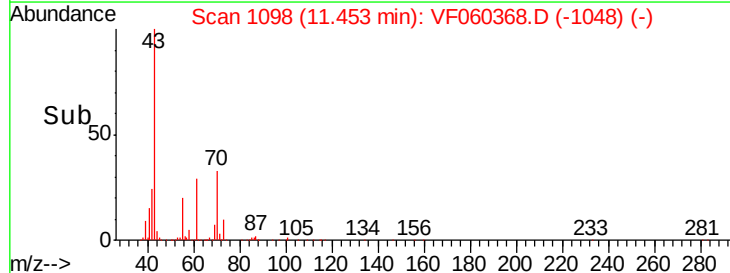
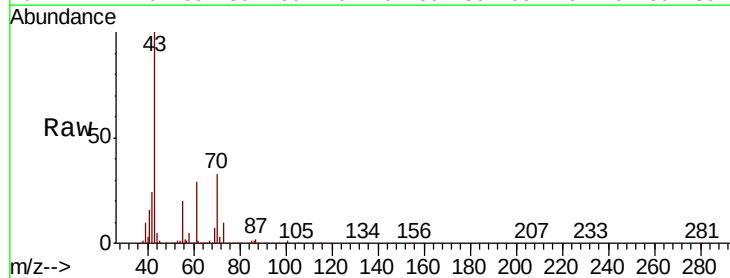
150000

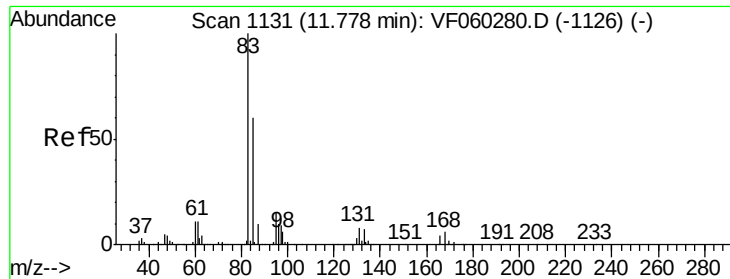
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.210 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

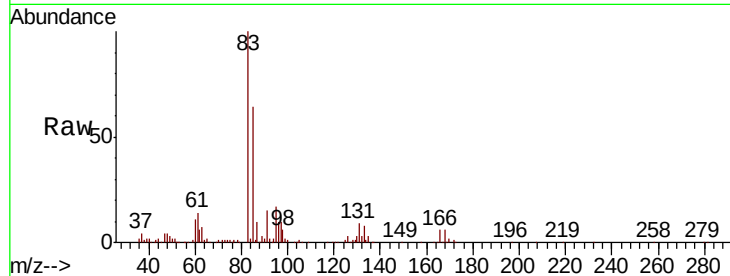
ClientSampleId :

VSTDCCC050

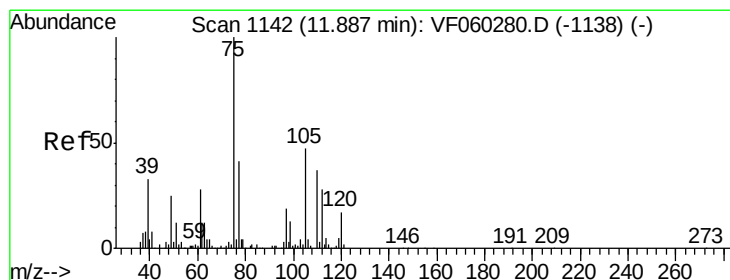
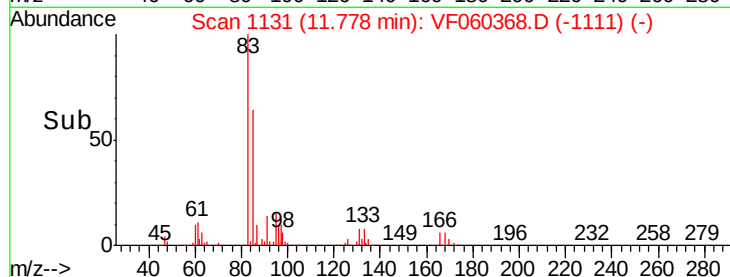
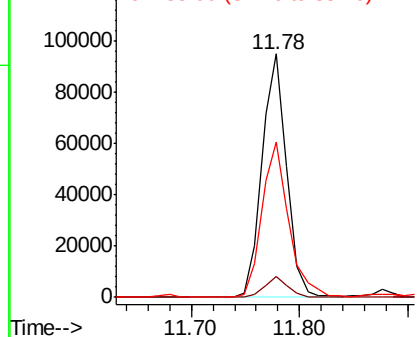
Tot Ion:	83	Resp:	151292
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.2	12.4
85	63.9	30.1	90.5

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 47.946 ug/l

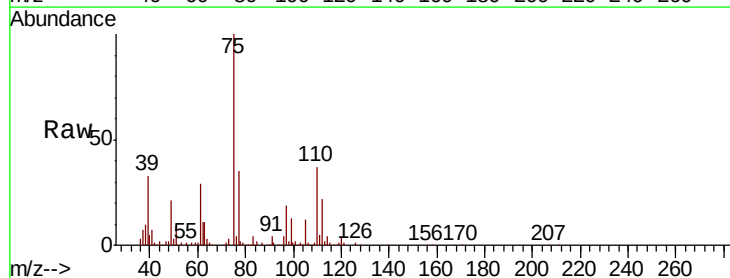
RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

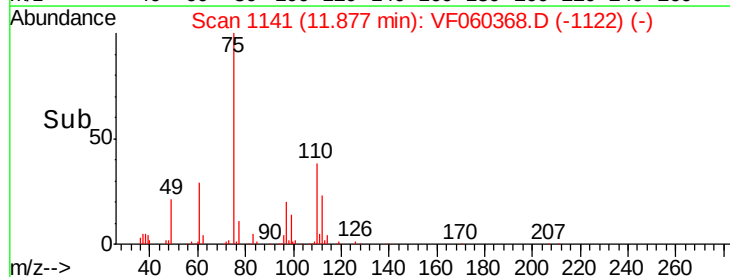
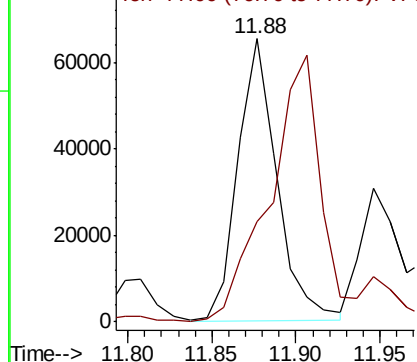
Lab File: VF060368.D

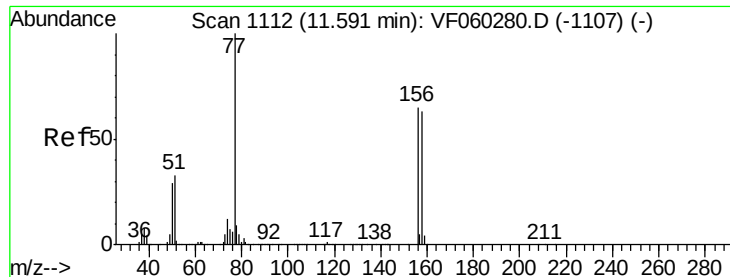
Acq: 28 Sep 2018 14:53

Tgt Ion:	75	Resp:	105546
Ion Ratio	Lower	Upper	
75	100		
77	35.5	20.5	61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.267 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

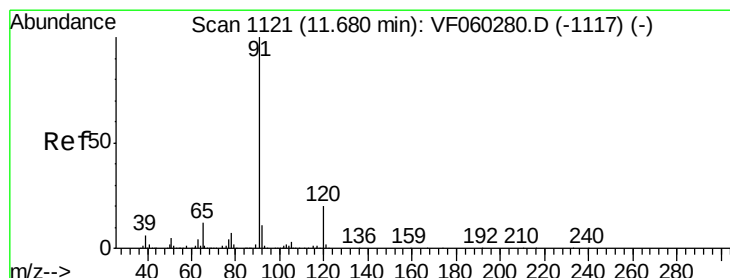
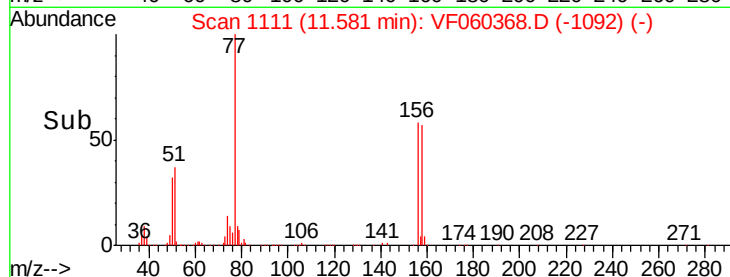
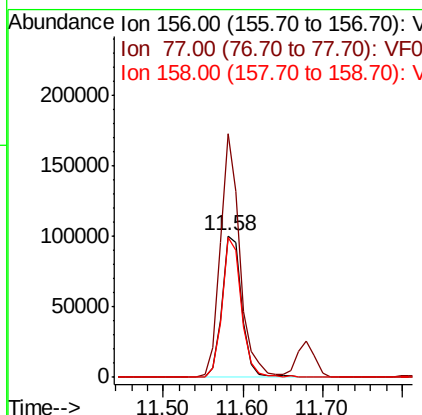
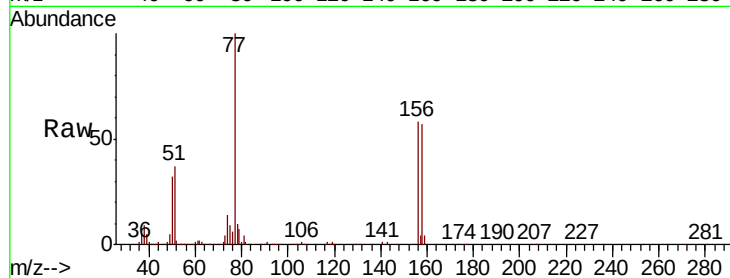
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	171.8	77.3	232.1	
158	98.5	48.4	145.2	

Manual Integrations
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#78

n-propylbenzene

Concen: 59.466 ug/l

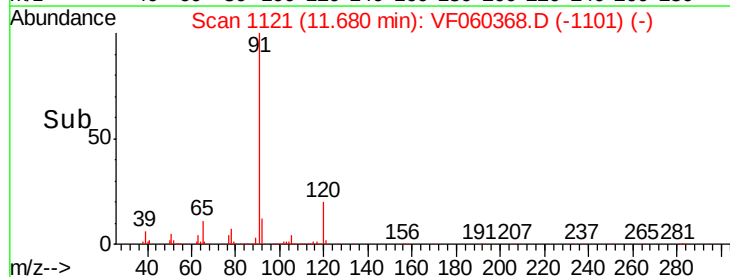
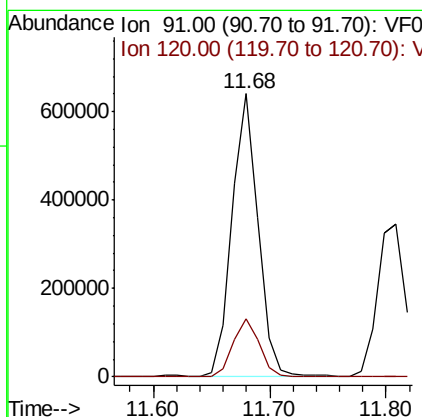
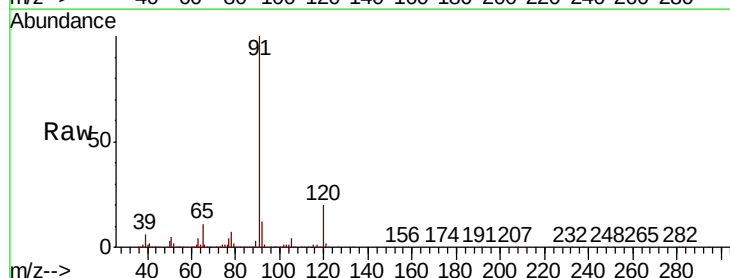
RT: 11.68 min Scan# 1121

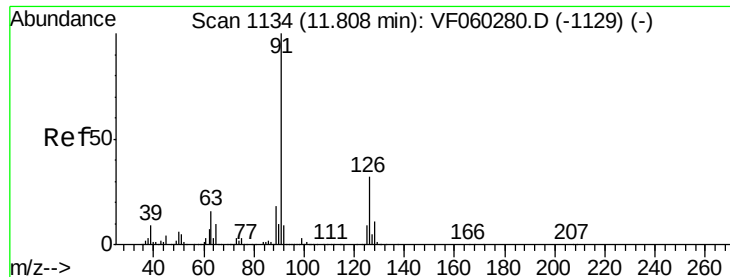
Delta R.T. 0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.3	10.0	29.8	





#79

2-Chlorotoluene

Concen: 49.094 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 574506

Ion Ratio Lower Upper

91 100

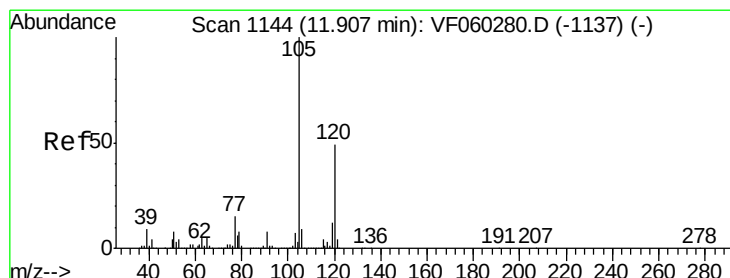
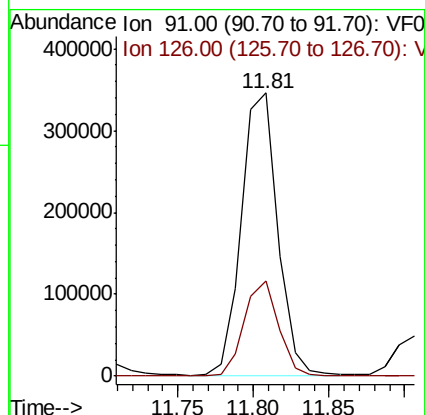
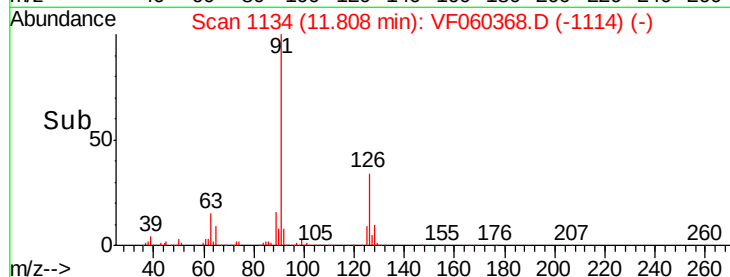
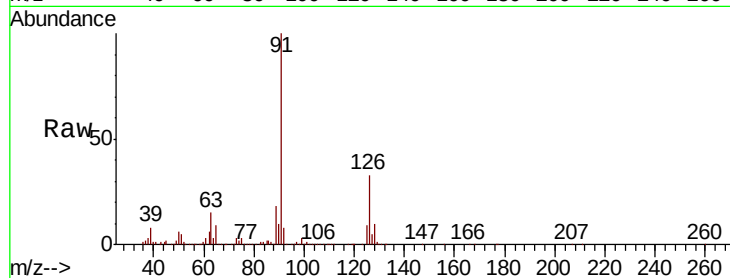
126 33.5 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 48.008 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060368.D

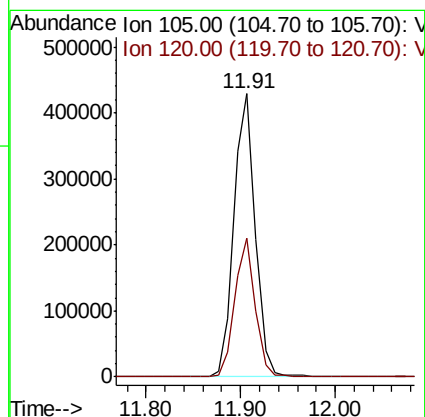
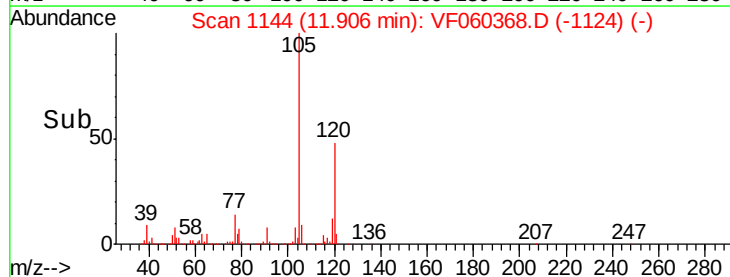
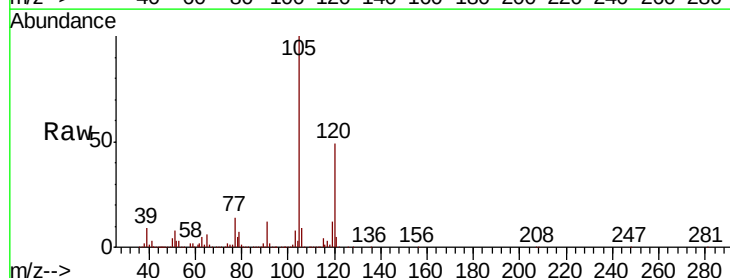
Acq: 28 Sep 2018 14:53

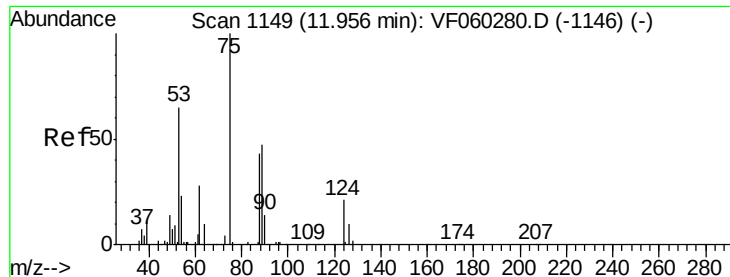
Tgt Ion: 105 Resp: 670407

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 40.690 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

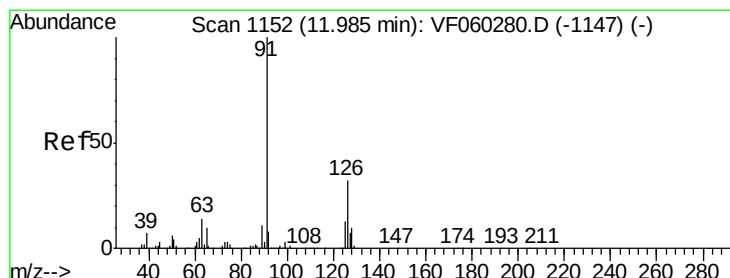
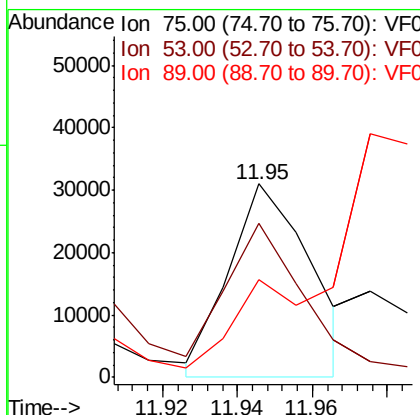
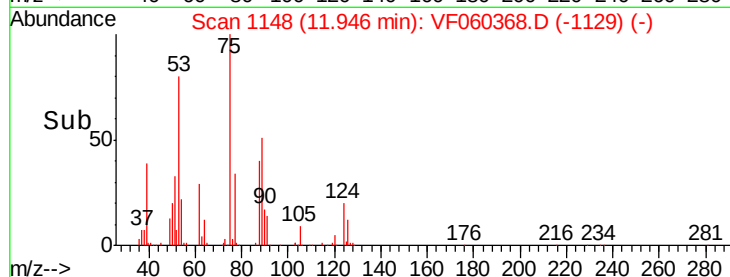
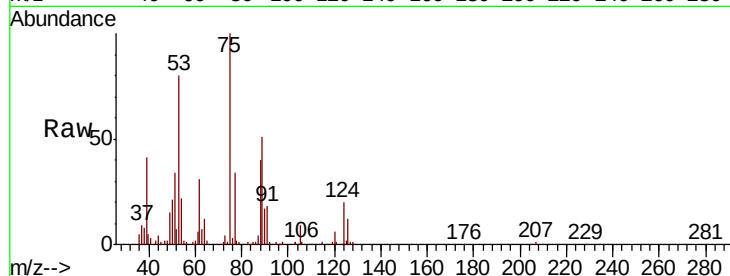
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	47337
Ion	Ratio	Lower	Upper
75	100		
53	79.5	56.5	84.7
89	50.6	40.6	60.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.537 ug/l

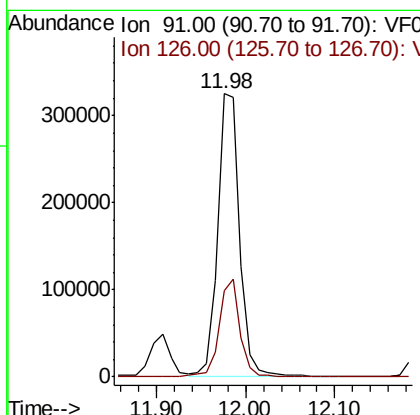
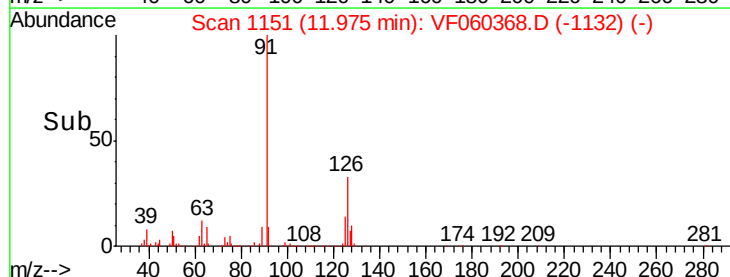
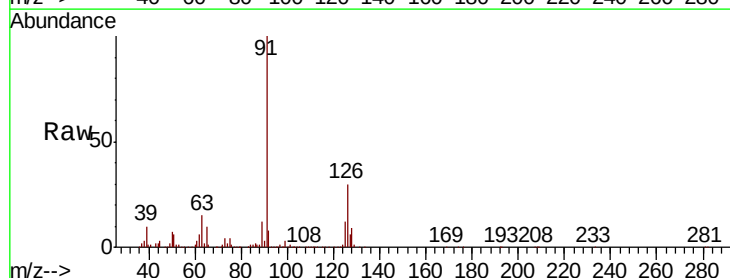
RT: 11.98 min Scan# 1151

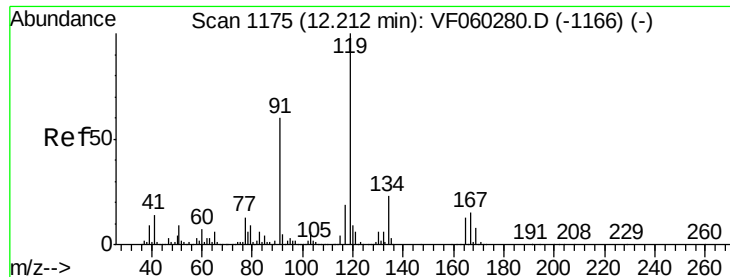
Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	91	Resp:	559119
Ion	Ratio	Lower	Upper
91	100		
126	30.5	16.1	48.2





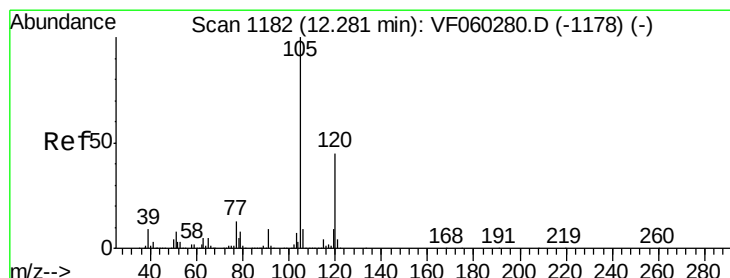
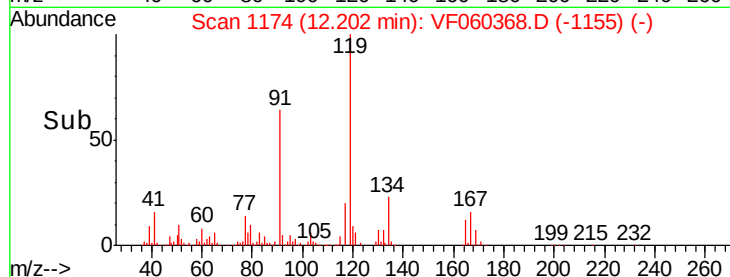
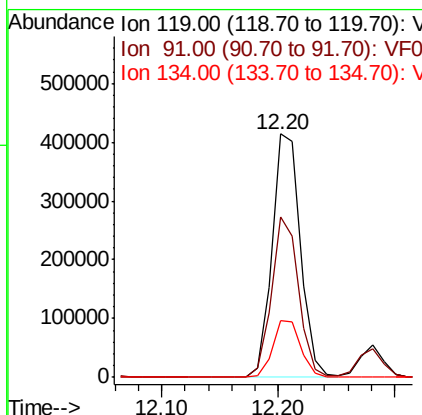
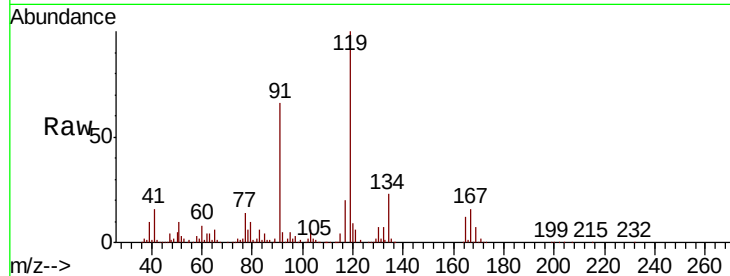
#83
 tert-Butylbenzene
 Concen: 49.296 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060368.D
 Acq: 28 Sep 2018 14:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	697834		
91	66.1	30.3	91.0	
134	23.5	11.6	34.8	

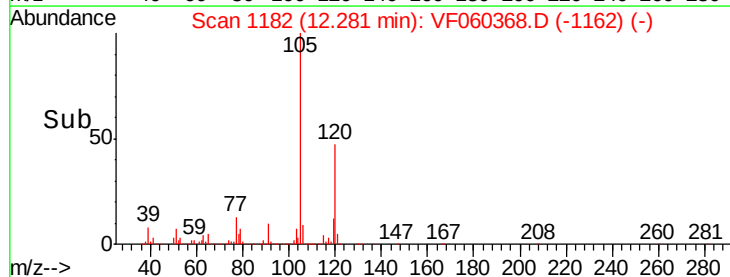
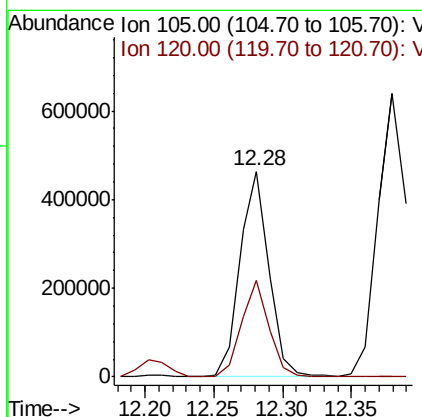
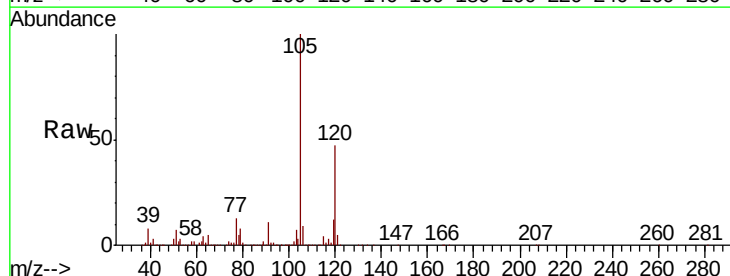
Manual Integrations
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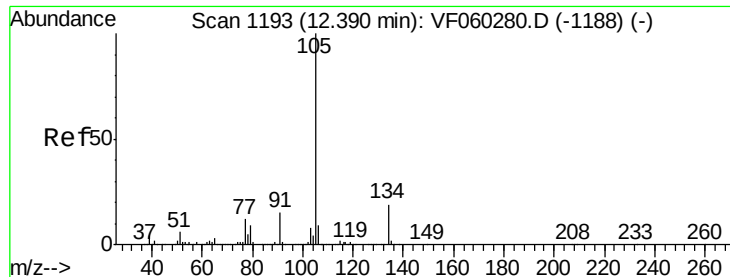
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.790 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VF060368.D
 Acq: 28 Sep 2018 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	677663		
120	46.7	22.4	67.0	





#85

sec-Butylbenzene

Concen: 59.611 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 956095

Ion Ratio Lower Upper

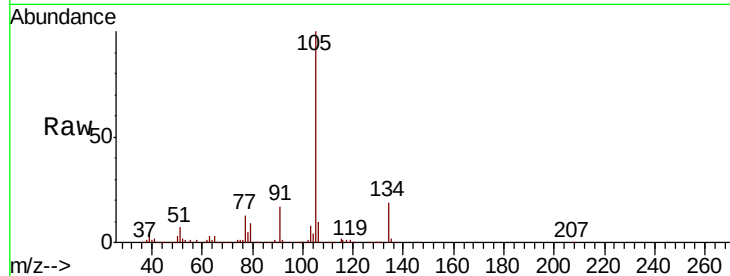
105 100

134 19.3 9.6 28.6

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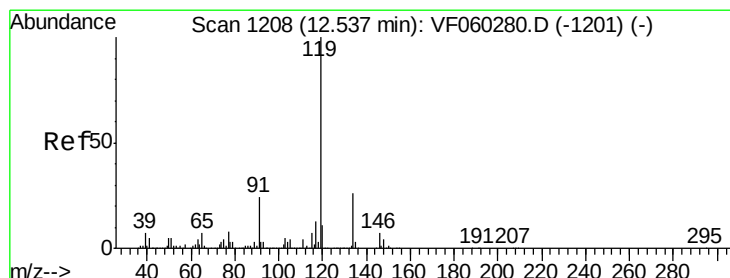
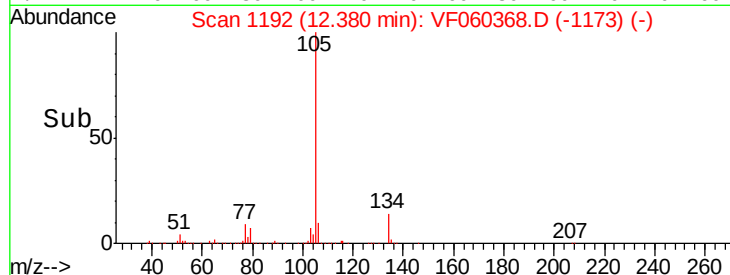
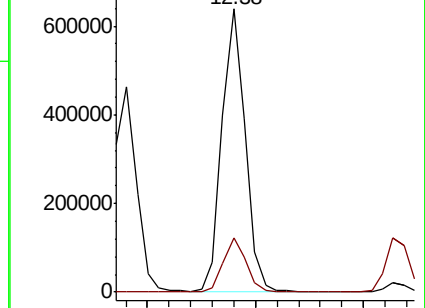
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.743 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

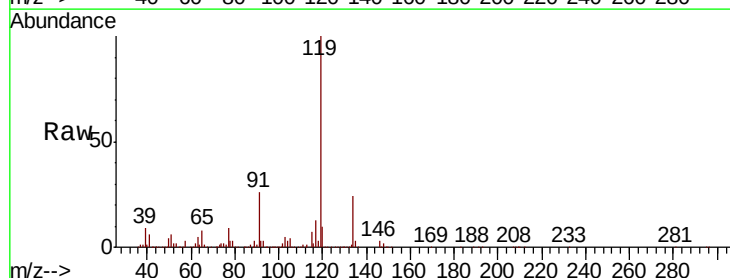
Tgt Ion:119 Resp: 755401

Ion Ratio Lower Upper

119 100

134 23.9 12.9 38.7

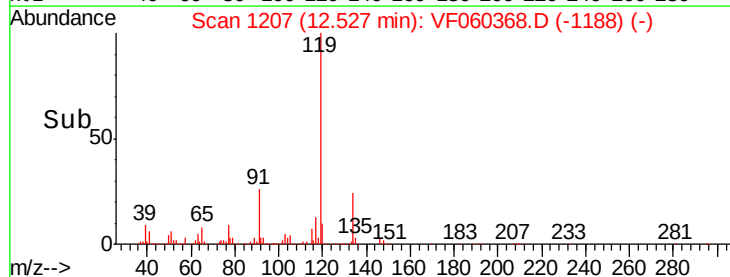
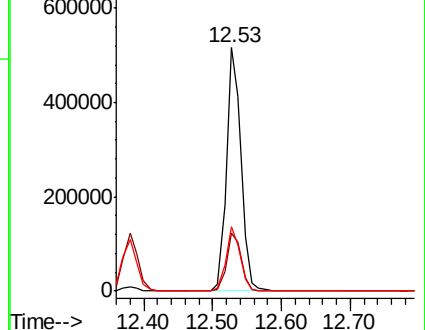
91 26.3 11.9 35.7

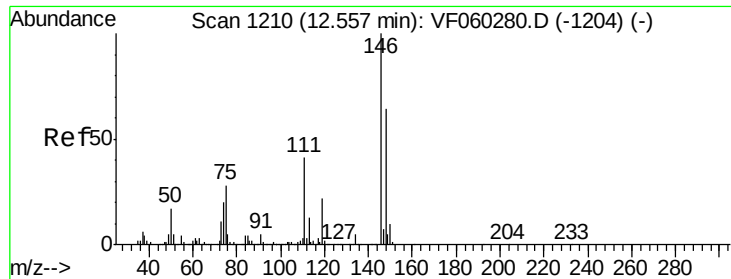


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 45.927 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

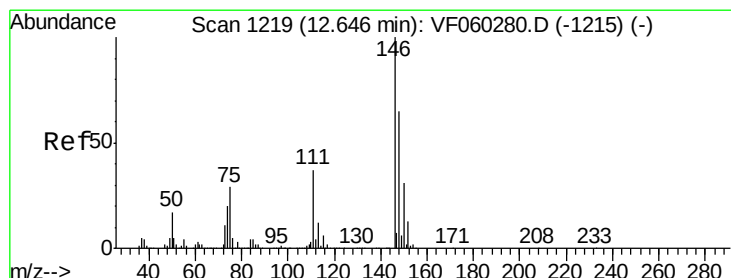
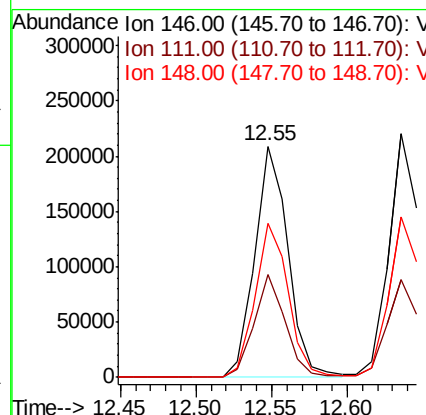
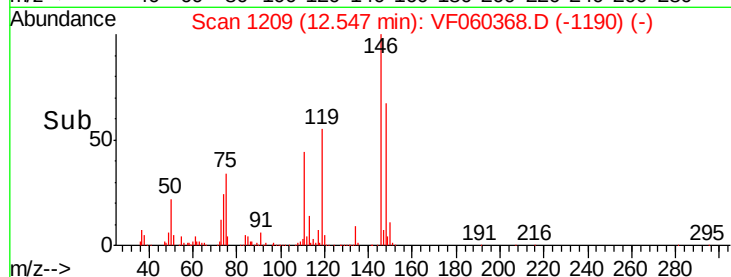
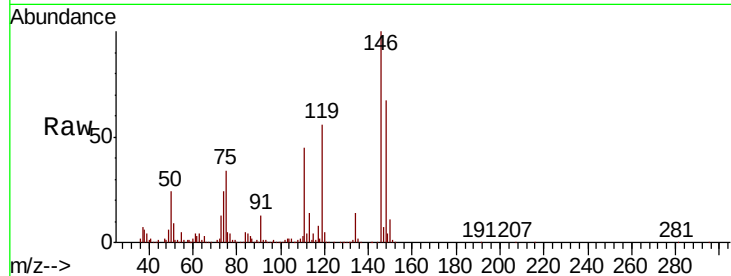
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	320856
Ion Ratio		Lower	Upper
146	100		
111	44.5	20.5	61.6
148	66.9	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.951 ug/l

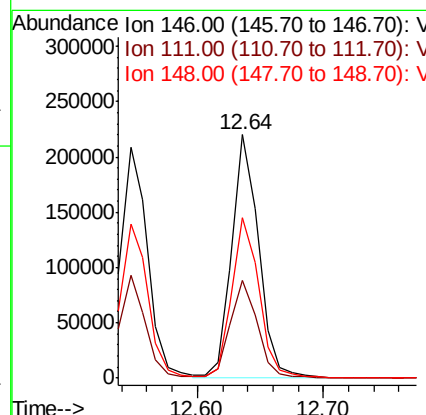
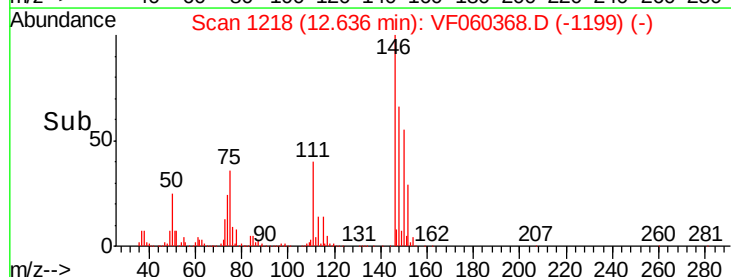
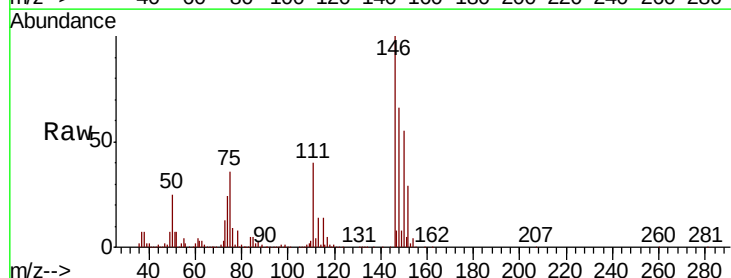
RT: 12.64 min Scan# 1218

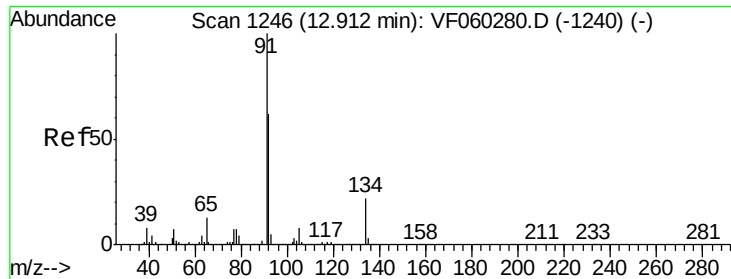
Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	146	Resp:	324207
Ion Ratio		Lower	Upper
146	100		
111	40.0	18.7	56.1
148	66.1	32.4	97.0





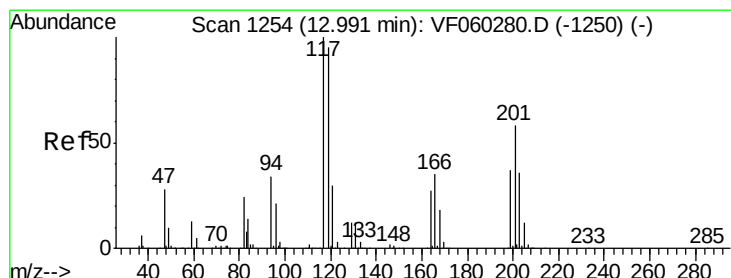
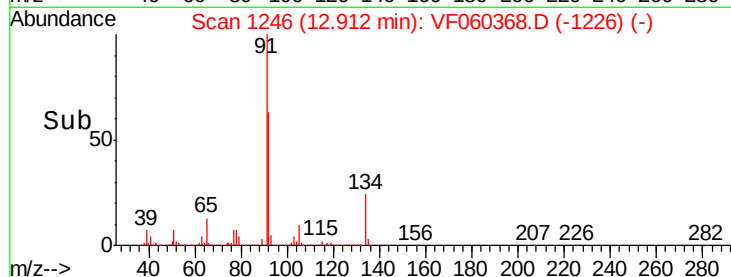
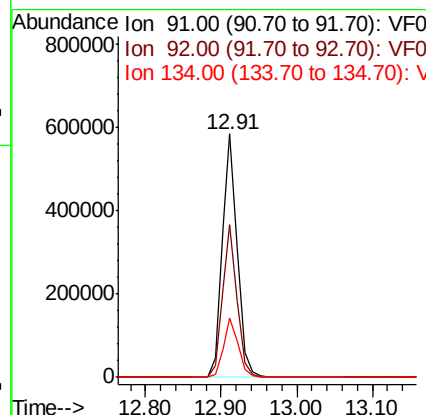
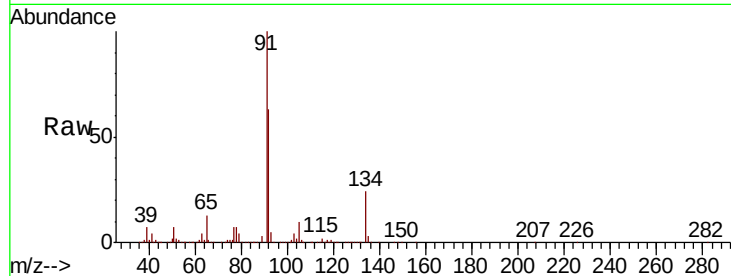
#89
n-Butylbenzene
Concen: 57.117 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.8	31.1	93.5
134	24.3	11.0	33.0

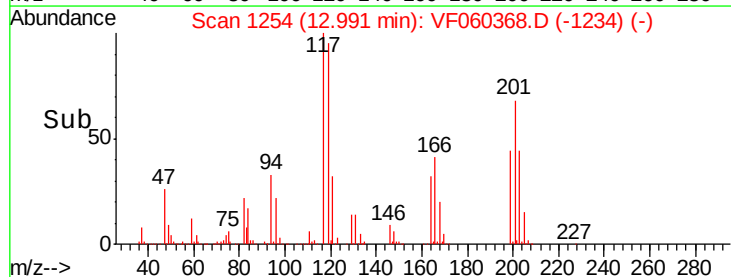
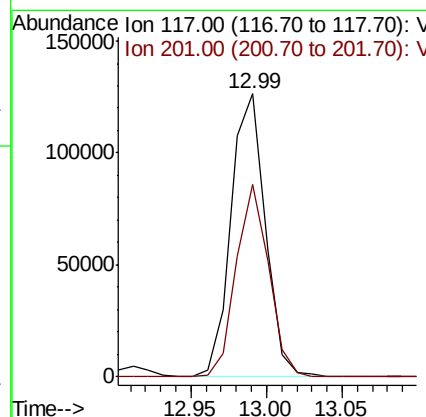
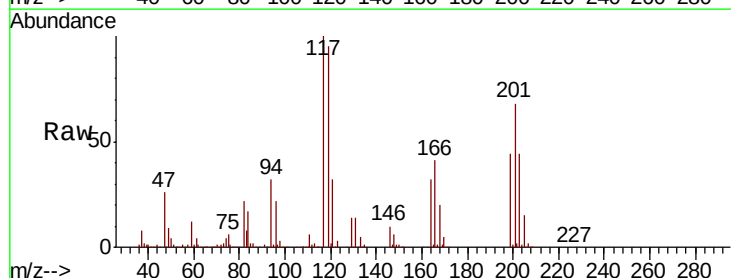
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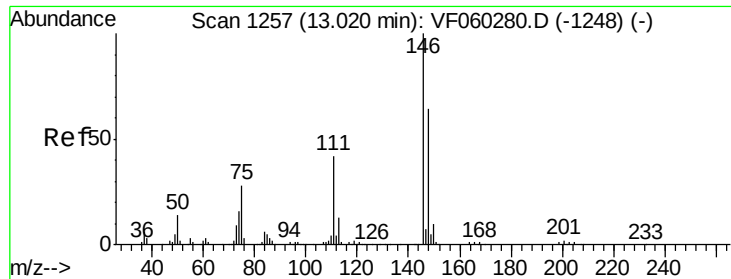
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#90
Hexachloroethane
Concen: 50.258 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060368.D
Acq: 28 Sep 2018 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.5	29.0	87.0





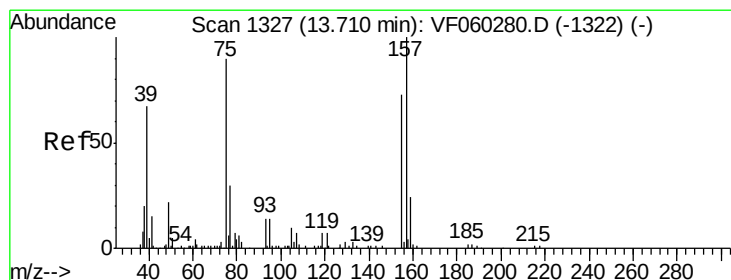
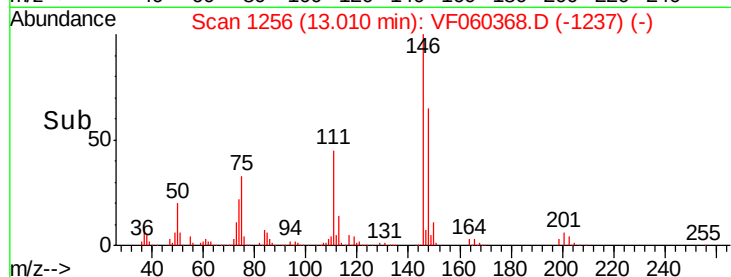
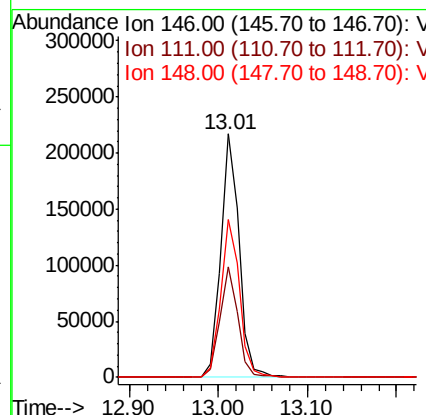
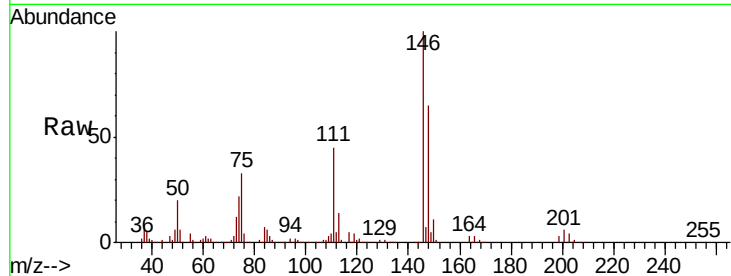
#91
 1,2-Dichlorobenzene
 Concen: 47.136 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF060368.D
 Acq: 28 Sep 2018 14:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	314140		
111	45.4	20.9	62.8	
148	64.7	31.9	95.9	

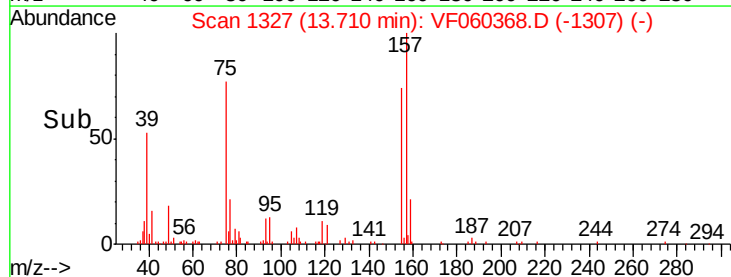
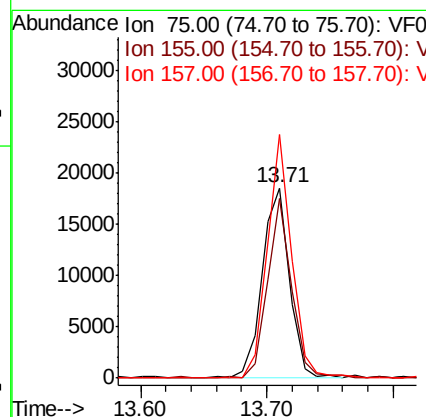
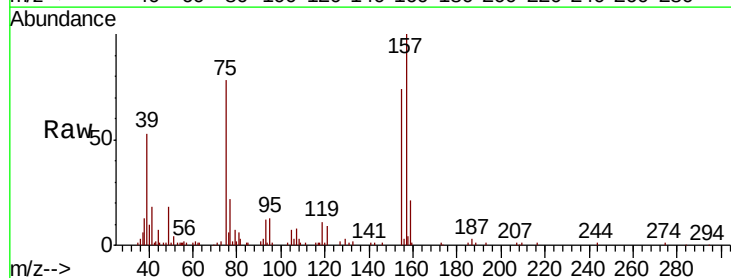
Manual Integrations
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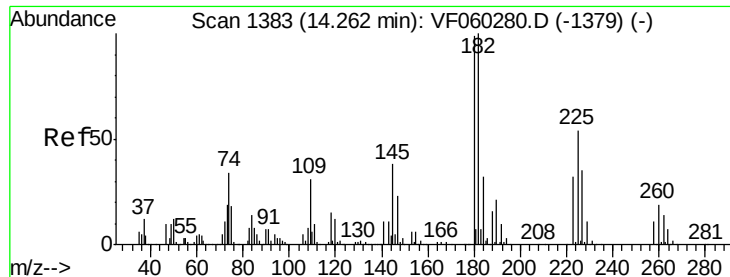
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.533 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VF060368.D
 Acq: 28 Sep 2018 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28015		
155	94.8	41.9	125.7	
157	128.3	57.4	172.0	





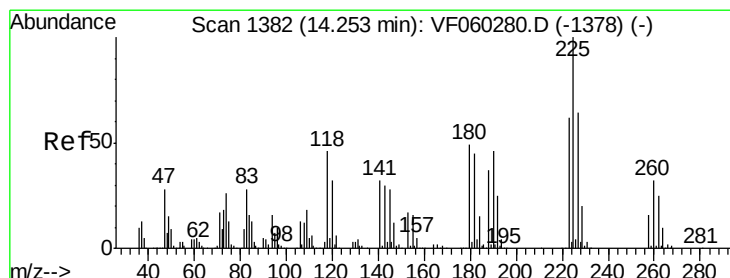
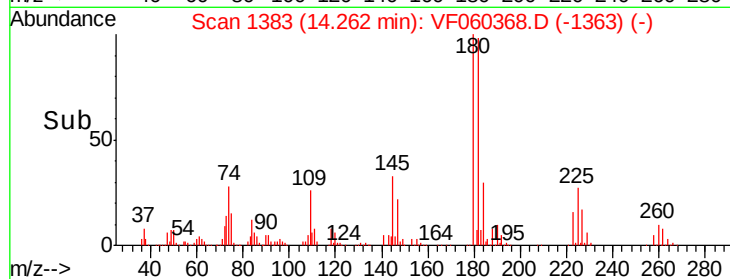
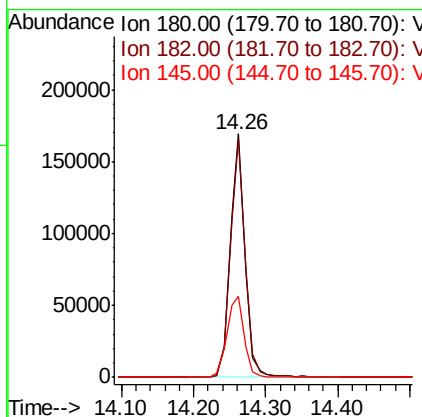
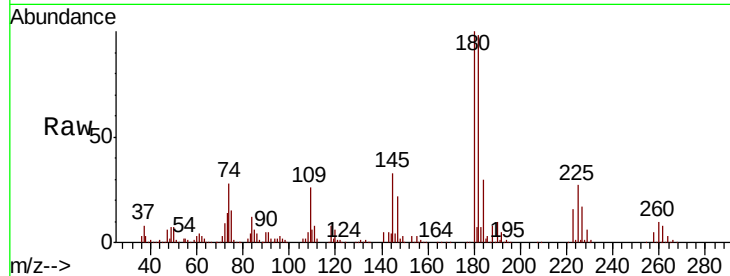
#93
 1,2,4-Trichlorobenzene
 Concen: 49.277 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060368.D
 Acq: 28 Sep 2018 14:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	238700
Ion Ratio	Lower	Upper	
180	100		
182	97.7	50.3	151.0
145	33.3	18.9	56.9

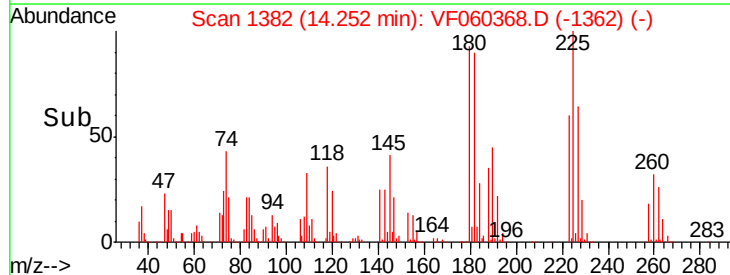
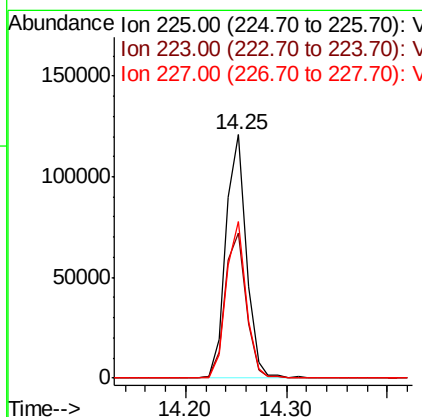
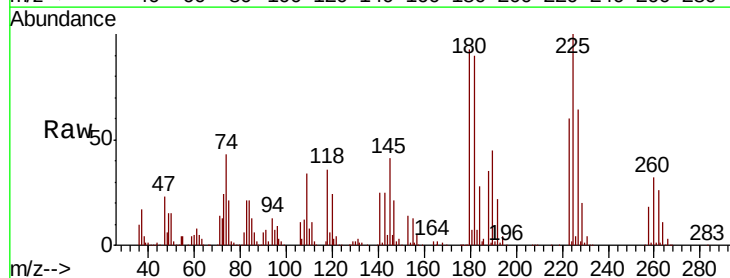
Manual Integrations
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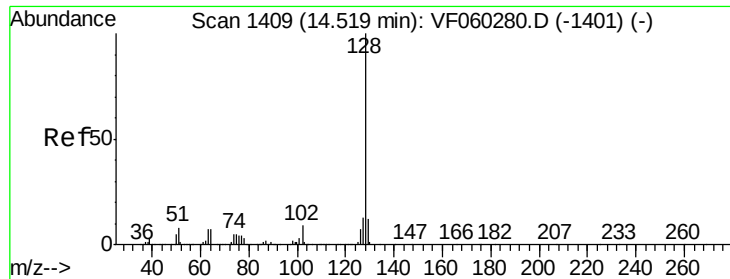
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#94
 Hexachlorobutadiene
 Concen: 52.154 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060368.D
 Acq: 28 Sep 2018 14:53

Tgt Ion:	225	Resp:	170782
Ion Ratio	Lower	Upper	
225	100		
223	59.6	31.2	93.6
227	64.4	32.2	96.6





#95

Naphthalene

Concen: 53.749 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Instrument :

MSVOA_F

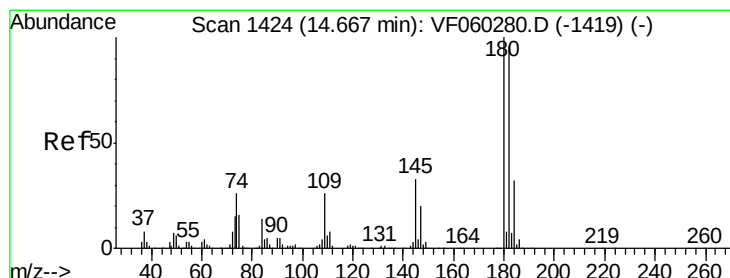
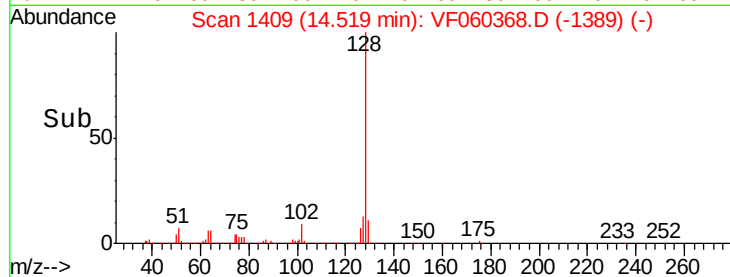
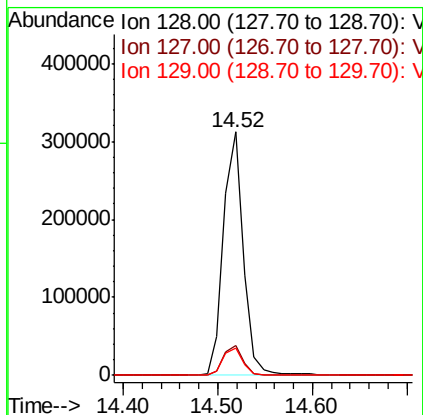
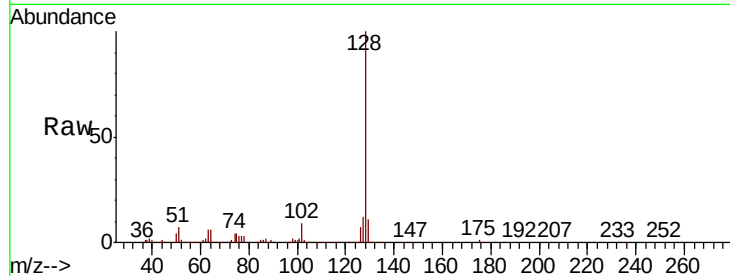
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	456480
Ion Ratio		Lower	Upper
128	100		
127	12.5	10.1	15.1
129	11.0	9.8	14.8

Manual Integrations
APPROVED

apatel
10/1/2018 3:03:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.433 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. -0.01 min

Lab File: VF060368.D

Acq: 28 Sep 2018 14:53

Tgt Ion:	180	Resp:	234690
Ion Ratio		Lower	Upper
180	100		
182	92.6	47.8	143.4
145	33.3	16.4	49.1

