

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100118\
 Data File : VF060387.D
 Acq On : 1 Oct 2018 16:50
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:29:02 PM

Quant Time: Oct 02 00:39:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	284428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	461077	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	406389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	237638	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	23998	6.01	ug/l	0.00
Spiked Amount			Recovery	=	12.02%	
35) Dibromofluoromethane	4.27	113	22829	5.45	ug/l	0.00
Spiked Amount			Recovery	=	10.90%	
50) Toluene-d8	7.69	98	55428	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
62) 4-Bromofluorobenzene	11.49	95	26673	5.69	ug/l	0.00
Spiked Amount			Recovery	=	11.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	29958	5.499	ug/l	92
3) Chloromethane	1.12	50	17900	4.523	ug/l	98
4) Vinyl Chloride	1.17	62	19702	4.862	ug/l #	85
5) Bromomethane	1.36	94	14322	5.096	ug/l	88
6) Chloroethane	1.42	64	10196	5.251	ug/l	89
7) Trichlorofluoromethane	1.54	101	43666	5.549	ug/l	93
8) Diethyl Ether	1.69	74	6830	5.487	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.88	101	23653	5.813	ug/l	92
10) Methyl Iodide	1.96	142	32090	4.939	ug/l	89
11) Tert butyl alcohol	2.67	59	8307	32.537	ug/l #	63
12) 1,1-Dichloroethene	1.85	96	17665	5.356	ug/l #	91
13) Acrolein	2.08	56	6075	41.571	ug/l #	64
14) Allyl chloride	2.18	41	26306	4.615	ug/l	94
15) Acrylonitrile	3.05	53	12444	23.260	ug/l #	79
16) Acetone	2.32	43	32503	30.357	ug/l #	92
17) Carbon Disulfide	1.88	76	52087	5.135	ug/l #	89
18) Methyl Acetate	2.43	43	12193	6.644	ug/l #	88
19) Methyl tert-butyl Ether	2.52	73	40664	4.911	ug/l	97
20) Methylene Chloride	2.27	84	29653m	7.680	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	17376	5.074	ug/l #	73
22) Diisopropyl ether	2.91	45	52870	4.957	ug/l	97
23) Vinyl Acetate	3.31	43	110508	26.252	ug/l	97
24) 1,1-Dichloroethane	2.97	63	34187	4.860	ug/l #	95
25) 2-Butanone	4.49	43	33638	24.148	ug/l #	91
26) 2,2-Dichloropropane	3.73	77	21367	5.385	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	18157	4.165	ug/l	84
28) Bromochloromethane	3.86	49	12886	4.706	ug/l #	73
29) Tetrahydrofuran	4.24	42	16075	30.702	ug/l #	87
30) Chloroform	4.01	83	45100	5.344	ug/l	93
31) Cyclohexane	3.83	56	26099	4.495	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	37010	5.473	ug/l	94
36) 1,1-Dichloropropene	4.43	75	28356	4.890	ug/l #	86
37) Ethyl Acetate	4.27	43	11508	4.803	ug/l #	81
38) Carbon Tetrachloride	4.15	117	35325	5.412	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	29957	4.917	ug/l	88
40) Benzene	4.78	78	59232	4.644	ug/l	93
41) Methacrylonitrile	4.90	41	6897	5.366	ug/l #	76
42) 1,2-Dichloroethane	5.09	62	28006	5.672	ug/l	96
43) Isopropyl Acetate	7.10	43	14884	5.155	ug/l #	94
44) Trichloroethene	5.65	130	19893	5.207	ug/l	88
45) 1,2-Dichloropropane	6.37	63	16026	4.823	ug/l #	86
46) Dibromomethane	6.23	93	12928	5.326	ug/l	93
47) Bromodichloromethane	6.52	83	32933	5.619	ug/l	99
48) Methyl methacrylate	6.85	41	9846m	4.794	ug/l	
49) 1,4-Dioxane	6.84	88	1363	74.995	ug/l #	62
51) 4-Methyl-2-Pentanone	8.38	43	57479	26.518	ug/l	100
52) Toluene	7.76	92	42613	5.236	ug/l	90
53) t-1,3-Dichloropropene	8.41	75	27121	5.805	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	29891	5.099	ug/l	96
55) 1,1,2-Trichloroethane	8.61	97	13406	5.429	ug/l #	88
56) Ethyl methacrylate	8.74	69	14945	5.006	ug/l	88
57) 1,3-Dichloropropane	8.98	76	22226	5.413	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	7197	26.596	ug/l	100
59) 2-Hexanone	9.61	43	41257	26.919	ug/l	90
60) Dibromochloromethane	8.84	129	18002	4.837	ug/l	88
61) 1,2-Dibromoethane	9.11	107	13810	4.967	ug/l	94
64) Tetrachloroethene	8.28	164	18155	5.004	ug/l	93
65) Chlorobenzene	9.91	112	43036	4.725	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	19163	4.997	ug/l	87
67) Ethyl Benzene	10.01	91	90838	5.370	ug/l	98
68) m/p-Xylenes	10.24	106	58967	10.099	ug/l	90
69) o-Xylene	10.80	106	31280	4.787	ug/l	90
70) Styrene	10.88	104	46583	5.068	ug/l	96
71) Bromoform	10.87	173	10075	4.817	ug/l	89
73) Isopropylbenzene	11.21	105	98837	4.711	ug/l	98
74) N-amyl acetate	11.45	43	22449	4.939	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	17847	4.792	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	13222	4.907	ug/l	99
77) Bromobenzene	11.58	156	22273	4.914	ug/l	82
78) n-propylbenzene	11.67	91	127865	5.132	ug/l	91
79) 2-Chlorotoluene	11.80	91	67065	4.668	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	86546	5.101	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	5240m	3.727	ug/l	
82) 4-Chlorotoluene	11.97	91	76191	5.301	ug/l	100
83) tert-Butylbenzene	12.20	119	80313	4.656	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	81107	4.682	ug/l	94
85) sec-Butylbenzene	12.37	105	118347	4.982	ug/l	88
86) p-Isopropyltoluene	12.53	119	97389	5.151	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	43066	5.061	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	42909	5.123	ug/l	96
89) n-Butylbenzene	12.90	91	101279	5.030	ug/l	92
90) Hexachloroethane	12.98	117	22550	4.645	ug/l	87
91) 1,2-Dichlorobenzene	13.01	146	41133	5.049	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.70	75	3359	4.764	ug/l	85

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MSVOA_F
ClientSampleId :
VSTDICC005

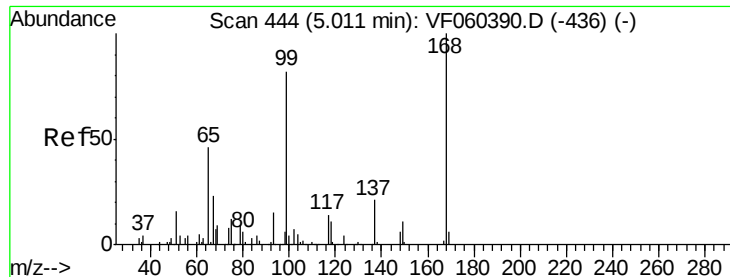
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	30482	5.126	ug/l	91
94) Hexachlorobutadiene	14.24	225	19816	4.934	ug/l	99
95) Naphthalene	14.51	128	45659	4.347	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	26332	4.802	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 284428

Ion Ratio Lower Upper

168 100

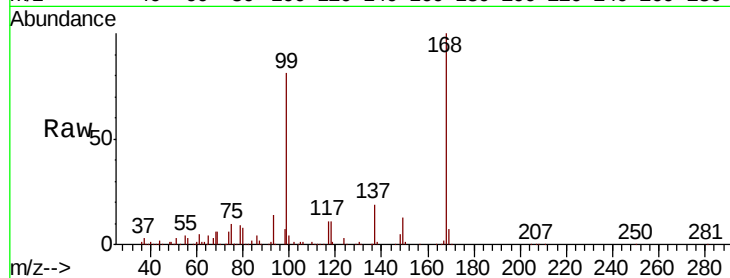
99 80.8 65.3 97.9

Manual Integrations

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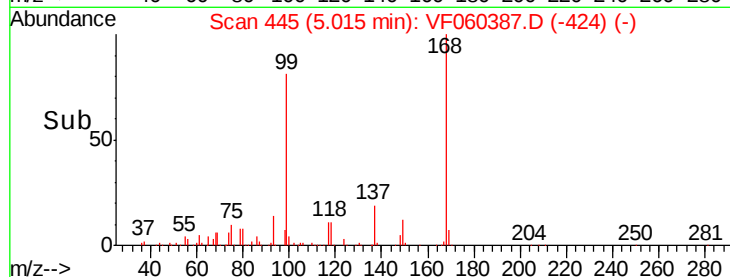


Abundance Ion 168.00 (167.70 to 168.70): VF0

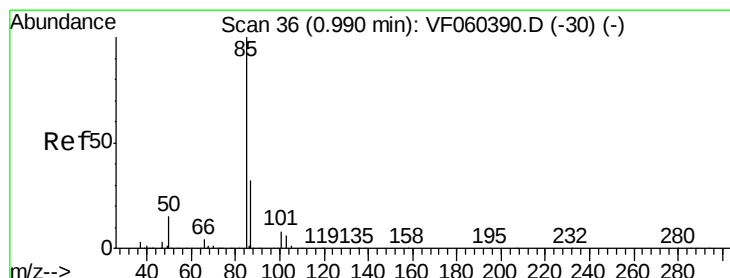
Ion 99.00 (98.70 to 99.70): VF0

5.02

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 5.499 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060387.D

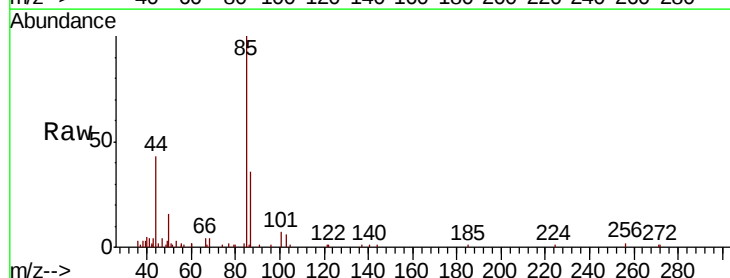
Acq: 1 Oct 2018 16:50

Tgt Ion: 85 Resp: 29958

Ion Ratio Lower Upper

85 100

87 36.0 15.9 47.6

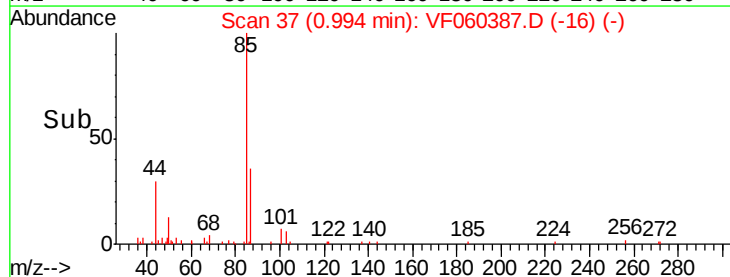


Abundance Ion 85.00 (84.70 to 85.70): VF0

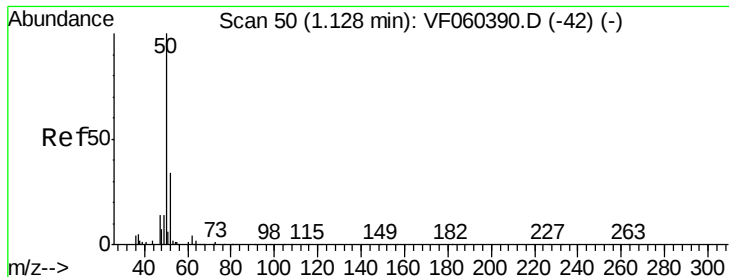
Ion 87.00 (86.70 to 87.70): VF0

0.99

Time-->



Time-->



#3

Chloromethane

Concen: 4.523 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 17900

Ion Ratio Lower Upper

50 100

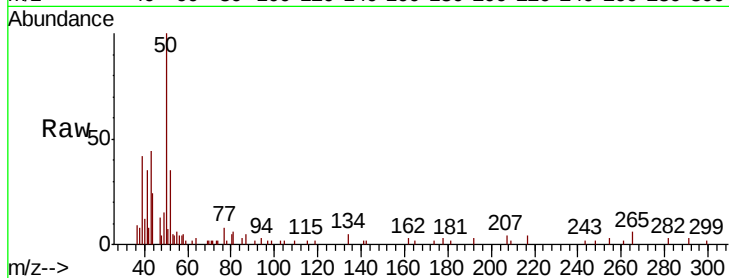
52 34.9 26.9 40.3

Manual Integrations

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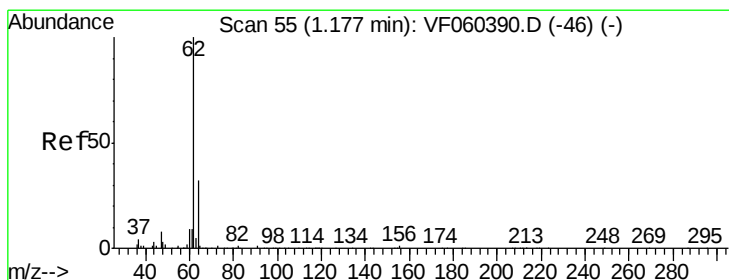
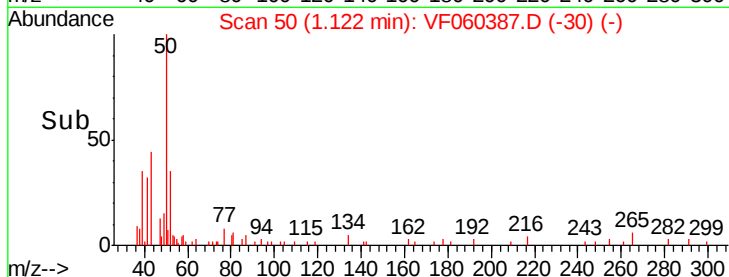
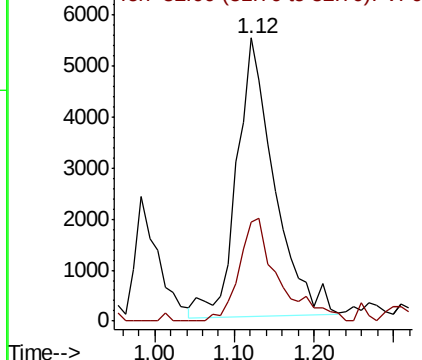
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 4.862 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060387.D

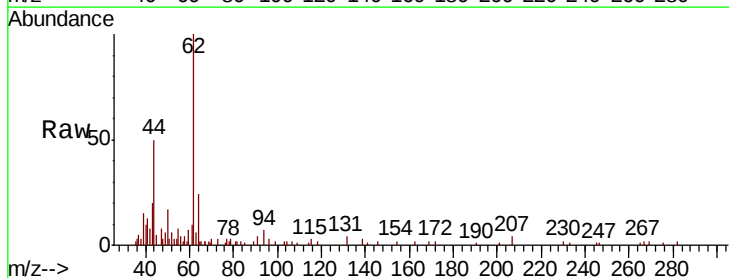
Acq: 1 Oct 2018 16:50

Tgt Ion: 62 Resp: 19702

Ion Ratio Lower Upper

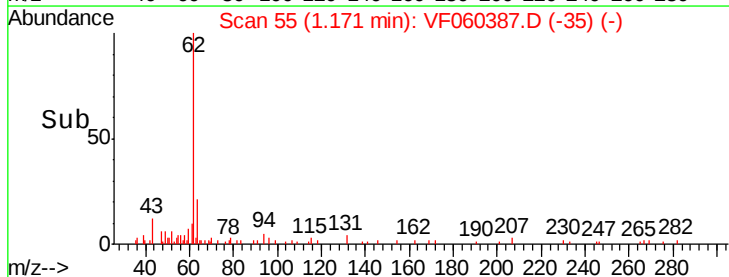
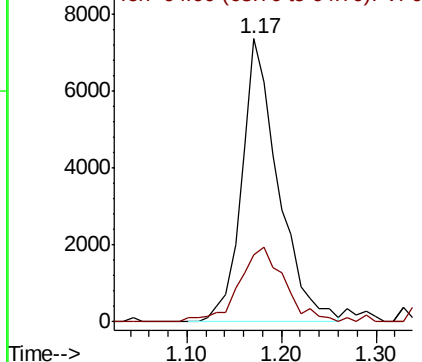
62 100

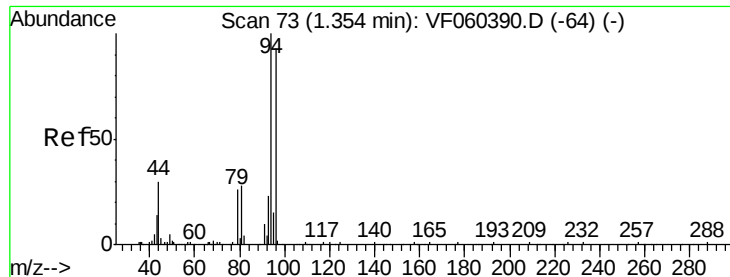
64 23.7 25.8 38.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 5.096 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14322

Ion Ratio Lower Upper

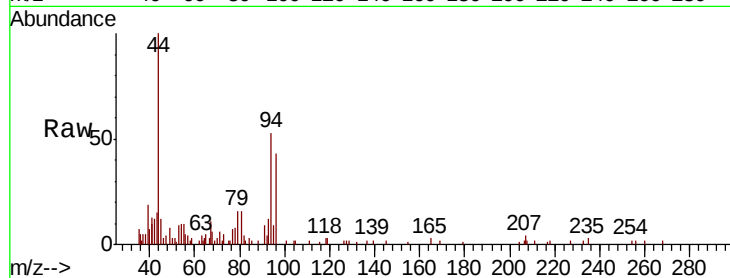
94 100

96 81.7 74.3 111.5

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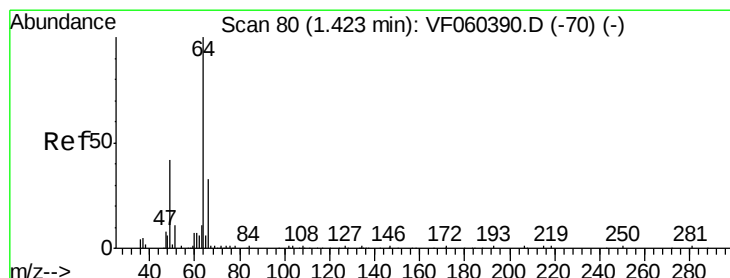
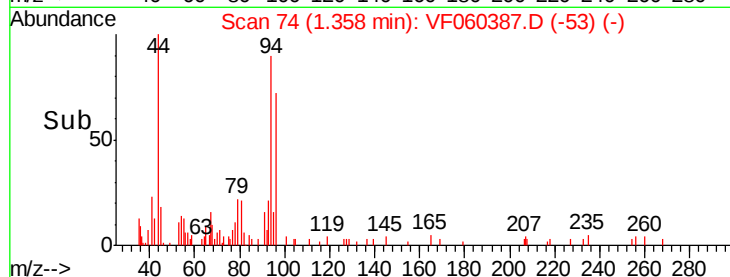
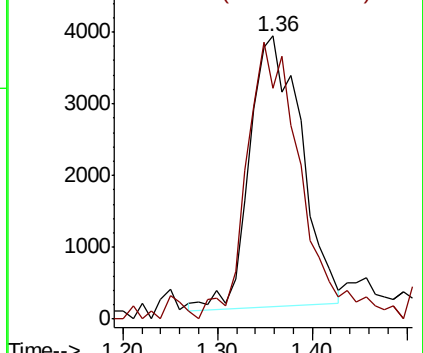
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 5.251 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060387.D

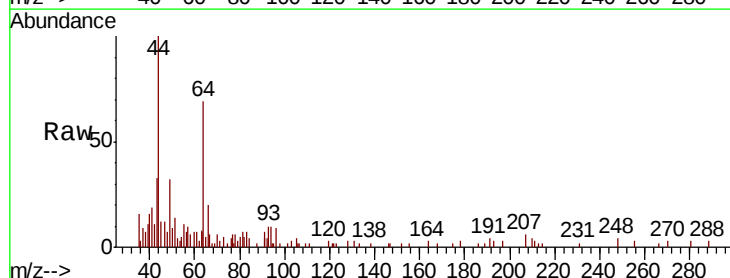
Acq: 1 Oct 2018 16:50

Tgt Ion: 64 Resp: 10196

Ion Ratio Lower Upper

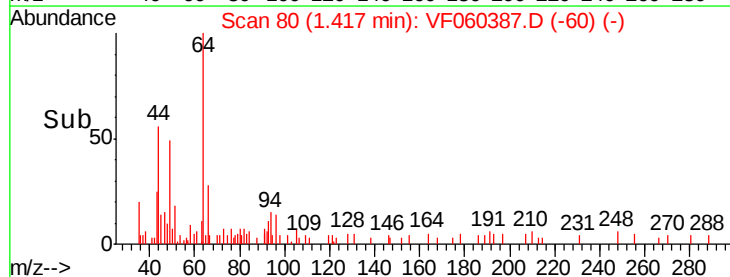
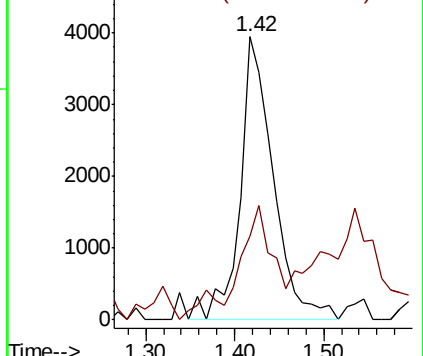
64 100

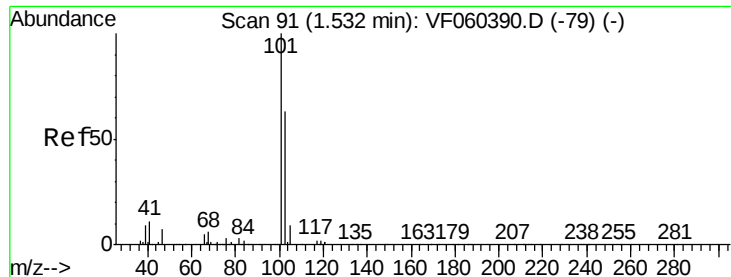
66 38.9 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 5.549 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.00 min

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Acq: 1 Oct 2018 16:50

Instrument :

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ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 43666

Ion Ratio Lower Upper

101 100

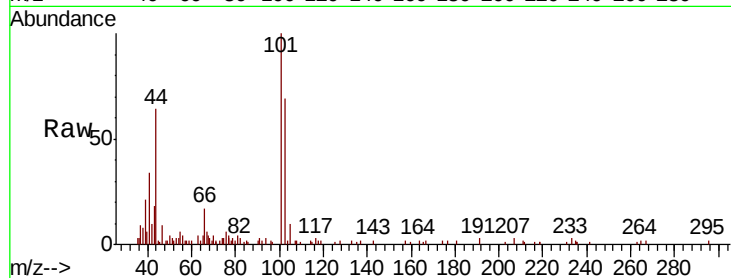
103 69.1 51.0 76.4

Manual Integrations

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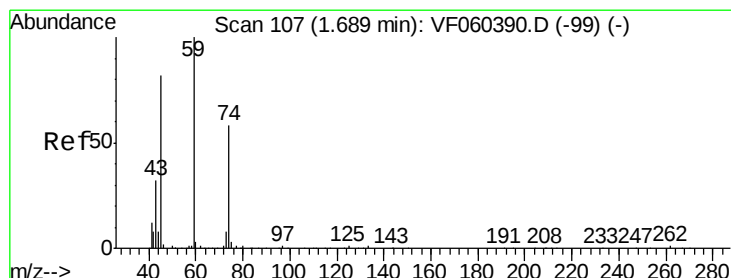
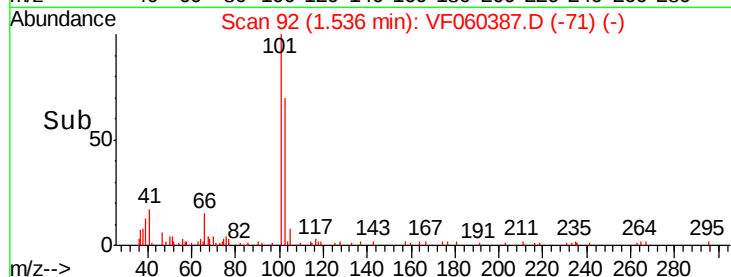
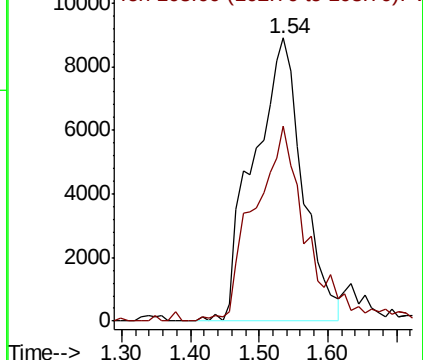
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 5.487 ug/l

RT: 1.69 min Scan# 108

Delta R.T. 0.00 min

Lab File: VF060387.D

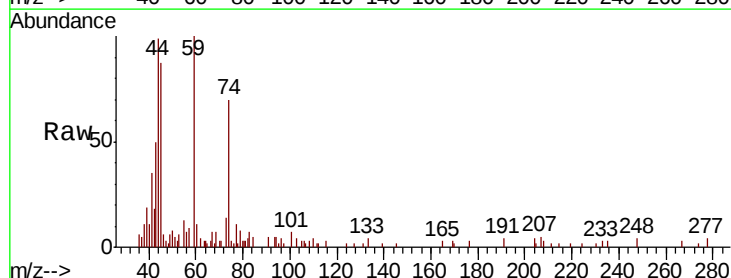
Acq: 1 Oct 2018 16:50

Tgt Ion: 74 Resp: 6830

Ion Ratio Lower Upper

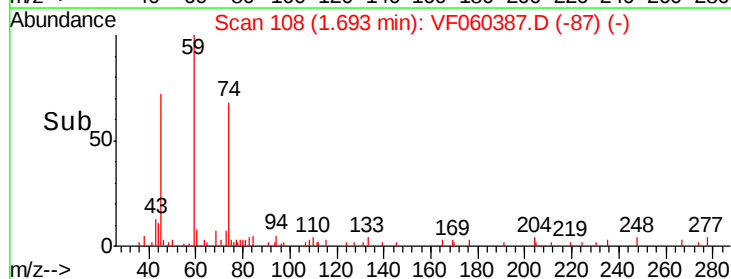
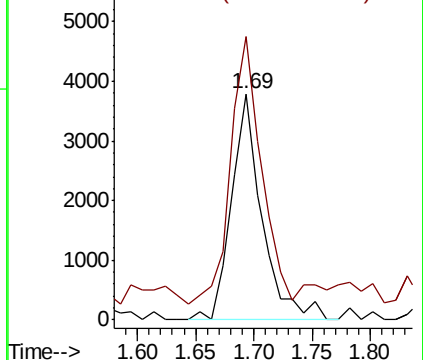
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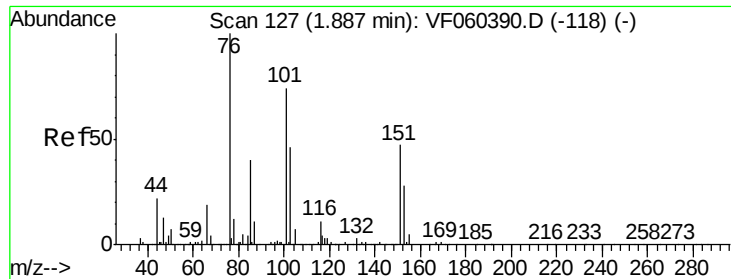
45 125.1 71.3 213.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.813 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

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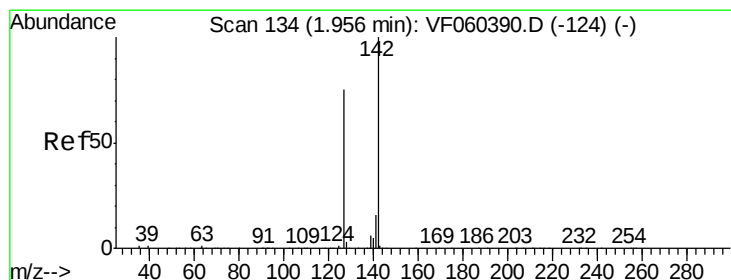
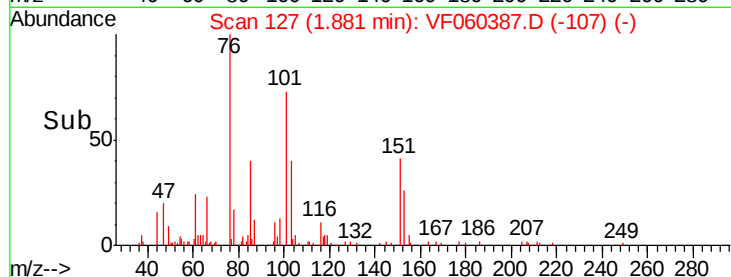
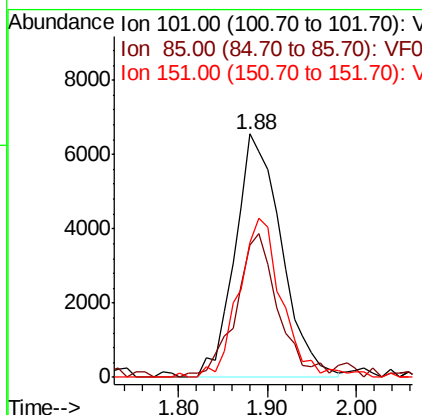
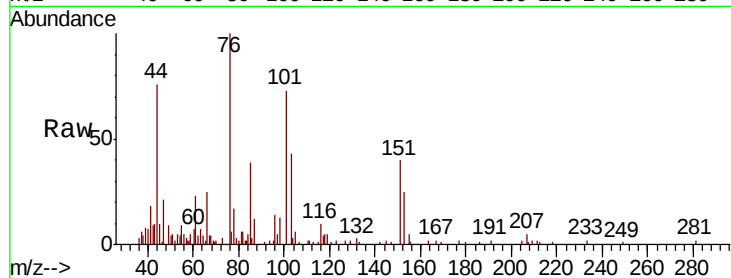
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	23653
Ion Ratio	Lower	Upper	
101	100		
85	58.5	42.5	63.7
151	55.6	49.8	74.8

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#10

Methyl Iodide

Concen: 4.939 ug/l

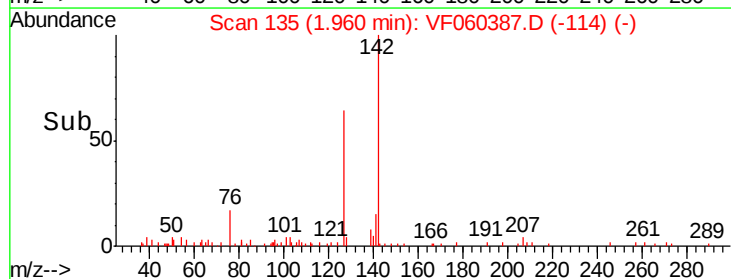
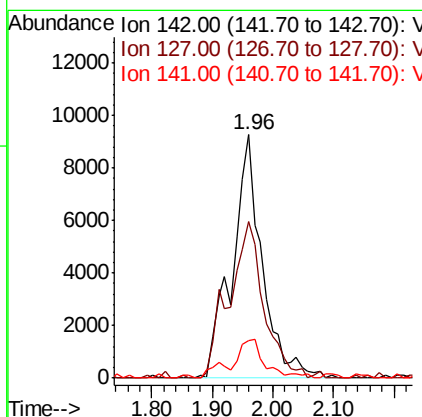
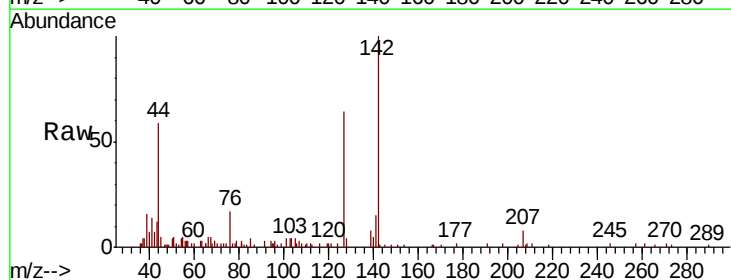
RT: 1.96 min Scan# 135

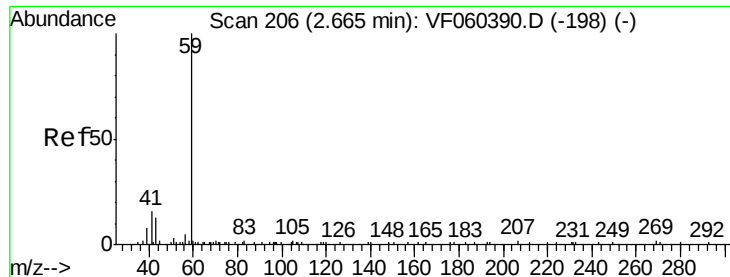
Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion:	142	Resp:	32090
Ion Ratio	Lower	Upper	
142	100		
127	64.5	60.2	90.2
141	15.3	13.1	19.7





#11

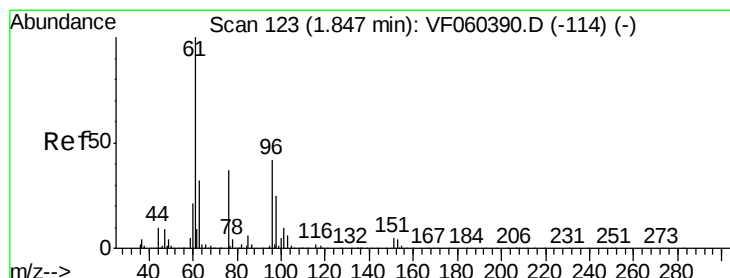
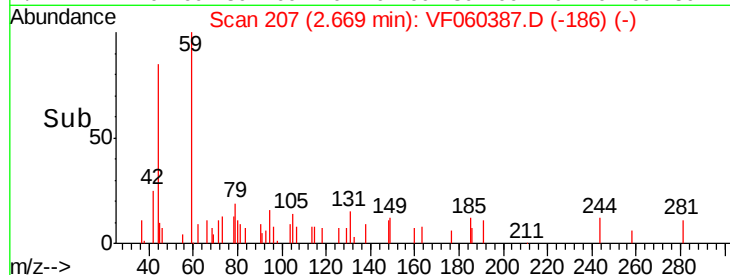
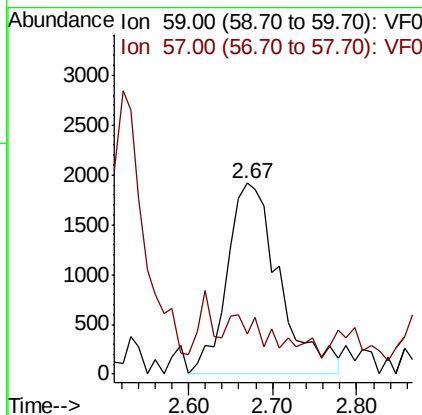
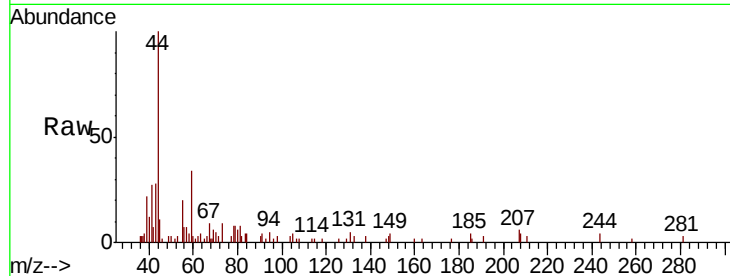
Tert butyl alcohol
Concen: 32.537 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	21.4	6.5	9.7#

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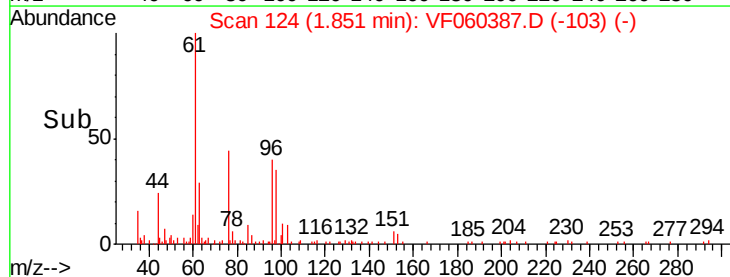
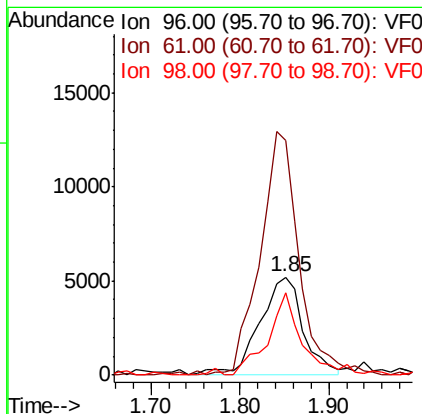
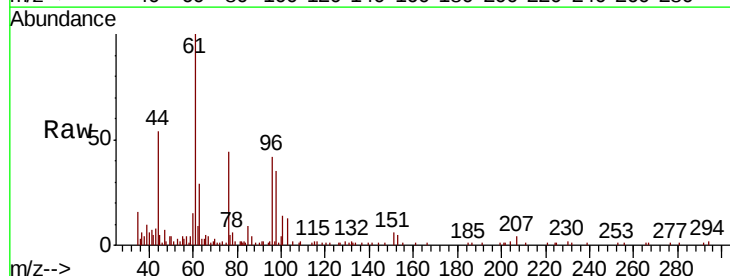
apatel
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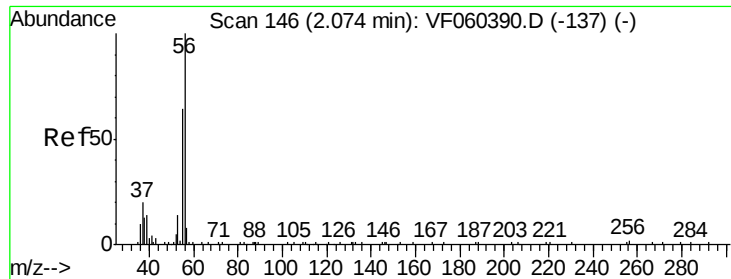


#12

1,1-Dichloroethene
Concen: 5.356 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	239.4	189.4	284.0
98	86.7	47.8	71.6#





#13

Acrolein

Concen: 41.571 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6075

Ion Ratio Lower Upper

56 100

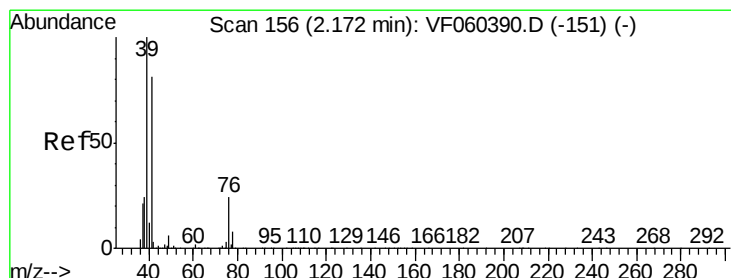
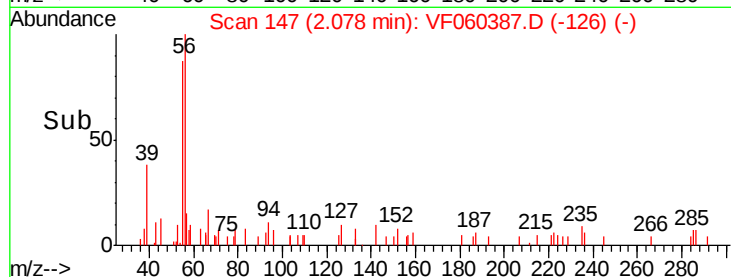
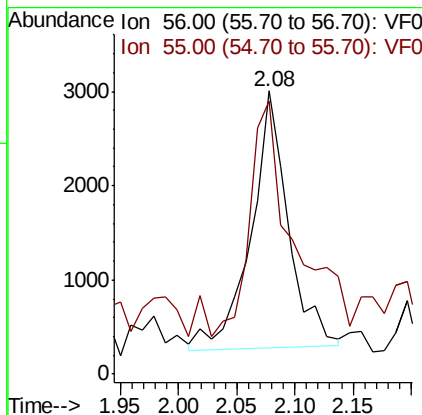
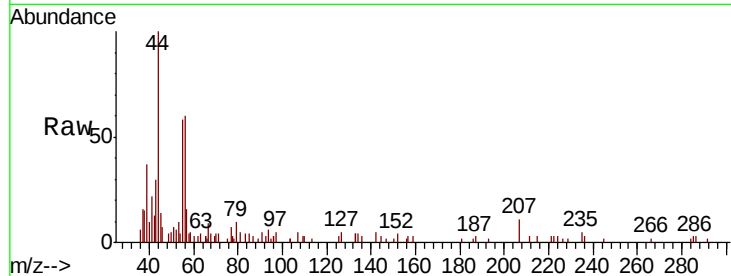
55 96.5 53.9 80.9#

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#14

Allyl chloride

Concen: 4.615 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

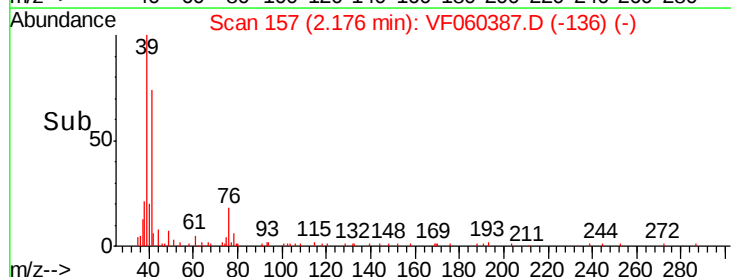
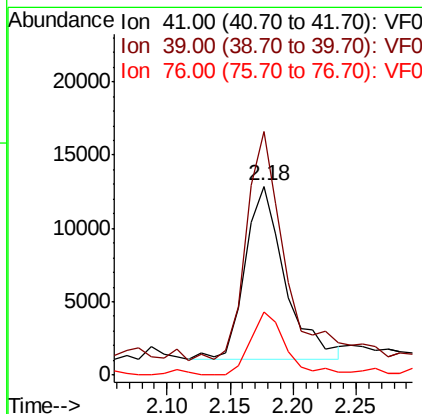
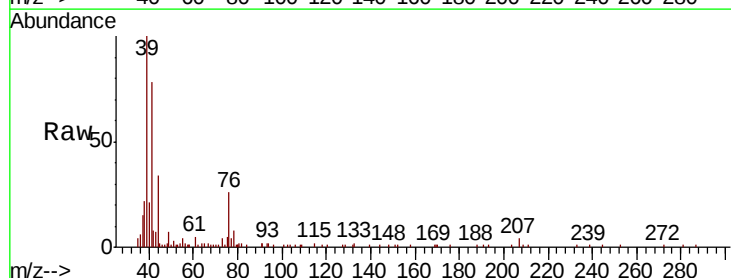
Tgt Ion: 41 Resp: 26306

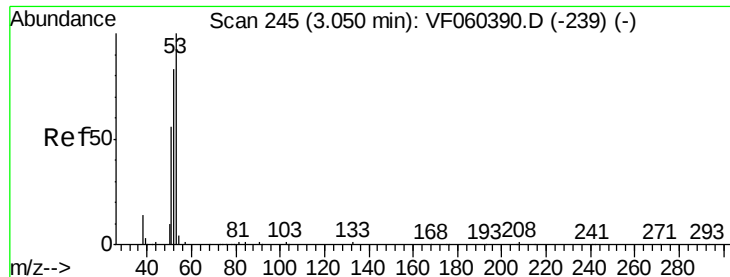
Ion Ratio Lower Upper

41 100

39 128.7 98.3 147.5

76 33.7 23.9 35.9





#15

Acrylonitrile

Concen: 23.260 ug/l

RT: 3.05 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

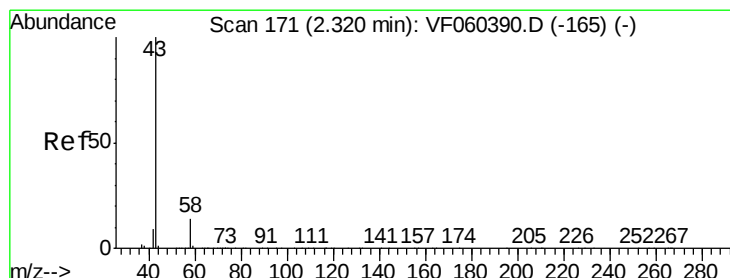
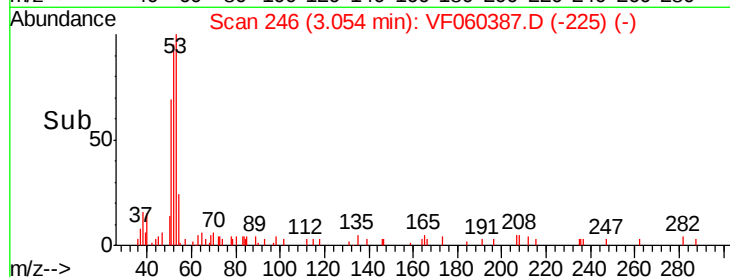
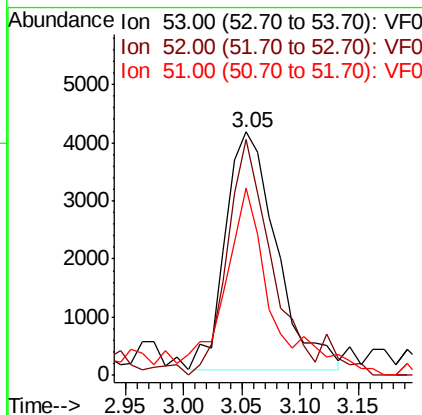
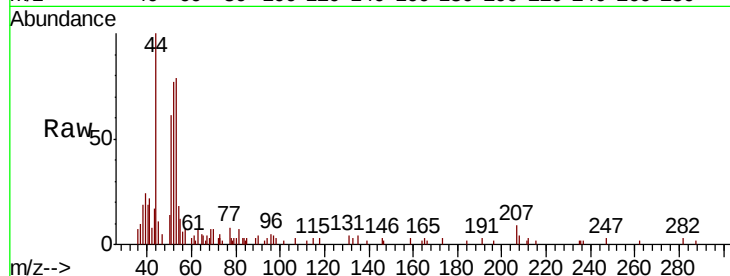
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	12444
Ion Ratio	Lower	Upper	
53	100		
52	97.1	66.0	99.0
51	76.7	45.6	68.4#

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#16

Acetone

Concen: 30.357 ug/l

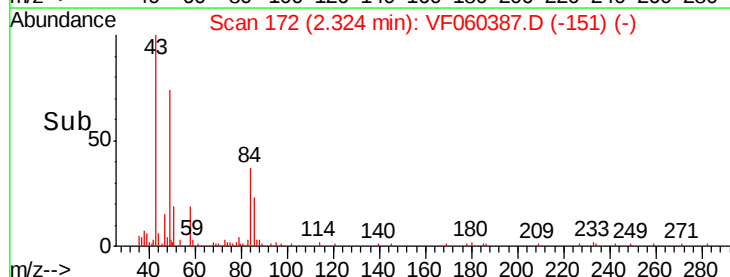
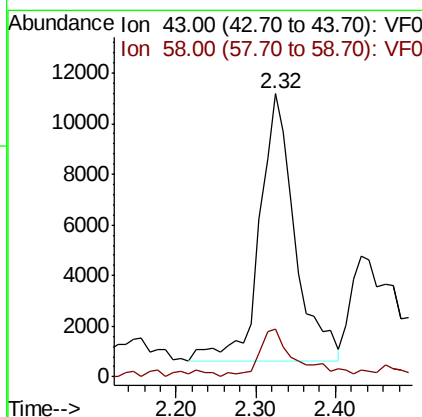
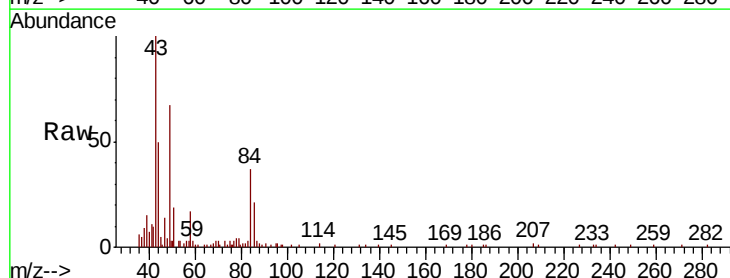
RT: 2.32 min Scan# 172

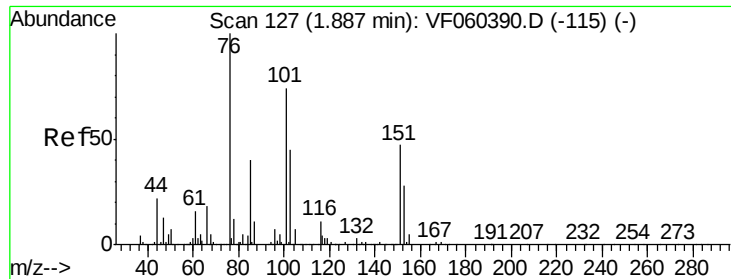
Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion:	43	Resp:	32503
Ion Ratio	Lower	Upper	
43	100		
58	17.1	11.2	16.8#





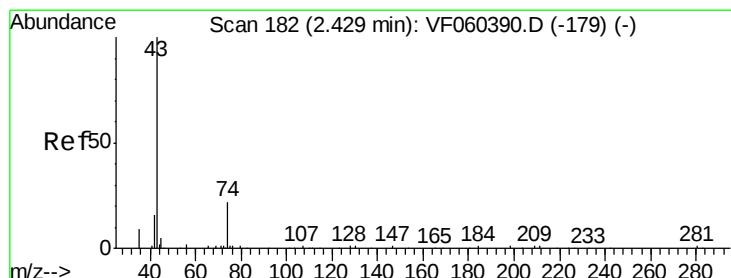
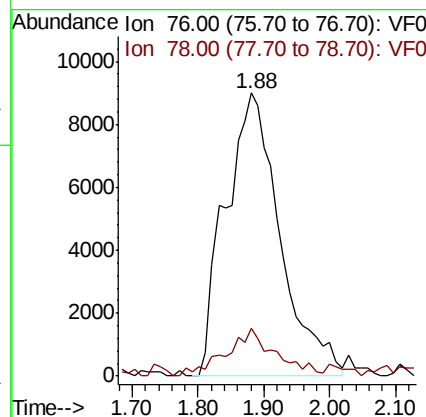
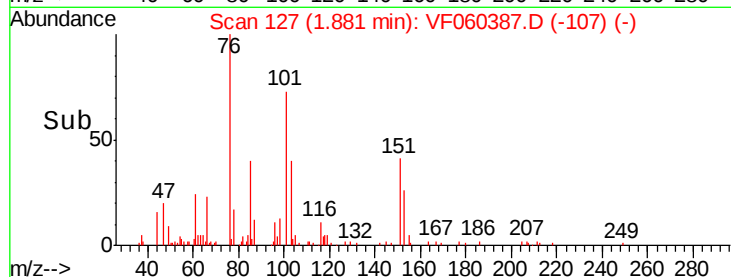
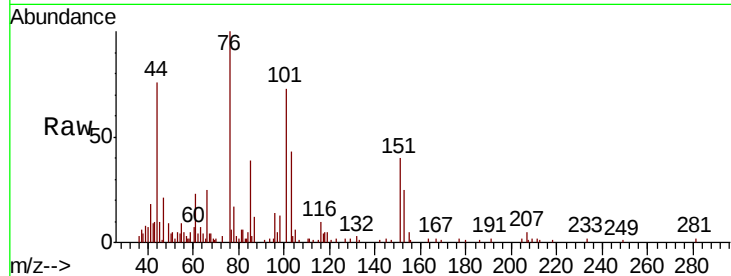
#17
Carbon Disulfide
Concen: 5.135 ug/l
RT: 1.88 min Scan# 127
Delta R.T. -0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 52087
Ion Ratio Lower Upper
76 100
78 16.8 10.1 15.1#

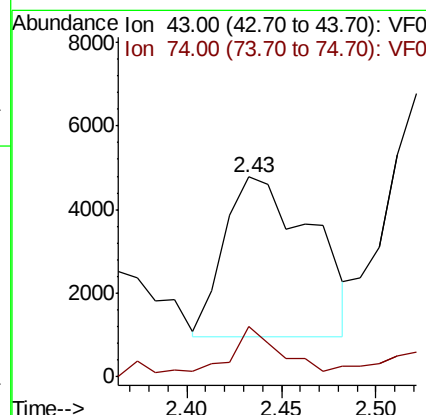
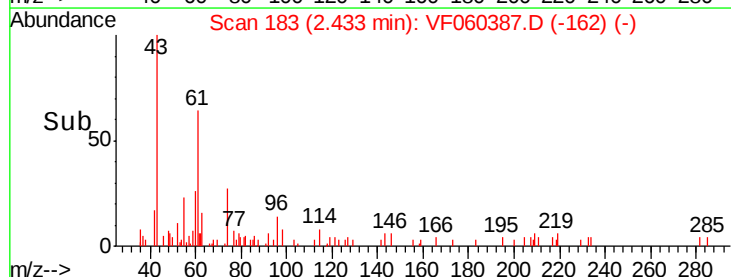
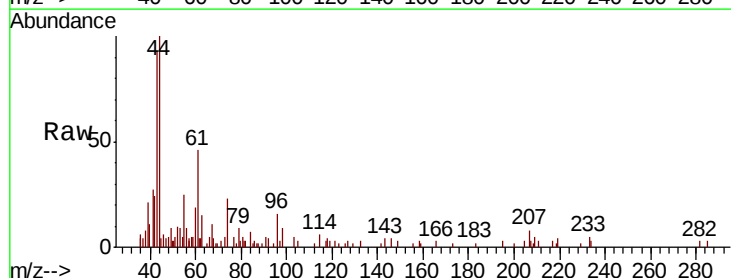
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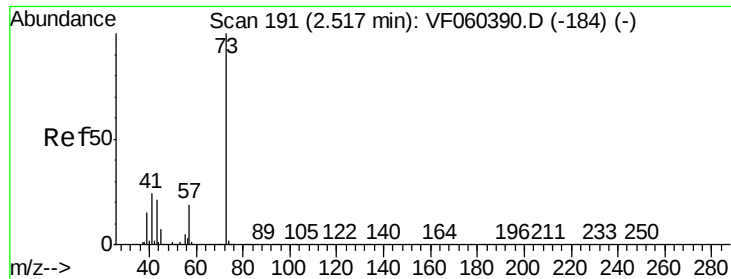
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#18
Methyl Acetate
Concen: 6.644 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion: 43 Resp: 12193
Ion Ratio Lower Upper
43 100
74 25.2 15.8 23.8#





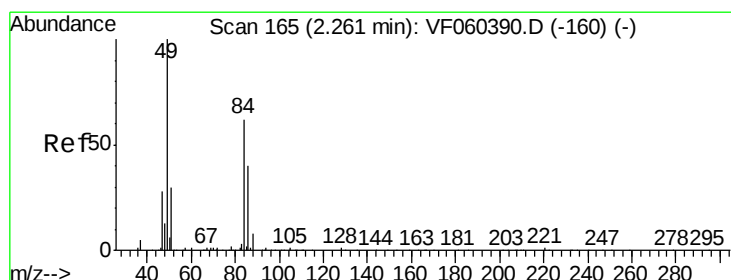
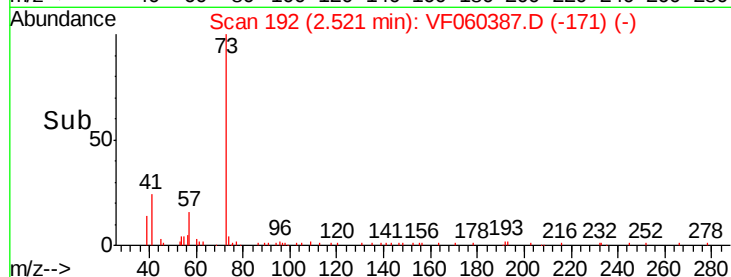
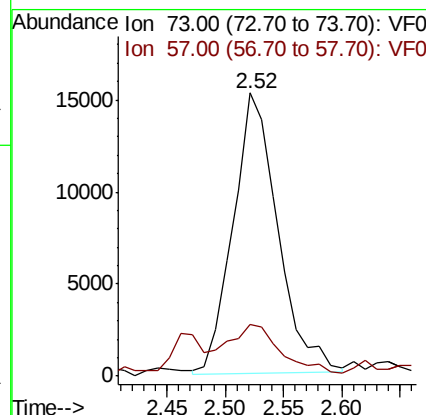
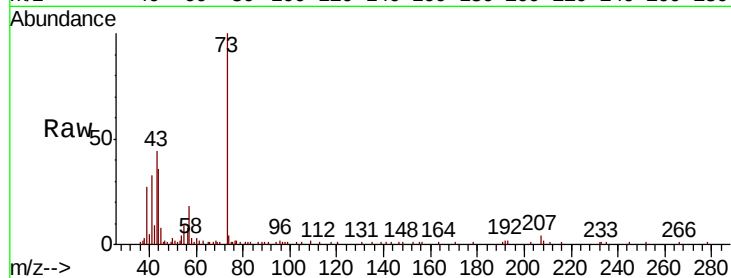
#19
Methvl tert-butvl Ether
Concen: 4.911 ug/l
RT: 2.52 min Scan# 192
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	15.9	23.9

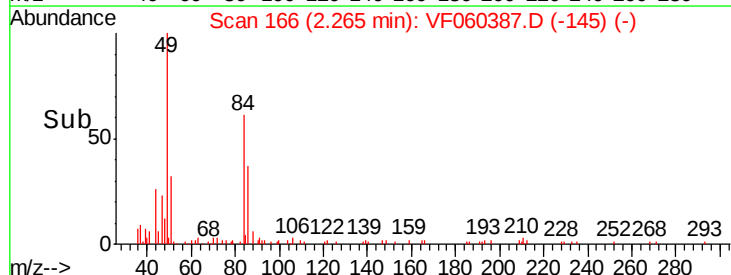
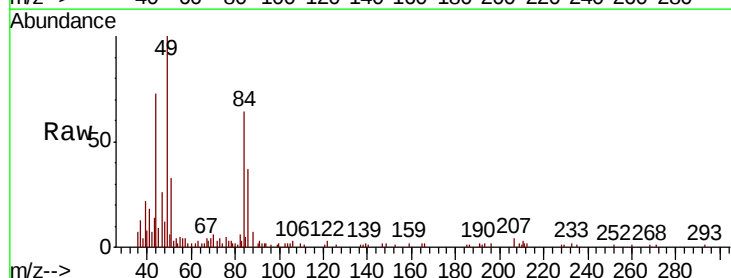
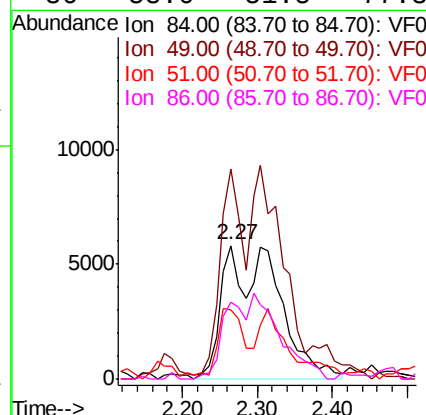
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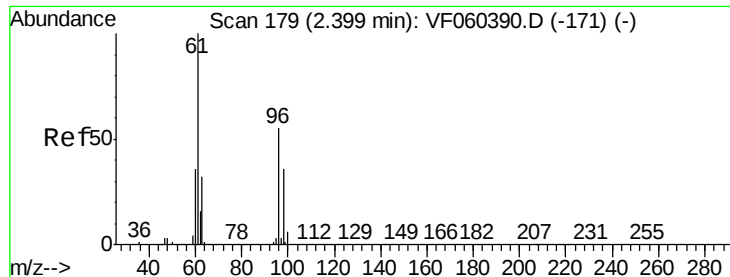
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#20
Methylene Chloride
Concen: 7.680 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.4	130.2	195.2
51	51.8	41.0	61.6
86	58.0	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 5.074 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 17376

Ion Ratio Lower Upper

96 100

61 137.9 146.2 219.2#

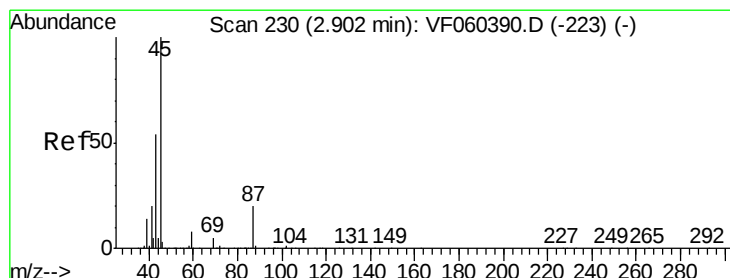
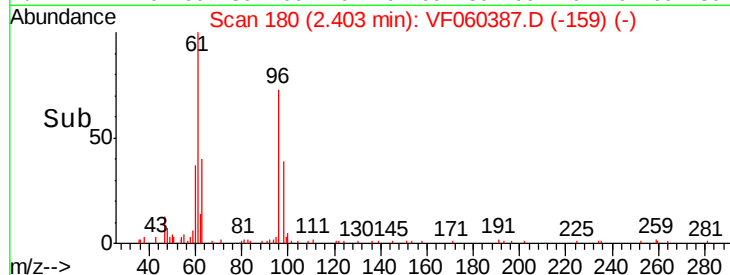
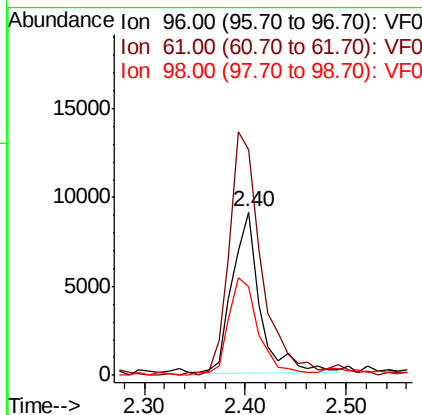
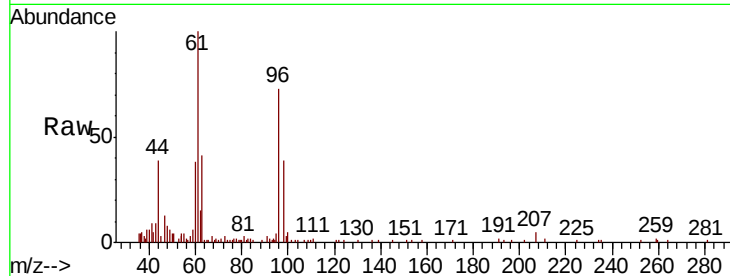
98 54.2 52.6 78.8

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#22

Diisopropyl ether

Concen: 4.957 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion: 45 Resp: 52870

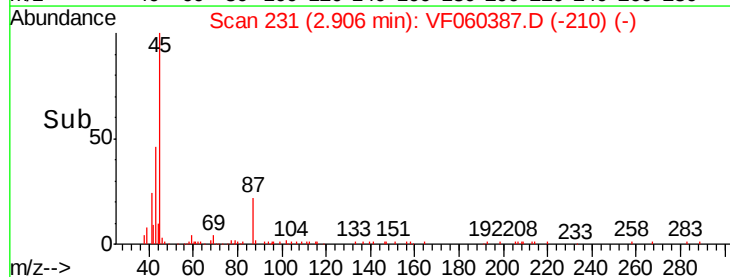
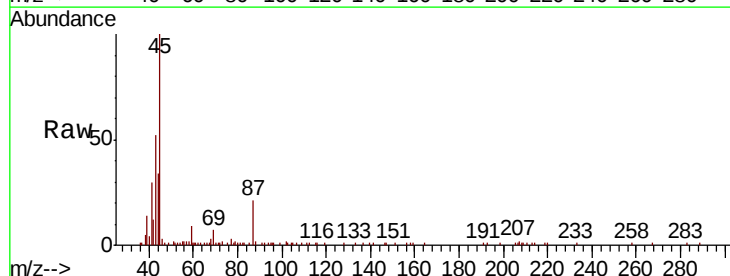
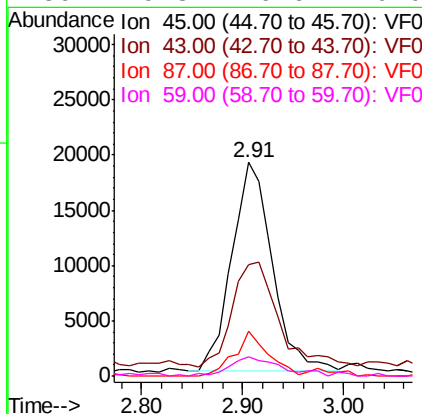
Ion Ratio Lower Upper

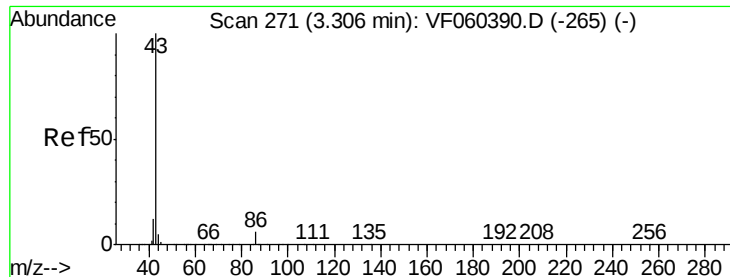
45 100

43 52.2 43.8 65.8

87 21.2 16.3 24.5

59 9.3 6.6 10.0





#23

Vinyl Acetate

Concen: 26.252 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 110508

Ion Ratio Lower Upper

43 100

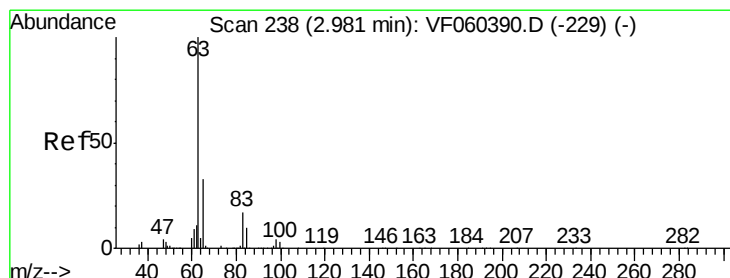
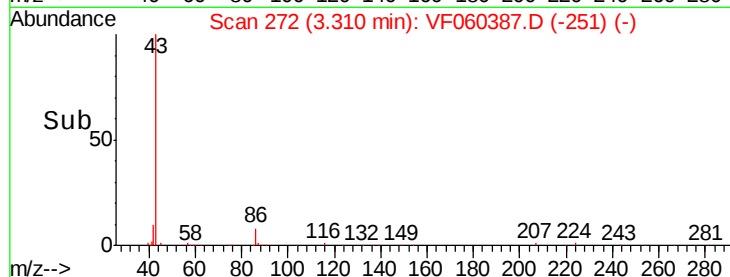
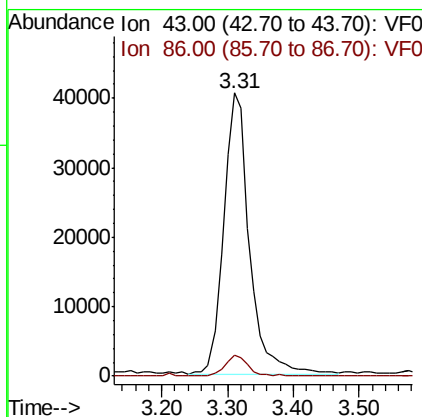
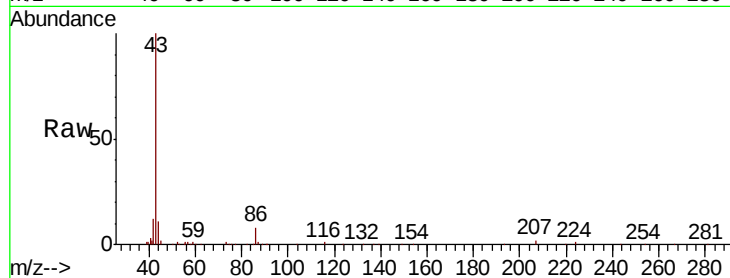
86 7.5 5.1 7.7

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#24

1,1-Dichloroethane

Concen: 4.860 ug/l

RT: 2.97 min Scan# 238

Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

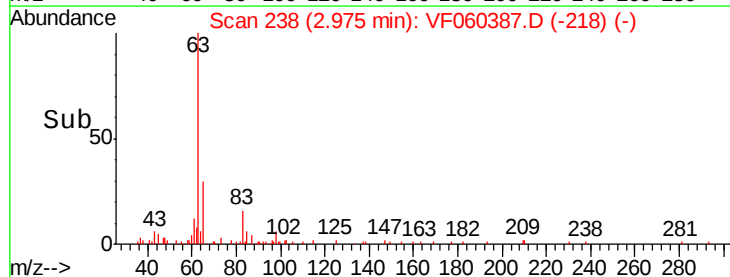
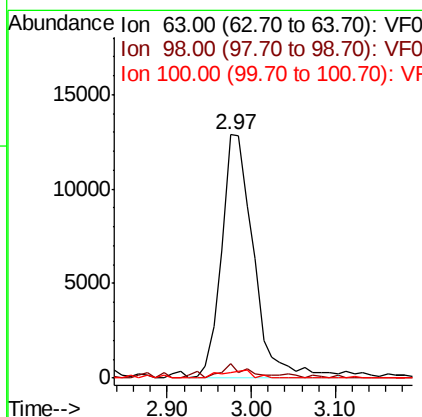
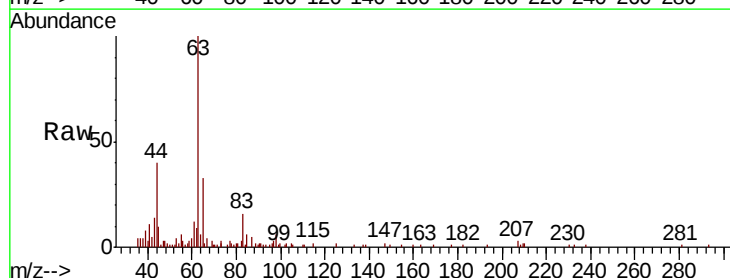
Tgt Ion: 63 Resp: 34187

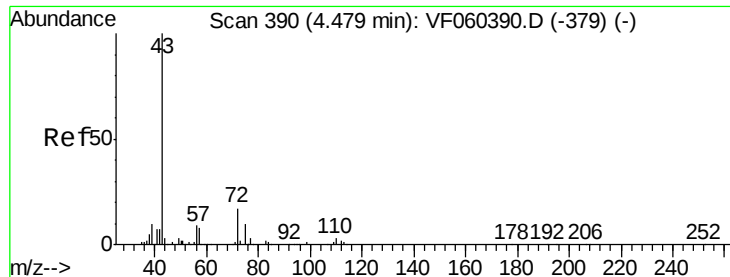
Ion Ratio Lower Upper

63 100

98 6.2 2.0 5.8#

100 2.4 1.4 4.2





#25

2-Butanone

Concen: 24.148 ug/l

RT: 4.49 min Scan# 392

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 33638

Ion Ratio Lower Upper

43 100

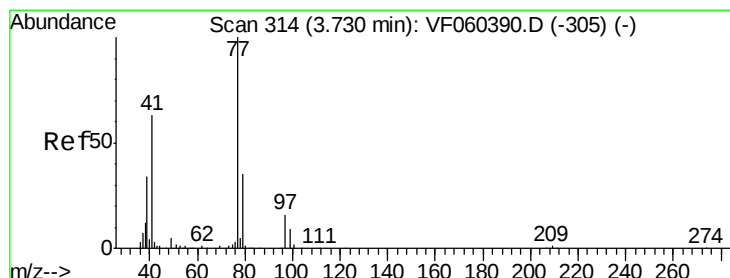
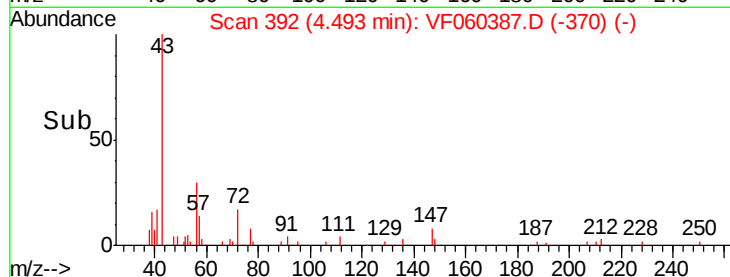
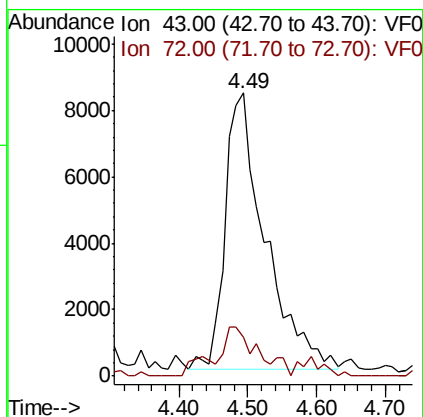
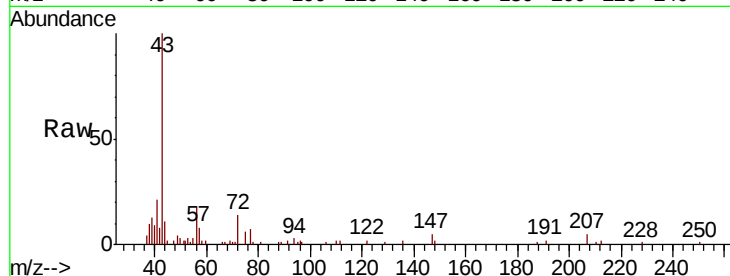
72 13.8 14.1 21.1#

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#26

2,2-Dichloropropane

Concen: 5.385 ug/l

RT: 3.73 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060387.D

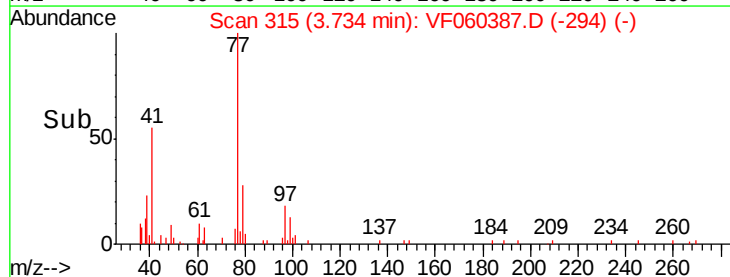
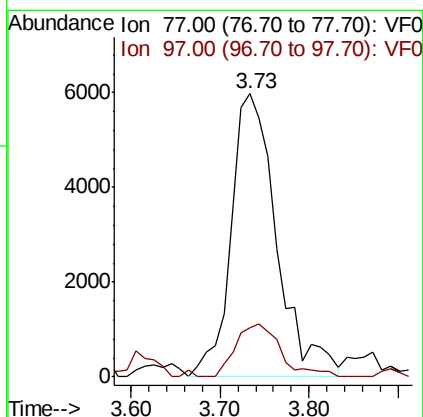
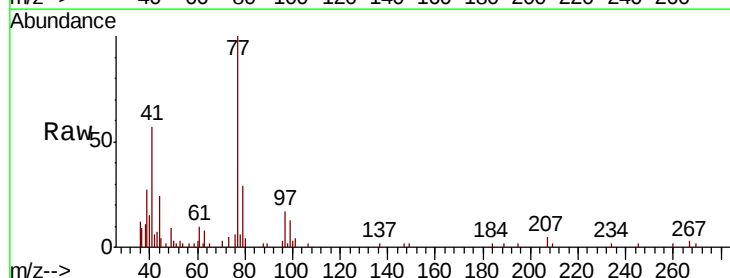
Acq: 1 Oct 2018 16:50

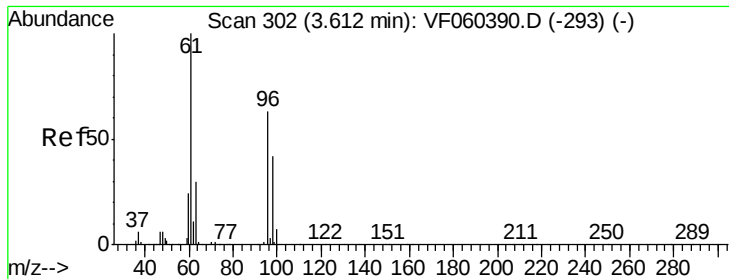
Tgt Ion: 77 Resp: 21367

Ion Ratio Lower Upper

77 100

97 17.4 8.3 25.1





#27

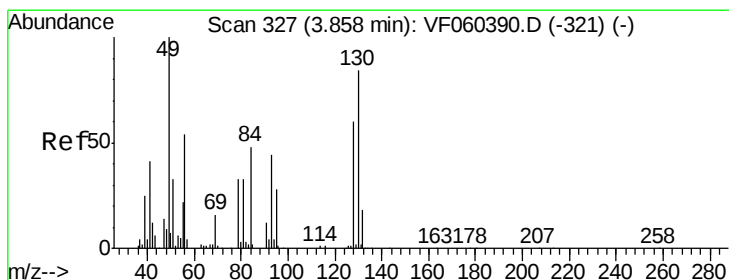
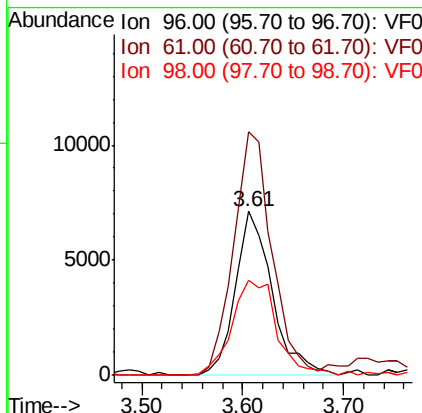
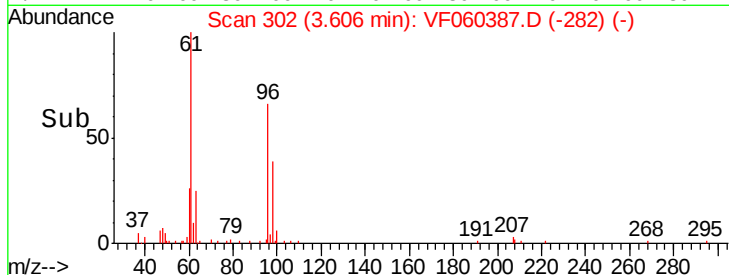
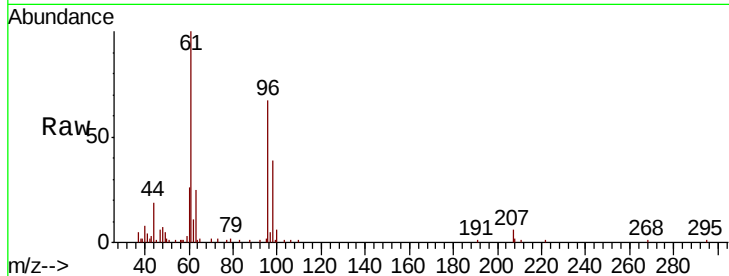
cis-1,2-Dichloroethene
Concen: 4.165 ug/l
RT: 3.61 min Scan# 302
Delta R.T. -0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	318.2
98	53.4	0.0	134.0

Manual Integrations
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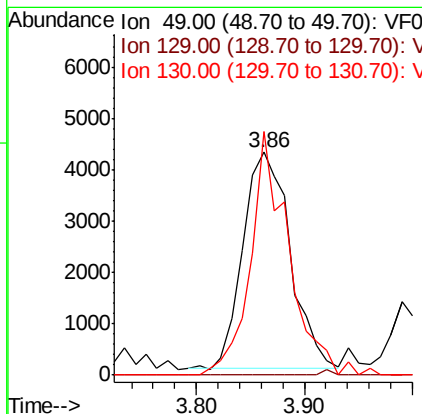
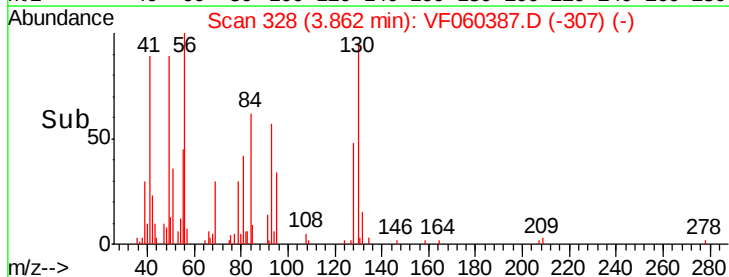
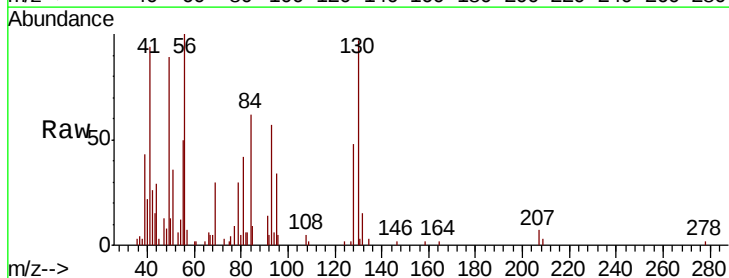
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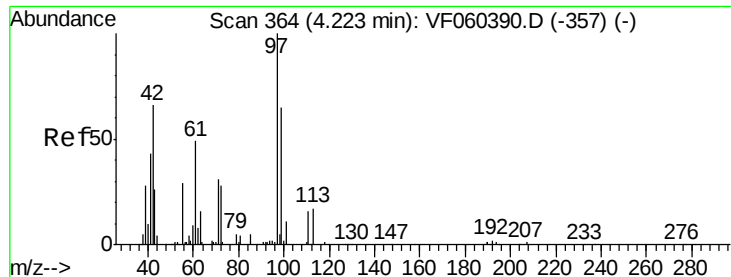


#28

Bromochloromethane
Concen: 4.706 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	109.3	67.3	100.9#





#29

Tetrahydrofuran

Concen: 30.702 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

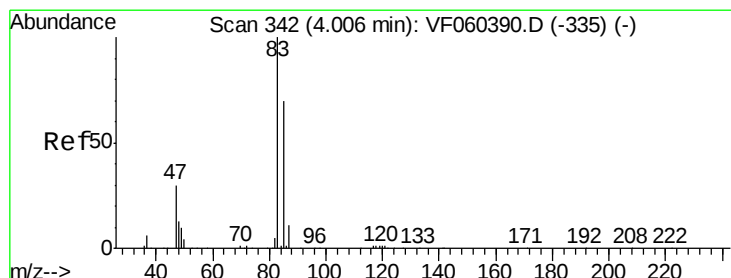
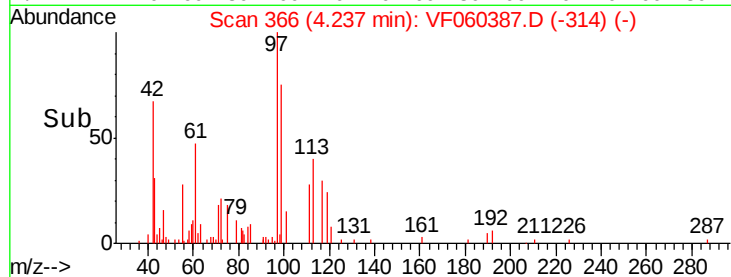
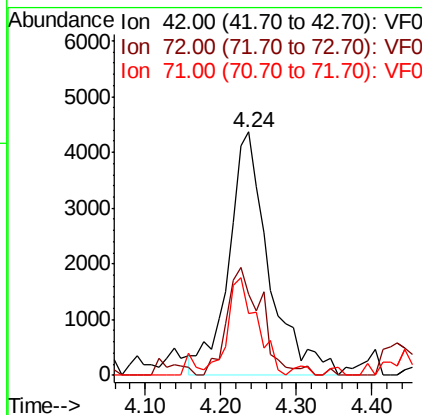
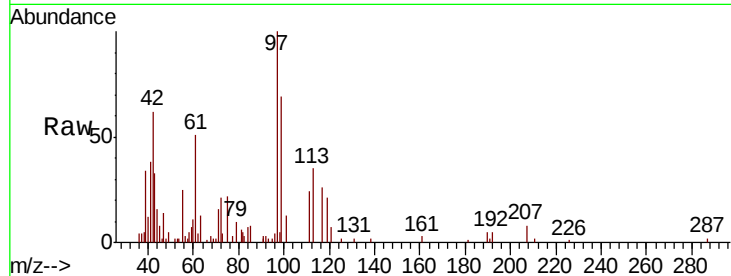
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	16075
Ion Ratio	Lower	Upper	
42	100		
72	38.3	33.6	50.4
71	28.8	32.7	49.1#

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#30

Chloroform

Concen: 5.344 ug/l

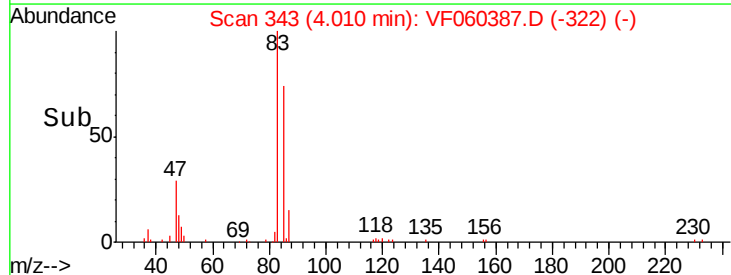
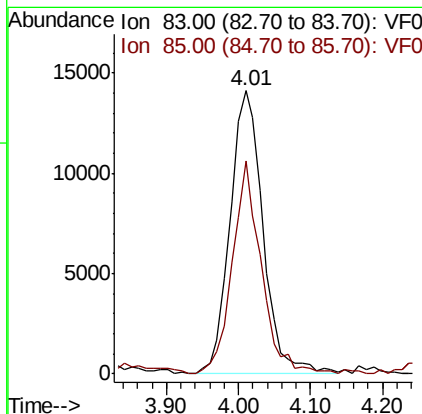
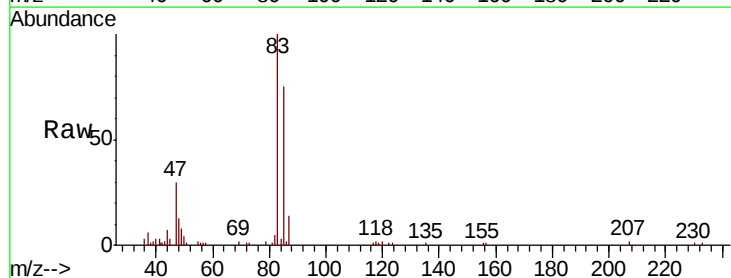
RT: 4.01 min Scan# 343

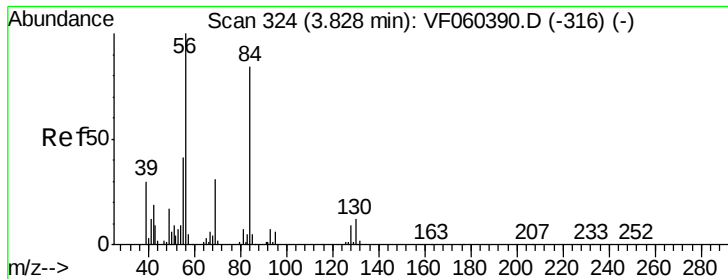
Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion:	83	Resp:	45100
Ion Ratio	Lower	Upper	
83	100		
85	75.2	55.9	83.9





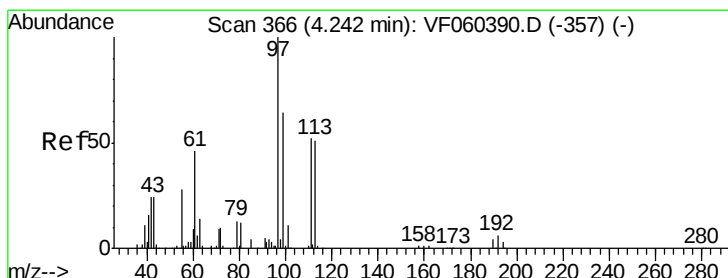
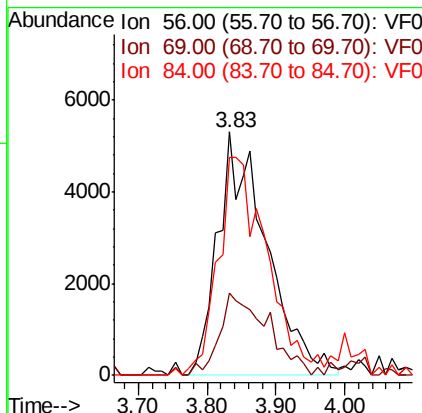
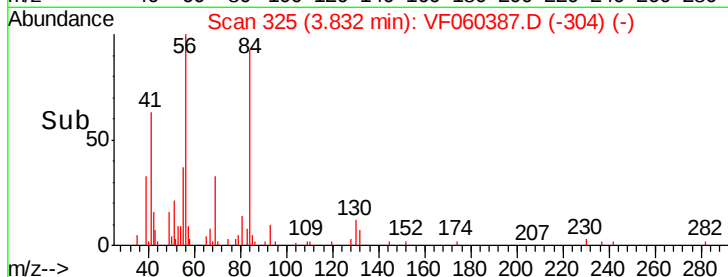
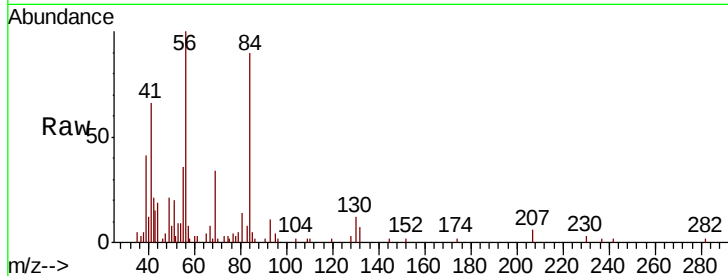
#31
Cyclohexane
Concen: 4.495 ug/l
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	25.5	38.3
84	89.5	67.4	101.0

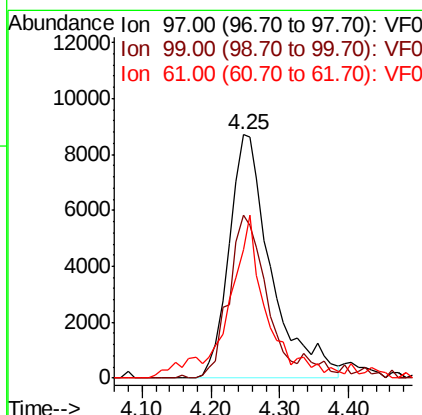
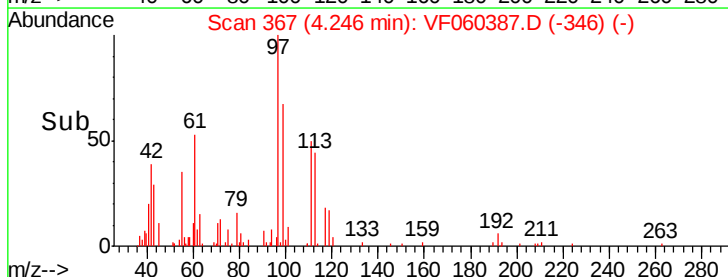
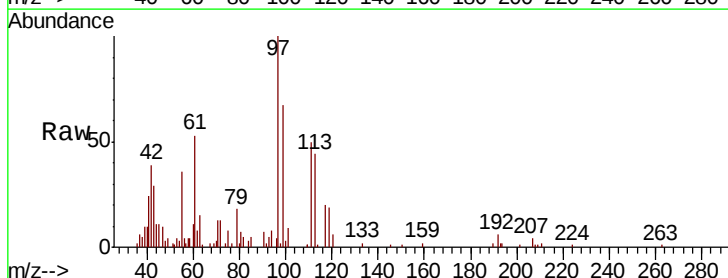
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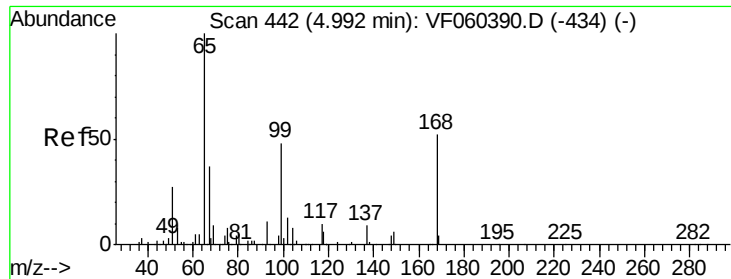
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#32
1,1,1-Trichloroethane
Concen: 5.473 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.0	76.4
61	52.6	37.5	56.3





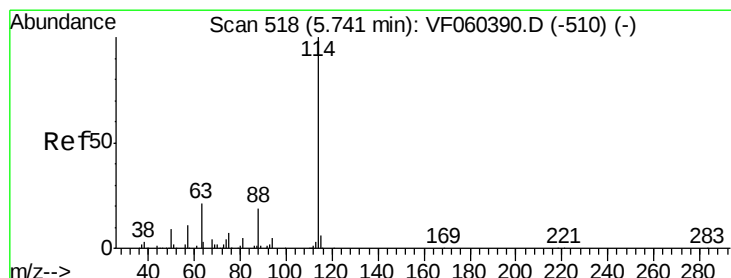
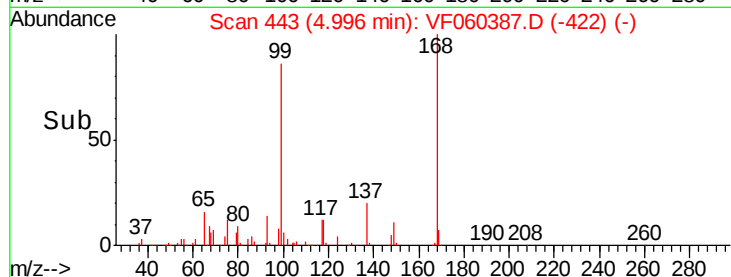
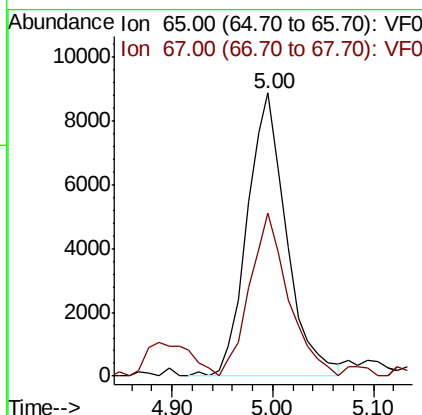
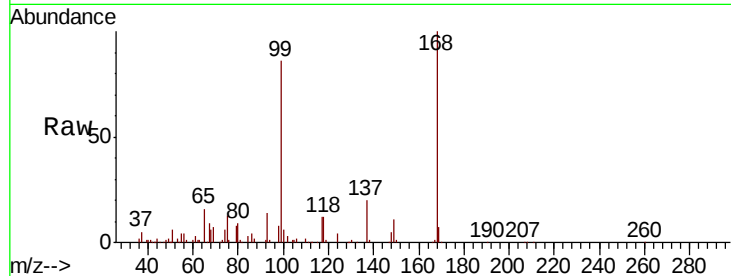
#33
 1,2-Dichloroethane-d4
 Concen: 6.014 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.8	0.0	89.4

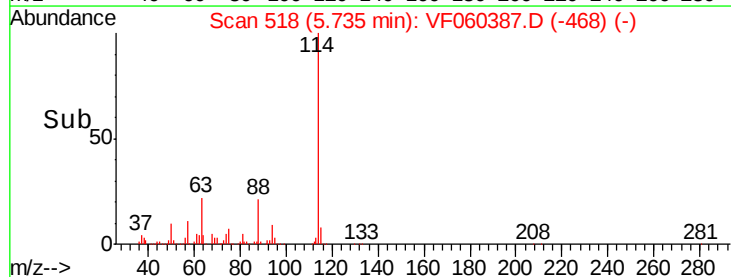
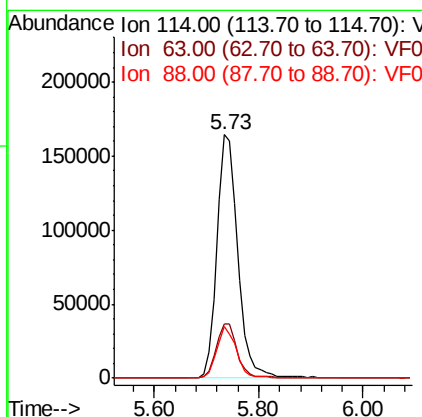
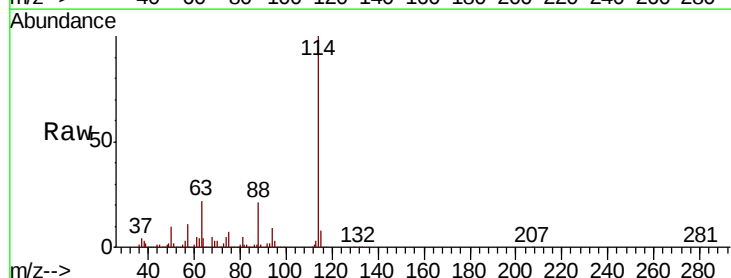
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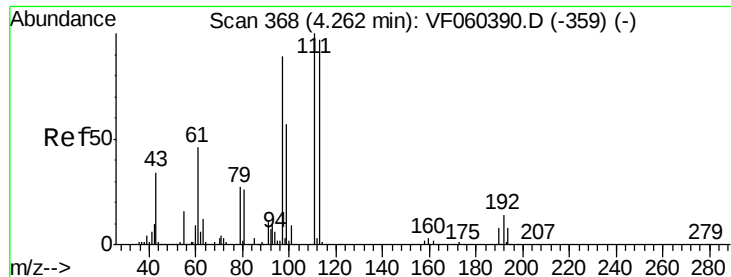
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 518
 Delta R.T. -0.01 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	42.2
88	21.0	0.0	38.8





#35

Dibromofluoromethane

Concen: 5.448 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

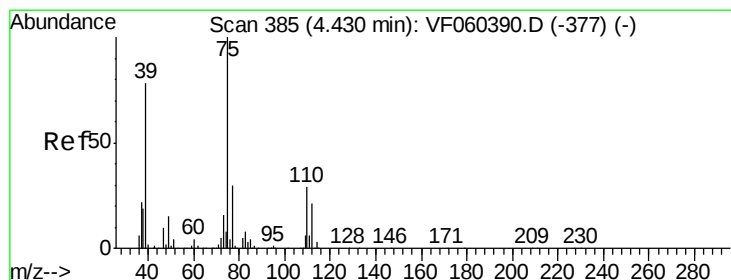
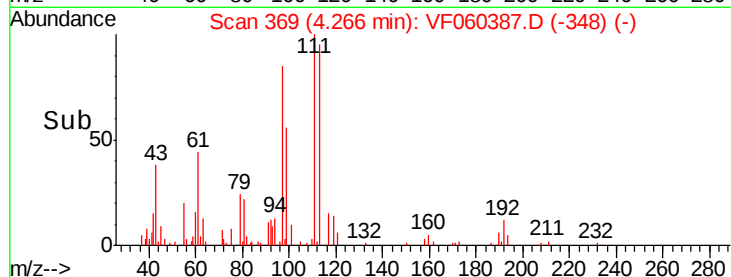
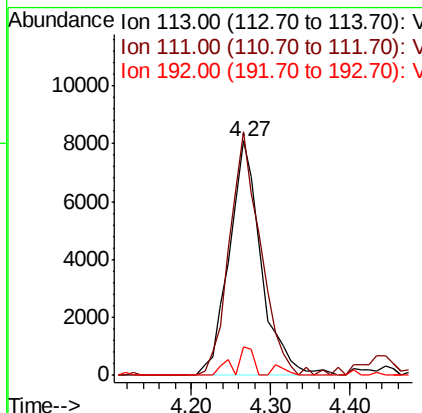
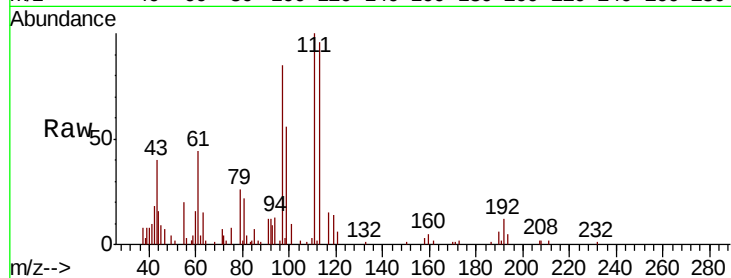
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	22829
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.3	123.5
192	12.4	11.8	17.6

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#36

1,1-Dichloropropene

Concen: 4.890 ug/l

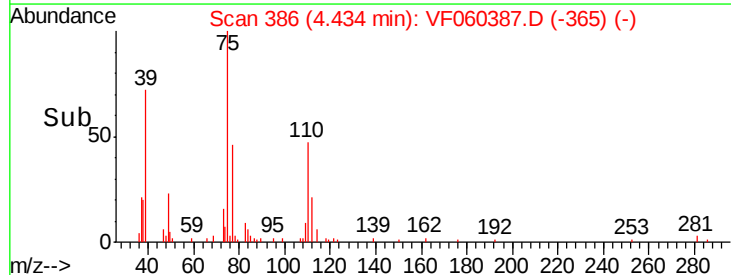
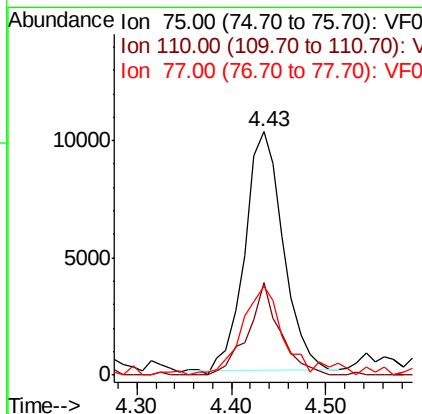
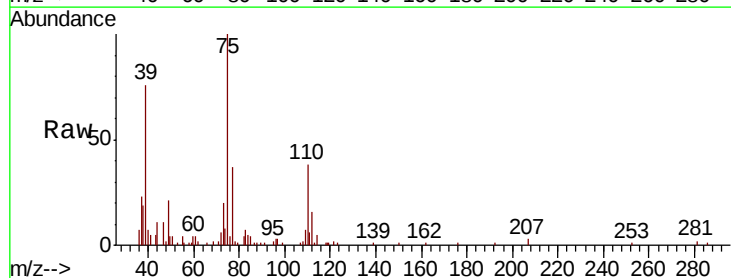
RT: 4.43 min Scan# 386

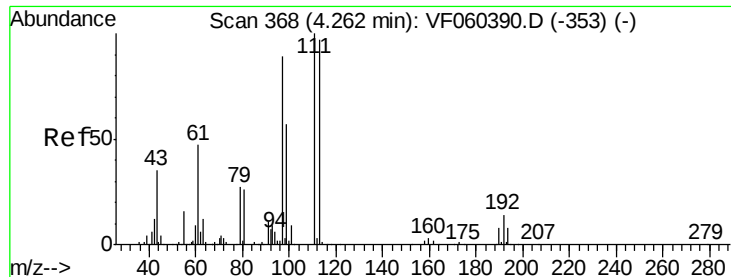
Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion:	75	Resp:	28356
Ion	Ratio	Lower	Upper
75	100		
110	38.2	14.5	43.6
77	36.7	24.3	36.5#





#37

Ethyl Acetate

Concen: 4.803 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

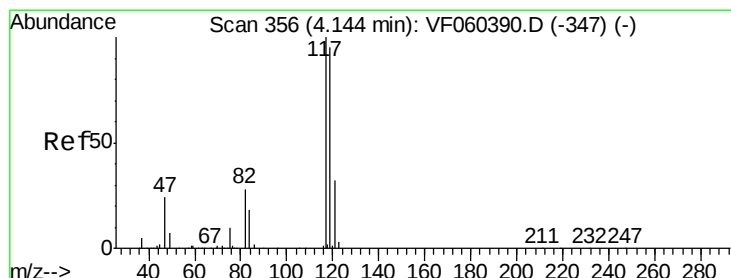
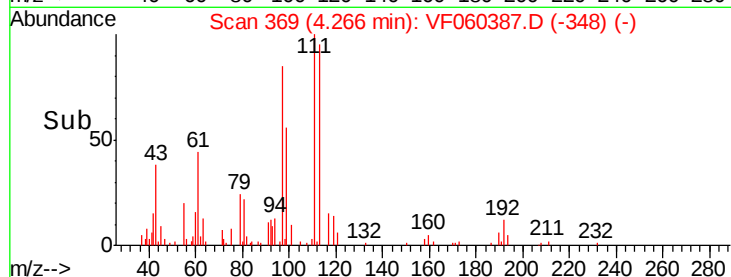
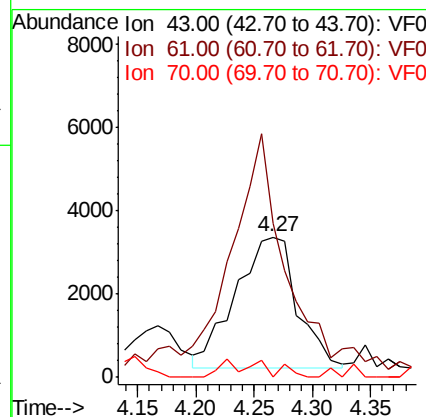
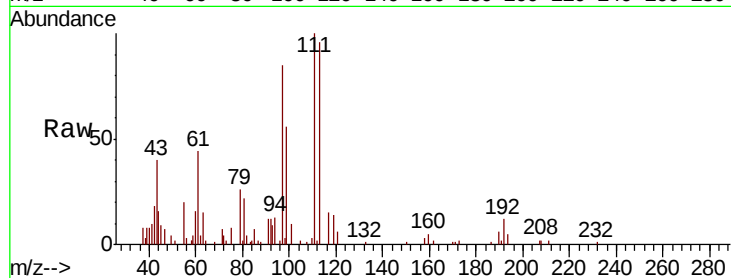
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	11508
Ion Ratio	Lower	Upper	
43	100		
61	109.8	105.1	157.7
70	0.0	8.0	12.0#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 5.412 ug/l

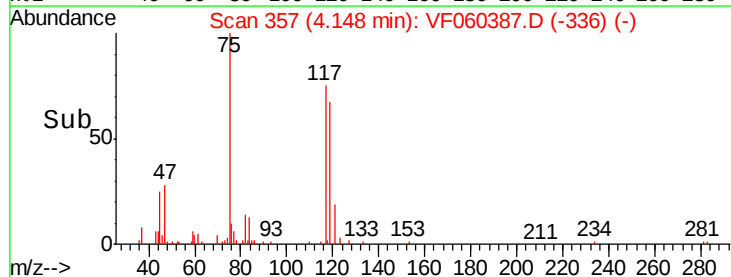
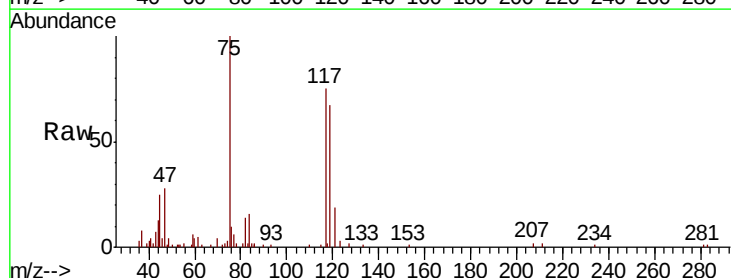
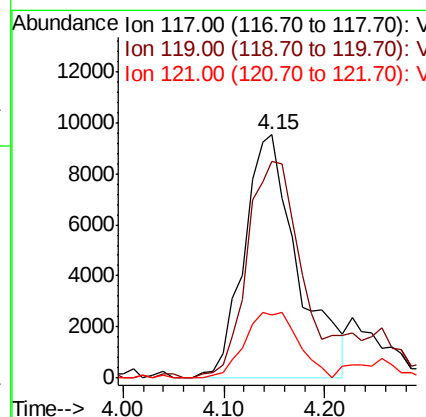
RT: 4.15 min Scan# 357

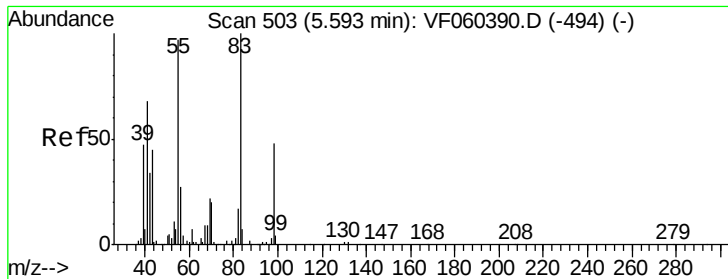
Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion:	117	Resp:	35325
Ion Ratio	Lower	Upper	
117	100		
119	89.1	75.5	113.3
121	25.8	25.4	38.0





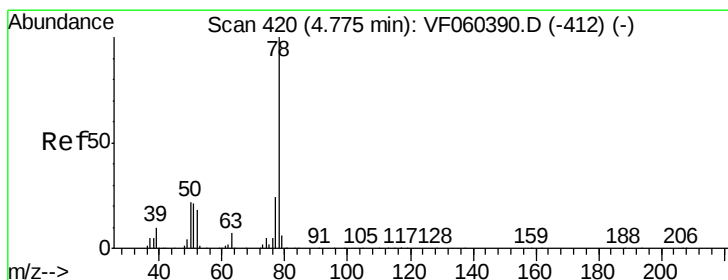
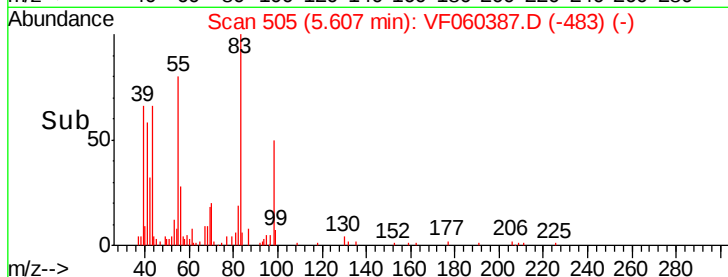
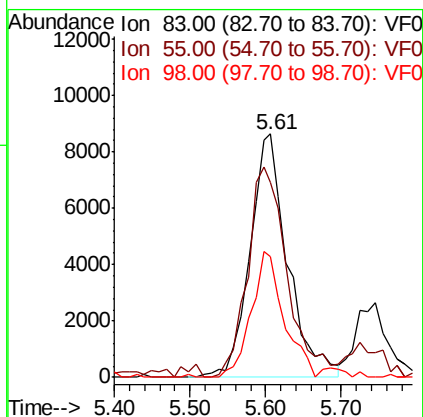
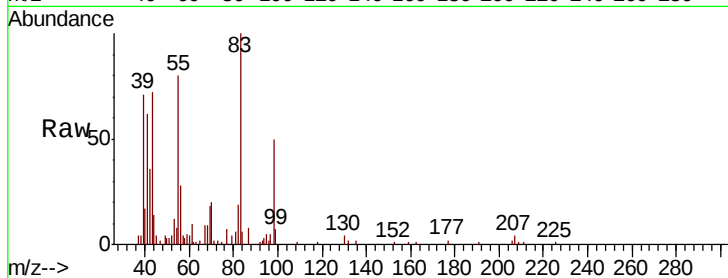
#39
Methylcyclohexane
Concen: 4.917 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:	83	Resp:	29957
Ion	Ratio	Lower	Upper
83	100		
55	80.2	77.5	116.3
98	49.7	38.7	58.1

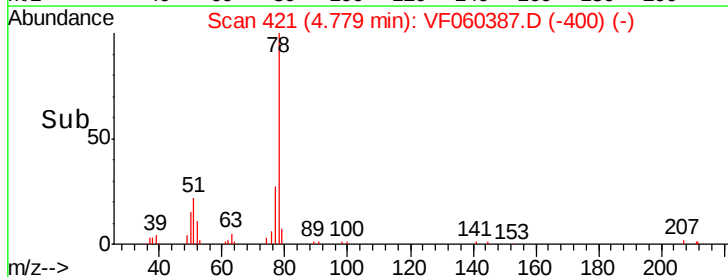
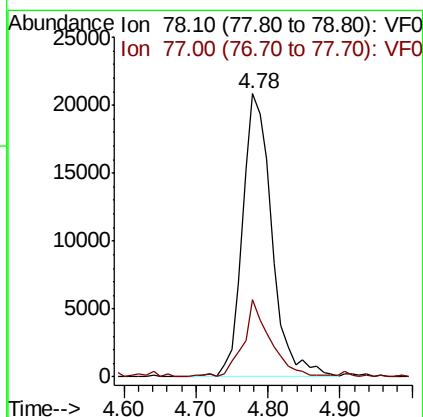
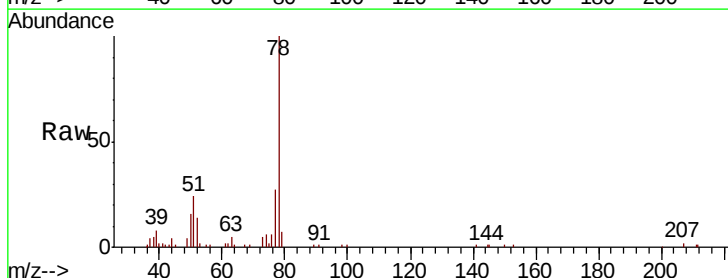
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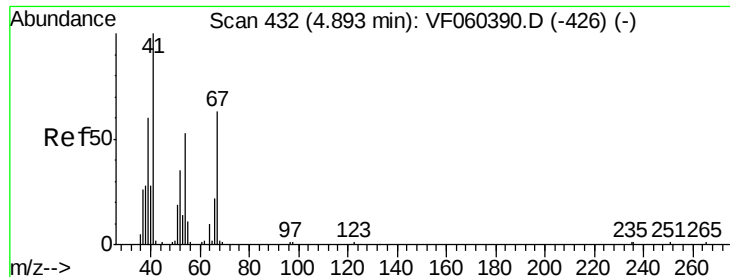
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#40
Benzene
Concen: 4.644 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion:	78	Resp:	59232
Ion	Ratio	Lower	Upper
78	100		
77	27.3	19.2	28.8





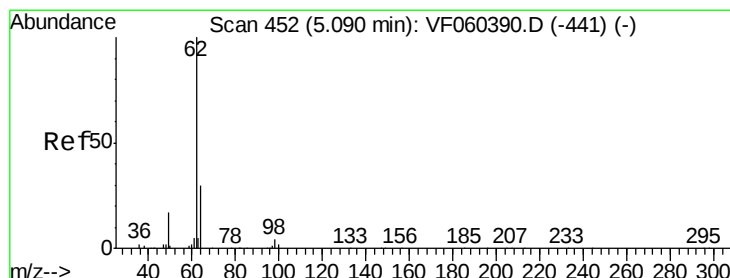
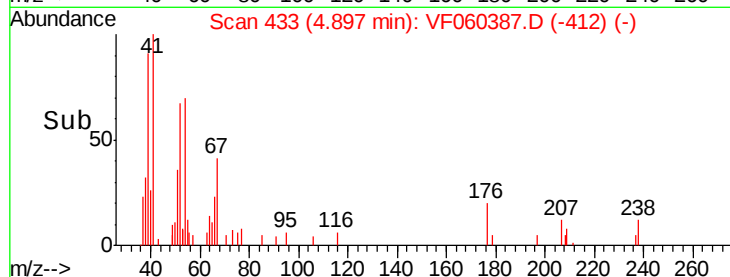
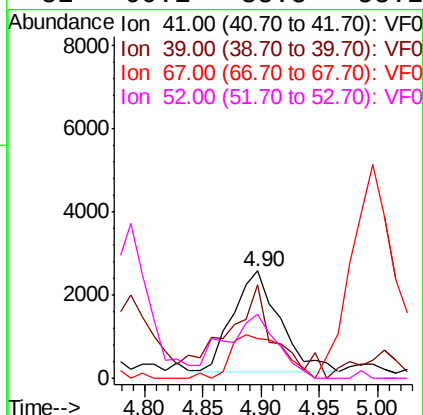
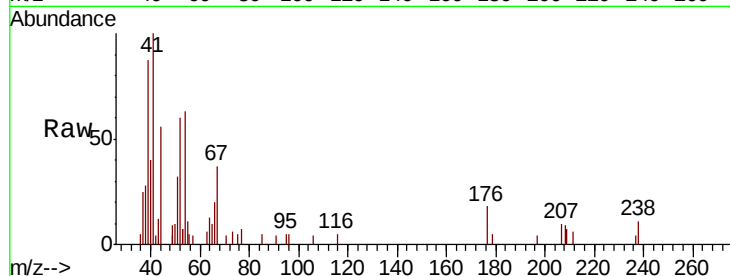
#41
Methacrylonitrile
Concen: 5.366 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	86.5	55.0	82.4#
67	37.0	49.6	74.4#
52	60.1	38.8	58.2#

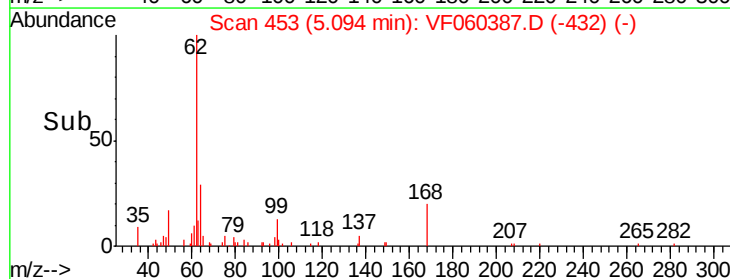
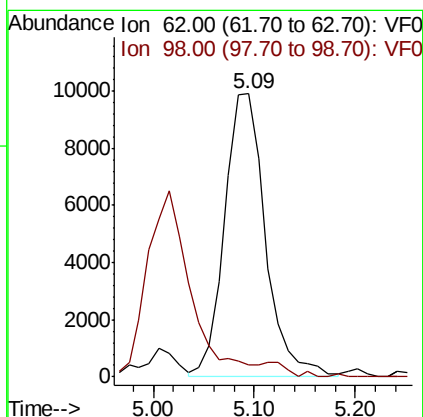
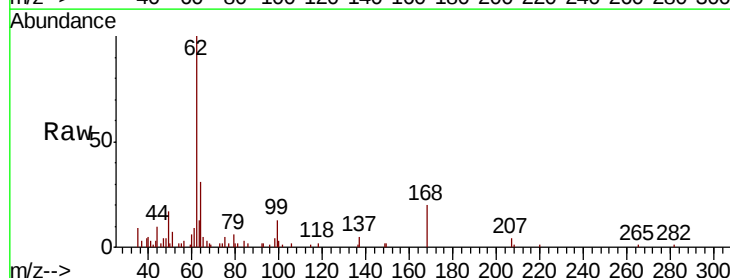
Manual Integrations
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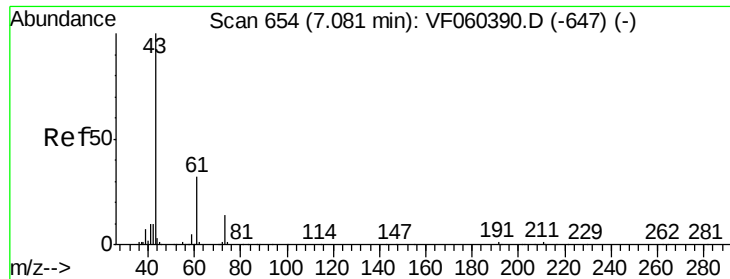
apatel
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#42
1,2-Dichloroethane
Concen: 5.672 ug/l
RT: 5.09 min Scan# 453
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	11.2





#43

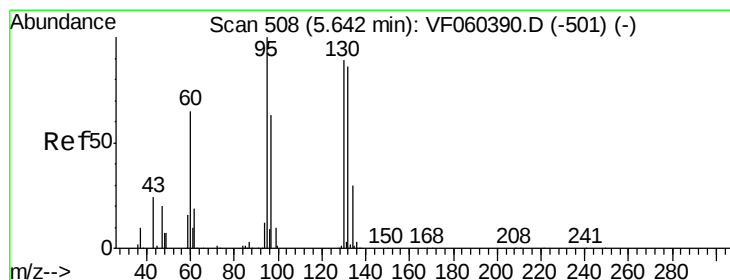
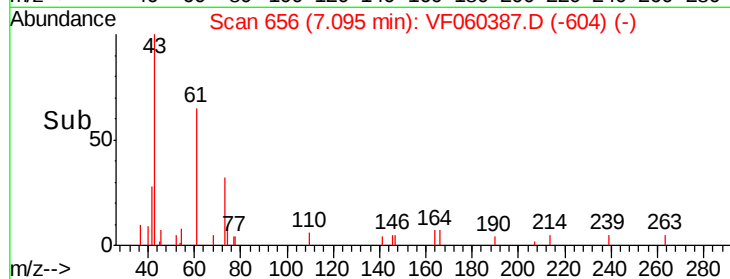
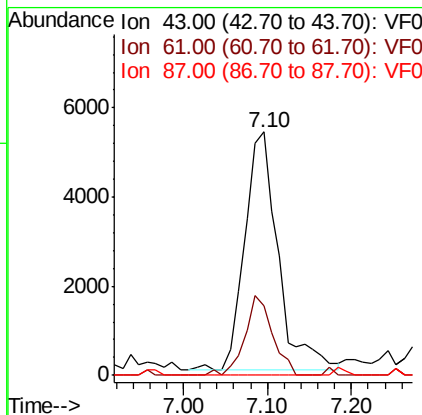
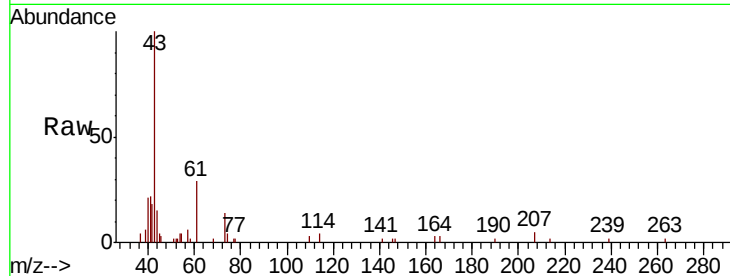
Isopropyl Acetate
 Concen: 5.155 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	25.4	38.2
87	0.0	0.3	0.5

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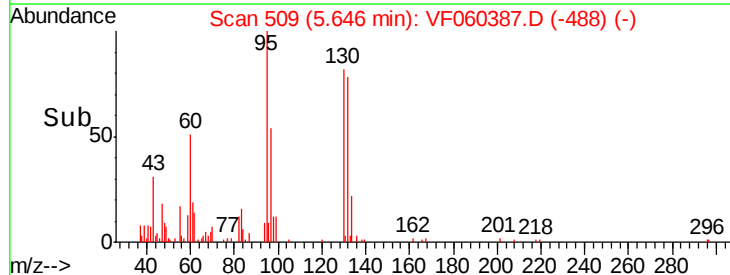
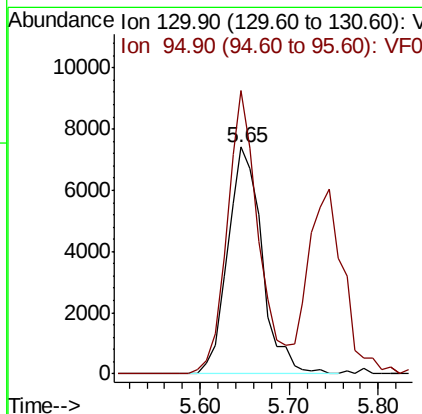
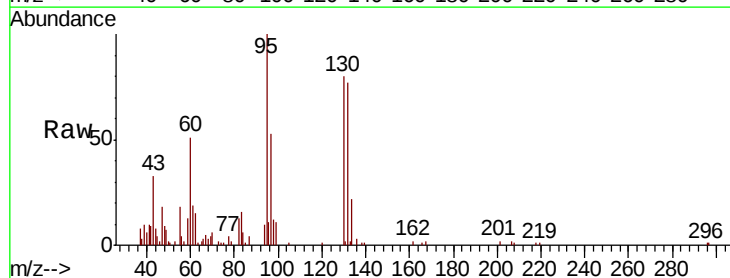
apatel
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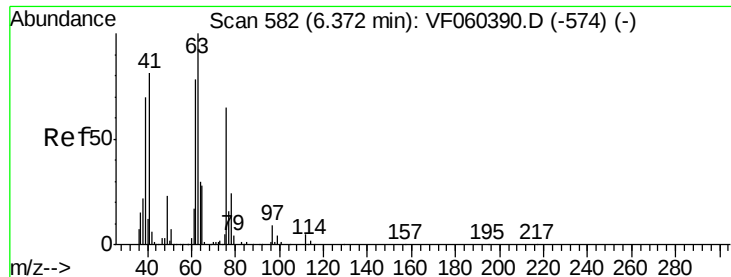


#44

Trichloroethene
 Concen: 5.207 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	125.0	0.0	224.4





#45

1,2-Dichloropropane

Concen: 4.823 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 16026

Ion Ratio Lower Upper

63 100

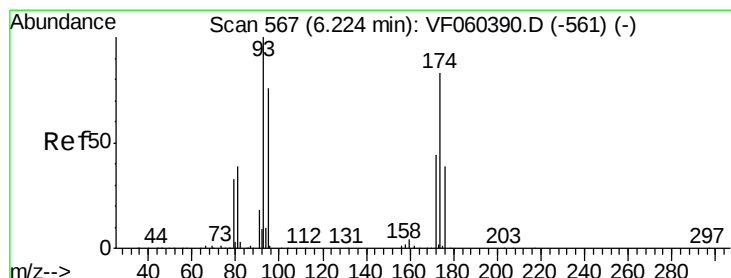
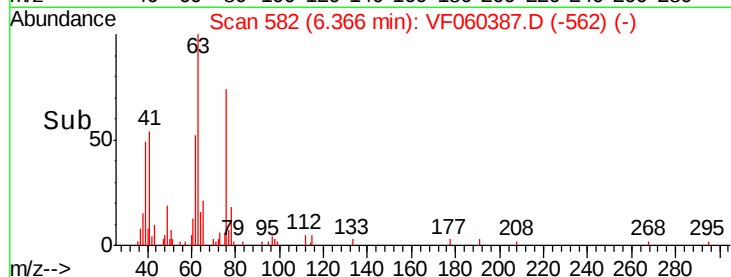
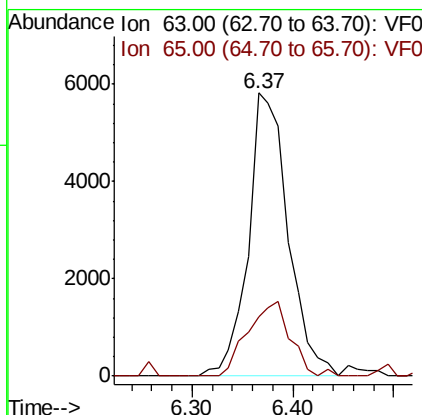
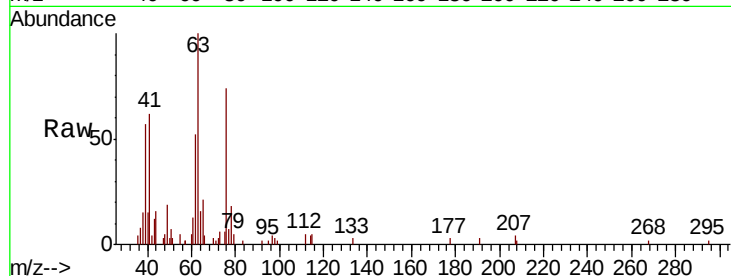
65 21.1 22.7 34.1#

Manual Integrations

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#46

Dibromomethane

Concen: 5.326 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

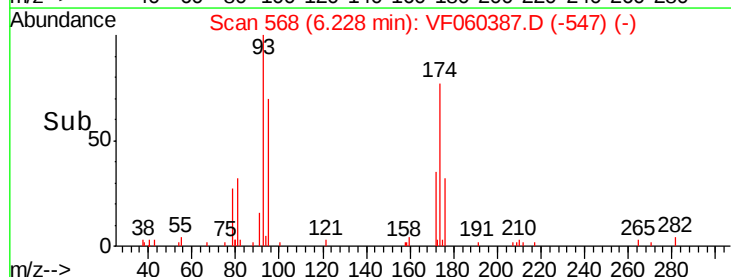
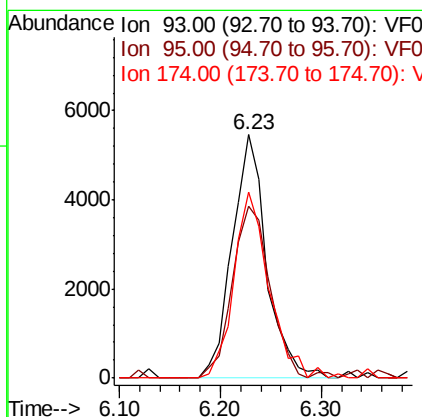
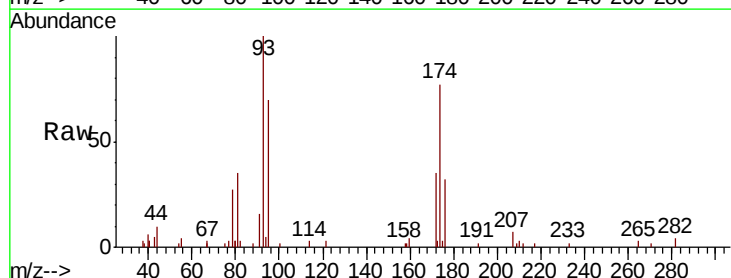
Tgt Ion: 93 Resp: 12928

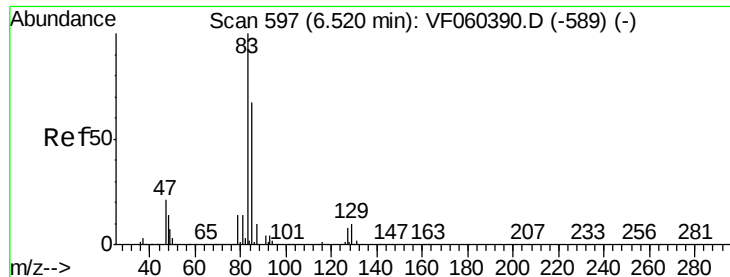
Ion Ratio Lower Upper

93 100

95 70.4 61.1 91.7

174 76.6 66.7 100.1





#47

Bromodichloromethane

Concen: 5.619 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

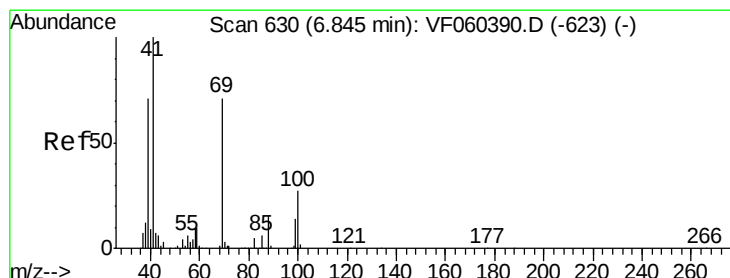
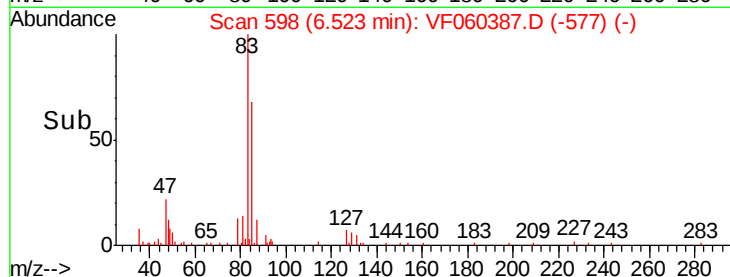
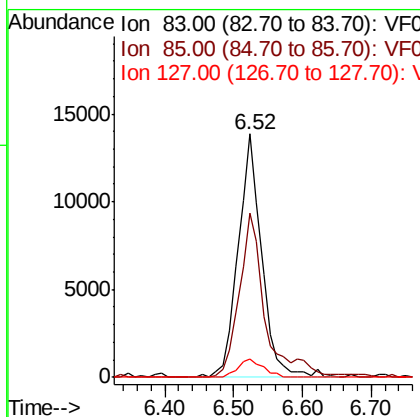
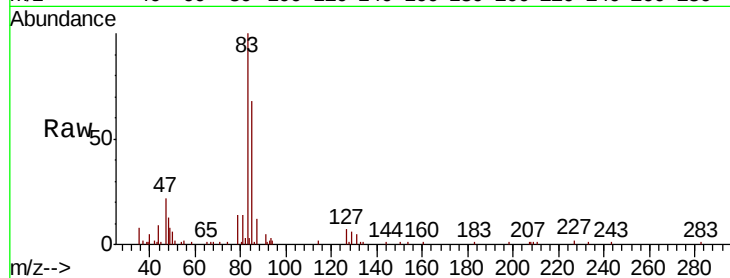
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	32933
Ion Ratio	Lower	Upper	
83	100		
85	65.7	53.2	79.8
127	8.1	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.794 ug/l m

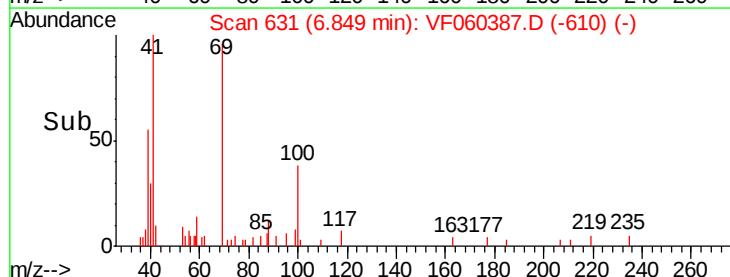
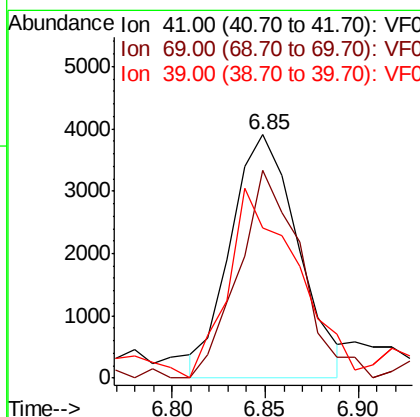
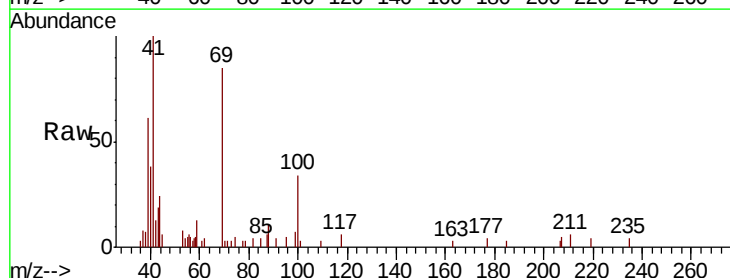
RT: 6.85 min Scan# 631

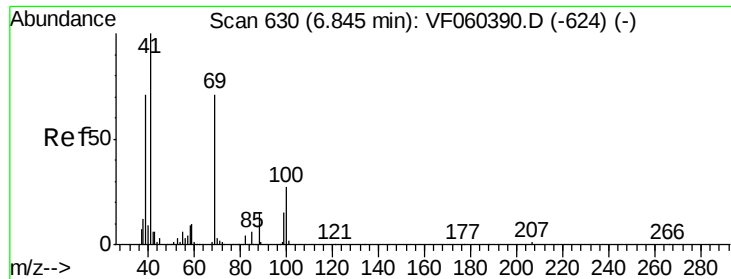
Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion:	41	Resp:	9846
Ion Ratio	Lower	Upper	
41	100		
69	85.4	56.3	84.5#
39	61.5	56.9	85.3





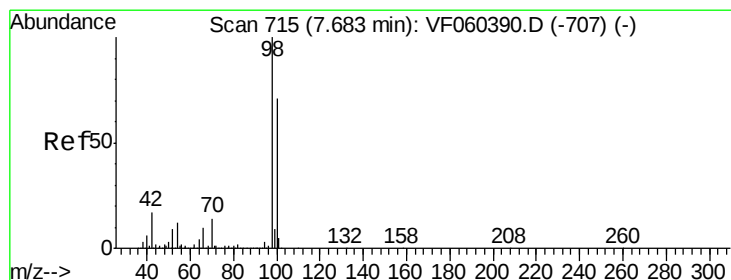
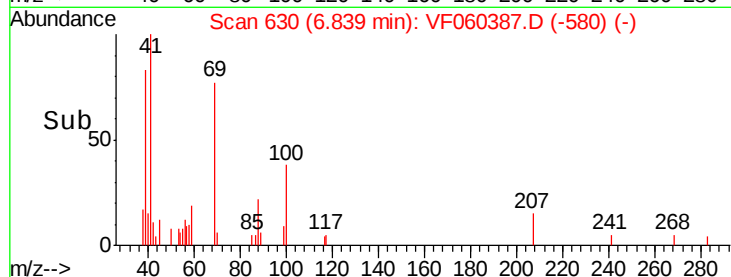
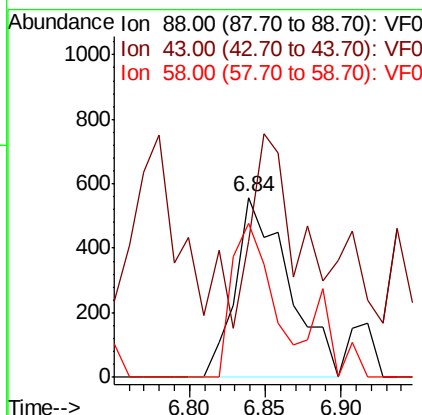
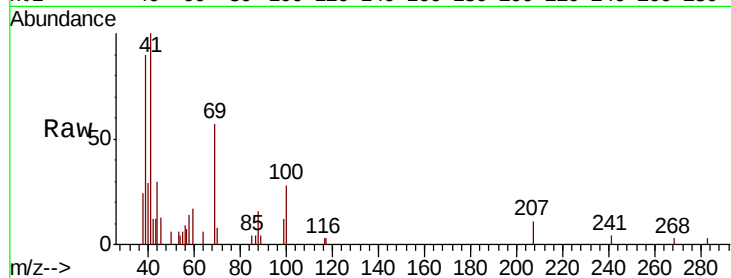
#49
1,4-Dioxane
Concen: 74.995 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	75.8	38.3	57.5#
58	85.8	47.4	71.2#

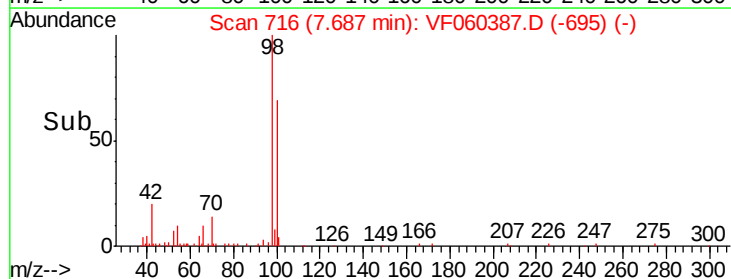
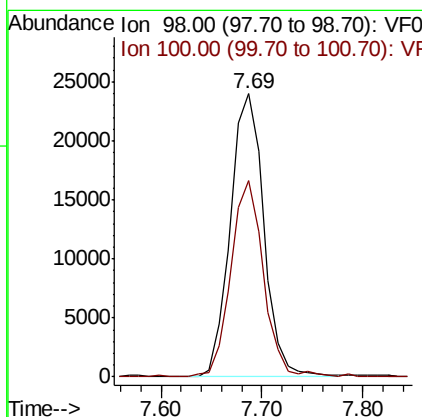
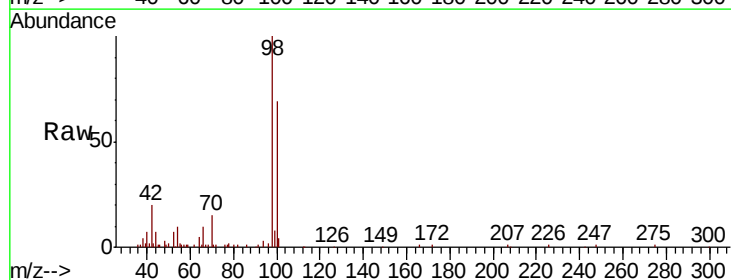
Manual Integrations
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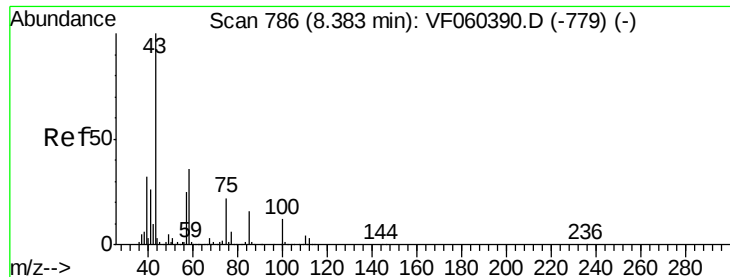
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#50
Toluene-d8
Concen: 5.152 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.5	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 26.518 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 57479

Ion Ratio Lower Upper

43 100

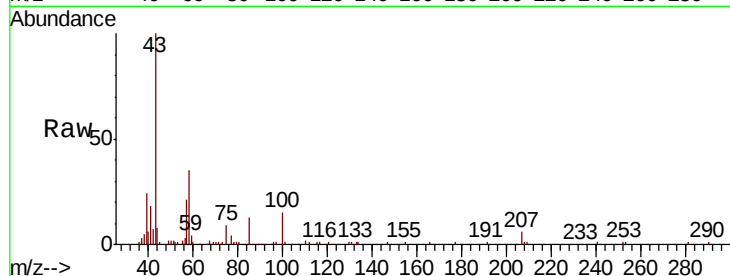
58 35.4 28.5 42.7

Manual Integrations

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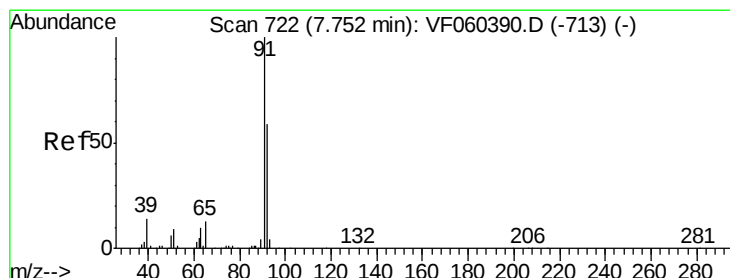
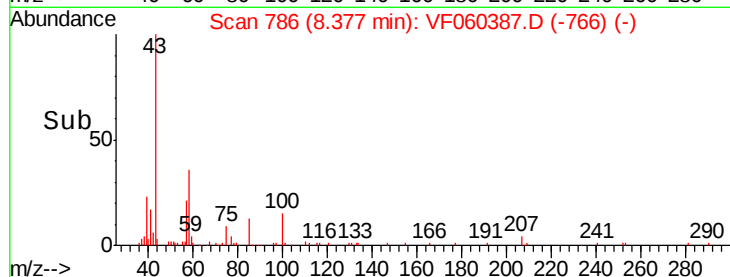
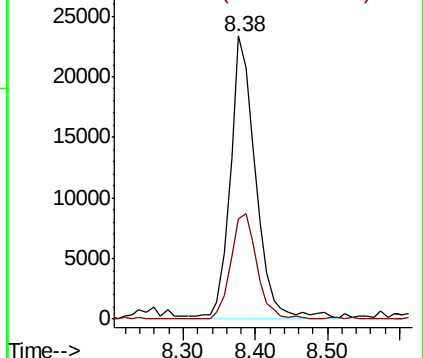
apatel

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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: 5.236 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060387.D

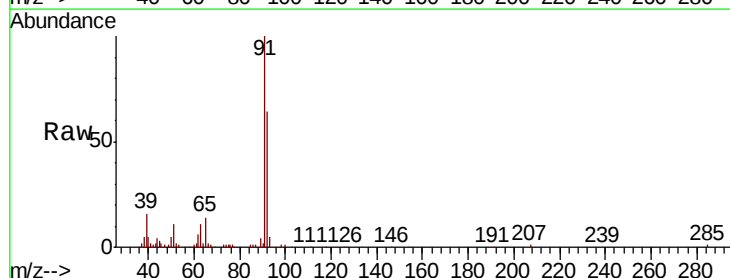
Acq: 1 Oct 2018 16:50

Tgt Ion: 92 Resp: 42613

Ion Ratio Lower Upper

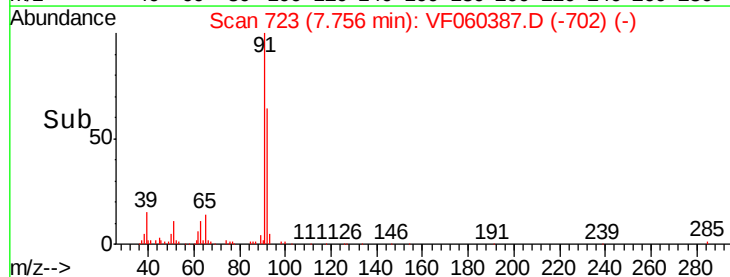
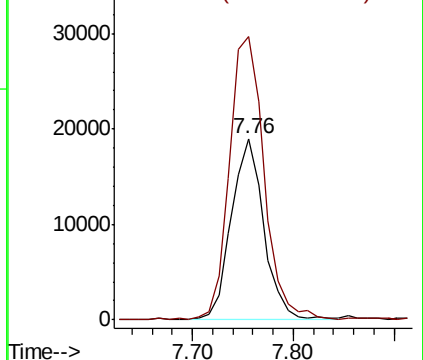
92 100

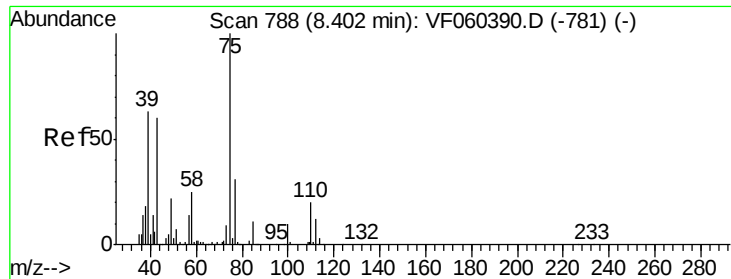
91 156.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





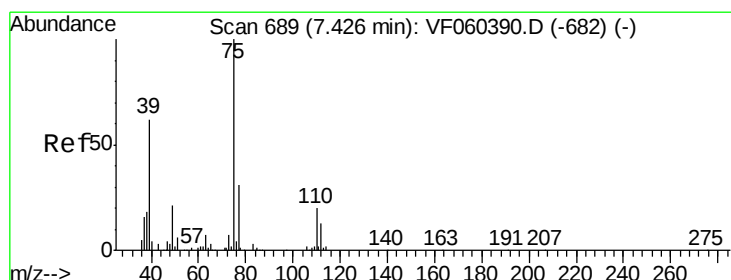
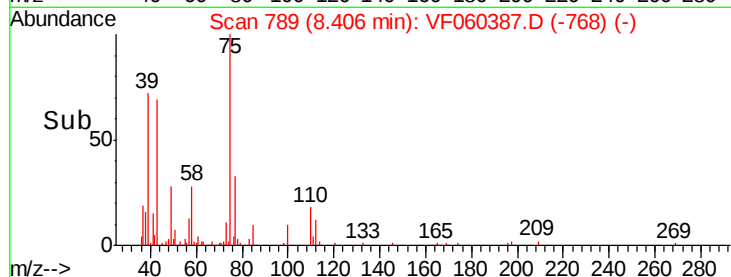
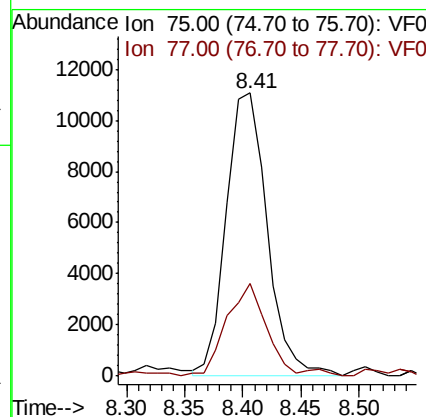
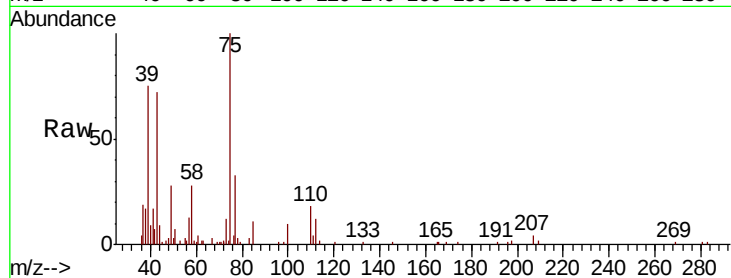
#53
t-1,3-Dichloropropene
Concen: 5.805 ug/l
RT: 8.41 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	75	Resp	27121
Ion Ratio	Lower	Upper	
75	100		
77	32.7	24.6	36.8

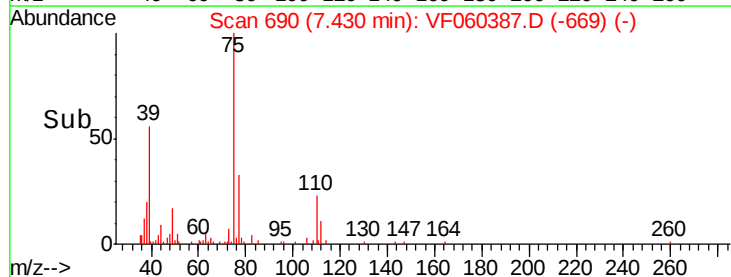
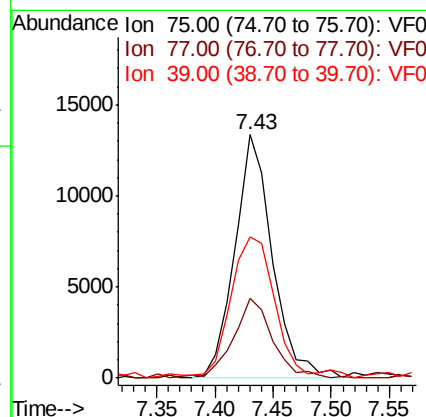
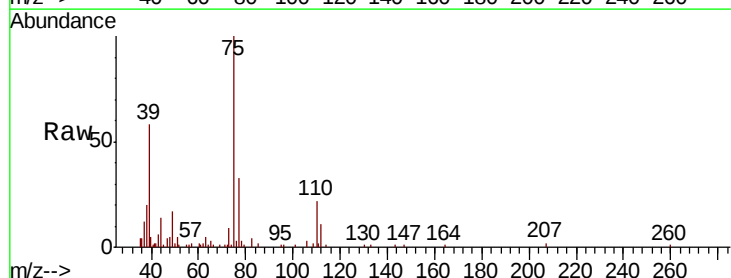
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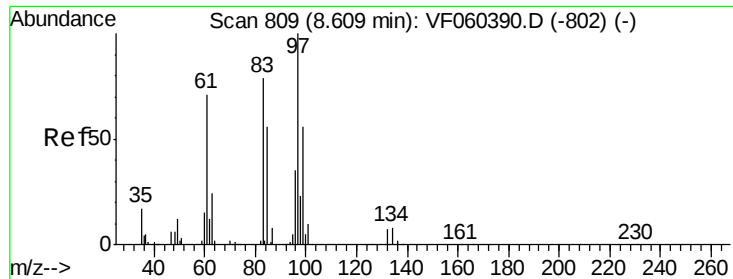
apatel
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#54
cis-1,3-Dichloropropene
Concen: 5.099 ug/l
RT: 7.43 min Scan# 690
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion	75	Resp	29891
Ion Ratio	Lower	Upper	
75	100		
77	32.6	25.2	37.8
39	58.1	49.7	74.5





#55

1,1,2-Trichloroethane

Concen: 5.429 ug/l

RT: 8.61 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

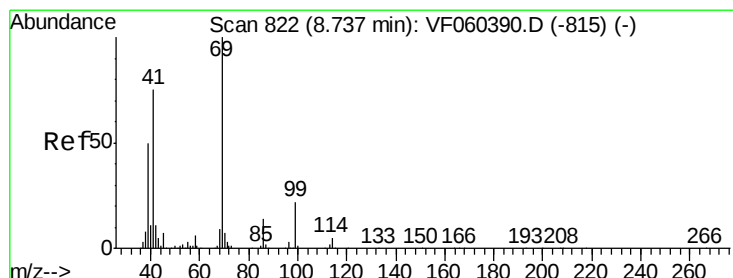
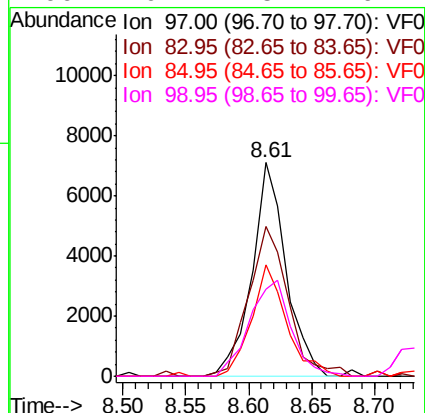
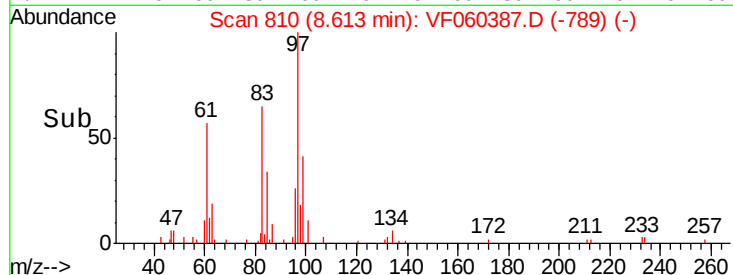
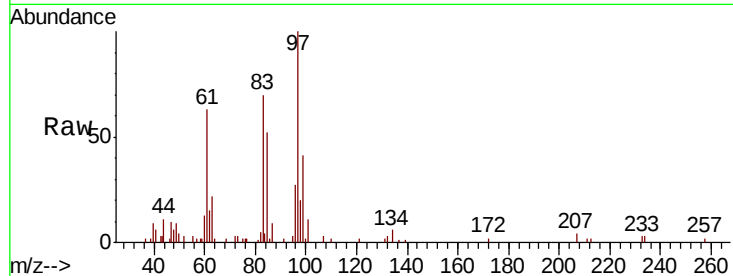
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	13406
Ion Ratio	Lower	Upper	
97	100		
83	69.9	63.4	95.0
85	52.1	44.5	66.7
99	40.7	45.1	67.7#

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#56

Ethyl methacrylate

Concen: 5.006 ug/l

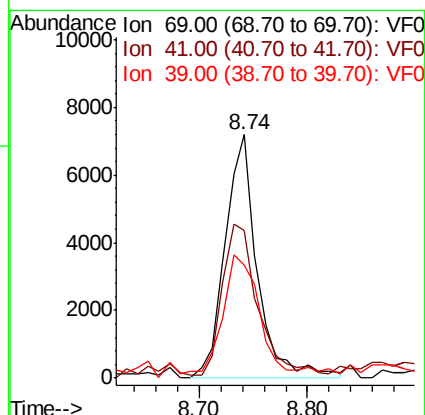
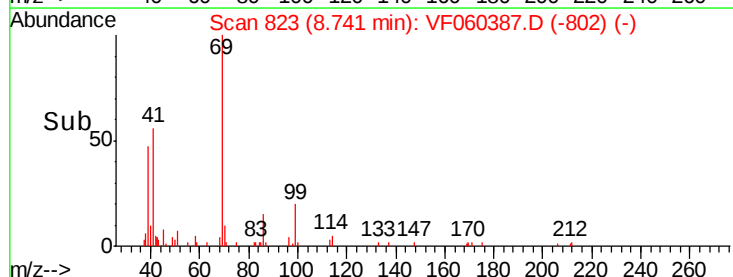
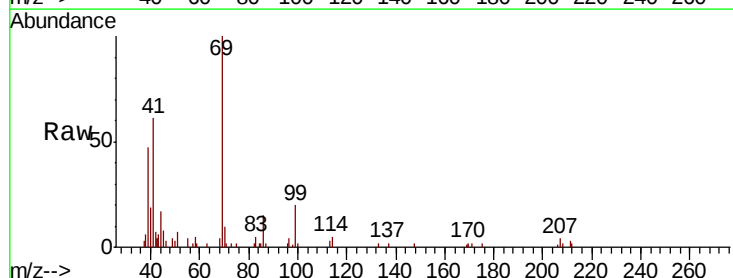
RT: 8.74 min Scan# 823

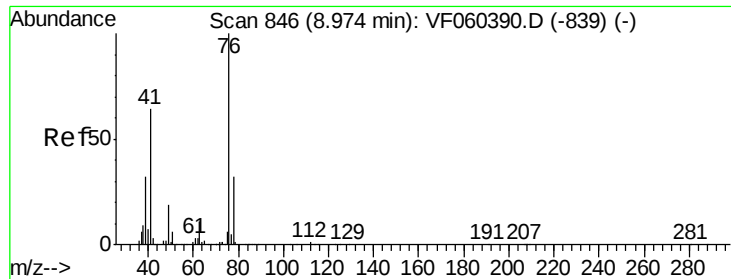
Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion:	69	Resp:	14945
Ion Ratio	Lower	Upper	
69	100		
41	60.8	60.2	90.4
39	46.6	40.2	60.2





#57

1,3-Dichloropropane

Concen: 5.413 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 22226

Ion Ratio Lower Upper

76 100

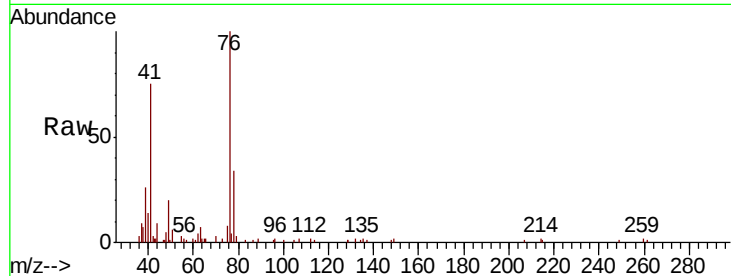
78 33.9 25.3 37.9

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.98

10000

8000

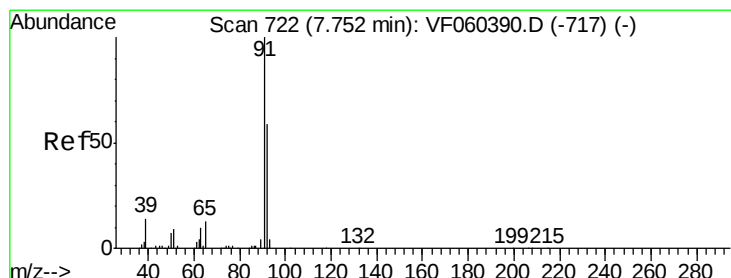
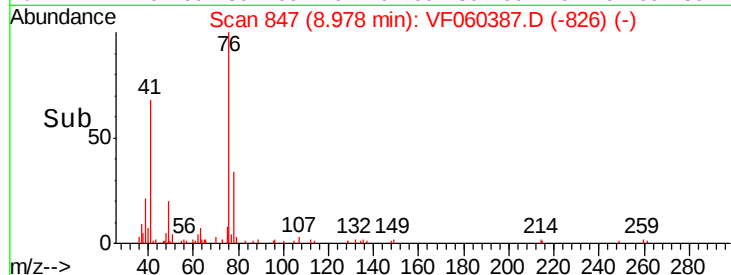
6000

4000

2000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 26.596 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060387.D

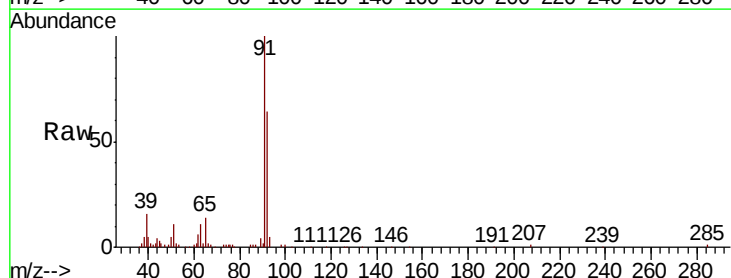
Acq: 1 Oct 2018 16:50

Tgt Ion: 63 Resp: 7197

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.76

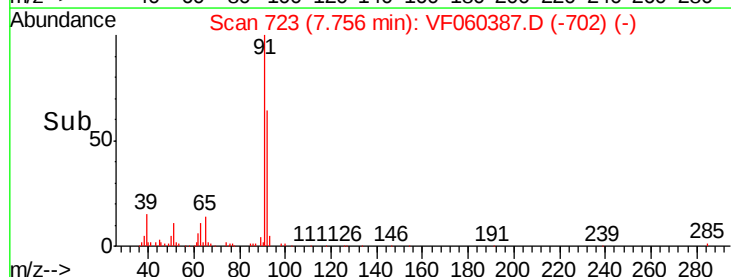
3000

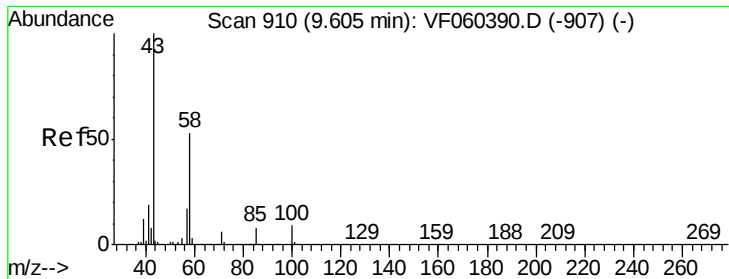
2000

1000

0

Time-->





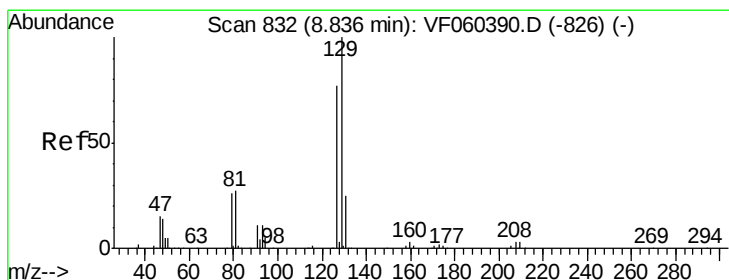
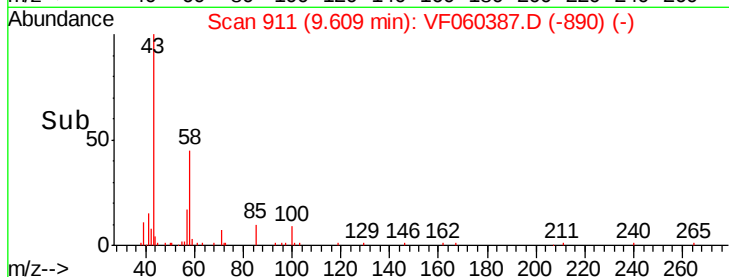
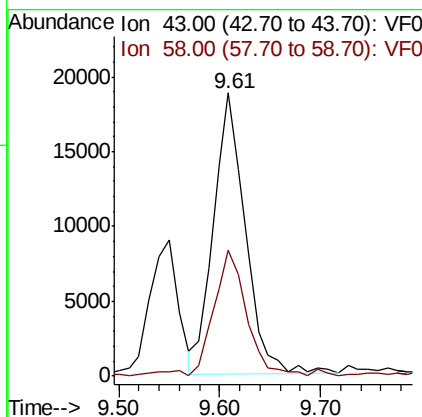
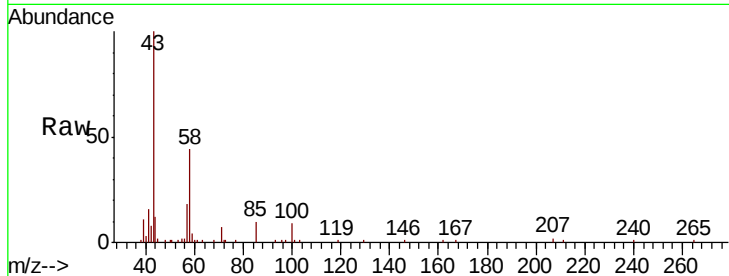
#59
2-Hexanone
Concen: 26.919 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.4	25.6	76.6

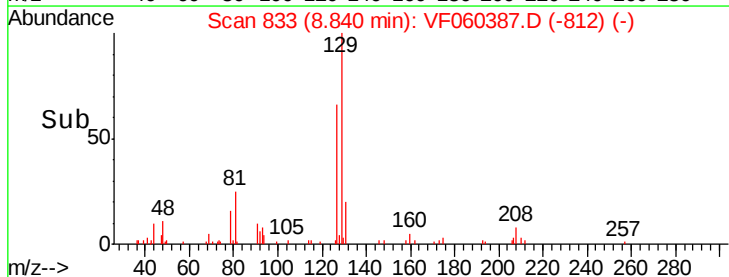
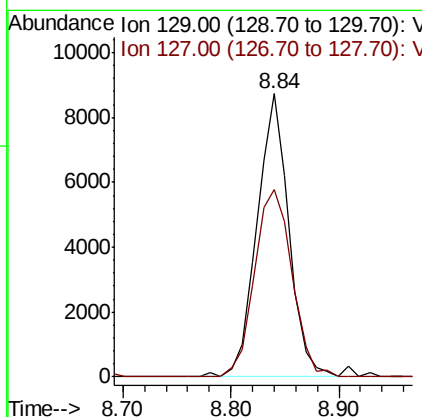
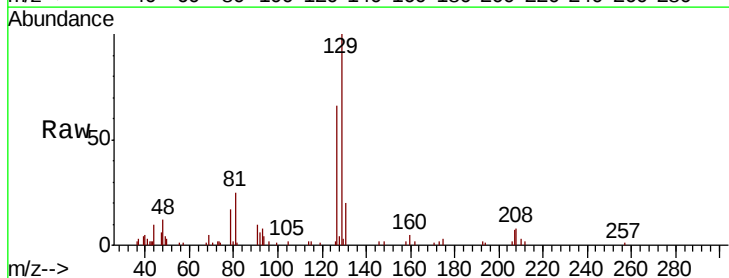
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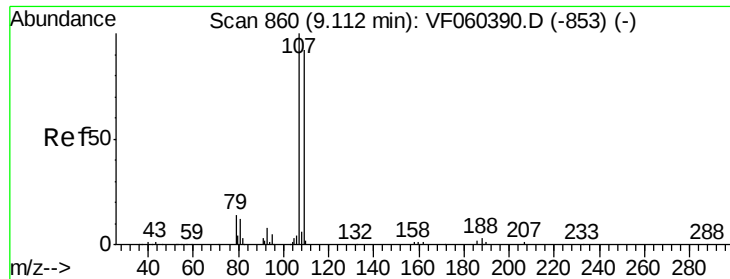
apatel
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#60
Dibromochloromethane
Concen: 4.837 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	66.0	38.3	114.8





#61

1,2-Dibromoethane

Concen: 4.967 ug/l

RT: 9.11 min Scan# 860

Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 13810

Ion Ratio Lower Upper

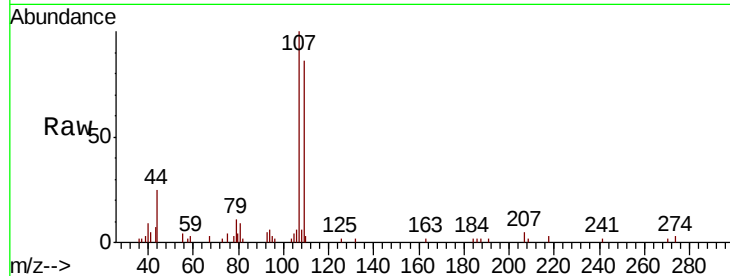
107 100

109 86.2 73.7 110.5

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.11

6000

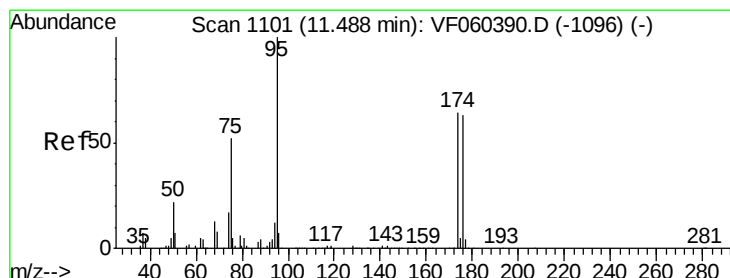
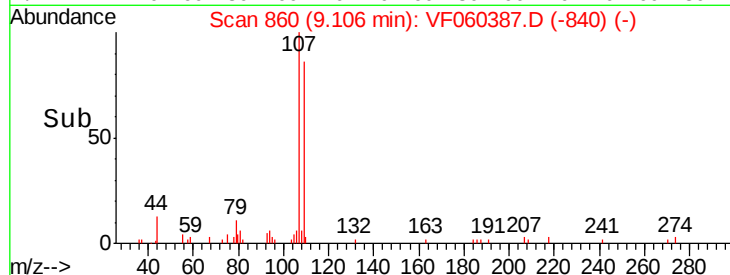
4000

2000

0

Time-->

9.05 9.10 9.15 9.20



#62

4-Bromofluorobenzene

Concen: 5.688 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

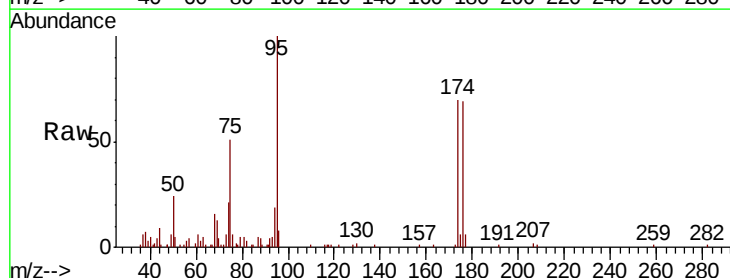
Tgt Ion: 95 Resp: 26673

Ion Ratio Lower Upper

95 100

174 69.7 0.0 129.0

176 68.9 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

20000

15000

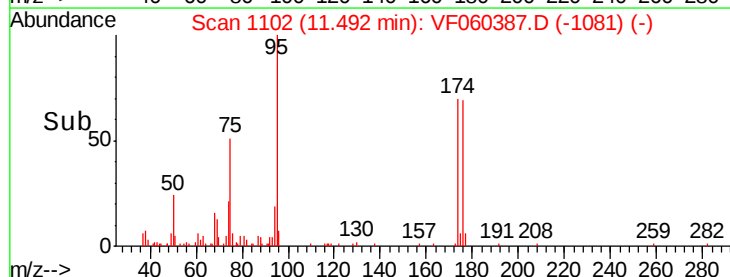
10000

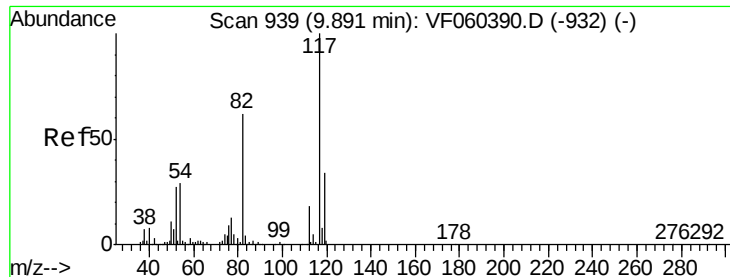
5000

0

Time-->

11.40 11.50





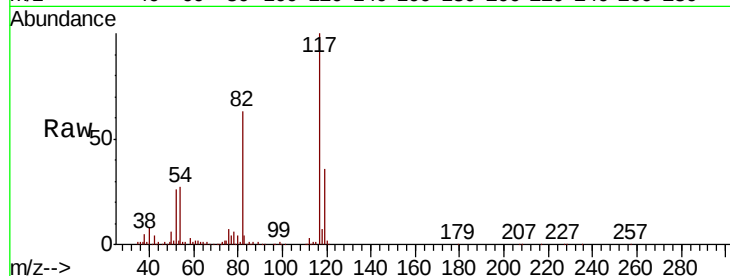
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.5	49.5	74.3
119	35.5	27.0	40.6

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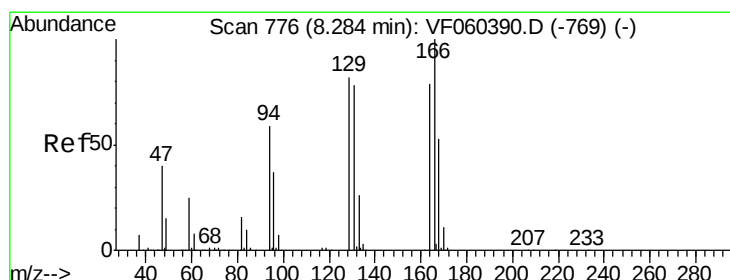
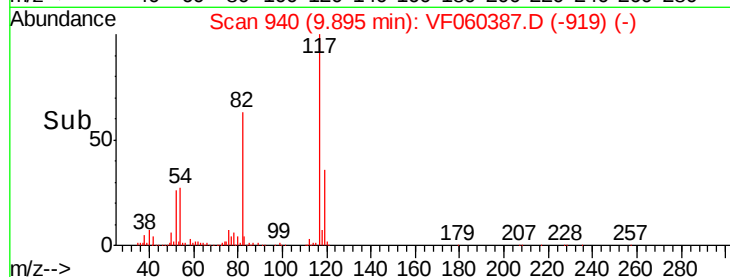
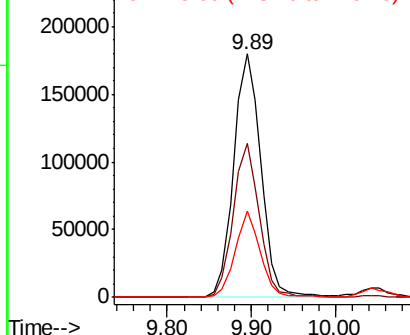


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 5.004 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.7	101.0	151.6
129	93.6	82.5	123.7
131	94.1	79.2	118.8

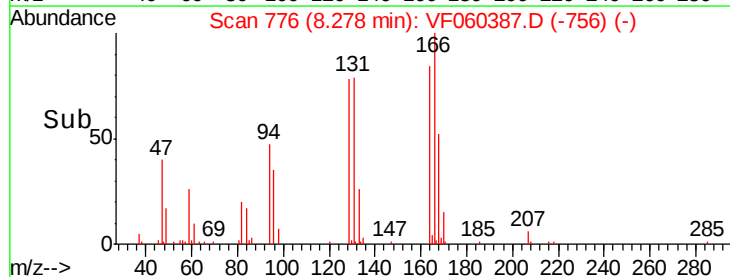
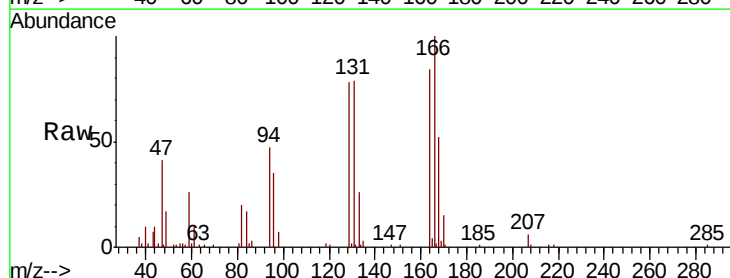
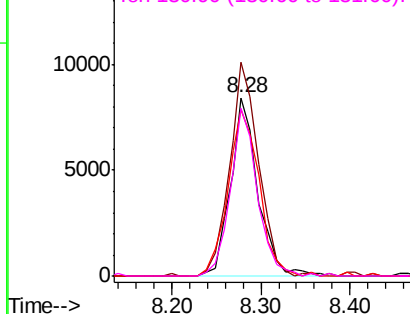
Abundance

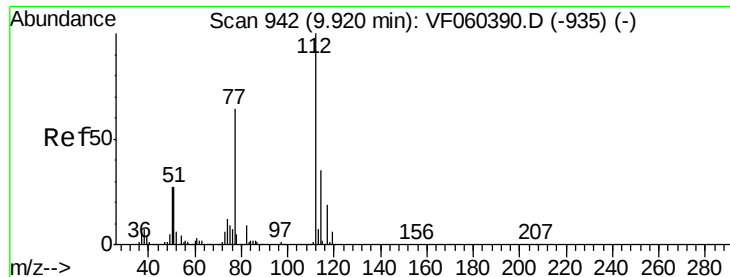
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 4.725 ug/l

RT: 9.91 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 43036

Ion Ratio Lower Upper

112 100

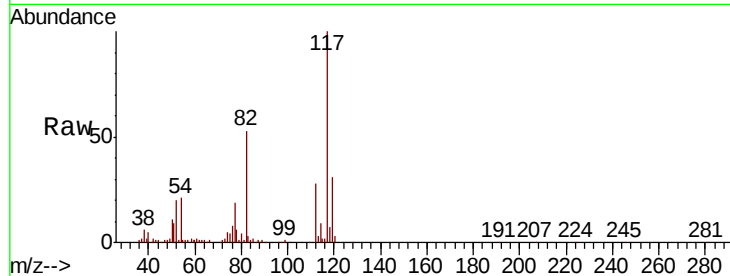
114 33.3 27.7 41.5

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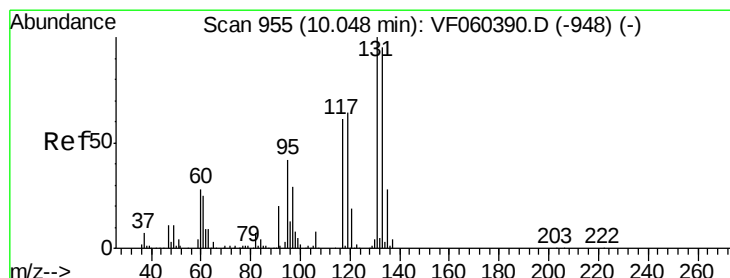
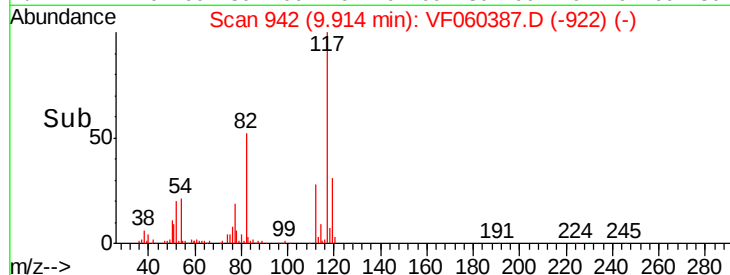
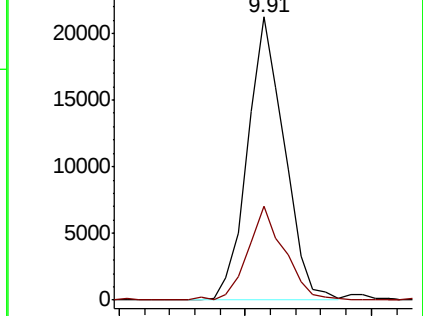
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.997 ug/l

RT: 10.04 min Scan# 955

Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

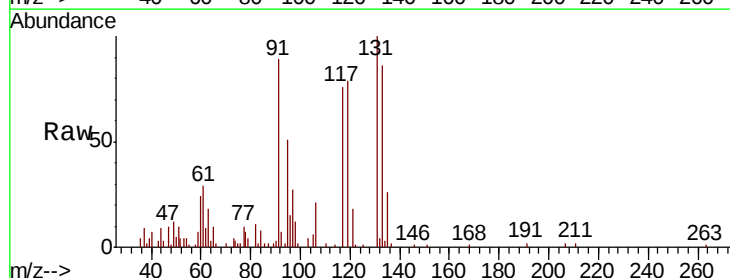
Tgt Ion:131 Resp: 19163

Ion Ratio Lower Upper

131 100

133 82.4 47.3 141.8

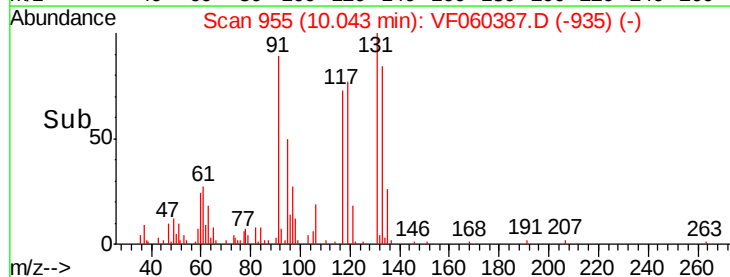
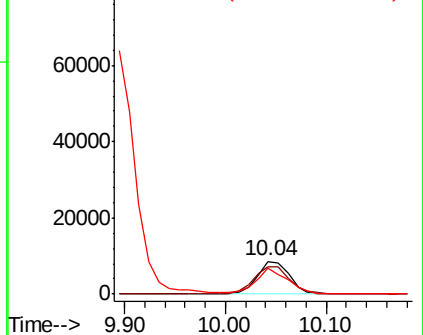
119 75.9 32.3 96.9

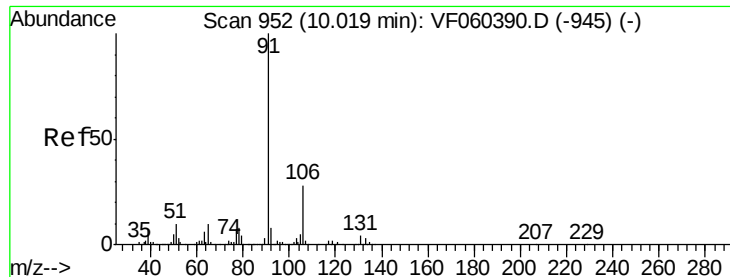


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 5.370 ug/l

RT: 10.01 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 90838

Ion Ratio Lower Upper

91 100

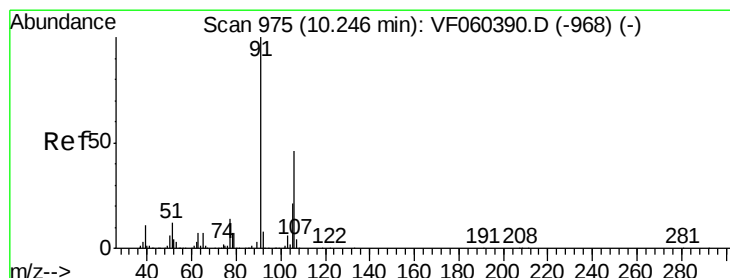
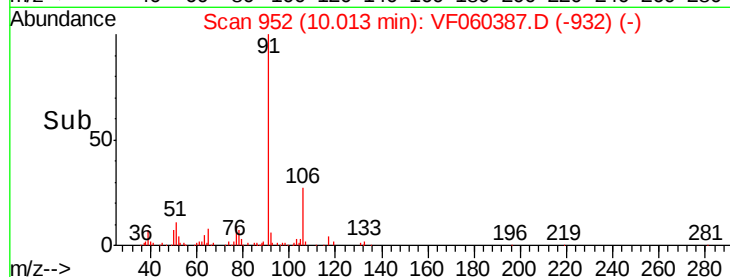
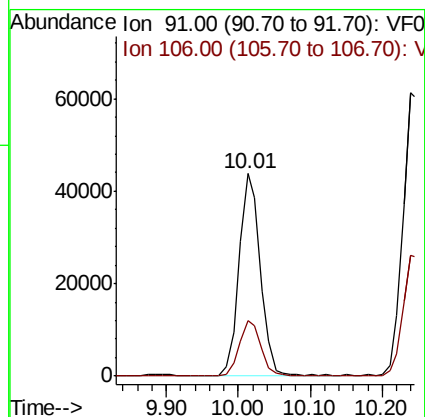
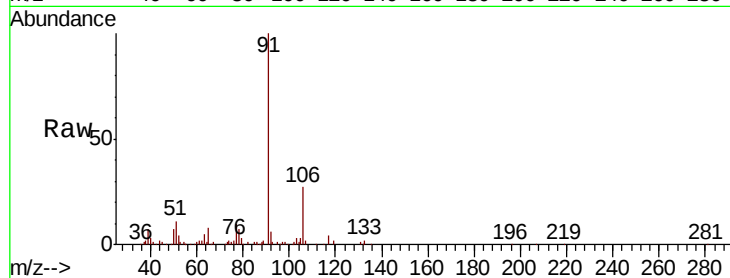
106 27.2 22.5 33.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 10.099 ug/l

RT: 10.24 min Scan# 975

Delta R.T. -0.01 min

Lab File: VF060387.D

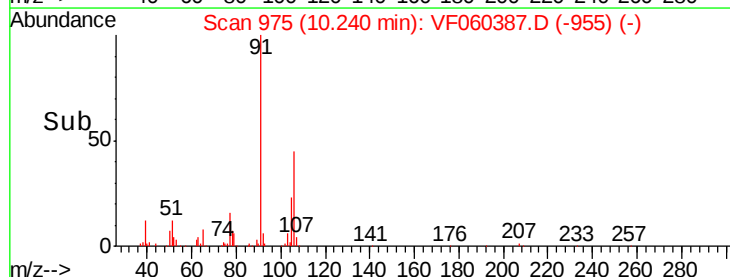
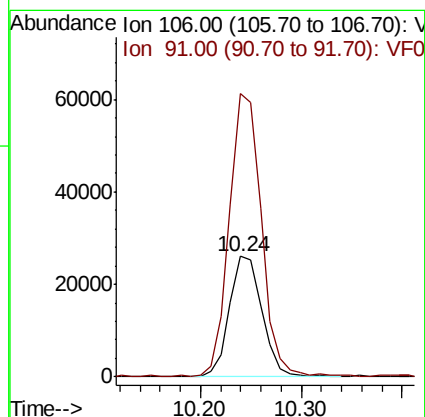
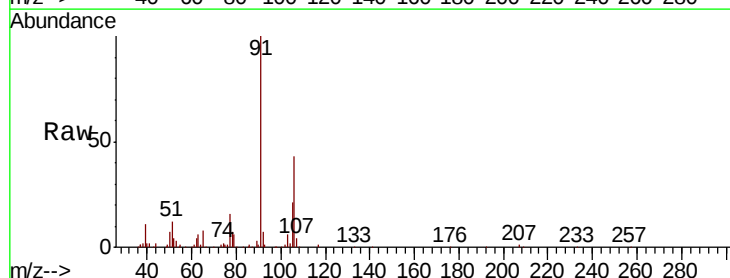
Acq: 1 Oct 2018 16:50

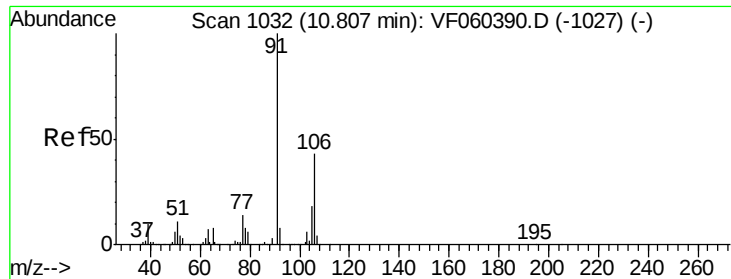
Tgt Ion: 106 Resp: 58967

Ion Ratio Lower Upper

106 100

91 234.8 175.0 262.6





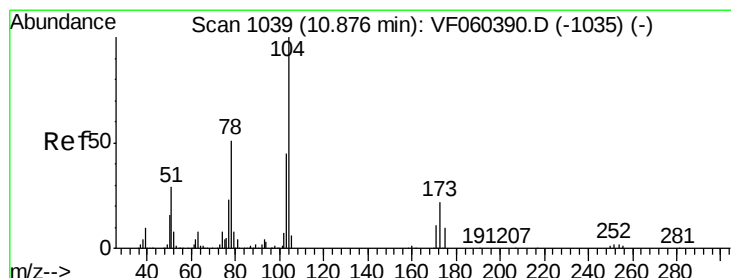
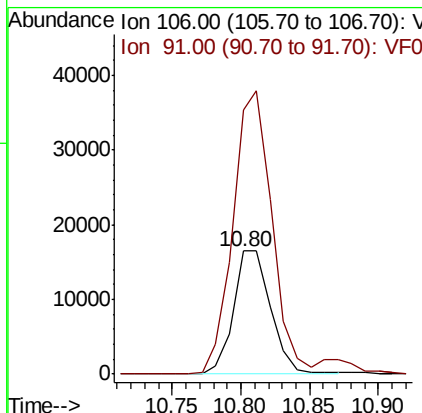
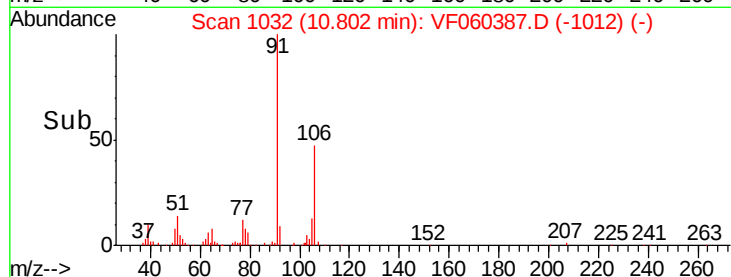
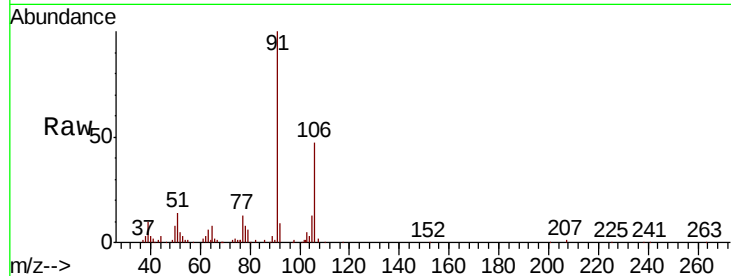
#69
o-Xylene
Concen: 4.787 ug/l
RT: 10.80 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	115.1	345.2

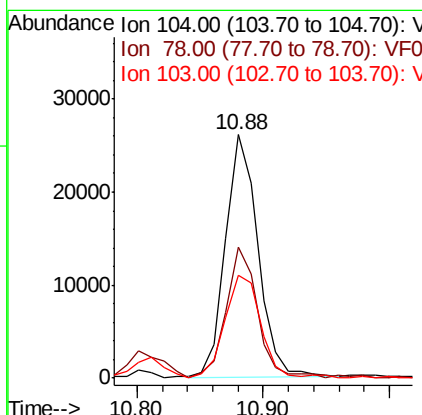
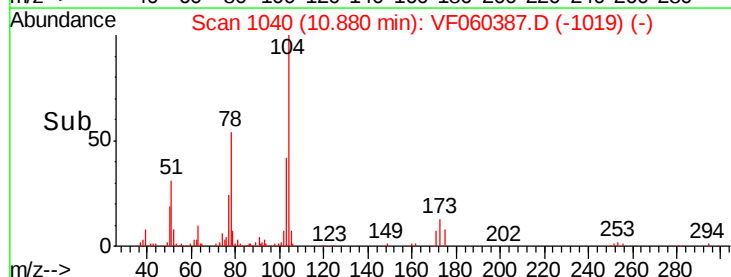
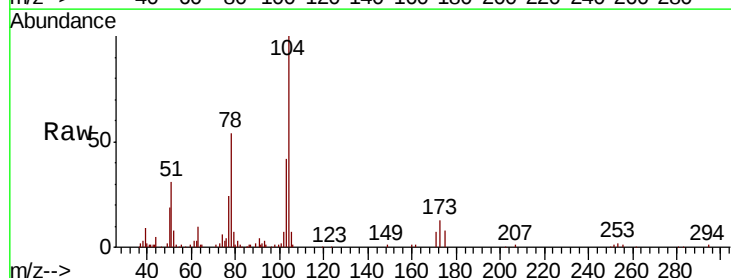
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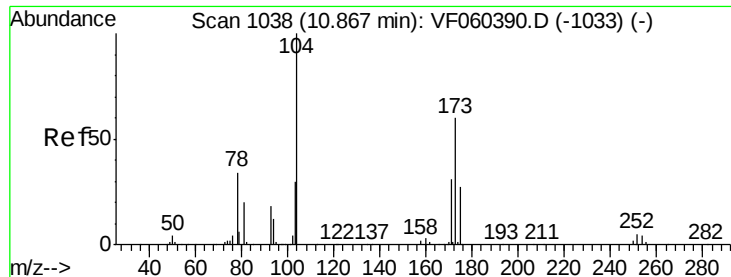
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#70
Styrene
Concen: 5.068 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.9	41.0	61.4
103	42.2	36.4	54.6





#71

Bromoform

Concen: 4.817 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

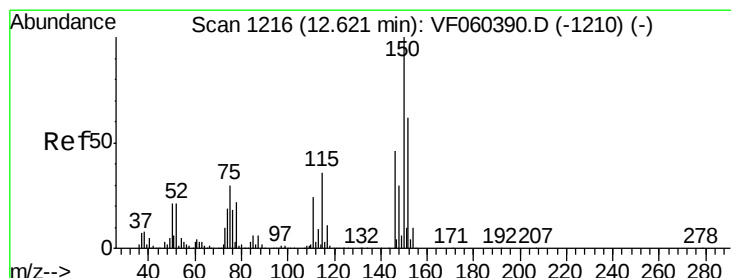
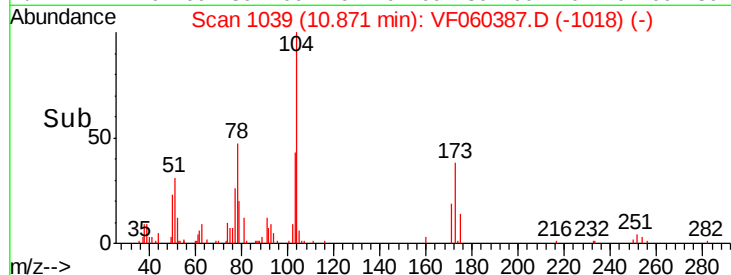
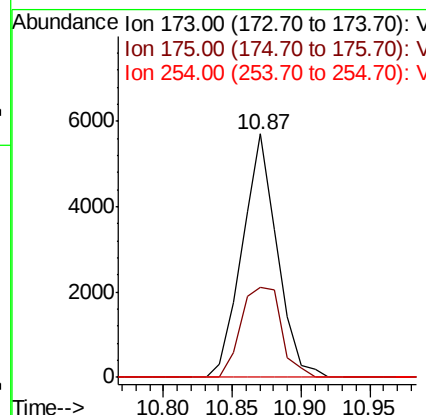
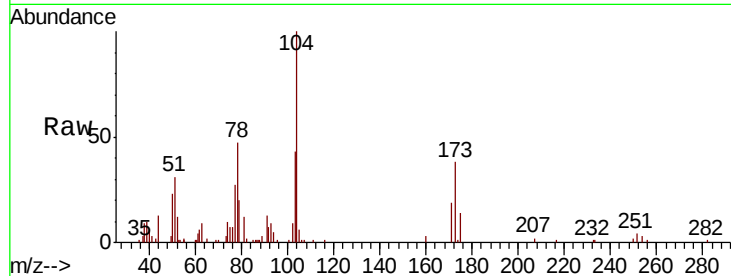
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	37.2	22.1	66.1
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

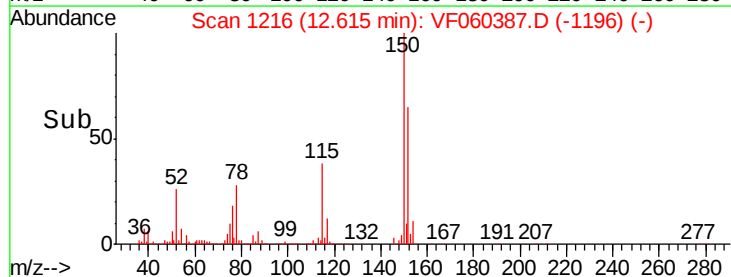
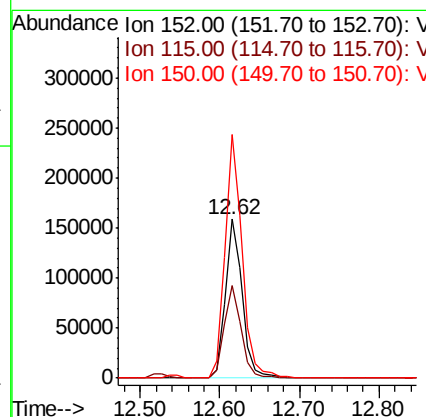
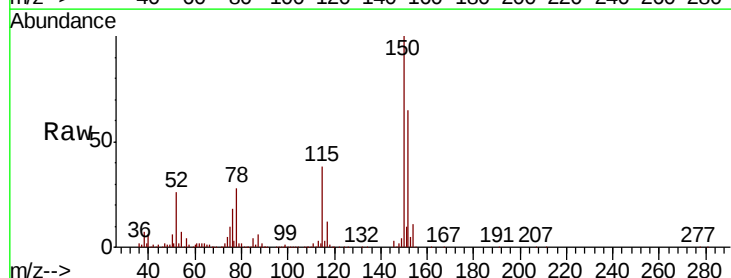
RT: 12.62 min Scan# 1216

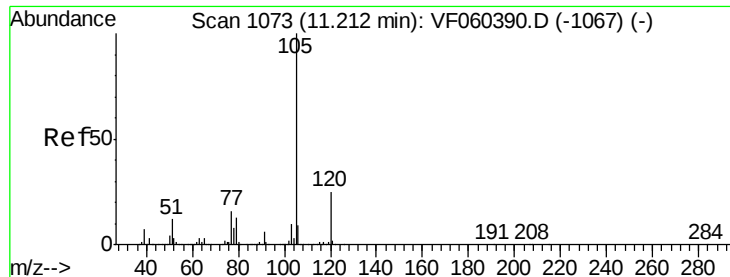
Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.6	85.8
150	153.5	0.0	324.6





#73

Isopropylbenzene

Concen: 4.711 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 98837

Ion Ratio Lower Upper

105 100

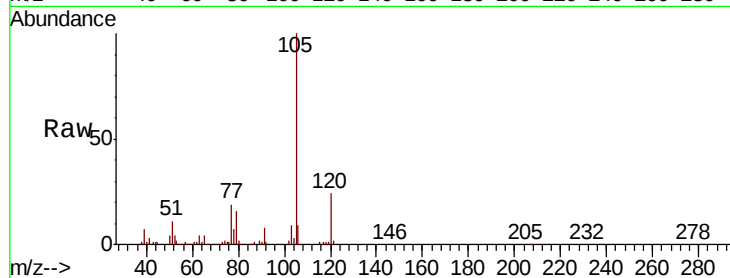
120 23.8 12.3 36.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

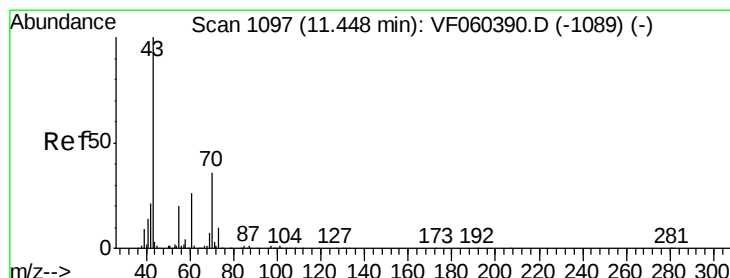
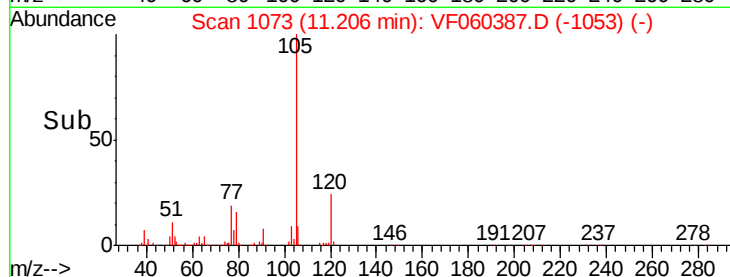
20000

10000

0

11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 4.939 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion: 43 Resp: 22449

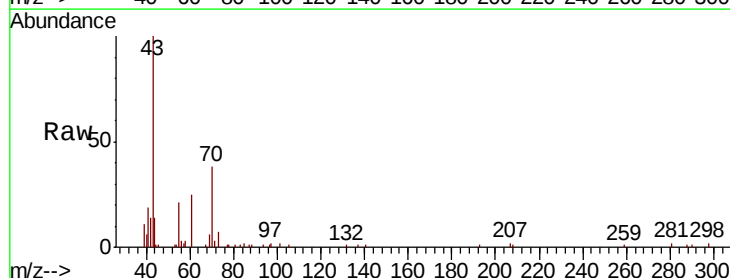
Ion Ratio Lower Upper

43 100

70 37.9 29.1 43.7

55 20.8 16.3 24.5

61 25.1 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

20000

15000

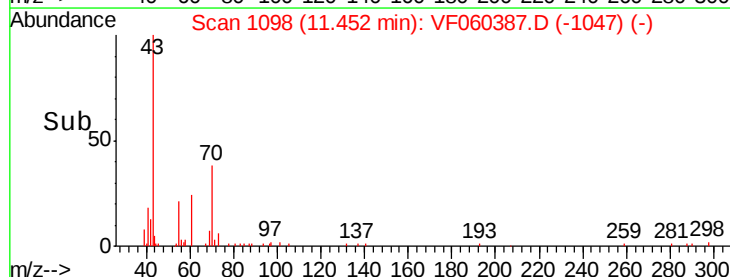
10000

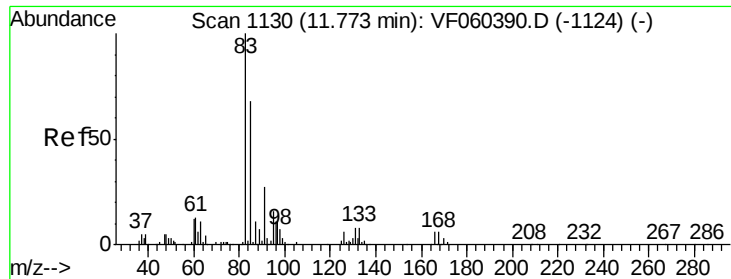
5000

0

11.40 11.45 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 4.792 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

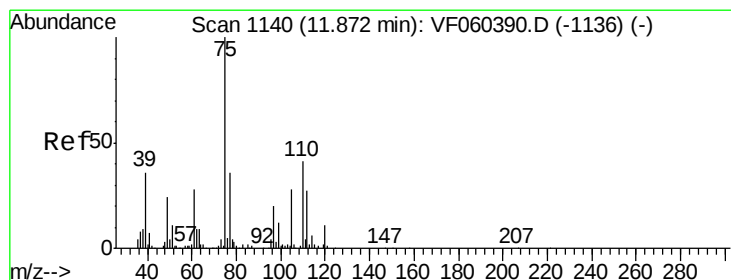
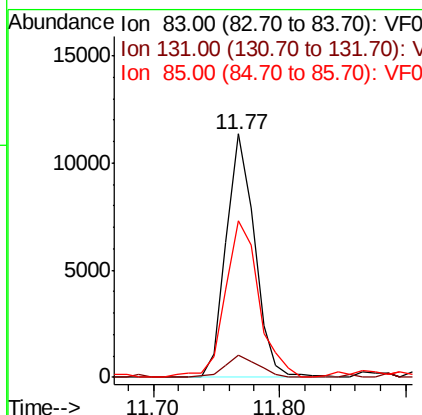
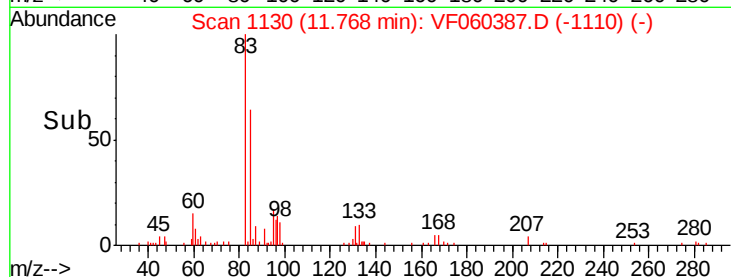
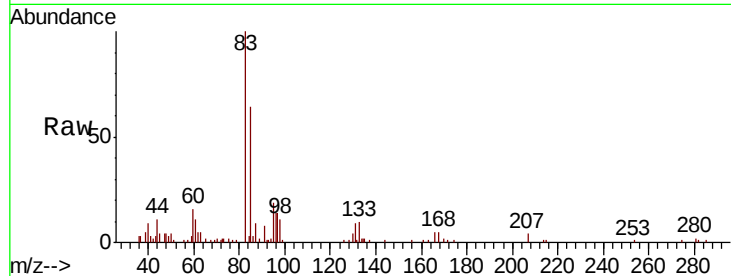
ClientSampleId :

VSTDIC005

Tot Ion	83	Resp	17847
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.0	12.0
85	64.5	34.0	102.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.907 ug/l

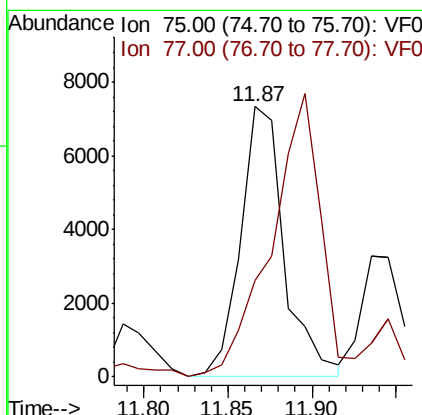
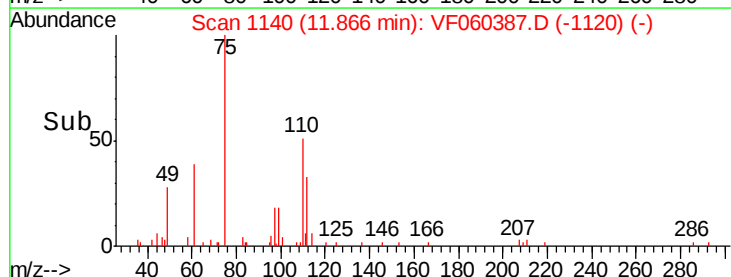
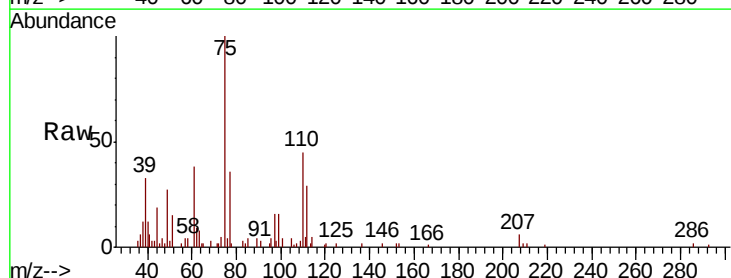
RT: 11.87 min Scan# 1140

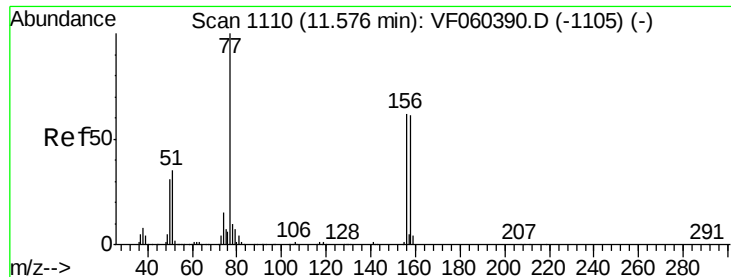
Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion	75	Resp	13222
Ion Ratio	Lower	Upper	
75	100		
77	35.8	18.1	54.4





#77

Bromobenzene

Concen: 4.914 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

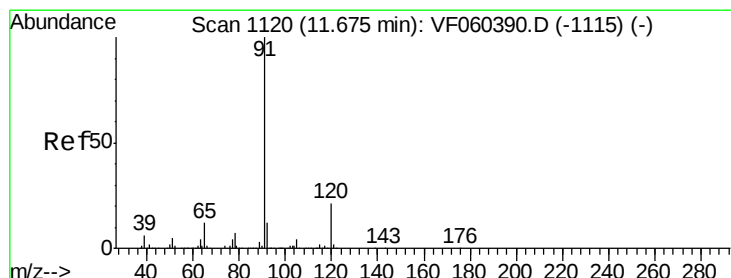
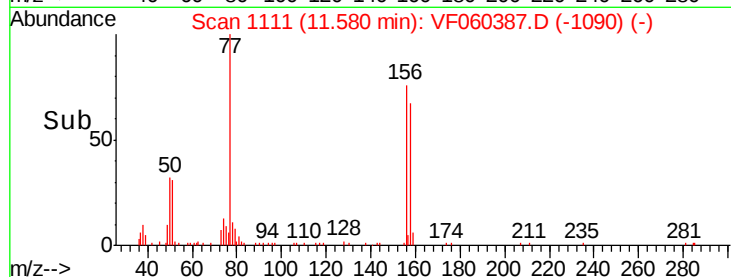
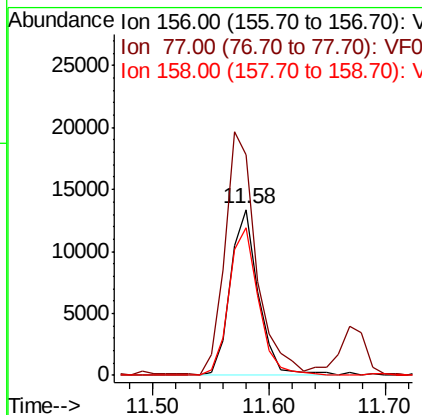
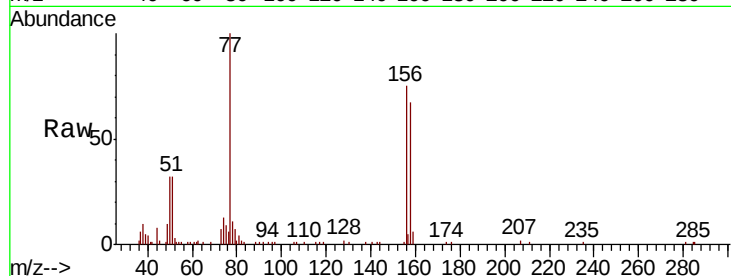
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	132.6	81.3	243.9	
158	88.7	49.6	149.0	

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#78

n-propylbenzene

Concen: 5.132 ug/l

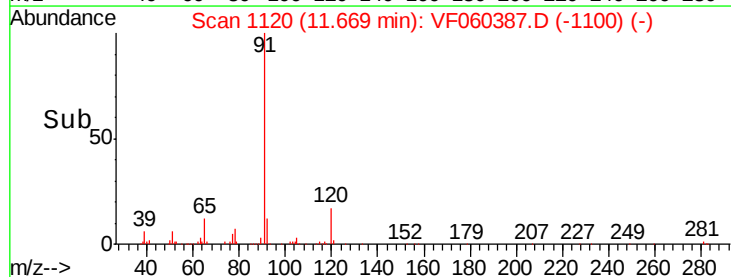
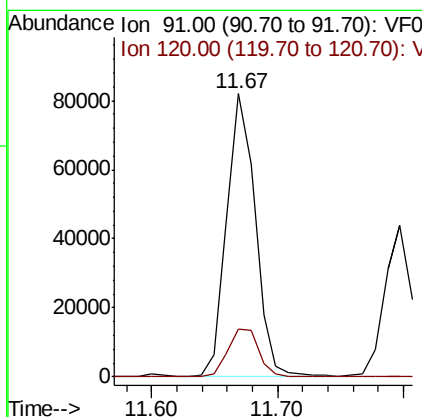
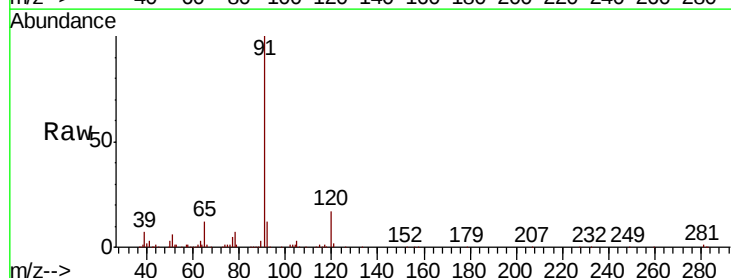
RT: 11.67 min Scan# 1120

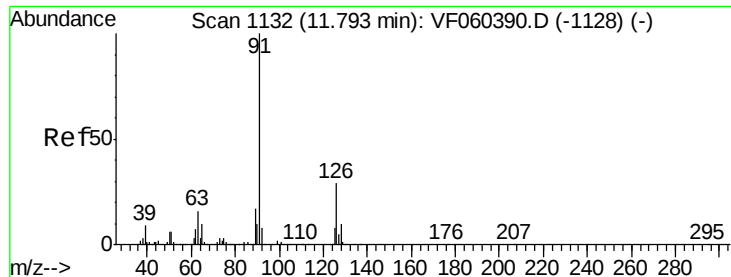
Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	17.0	10.5	31.6	





#79

2-Chlorotoluene

Concen: 4.668 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 67065

Ion Ratio Lower Upper

91 100

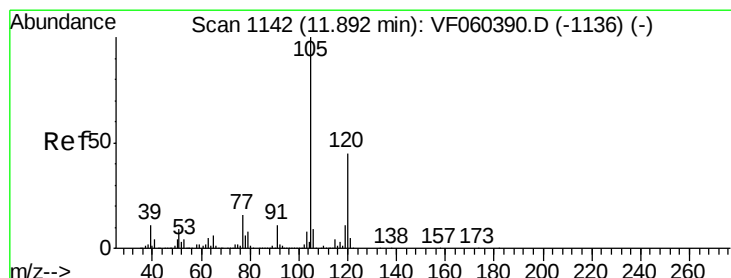
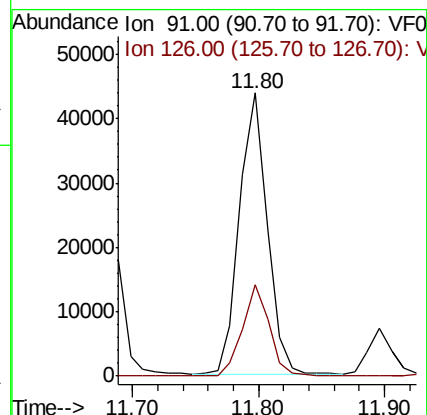
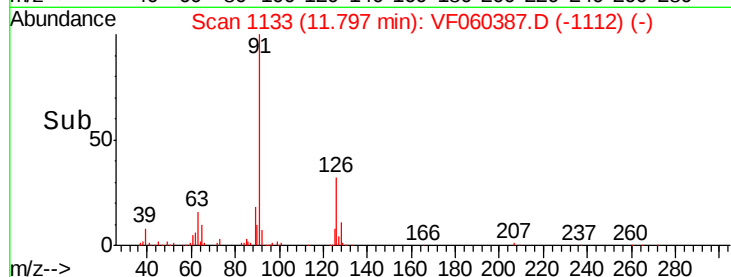
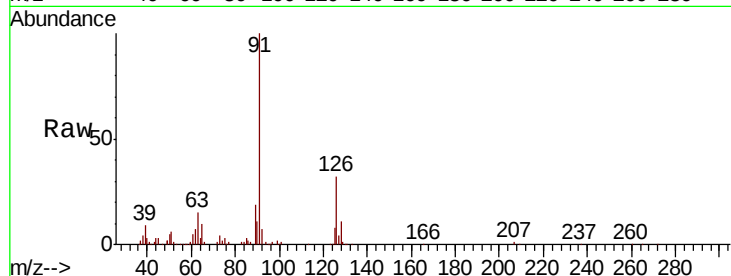
126 32.4 14.4 43.4

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#80

1,3,5-Trimethylbenzene

Concen: 5.101 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060387.D

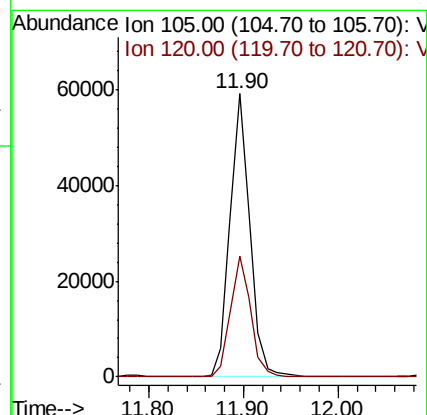
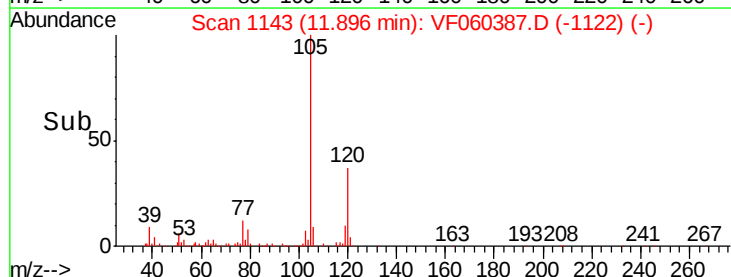
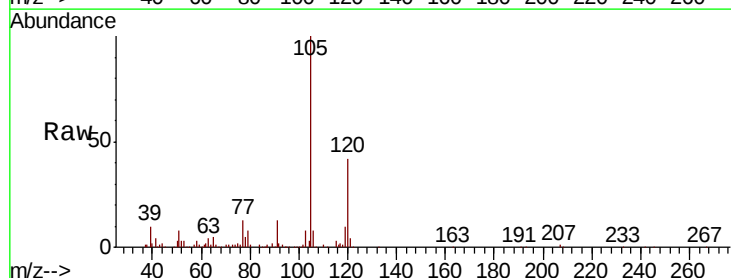
Acq: 1 Oct 2018 16:50

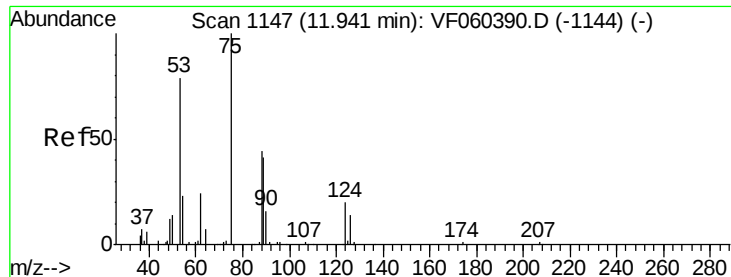
Tgt Ion: 105 Resp: 86546

Ion Ratio Lower Upper

105 100

120 42.5 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 3.727 ug/l m

RT: 11.94 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 5240

Ion Ratio Lower Upper

75 100

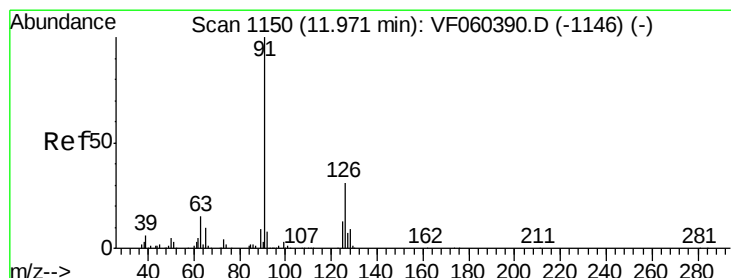
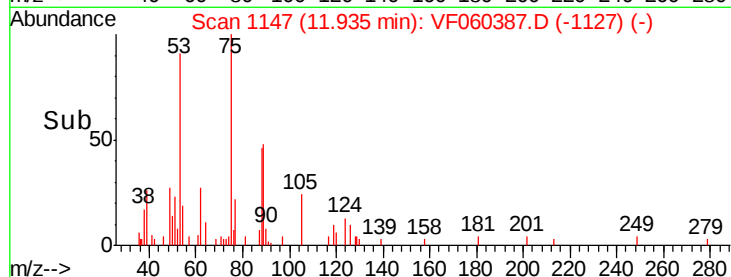
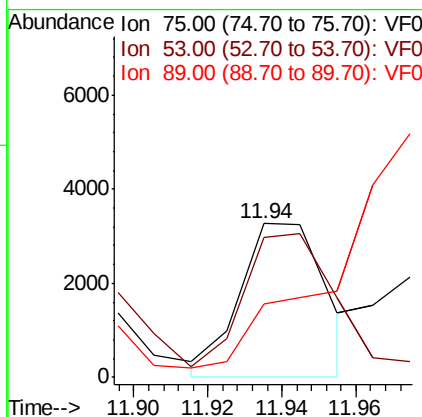
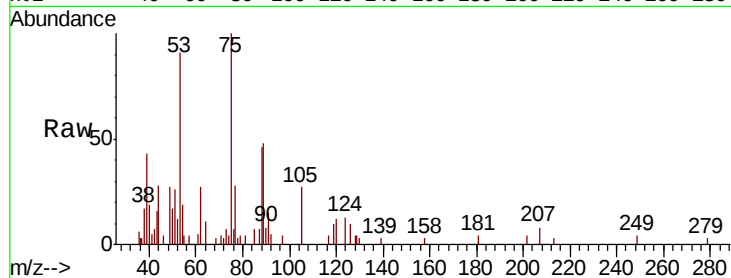
53 91.2 67.8 101.8

89 47.7 36.7 55.1

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#82

4-Chlorotoluene

Concen: 5.301 ug/l

RT: 11.97 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF060387.D

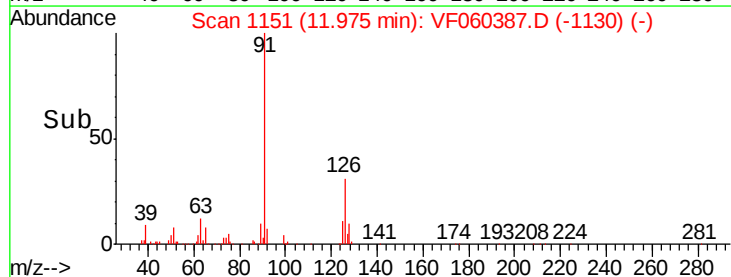
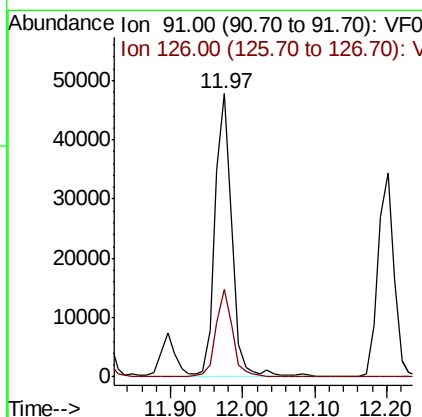
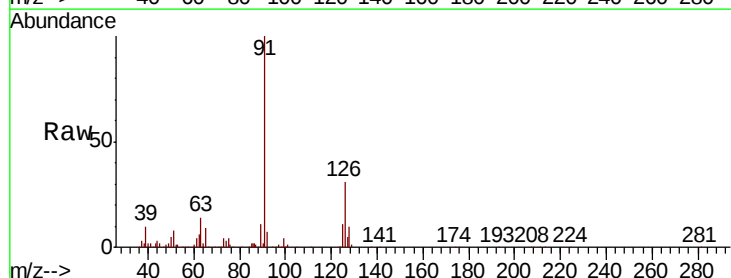
Acq: 1 Oct 2018 16:50

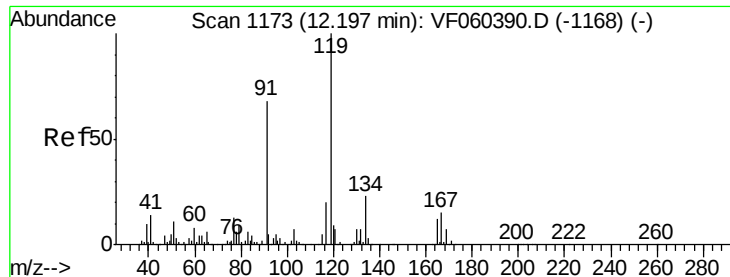
Tgt Ion: 91 Resp: 76191

Ion Ratio Lower Upper

91 100

126 31.2 15.7 47.0





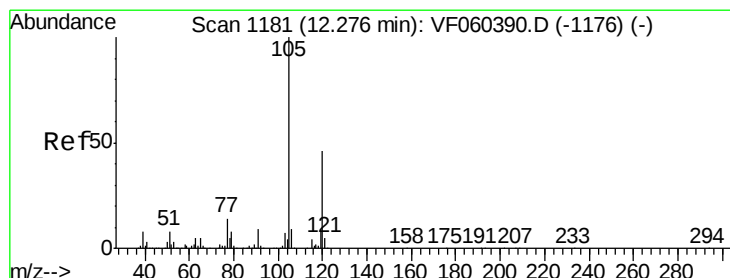
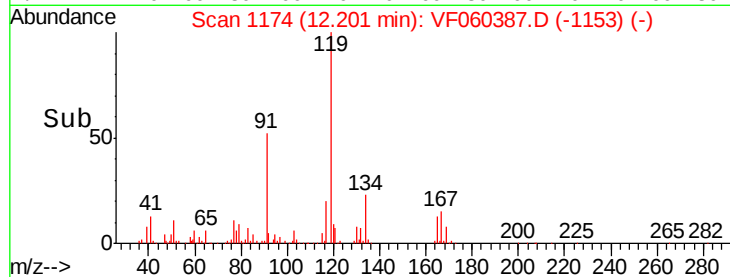
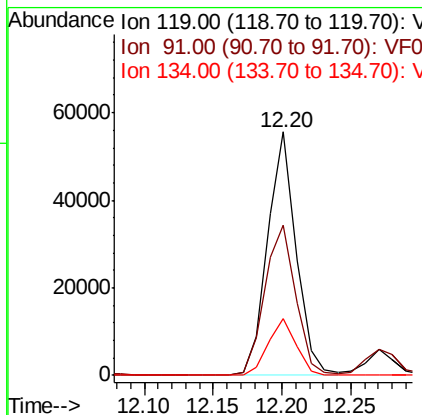
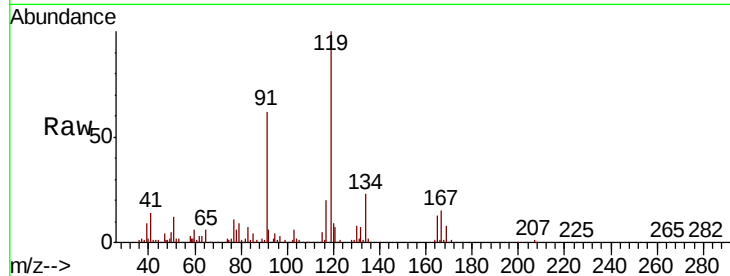
#83
 tert-Butylbenzene
 Concen: 4.656 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	34.0	102.0
134	23.2	11.7	35.0

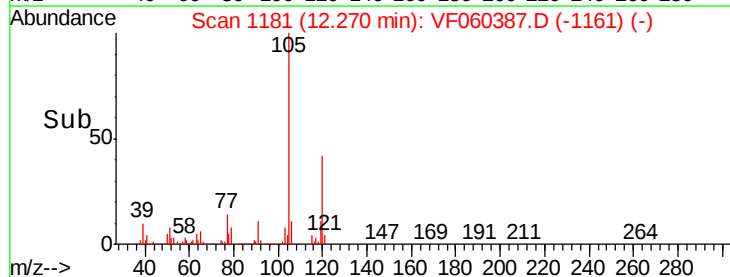
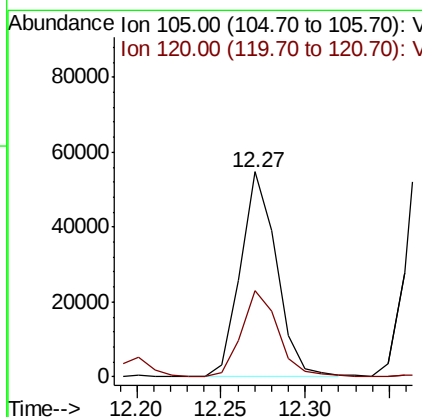
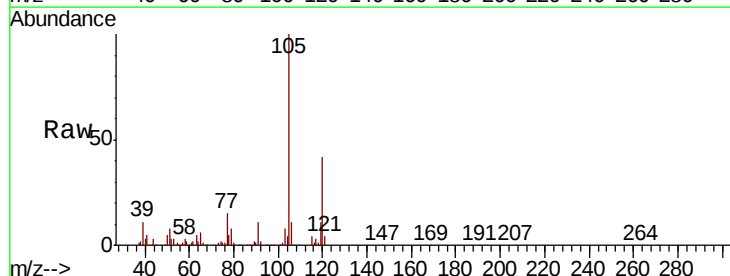
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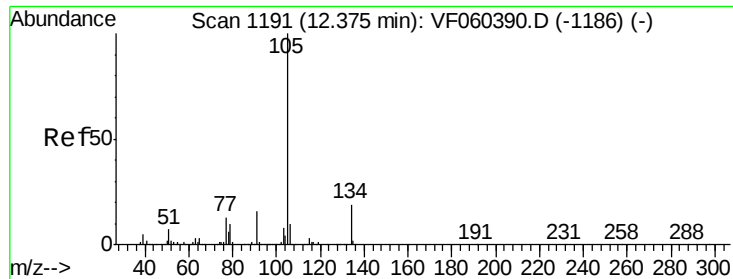
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.682 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.9	23.1	69.2





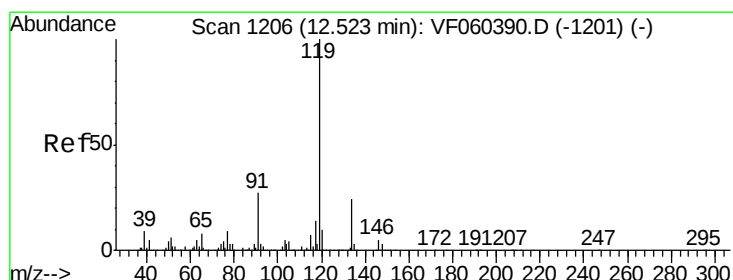
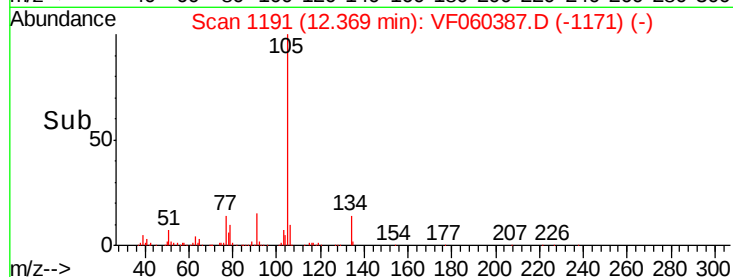
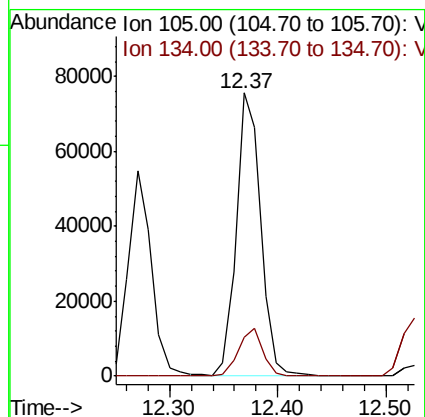
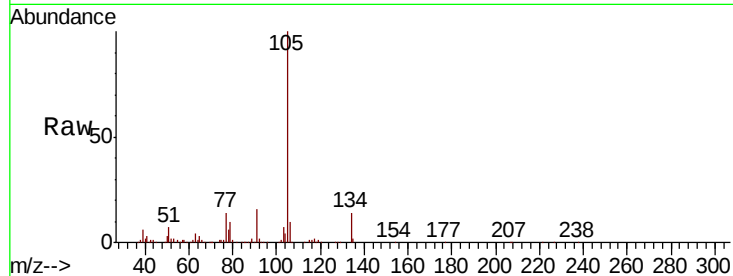
#85
 sec-Butylbenzene
 Concen: 4.982 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	118347		
134	13.7	9.4	28.3	

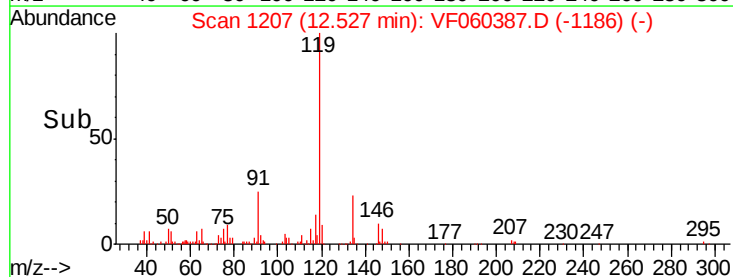
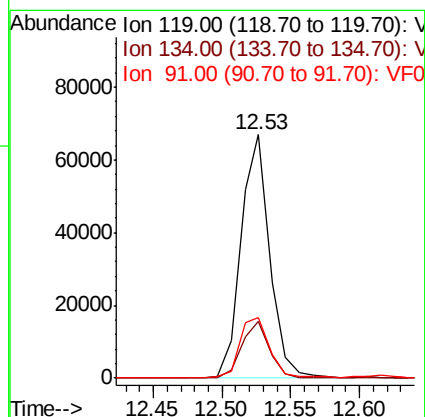
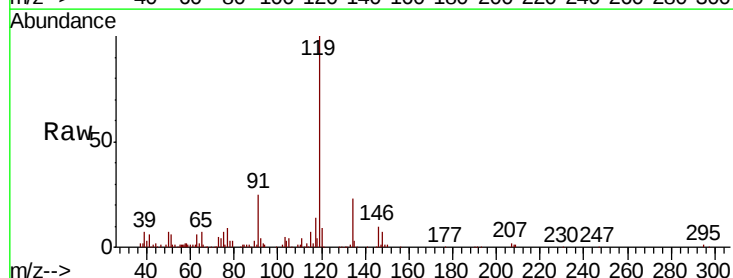
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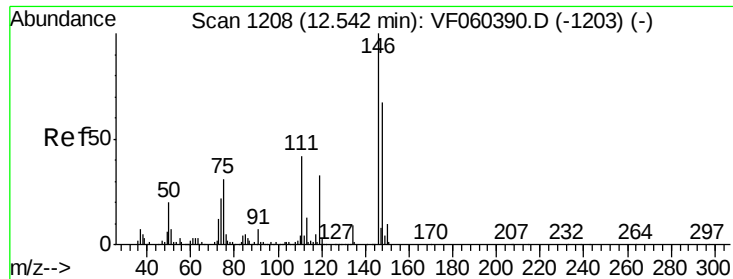
apatel
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#86
 p-Isopropyltoluene
 Concen: 5.151 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	97389		
134	23.3	12.3	36.8	
91	24.7	13.5	40.4	





#87

1,3-Dichlorobenzene

Concen: 5.061 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF060387.D

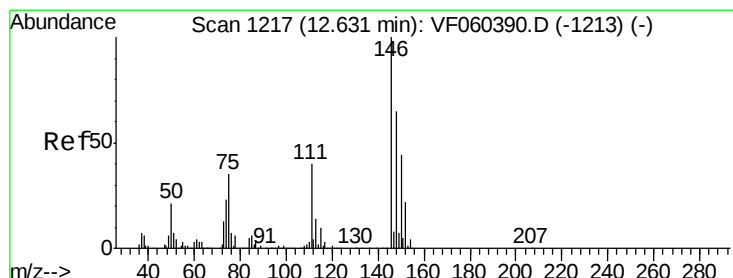
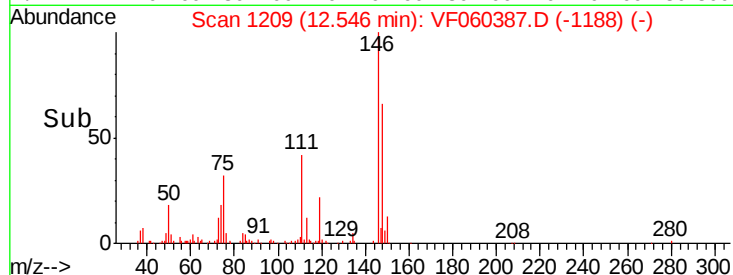
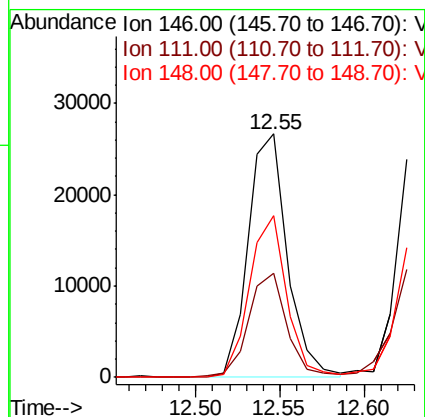
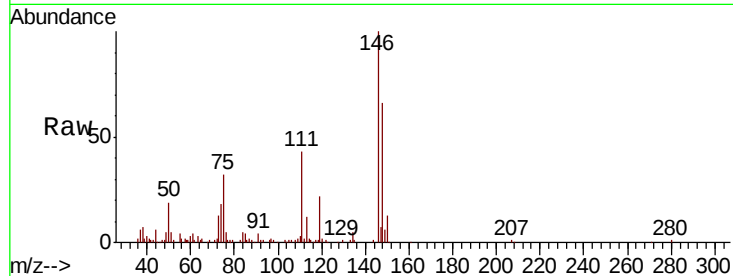
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.9	62.7
148	66.3	33.6	100.8

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#88

1,4-Dichlorobenzene

Concen: 5.123 ug/l

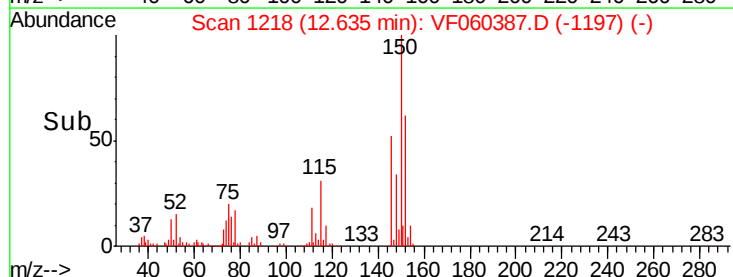
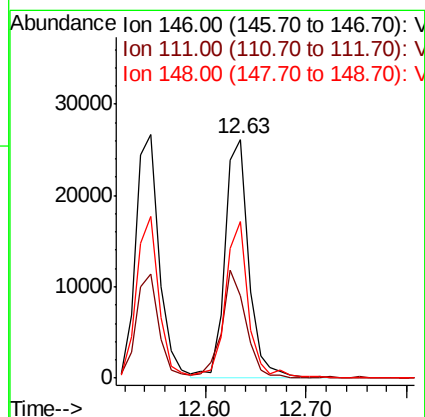
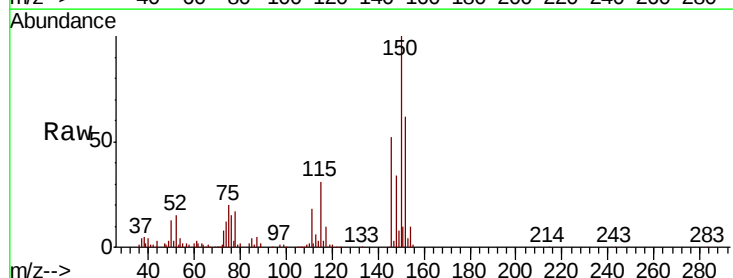
RT: 12.63 min Scan# 1218

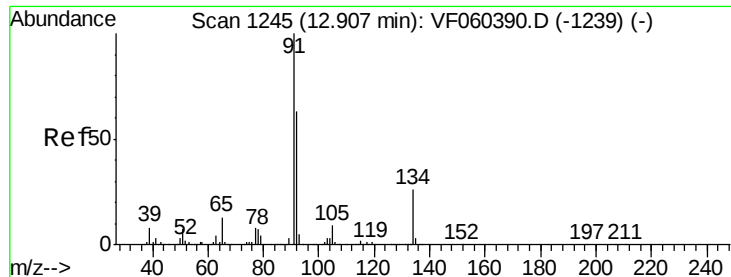
Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.3	20.2	60.6
148	65.4	32.6	97.8





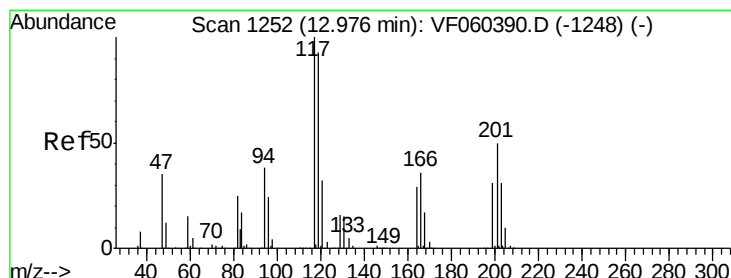
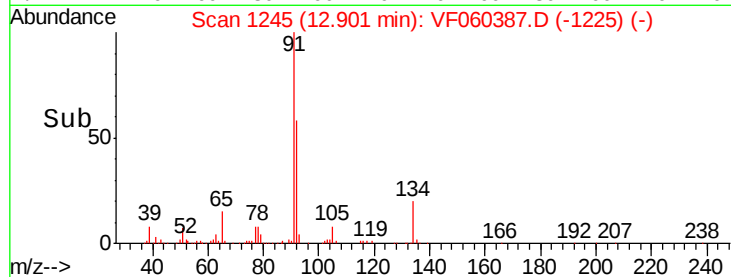
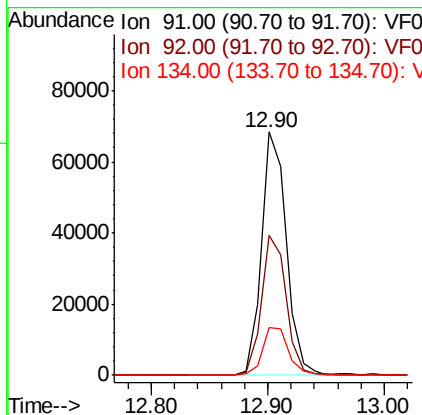
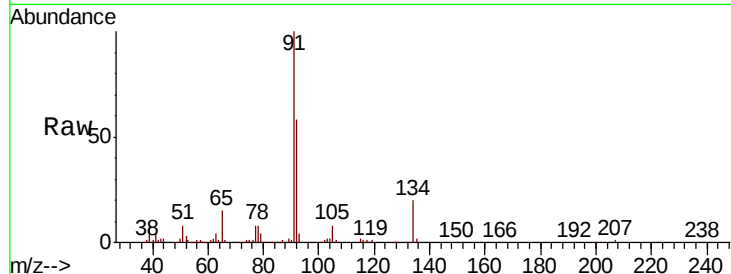
#89
n-Butylbenzene
Concen: 5.030 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
91	100	101279		
92	57.6	31.3	93.9	
134	19.9	13.0	38.9	

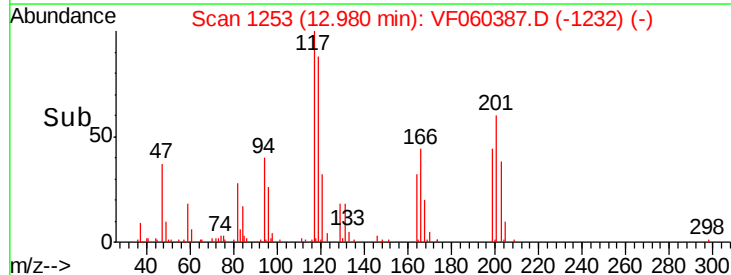
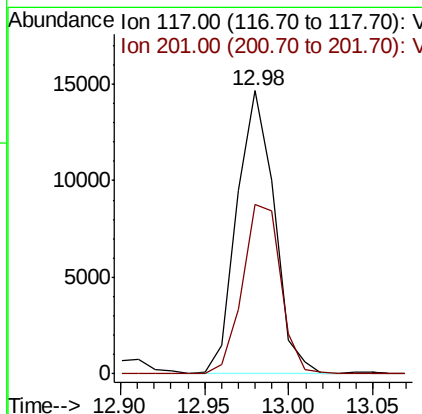
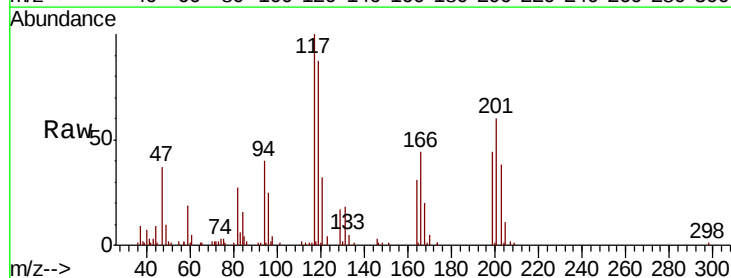
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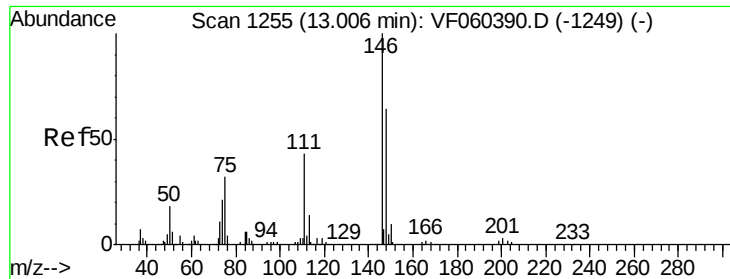
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#90
Hexachloroethane
Concen: 4.645 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	22550		
201	59.7	25.5	76.5	





#91

1,2-Dichlorobenzene

Concen: 5.049 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Instrument :

MSVOA_F

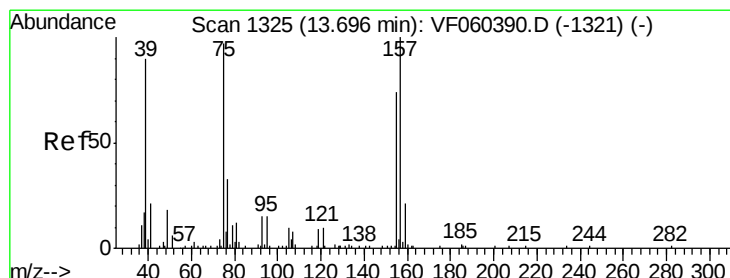
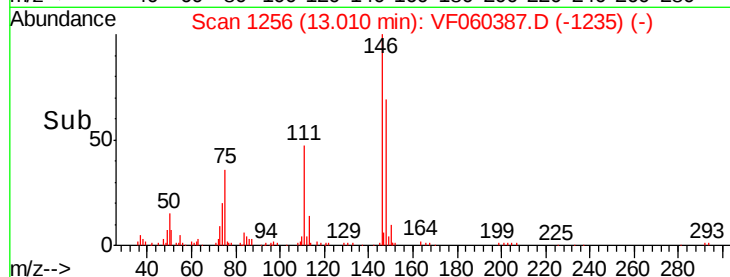
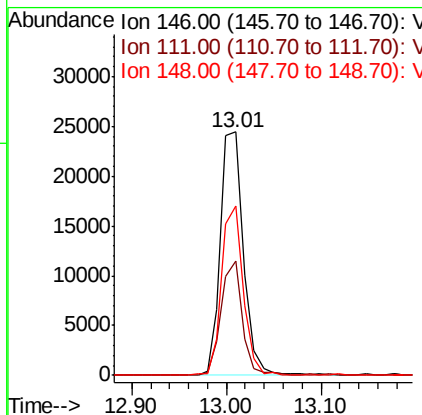
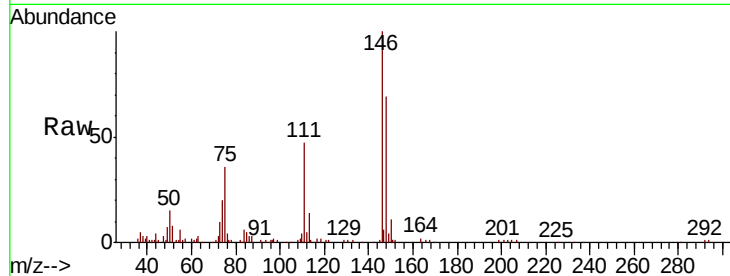
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	41133
Ion Ratio	Lower	Upper	
146	100		
111	46.9	21.3	64.0
148	69.3	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.764 ug/l

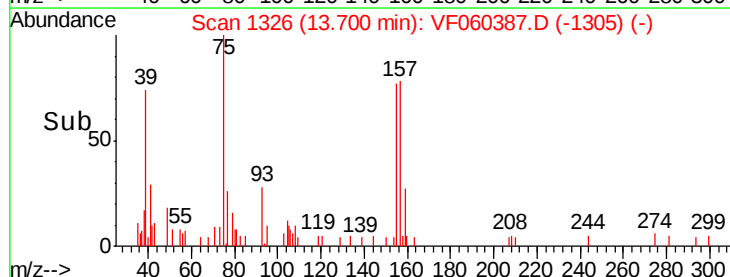
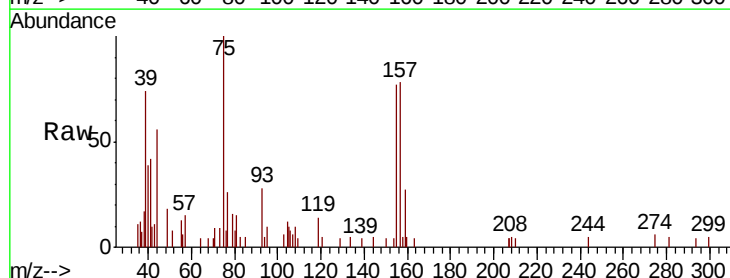
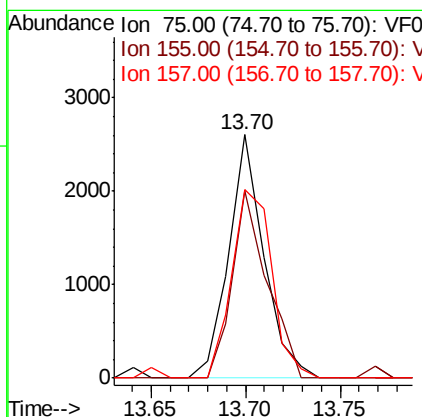
RT: 13.70 min Scan# 1326

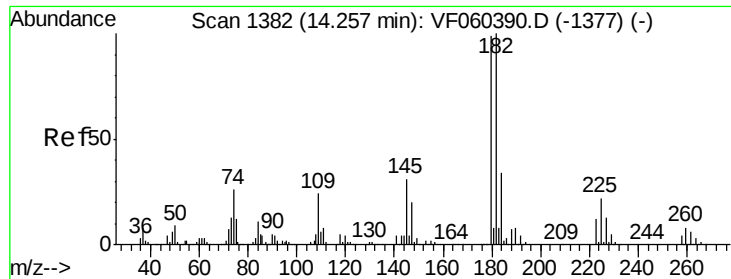
Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 16:50

Tgt Ion:	75	Resp:	3359
Ion Ratio	Lower	Upper	
75	100		
155	76.7	37.9	113.6
157	77.7	51.3	154.0





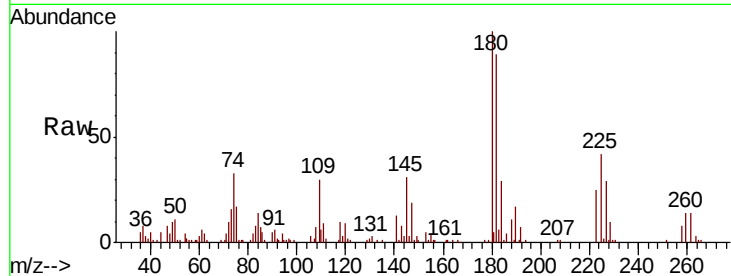
#93
 1,2,4-Trichlorobenzene
 Concen: 5.126 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 16:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	30482		
182	89.3		50.3	150.9
145	30.7		15.5	46.5

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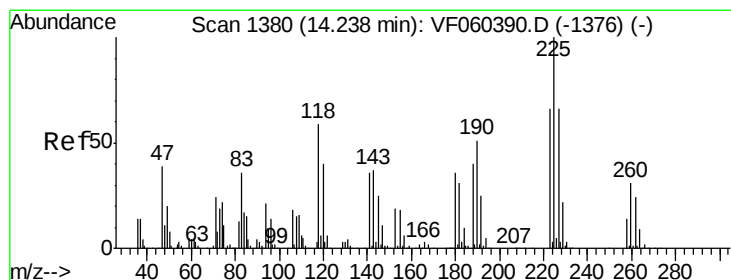
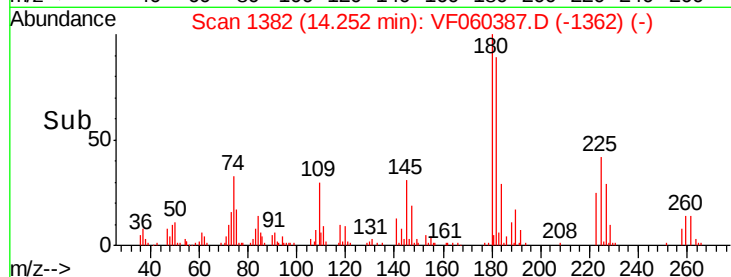
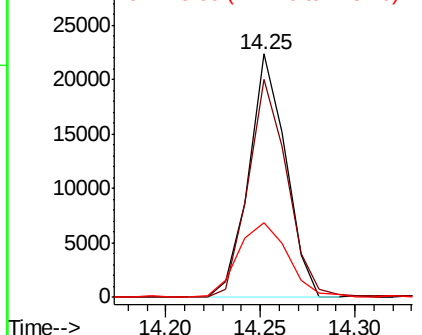


Abundance

Ion 180.00 (179.70 to 180.70): V

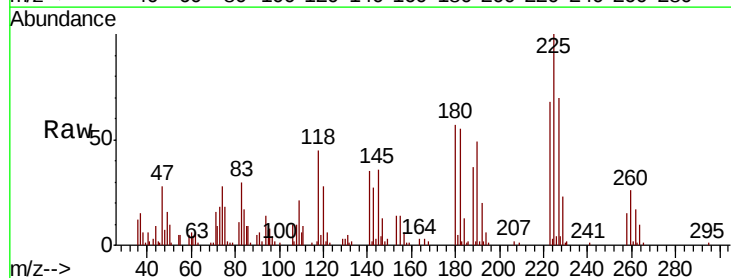
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 4.934 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19816		
223	66.0		32.8	98.4
227	67.4		33.0	99.0

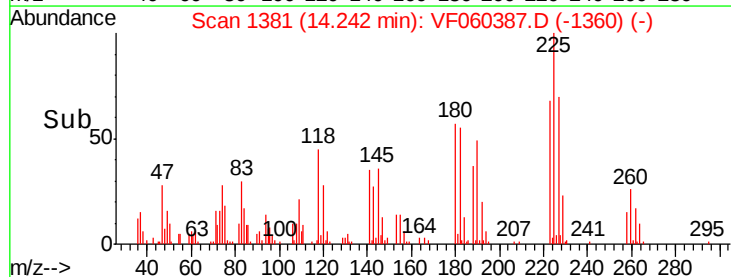
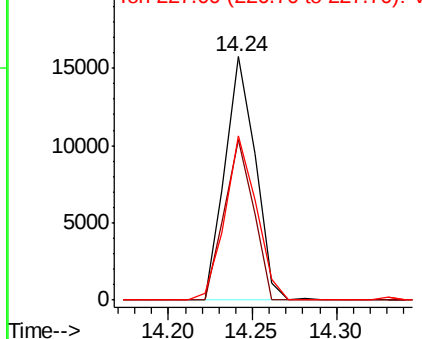


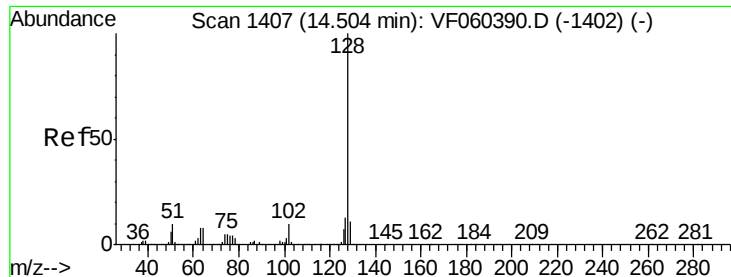
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





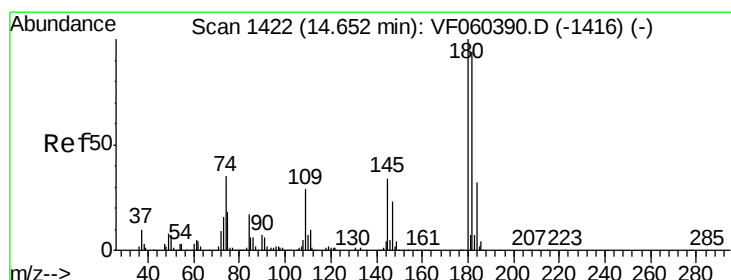
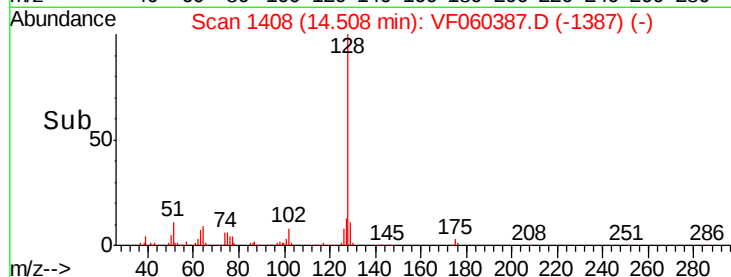
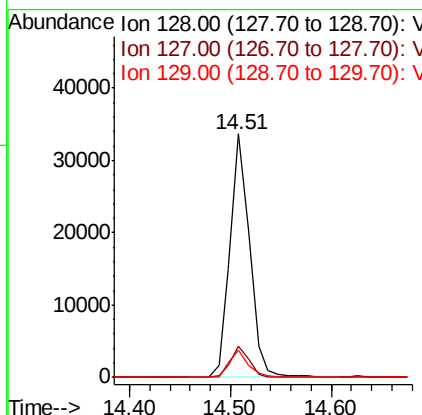
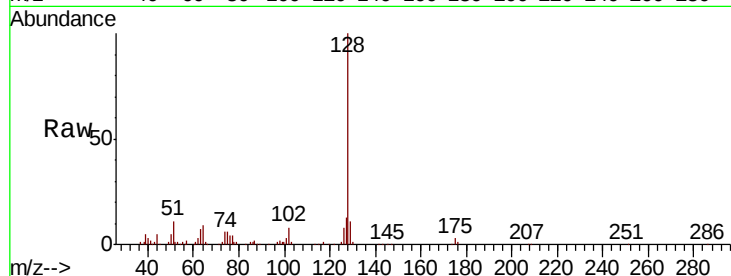
#95
Naphthalene
Concen: 4.347 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.0	15.0
129	11.1	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.802 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 16:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	46.8	140.3
145	32.2	16.9	50.6

