

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090618\
 Data File : VF060197.D
 Acq On : 6 Sep 2018 11:45
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 9/7/2018 11:53:24 AM

Quant Time: Sep 07 10:33:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 01:56:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	178188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	245977	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	258809	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	168072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	14886	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
35) Dibromofluoromethane	4.28	113	12367	5.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	10.30%	
50) Toluene-d8	7.70	98	30127	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	
62) 4-Bromofluorobenzene	11.50	95	18813	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	18396m	5.64	ug/l	
3) Chloromethane	1.08	50	10667	5.95	ug/l	# 84
4) Vinyl Chloride	1.13	62	6440	4.73	ug/l	92
5) Bromomethane	1.32	94	7615	6.20	ug/l	85
6) Chloroethane	1.40	64	4314	4.86	ug/l	95
7) Trichlorofluoromethane	1.48	101	19193	5.00	ug/l	88
8) Diethyl Ether	1.70	74	2987	5.23	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.86	101	9244	4.90	ug/l	97
10) Methyl Iodide	1.93	142	9343	5.66	ug/l	# 97
11) Tert butyl alcohol	2.69	59	4632	33.71	ug/l	# 84
12) 1,1-Dichloroethene	1.83	96	6910	5.44	ug/l	97
13) Acrolein	2.10	56	2470	33.89	ug/l	# 73
14) Allyl chloride	2.18	41	10016	5.25	ug/l	# 97
15) Acrylonitrile	3.08	53	7307	31.21	ug/l	# 77
16) Acetone	2.33	43	21283	31.60	ug/l	95
17) Carbon Disulfide	1.84	76	16366	4.41	ug/l	# 79
18) Methyl Acetate	2.46	43	6026m	5.53	ug/l	
19) Methyl tert-butyl Ether	2.53	73	21692	5.17	ug/l	92
20) Methylene Chloride	2.27	84	14768	7.27	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	6041	4.67	ug/l	# 91
22) Diisopropyl ether	2.93	45	25004	5.22	ug/l	# 96
23) Vinyl Acetate	3.33	43	26825	16.01	ug/l	97
24) 1,1-Dichloroethane	3.00	63	15497	4.98	ug/l	# 95
25) 2-Butanone	4.50	43	24183	28.20	ug/l	# 82
26) 2,2-Dichloropropane	3.74	77	14865	3.94	ug/l	84
27) cis-1,2-Dichloroethene	3.63	96	7966	4.75	ug/l	80
28) Bromochloromethane	3.88	49	5451	5.19	ug/l	85
29) Tetrahydrofuran	4.24	42	8238	28.85	ug/l	97
30) Chloroform	4.03	83	22435	4.88	ug/l	98
31) Cyclohexane	3.85	56	9898	4.71	ug/l	96
32) 1,1,1-Trichloroethane	4.26	97	21988	4.82	ug/l	94
36) 1,1-Dichloropropene	4.44	75	14243	4.99	ug/l	94
37) Ethyl Acetate	4.28	43	10467	6.66	ug/l	# 69
38) Carbon Tetrachloride	4.17	117	19292	4.83	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	12430	5.15	ug/l	98
40) Benzene	4.80	78	26203	5.16	ug/l #	84
41) Methacrylonitrile	4.91	41	3932	5.28	ug/l	94
42) 1,2-Dichloroethane	5.10	62	18319	4.91	ug/l	96
43) Isopropyl Acetate	7.10	43	8745	5.19	ug/l #	100
44) Trichloroethene	5.66	130	11689	5.59	ug/l	87
45) 1,2-Dichloropropane	6.40	63	7373	5.08	ug/l #	83
46) Dibromomethane	6.25	93	5681	4.38	ug/l	92
47) Bromodichloromethane	6.54	83	16301	4.65	ug/l #	84
48) Methyl methacrylate	6.87	41	6665	5.00	ug/l	96
49) 1,4-Dioxane	6.91	88	678m	22.53	ug/l	
51) 4-Methyl-2-Pentanone	8.39	43	42930	28.70	ug/l	100
52) Toluene	7.77	92	22192	5.63	ug/l	93
53) t-1,3-Dichloropropene	8.41	75	12577	4.30	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	13581	4.52	ug/l	84
55) 1,1,2-Trichloroethane	8.63	97	8317	5.62	ug/l	91
56) Ethyl methacrylate	8.76	69	7911	4.75	ug/l	90
57) 1,3-Dichloropropane	8.99	76	12443	4.77	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.77	63	4533	25.51	ug/l	100
59) 2-Hexanone	9.63	43	38141	33.86	ug/l	98
60) Dibromochloromethane	8.86	129	10944	4.49	ug/l	86
61) 1,2-Dibromoethane	9.12	107	7967	4.51	ug/l	84
64) Tetrachloroethene	8.30	164	18212	6.05	ug/l #	81
65) Chlorobenzene	9.93	112	28726	5.39	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	11927	5.07	ug/l	82
67) Ethyl Benzene	10.03	91	51830	5.24	ug/l	94
68) m/p-Xylenes	10.26	106	35660	10.76	ug/l	94
69) o-Xylene	10.82	106	17496	4.92	ug/l	71
70) Styrene	10.90	104	26491	4.92	ug/l	93
71) Bromoform	10.88	173	5699	4.15	ug/l #	94
73) Isopropylbenzene	11.22	105	57340	4.95	ug/l	97
74) N-amyl acetate	11.46	43	8095	4.20	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.78	83	8259	4.74	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	9605	5.22	ug/l	80
77) Bromobenzene	11.59	156	15177	5.02	ug/l	96
78) n-propylbenzene	11.68	91	72199	5.22	ug/l	97
79) 2-Chlorotoluene	11.81	91	44410	5.31	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	51246	5.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	1203	2.02	ug/l #	70
82) 4-Chlorotoluene	11.98	91	48362	5.21	ug/l	98
83) tert-Butylbenzene	12.21	119	44984	4.86	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	51719	4.97	ug/l	92
85) sec-Butylbenzene	12.39	105	66200	5.21	ug/l	99
86) p-Isopropyltoluene	12.53	119	58038	5.11	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	31516	5.72	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	28983	5.33	ug/l	97
89) n-Butylbenzene	12.91	91	52372	4.78	ug/l	98
90) Hexachloroethane	12.99	117	11084	4.80	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	26794	5.10	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	1743	3.93	ug/l	90

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ClientSampleId :
VSTDICC005

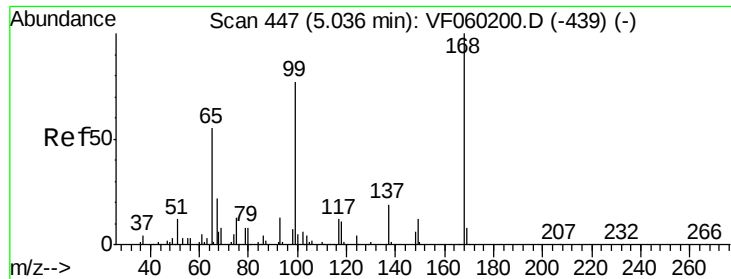
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	19576	4.83	ug/l	98
94) Hexachlorobutadiene	14.25	225	14278	4.92	ug/l	99
95) Naphthalene	14.52	128	28571	5.04	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.66	180	17617	4.64	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 418

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 178188

Ion Ratio Lower Upper

168 100

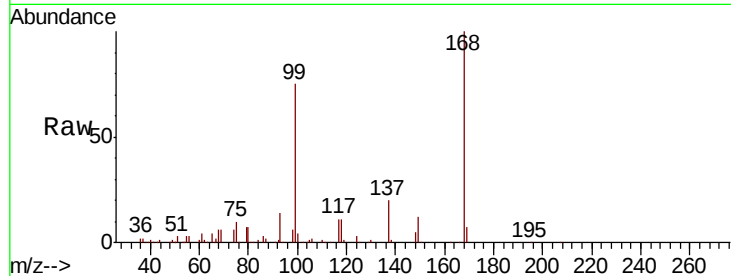
99 75.5 61.8 92.6

Manual Integrations

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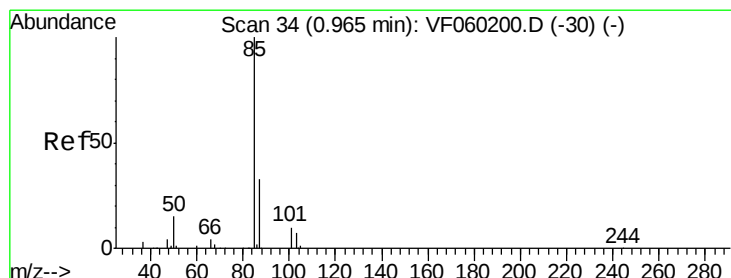
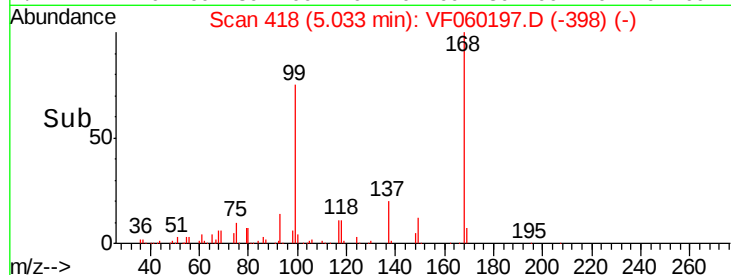
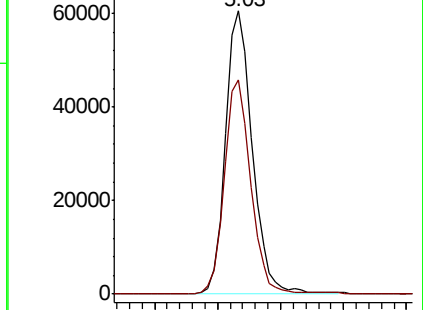
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 5.64 ug/l m

RT: 0.96 min Scan# 5

Delta R.T. -0.00 min

Lab File: VF060197.D

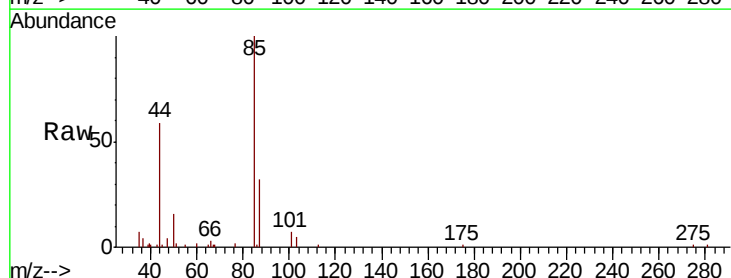
Acq: 6 Sep 2018 11:45

Tgt Ion: 85 Resp: 18396

Ion Ratio Lower Upper

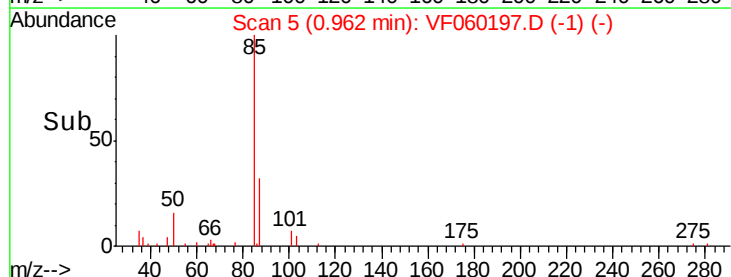
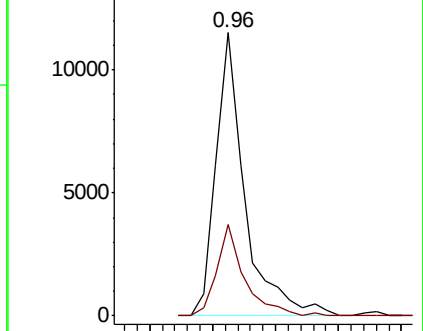
85 100

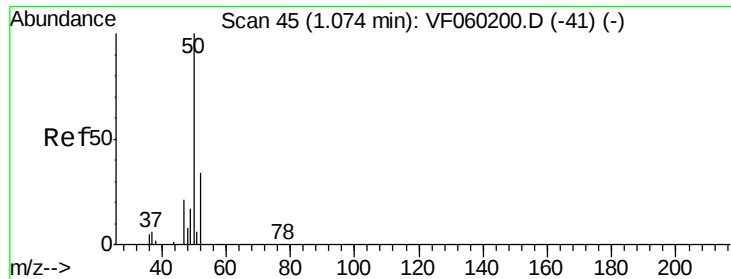
87 32.3 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 5.95 ug/l

RT: 1.08 min Scan# 17

Delta R.T. 0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10667

Ion Ratio Lower Upper

50 100

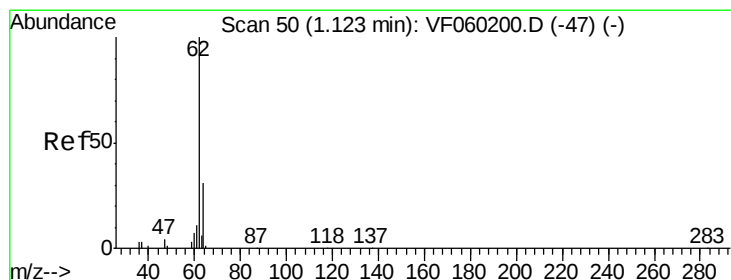
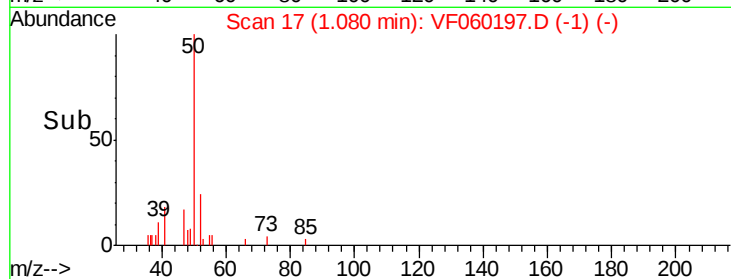
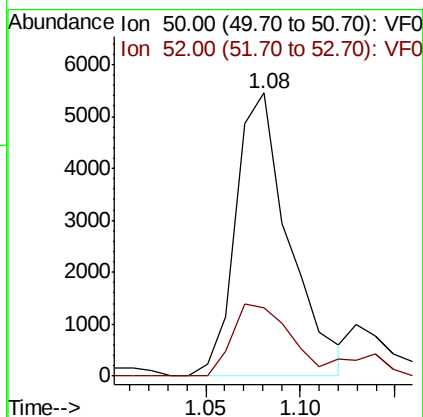
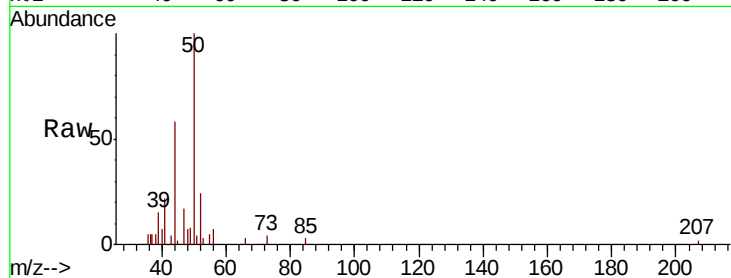
52 24.3 26.9 40.3#

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#4

Vinyl Chloride

Concen: 4.73 ug/l

RT: 1.13 min Scan# 22

Delta R.T. 0.01 min

Lab File: VF060197.D

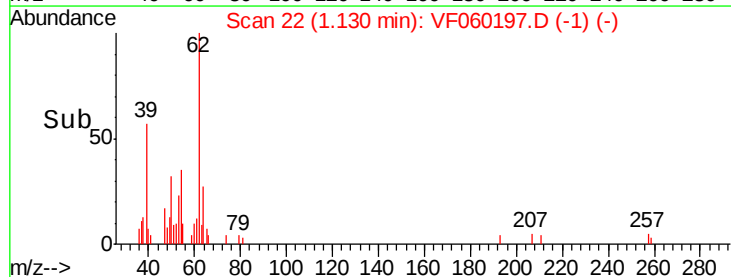
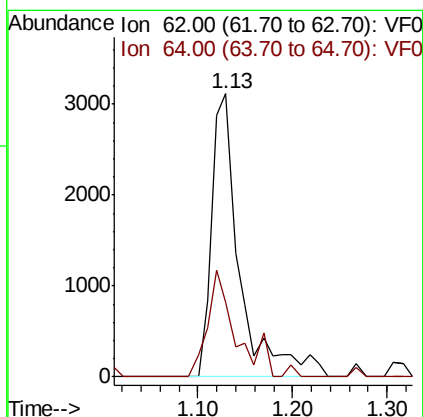
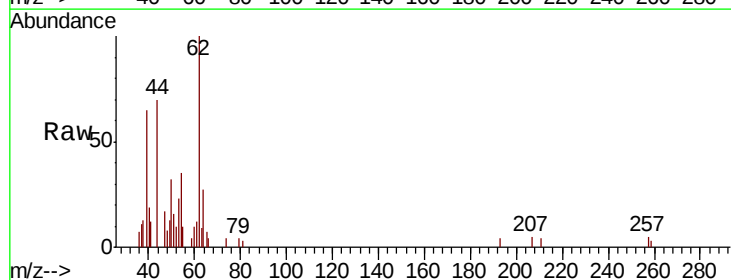
Acq: 6 Sep 2018 11:45

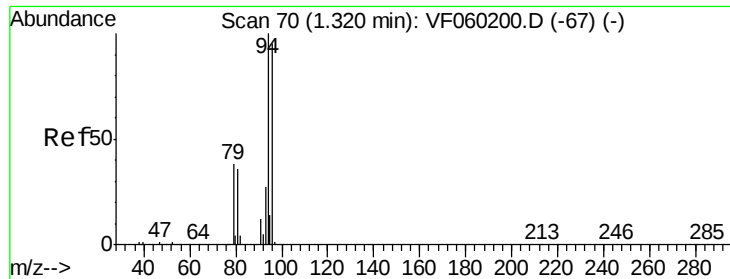
Tgt Ion: 62 Resp: 6440

Ion Ratio Lower Upper

62 100

64 26.6 24.8 37.2





#5

Bromomethane

Concen: 6.20 ug/l

RT: 1.32 min Scan# 41

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7615

Ion Ratio Lower Upper

94 100

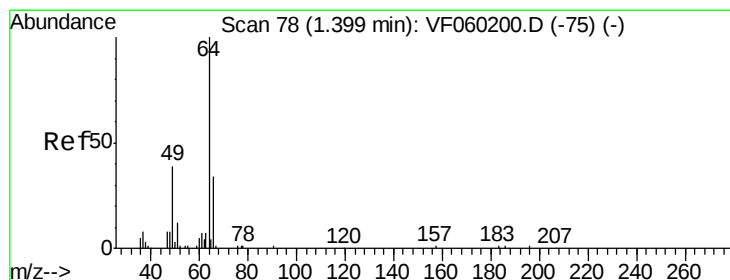
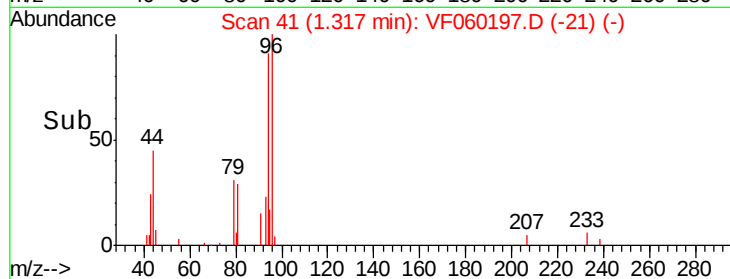
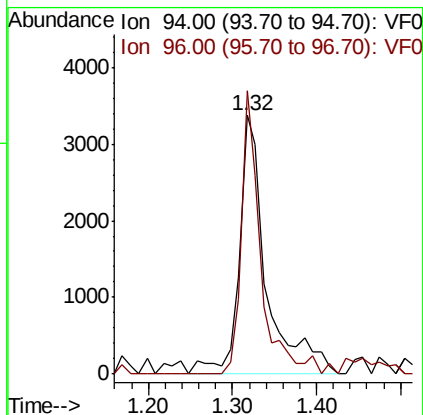
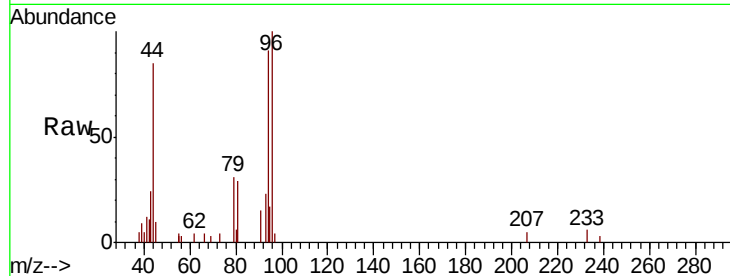
96 109.4 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 4.86 ug/l

RT: 1.40 min Scan# 49

Delta R.T. -0.00 min

Lab File: VF060197.D

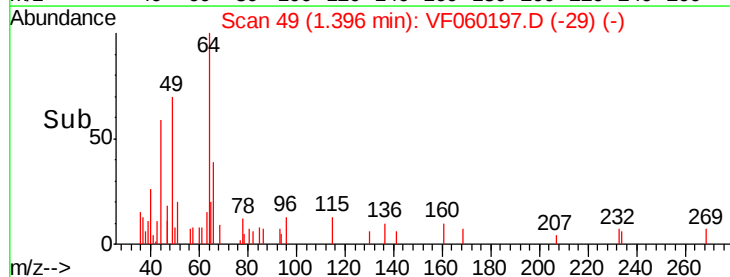
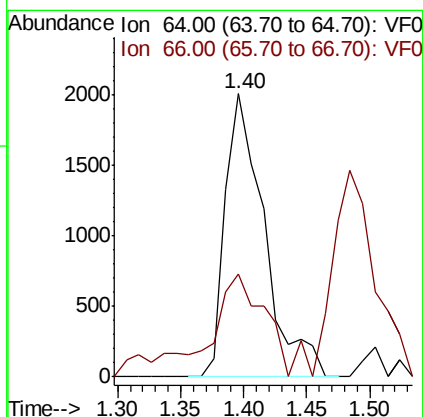
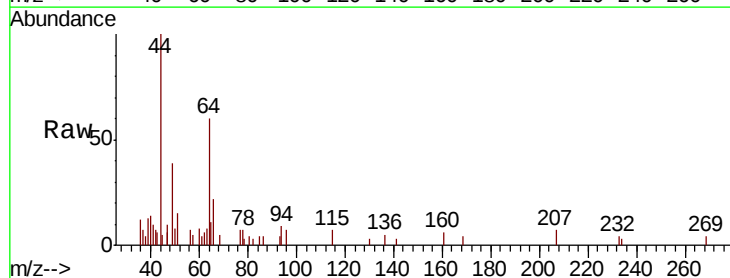
Acq: 6 Sep 2018 11:45

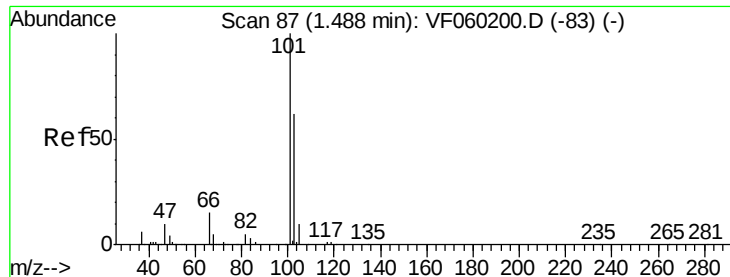
Tgt Ion: 64 Resp: 4314

Ion Ratio Lower Upper

64 100

66 36.6 27.1 40.7





#7

Trichlorofluoromethane

Concen: 5.00 ug/l

RT: 1.48 min Scan# 58

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 19193

Ion Ratio Lower Upper

101 100

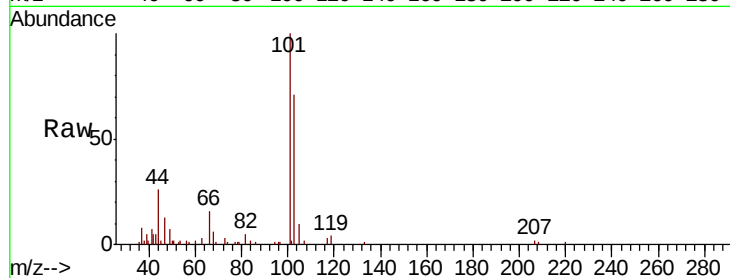
103 71.0 49.5 74.3

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

10000

8000

6000

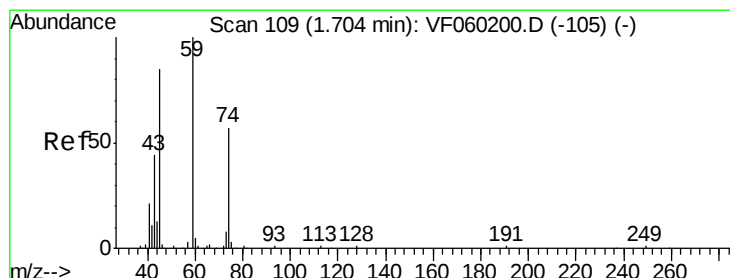
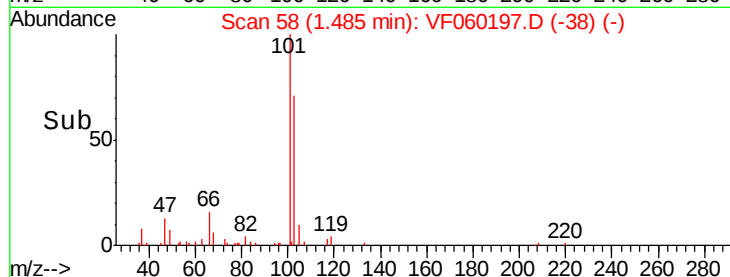
4000

2000

0

1.40 1.45 1.50 1.55 1.60

Time-->



#8

Diethyl Ether

Concen: 5.23 ug/l

RT: 1.70 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060197.D

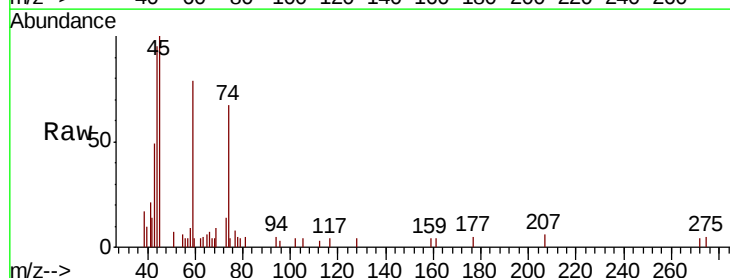
Acq: 6 Sep 2018 11:45

Tgt Ion: 74 Resp: 2987

Ion Ratio Lower Upper

74 100

45 148.2 75.3 225.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

3000

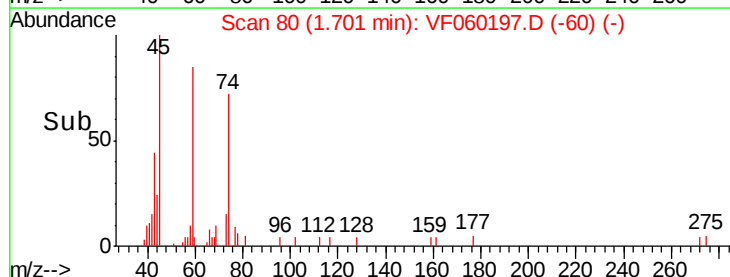
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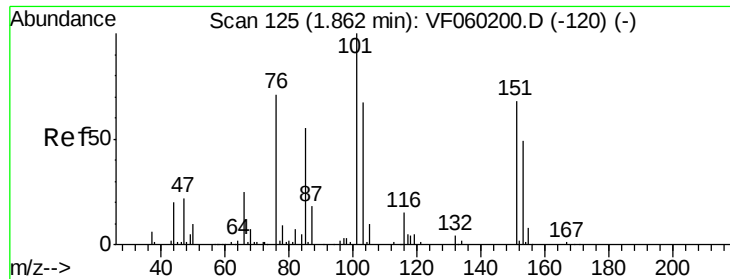
1000

0

1.65 1.70 1.75 1.80

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.90 ug/l

RT: 1.86 min Scan# 96

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

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MSVOA_F

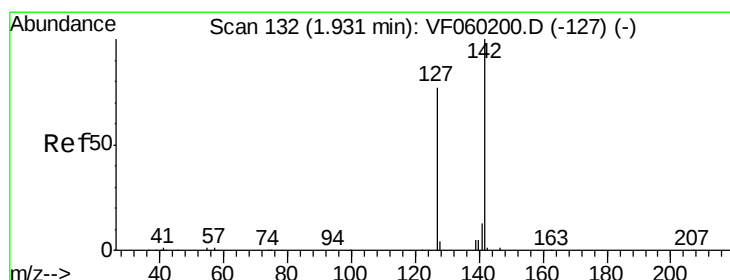
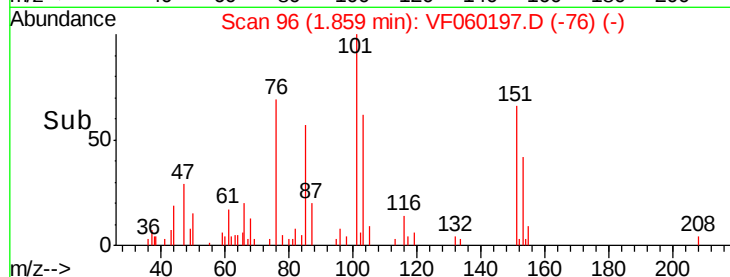
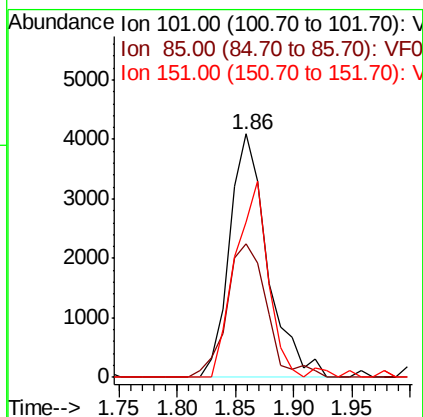
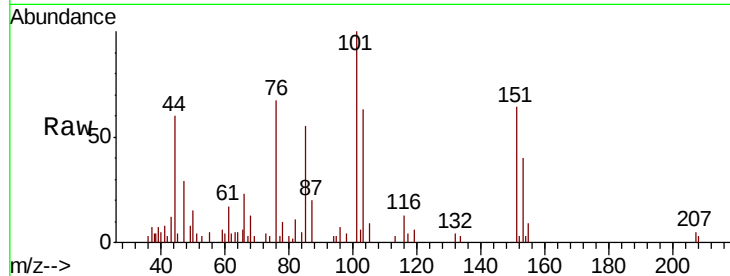
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	9244
Ion	Ratio	Lower	Upper
101	100		
85	54.9	43.0	64.4
151	63.9	53.6	80.4

Manual Integrations
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#10

Methyl Iodide

Concen: 5.66 ug/l

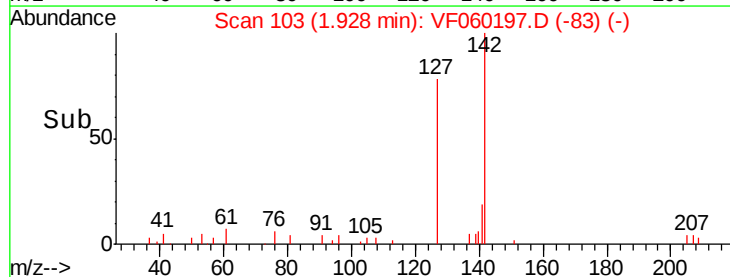
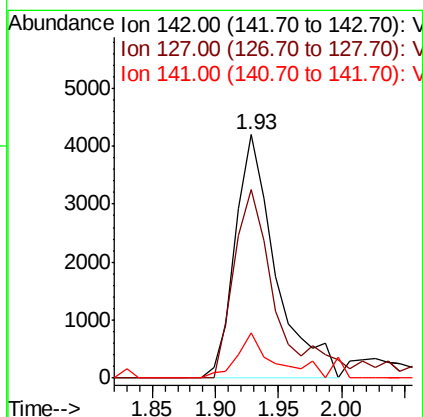
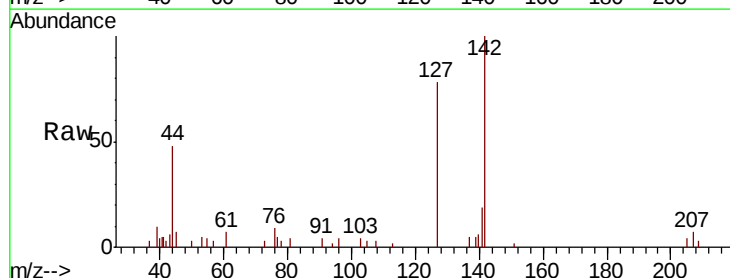
RT: 1.93 min Scan# 103

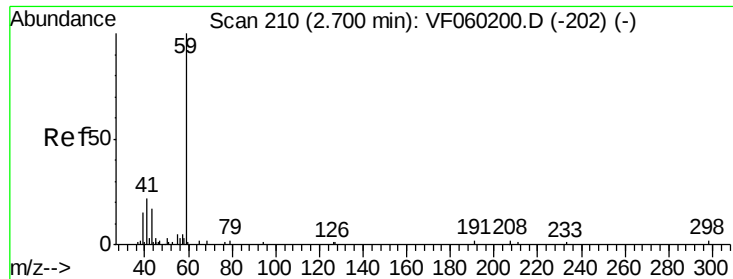
Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Tgt Ion:	142	Resp:	9343
Ion	Ratio	Lower	Upper
142	100		
127	77.7	61.1	91.7
141	18.6	10.6	15.8#





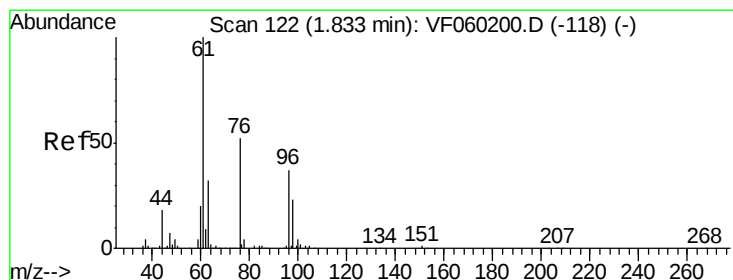
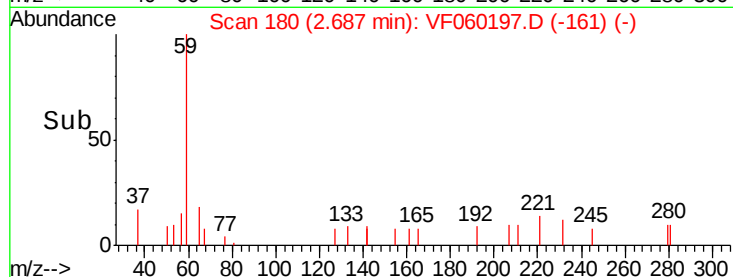
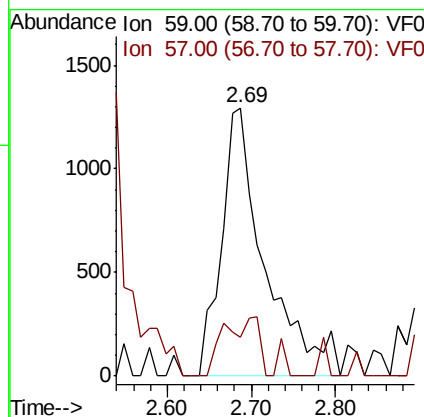
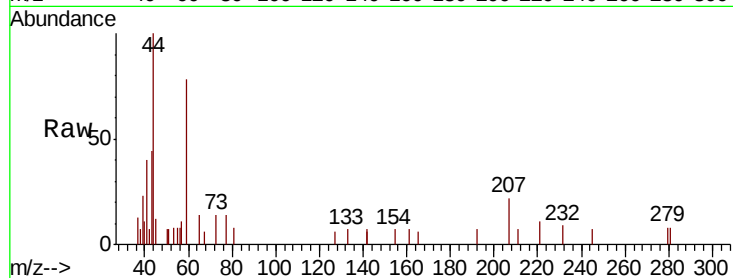
#11
Tert butyl alcohol
Concen: 33.71 ug/l
RT: 2.69 min Scan# 180
Delta R.T. -0.01 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 4632
Ion Ratio Lower Upper
59 100
57 14.7 7.2 10.8#

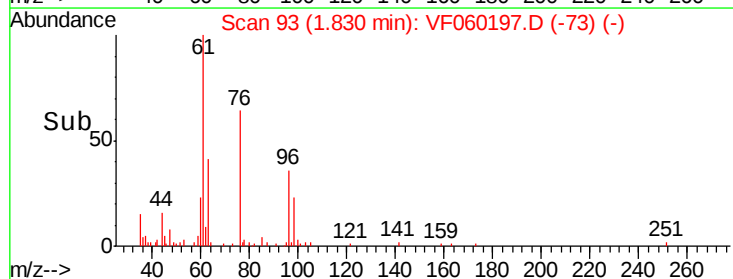
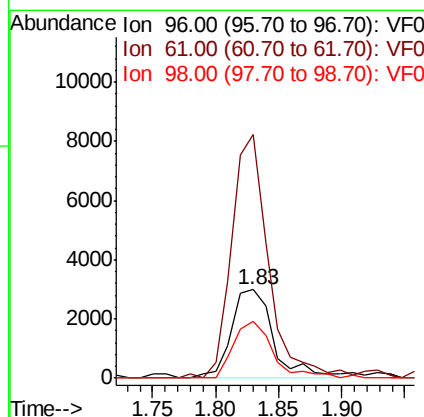
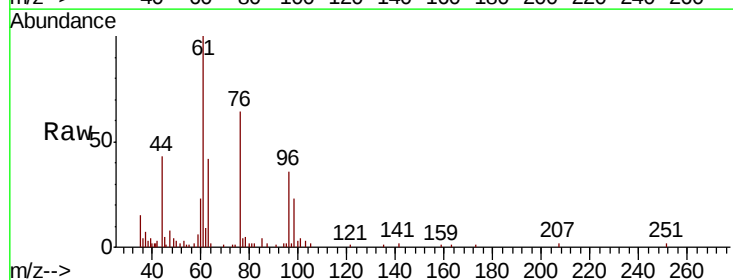
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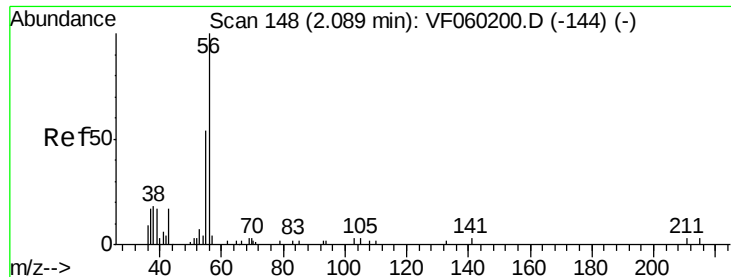
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#12
1,1-Dichloroethene
Concen: 5.44 ug/l
RT: 1.83 min Scan# 93
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion: 96 Resp: 6910
Ion Ratio Lower Upper
96 100
61 274.8 214.6 321.8
98 63.9 50.7 76.1





#13

Acrolein

Concen: 33.89 ug/l

RT: 2.10 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 2470

Ion Ratio Lower Upper

56 100

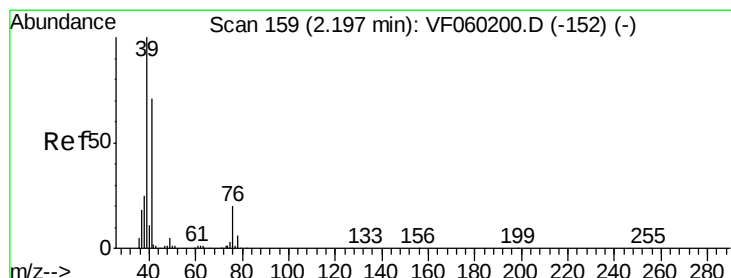
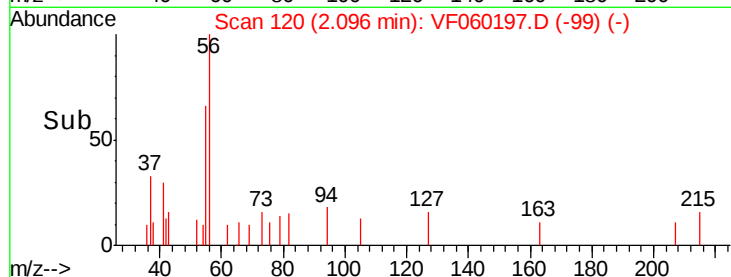
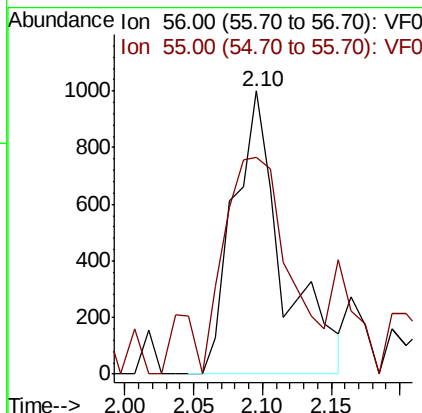
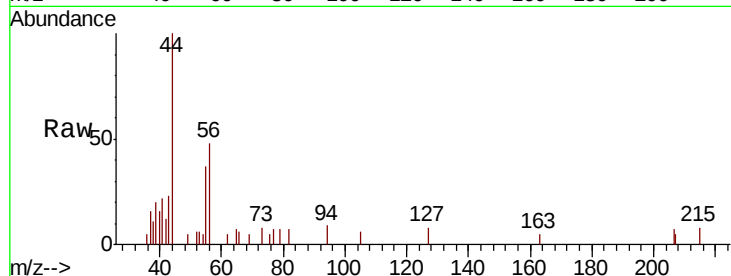
55 76.5 45.1 67.7#

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#14

Allyl chloride

Concen: 5.25 ug/l

RT: 2.18 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

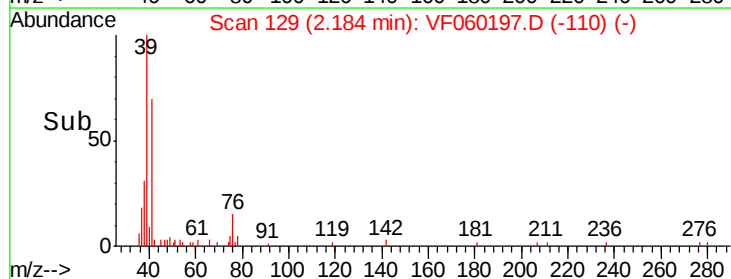
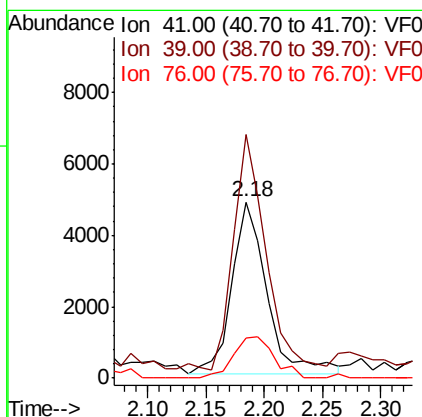
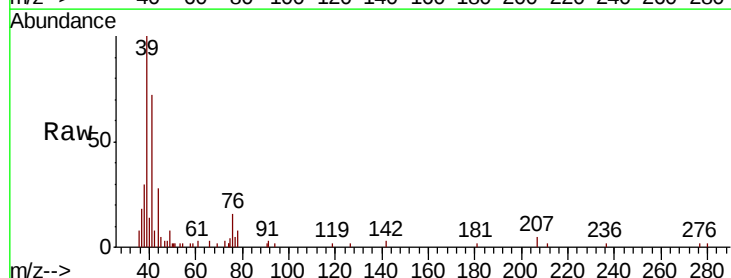
Tgt Ion: 41 Resp: 10016

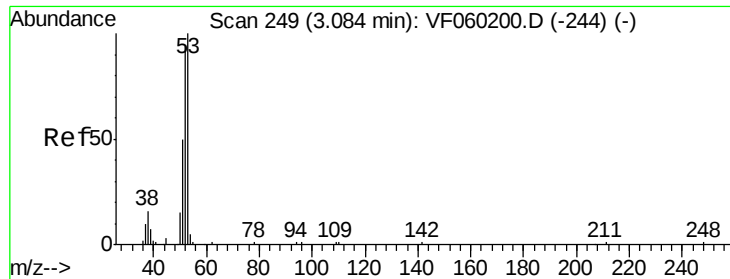
Ion Ratio Lower Upper

41 100

39 138.4 112.2 168.2

76 22.5 23.2 34.8#





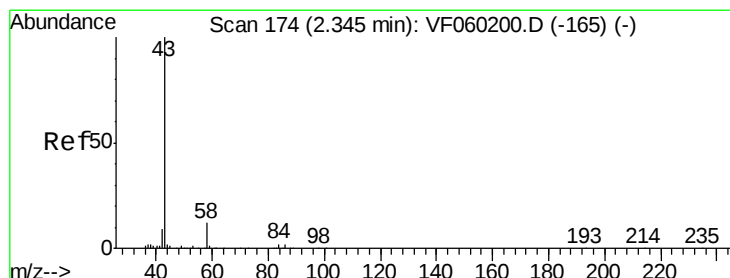
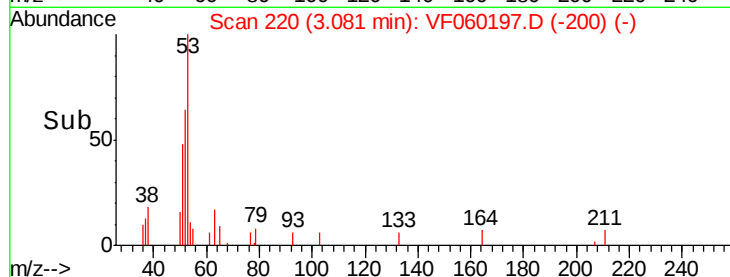
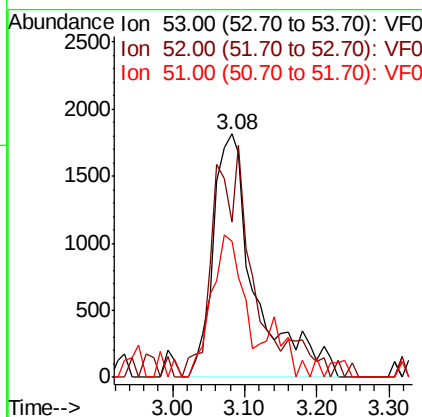
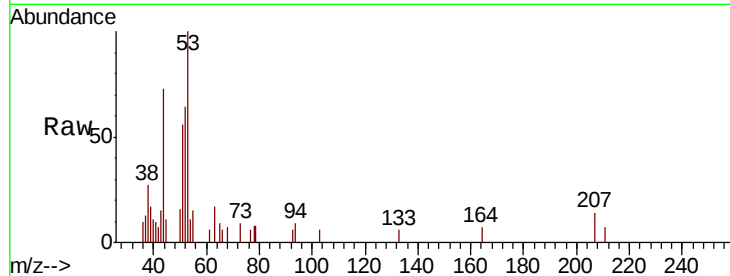
#15
 Acrylonitrile
 Concen: 31.21 ug/l
 RT: 3.08 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
53	100		
52	63.9	75.0	112.6#
51	56.1	39.9	59.9

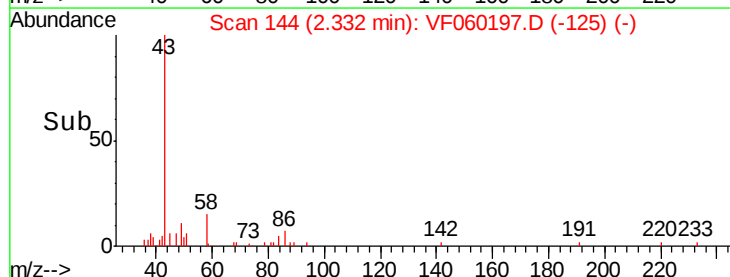
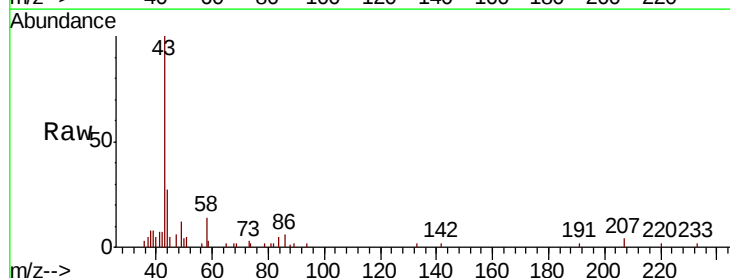
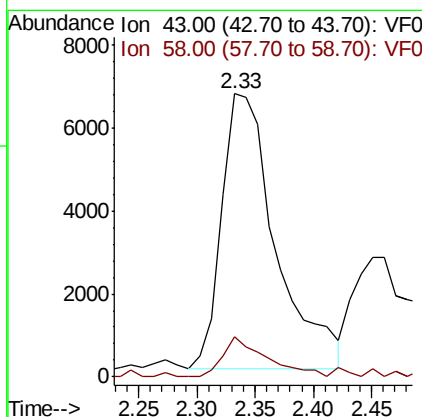
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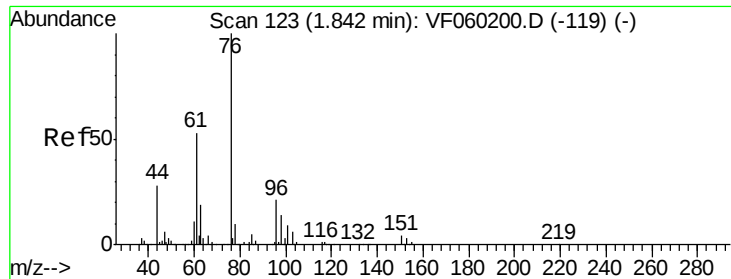
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#16
 Acetone
 Concen: 31.60 ug/l
 RT: 2.33 min Scan# 144
 Delta R.T. -0.01 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.0	9.7	14.5





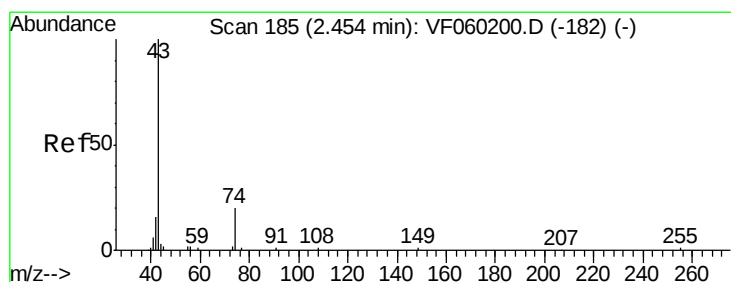
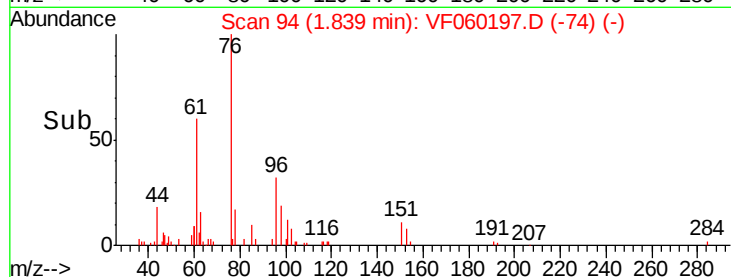
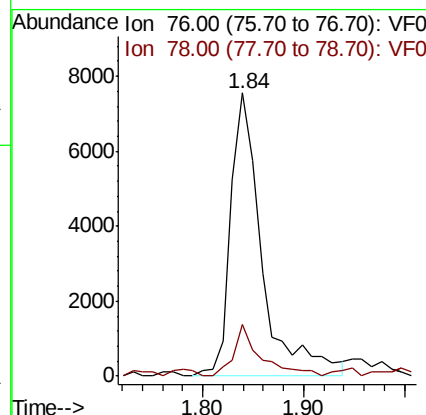
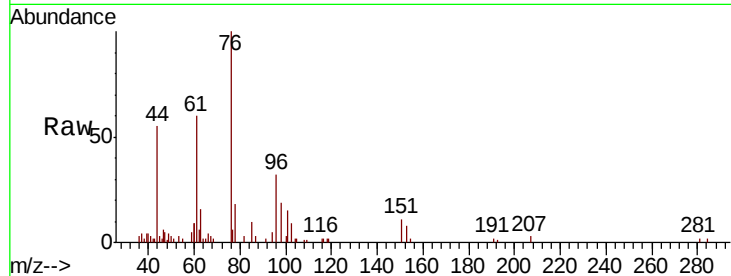
#17
Carbon Disulfide
Concen: 4.41 ug/l
RT: 1.84 min Scan# 94
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	18.3	8.5	12.7#

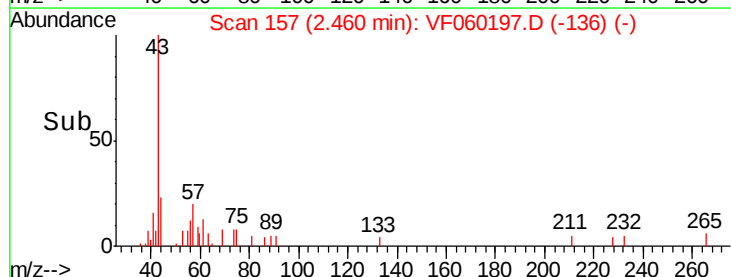
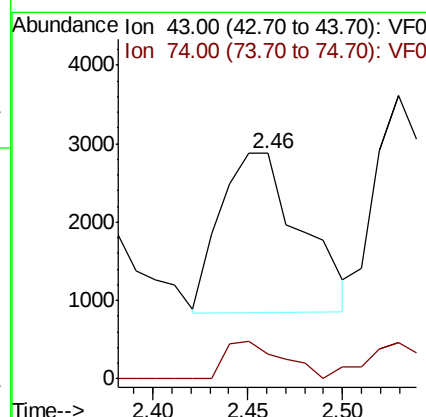
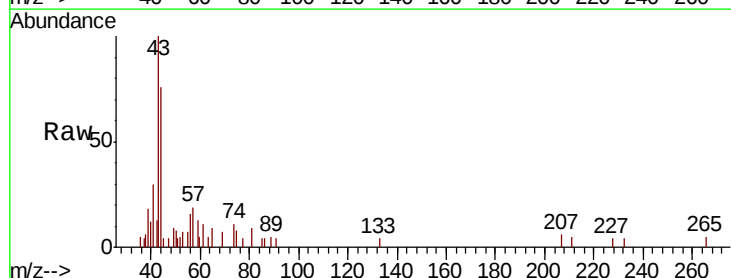
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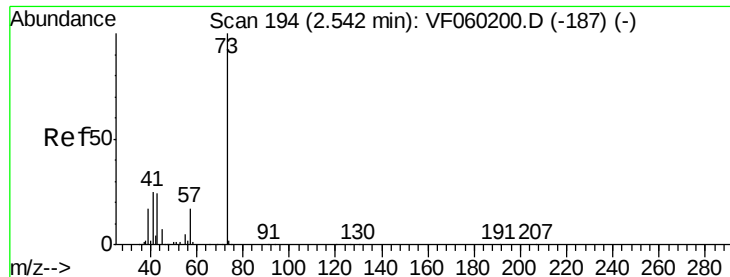
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#18
Methyl Acetate
Concen: 5.53 ug/l m
RT: 2.46 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	11.1	11.9	17.9#





#19

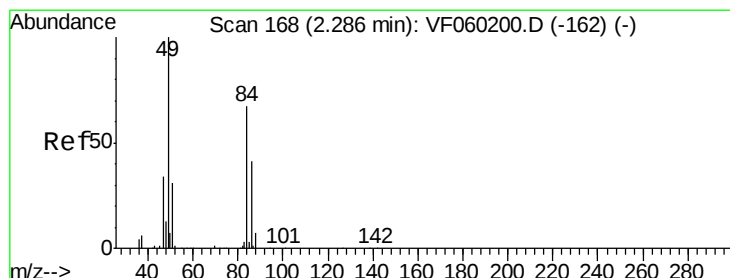
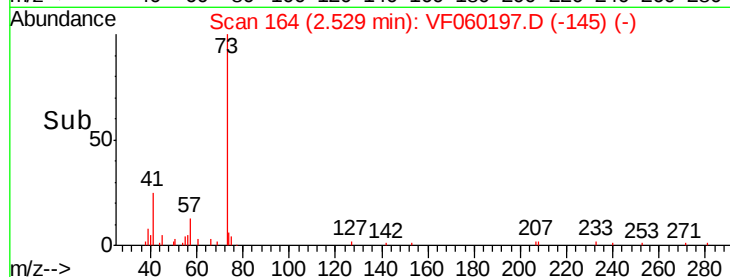
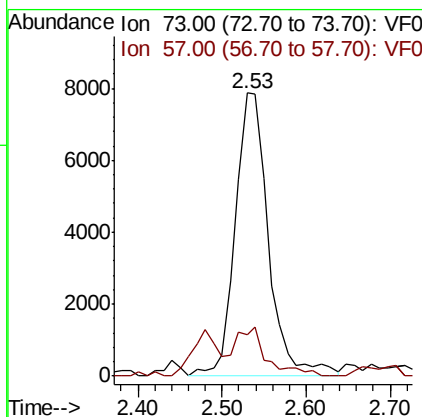
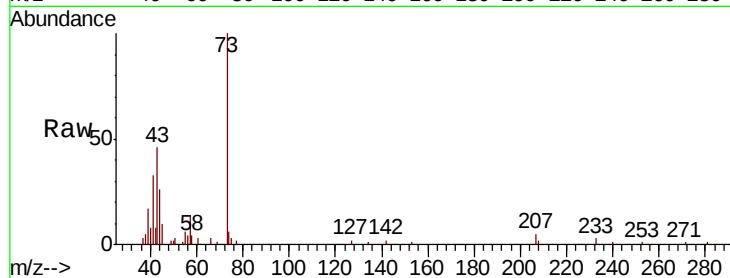
Methyl tert-butyl Ether
 Concen: 5.17 ug/l
 RT: 2.53 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	14.4	14.3	21.5

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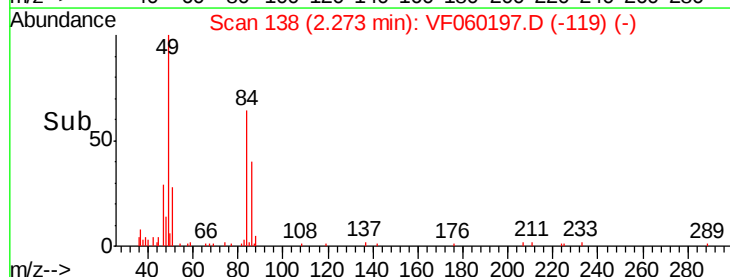
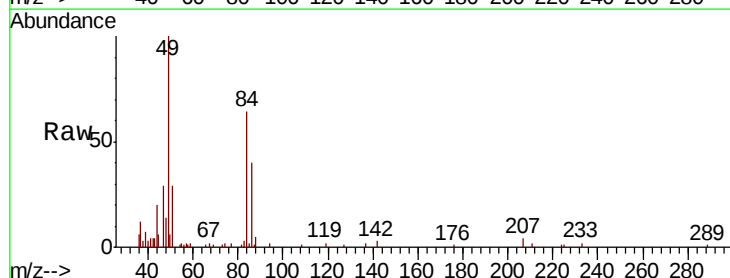
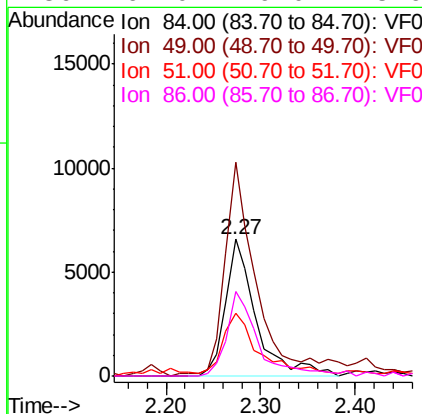
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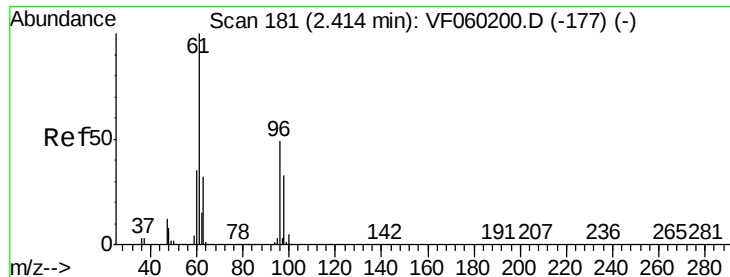


#20

Methylene Chloride
 Concen: 7.27 ug/l
 RT: 2.27 min Scan# 138
 Delta R.T. -0.01 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.1	120.1	180.1
51	45.7	37.0	55.6
86	62.0	49.0	73.6





#21

trans-1,2-Dichloroethene

Concen: 4.67 ug/l

RT: 2.41 min Scan# 152

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

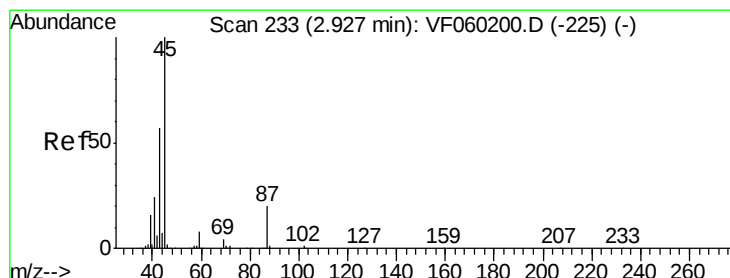
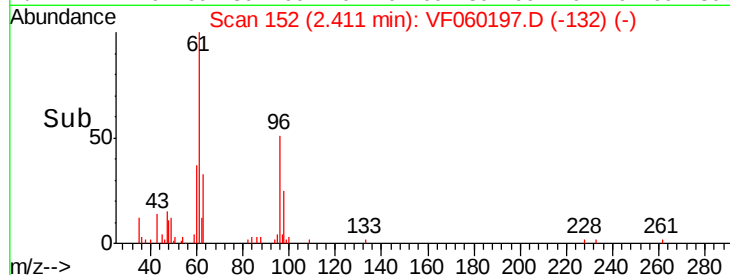
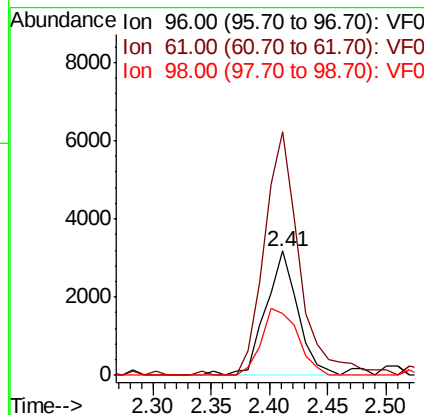
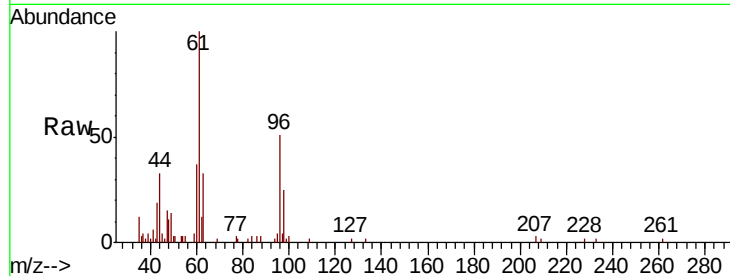
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	6041
Ion	Ratio	Lower	Upper
96	100		
61	196.3	163.1	244.7
98	50.0	54.1	81.1#

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#22

Diisopropyl ether

Concen: 5.22 ug/l

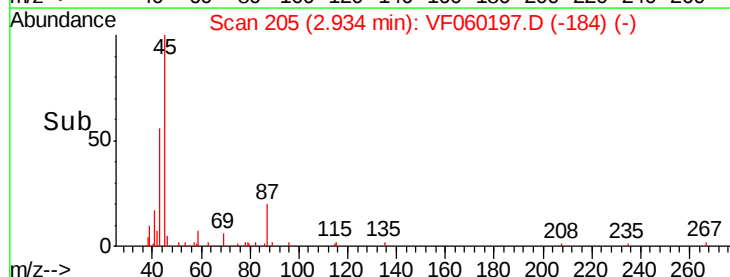
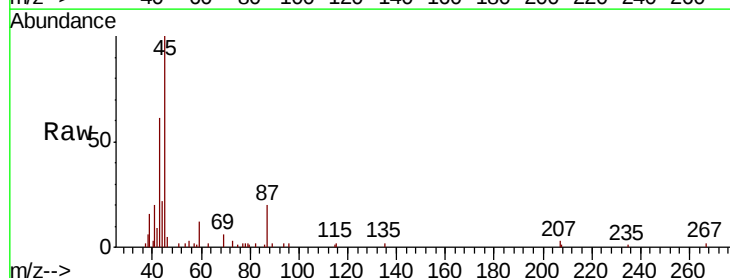
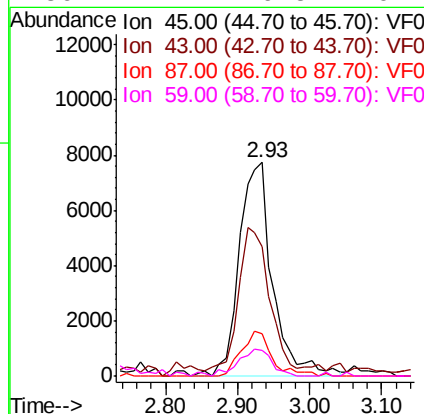
RT: 2.93 min Scan# 205

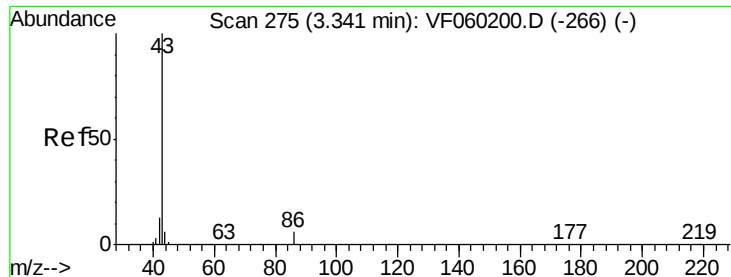
Delta R.T. 0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Tgt Ion:	45	Resp:	25004
Ion	Ratio	Lower	Upper
45	100		
43	60.7	46.2	69.4
87	19.9	16.1	24.1
59	12.1	6.5	9.7#





#23

Vinyl Acetate

Concen: 16.01 ug/l

RT: 3.33 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 26825

Ion Ratio Lower Upper

43 100

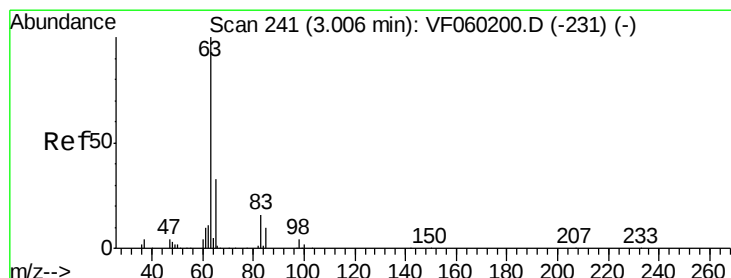
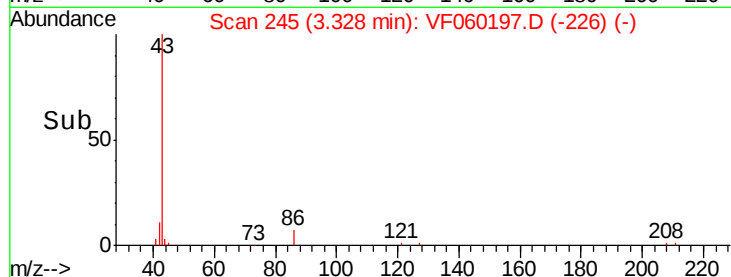
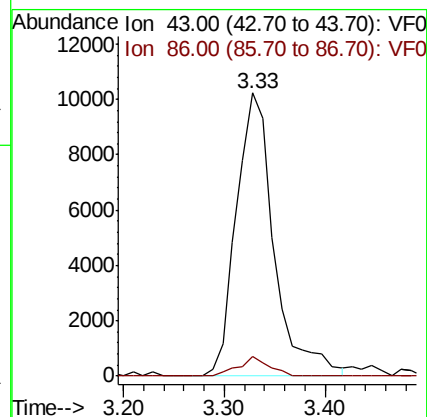
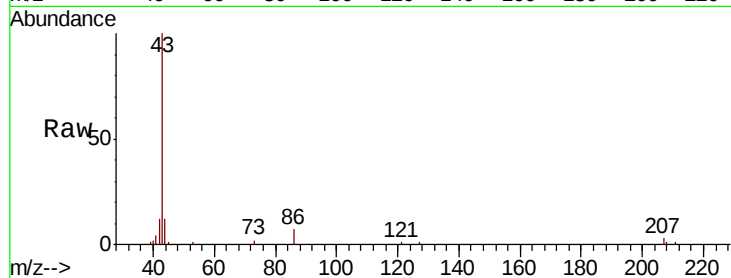
86 6.9 4.8 7.2

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#24

1,1-Dichloroethane

Concen: 4.98 ug/l

RT: 3.00 min Scan# 212

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

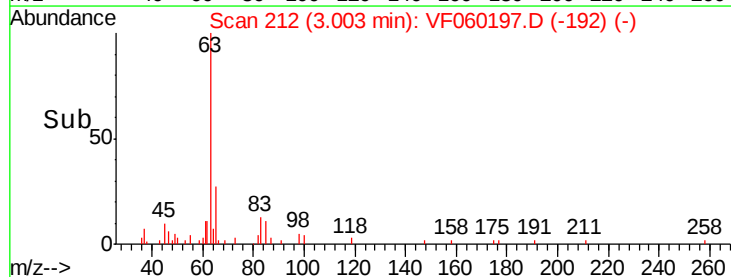
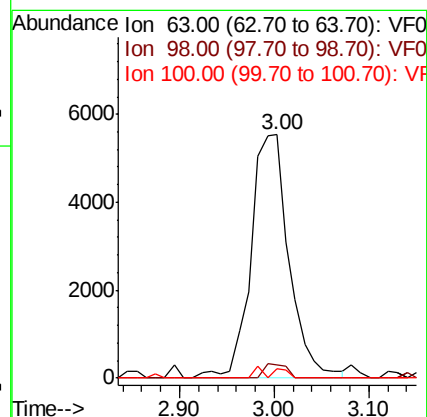
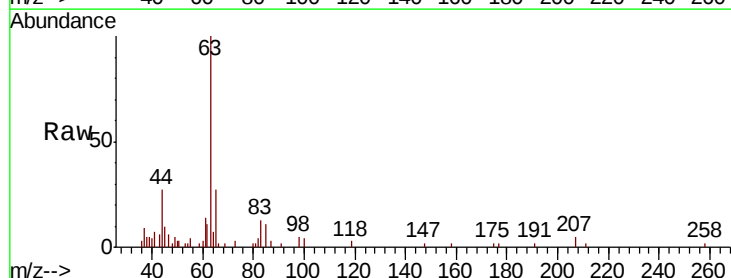
Tgt Ion: 63 Resp: 15497

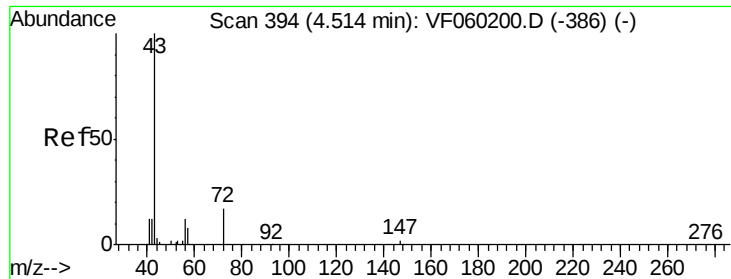
Ion Ratio Lower Upper

63 100

98 5.2 1.9 5.7

100 4.0 1.1 3.1#





#25

2-Butanone

Concen: 28.20 ug/l

RT: 4.50 min Scan# 364

Delta R.T. -0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 24183

Ion Ratio Lower Upper

43 100

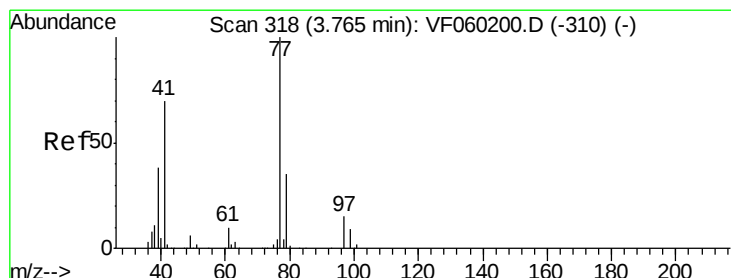
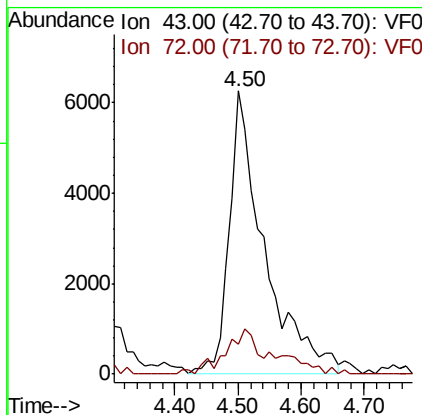
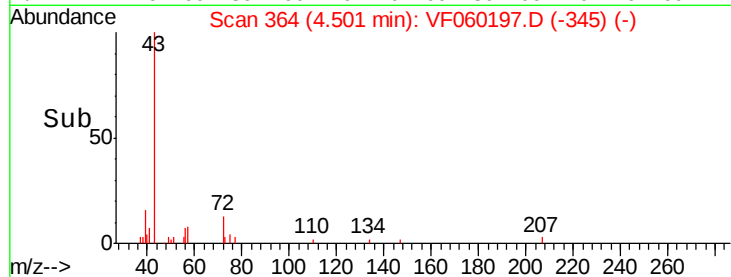
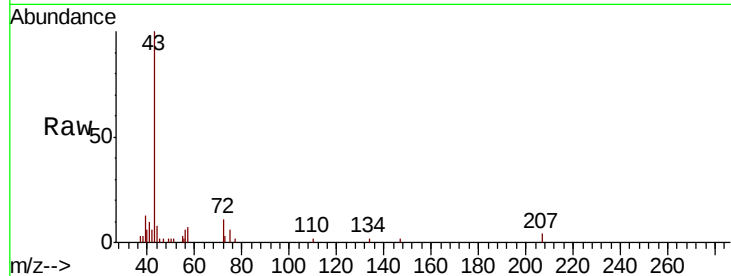
72 10.5 14.8 22.2#

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#26

2,2-Dichloropropane

Concen: 3.94 ug/l

RT: 3.74 min Scan# 287

Delta R.T. -0.02 min

Lab File: VF060197.D

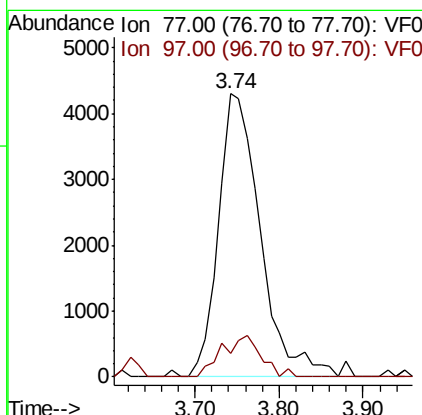
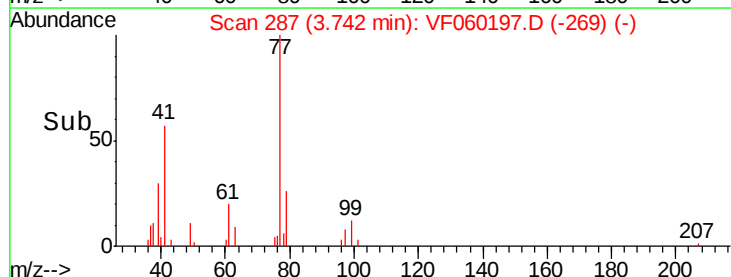
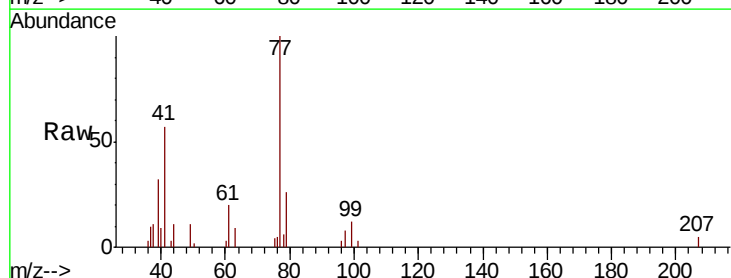
Acq: 6 Sep 2018 11:45

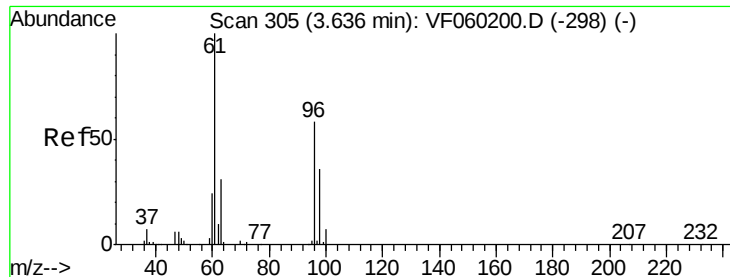
Tgt Ion: 77 Resp: 14865

Ion Ratio Lower Upper

77 100

97 8.3 7.5 22.5





#27

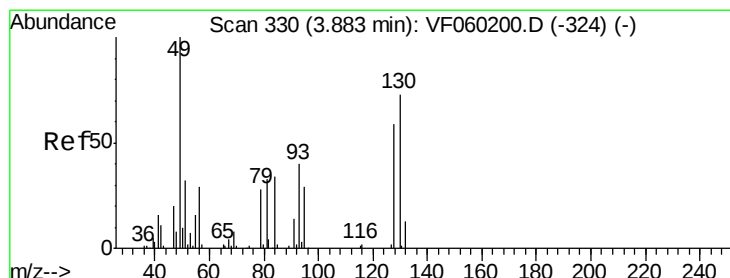
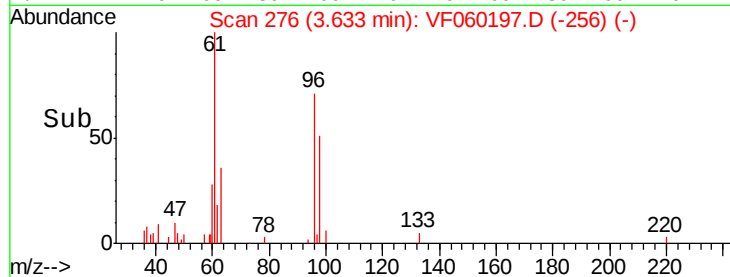
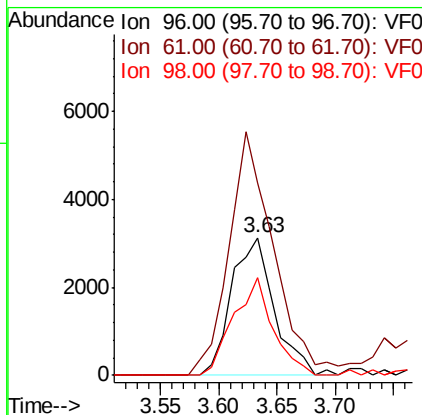
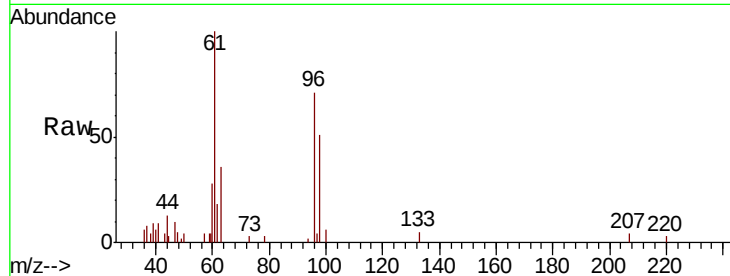
cis-1,2-Dichloroethene
Concen: 4.75 ug/l
RT: 3.63 min Scan# 276
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	345.2
98	71.2	0.0	124.6

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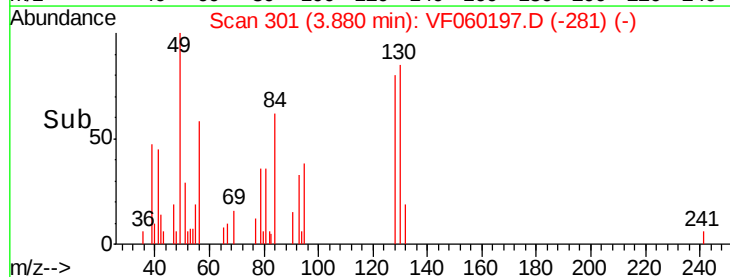
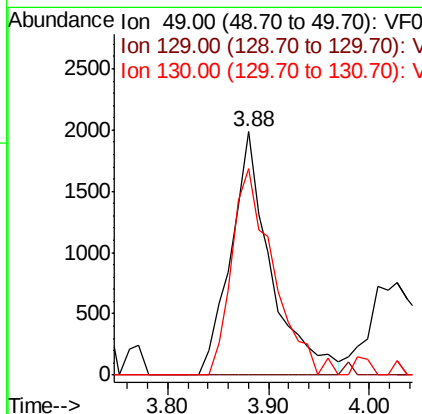
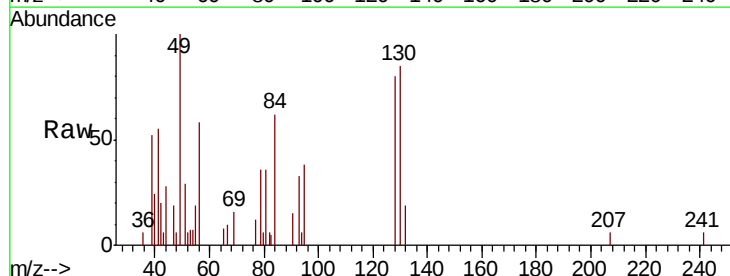
apatel
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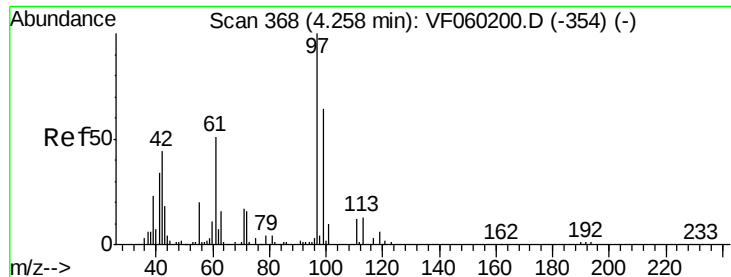


#28

Bromochloromethane
Concen: 5.19 ug/l
RT: 3.88 min Scan# 301
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	85.0	57.8	86.6





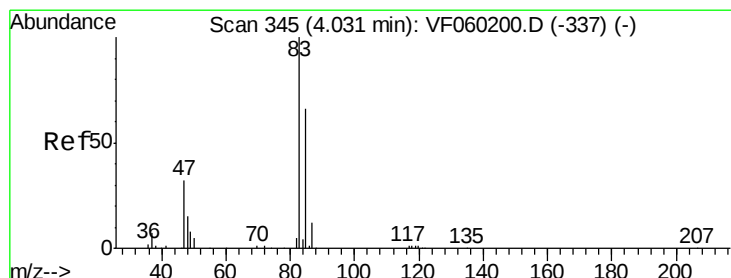
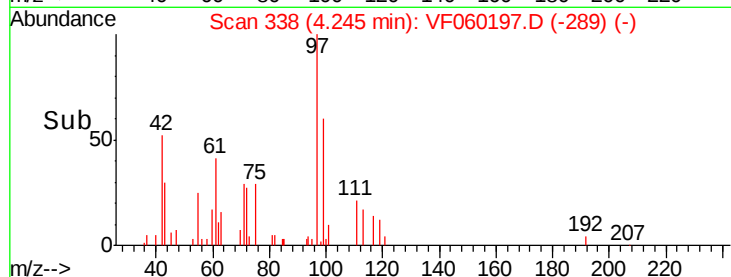
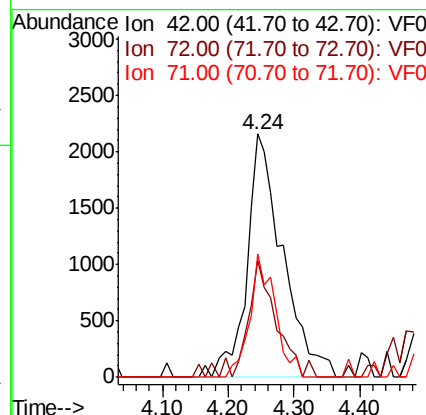
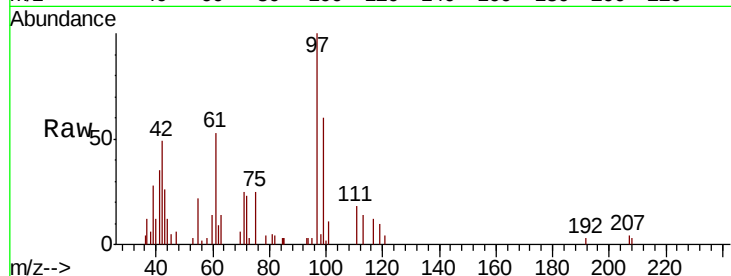
#29
Tetrahydrofuran
Concen: 28.85 ug/l
RT: 4.24 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	27.4	41.0
71	36.1	28.5	42.7

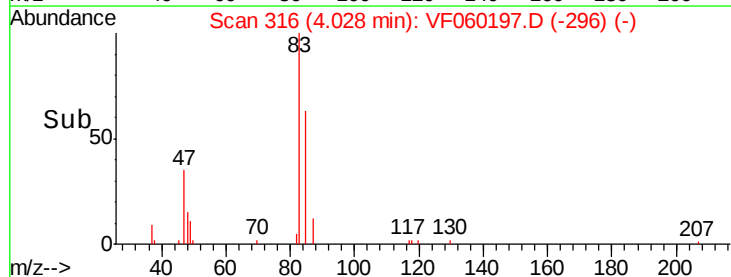
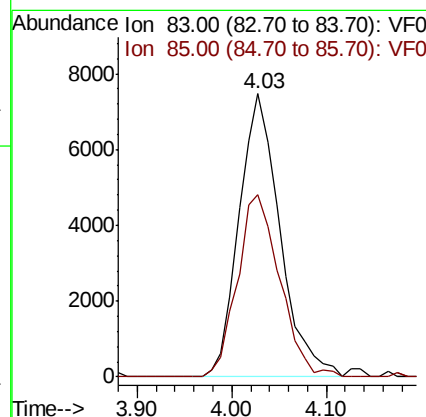
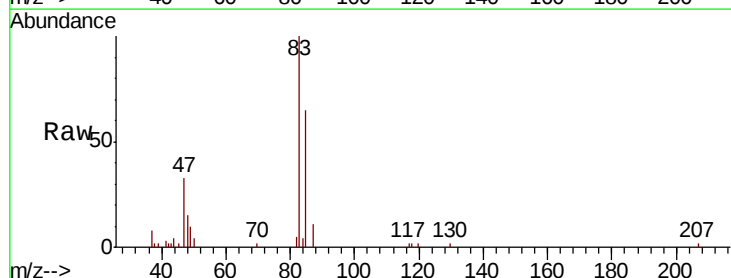
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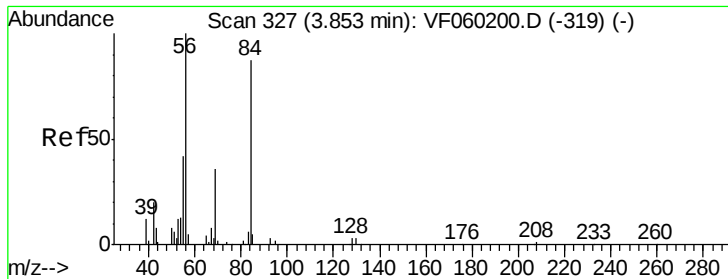
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#30
Chloroform
Concen: 4.88 ug/l
RT: 4.03 min Scan# 316
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	79.0





#31

Cyclohexane

Concen: 4.71 ug/l

RT: 3.85 min Scan# 298

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

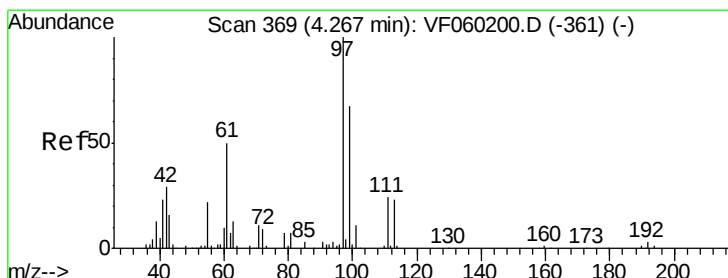
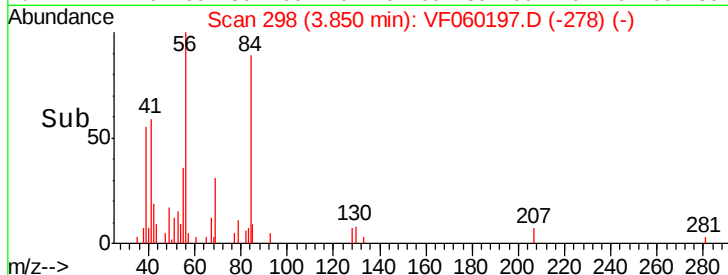
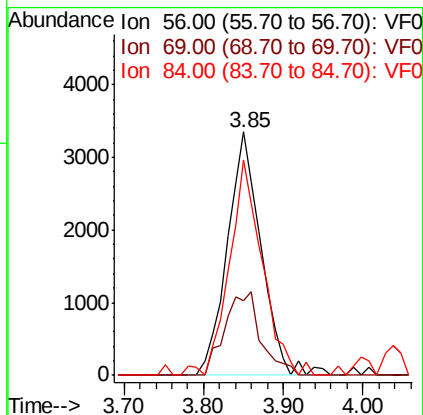
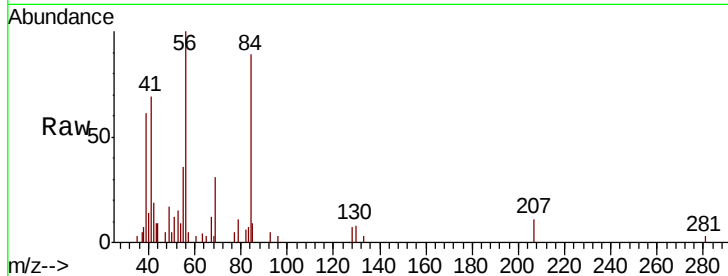
VSTDIC005

Tot Ion:	56	Resp:	9898
Ion	Ratio	Lower	Upper
56	100		
69	30.6	28.7	43.1
84	88.7	69.7	104.5

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#32

1,1,1-Trichloroethane

Concen: 4.82 ug/l

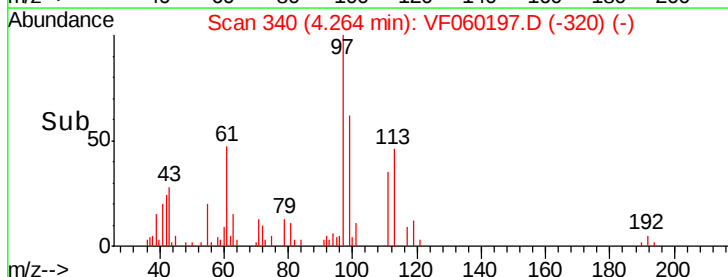
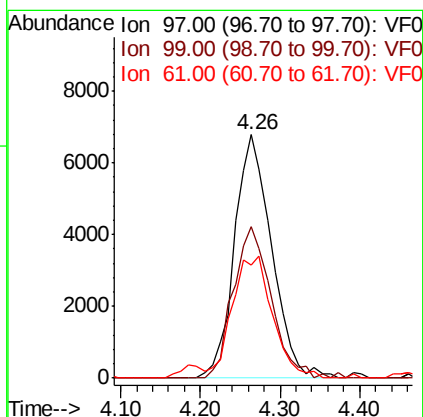
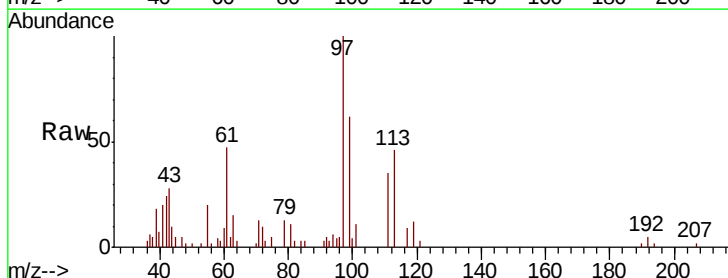
RT: 4.26 min Scan# 340

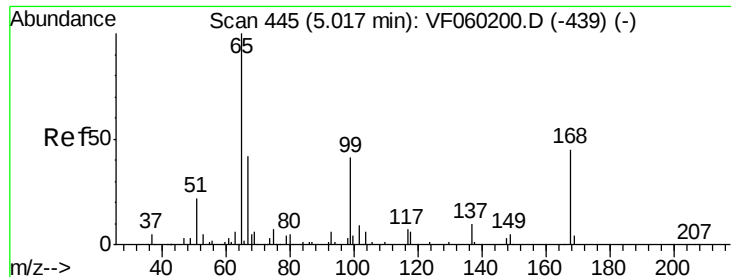
Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Tgt Ion:	97	Resp:	21988
Ion	Ratio	Lower	Upper
97	100		
99	62.2	53.5	80.3
61	46.7	40.4	60.6





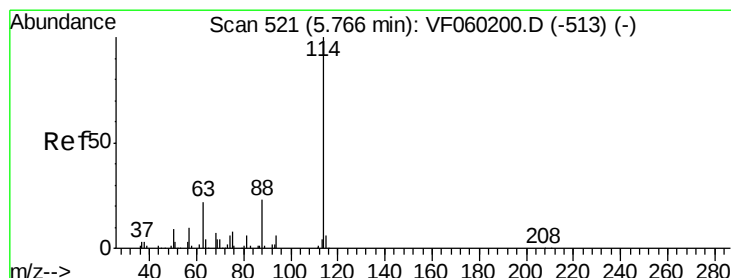
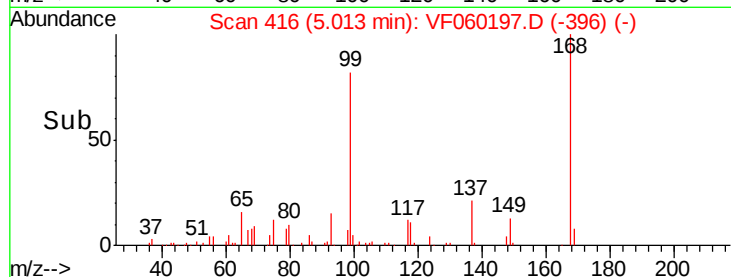
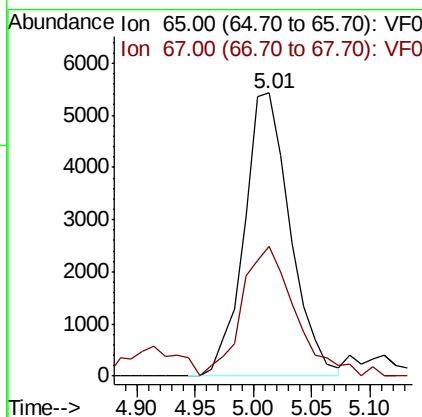
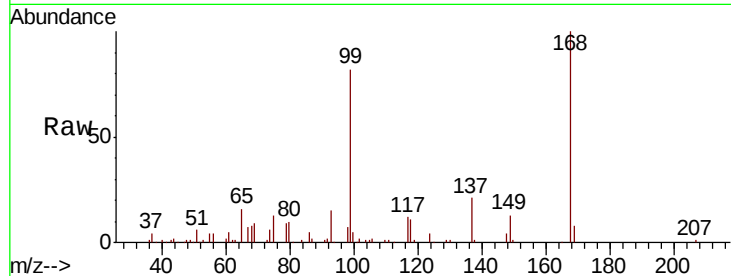
#33
 1,2-Dichloroethane-d4
 Concen: 4.81 ug/l
 RT: 5.01 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 14886
 Ion Ratio Lower Upper
 65 100
 67 46.0 0.0 87.2

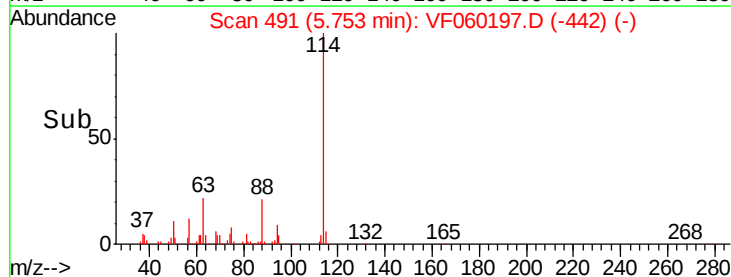
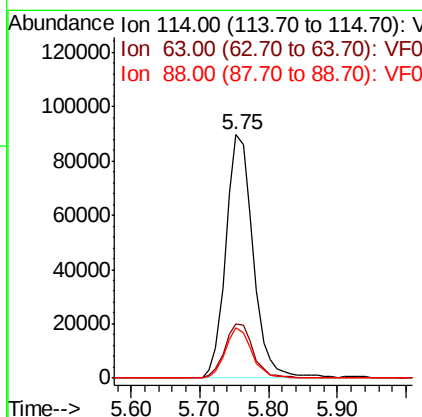
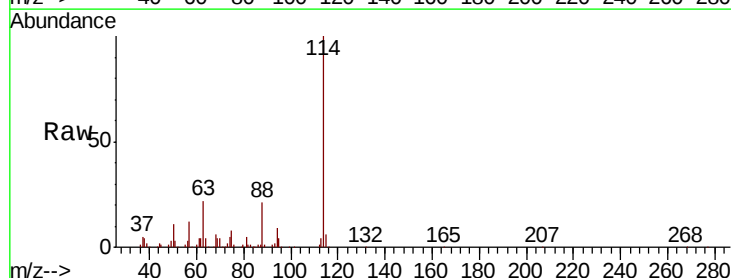
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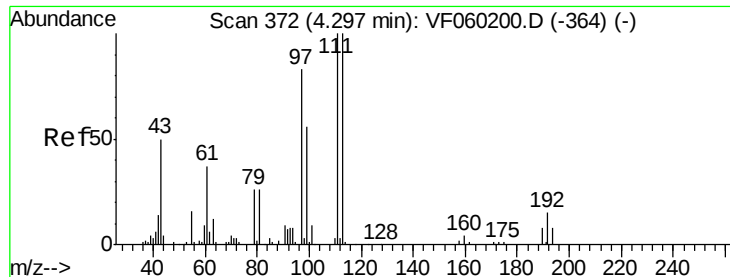
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Tgt Ion: 114 Resp: 245977
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.6
 88 20.7 0.0 46.4





#35

Dibromofluoromethane

Concen: 5.15 ug/l

RT: 4.28 min Scan# 342

Delta R.T. -0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

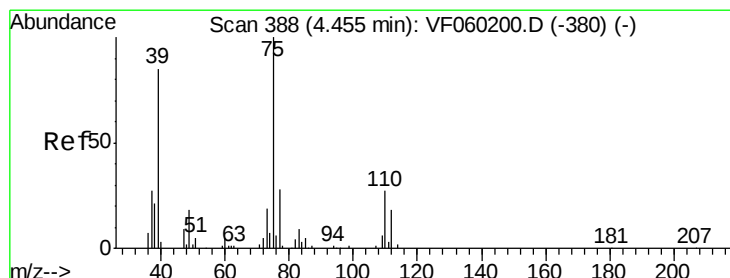
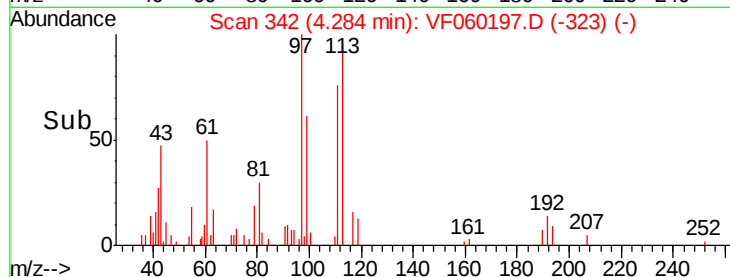
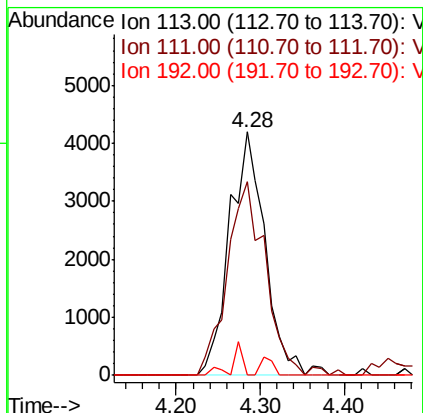
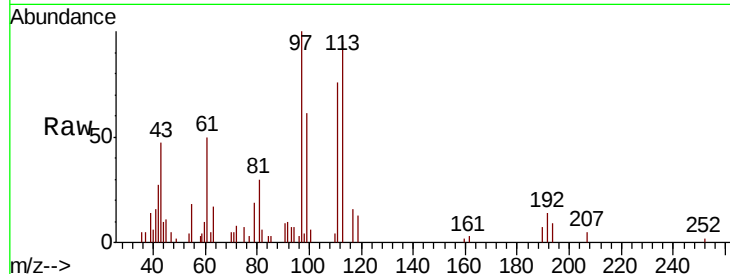
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	79.7	80.2	120.2#
192	0.0	11.8	17.8#

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#36

1,1-Dichloropropene

Concen: 4.99 ug/l

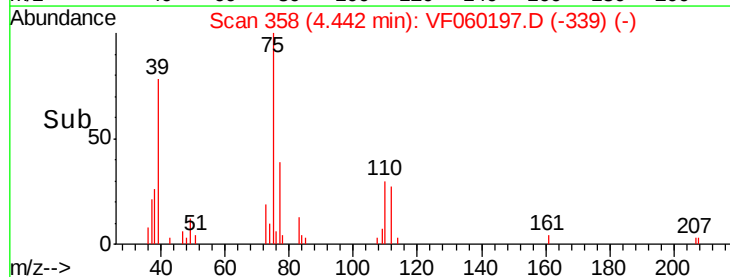
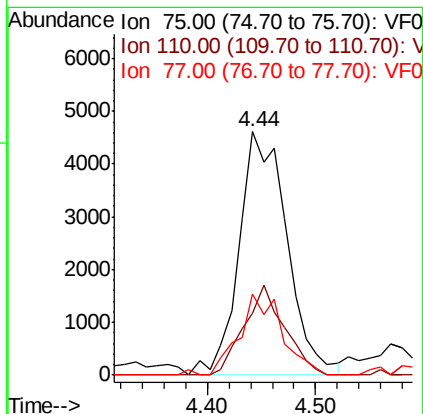
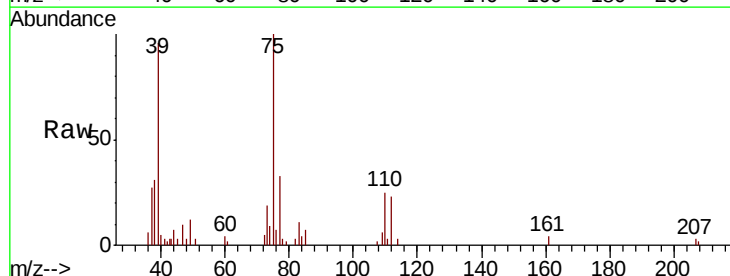
RT: 4.44 min Scan# 358

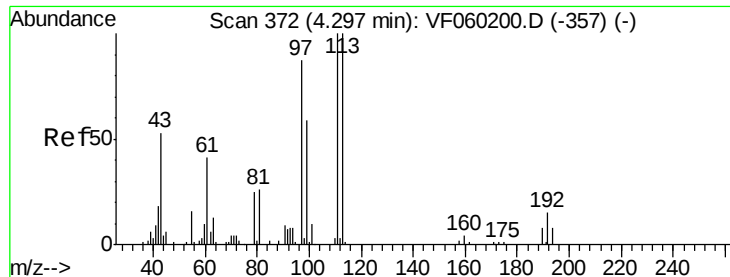
Delta R.T. -0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	25.3	13.6	40.7
77	33.2	22.7	34.1





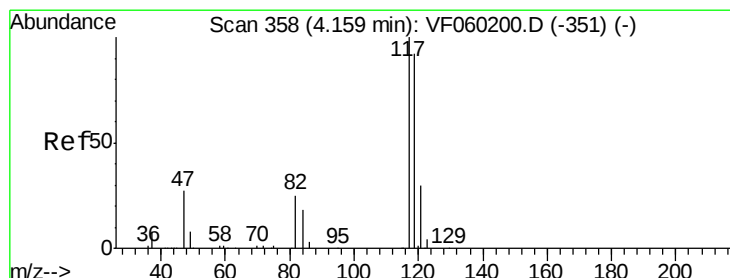
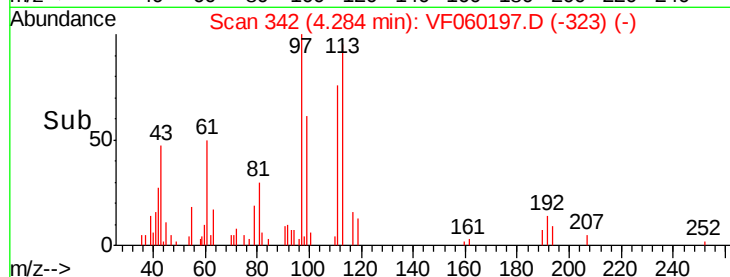
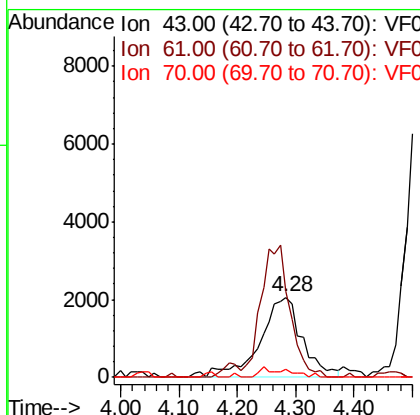
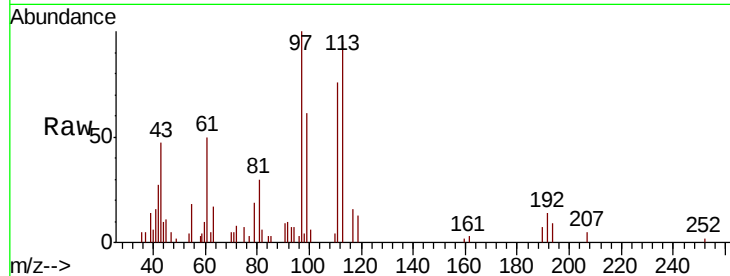
#37
Ethyl Acetate
Concen: 6.66 ug/l
RT: 4.28 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	106.7	61.6	92.4#
70	10.4	6.9	10.3#

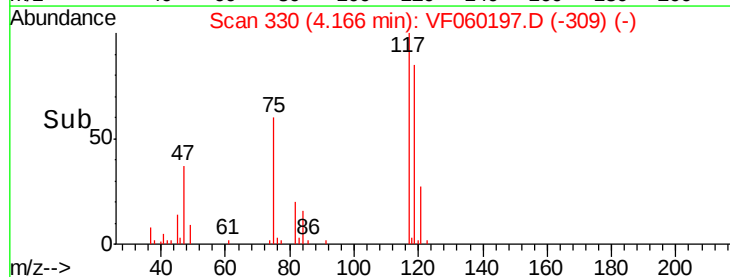
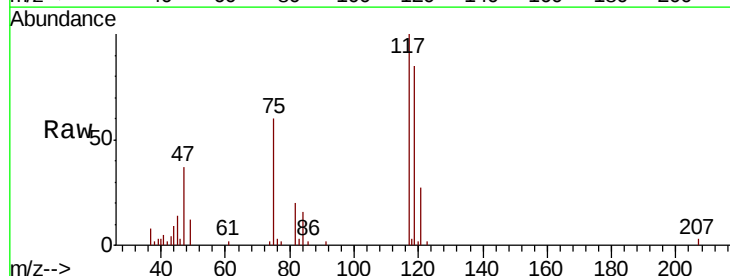
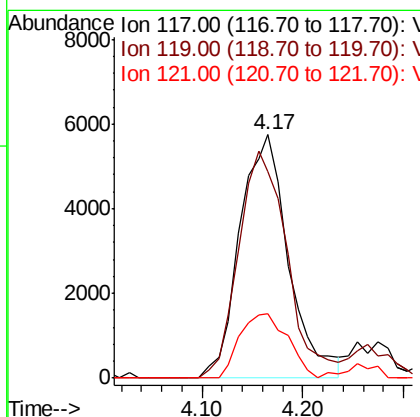
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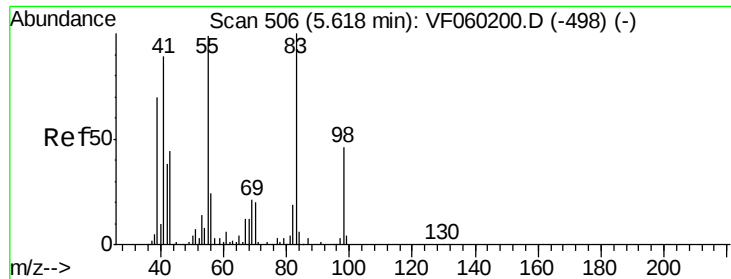
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#38
Carbon Tetrachloride
Concen: 4.83 ug/l
RT: 4.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.7	73.0	109.6
121	26.6	23.9	35.9





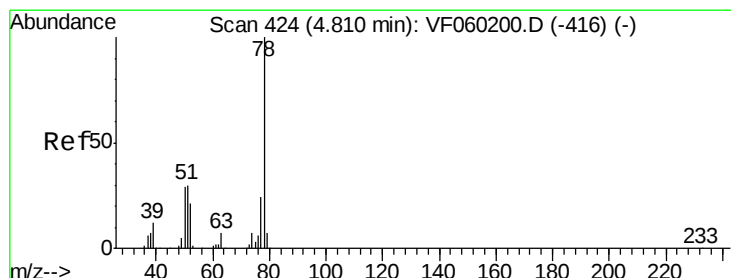
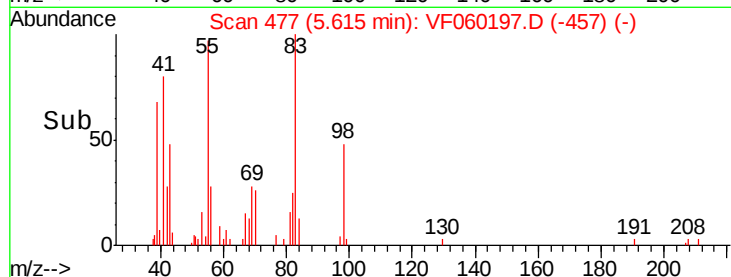
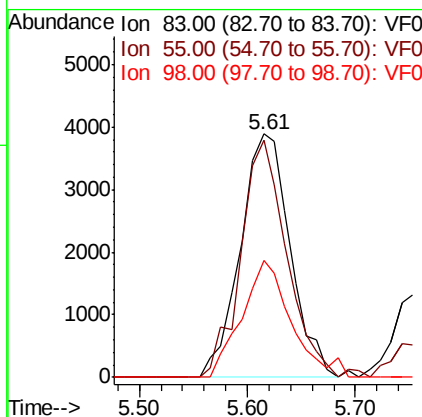
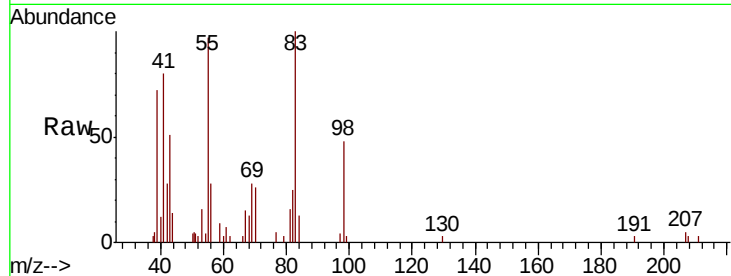
#39
Methvlcvclohexane
Concen: 5.15 ug/l
RT: 5.61 min Scan# 477
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.4	79.0	118.4
98	47.8	36.7	55.1

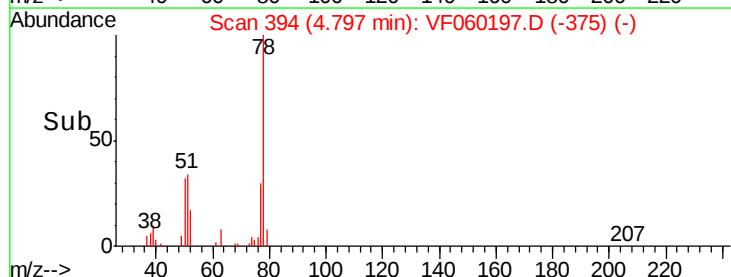
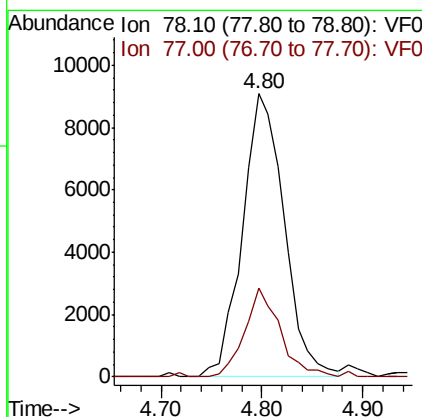
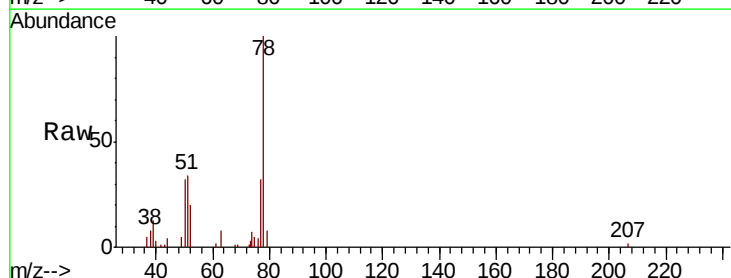
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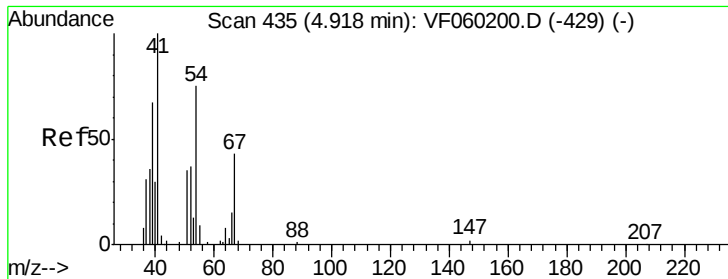
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#40
Benzene
Concen: 5.16 ug/l
RT: 4.80 min Scan# 394
Delta R.T. -0.01 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	31.5	19.0	28.4#





#41

Methacrylonitrile

Concen: 5.28 ug/l

RT: 4.91 min Scan# 406

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 3932

Ion Ratio Lower Upper

41 100

39 72.1 57.4 86.2

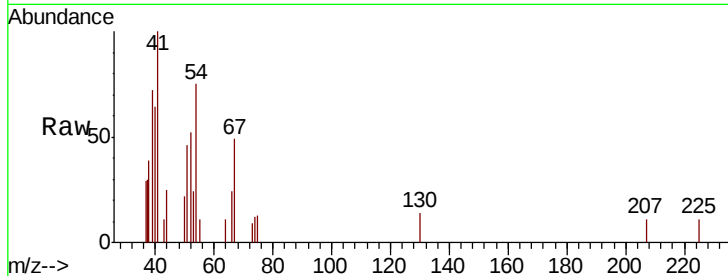
67 49.4 34.6 52.0

52 52.1 36.2 54.4

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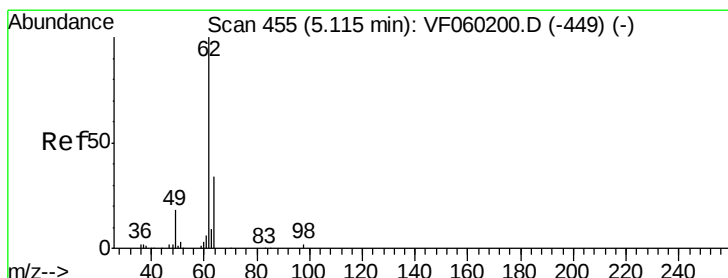
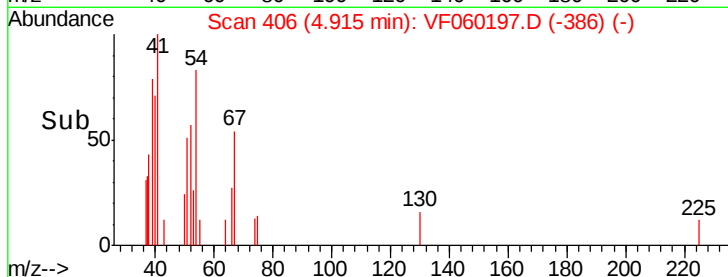
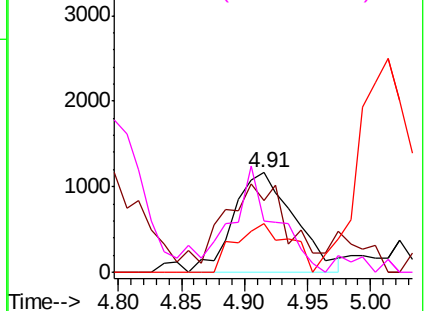


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 4.91 ug/l

RT: 5.10 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF060197.D

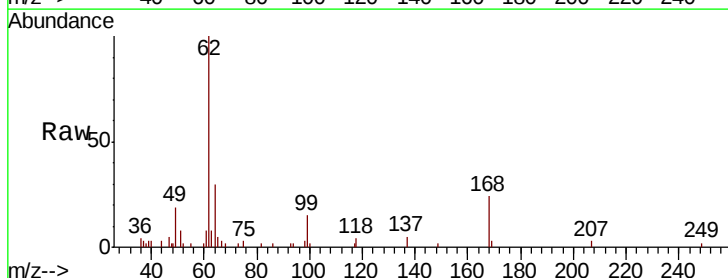
Acq: 6 Sep 2018 11:45

Tgt Ion: 62 Resp: 18319

Ion Ratio Lower Upper

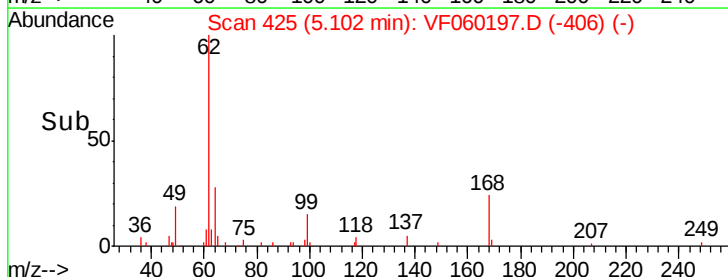
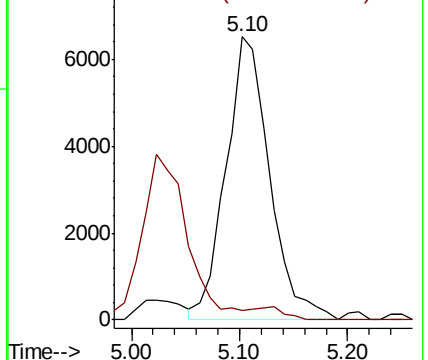
62 100

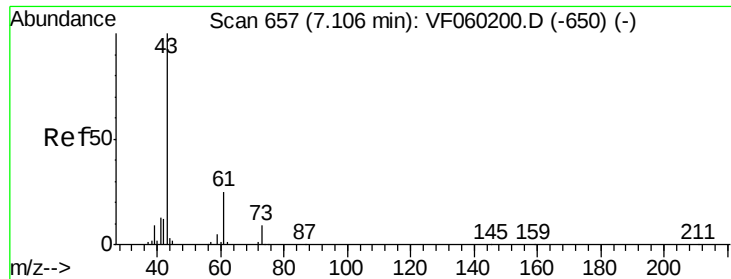
98 3.2 0.0 8.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

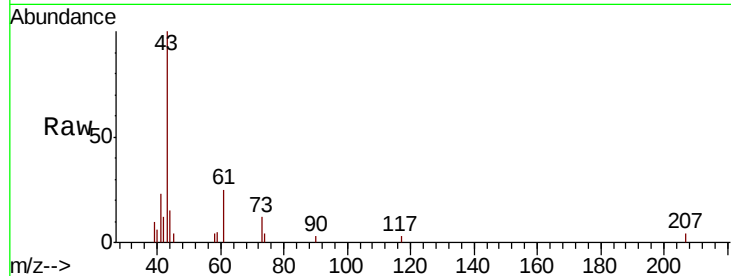
Isopropyl Acetate
 Concen: 5.19 ug/l
 RT: 7.10 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

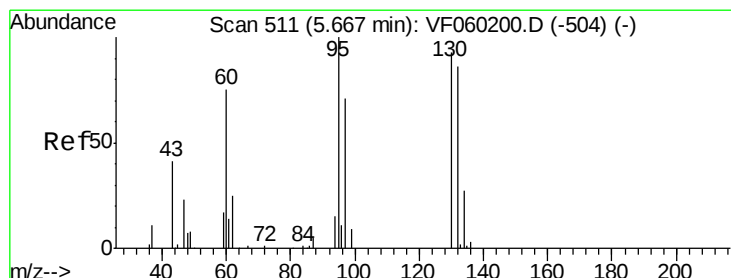
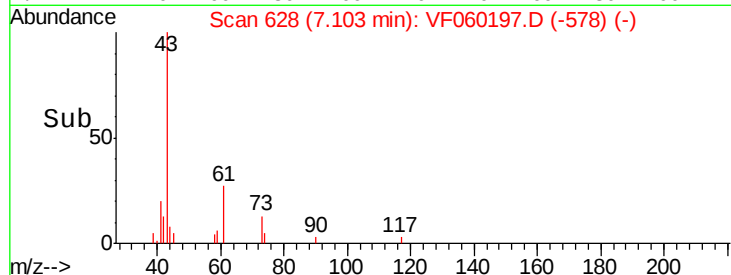
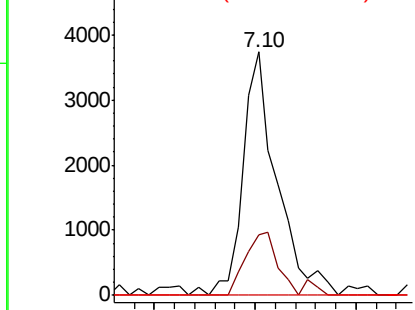
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	19.9	29.9
87	0.0	0.4	0.6

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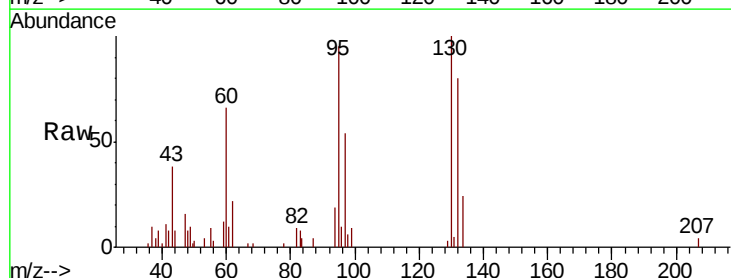
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



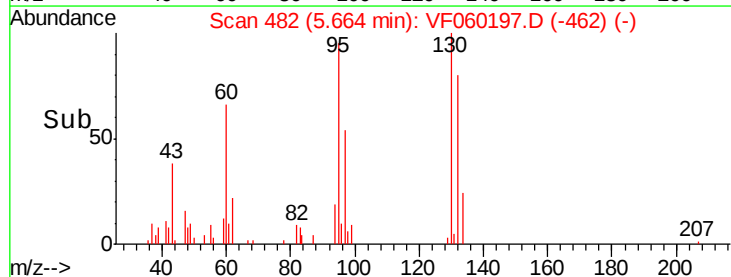
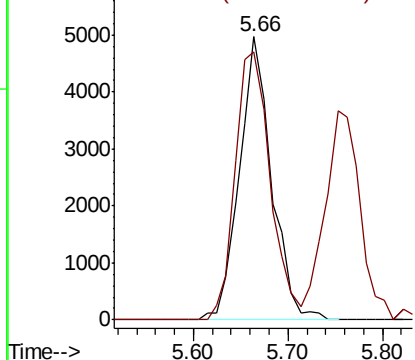
#44

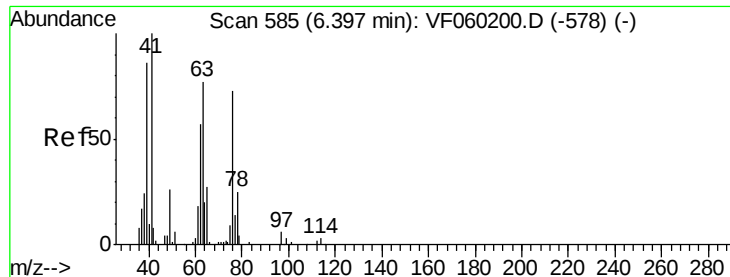
Trichloroethene
 Concen: 5.59 ug/l
 RT: 5.66 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	215.4



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 5.08 ug/l

RT: 6.40 min Scan# 557

Delta R.T. 0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 7373

Ion Ratio Lower Upper

63 100

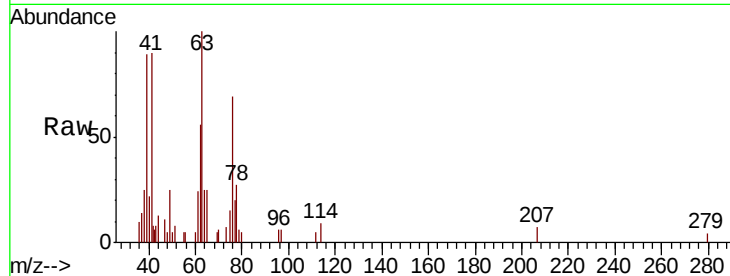
65 25.2 27.9 41.9#

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

3000

2500

2000

1500

1000

500

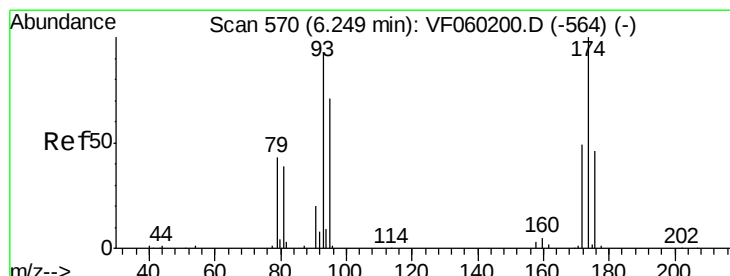
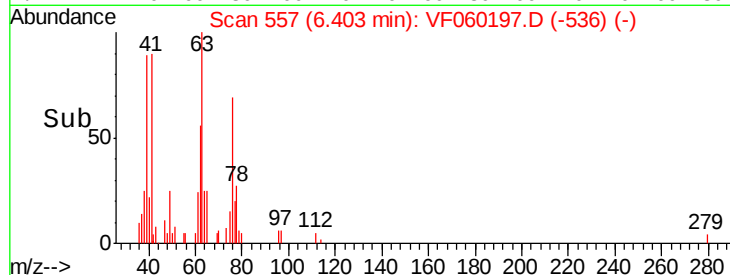
0

6.30

6.40

6.50

Time-->



#46

Dibromomethane

Concen: 4.38 ug/l

RT: 6.25 min Scan# 541

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

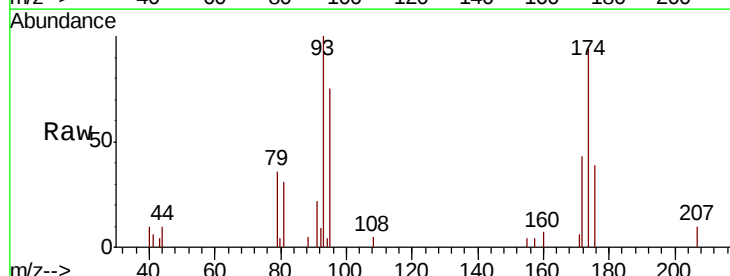
Tgt Ion: 93 Resp: 5681

Ion Ratio Lower Upper

93 100

95 75.3 61.4 92.2

174 93.7 85.9 128.9



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

3000

2000

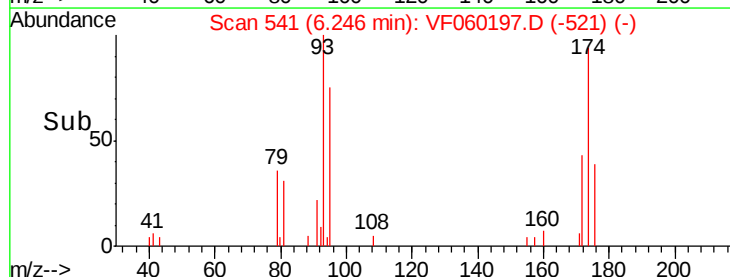
1000

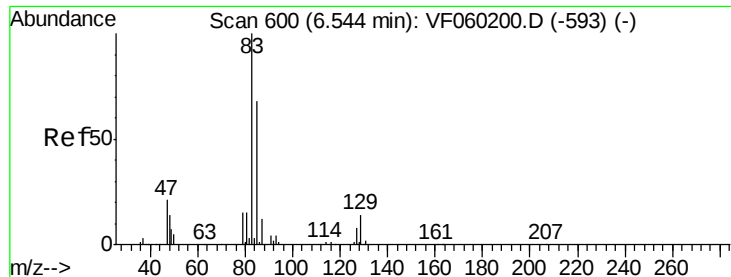
0

6.20

6.30

Time-->





#47

Bromodichloromethane

Concen: 4.65 ug/l

RT: 6.54 min Scan# 571

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

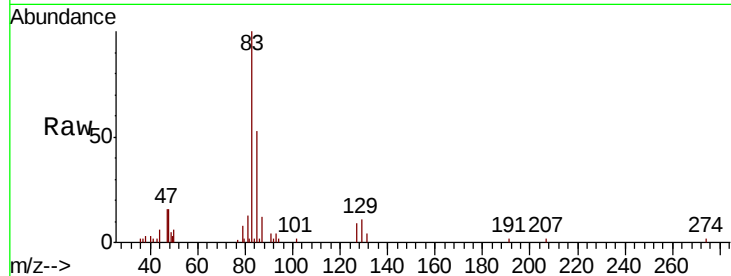
VSTDIC005

Tot Ion:	83	Resp:	16301
Ion Ratio	Lower	Upper	
83	100		
85	53.1	54.0	81.0#
127	8.5	6.6	9.8

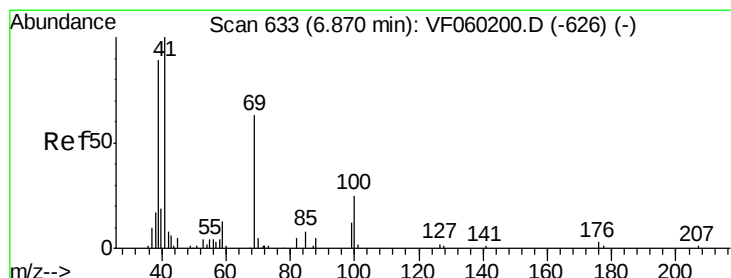
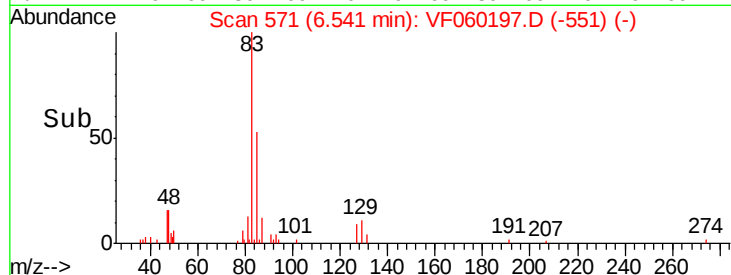
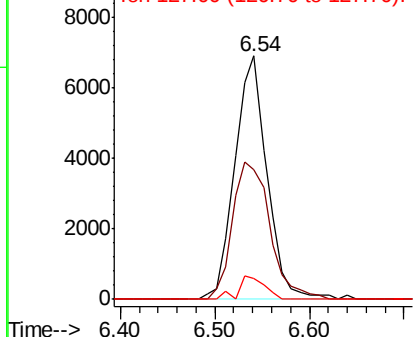
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 5.00 ug/l

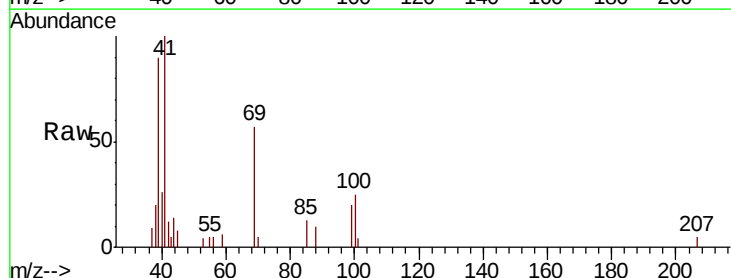
RT: 6.87 min Scan# 604

Delta R.T. -0.00 min

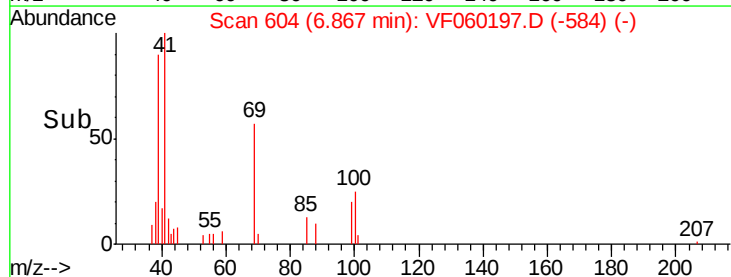
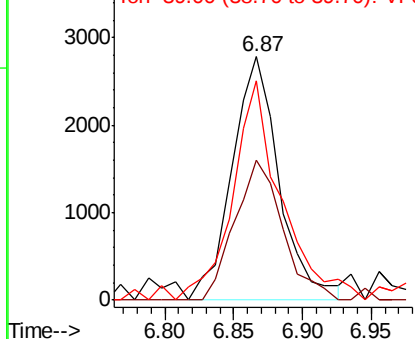
Lab File: VF060197.D

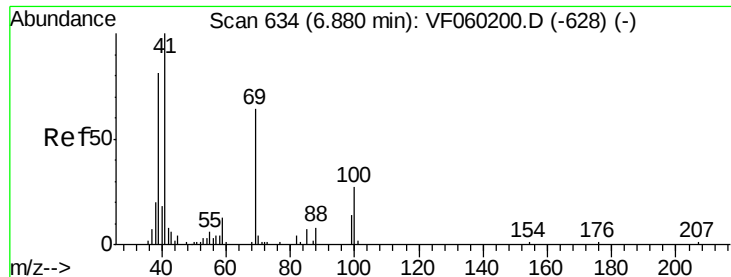
Acq: 6 Sep 2018 11:45

Tgt Ion:	41	Resp:	6665
Ion Ratio	Lower	Upper	
41	100		
69	57.3	50.4	75.6
39	89.9	70.6	106.0



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





#49

1,4-Dioxane

Concen: 22.53 ug/l m

RT: 6.91 min Scan# 608

Delta R.T. 0.03 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

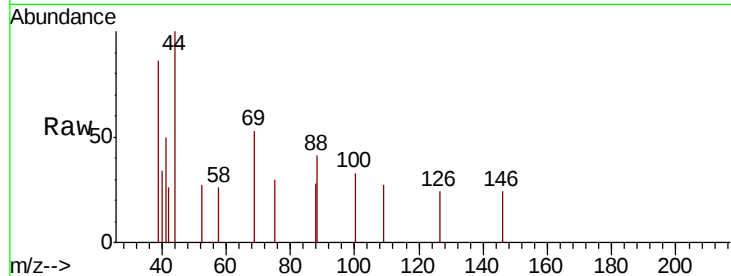
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	68.1	102.1#
58	64.1	38.1	57.1#

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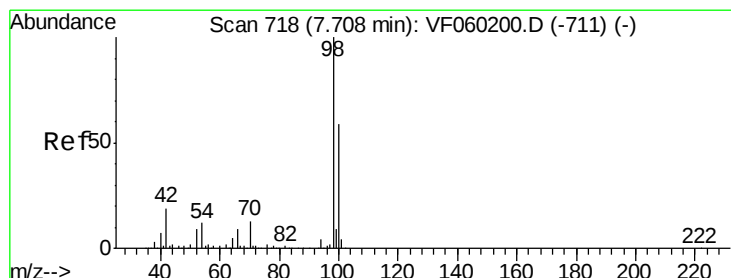
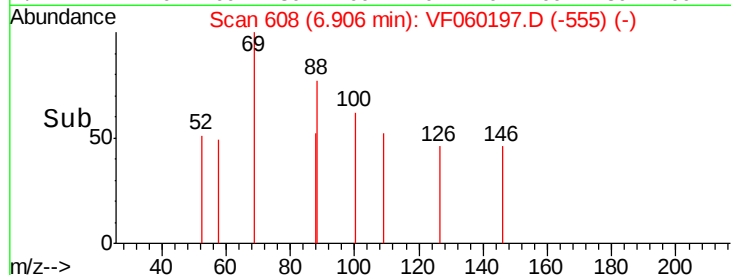
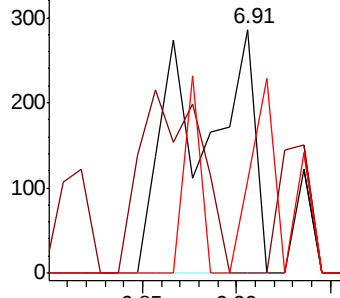
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Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 5.04 ug/l

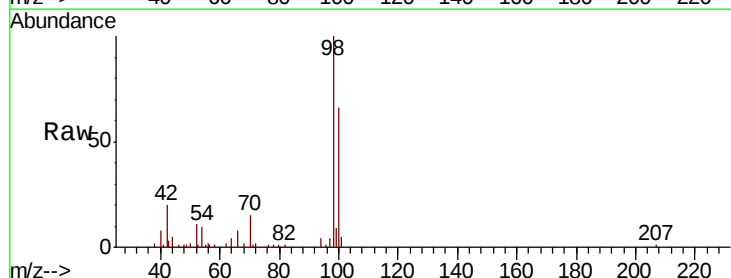
RT: 7.70 min Scan# 689

Delta R.T. -0.00 min

Lab File: VF060197.D

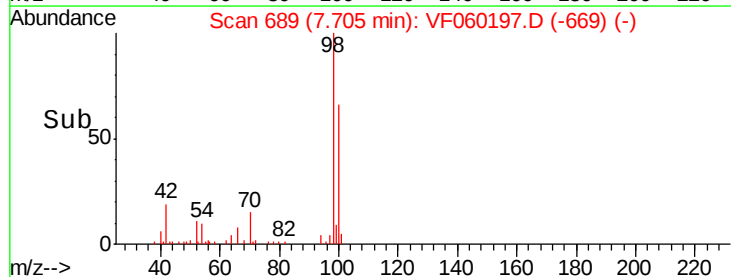
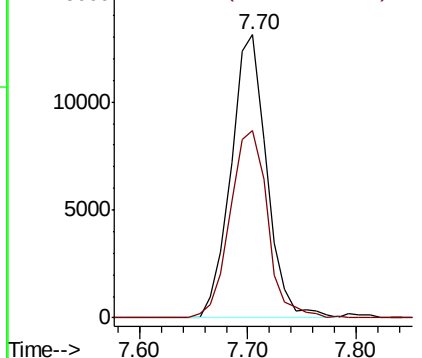
Acq: 6 Sep 2018 11:45

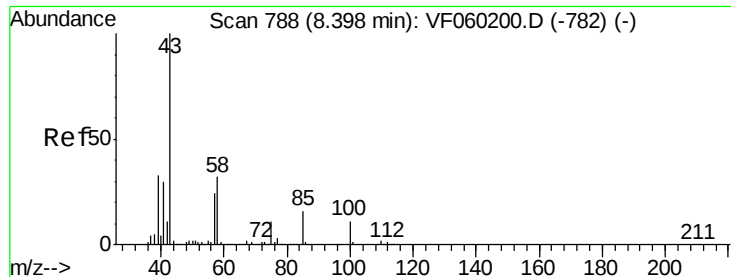
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	47.4	71.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 28.70 ug/l

RT: 8.39 min Scan# 759

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 42930

Ion Ratio Lower Upper

43 100

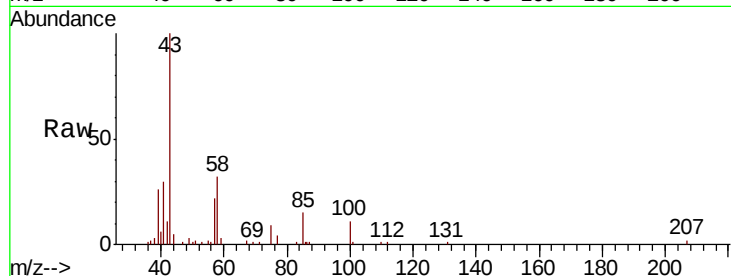
58 32.3 25.8 38.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

20000

15000

10000

5000

0

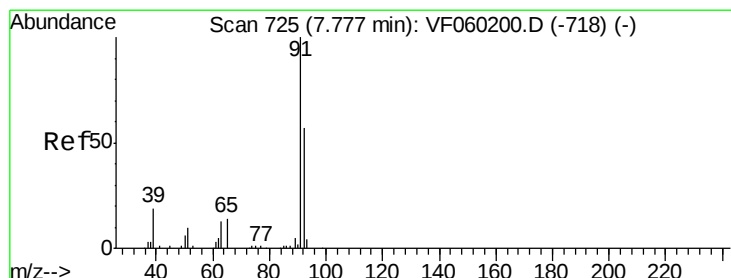
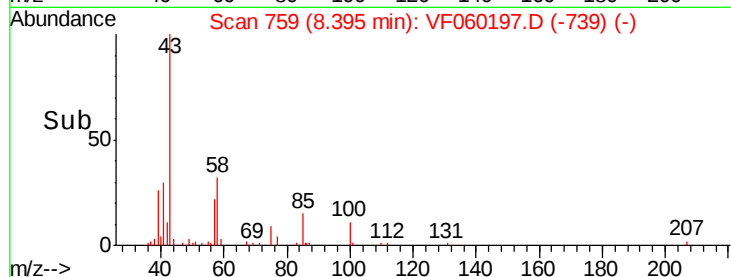
8.39

8.30

8.40

8.50

Time-->



#52

Toluene

Concen: 5.63 ug/l

RT: 7.77 min Scan# 696

Delta R.T. -0.00 min

Lab File: VF060197.D

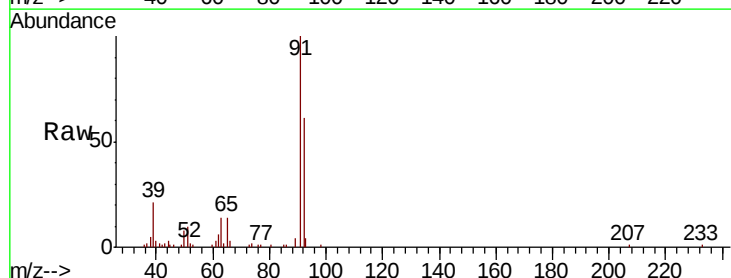
Acq: 6 Sep 2018 11:45

Tgt Ion: 92 Resp: 22192

Ion Ratio Lower Upper

92 100

91 164.9 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

20000

15000

10000

5000

0

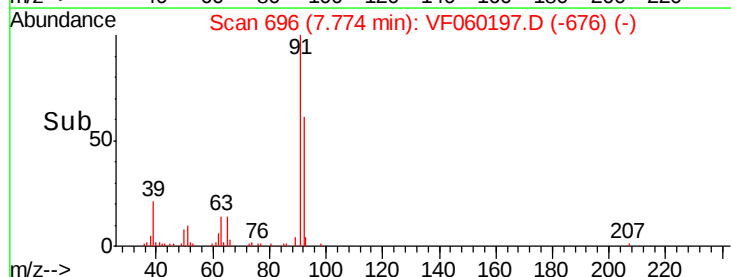
7.77

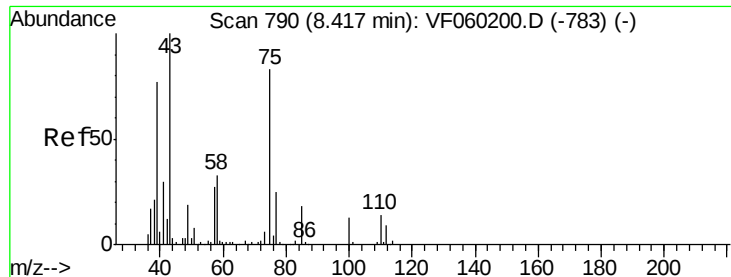
7.70

7.80

7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.30 ug/l

RT: 8.41 min Scan# 761

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 12577

Ion Ratio Lower Upper

75 100

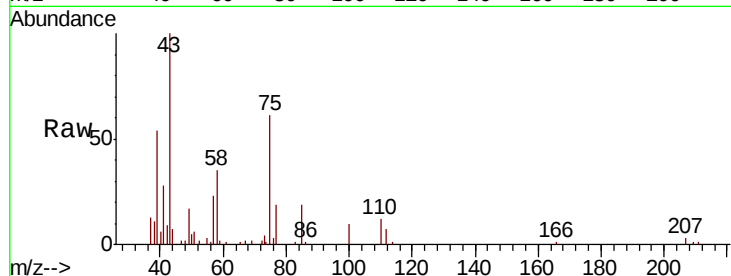
77 31.5 24.3 36.5

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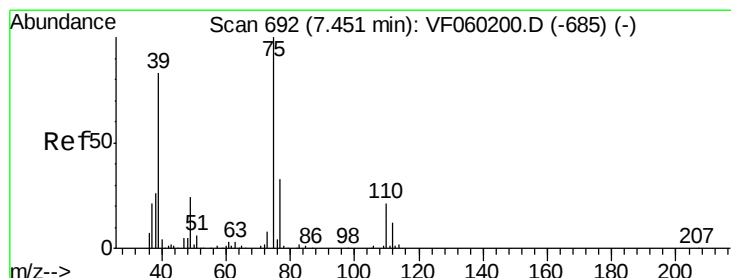
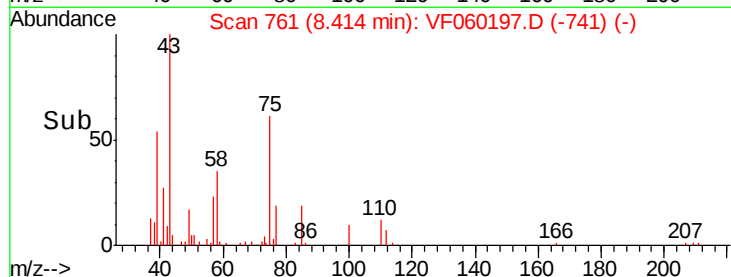
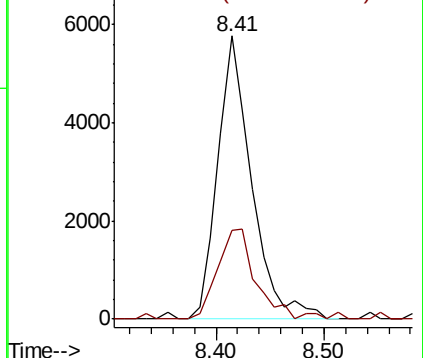
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 4.52 ug/l

RT: 7.45 min Scan# 663

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

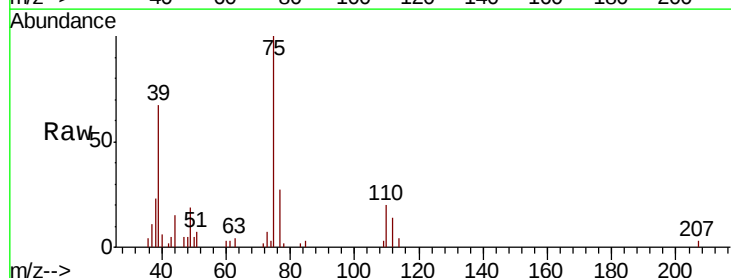
Tgt Ion: 75 Resp: 13581

Ion Ratio Lower Upper

75 100

77 26.8 26.6 39.8

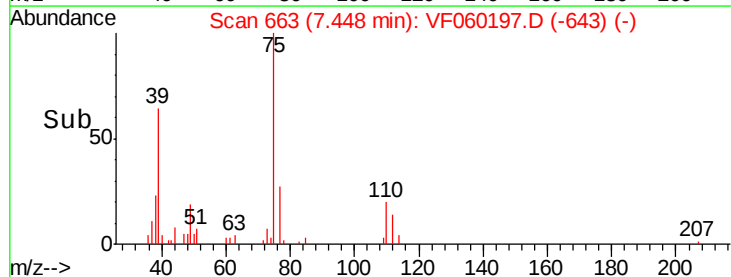
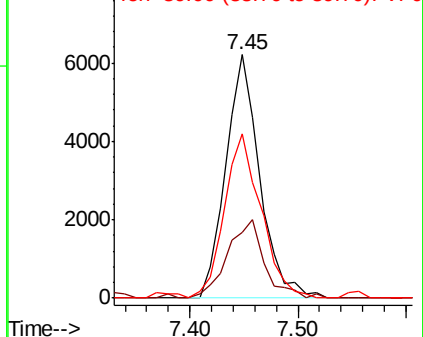
39 67.3 66.6 100.0

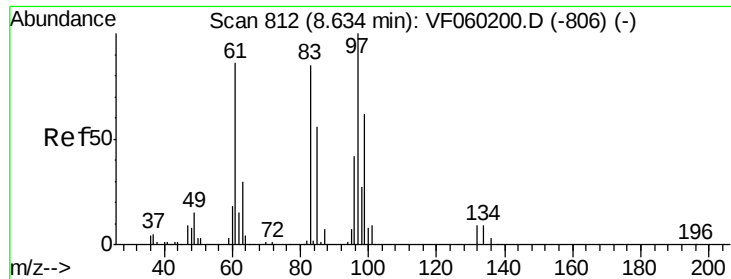


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 5.62 ug/l

RT: 8.63 min Scan# 783

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

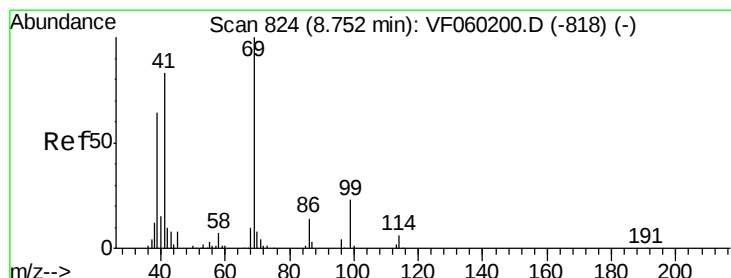
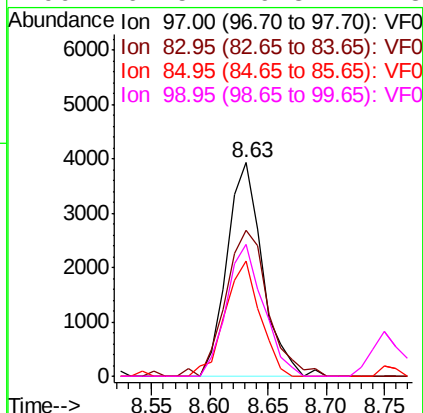
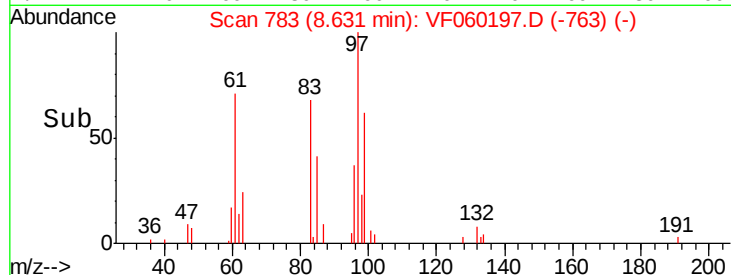
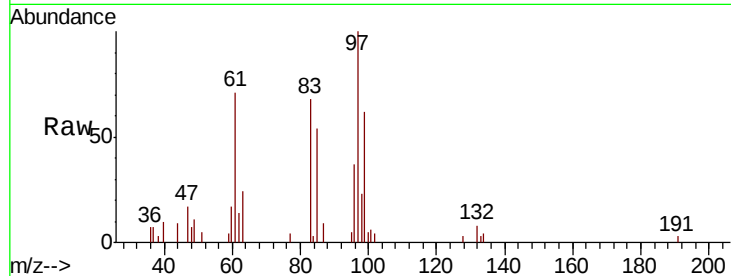
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	8317
Ion	Ratio	Lower	Upper
97	100		
83	68.4	68.1	102.1
85	53.9	44.6	66.8
99	61.5	49.8	74.8

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#56

Ethyl methacrylate

Concen: 4.75 ug/l

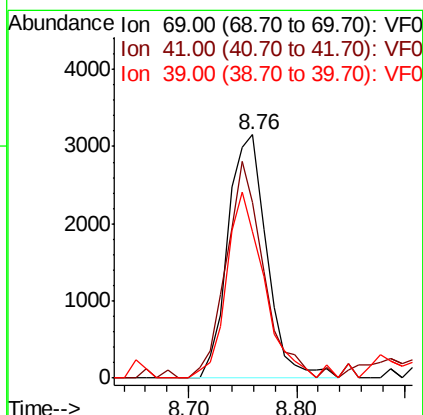
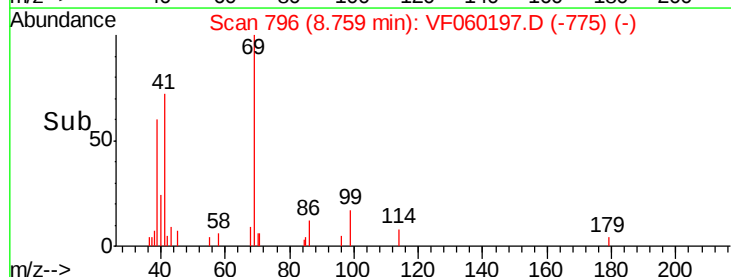
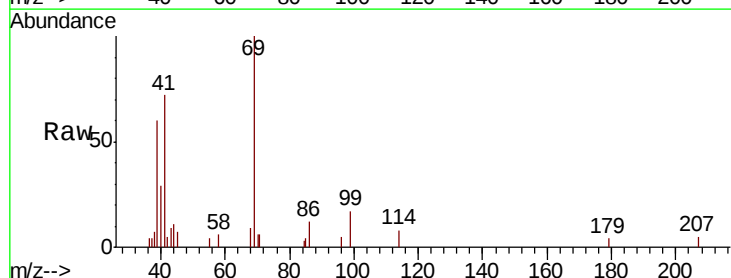
RT: 8.76 min Scan# 796

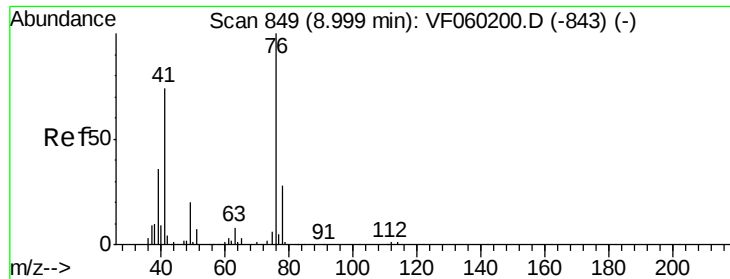
Delta R.T. 0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Tgt Ion:	69	Resp:	7911
Ion	Ratio	Lower	Upper
69	100		
41	72.1	66.6	100.0
39	59.9	51.5	77.3





#57

1,3-Dichloropropane

Concen: 4.77 ug/l

RT: 8.99 min Scan# 819

Delta R.T. -0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 12443

Ion Ratio Lower Upper

76 100

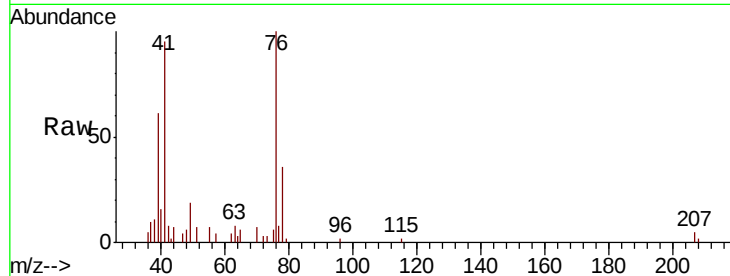
78 36.0 22.8 34.2#

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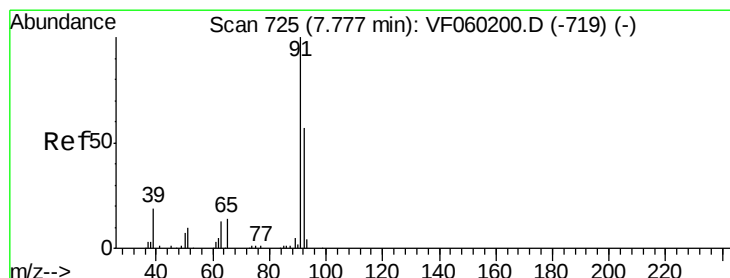
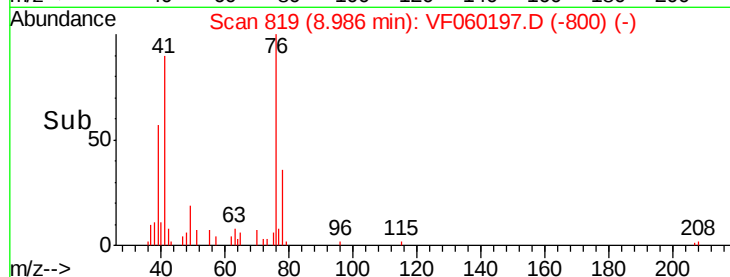
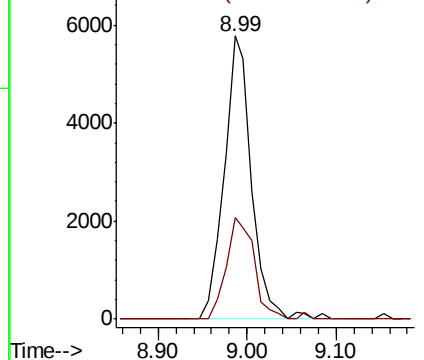
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 25.51 ug/l

RT: 7.77 min Scan# 696

Delta R.T. -0.00 min

Lab File: VF060197.D

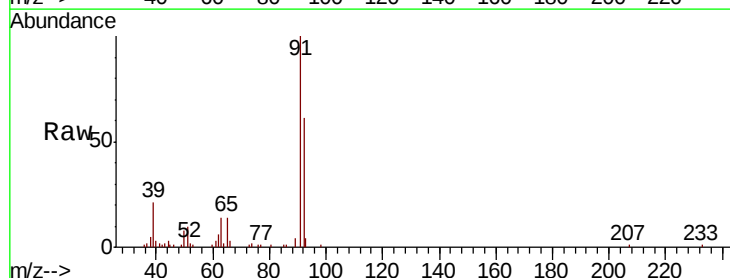
Acq: 6 Sep 2018 11:45

Tgt Ion: 63 Resp: 4533

Ion Ratio Lower Upper

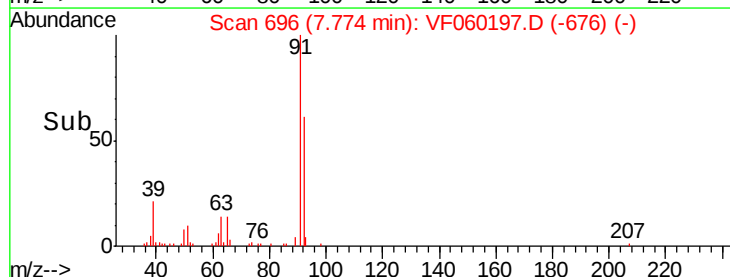
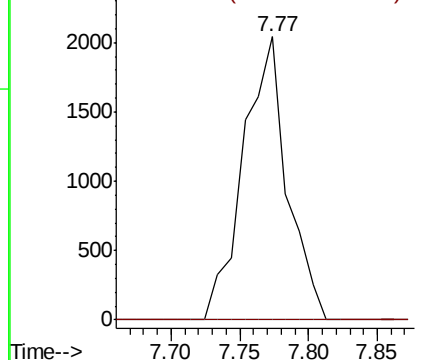
63 100

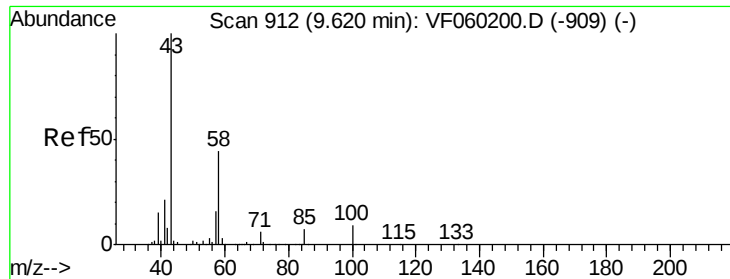
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





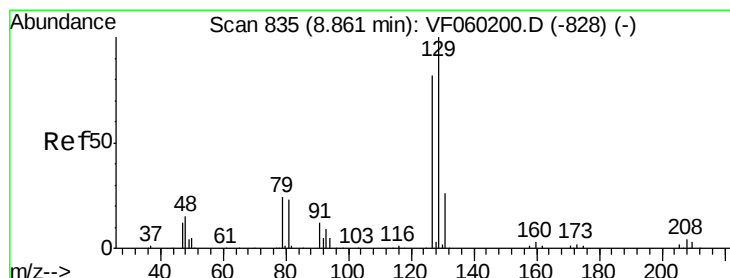
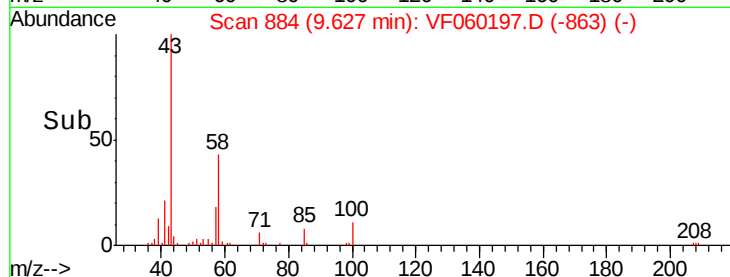
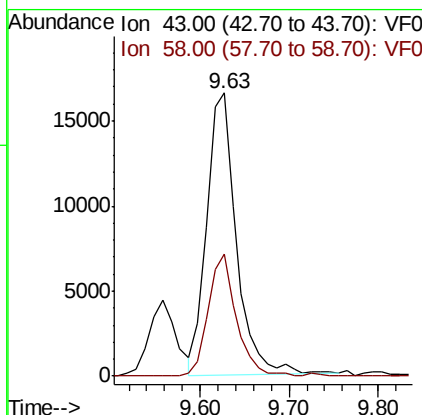
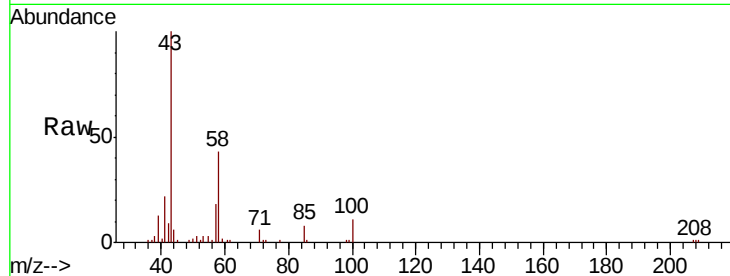
#59
2-Hexanone
Concen: 33.86 ug/l
RT: 9.63 min Scan# 884
Delta R.T. 0.01 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 38141
Ion Ratio Lower Upper
43 100
58 43.2 20.8 62.5

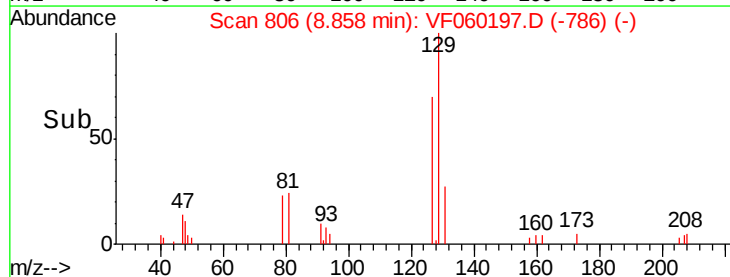
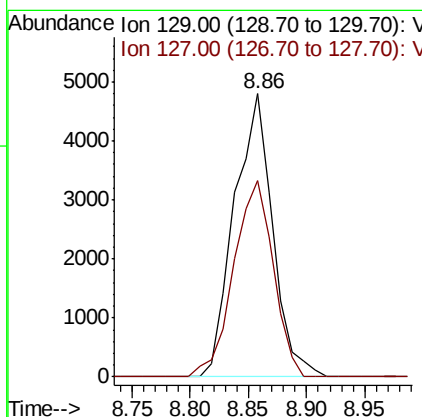
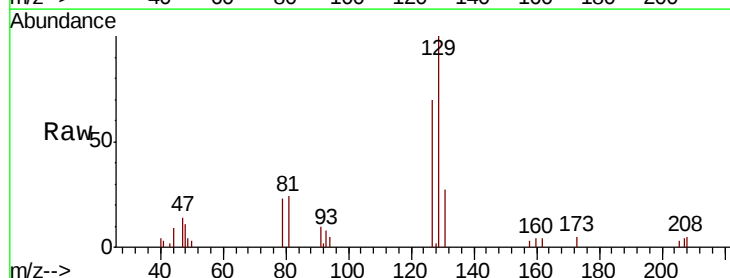
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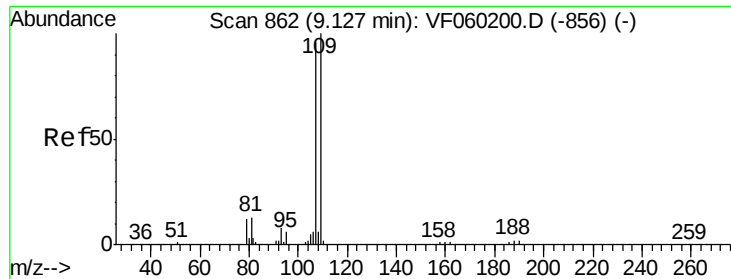
apatel
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#60
Dibromochloromethane
Concen: 4.49 ug/l
RT: 8.86 min Scan# 806
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion:129 Resp: 10944
Ion Ratio Lower Upper
129 100
127 69.6 40.9 122.8





#61

1,2-Dibromoethane

Concen: 4.51 ug/l

RT: 9.12 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 7967

Ion Ratio Lower Upper

107 100

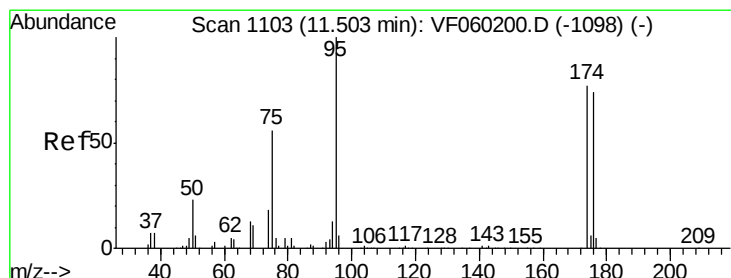
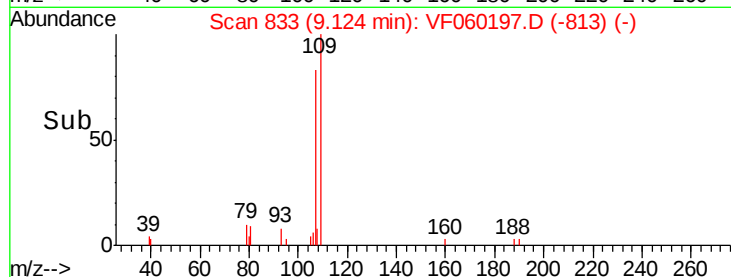
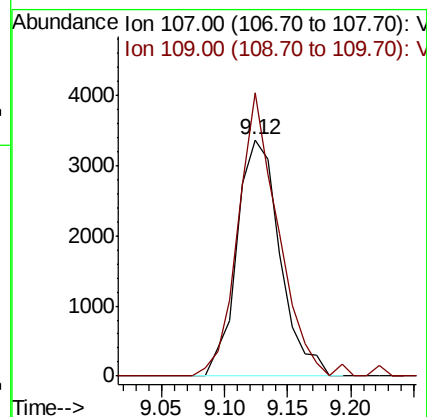
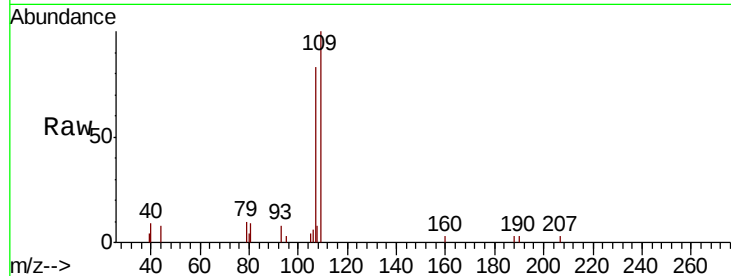
109 119.9 83.0 124.4

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#62

4-Bromofluorobenzene

Concen: 5.56 ug/l

RT: 11.50 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

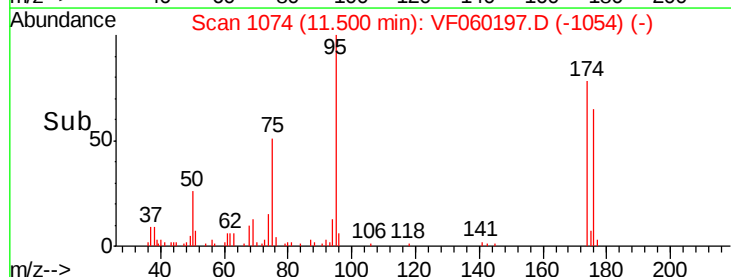
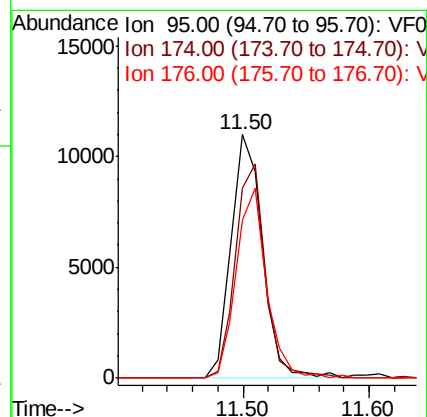
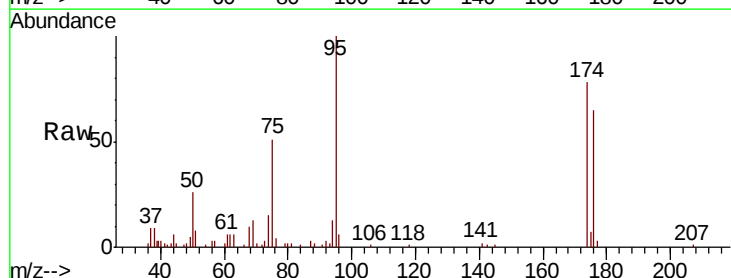
Tgt Ion: 95 Resp: 18813

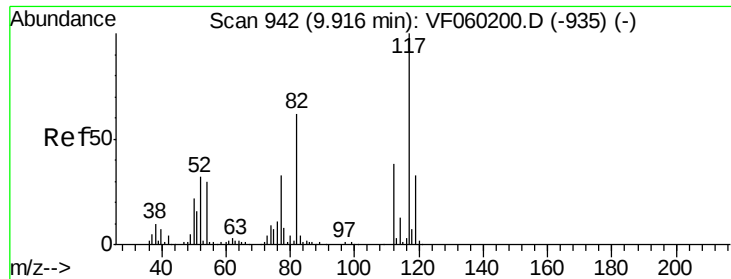
Ion Ratio Lower Upper

95 100

174 78.1 0.0 153.2

176 64.9 0.0 147.2





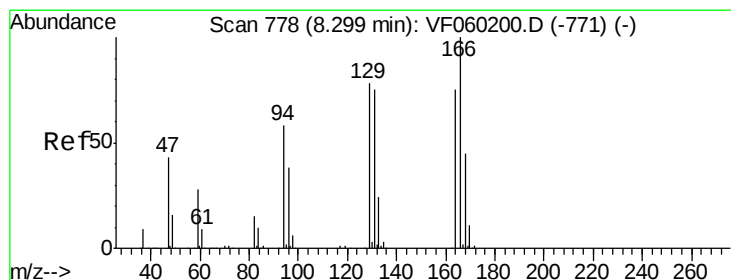
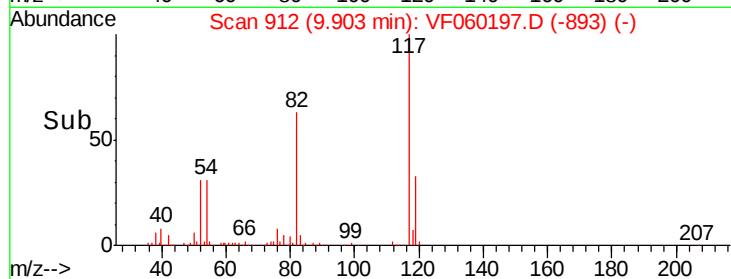
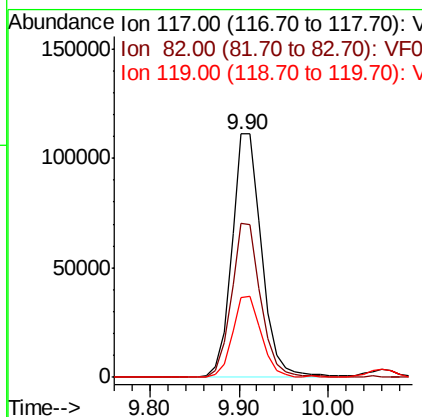
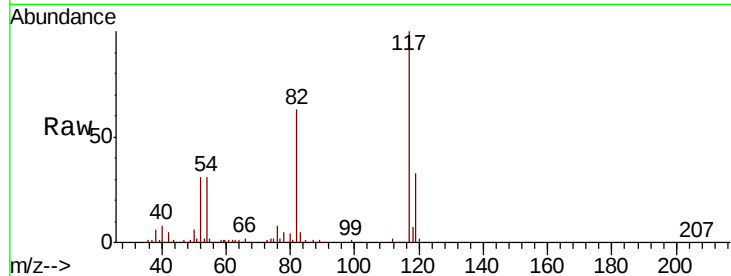
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 912
Delta R.T. -0.01 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	258809		
82	63.3		49.3	73.9
119	33.0		26.5	39.7

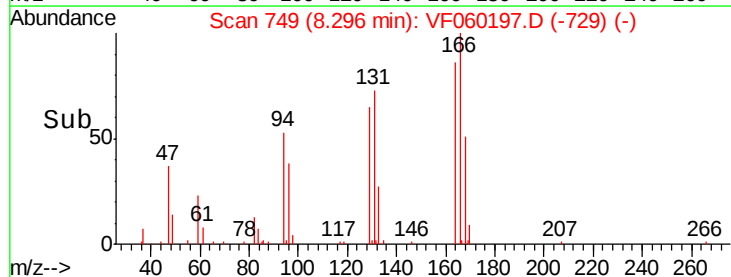
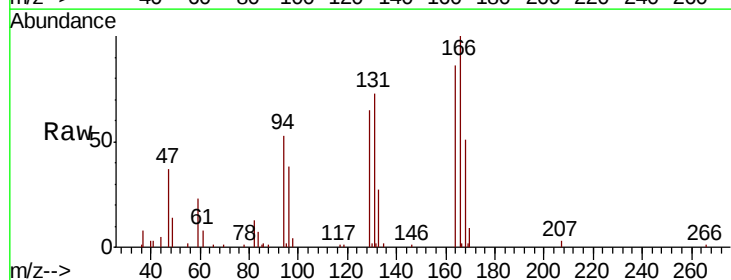
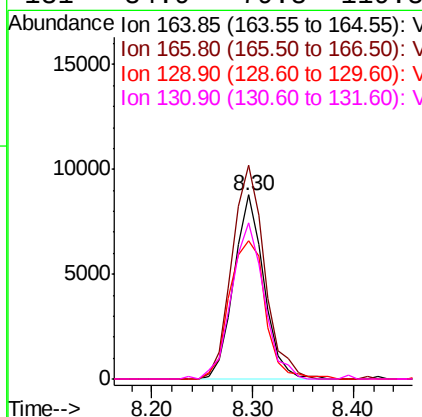
Manual Integrations
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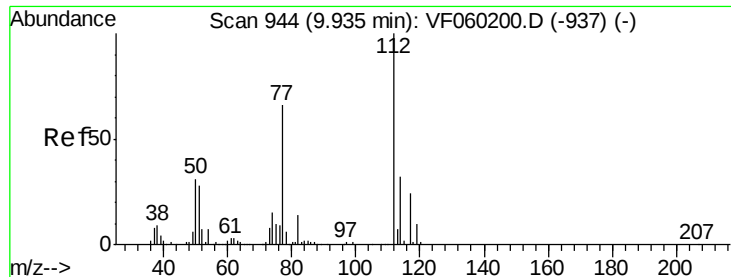
apatel
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#64
Tetrachloroethene
Concen: 6.05 ug/l
RT: 8.30 min Scan# 749
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18212		
166	116.2		107.0	160.4
129	75.6		83.0	124.6#
131	84.9		79.8	119.8





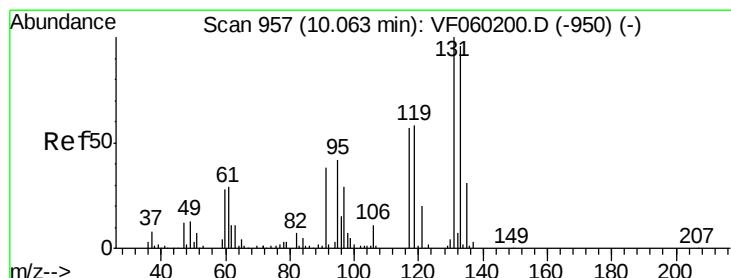
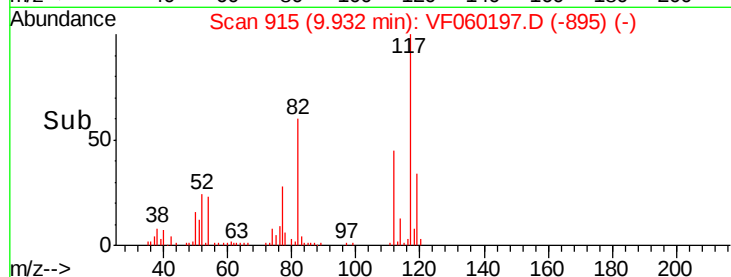
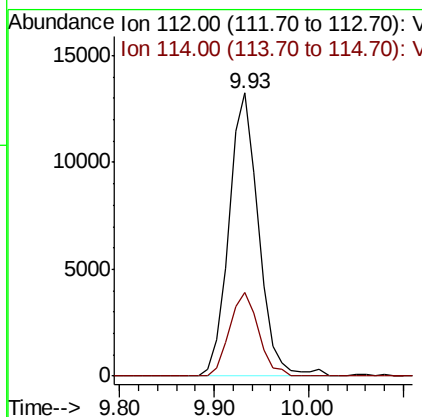
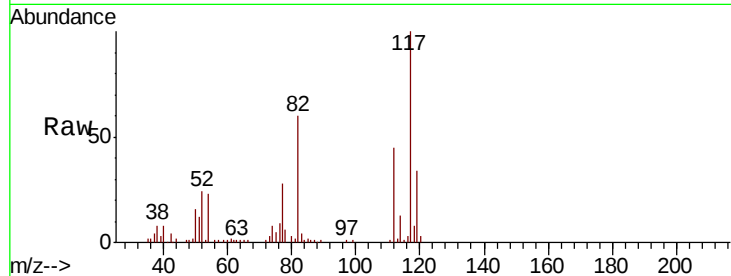
#65
Chlorobenzene
Concen: 5.39 ug/l
RT: 9.93 min Scan# 915
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.7	38.5

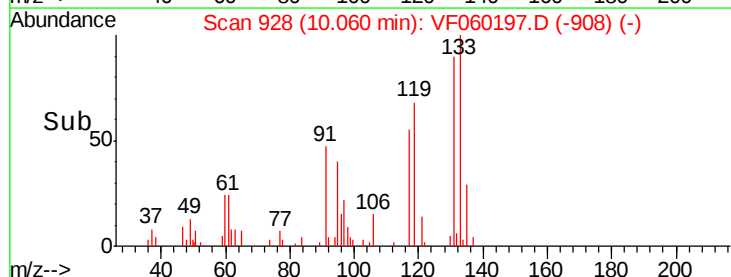
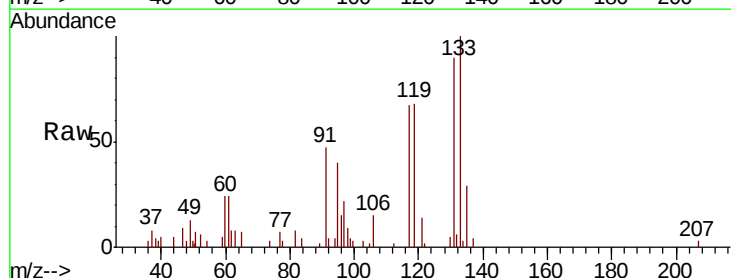
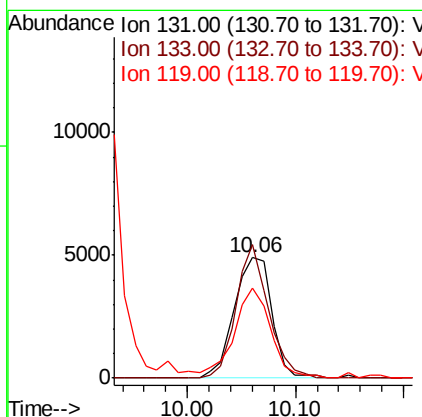
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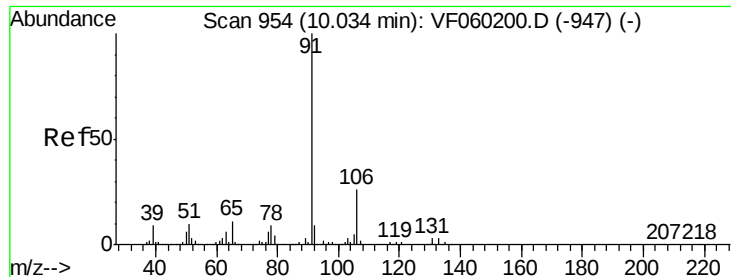
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.07 ug/l
RT: 10.06 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	110.6	47.9	143.8
119	75.1	29.0	87.0





#67

Ethyl Benzene

Concen: 5.24 ug/l

RT: 10.03 min Scan# 925

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 51830

Ion Ratio Lower Upper

91 100

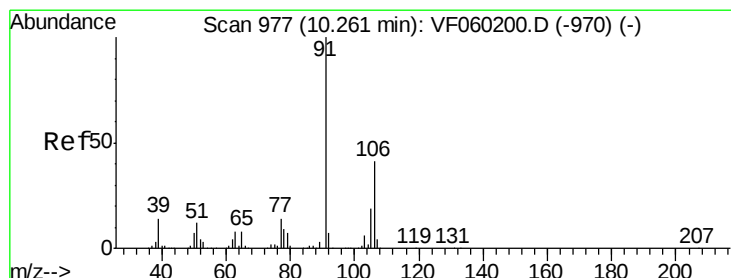
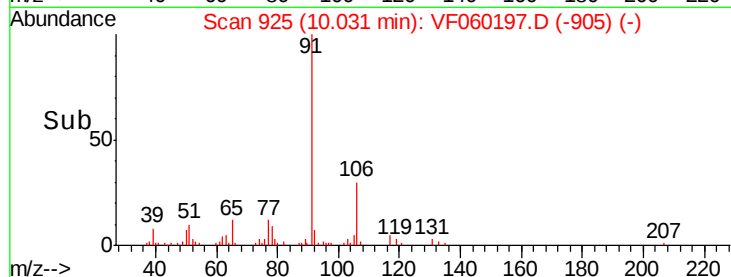
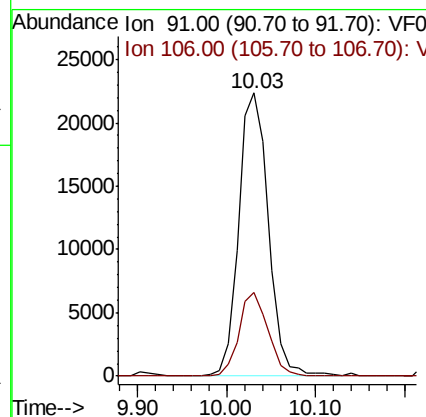
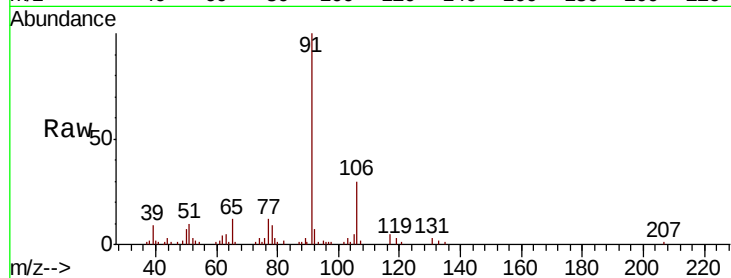
106 29.6 21.1 31.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 10.76 ug/l

RT: 10.26 min Scan# 948

Delta R.T. -0.00 min

Lab File: VF060197.D

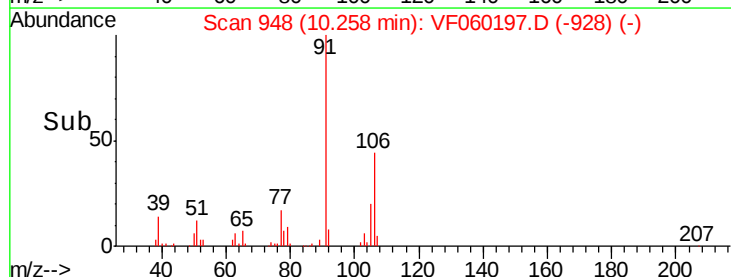
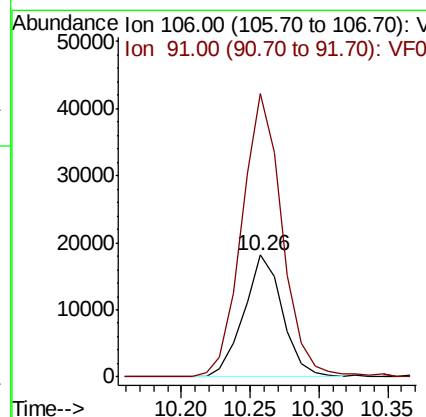
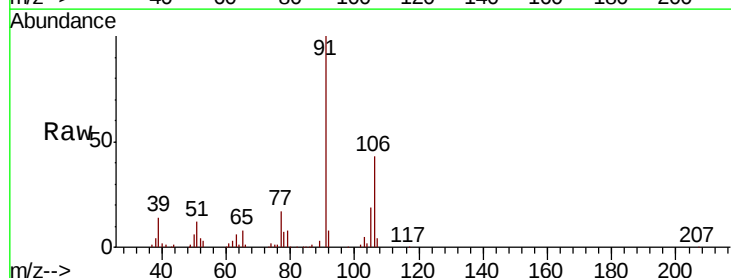
Acq: 6 Sep 2018 11:45

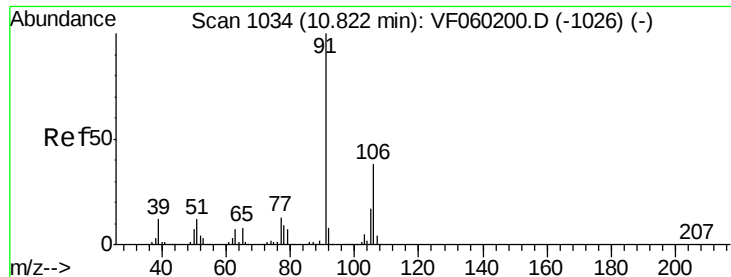
Tgt Ion: 106 Resp: 35660

Ion Ratio Lower Upper

106 100

91 232.6 194.6 291.8





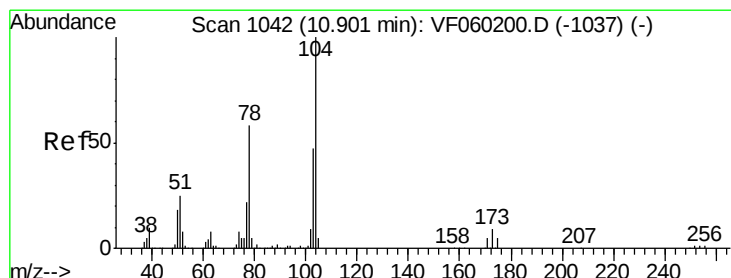
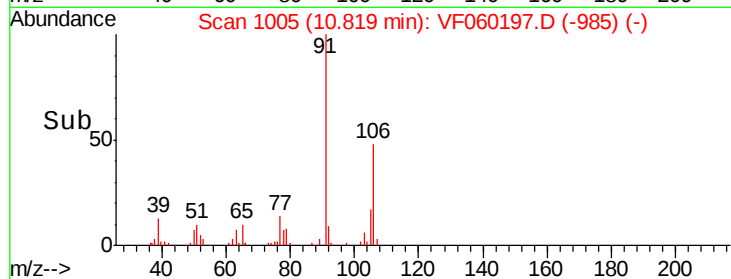
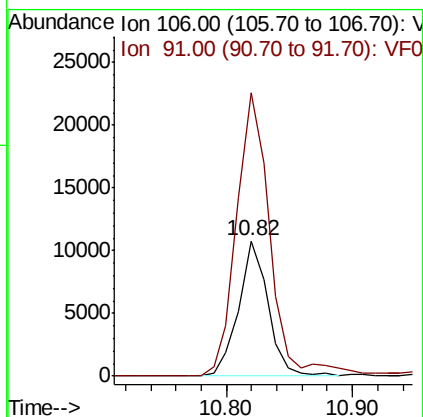
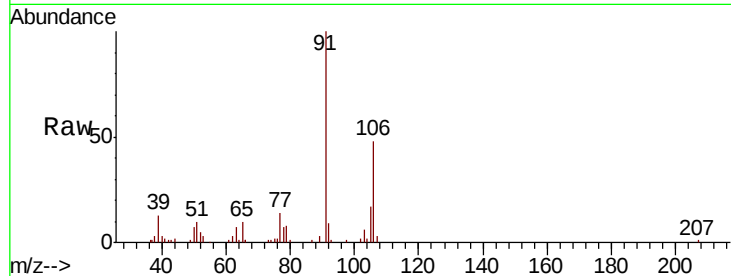
#69
o-Xylene
Concen: 4.92 ug/l
RT: 10.82 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.3	130.5	391.5	

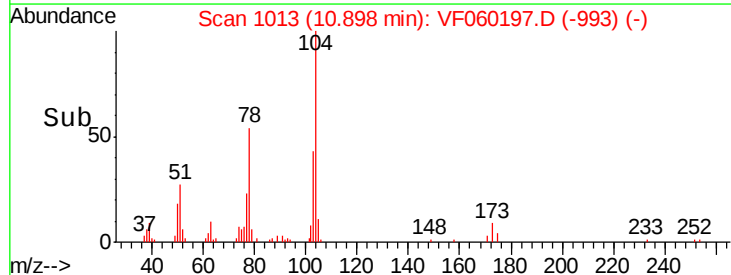
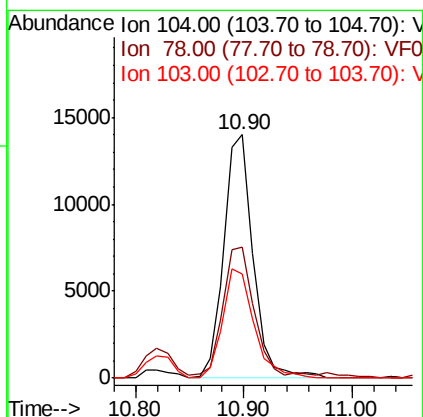
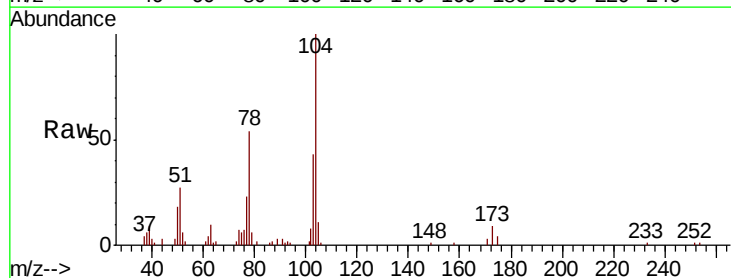
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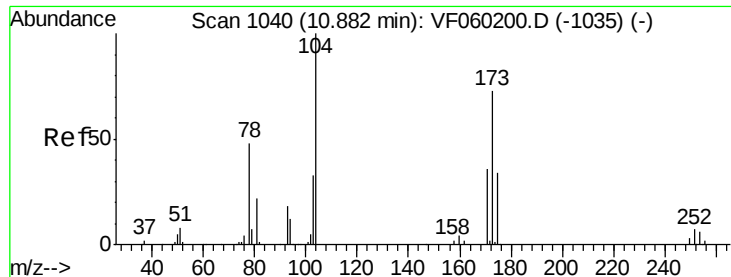
apatel
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#70
Styrene
Concen: 4.92 ug/l
RT: 10.90 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.9	47.1	70.7	
103	42.6	38.6	57.8	





#71

Bromoform

Concen: 4.15 ug/l

RT: 10.88 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

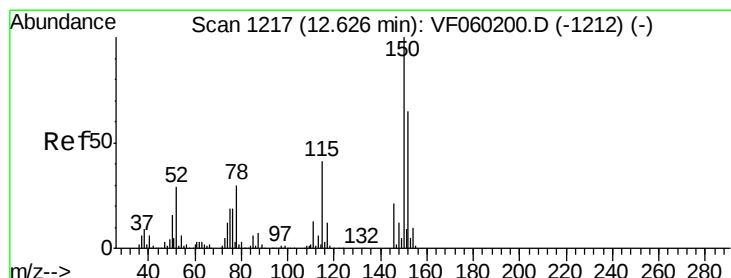
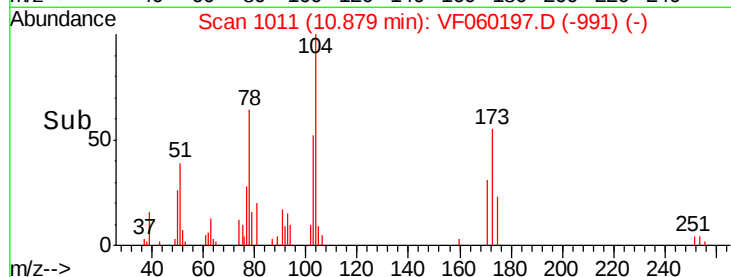
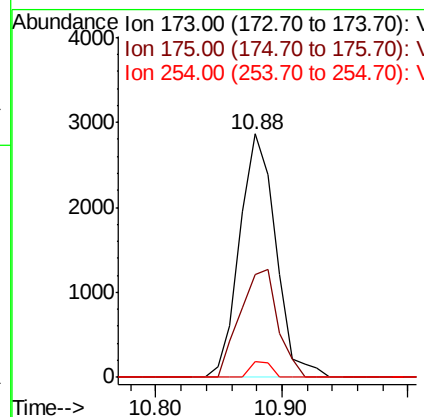
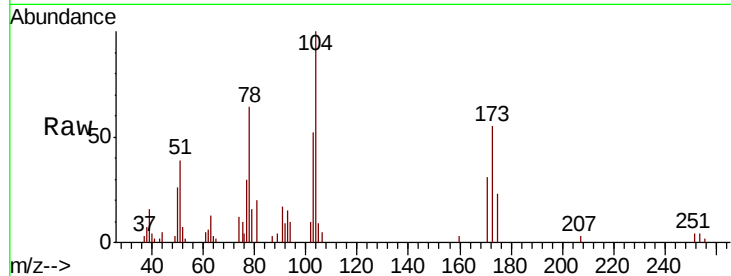
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.4	23.1	69.3
254	6.7	0.2	0.4

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

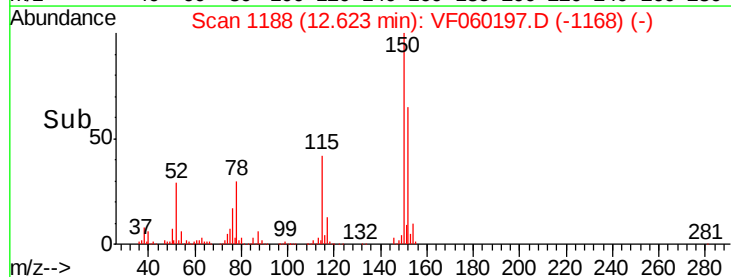
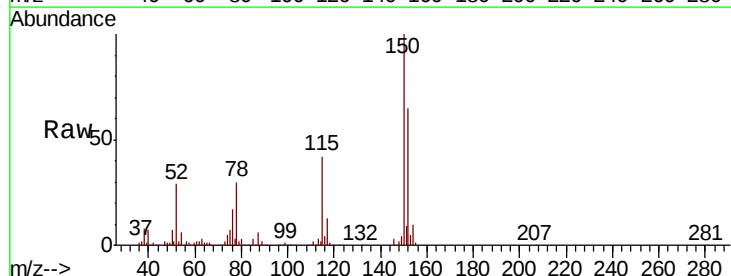
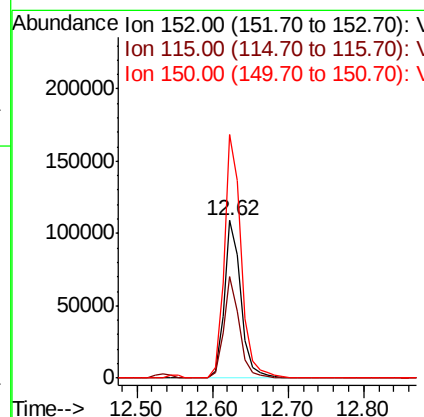
RT: 12.62 min Scan# 1188

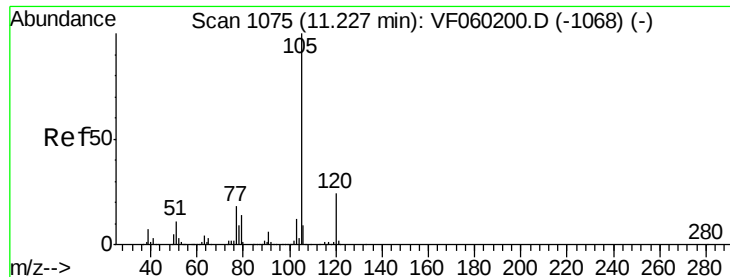
Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	31.5	94.5
150	154.5	0.0	310.4





#73

Isopropylbenzene

Concen: 4.95 ug/l

RT: 11.22 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 57340

Ion Ratio Lower Upper

105 100

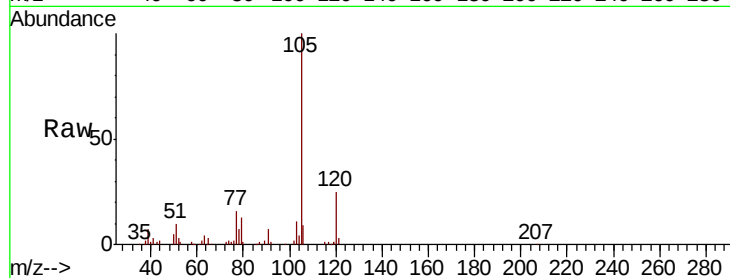
120 24.8 11.8 35.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

40000

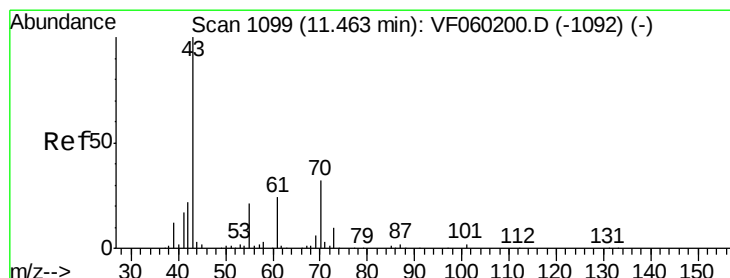
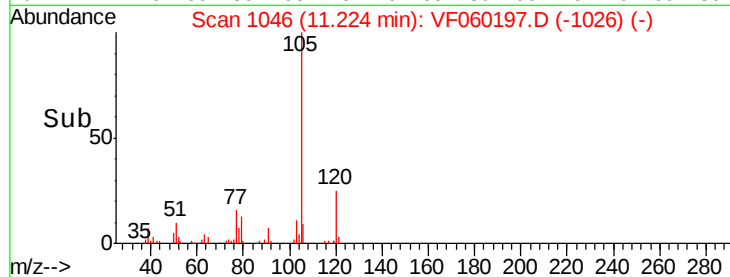
30000

20000

10000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 4.20 ug/l

RT: 11.46 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Tgt Ion: 43 Resp: 8095

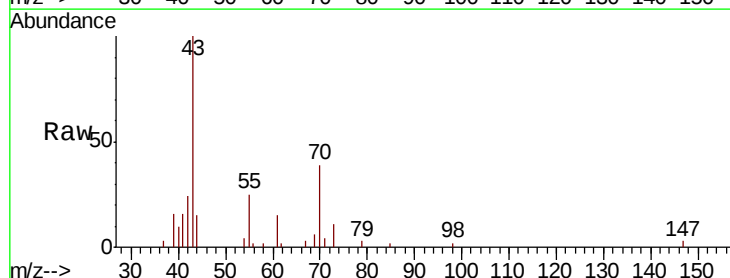
Ion Ratio Lower Upper

43 100

70 39.5 25.8 38.6#

55 24.6 16.8 25.2

61 15.1 18.9 28.3#



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

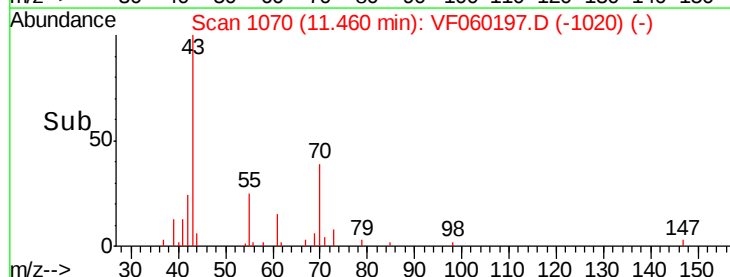
6000

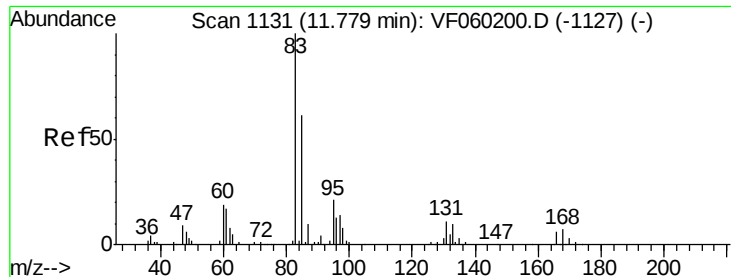
4000

2000

0

Time--> 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 4.74 ug/l

RT: 11.78 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

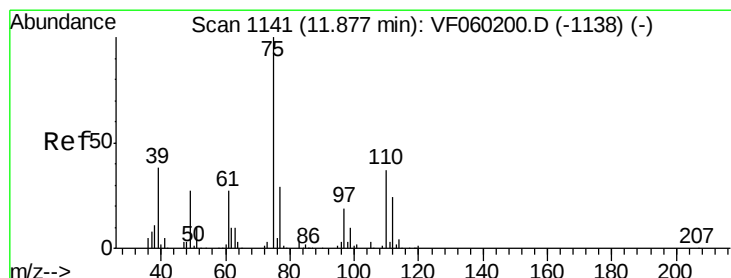
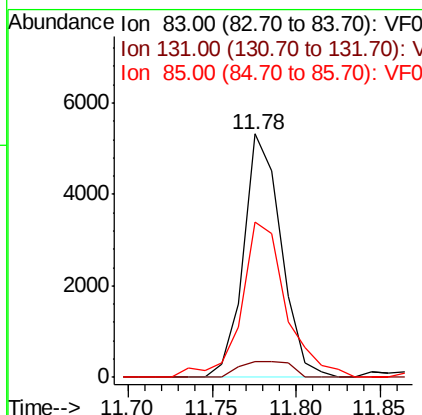
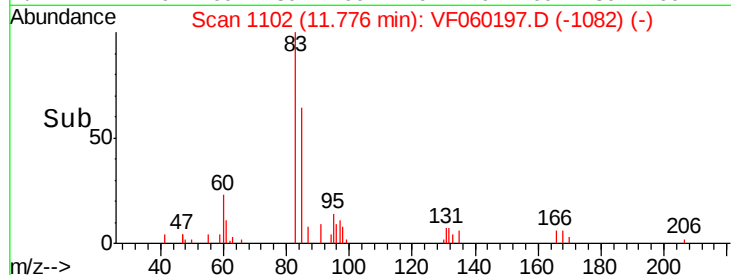
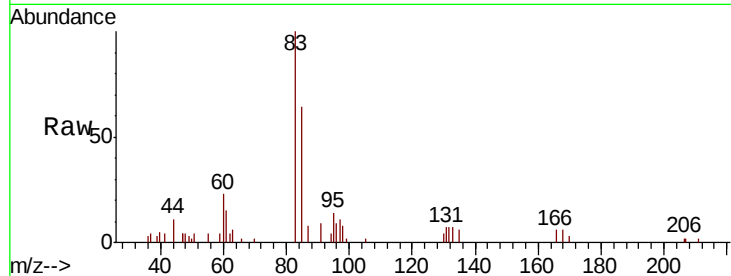
VSTDIC005

Tot Ion:	83	Resp:	8259
Ion Ratio	Lower	Upper	
83	100		
131	6.6	5.5	16.4
85	63.9	31.1	93.5

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#76

1,2,3-Trichloropropane

Concen: 5.22 ug/l

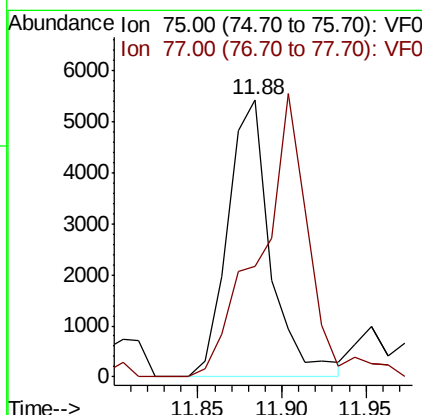
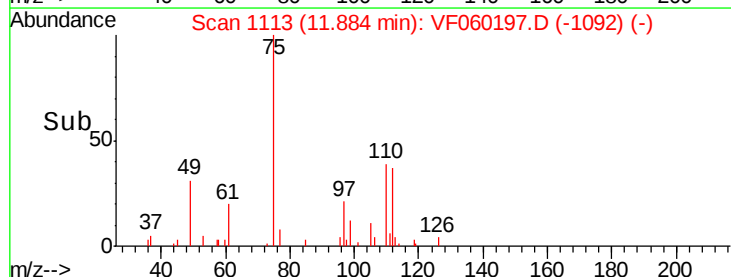
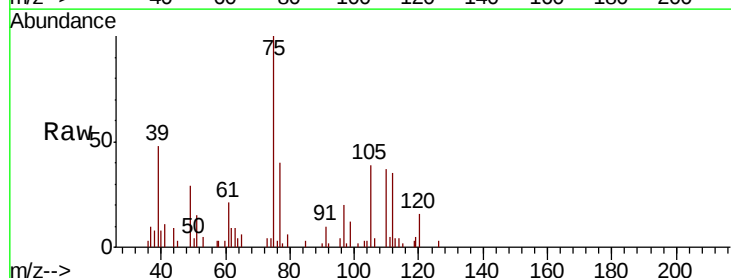
RT: 11.88 min Scan# 1113

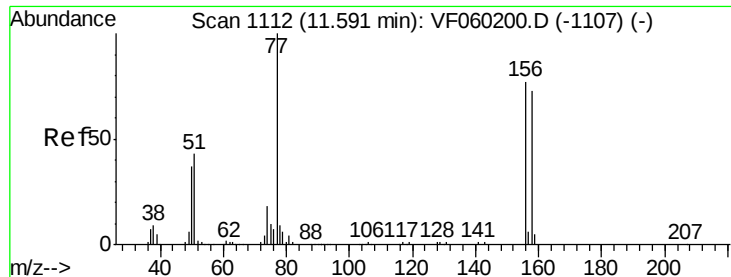
Delta R.T. 0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Tgt Ion:	75	Resp:	9605
Ion Ratio	Lower	Upper	
75	100		
77	39.7	14.6	43.8





#77

Bromobenzene

Concen: 5.02 ug/l

RT: 11.59 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

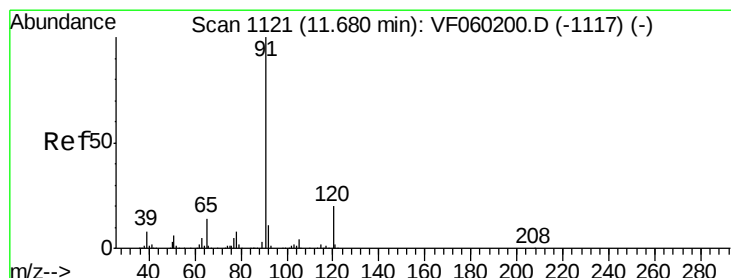
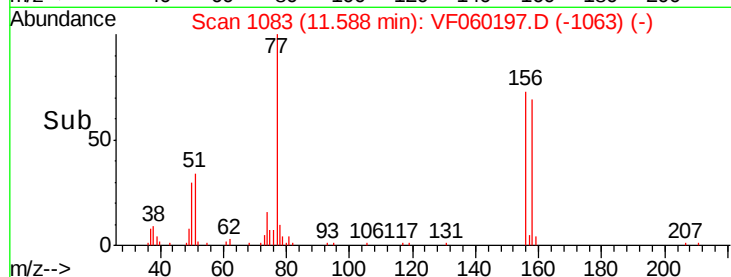
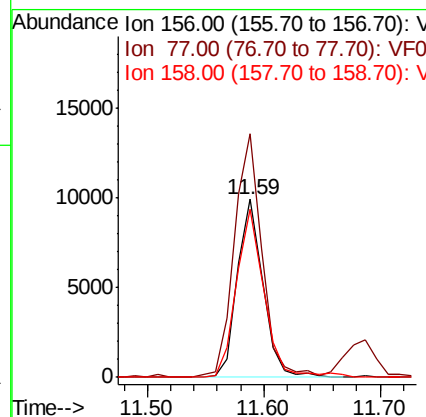
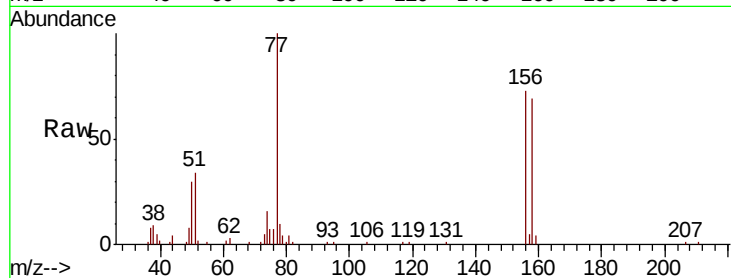
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	137.0	64.8	194.3	
158	94.2	47.3	141.8	

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#78

n-propylbenzene

Concen: 5.22 ug/l

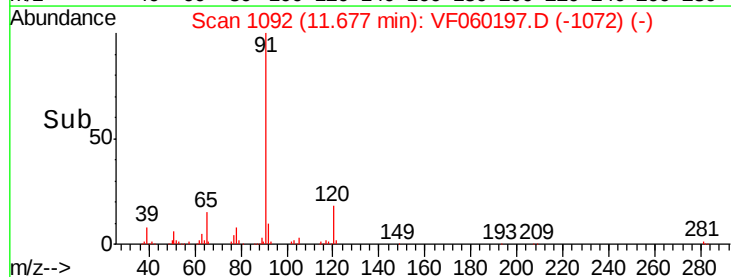
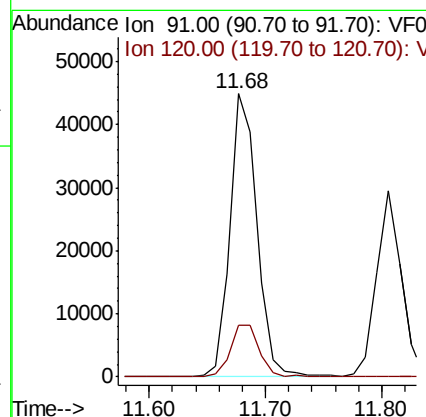
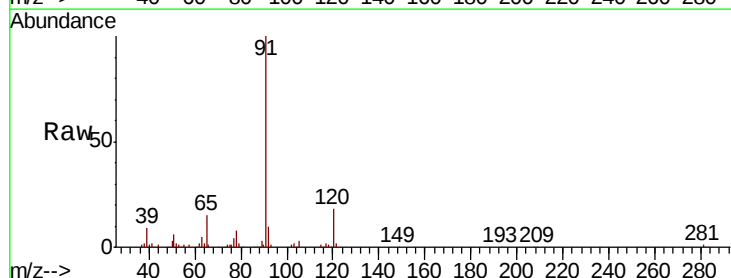
RT: 11.68 min Scan# 1092

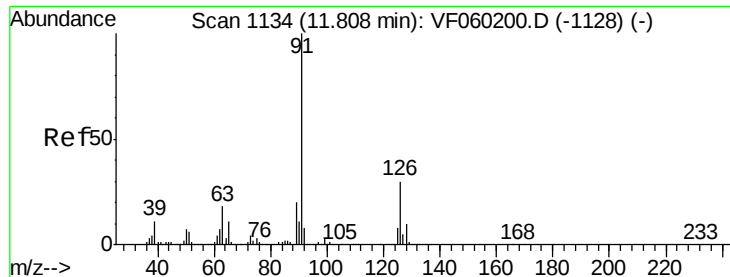
Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	18.3	9.8	29.4	





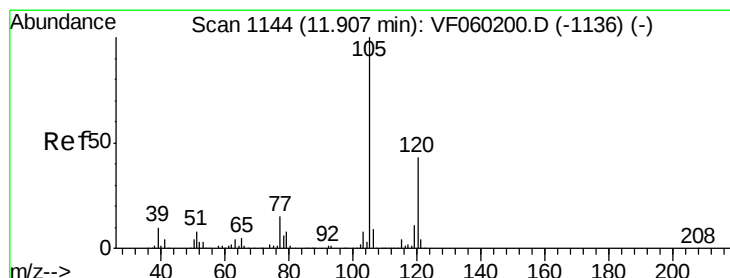
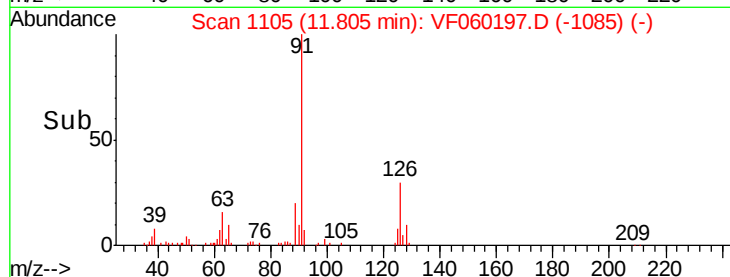
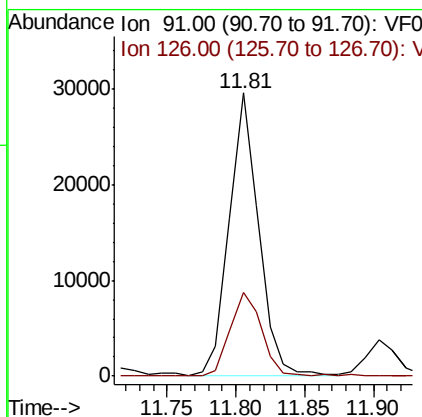
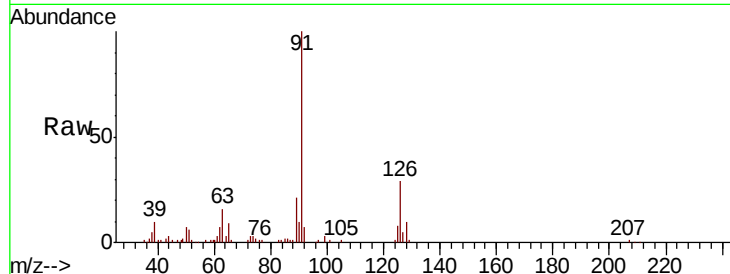
#79
 2-Chlorotoluene
 Concen: 5.31 ug/l
 RT: 11.81 min Scan# 1105
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.4	15.2	45.5

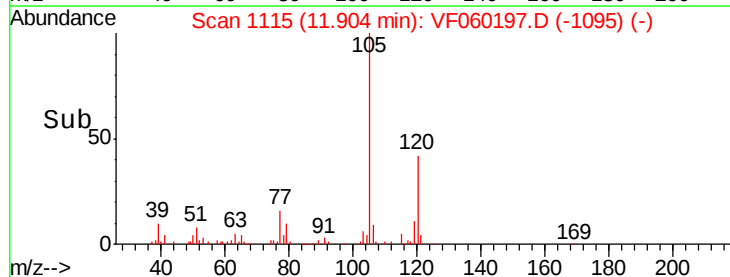
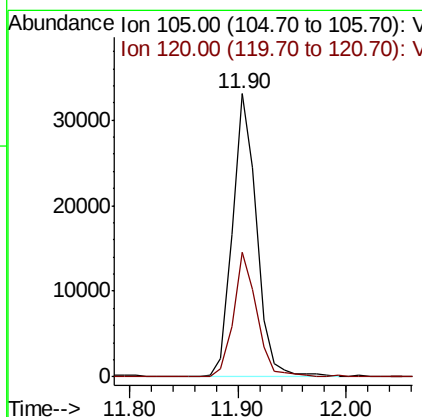
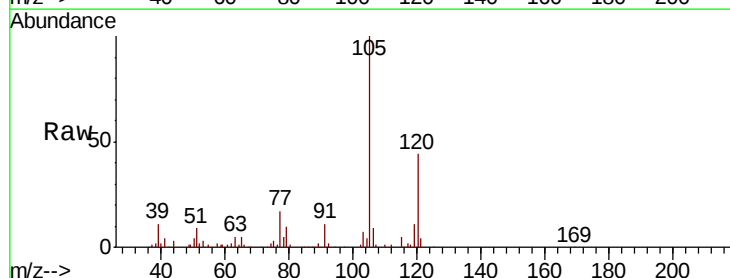
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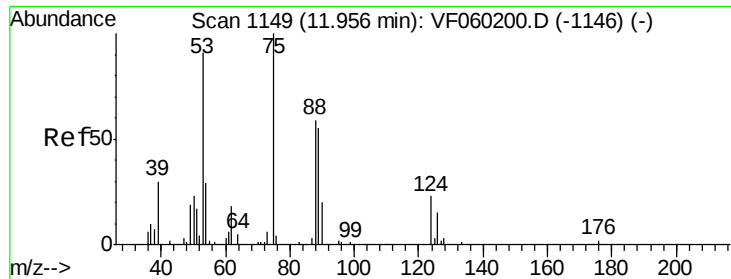
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.02 ug/l
 RT: 11.90 min Scan# 1115
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.6	64.8





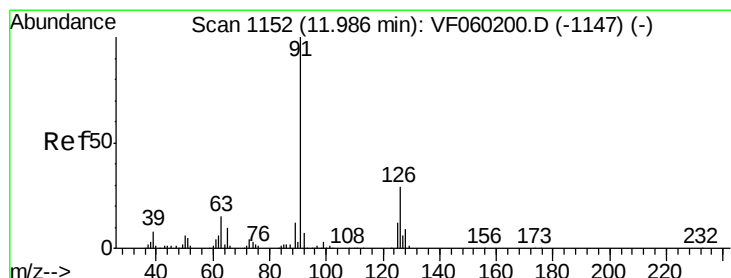
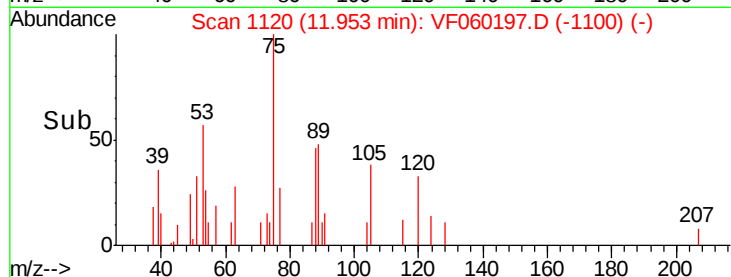
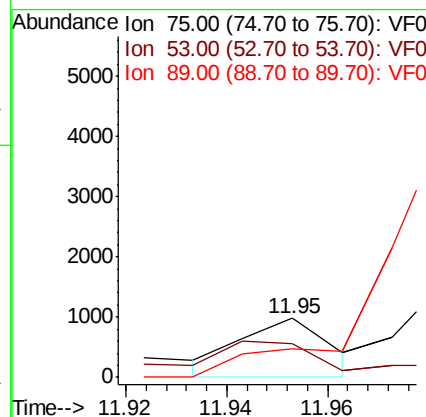
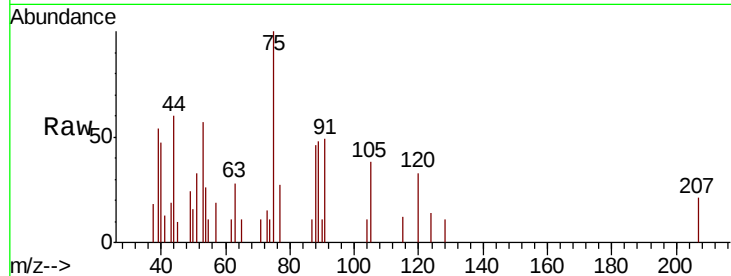
#81
trans-1,4-Dichloro-2-butene
Concen: 2.02 ug/l
RT: 11.95 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	56.9	76.5	114.7#
89	47.5	46.5	69.7

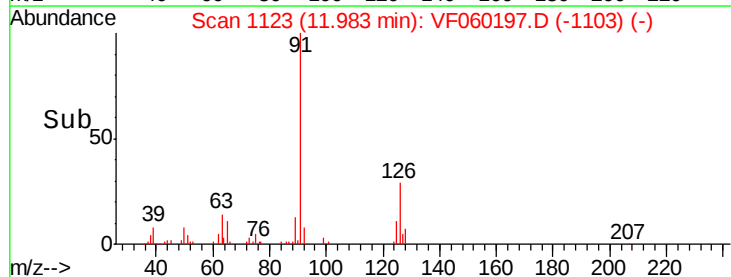
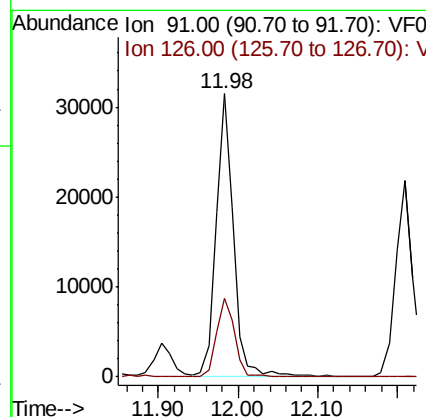
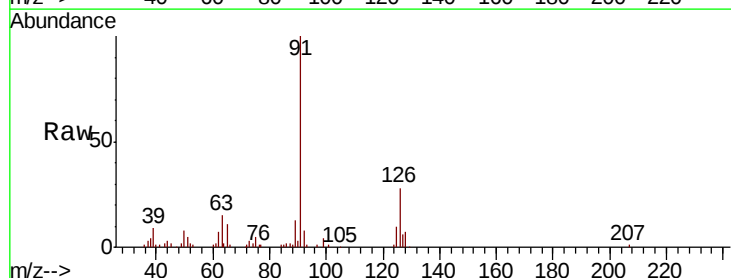
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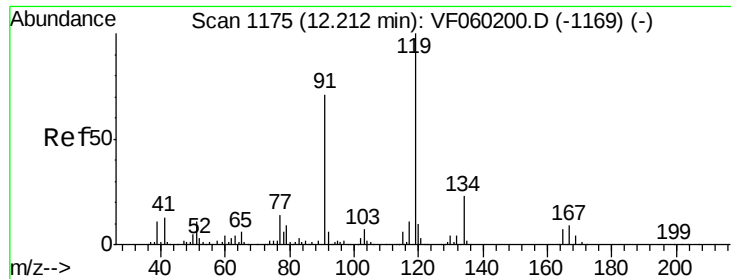
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#82
4-Chlorotoluene
Concen: 5.21 ug/l
RT: 11.98 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.4	43.4





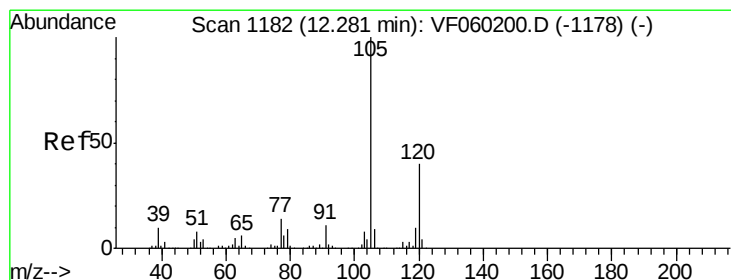
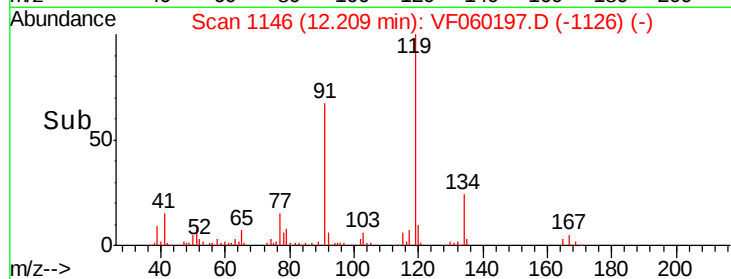
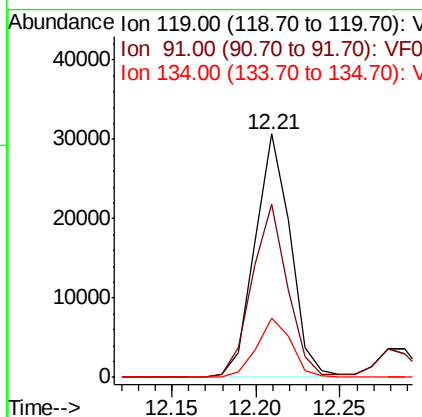
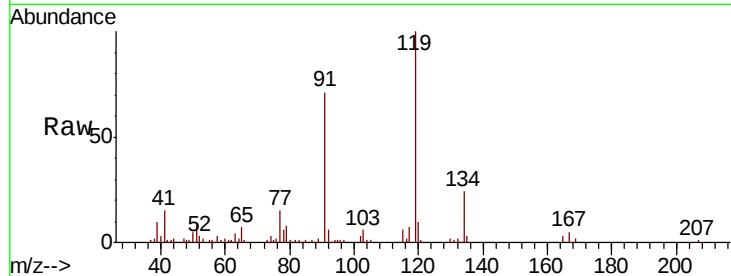
#83
 tert-Butylbenzene
 Concen: 4.86 ug/l
 RT: 12.21 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.0	35.8	107.4
134	24.2	11.6	34.7

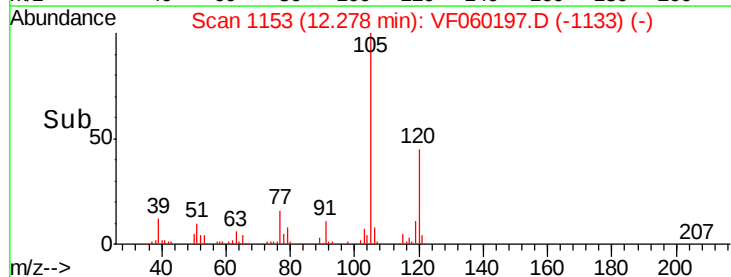
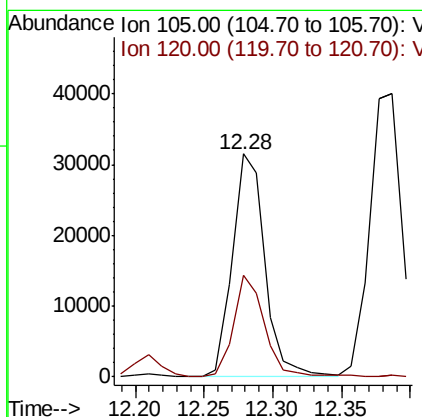
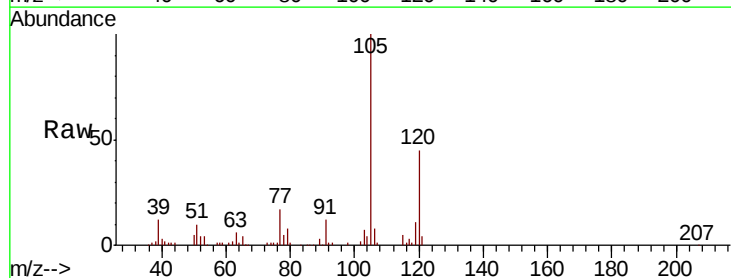
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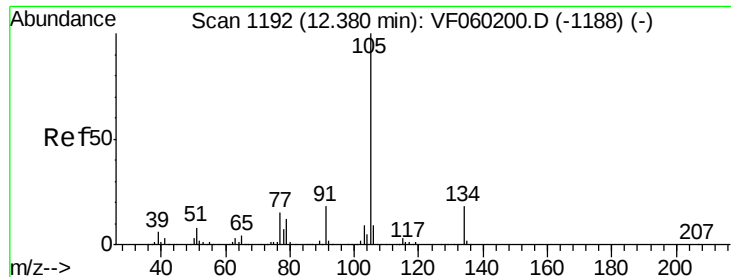
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.97 ug/l
 RT: 12.28 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	20.2	60.5





#85

sec-Butylbenzene

Concen: 5.21 ug/l

RT: 12.39 min Scan# 1164

Delta R.T. 0.01 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 66200

Ion Ratio Lower Upper

105 100

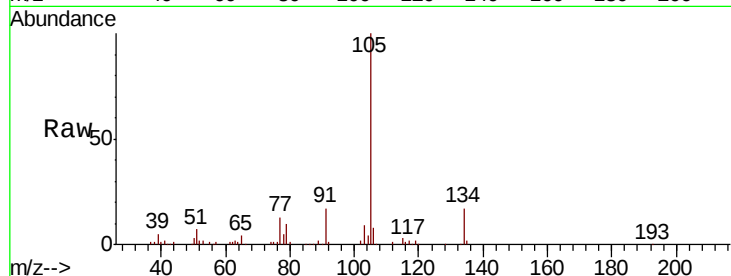
134 17.1 8.8 26.5

Manual Integrations

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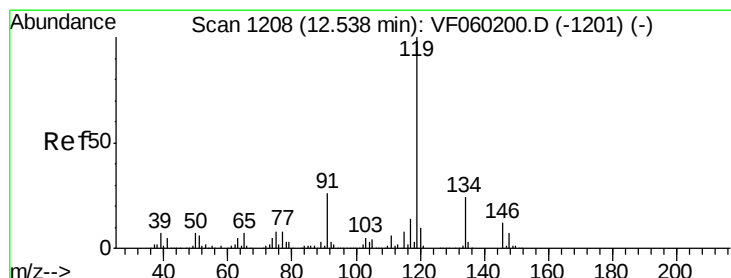
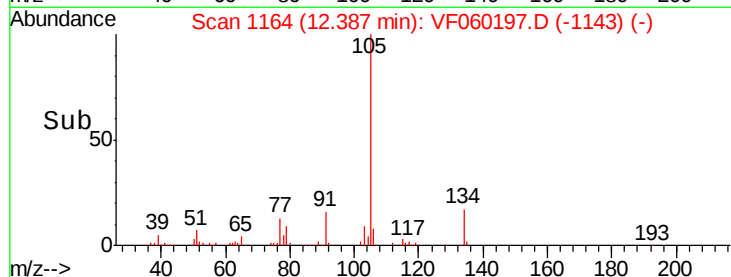
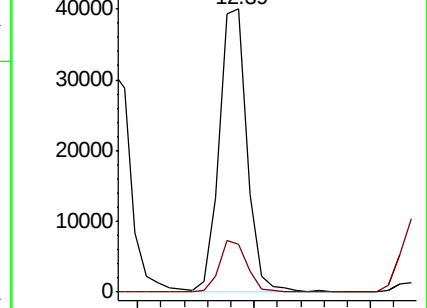
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.11 ug/l

RT: 12.53 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VF060197.D

Acq: 6 Sep 2018 11:45

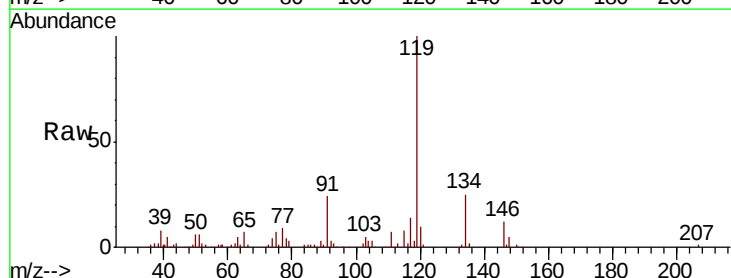
Tgt Ion:119 Resp: 58038

Ion Ratio Lower Upper

119 100

134 25.0 12.0 36.0

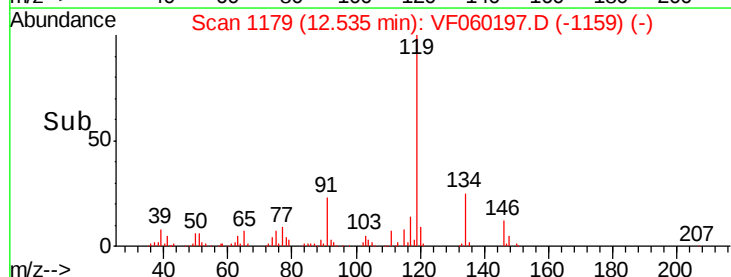
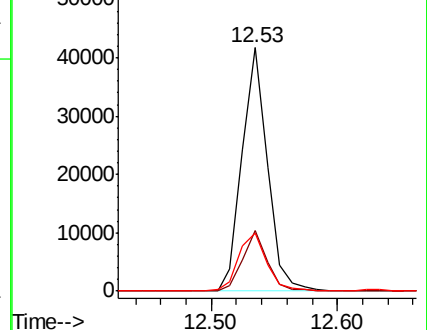
91 23.6 12.9 38.7

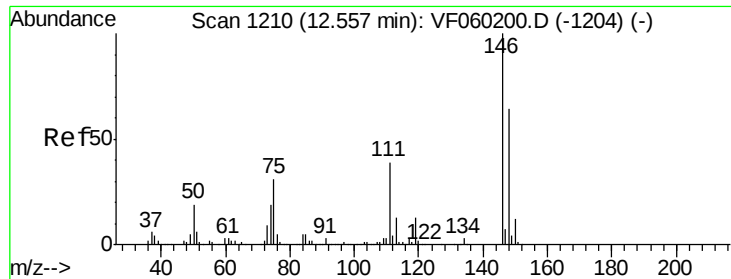


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





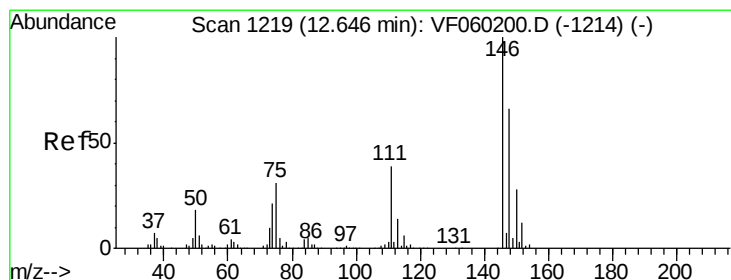
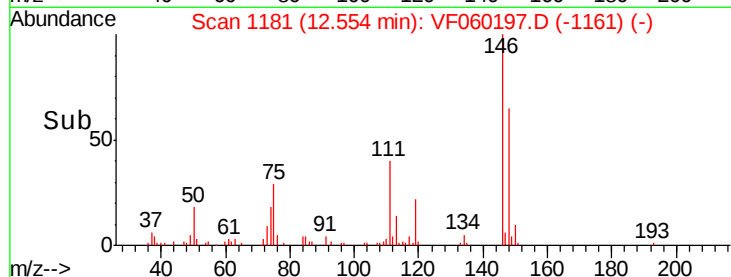
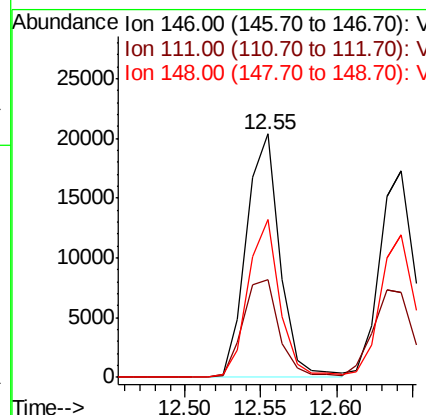
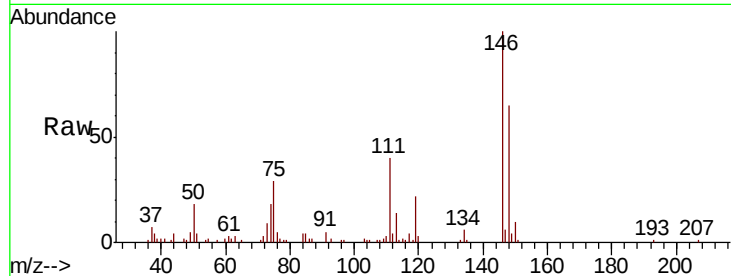
#87
 1,3-Dichlorobenzene
 Concen: 5.72 ug/l
 RT: 12.55 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.1
148	64.9	32.0	96.0

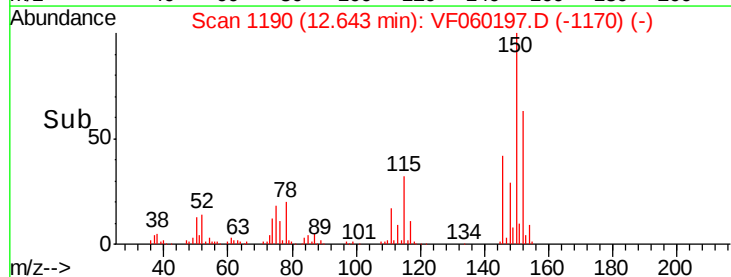
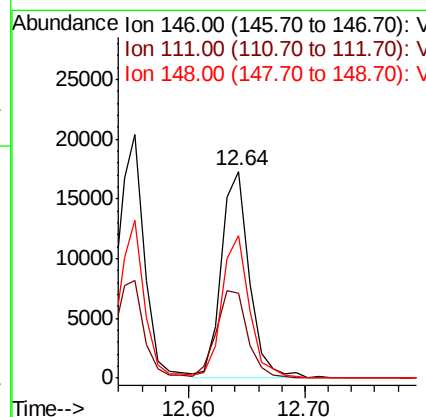
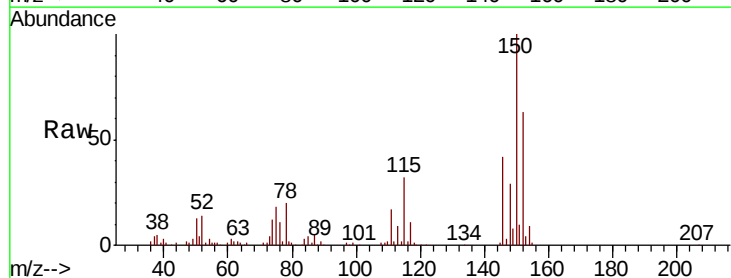
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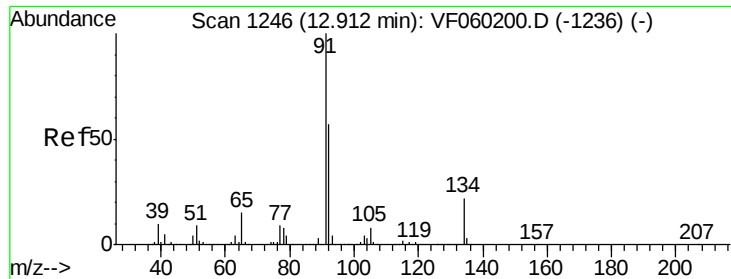
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#88
 1,4-Dichlorobenzene
 Concen: 5.33 ug/l
 RT: 12.64 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.7	59.1
148	69.1	33.1	99.5





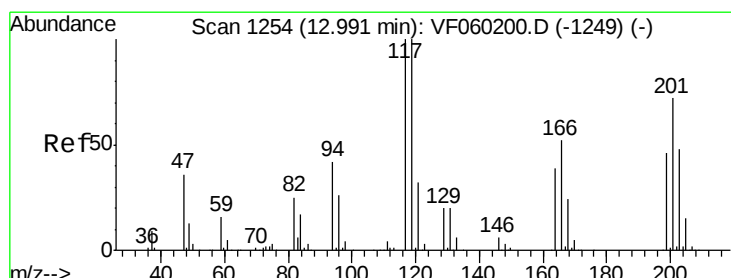
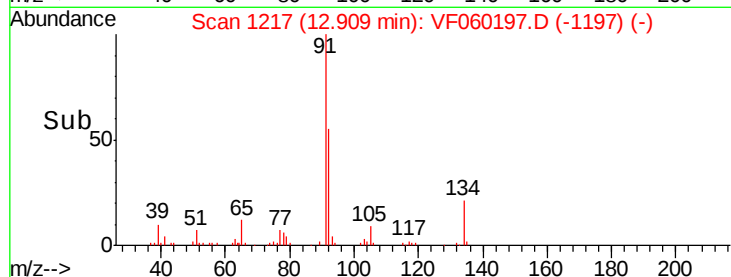
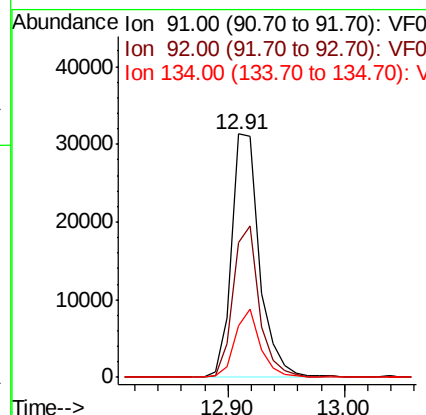
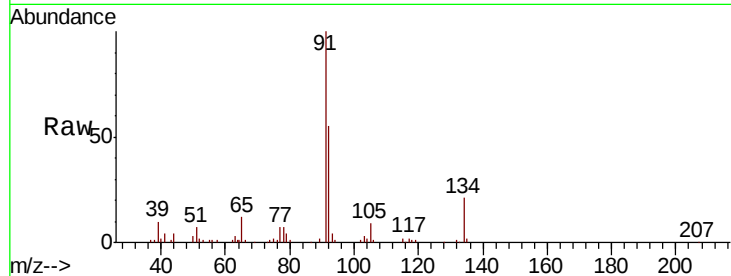
#89
n-Butylbenzene
Concen: 4.78 ug/l
RT: 12.91 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	28.4	85.3
134	21.0	11.1	33.3

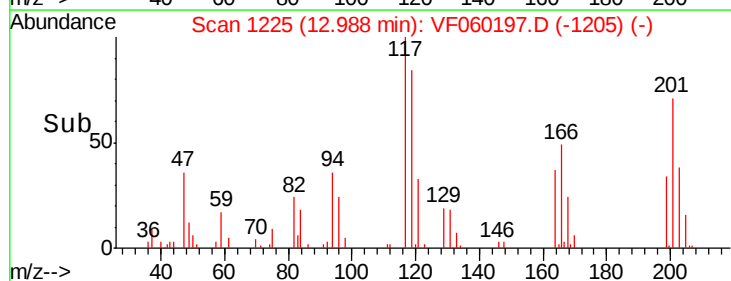
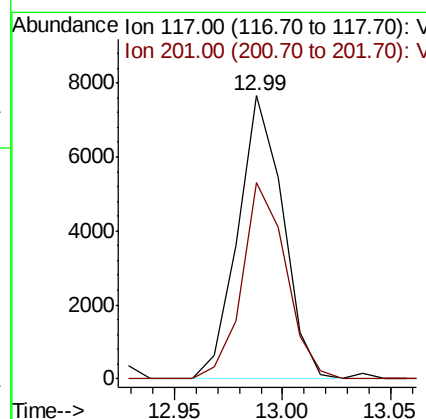
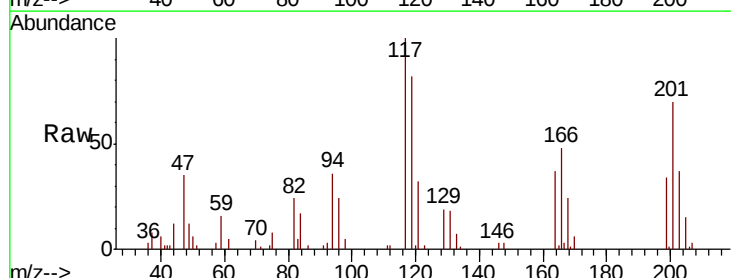
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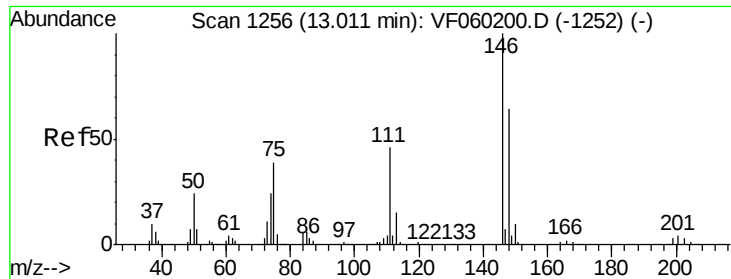
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#90
Hexachloroethane
Concen: 4.80 ug/l
RT: 12.99 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.5	35.7	107.1





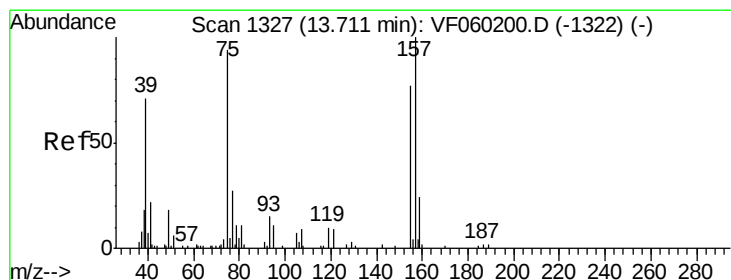
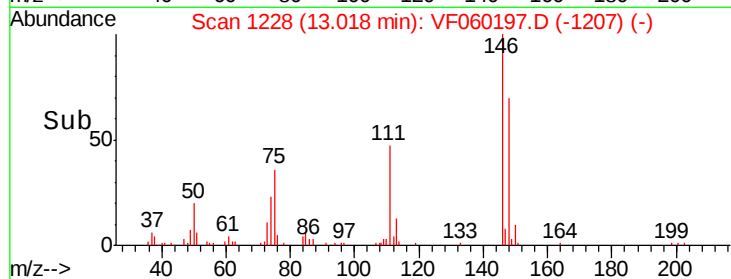
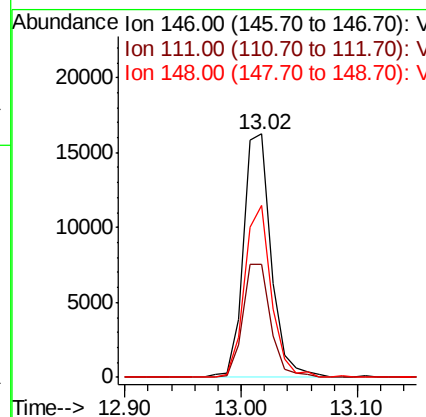
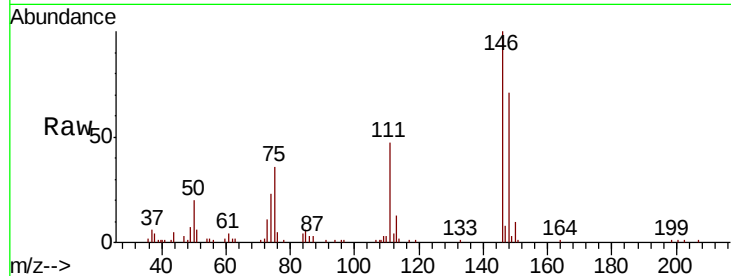
#91
 1,2-Dichlorobenzene
 Concen: 5.10 ug/l
 RT: 13.02 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.0	69.0
148	70.6	32.2	96.6

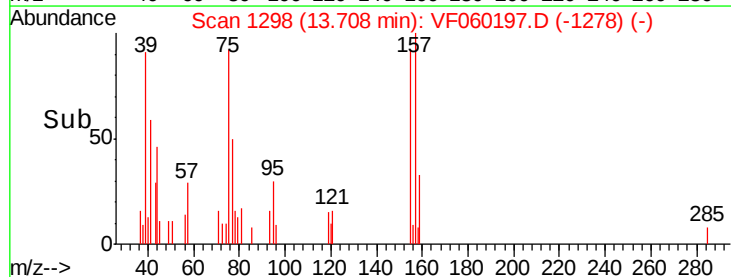
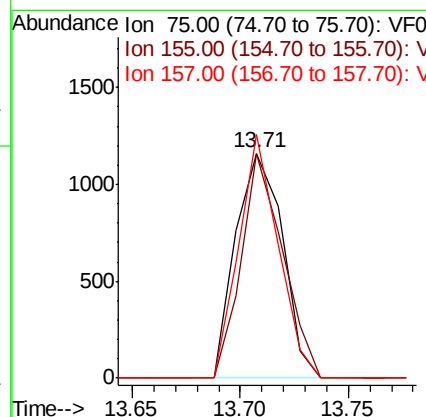
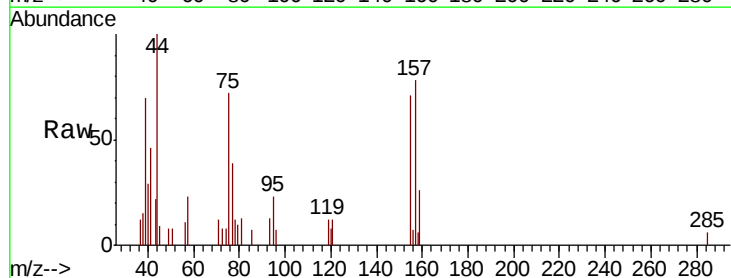
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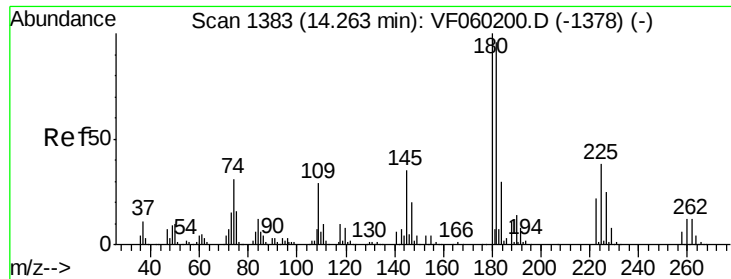
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.93 ug/l
 RT: 13.71 min Scan# 1298
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	40.8	122.5
157	108.5	53.3	159.9





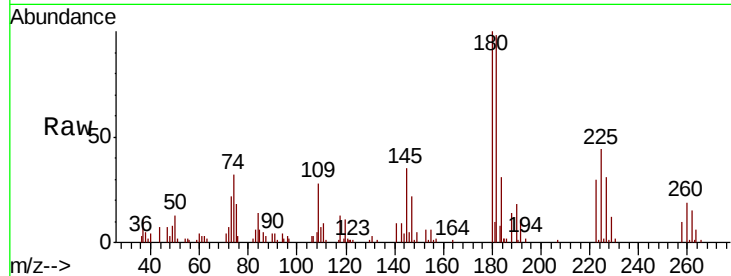
#93
 1,2,4-Trichlorobenzene
 Concen: 4.83 ug/l
 RT: 14.26 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	19576		
182	98.4	48.2	144.6	
145	35.1	17.4	52.2	

Manual Integrations
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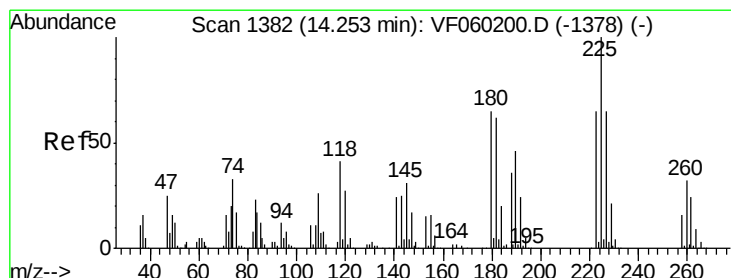
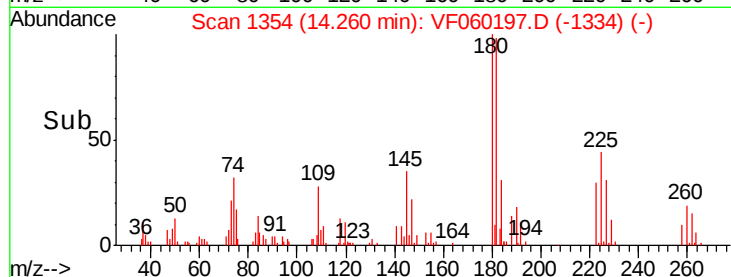
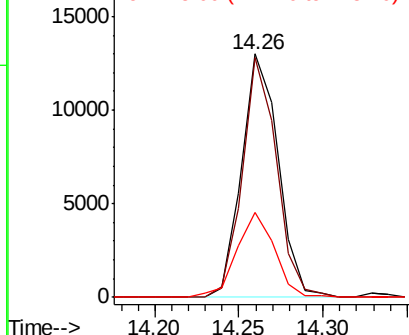


Abundance

Ion 180.00 (179.70 to 180.70): V

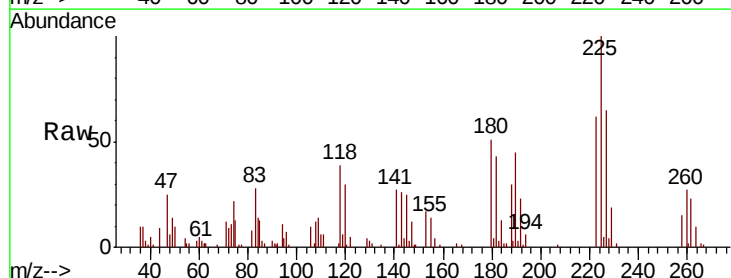
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 4.92 ug/l
 RT: 14.25 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: VF060197.D
 Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14278		
223	62.5	32.3	96.8	
227	64.8	32.4	97.0	

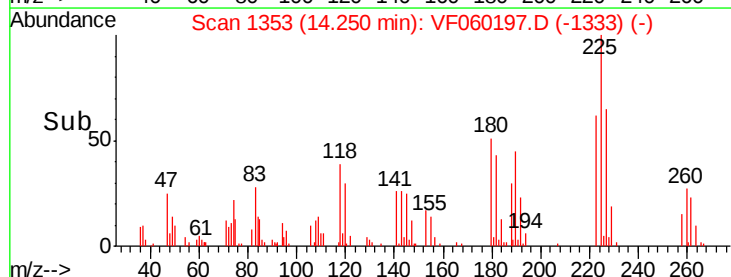
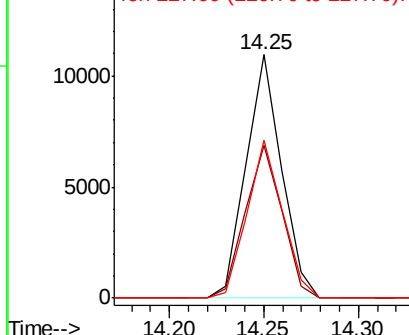


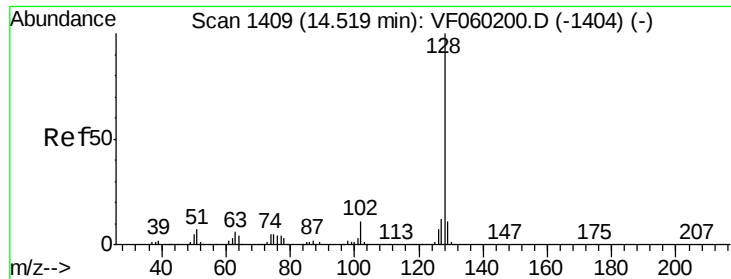
Abundance

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





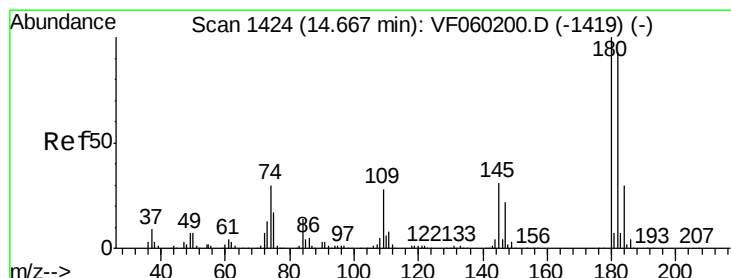
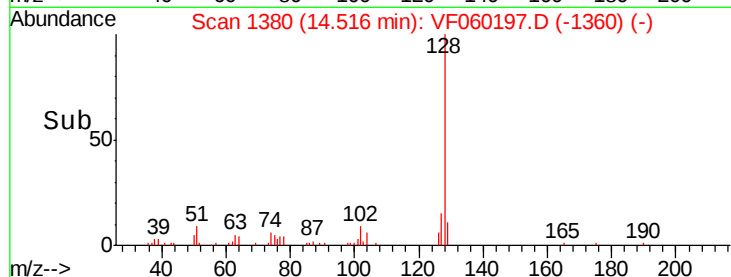
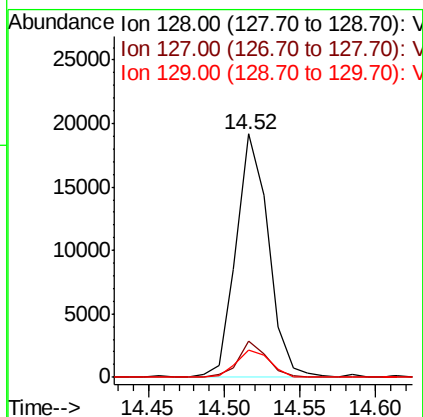
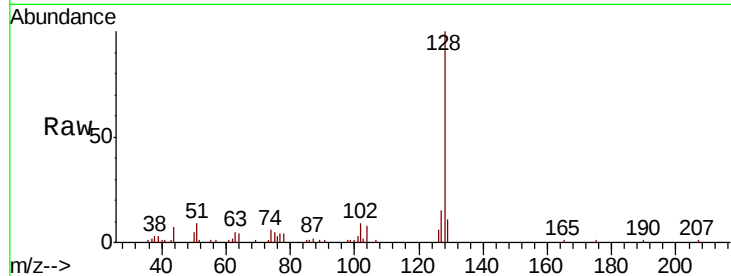
#95
Naphthalene
Concen: 5.04 ug/l
RT: 14.52 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
128	100	28571		
127	15.1		9.9	14.9#
129	11.0		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.64 ug/l
RT: 14.66 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VF060197.D
Acq: 6 Sep 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	17617		
182	93.5		46.6	139.7
145	34.2		15.7	47.0

