

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF083018\
 Data File : VF060195.D
 Acq On : 29 Aug 2018 17:53
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 8/30/2018 3:31:36 PM

Quant Time: Aug 30 08:34:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F083018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 02:37:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	157191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	246951	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	252569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	159142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	429447	328.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	656.50%	
35) Dibromofluoromethane	4.30	113	321148	186.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	373.40%	
50) Toluene-d8	7.72	98	792793	143.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.76%	
62) 4-Bromofluorobenzene	11.51	95	450048	199.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	398.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	400547	127.01	ug/l	98
3) Chloromethane	1.08	50	249739	194.15	ug/l	93
4) Vinyl Chloride	1.12	62	195334	160.66	ug/l	100
5) Bromomethane	1.32	94	150552	217.80	ug/l	97
6) Chloroethane	1.39	64	91750	127.74	ug/l	92
7) Trichlorofluoromethane	1.48	101	367986m	70.37	ug/l	
8) Diethyl Ether	1.71	74	78632	307.35	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.85	101	236979	102.97	ug/l	94
10) Methyl Iodide	1.93	142	205384	167.09	ug/l	94
11) Tert butyl alcohol	2.70	59	111469	3109.06	ug/l	98
12) 1,1-Dichloroethene	1.82	96	157123	108.07	ug/l	97
13) Acrolein	2.09	56	63063	2042.21	ug/l	99
14) Allyl chloride	2.19	41	213753	161.83	ug/l	97
15) Acrylonitrile	3.09	53	163633	2221.12	ug/l	99
16) Acetone	2.35	43	443681	2074.87	ug/l	98
17) Carbon Disulfide	1.84	76	532063	124.50	ug/l	99
18) Methyl Acetate	2.46	43	133929	312.13	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	589457	378.65	ug/l	98
20) Methylene Chloride	2.28	84	180397	190.53	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	175403	139.76	ug/l	95
22) Diisopropyl ether	2.93	45	642931	268.39	ug/l	97
23) Vinyl Acetate	3.34	43	2075849	2454.45	ug/l #	93
24) 1,1-Dichloroethane	3.01	63	397139	176.47	ug/l	100
25) 2-Butanone	4.52	43	585056	2543.43	ug/l	99
26) 2,2-Dichloropropane	3.77	77	509511	281.20	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	251434	247.86	ug/l	94
28) Bromochloromethane	3.89	49	130130	231.73	ug/l	100
29) Tetrahydrofuran	4.26	42	217870	2328.61	ug/l	95
30) Chloroform	4.04	83	621899	226.75	ug/l	94
31) Cyclohexane	3.86	56	292436	144.71	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	587968	166.46	ug/l	99
36) 1,1-Dichloropropene	4.47	75	405904	122.75	ug/l	96
37) Ethyl Acetate	4.30	43	238674	377.60	ug/l #	76
38) Carbon Tetrachloride	4.17	117	551618	123.02	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	352943	114.26	ug/l	97
40) Benzene	4.81	78	755550	158.41	ug/l	98
41) Methacrylonitrile	4.93	41	111977	344.57	ug/l	98
42) 1,2-Dichloroethane	5.13	62	540473	266.99	ug/l	100
43) Isopropyl Acetate	7.12	43	308253	398.98	ug/l	100
44) Trichloroethene	5.68	130	261262	132.63	ug/l	100
45) 1,2-Dichloropropane	6.41	63	215214	198.24	ug/l	92
46) Dibromomethane	6.26	93	207825	309.83	ug/l	94
47) Bromodichloromethane	6.56	83	524329	237.85	ug/l	96
48) Methyl methacrylate	6.88	41	216257	352.41	ug/l	95
49) 1,4-Dioxane	6.87	88	38735	9098.57	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	1180185	1692.20	ug/l	100
52) Toluene	7.79	92	547317	151.58	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	448829	309.26	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	473960	269.43	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	225409	287.49	ug/l	96
56) Ethyl methacrylate	8.76	69	291993	378.20	ug/l	94
57) 1,3-Dichloropropane	9.00	76	404571	297.02	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	114728	764.57	ug/l	100
59) 2-Hexanone	9.63	43	950327	1811.76	ug/l	99
60) Dibromochloromethane	8.87	129	377331	295.61	ug/l	89
61) 1,2-Dibromoethane	9.14	107	285881	332.02	ug/l	97
64) Tetrachloroethene	8.31	164	268652	92.60	ug/l	96
65) Chlorobenzene	9.95	112	721443	141.75	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	321321	181.65	ug/l	97
67) Ethyl Benzene	10.05	91	1229513	111.63	ug/l	97
68) m/p-Xylenes	10.27	106	867565	235.75	ug/l	96
69) o-Xylene	10.83	106	488247	144.67	ug/l	93
70) Styrene	10.91	104	728814	167.64	ug/l	99
71) Bromoform	10.89	173	240623	321.52	ug/l #	99
73) Isopropylbenzene	11.23	105	1437371	89.43	ug/l	99
74) N-amyl acetate	11.46	43	492323	296.73	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	297465	220.02	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	260010	227.07	ug/l	95
77) Bromobenzene	11.60	156	383322	148.82	ug/l	91
78) n-propylbenzene	11.69	91	1610669	83.04	ug/l	99
79) 2-Chlorotoluene	11.82	91	989105	105.66	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	1237766	99.72	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	111453m	330.29	ug/l	
82) 4-Chlorotoluene	12.00	91	1126898	120.76	ug/l	95
83) tert-Butylbenzene	12.22	119	1144900	87.92	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	1243044	114.89	ug/l	98
85) sec-Butylbenzene	12.39	105	1553910	81.61	ug/l	99
86) p-Isopropyltoluene	12.54	119	1346627	94.19	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	679604	126.98	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	695828	141.01	ug/l	97
89) n-Butylbenzene	12.92	91	1341608	107.88	ug/l	97
90) Hexachloroethane	13.00	117	333875	108.09	ug/l	77
91) 1,2-Dichlorobenzene	13.02	146	668878	154.97	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	86602	329.46	ug/l	72

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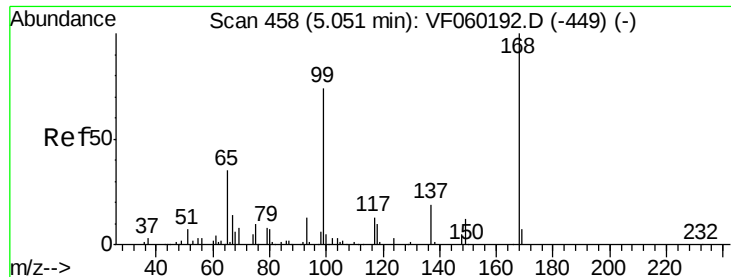
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	517091	238.59	ug/l	94
94) Hexachlorobutadiene	14.25	225	333680	95.91	ug/l	99
95) Naphthalene	14.53	128	1006287	448.73	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	535105	287.10	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 157191

Ion Ratio Lower Upper

168 100

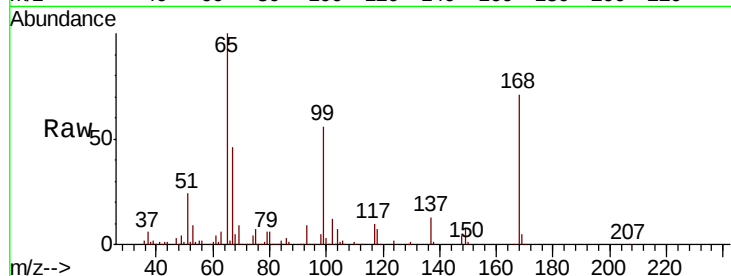
99 78.8 59.4 89.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

50000

40000

30000

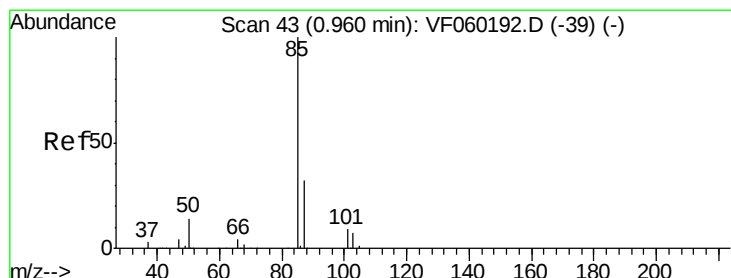
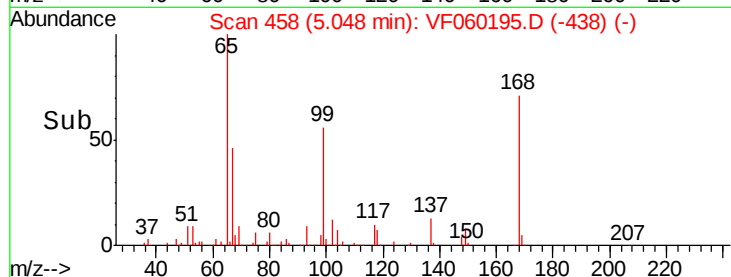
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 127.01 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060195.D

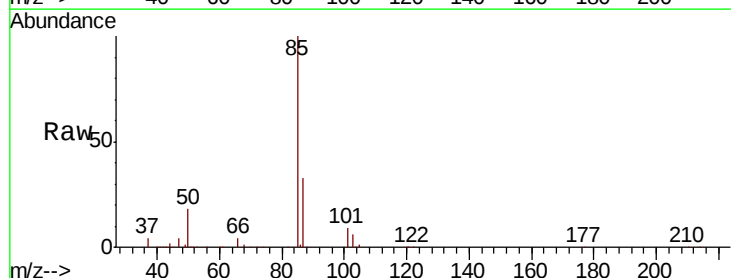
Acq: 29 Aug 2018 17:53

Tgt Ion: 85 Resp: 400547

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

300000

250000

200000

150000

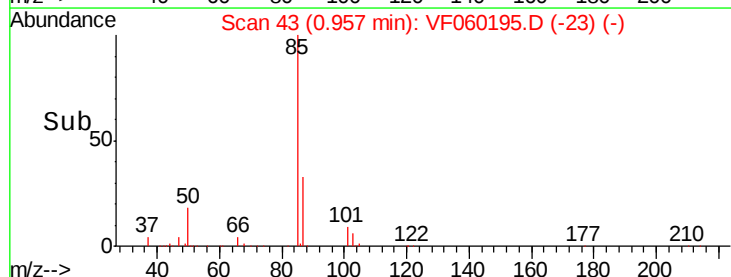
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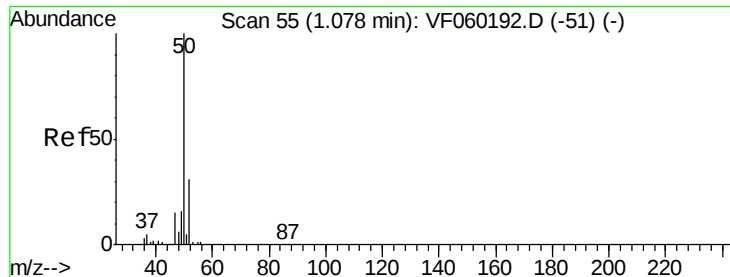
50000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 194.15 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 249739

Ion Ratio Lower Upper

50 100

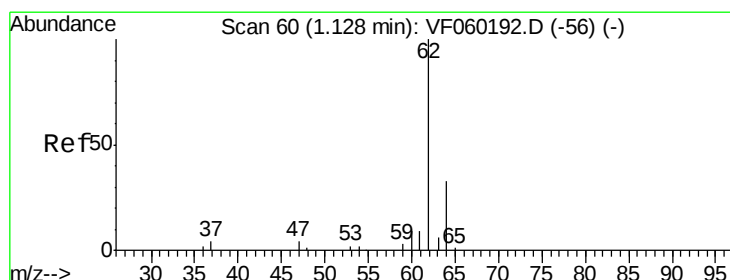
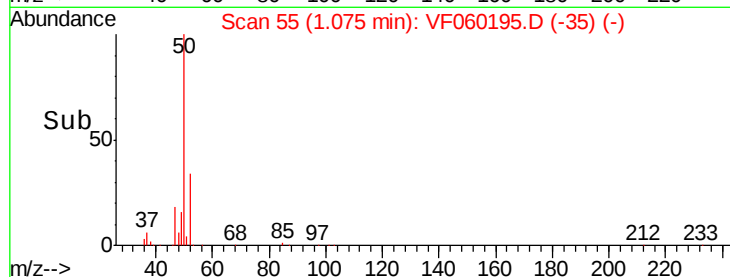
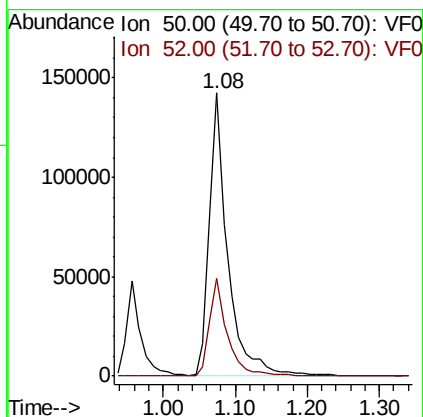
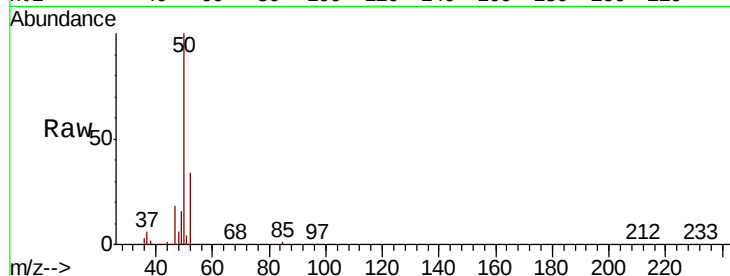
52 34.4 24.3 36.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 160.66 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060195.D

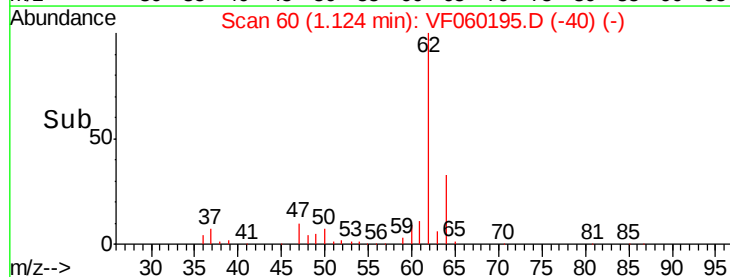
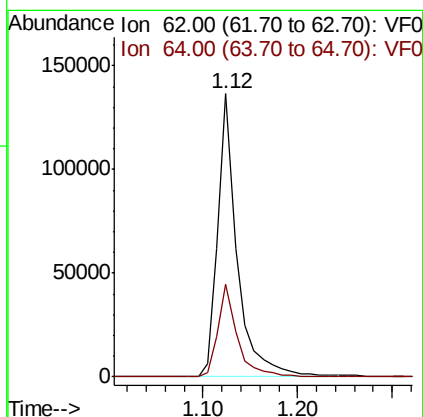
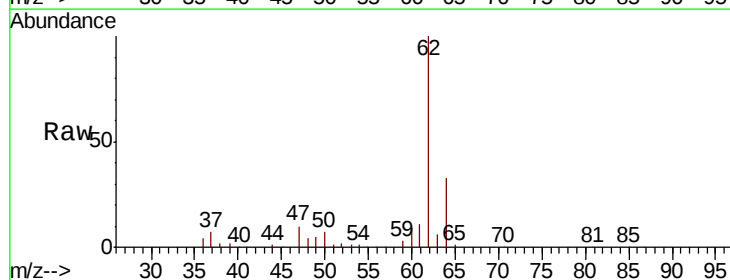
Acq: 29 Aug 2018 17:53

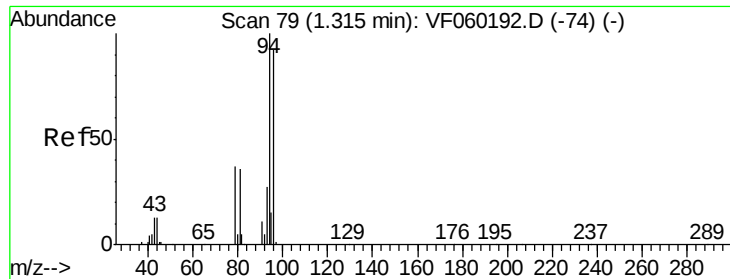
Tgt Ion: 62 Resp: 195334

Ion Ratio Lower Upper

62 100

64 32.8 26.1 39.1





#5

Bromomethane

Concen: 217.80 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 94 Resp: 150552

Ion Ratio Lower Upper

94 100

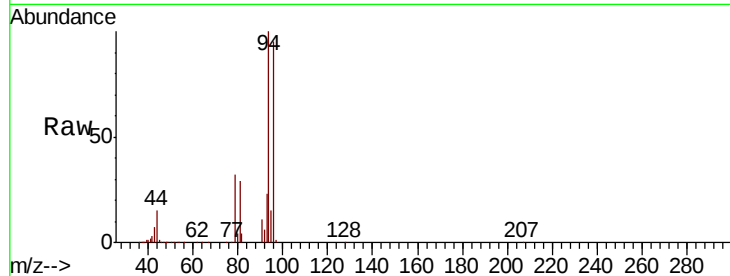
96 95.1 73.6 110.4

Manual Integrations

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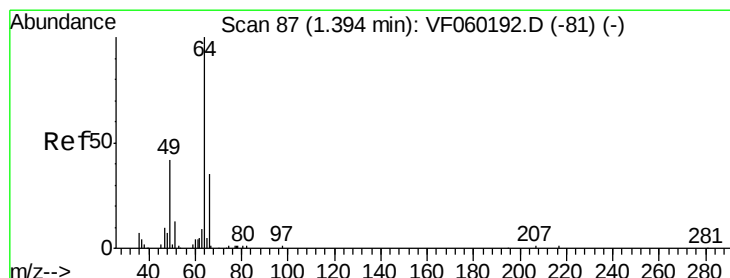
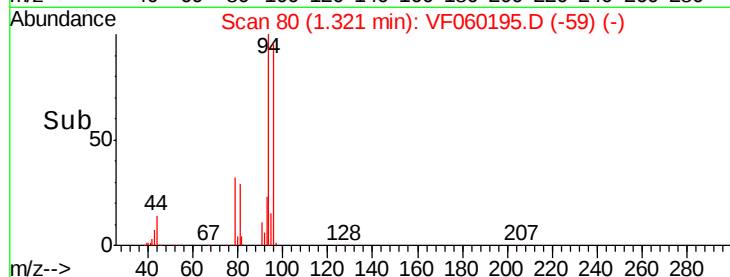
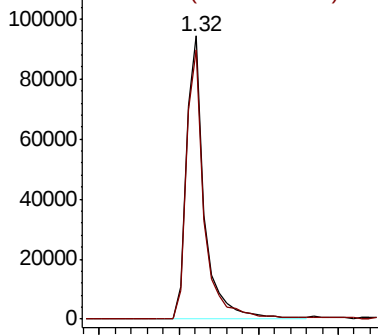
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 127.74 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060195.D

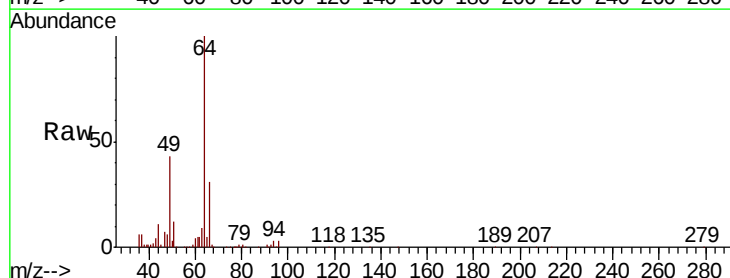
Acq: 29 Aug 2018 17:53

Tgt Ion: 64 Resp: 91750

Ion Ratio Lower Upper

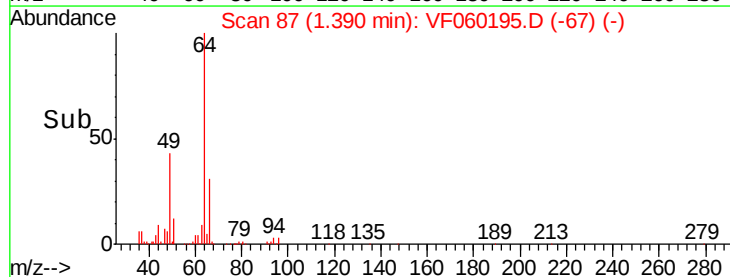
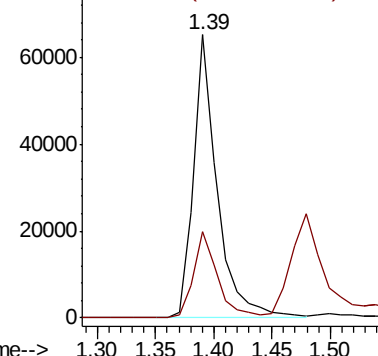
64 100

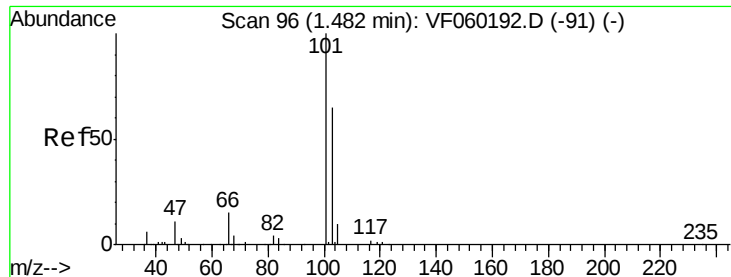
66 30.7 28.2 42.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

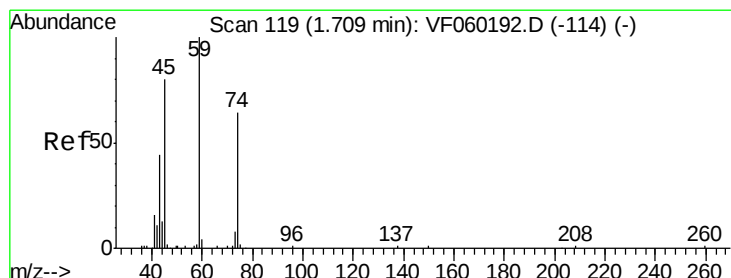
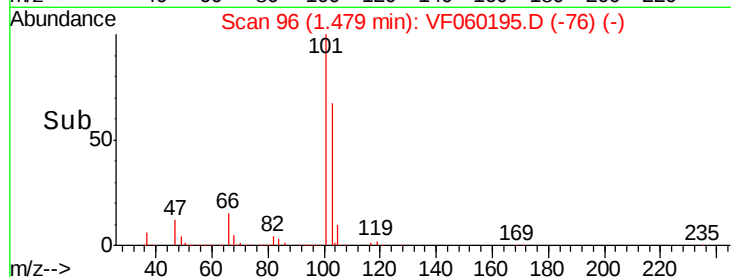
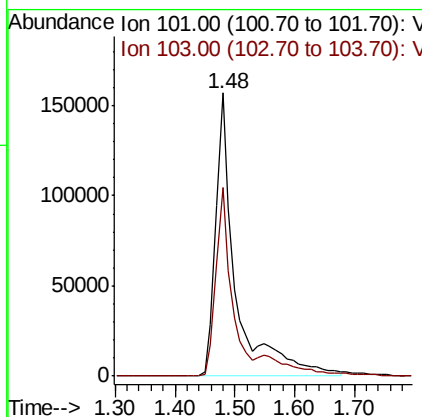
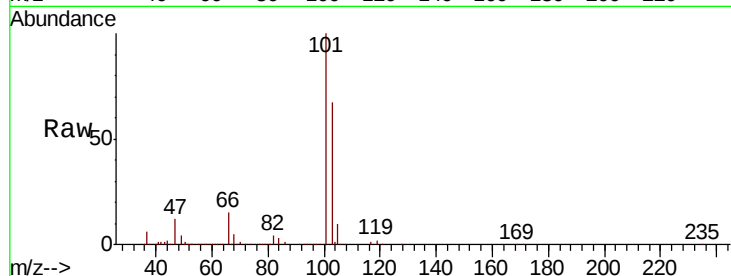
Trichlorofluoromethane
 Concen: 70.37 ug/l m
 RT: 1.48 min Scan# 96
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	367986		
103	66.6	52.4	78.6	

Manual Integrations
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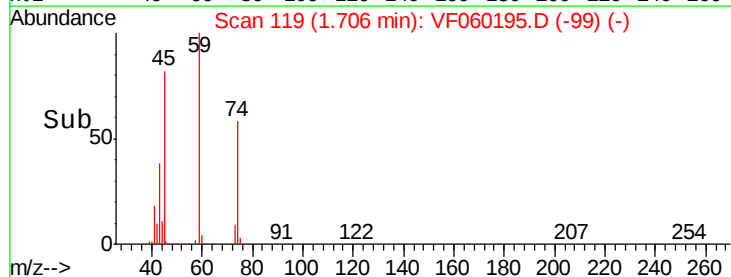
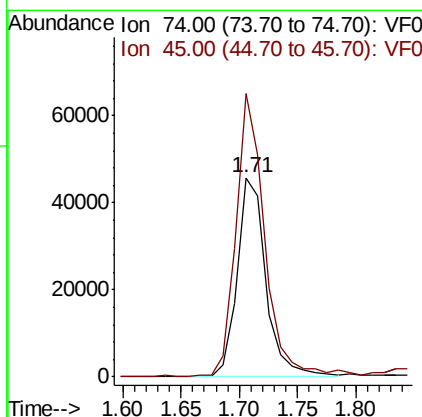
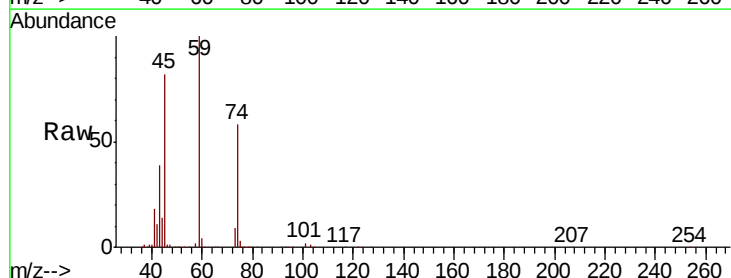
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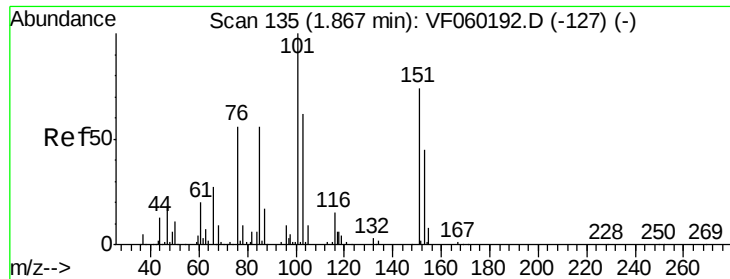


#8

Diethyl Ether
 Concen: 307.35 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	78632		
45	141.9	63.3	190.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.97 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

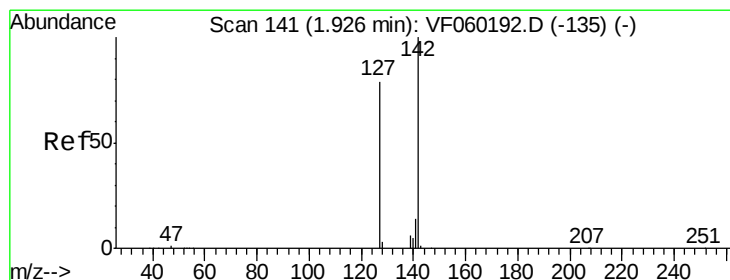
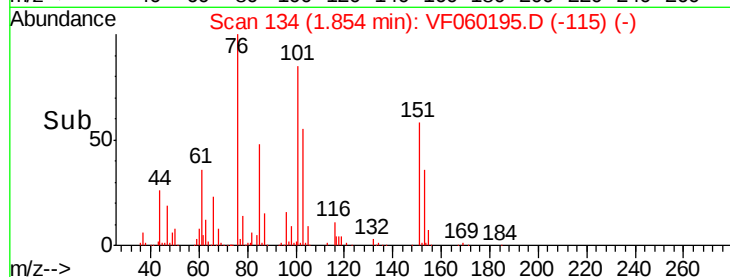
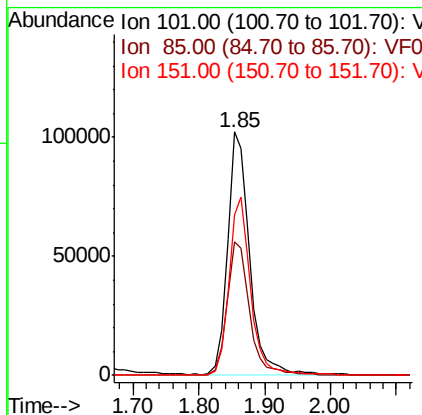
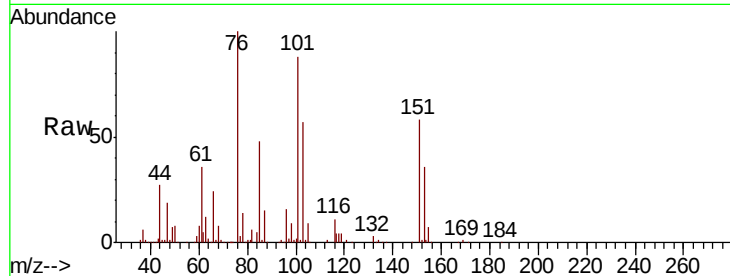
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	236979
Ion Ratio	Lower	Upper	
101	100		
85	54.6	44.5	66.7
151	66.0	58.8	88.2

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#10

Methyl Iodide

Concen: 167.09 ug/l

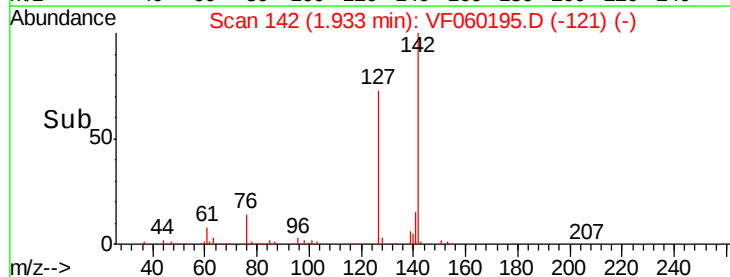
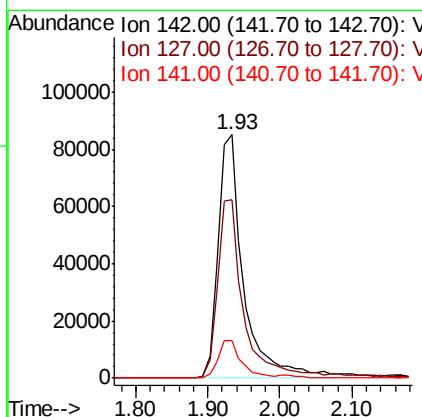
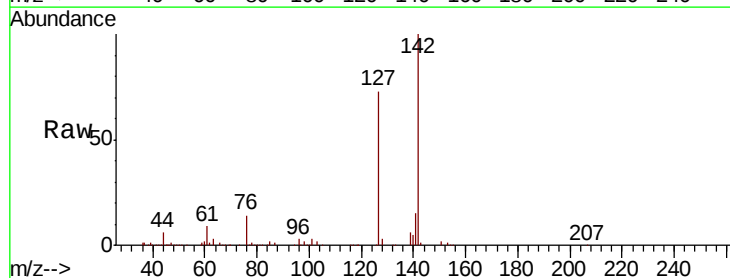
RT: 1.93 min Scan# 142

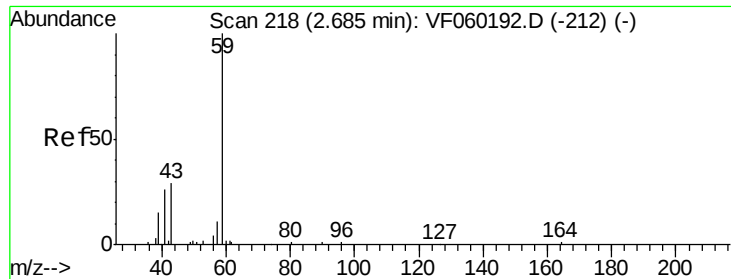
Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Tgt Ion:	142	Resp:	205384
Ion Ratio	Lower	Upper	
142	100		
127	73.1	62.6	94.0
141	15.3	10.9	16.3





#11

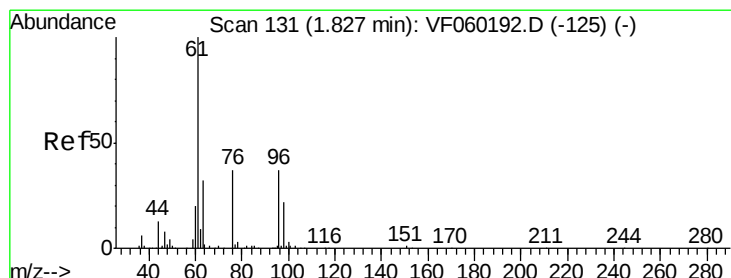
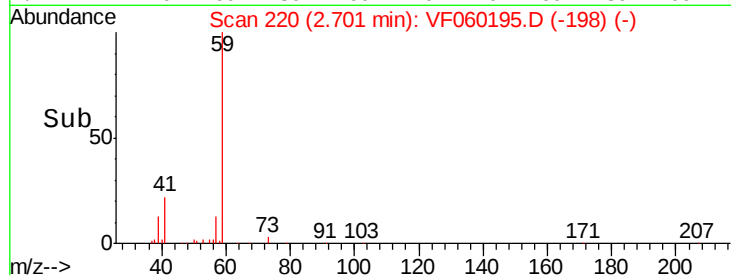
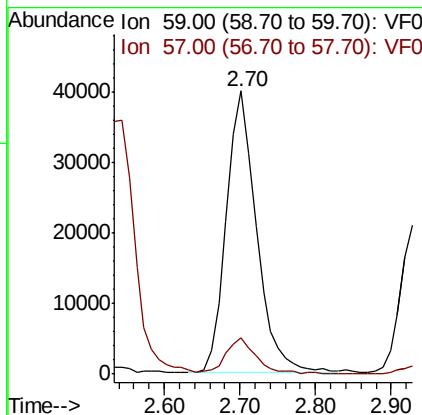
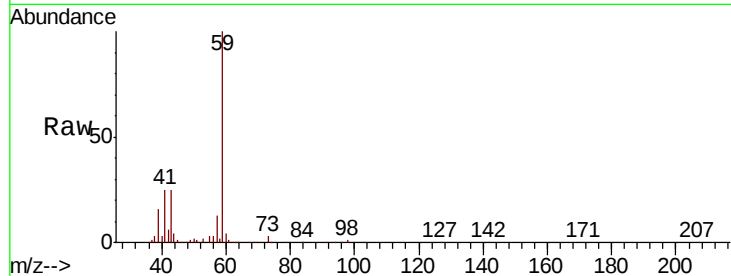
Tert butyl alcohol
 Concen: 3109.06 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.02 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	59.00	Resp	111469
Ion Ratio	59	100	Lower Upper
	57	12.7	10.7 16.1

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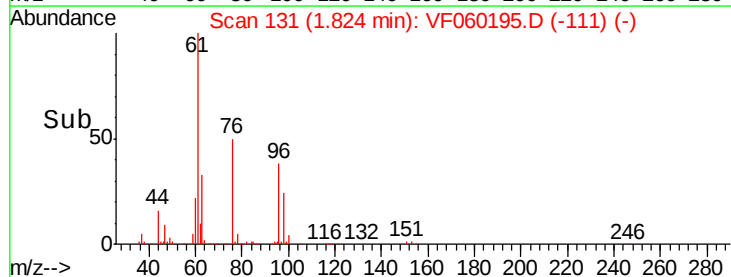
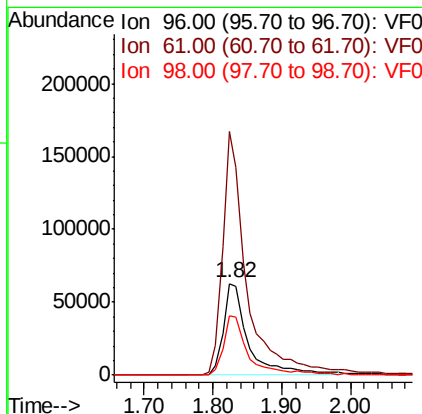
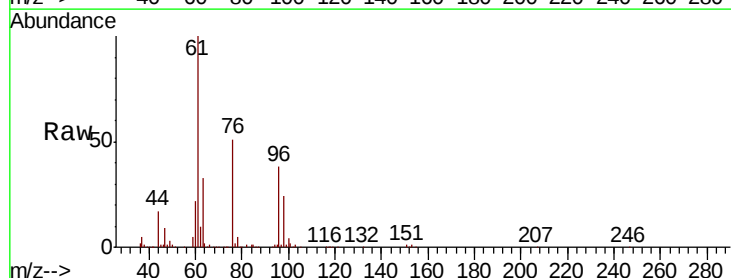
apatel
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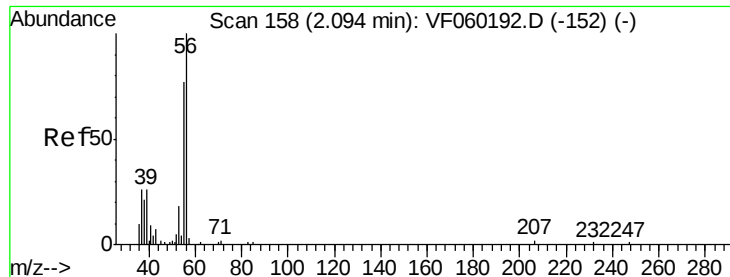


#12

1,1-Dichloroethene
 Concen: 108.07 ug/l
 RT: 1.82 min Scan# 131
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Tgt Ion	96	Resp	157123
Ion Ratio	96	100	Lower Upper
	61	265.3	215.2 322.8
	98	64.8	47.6 71.4





#13

Acrolein

Concen: 2042.21 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 63063

Ion Ratio Lower Upper

56 100

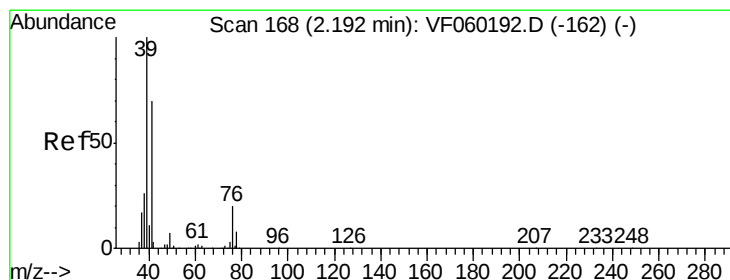
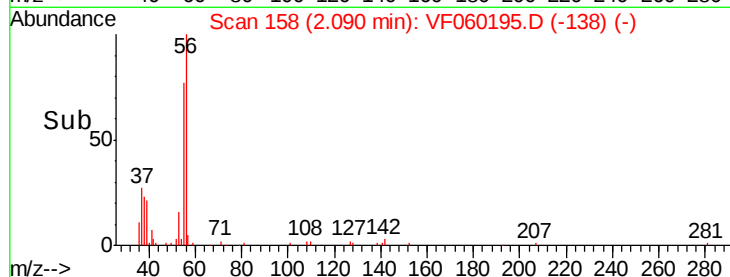
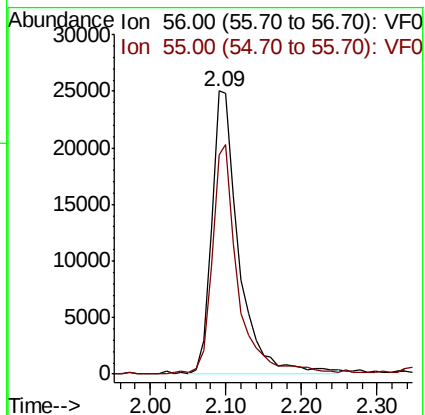
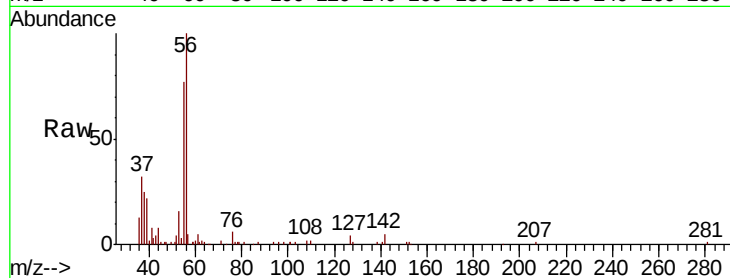
55 77.5 61.4 92.0

Manual Integrations

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#14

Allyl chloride

Concen: 161.83 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

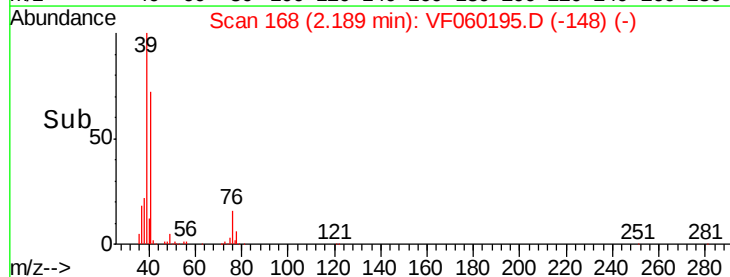
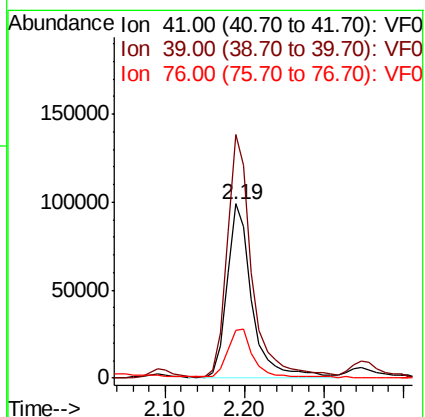
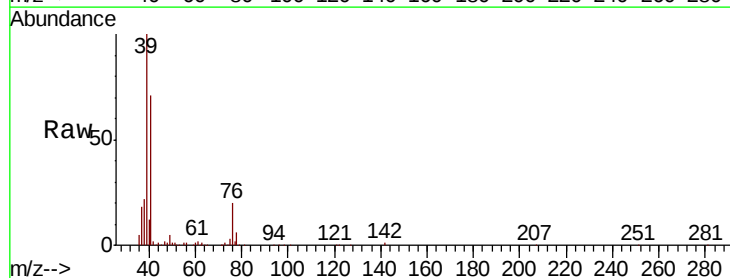
Tgt Ion: 41 Resp: 213753

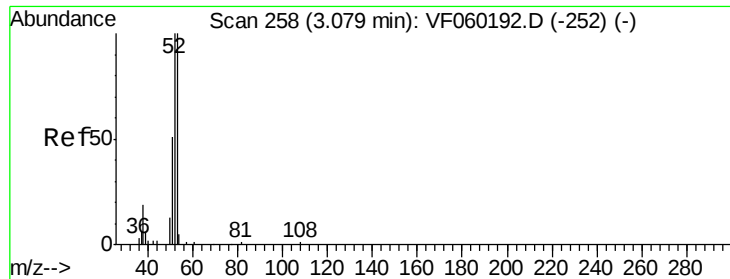
Ion Ratio Lower Upper

41 100

39 139.9 114.6 172.0

76 27.4 23.1 34.7





#15

Acrylonitrile

Concen: 2221.12 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

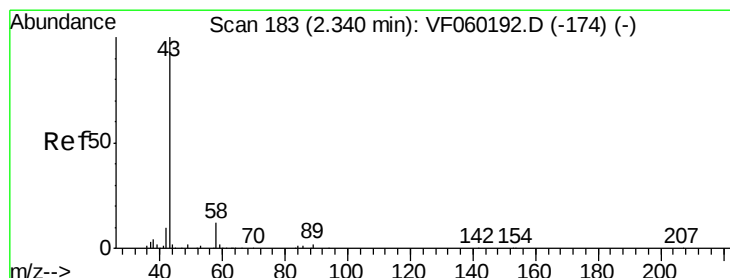
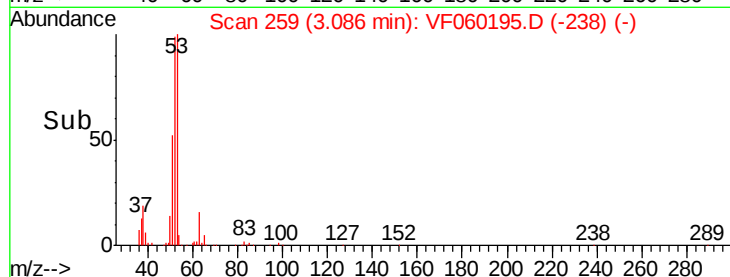
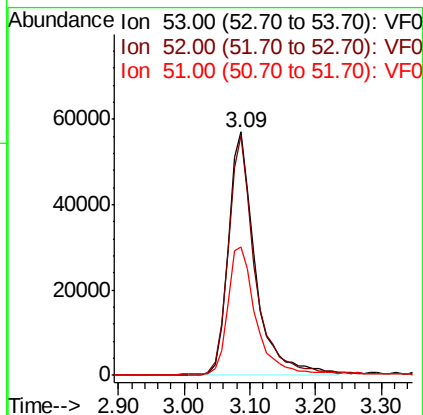
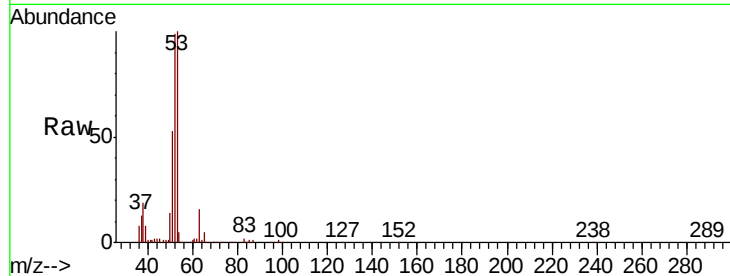
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	163633
Ion	Ratio	Lower	Upper
53	100		
52	98.6	80.2	120.4
51	52.6	42.4	63.6

Manual Integrations
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#16

Acetone

Concen: 2074.87 ug/l

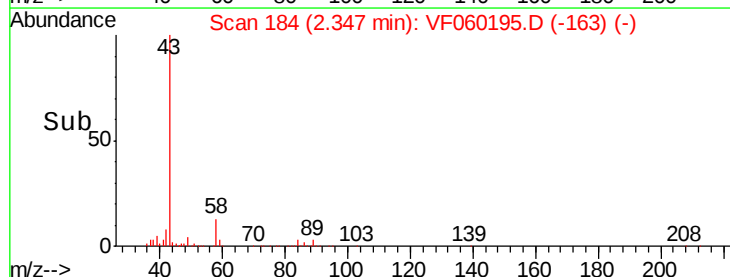
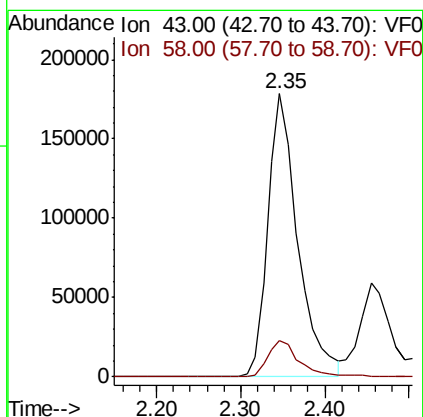
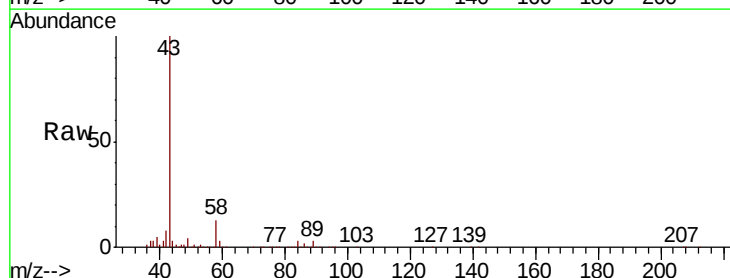
RT: 2.35 min Scan# 184

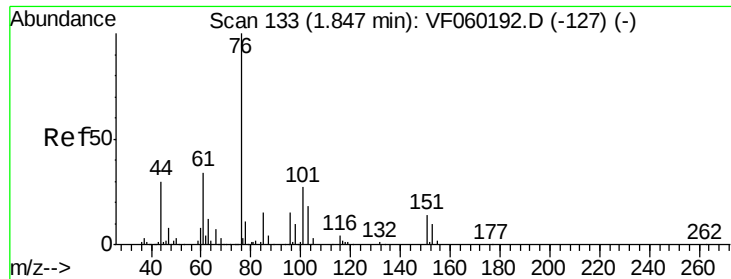
Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Tgt Ion:	43	Resp:	443681
Ion	Ratio	Lower	Upper
43	100		
58	12.8	9.6	14.4





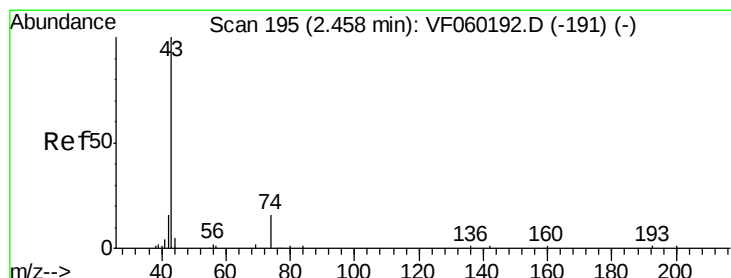
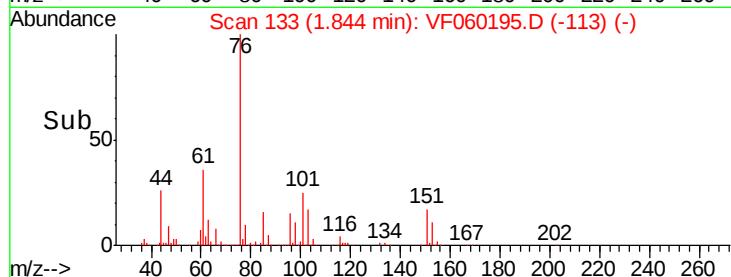
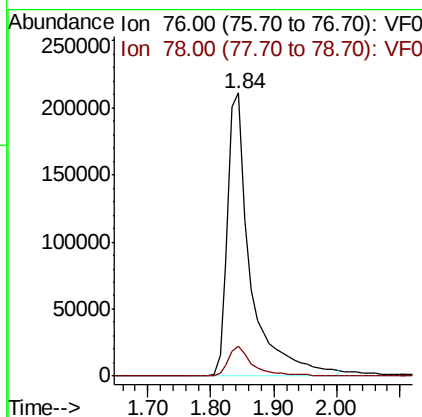
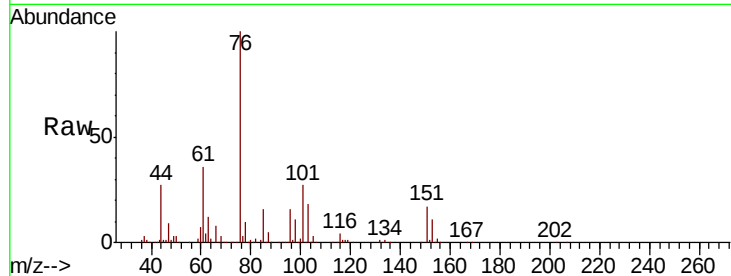
#17
Carbon Disulfide
Concen: 124.50 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.4	8.6	13.0

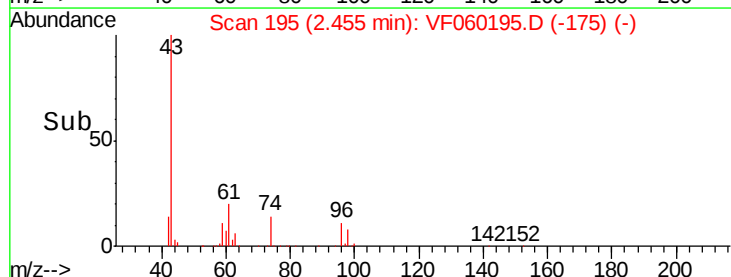
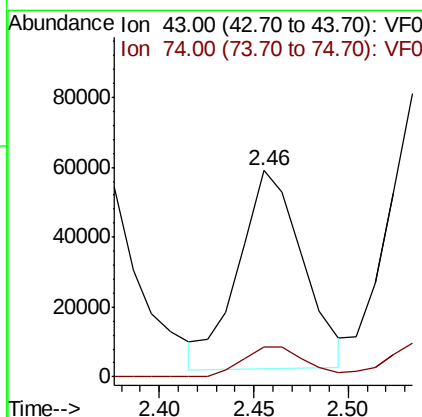
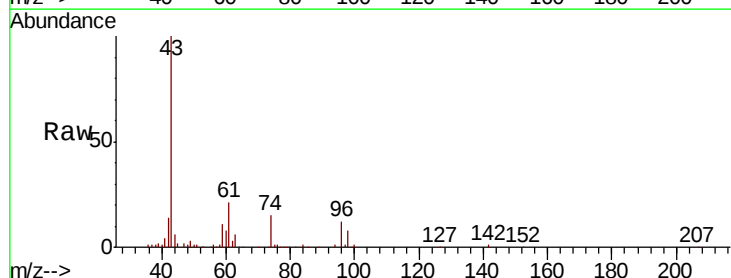
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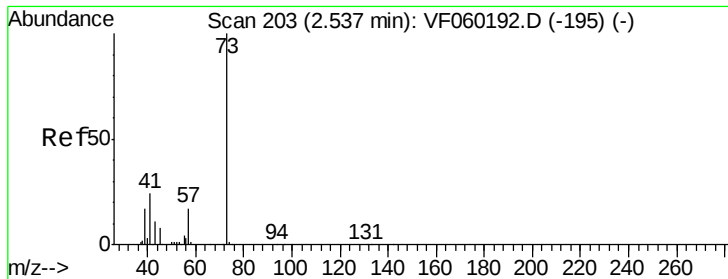
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#18
Methyl Acetate
Concen: 312.13 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.6	11.0	16.4





#19

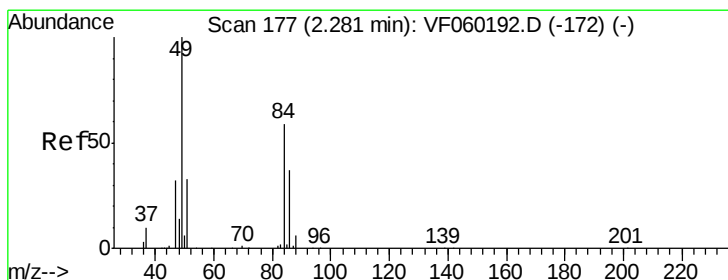
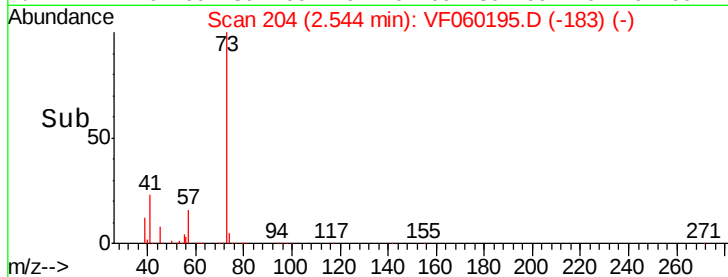
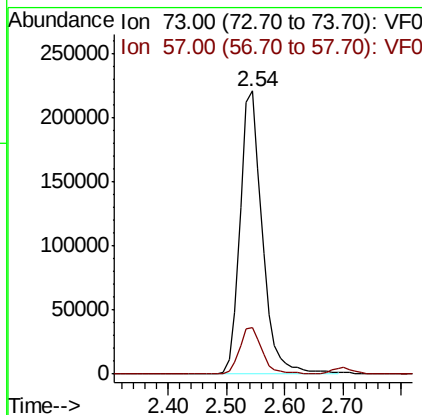
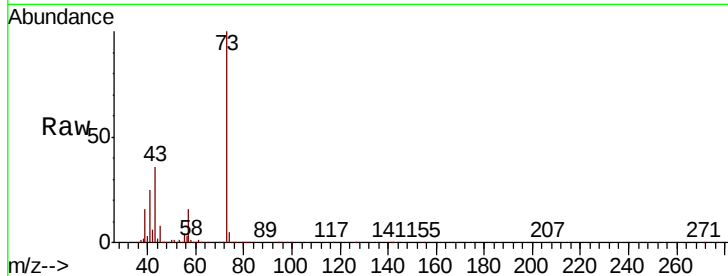
Methyl tert-butyl Ether
 Concen: 378.65 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.3	13.6	20.4

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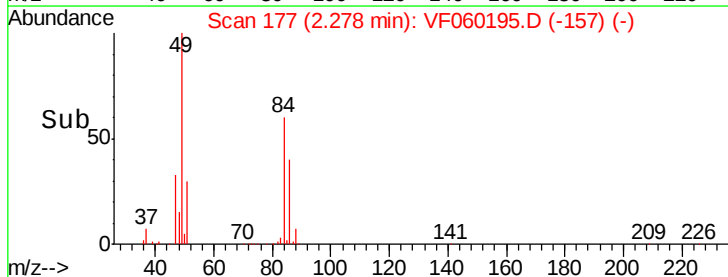
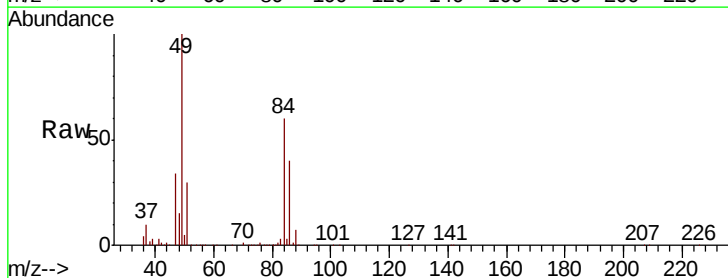
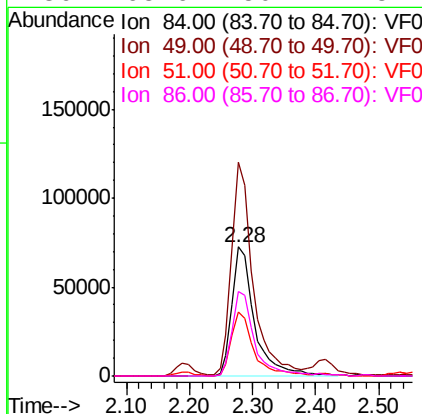
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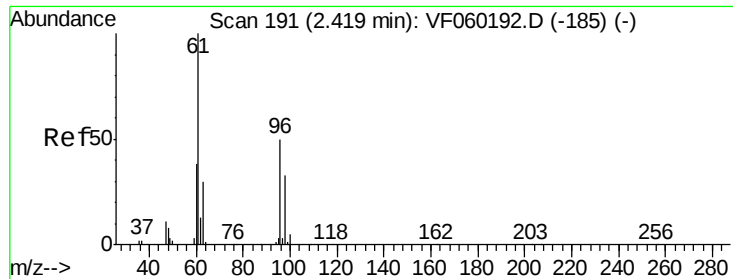


#20

Methylene Chloride
 Concen: 190.53 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	165.7	136.4	204.6
51	49.6	45.1	67.7
86	65.6	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 139.76 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

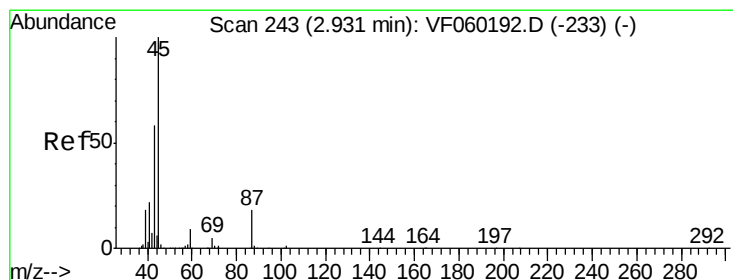
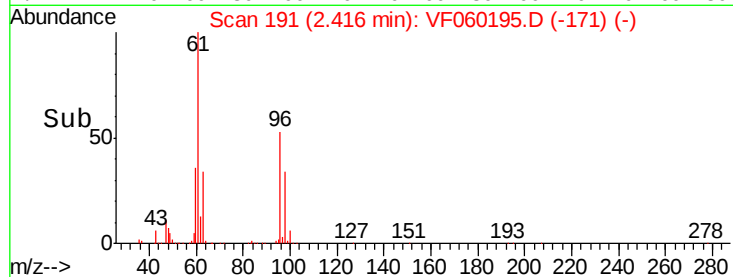
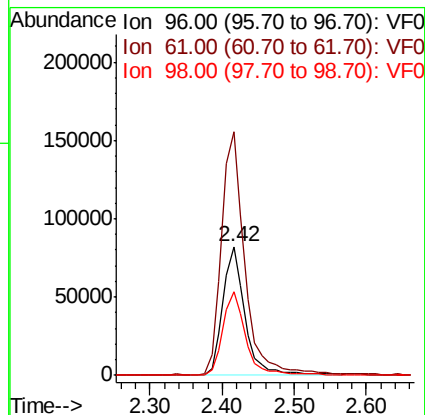
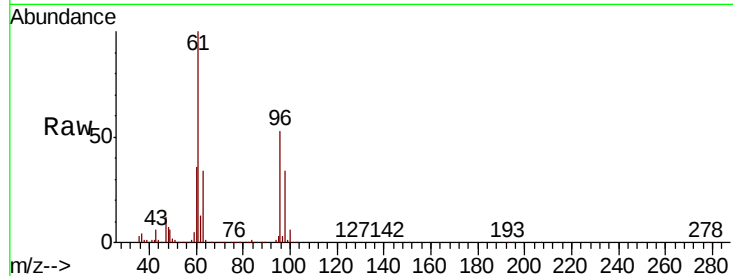
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	175403
Ion	Ratio	Lower	Upper
96	100		
61	189.3	159.8	239.8
98	64.8	51.9	77.9

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#22

Diisopropyl ether

Concen: 268.39 ug/l

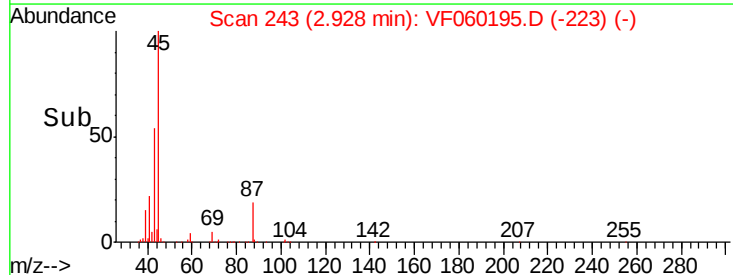
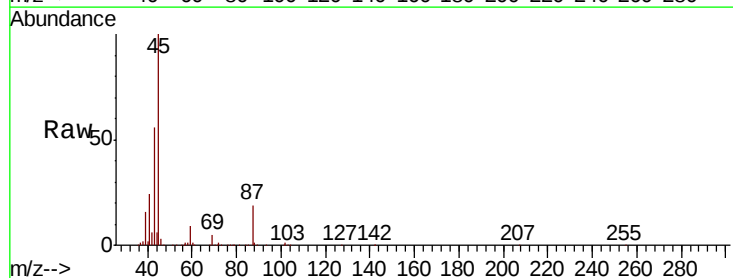
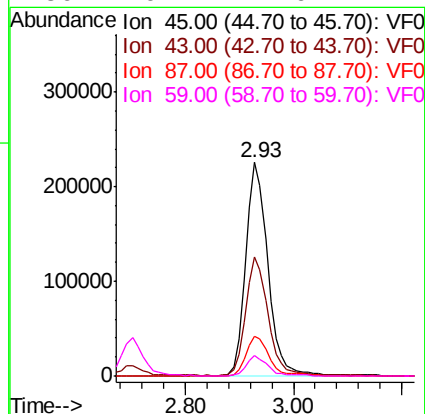
RT: 2.93 min Scan# 243

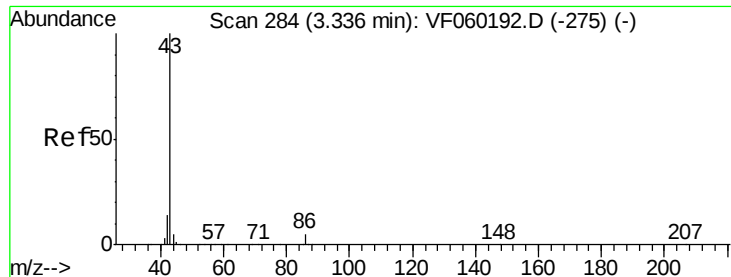
Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Tgt Ion:	45	Resp:	642931
Ion	Ratio	Lower	Upper
45	100		
43	55.6	46.6	70.0
87	18.5	14.3	21.5
59	9.4	7.6	11.4





#23

Vinyl Acetate

Concen: 2454.45 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2075849

Ion Ratio Lower Upper

43 100

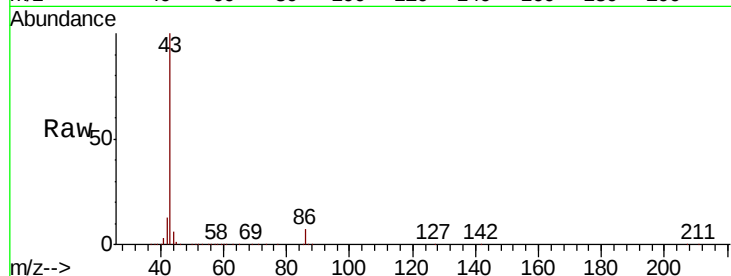
86 7.2 4.0 6.0#

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

800000

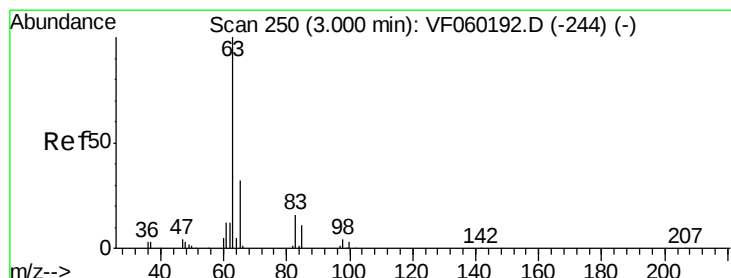
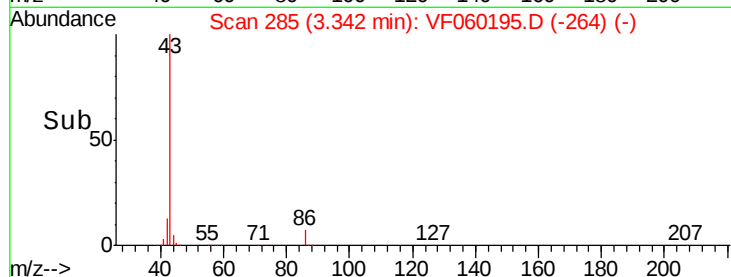
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 176.47 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

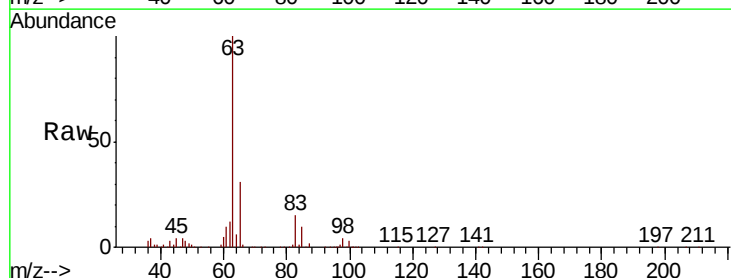
Tgt Ion: 63 Resp: 397139

Ion Ratio Lower Upper

63 100

98 3.6 1.9 5.7

100 2.8 1.5 4.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.01

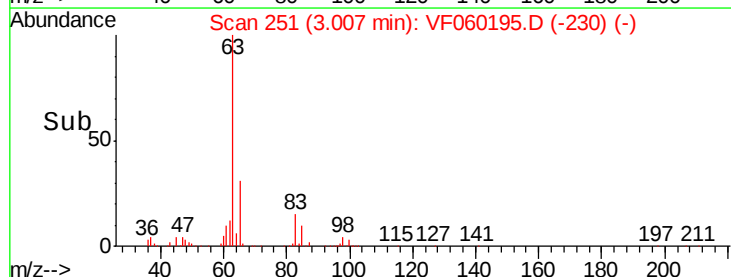
150000

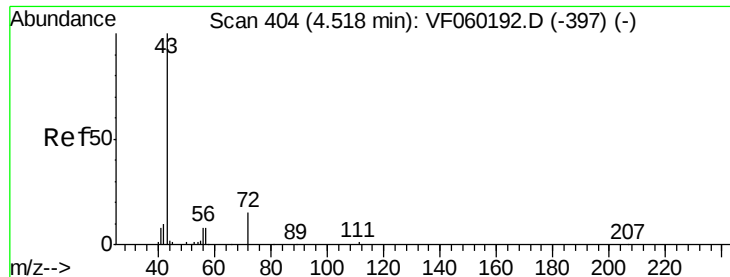
100000

50000

0

Time-->





#25

2-Butanone

Concen: 2543.43 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 585056

Ion Ratio Lower Upper

43 100

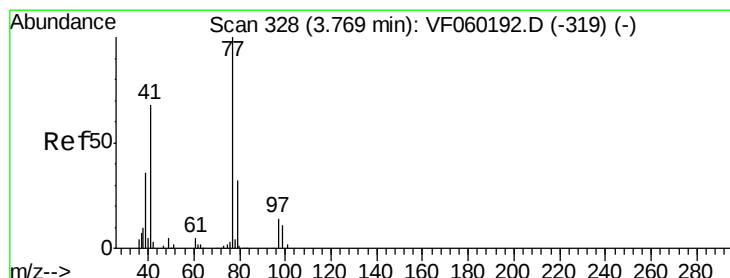
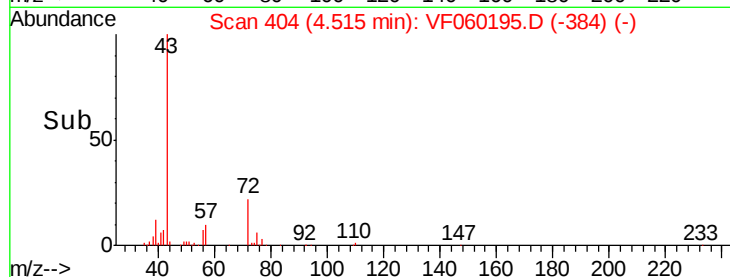
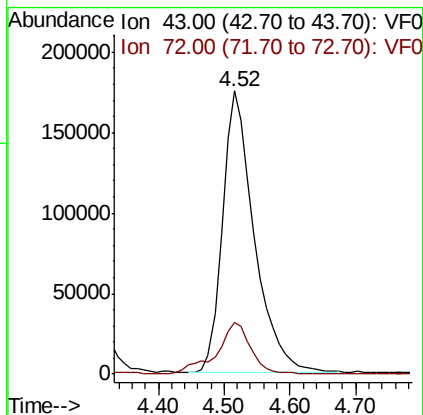
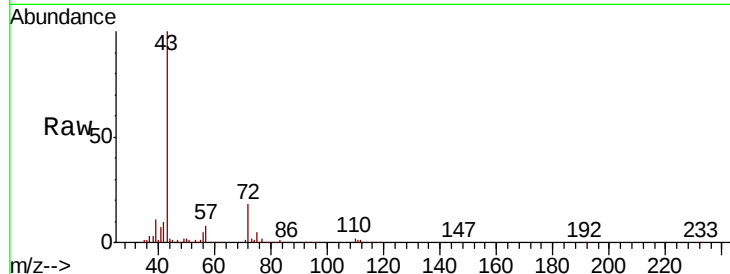
72 18.3 14.4 21.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 281.20 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF060195.D

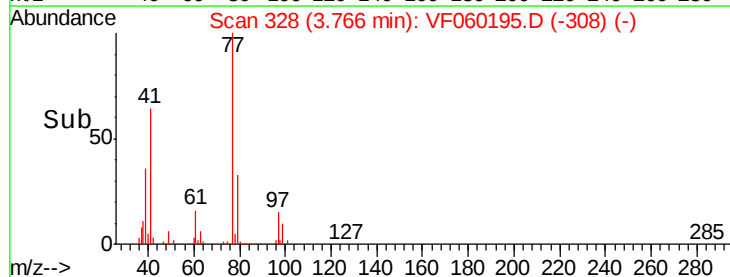
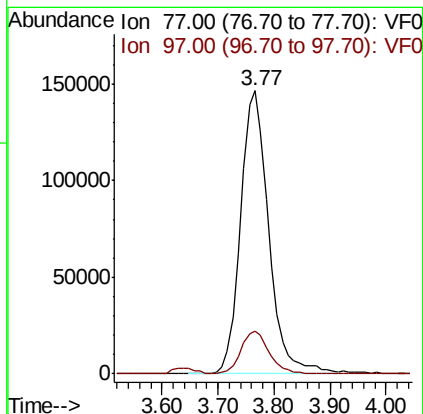
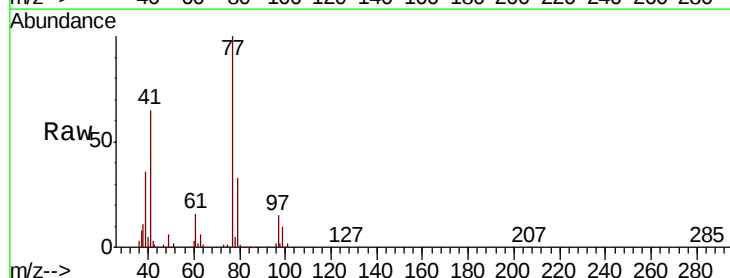
Acq: 29 Aug 2018 17:53

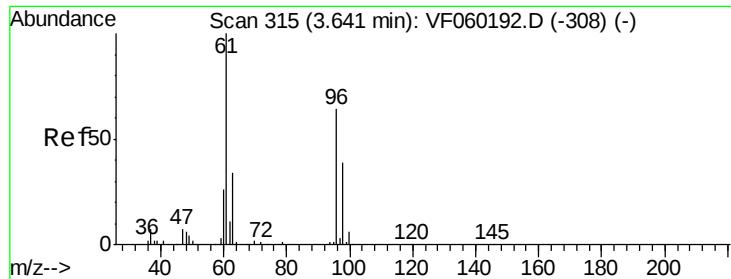
Tgt Ion: 77 Resp: 509511

Ion Ratio Lower Upper

77 100

97 15.2 7.1 21.4





#27

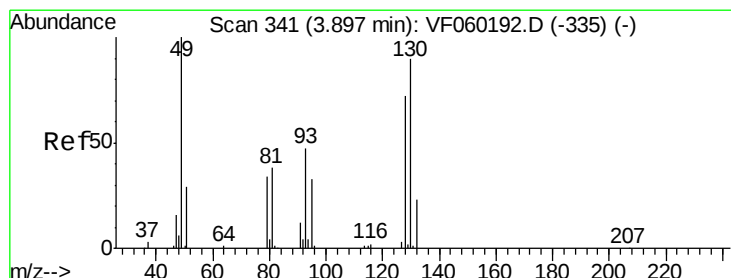
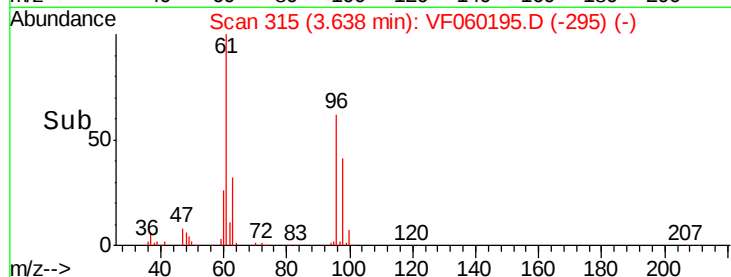
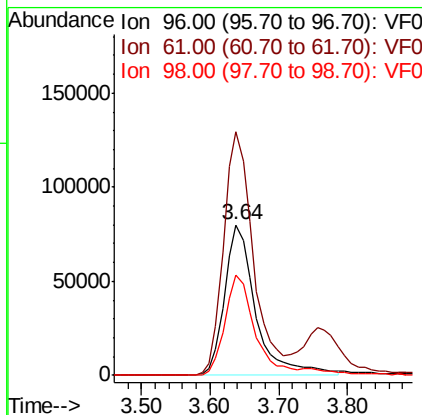
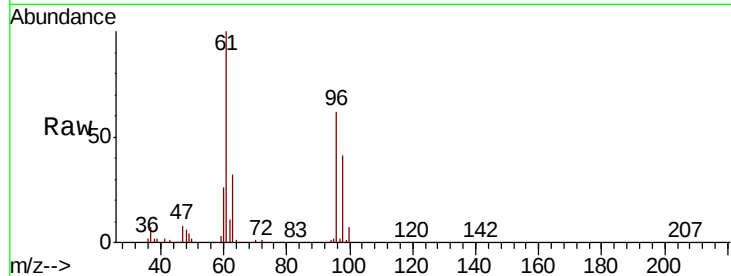
cis-1,2-Dichloroethene
Concen: 247.86 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	251434		
61	161.8	0.0	311.8	
98	67.0	0.0	121.4	

Manual Integrations
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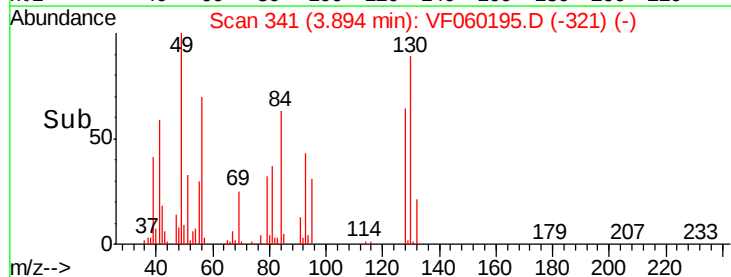
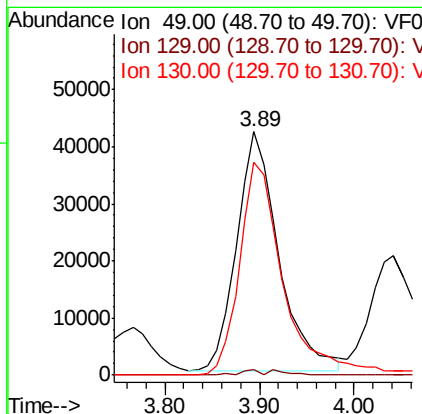
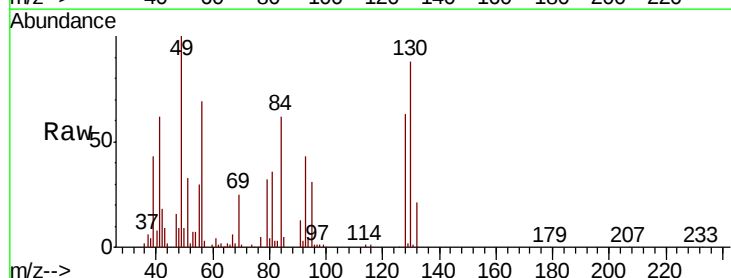
apatel
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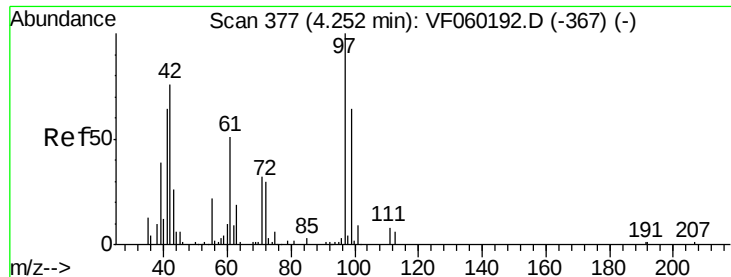


#28

Bromochloromethane
Concen: 231.73 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130130		
129	2.3	0.0	3.8	
130	87.6	70.3	105.5	





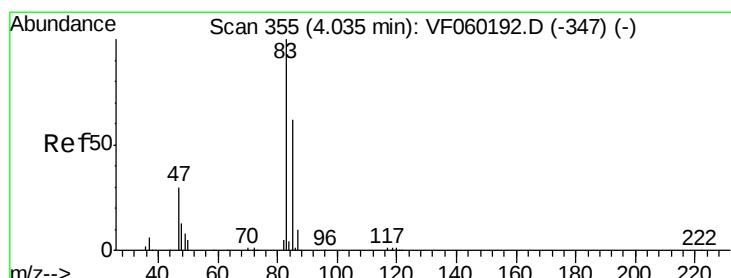
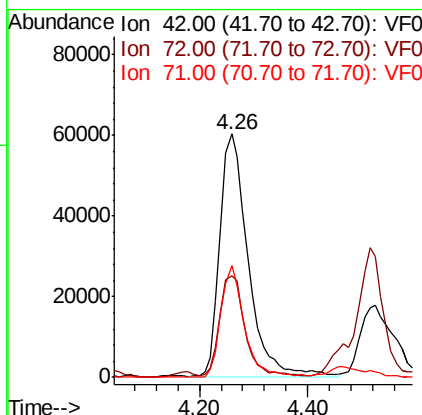
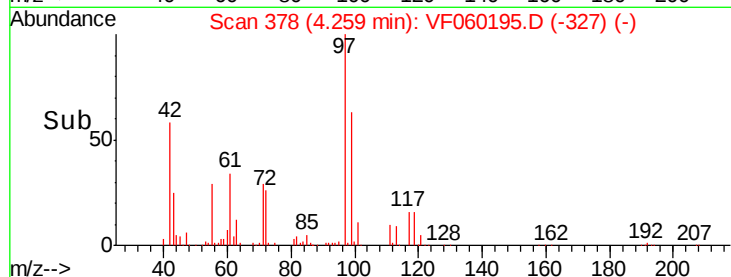
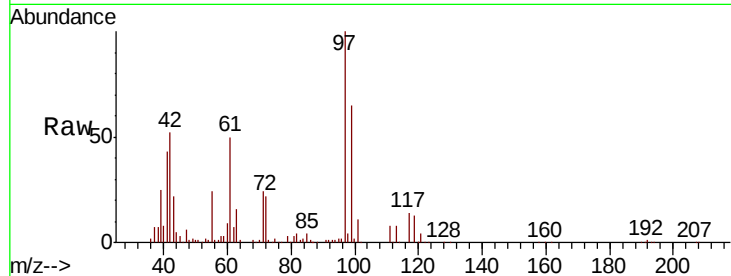
#29
Tetrahydrofuran
Concen: 2328.61 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
42	100	217870		
72	38.1		28.2	42.2
71	38.4		28.6	42.8

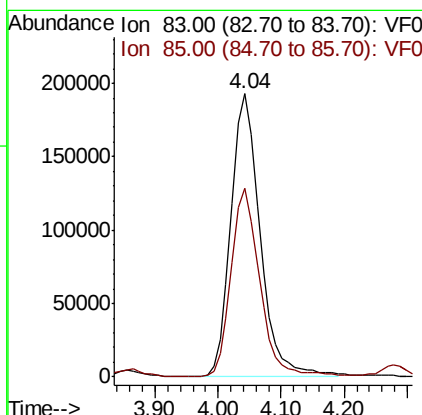
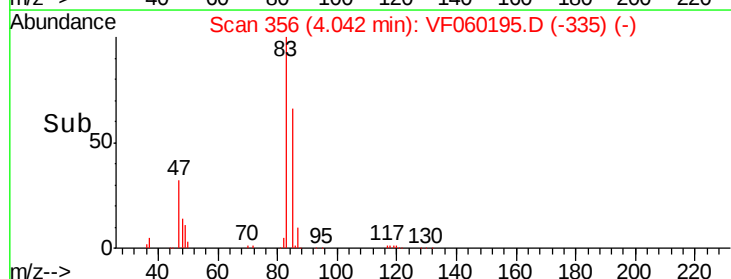
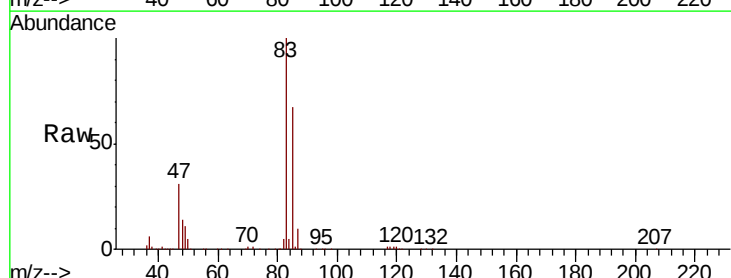
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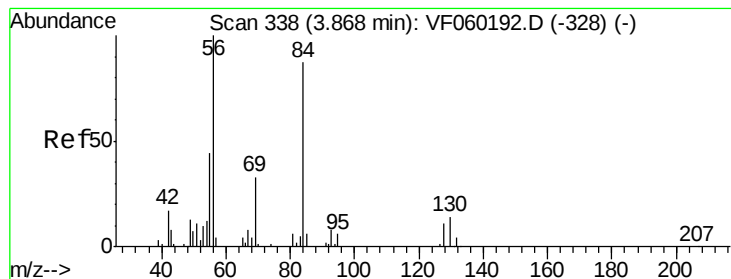
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#30
Chloroform
Concen: 226.75 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	621899		
85	66.5		49.5	74.3





#31

Cyclohexane

Concen: 144.71 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

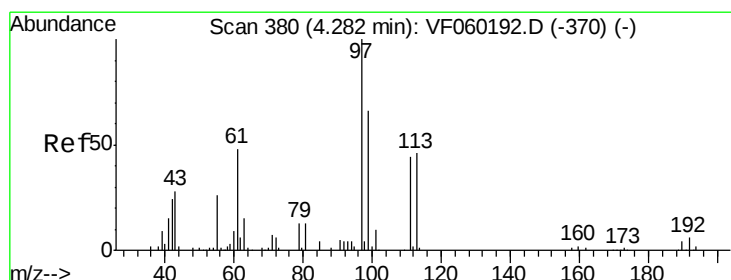
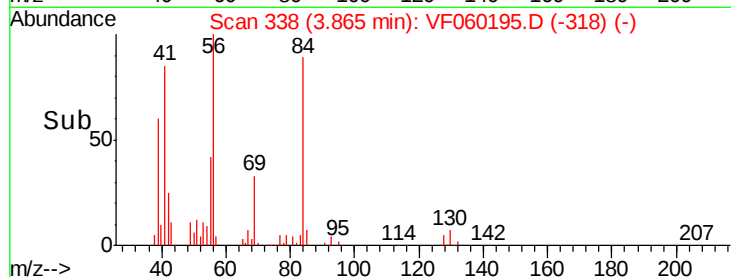
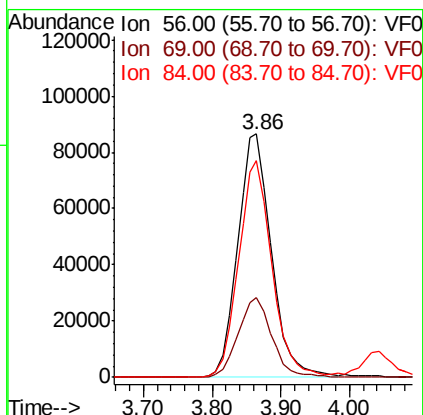
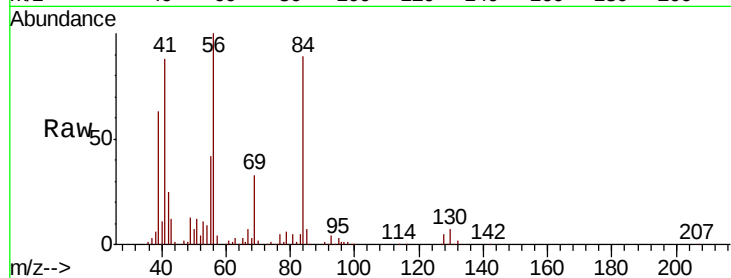
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	292436
Ion Ratio	Lower	Upper	
56	100		
69	32.7	26.4	39.6
84	89.2	69.9	104.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 166.46 ug/l

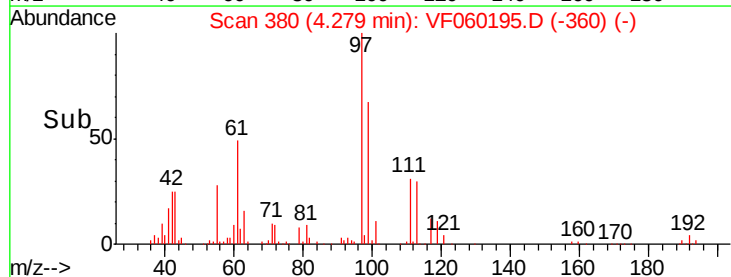
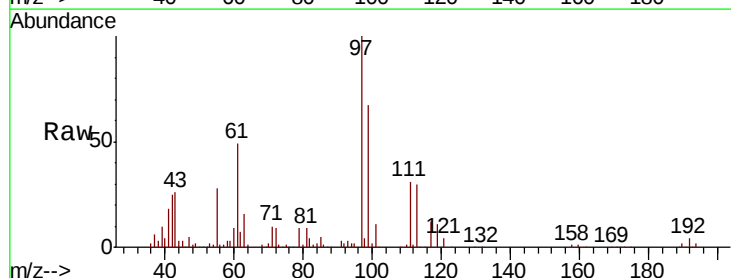
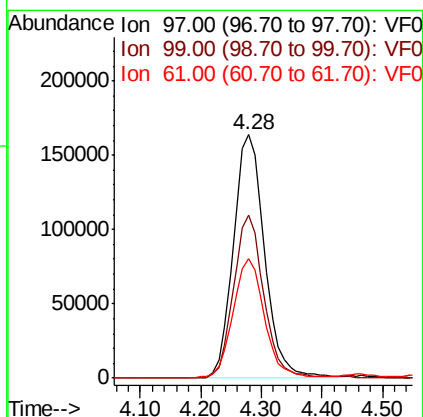
RT: 4.28 min Scan# 380

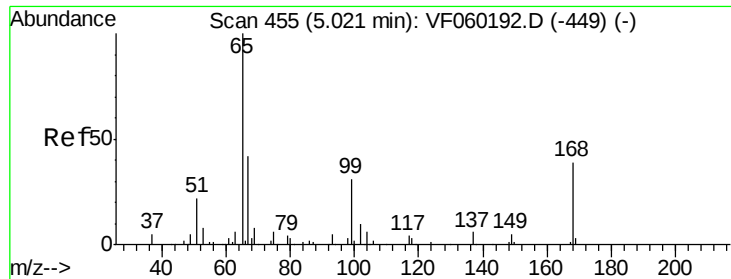
Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Tgt Ion:	97	Resp:	587968
Ion Ratio	Lower	Upper	
97	100		
99	66.7	53.0	79.6
61	49.0	38.9	58.3





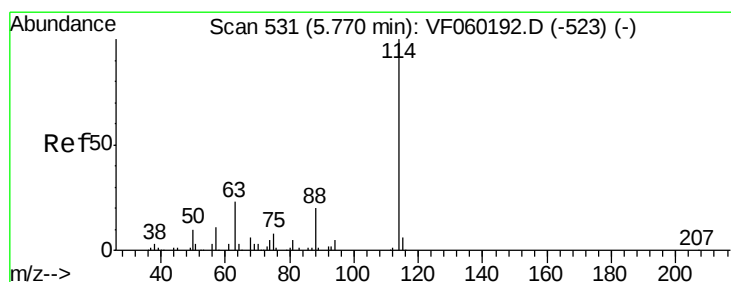
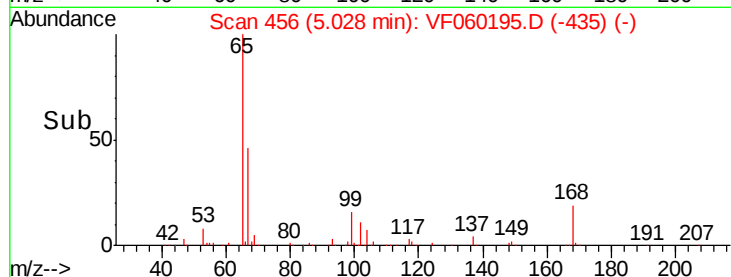
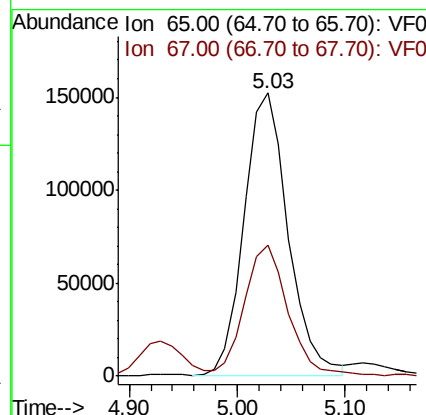
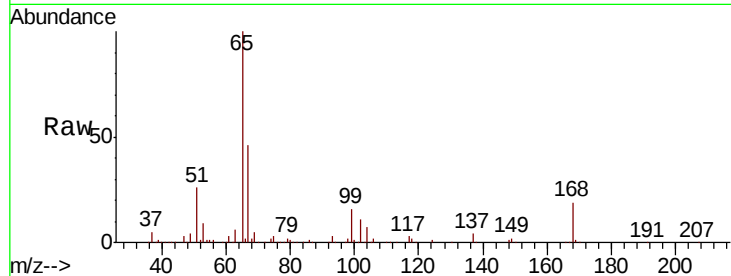
#33
 1,2-Dichloroethane-d4
 Concen: 328.25 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	429447		
67	46.5	0.0	87.8	

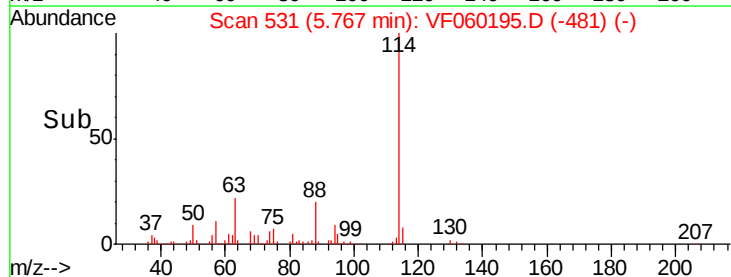
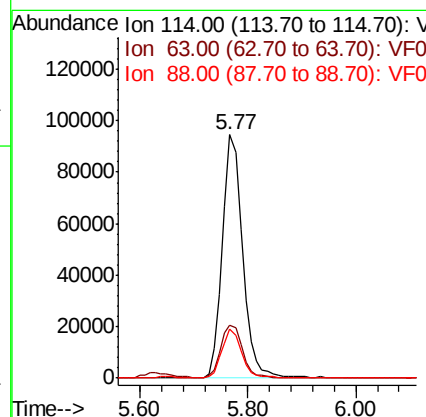
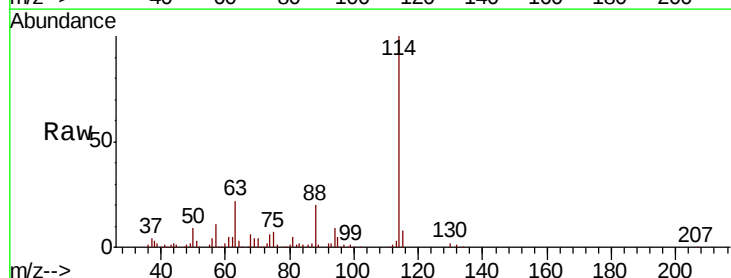
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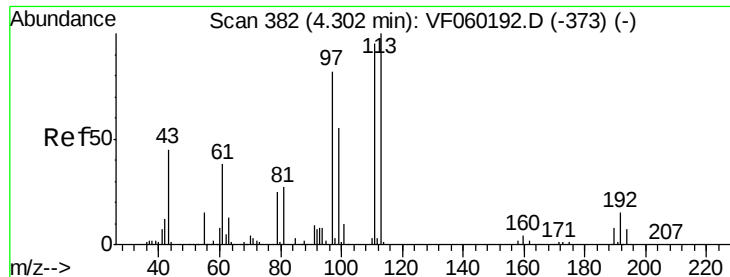
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	246951		
63	21.8	0.0	46.4	
88	20.2	0.0	40.4	





#35

Dibromofluoromethane

Concen: 186.70 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

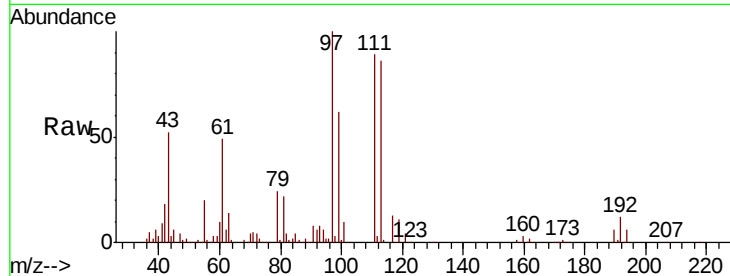
ClientSampleId :

VSTDIC150

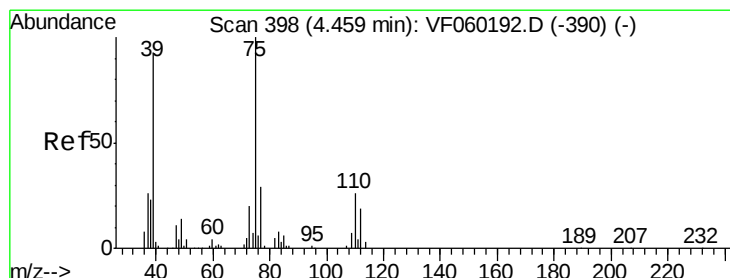
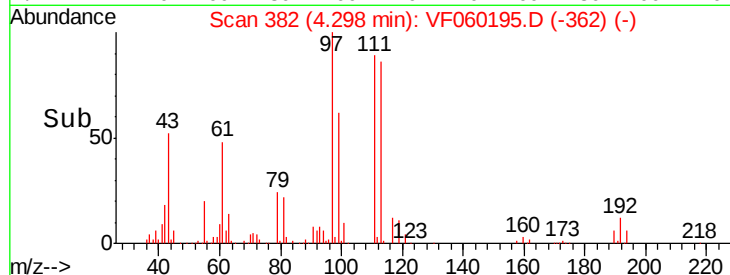
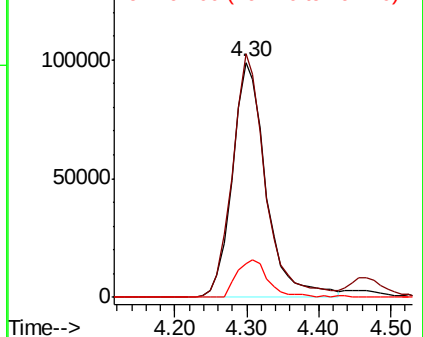
Tot Ion:	113	Resp:	321148
Ion Ratio	Lower	Upper	
113	100		
111	103.6	75.8	113.8
192	14.3	12.2	18.4

Manual Integrations
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Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 122.75 ug/l

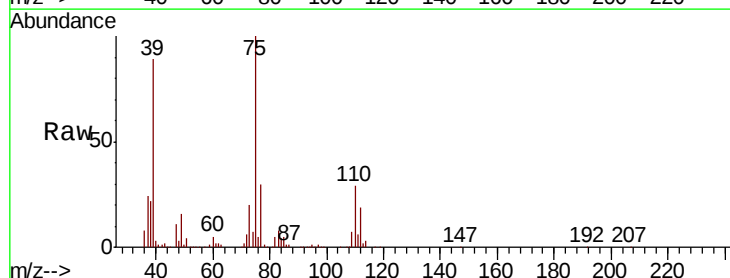
RT: 4.47 min Scan# 399

Delta R.T. 0.01 min

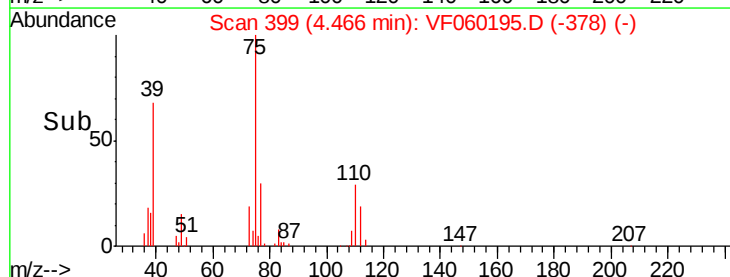
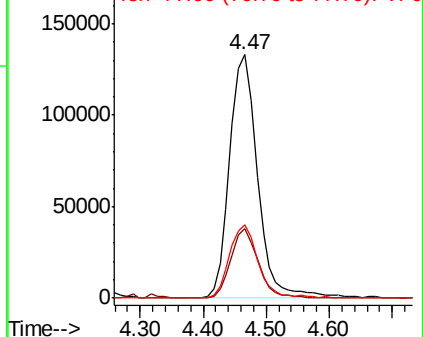
Lab File: VF060195.D

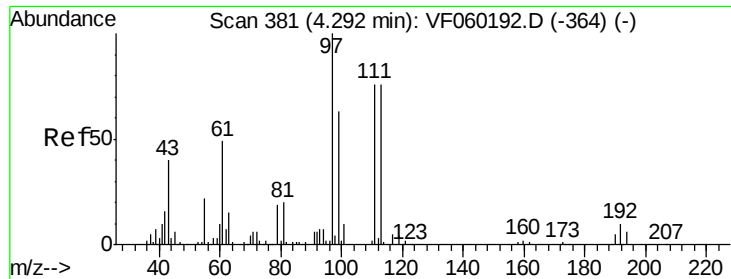
Acq: 29 Aug 2018 17:53

Tgt Ion:	75	Resp:	405904
Ion Ratio	Lower	Upper	
75	100		
110	28.7	13.0	38.9
77	29.9	22.9	34.3



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





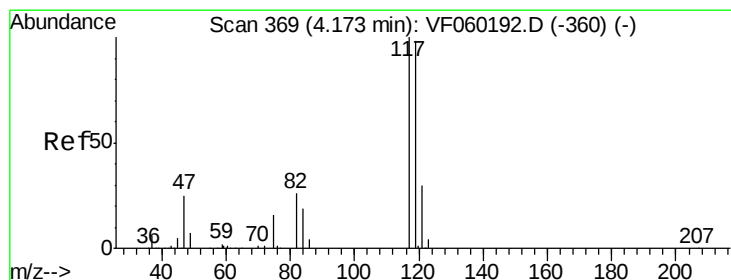
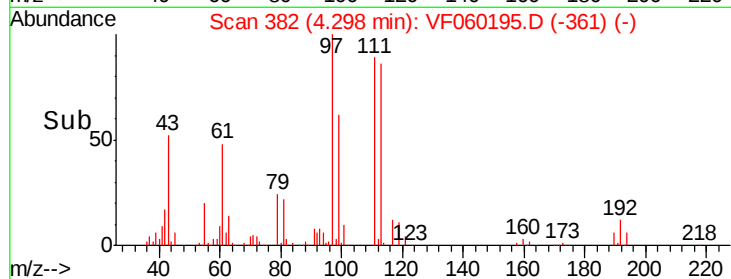
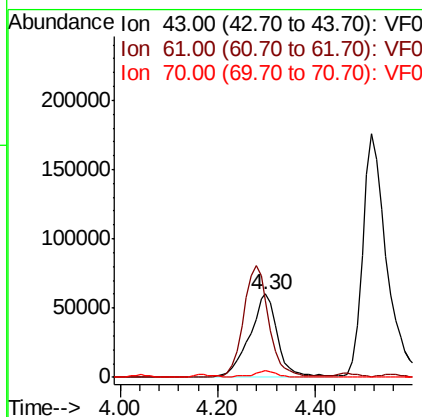
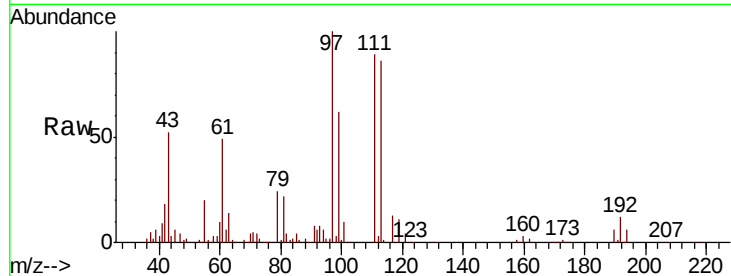
#37
Ethyl Acetate
Concen: 377.60 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	93.1	97.2	145.8#
70	7.8	9.0	13.6#

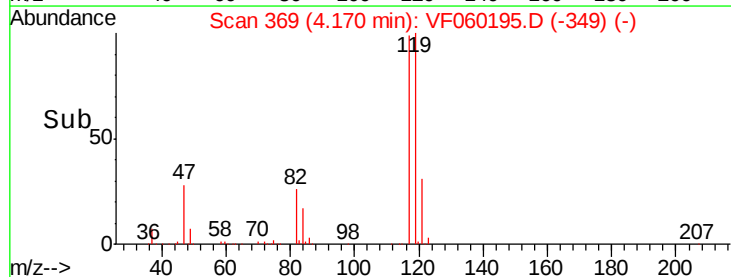
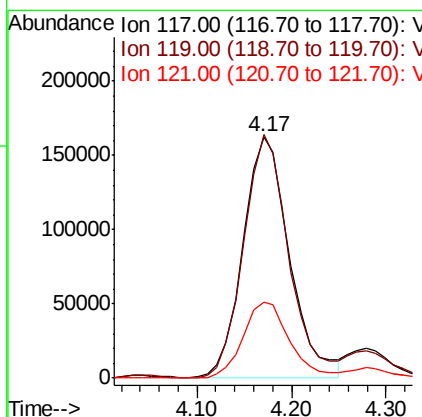
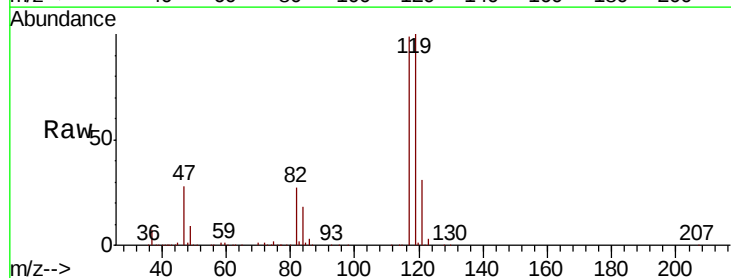
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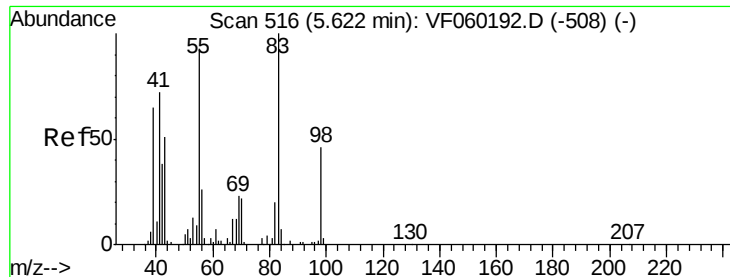
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#38
Carbon Tetrachloride
Concen: 123.02 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.7	79.0	118.6
121	31.6	24.6	37.0





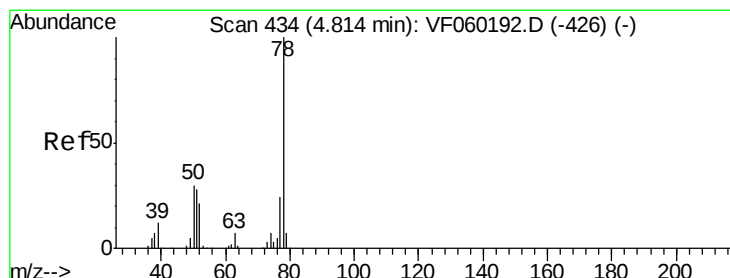
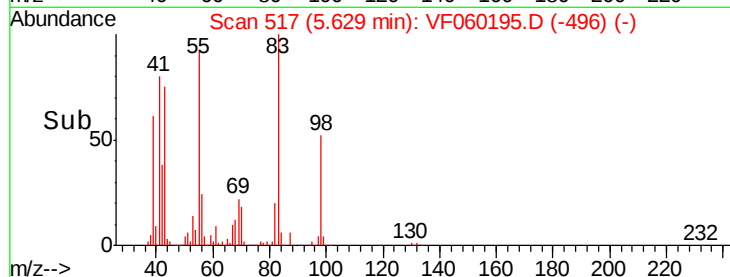
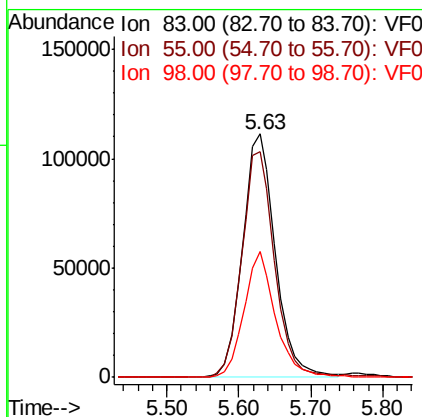
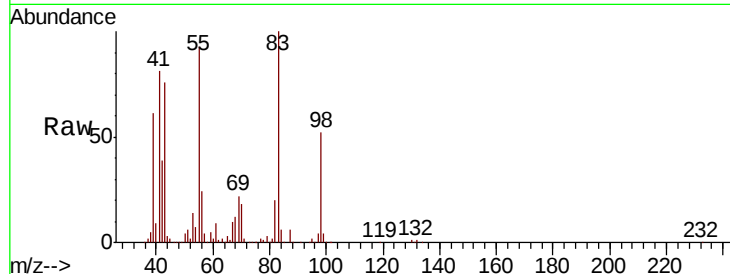
#39
Methvlcvclohexane
Concen: 114.26 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.5	74.5	111.7
98	51.8	36.7	55.1

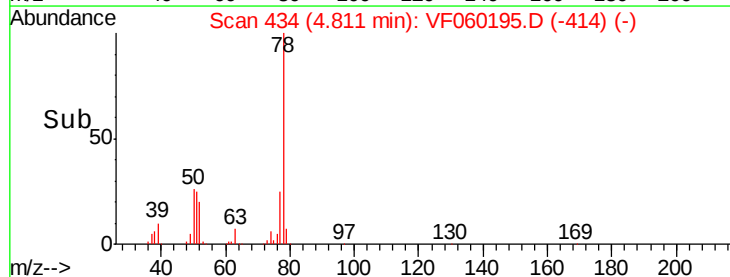
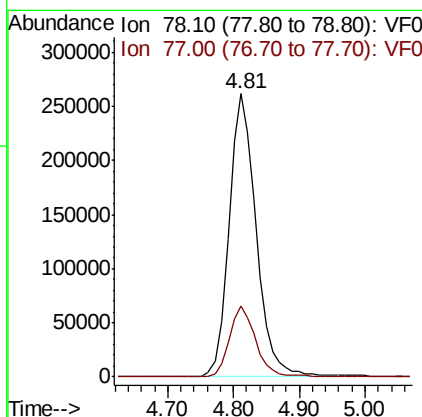
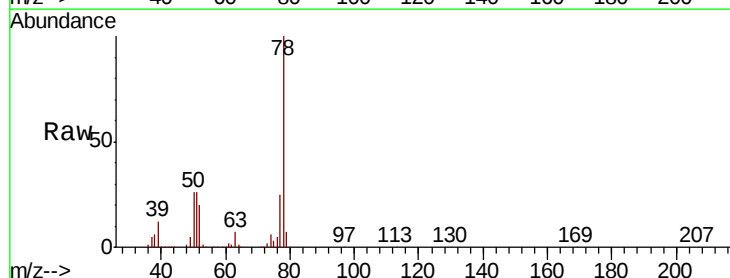
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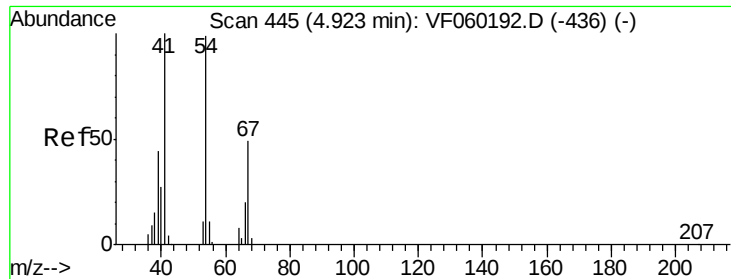
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#40
Benzene
Concen: 158.41 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.4	29.0





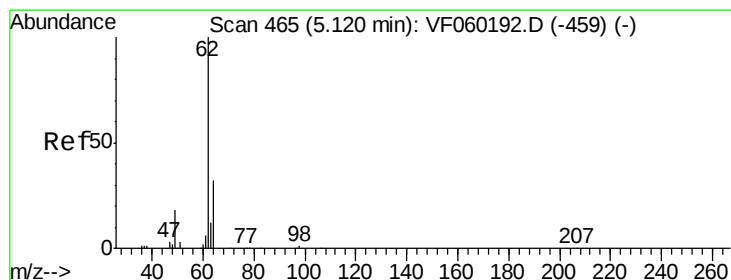
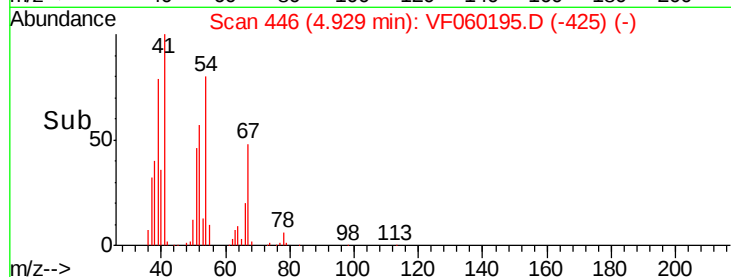
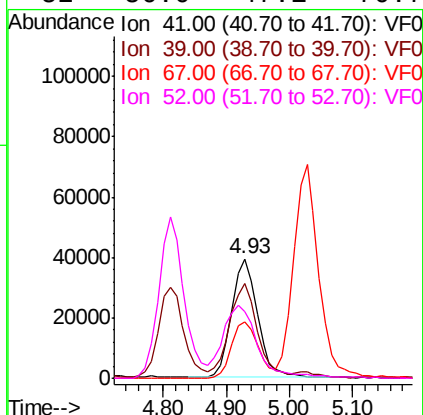
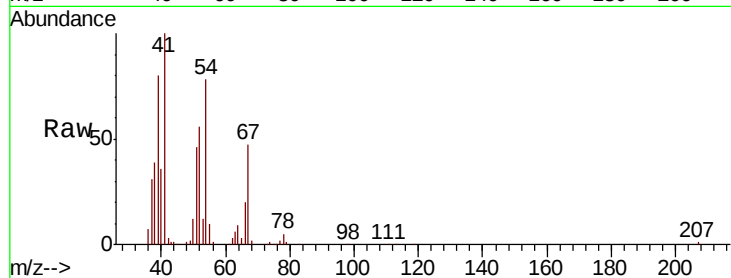
#41
Methacrylonitrile
Concen: 344.57 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	79.6	64.5	96.7	
67	47.1	38.5	57.7	
52	56.0	47.1	70.7	

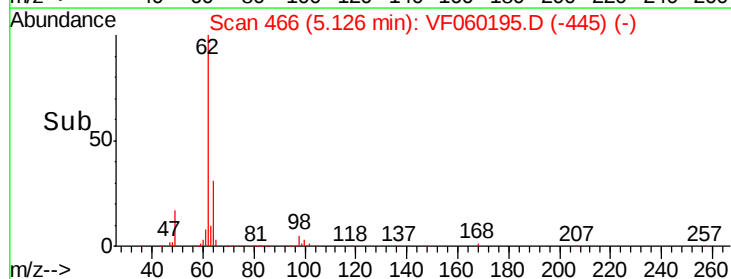
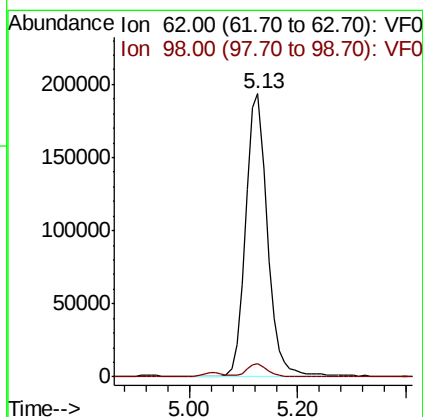
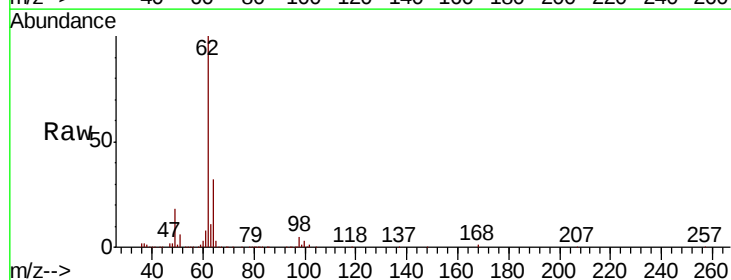
Manual Integrations
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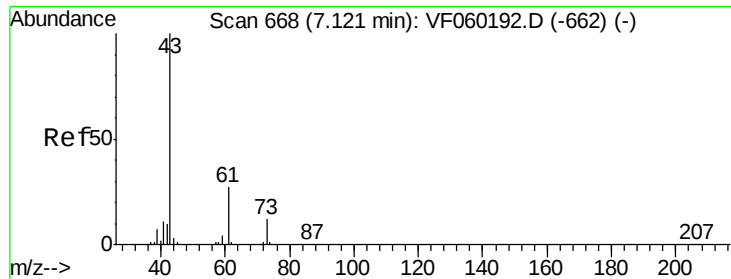
apatel
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#42
1,2-Dichloroethane
Concen: 266.99 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.01 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	4.7	0.0	9.2	





#43

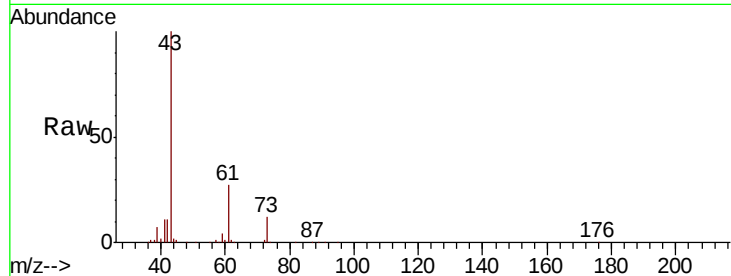
Isopropyl Acetate
 Concen: 398.98 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

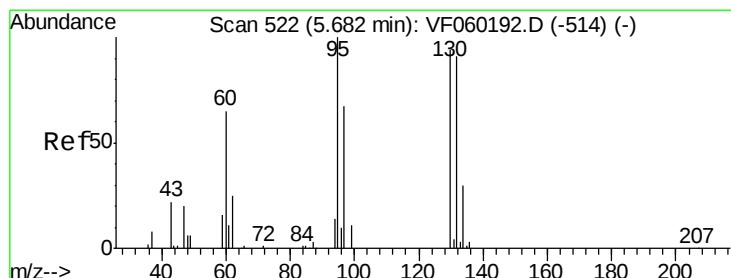
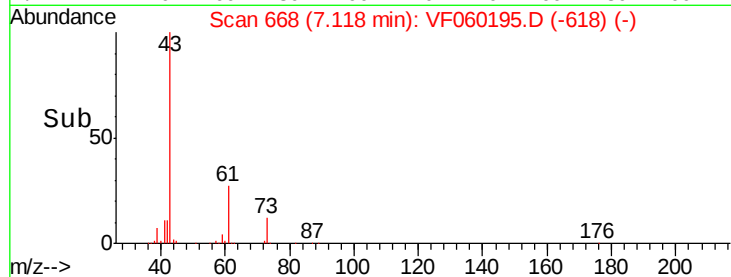
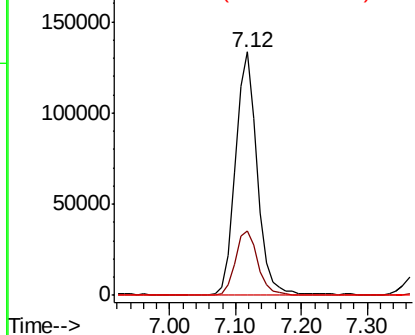
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.4	32.0
87	0.4	0.3	0.5

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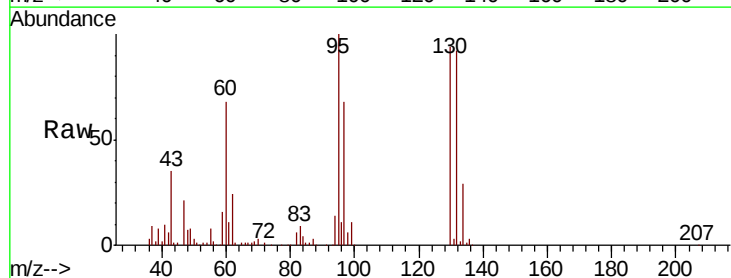
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



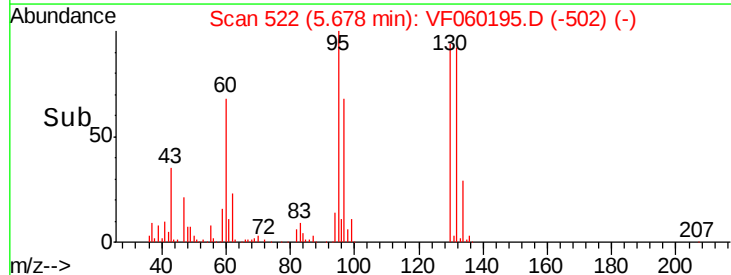
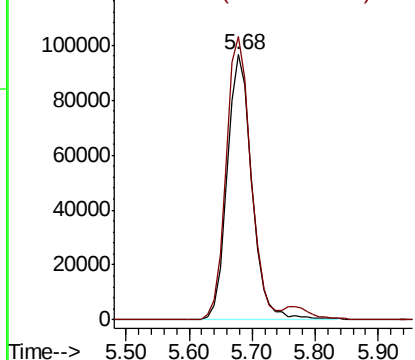
#44

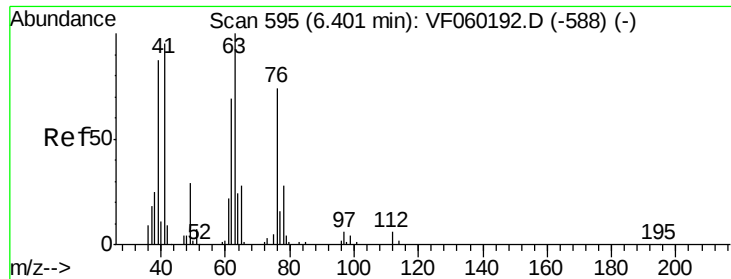
Trichloroethene
 Concen: 132.63 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	213.4



Abundance Ion 129.90 (129.60 to 130.60): V
 120000 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 198.24 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 215214

Ion Ratio Lower Upper

63 100

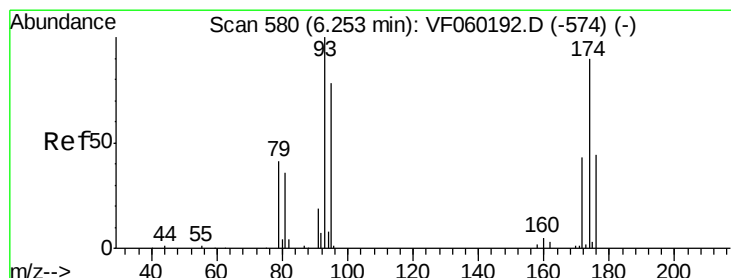
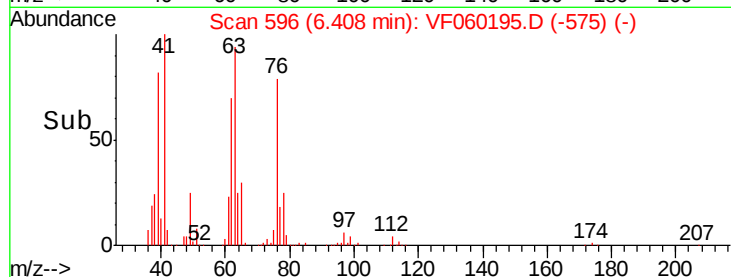
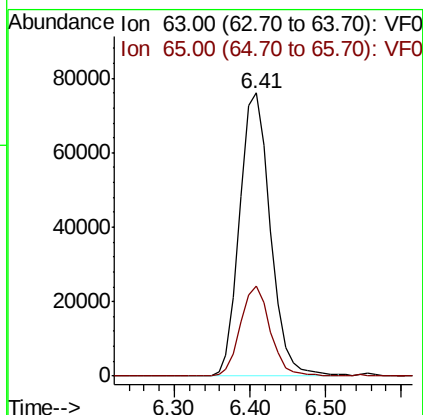
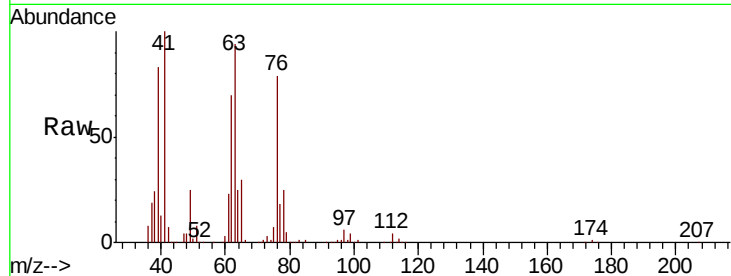
65 31.8 22.2 33.4

Manual Integrations

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#46

Dibromomethane

Concen: 309.83 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

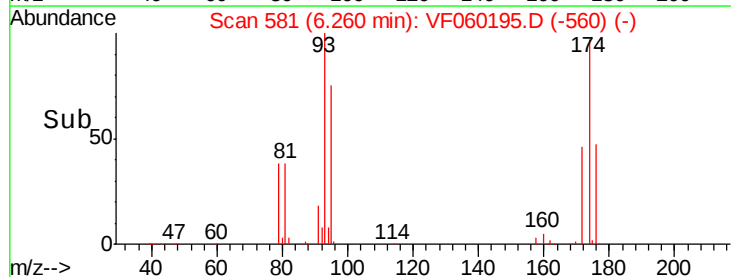
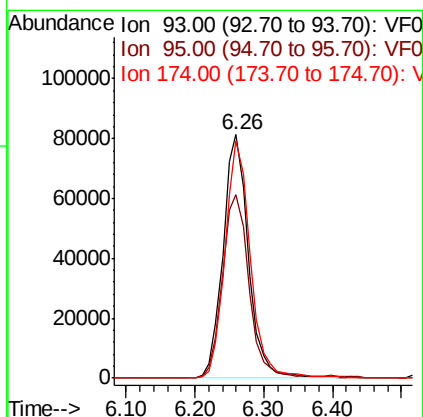
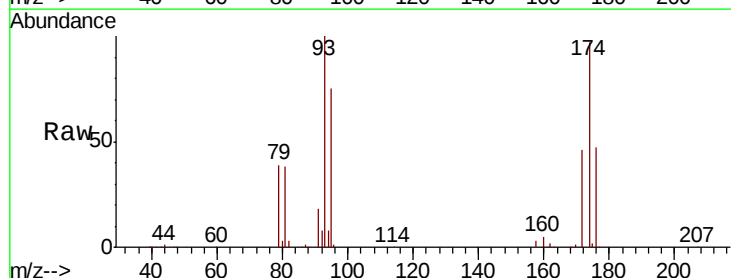
Tgt Ion: 93 Resp: 207825

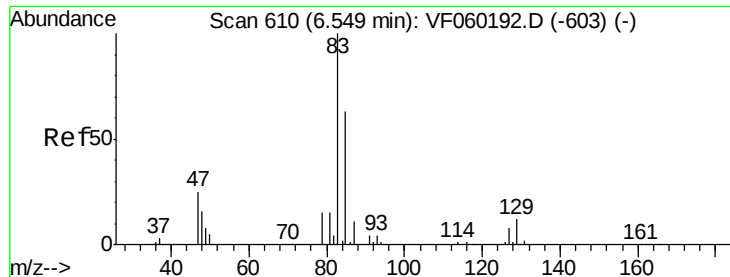
Ion Ratio Lower Upper

93 100

95 75.3 63.4 95.2

174 97.3 72.0 108.0





#47

Bromodichloromethane

Concen: 237.85 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

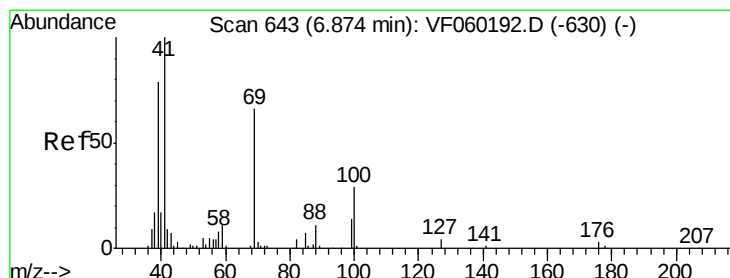
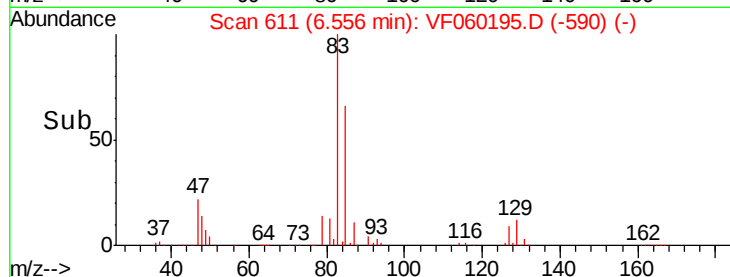
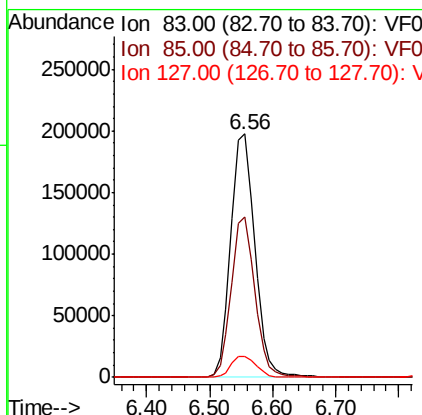
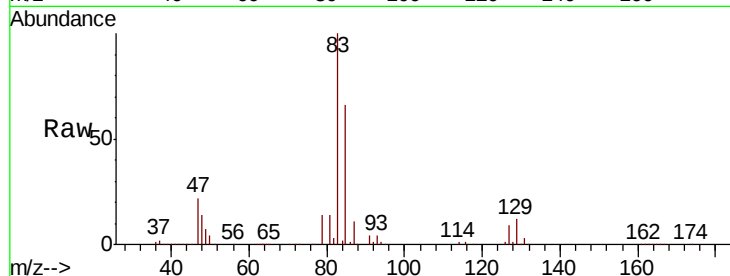
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	524329
Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.1	75.1
127	8.8	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 352.41 ug/l

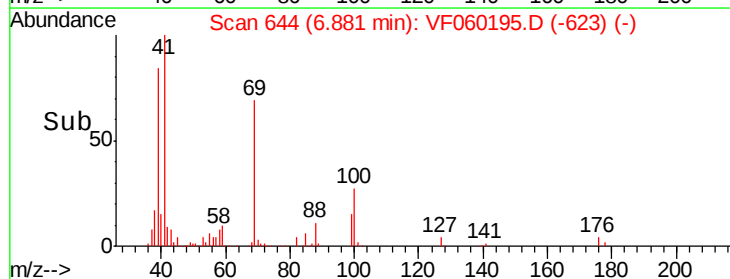
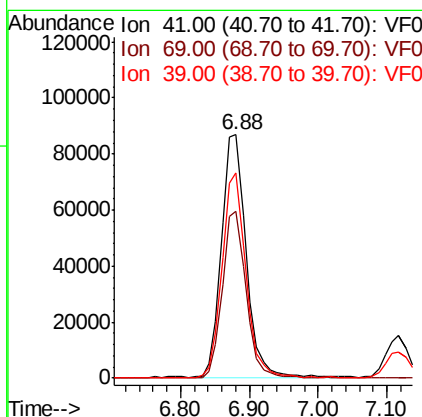
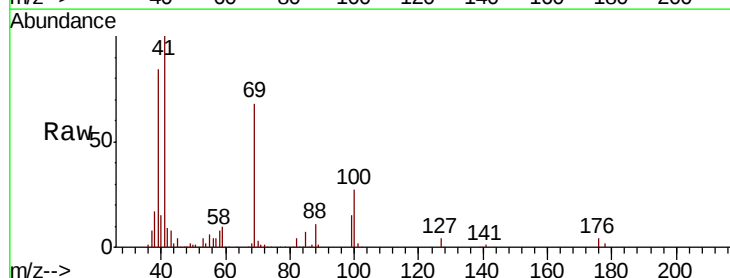
RT: 6.88 min Scan# 644

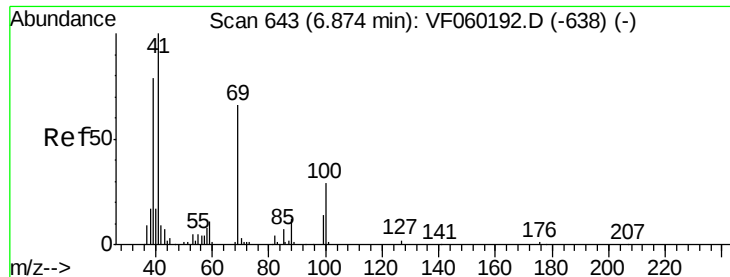
Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Tgt Ion:	41	Resp:	216257
Ion	Ratio	Lower	Upper
41	100		
69	68.5	52.4	78.6
39	84.1	63.6	95.4





#49

1,4-Dioxane

Concen: 9098.57 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

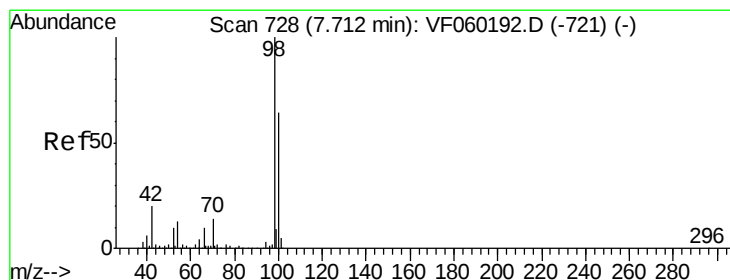
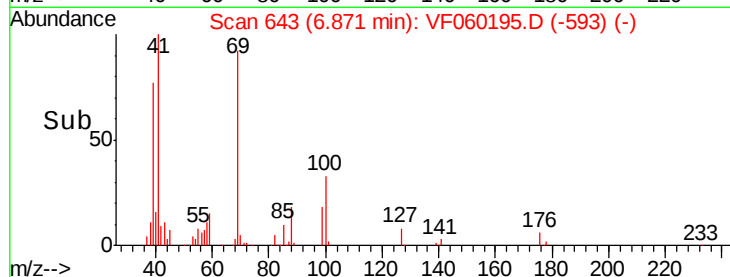
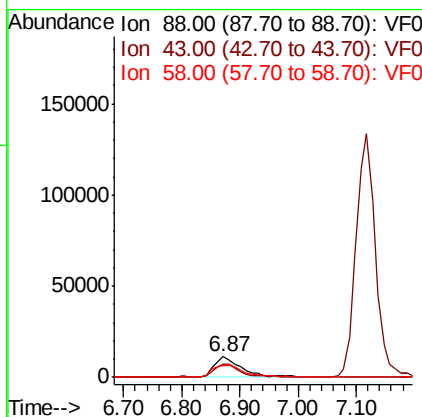
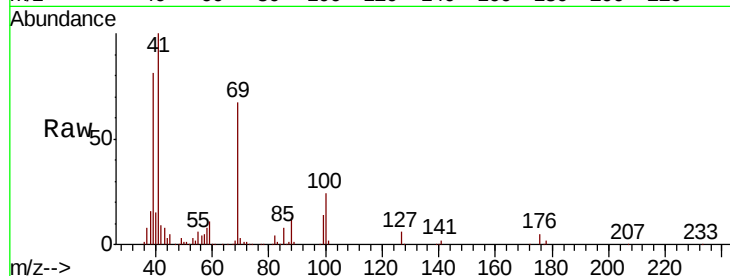
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	38735
Ion	Ratio	Lower	Upper
88	100		
43	62.6	56.5	84.7
58	61.1	53.5	80.3

Manual Integrations
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#50

Toluene-d8

Concen: 143.88 ug/l

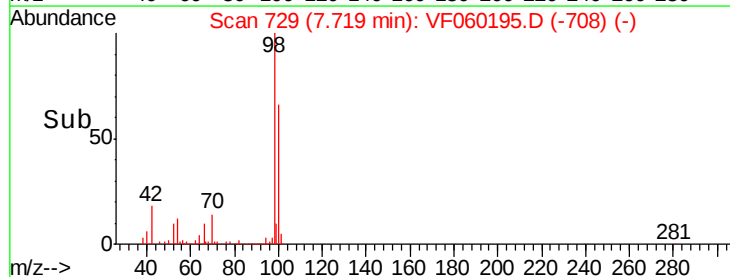
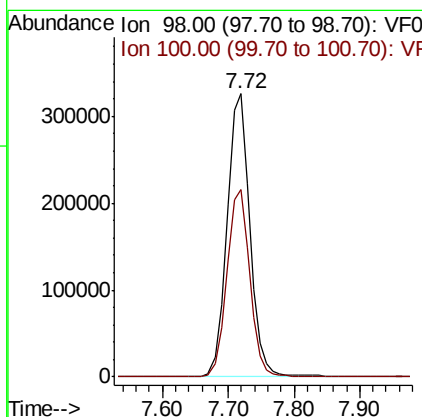
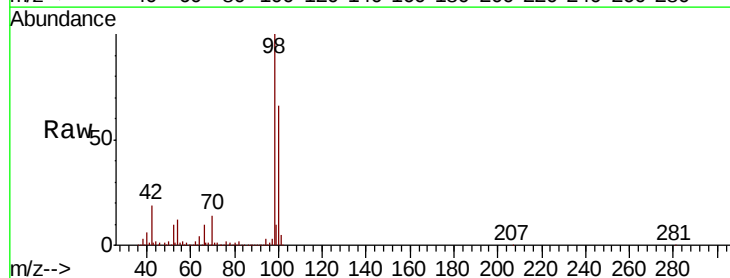
RT: 7.72 min Scan# 729

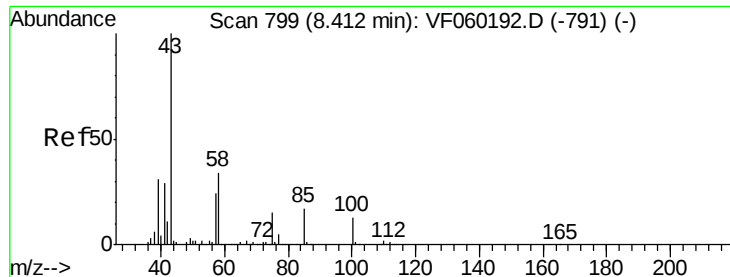
Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Tgt Ion:	98	Resp:	792793
Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 1692.20 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1180185

Ion Ratio Lower Upper

43 100

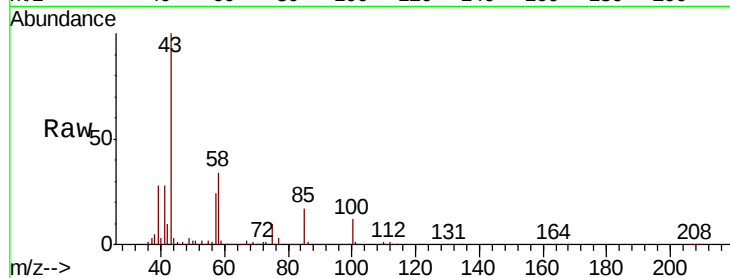
58 34.1 27.2 40.8

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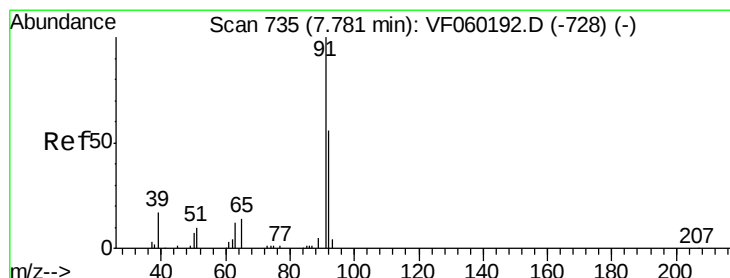
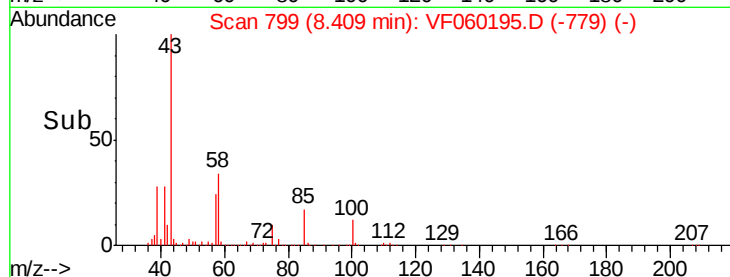
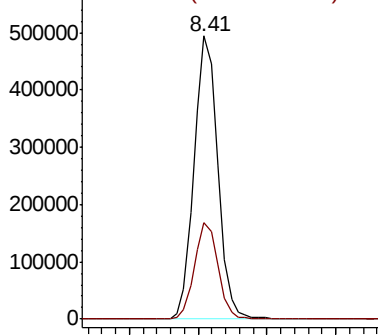
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 151.58 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF060195.D

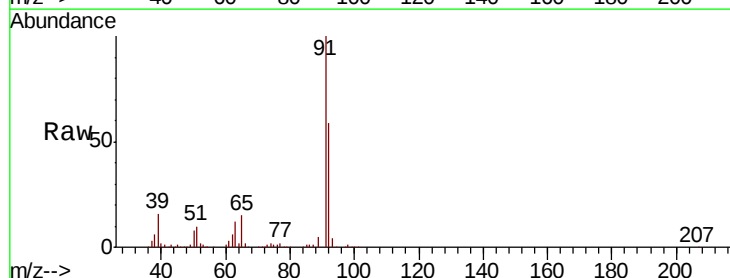
Acq: 29 Aug 2018 17:53

Tgt Ion: 92 Resp: 547317

Ion Ratio Lower Upper

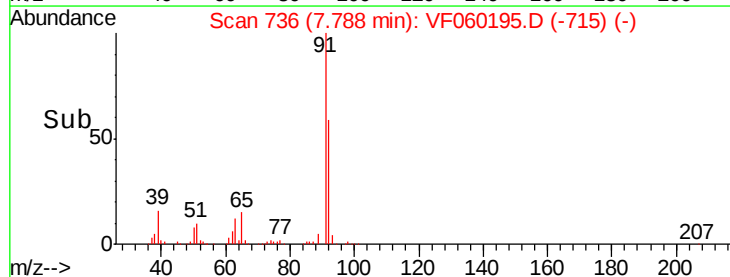
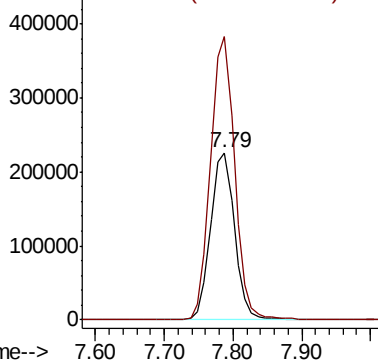
92 100

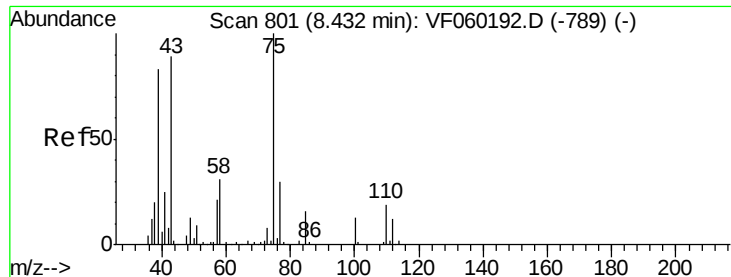
91 169.6 143.2 214.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 309.26 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 448829

Ion Ratio Lower Upper

75 100

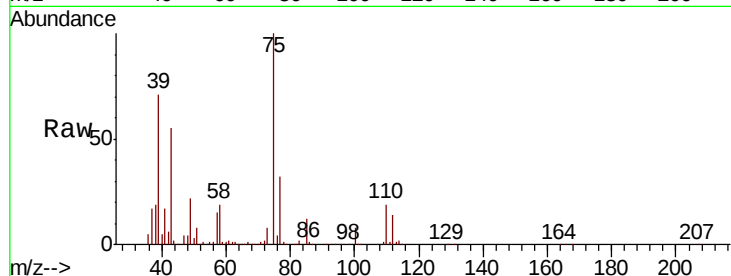
77 31.9 24.2 36.4

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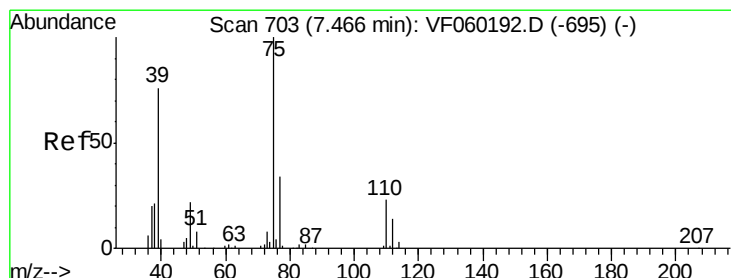
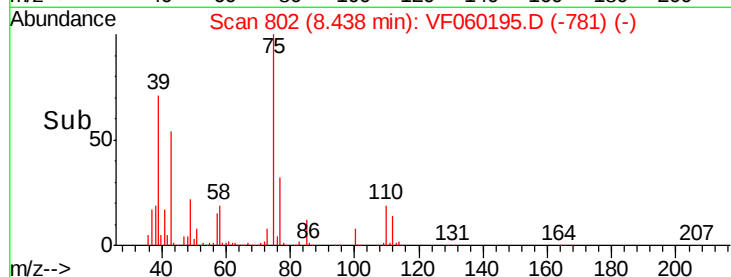
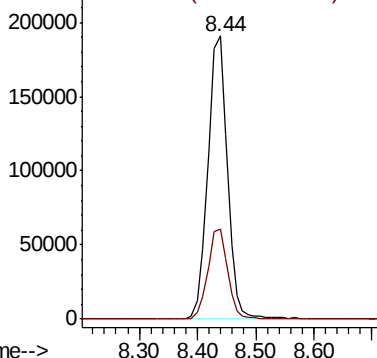
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 269.43 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

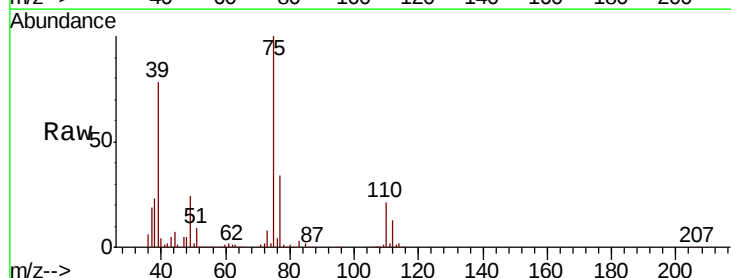
Tgt Ion: 75 Resp: 473960

Ion Ratio Lower Upper

75 100

77 33.7 27.0 40.4

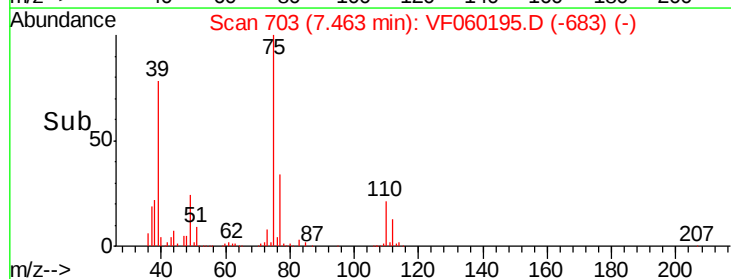
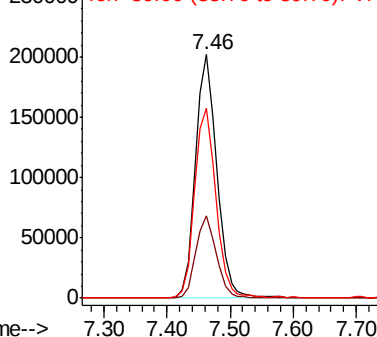
39 77.8 61.4 92.0

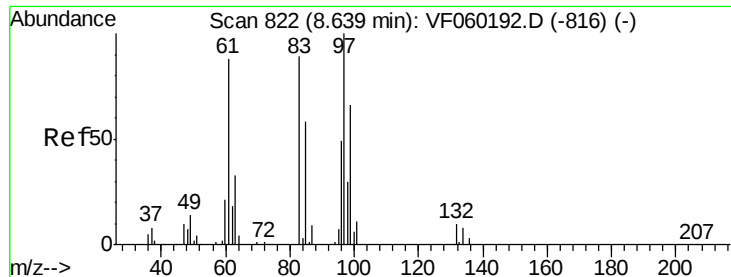


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 287.49 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

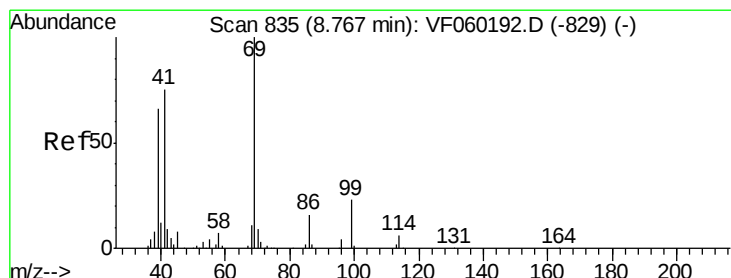
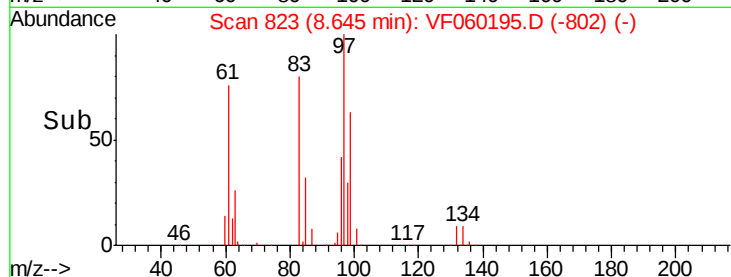
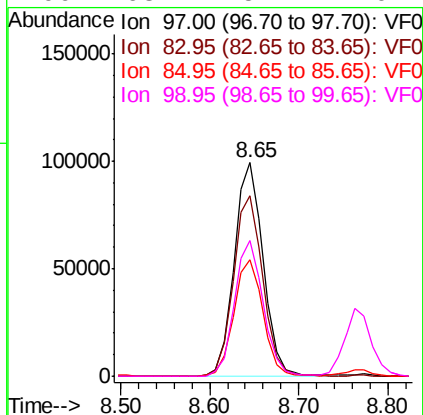
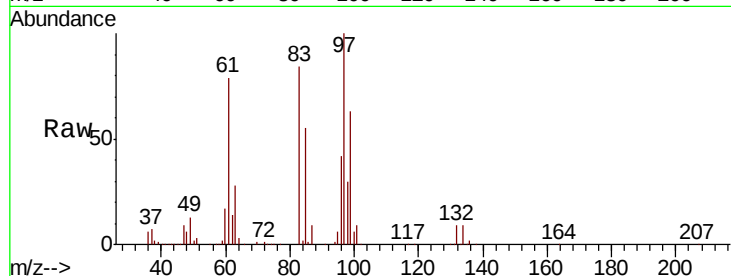
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	225409
Ion Ratio	Lower	Upper	
97	100		
83	84.2	71.0	106.4
85	54.7	46.6	70.0
99	63.4	52.7	79.1

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#56

Ethyl methacrylate

Concen: 378.20 ug/l

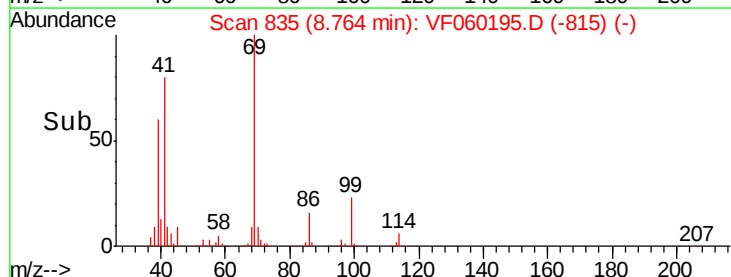
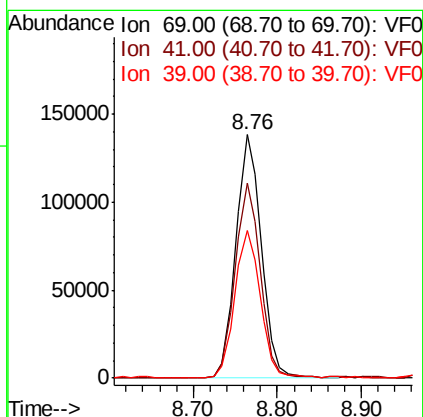
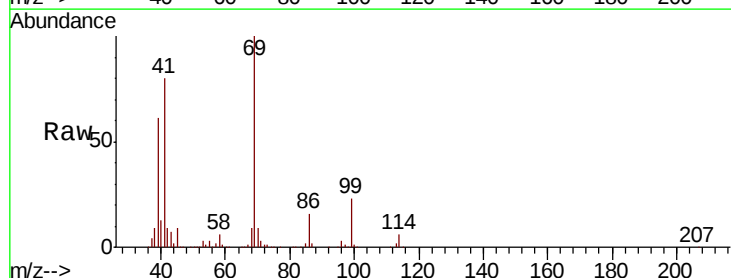
RT: 8.76 min Scan# 835

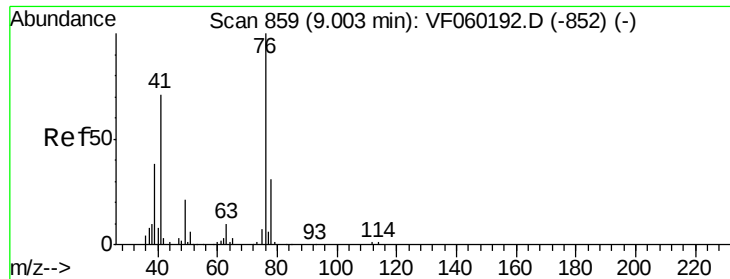
Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Tgt Ion:	69	Resp:	291993
Ion Ratio	Lower	Upper	
69	100		
41	80.1	60.6	90.8
39	60.5	53.4	80.2





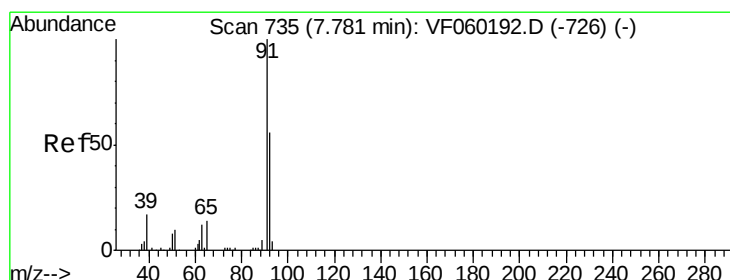
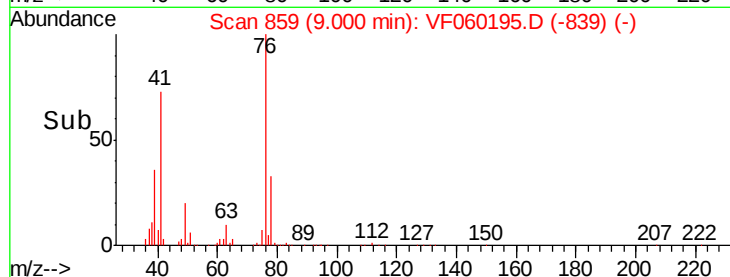
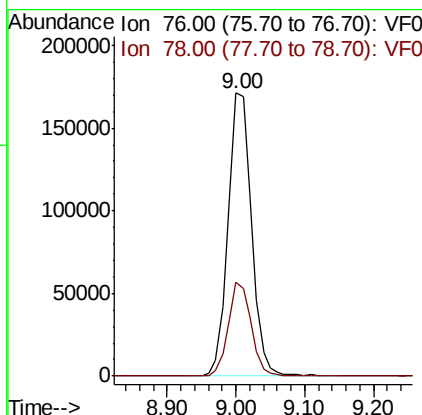
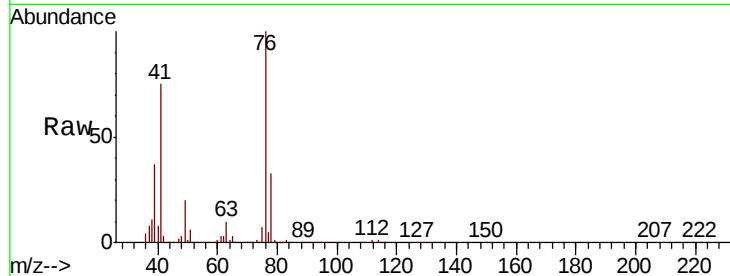
#57
 1,3-Dichloropropane
 Concen: 297.02 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	24.5	36.7

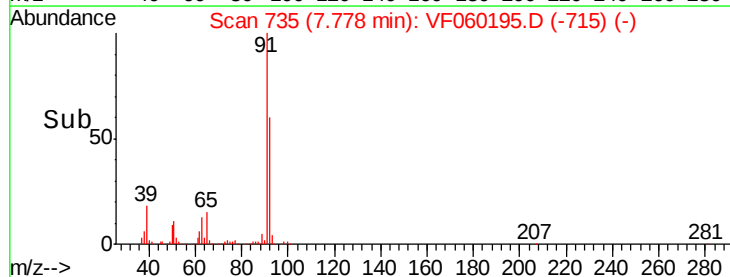
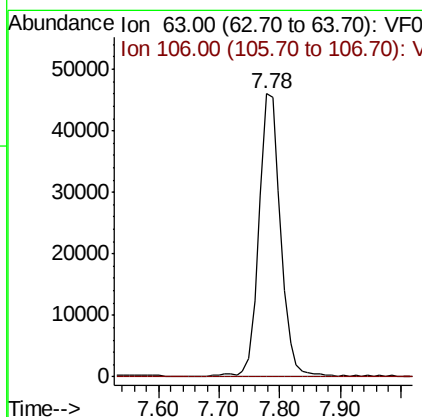
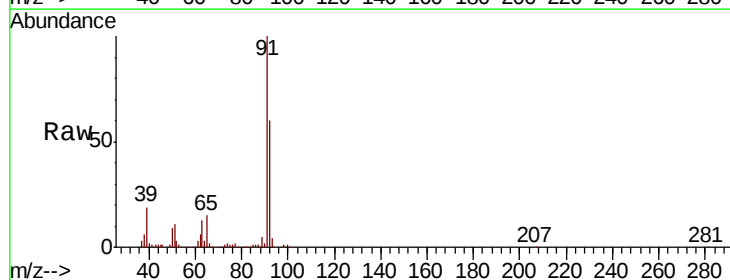
Manual Integrations
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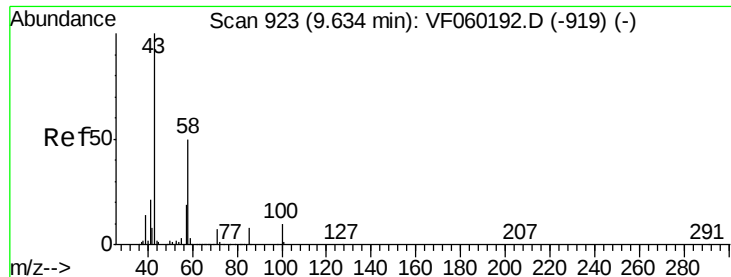
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#58
 2-Chloroethyl Vinyl ether
 Concen: 764.57 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





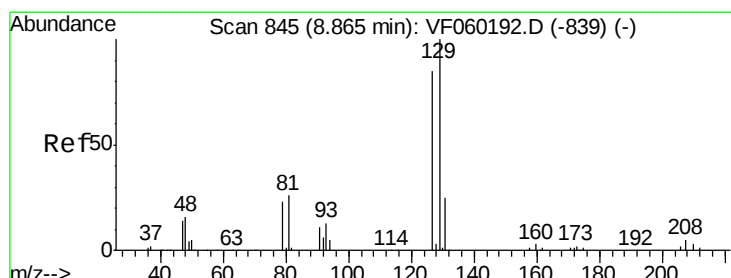
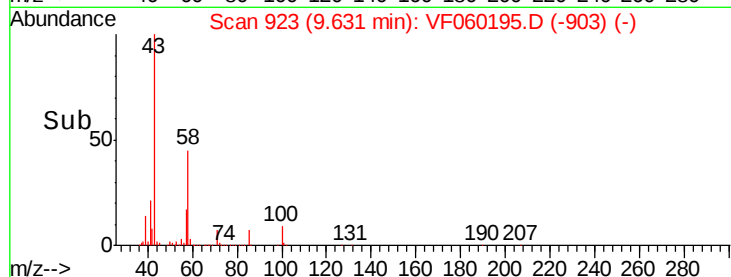
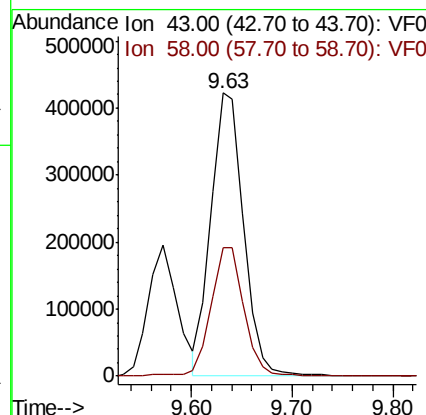
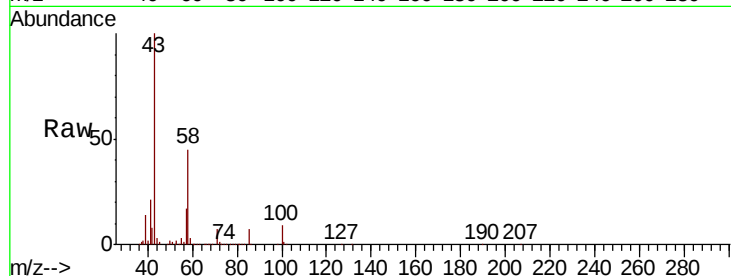
#59
2-Hexanone
Concen: 1811.76 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.4	23.0	69.0

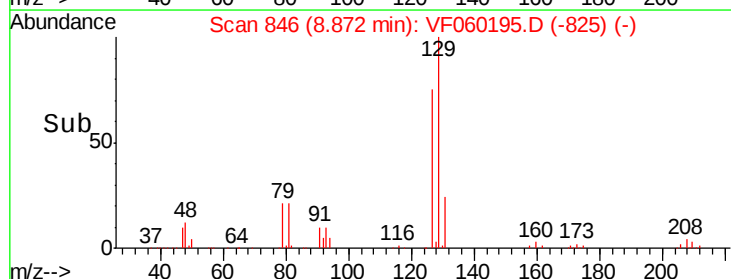
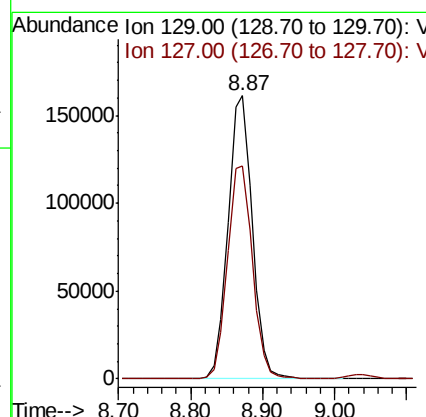
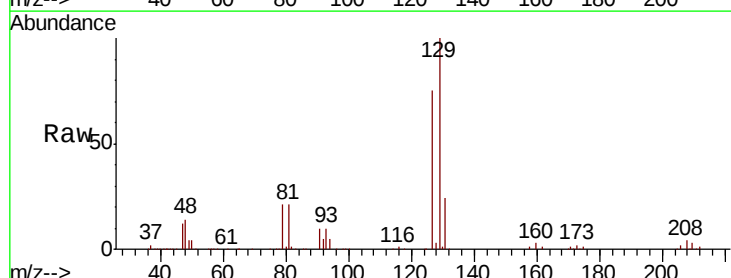
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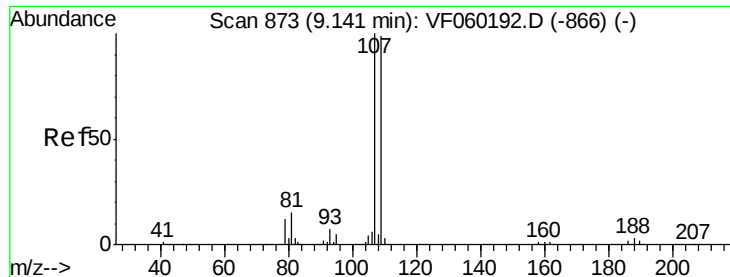
apatel
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#60
Dibromochloromethane
Concen: 295.61 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.1	42.5	127.5





#61

1,2-Dibromoethane

Concen: 332.02 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 285881

Ion Ratio Lower Upper

107 100

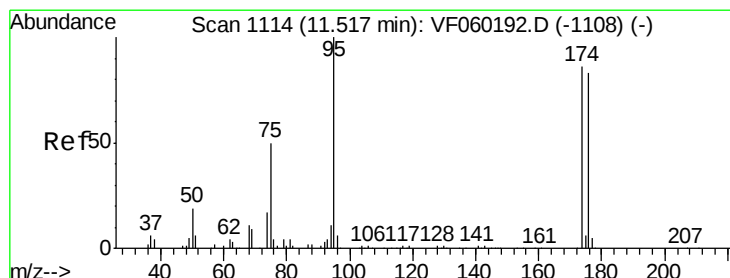
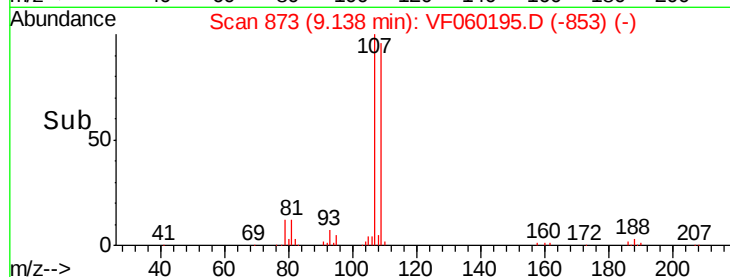
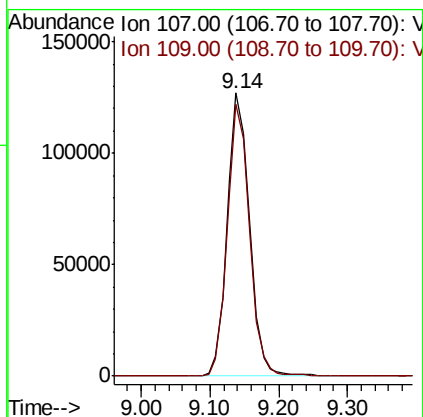
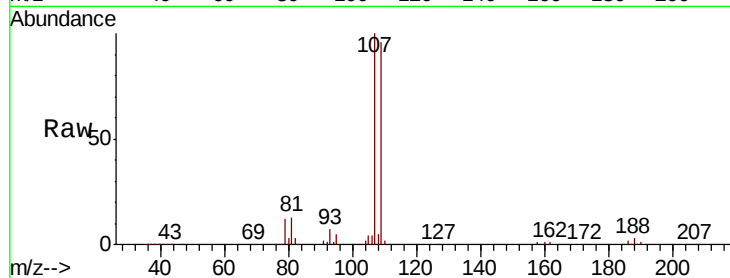
109 96.2 79.5 119.3

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#62

4-Bromofluorobenzene

Concen: 199.25 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

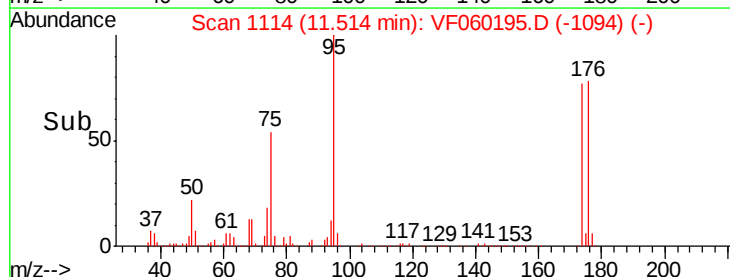
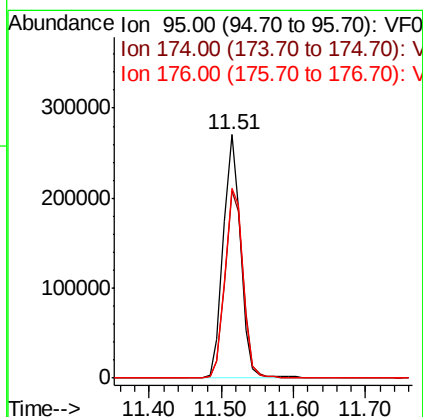
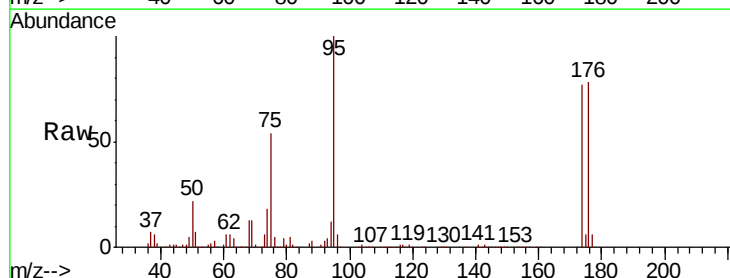
Tgt Ion: 95 Resp: 450048

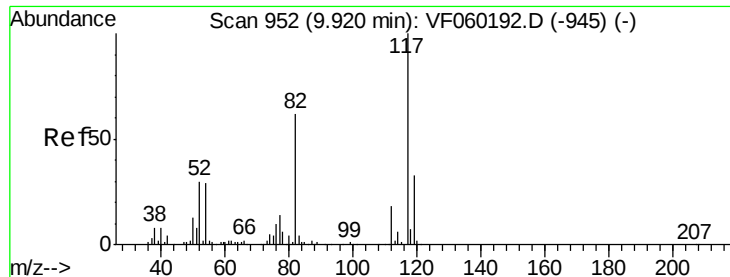
Ion Ratio Lower Upper

95 100

174 77.0 0.0 171.2

176 78.0 0.0 167.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.93 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

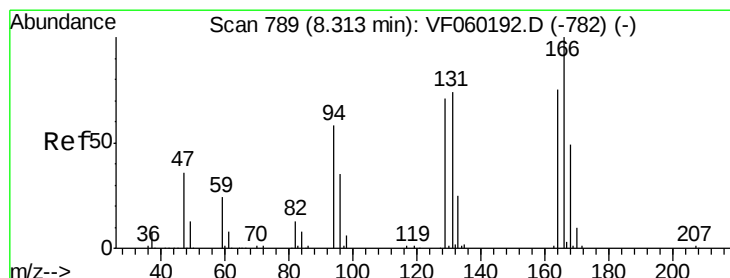
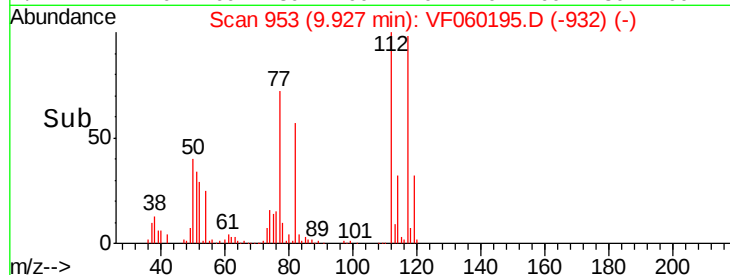
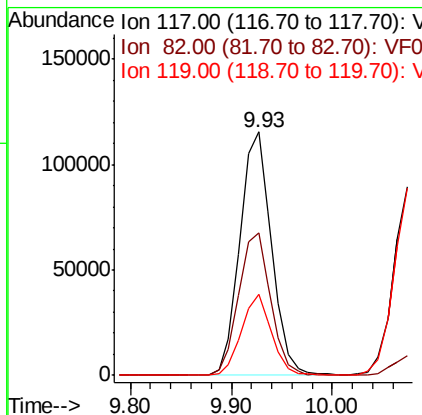
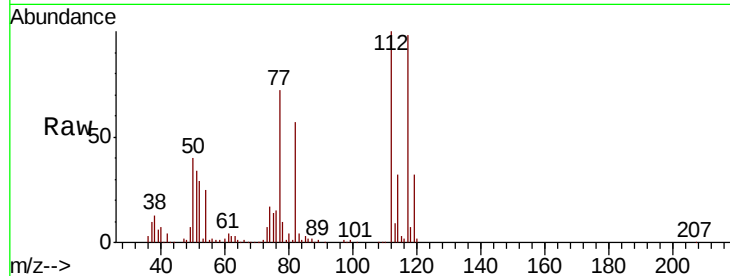
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252569		
82	58.5	49.9	74.9	
119	33.2	26.5	39.7	

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#64

Tetrachloroethene

Concen: 92.60 ug/l

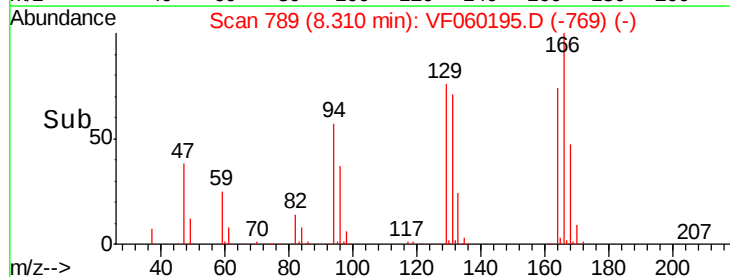
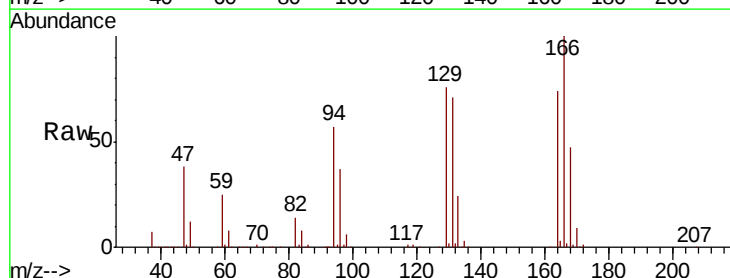
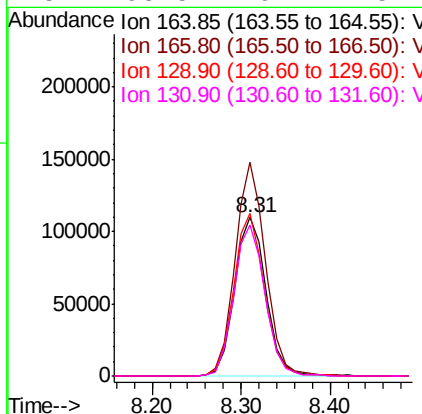
RT: 8.31 min Scan# 789

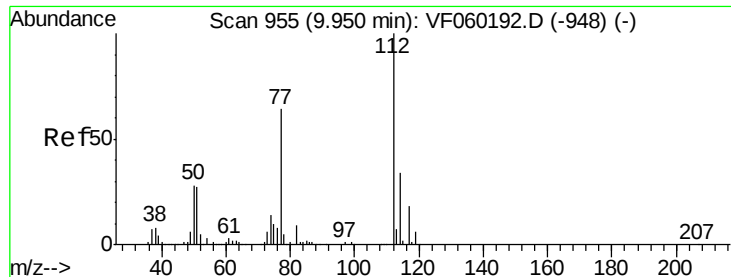
Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	268652		
166	134.6	106.6	160.0	
129	102.1	75.4	113.0	
131	95.5	79.1	118.7	





#65

Chlorobenzene

Concen: 141.75 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 721443

Ion Ratio Lower Upper

112 100

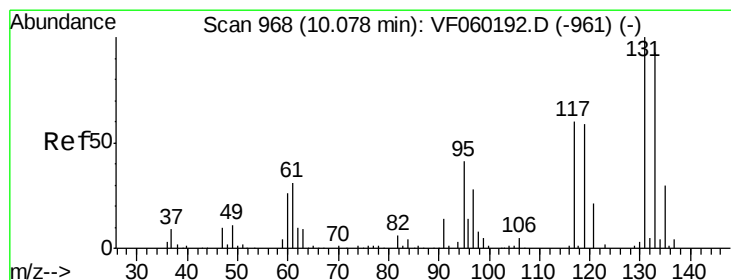
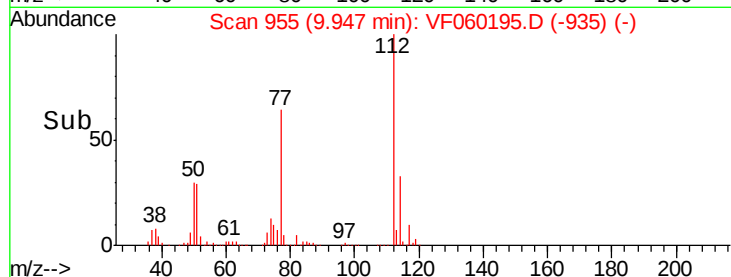
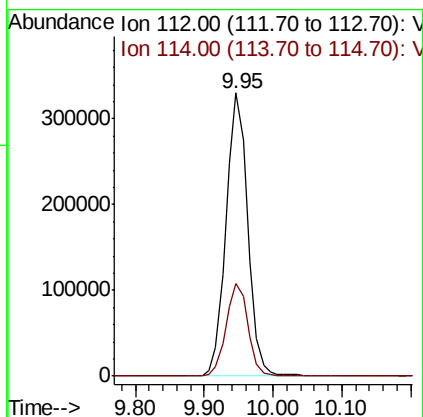
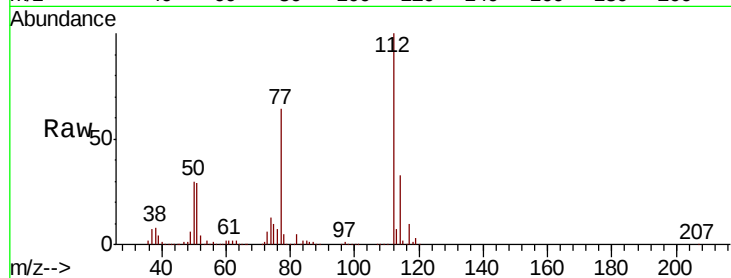
114 32.7 26.8 40.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 181.65 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

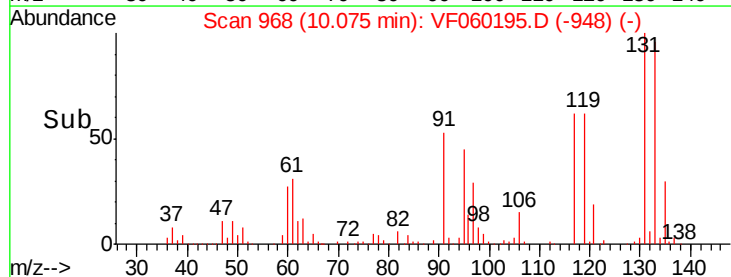
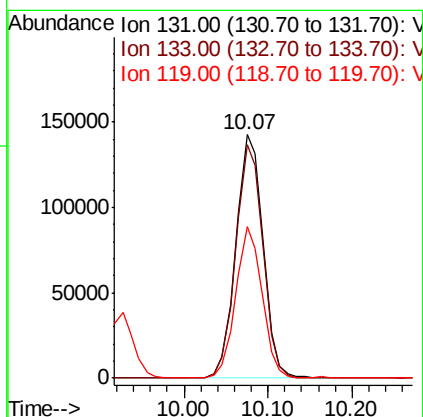
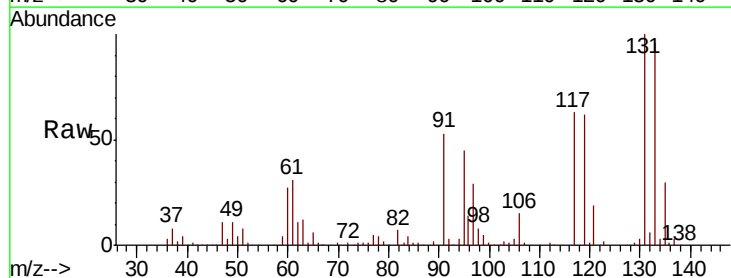
Tgt Ion:131 Resp: 321321

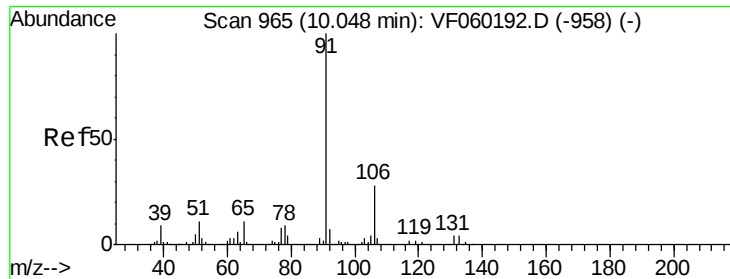
Ion Ratio Lower Upper

131 100

133 95.7 46.6 139.7

119 62.3 29.9 89.7





#67

Ethyl Benzene

Concen: 111.63 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1229513

Ion Ratio Lower Upper

91 100

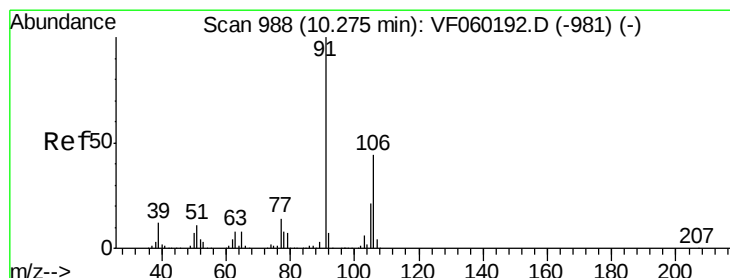
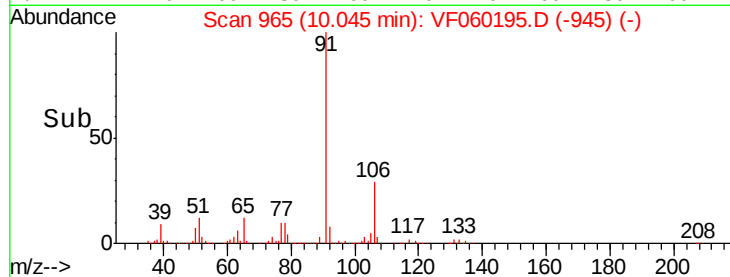
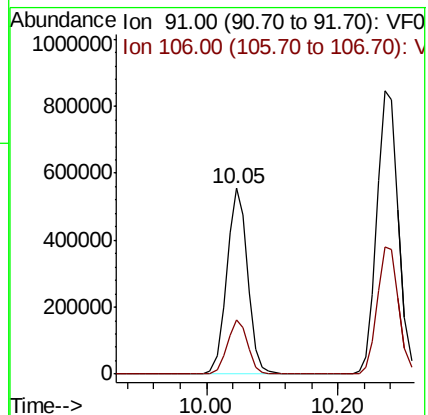
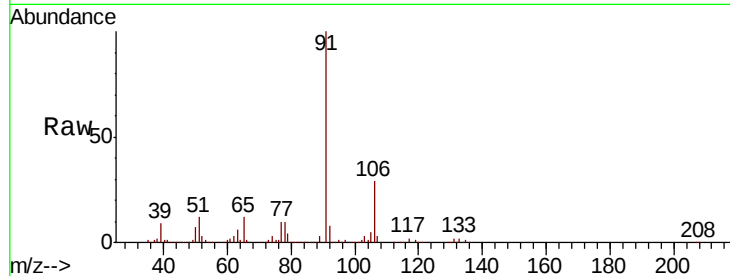
106 29.1 22.0 33.0

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#68

m/p-Xylenes

Concen: 235.75 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF060195.D

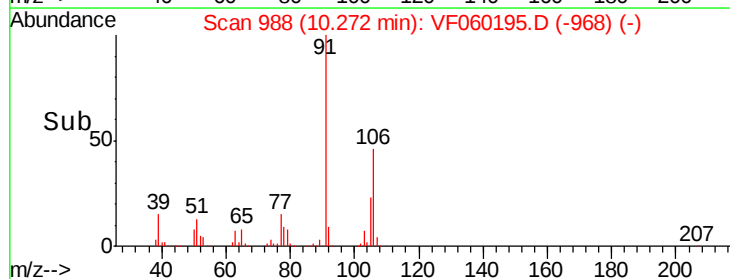
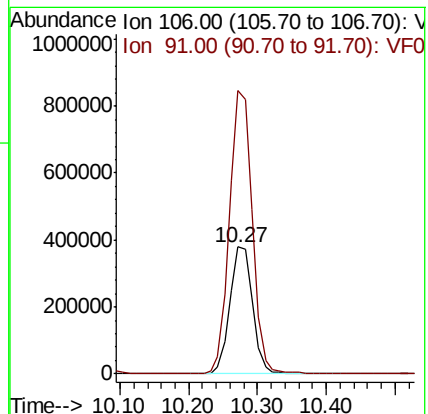
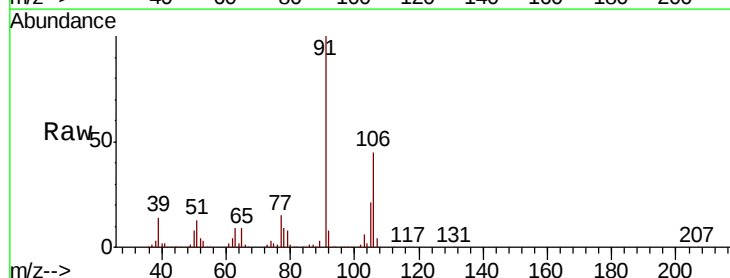
Acq: 29 Aug 2018 17:53

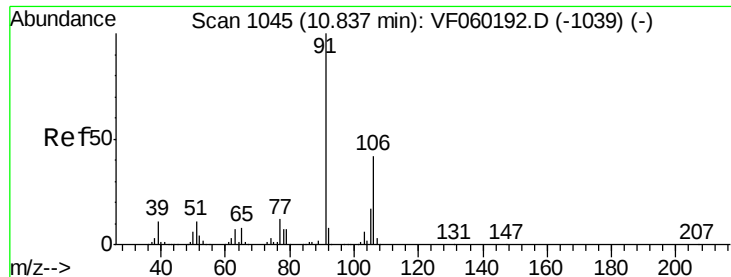
Tgt Ion: 106 Resp: 867565

Ion Ratio Lower Upper

106 100

91 222.8 183.4 275.0





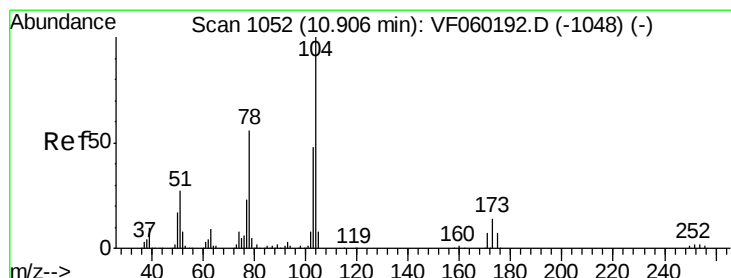
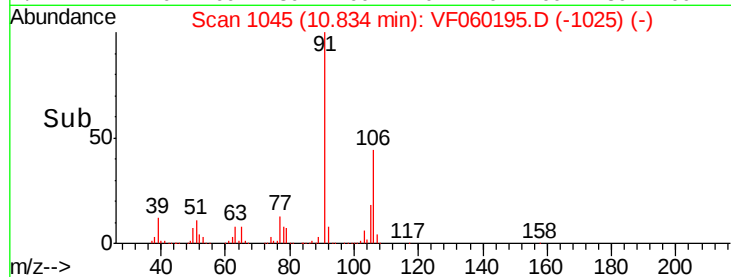
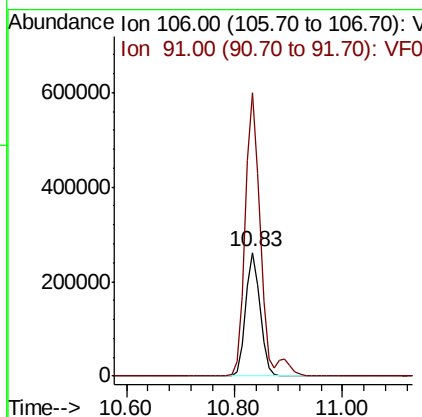
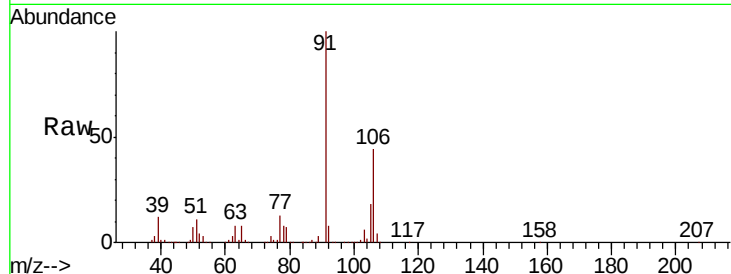
#69
o-Xylene
Concen: 144.67 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
488247	106	100		
	91	228.4	120.2	360.6

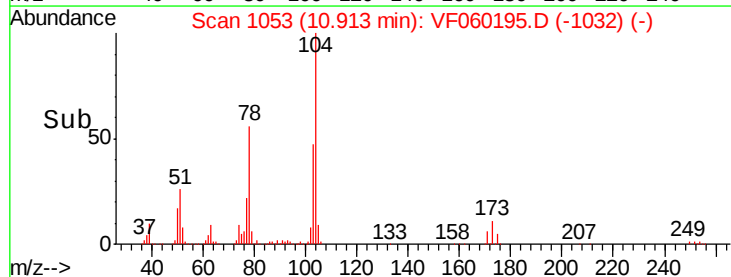
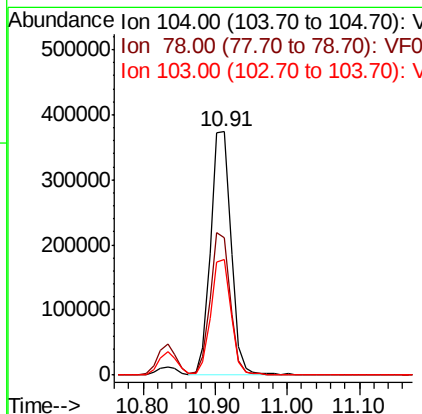
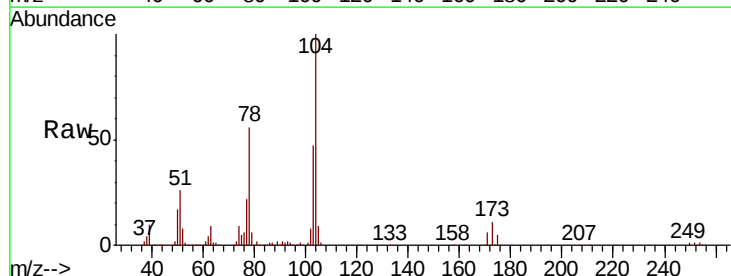
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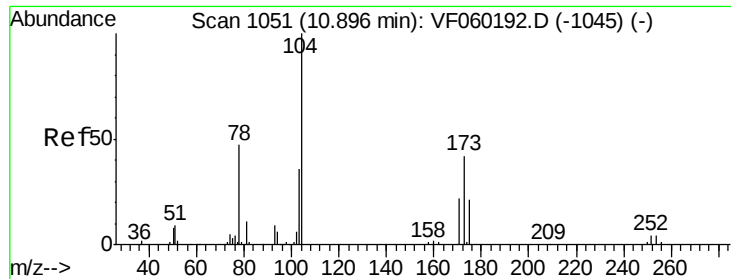
apatel
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#70
Styrene
Concen: 167.64 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Tgt Ion	Ion	Ratio	Lower	Upper
728814	104	100		
	78	56.4	45.4	68.0
	103	47.3	38.9	58.3





#71

Bromoform

Concen: 321.52 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

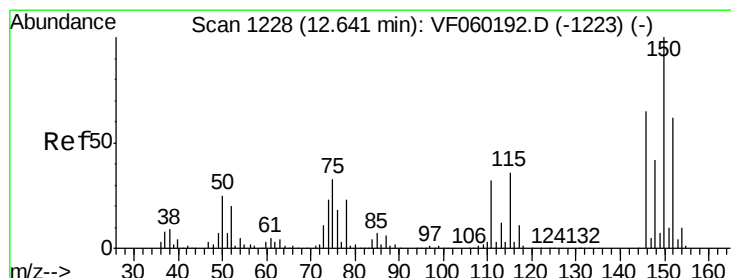
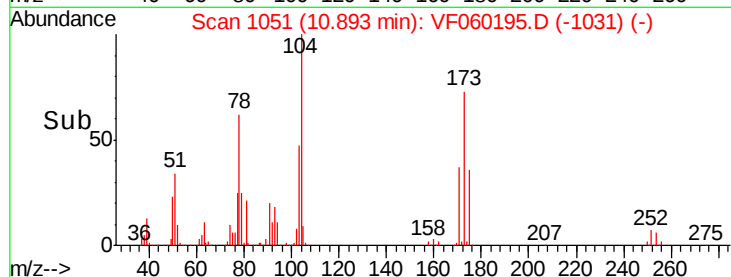
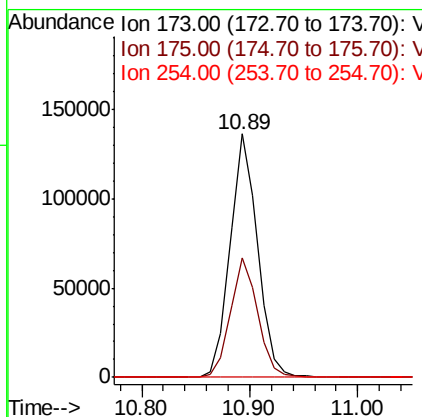
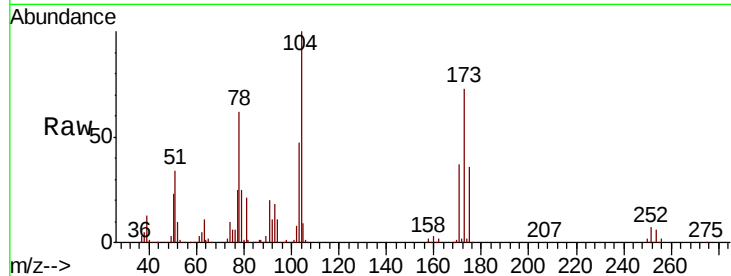
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.8	74.3
254	0.1	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

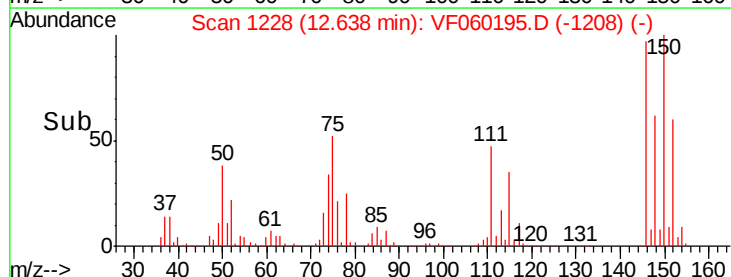
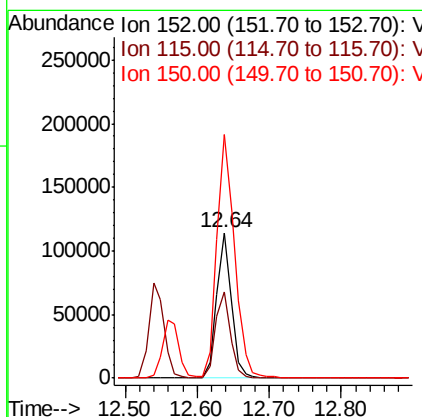
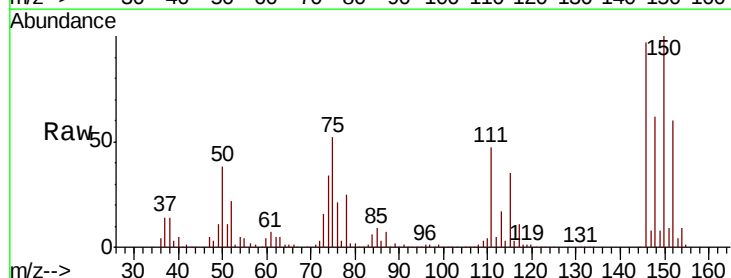
RT: 12.64 min Scan# 1228

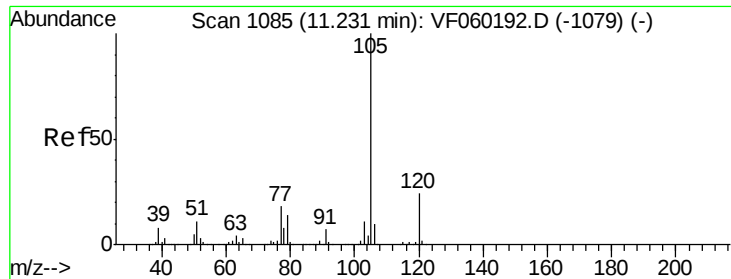
Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.9	86.8
150	167.3	0.0	323.2





#73

Isopropylbenzene

Concen: 89.43 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1437371

Ion Ratio Lower Upper

105 100

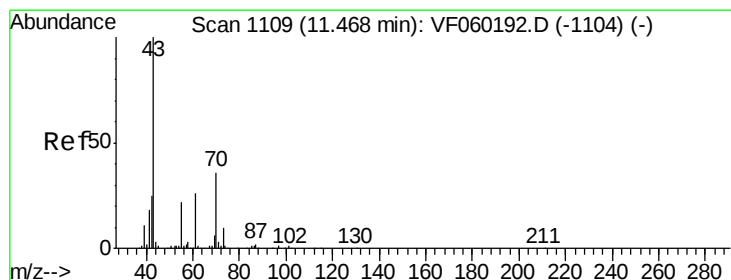
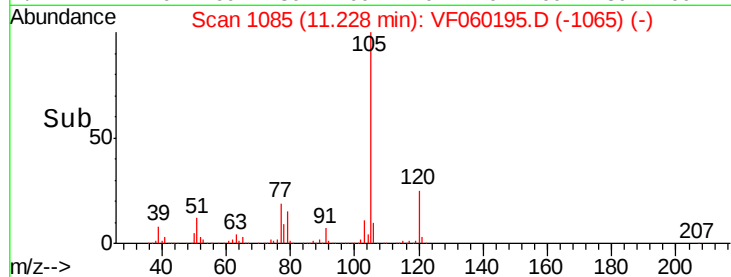
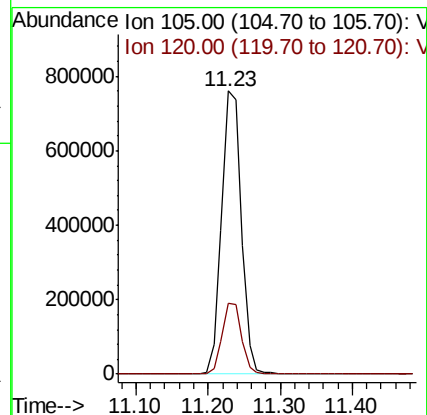
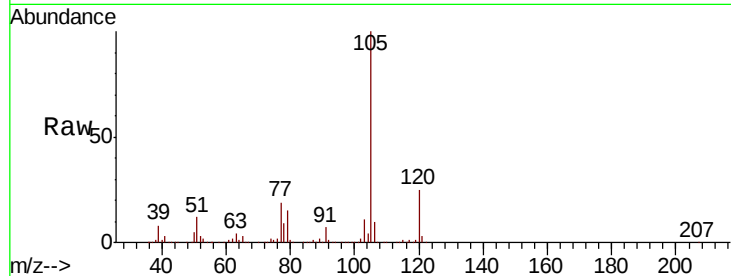
120 24.8 12.3 36.8

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#74

N-ethyl acetate

Concen: 296.73 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Tgt Ion: 43 Resp: 492323

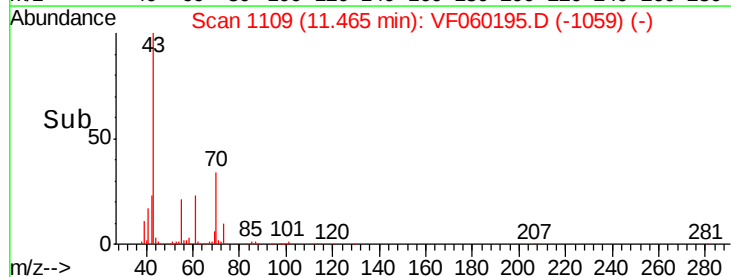
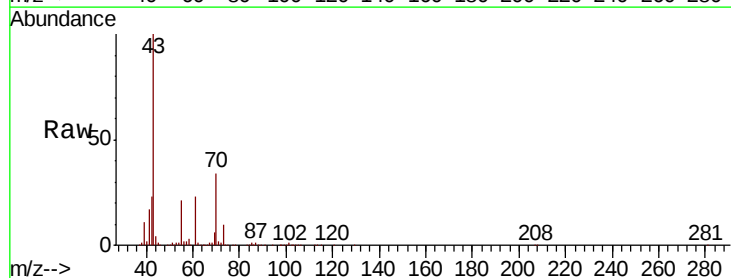
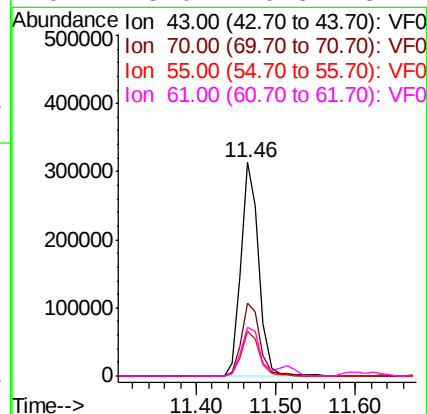
Ion Ratio Lower Upper

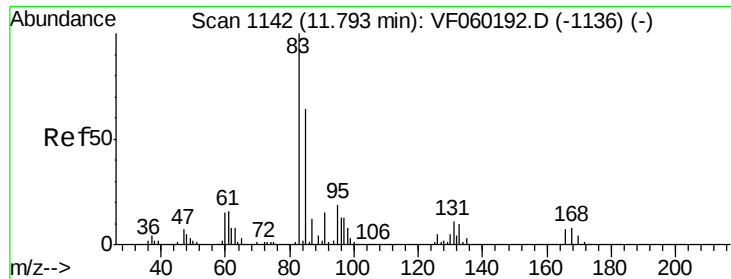
43 100

70 33.9 28.6 43.0

55 20.9 17.4 26.2

61 23.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 220.02 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

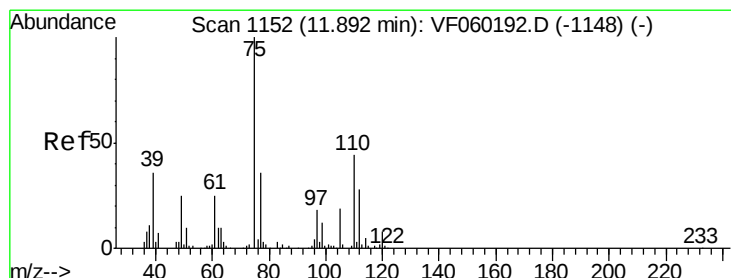
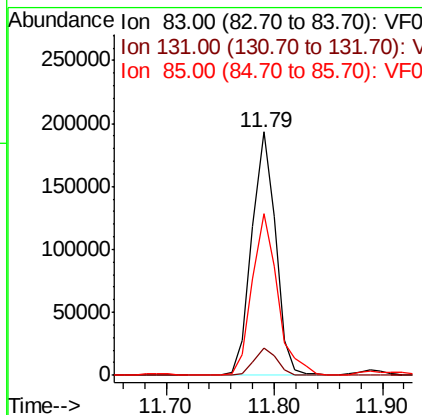
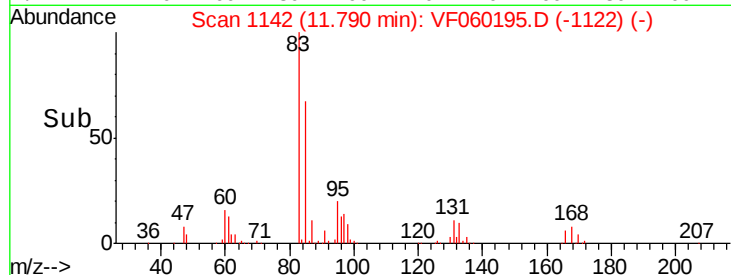
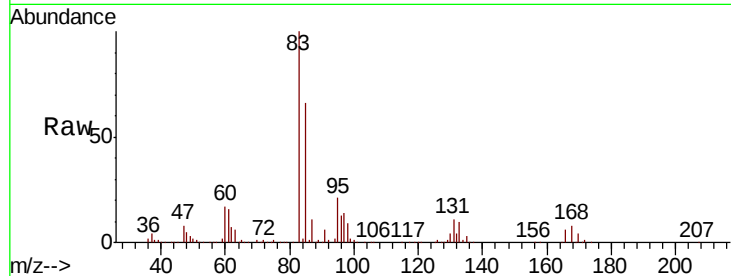
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	297465
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.5
85	66.5	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 227.07 ug/l

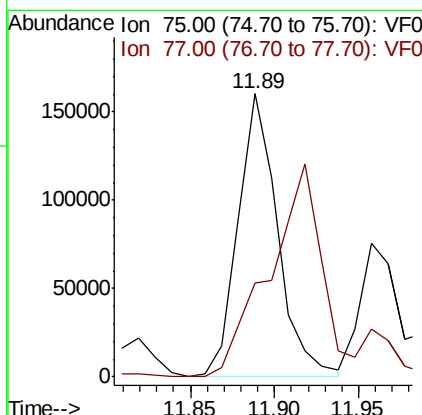
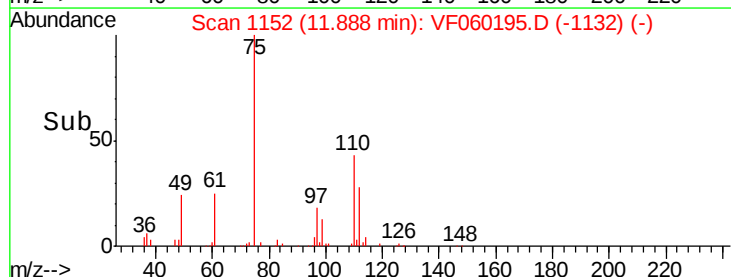
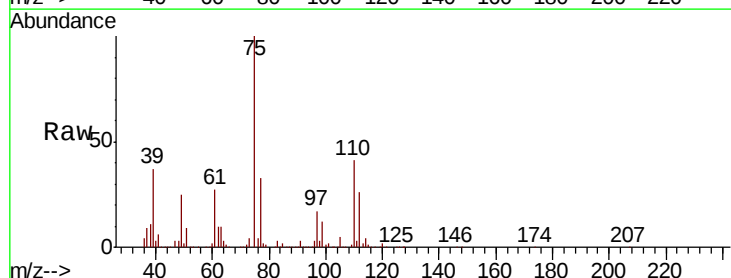
RT: 11.89 min Scan# 1152

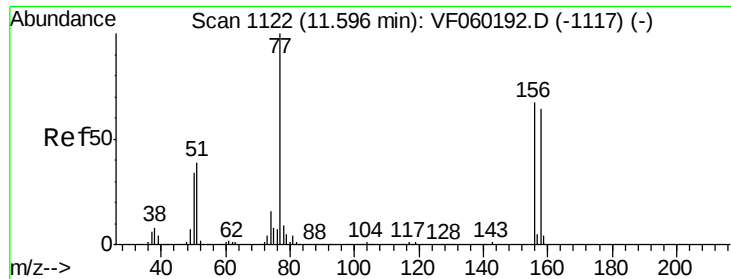
Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Tgt Ion:	75	Resp:	260010
Ion Ratio	Lower	Upper	
75	100		
77	33.2	17.9	53.8





#77

Bromobenzene

Concen: 148.82 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 156 Resp: 383322

Ion Ratio Lower Upper

156 100

77 136.4 74.5 223.5

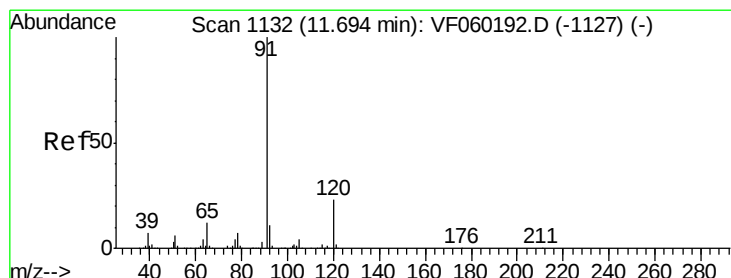
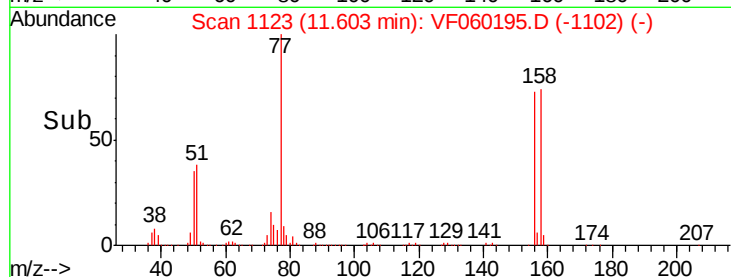
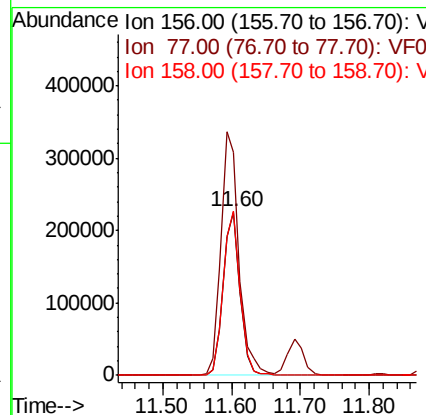
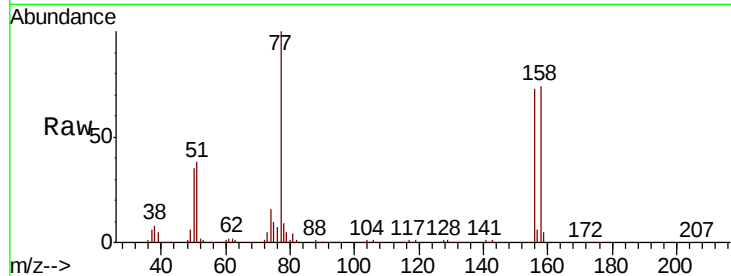
158 100.6 47.3 141.8

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#78

n-propylbenzene

Concen: 83.04 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060195.D

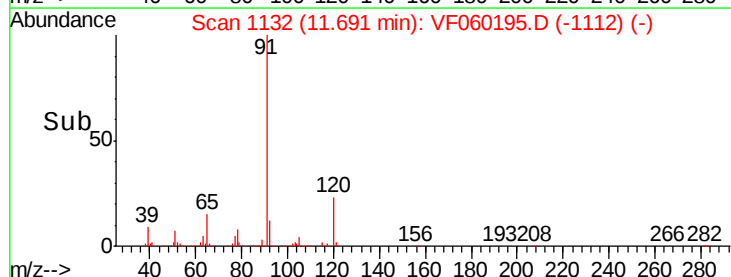
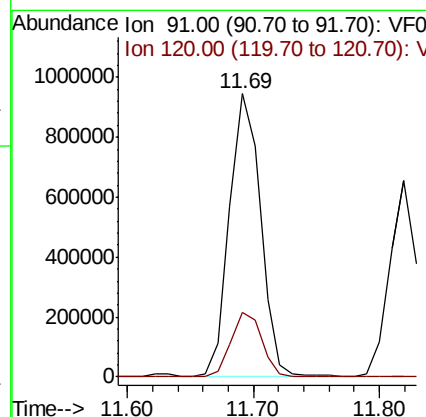
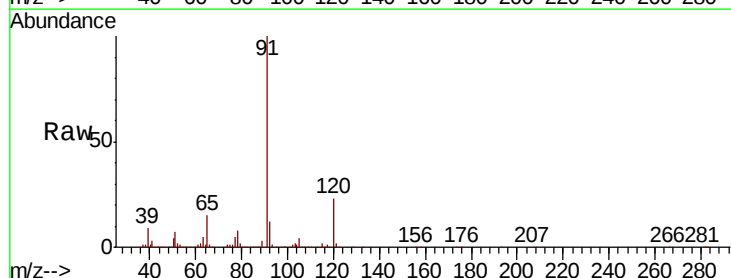
Acq: 29 Aug 2018 17:53

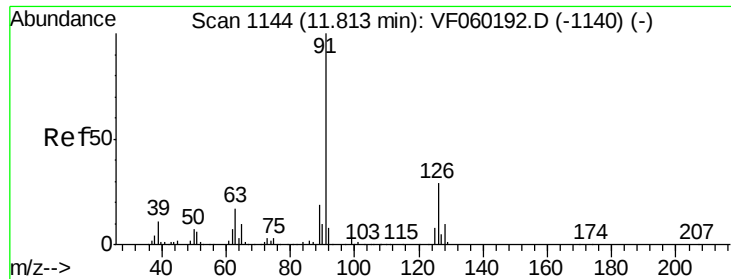
Tgt Ion: 91 Resp: 1610669

Ion Ratio Lower Upper

91 100

120 22.9 11.3 33.9





#79

2-Chlorotoluene

Concen: 105.66 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 989105

Ion Ratio Lower Upper

91 100

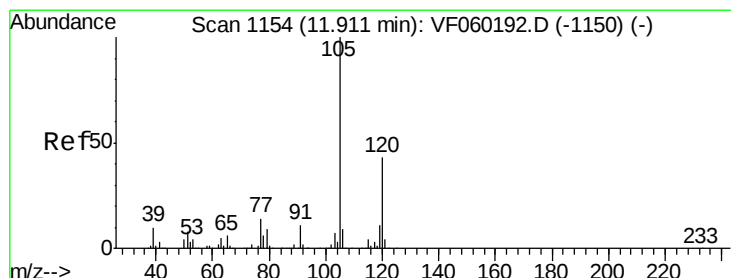
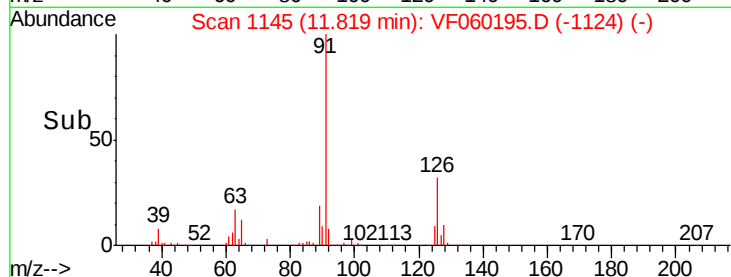
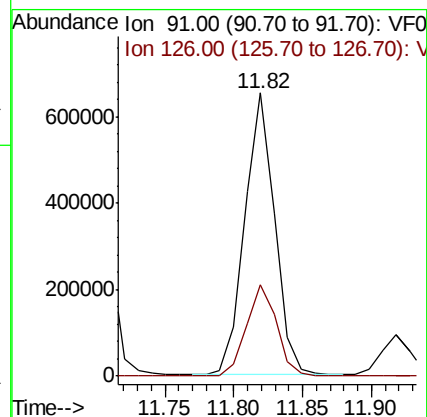
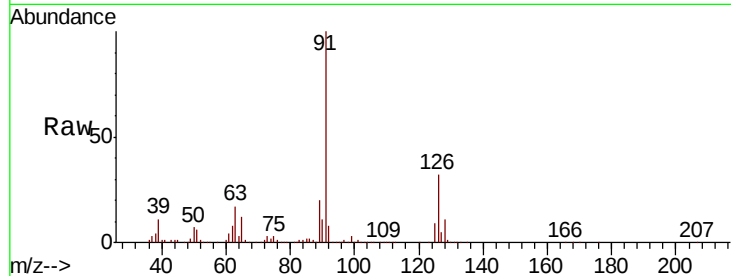
126 32.2 14.7 44.1

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#80

1,3,5-Trimethylbenzene

Concen: 99.72 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF060195.D

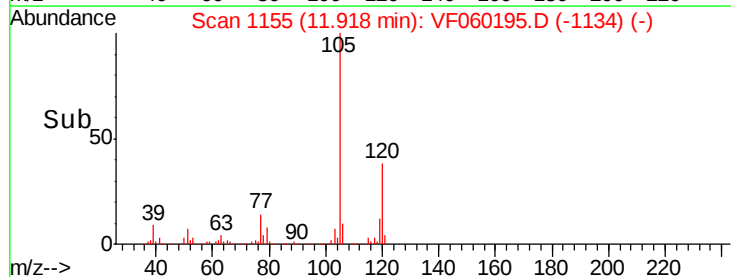
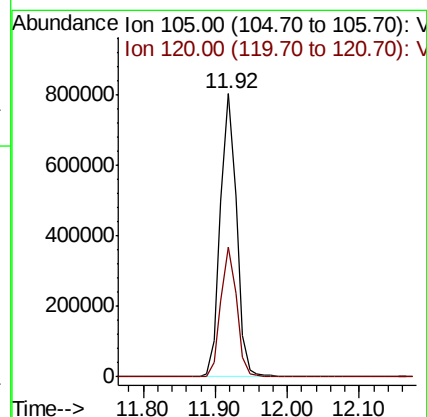
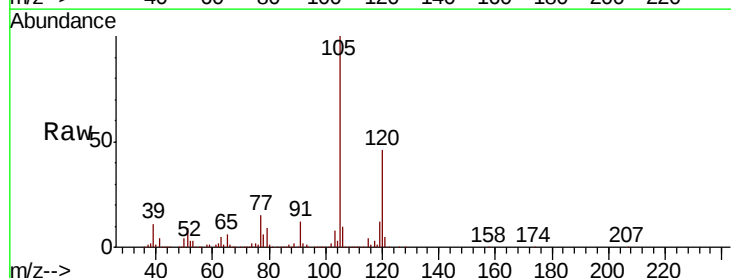
Acq: 29 Aug 2018 17:53

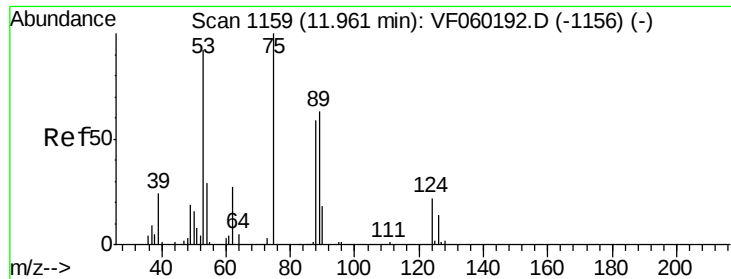
Tgt Ion:105 Resp: 1237766

Ion Ratio Lower Upper

105 100

120 45.9 21.5 64.5





#81

trans-1,4-Dichloro-2-butene

Concen: 330.29 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 111453

Ion Ratio Lower Upper

75 100

53 97.3 78.0 117.0

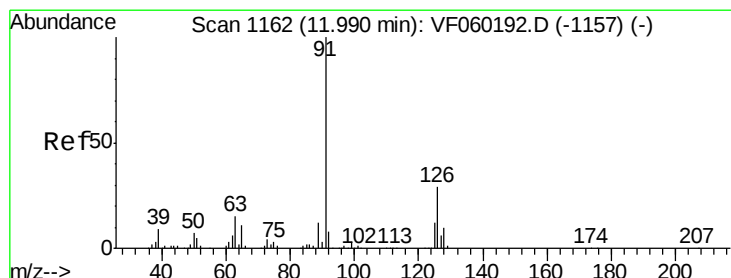
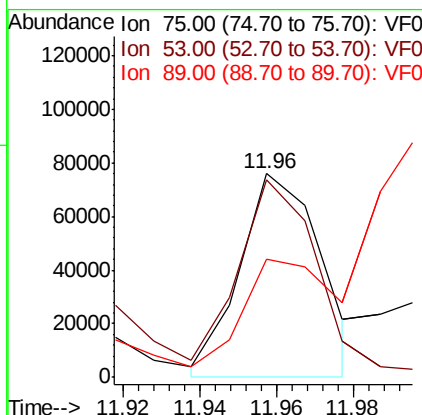
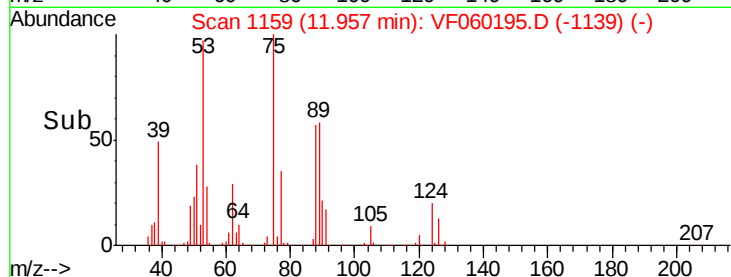
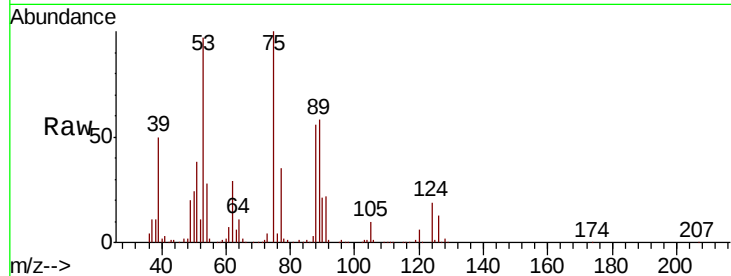
89 58.2 51.8 77.6

Manual Integrations

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#82

4-Chlorotoluene

Concen: 120.76 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF060195.D

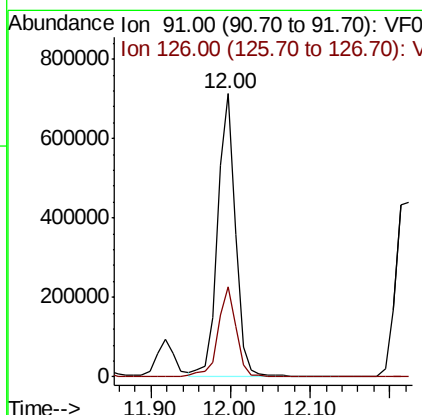
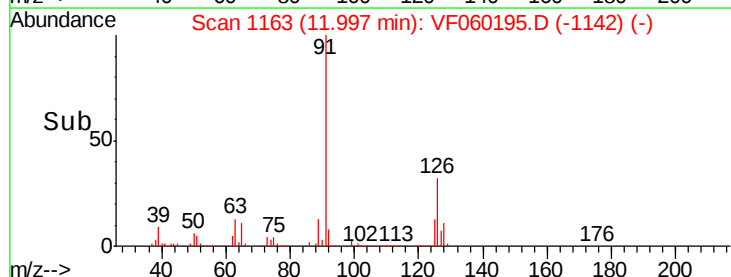
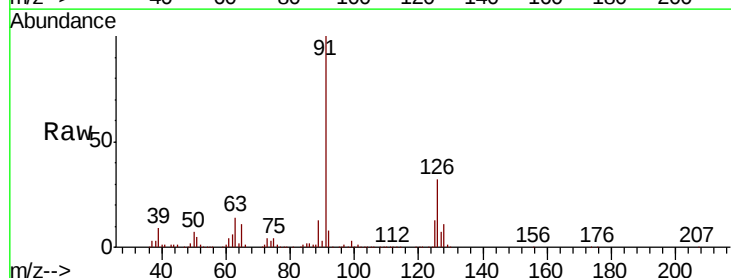
Acq: 29 Aug 2018 17:53

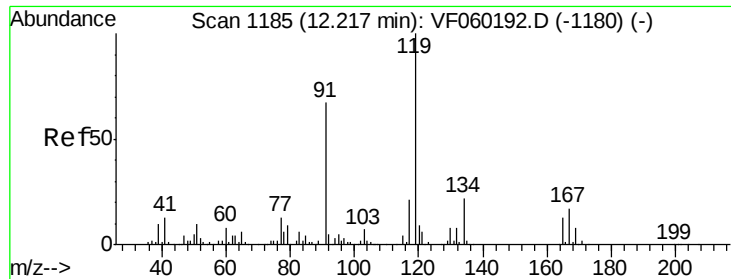
Tgt Ion: 91 Resp: 1126898

Ion Ratio Lower Upper

91 100

126 31.7 14.6 44.0





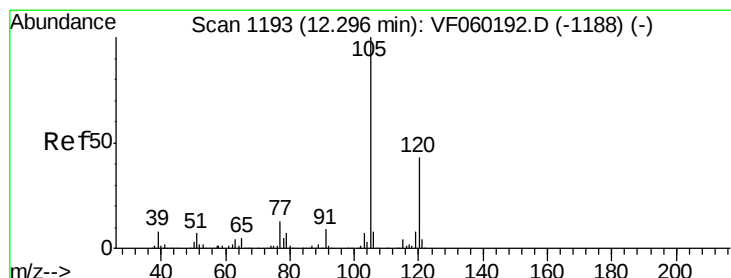
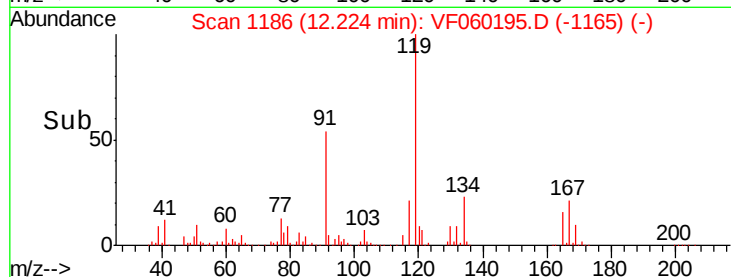
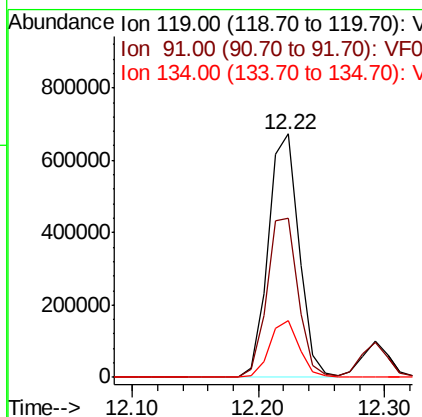
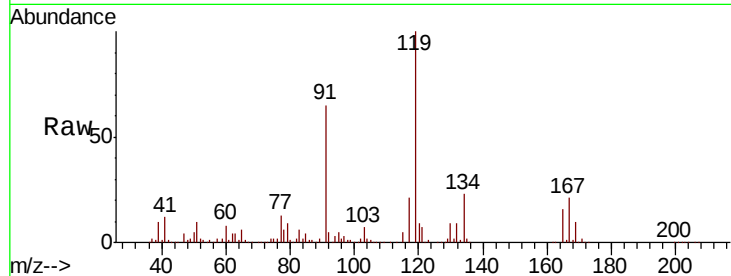
#83
tert-Butylbenzene
Concen: 87.92 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1144900
Ion Ratio Lower Upper
119 100
91 65.3 33.8 101.4
134 23.2 11.1 33.3

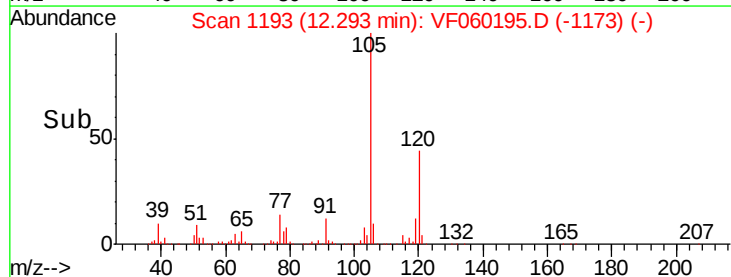
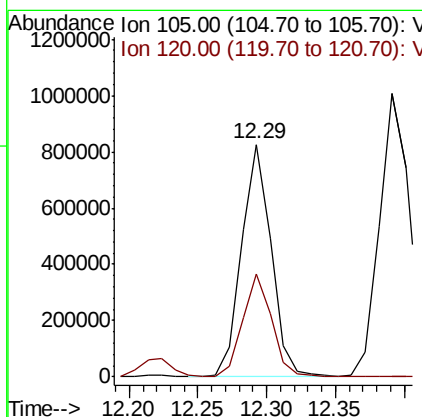
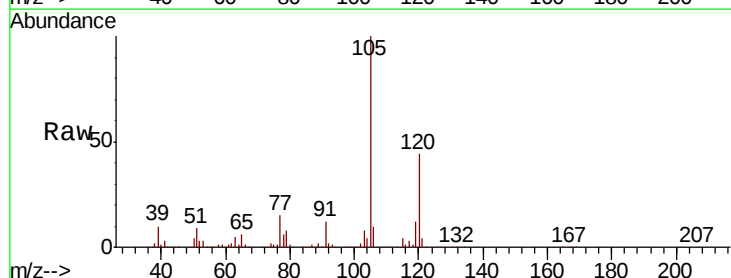
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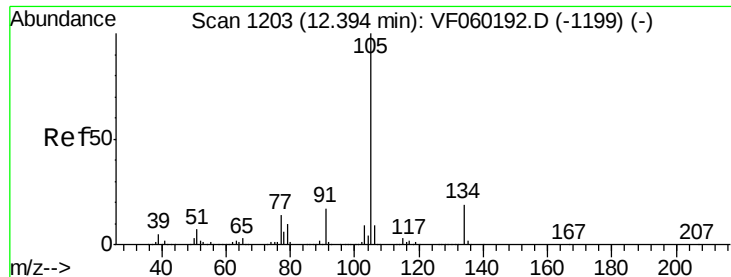
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#84
1,2,4-Trimethylbenzene
Concen: 114.89 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Tgt Ion:105 Resp: 1243044
Ion Ratio Lower Upper
105 100
120 44.3 21.6 64.6





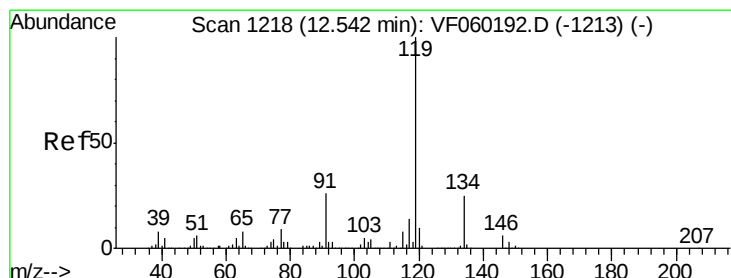
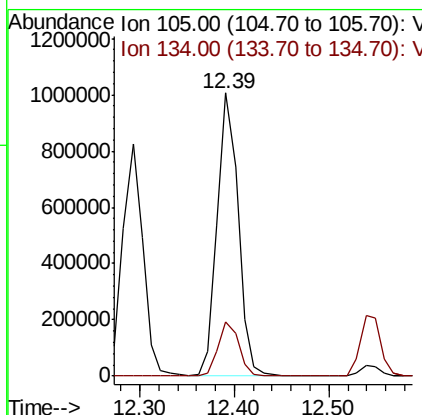
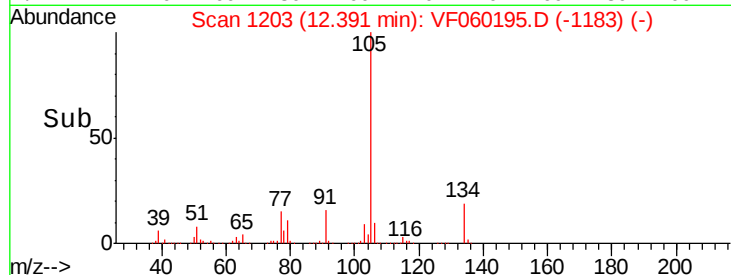
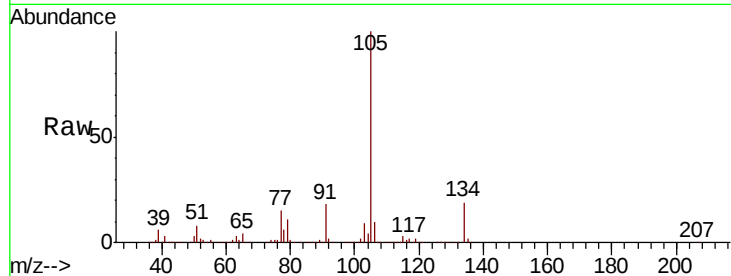
#85
 sec-Butylbenzene
 Concen: 81.61 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1553910
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.4 28.3

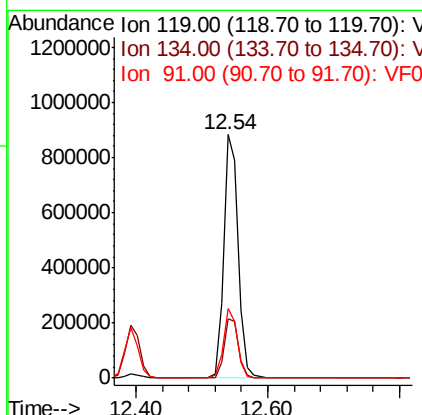
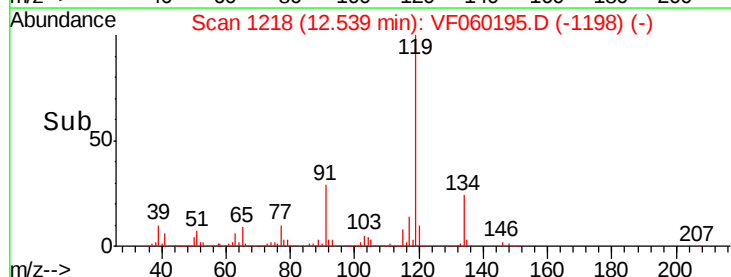
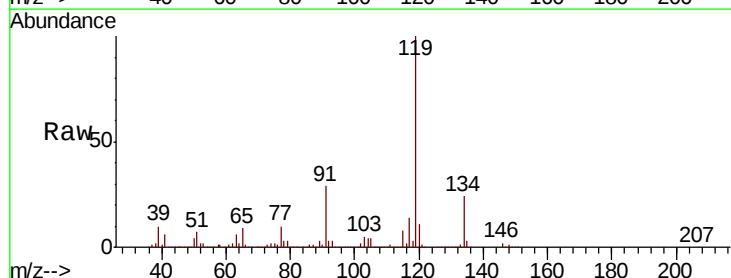
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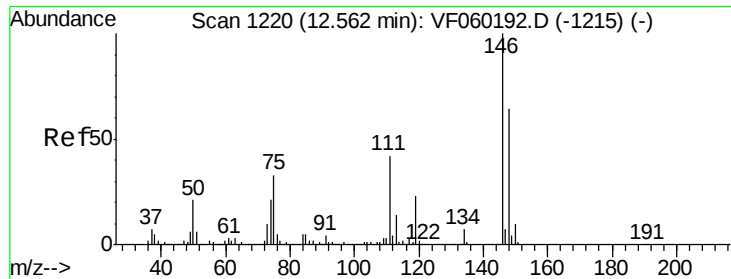
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#86
 p-Isopropyltoluene
 Concen: 94.19 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Tgt Ion:119 Resp: 1346627
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.3 36.9
 91 28.7 13.3 39.8





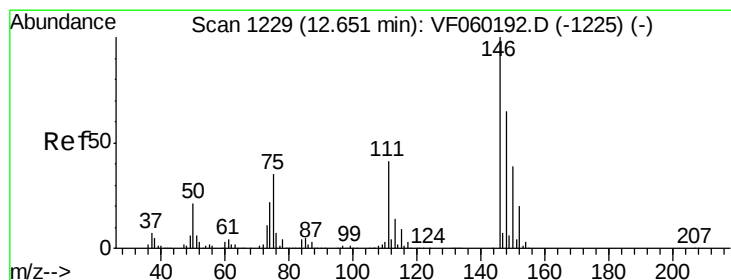
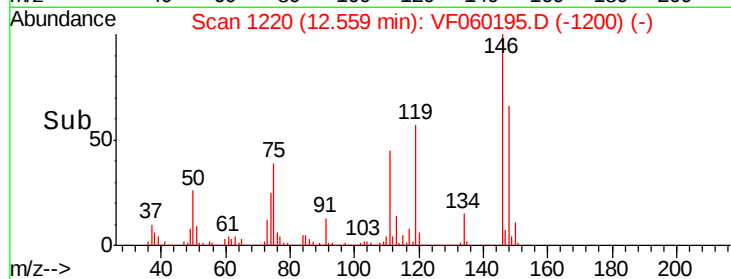
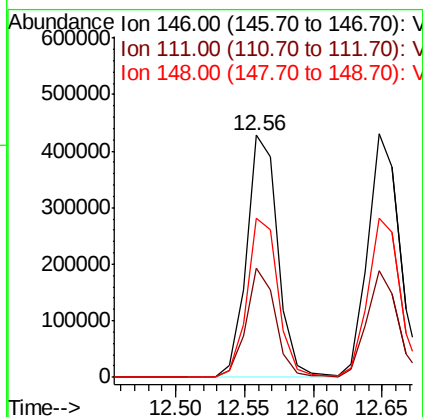
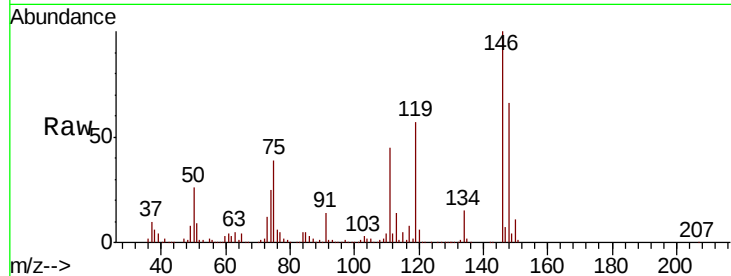
#87
 1,3-Dichlorobenzene
 Concen: 126.98 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	20.8	62.4
148	65.8	32.0	96.2

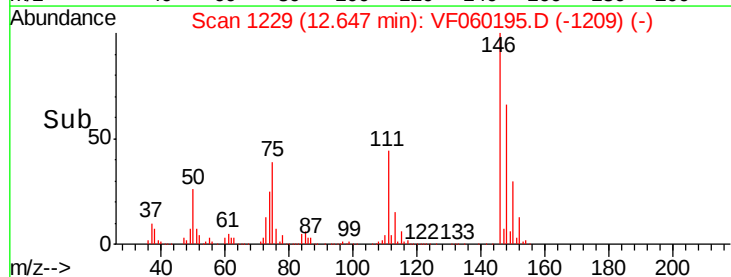
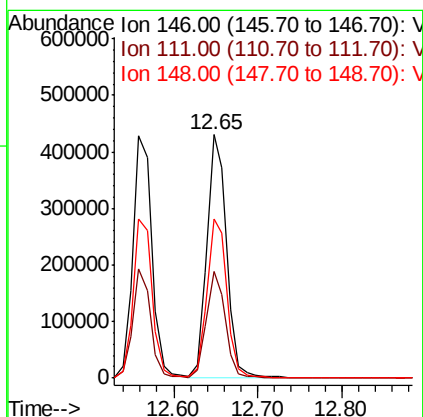
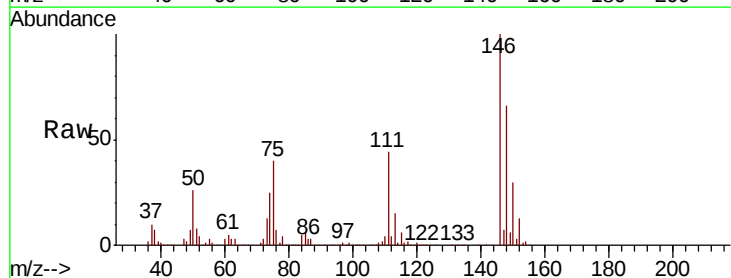
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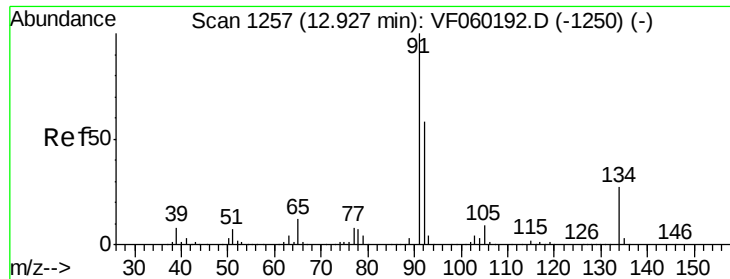
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#88
 1,4-Dichlorobenzene
 Concen: 141.01 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.5	61.5
148	65.5	32.4	97.0





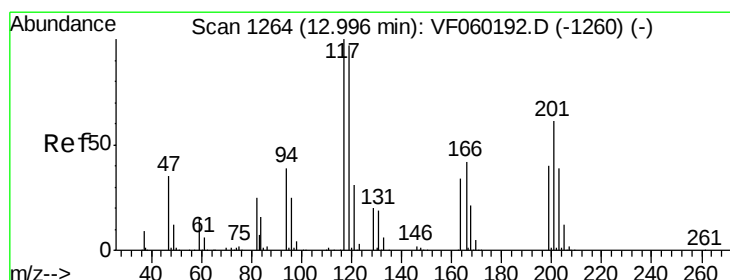
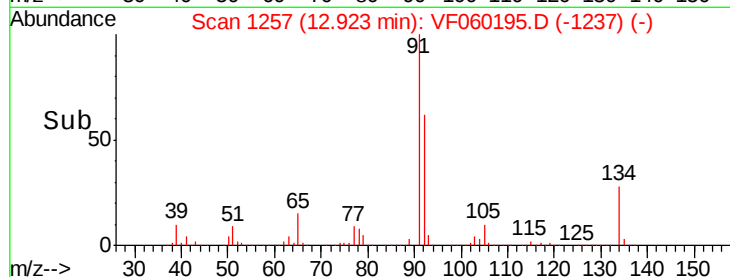
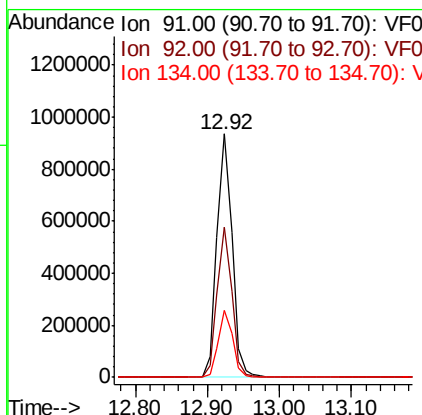
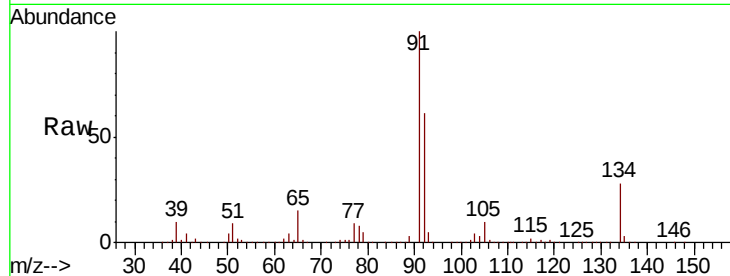
#89
n-Butylbenzene
Concen: 107.88 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.5	29.3	87.8
134	27.5	13.5	40.4

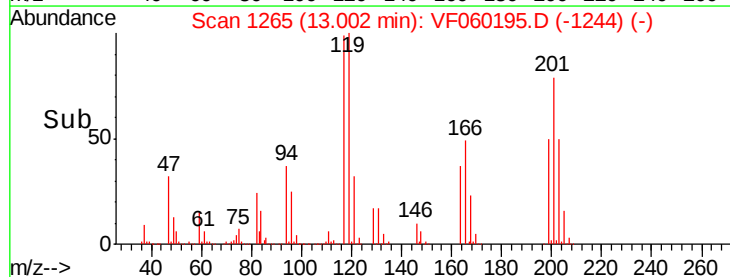
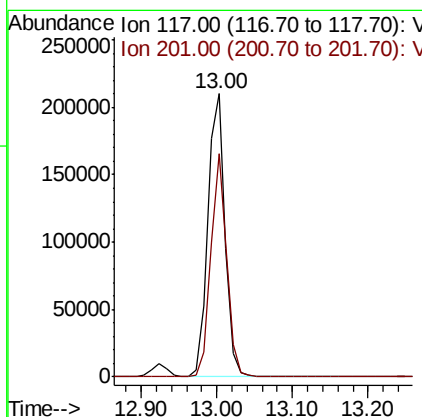
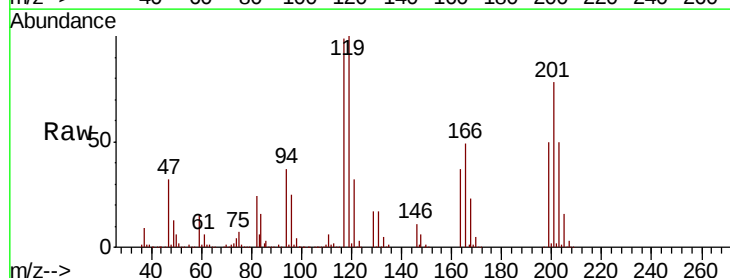
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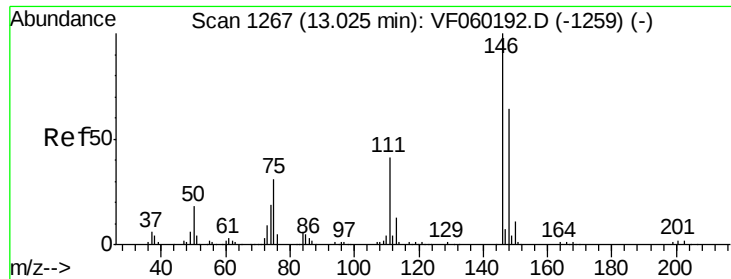
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#90
Hexachloroethane
Concen: 108.09 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	31.3	93.9





#91

1,2-Dichlorobenzene

Concen: 154.97 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Instrument :

MSVOA_F

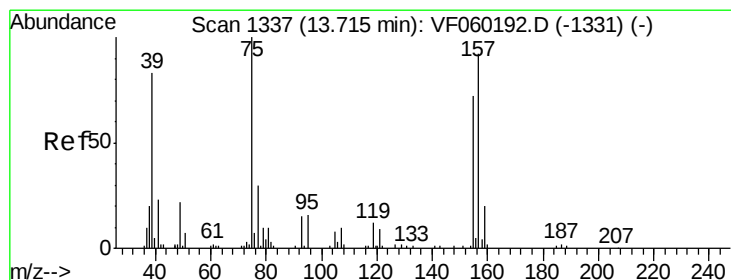
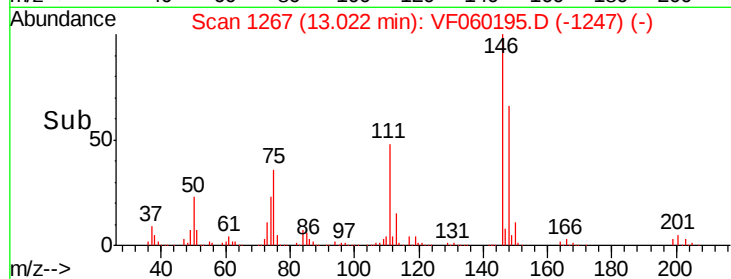
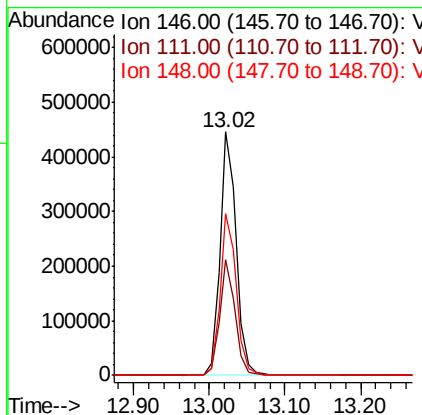
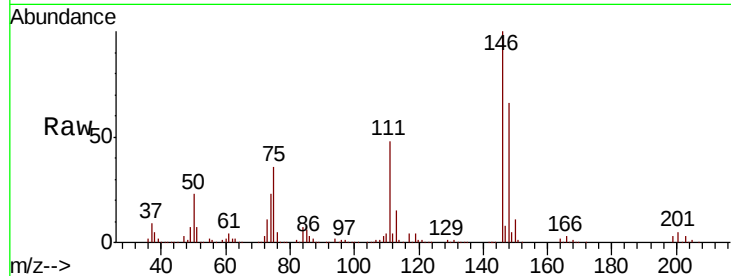
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	668878
Ion Ratio	Lower	Upper	
146	100		
111	47.7	20.7	62.1
148	66.3	31.9	95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 329.46 ug/l

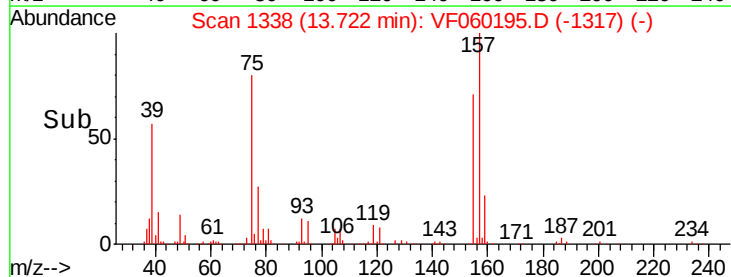
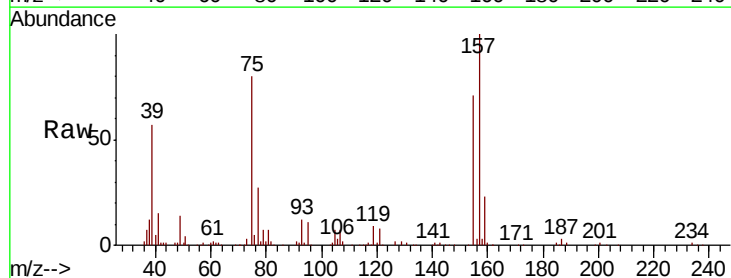
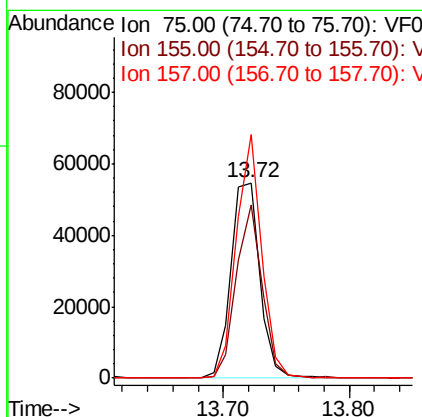
RT: 13.72 min Scan# 1338

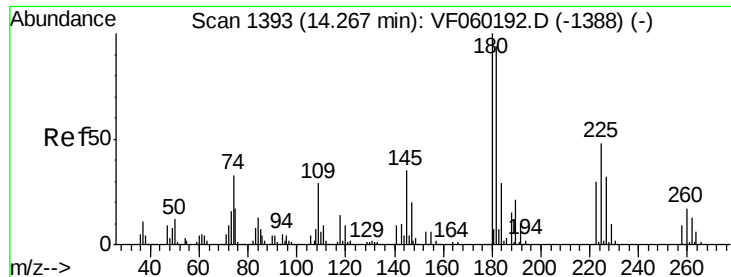
Delta R.T. 0.01 min

Lab File: VF060195.D

Acq: 29 Aug 2018 17:53

Tgt Ion:	75	Resp:	86602
Ion Ratio	Lower	Upper	
75	100		
155	88.9	35.9	107.7
157	124.7	46.1	138.3





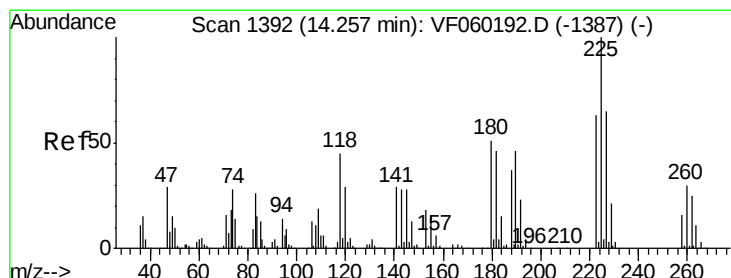
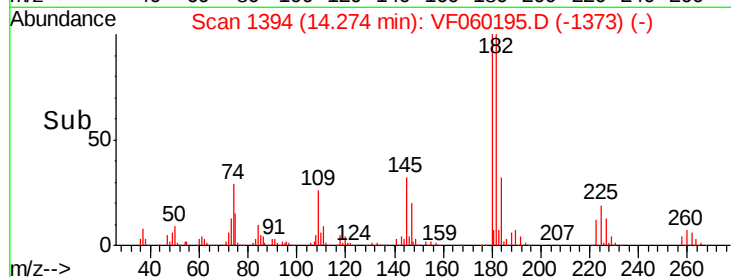
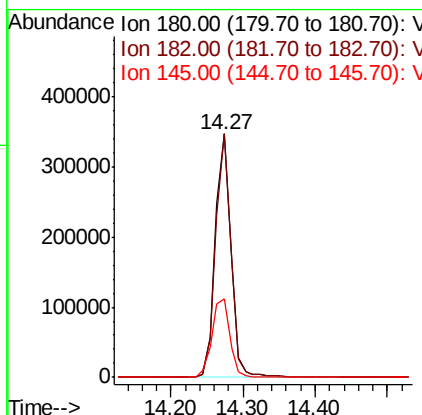
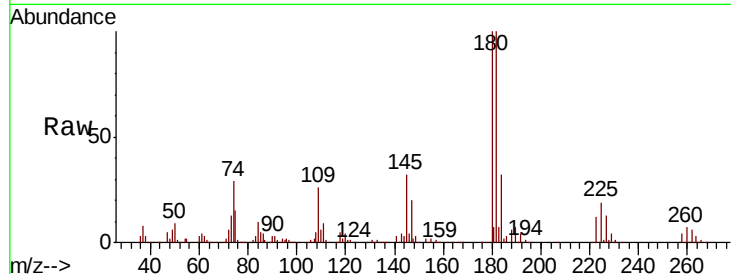
#93
 1,2,4-Trichlorobenzene
 Concen: 238.59 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	517091		
182	100.1	47.1	141.4	
145	32.1	17.3	51.7	

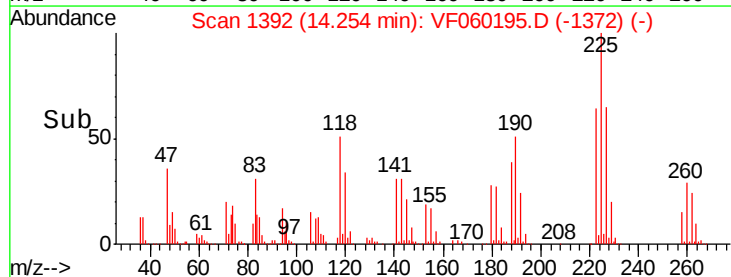
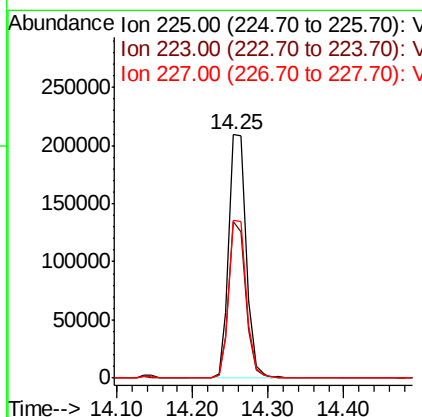
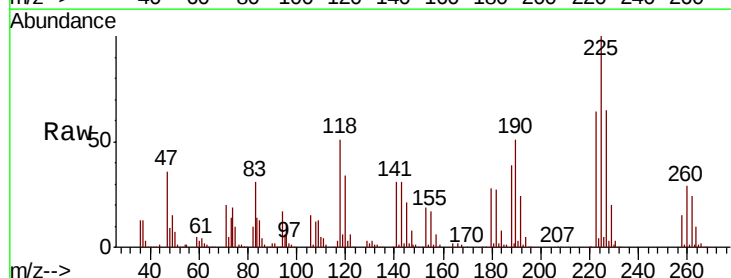
Manual Integrations
 APPROVED

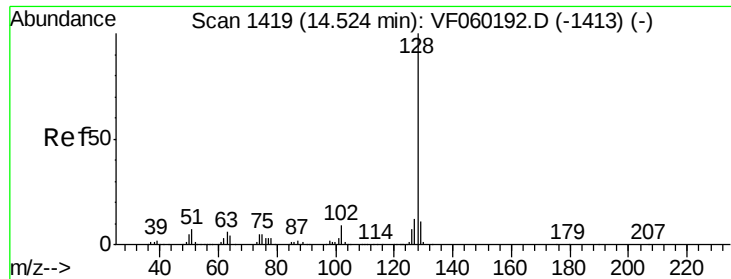
apatel
 8/30/2018 3:31:36 PM



#94
 Hexachlorobutadiene
 Concen: 95.91 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF060195.D
 Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	333680		
223	64.1	31.6	95.0	
227	64.6	32.3	96.9	





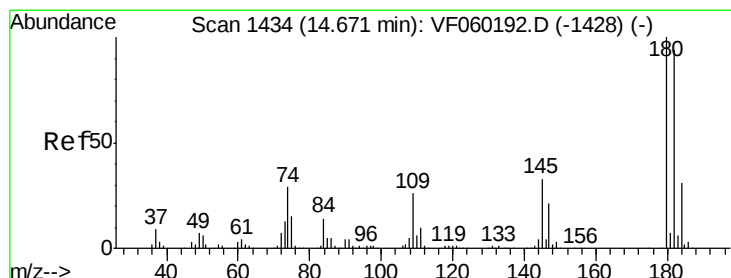
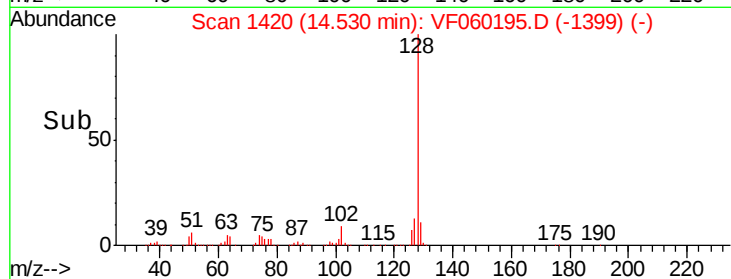
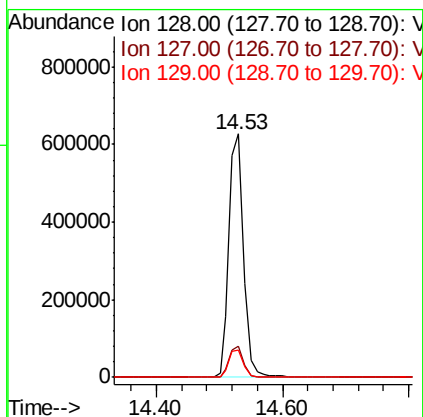
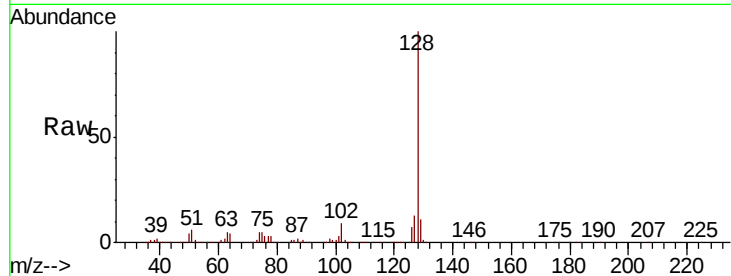
#95
Naphthalene
Concen: 448.73 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.8	14.8
129	11.1	8.6	13.0

Manual Integrations
APPROVED

apatel
8/30/2018 3:31:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 287.10 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF060195.D
Acq: 29 Aug 2018 17:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	46.9	140.6
145	34.8	16.4	49.4

