

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060534.D
 Acq On : 29 Oct 2018 17:53
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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apatel
 10/30/2018 2:07:23 PM

Quant Time: Oct 30 04:54:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	321038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	519129	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	444349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	270487	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	249838	40.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.28%	
35) Dibromofluoromethane	4.31	113	241289	40.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.30%	
50) Toluene-d8	7.73	98	627228	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.52	95	289897	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.00	85	248555	30.033	ug/l 100
3) Chloromethane	1.13	50	159416	39.994	ug/l 100
4) Vinyl Chloride	1.19	62	167138	37.034	ug/l 100
5) Bromomethane	1.37	94	135543	30.636	ug/l 100
6) Chloroethane	1.43	64	85967	31.466	ug/l 100
7) Trichlorofluoromethane	1.55	101	422083	30.346	ug/l 100
8) Diethyl Ether	1.70	74	53012	39.216	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	193166	32.164	ug/l 100
10) Methyl Iodide	1.97	142	312489	36.320	ug/l 100
11) Tert butyl alcohol	2.69	59	53027	164.500	ug/l 100
12) 1,1-Dichloroethene	1.86	96	153728	35.209	ug/l 100
13) Acrolein	2.10	56	42263	158.364	ug/l 100
14) Allyl chloride	2.20	41	253185	36.134	ug/l 100
15) Acrylonitrile	3.08	53	111961	217.752	ug/l 100
16) Acetone	2.34	43	239872	166.602	ug/l 100
17) Carbon Disulfide	1.87	76	456448	37.374	ug/l 100
18) Methyl Acetate	2.45	43	76334	37.713	ug/l 100
19) Methyl tert-butyl Ether	2.54	73	390196	35.929	ug/l 100
20) Methylene Chloride	2.29	84	148369	33.666	ug/l 100
21) trans-1,2-Dichloroethene	2.42	96	161968	38.211	ug/l 100
22) Diisopropyl ether	2.94	45	493113	39.422	ug/l 100
23) Vinyl Acetate	3.34	43	972667	237.600	ug/l 100
24) 1,1-Dichloroethane	3.00	63	331075	35.211	ug/l 100
25) 2-Butanone	4.51	43	286700	248.149	ug/l 100
26) 2,2-Dichloropropane	3.77	77	233134	37.273	ug/l 100
27) cis-1,2-Dichloroethene	3.65	96	221901	52.674	ug/l 100
28) Bromochloromethane	3.90	49	138046	47.281	ug/l 100
29) Tetrahydrofuran	4.27	42	110177	243.551	ug/l 100
30) Chloroform	4.05	83	460317	41.401	ug/l 100
31) Cyclohexane	3.88	56	254219	50.821	ug/l 100
32) 1,1,1-Trichloroethane	4.29	97	387246	38.351	ug/l 100
36) 1,1-Dichloropropene	4.47	75	312612	41.513	ug/l 100
37) Ethyl Acetate	4.30	43	103180	41.538	ug/l 100
38) Carbon Tetrachloride	4.19	117	375185m	34.224	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	313846	49.510	ug/l	100
40) Benzene	4.82	78	637007	49.739	ug/l	100
41) Methacrylonitrile	4.93	41	59011	46.150	ug/l	100
42) 1,2-Dichloroethane	5.13	62	303128	38.790	ug/l	100
43) Isopropyl Acetate	7.13	43	134916	50.373	ug/l	100
44) Trichloroethene	5.69	130	199655	45.484	ug/l	100
45) 1,2-Dichloropropane	6.42	63	155253	48.377	ug/l	100
46) Dibromomethane	6.26	93	129434	43.887	ug/l	100
47) Bromodichloromethane	6.56	83	335394	41.172	ug/l	100
48) Methyl methacrylate	6.89	41	97500	49.164	ug/l	100
49) 1,4-Dioxane	6.88	88	16201	927.492	ug/l	100
51) 4-Methyl-2-Pentanone	8.42	43	472284	231.657	ug/l	100
52) Toluene	7.80	92	424486	50.339	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	267333	43.870	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	310479	48.663	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	133648	51.003	ug/l	100
56) Ethyl methacrylate	8.77	69	155121	54.182	ug/l	100
57) 1,3-Dichloropropane	9.01	76	233802	50.410	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	71665	193.968	ug/l	100
59) 2-Hexanone	9.64	43	333509	219.635	ug/l	100
60) Dibromochloromethane	8.88	129	215936	44.371	ug/l	100
61) 1,2-Dibromoethane	9.15	107	151396	48.864	ug/l	100
64) Tetrachloroethene	8.32	164	194994	50.946	ug/l	100
65) Chlorobenzene	9.95	112	466817	49.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	202817	43.070	ug/l	100
67) Ethyl Benzene	10.05	91	886066	46.719	ug/l	100
68) m/p-Xylenes	10.28	106	593357	98.820	ug/l	100
69) o-Xylene	10.84	106	342759	50.381	ug/l	100
70) Styrene	10.91	104	475391	49.972	ug/l	100
71) Bromoform	10.90	173	110718	43.649	ug/l	100
73) Isopropylbenzene	11.24	105	1006943	46.879	ug/l	100
74) N-amyl acetate	11.47	43	200952	51.527	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.80	83	179441	56.304	ug/l	100
76) 1,2,3-Trichloropropane	11.90	75	128738	47.540	ug/l	100
77) Bromobenzene	11.60	156	221205	48.957	ug/l	100
78) n-propylbenzene	11.70	91	1172689	46.819	ug/l	100
79) 2-Chlorotoluene	11.82	91	714733	47.098	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	866836	46.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	59252m	52.096	ug/l	
82) 4-Chlorotoluene	11.99	91	728022	45.314	ug/l	100
83) tert-Butylbenzene	12.22	119	834312	44.526	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	854298	45.901	ug/l	100
85) sec-Butylbenzene	12.40	105	1145214	45.044	ug/l	100
86) p-Isopropyltoluene	12.55	119	953693	44.355	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	424260	46.391	ug/l	100
88) 1,4-Dichlorobenzene	12.66	146	413635	46.976	ug/l	100
89) n-Butylbenzene	12.93	91	1005994	43.920	ug/l	100
90) Hexachloroethane	13.00	117	250867	44.599	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	419161	47.815	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	36442	47.072	ug/l	100

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Quant Title : SW846 8260
QLast Update : Tue Oct 30 04:16:08 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	307343	43.804	ug/l	100
94) Hexachlorobutadiene	14.26	225	219179	42.391	ug/l	100
95) Naphthalene	14.53	128	581555	51.554	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	302475	46.800	ug/l	100

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

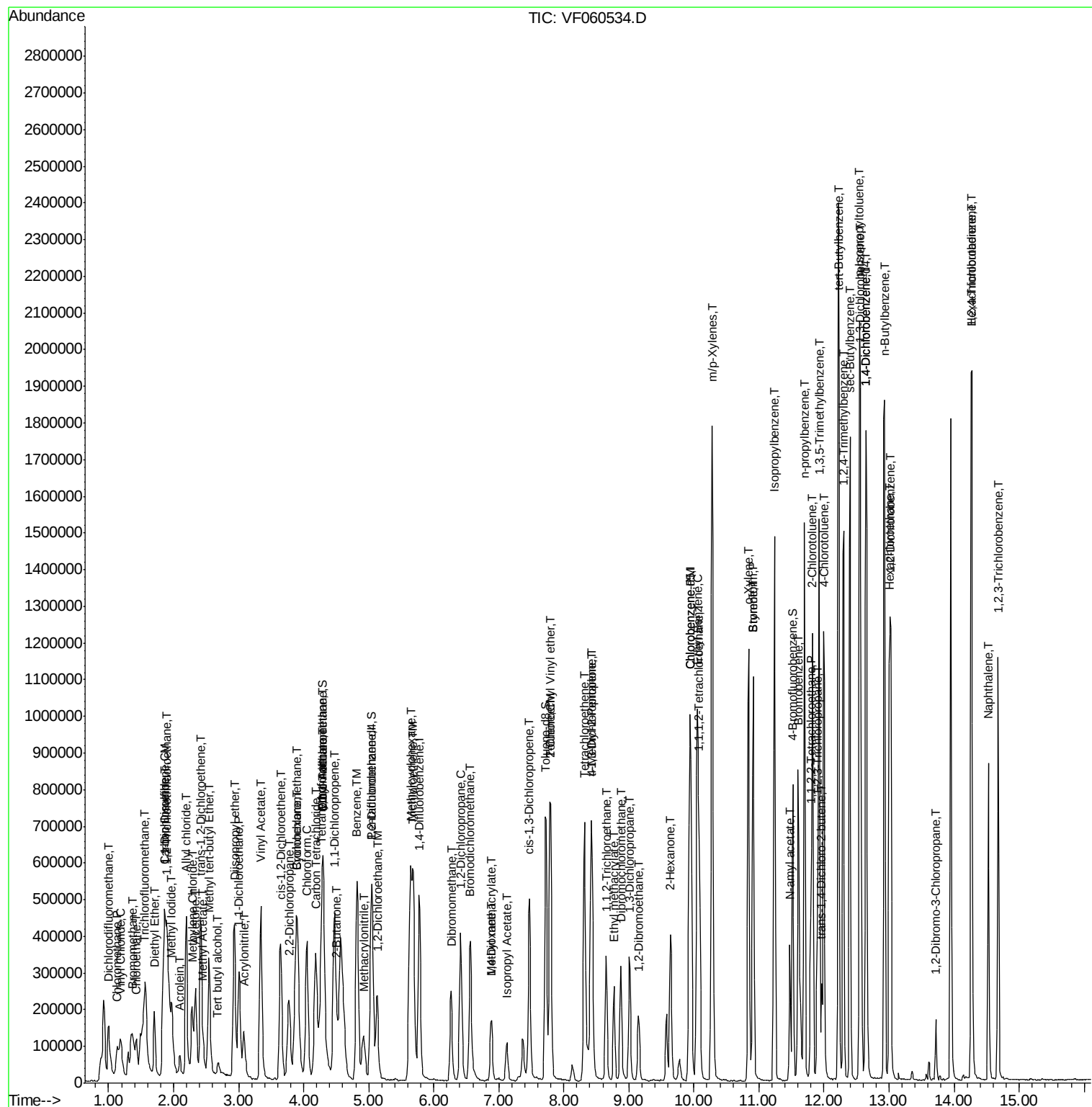
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF102918\
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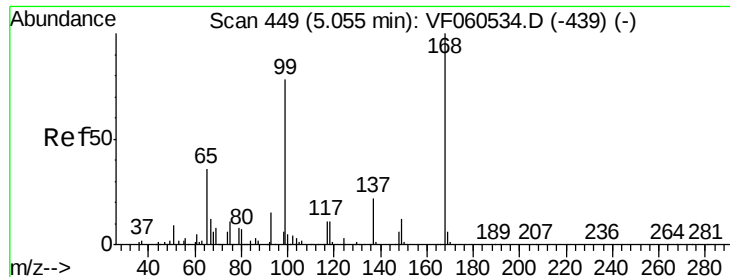
Instrument :
MSVOA_F
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VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 449

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 321038

Ion Ratio Lower Upper

168 100

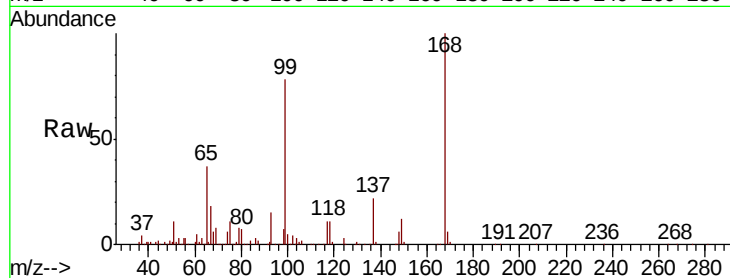
99 78.2 62.6 93.8

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

120000

100000

80000

60000

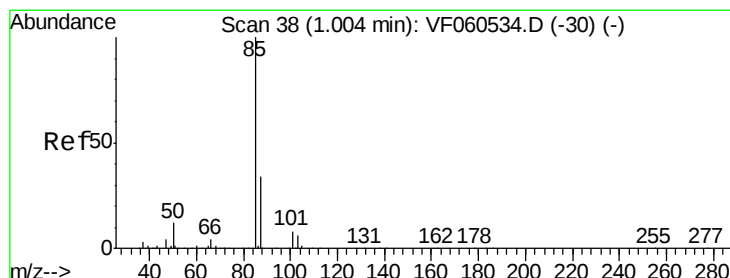
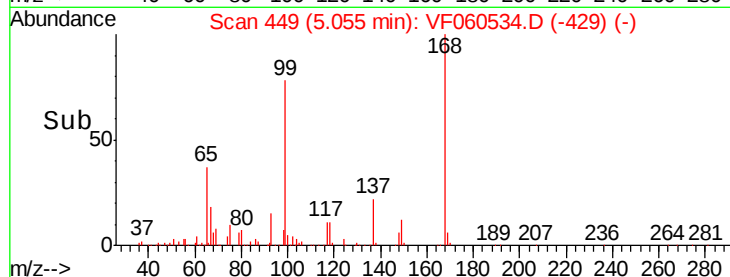
40000

20000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 30.033 ug/l

RT: 1.00 min Scan# 38

Delta R.T. 0.00 min

Lab File: VF060534.D

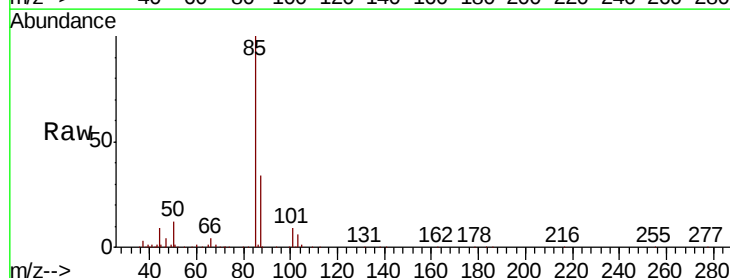
Acq: 29 Oct 2018 17:53

Tgt Ion: 85 Resp: 248555

Ion Ratio Lower Upper

85 100

87 33.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

80000

60000

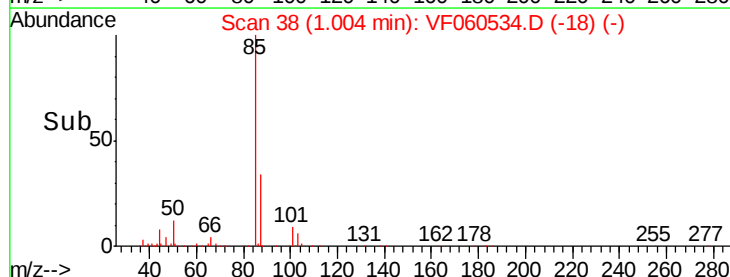
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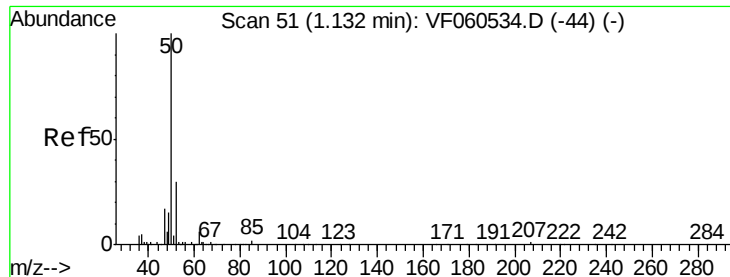
20000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 39.994 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 159416

Ion Ratio Lower Upper

50 100

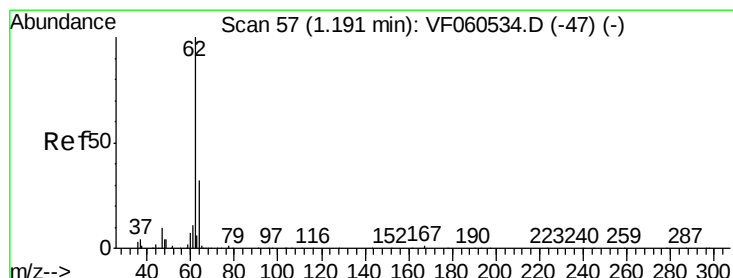
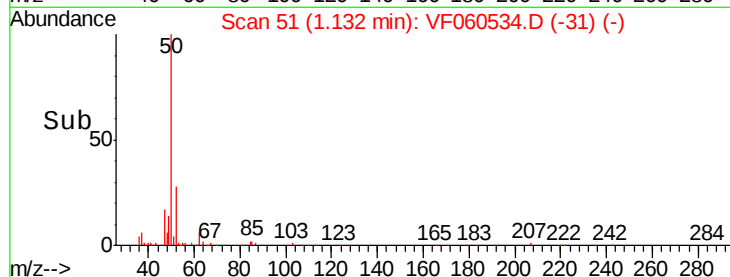
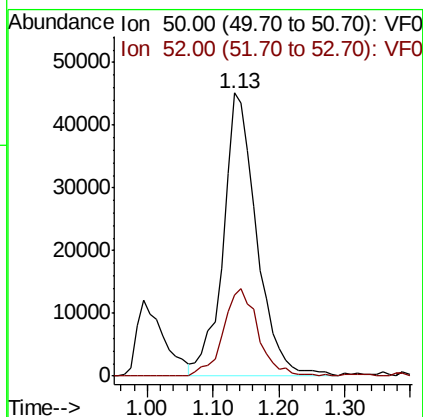
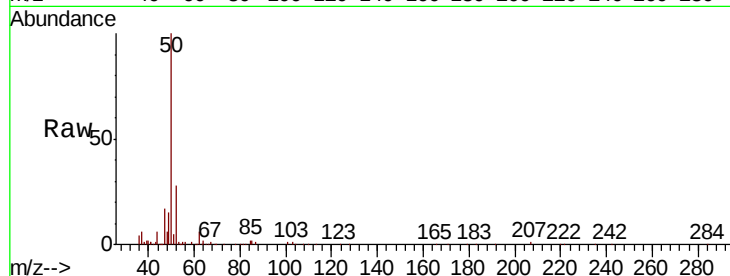
52 28.5 22.8 34.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 37.034 ug/l

RT: 1.19 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF060534.D

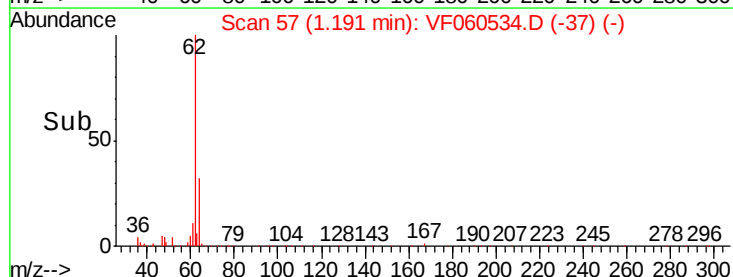
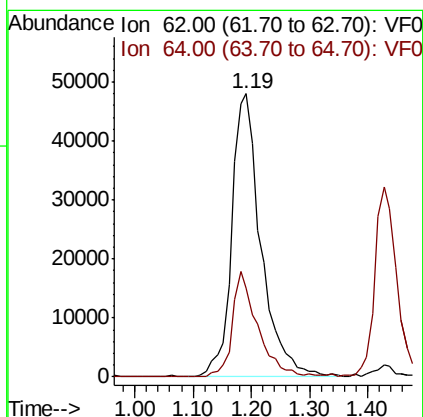
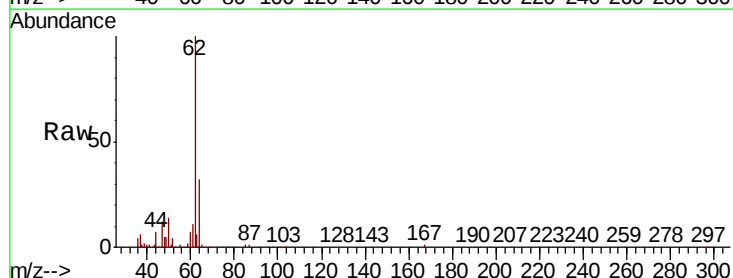
Acq: 29 Oct 2018 17:53

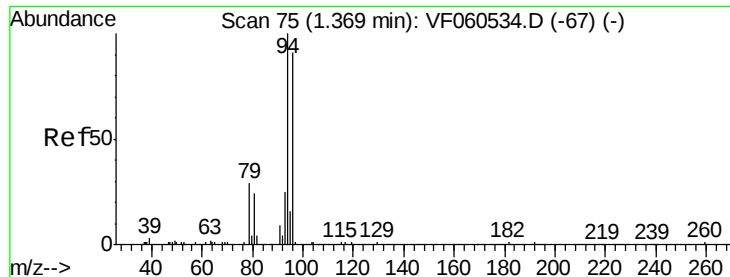
Tgt Ion: 62 Resp: 167138

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 30.636 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 135543

Ion Ratio Lower Upper

94 100

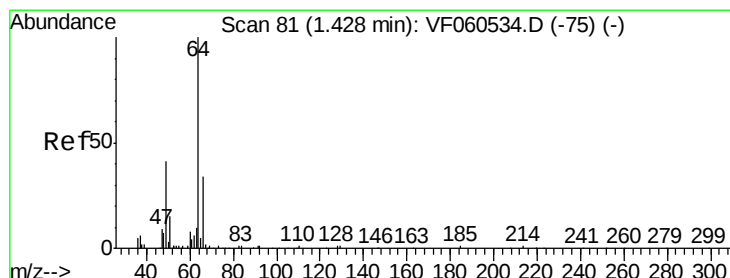
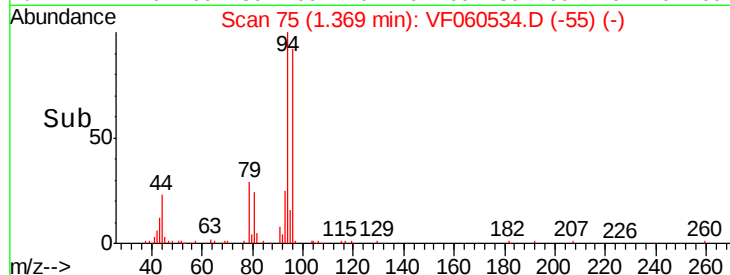
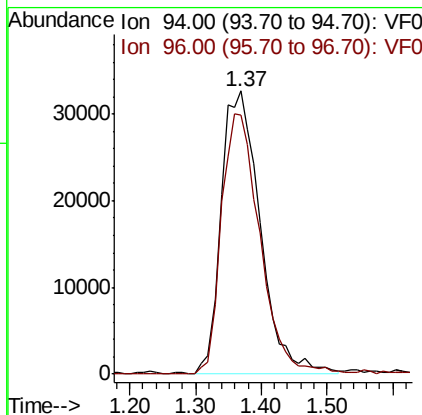
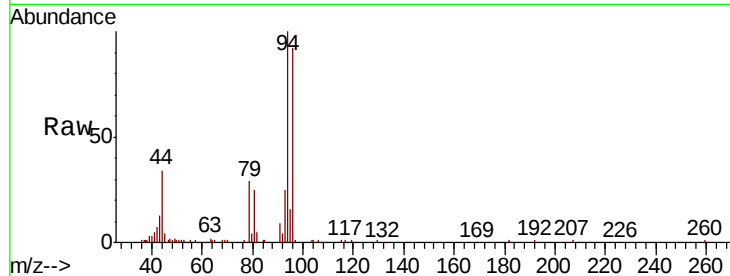
96 91.5 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 31.466 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060534.D

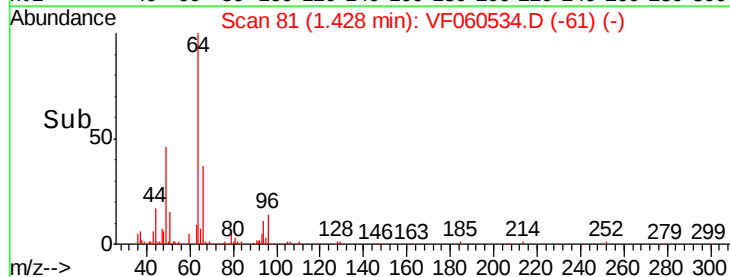
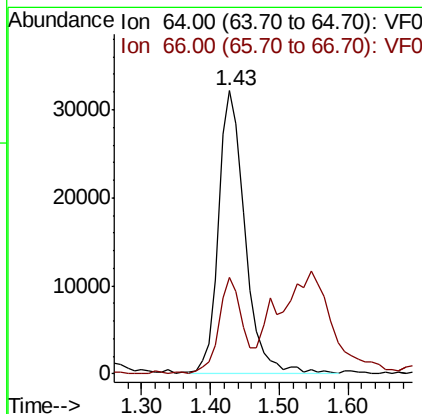
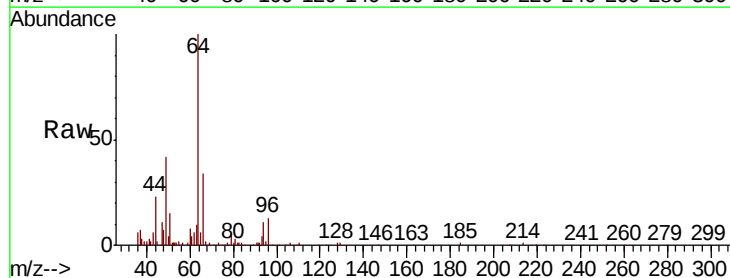
Acq: 29 Oct 2018 17:53

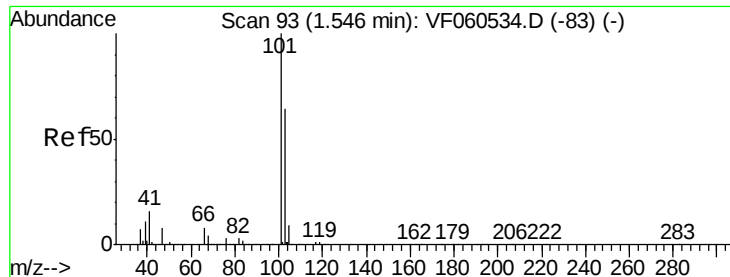
Tgt Ion: 64 Resp: 85967

Ion Ratio Lower Upper

64 100

66 33.9 27.1 40.7





#7

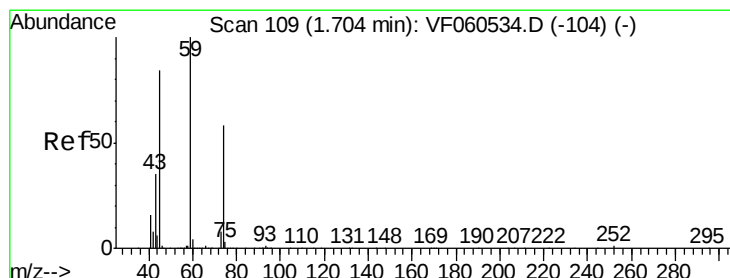
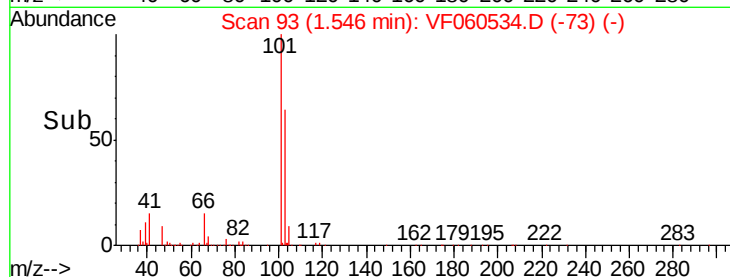
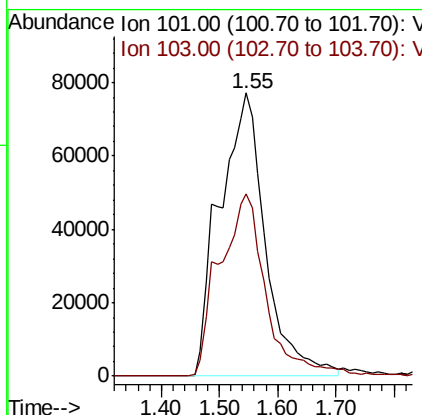
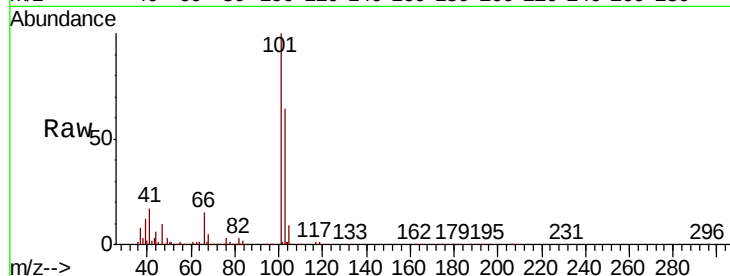
Trichlorofluoromethane
Concen: 30.346 ug/l
RT: 1.55 min Scan# 93
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

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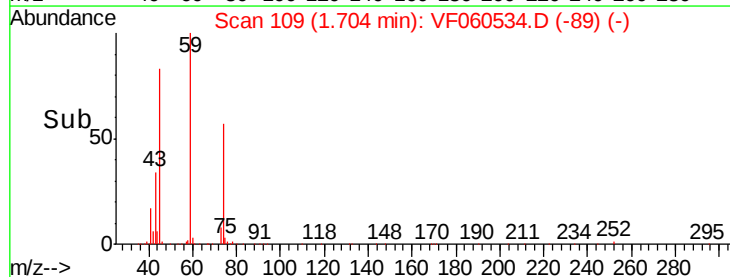
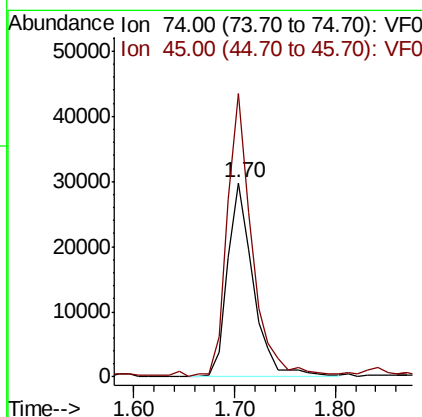
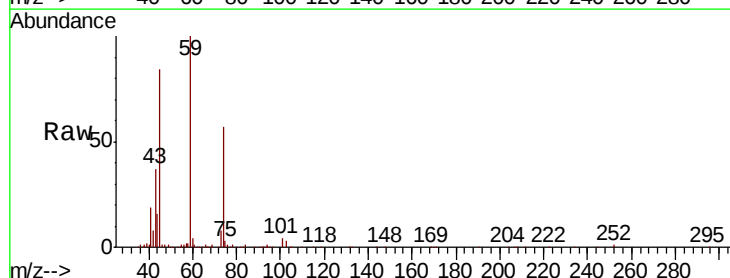
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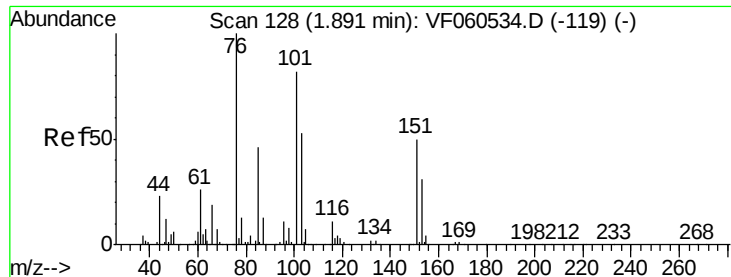


#8

Diethyl Ether
Concen: 39.216 ug/l
RT: 1.70 min Scan# 109
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	145.7	72.9	218.6





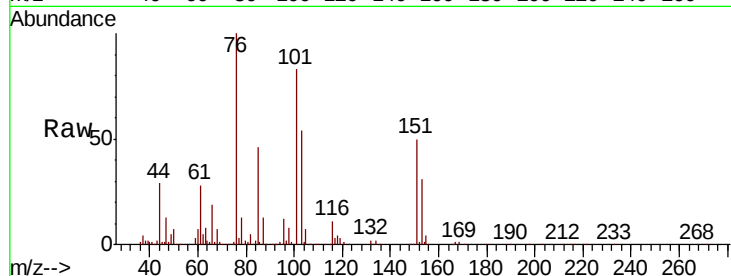
#9
1,1,2-Trichlorotrifluoroethane
Concen: 32.164 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	55.8	44.6	67.0
151	60.5	48.4	72.6

Manual Integrations
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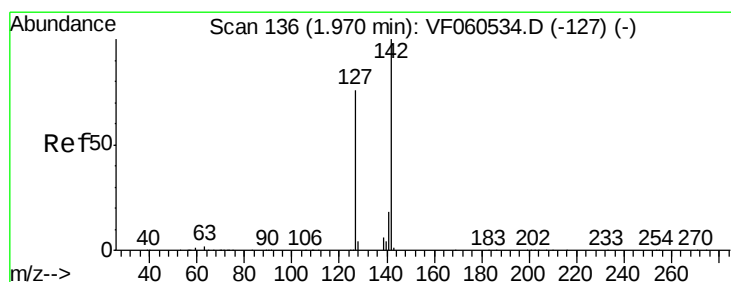
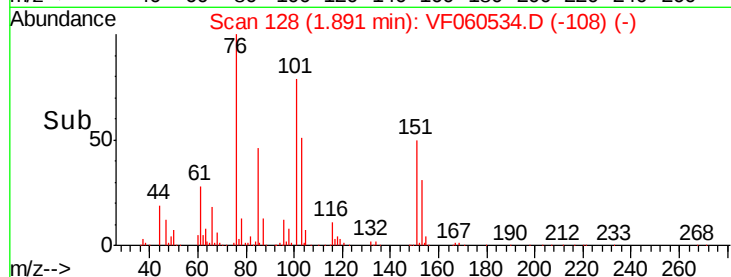
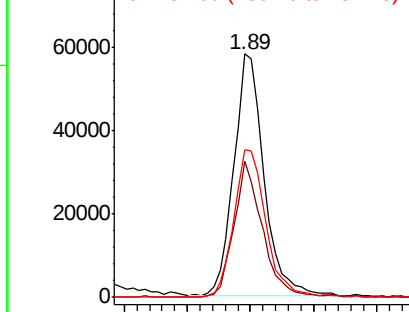


Abundance

Ion 101.00 (100.70 to 101.70): V

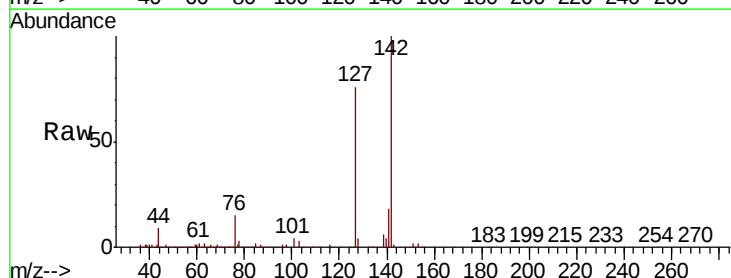
Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10
Methyl Iodide
Concen: 36.320 ug/l
RT: 1.97 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
127	76.5	61.2	91.8
141	17.5	14.0	21.0

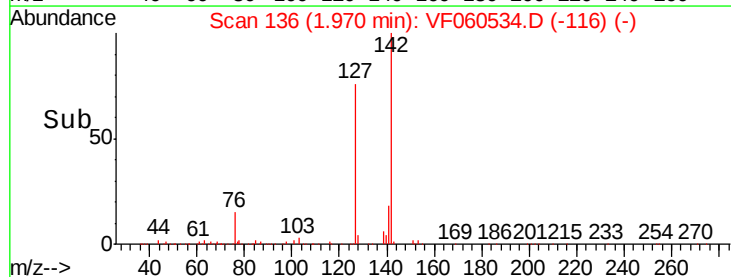
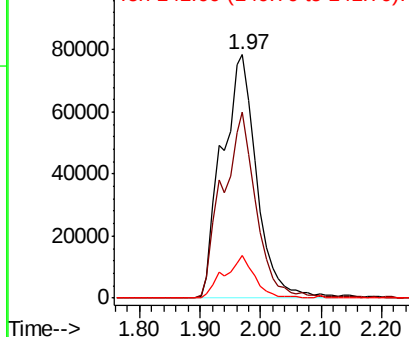


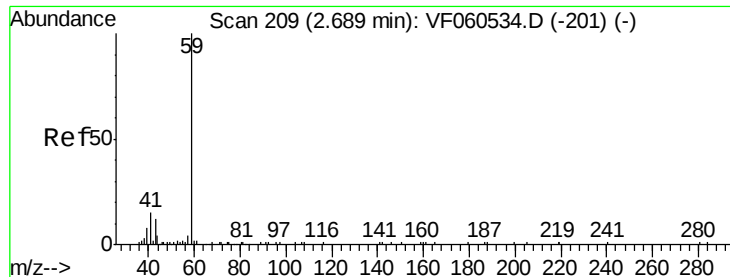
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

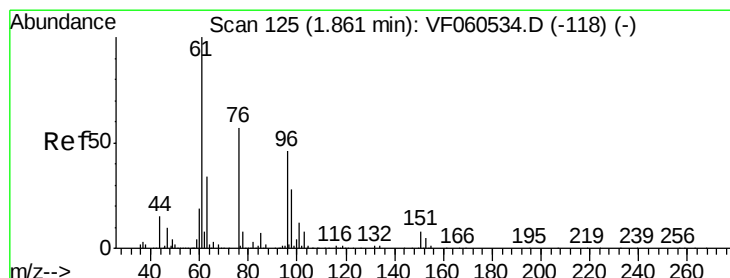
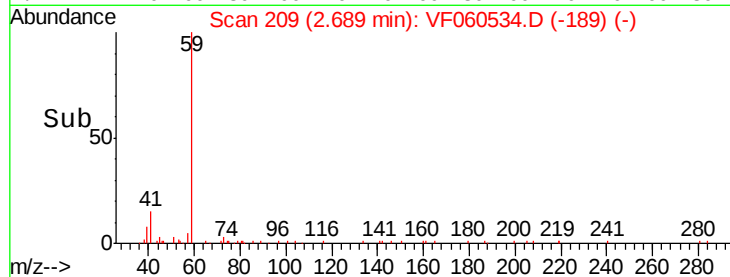
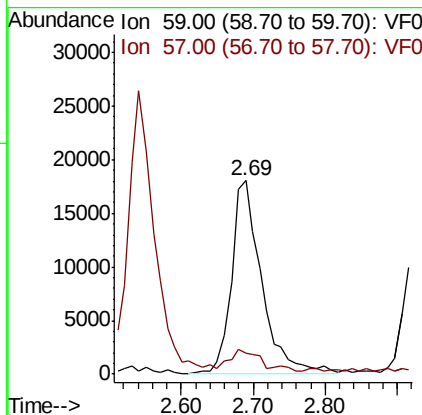
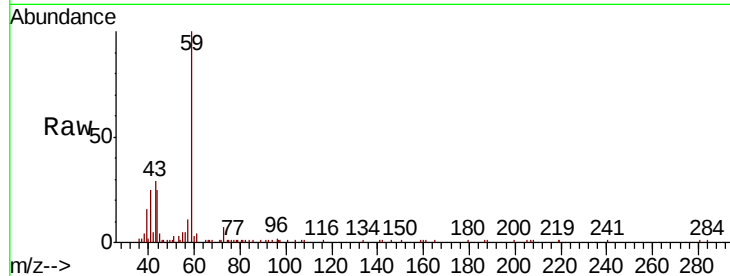
Tert butyl alcohol
Concen: 164.500 ug/l
RT: 2.69 min Scan# 209
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.9	13.3

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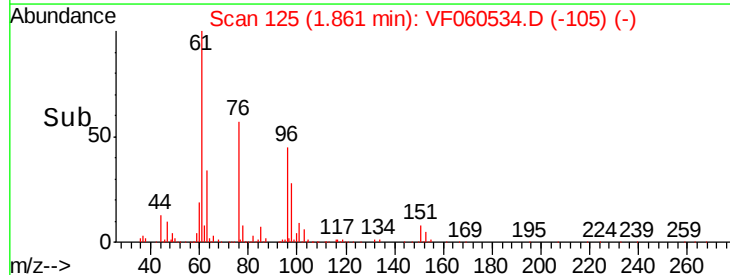
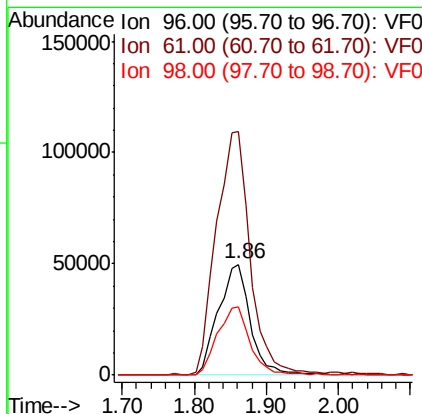
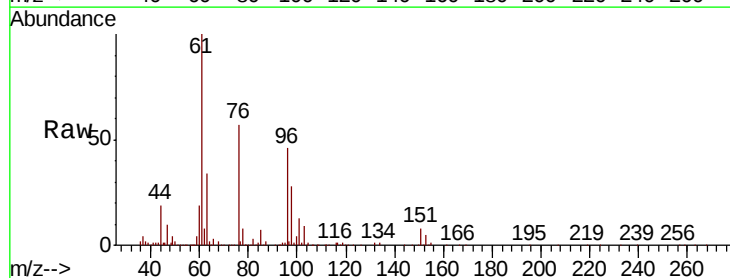
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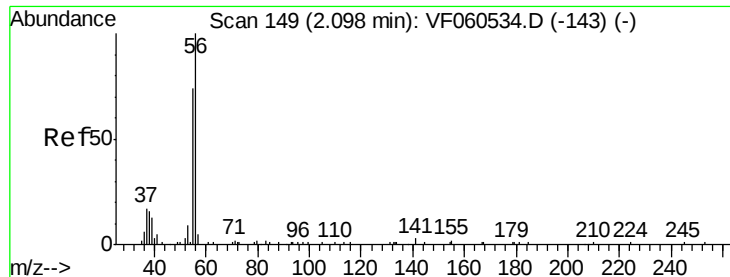


#12

1,1-Dichloroethene
Concen: 35.209 ug/l
RT: 1.86 min Scan# 125
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	219.3	175.4	263.2
98	61.1	48.9	73.3





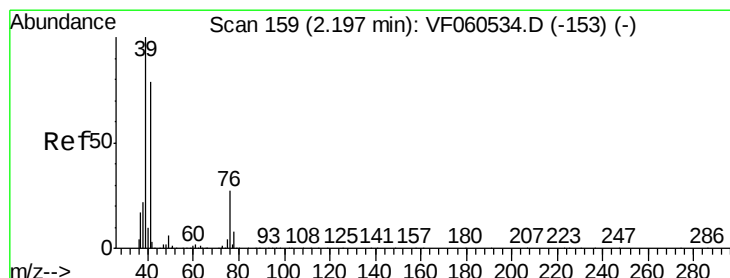
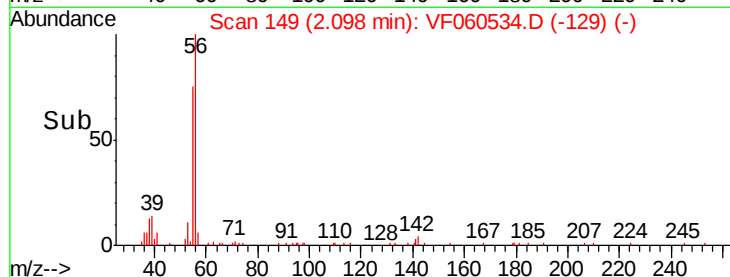
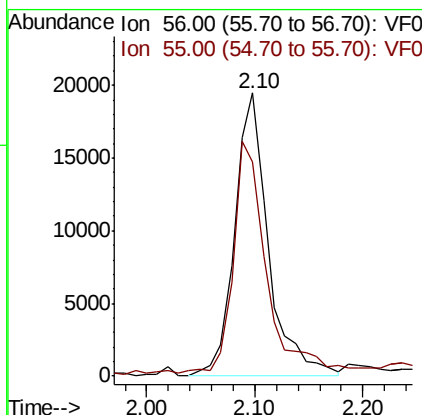
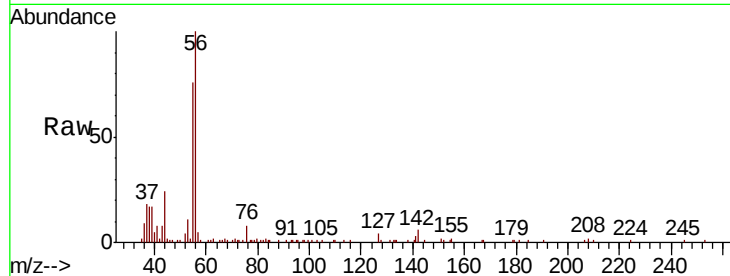
#13
Acrolein
Concen: 158.364 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	75.5	60.4	90.6

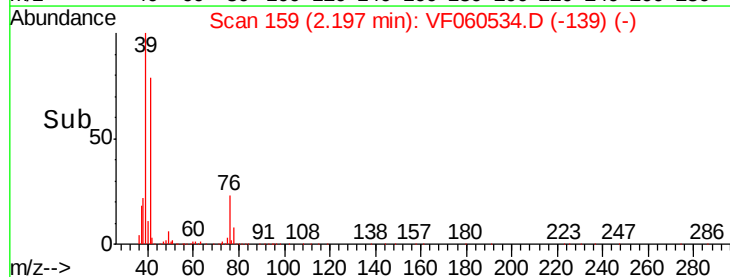
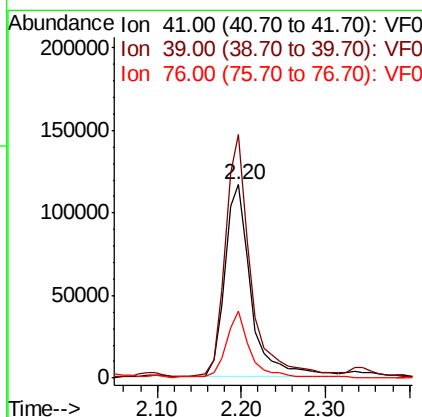
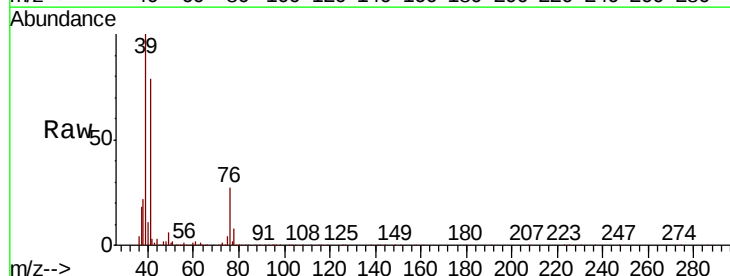
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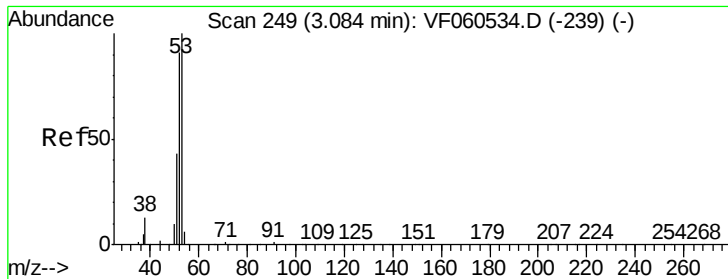
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#14
Allyl chloride
Concen: 36.134 ug/l
RT: 2.20 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	125.8	100.6	151.0
76	34.5	27.6	41.4





#15

Acrylonitrile

Concen: 217.752 ug/l

RT: 3.08 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

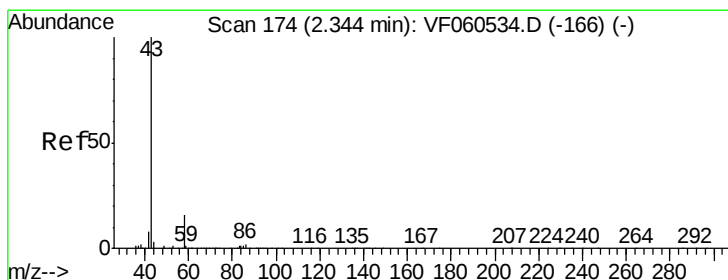
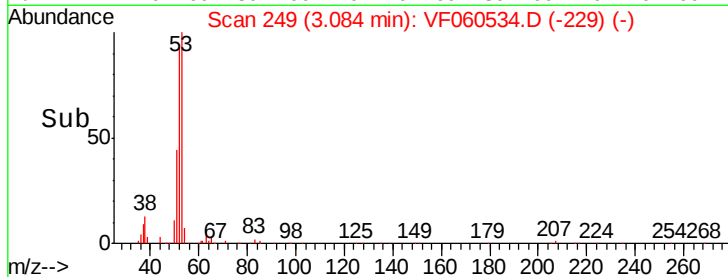
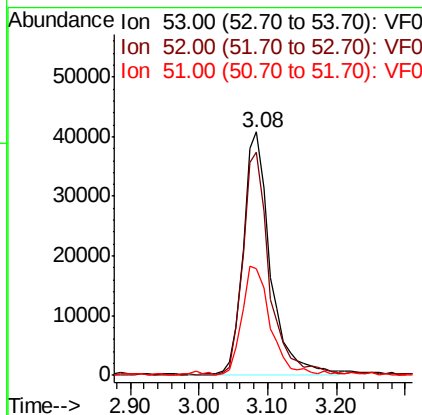
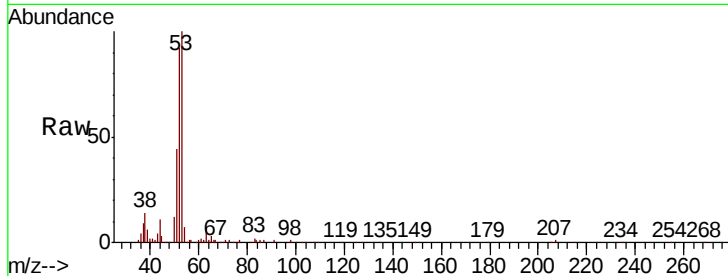
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	111961
Ion	Ratio	Lower	Upper
53	100		
52	91.5	73.2	109.8
51	43.7	35.0	52.4

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#16

Acetone

Concen: 166.602 ug/l

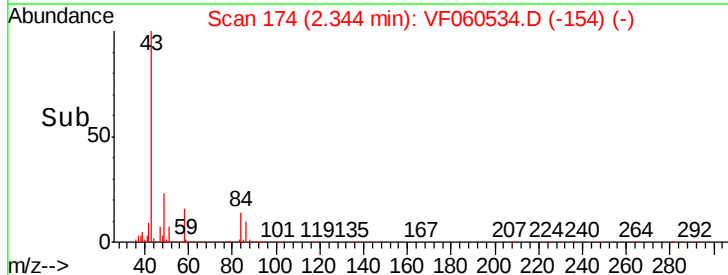
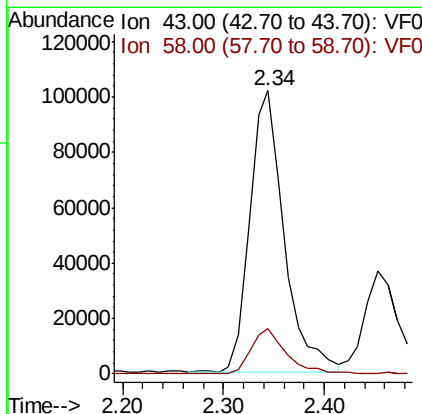
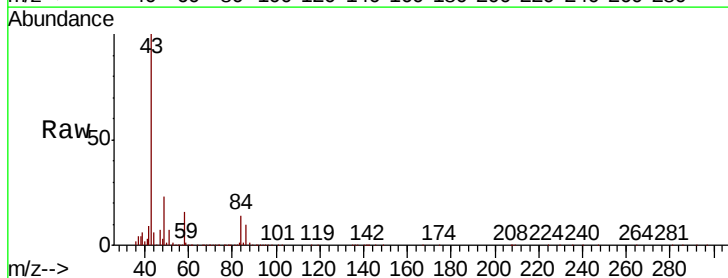
RT: 2.34 min Scan# 174

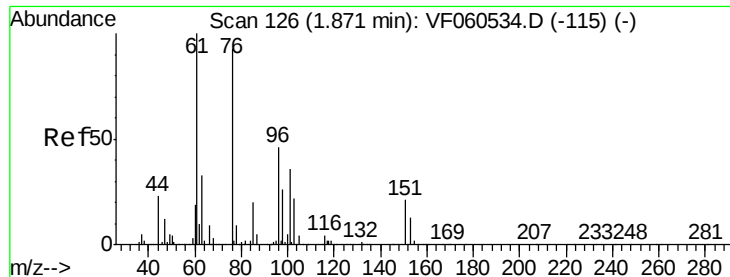
Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion:	43	Resp:	239872
Ion	Ratio	Lower	Upper
43	100		
58	16.0	12.8	19.2





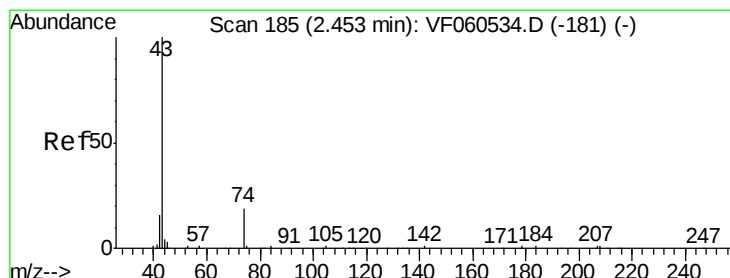
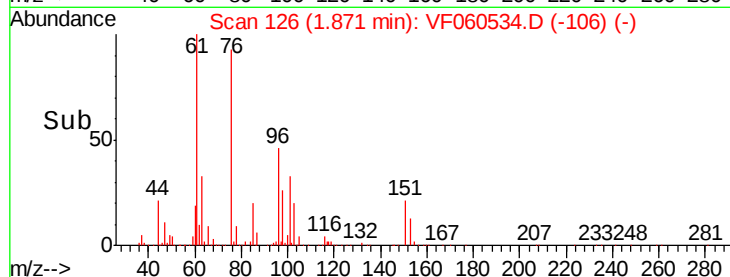
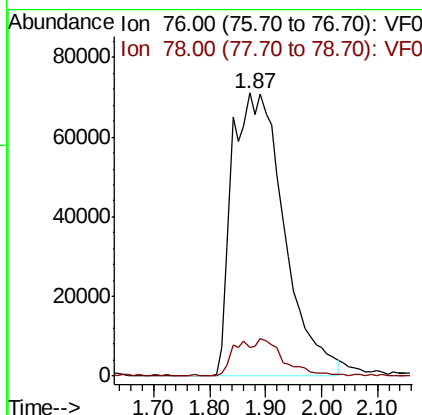
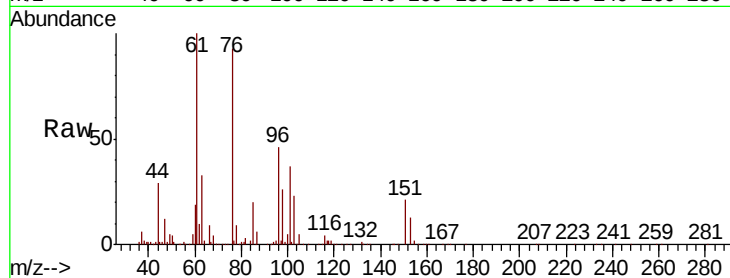
#17
Carbon Disulfide
Concen: 37.374 ug/l
RT: 1.87 min Scan# 126
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	8.0	12.0

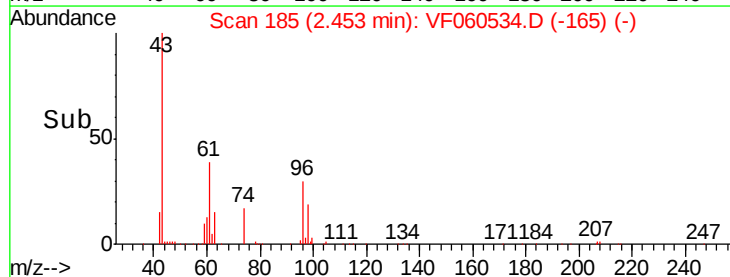
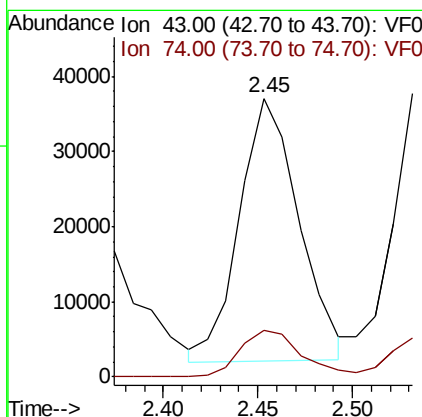
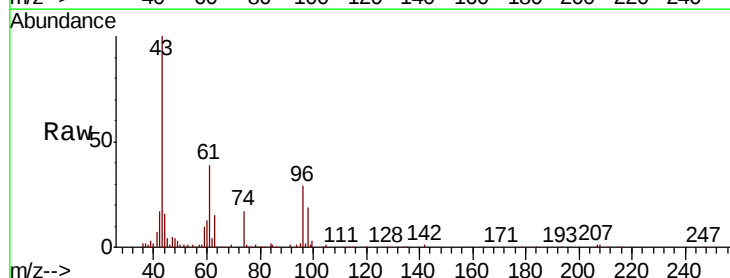
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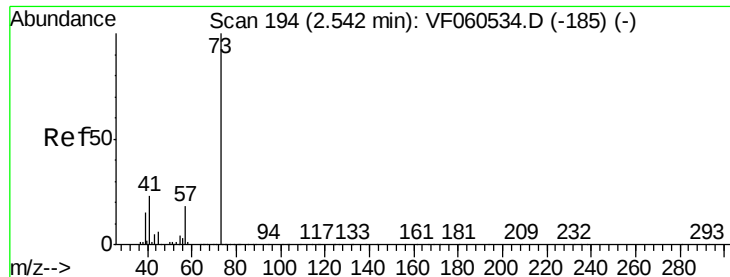
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#18
Methyl Acetate
Concen: 37.713 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.9	13.5	20.3





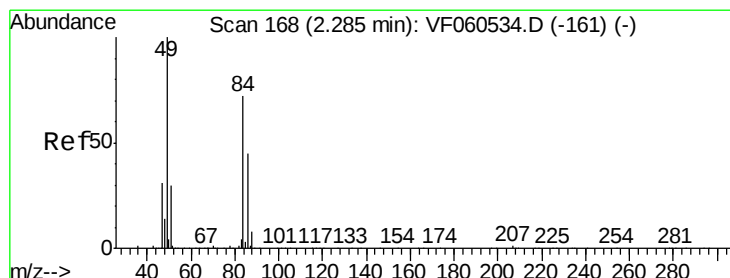
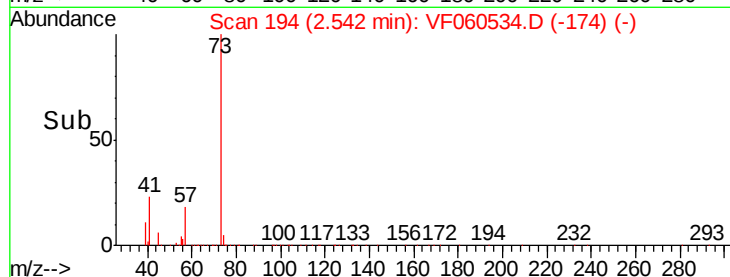
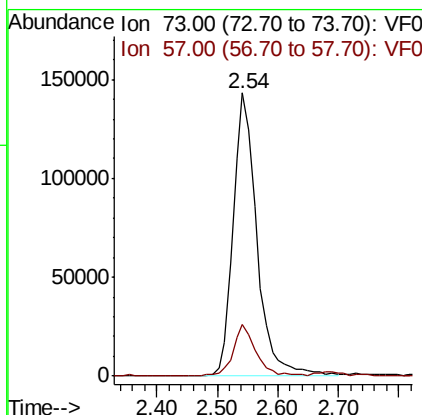
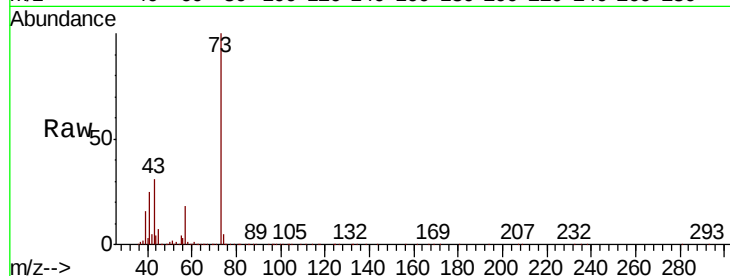
#19
Methvl tert-butvl Ether
Concen: 35.929 ug/l
RT: 2.54 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.4	14.7	22.1

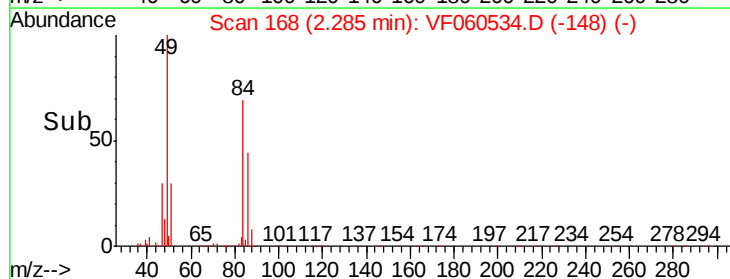
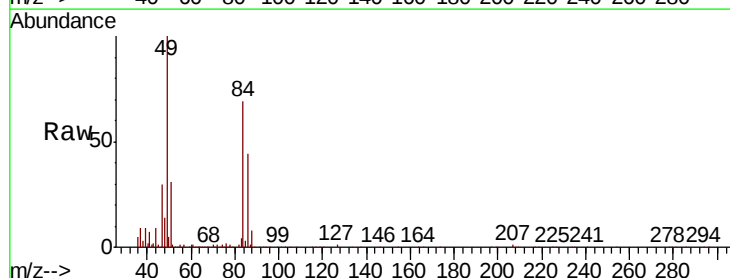
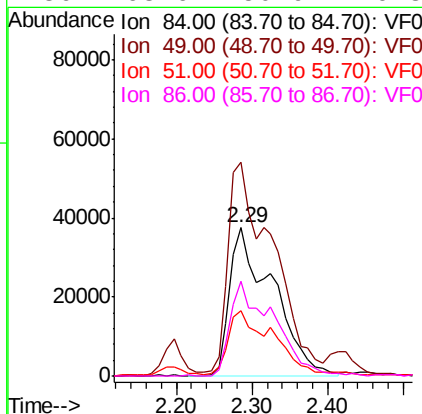
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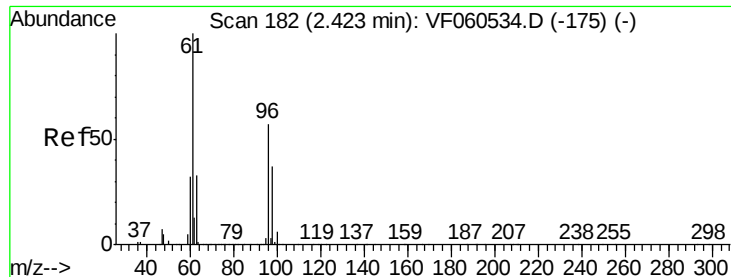
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#20
Methylene Chloride
Concen: 33.666 ug/l
RT: 2.29 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.2	115.4	173.0
51	44.3	35.4	53.2
86	63.6	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 38.211 ug/l

RT: 2.42 min Scan# 182

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

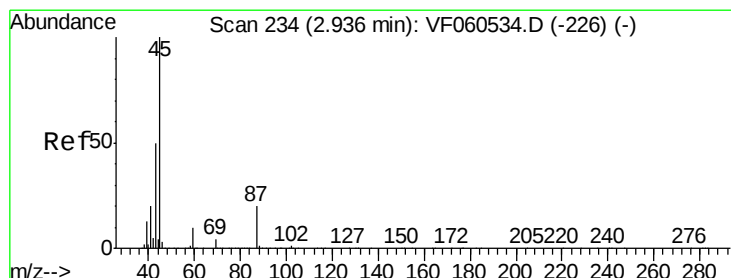
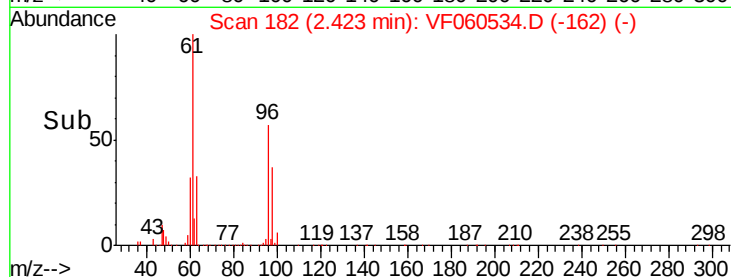
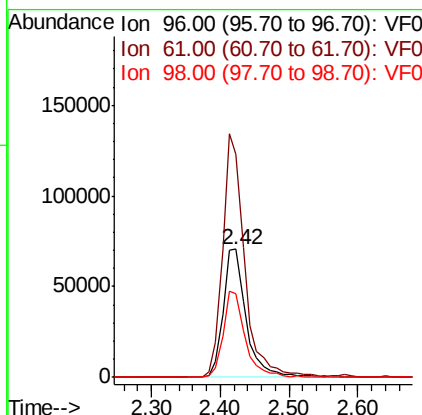
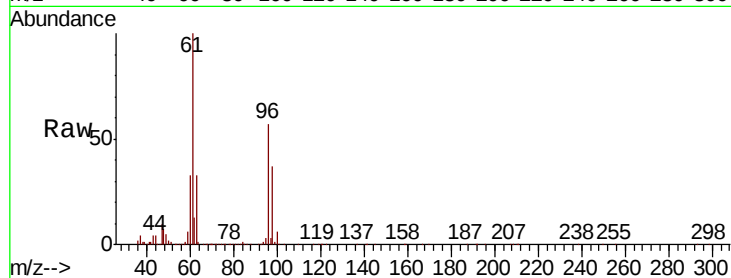
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	161968
Ion Ratio	Lower	Upper	
96	100		
61	174.7	139.8	209.6
98	65.3	52.2	78.4

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#22

Diisopropyl ether

Concen: 39.422 ug/l

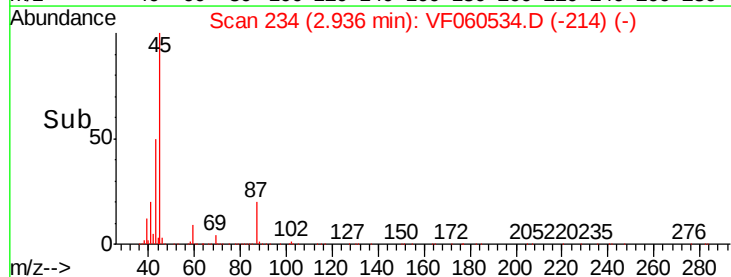
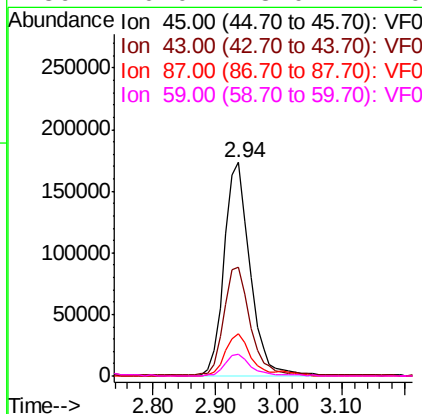
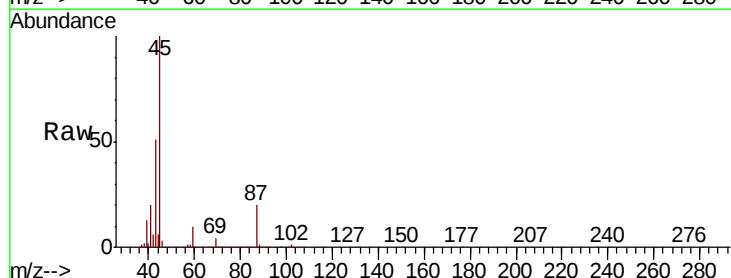
RT: 2.94 min Scan# 234

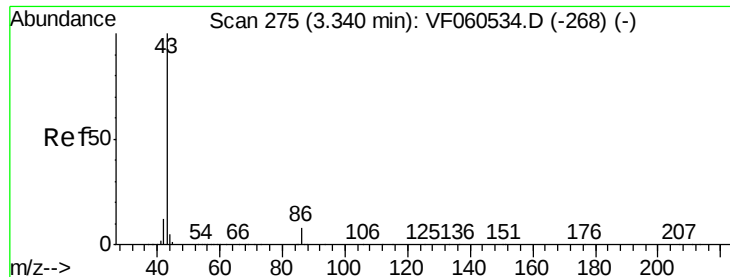
Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion:	45	Resp:	493113
Ion Ratio	Lower	Upper	
45	100		
43	50.7	40.6	60.8
87	19.9	15.9	23.9
59	10.0	8.0	12.0





#23

Vinyl Acetate

Concen: 237.600 ug/l

RT: 3.34 min Scan# 275

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 972667

Ion Ratio Lower Upper

43 100

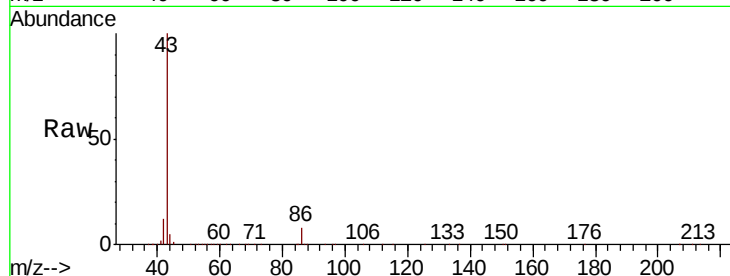
86 7.7 6.2 9.2

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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

400000

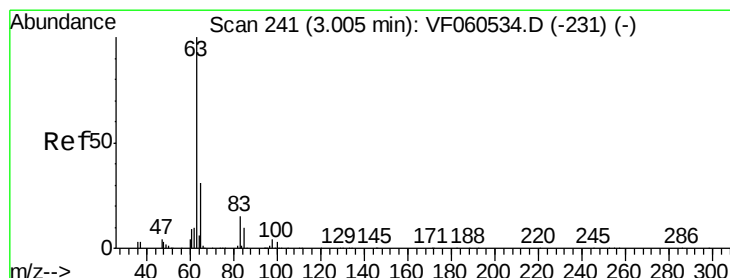
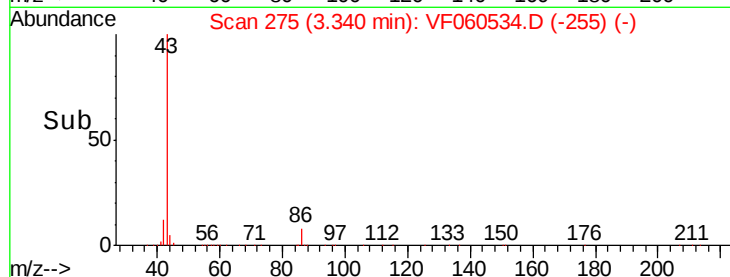
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 35.211 ug/l

RT: 3.00 min Scan# 241

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

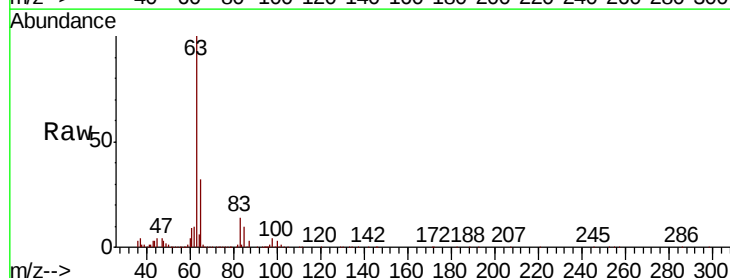
Tgt Ion: 63 Resp: 331075

Ion Ratio Lower Upper

63 100

98 4.0 2.0 6.0

100 2.7 1.4 4.0



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

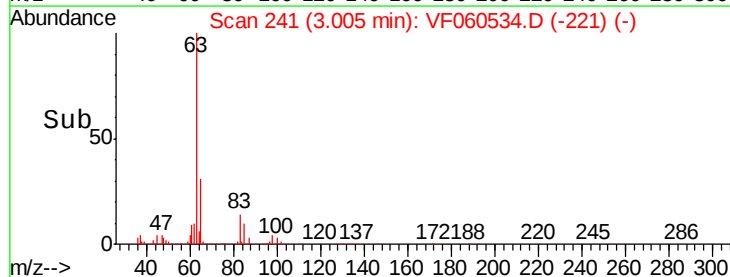
150000

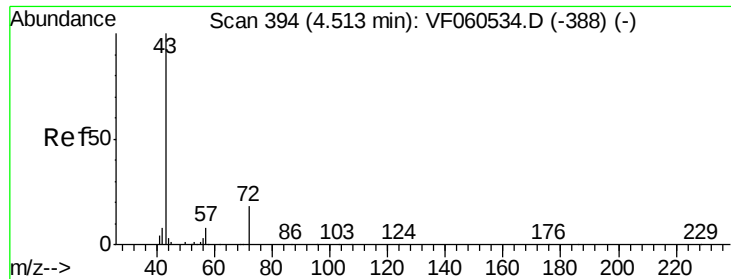
100000

50000

0

Time-->





#25

2-Butanone

Concen: 248.149 ug/l

RT: 4.51 min Scan# 394

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 286700

Ion Ratio Lower Upper

43 100

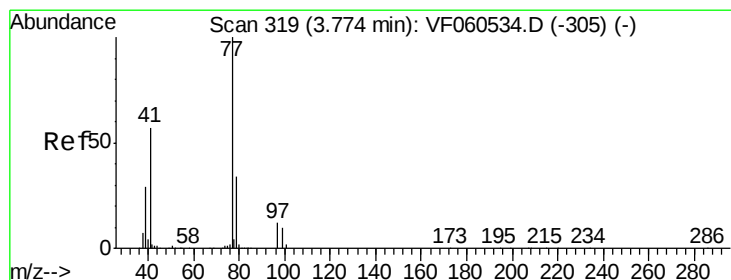
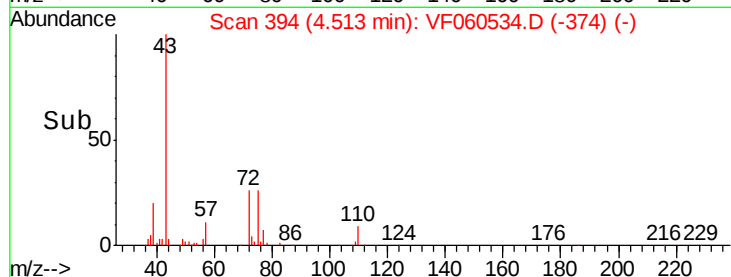
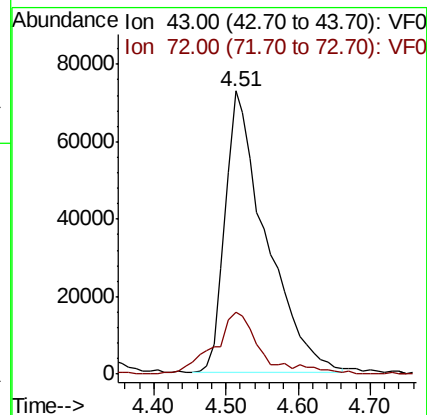
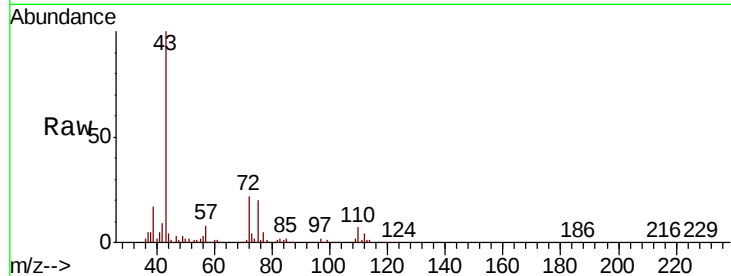
72 21.7 17.4 26.0

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#26

2,2-Dichloropropane

Concen: 37.273 ug/l

RT: 3.77 min Scan# 319

Delta R.T. 0.00 min

Lab File: VF060534.D

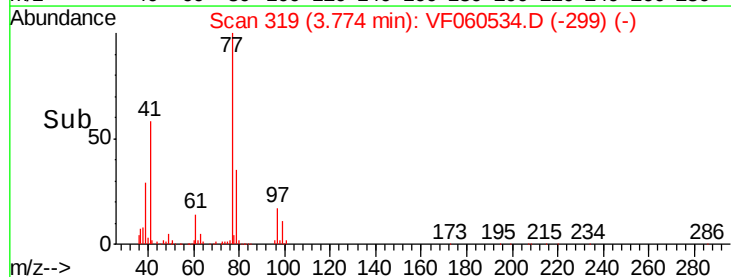
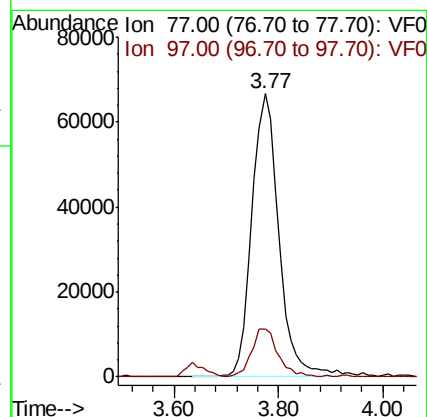
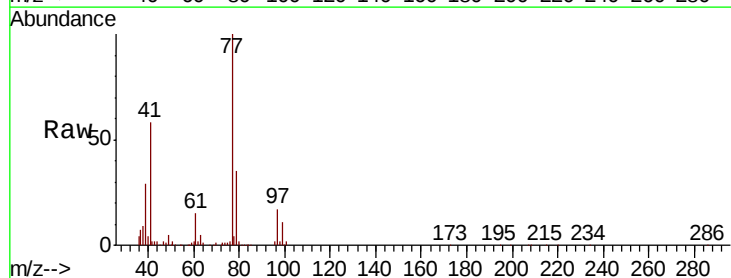
Acq: 29 Oct 2018 17:53

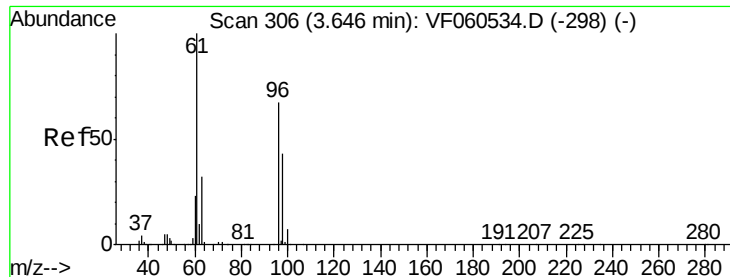
Tgt Ion: 77 Resp: 233134

Ion Ratio Lower Upper

77 100

97 17.0 8.5 25.5





#27

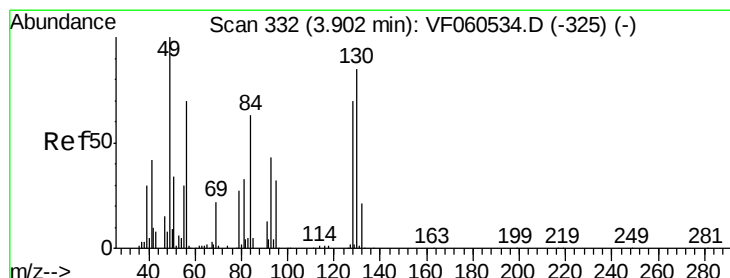
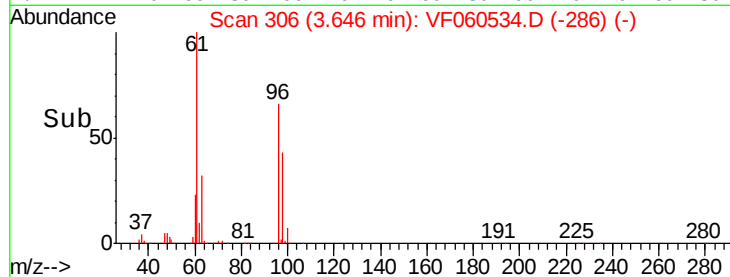
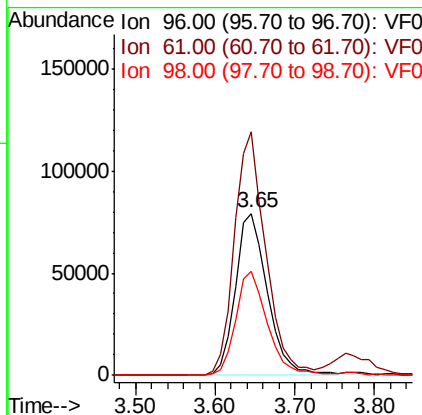
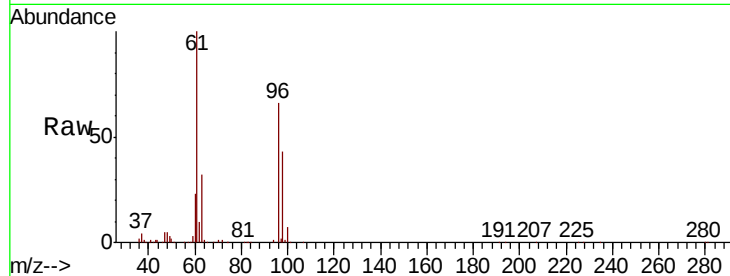
cis-1,2-Dichloroethene
Concen: 52.674 ug/l
RT: 3.65 min Scan# 306
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		221901		
61	150.4	0.0	300.8		
98	64.2	0.0	128.4		

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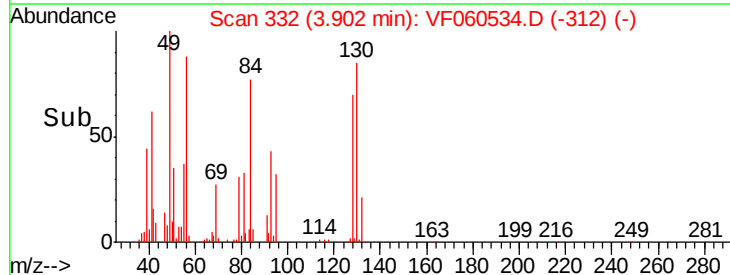
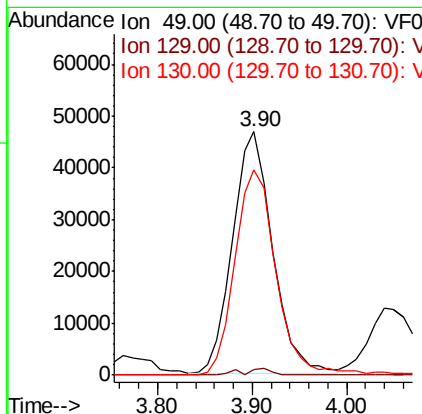
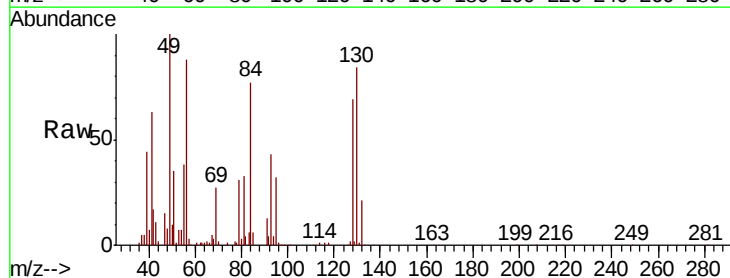
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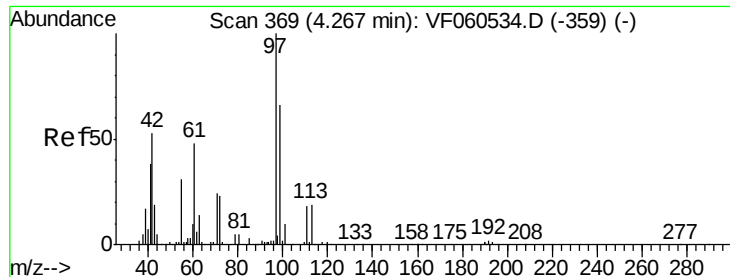


#28

Bromochloromethane
Concen: 47.281 ug/l
RT: 3.90 min Scan# 332
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		138046		
129	2.4	0.0	4.8		
130	84.4	67.5	101.3		





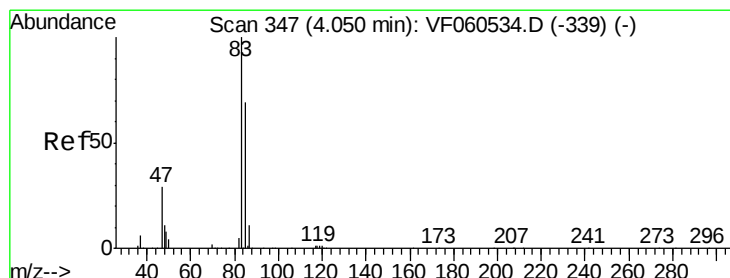
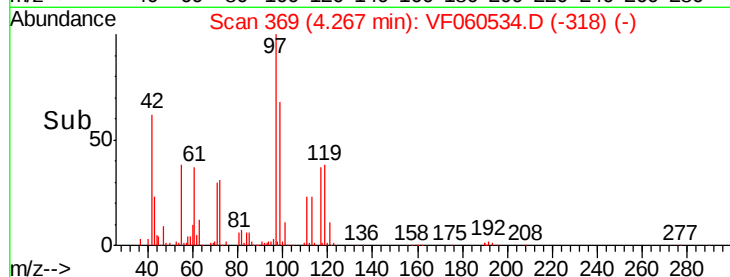
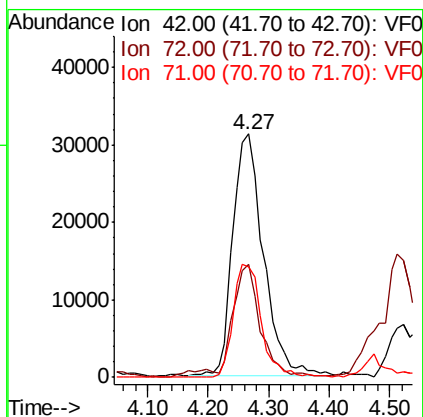
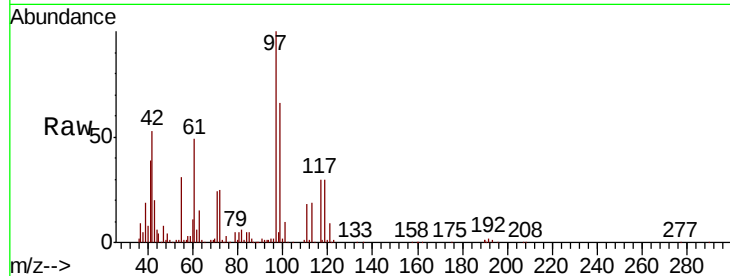
#29
Tetrahydrofuran
Concen: 243.551 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.5	48.7
71	43.1	34.5	51.7

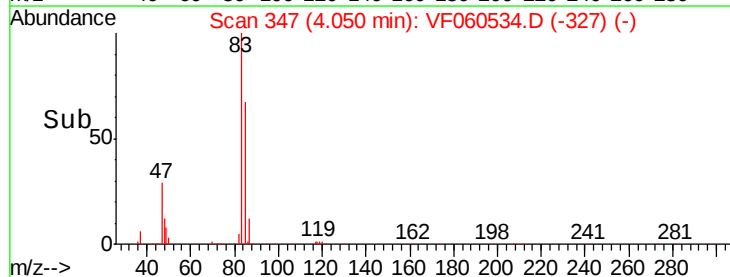
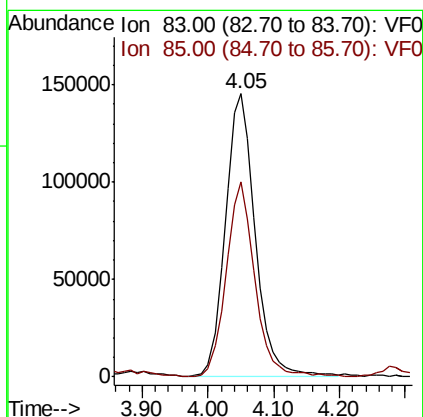
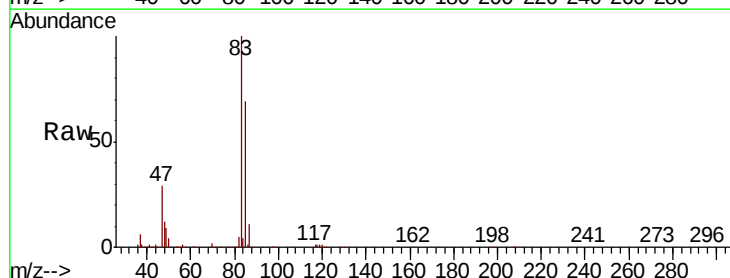
Manual Integrations
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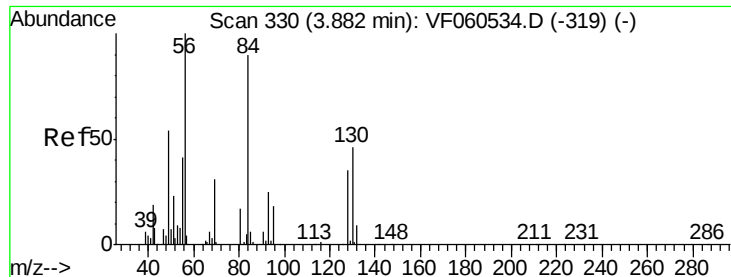
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#30
Chloroform
Concen: 41.401 ug/l
RT: 4.05 min Scan# 347
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.7	55.0	82.4





#31

Cyclohexane

Concen: 50.821 ug/l

RT: 3.88 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

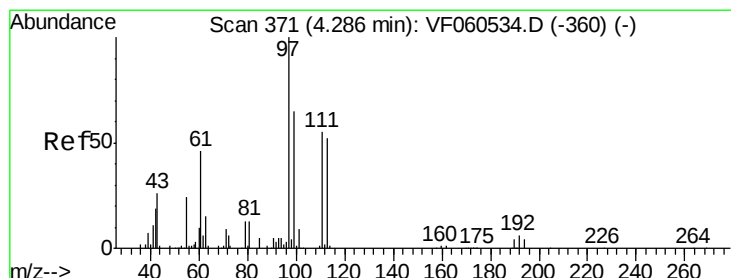
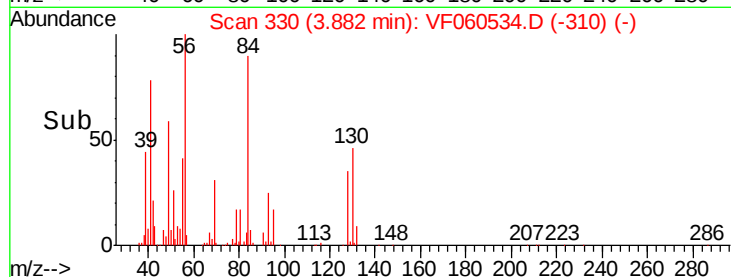
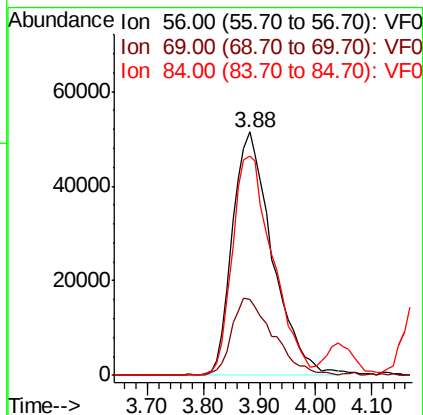
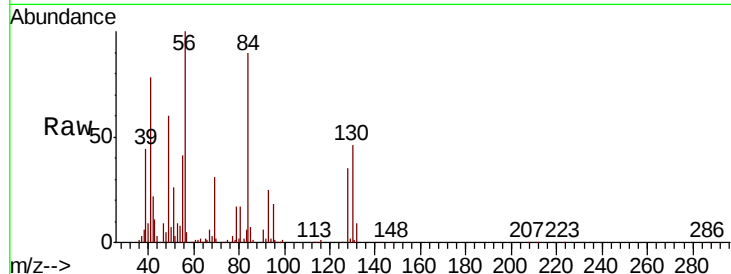
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	254219
Ion Ratio	Lower	Upper	
56	100		
69	31.3	25.0	37.6
84	90.1	72.1	108.1

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#32

1,1,1-Trichloroethane

Concen: 38.351 ug/l

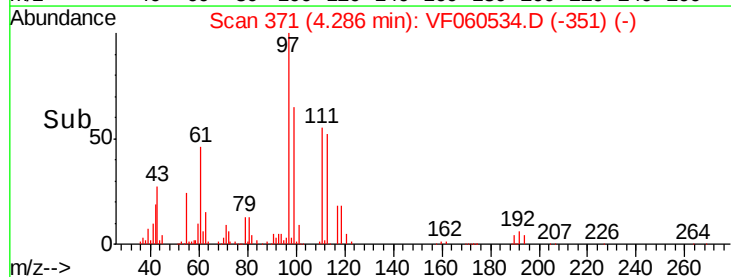
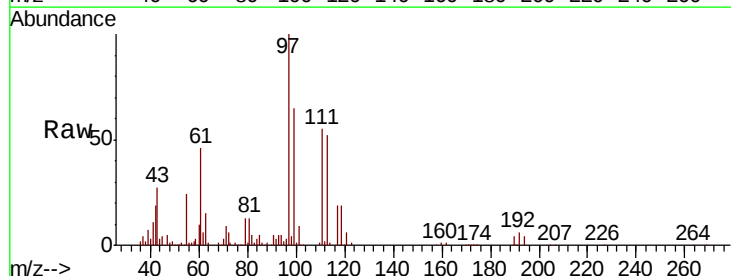
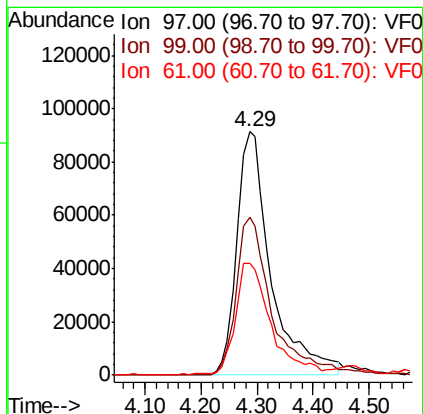
RT: 4.29 min Scan# 371

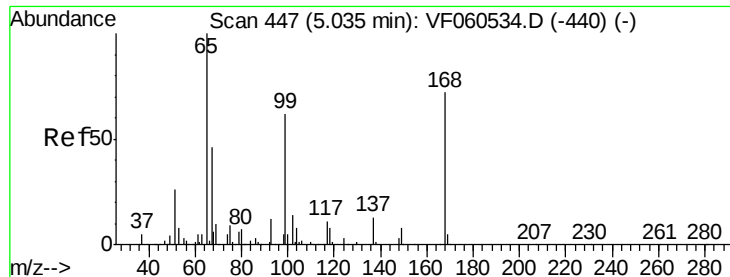
Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion:	97	Resp:	387246
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.7	77.5
61	46.0	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 40.639 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 249838

Ion Ratio Lower Upper

65 100

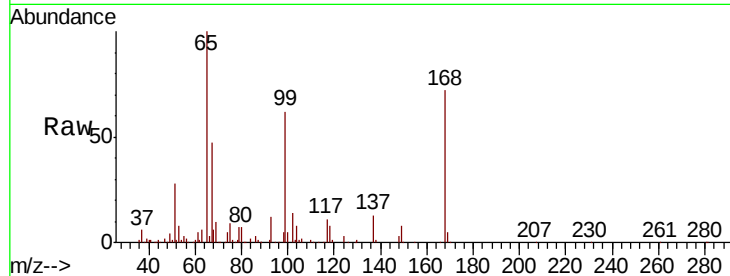
67 47.2 0.0 94.4

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.04

100000

80000

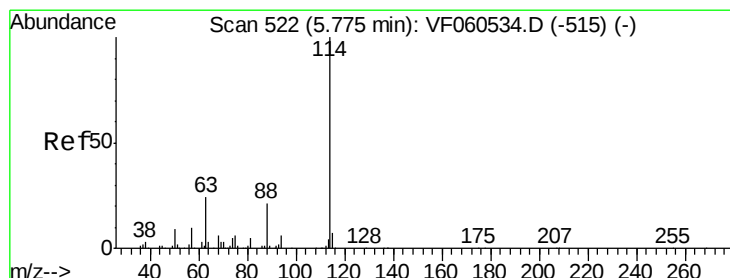
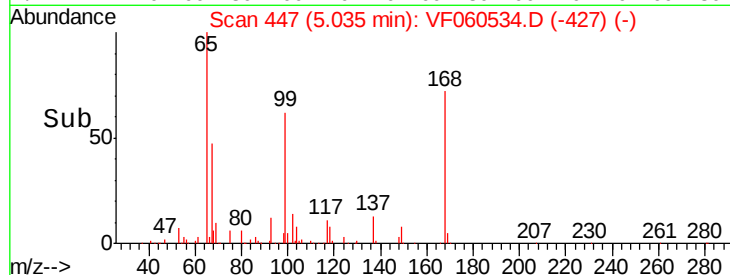
60000

40000

20000

0

Time--> 4.90 5.00 5.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

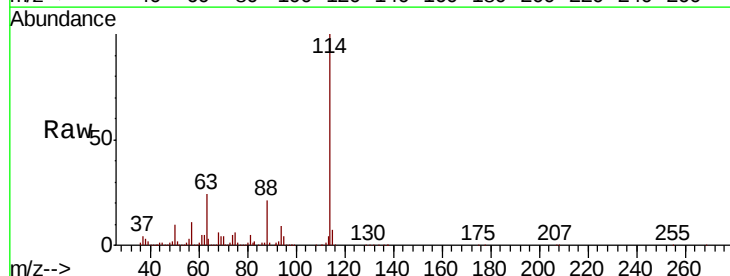
Tgt Ion:114 Resp: 519129

Ion Ratio Lower Upper

114 100

63 24.0 0.0 48.0

88 21.0 0.0 42.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

250000

200000

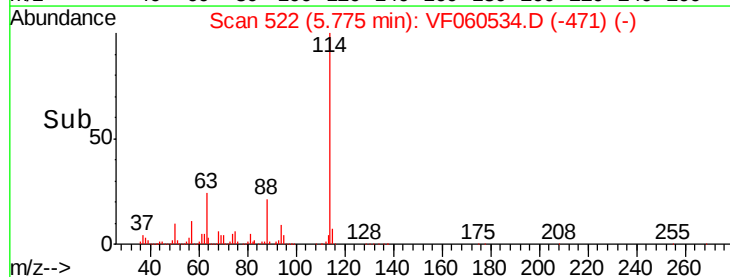
150000

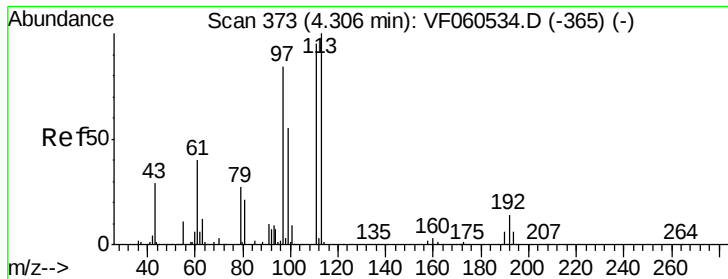
100000

50000

0

Time--> 5.70 5.80 5.90





#35

Dibromofluoromethane

Concen: 40.151 ug/l

RT: 4.31 min Scan# 373

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

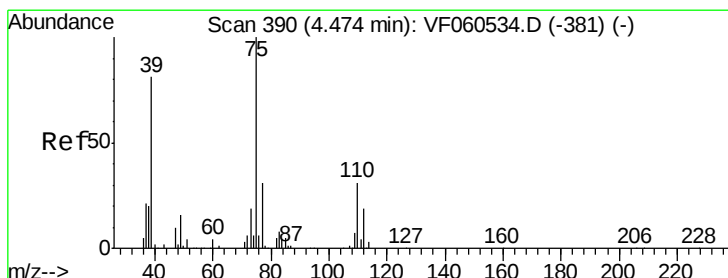
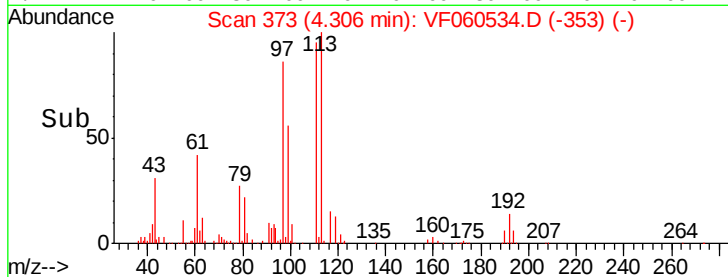
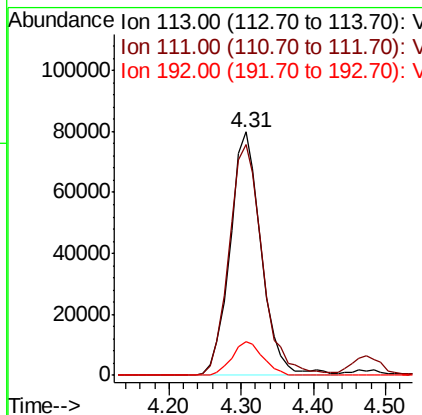
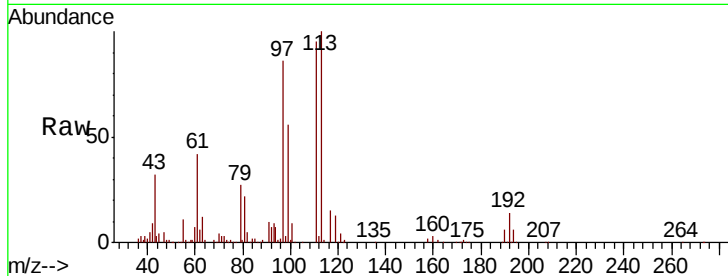
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	241289
Ion Ratio	Lower	Upper	
113	100		
111	94.9	75.9	113.9
192	14.0	11.2	16.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 41.513 ug/l

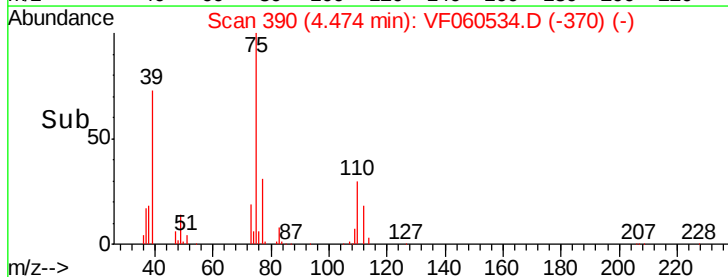
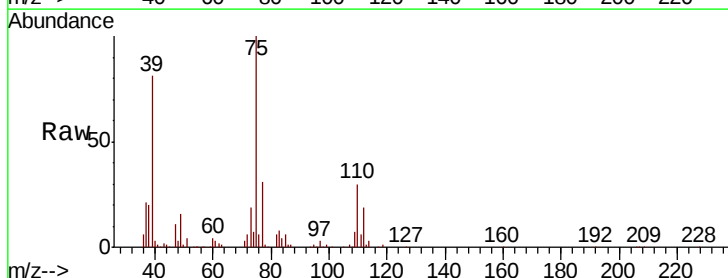
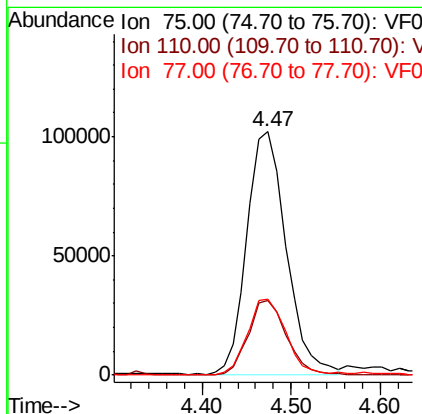
RT: 4.47 min Scan# 390

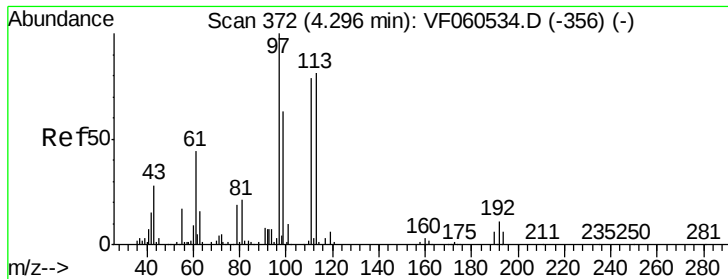
Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion:	75	Resp:	312612
Ion Ratio	Lower	Upper	
75	100		
110	30.5	15.3	45.8
77	31.0	24.8	37.2





#37

Ethyl Acetate

Concen: 41.538 ug/l

RT: 4.30 min Scan# 372

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

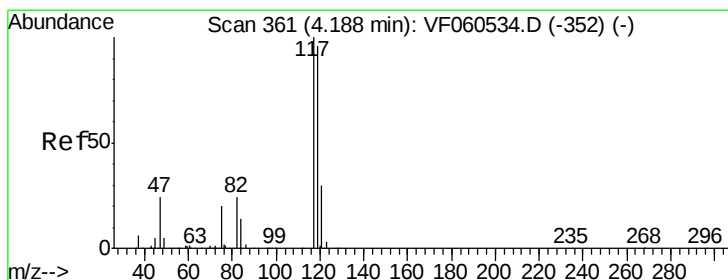
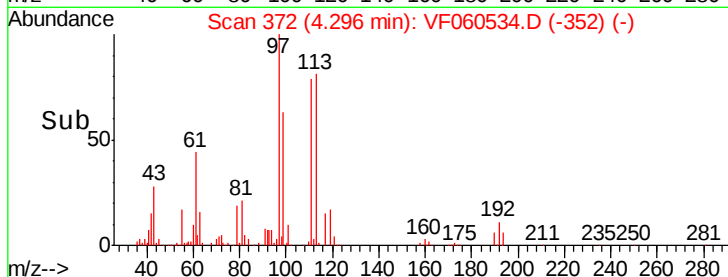
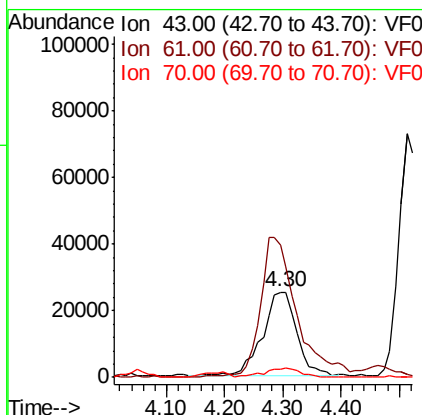
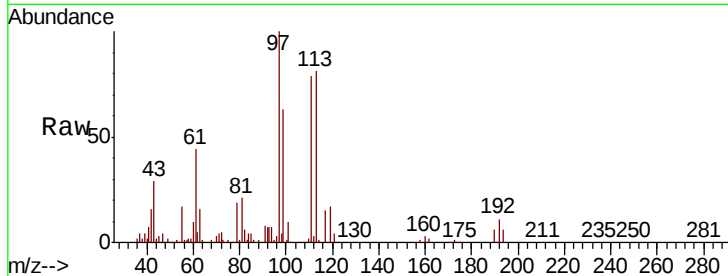
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	103180
Ion	Ratio	Lower	Upper
43	100		
61	154.9	123.9	185.9
70	9.1	7.3	10.9

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#38

Carbon Tetrachloride

Concen: 34.224 ug/l m

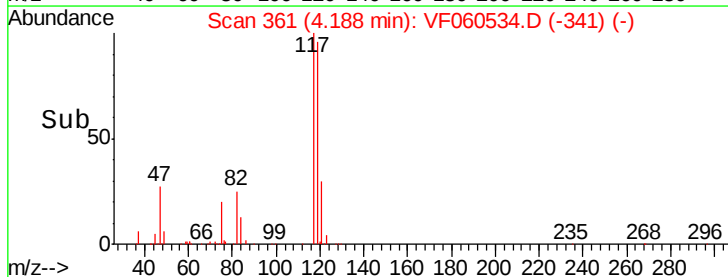
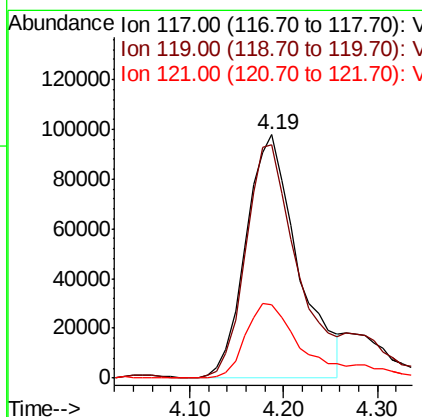
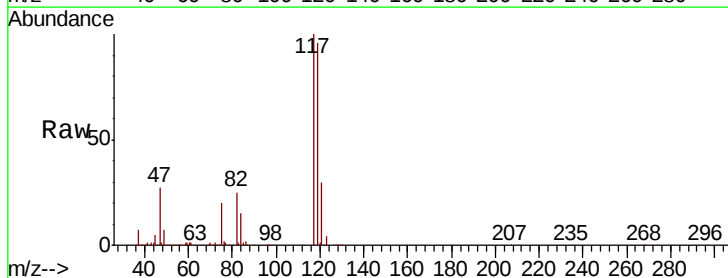
RT: 4.19 min Scan# 361

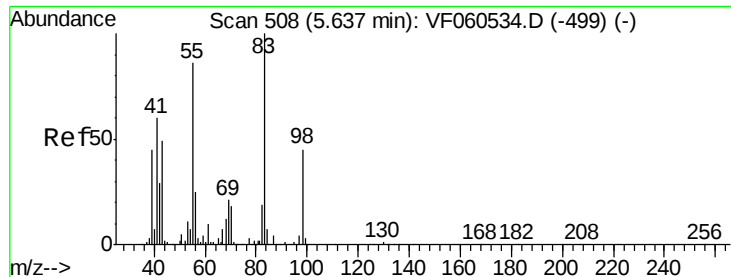
Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion:	117	Resp:	375185
Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
121	30.4	24.3	36.5





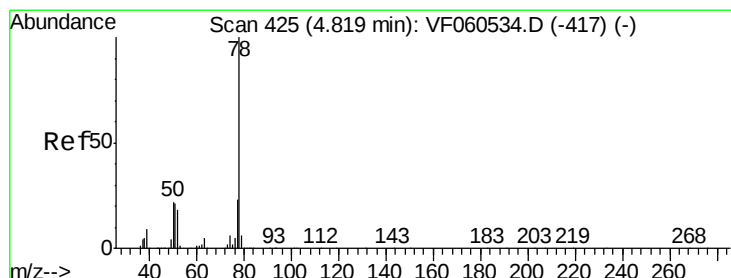
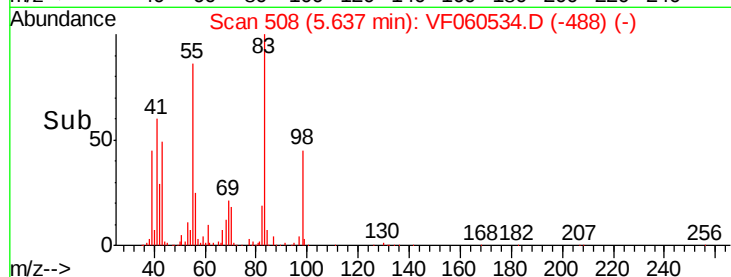
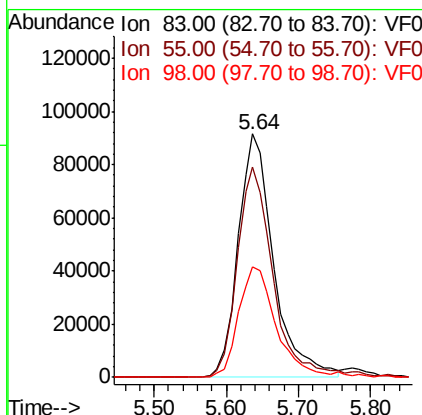
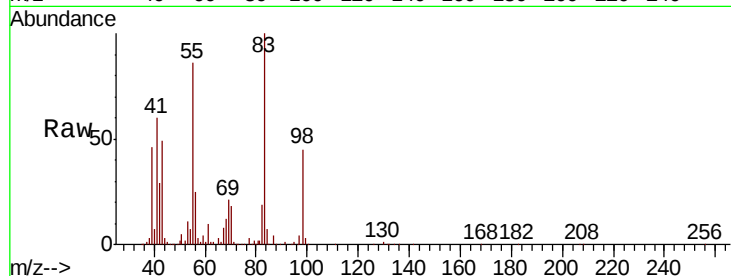
#39
Methvlcvclohexane
Concen: 49.510 ug/l
RT: 5.64 min Scan# 508
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	69.0	103.4
98	45.1	36.1	54.1

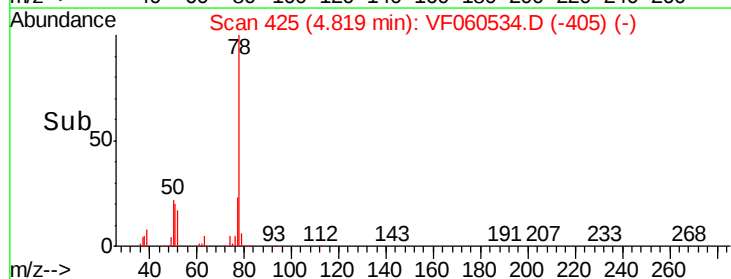
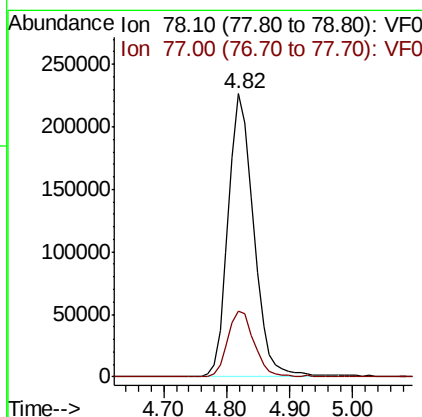
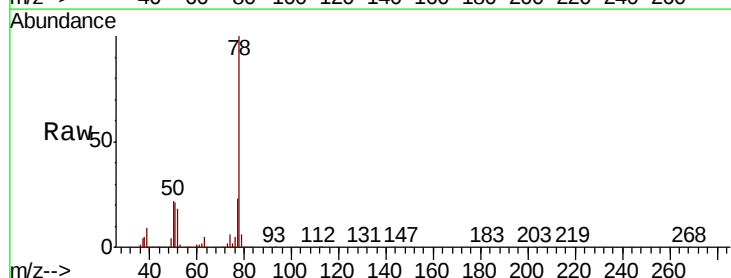
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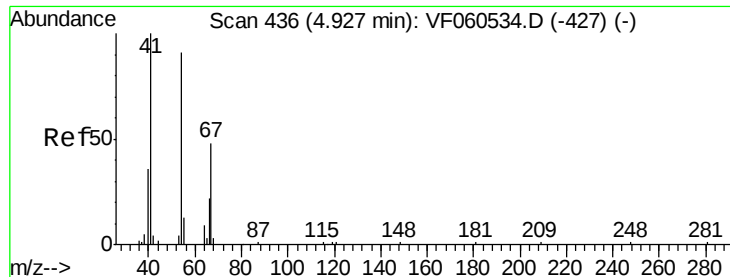
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#40
Benzene
Concen: 49.739 ug/l
RT: 4.82 min Scan# 425
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7





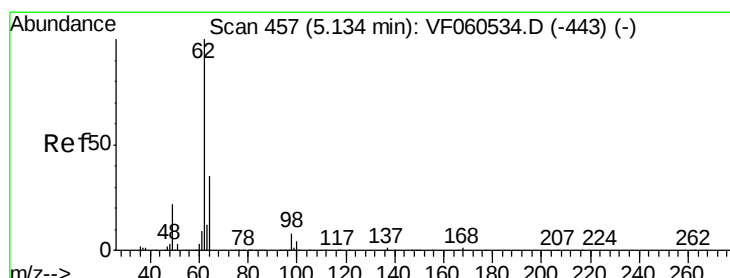
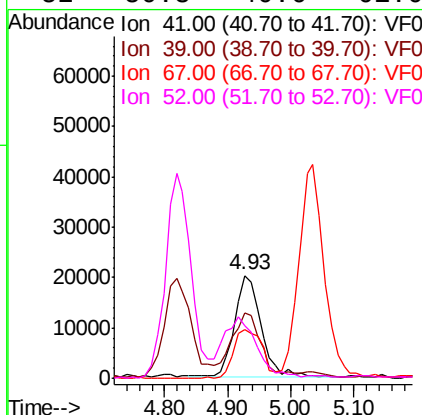
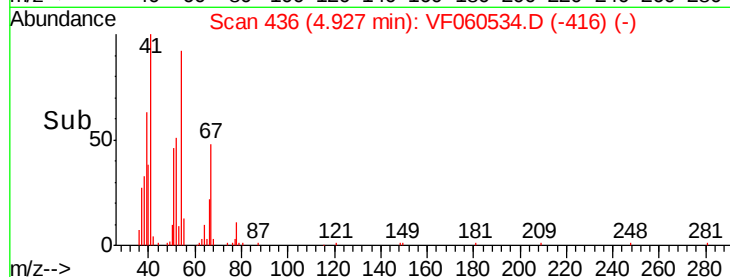
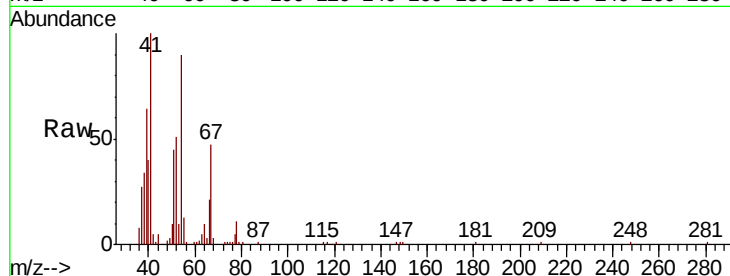
#41
Methacrylonitrile
Concen: 46.150 ug/l
RT: 4.93 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp:	59011
Ion Ratio	Lower	Upper	
41	100		
39	63.8	51.0	76.6
67	47.5	38.0	57.0
52	50.8	40.6	61.0

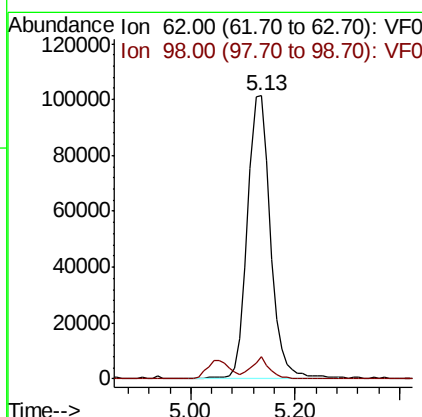
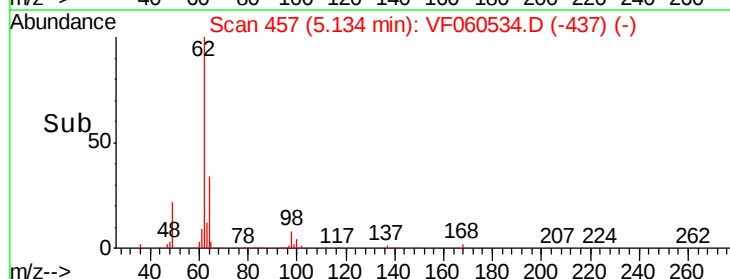
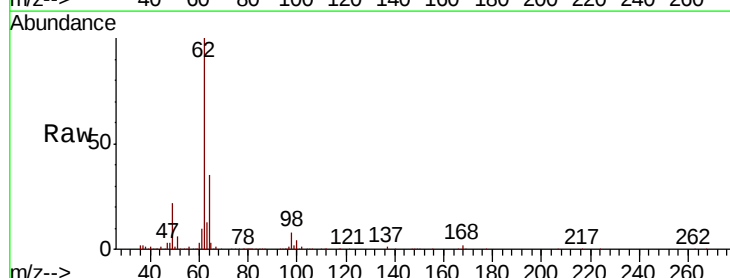
Manual Integrations
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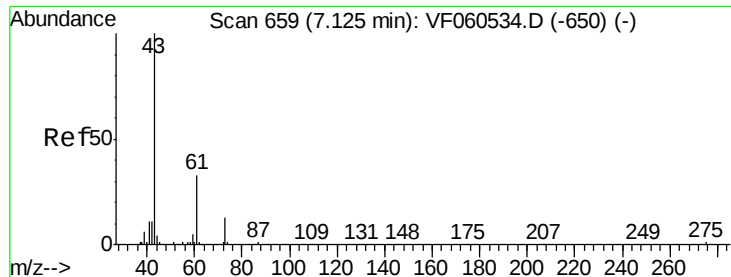
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#42
1,2-Dichloroethane
Concen: 38.790 ug/l
RT: 5.13 min Scan# 457
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	62	Resp:	303128
Ion Ratio	Lower	Upper	
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 50.373 ug/l

RT: 7.13 min Scan# 659

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

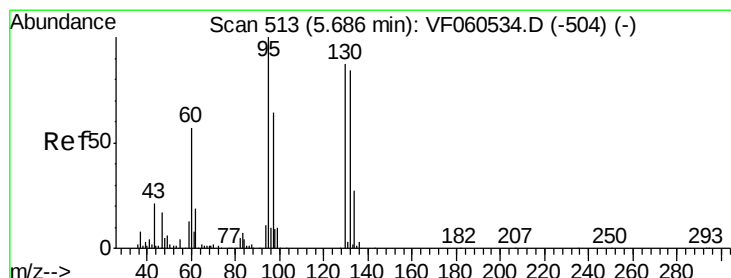
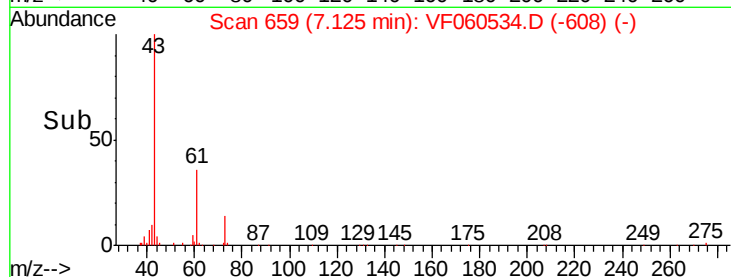
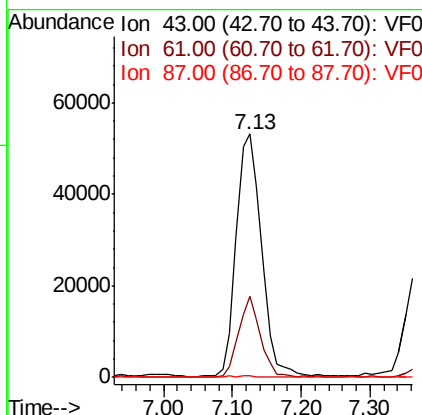
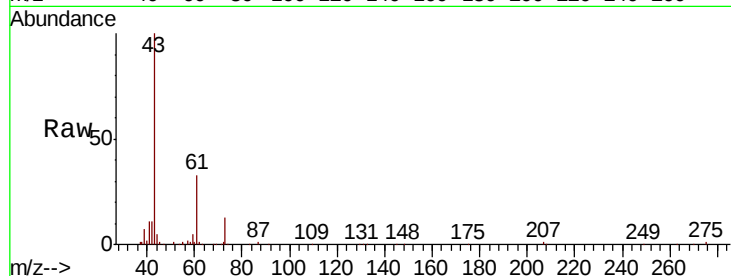
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	134916
Ion	Ratio	Lower	Upper
43	100		
61	33.3	26.6	40.0
87	0.8	0.6	1.0

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#44

Trichloroethene

Concen: 45.484 ug/l

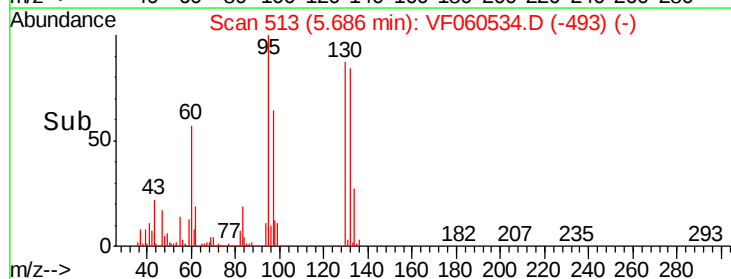
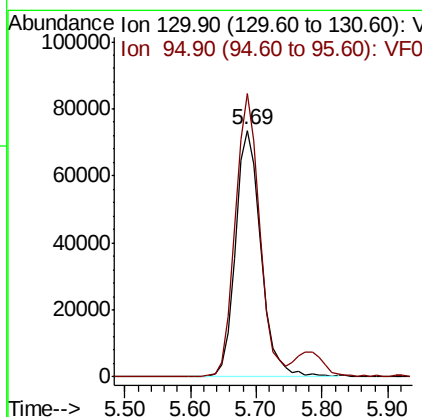
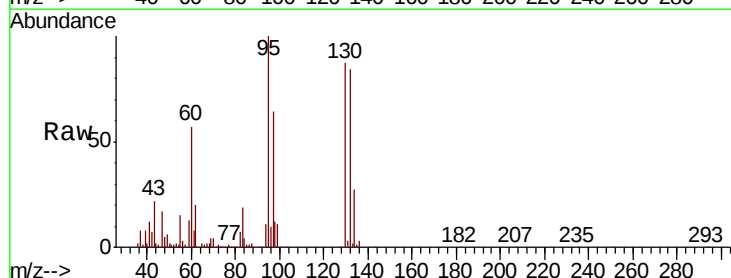
RT: 5.69 min Scan# 513

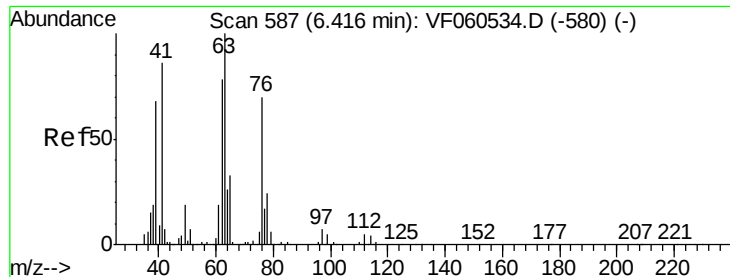
Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion:	130	Resp:	199655
Ion	Ratio	Lower	Upper
130	100		
95	114.7	0.0	229.4





#45

1,2-Dichloropropane

Concen: 48.377 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 155253

Ion Ratio Lower Upper

63 100

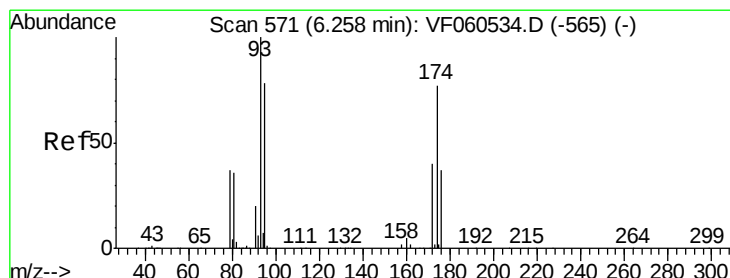
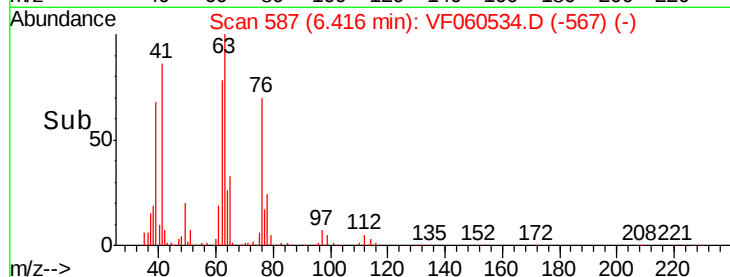
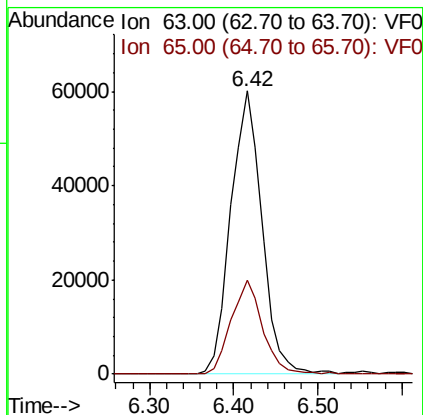
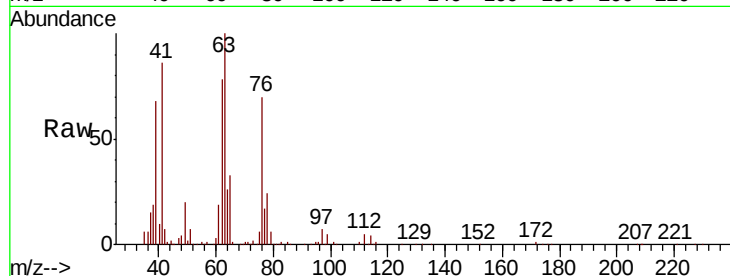
65 33.1 26.5 39.7

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#46

Dibromomethane

Concen: 43.887 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

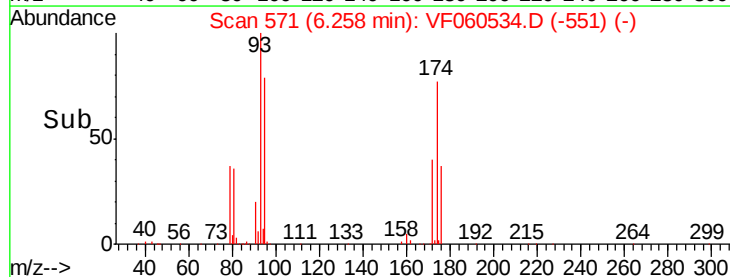
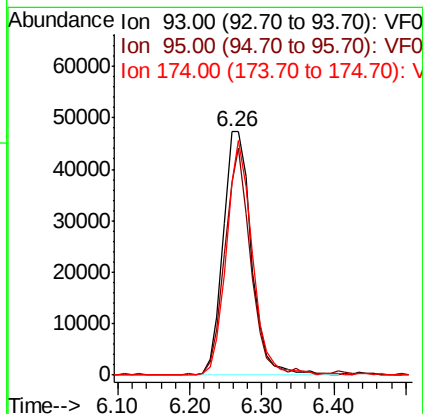
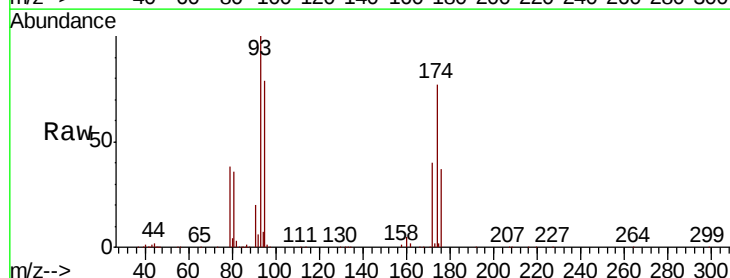
Tgt Ion: 93 Resp: 129434

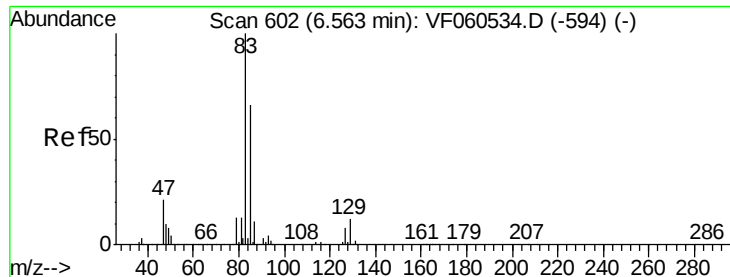
Ion Ratio Lower Upper

93 100

95 80.4 64.3 96.5

174 79.1 63.3 94.9





#47

Bromodichloromethane

Concen: 41.172 ug/l

RT: 6.56 min Scan# 602

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

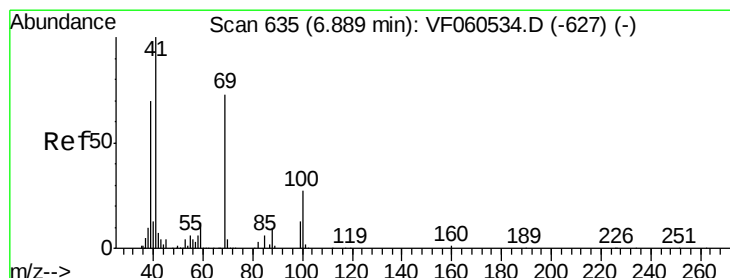
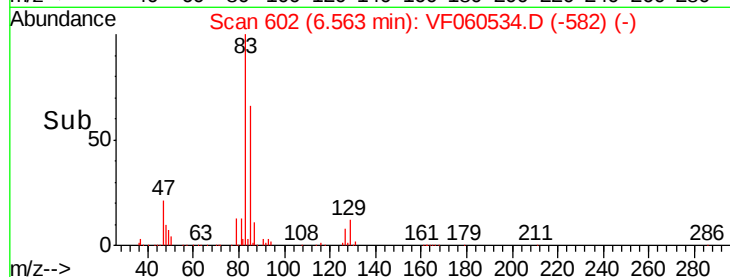
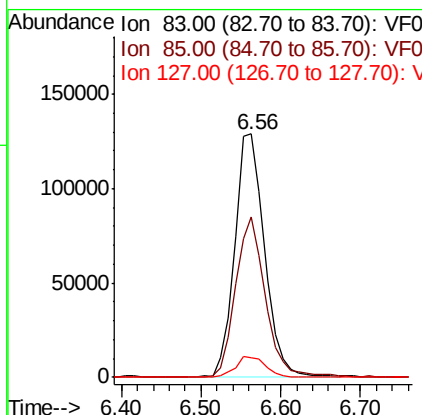
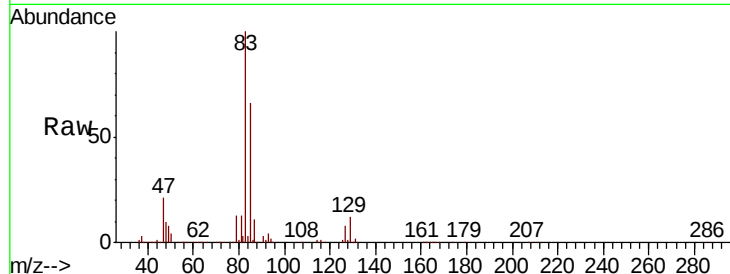
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	335394
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1
127	8.0	6.4	9.6

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#48

Methyl methacrylate

Concen: 49.164 ug/l

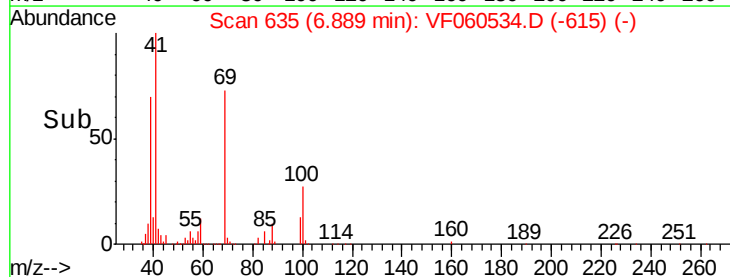
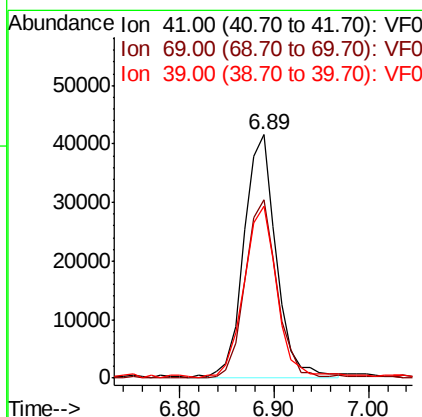
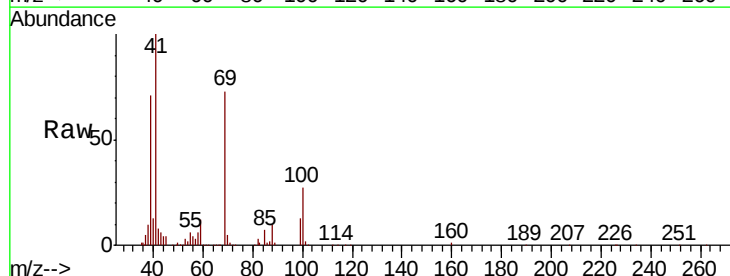
RT: 6.89 min Scan# 635

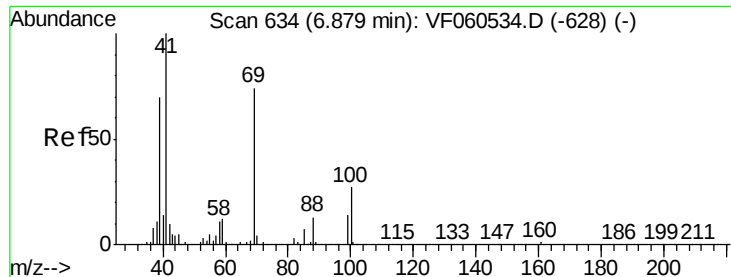
Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion:	41	Resp:	97500
Ion	Ratio	Lower	Upper
41	100		
69	73.0	58.4	87.6
39	70.5	56.4	84.6





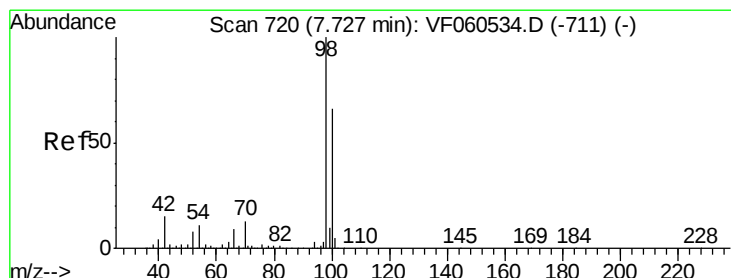
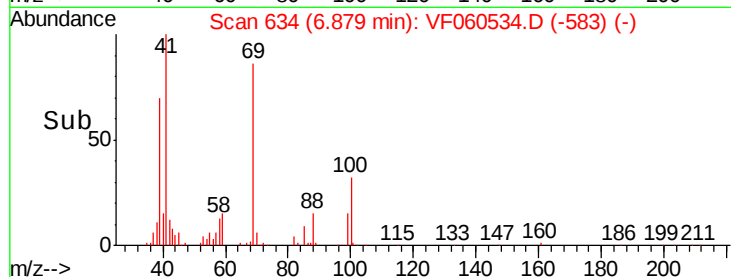
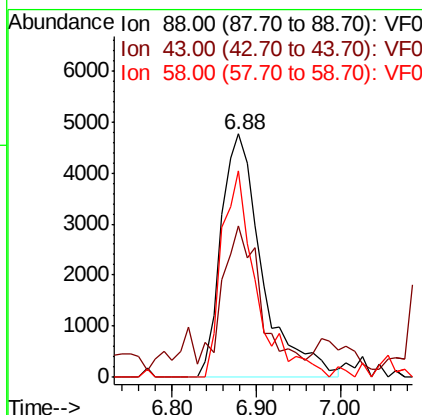
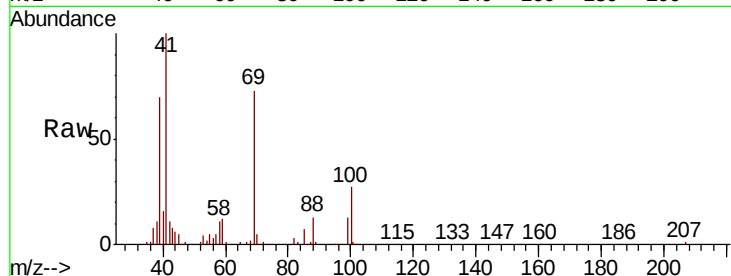
#49
1,4-Dioxane
Concen: 927.492 ug/l
RT: 6.88 min Scan# 634
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	16201
Ion Ratio	Lower	Upper	
88	100		
43	62.1	49.7	74.5
58	84.6	67.7	101.5

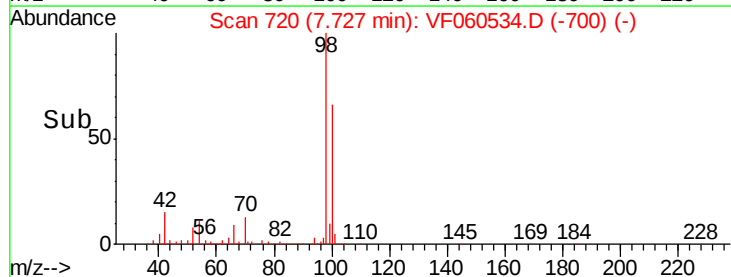
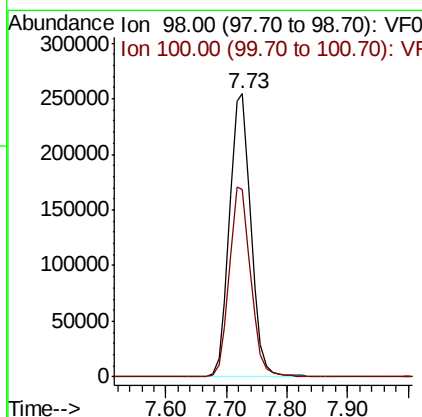
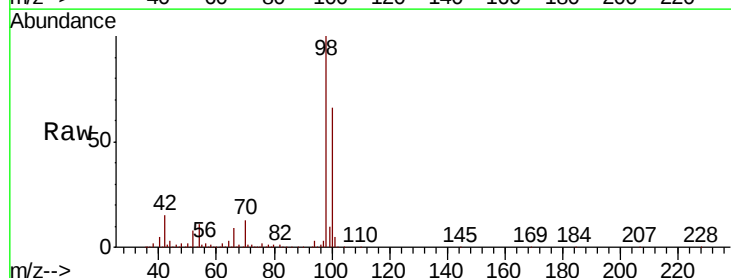
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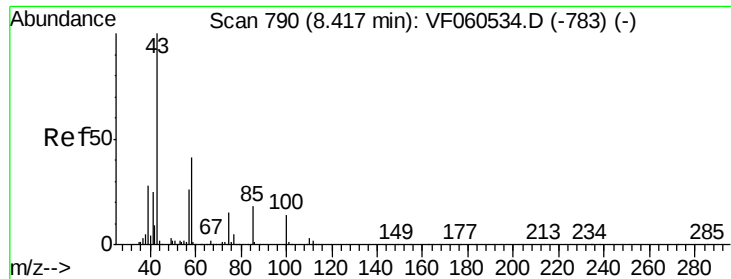
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#50
Toluene-d8
Concen: 50.101 ug/l
RT: 7.73 min Scan# 720
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	98	Resp	627228
Ion Ratio	Lower	Upper	
98	100		
100	66.3	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 231.657 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 472284

Ion Ratio Lower Upper

43 100

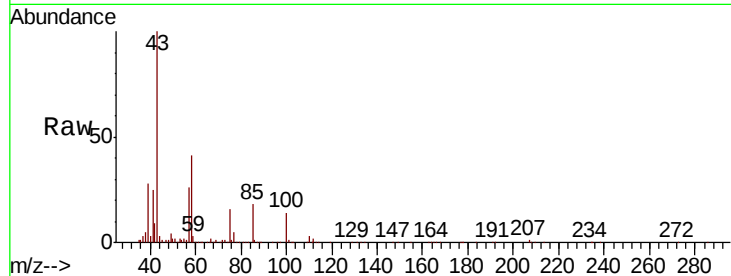
58 40.8 32.6 49.0

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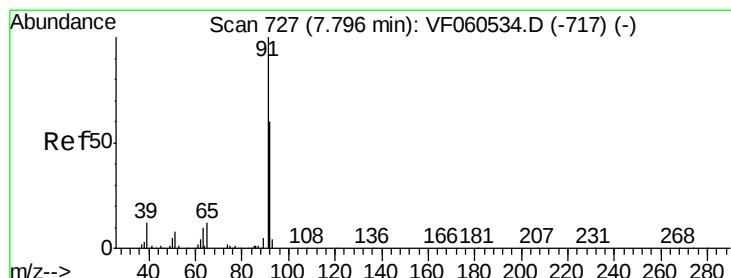
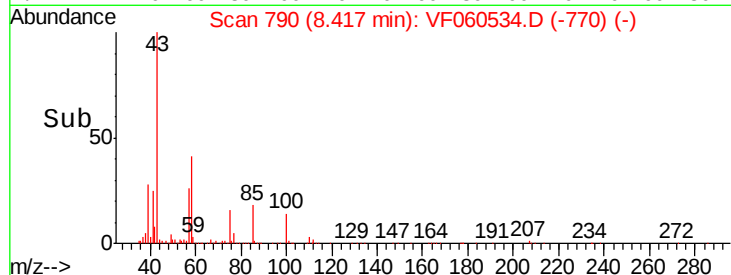
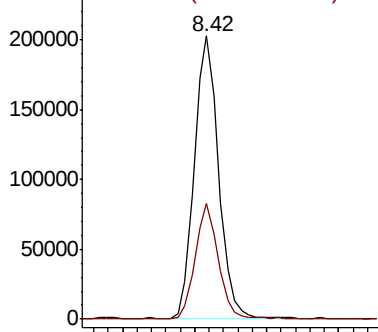
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 50.339 ug/l

RT: 7.80 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF060534.D

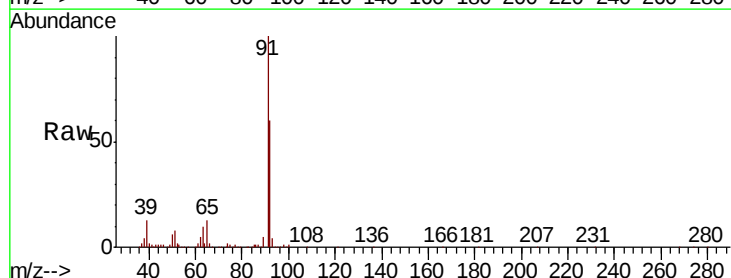
Acq: 29 Oct 2018 17:53

Tgt Ion: 92 Resp: 424486

Ion Ratio Lower Upper

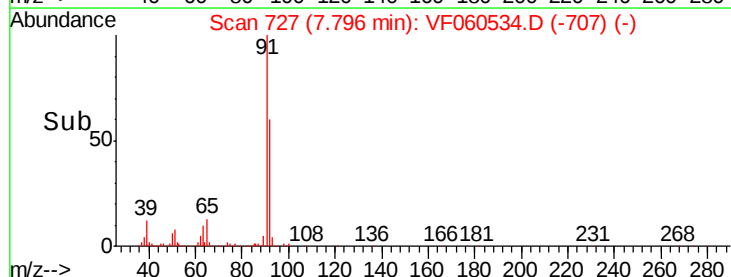
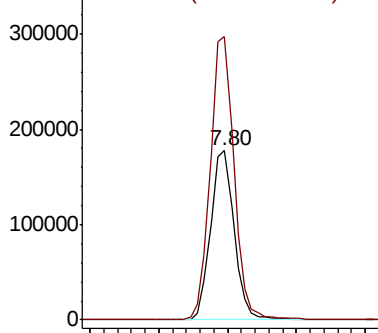
92 100

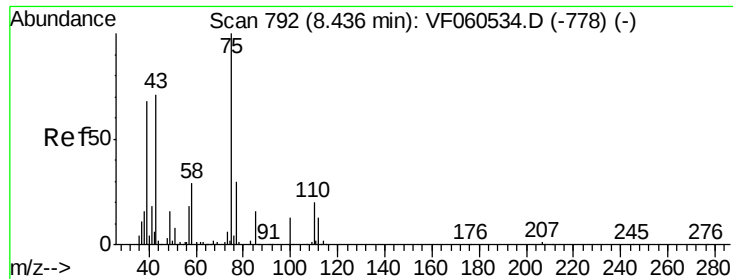
91 167.6 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





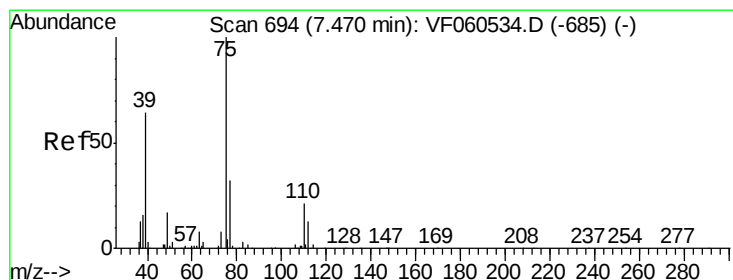
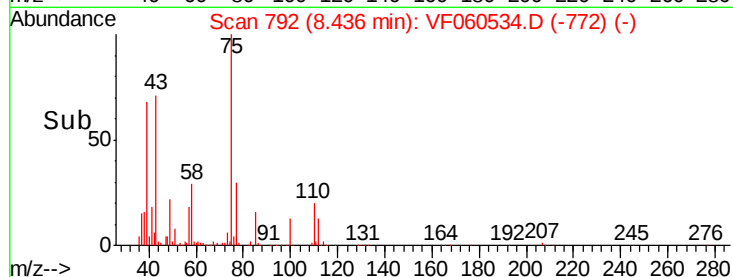
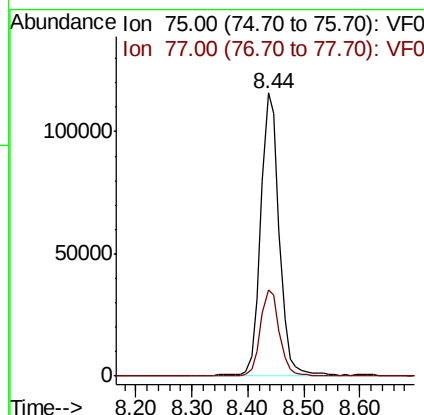
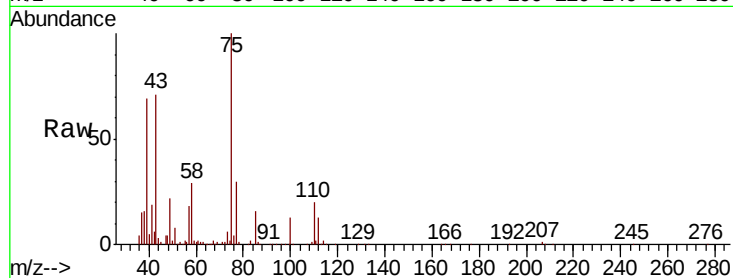
#53
 t-1,3-Dichloropropene
 Concen: 43.870 ug/l
 RT: 8.44 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 267333
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.2 36.4

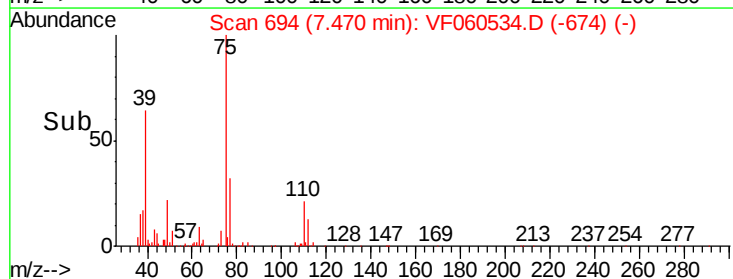
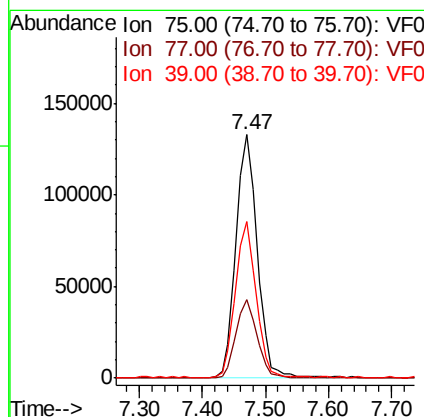
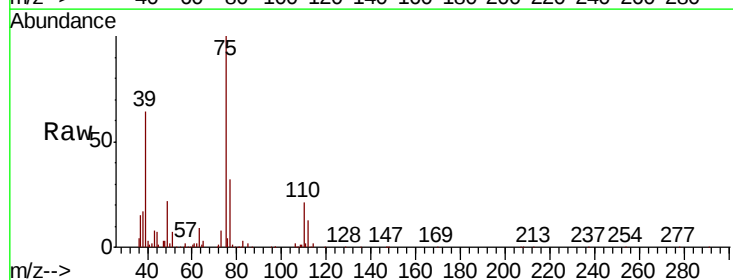
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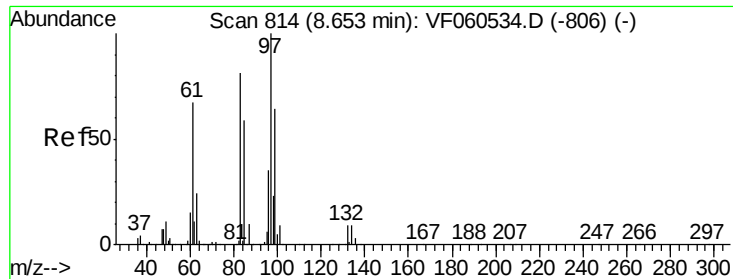
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#54
 cis-1,3-Dichloropropene
 Concen: 48.663 ug/l
 RT: 7.47 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion: 75 Resp: 310479
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5
 39 64.4 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 51.003 ug/l

RT: 8.65 min Scan# 814

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

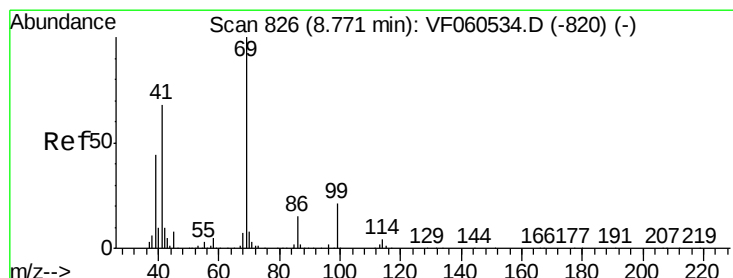
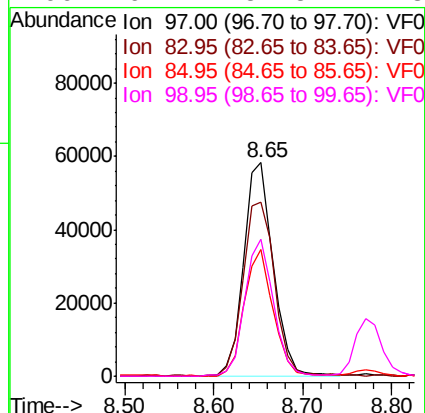
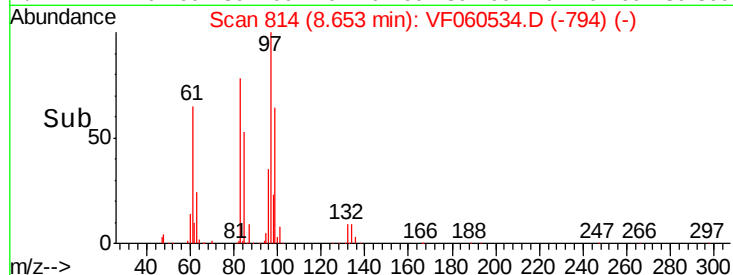
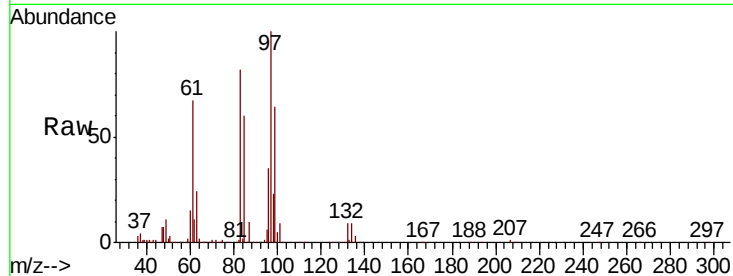
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	133648
Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.3	97.9
85	59.5	47.6	71.4
99	64.4	51.5	77.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 54.182 ug/l

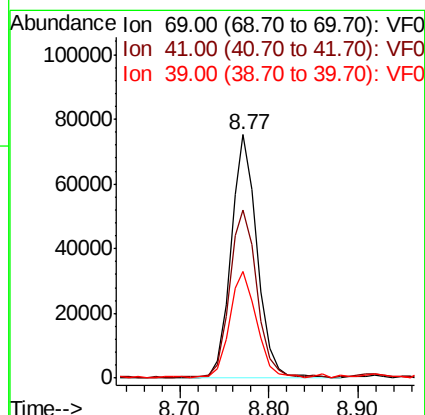
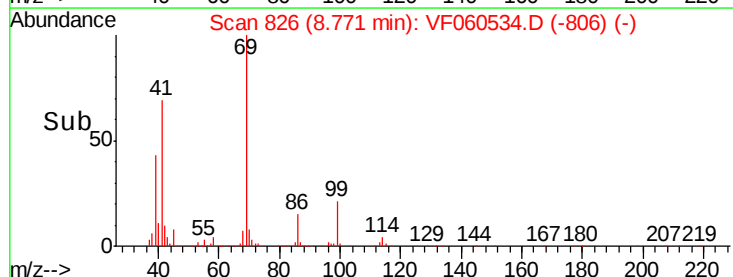
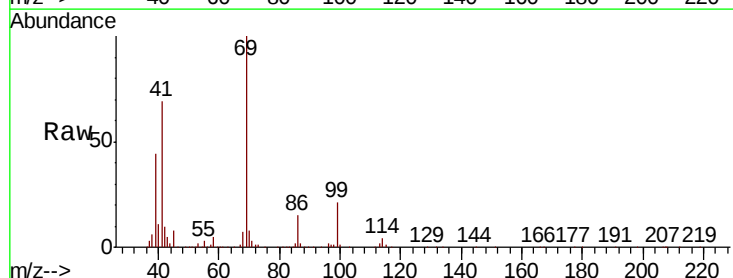
RT: 8.77 min Scan# 826

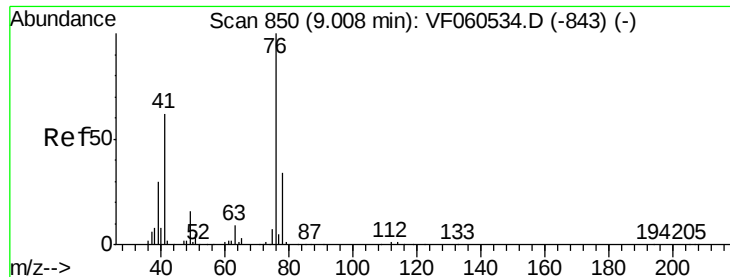
Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion:	69	Resp:	155121
Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.0	82.6
39	43.9	35.1	52.7





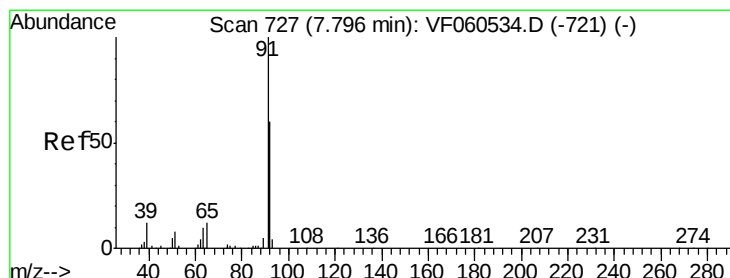
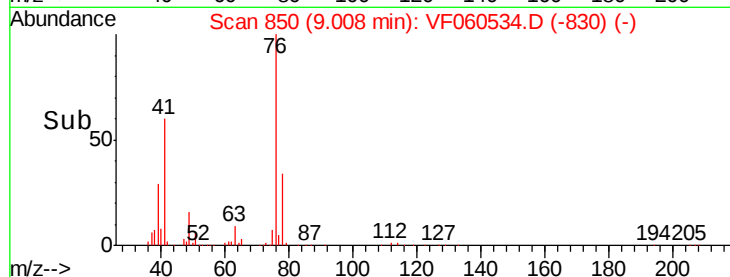
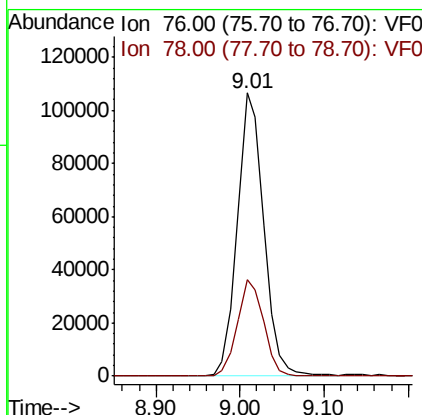
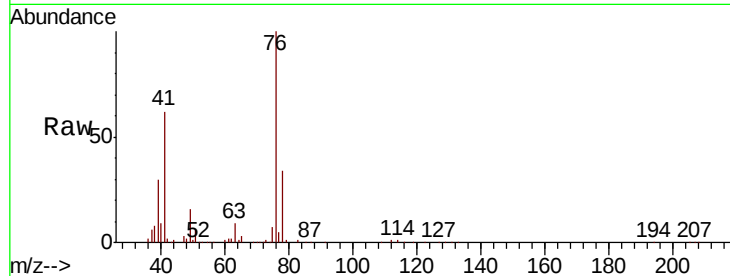
#57
 1,3-Dichloropropane
 Concen: 50.410 ug/l
 RT: 9.01 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.1	27.3	40.9

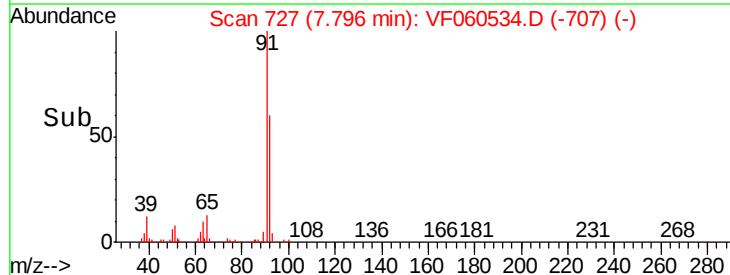
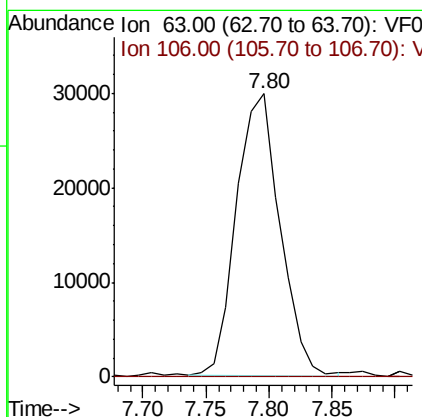
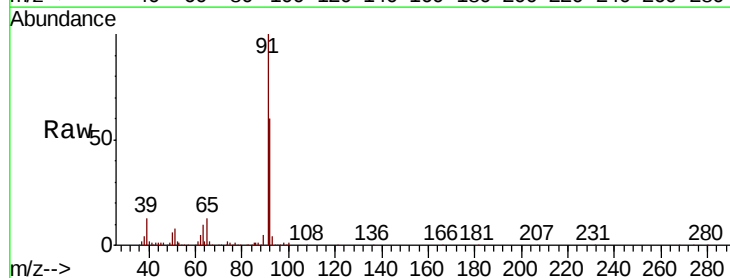
Manual Integrations
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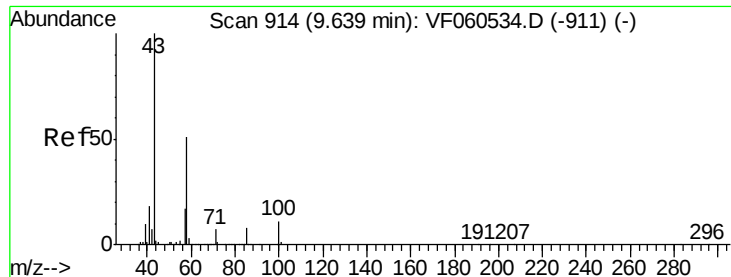
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 193.968 ug/l
 RT: 7.80 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





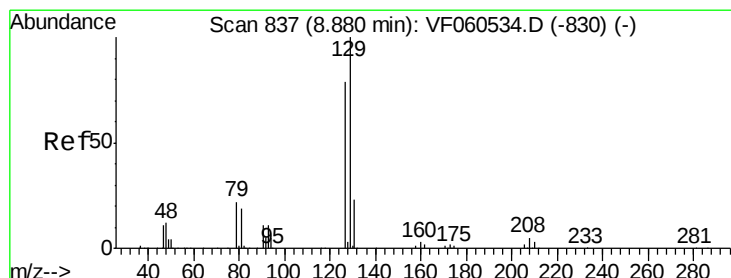
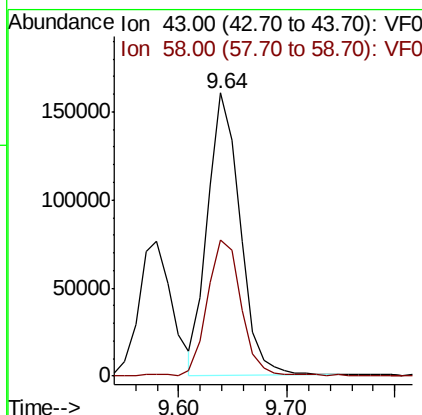
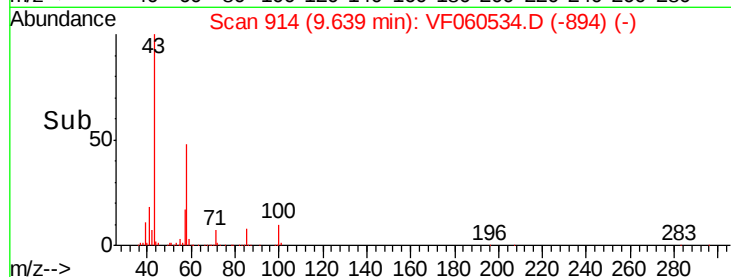
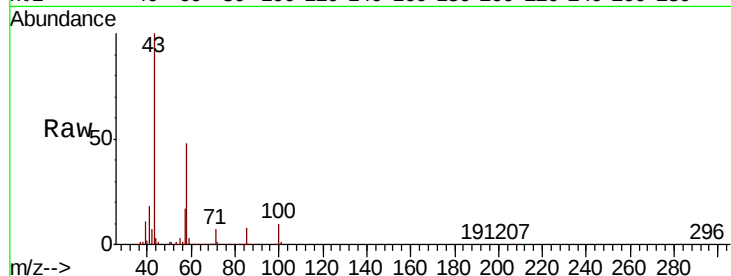
#59
2-Hexanone
Concen: 219.635 ug/l
RT: 9.64 min Scan# 914
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.2	24.1	72.3

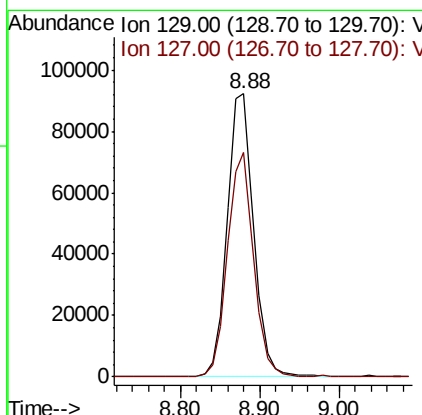
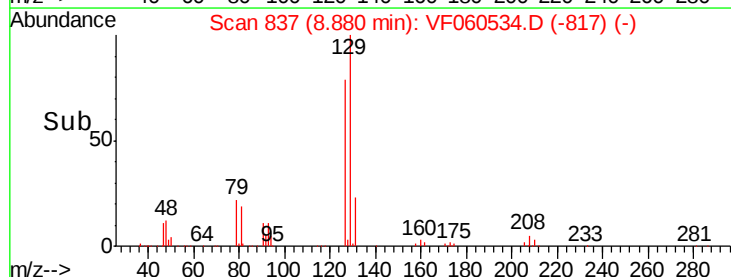
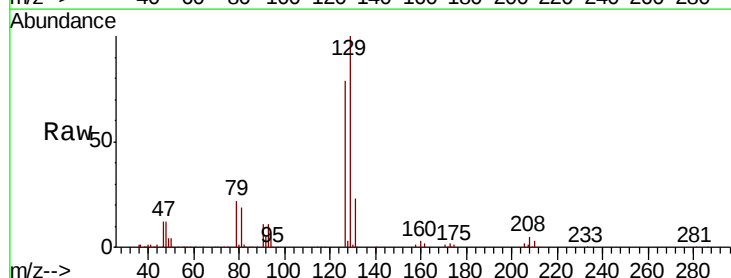
Manual Integrations
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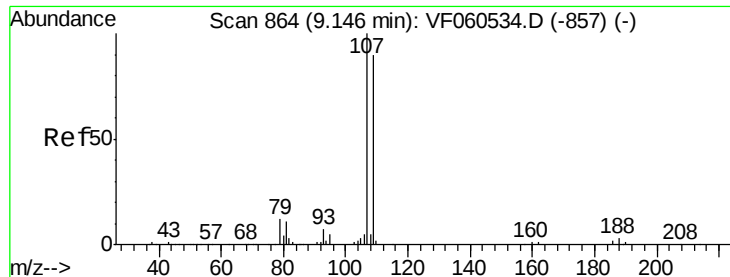
apatel
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#60
Dibromochloromethane
Concen: 44.371 ug/l
RT: 8.88 min Scan# 837
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.6	119.0





#61

1,2-Dibromoethane

Concen: 48.864 ug/l

RT: 9.15 min Scan# 864

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 151396

Ion Ratio Lower Upper

107 100

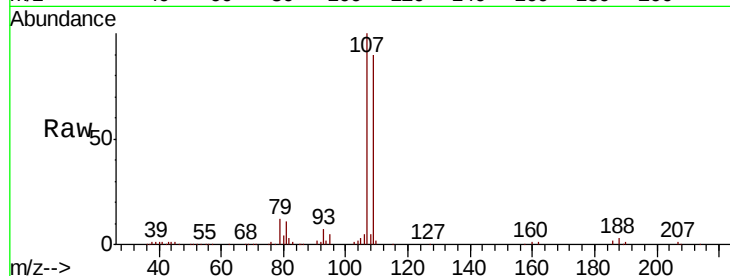
109 90.2 72.2 108.2

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.15

80000

60000

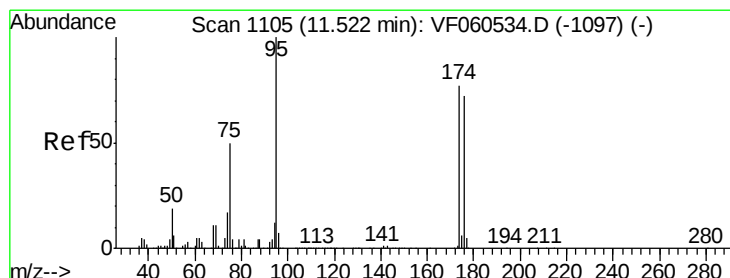
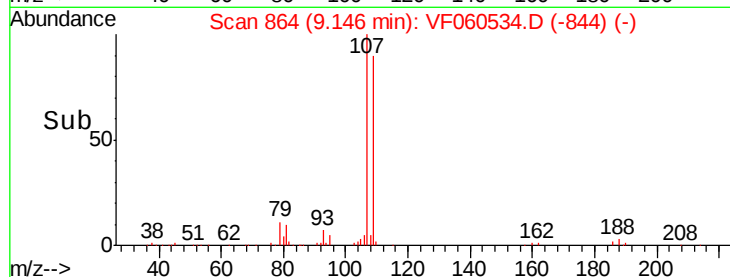
40000

20000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 42.787 ug/l

RT: 11.52 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

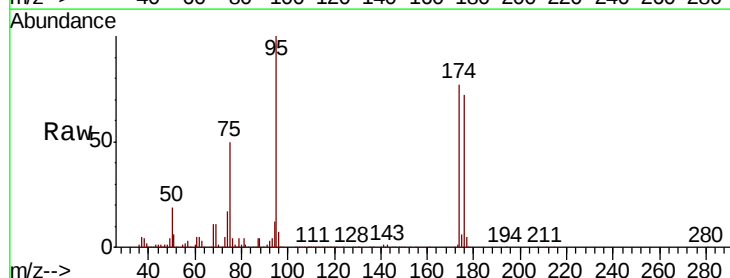
Tgt Ion: 95 Resp: 289897

Ion Ratio Lower Upper

95 100

174 76.9 0.0 153.8

176 71.8 0.0 143.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.52

200000

150000

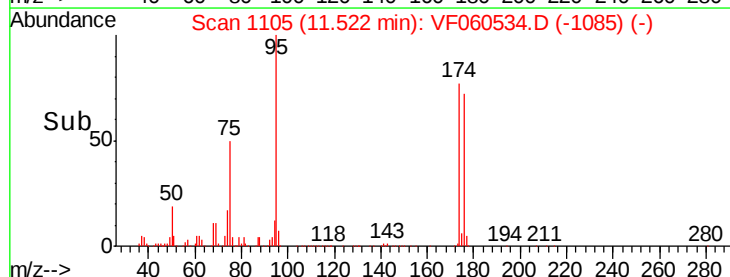
100000

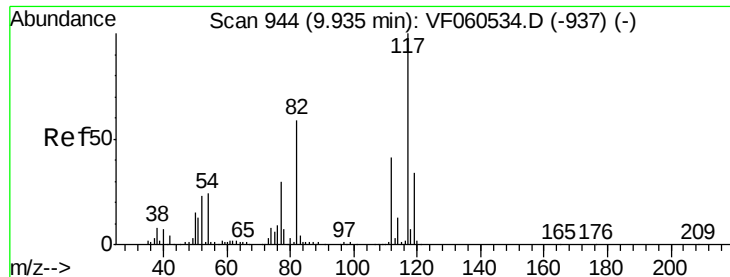
50000

0

Time-->

11.40 11.60





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

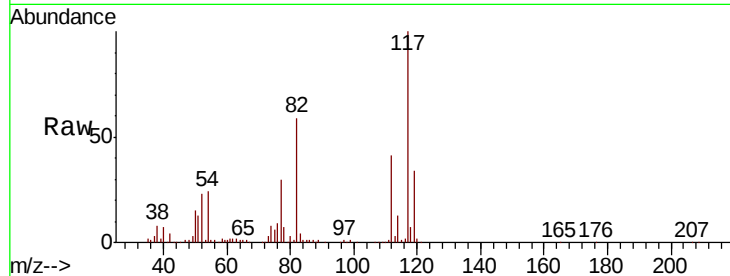
ClientSampleId :

VSTDICCC050

Tot Ion:	117	Resp:	444349
Ion Ratio	Lower	Upper	
117	100		
82	59.5	47.6	71.4
119	34.1	27.3	40.9

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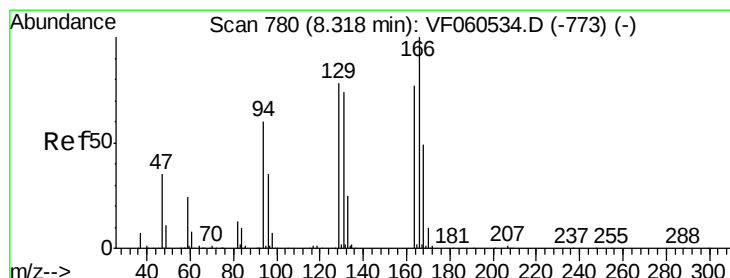
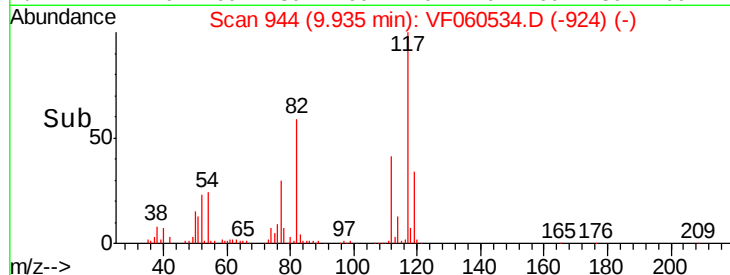
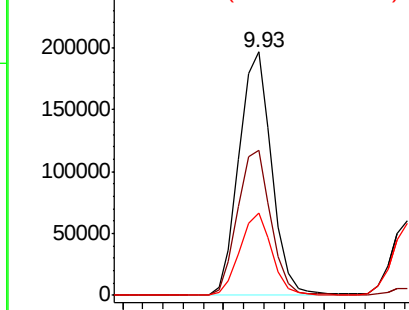


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 50.946 ug/l

RT: 8.32 min Scan# 780

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion:	164	Resp:	194994
Ion Ratio	Lower	Upper	
164	100		
166	129.3	103.4	155.2
129	100.9	80.7	121.1
131	95.4	76.3	114.5

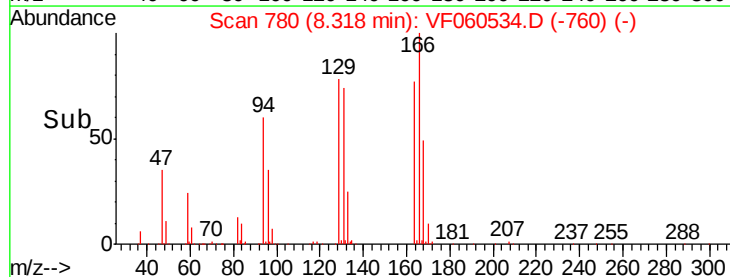
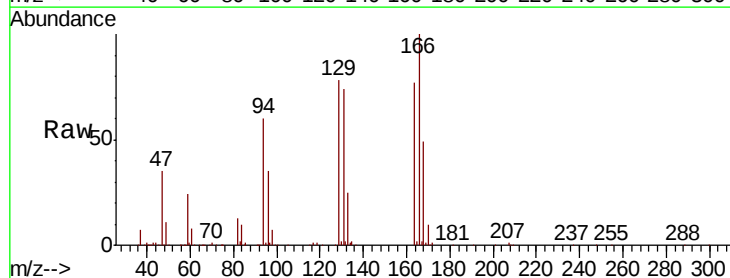
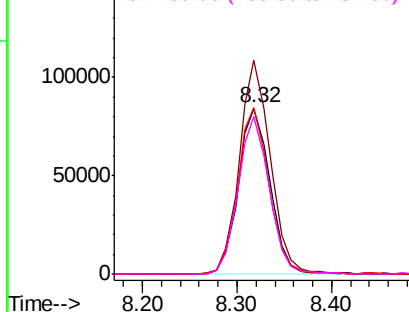
Abundance

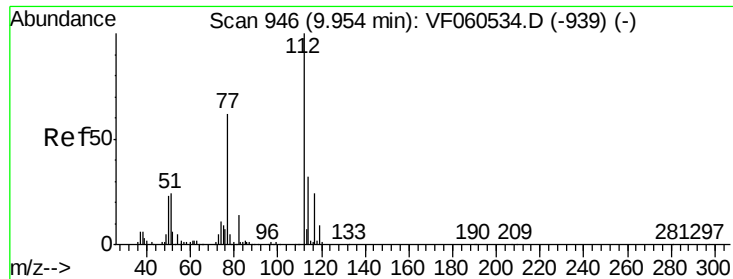
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





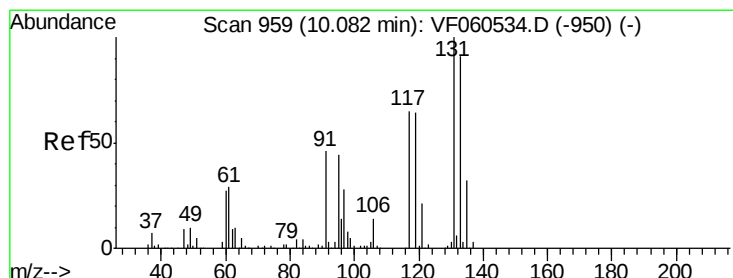
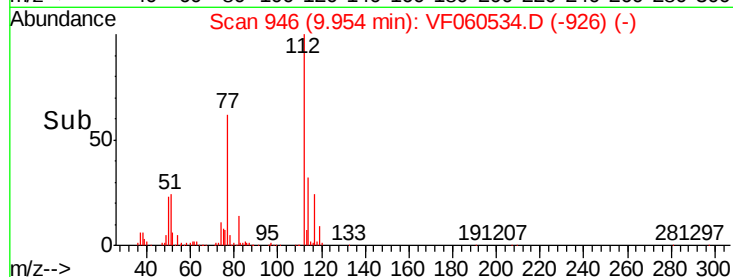
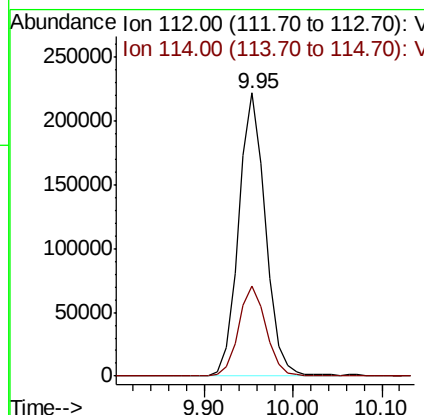
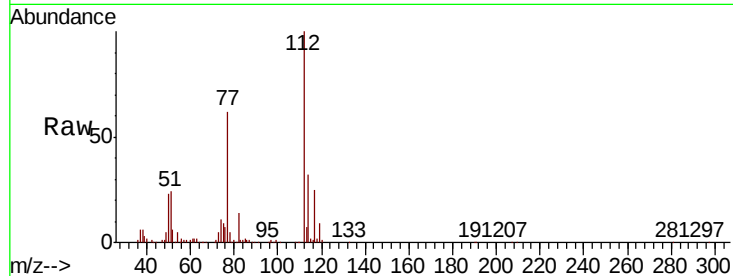
#65
Chlorobenzene
Concen: 49.512 ug/l
RT: 9.95 min Scan# 946
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.5	38.3

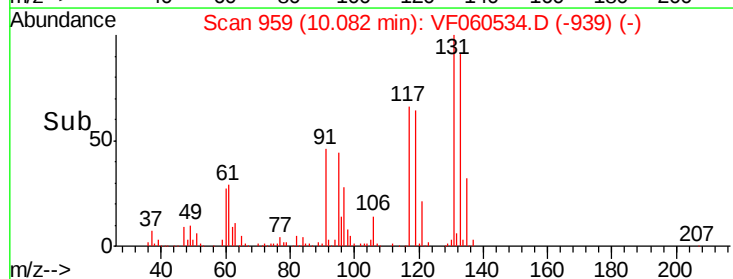
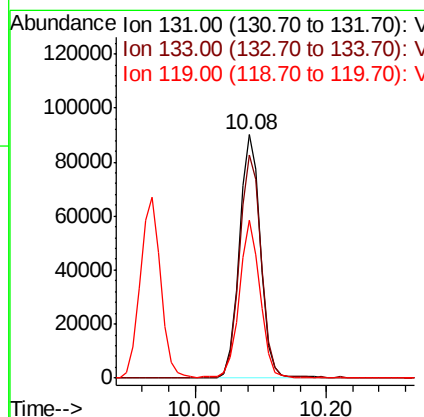
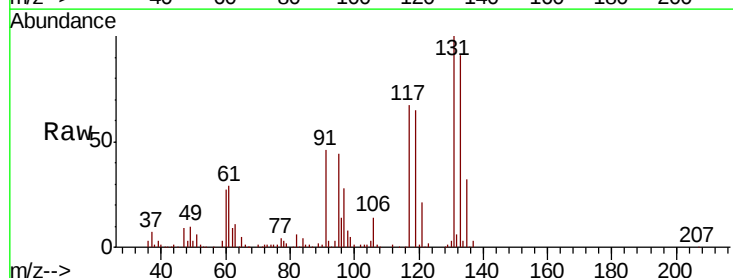
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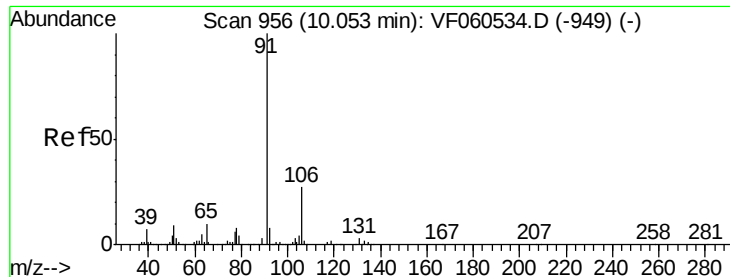
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#66
1,1,1,2-Tetrachloroethane
Concen: 43.070 ug/l
RT: 10.08 min Scan# 959
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.5	45.8	137.3
119	64.7	32.4	97.0





#67

Ethyl Benzene

Concen: 46.719 ug/l

RT: 10.05 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 886066

Ion Ratio Lower Upper

91 100

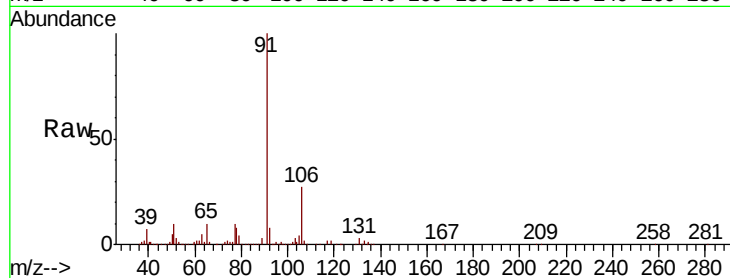
106 27.4 21.9 32.9

Manual Integrations

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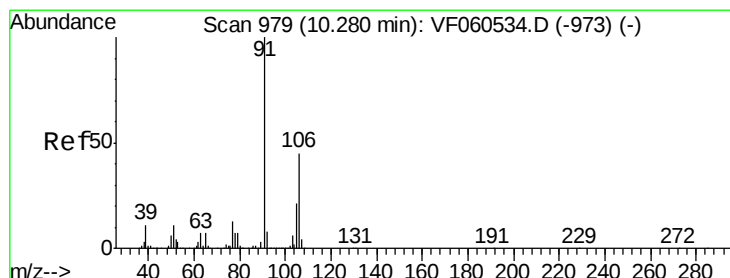
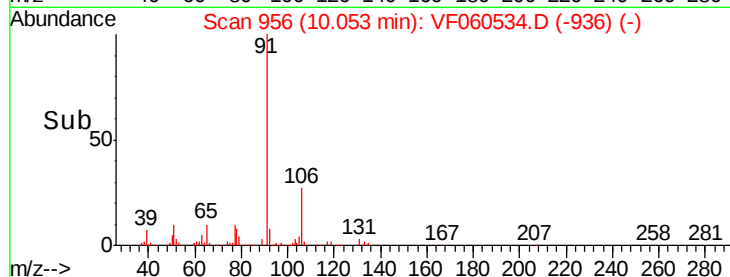
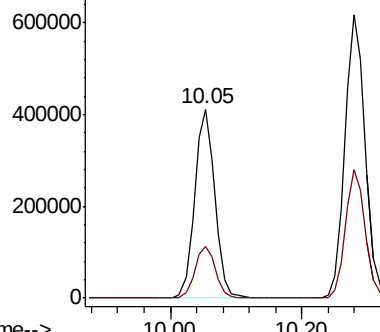
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.820 ug/l

RT: 10.28 min Scan# 979

Delta R.T. 0.00 min

Lab File: VF060534.D

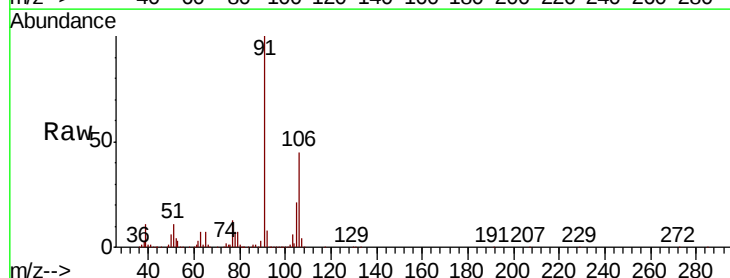
Acq: 29 Oct 2018 17:53

Tgt Ion: 106 Resp: 593357

Ion Ratio Lower Upper

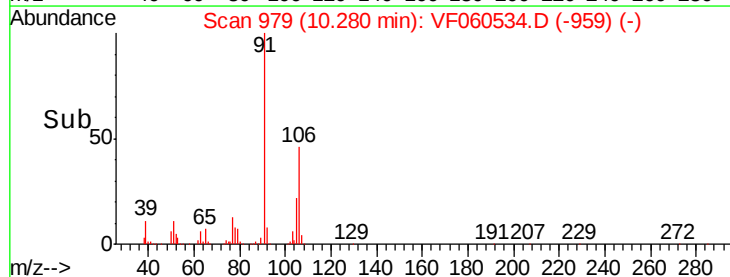
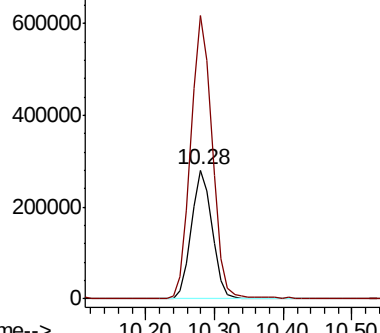
106 100

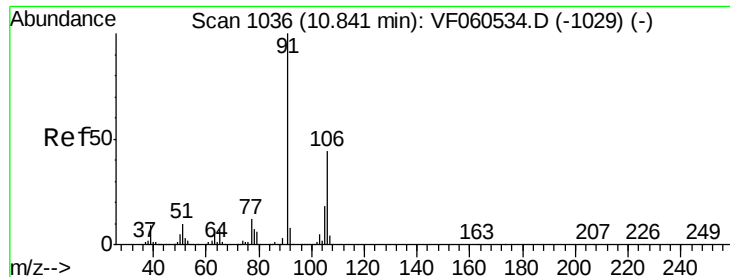
91 220.2 176.2 264.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





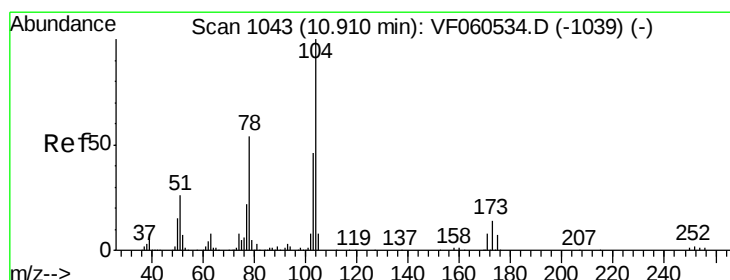
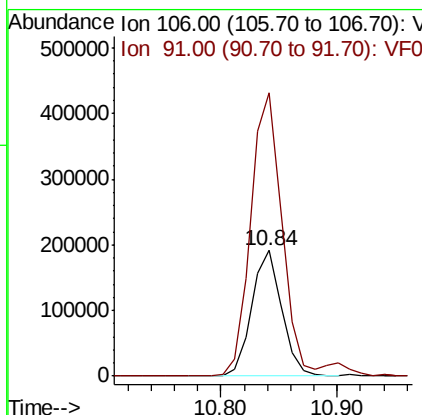
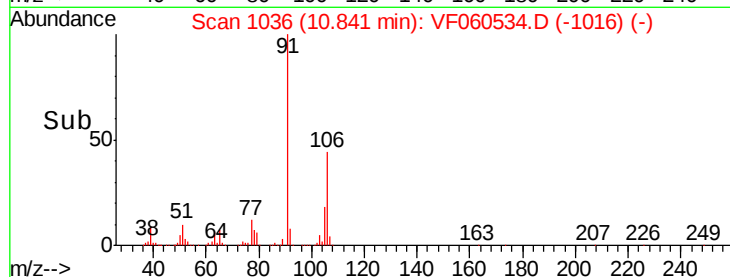
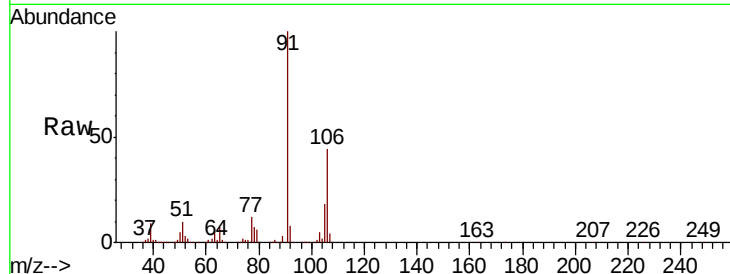
#69
o-Xylene
Concen: 50.381 ug/l
RT: 10.84 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 342759
Ion Ratio Lower Upper
106 100
91 225.9 112.9 338.8

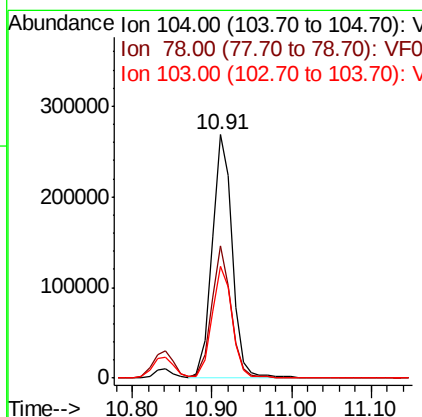
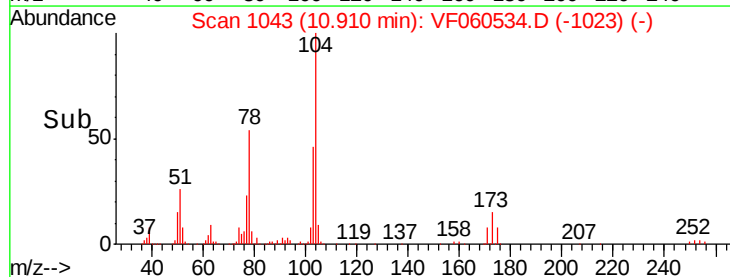
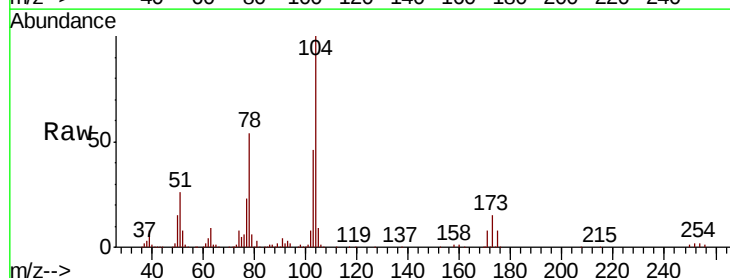
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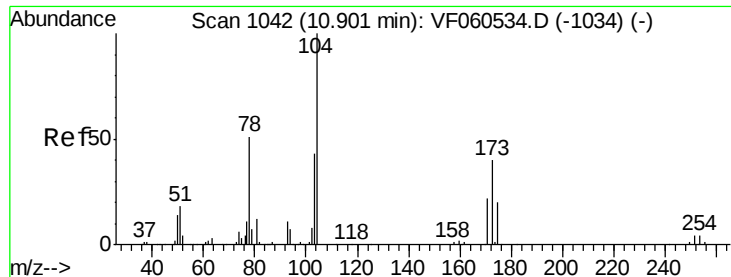
apatel
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#70
Styrene
Concen: 49.972 ug/l
RT: 10.91 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion:104 Resp: 475391
Ion Ratio Lower Upper
104 100
78 54.3 43.4 65.2
103 46.1 36.9 55.3





#71

Bromoform

Concen: 43.649 ug/l

RT: 10.90 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 110718

Ion Ratio Lower Upper

173 100

175 51.3 25.7 77.0

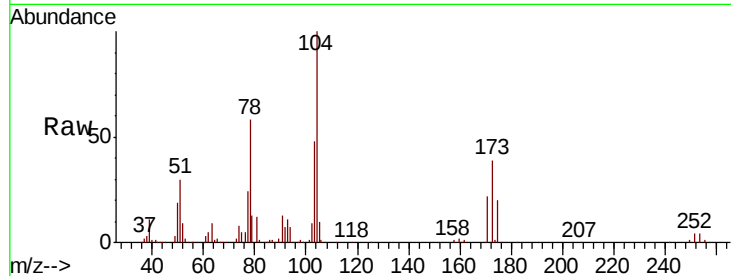
254 9.7 7.8 11.6

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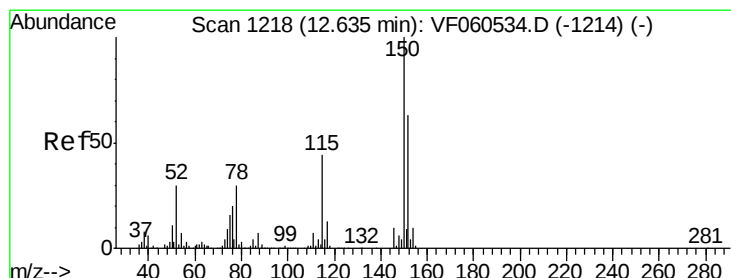
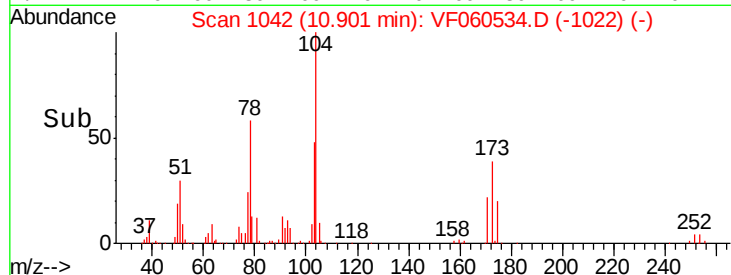
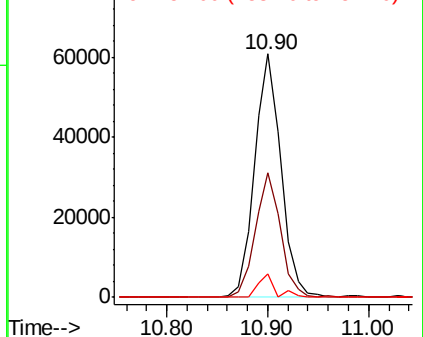


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion:152 Resp: 270487

Ion Ratio Lower Upper

152 100

115 69.4 34.7 104.1

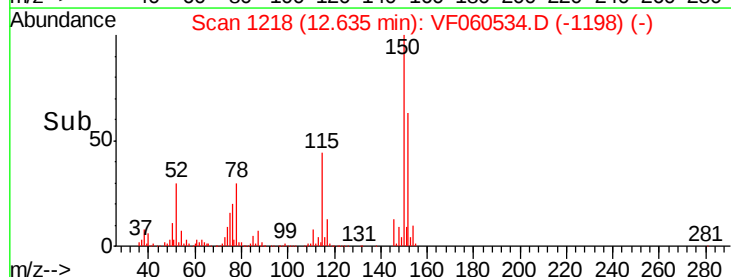
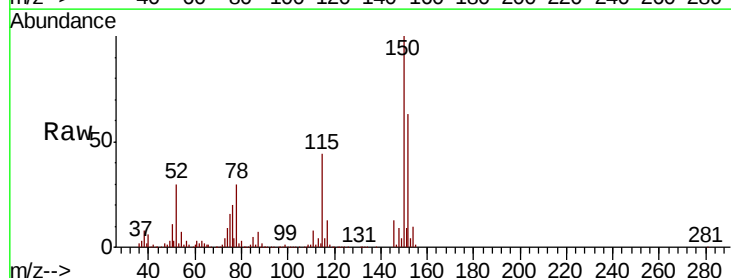
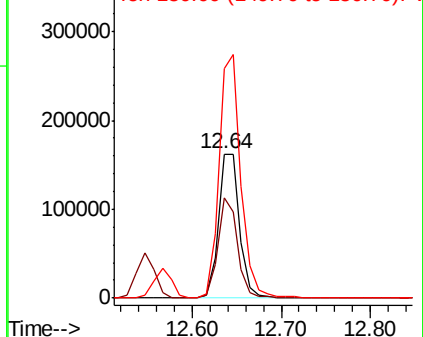
150 159.2 0.0 318.4

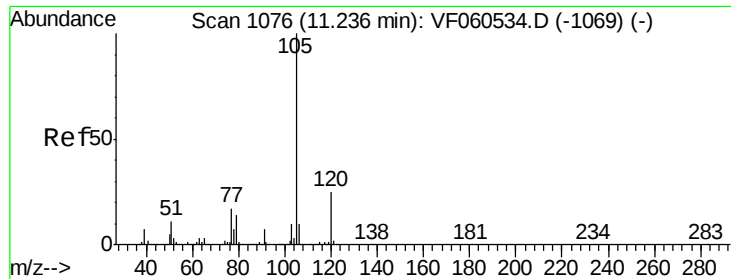
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 46.879 ug/l

RT: 11.24 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1006943

Ion Ratio Lower Upper

105 100

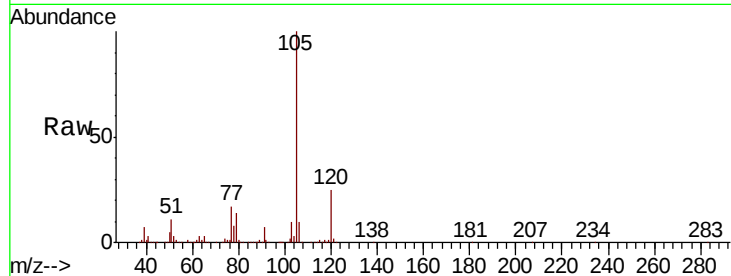
120 24.5 12.3 36.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

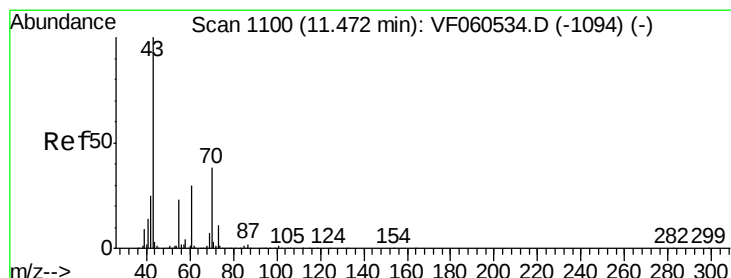
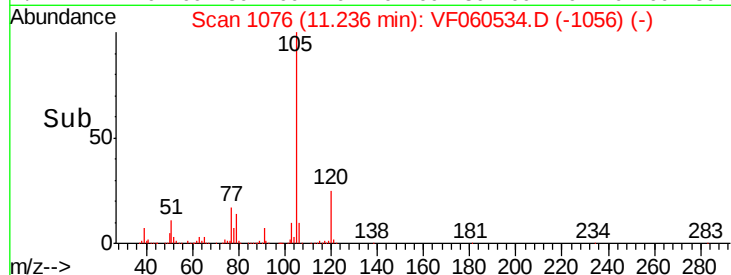
0

11.24

11.20

11.40

Time-->



#74

N-ethyl acetate

Concen: 51.527 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion: 43 Resp: 200952

Ion Ratio Lower Upper

43 100

70 38.5 30.8 46.2

55 22.8 18.2 27.4

61 29.8 23.8 35.8

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

200000

150000

100000

50000

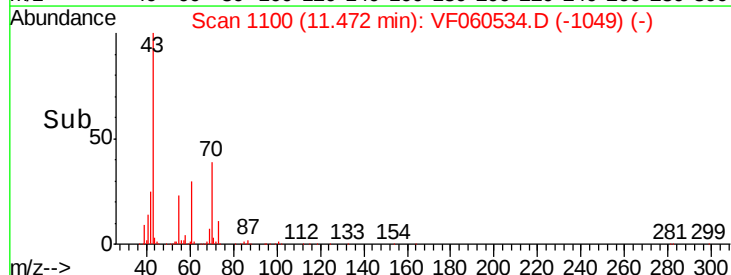
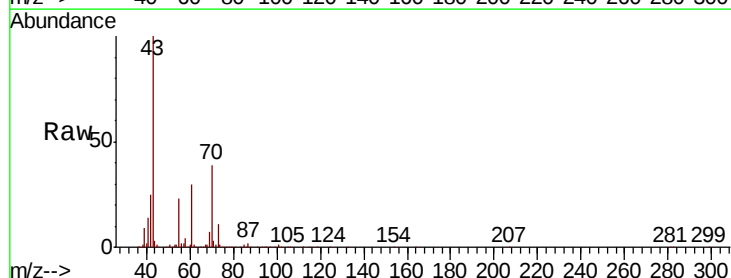
0

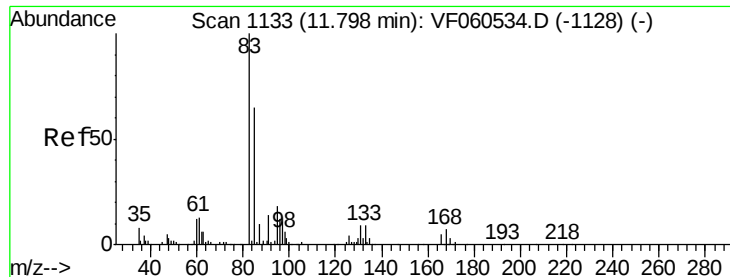
11.47

11.40

11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.304 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

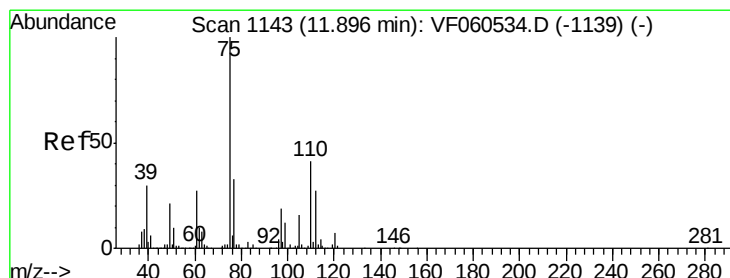
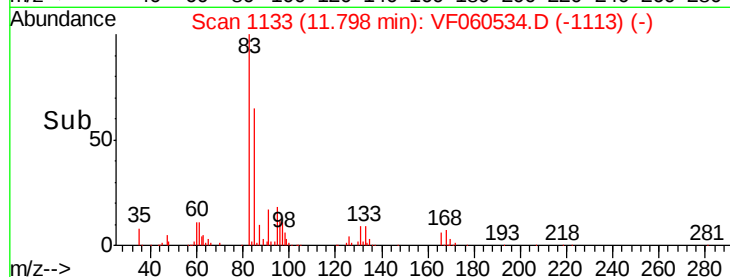
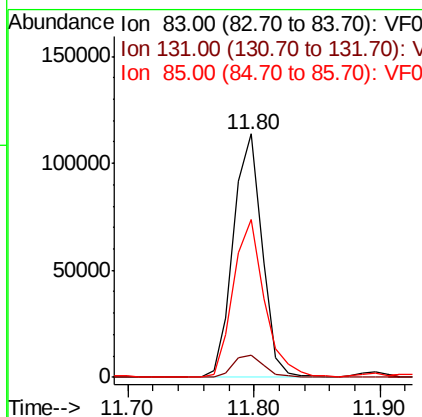
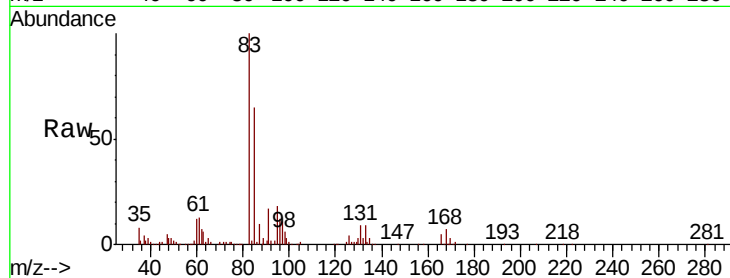
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	179441
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	64.7	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 47.540 ug/l

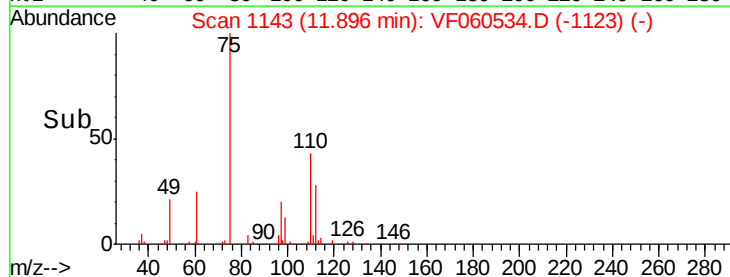
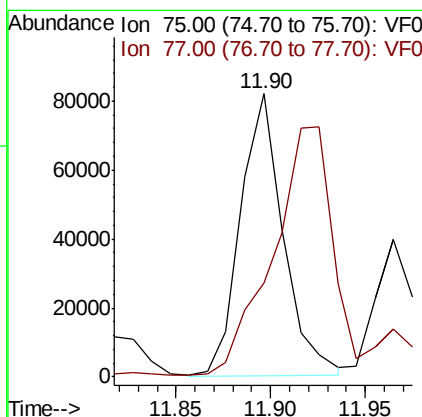
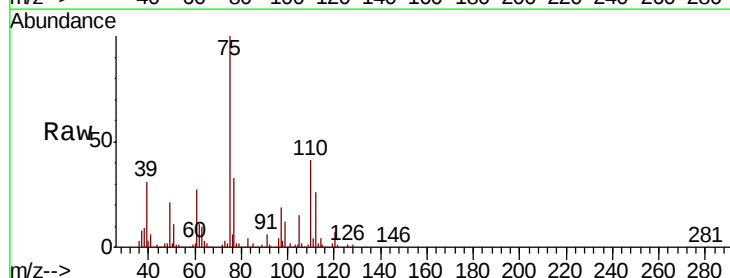
RT: 11.90 min Scan# 1143

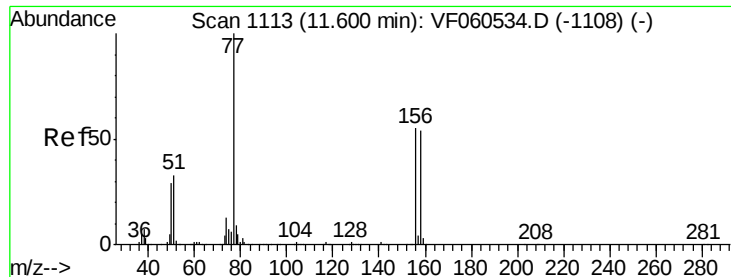
Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion:	75	Resp:	128738
Ion Ratio	Lower	Upper	
75	100		
77	33.4	16.7	50.1





#77

Bromobenzene

Concen: 48.957 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

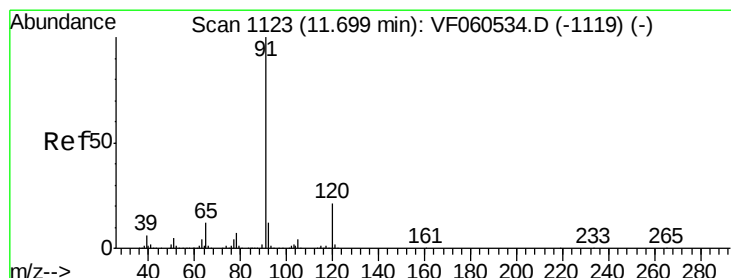
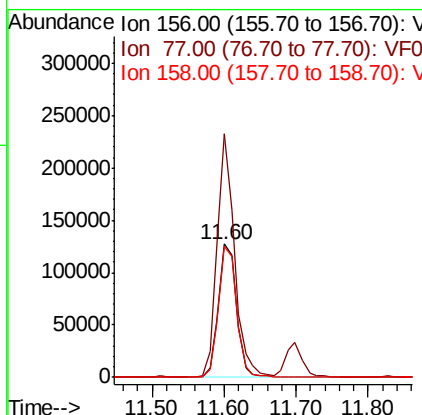
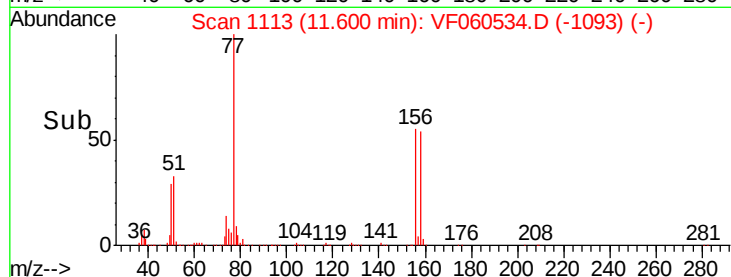
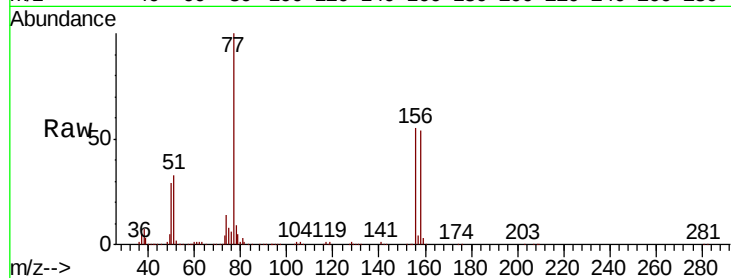
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
221205	156	100		
	77	182.7	91.3	274.1
	158	98.6	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 46.819 ug/l

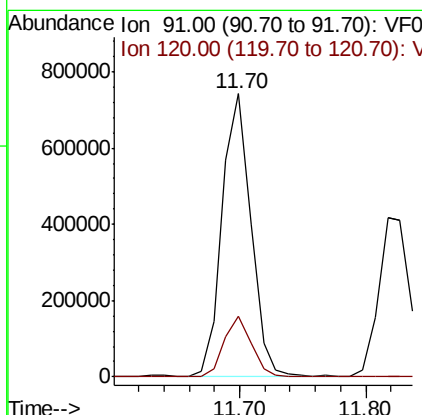
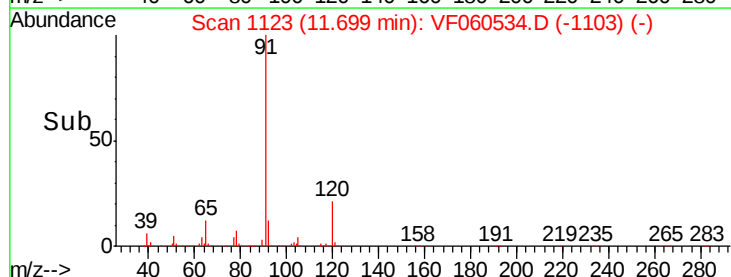
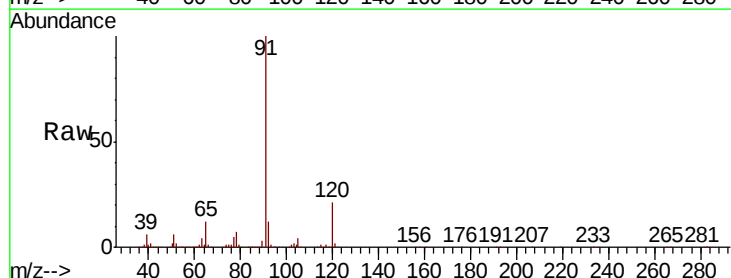
RT: 11.70 min Scan# 1123

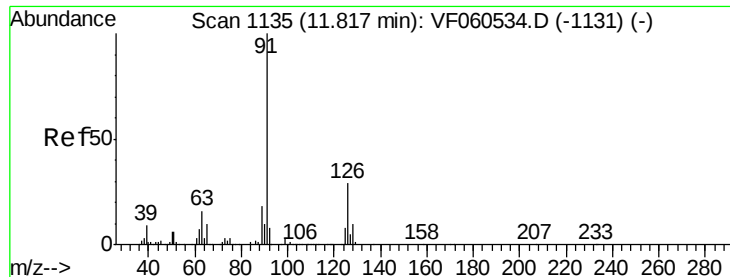
Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion	Ion	Ratio	Lower	Upper
1172689	91	100		
	120	21.4	10.7	32.1





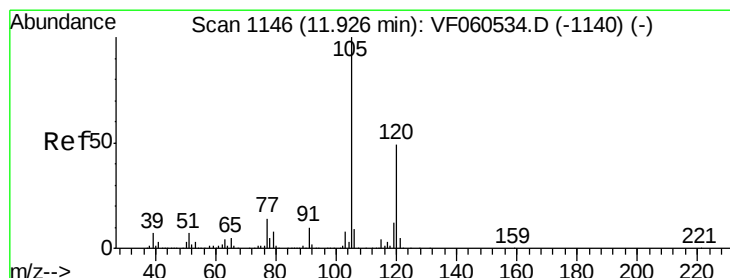
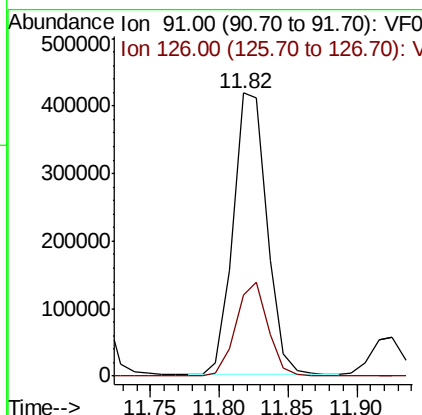
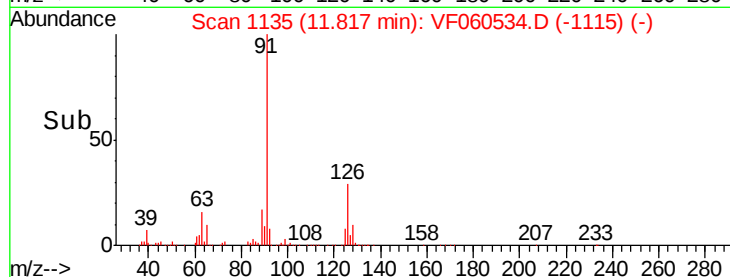
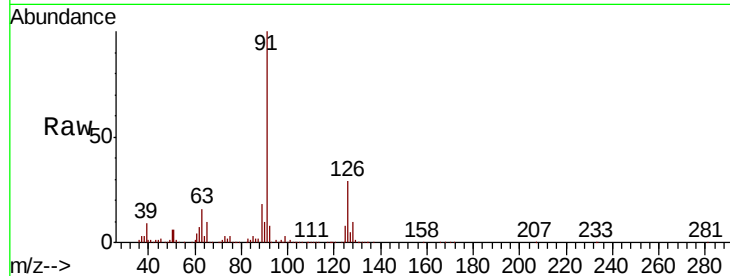
#79
 2-Chlorotoluene
 Concen: 47.098 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 714733
 Ion Ratio Lower Upper
 91 100
 126 28.5 14.2 42.8

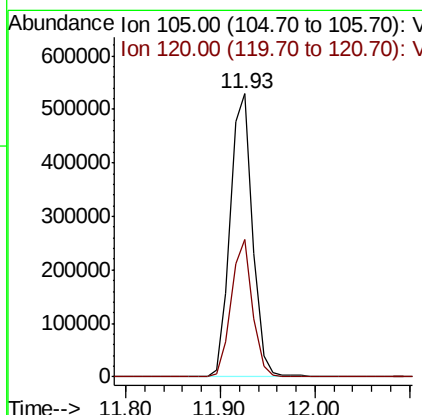
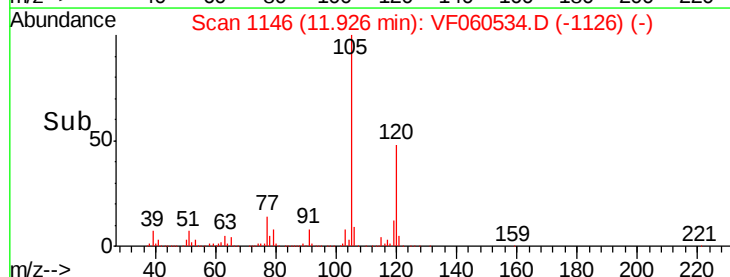
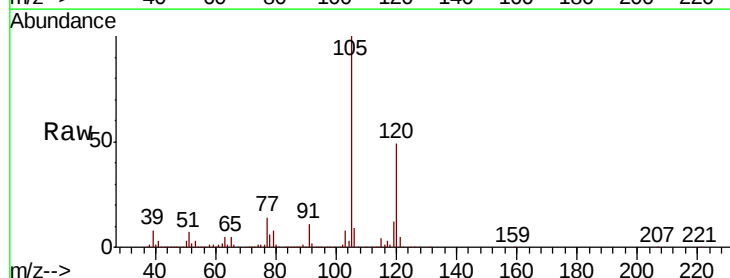
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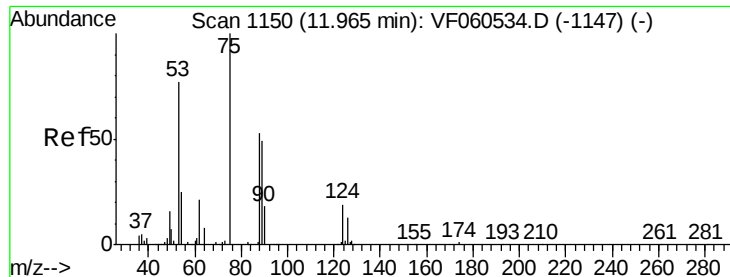
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#80
 1,3,5-Trimethylbenzene
 Concen: 46.106 ug/l
 RT: 11.93 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion: 105 Resp: 866836
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.096 ug/l m

RT: 11.97 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Instrument :

MSVOA_F

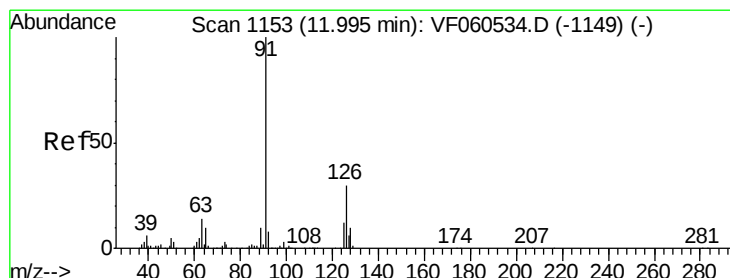
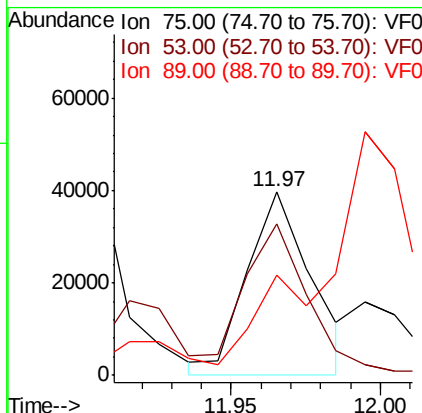
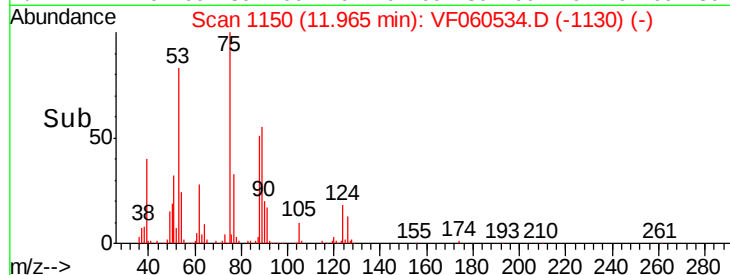
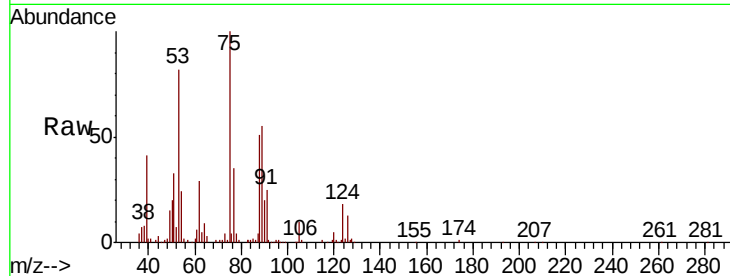
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	59252
Ion Ratio	Lower	Upper	
75	100		
53	82.2	65.8	98.6
89	55.0	44.0	66.0

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#82

4-Chlorotoluene

Concen: 45.314 ug/l

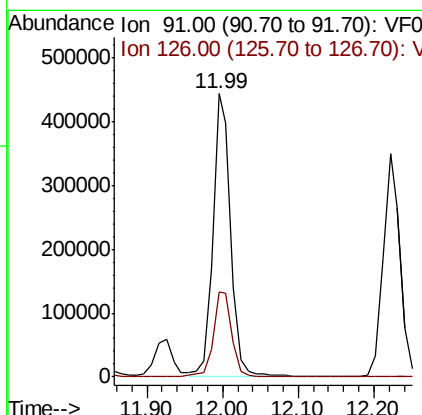
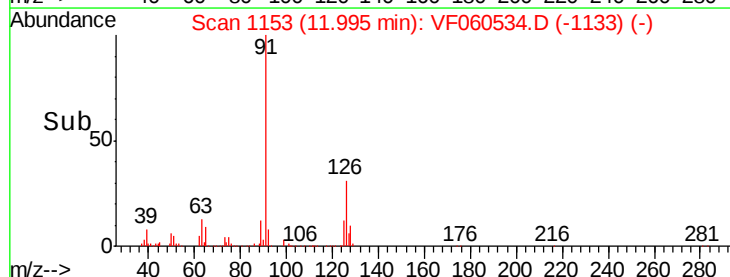
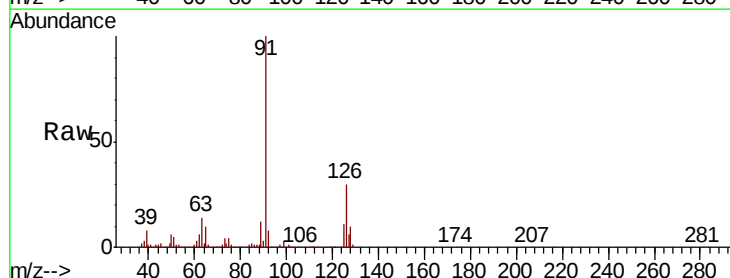
RT: 11.99 min Scan# 1153

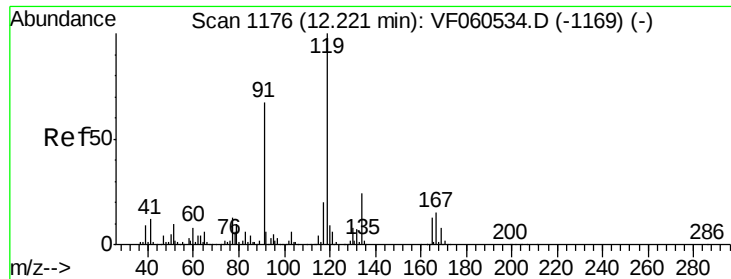
Delta R.T. 0.00 min

Lab File: VF060534.D

Acq: 29 Oct 2018 17:53

Tgt Ion:	91	Resp:	728022
Ion Ratio	Lower	Upper	
91	100		
126	30.2	15.1	45.3





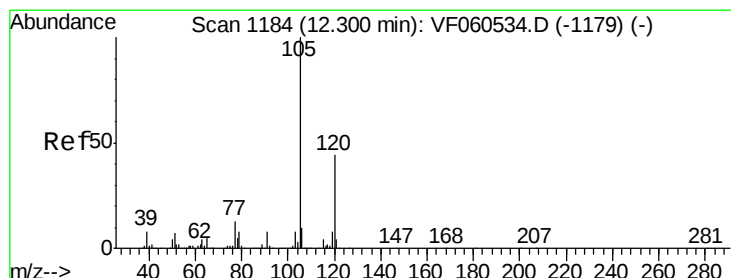
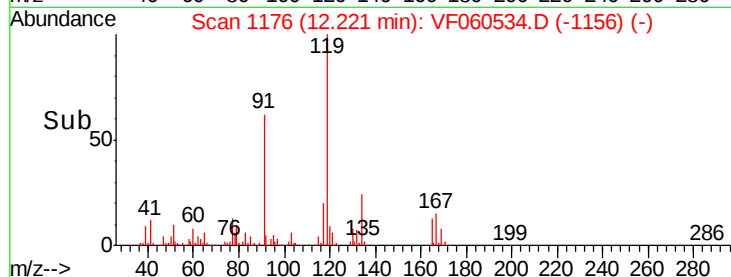
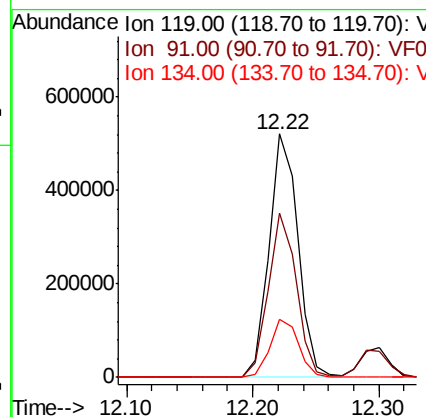
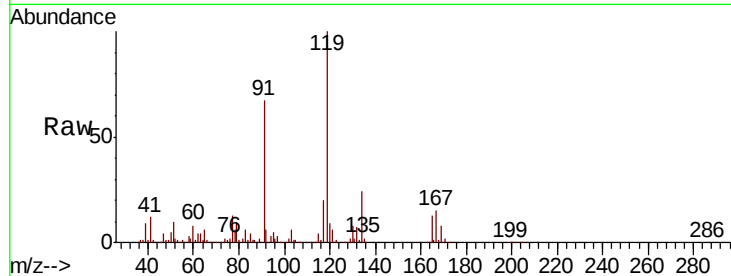
#83
 tert-Butylbenzene
 Concen: 44.526 ug/l
 RT: 12.22 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.6	100.8
134	24.0	12.0	36.0

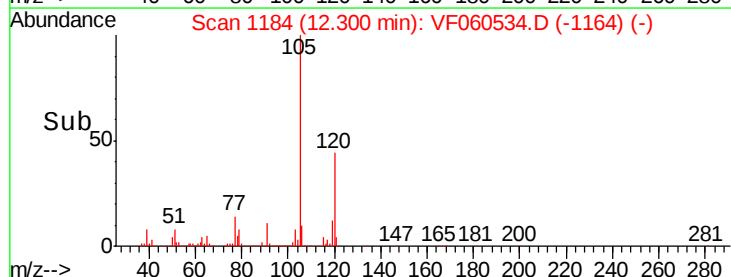
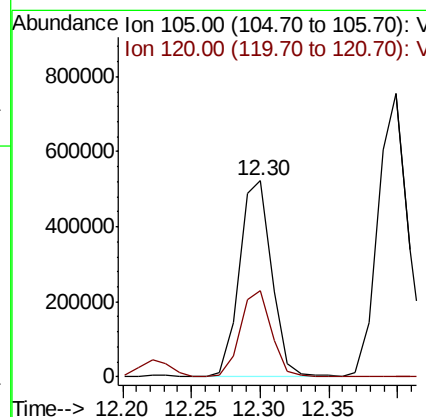
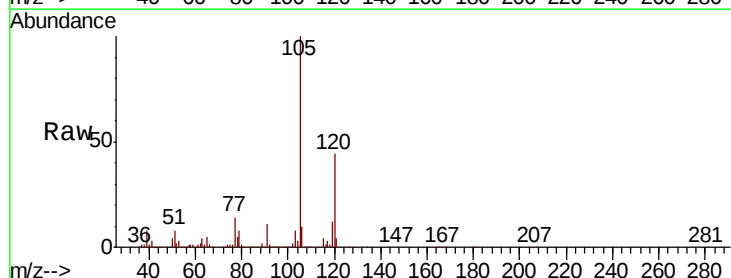
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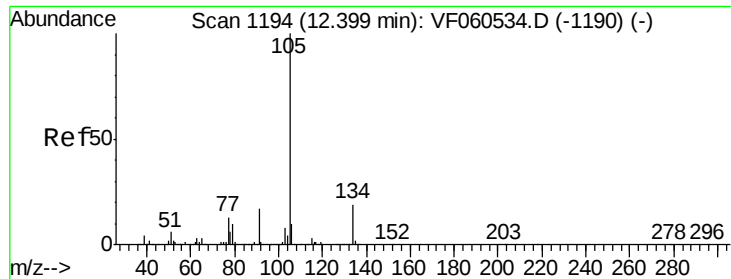
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.901 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.0	66.0





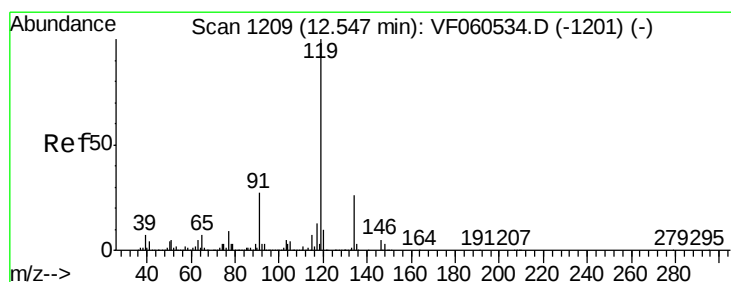
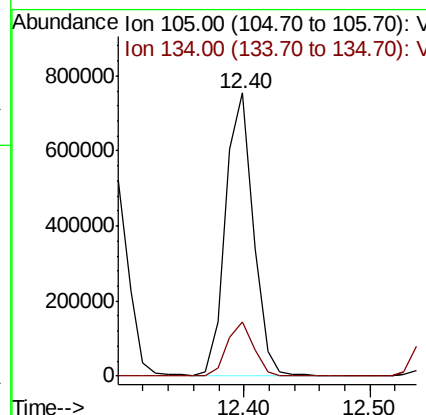
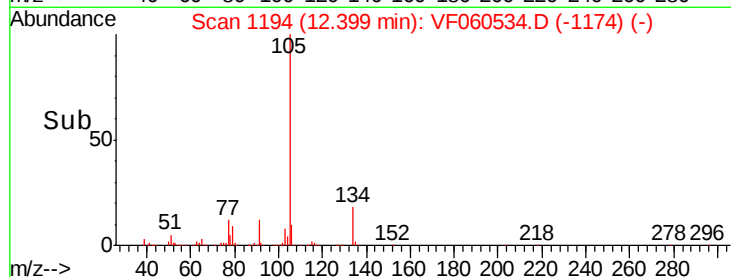
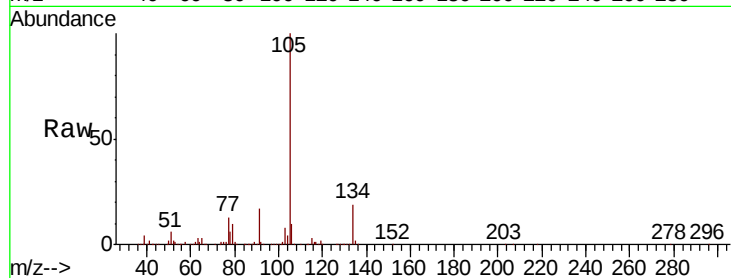
#85
 sec-Butylbenzene
 Concen: 45.044 ug/l
 RT: 12.40 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1145214
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.6 28.6

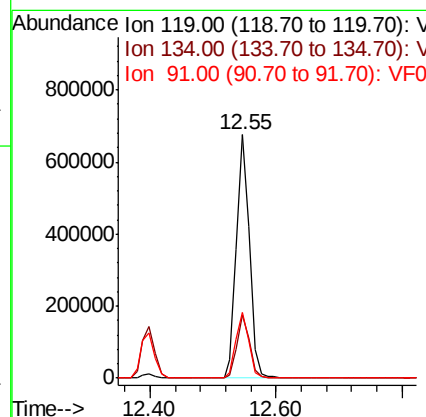
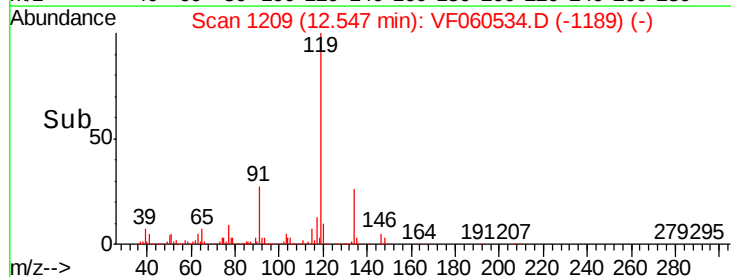
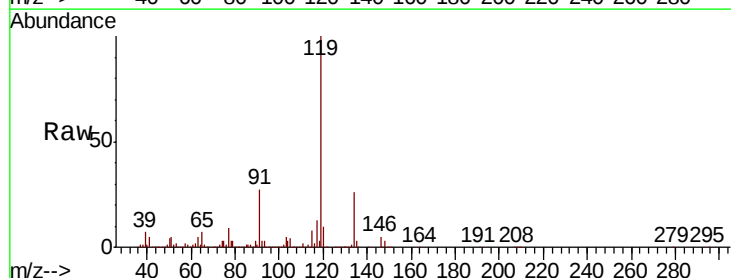
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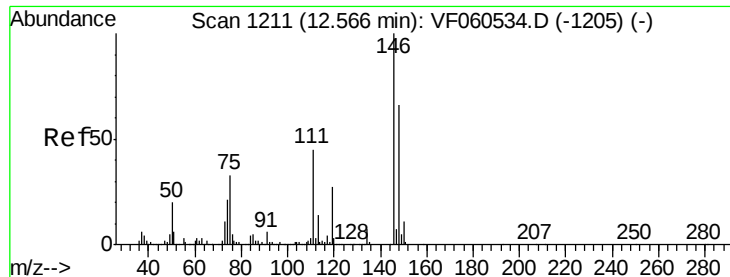
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#86
 p-Isopropyltoluene
 Concen: 44.355 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion:119 Resp: 953693
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 26.9 13.5 40.4





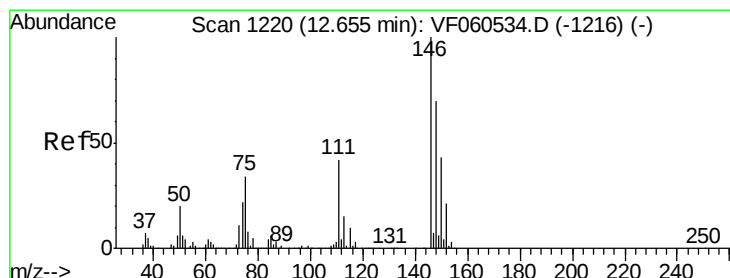
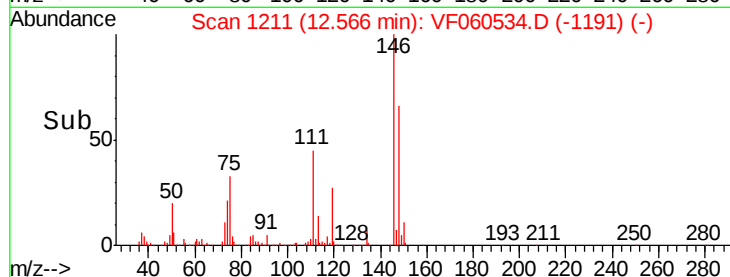
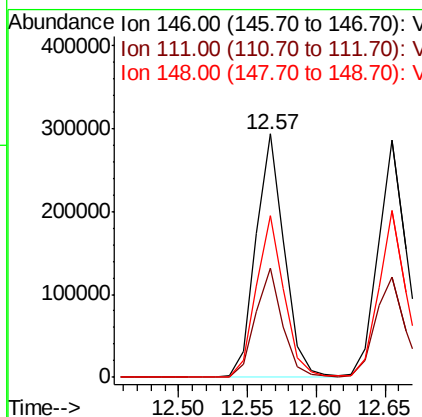
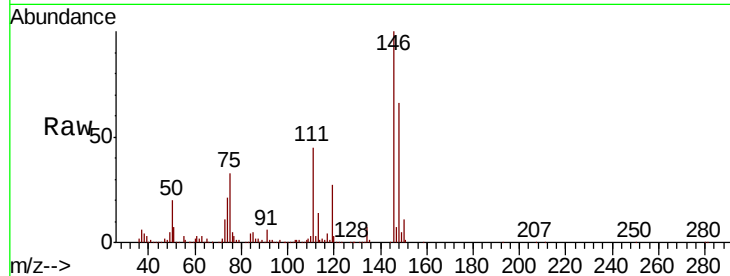
#87
 1,3-Dichlorobenzene
 Concen: 46.391 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.6	67.7
148	66.2	33.1	99.3

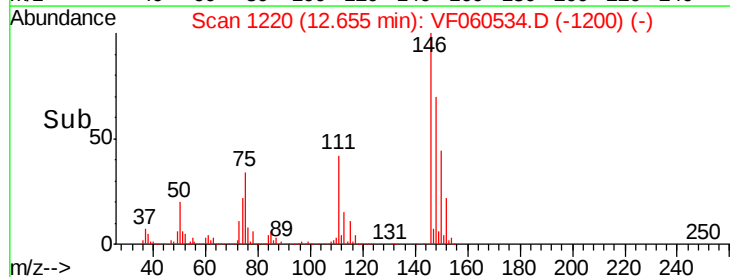
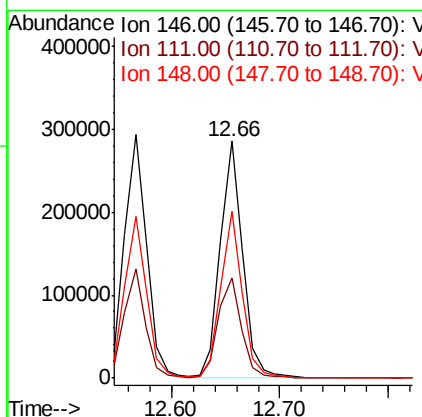
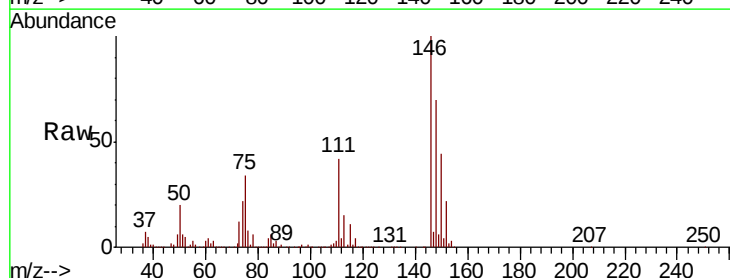
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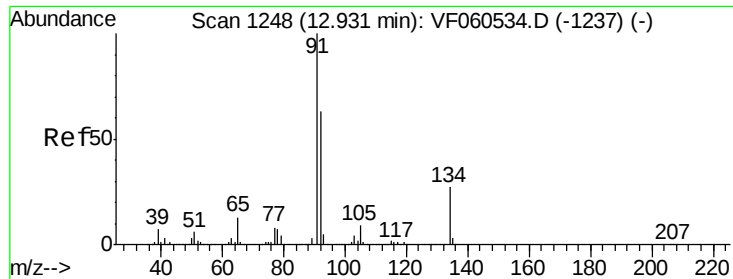
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#88
 1,4-Dichlorobenzene
 Concen: 46.976 ug/l
 RT: 12.66 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	70.3	35.1	105.5





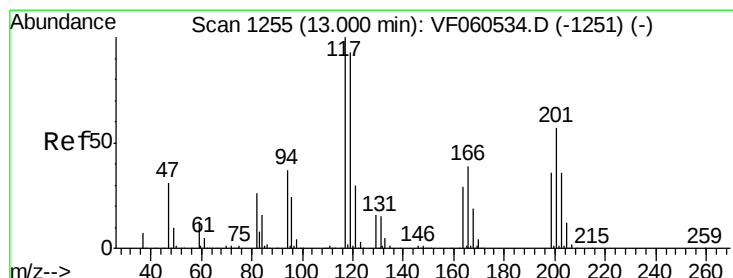
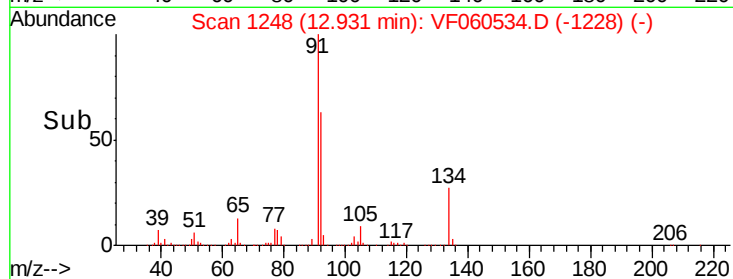
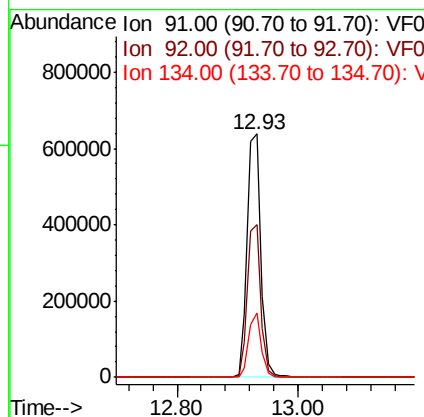
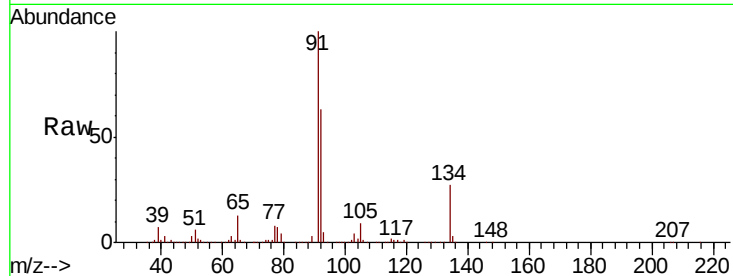
#89
n-Butylbenzene
Concen: 43.920 ug/l
RT: 12.93 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.6	31.3	93.9
134	26.5	13.3	39.8

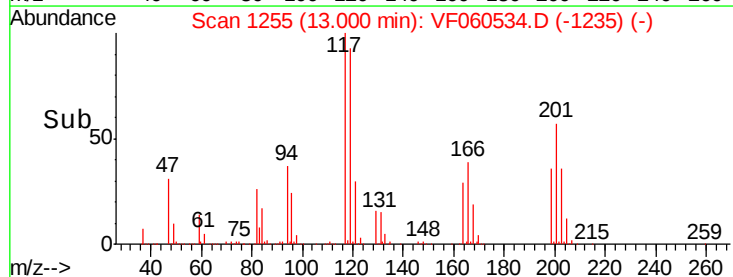
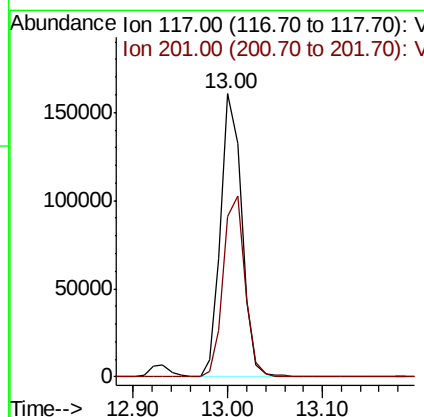
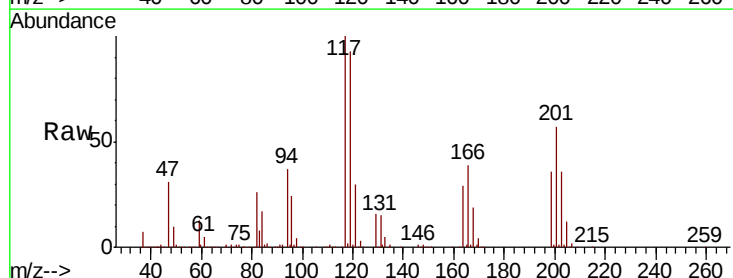
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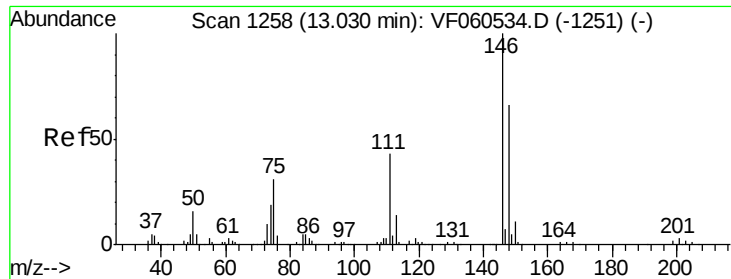
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#90
Hexachloroethane
Concen: 44.599 ug/l
RT: 13.00 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	56.5	28.2	84.7





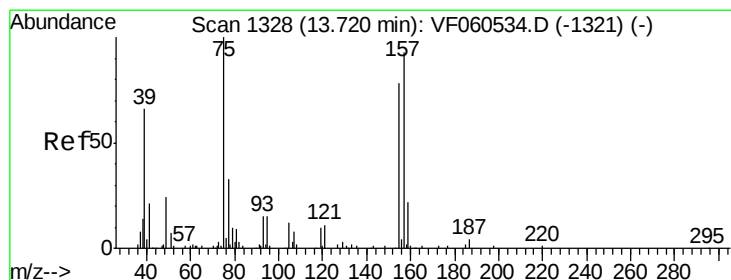
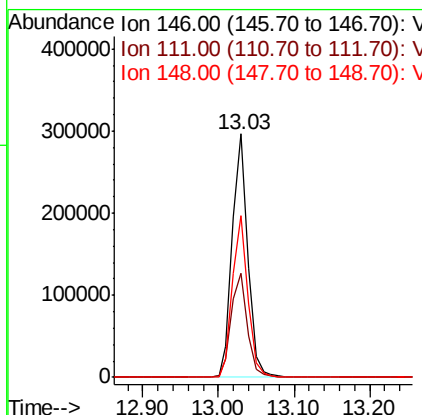
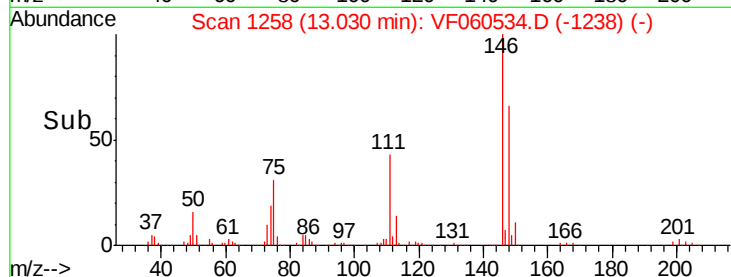
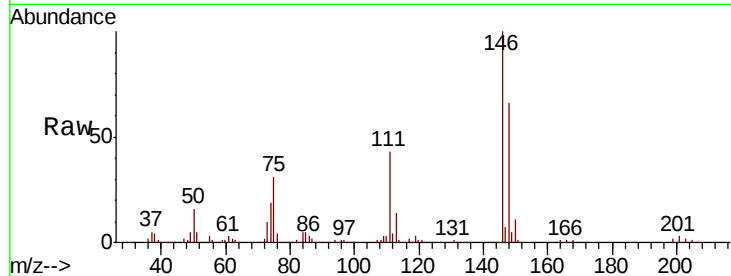
#91
 1,2-Dichlorobenzene
 Concen: 47.815 ug/l
 RT: 13.03 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	66.3	33.1	99.5

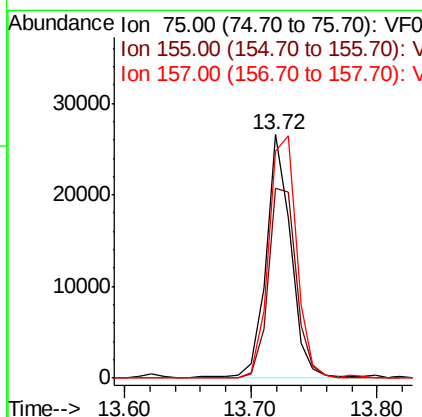
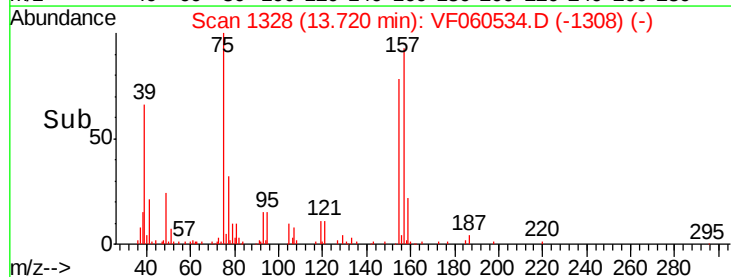
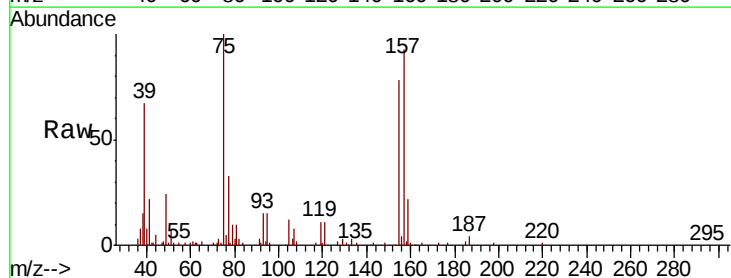
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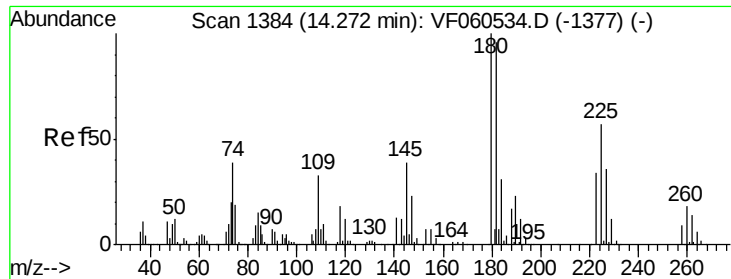
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.072 ug/l
 RT: 13.72 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VF060534.D
 Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	40.8	122.5
157	93.0	46.5	139.5





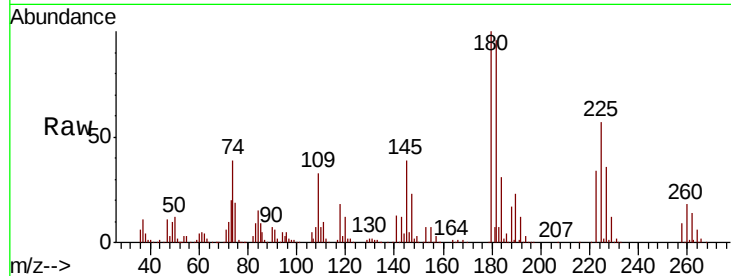
#93
1,2,4-Trichlorobenzene
Concen: 43.804 ug/l
RT: 14.27 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	307343		
182	96.2	48.1	144.3	
145	39.0	19.5	58.5	

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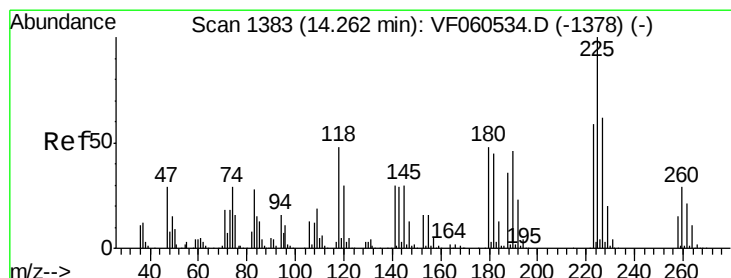
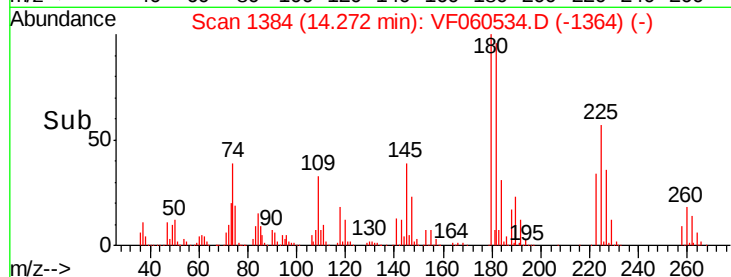
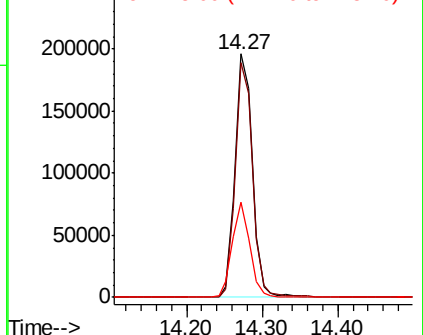


Abundance

Ion 180.00 (179.70 to 180.70): V

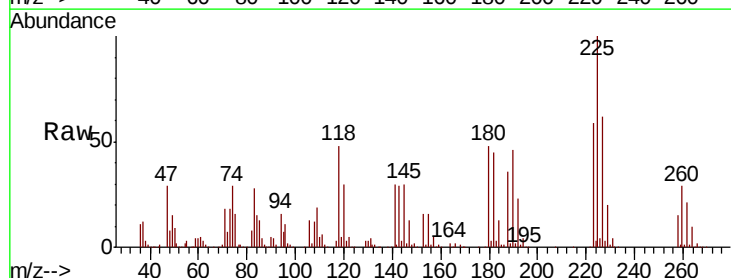
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 42.391 ug/l
RT: 14.26 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	219179		
223	59.0	29.5	88.5	
227	62.5	31.3	93.8	

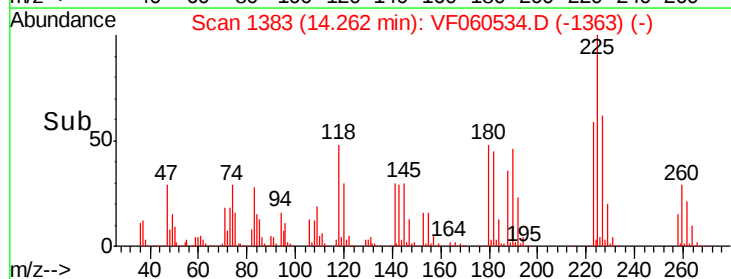
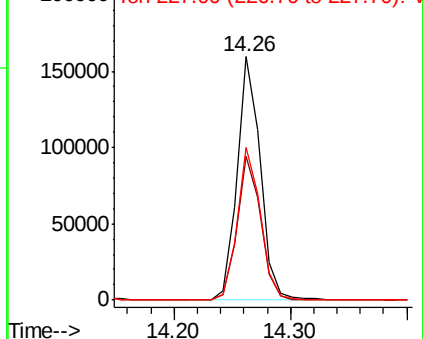


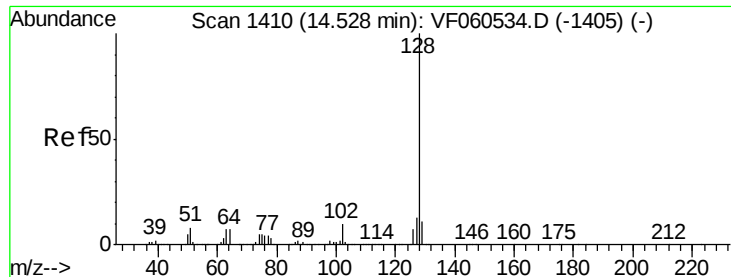
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





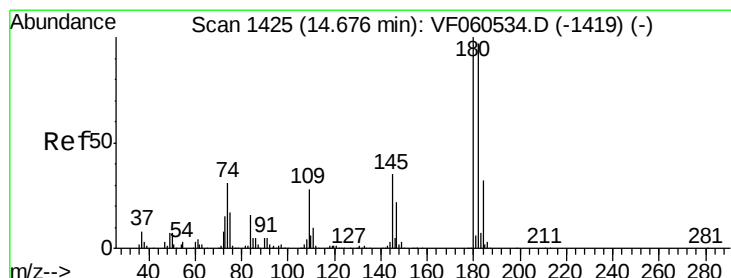
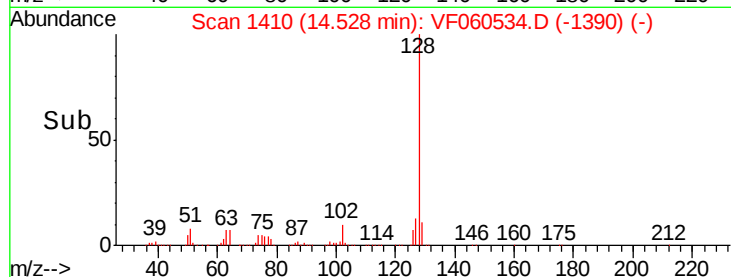
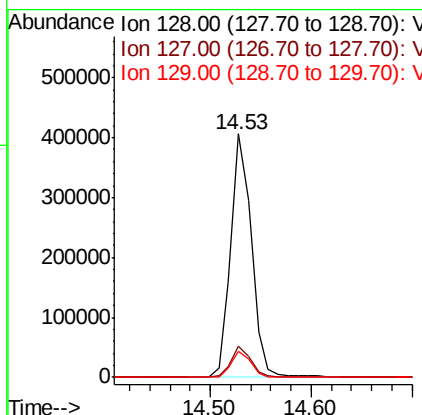
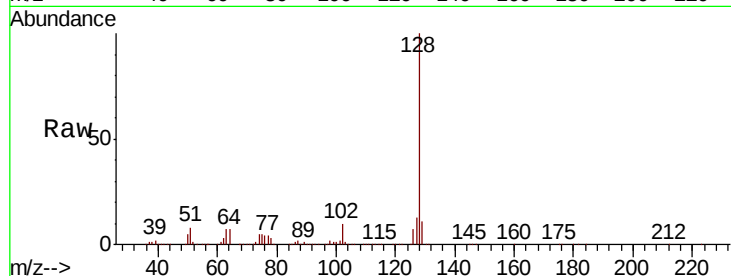
#95
Naphthalene
Concen: 51.554 ug/l
RT: 14.53 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	581555		
127	12.6		10.1	15.1
129	10.9		8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 46.800 ug/l
RT: 14.68 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VF060534.D
Acq: 29 Oct 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	302475		
182	97.4		48.7	146.1
145	34.7		17.3	52.0

