

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060536.D
 Acq On : 29 Oct 2018 18:50
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

apatel
 10/30/2018 2:07:30 PM

Quant Time: Oct 30 04:58:08 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	316136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	541912	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	491577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	270198	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	486849	80.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	160.84%	
35) Dibromofluoromethane	4.31	113	472965	75.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.78%	
50) Toluene-d8	7.72	98	1192860	91.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.56%	
62) 4-Bromofluorobenzene	11.52	95	562974	79.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	505094	61.977	ug/l	98
3) Chloromethane	1.14	50	309112	78.751	ug/l	93
4) Vinyl Chloride	1.18	62	332686	74.859	ug/l	99
5) Bromomethane	1.37	94	256224	58.812	ug/l	100
6) Chloroethane	1.43	64	169456	62.986	ug/l	97
7) Trichlorofluoromethane	1.55	101	804884	58.765	ug/l	99
8) Diethyl Ether	1.70	74	104191	78.272	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	374986	63.407	ug/l	95
10) Methyl Iodide	1.97	142	632708	74.678	ug/l	92
11) Tert butyl alcohol	2.69	59	100688	317.196	ug/l	98
12) 1,1-Dichloroethene	1.85	96	302357	70.324	ug/l	96
13) Acrolein	2.09	56	80869	307.724	ug/l	99
14) Allyl chloride	2.20	41	517091	74.943	ug/l	91
15) Acrylonitrile	3.08	53	221044	436.572	ug/l	95
16) Acetone	2.35	43	420620	296.670	ug/l	99
17) Carbon Disulfide	1.89	76	888670	73.892	ug/l #	91
18) Methyl Acetate	2.45	43	144374	72.434	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	747263	69.875	ug/l	100
20) Methylene Chloride	2.29	84	297652	68.587	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	322458	77.252	ug/l	95
22) Diisopropyl ether	2.94	45	949902	77.118	ug/l	98
23) Vinyl Acetate	3.34	43	1911861	474.265	ug/l	99
24) 1,1-Dichloroethane	3.01	63	649842	70.184	ug/l	98
25) 2-Butanone	4.52	43	543546	477.754	ug/l	99
26) 2,2-Dichloropropane	3.77	77	426159	69.190	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	426073	102.709	ug/l	98
28) Bromochloromethane	3.90	49	249494	86.776	ug/l	89
29) Tetrahydrofuran	4.26	42	212653	477.367	ug/l	96
30) Chloroform	4.05	83	873536	79.784	ug/l	100
31) Cyclohexane	3.88	56	507817	103.092	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	766434	77.081	ug/l	99
36) 1,1-Dichloropropene	4.47	75	603087	76.719	ug/l	97
37) Ethyl Acetate	4.30	43	210982	81.365	ug/l	96
38) Carbon Tetrachloride	4.18	117	726750m	63.506	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	610180	92.210	ug/l	97
40) Benzene	4.82	78	1268109	94.855	ug/l	96
41) Methacrylonitrile	4.93	41	116109	86.986	ug/l	94
42) 1,2-Dichloroethane	5.13	62	596228	73.089	ug/l	95
43) Isopropyl Acetate	7.12	43	287267	102.747	ug/l	94
44) Trichloroethene	5.69	130	387986	84.672	ug/l	95
45) 1,2-Dichloropropane	6.42	63	327659	97.807	ug/l	95
46) Dibromomethane	6.27	93	262930	85.404	ug/l	92
47) Bromodichloromethane	6.55	83	653584	76.859	ug/l	100
48) Methyl methacrylate	6.89	41	190271	91.909	ug/l	95
49) 1,4-Dioxane	6.88	88	35687	1957.153	ug/l #	64
51) 4-Methyl-2-Pentanone	8.42	43	897414	421.678	ug/l	98
52) Toluene	7.80	92	873689	99.254	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	514720	80.915	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	624690	93.795	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	250511	91.582	ug/l	98
56) Ethyl methacrylate	8.77	69	302536	101.230	ug/l	97
57) 1,3-Dichloropropane	9.01	76	429604	88.733	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	144039	373.465	ug/l	100
59) 2-Hexanone	9.64	43	641917	404.966	ug/l	91
60) Dibromochloromethane	8.87	129	425617	83.779	ug/l	93
61) 1,2-Dibromoethane	9.15	107	299575	92.624	ug/l	95
64) Tetrachloroethene	8.32	164	363634	85.879	ug/l	97
65) Chlorobenzene	9.96	112	936235	89.760	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	403806	77.513	ug/l	96
67) Ethyl Benzene	10.05	91	1674175	79.793	ug/l	94
68) m/p-Xylenes	10.28	106	1146853	172.651	ug/l	89
69) o-Xylene	10.84	106	651936	86.620	ug/l	96
70) Styrene	10.91	104	939113	89.233	ug/l	99
71) Bromoform	10.90	173	219170	78.103	ug/l #	96
73) Isopropylbenzene	11.24	105	1837849	85.654	ug/l	97
74) N-amyl acetate	11.47	43	427065	109.623	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	349000	109.624	ug/l	98
76) 1,2,3-Trichloropropane	11.90	75	255808	94.565	ug/l	92
77) Bromobenzene	11.60	156	432968	95.927	ug/l	95
78) n-propylbenzene	11.70	91	2161868	86.403	ug/l	93
79) 2-Chlorotoluene	11.82	91	1302521	85.922	ug/l	93
80) 1,3,5-Trimethylbenzene	11.93	105	1561437	83.140	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.97	75	130604m	114.954	ug/l	
82) 4-Chlorotoluene	12.00	91	1405059	87.547	ug/l	98
83) tert-Butylbenzene	12.22	119	1494241	79.831	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	1614289	86.827	ug/l	96
85) sec-Butylbenzene	12.40	105	2092040	82.373	ug/l	94
86) p-Isopropyltoluene	12.55	119	1724152	80.274	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	788679	86.331	ug/l	96
88) 1,4-Dichlorobenzene	12.66	146	789652	89.775	ug/l	100
89) n-Butylbenzene	12.92	91	1784839	78.006	ug/l	95
90) Hexachloroethane	13.00	117	485641	86.429	ug/l	88
91) 1,2-Dichlorobenzene	13.03	146	791942	90.435	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	77897	100.727	ug/l	91

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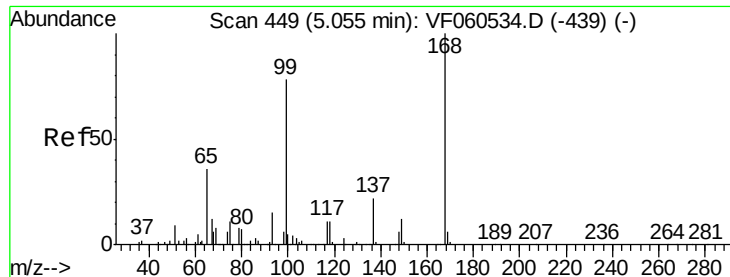
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	572196	81.639	ug/l	97
94) Hexachlorobutadiene	14.26	225	404015	78.223	ug/l	96
95) Naphthalene	14.53	128	1149905	102.046	ug/l	97
96) 1,2,3-Trichlorobenzene	14.68	180	557027	86.276	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 449

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 316136

Ion Ratio Lower Upper

168 100

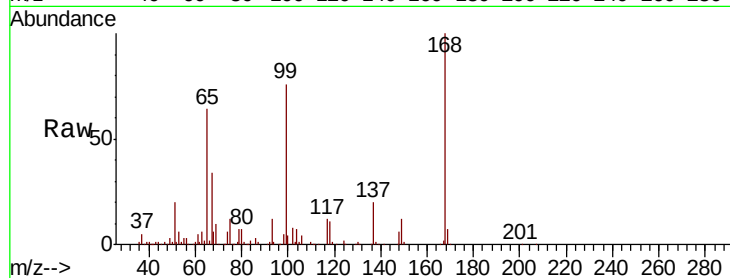
99 76.5 62.6 93.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

120000

100000

80000

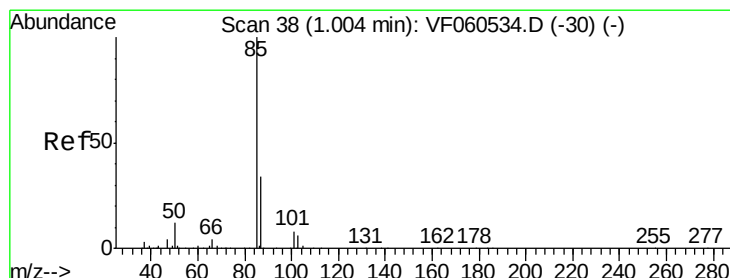
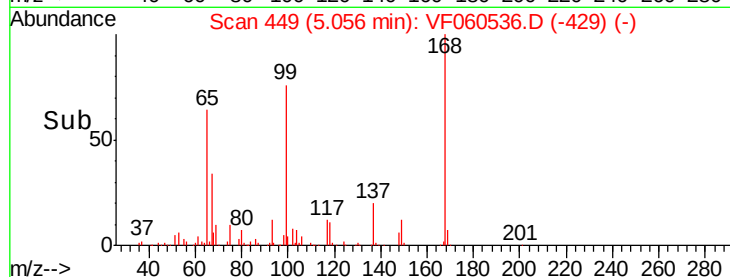
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 61.977 ug/l

RT: 1.00 min Scan# 38

Delta R.T. 0.00 min

Lab File: VF060536.D

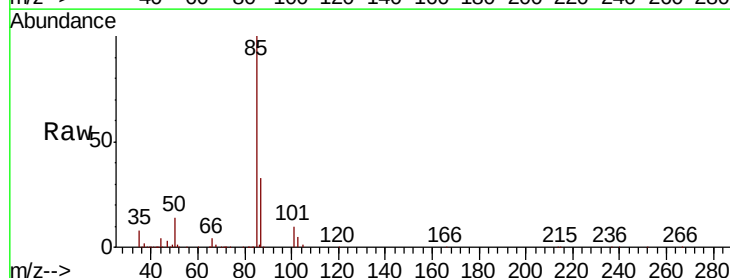
Acq: 29 Oct 2018 18:50

Tgt Ion: 85 Resp: 505094

Ion Ratio Lower Upper

85 100

87 32.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

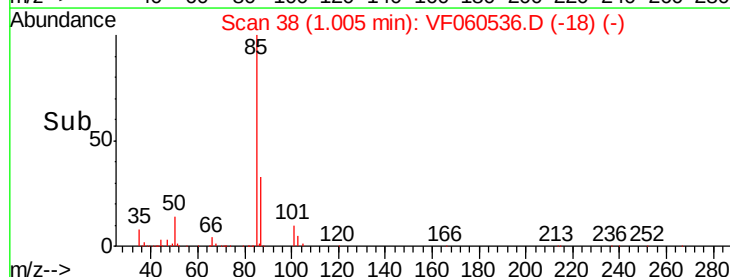
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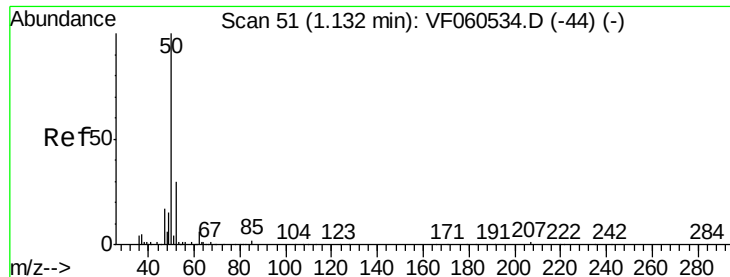
100000

50000

0

Time-->





#3

Chloromethane

Concen: 78.751 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 309112

Ion Ratio Lower Upper

50 100

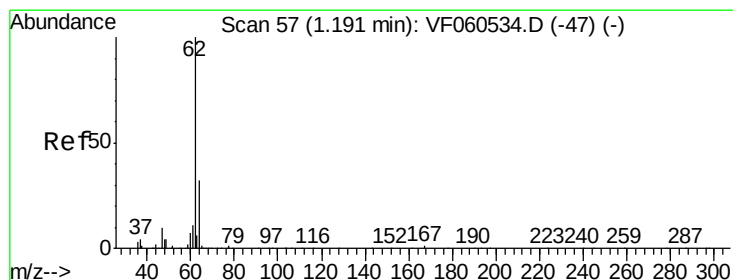
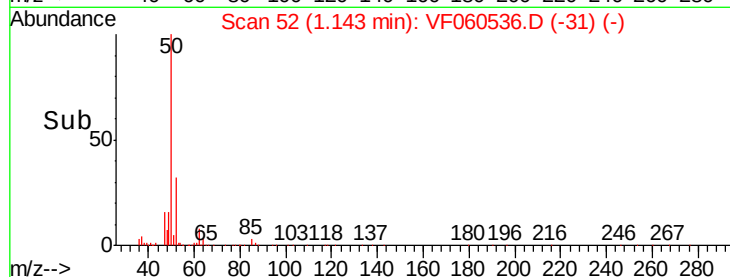
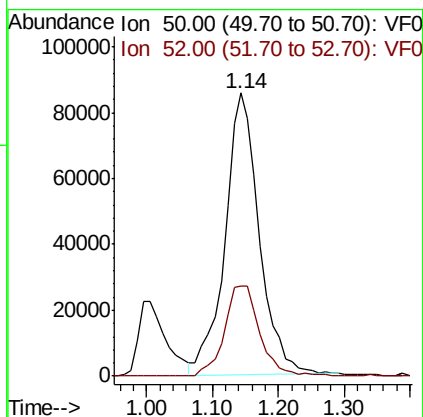
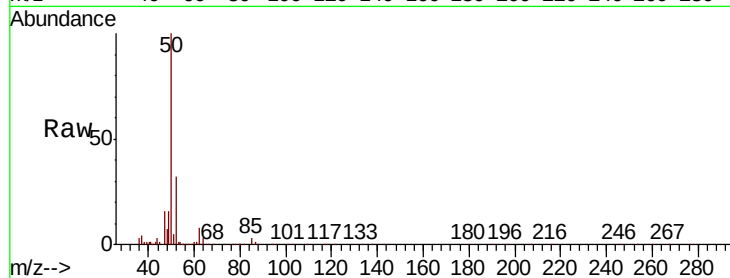
52 32.0 22.8 34.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 74.859 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF060536.D

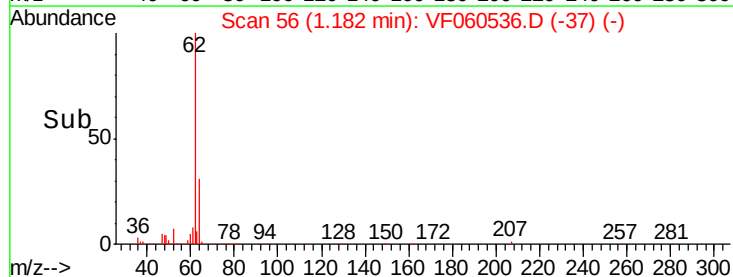
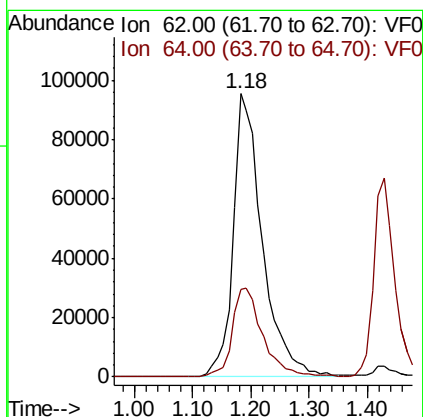
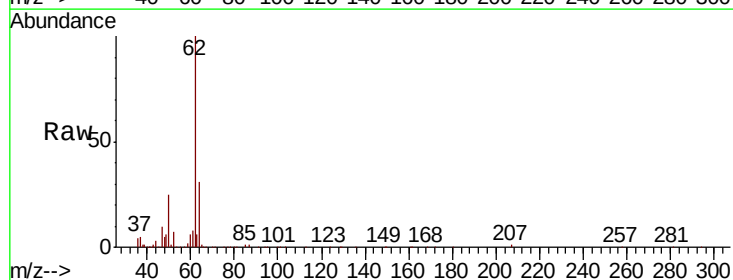
Acq: 29 Oct 2018 18:50

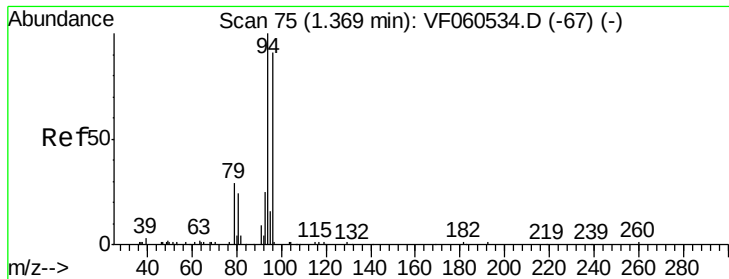
Tgt Ion: 62 Resp: 332686

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 58.812 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

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VSTDIC100

Tot Ion: 94 Resp: 256224

Ion Ratio Lower Upper

94 100

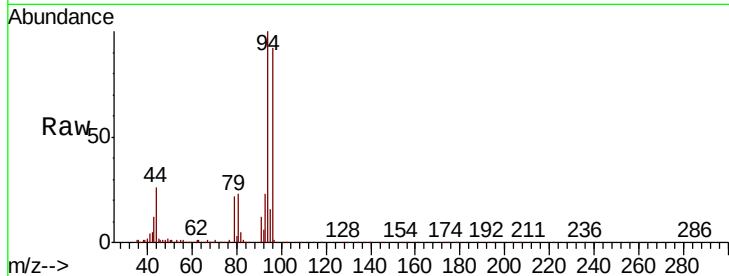
96 91.8 73.2 109.8

Manual Integrations

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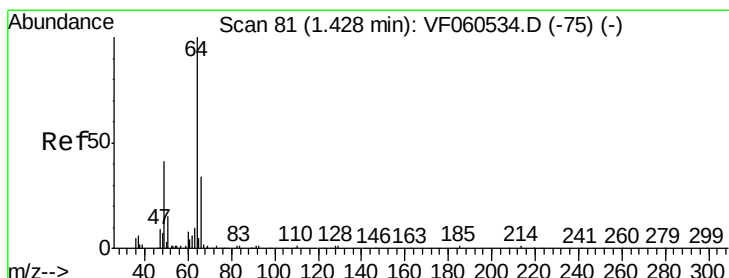
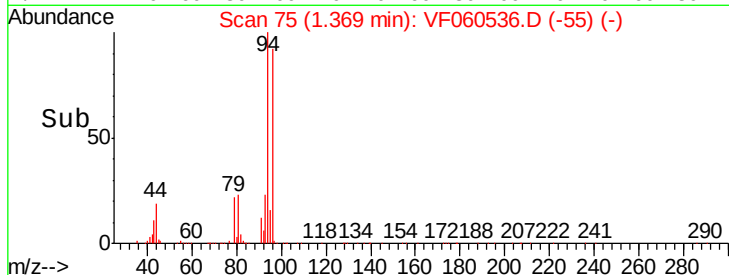
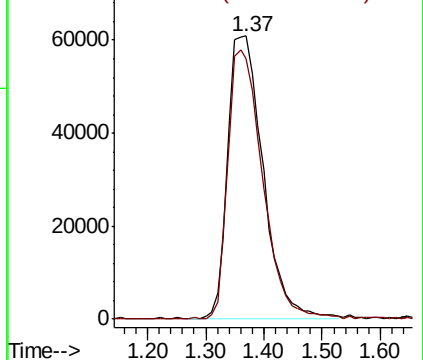
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 62.986 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060536.D

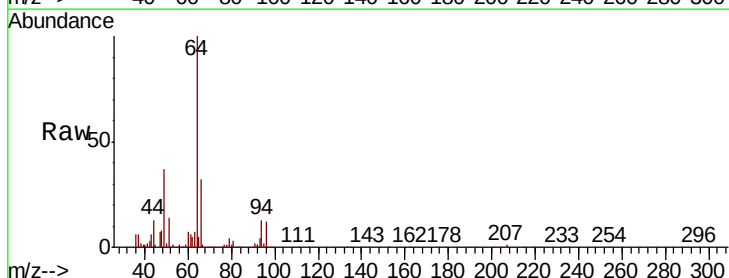
Acq: 29 Oct 2018 18:50

Tgt Ion: 64 Resp: 169456

Ion Ratio Lower Upper

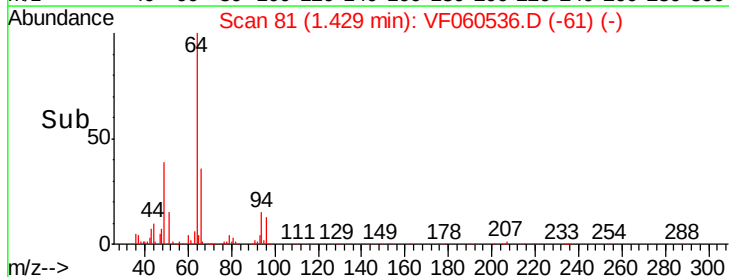
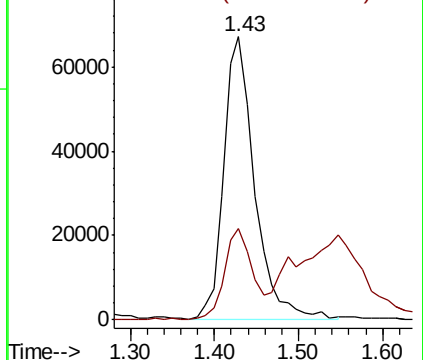
64 100

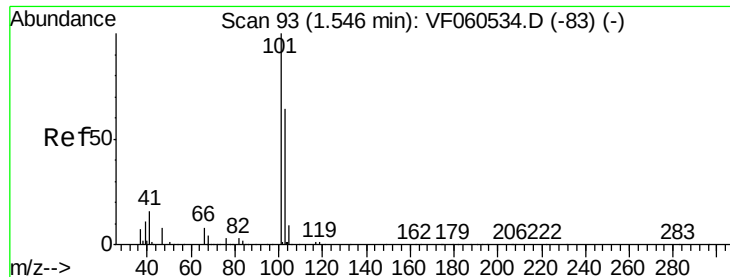
66 32.3 27.1 40.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

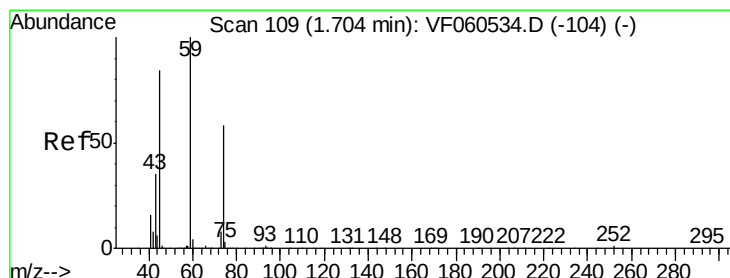
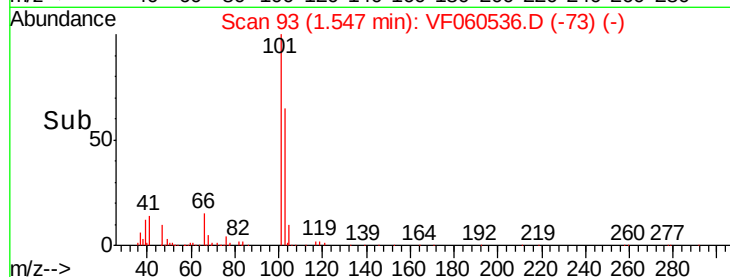
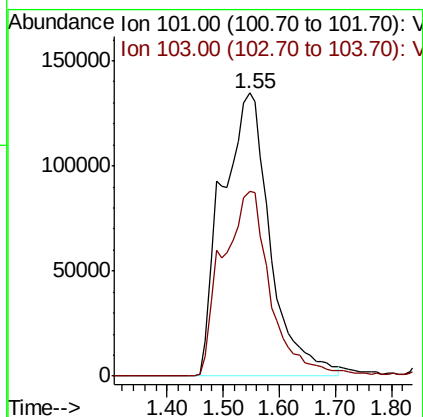
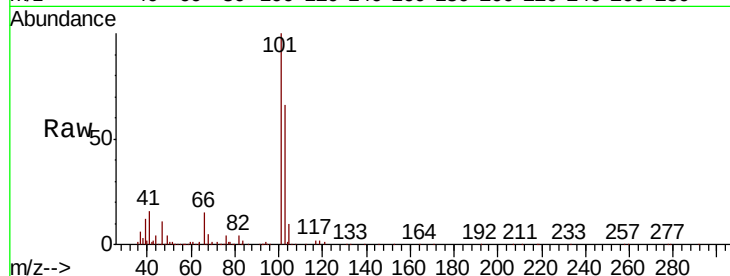
Trichlorofluoromethane
Concen: 58.765 ug/l
RT: 1.55 min Scan# 93
Delta R.T. 0.00 min
Lab File: VF060536.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.6	77.4

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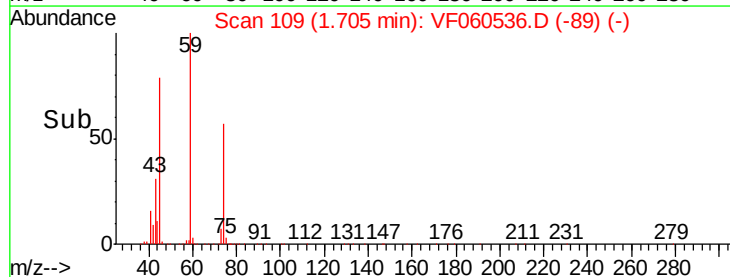
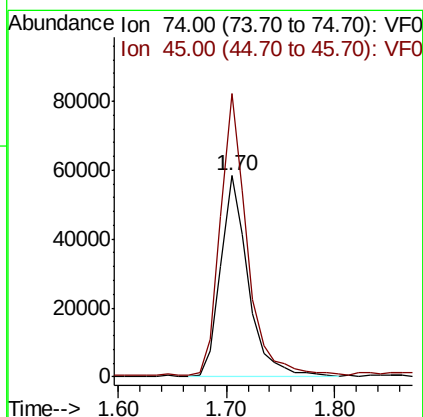
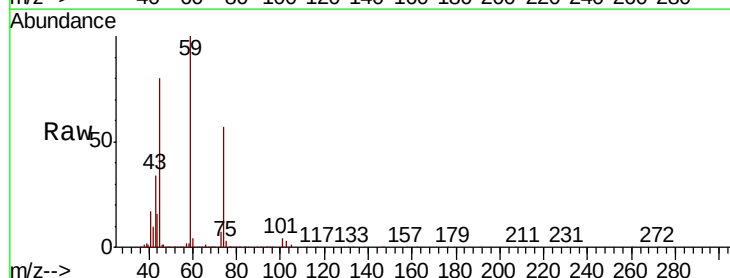
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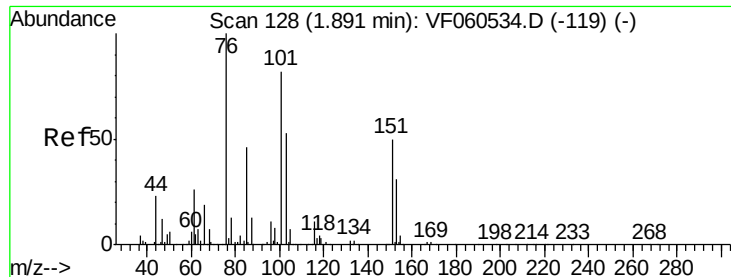


#8

Diethyl Ether
Concen: 78.272 ug/l
RT: 1.70 min Scan# 109
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.6	72.9	218.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.407 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060536.D

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MSVOA_F

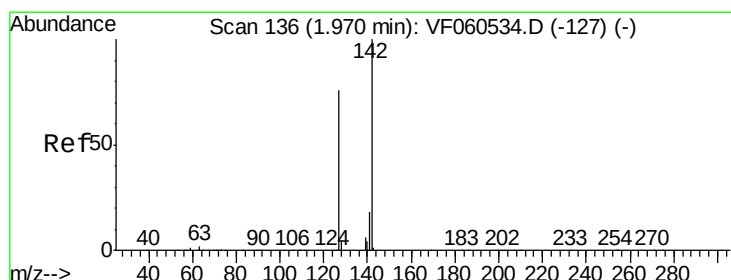
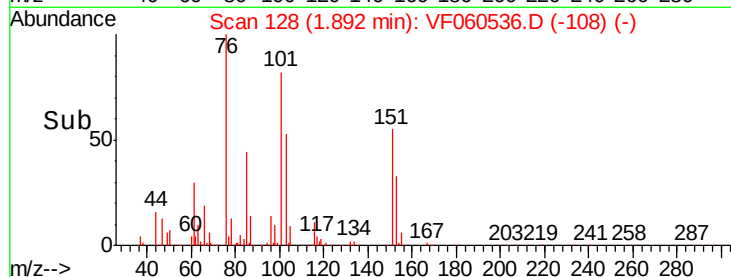
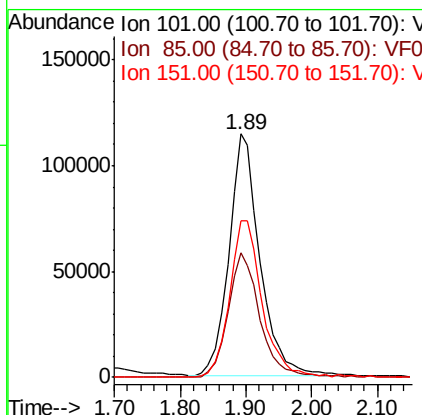
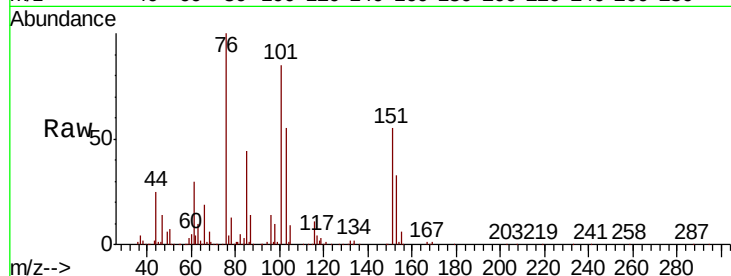
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	374986
Ion Ratio	Lower	Upper	
101	100		
85	51.4	44.6	67.0
151	64.2	48.4	72.6

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#10

Methyl Iodide

Concen: 74.678 ug/l

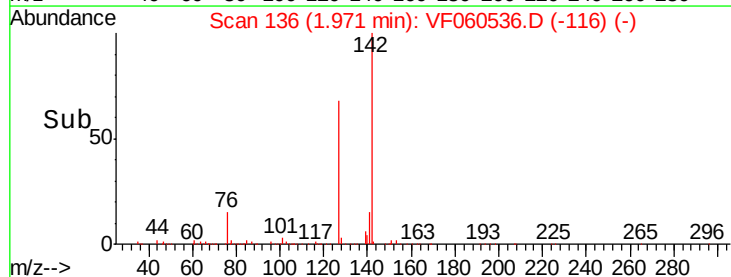
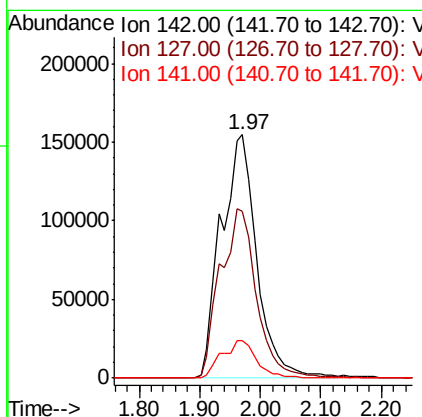
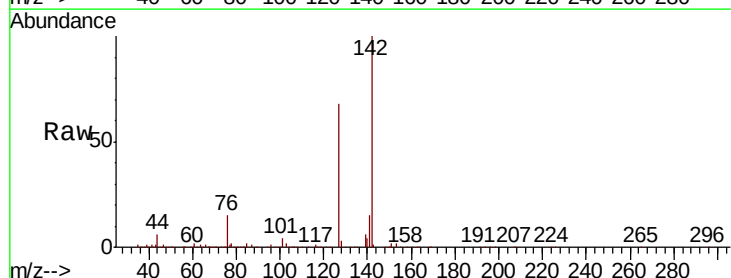
RT: 1.97 min Scan# 136

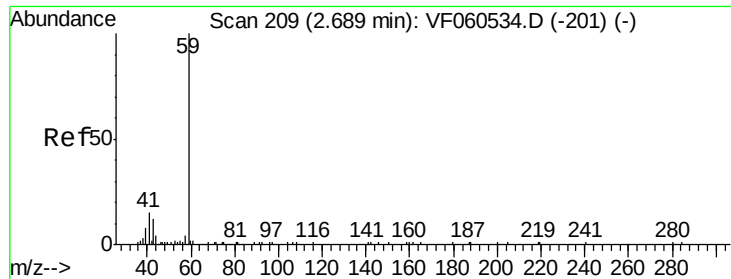
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion:	142	Resp:	632708
Ion Ratio	Lower	Upper	
142	100		
127	68.5	61.2	91.8
141	15.3	14.0	21.0





#11

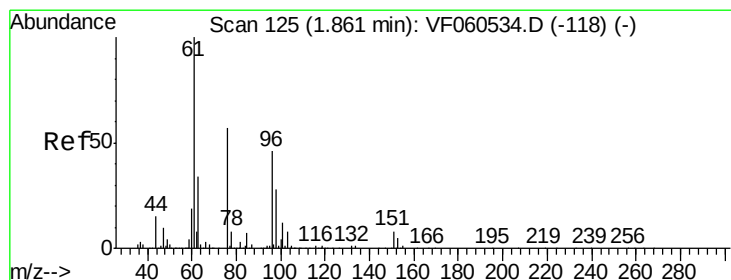
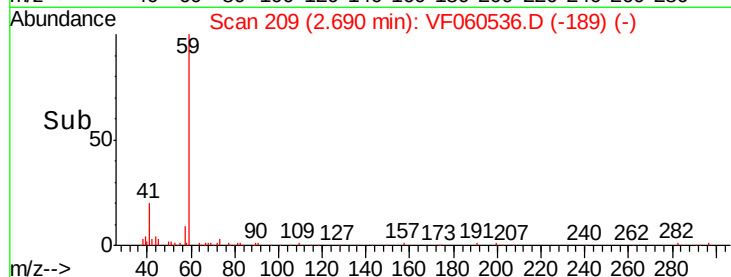
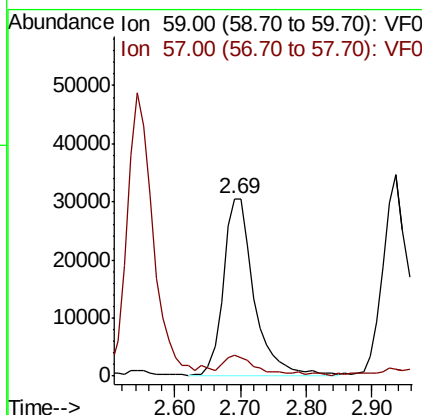
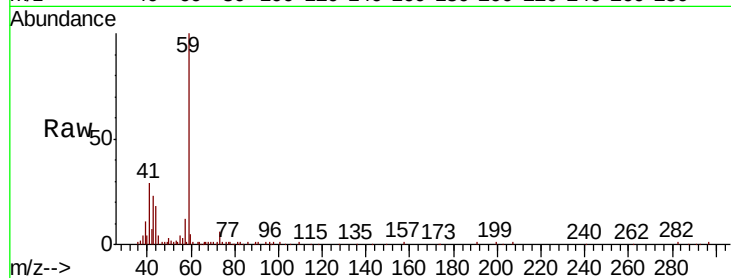
Tert butyl alcohol
Concen: 317.196 ug/l
RT: 2.69 min Scan# 209
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.9	13.3

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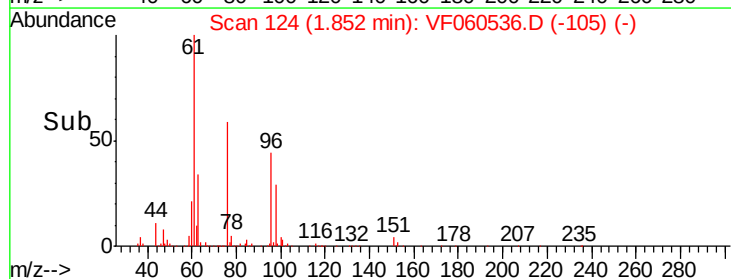
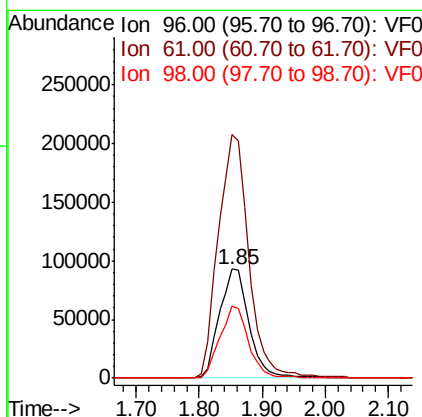
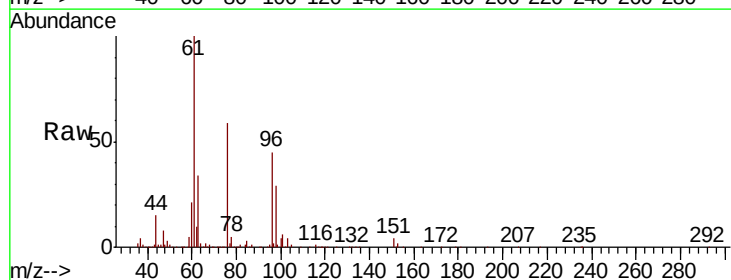
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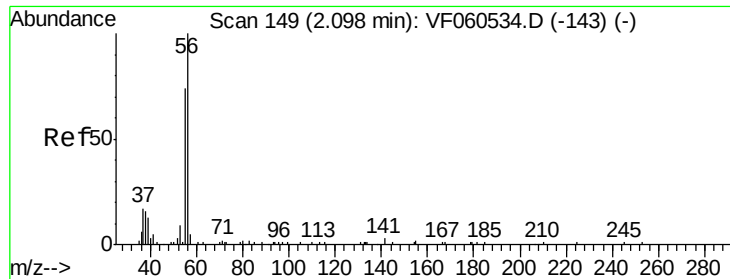


#12

1,1-Dichloroethene
Concen: 70.324 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.01 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	224.2	175.4	263.2
98	67.5	48.9	73.3





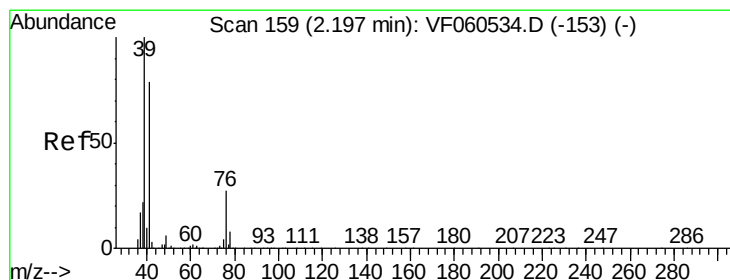
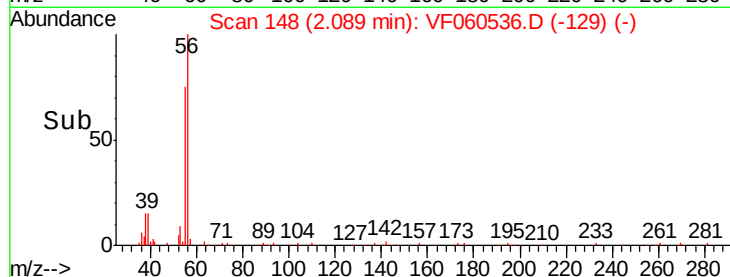
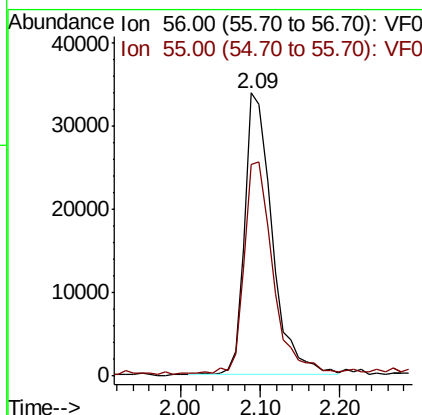
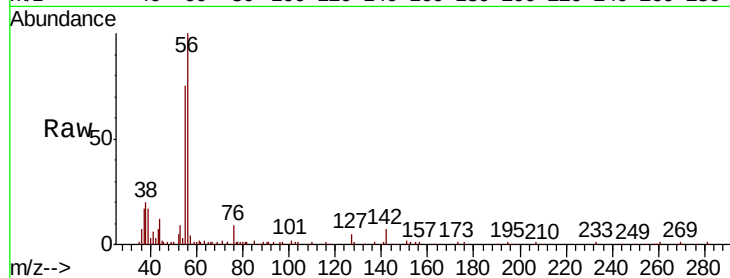
#13
Acrolein
Concen: 307.724 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	75.0	60.4	90.6

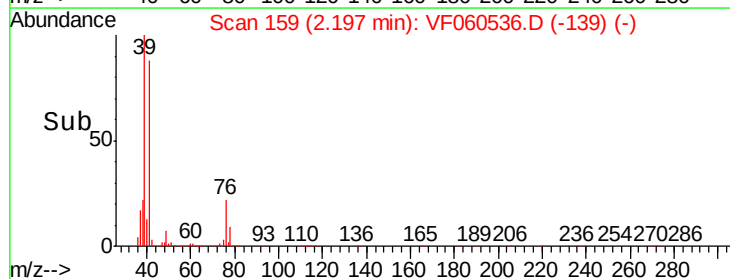
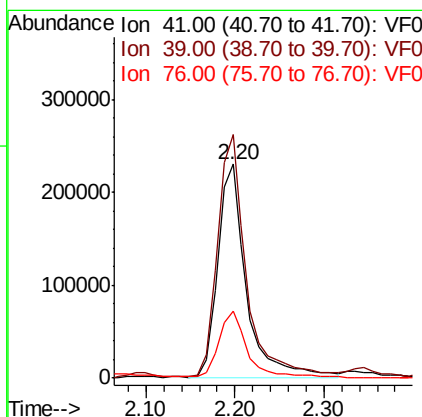
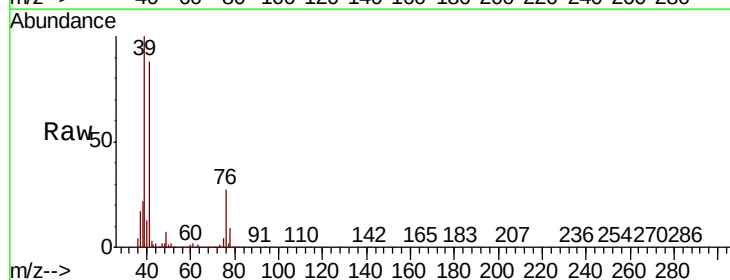
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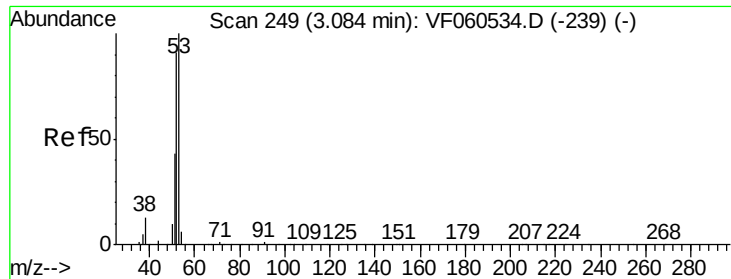
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#14
Allyl chloride
Concen: 74.943 ug/l
RT: 2.20 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
41	100		
39	113.9	100.6	151.0
76	31.1	27.6	41.4





#15

Acrylonitrile

Concen: 436.572 ug/l

RT: 3.08 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

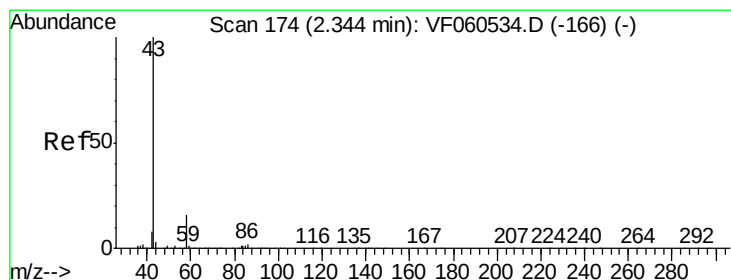
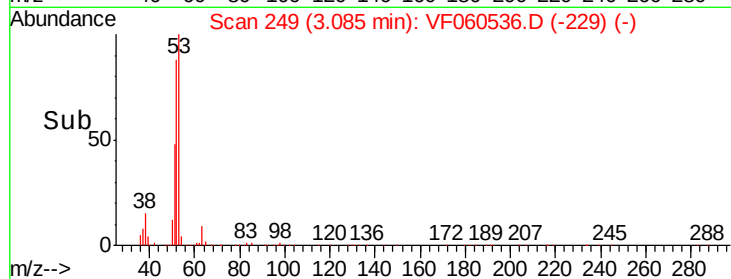
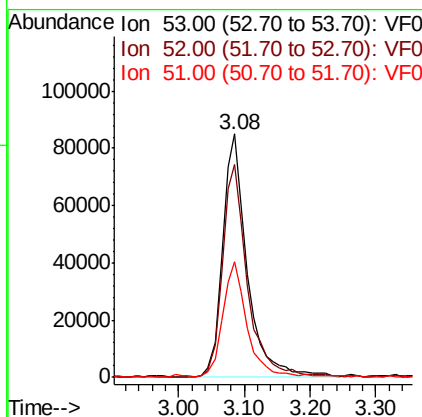
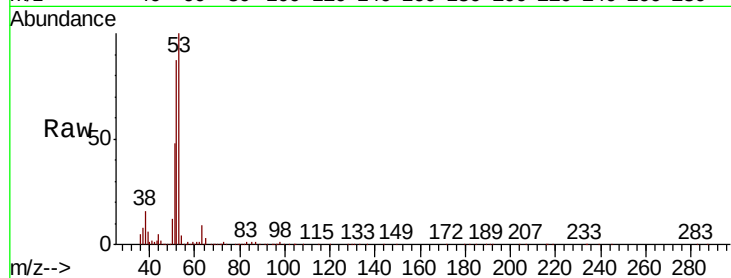
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	221044
Ion	Ratio	Lower	Upper
53	100		
52	87.3	73.2	109.8
51	47.6	35.0	52.4

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#16

Acetone

Concen: 296.670 ug/l

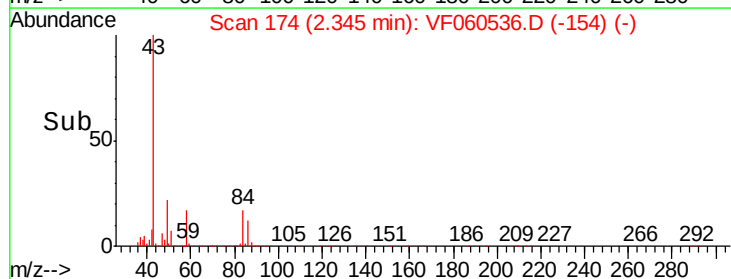
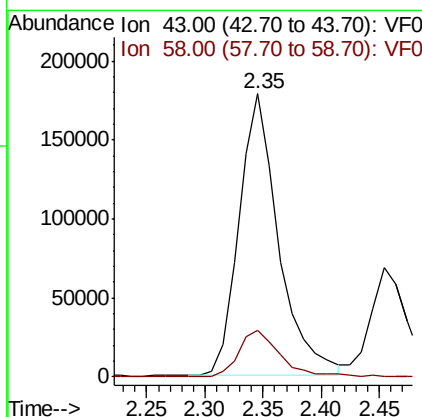
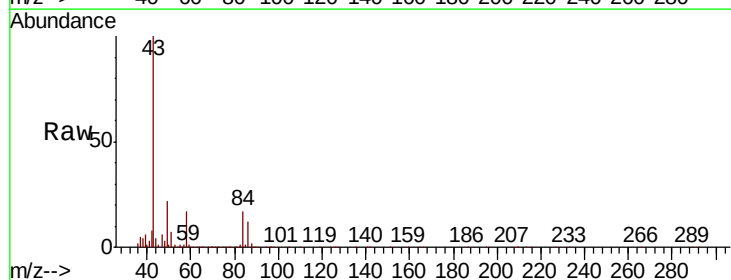
RT: 2.35 min Scan# 174

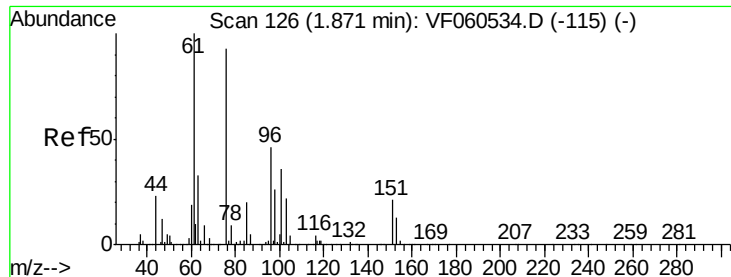
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion:	43	Resp:	420620
Ion	Ratio	Lower	Upper
43	100		
58	16.5	12.8	19.2





#17

Carbon Disulfide

Concen: 73.892 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.02 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 888670

Ion Ratio Lower Upper

76 100

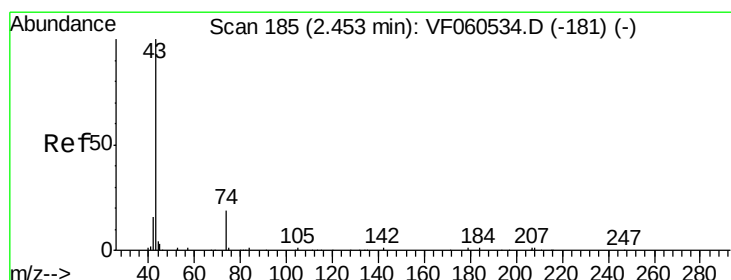
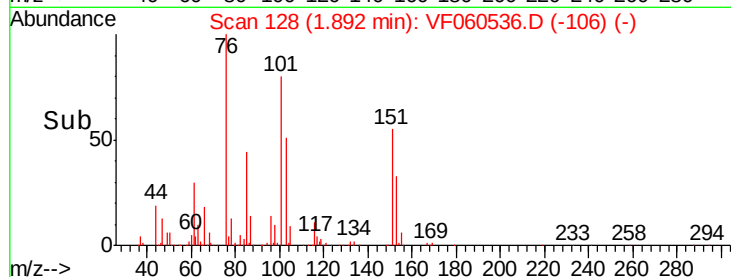
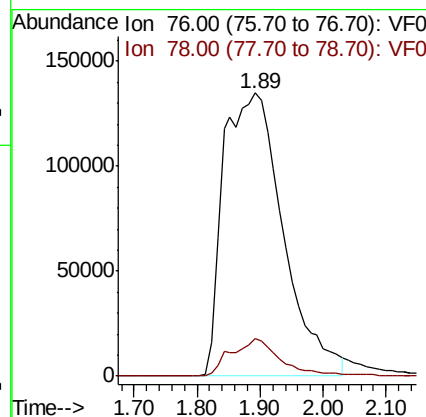
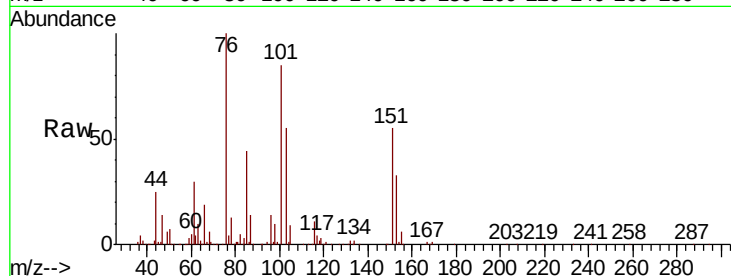
78 13.4 8.0 12.0#

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#18

Methyl Acetate

Concen: 72.434 ug/l

RT: 2.45 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF060536.D

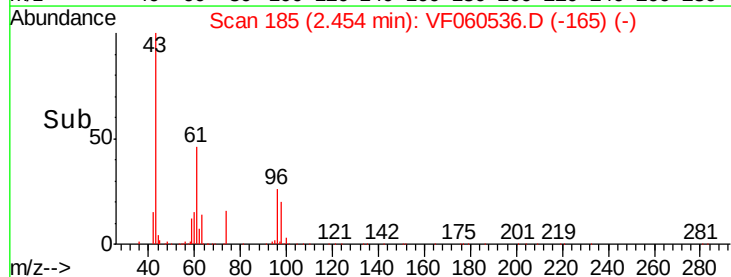
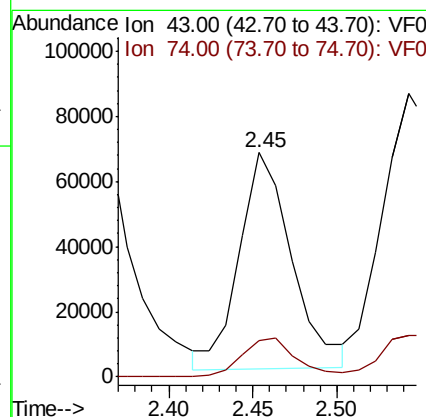
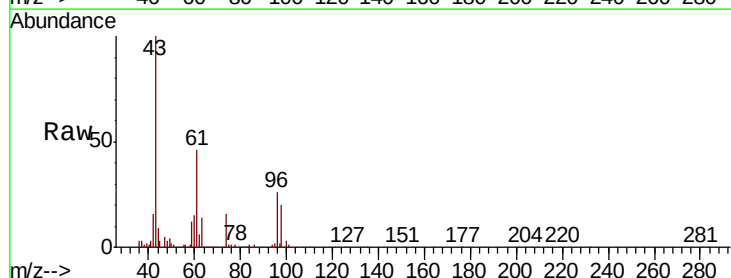
Acq: 29 Oct 2018 18:50

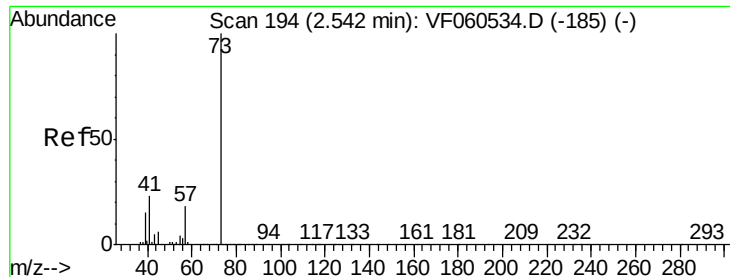
Tgt Ion: 43 Resp: 144374

Ion Ratio Lower Upper

43 100

74 16.0 13.5 20.3





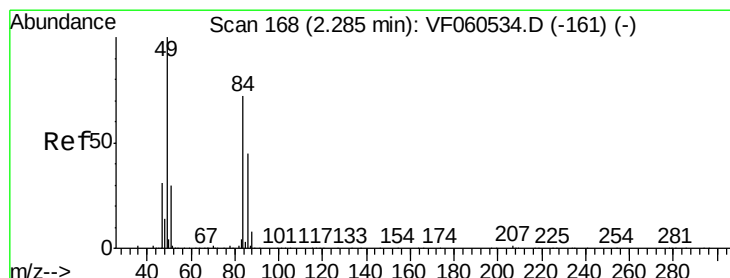
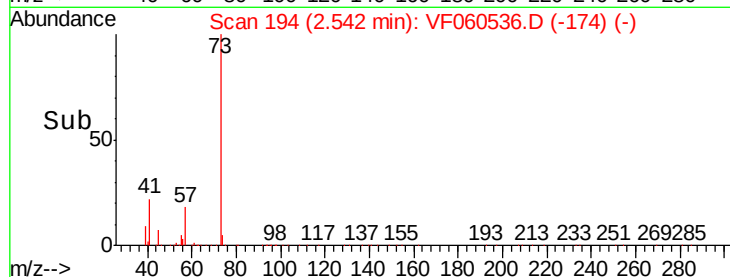
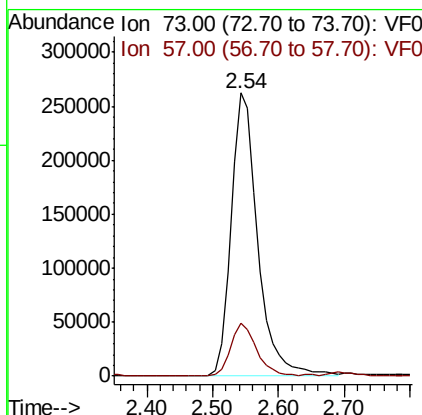
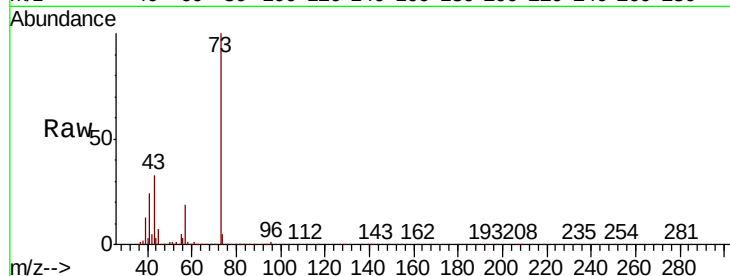
#19
Methvl tert-butvl Ether
Concen: 69.875 ug/l
RT: 2.54 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion: 73 Resp: 747263
Ion Ratio Lower Upper
73 100
57 18.6 14.7 22.1

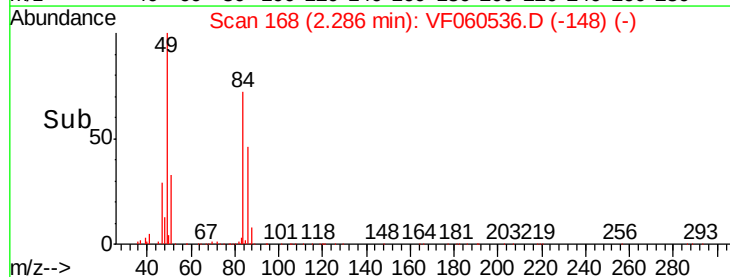
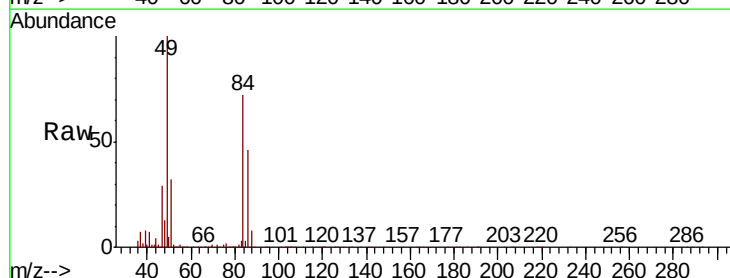
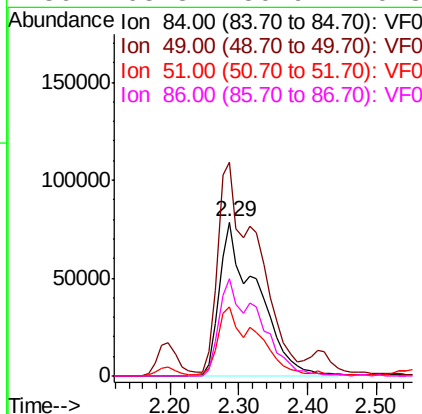
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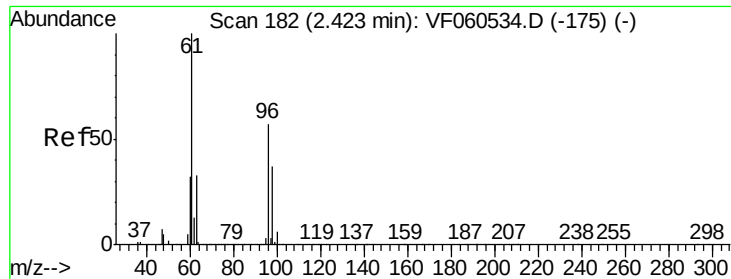
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#20
Methylene Chloride
Concen: 68.587 ug/l
RT: 2.29 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tgt Ion: 84 Resp: 297652
Ion Ratio Lower Upper
84 100
49 138.6 115.4 173.0
51 45.0 35.4 53.2
86 63.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 77.252 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

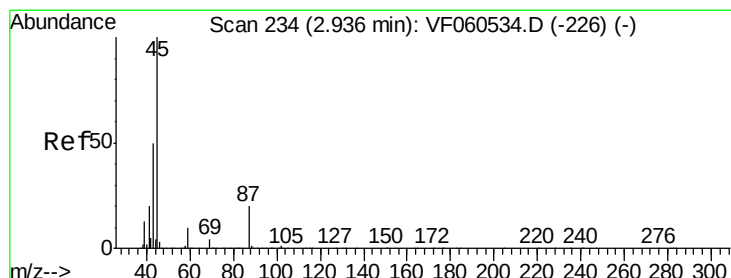
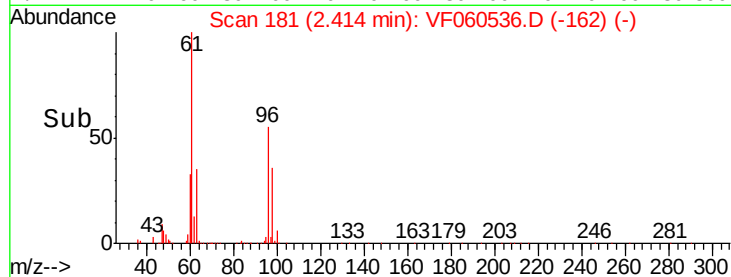
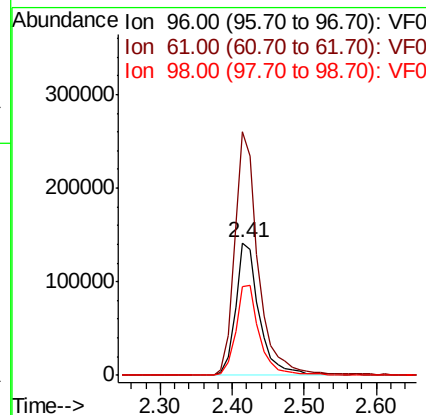
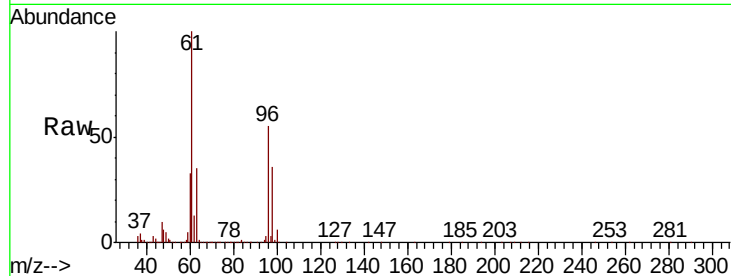
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	322458
Ion Ratio	Lower	Upper	
96	100		
61	183.3	139.8	209.6
98	66.6	52.2	78.4

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#22

Diisopropyl ether

Concen: 77.118 ug/l

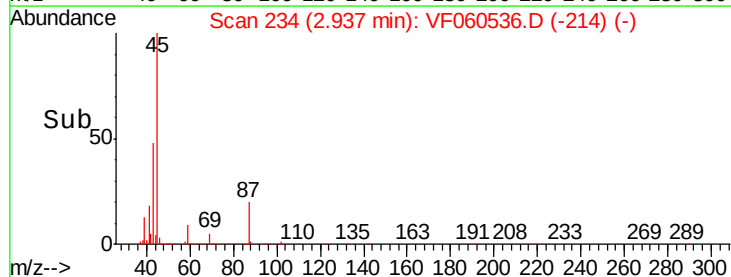
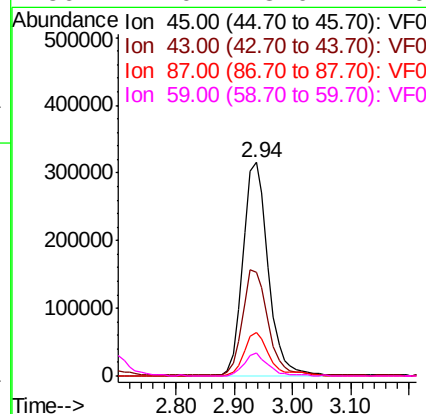
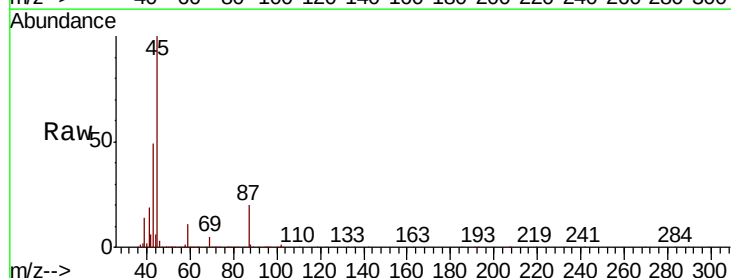
RT: 2.94 min Scan# 234

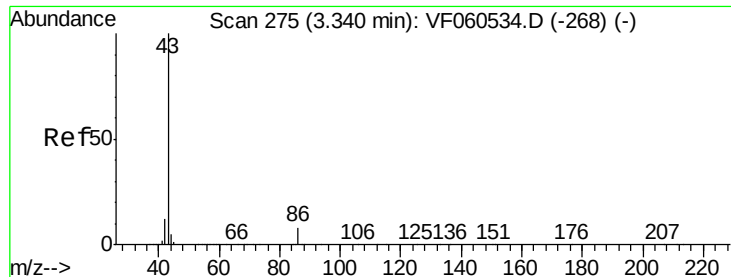
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion:	45	Resp:	949902
Ion Ratio	Lower	Upper	
45	100		
43	48.7	40.6	60.8
87	20.2	15.9	23.9
59	11.0	8.0	12.0





#23

Vinyl Acetate

Concen: 474.265 ug/l

RT: 3.34 min Scan# 275

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1911861

Ion Ratio Lower Upper

43 100

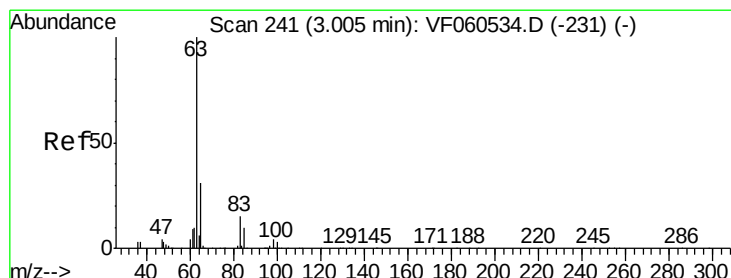
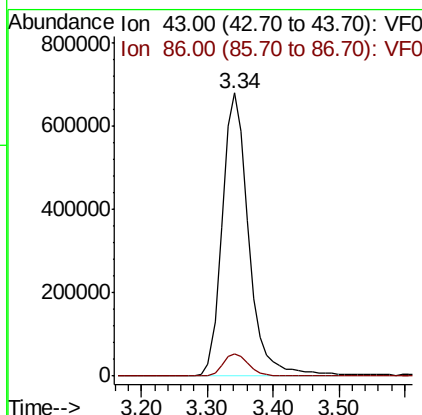
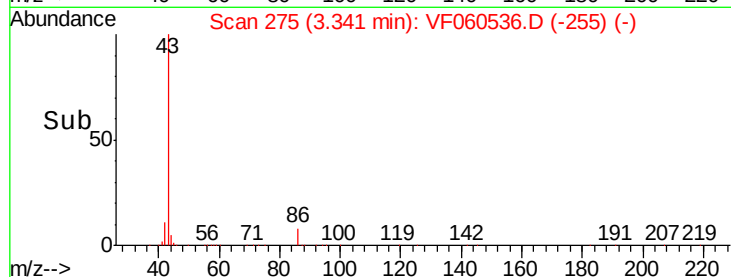
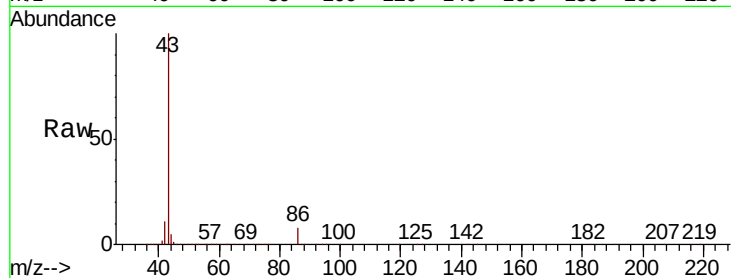
86 8.0 6.2 9.2

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#24

1,1-Dichloroethane

Concen: 70.184 ug/l

RT: 3.01 min Scan# 241

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

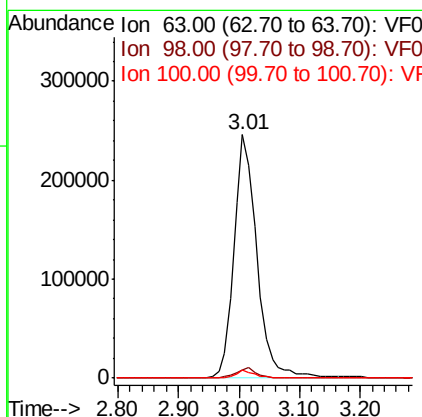
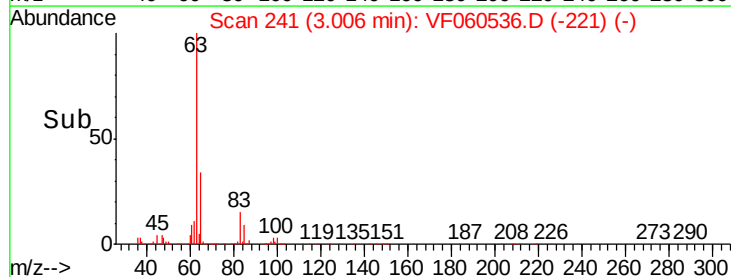
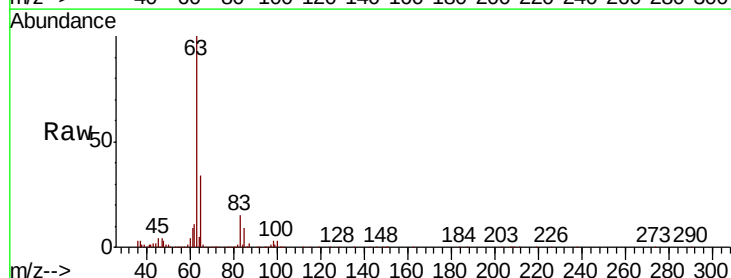
Tgt Ion: 63 Resp: 649842

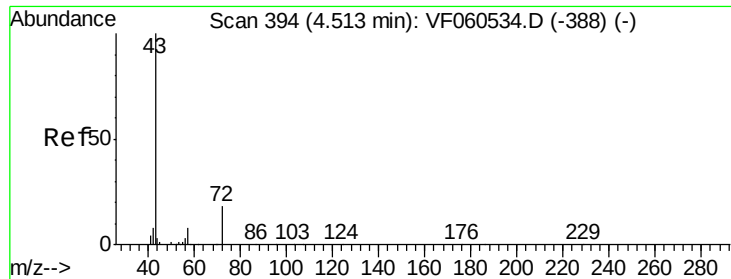
Ion Ratio Lower Upper

63 100

98 3.4 2.0 6.0

100 3.1 1.4 4.0





#25

2-Butanone

Concen: 477.754 ug/l

RT: 4.52 min Scan# 395

Delta R.T. 0.01 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 543546

Ion Ratio Lower Upper

43 100

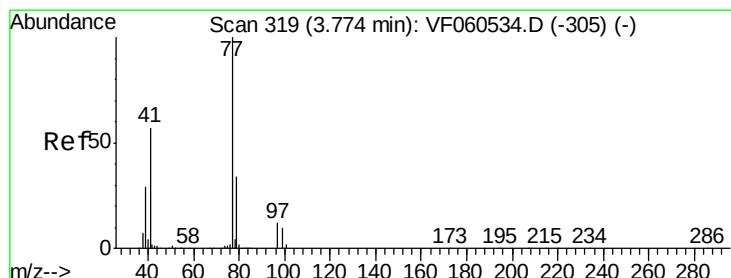
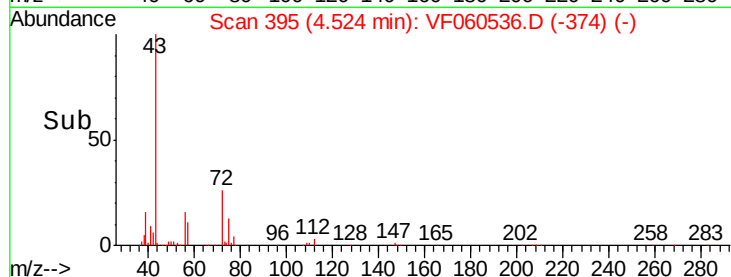
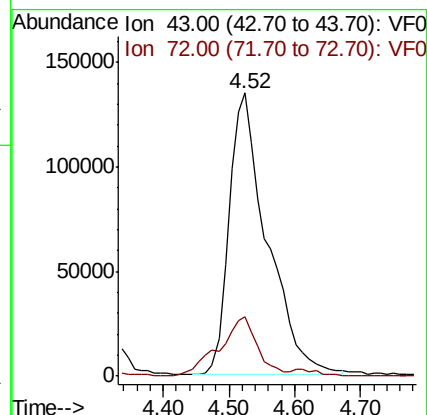
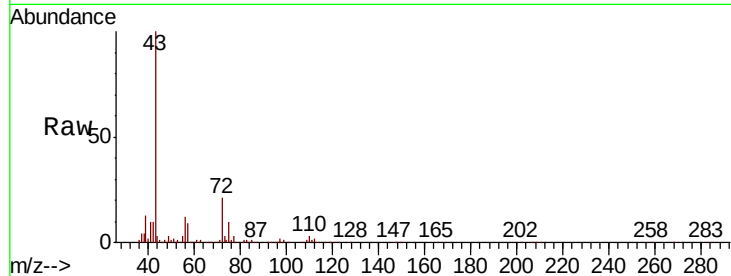
72 21.0 17.4 26.0

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#26

2,2-Dichloropropane

Concen: 69.190 ug/l

RT: 3.77 min Scan# 319

Delta R.T. 0.00 min

Lab File: VF060536.D

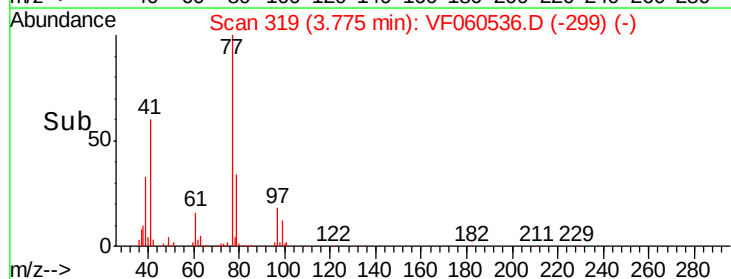
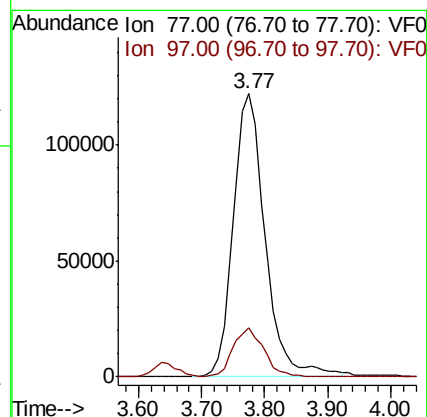
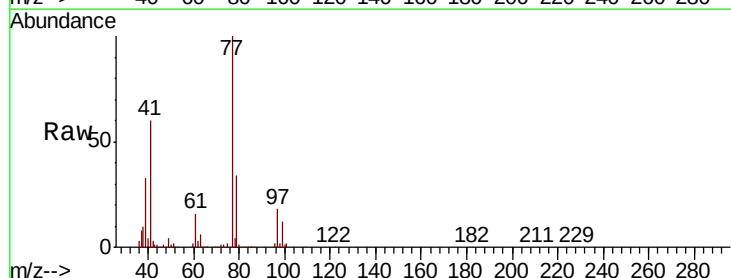
Acq: 29 Oct 2018 18:50

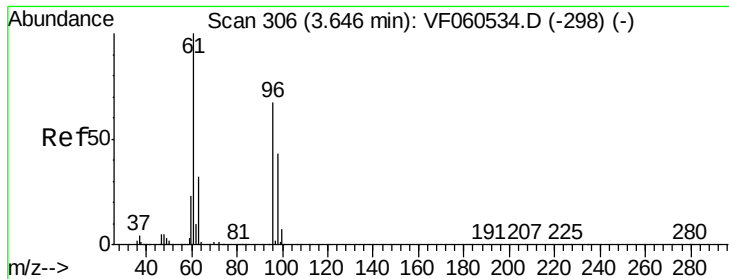
Tgt Ion: 77 Resp: 426159

Ion Ratio Lower Upper

77 100

97 17.6 8.5 25.5





#27

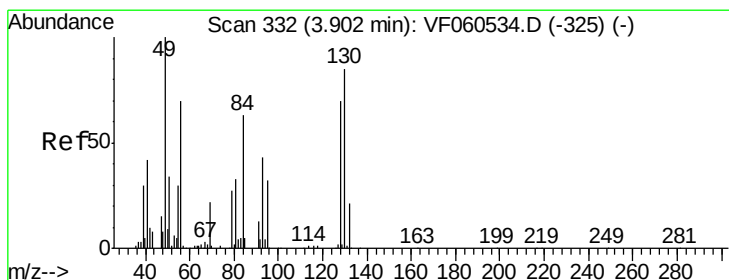
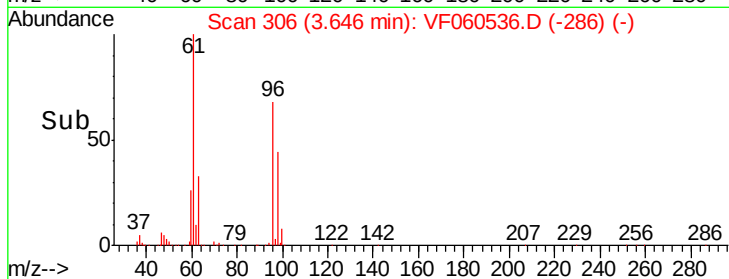
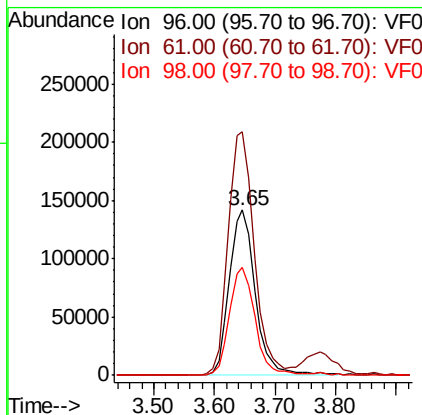
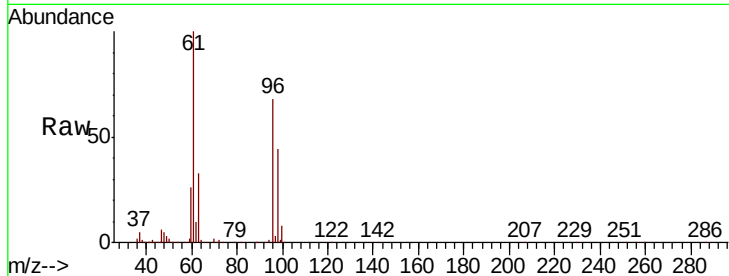
cis-1,2-Dichloroethene
Concen: 102.709 ug/l
RT: 3.65 min Scan# 306
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	300.8
98	65.4	0.0	128.4

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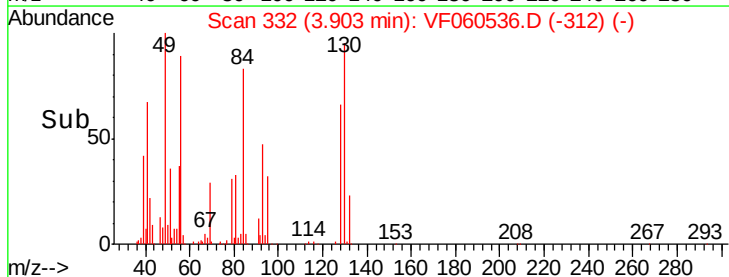
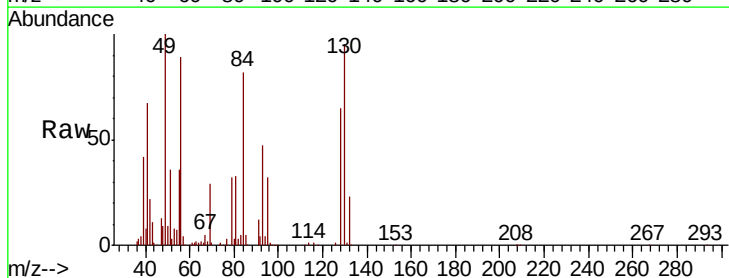
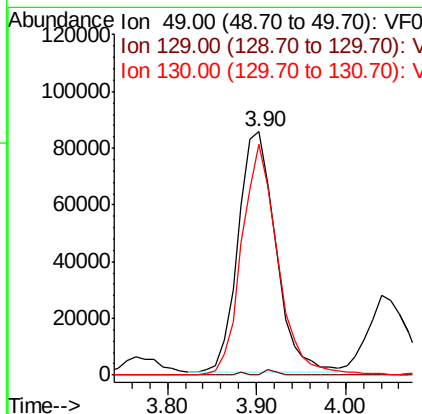
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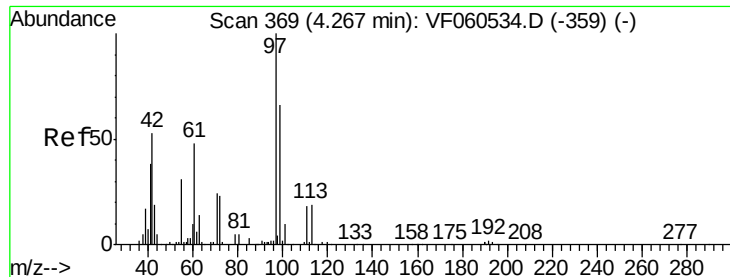


#28

Bromochloromethane
Concen: 86.776 ug/l
RT: 3.90 min Scan# 332
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	94.8	67.5	101.3





#29

Tetrahydrofuran

Concen: 477.367 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

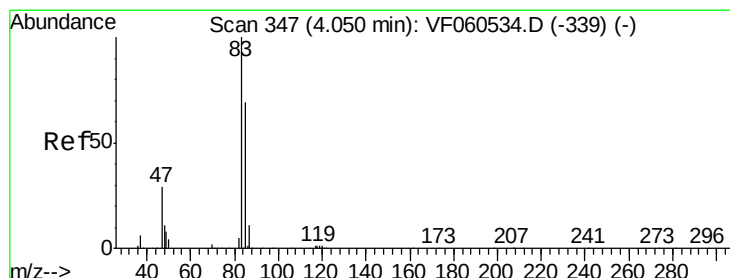
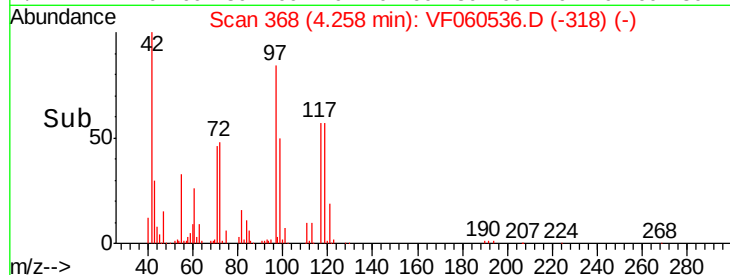
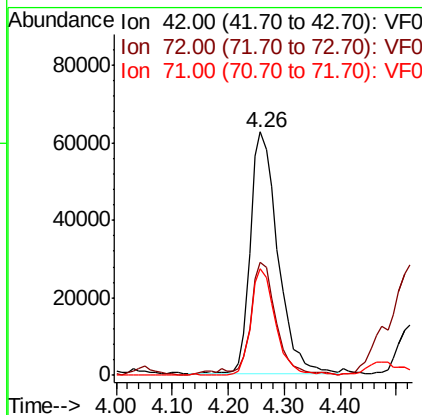
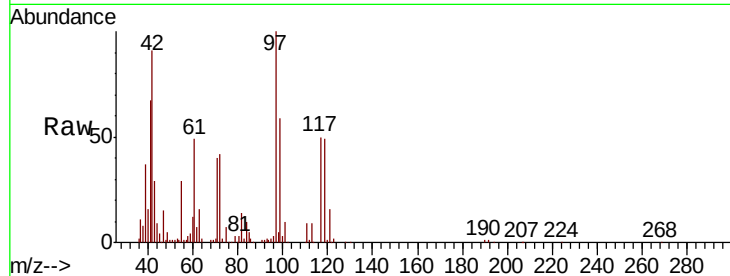
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	212653
Ion Ratio		Lower	Upper
42	100		
72	42.2	32.5	48.7
71	39.2	34.5	51.7

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#30

Chloroform

Concen: 79.784 ug/l

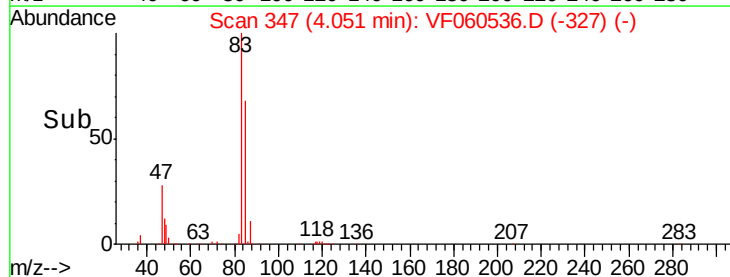
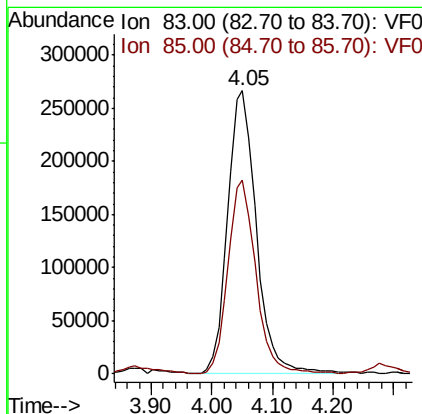
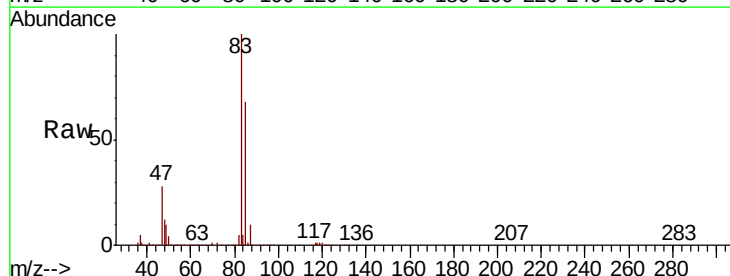
RT: 4.05 min Scan# 347

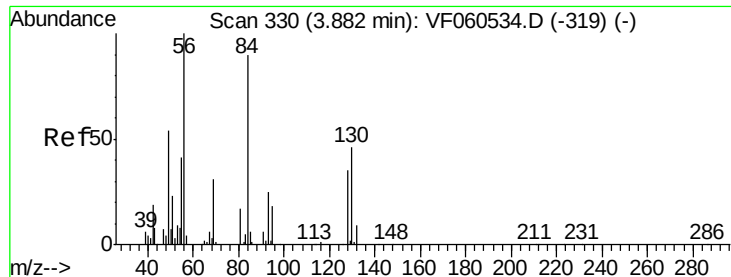
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion:	83	Resp:	873536
Ion Ratio		Lower	Upper
83	100		
85	68.5	55.0	82.4





#31

Cyclohexane

Concen: 103.092 ug/l

RT: 3.88 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

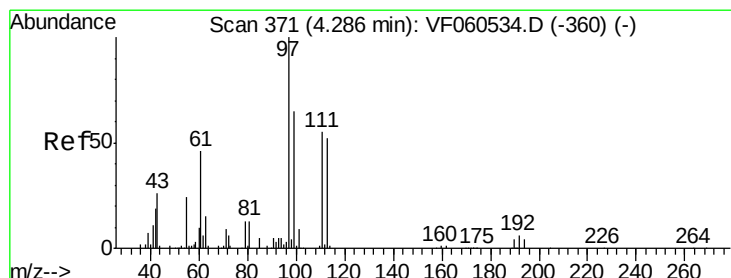
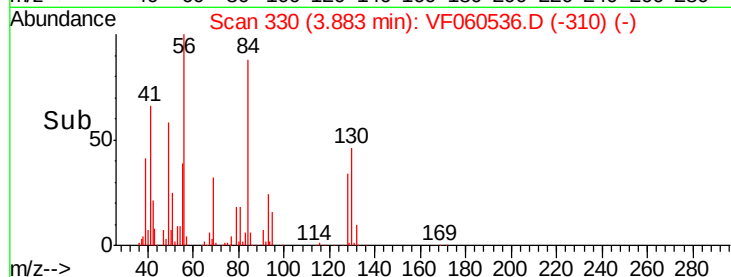
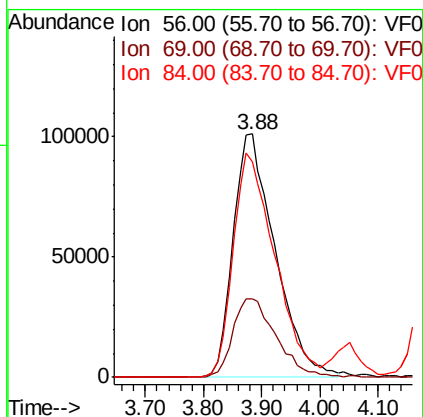
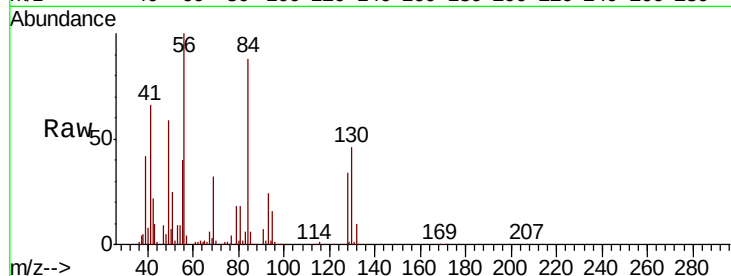
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	507817
Ion Ratio		Lower	Upper
56	100		
69	32.3	25.0	37.6
84	88.5	72.1	108.1

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#32

1,1,1-Trichloroethane

Concen: 77.081 ug/l

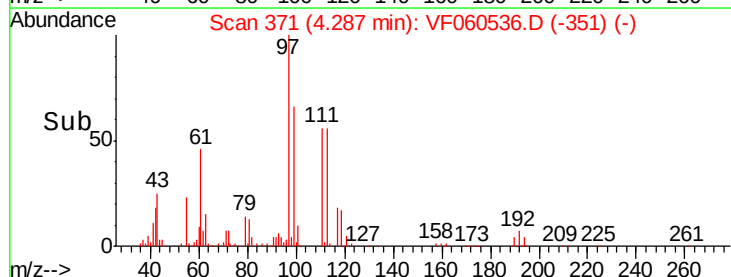
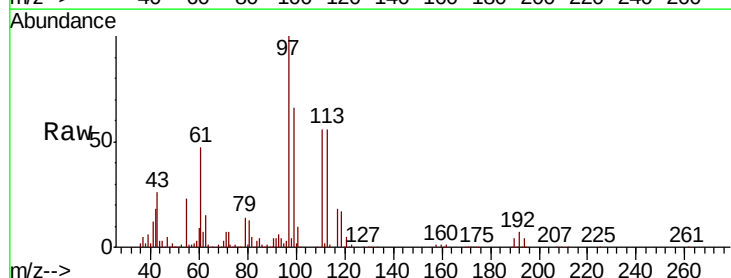
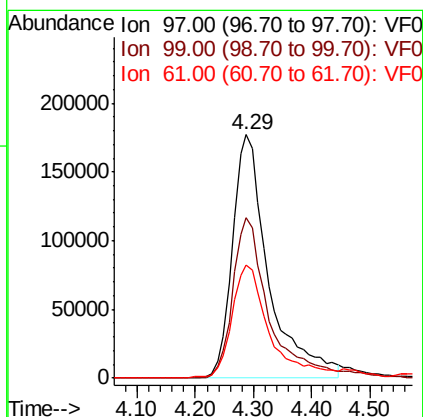
RT: 4.29 min Scan# 371

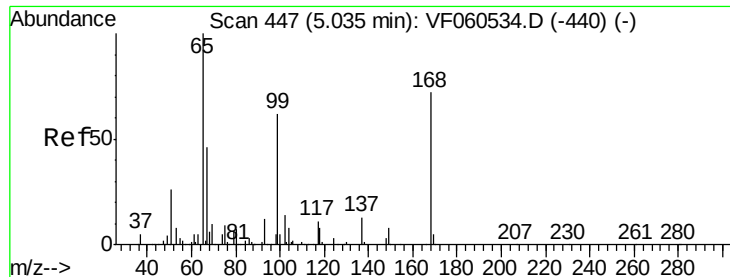
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion:	97	Resp:	766434
Ion Ratio		Lower	Upper
97	100		
99	65.7	51.7	77.5
61	46.5	36.8	55.2





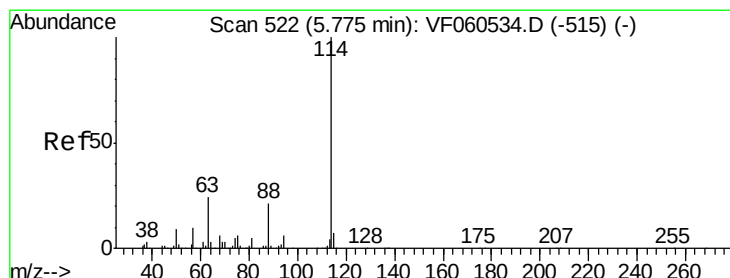
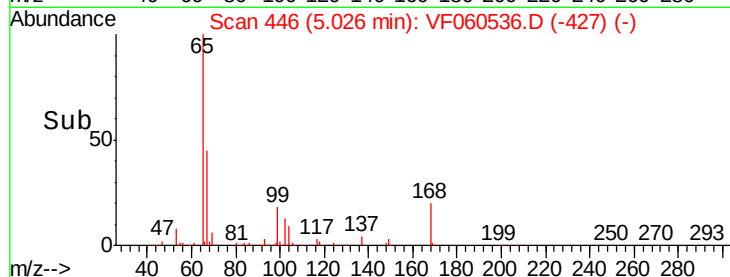
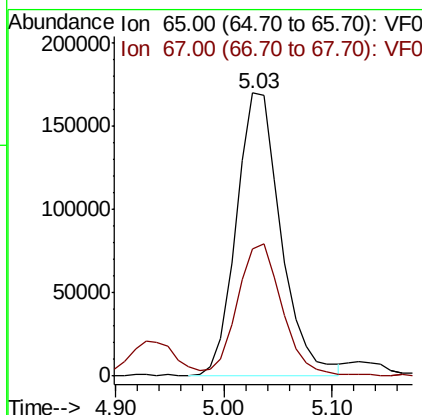
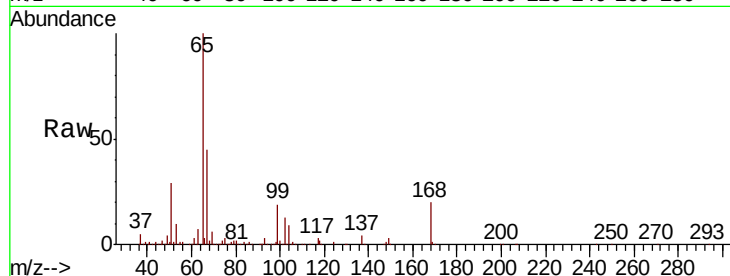
#33
 1,2-Dichloroethane-d4
 Concen: 80.420 ug/l
 RT: 5.03 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	45.0	0.0	94.4

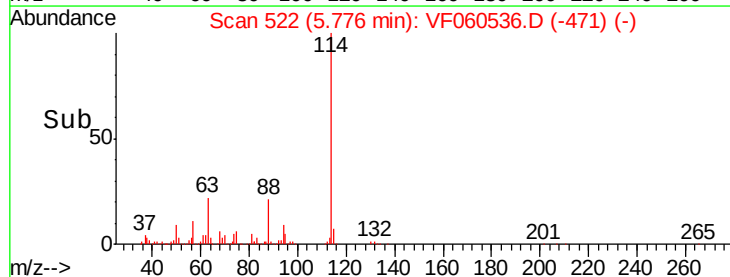
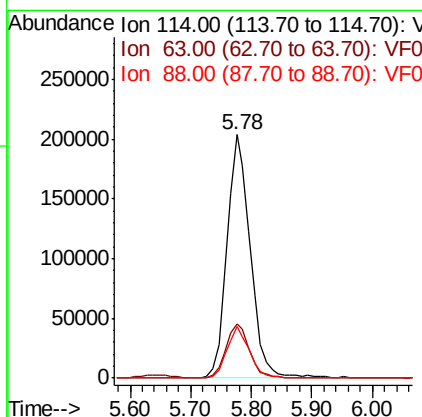
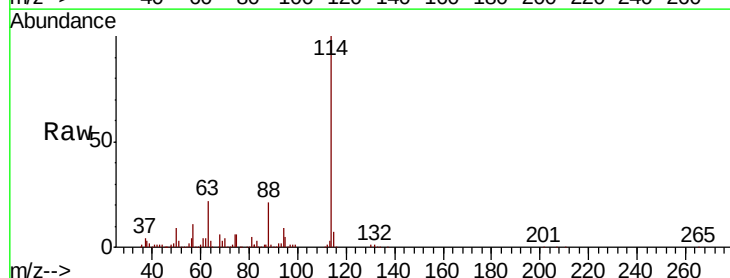
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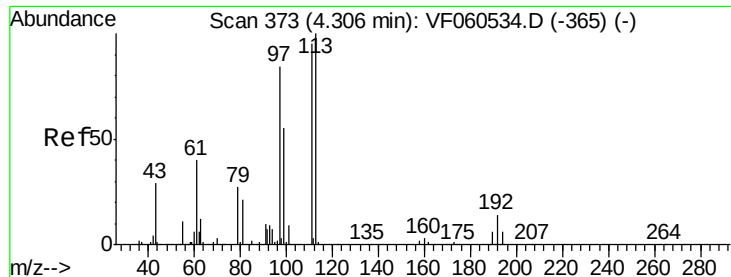
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	48.0
88	21.0	0.0	42.0





#35

Dibromofluoromethane

Concen: 75.394 ug/l

RT: 4.31 min Scan# 373

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

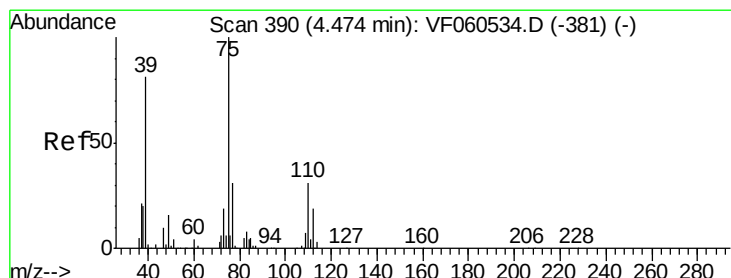
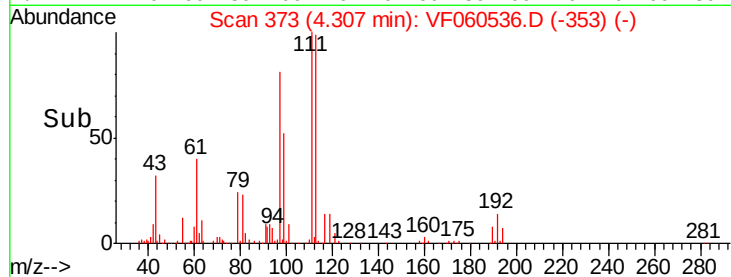
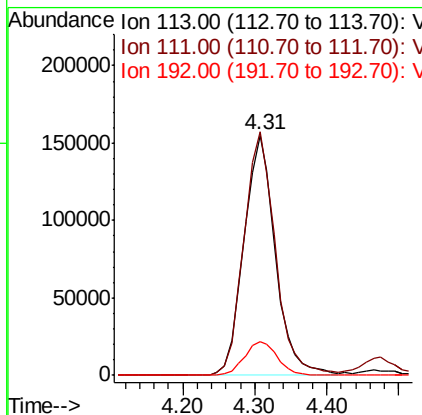
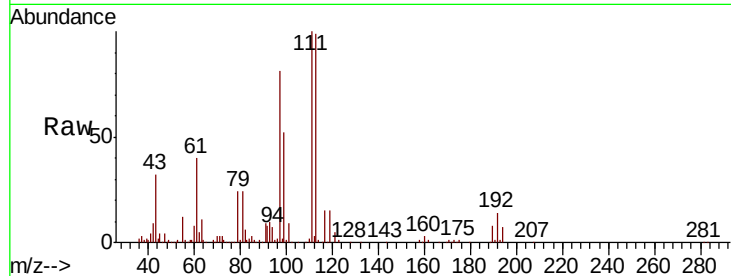
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	472965
Ion Ratio	Lower	Upper	
113	100		
111	101.4	75.9	113.9
192	14.2	11.2	16.8

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#36

1,1-Dichloropropene

Concen: 76.719 ug/l

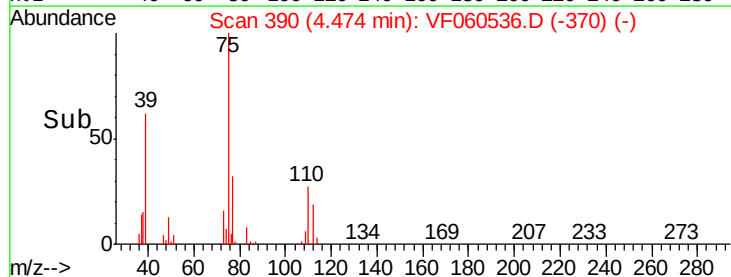
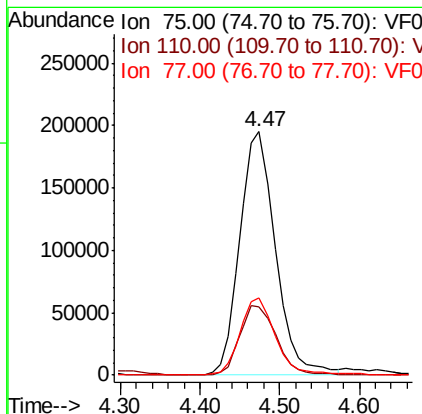
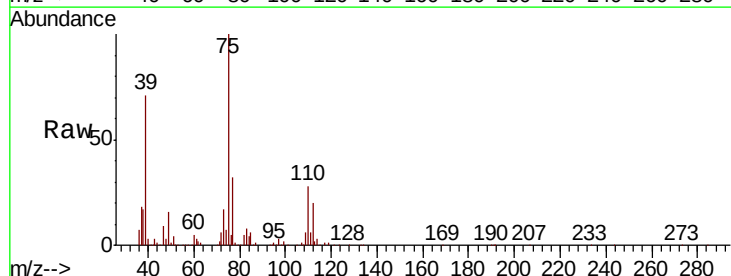
RT: 4.47 min Scan# 390

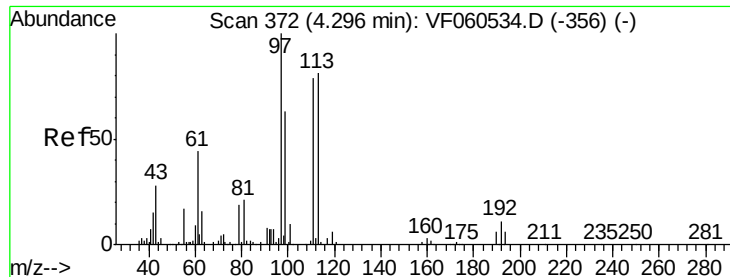
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion:	75	Resp:	603087
Ion Ratio	Lower	Upper	
75	100		
110	27.8	15.3	45.8
77	31.7	24.8	37.2





#37

Ethyl Acetate

Concen: 81.365 ug/l

RT: 4.30 min Scan# 372

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

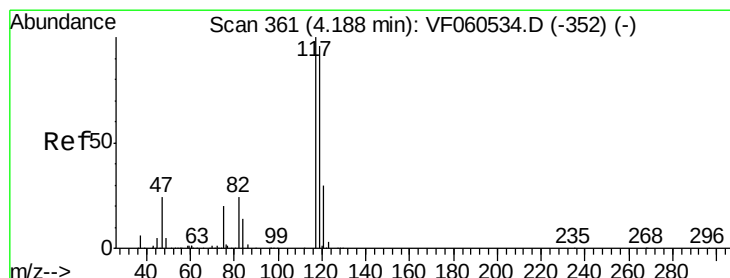
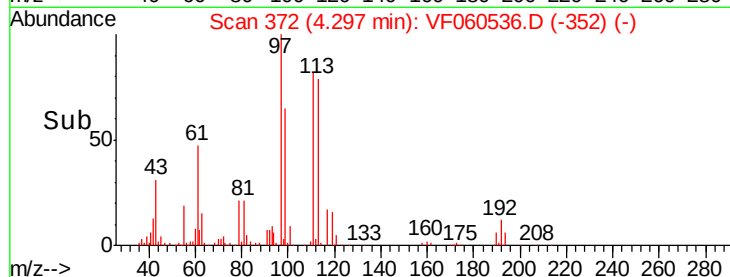
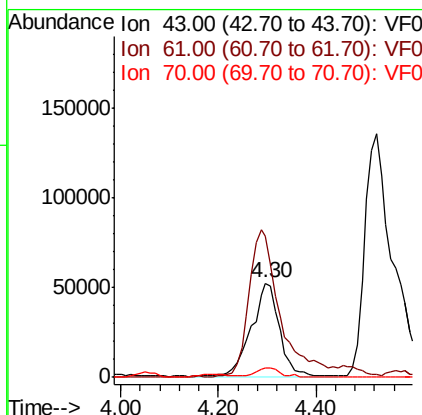
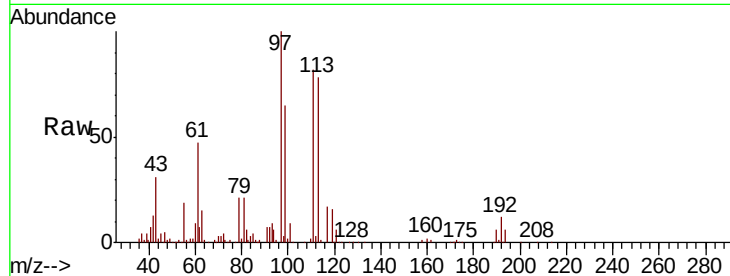
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	210982
Ion	Ratio	Lower	Upper
43	100		
61	149.7	123.9	185.9
70	10.2	7.3	10.9

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#38

Carbon Tetrachloride

Concen: 63.506 ug/l m

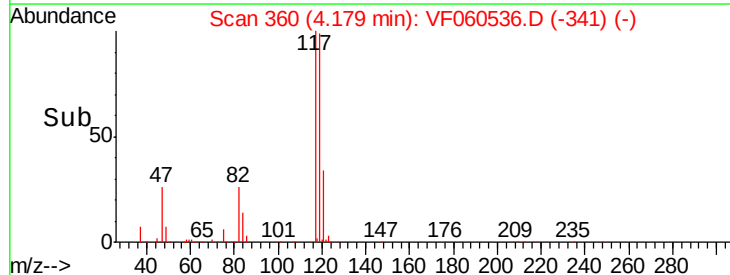
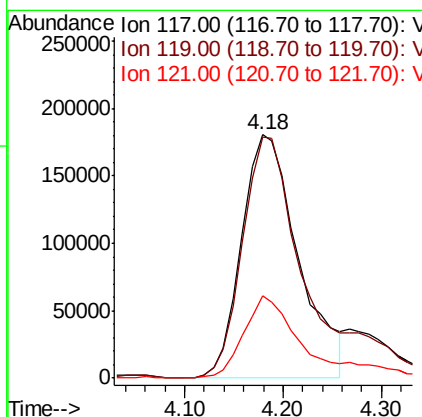
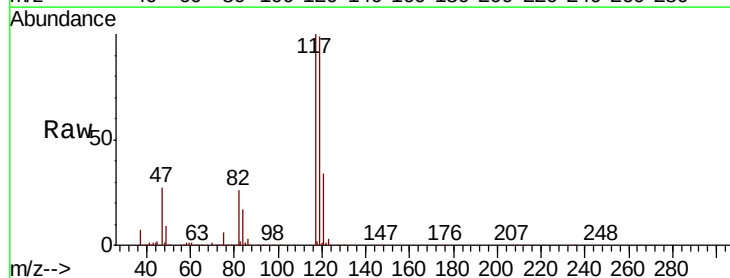
RT: 4.18 min Scan# 360

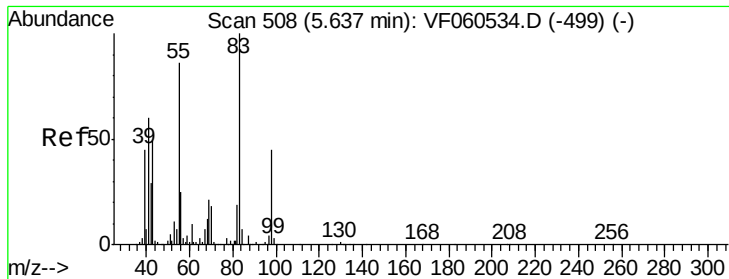
Delta R.T. -0.01 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion:	117	Resp:	726750
Ion	Ratio	Lower	Upper
117	100		
119	99.1	76.5	114.7
121	33.6	24.3	36.5





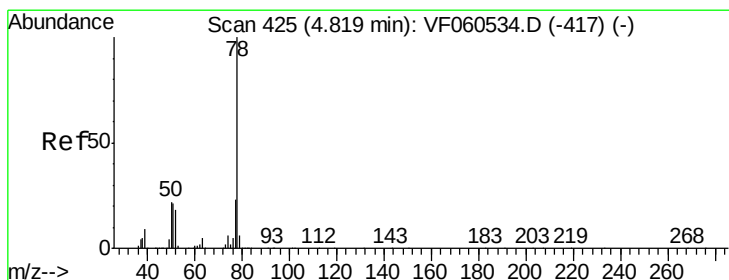
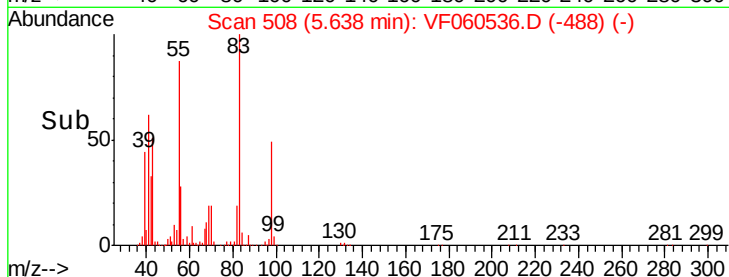
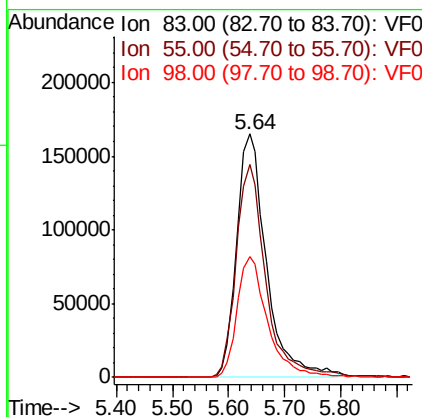
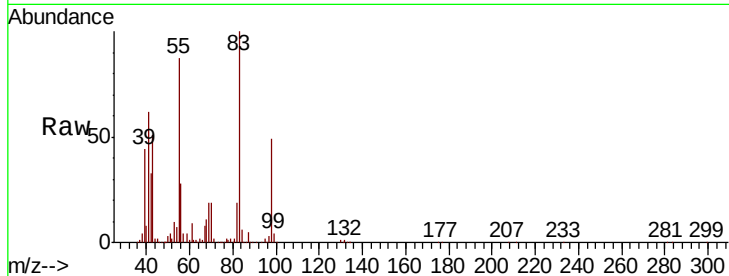
#39
Methylvlcyclohexane
Concen: 92.210 ug/l
RT: 5.64 min Scan# 508
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.5	69.0	103.4
98	49.5	36.1	54.1

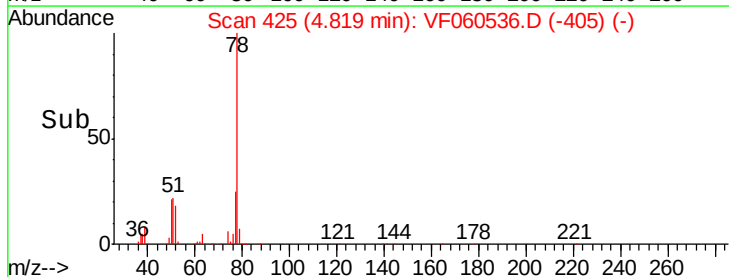
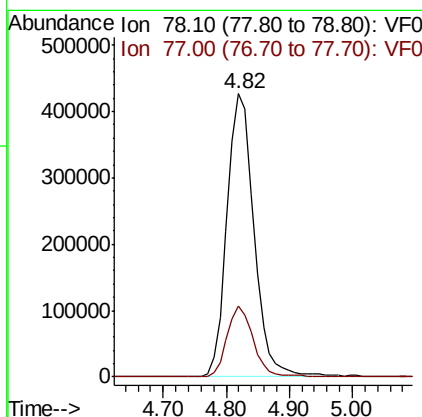
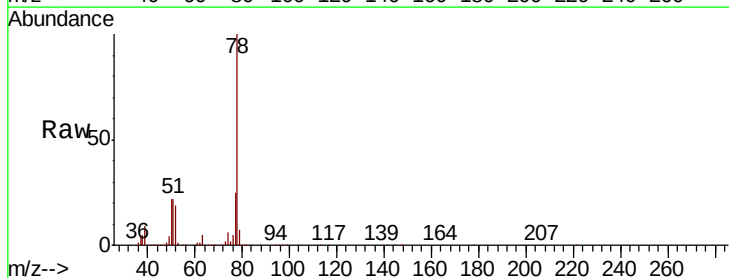
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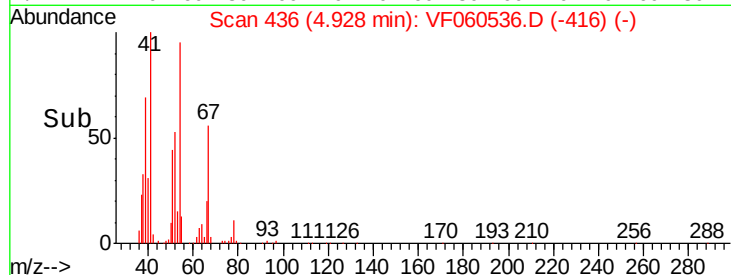
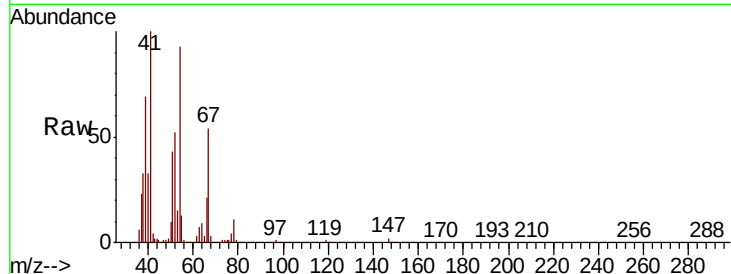
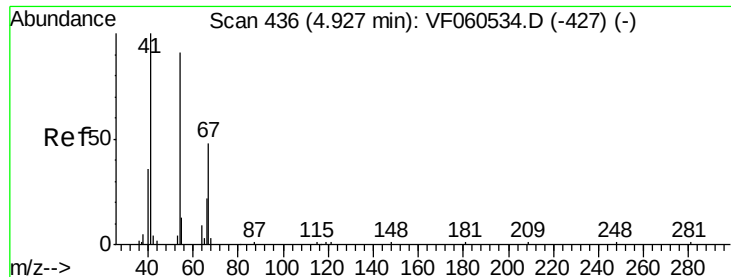
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#40
Benzene
Concen: 94.855 ug/l
RT: 4.82 min Scan# 425
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.5	27.7





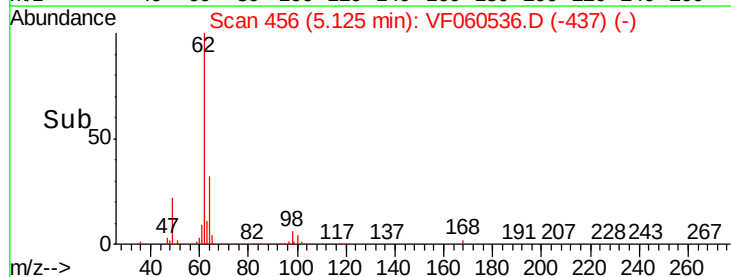
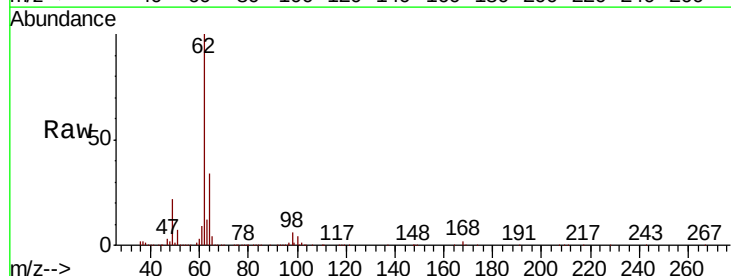
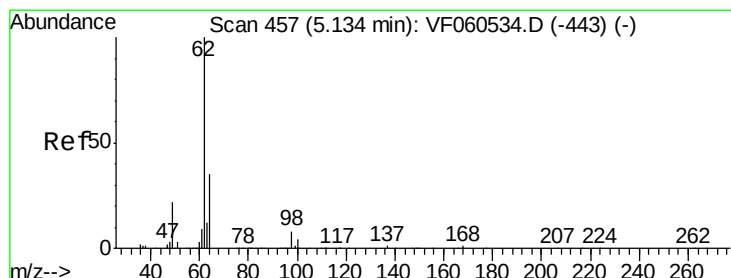
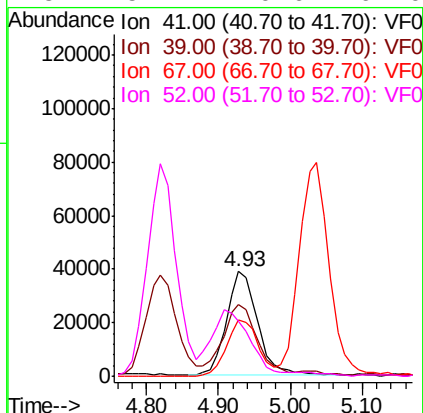
#41
Methacrylonitrile
Concen: 86.986 ug/l
RT: 4.93 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		116109		
39	68.8	51.0	76.6		
67	54.3	38.0	57.0		
52	52.1	40.6	61.0		

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

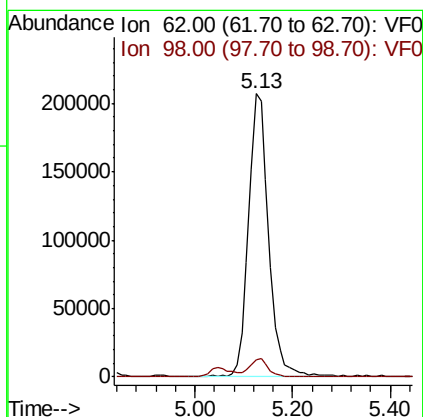
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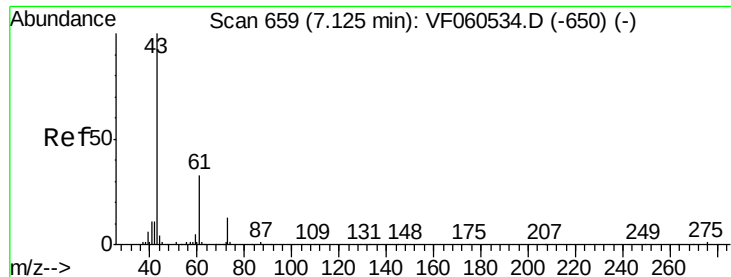
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#42
1,2-Dichloroethane
Concen: 73.089 ug/l
RT: 5.13 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		596228		
98	6.2	0.0	15.8		





#43

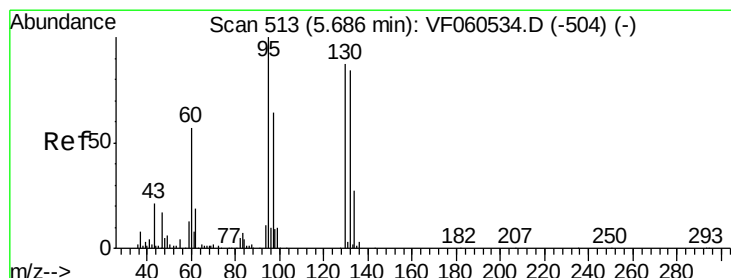
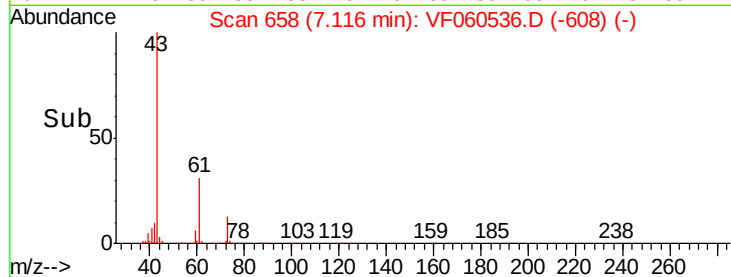
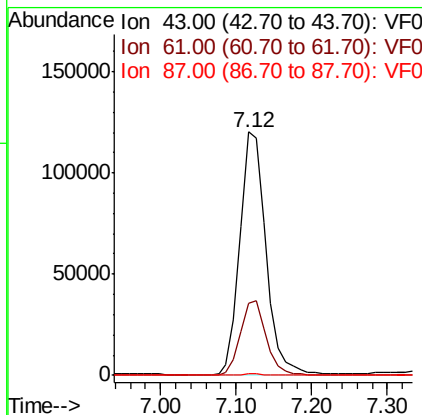
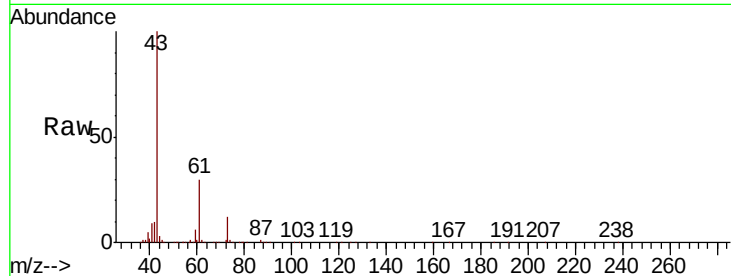
Isopropyl Acetate
 Concen: 102.747 ug/l
 RT: 7.12 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:	43	Resp:	287267
Ion	Ratio	Lower	Upper
43	100		
61	29.6	26.6	40.0
87	0.8	0.6	1.0

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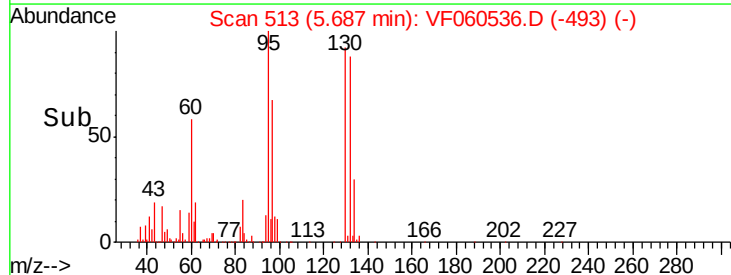
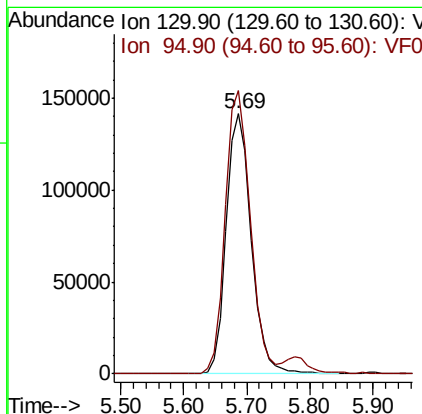
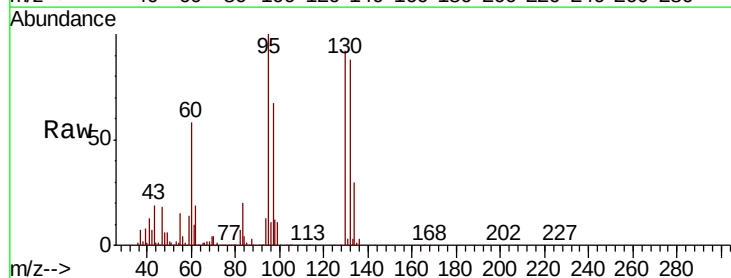
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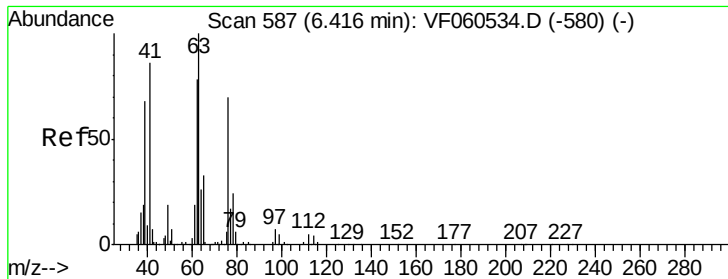


#44

Trichloroethene
 Concen: 84.672 ug/l
 RT: 5.69 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Tgt Ion:	130	Resp:	387986
Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	229.4





#45

1,2-Dichloropropane

Concen: 97.807 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 327659

Ion Ratio Lower Upper

63 100

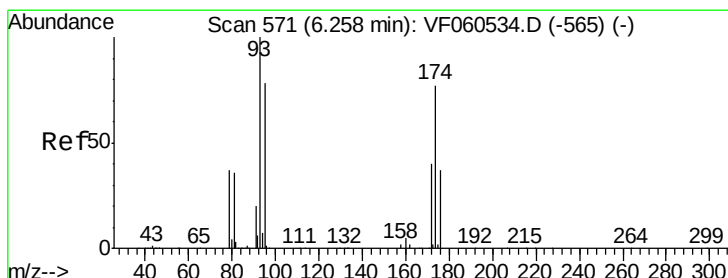
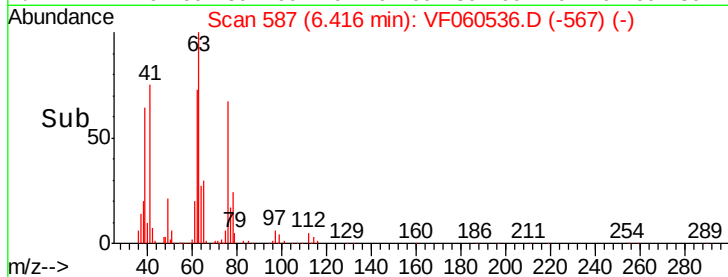
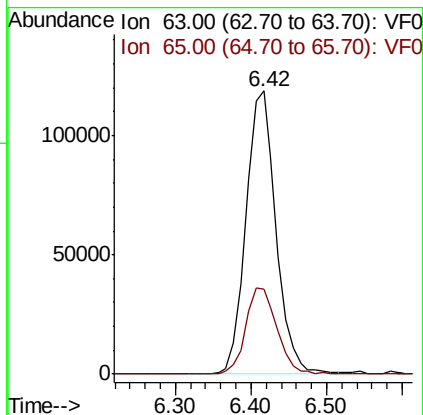
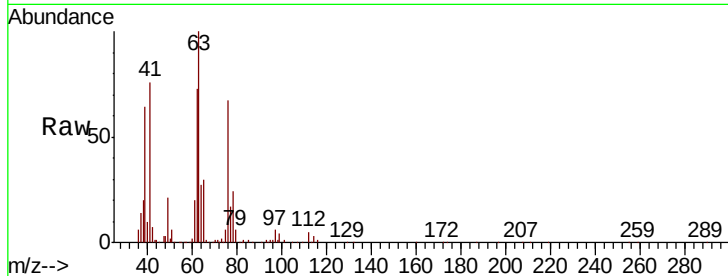
65 30.2 26.5 39.7

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#46

Dibromomethane

Concen: 85.404 ug/l

RT: 6.27 min Scan# 572

Delta R.T. 0.01 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

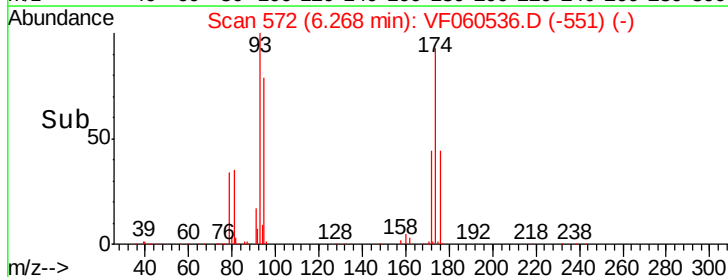
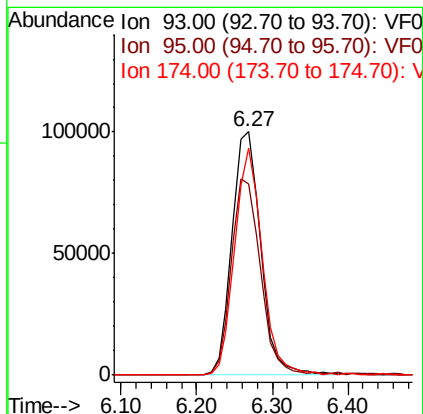
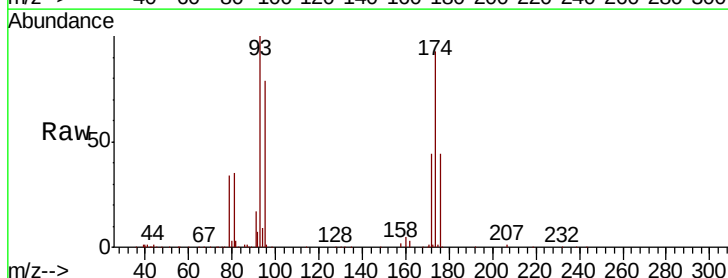
Tgt Ion: 93 Resp: 262930

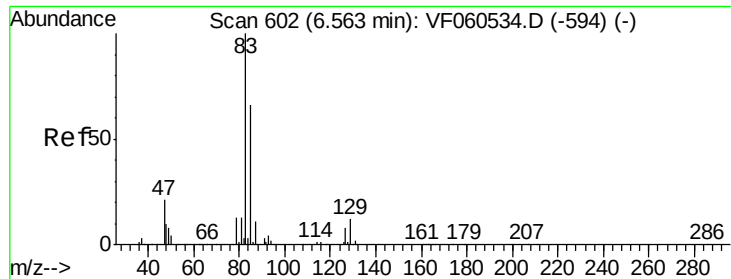
Ion Ratio Lower Upper

93 100

95 79.3 64.3 96.5

174 93.0 63.3 94.9





#47

Bromodichloromethane

Concen: 76.859 ug/l

RT: 6.55 min Scan# 601

Delta R.T. -0.01 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

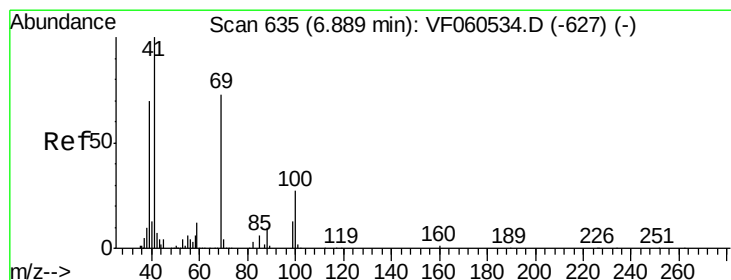
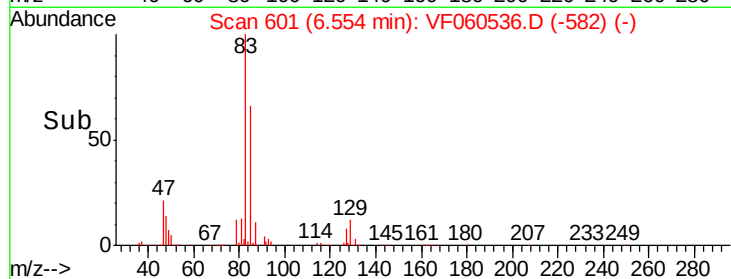
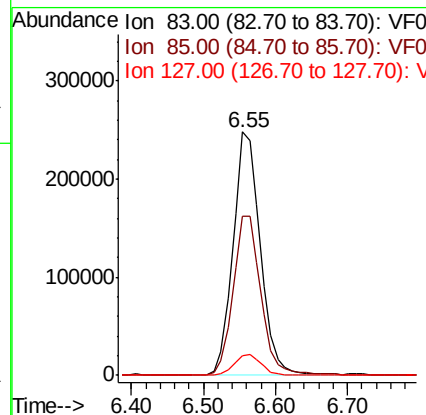
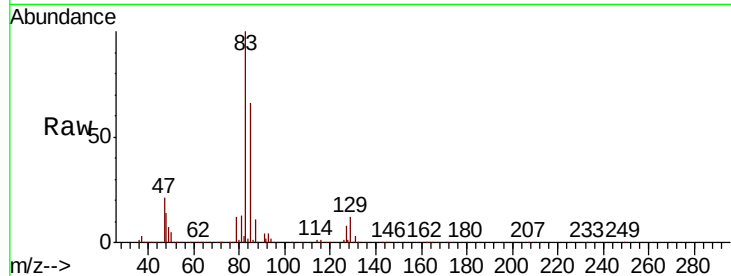
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	653584
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.7	79.1
127	8.1	6.4	9.6

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#48

Methyl methacrylate

Concen: 91.909 ug/l

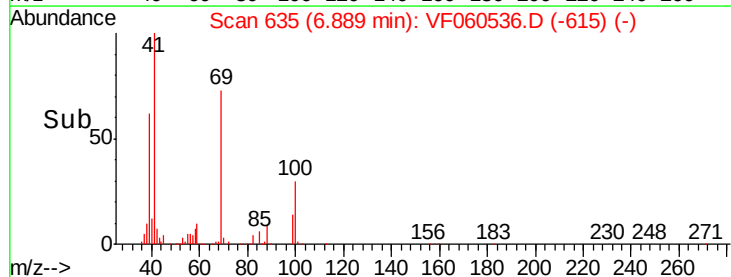
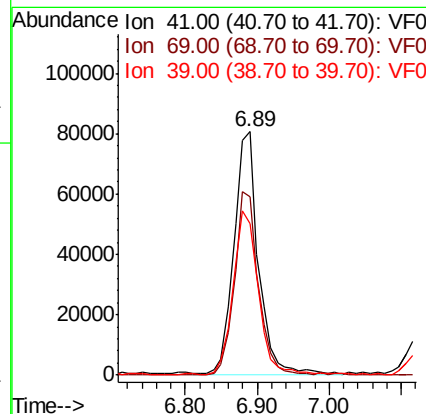
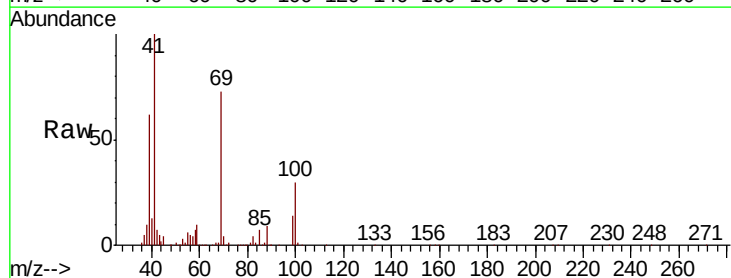
RT: 6.89 min Scan# 635

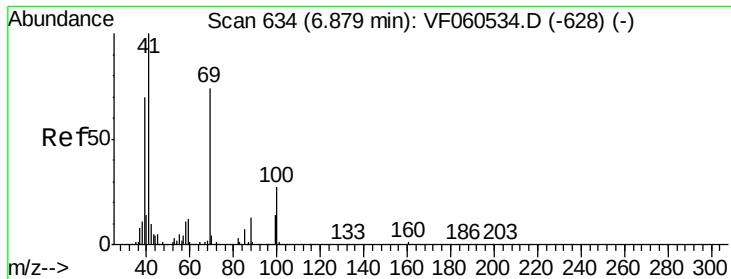
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion:	41	Resp:	190271
Ion Ratio	Lower	Upper	
41	100		
69	73.1	58.4	87.6
39	62.3	56.4	84.6





#49

1,4-Dioxane

Concen: 1957.153 ug/l

RT: 6.88 min Scan# 634

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

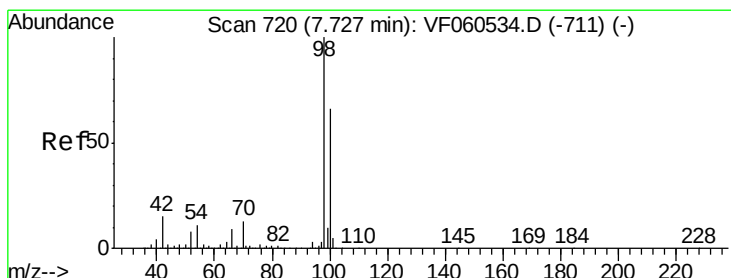
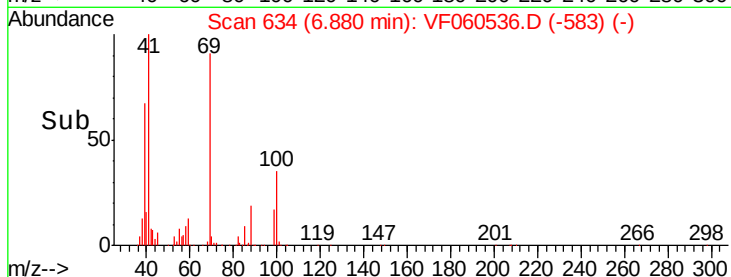
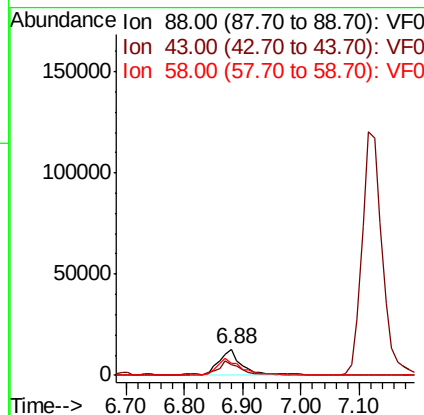
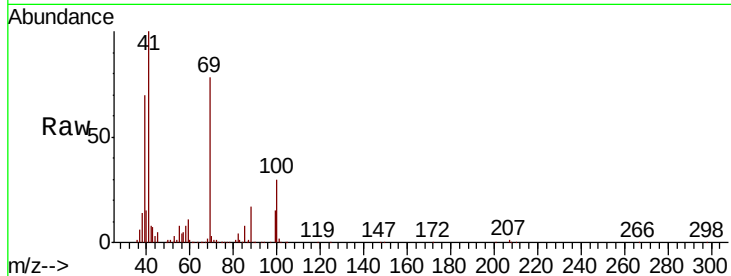
ClientSampleId :

VSTDIC100

Tot Ion	88	Resp	35687
Ion	Ratio	Lower	Upper
88	100		
43	40.6	49.7	74.5#
58	47.2	67.7	101.5#

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#50

Toluene-d8

Concen: 91.276 ug/l

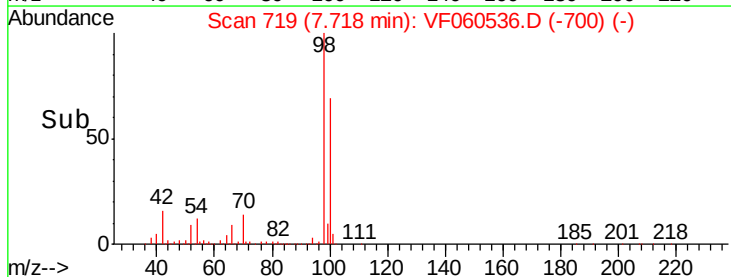
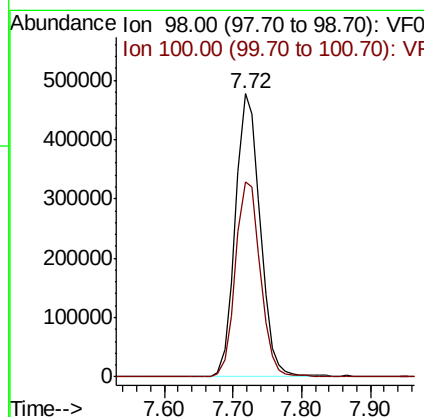
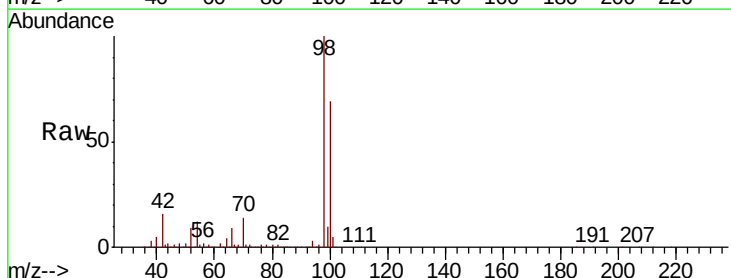
RT: 7.72 min Scan# 719

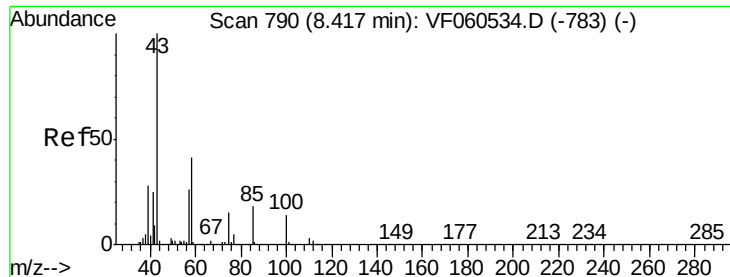
Delta R.T. -0.01 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion	98	Resp	1192860
Ion	Ratio	Lower	Upper
98	100		
100	68.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 421.678 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 897414

Ion Ratio Lower Upper

43 100

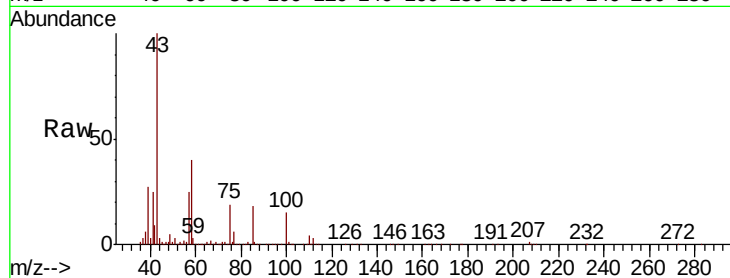
58 39.5 32.6 49.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

400000

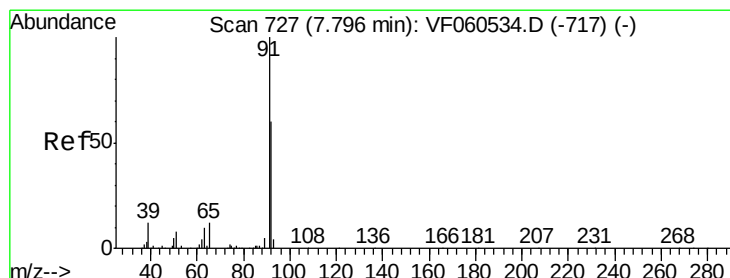
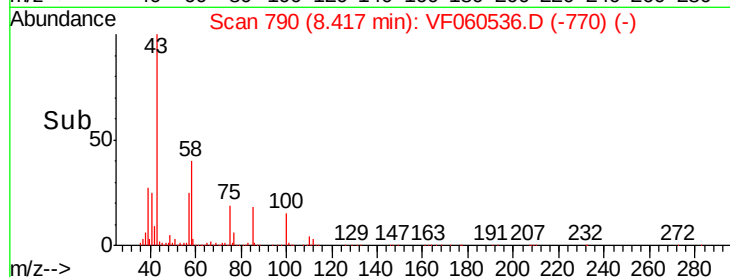
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 99.254 ug/l

RT: 7.80 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF060536.D

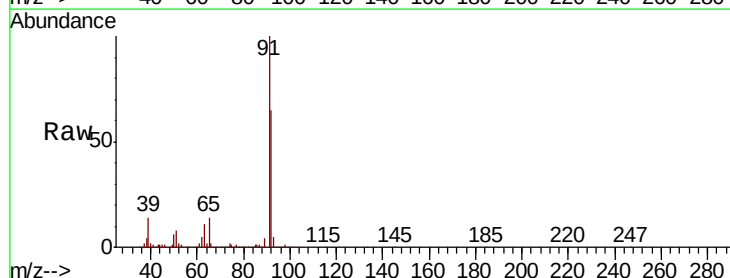
Acq: 29 Oct 2018 18:50

Tgt Ion: 92 Resp: 873689

Ion Ratio Lower Upper

92 100

91 154.0 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.80

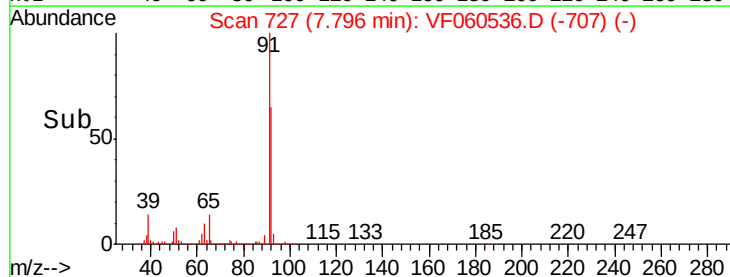
600000

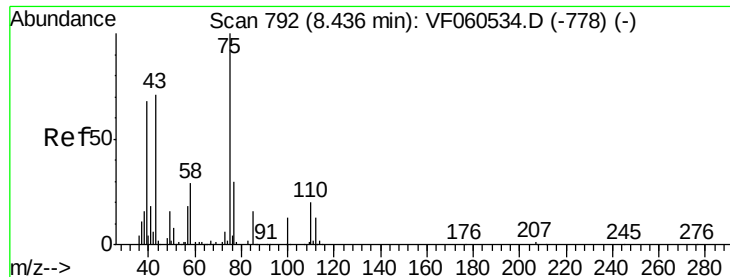
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 80.915 ug/l

RT: 8.44 min Scan# 792

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 514720

Ion Ratio Lower Upper

75 100

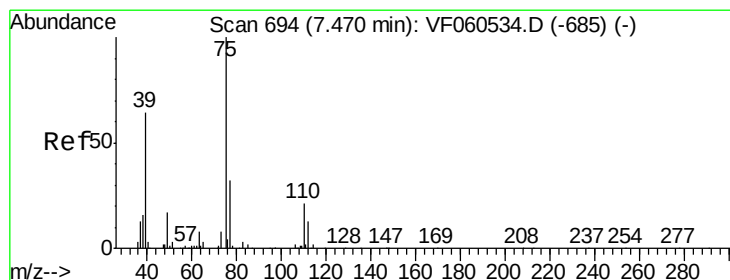
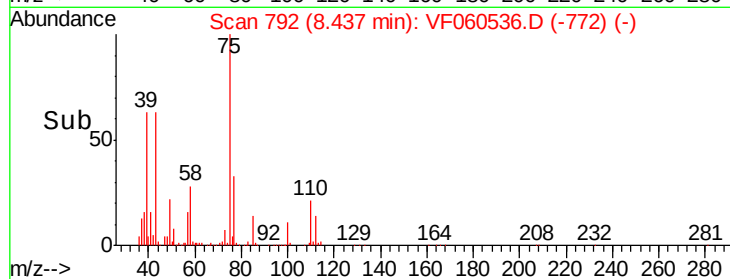
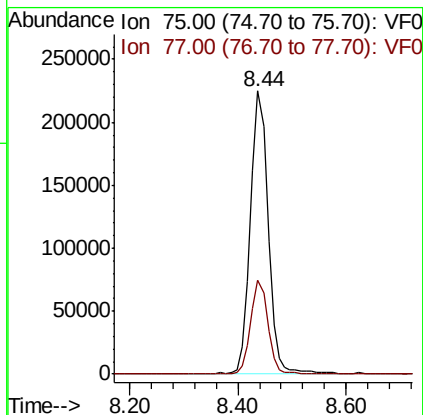
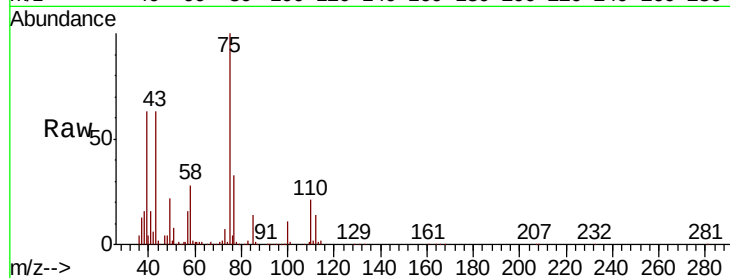
77 33.1 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 93.795 ug/l

RT: 7.47 min Scan# 694

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

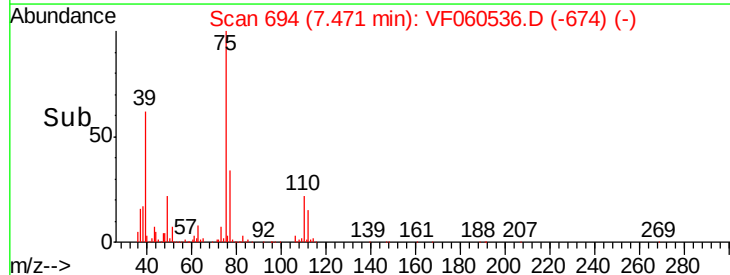
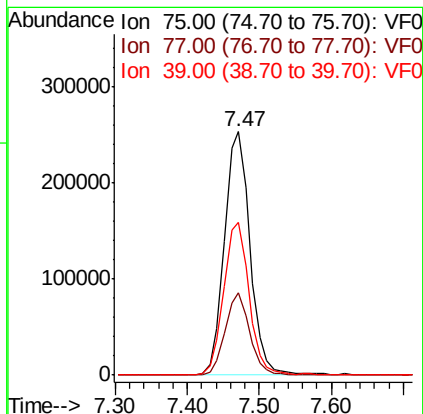
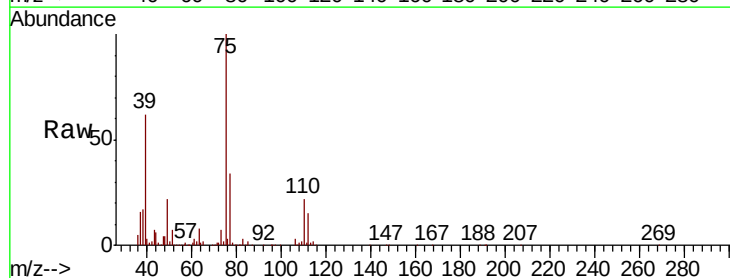
Tgt Ion: 75 Resp: 624690

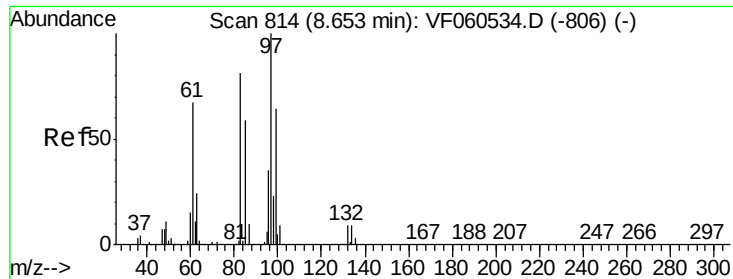
Ion Ratio Lower Upper

75 100

77 33.9 25.7 38.5

39 62.5 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 91.582 ug/l

RT: 8.64 min Scan# 813

Delta R.T. -0.01 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

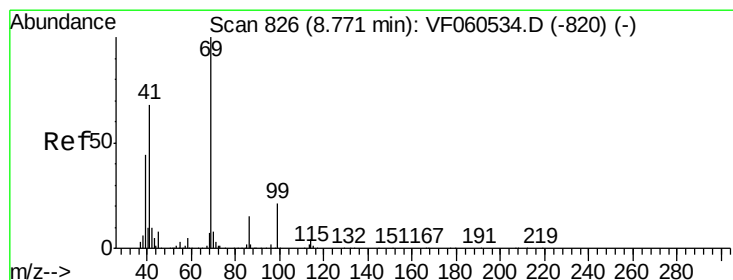
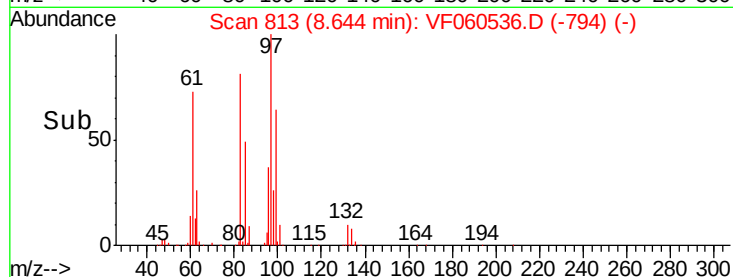
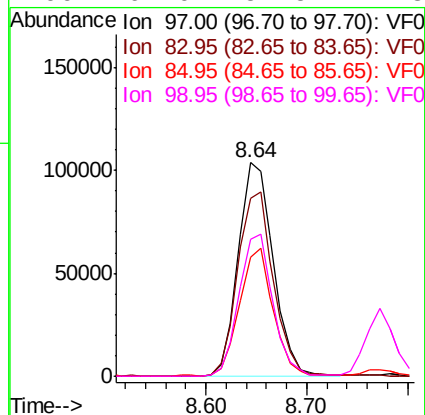
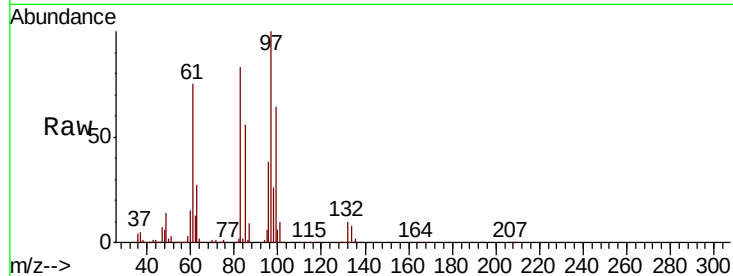
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	250511
Ion Ratio	Lower	Upper	
97	100		
83	83.3	65.3	97.9
85	55.6	47.6	71.4
99	64.0	51.5	77.3

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#56

Ethyl methacrylate

Concen: 101.230 ug/l

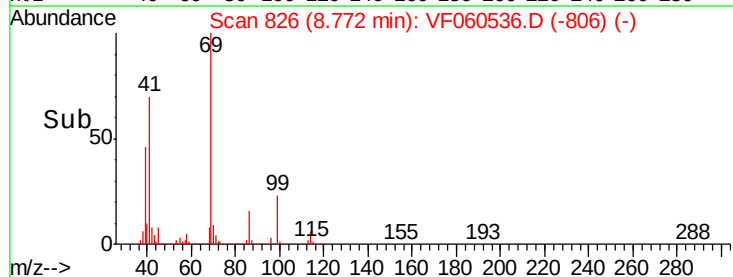
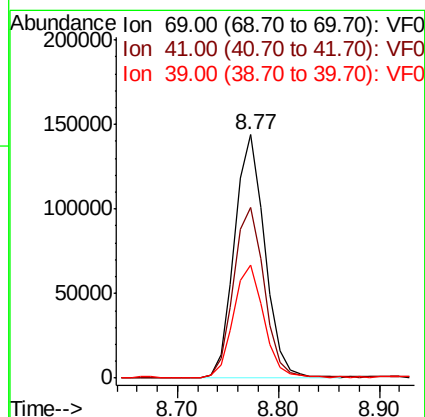
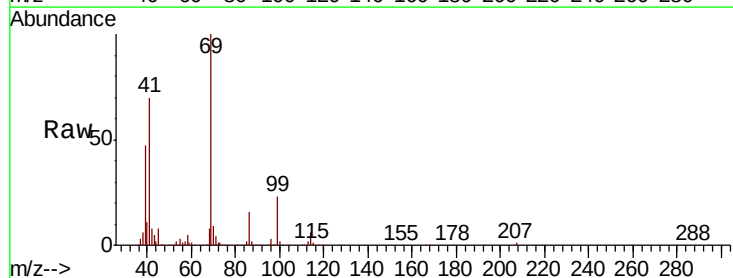
RT: 8.77 min Scan# 826

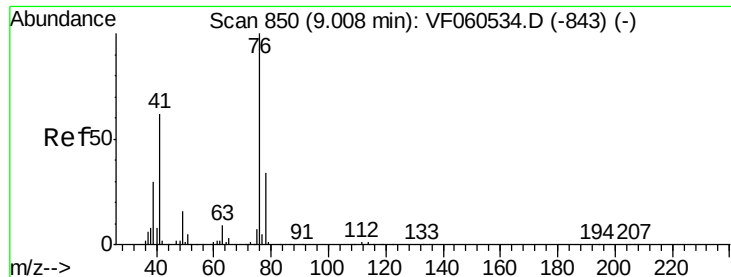
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion:	69	Resp:	302536
Ion Ratio	Lower	Upper	
69	100		
41	70.3	55.0	82.6
39	46.7	35.1	52.7





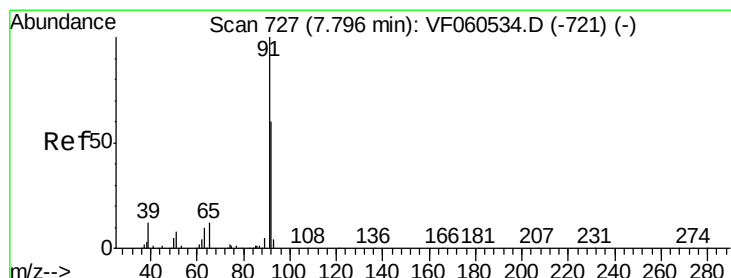
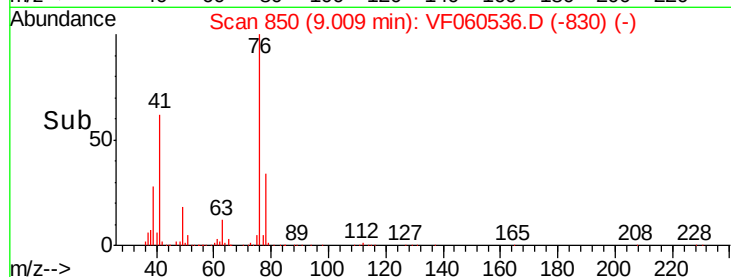
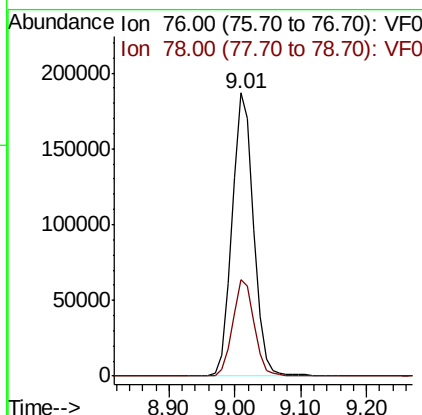
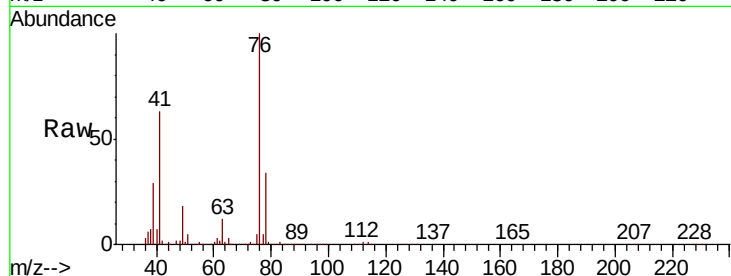
#57
 1,3-Dichloropropane
 Concen: 88.733 ug/l
 RT: 9.01 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.0	27.3	40.9

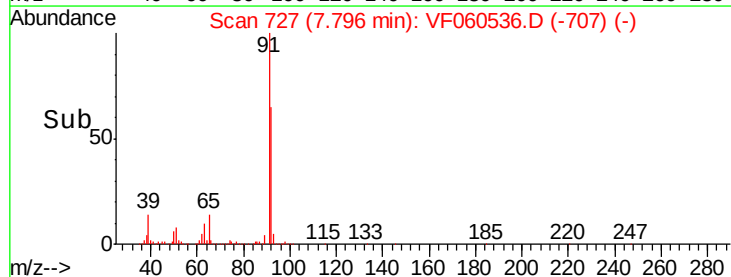
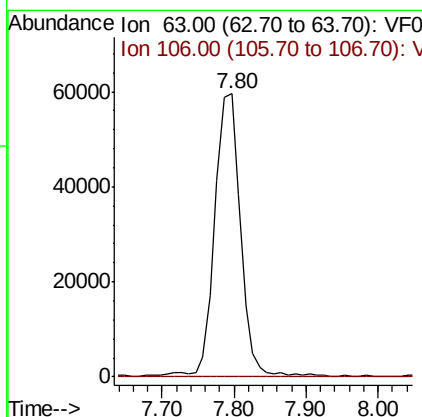
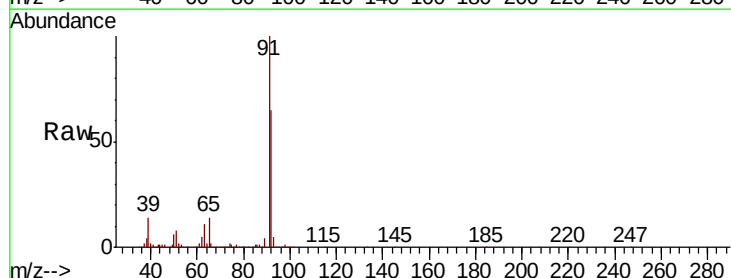
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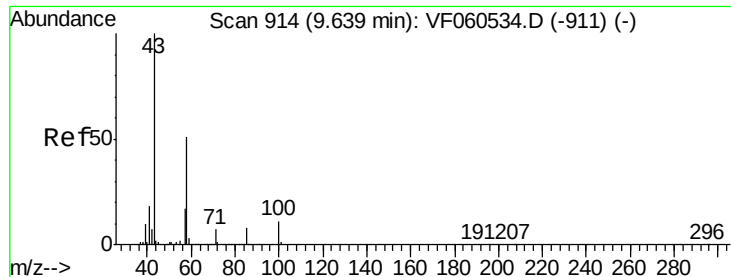
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#58
 2-Chloroethyl Vinyl ether
 Concen: 373.465 ug/l
 RT: 7.80 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





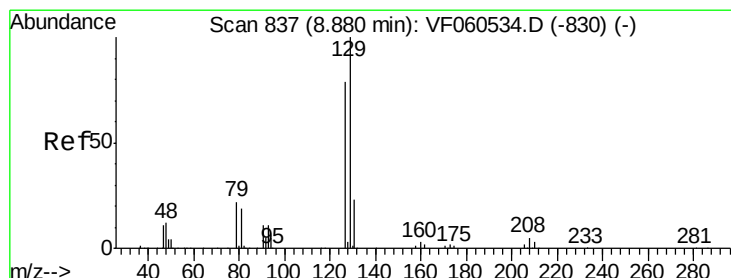
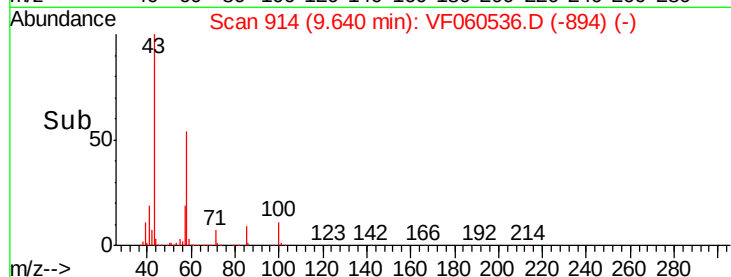
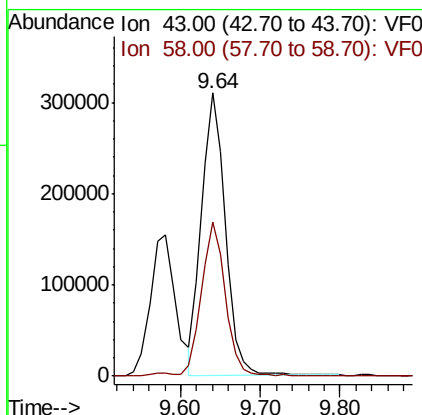
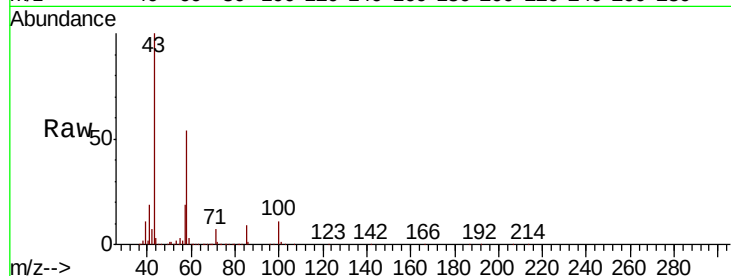
#59
2-Hexanone
Concen: 404.966 ug/l
RT: 9.64 min Scan# 914
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 641917
Ion Ratio Lower Upper
43 100
58 54.4 24.1 72.3

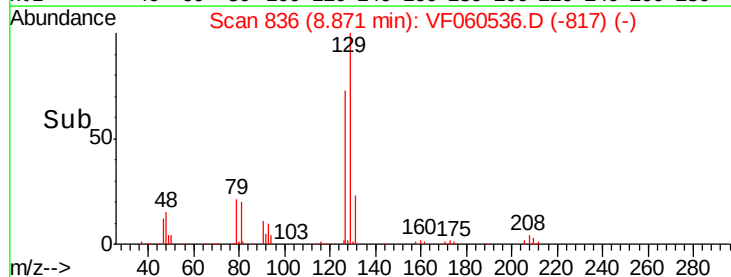
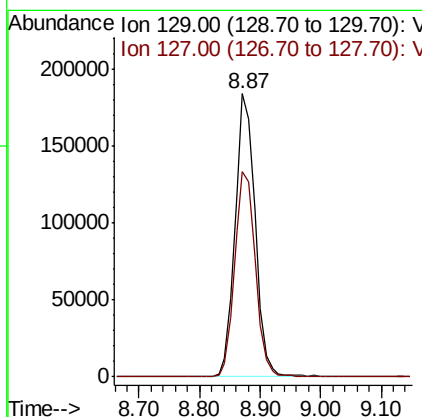
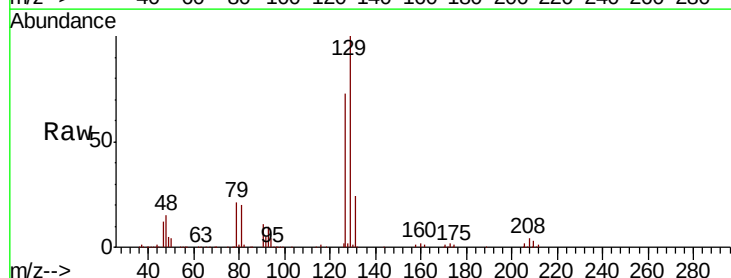
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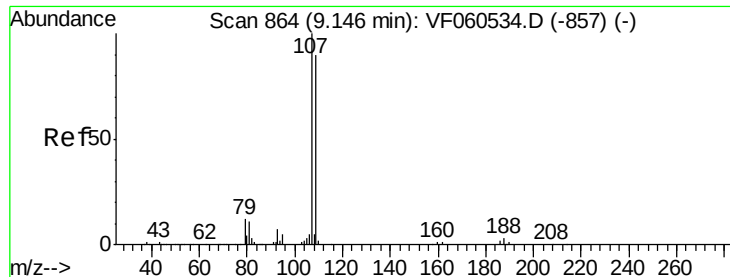
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10/30/2018 2:07:30 PM



#60
Dibromochloromethane
Concen: 83.779 ug/l
RT: 8.87 min Scan# 836
Delta R.T. -0.01 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tgt Ion: 129 Resp: 425617
Ion Ratio Lower Upper
129 100
127 72.7 39.6 119.0





#61

1,2-Dibromoethane

Concen: 92.624 ug/l

RT: 9.15 min Scan# 864

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 299575

Ion Ratio Lower Upper

107 100

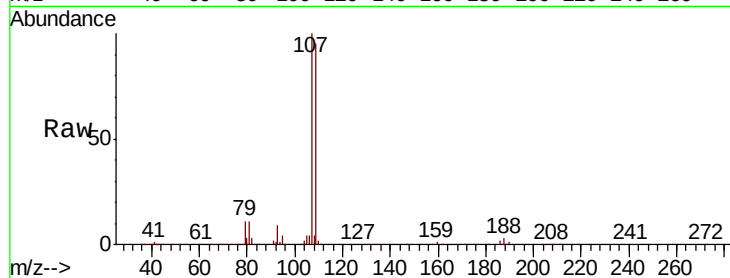
109 94.7 72.2 108.2

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

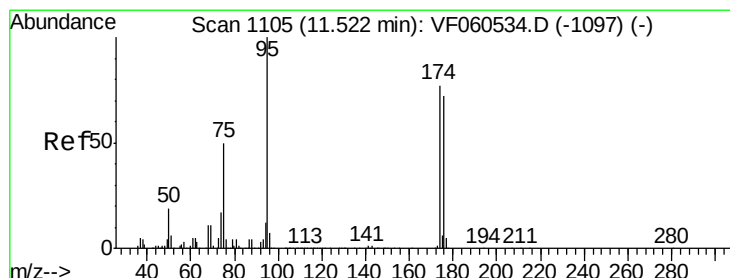
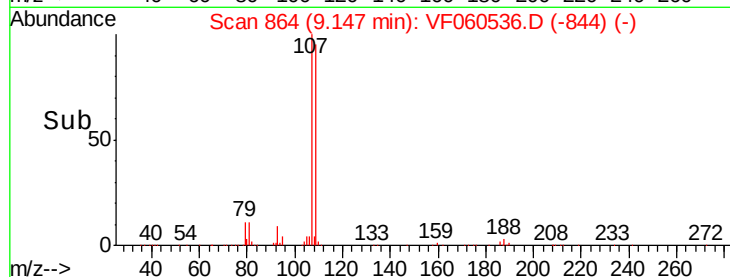
100000

50000

0

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 79.599 ug/l

RT: 11.52 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

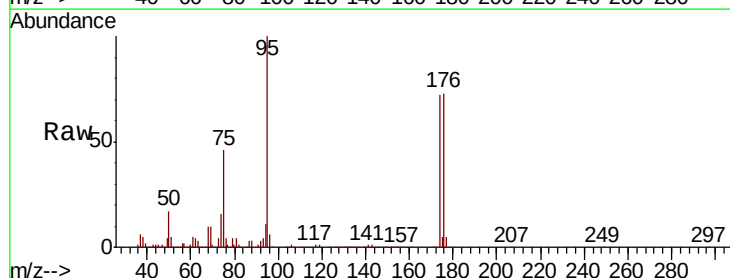
Tgt Ion: 95 Resp: 562974

Ion Ratio Lower Upper

95 100

174 71.7 0.0 153.8

176 72.9 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

400000

300000

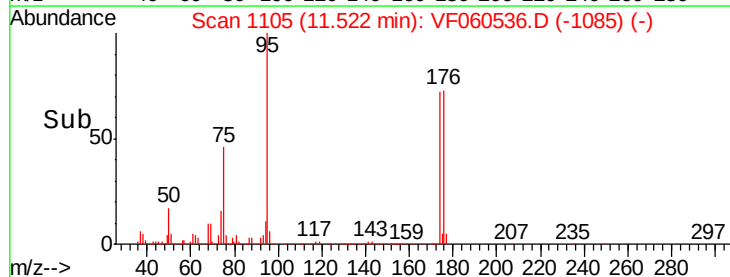
200000

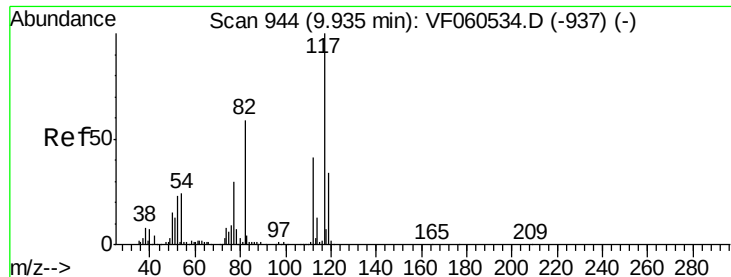
100000

0

11.40 11.50 11.60 11.70

Time-->





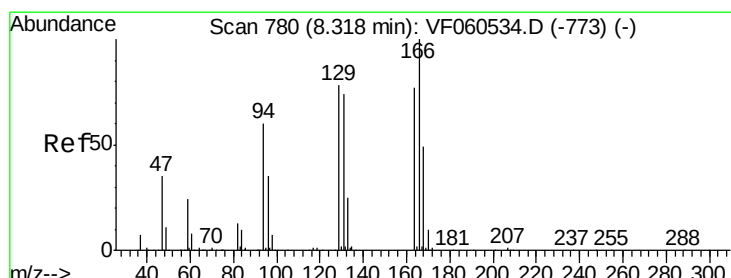
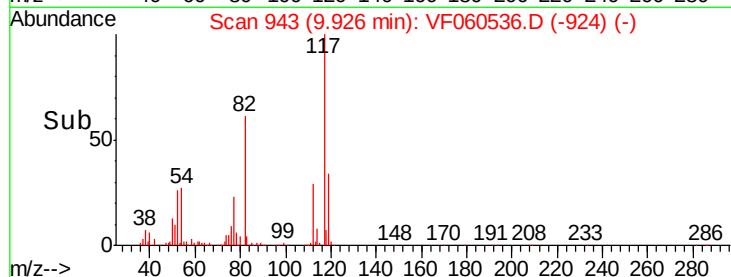
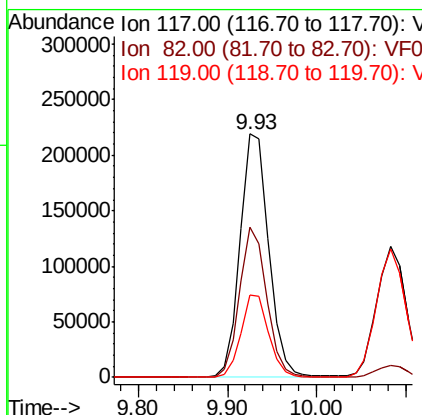
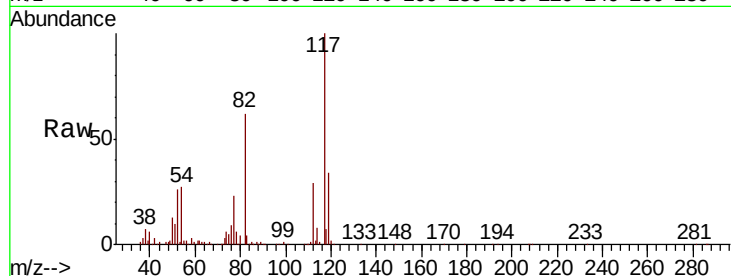
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	491577		
82	61.5	47.6	71.4	
119	34.0	27.3	40.9	

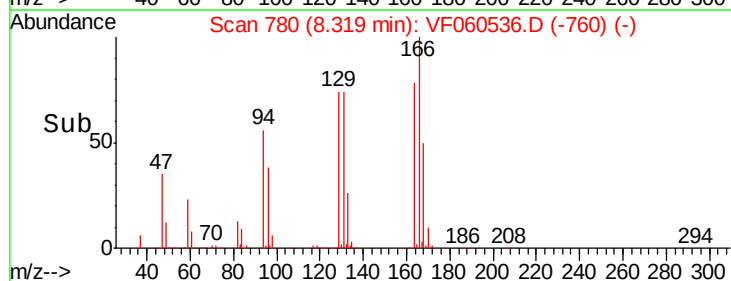
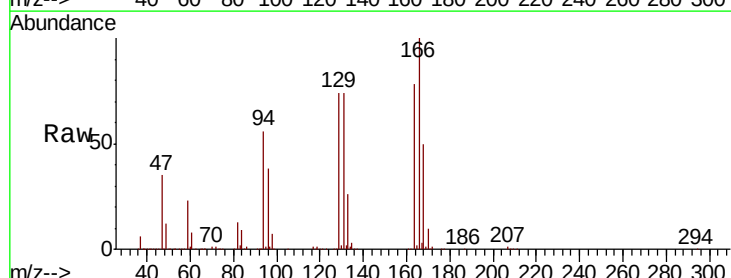
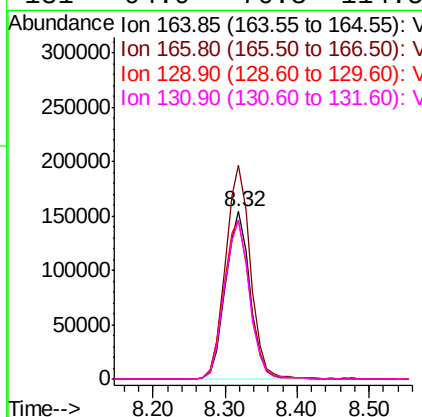
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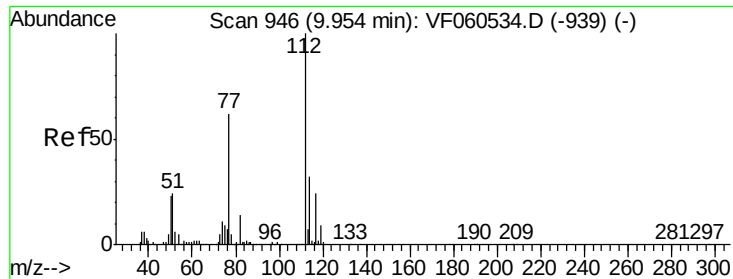
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#64
Tetrachloroethene
Concen: 85.879 ug/l
RT: 8.32 min Scan# 780
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	363634		
166	127.8	103.4	155.2	
129	94.9	80.7	121.1	
131	94.9	76.3	114.5	





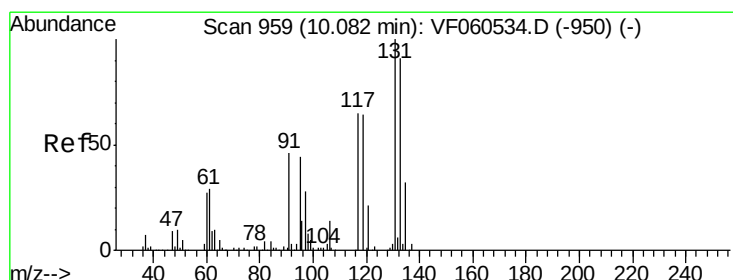
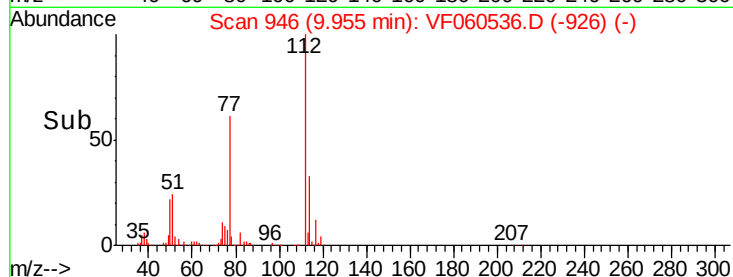
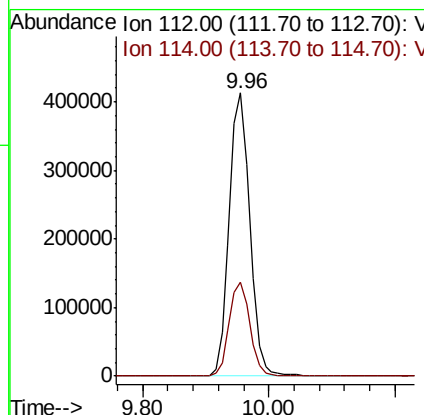
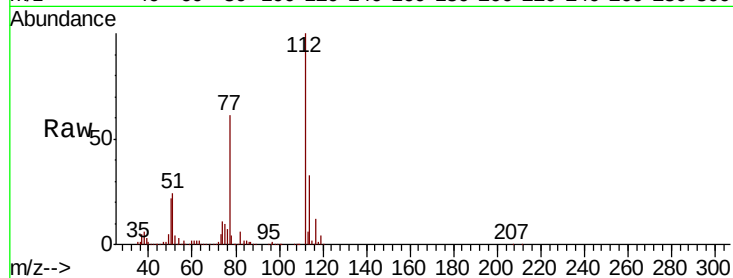
#65
Chlorobenzene
Concen: 89.760 ug/l
RT: 9.96 min Scan# 946
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	25.5	38.3

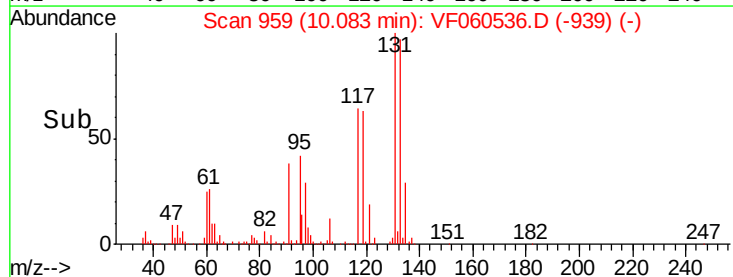
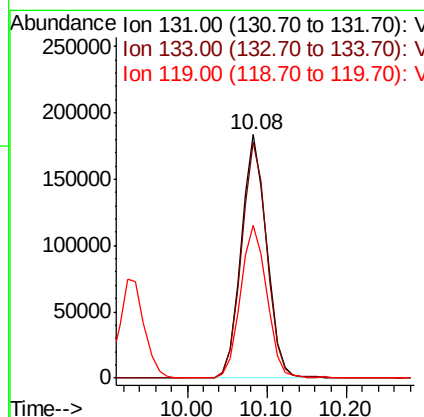
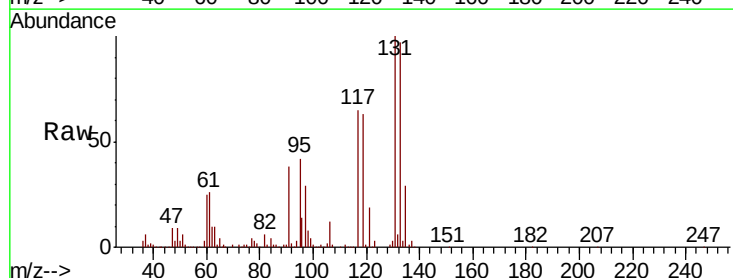
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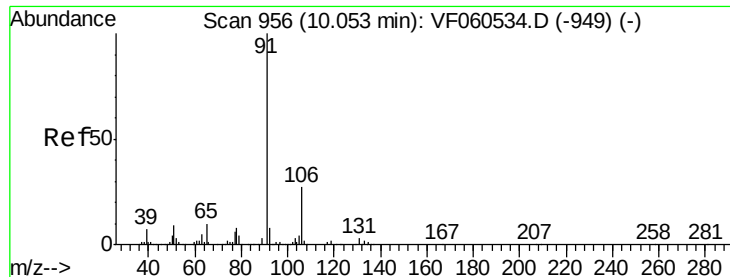
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#66
1,1,1,2-Tetrachloroethane
Concen: 77.513 ug/l
RT: 10.08 min Scan# 959
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	45.8	137.3
119	62.9	32.4	97.0





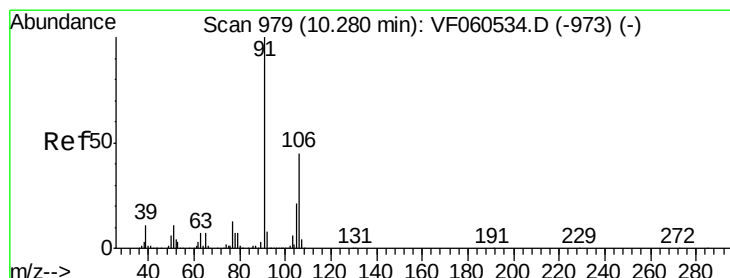
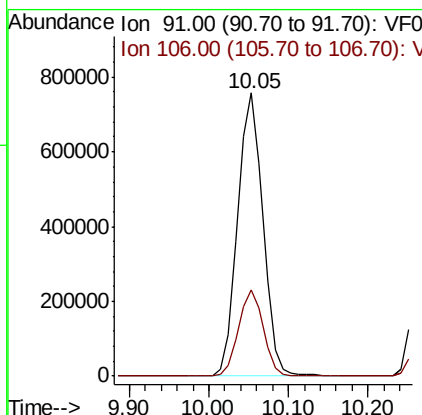
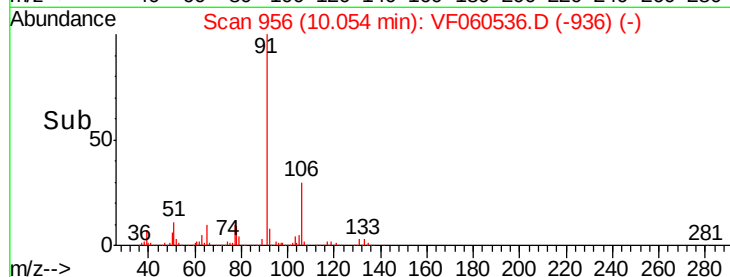
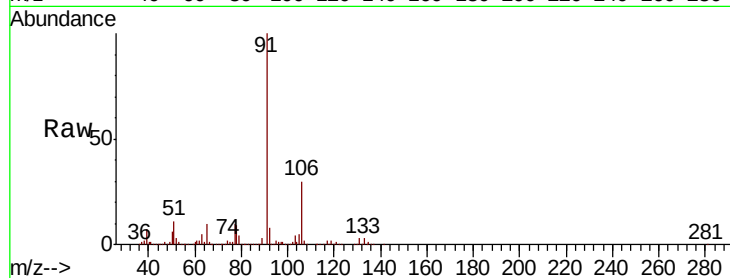
#67
Ethyl Benzene
Concen: 79.793 ug/l
RT: 10.05 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1674175
Ion Ratio Lower Upper
91 100
106 30.3 21.9 32.9

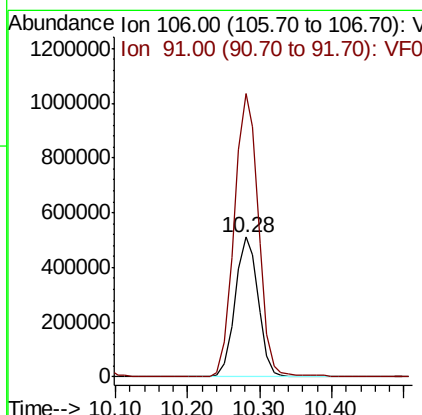
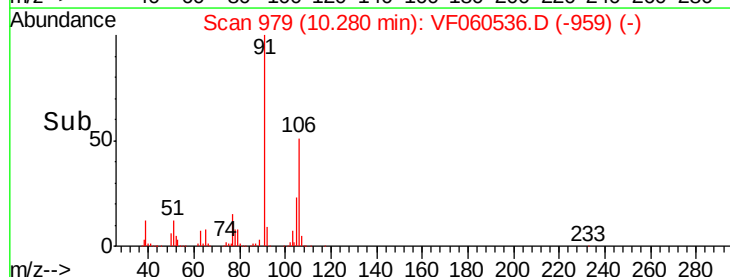
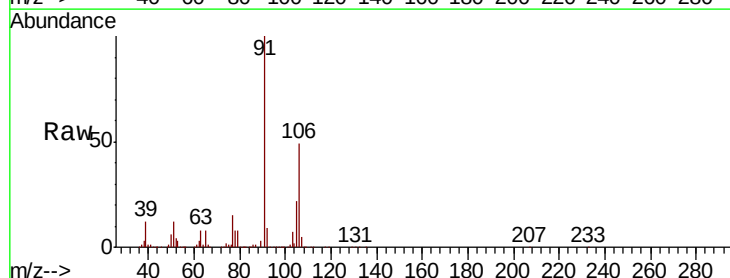
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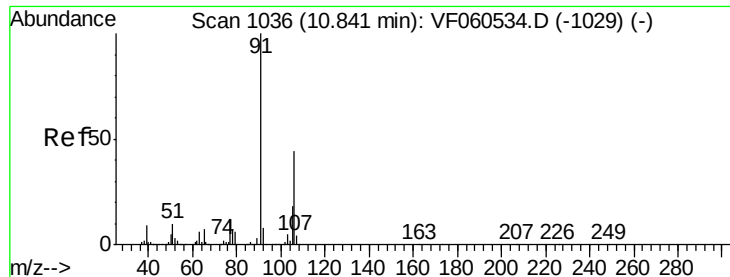
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#68
m/p-Xylenes
Concen: 172.651 ug/l
RT: 10.28 min Scan# 979
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tgt Ion: 106 Resp: 1146853
Ion Ratio Lower Upper
106 100
91 202.3 176.2 264.2





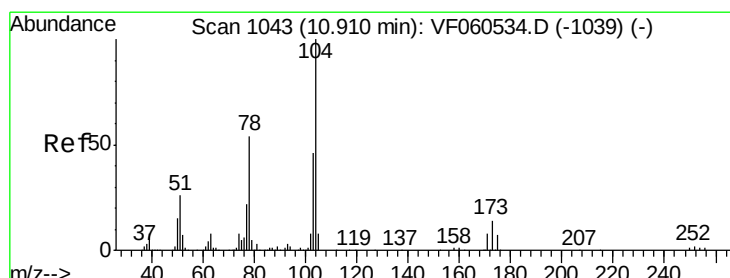
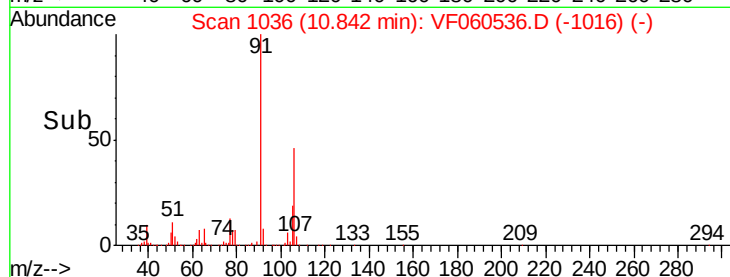
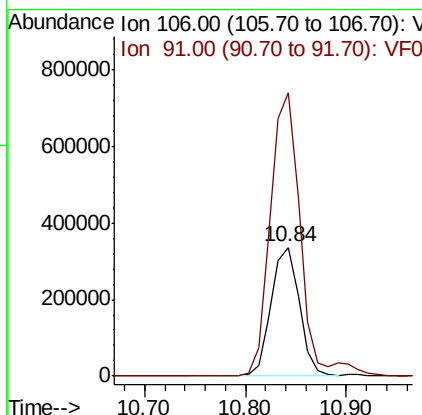
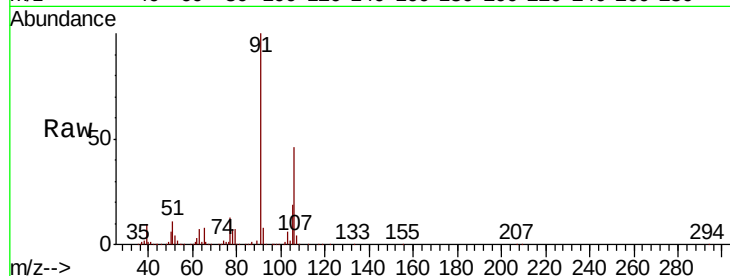
#69
o-Xylene
Concen: 86.620 ug/l
RT: 10.84 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.6	112.9	338.8

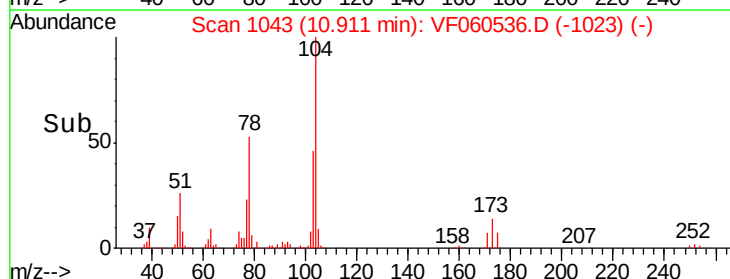
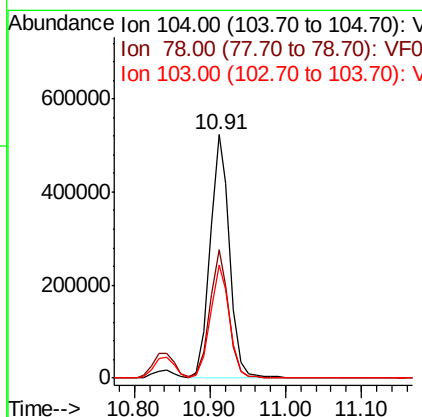
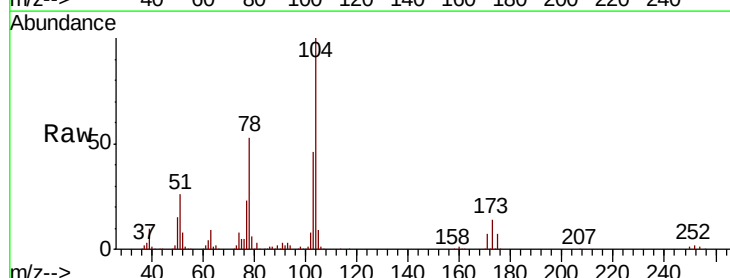
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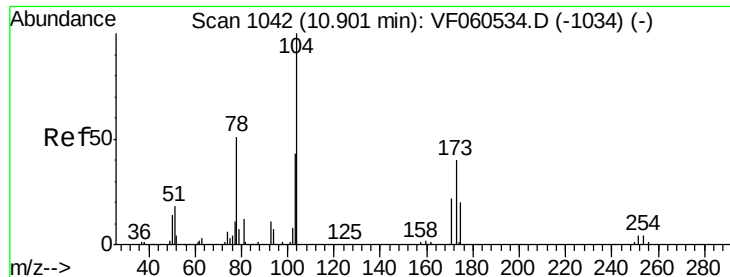
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#70
Styrene
Concen: 89.233 ug/l
RT: 10.91 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF060536.D
Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.8	43.4	65.2
103	46.3	36.9	55.3





#71

Bromoform

Concen: 78.103 ug/l

RT: 10.90 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

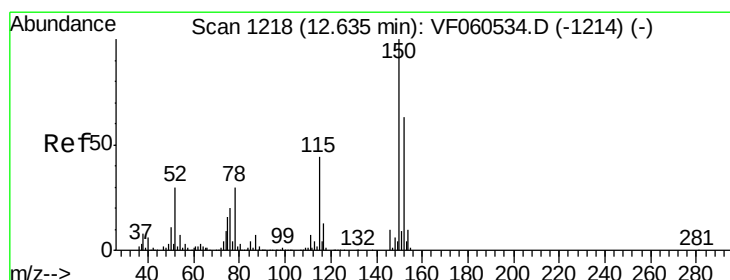
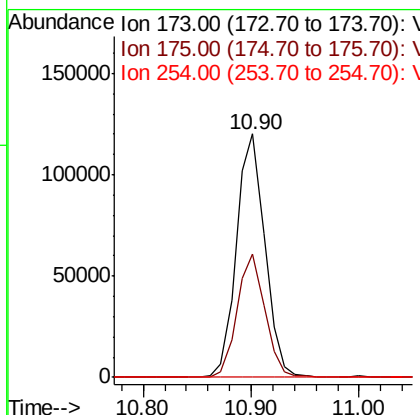
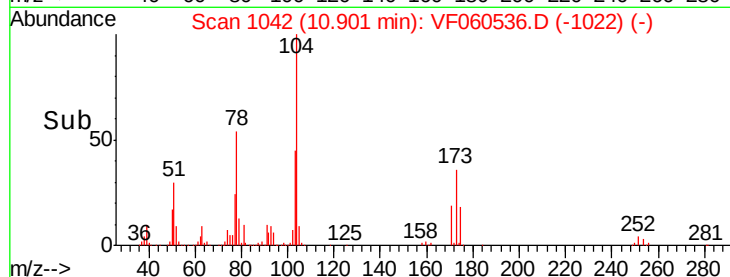
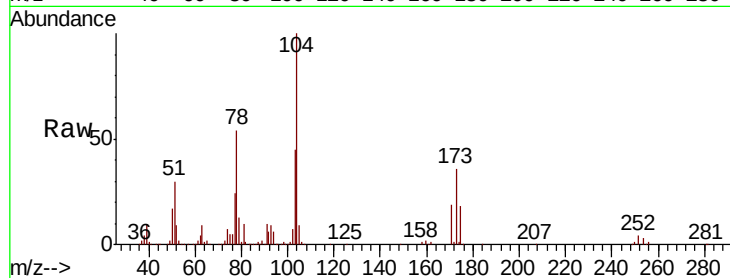
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	25.7	77.0
254	0.0	7.8	11.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

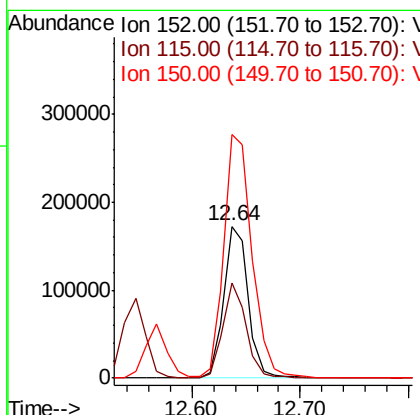
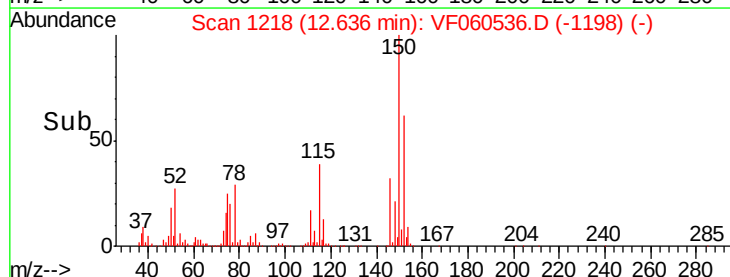
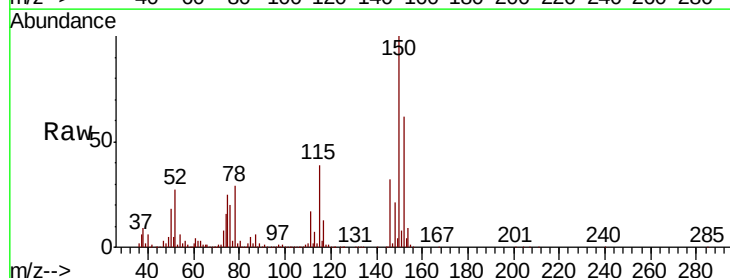
RT: 12.64 min Scan# 1218

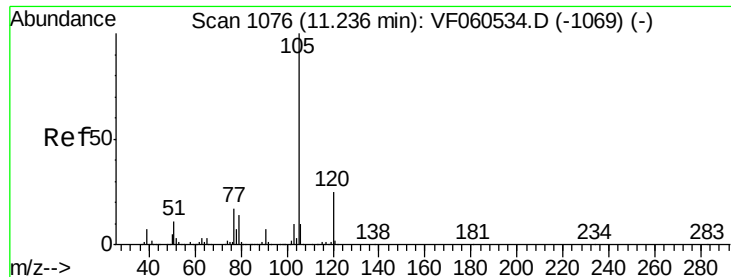
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	34.7	104.1
150	160.4	0.0	318.4





#73

Isopropylbenzene

Concen: 85.654 ug/l

RT: 11.24 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1837849

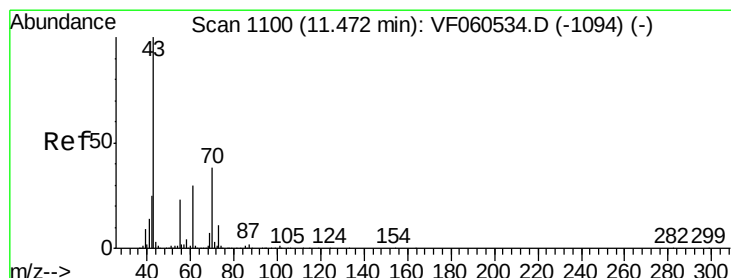
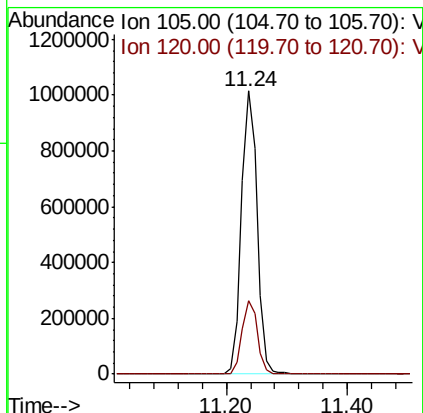
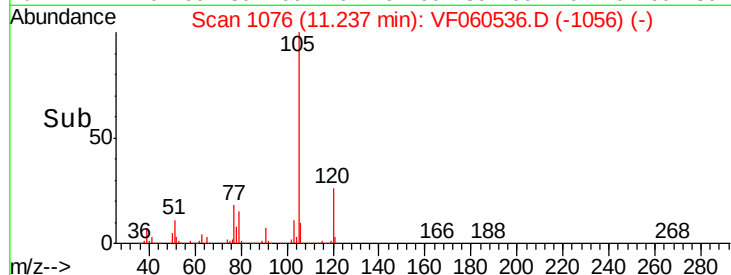
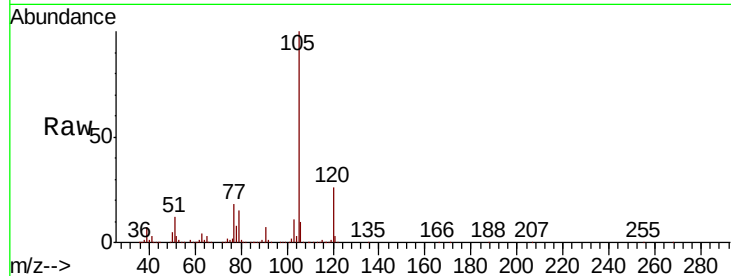
Ion Ratio Lower Upper

105 100

120 26.0 12.3 36.8

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#74

N-ethyl acetate

Concen: 109.623 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion: 43 Resp: 427065

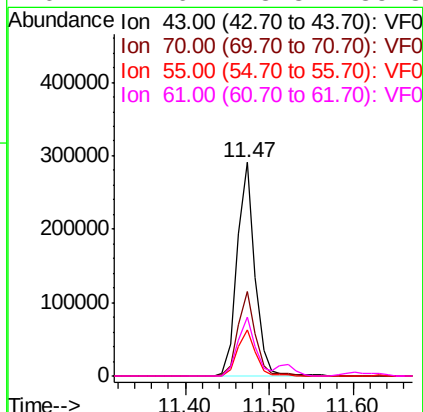
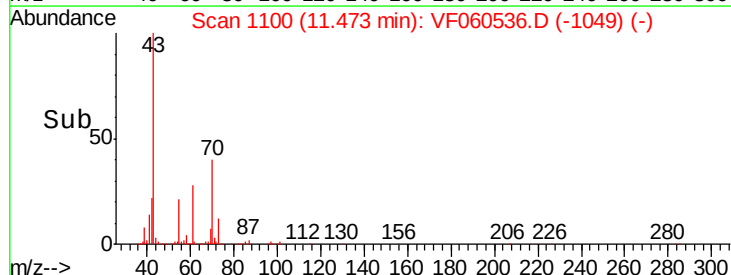
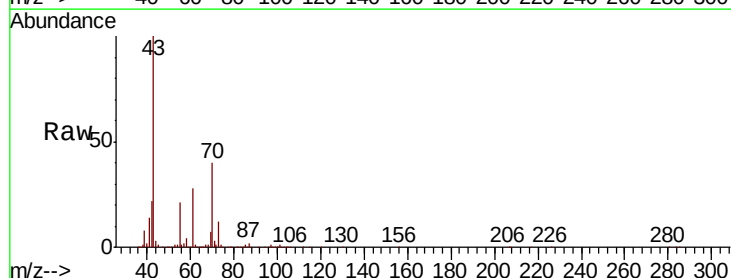
Ion Ratio Lower Upper

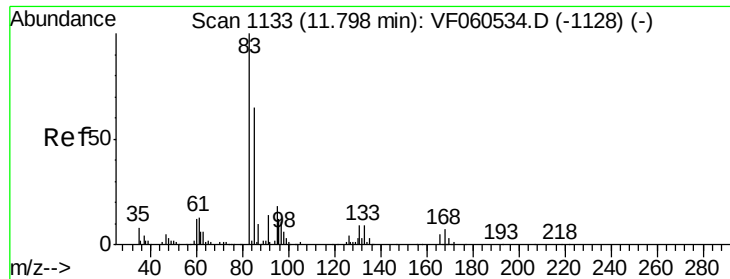
43 100

70 39.7 30.8 46.2

55 21.5 18.2 27.4

61 27.6 23.8 35.8





#75

1,1,2,2-Tetrachloroethane

Concen: 109.624 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

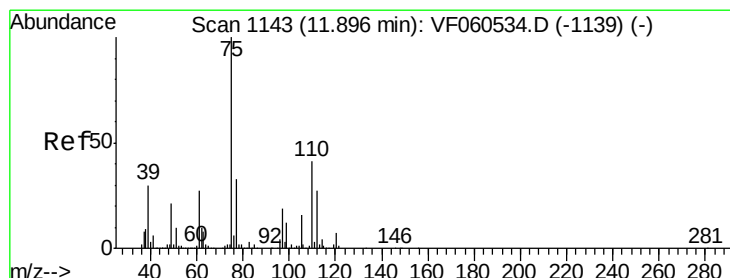
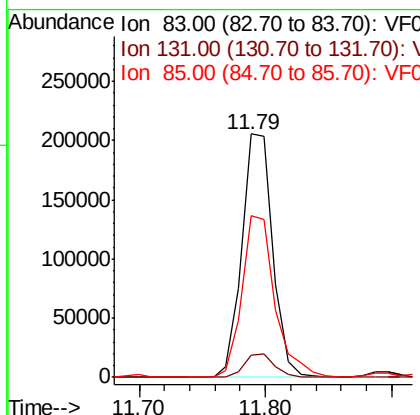
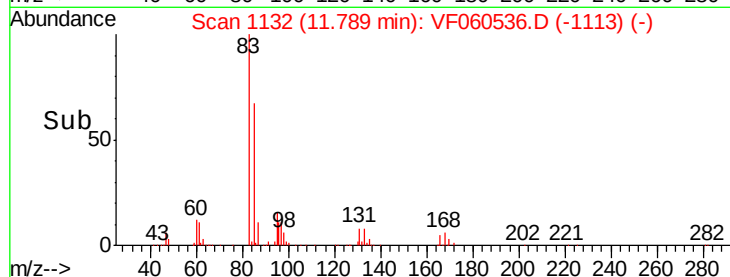
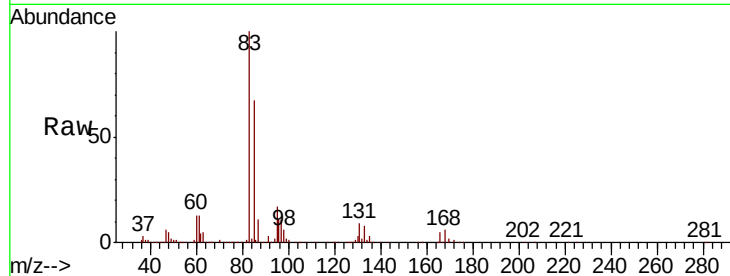
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	349000
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.7	14.0
85	66.6	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 94.565 ug/l

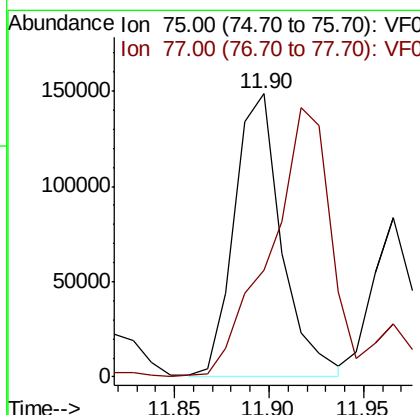
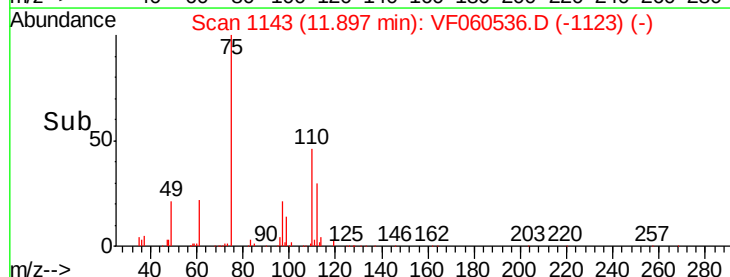
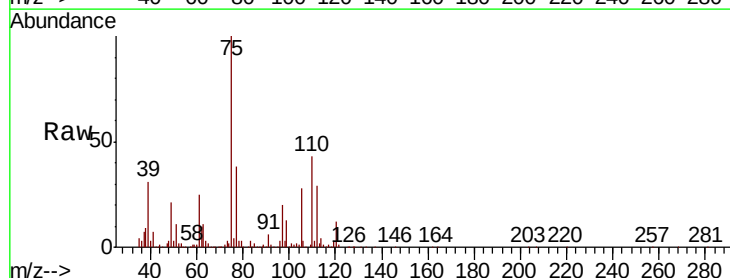
RT: 11.90 min Scan# 1143

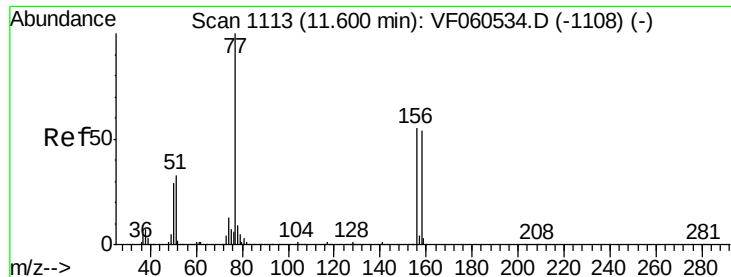
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion:	75	Resp:	255808
Ion Ratio	Lower	Upper	
75	100		
77	37.9	16.7	50.1





#77

Bromobenzene

Concen: 95.927 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

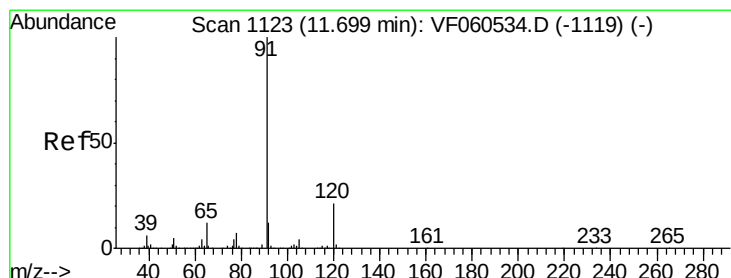
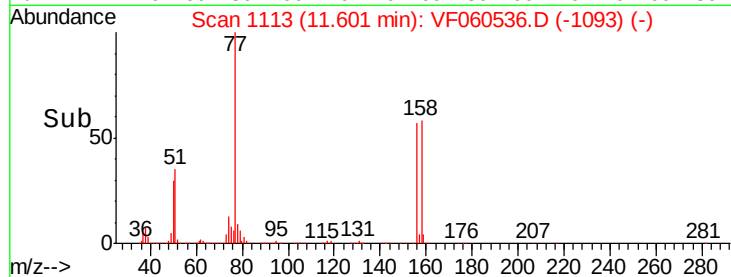
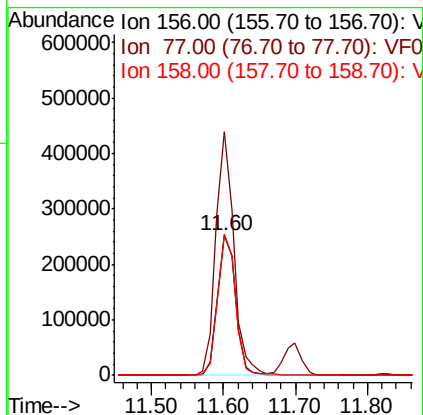
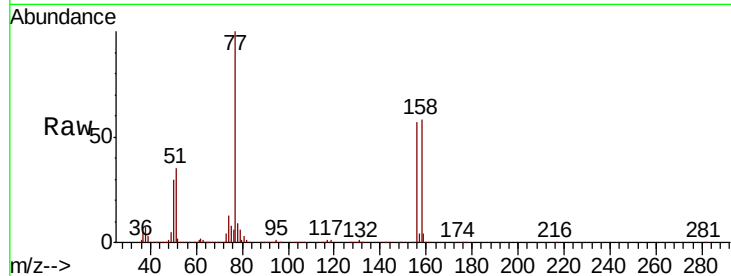
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	174.1	91.3	274.1	
158	101.2	49.3	147.9	

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#78

n-propylbenzene

Concen: 86.403 ug/l

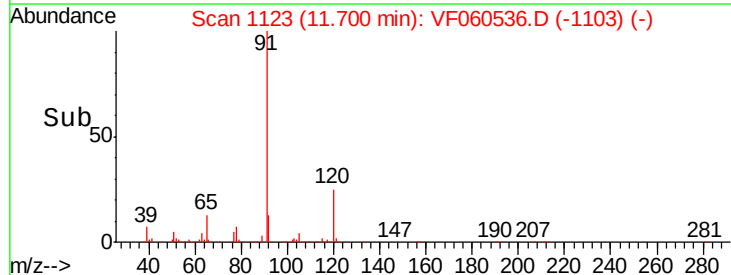
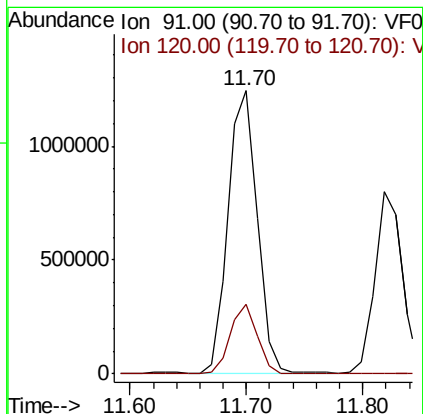
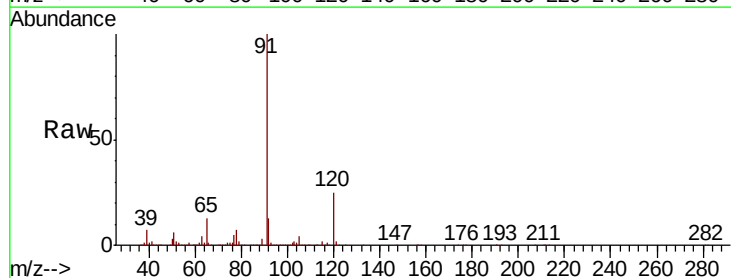
RT: 11.70 min Scan# 1123

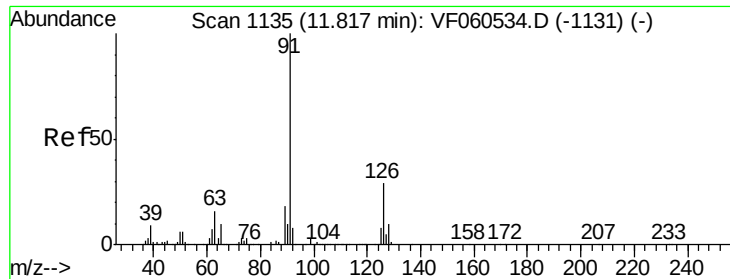
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.7	10.7	32.1	





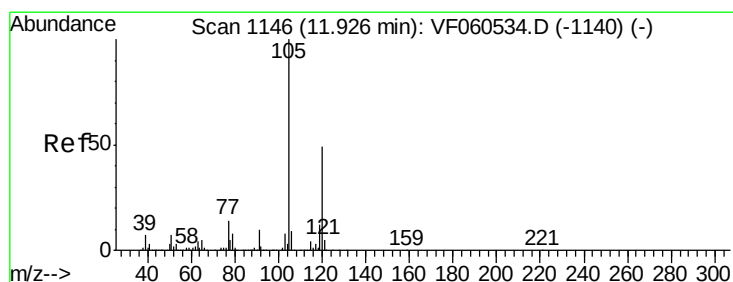
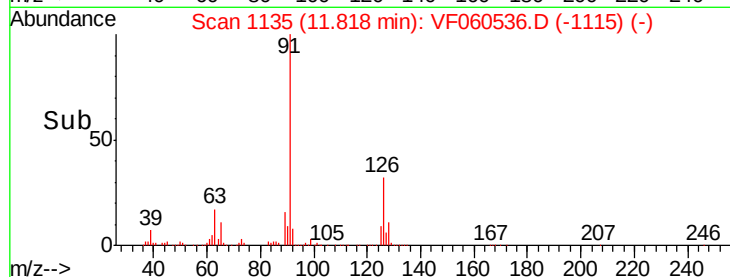
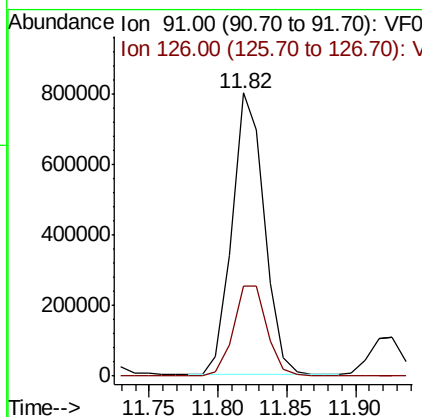
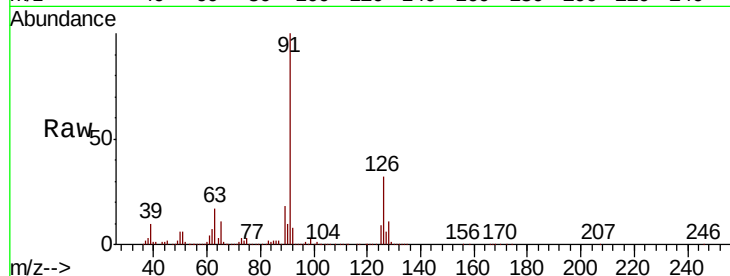
#79
 2-Chlorotoluene
 Concen: 85.922 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 1302521
 Ion Ratio Lower Upper
 91 100
 126 32.0 14.2 42.8

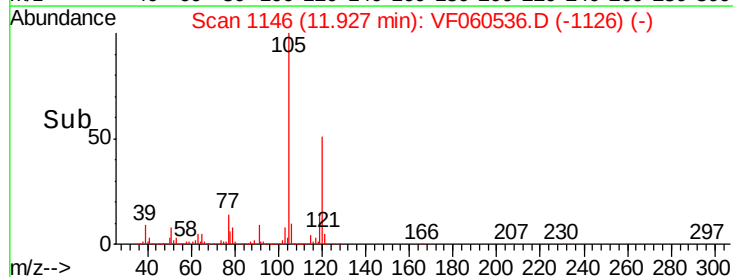
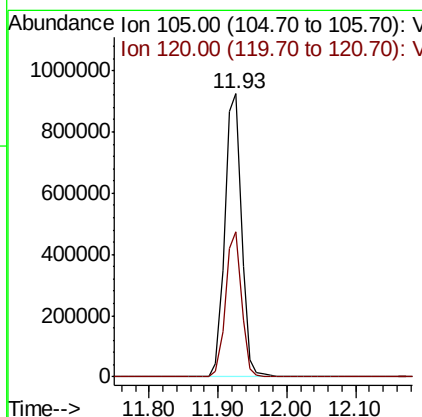
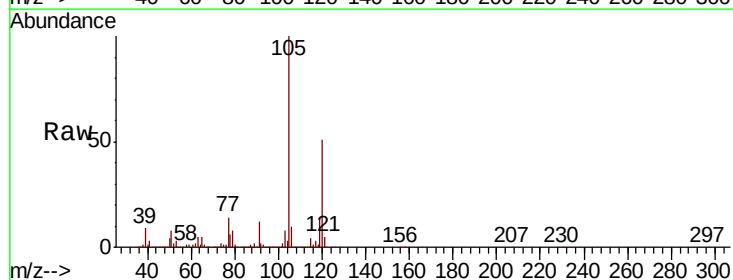
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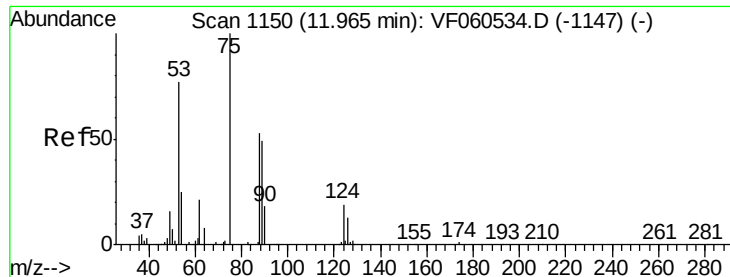
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 83.140 ug/l
 RT: 11.93 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Tgt Ion: 105 Resp: 1561437
 Ion Ratio Lower Upper
 105 100
 120 51.1 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 114.954 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

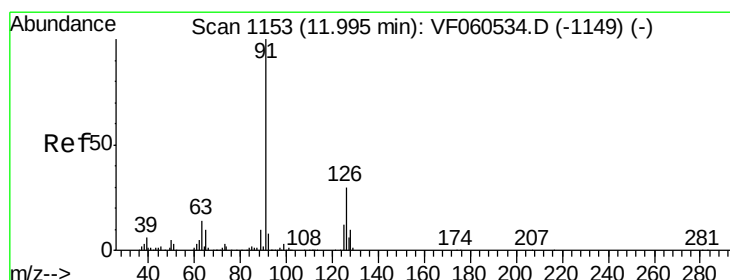
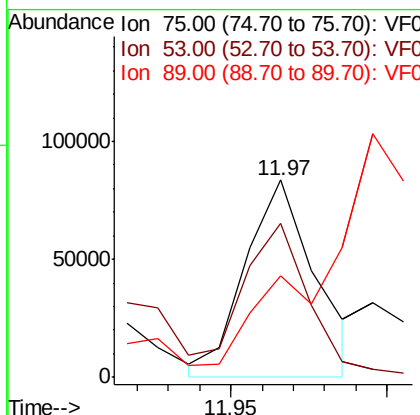
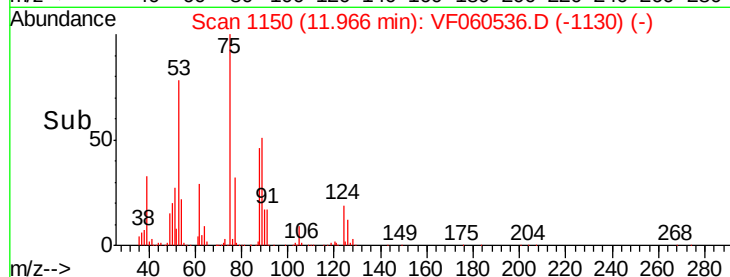
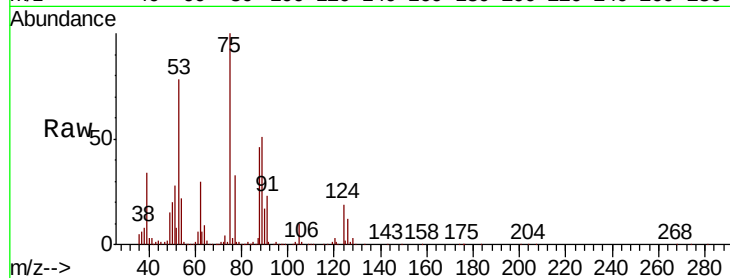
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	130604
Ion Ratio	Lower	Upper	
75	100		
53	78.0	65.8	98.6
89	51.3	44.0	66.0

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#82

4-Chlorotoluene

Concen: 87.547 ug/l

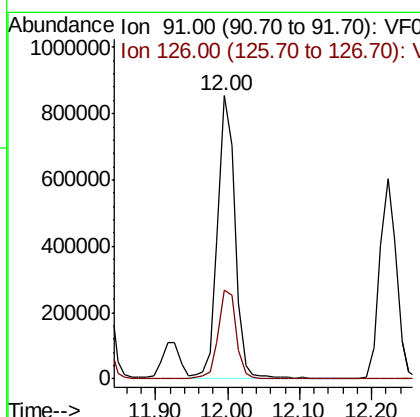
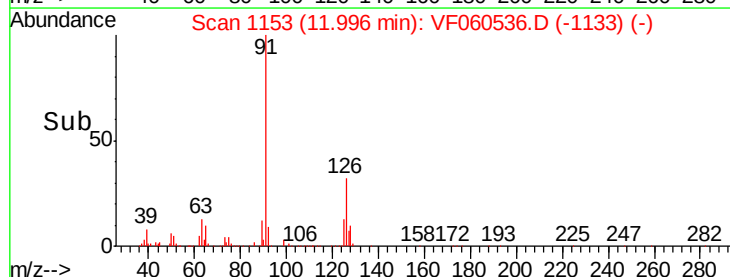
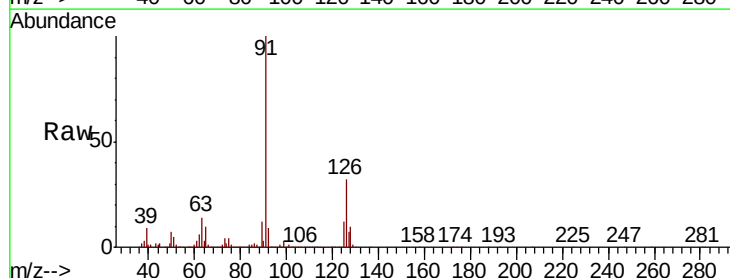
RT: 12.00 min Scan# 1153

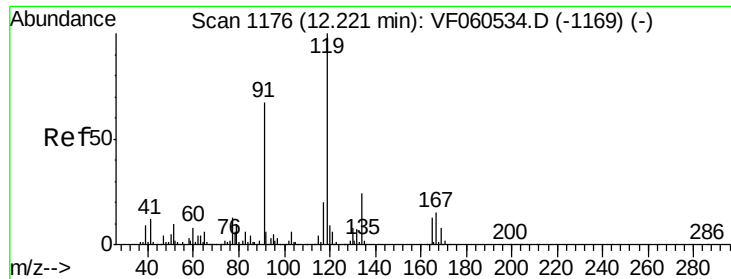
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion:	91	Resp:	1405059
Ion Ratio	Lower	Upper	
91	100		
126	31.5	15.1	45.3





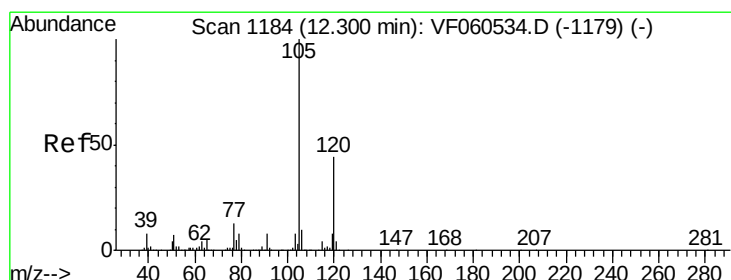
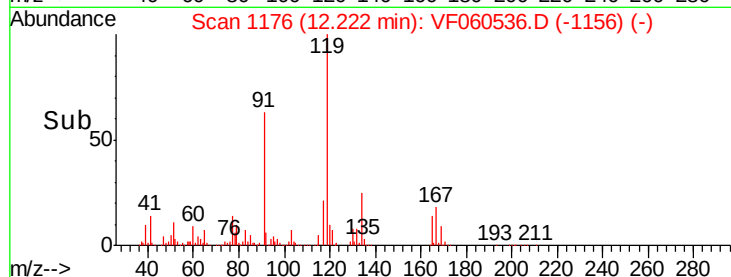
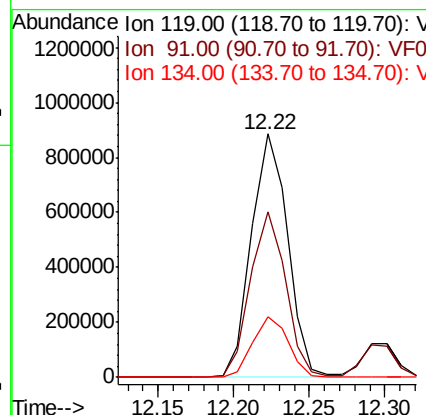
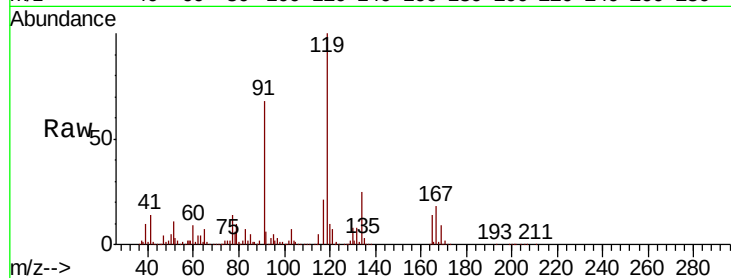
#83
 tert-Butylbenzene
 Concen: 79.831 ug/l
 RT: 12.22 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	33.6	100.8
134	24.9	12.0	36.0

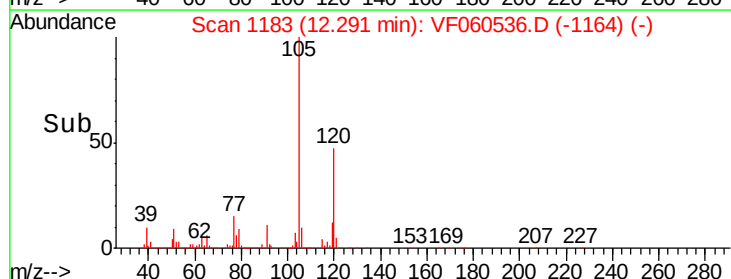
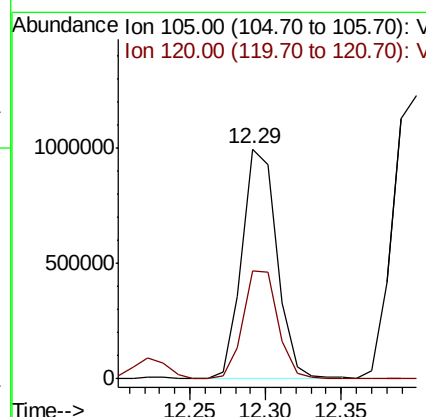
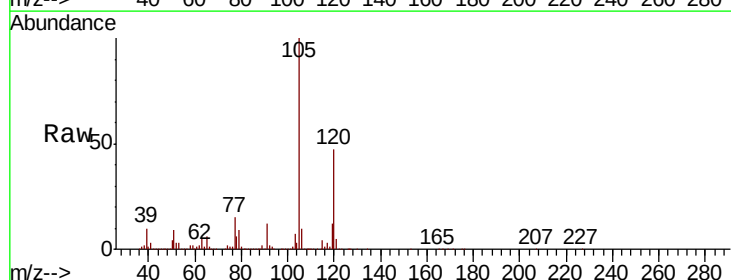
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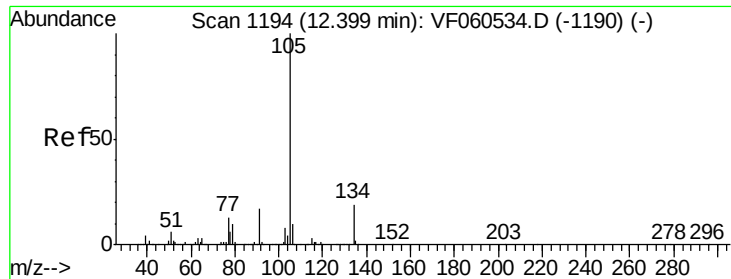
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#84
 1,2,4-Trimethylbenzene
 Concen: 86.827 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.0	66.0





#85

sec-Butylbenzene

Concen: 82.373 ug/l

RT: 12.40 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2092040

Ion Ratio Lower Upper

105 100

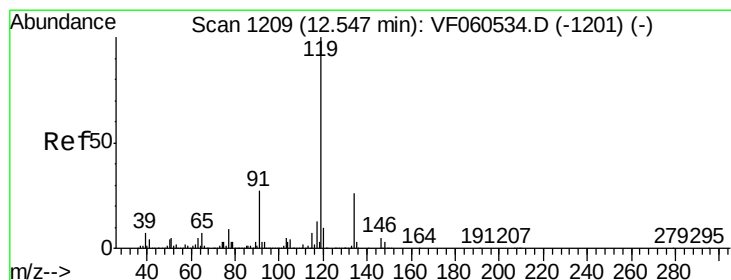
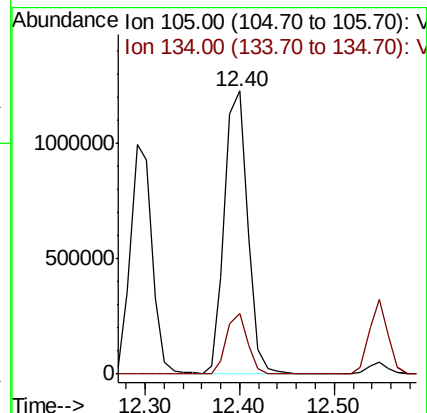
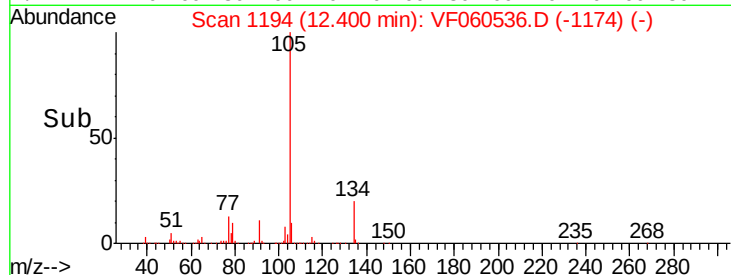
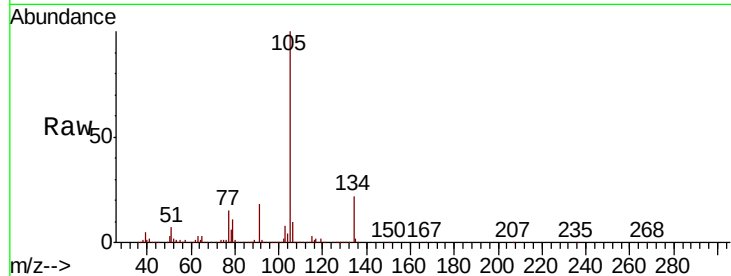
134 21.6 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 80.274 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

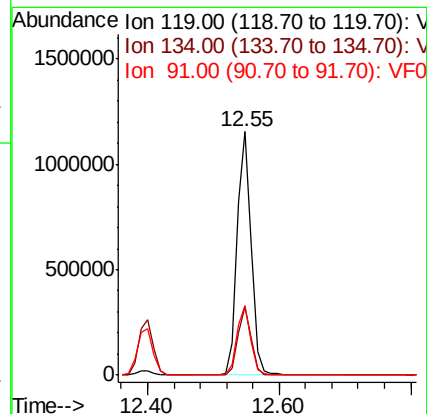
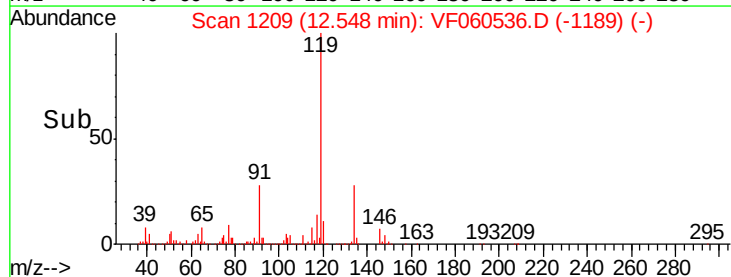
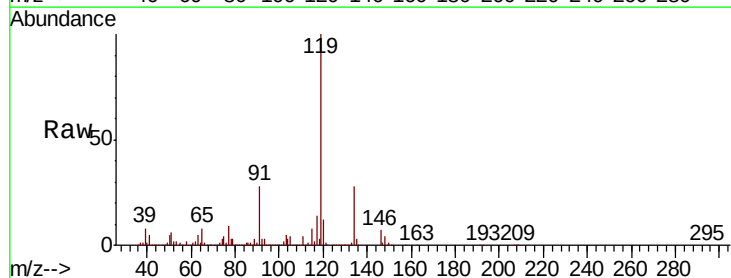
Tgt Ion:119 Resp: 1724152

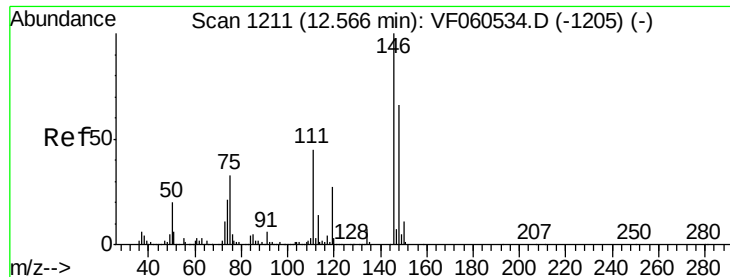
Ion Ratio Lower Upper

119 100

134 28.2 13.1 39.1

91 28.5 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 86.331 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF060536.D

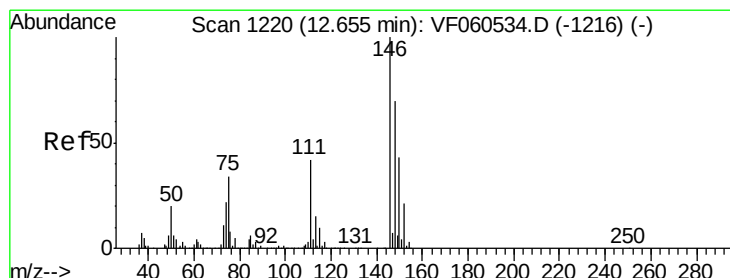
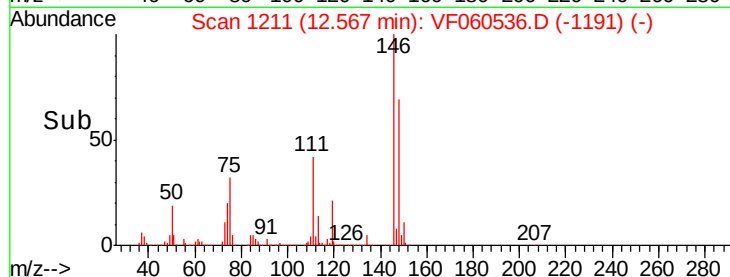
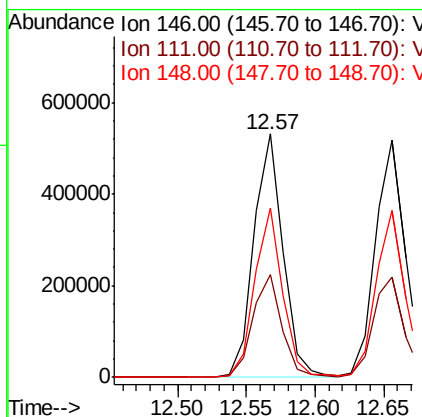
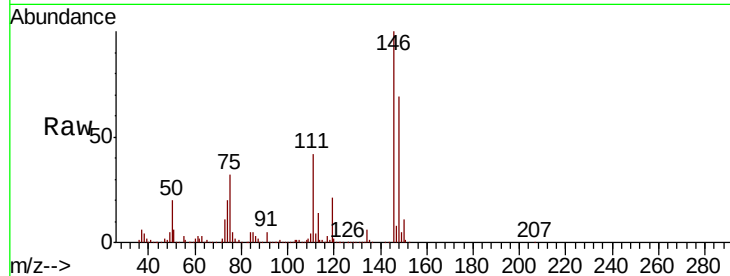
Acq: 29 Oct 2018 18:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.6	67.7
148	69.4	33.1	99.3

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#88

1,4-Dichlorobenzene

Concen: 89.775 ug/l

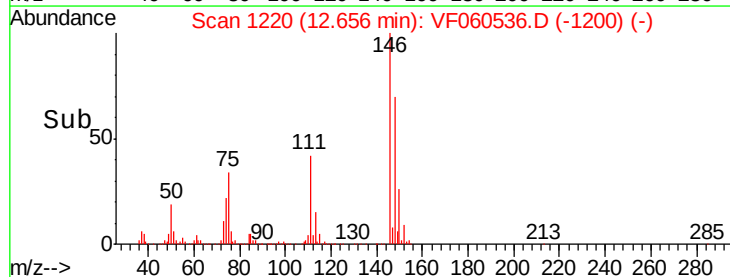
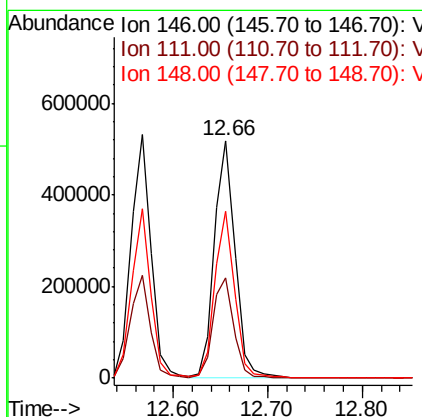
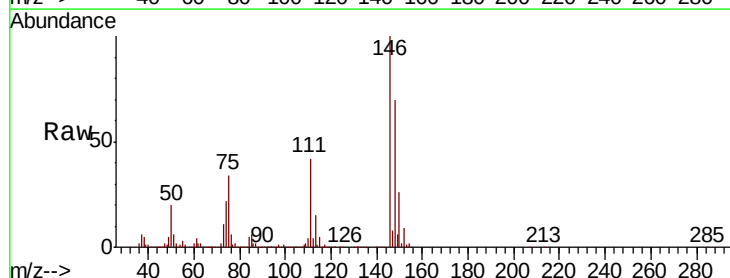
RT: 12.66 min Scan# 1220

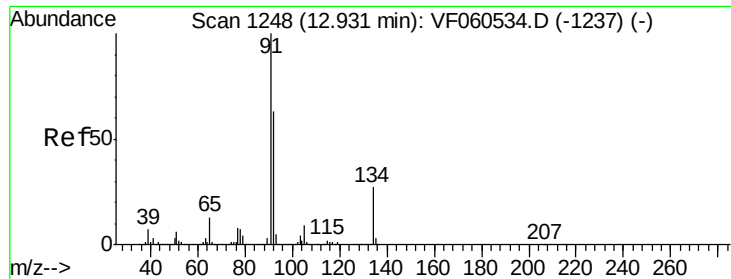
Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	70.1	35.1	105.5





#89

n-Butylbenzene

Concen: 78.006 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1784839

Ion Ratio Lower Upper

91 100

92 67.9 31.3 93.9

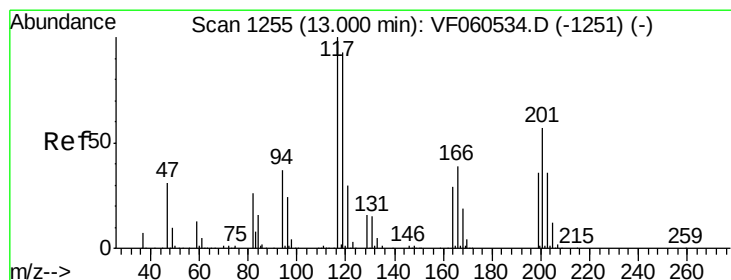
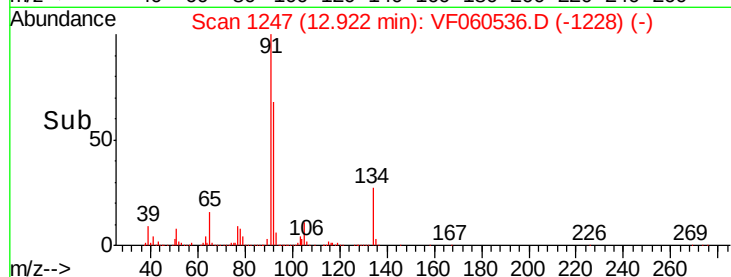
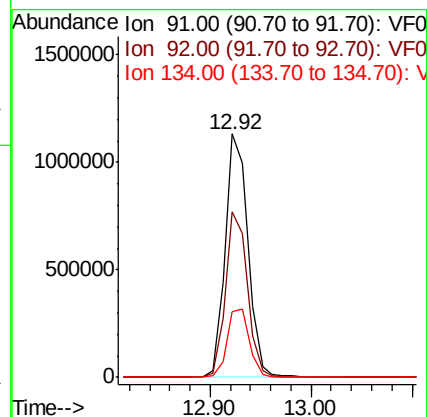
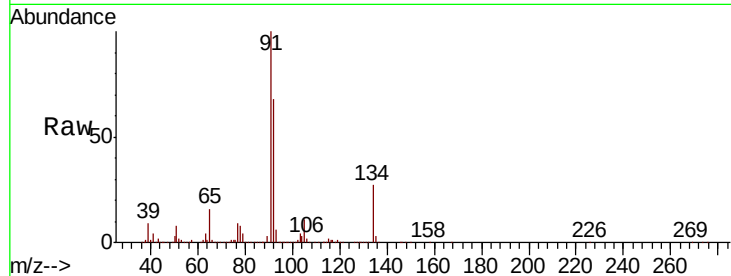
134 27.1 13.3 39.8

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#90

Hexachloroethane

Concen: 86.429 ug/l

RT: 13.00 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF060536.D

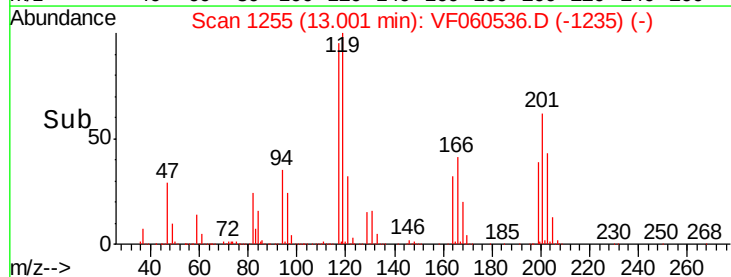
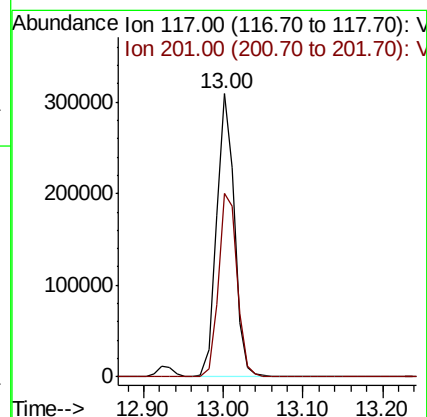
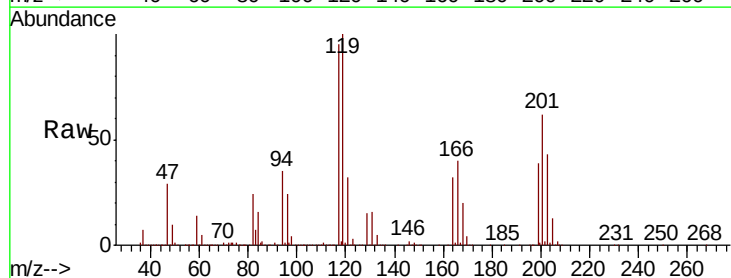
Acq: 29 Oct 2018 18:50

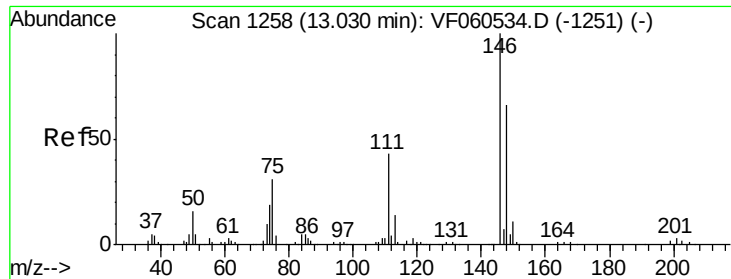
Tgt Ion: 117 Resp: 485641

Ion Ratio Lower Upper

117 100

201 65.1 28.2 84.7





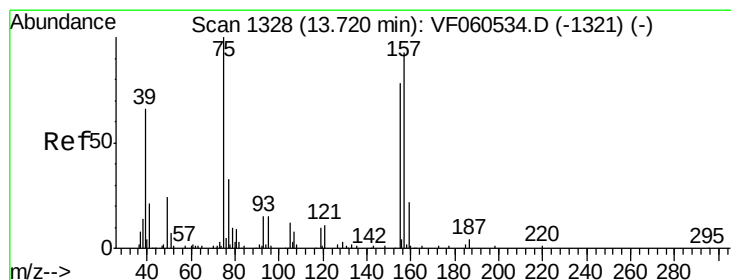
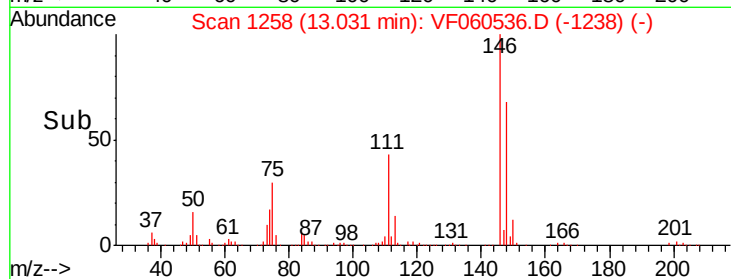
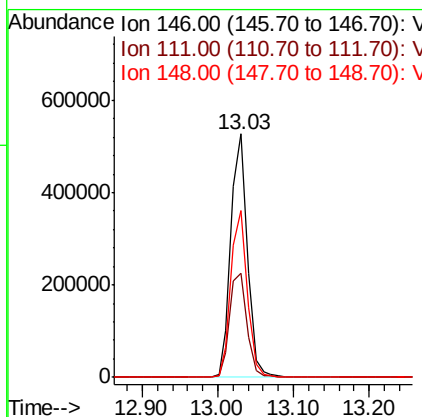
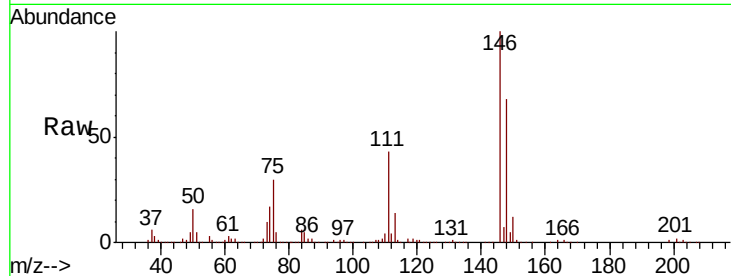
#91
 1,2-Dichlorobenzene
 Concen: 90.435 ug/l
 RT: 13.03 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	791942		
111	42.8	21.5	64.5	
148	68.3	33.1	99.5	

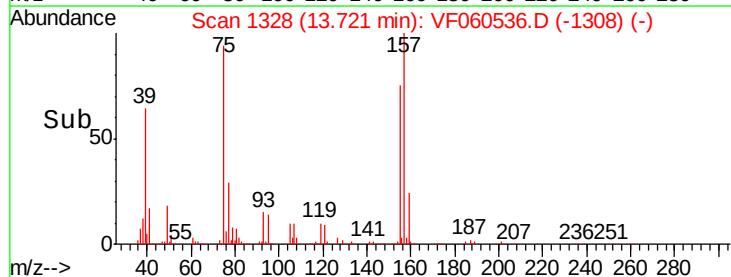
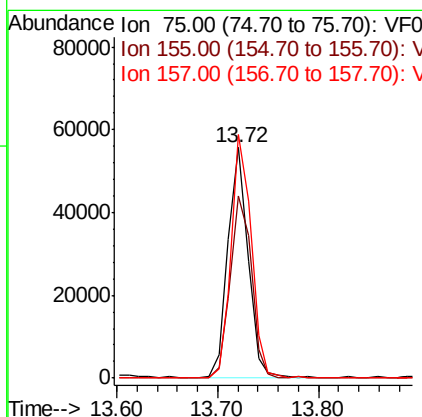
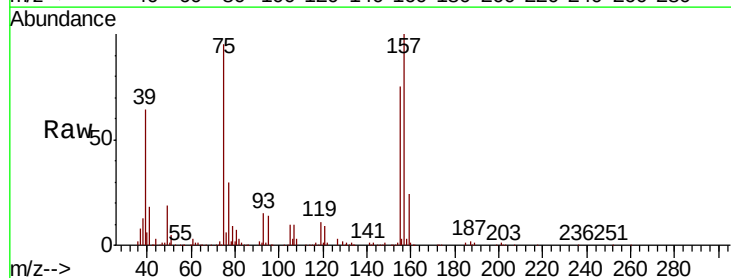
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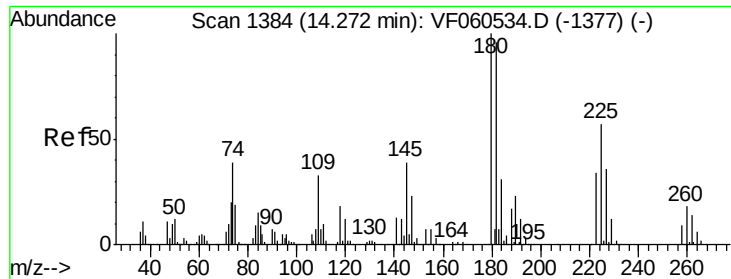
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.727 ug/l
 RT: 13.72 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77897		
155	78.8	40.8	122.5	
157	105.6	46.5	139.5	





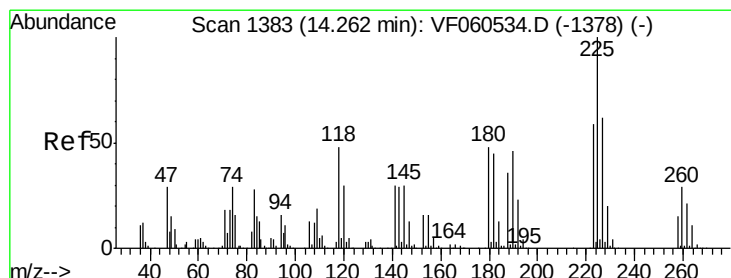
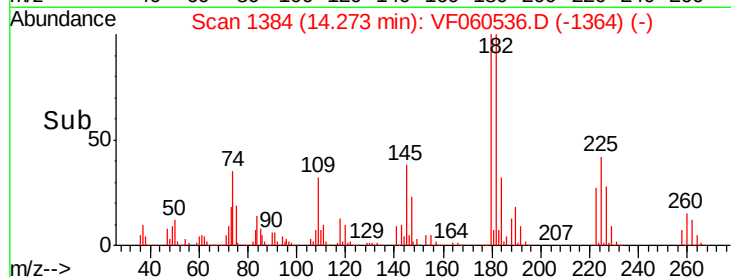
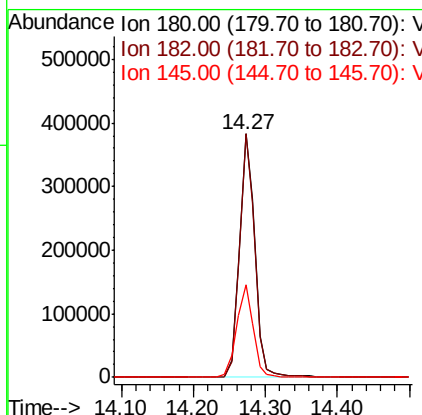
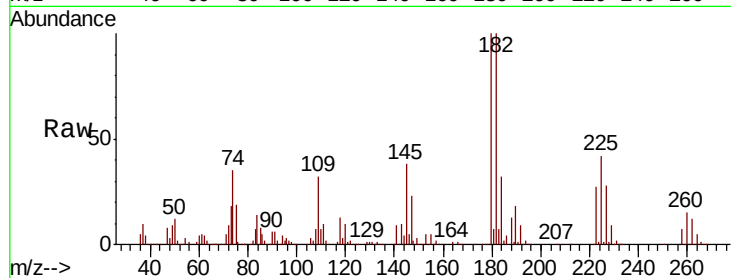
#93
 1,2,4-Trichlorobenzene
 Concen: 81.639 ug/l
 RT: 14.27 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	572196		
182	99.9	48.1	144.3	
145	37.8	19.5	58.5	

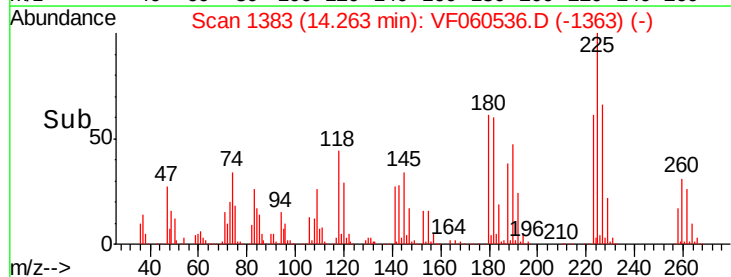
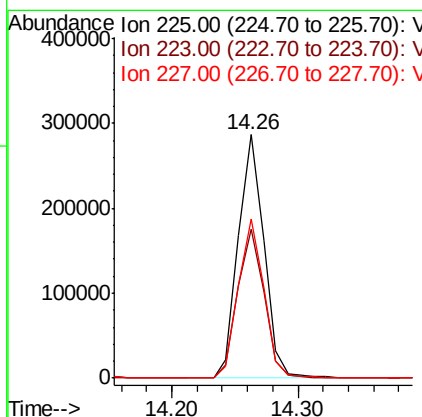
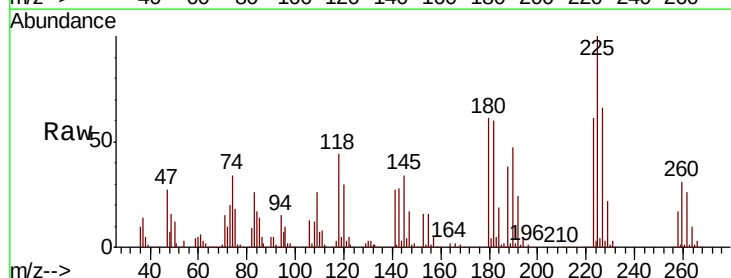
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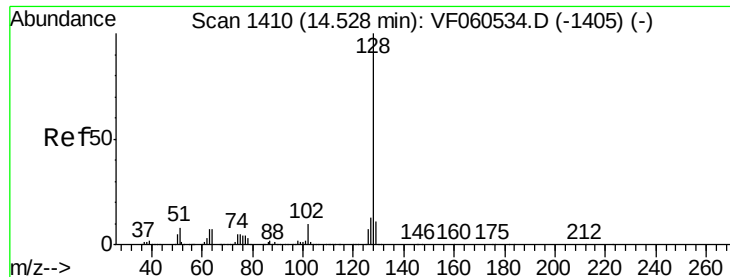
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#94
 Hexachlorobutadiene
 Concen: 78.223 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060536.D
 Acq: 29 Oct 2018 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	404015		
223	61.3	29.5	88.5	
227	65.5	31.3	93.8	





#95

Naphthalene

Concen: 102.046 ug/l

RT: 14.53 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1149905

Ion Ratio Lower Upper

128 100

127 11.9 10.1 15.1

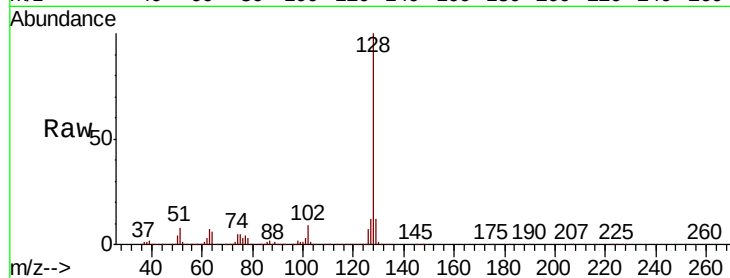
129 12.3 8.7 13.1

Manual Integrations

APPROVED

apatel

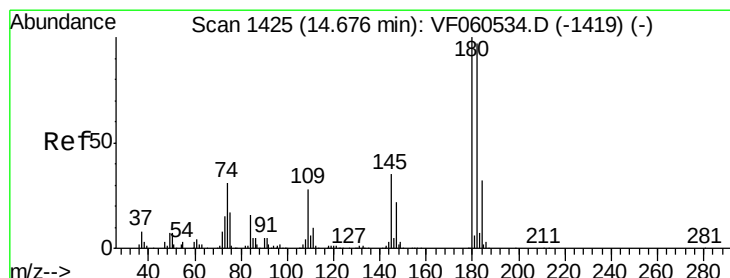
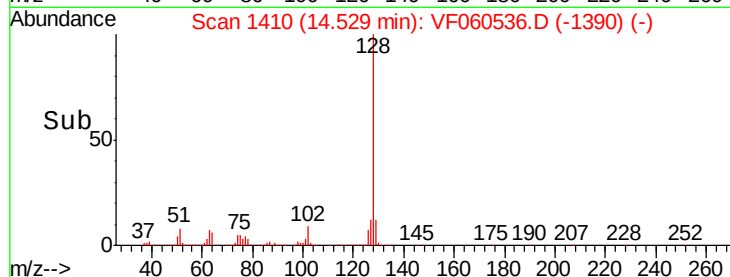
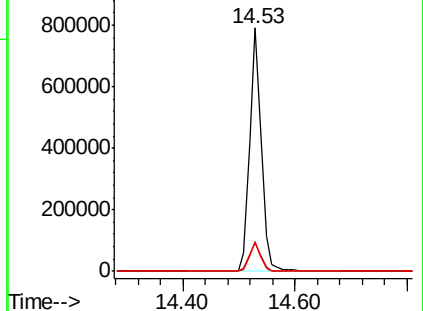
10/30/2018 2:07:30 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 86.276 ug/l

RT: 14.68 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VF060536.D

Acq: 29 Oct 2018 18:50

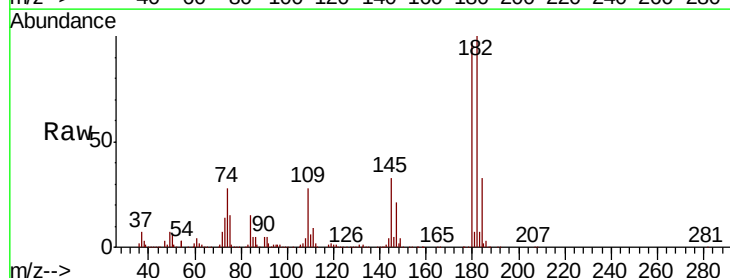
Tgt Ion:180 Resp: 557027

Ion Ratio Lower Upper

180 100

182 102.6 48.7 146.1

145 34.3 17.3 52.0



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

