

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060175.D
 Acq On : 29 Aug 2018 5:05
 Operator : VA/AP
 Sample : VF0829SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Manual Integrations
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 8/29/2018 2:02:21 PM

Quant Time: Aug 29 07:49:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 03:22:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	76246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	83221	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	64304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	31385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	20840	43.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.52%	
35) Dibromofluoromethane	4.28	113	24265	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	
50) Toluene-d8	7.70	98	90448	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.50	95	29693	43.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	29204	18.61	ug/l	96
3) Chloromethane	1.07	50	11714	20.03	ug/l	98
4) Vinyl Chloride	1.12	62	11535	19.68	ug/l	98
5) Bromomethane	1.32	94	5094	17.39	ug/l #	75
6) Chloroethane	1.41	64	7009	20.00	ug/l	98
7) Trichlorofluoromethane	1.49	101	54007	20.13	ug/l	95
8) Diethyl Ether	1.68	74	1961	19.57	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	1.86	101	23189	19.65	ug/l	97
10) Methyl Iodide	1.93	142	9511	16.82	ug/l #	92
11) Tert butyl alcohol	2.61	59	647	96.65	ug/l #	64
12) 1,1-Dichloroethene	1.82	96	15061	20.47	ug/l	94
13) Acrolein	2.08	56	888	88.21	ug/l #	66
14) Allyl chloride	2.19	41	10791	17.66	ug/l	90
15) Acrylonitrile	3.06	53	2234	96.51	ug/l #	84
16) Acetone	2.31	43	5178	76.68	ug/l	100
17) Carbon Disulfide	1.84	76	41736	19.31	ug/l	98
18) Methyl Acetate	2.44	43	2625	25.78	ug/l #	67
19) Methyl tert-butyl Ether	2.51	73	9042	16.68	ug/l #	88
20) Methylene Chloride	2.27	84	6309	14.35	ug/l #	77
21) trans-1,2-Dichloroethene	2.40	96	11158	17.96	ug/l	96
22) Diisopropyl ether	2.90	45	19375	19.27	ug/l #	90
23) Vinyl Acetate	3.30	43	20962	89.32	ug/l	98
24) 1,1-Dichloroethane	2.98	63	19504	18.64	ug/l	96
25) 2-Butanone	4.47	43	4720	84.14	ug/l	99
26) 2,2-Dichloropropane	3.73	77	11114	16.17	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	7537	17.25	ug/l	95
28) Bromochloromethane	3.87	49	4042	17.94	ug/l #	74
29) Tetrahydrofuran	4.22	42	2779	104.64	ug/l	94
30) Chloroform	4.02	83	21073	17.95	ug/l	96
31) Cyclohexane	3.86	56	21404	21.34	ug/l	99
32) 1,1,1-Trichloroethane	4.26	97	29569	17.62	ug/l	89
36) 1,1-Dichloropropene	4.45	75	23178	20.18	ug/l	93
37) Ethyl Acetate	4.25	43	3284	23.69	ug/l #	29
38) Carbon Tetrachloride	4.16	117	31118	19.68	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	25557	22.98	ug/l	91
40) Benzene	4.80	78	30196	19.31	ug/l	97
41) Methacrylonitrile	4.88	41	1233	15.36	ug/l #	89
42) 1,2-Dichloroethane	5.10	62	10308	18.31	ug/l	94
43) Isopropyl Acetate	7.10	43	2912	16.32	ug/l #	77
44) Trichloroethene	5.67	130	13348	19.90	ug/l	78
45) 1,2-Dichloropropane	6.40	63	5470	16.53	ug/l	96
46) Dibromomethane	6.24	93	2332	13.76	ug/l #	37
47) Bromodichloromethane	6.53	83	11683	17.93	ug/l #	95
48) Methyl methacrylate	6.86	41	2640	19.01	ug/l #	73
49) 1,4-Dioxane	6.86	88	302	382.56	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	14654	94.02	ug/l #	83
52) Toluene	7.78	92	23725	19.64	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	5900	16.50	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	7889	18.05	ug/l #	86
55) 1,1,2-Trichloroethane	8.63	97	3440	16.63	ug/l #	81
56) Ethyl methacrylate	8.75	69	3100	18.48	ug/l	86
57) 1,3-Dichloropropane	8.99	76	6311	17.61	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	5420	108.64	ug/l	100
59) 2-Hexanone	9.62	43	8781	80.27	ug/l	96
60) Dibromochloromethane	8.86	129	6319	18.43	ug/l	68
61) 1,2-Dibromoethane	9.13	107	3306	15.60	ug/l	97
64) Tetrachloroethene	8.30	164	19102	24.13	ug/l	96
65) Chlorobenzene	9.93	112	24687	19.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	8072	18.64	ug/l	96
67) Ethyl Benzene	10.03	91	61655	20.99	ug/l	97
68) m/p-Xylenes	10.26	106	42828	42.54	ug/l	94
69) o-Xylene	10.82	106	17469	20.28	ug/l	73
70) Styrene	10.90	104	22451	21.09	ug/l	97
71) Bromoform	10.88	173	2823	18.14	ug/l	100
73) Isopropylbenzene	11.23	105	75552	21.98	ug/l	97
74) N-amyl acetate	11.46	43	4129	16.05	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.78	83	4142	17.97	ug/l #	75
76) 1,2,3-Trichloropropane	11.88	75	3903	19.74	ug/l	87
77) Bromobenzene	11.59	156	9984	19.95	ug/l	90
78) n-propylbenzene	11.68	91	91513	22.12	ug/l	100
79) 2-Chlorotoluene	11.81	91	40940	21.29	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	51623	19.82	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	640m	14.74	ug/l	
82) 4-Chlorotoluene	11.98	91	38528	20.43	ug/l	99
83) tert-Butylbenzene	12.21	119	62669	22.96	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	45507	20.53	ug/l	98
85) sec-Butylbenzene	12.38	105	93225	22.82	ug/l	96
86) p-Isopropyltoluene	12.54	119	70372	23.21	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	22148	20.70	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	19604	20.32	ug/l	94
89) n-Butylbenzene	12.92	91	56188	21.33	ug/l	90
90) Hexachloroethane	12.99	117	14447	22.21	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	16796	20.31	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	13.71	75	879	22.26	ug/l	92

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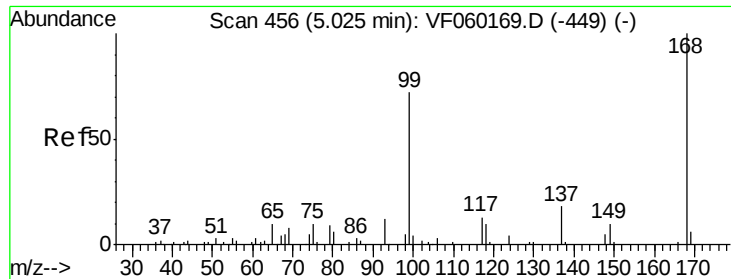
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	6832	19.20	ug/l	91
94) Hexachlorobutadiene	14.25	225	14602	19.95	ug/l	90
95) Naphthalene	14.52	128	4782	19.42	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.67	180	4924	18.07	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion:168 Resp: 76246

Ion Ratio Lower Upper

168 100

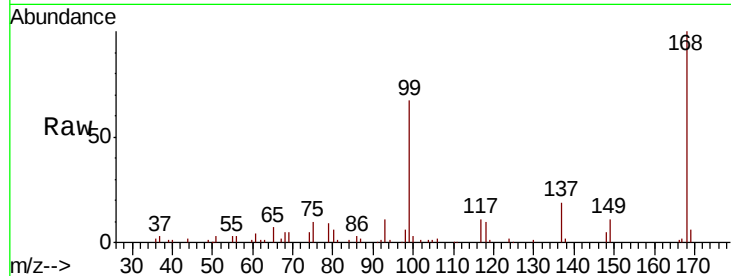
99 67.0 57.9 86.9

Manual Integrations

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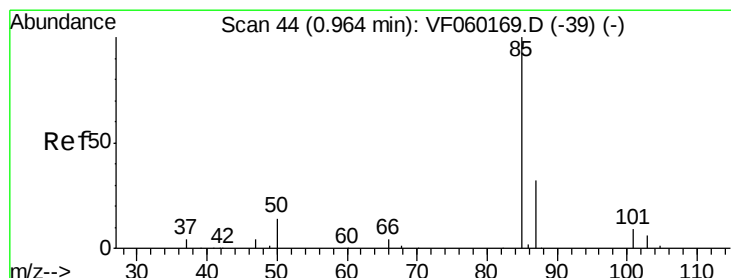
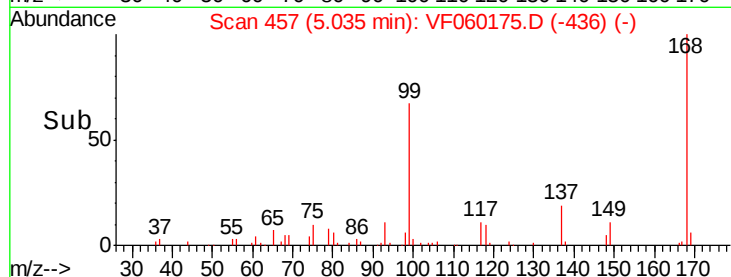


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

Time-->



#2

Dichlorodifluoromethane

Concen: 18.61 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.00 min

Lab File: VF060175.D

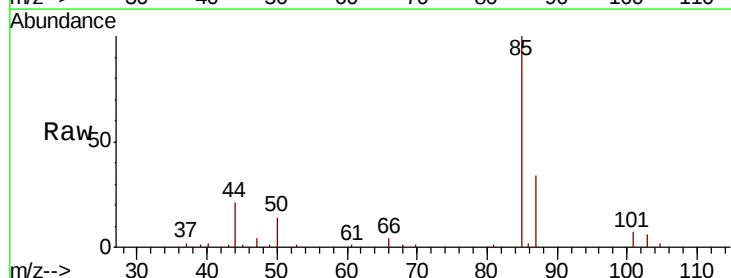
Acq: 29 Aug 2018 5:05

Tgt Ion: 85 Resp: 29204

Ion Ratio Lower Upper

85 100

87 33.8 15.9 47.7

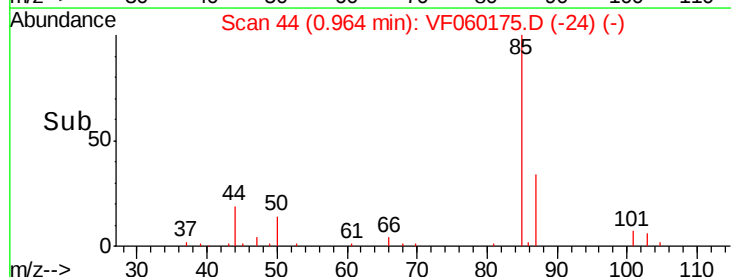


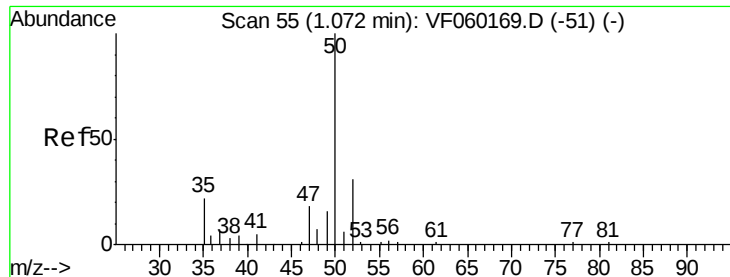
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

Time-->





#3

Chloromethane

Concen: 20.03 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tot Ion: 50 Resp: 11714

Ion Ratio Lower Upper

50 100

52 31.6 24.4 36.6

Instrument :

MSVOA_F

ClientSampleId :

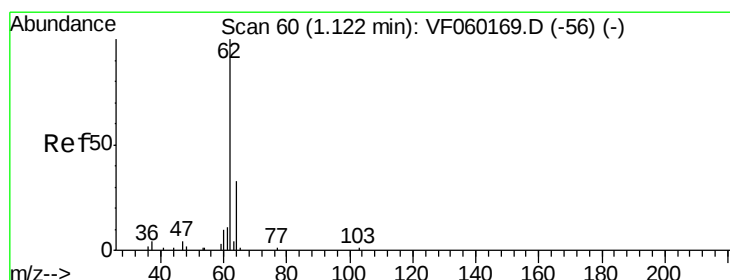
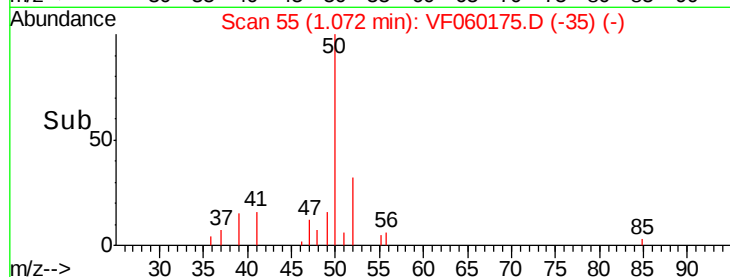
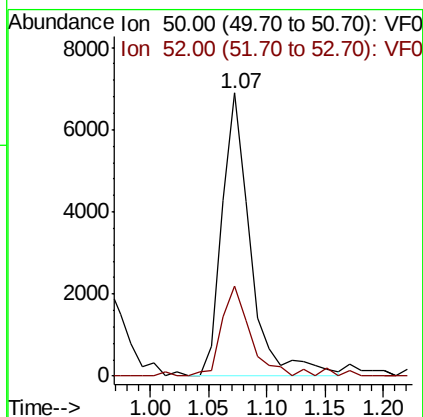
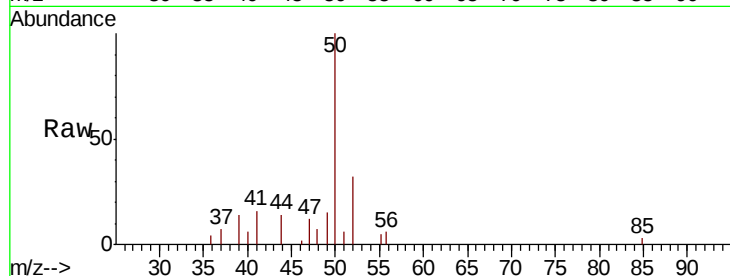
VF0829SBS01

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#4

Vinyl Chloride

Concen: 19.68 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060175.D

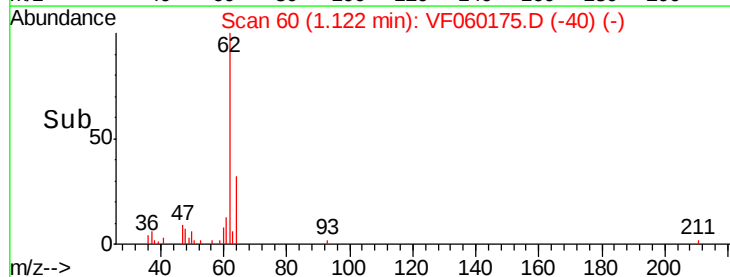
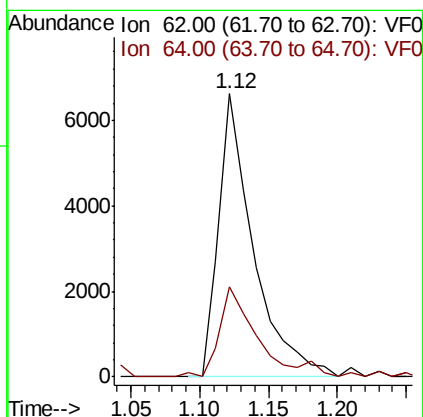
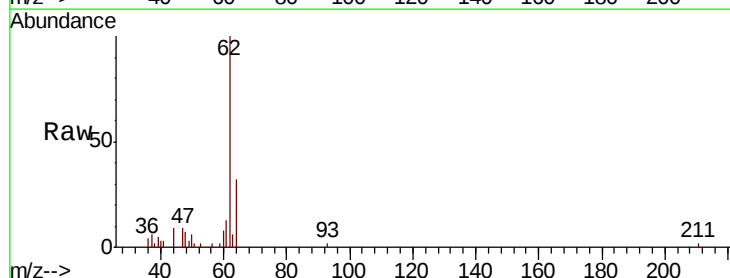
Acq: 29 Aug 2018 5:05

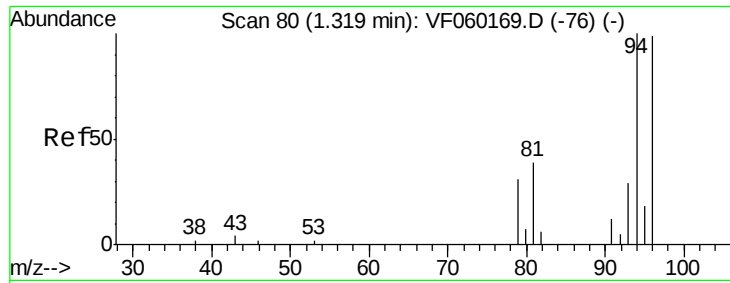
Tgt Ion: 62 Resp: 11535

Ion Ratio Lower Upper

62 100

64 31.9 26.6 39.8





#5

Bromomethane

Concen: 17.39 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 94 Resp: 5094

Ion Ratio Lower Upper

94 100

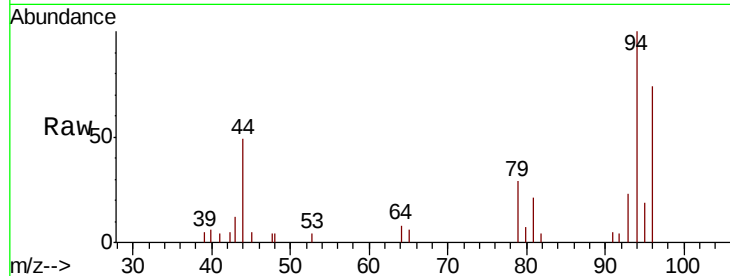
96 73.9 79.0 118.4#

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

3000

2500

2000

1500

1000

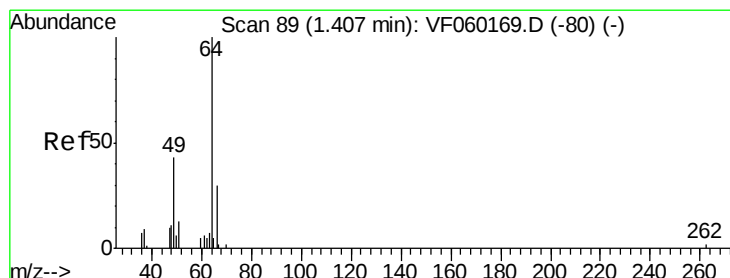
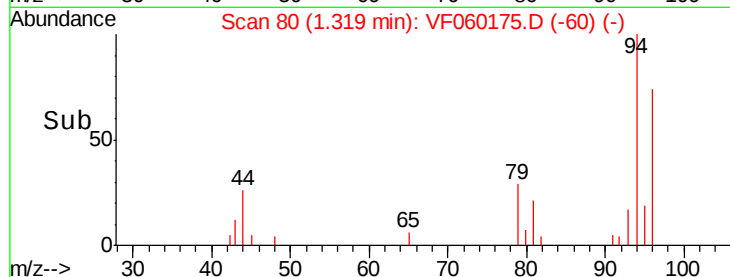
500

0

Time-->

1.20 1.30 1.40

1.32



#6

Chloroethane

Concen: 20.00 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF060175.D

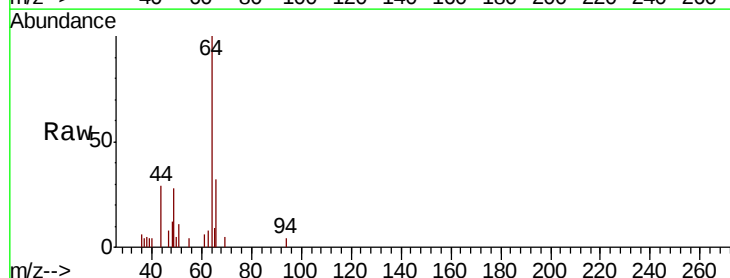
Acq: 29 Aug 2018 5:05

Tgt Ion: 64 Resp: 7009

Ion Ratio Lower Upper

64 100

66 31.6 24.2 36.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

4000

3000

2000

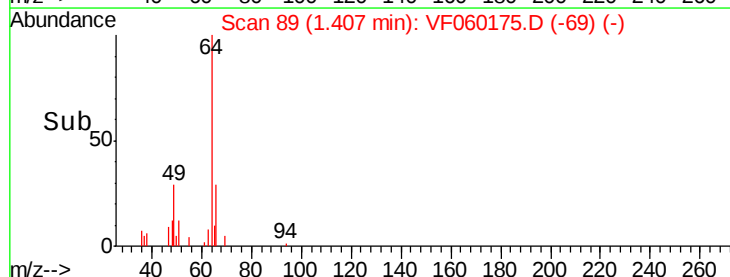
1000

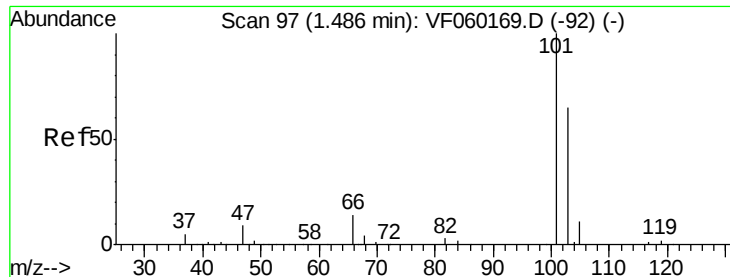
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Time-->

1.30 1.40 1.50

1.41





#7

Trichlorofluoromethane

Concen: 20.13 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

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VF0829SBS01

Tot Ion:101 Resp: 54007

Ion Ratio Lower Upper

101 100

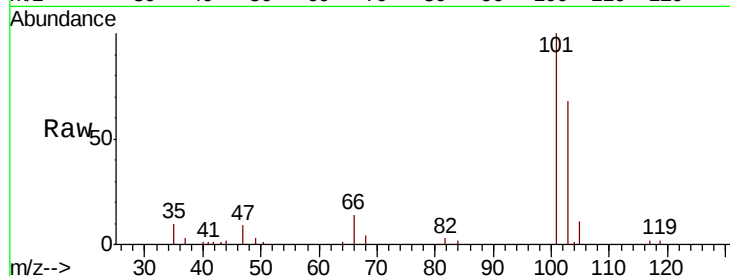
103 68.5 51.8 77.6

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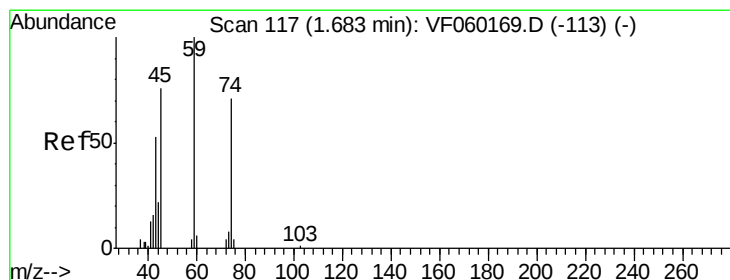
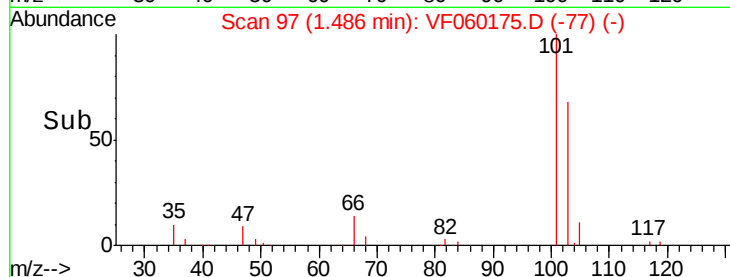
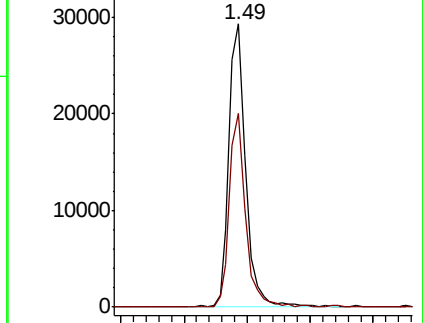
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.57 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VF060175.D

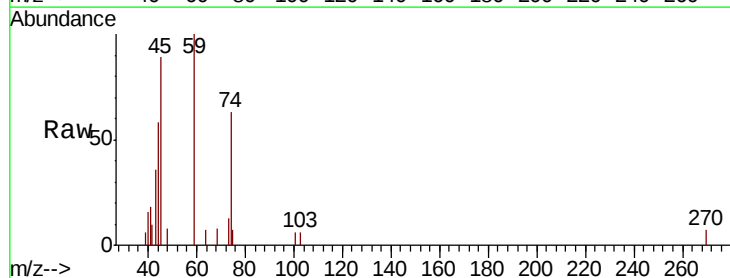
Acq: 29 Aug 2018 5:05

Tgt Ion: 74 Resp: 1961

Ion Ratio Lower Upper

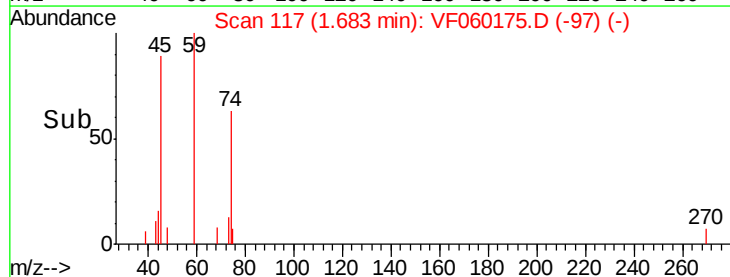
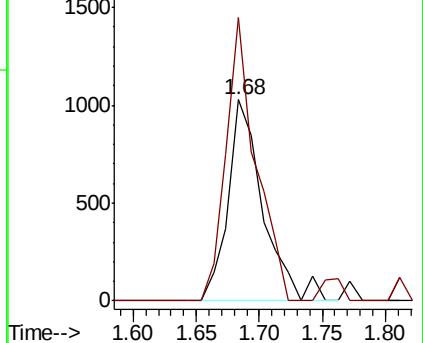
74 100

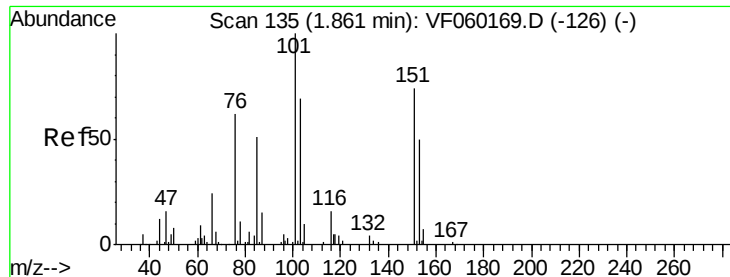
45 140.6 53.5 160.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.65 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

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MSVOA_F

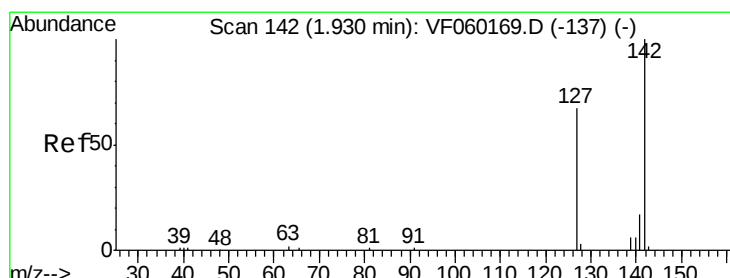
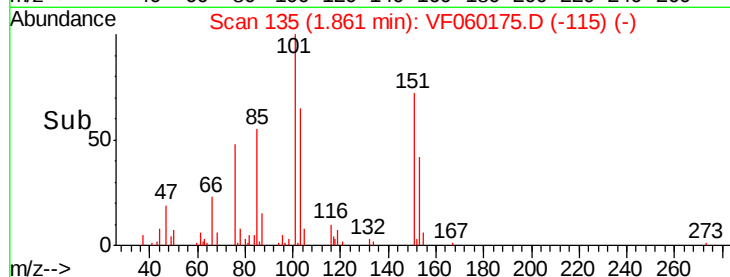
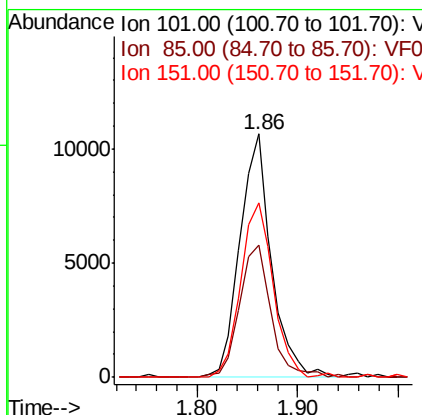
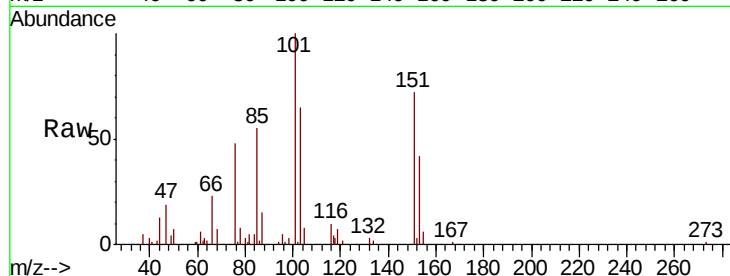
ClientSampleId :

VF0829SBS01

Tot Ion:	101	Resp:	23189
Ion Ratio	Lower	Upper	
101	100		
85	54.5	42.2	63.2
151	71.9	59.2	88.8

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#10

Methyl Iodide

Concen: 16.82 ug/l

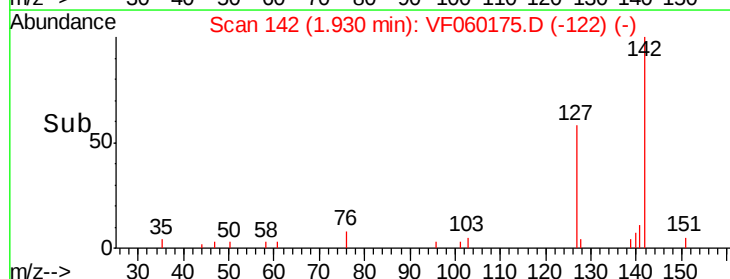
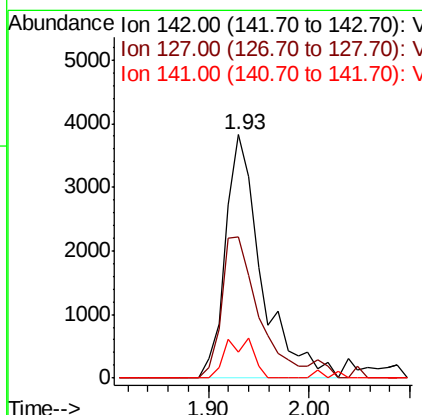
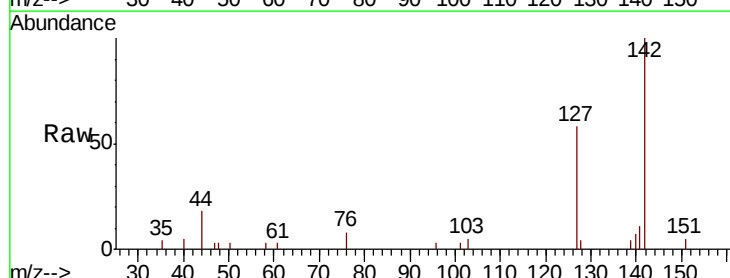
RT: 1.93 min Scan# 142

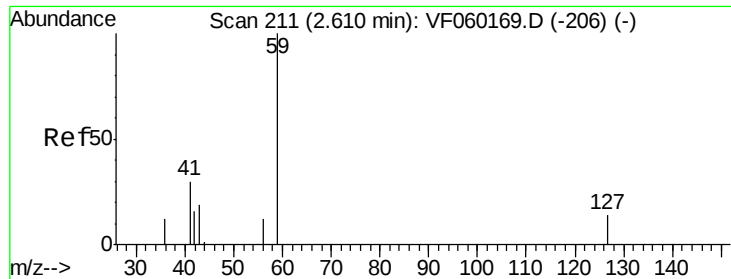
Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tgt Ion:	142	Resp:	9511
Ion Ratio	Lower	Upper	
142	100		
127	62.0	53.9	80.9
141	10.8	13.4	20.2#





#11

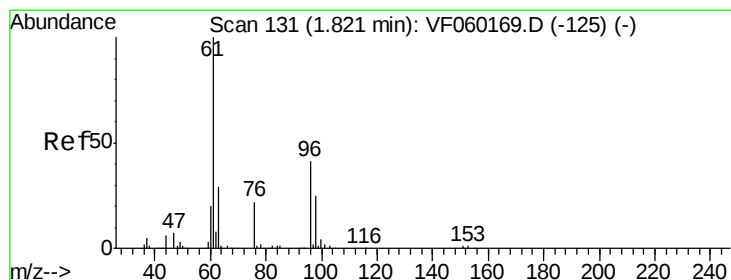
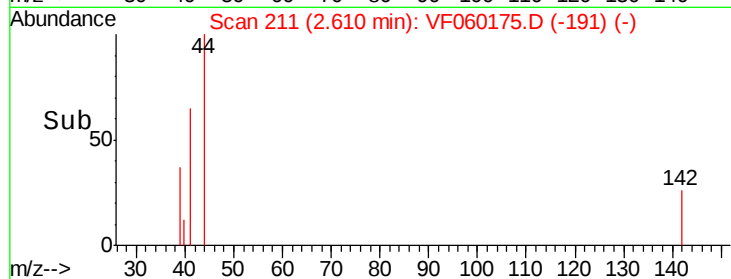
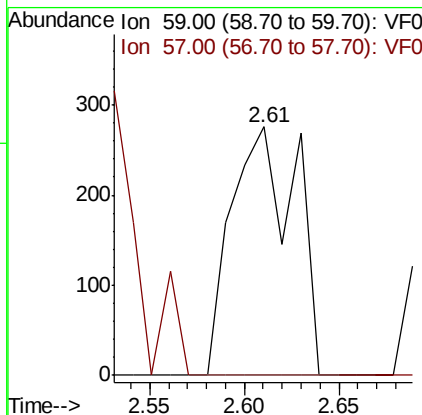
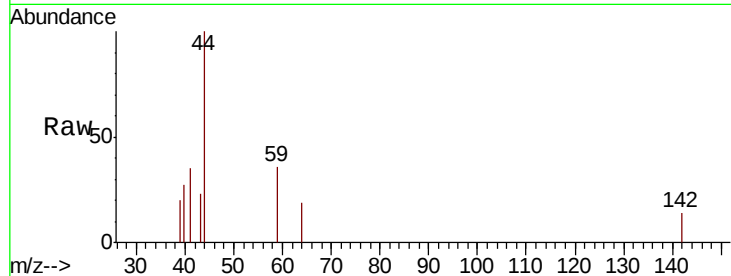
Tert butyl alcohol
Concen: 96.65 ug/l
RT: 2.61 min Scan# 211
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.9	17.9#

Manual Integrations
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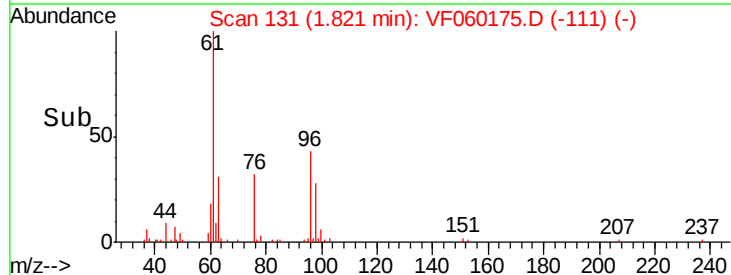
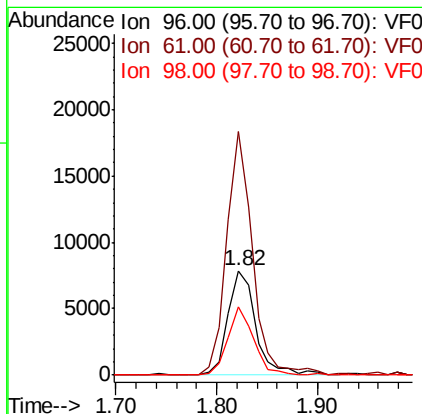
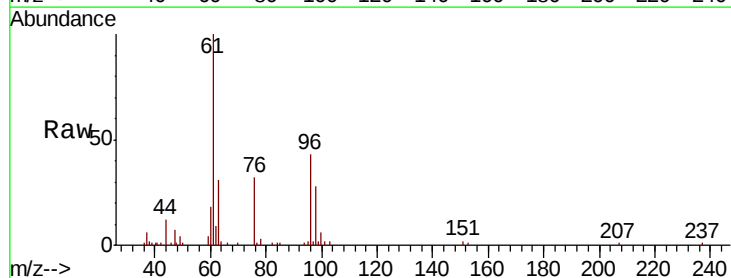
apatel
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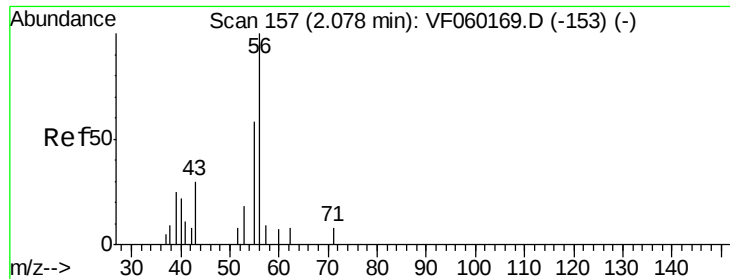


#12

1,1-Dichloroethene
Concen: 20.47 ug/l
RT: 1.82 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	233.1	195.2	292.8
98	65.0	49.0	73.6





#13

Acrolein

Concen: 88.21 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 56 Resp: 888

Ion Ratio Lower Upper

56 100

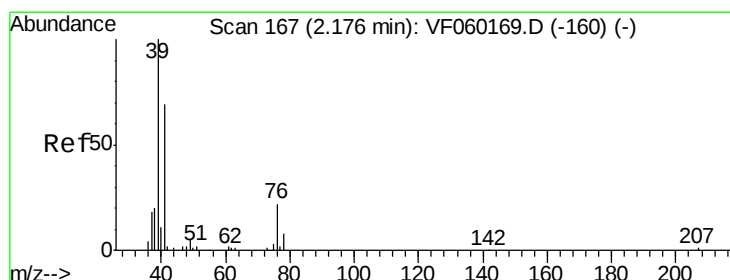
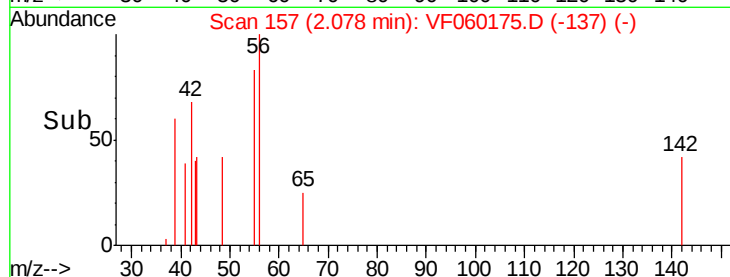
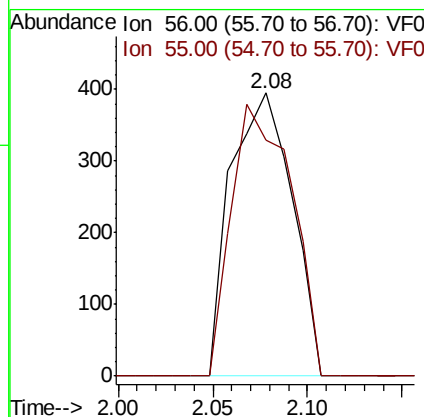
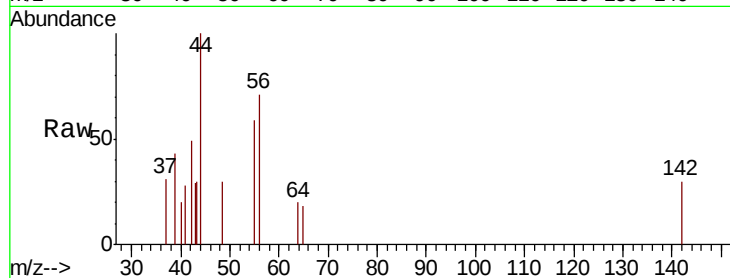
55 83.3 46.4 69.6#

Manual Integrations

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#14

Allyl chloride

Concen: 17.66 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

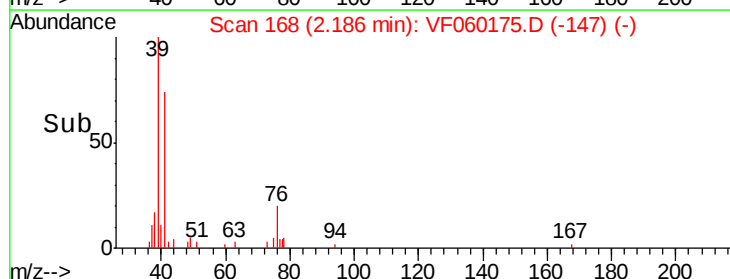
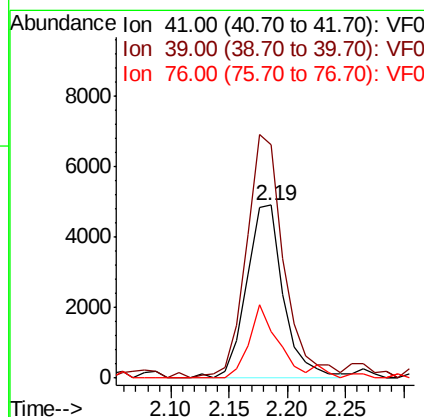
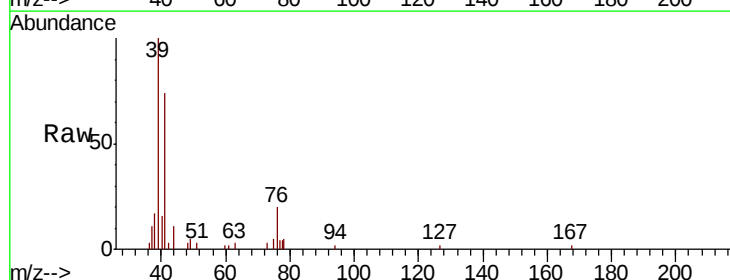
Tgt Ion: 41 Resp: 10791

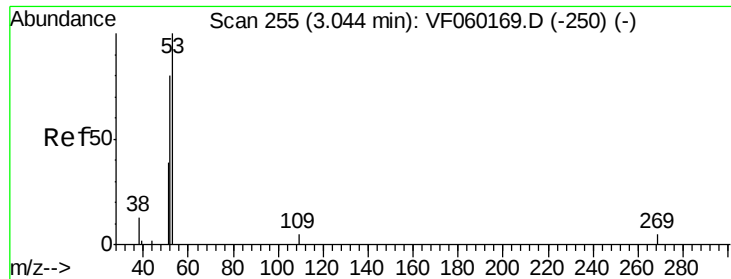
Ion Ratio Lower Upper

41 100

39 135.0 117.8 176.6

76 26.9 25.9 38.9





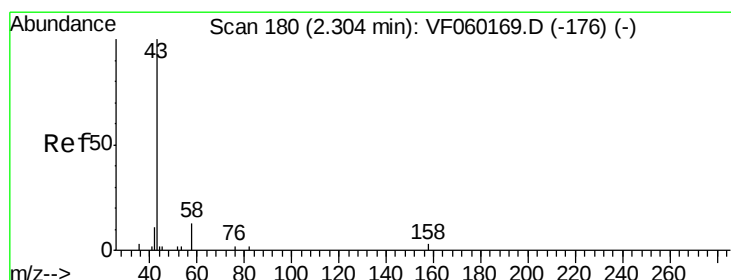
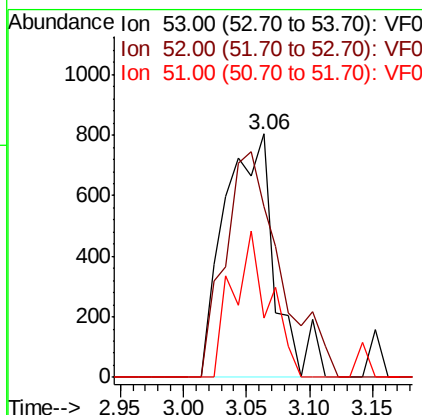
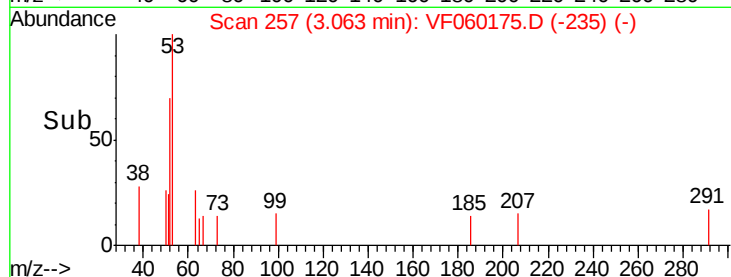
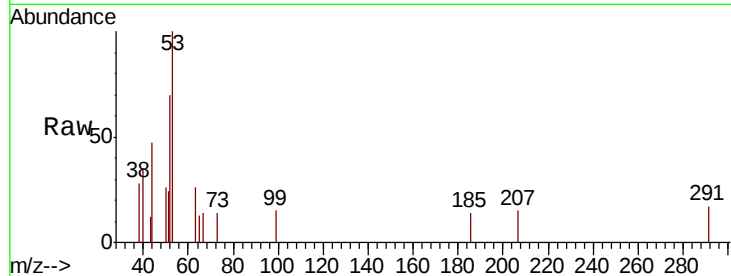
#15
 Acrylonitrile
 Concen: 96.51 ug/l
 RT: 3.06 min Scan# 257
 Delta R.T. 0.02 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0829SBS01

Tot Ion:	53	Resp:	2234
Ion	Ratio	Lower	Upper
53	100		
52	70.0	64.4	96.6
51	24.4	31.0	46.4#

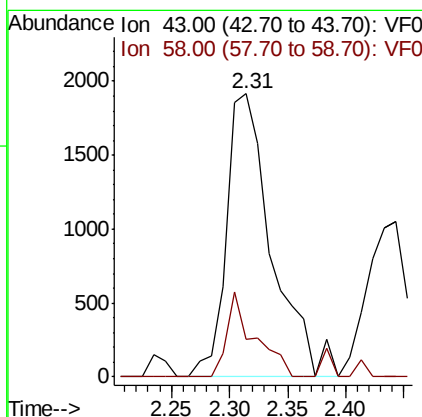
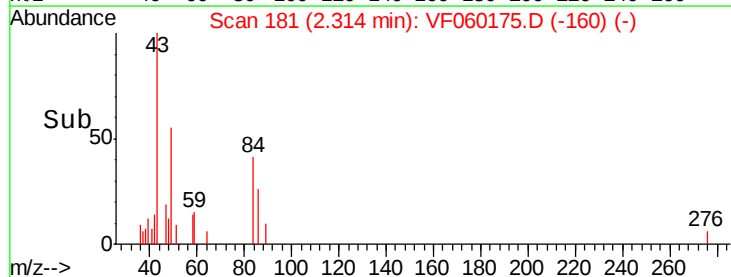
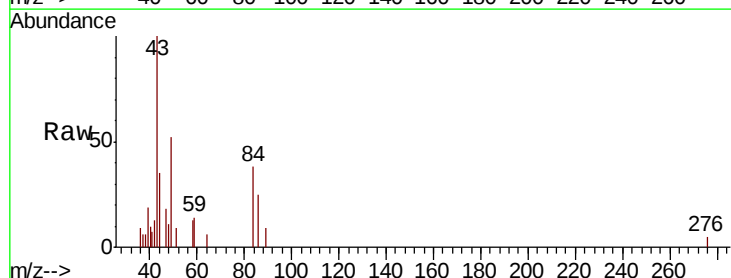
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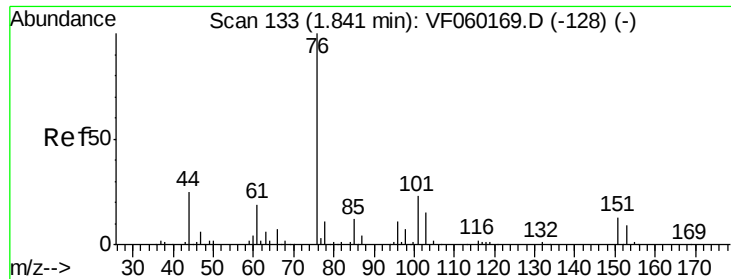
apatel
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#16
 Acetone
 Concen: 76.68 ug/l
 RT: 2.31 min Scan# 181
 Delta R.T. 0.01 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Tgt Ion:	43	Resp:	5178
Ion	Ratio	Lower	Upper
43	100		
58	13.3	10.7	16.1





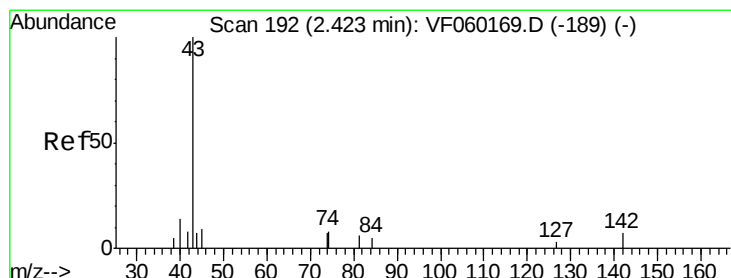
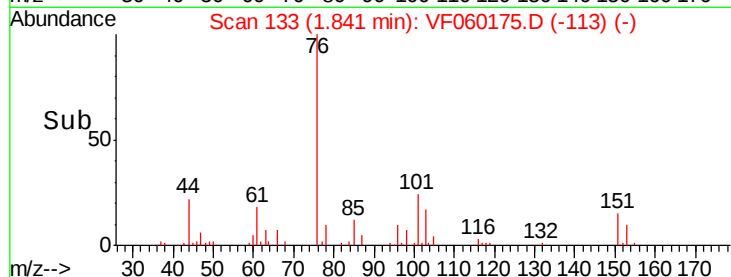
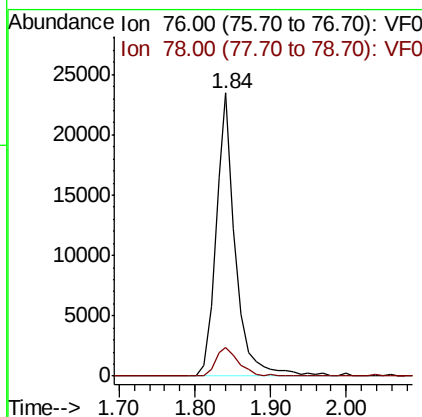
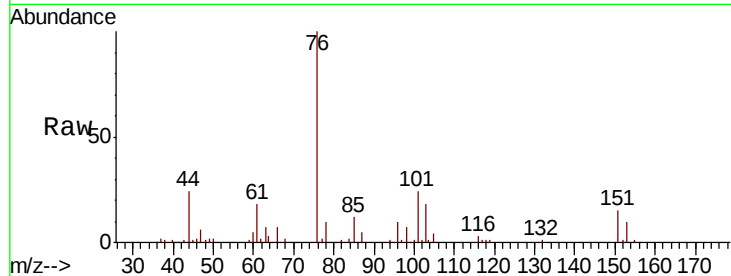
#17
Carbon Disulfide
Concen: 19.31 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	8.6	12.8

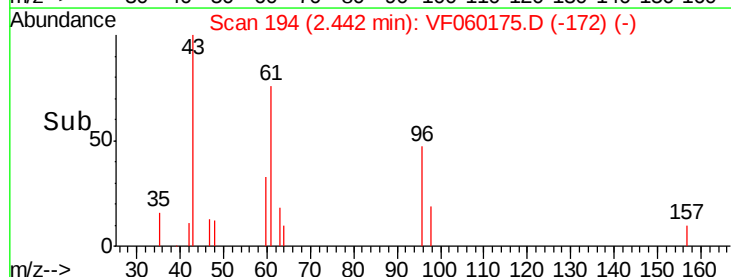
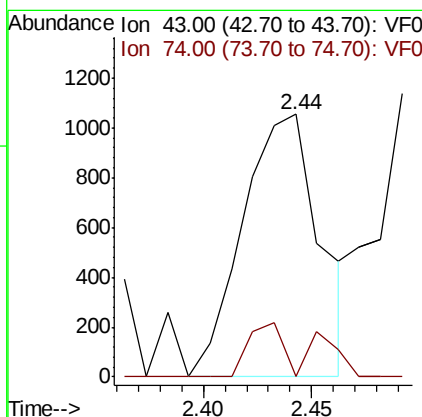
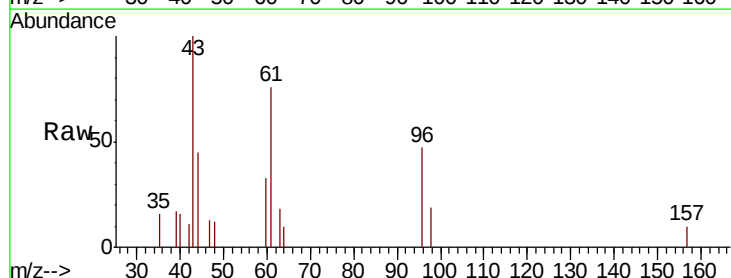
Manual Integrations
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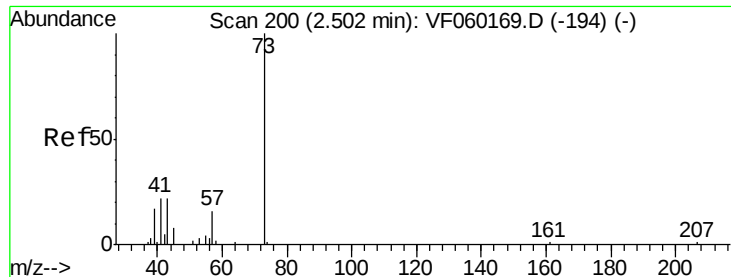
apatel
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#18
Methyl Acetate
Concen: 25.78 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.02 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	0.0	10.6	16.0#





#19

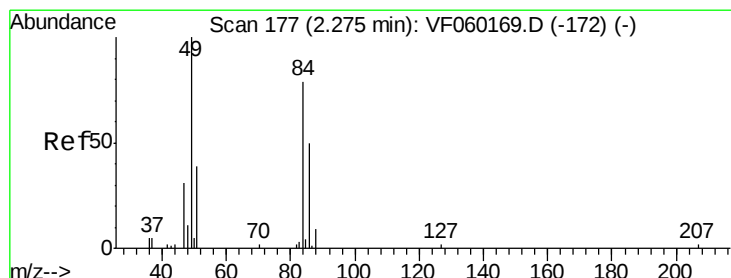
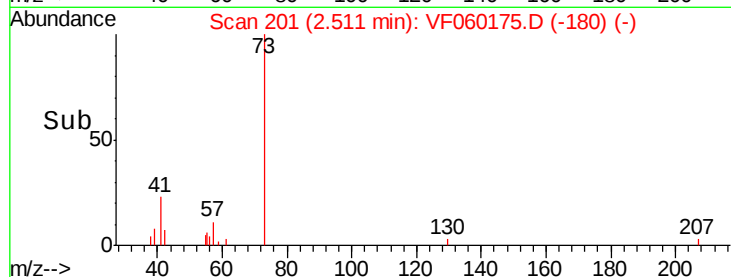
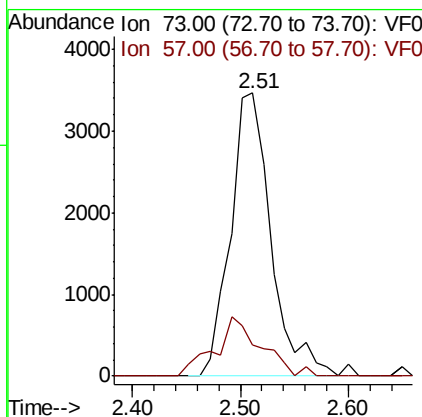
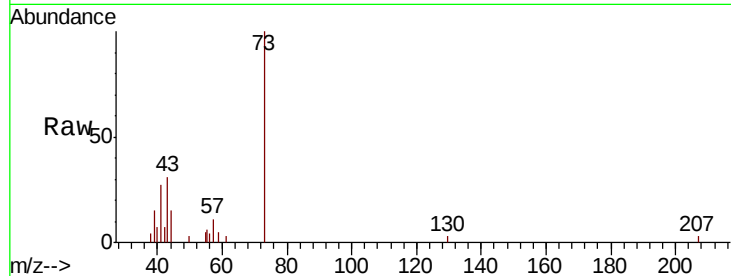
Methyl tert-butyl Ether
 Concen: 16.68 ug/l
 RT: 2.51 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	73	Resp	9042
Ion Ratio	100	Lower	Upper
73	100		
57	11.3	13.0	19.4#

Manual Integrations
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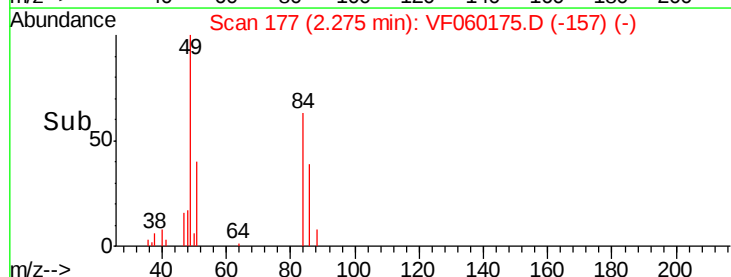
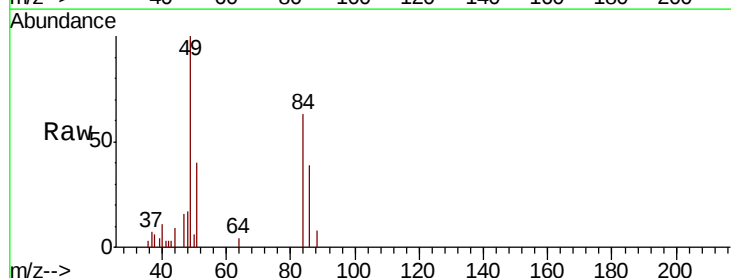
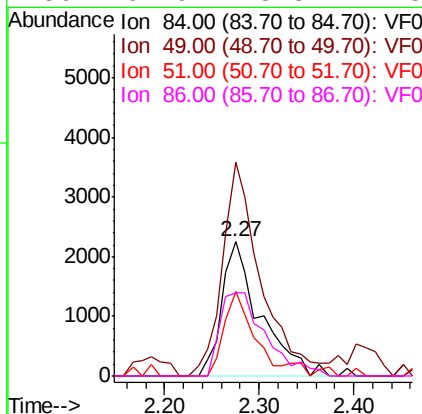
apatel
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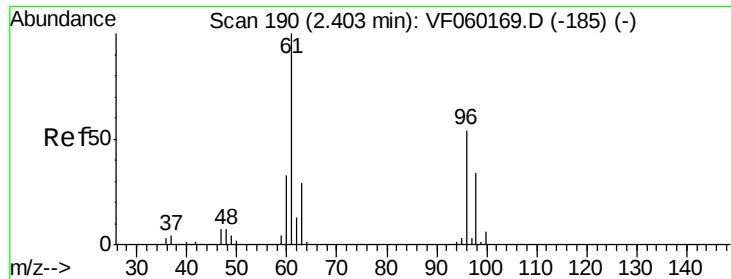


#20

Methylene Chloride
 Concen: 14.35 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Tgt Ion	84	Resp	6309
Ion Ratio	100	Lower	Upper
84	100		
49	159.0	97.0	145.4#
51	62.8	38.2	57.2#
86	61.9	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 17.96 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

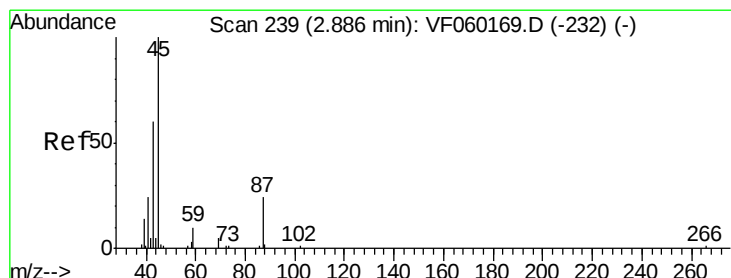
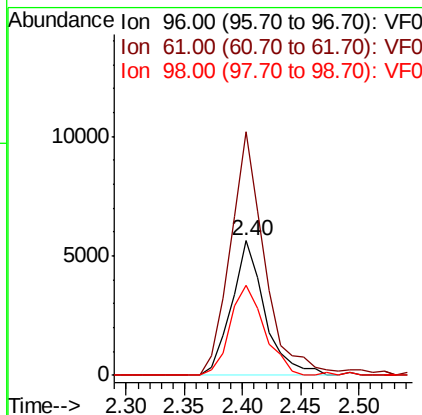
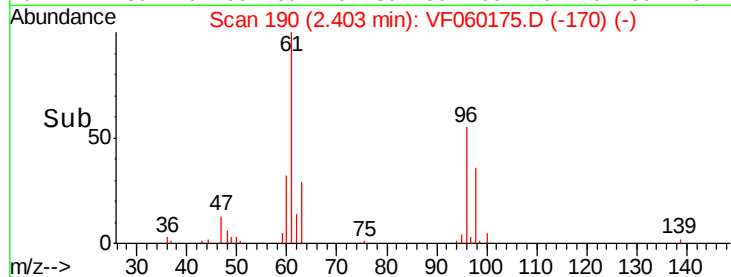
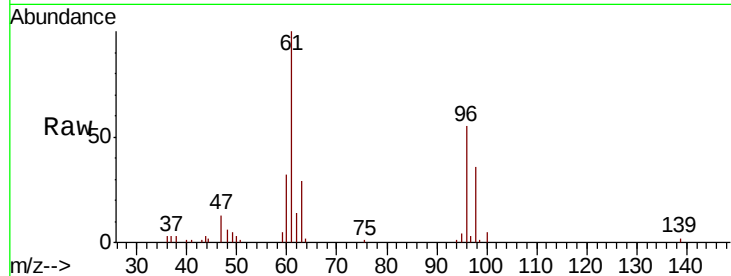
ClientSampleId :

VF0829SBS01

Tot Ion:	96	Resp:	11158
Ion	Ratio	Lower	Upper
96	100		
61	181.2	148.6	222.8
98	67.3	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.27 ug/l

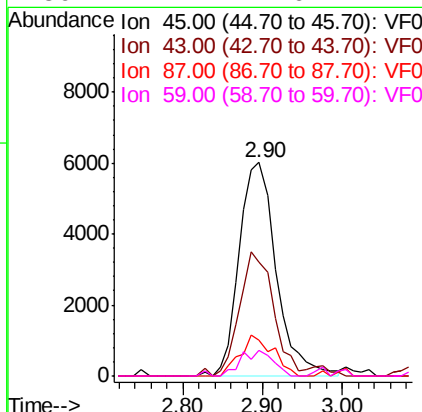
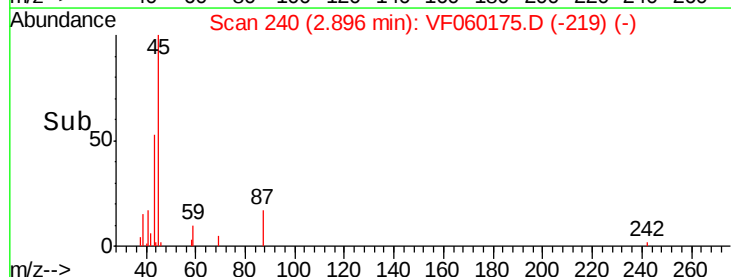
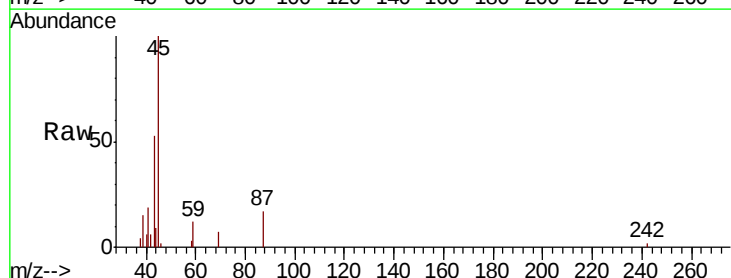
RT: 2.90 min Scan# 240

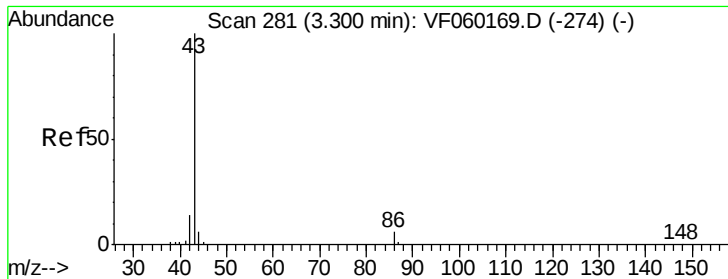
Delta R.T. 0.01 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tgt Ion:	45	Resp:	19375
Ion	Ratio	Lower	Upper
45	100		
43	53.2	48.0	72.0
87	16.9	18.9	28.3#
59	12.2	7.6	11.4#





#23

Vinyl Acetate

Concen: 89.32 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 43 Resp: 20962

Ion Ratio Lower Upper

43 100

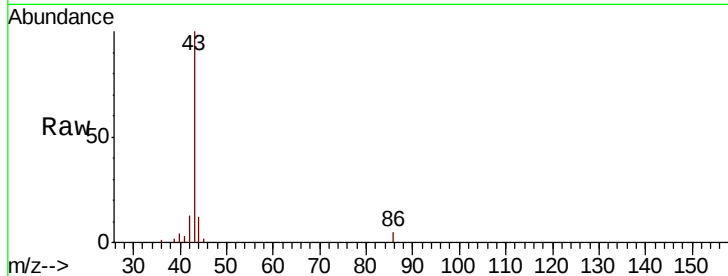
86 5.4 4.9 7.3

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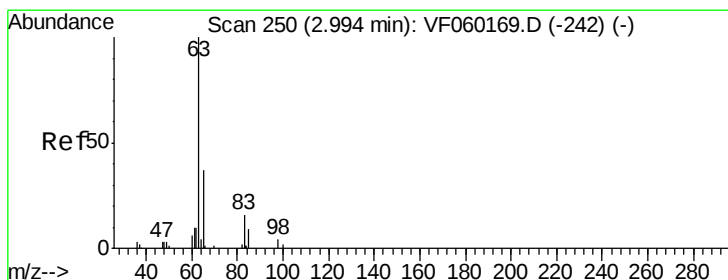
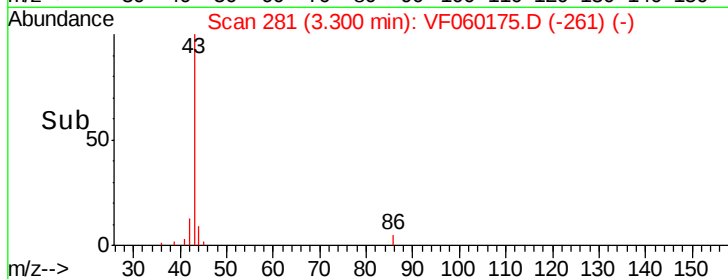
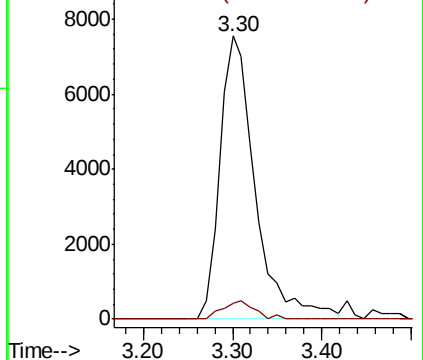
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 18.64 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

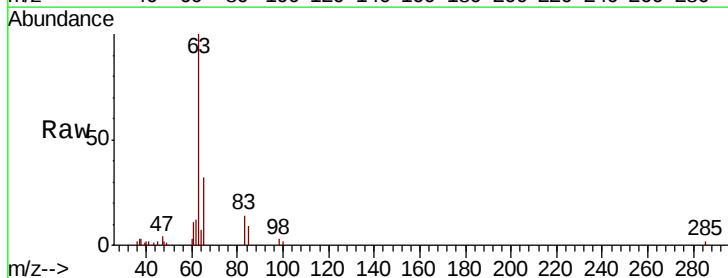
Tgt Ion: 63 Resp: 19504

Ion Ratio Lower Upper

63 100

98 2.7 2.1 6.3

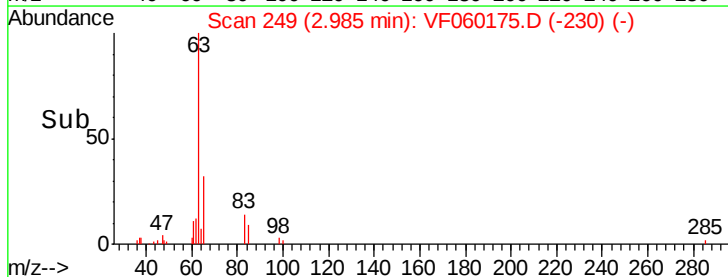
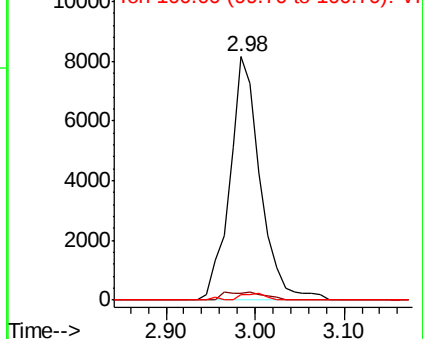
100 2.4 0.9 2.7

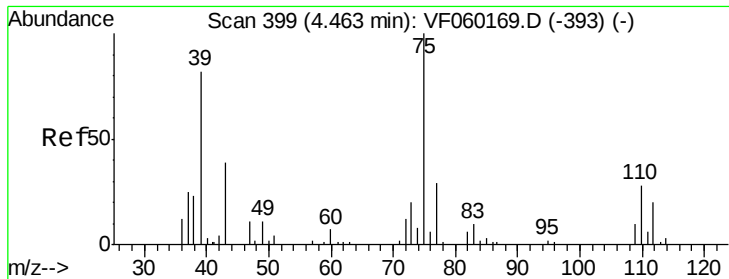


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 84.14 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.01 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tot Ion: 43 Resp: 4720

Ion Ratio Lower Upper

43 100

72 30.7 24.2 36.2

Instrument :

MSVOA_F

ClientSampleId :

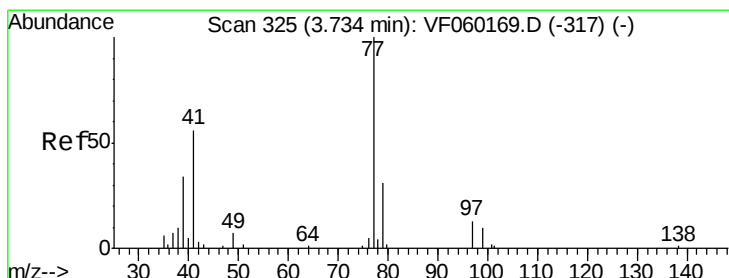
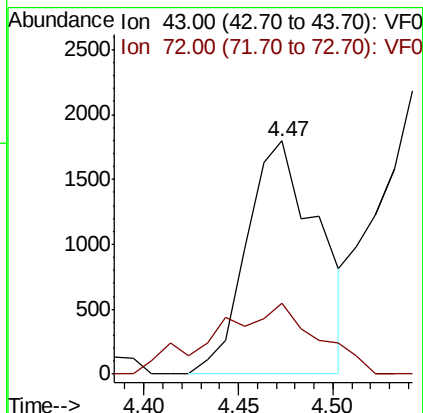
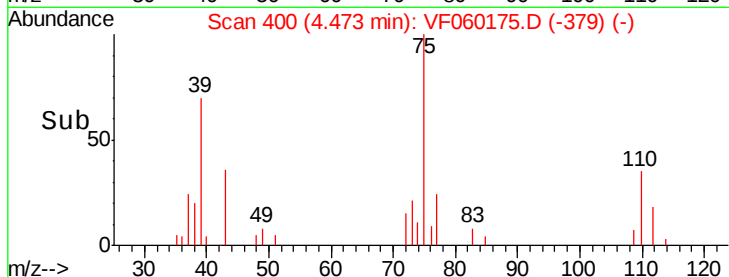
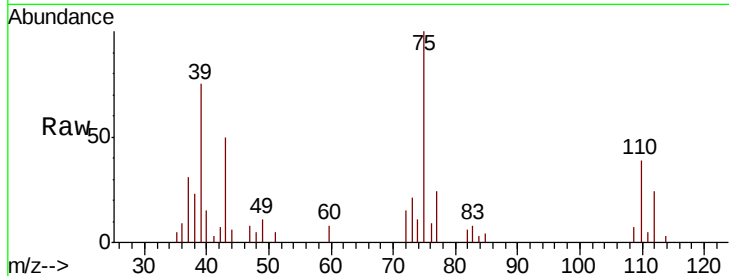
VF0829SBS01

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#26

2,2-Dichloropropane

Concen: 16.17 ug/l

RT: 3.73 min Scan# 325

Delta R.T. 0.00 min

Lab File: VF060175.D

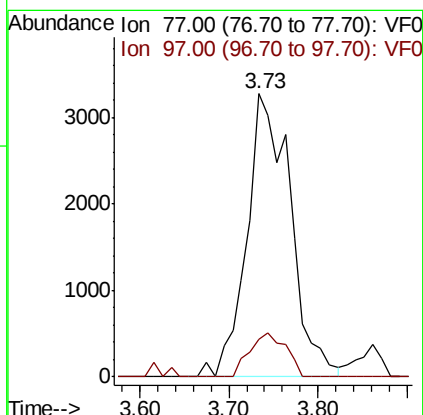
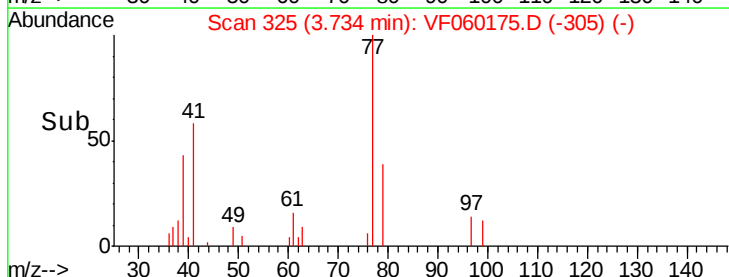
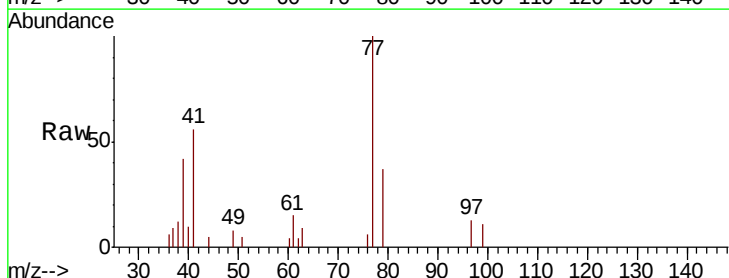
Acq: 29 Aug 2018 5:05

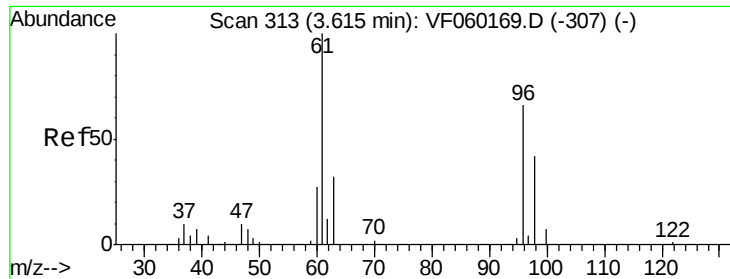
Tgt Ion: 77 Resp: 11114

Ion Ratio Lower Upper

77 100

97 13.4 7.0 21.0





#27

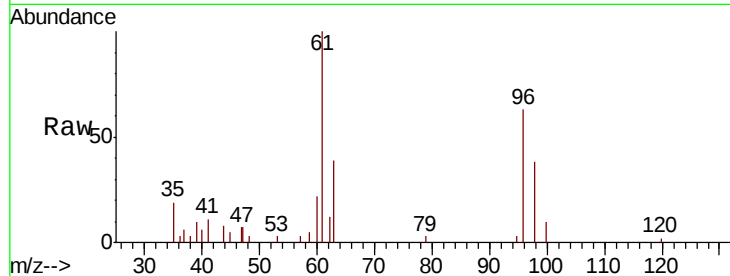
cis-1,2-Dichloroethene
Concen: 17.25 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	303.0
98	60.2	0.0	126.8

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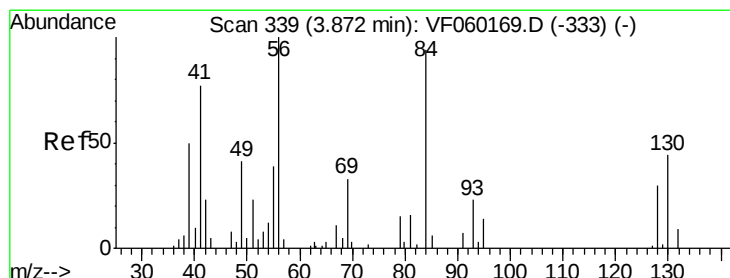
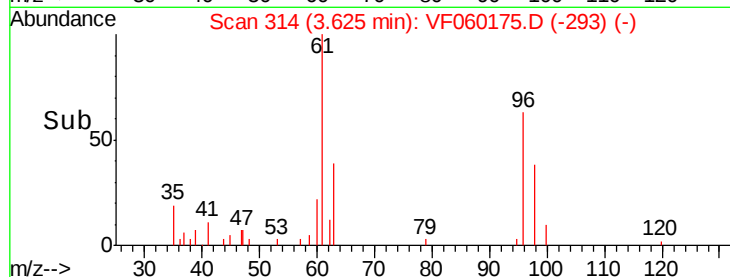
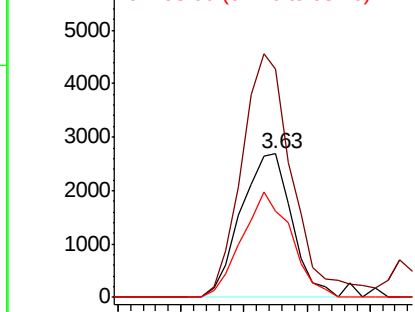


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

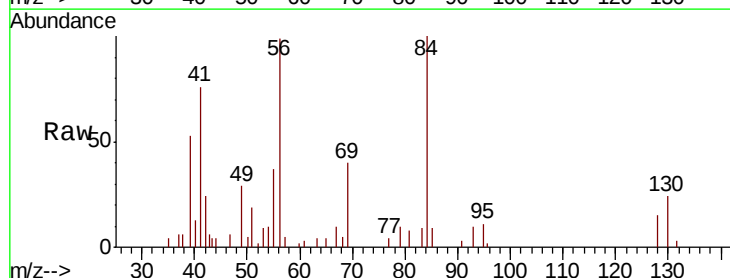
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
Concen: 17.94 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	8.6
130	80.1	86.0	129.0#

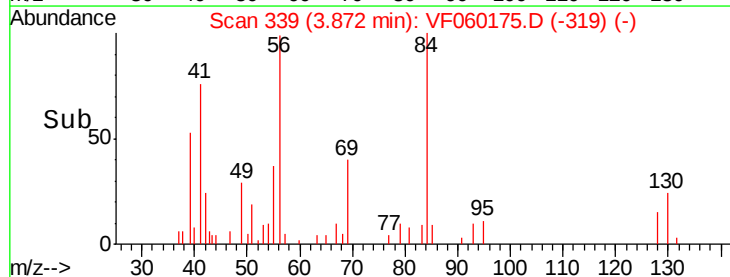
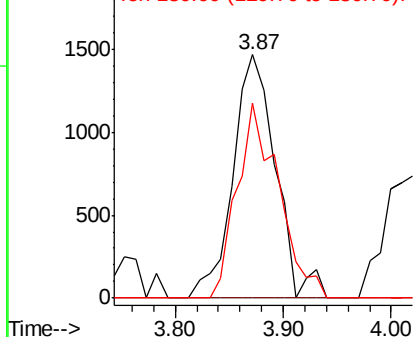


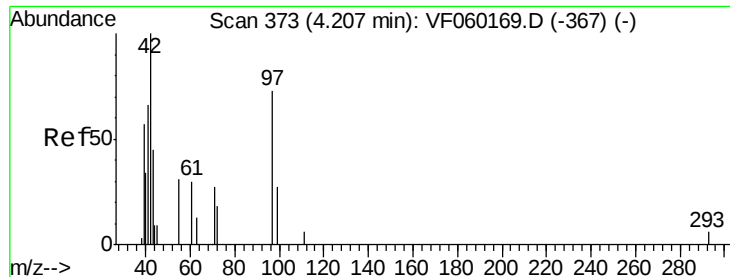
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





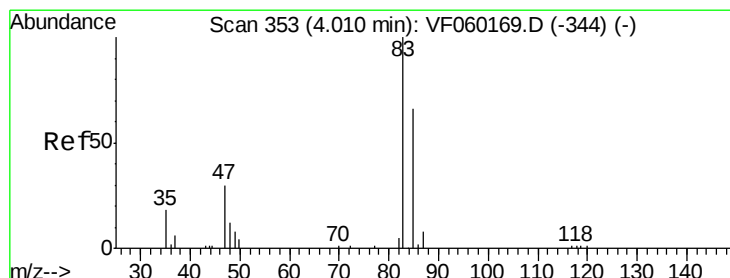
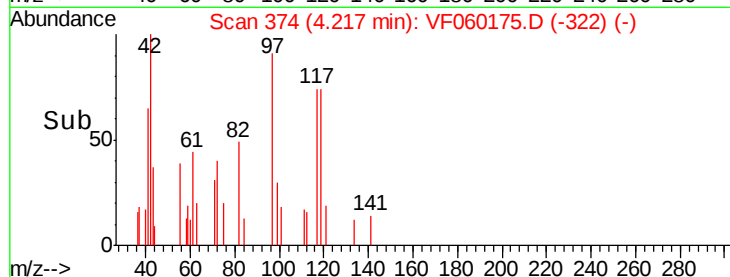
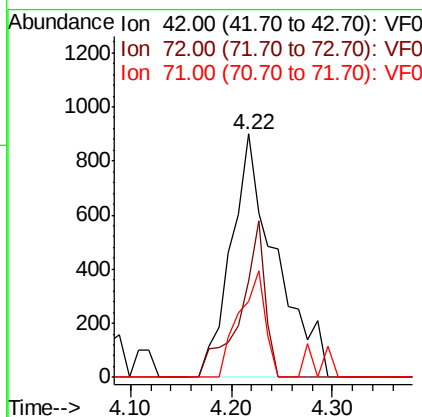
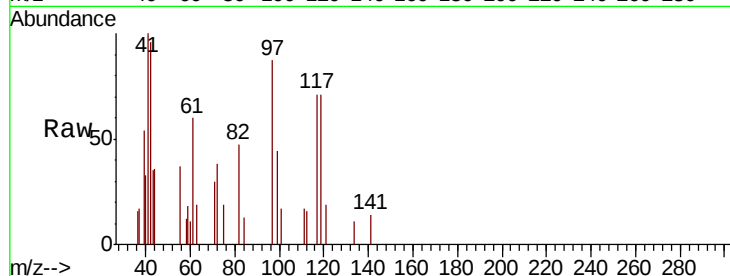
#29
Tetrahydrofuran
Concen: 104.64 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.01 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion:	42	Resp:	2779
Ion	Ratio	Lower	Upper
42	100		
72	35.5	27.0	40.4
71	25.9	24.6	36.8

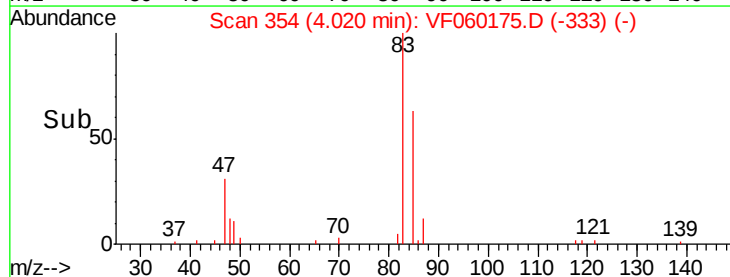
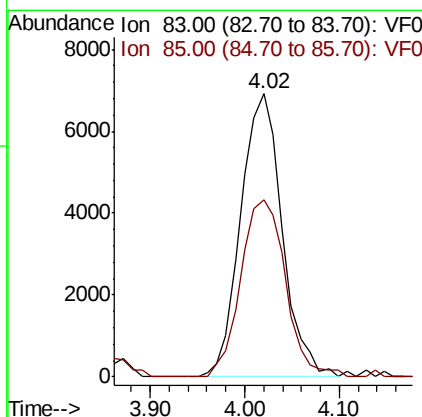
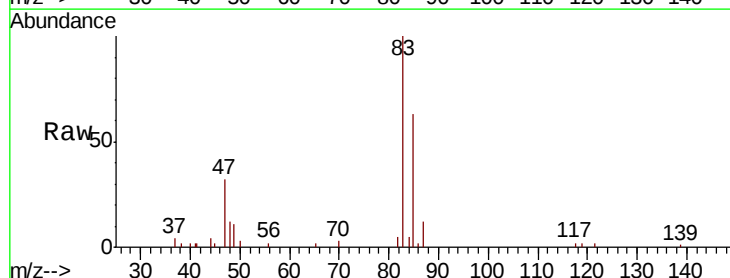
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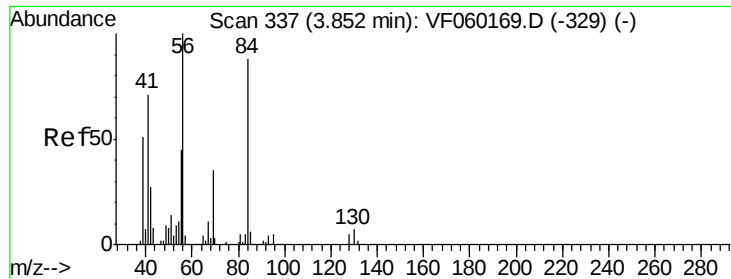
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#30
Chloroform
Concen: 17.95 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion:	83	Resp:	21073
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.8	79.2





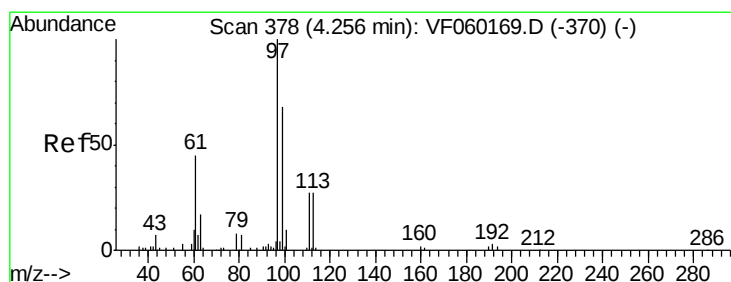
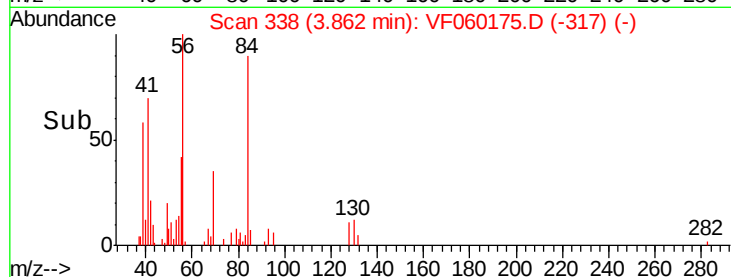
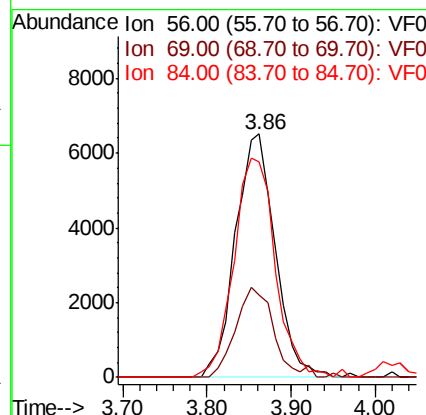
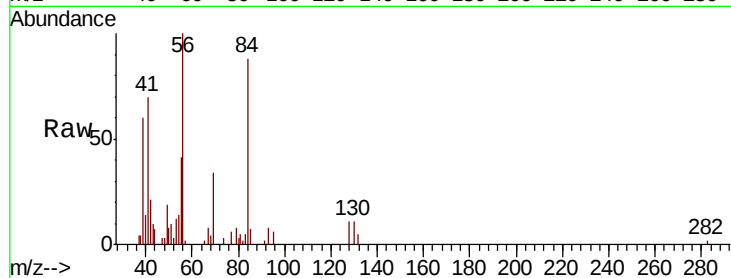
#31
Cyclohexane
Concen: 21.34 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.01 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	27.7	41.5
84	88.4	70.2	105.4

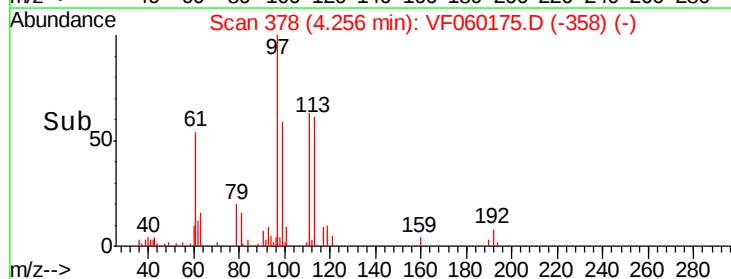
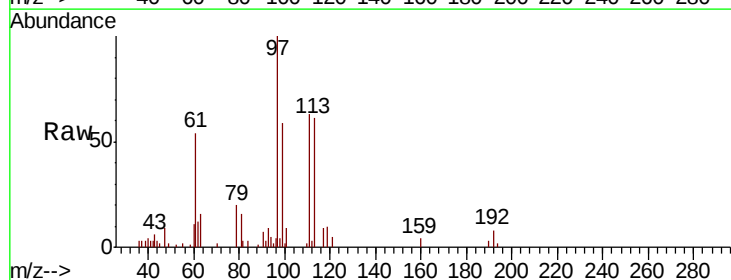
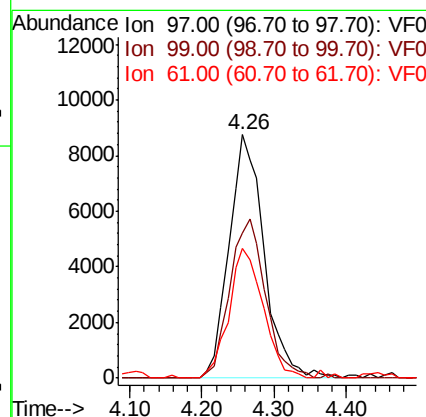
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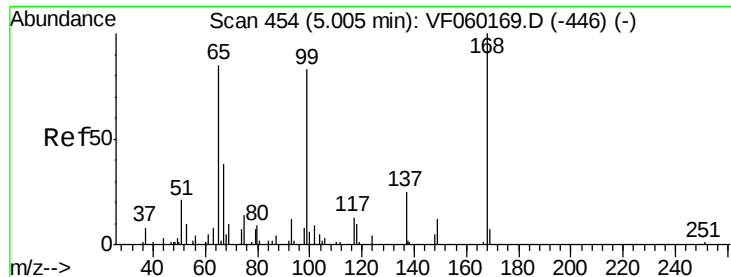
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#32
1,1,1-Trichloroethane
Concen: 17.62 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.4	54.4	81.6
61	53.5	36.2	54.4





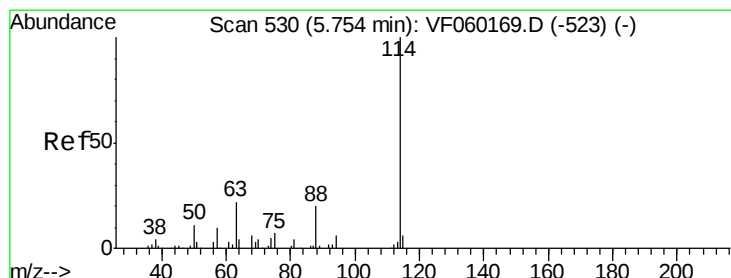
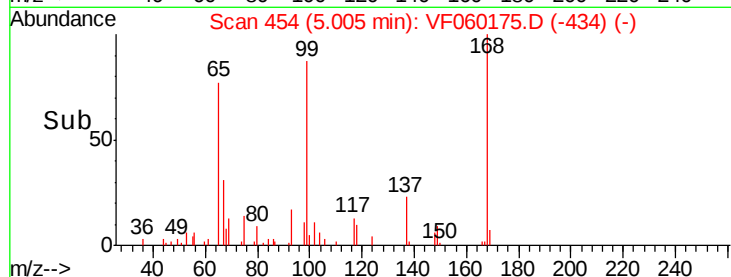
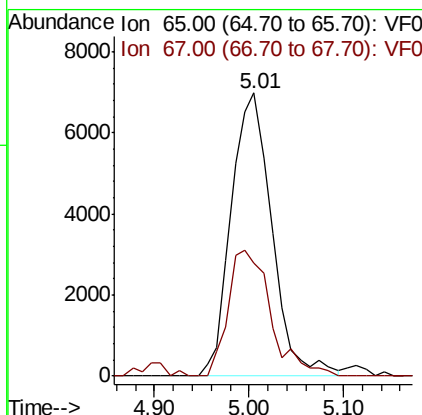
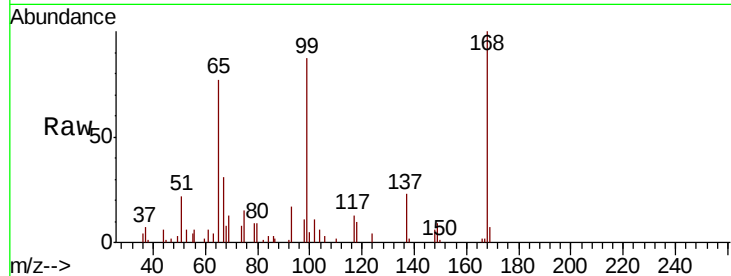
#33
 1,2-Dichloroethane-d4
 Concen: 43.76 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	20840		
67	39.9	0.0	92.6	

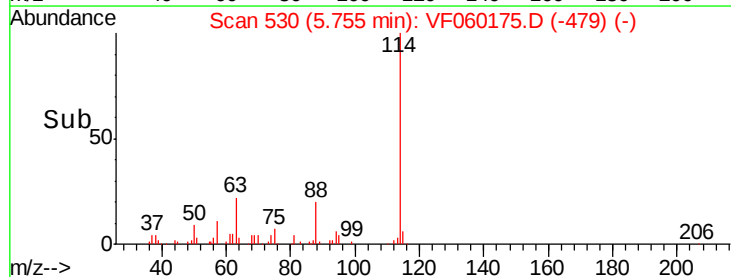
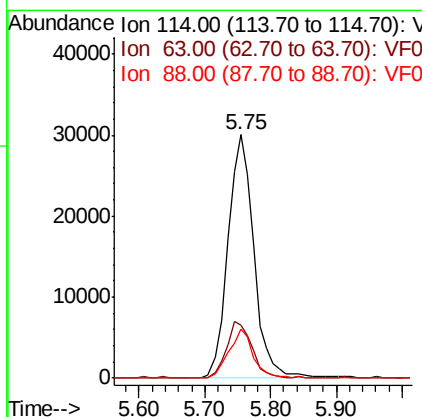
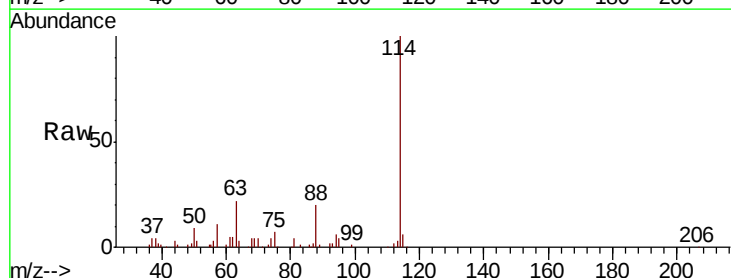
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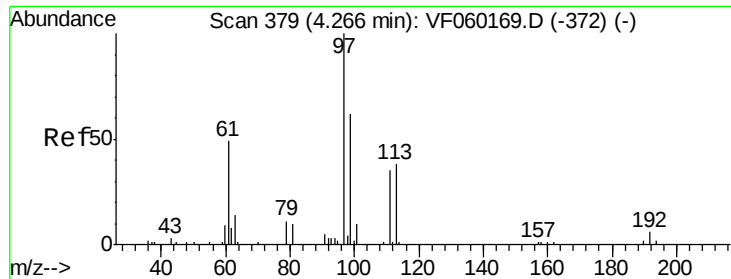
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	83221		
63	21.7	0.0	45.8	
88	20.0	0.0	40.2	





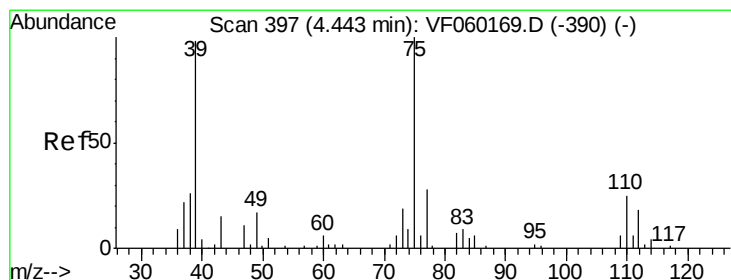
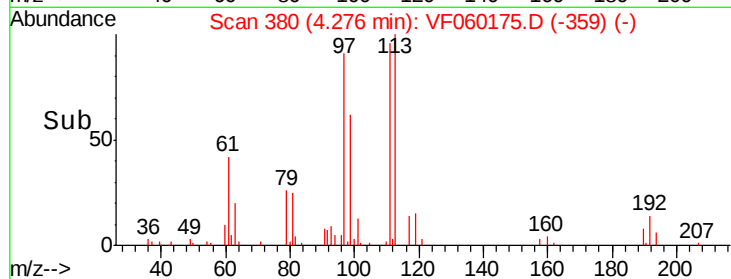
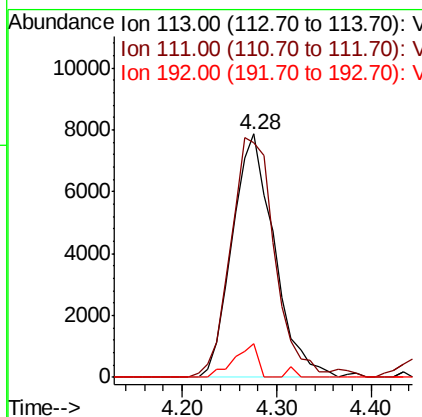
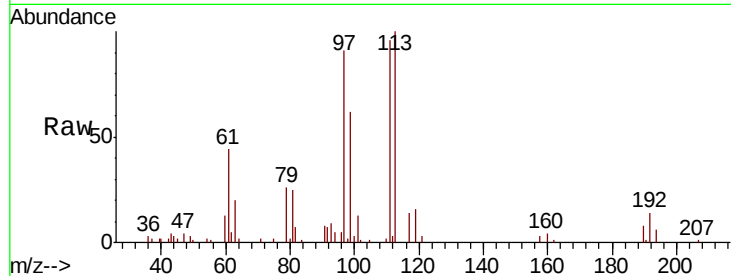
#35
 Dibromofluoromethane
 Concen: 45.32 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	24265		
111	96.4	75.5	113.3	
192	13.8	12.5	18.7	

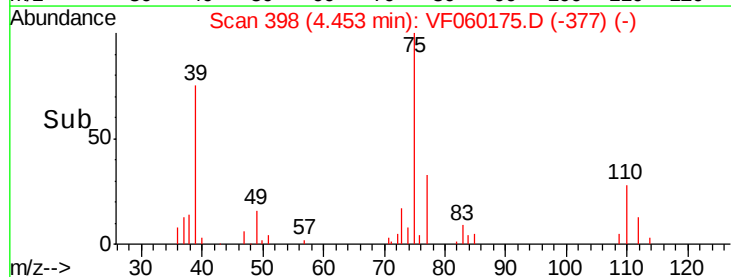
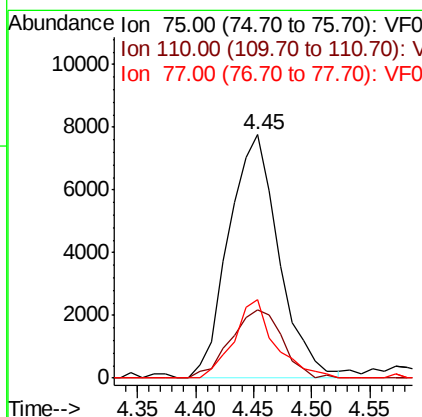
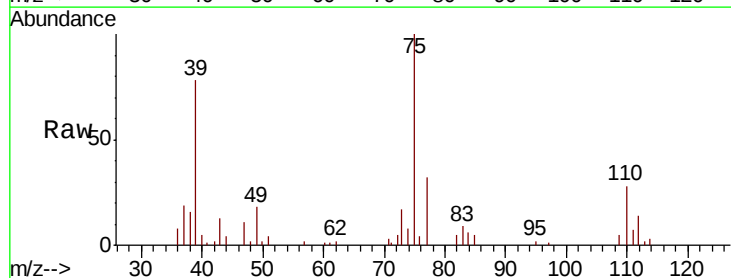
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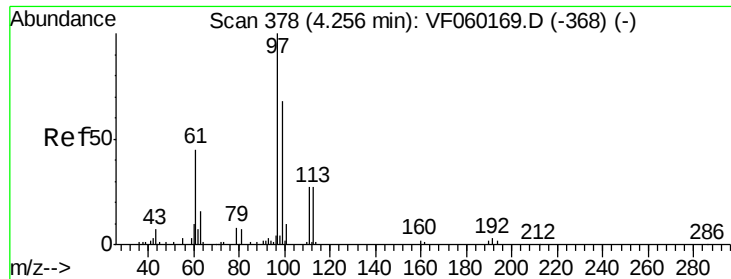
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#36
 1,1-Dichloropropene
 Concen: 20.18 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.01 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23178		
110	28.0	12.6	37.6	
77	32.5	22.2	33.4	





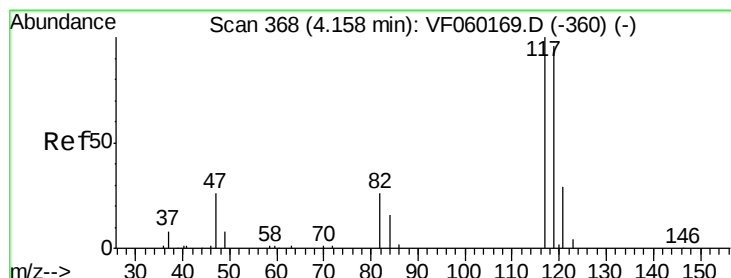
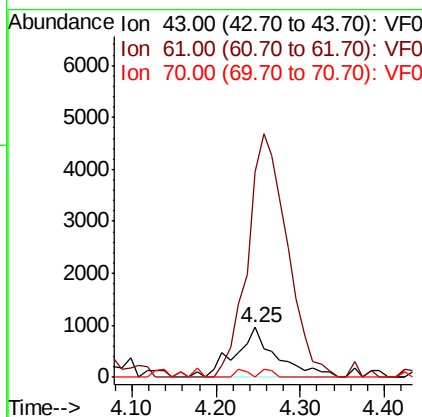
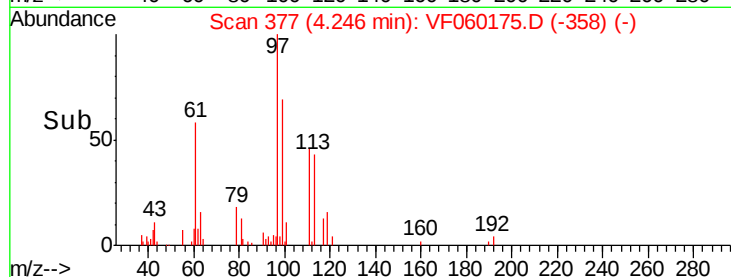
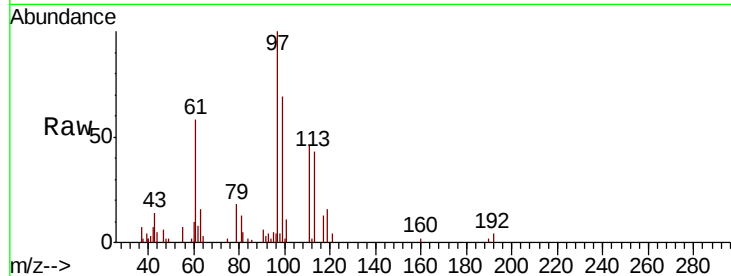
#37
Ethyl Acetate
Concen: 23.69 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						3284
61	412.0				517.6	776.4#	
70	0.0				15.4	23.2#	

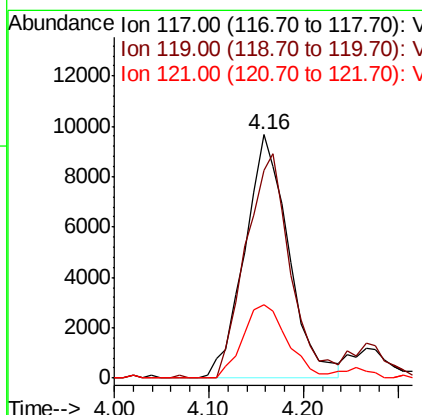
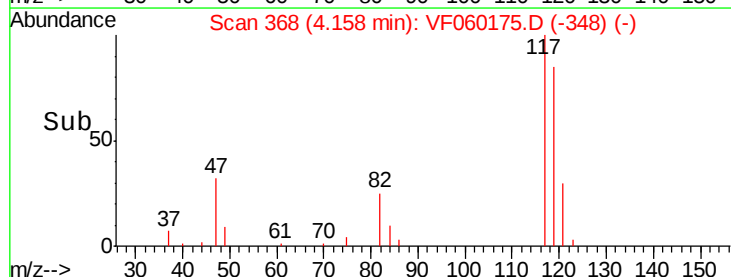
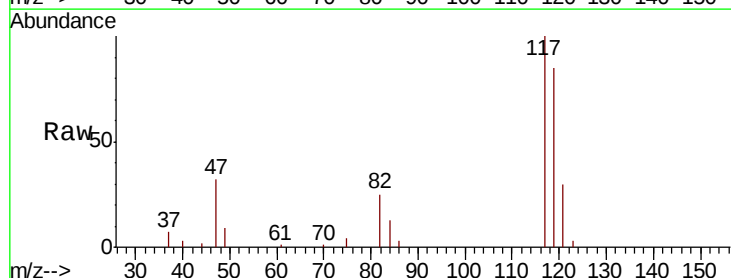
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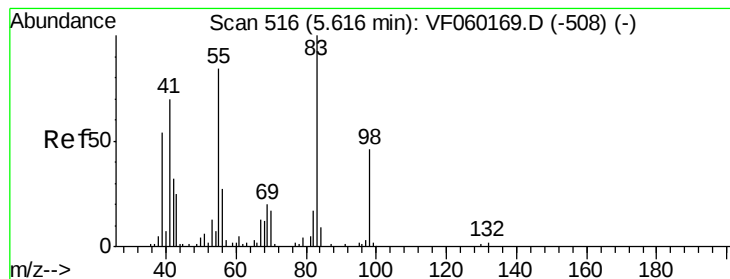
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#38
Carbon Tetrachloride
Concen: 19.68 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						31118
119	85.3				76.8	115.2	
121	30.0				22.9	34.3	





#39

Methvlcvclohexane

Concen: 22.98 ug/l

RT: 5.63 min Scan# 517

Delta R.T. 0.01 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

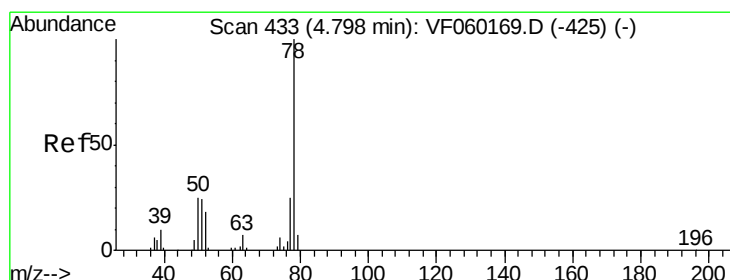
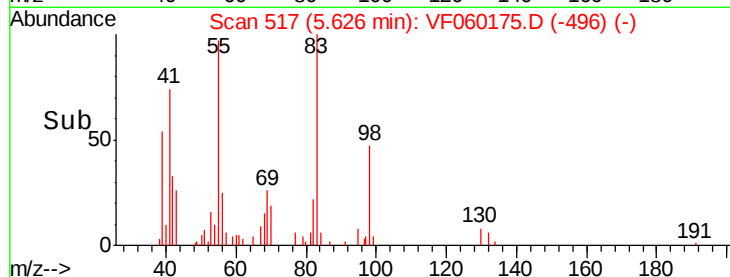
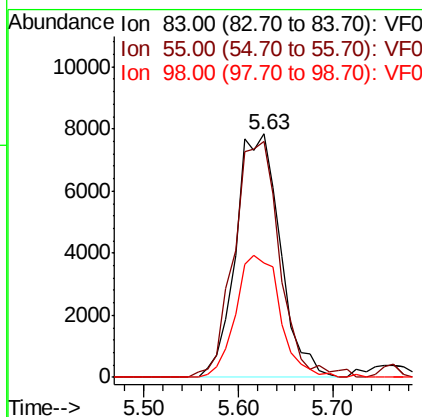
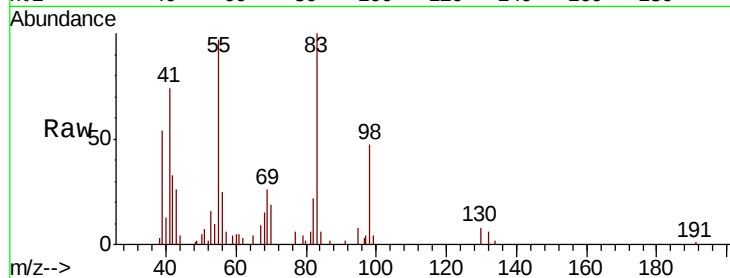
ClientSampleId :

VF0829SBS01

Tot Ion:	83	Resp:	25557
Ion Ratio	Lower	Upper	
83	100		
55	96.6	67.4	101.2
98	47.2	37.0	55.6

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#40

Benzene

Concen: 19.31 ug/l

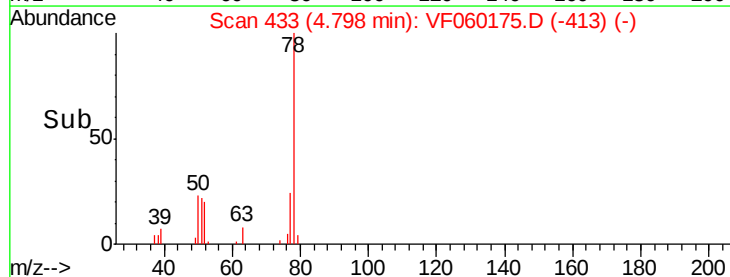
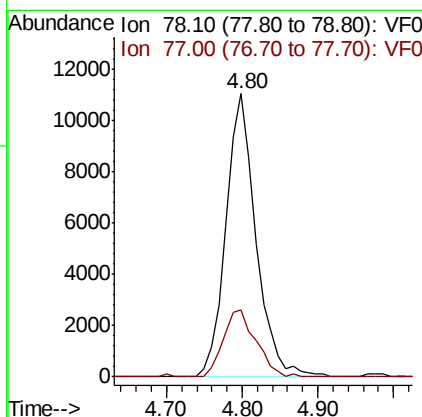
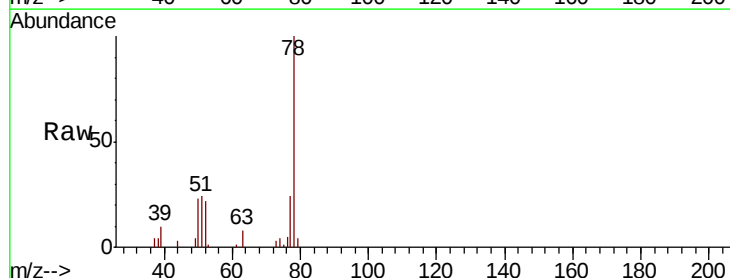
RT: 4.80 min Scan# 433

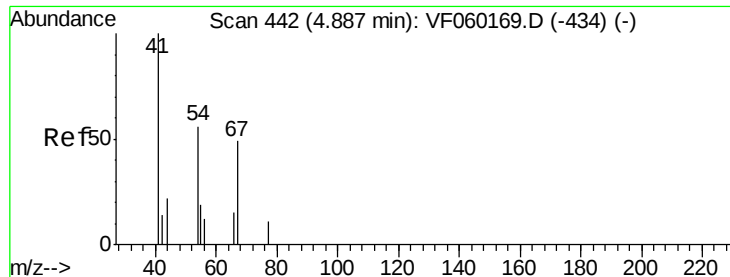
Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tgt Ion:	78	Resp:	30196
Ion Ratio	Lower	Upper	
78	100		
77	23.6	20.2	30.2





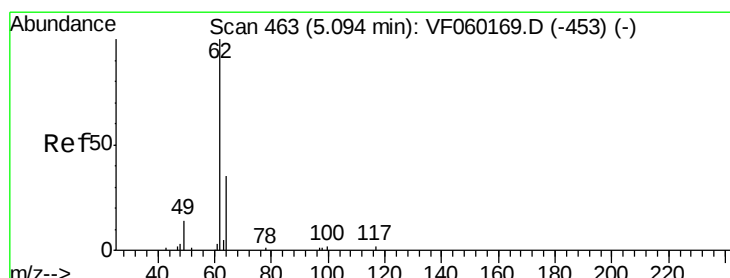
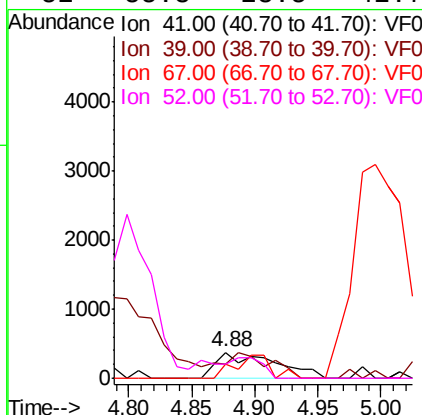
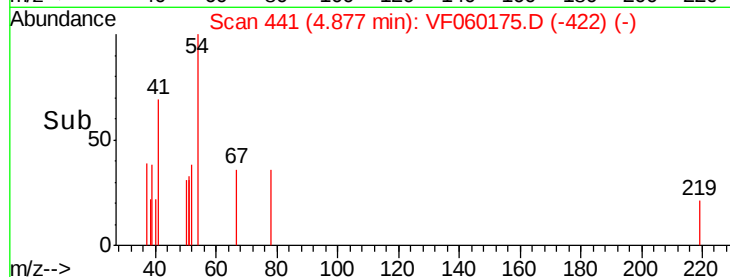
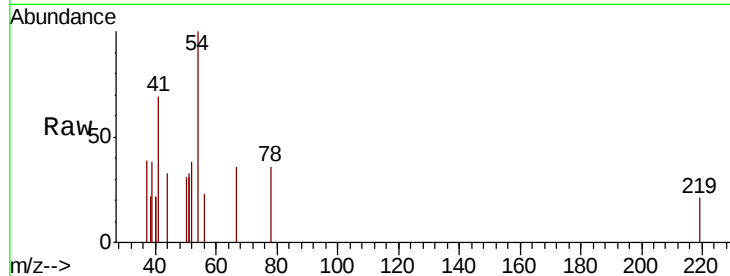
#41
Methacrylonitrile
Concen: 15.36 ug/l
RT: 4.88 min Scan# 441
Delta R.T. -0.01 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	45.0	67.6
67	52.6	39.5	59.3
52	55.8	28.5	42.7

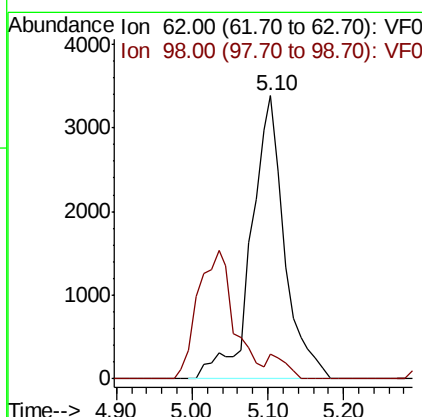
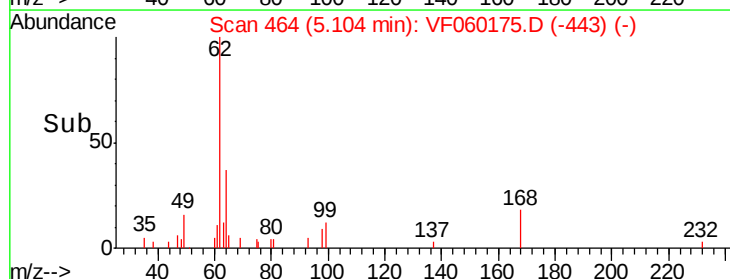
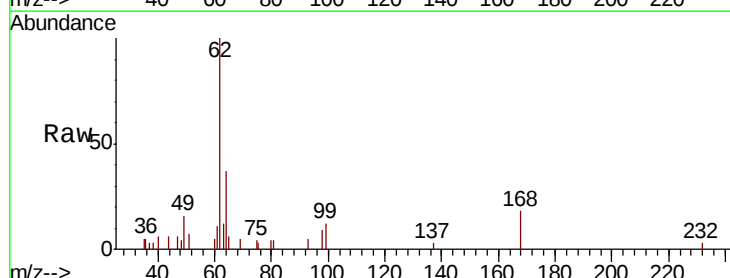
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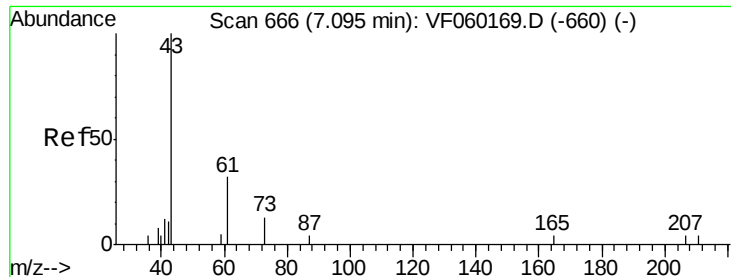
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#42
1,2-Dichloroethane
Concen: 18.31 ug/l
RT: 5.10 min Scan# 464
Delta R.T. 0.01 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	13.2





#43

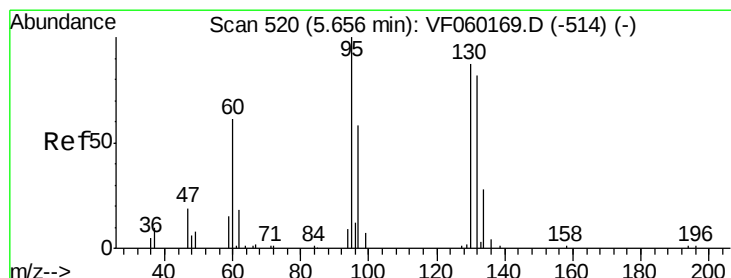
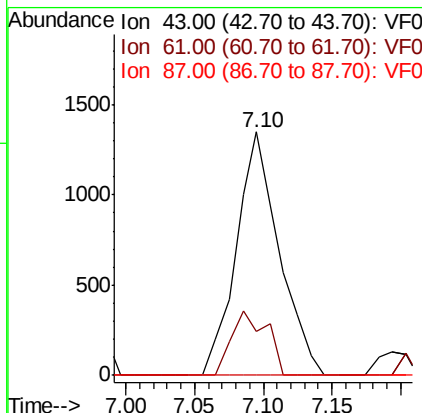
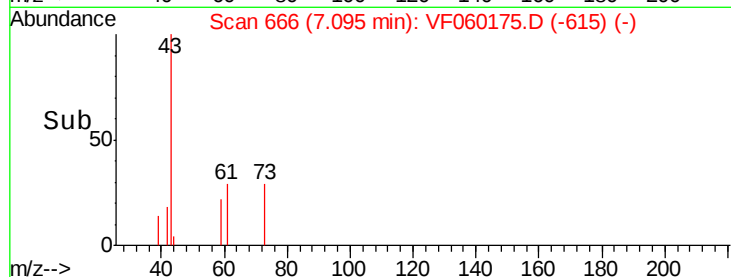
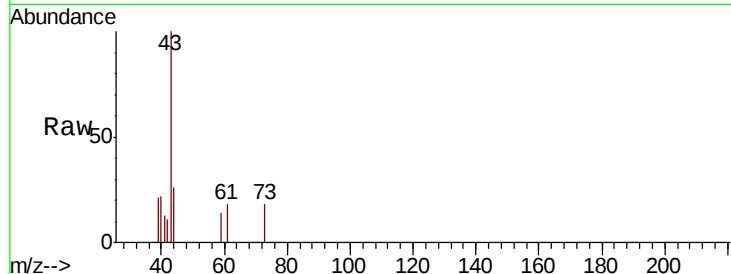
Isopropyl Acetate
 Concen: 16.32 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	25.3	37.9#
87	0.0	3.0	4.6#

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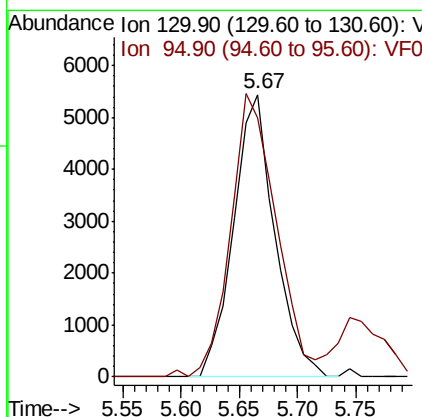
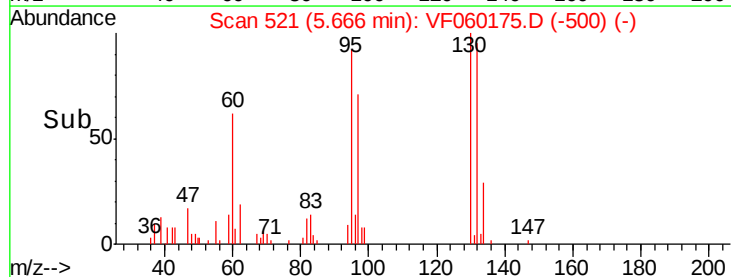
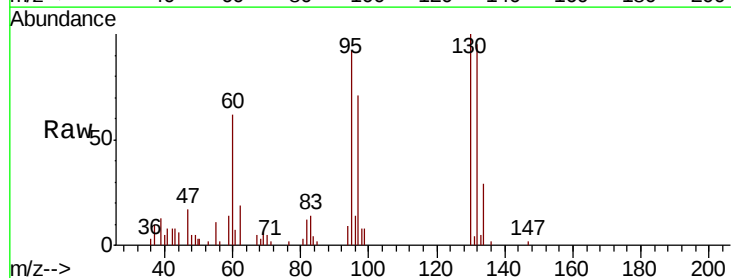
apatel
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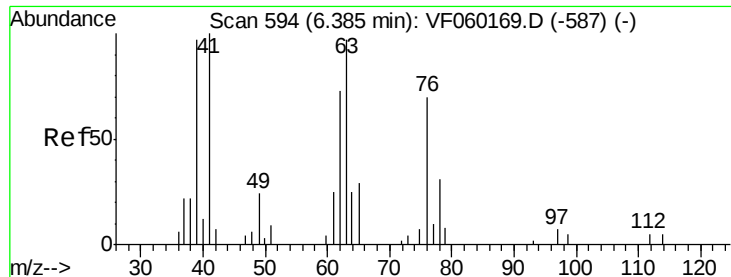


#44

Trichloroethene
 Concen: 19.90 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.01 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	230.8





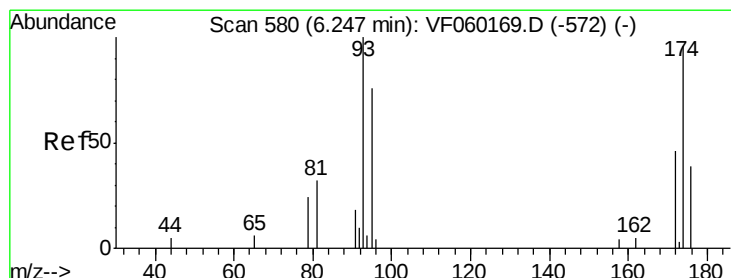
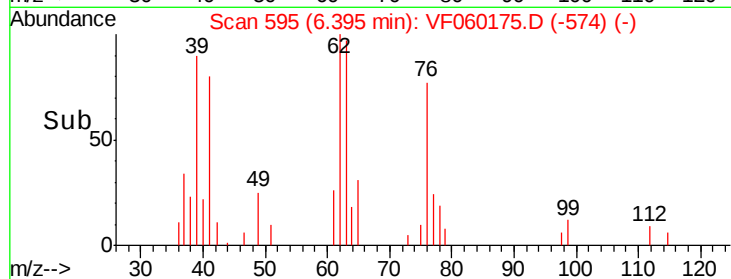
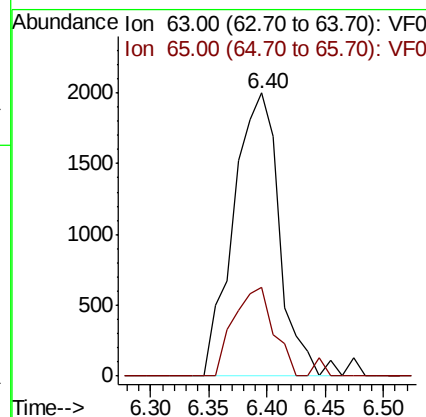
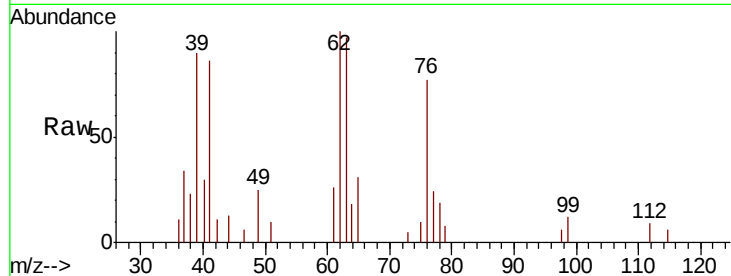
#45
 1,2-Dichloropropane
 Concen: 16.53 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion: 63 Resp: 5470
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.6 35.4

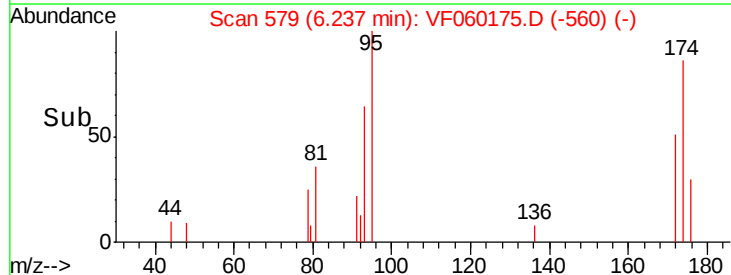
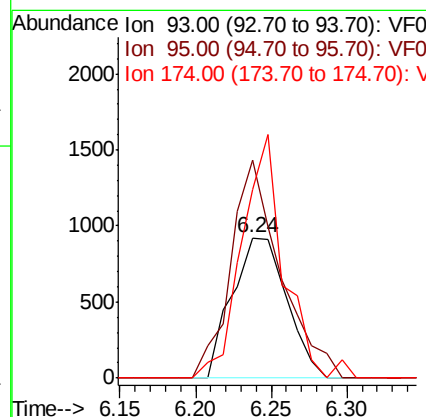
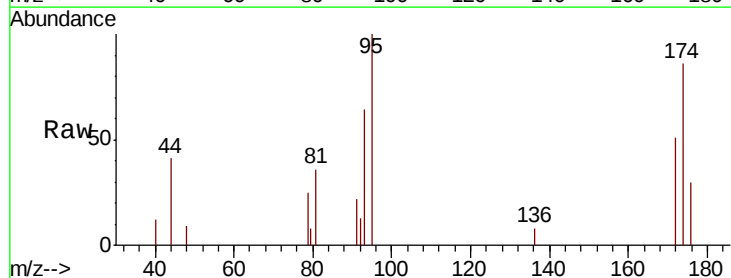
Manual Integrations
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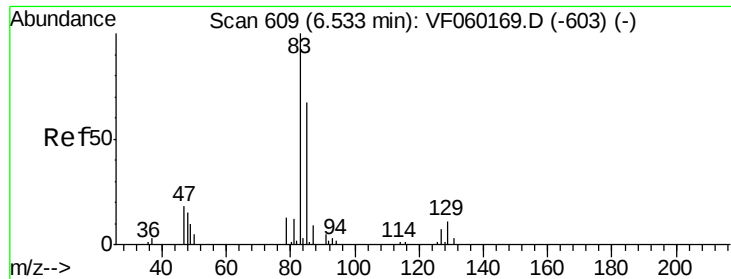
apatel
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#46
 Dibromomethane
 Concen: 13.76 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Tgt Ion: 93 Resp: 2332
 Ion Ratio Lower Upper
 93 100
 95 155.7 60.8 91.2#
 174 134.7 76.8 115.2#





#47

Bromodichloromethane

Concen: 17.93 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

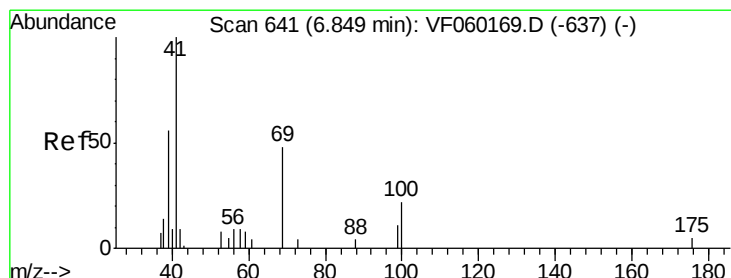
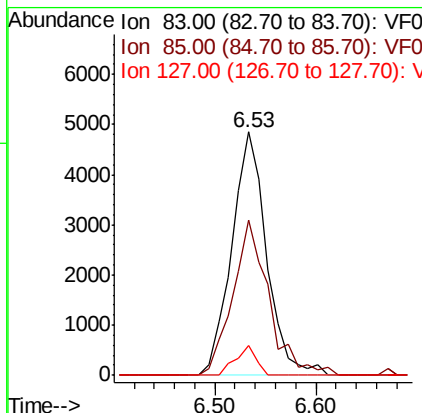
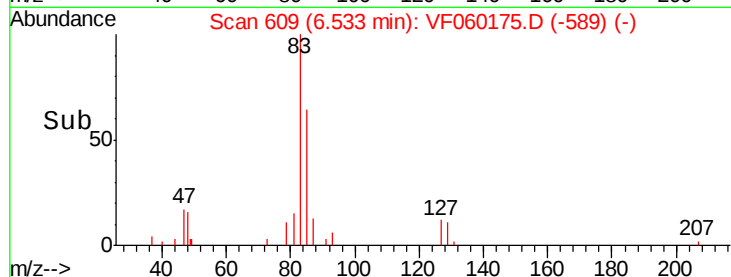
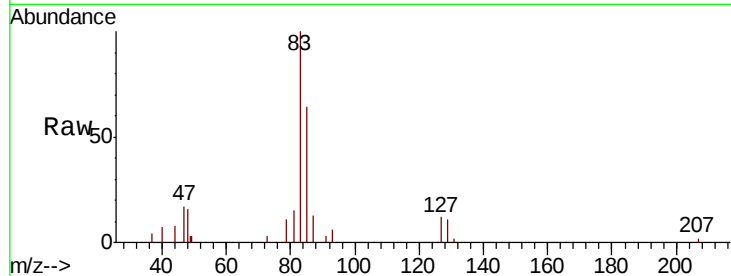
ClientSampleId :

VF0829SBS01

Tot Ion:	83	Resp:	11683
Ion Ratio	Lower	Upper	
83	100		
85	63.7	53.3	79.9
127	12.3	5.7	8.5#

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.01 ug/l

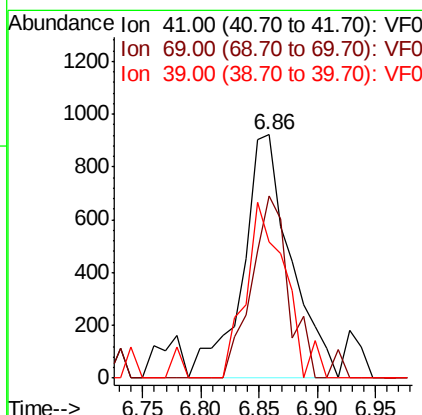
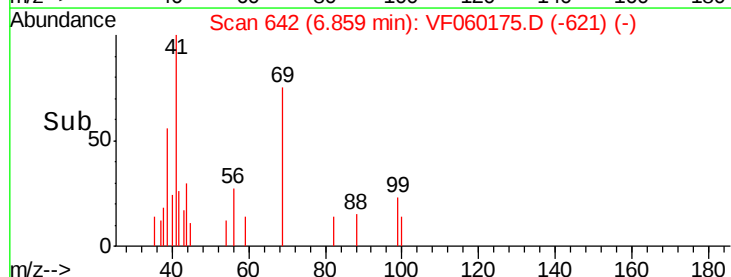
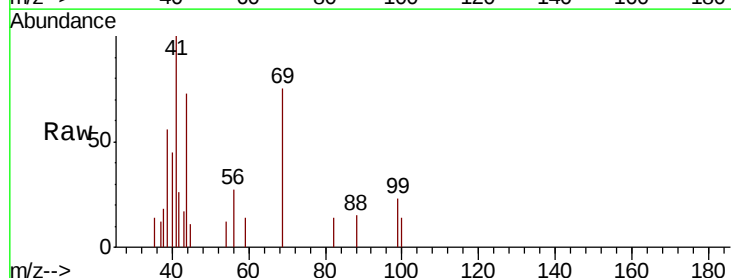
RT: 6.86 min Scan# 642

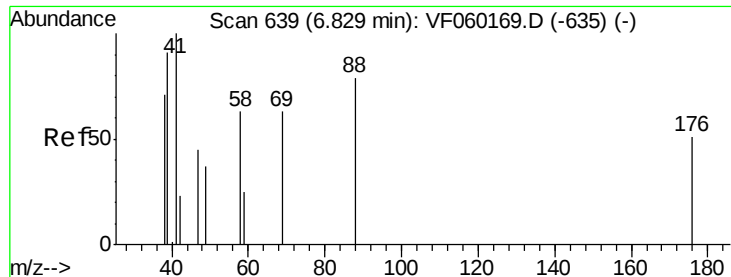
Delta R.T. 0.01 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tgt Ion:	41	Resp:	2640
Ion Ratio	Lower	Upper	
41	100		
69	74.7	38.2	57.2#
39	55.6	56.2	84.2#





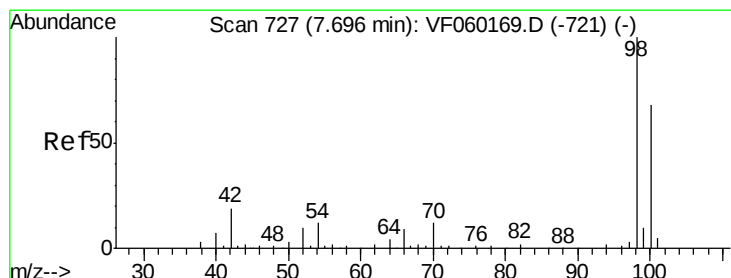
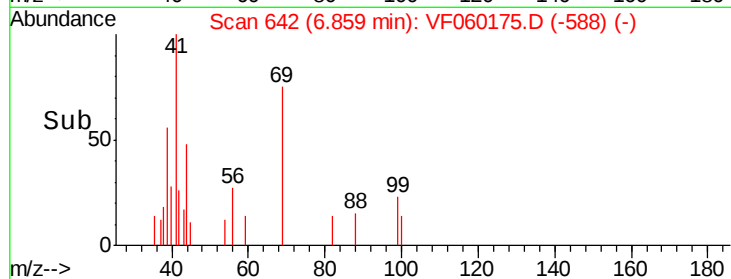
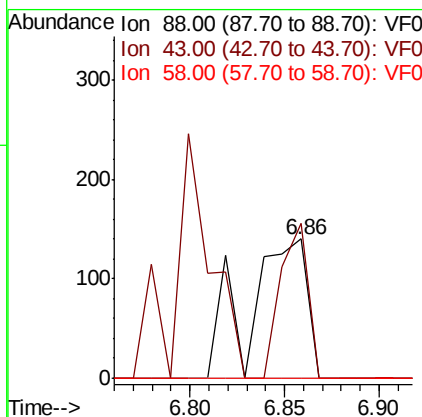
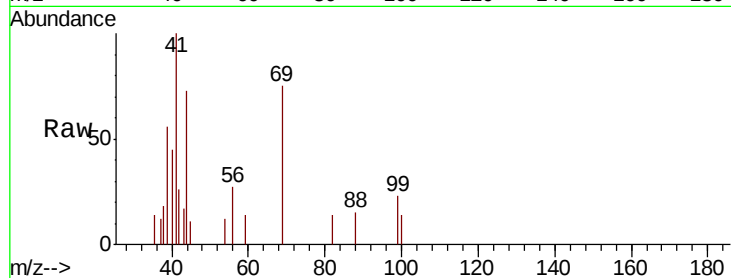
#49
 1,4-Dioxane
 Concen: 382.56 ug/l
 RT: 6.86 min Scan# 642
 Delta R.T. 0.03 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	111.4	24.5	36.7#
58	0.0	63.8	95.8#

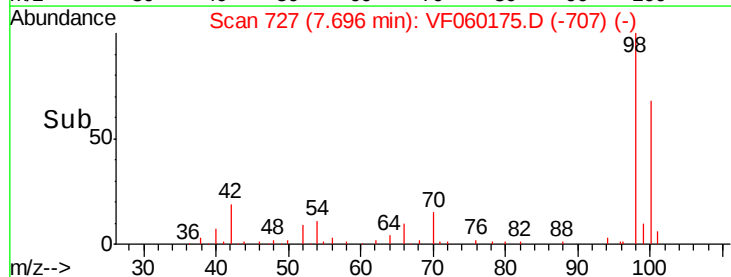
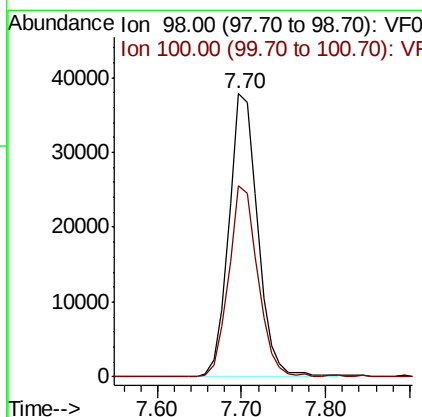
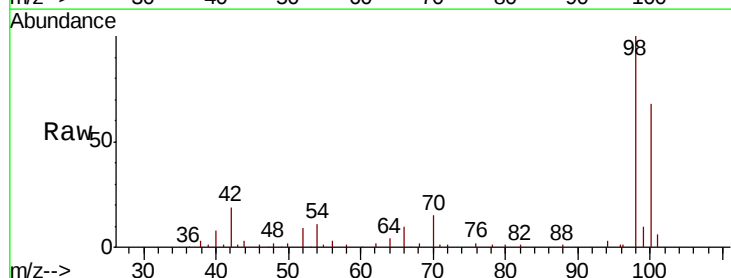
Manual Integrations
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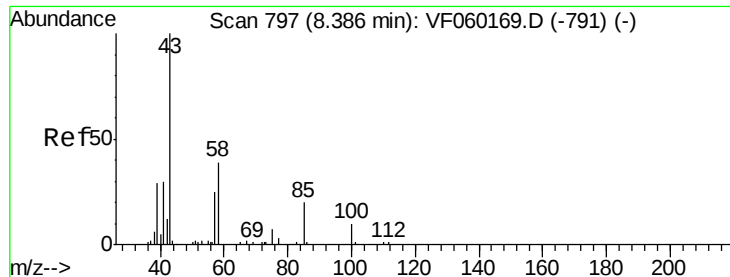
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#50
 Toluene-d8
 Concen: 49.39 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	54.5	81.7





#51

4-Methyl-2-Pentanone

Concen: 94.02 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 43 Resp: 14654

Ion Ratio Lower Upper

43 100

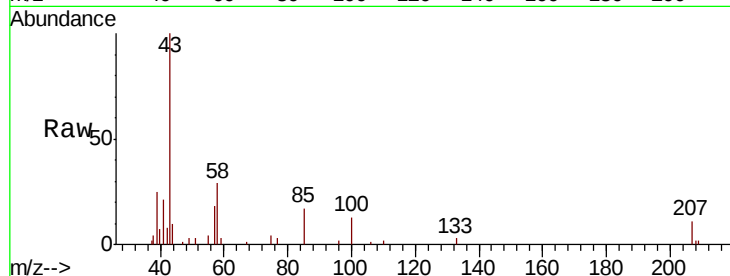
58 28.6 31.0 46.6#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

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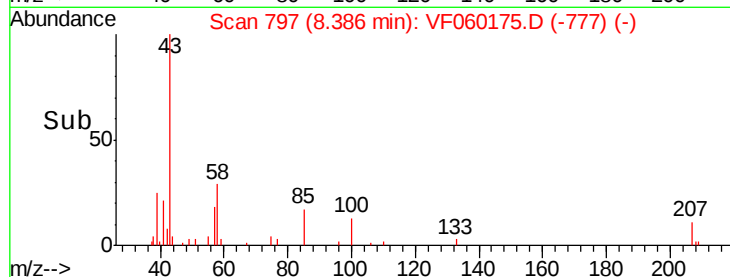
8.39

8.39

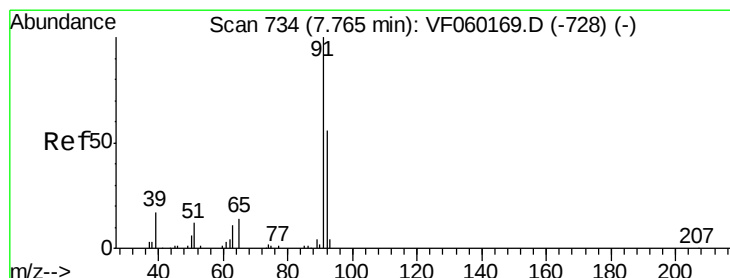
8.39

8.39

8.39



Time-->



#52

Toluene

Concen: 19.64 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF060175.D

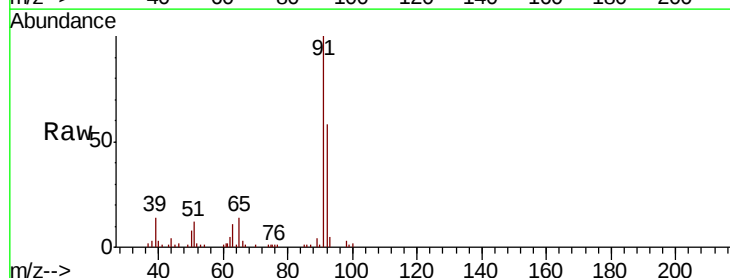
Acq: 29 Aug 2018 5:05

Tgt Ion: 92 Resp: 23725

Ion Ratio Lower Upper

92 100

91 172.8 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

20000

15000

10000

5000

0

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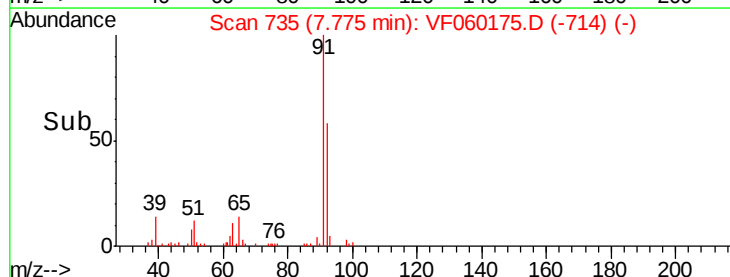
7.78

7.78

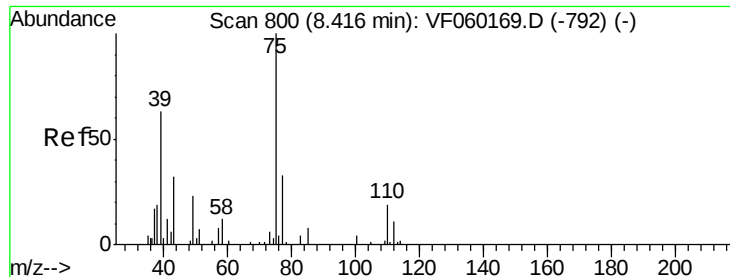
7.78

7.78

7.78



Time-->



#53

t-1,3-Dichloropropene

Concen: 16.50 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 75 Resp: 5900

Ion Ratio Lower Upper

75 100

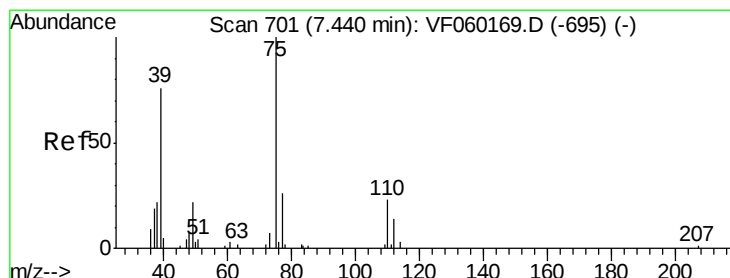
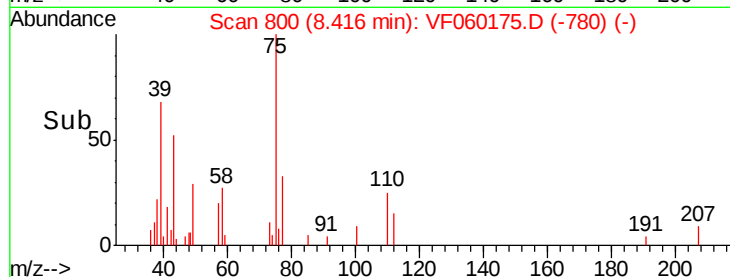
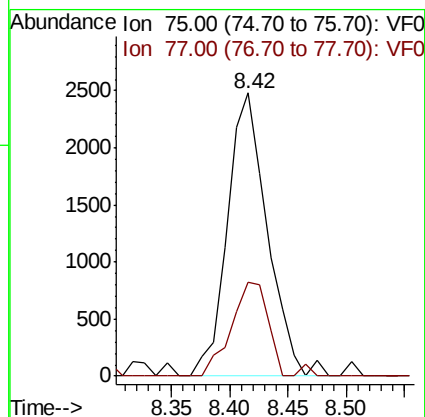
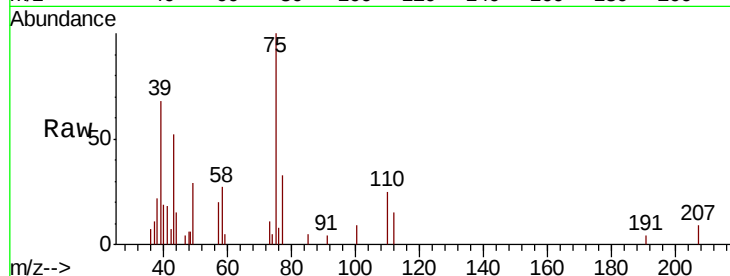
77 33.1 26.4 39.6

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#54

cis-1,3-Dichloropropene

Concen: 18.05 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

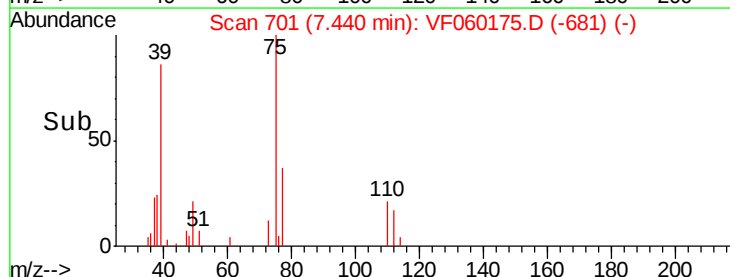
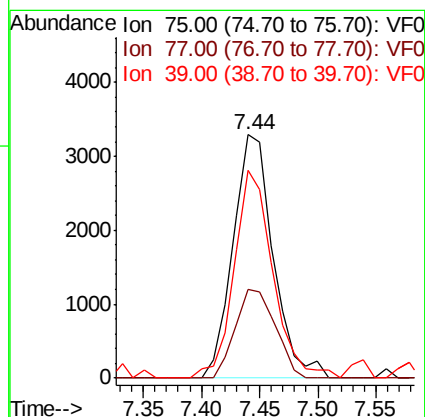
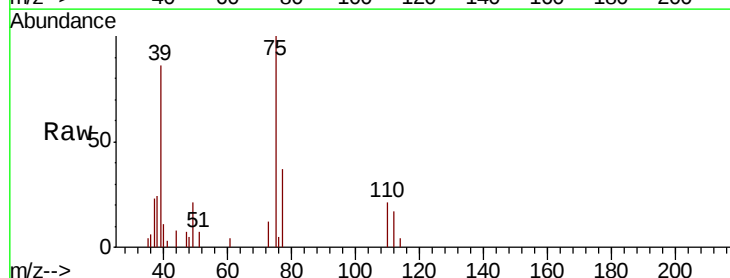
Tgt Ion: 75 Resp: 7889

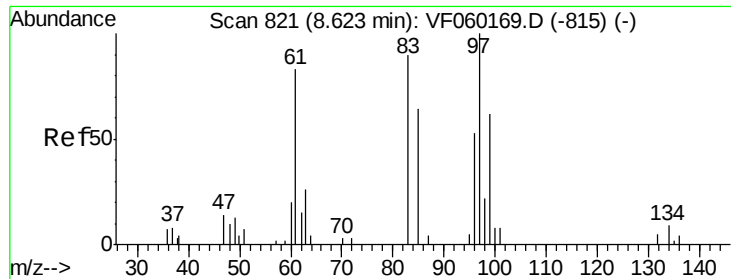
Ion Ratio Lower Upper

75 100

77 36.7 20.7 31.1#

39 85.5 60.9 91.3





#55

1,1,2-Trichloroethane

Concen: 16.63 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

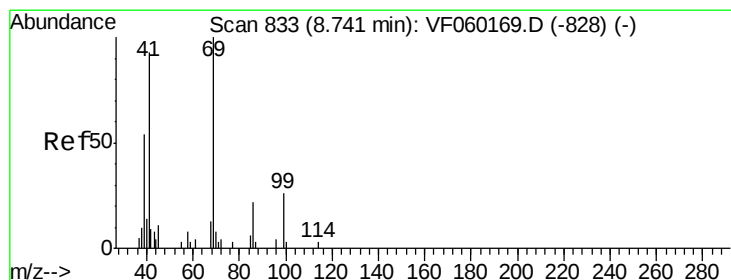
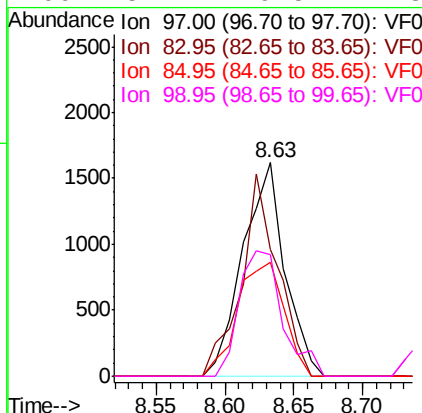
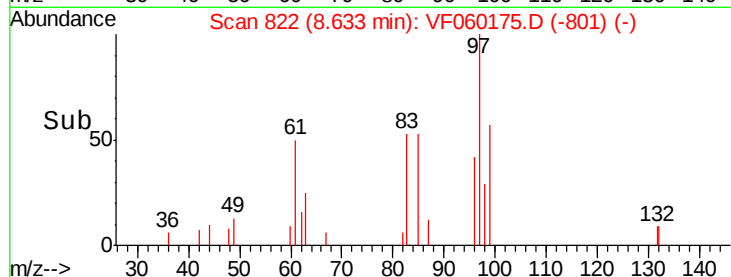
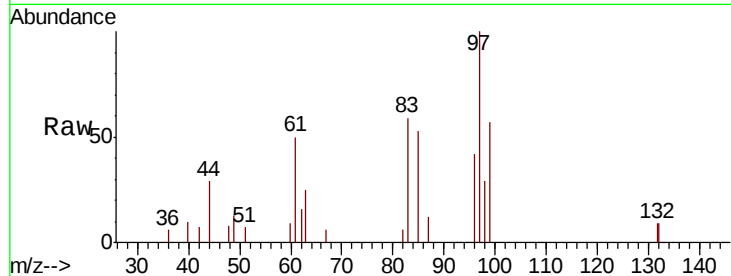
ClientSampleId :

VF0829SBS01

Tot Ion:	97	Resp:	3440
Ion	Ratio	Lower	Upper
97	100		
83	59.4	72.0	108.0#
85	53.5	51.0	76.4
99	57.2	49.5	74.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.48 ug/l

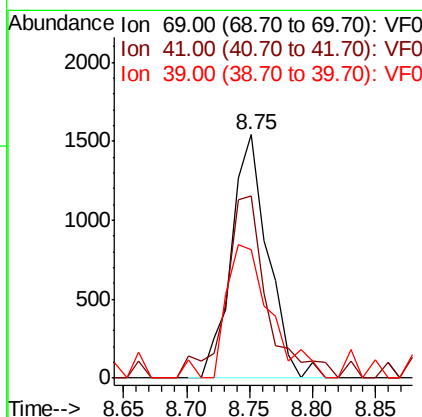
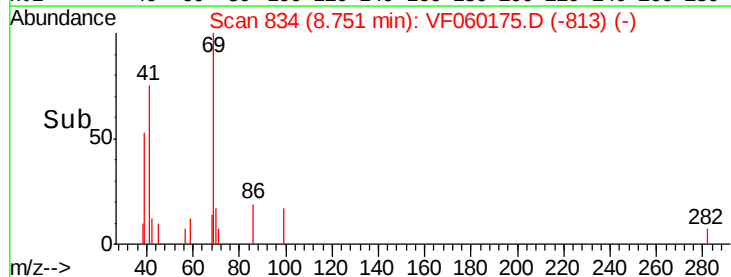
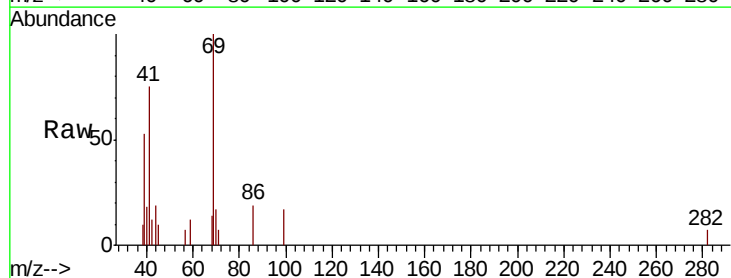
RT: 8.75 min Scan# 834

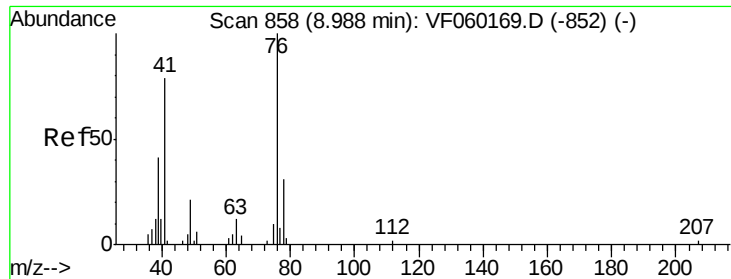
Delta R.T. 0.01 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tgt Ion:	69	Resp:	3100
Ion	Ratio	Lower	Upper
69	100		
41	74.9	74.6	111.8
39	52.8	46.2	69.4





#57

1,3-Dichloropropane

Concen: 17.61 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tot Ion: 76 Resp: 6311

Ion Ratio Lower Upper

76 100

78 33.5 24.6 37.0

Instrument :

MSVOA_F

ClientSampleId :

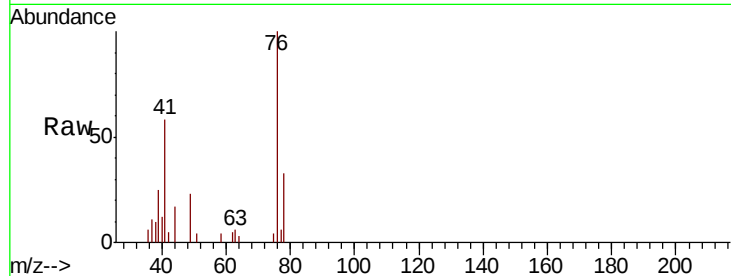
VF0829SBS01

Manual Integrations

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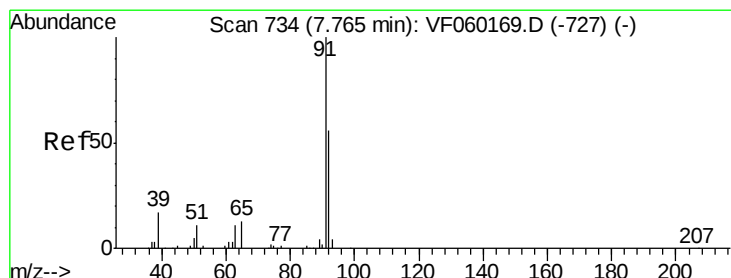
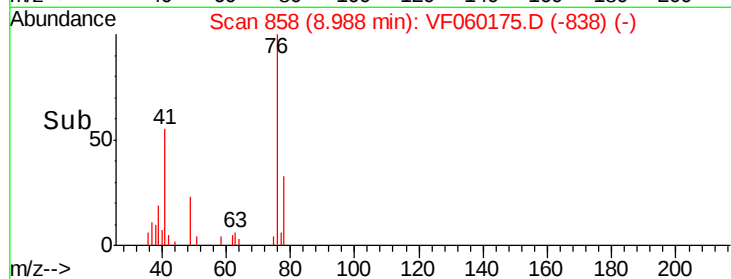
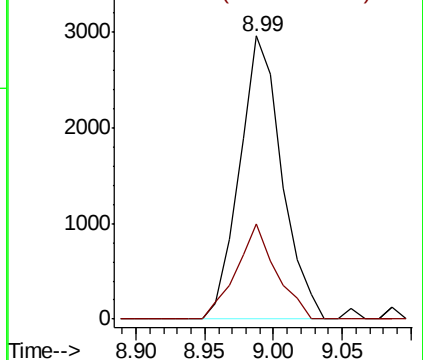
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 108.64 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF060175.D

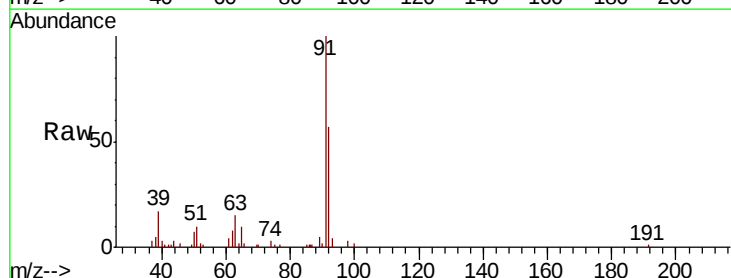
Acq: 29 Aug 2018 5:05

Tgt Ion: 63 Resp: 5420

Ion Ratio Lower Upper

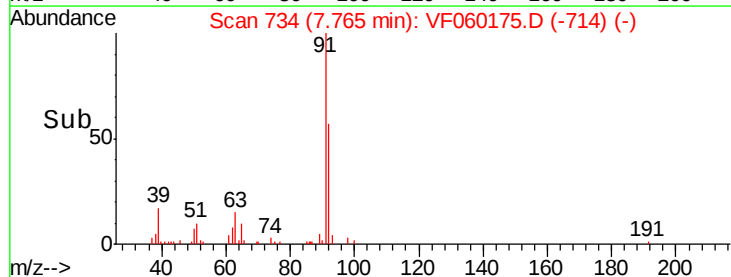
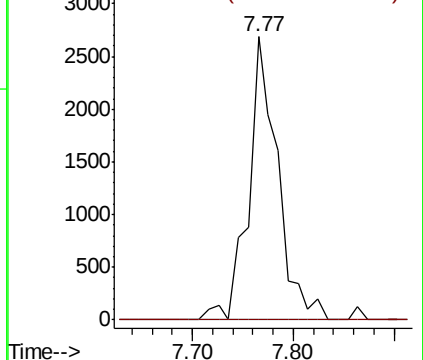
63 100

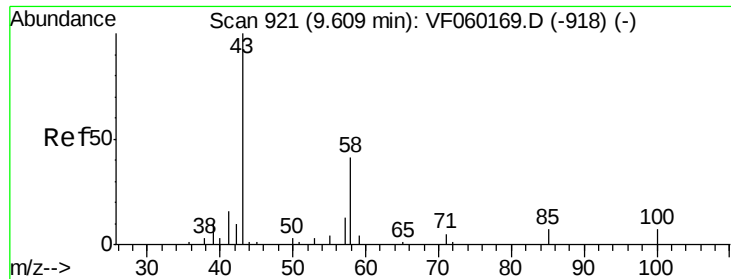
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





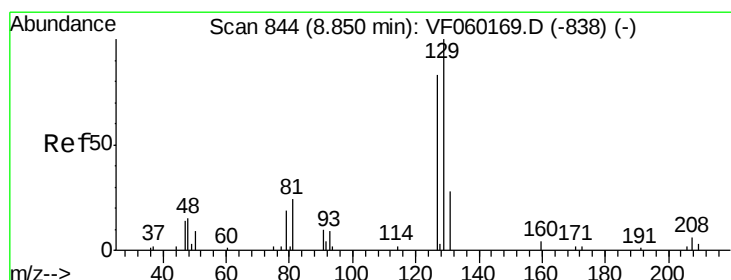
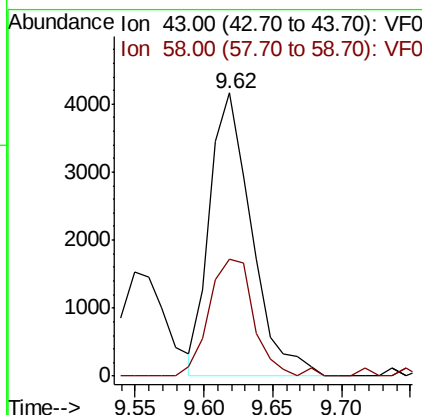
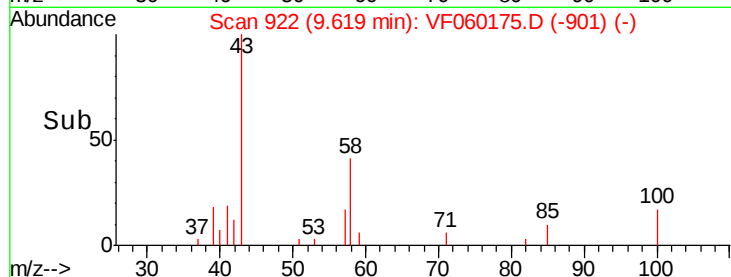
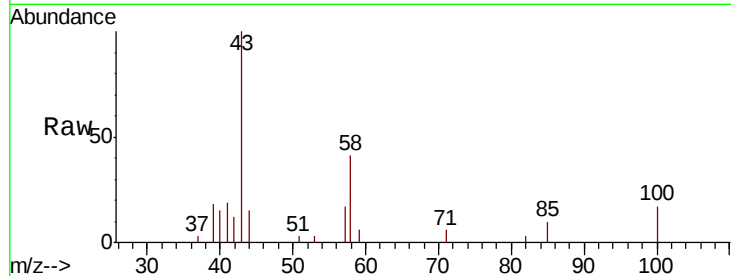
#59
2-Hexanone
Concen: 80.27 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.3	19.4	58.4

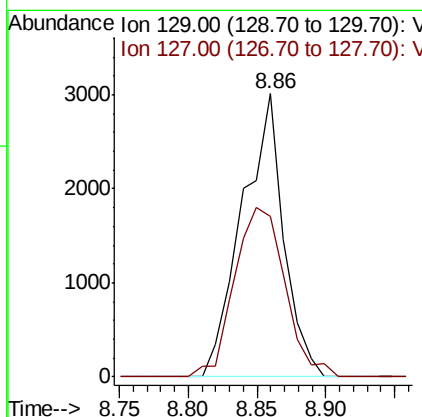
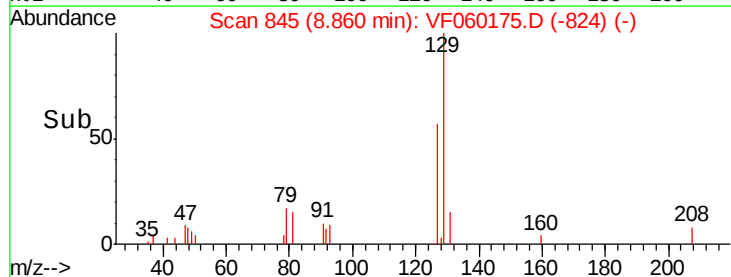
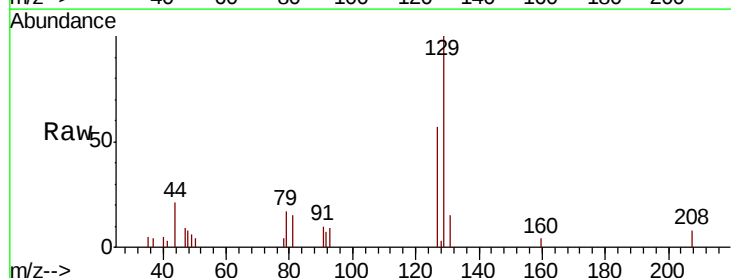
Manual Integrations
APPROVED

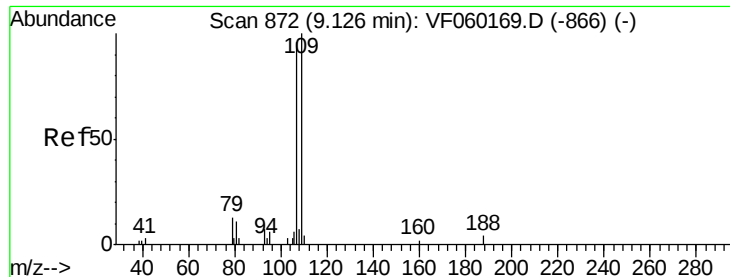
apatel
8/29/2018 2:02:21 PM



#60
Dibromochloromethane
Concen: 18.43 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	56.7	43.2	129.6





#61

1,2-Dibromoethane

Concen: 15.60 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 107 Resp: 3306

Ion Ratio Lower Upper

107 100

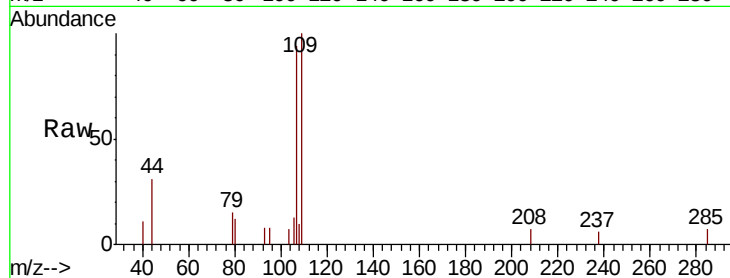
109 107.0 83.4 125.0

Manual Integrations

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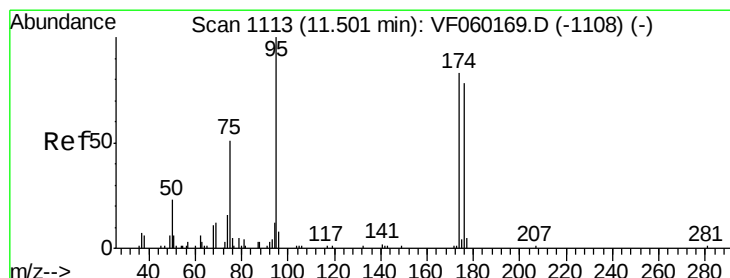
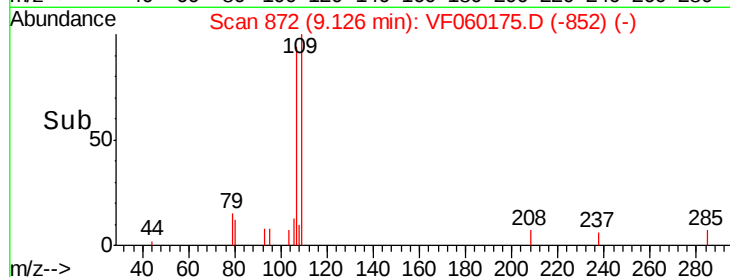
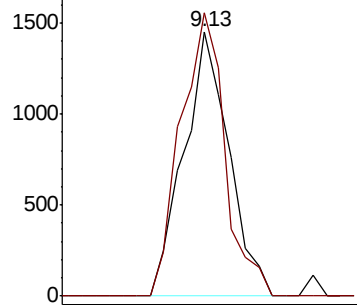
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.97 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

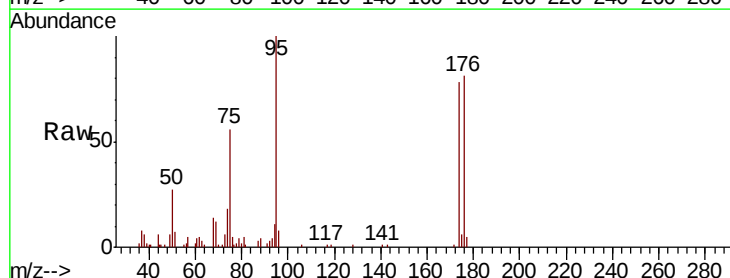
Tgt Ion: 95 Resp: 29693

Ion Ratio Lower Upper

95 100

174 78.0 0.0 165.2

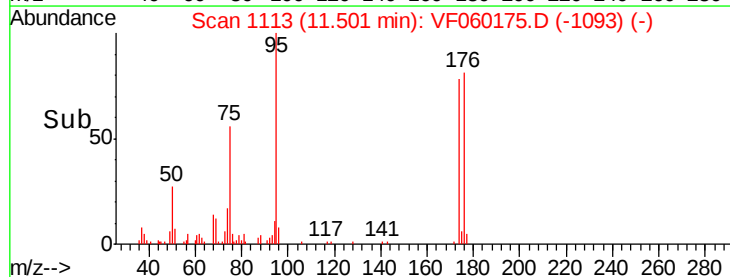
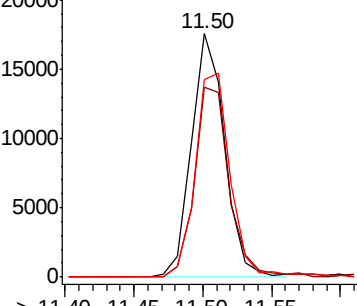
176 81.0 0.0 156.6

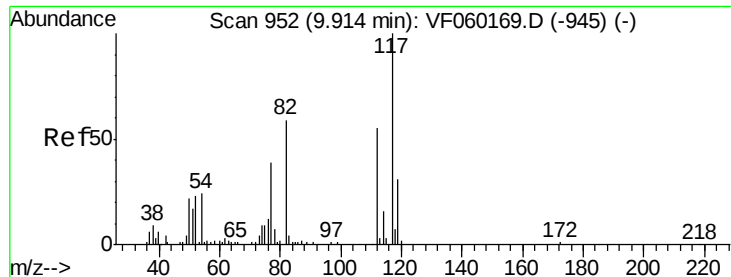


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





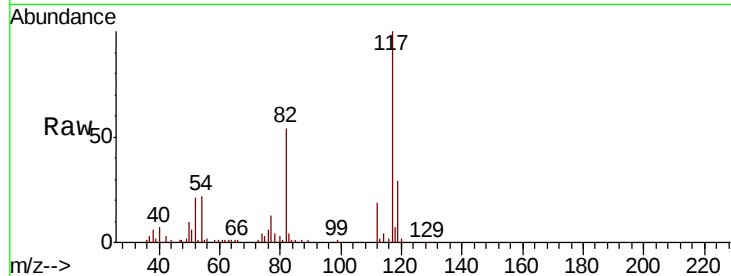
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	47.2	70.8
119	28.8	25.0	37.4

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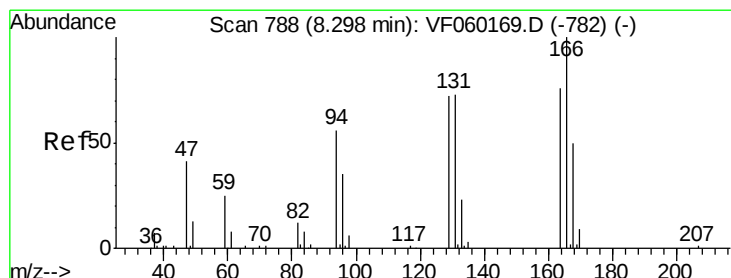
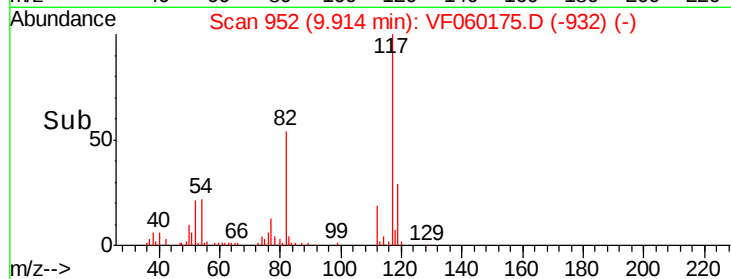
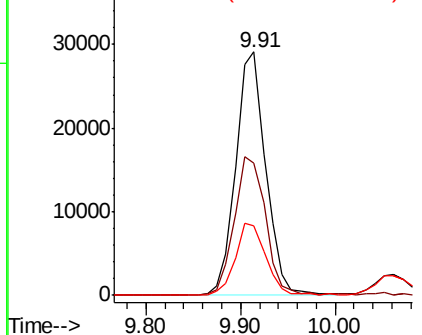


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 24.13 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	105.2	157.8
129	88.8	76.2	114.2
131	91.6	77.0	115.6

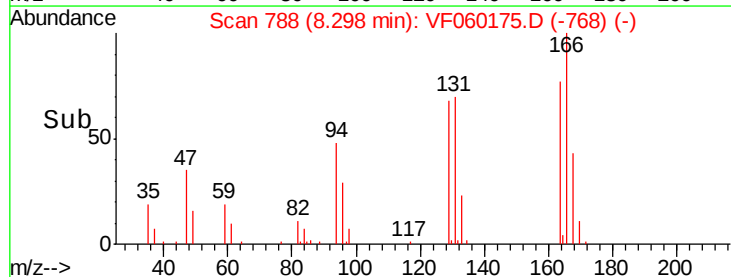
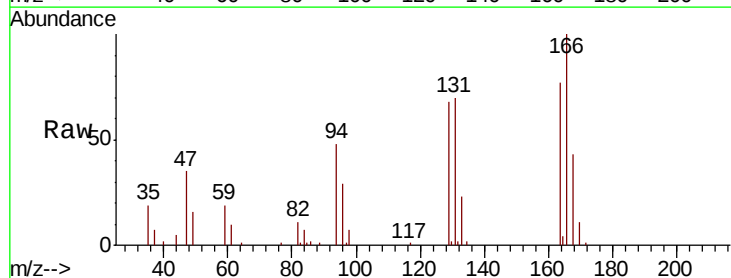
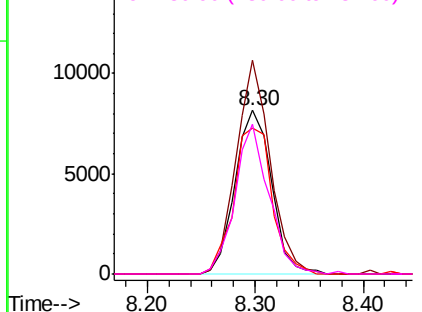
Abundance

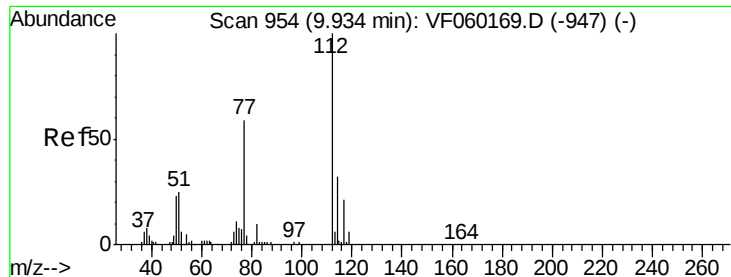
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





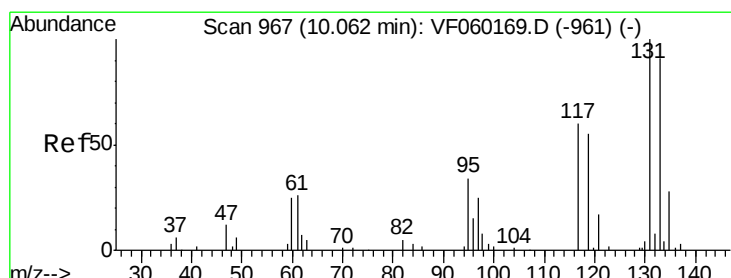
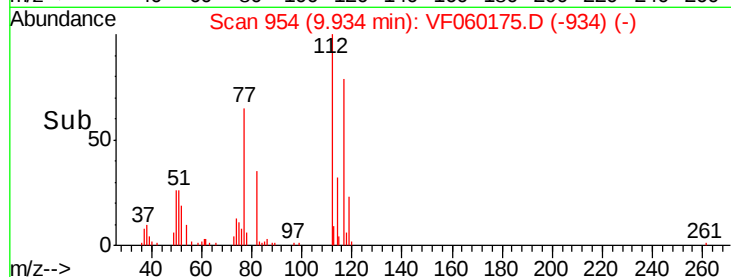
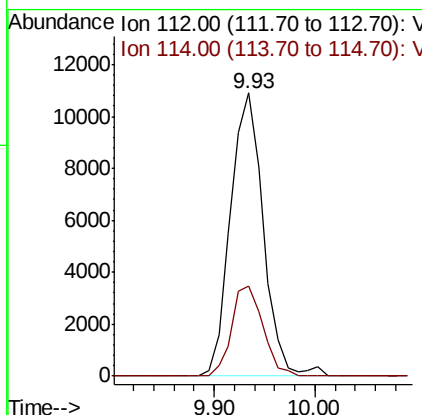
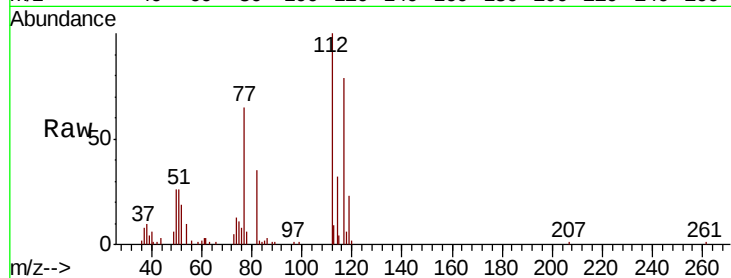
#65
Chlorobenzene
Concen: 19.14 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.0

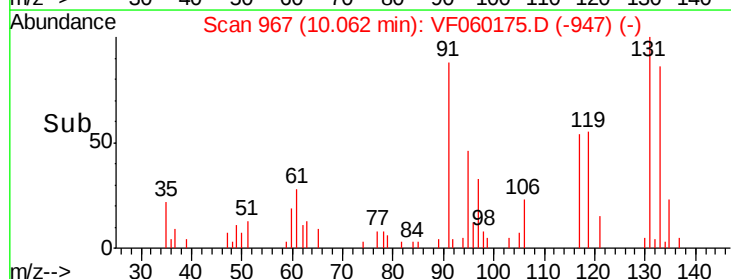
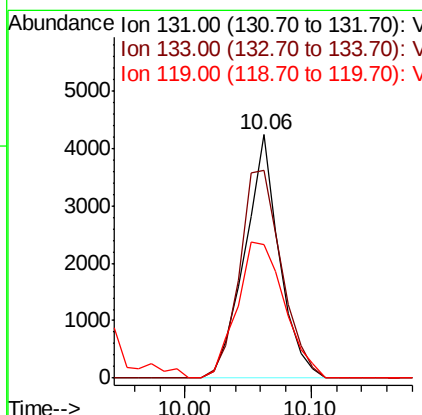
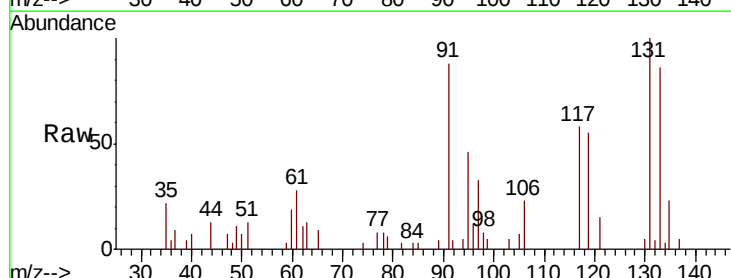
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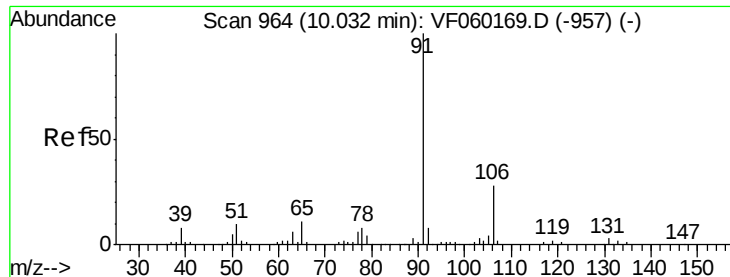
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.64 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	85.5	45.7	137.1
119	55.1	28.1	84.3





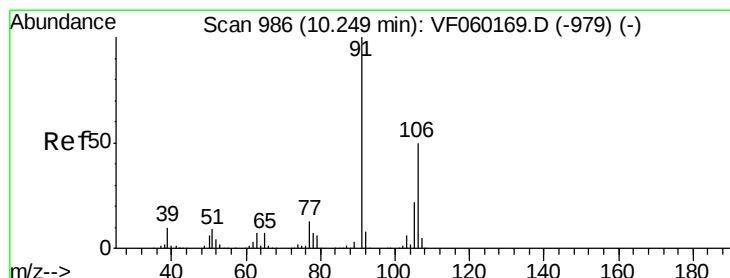
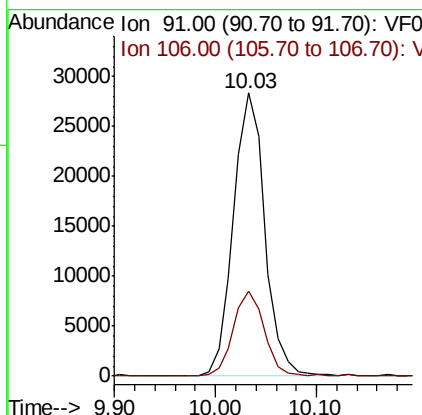
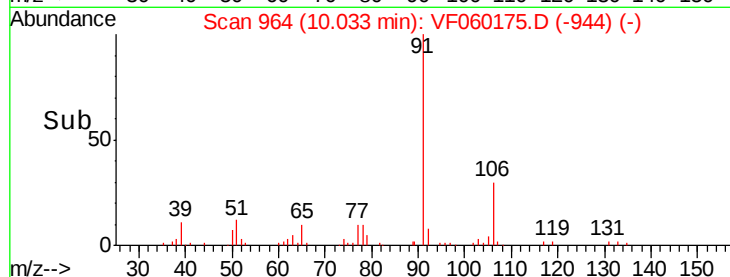
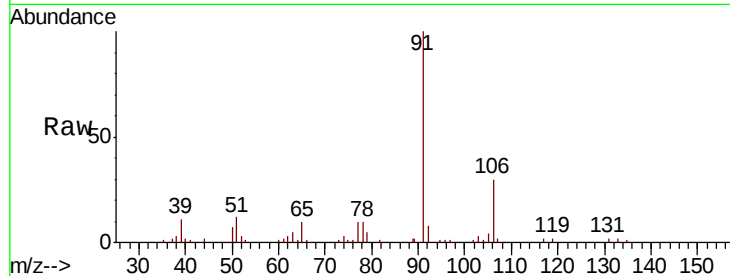
#67
Ethyl Benzene
Concen: 20.99 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion: 91 Resp: 61655
Ion Ratio Lower Upper
91 100
106 30.0 22.8 34.2

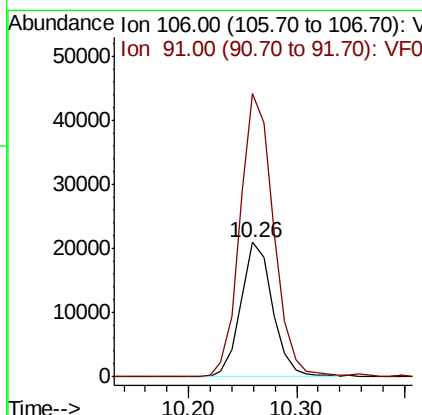
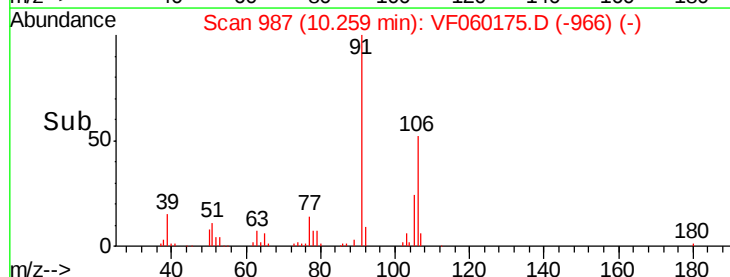
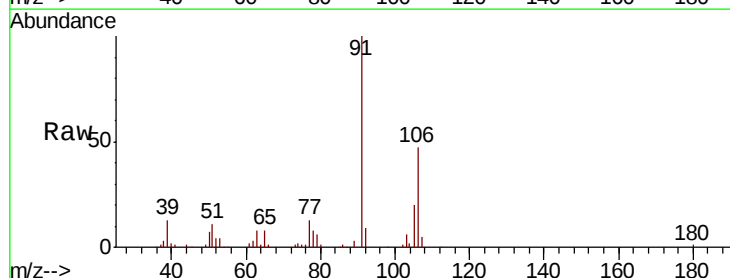
Manual Integrations
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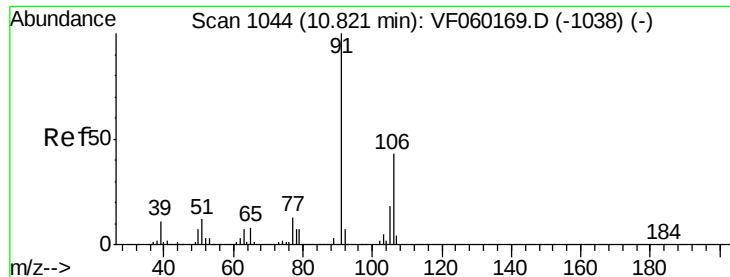
apatel
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#68
m/p-Xylenes
Concen: 42.54 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion: 106 Resp: 42828
Ion Ratio Lower Upper
106 100
91 210.8 161.3 241.9





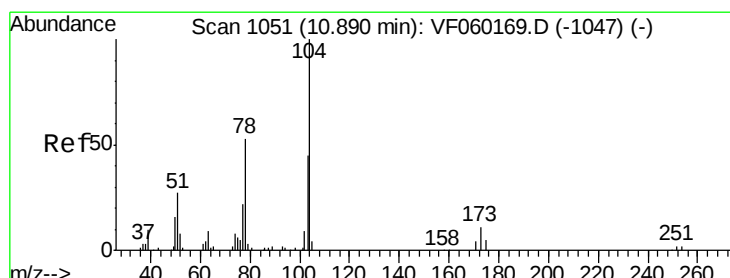
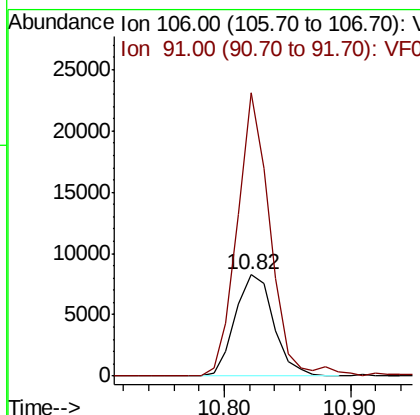
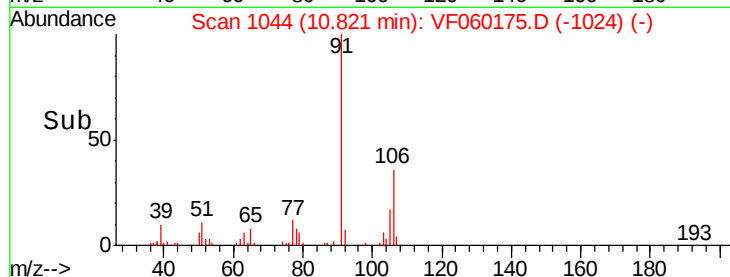
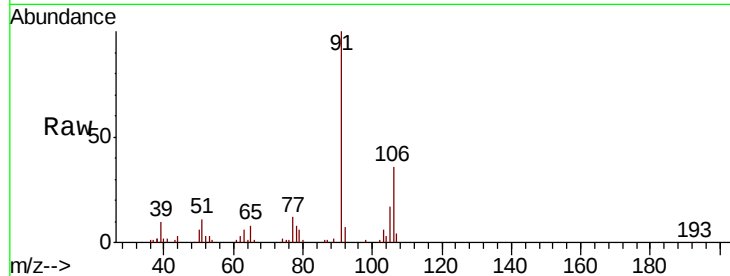
#69
o-Xylene
Concen: 20.28 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion:106 Resp: 17469
Ion Ratio Lower Upper
106 100
91 279.1 117.0 350.8

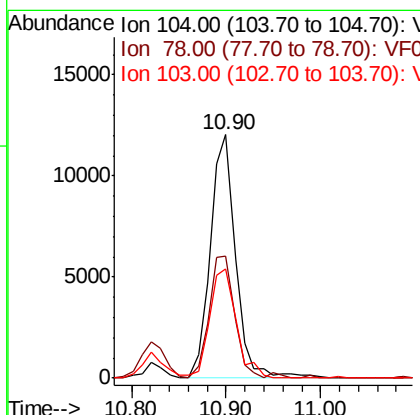
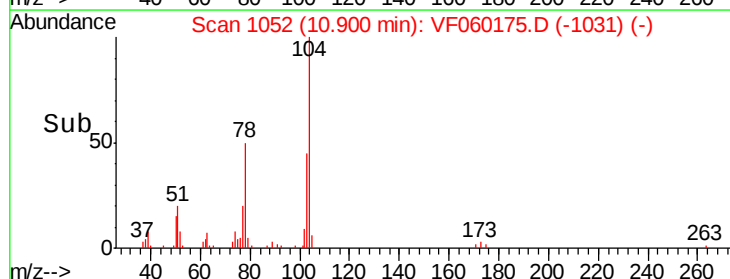
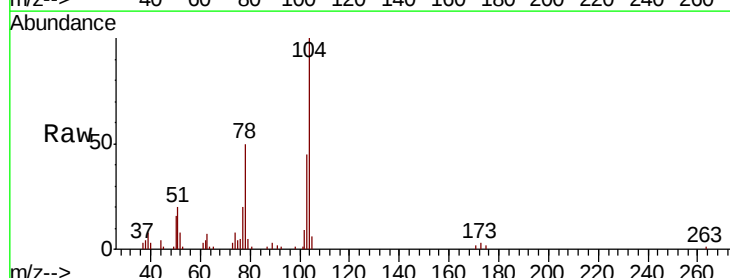
Manual Integrations
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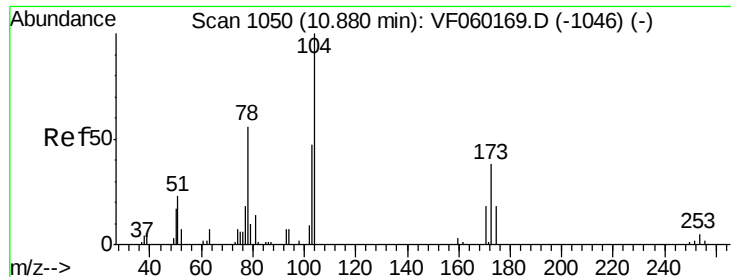
apatel
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#70
Styrene
Concen: 21.09 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion:104 Resp: 22451
Ion Ratio Lower Upper
104 100
78 50.3 42.6 64.0
103 44.7 36.8 55.2





#71

Bromoform

Concen: 18.14 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

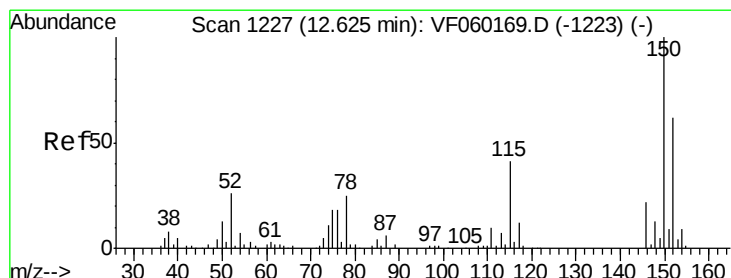
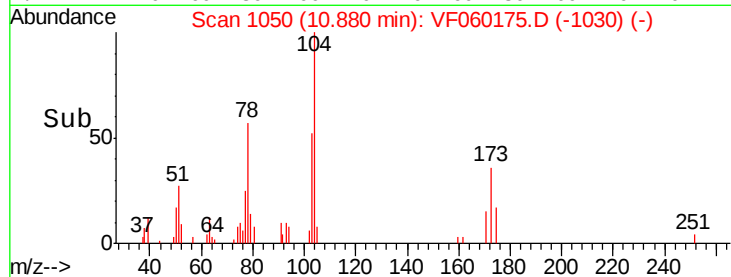
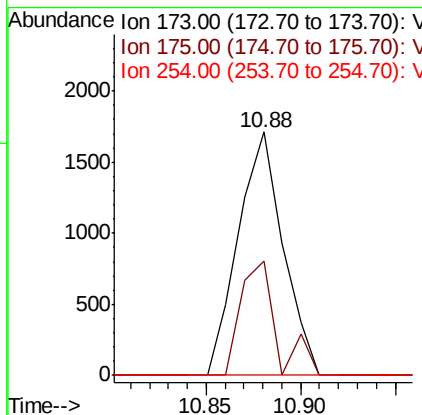
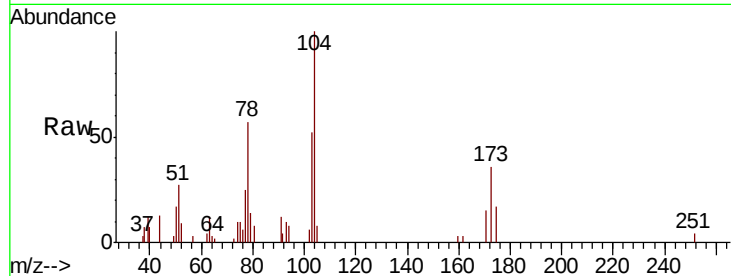
ClientSampleId :

VF0829SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.8	71.2
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

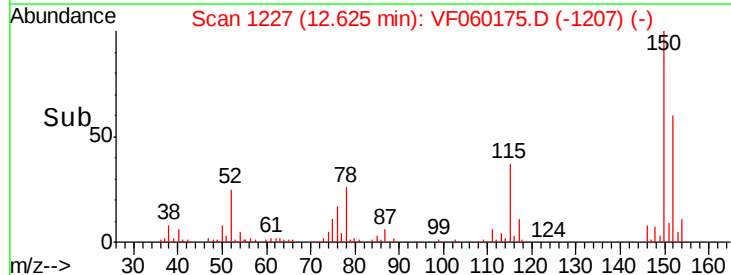
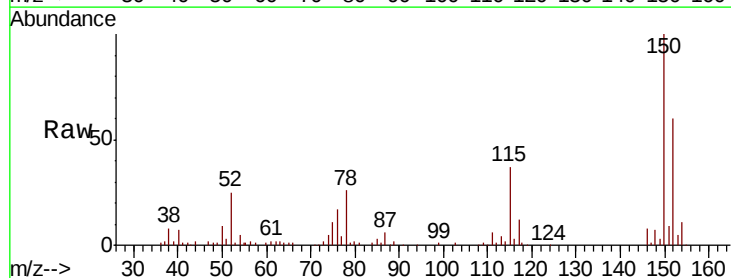
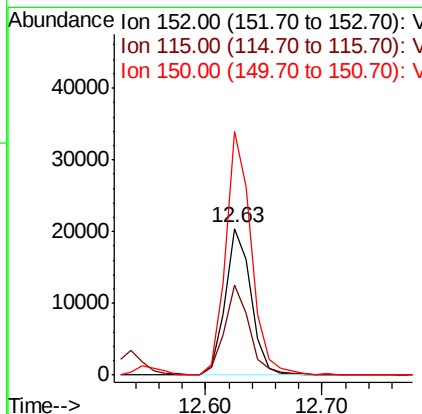
RT: 12.63 min Scan# 1227

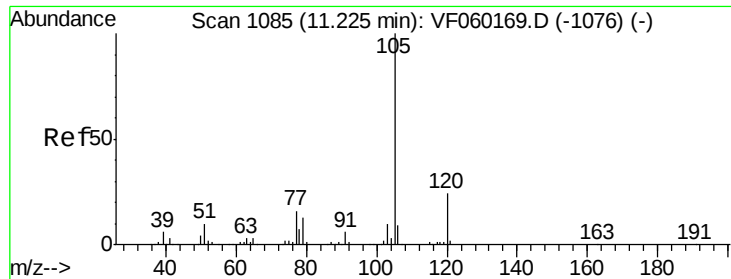
Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	33.2	99.6
150	166.2	0.0	325.6





#73

Isopropylbenzene

Concen: 21.98 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion:105 Resp: 75552

Ion Ratio Lower Upper

105 100

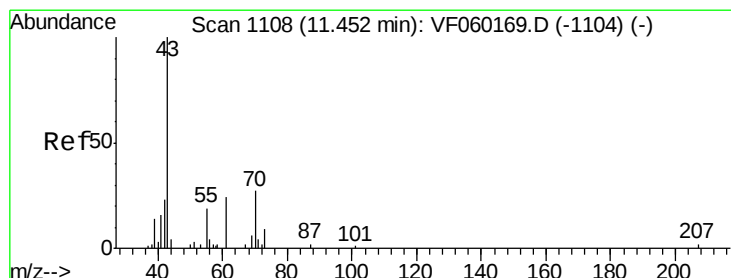
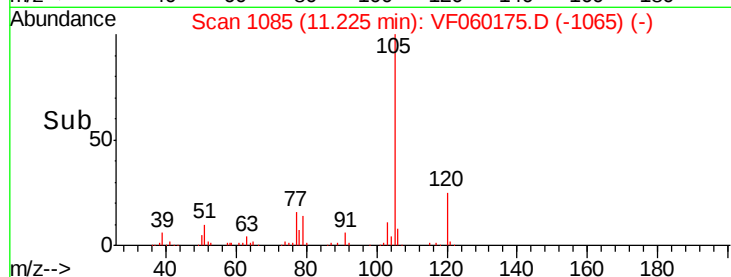
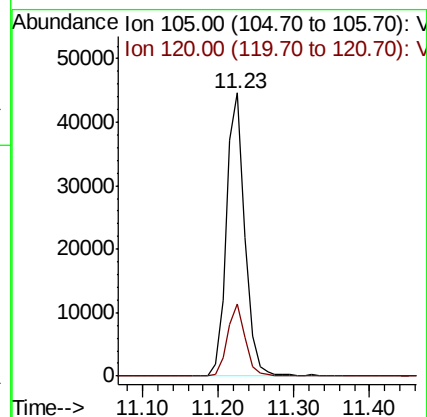
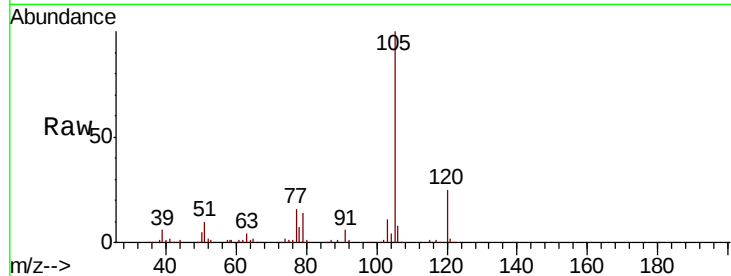
120 25.4 12.0 36.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 16.05 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tgt Ion: 43 Resp: 4129

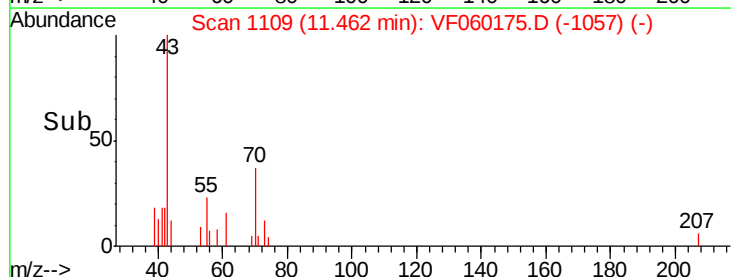
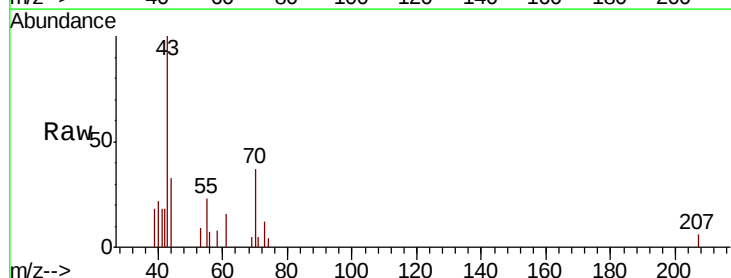
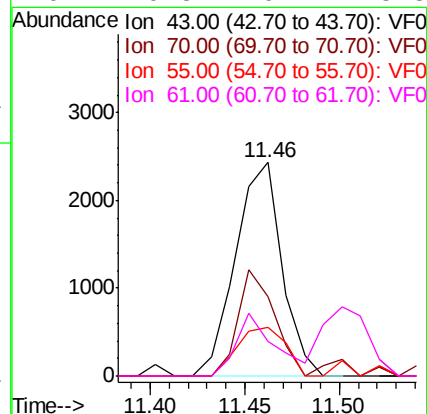
Ion Ratio Lower Upper

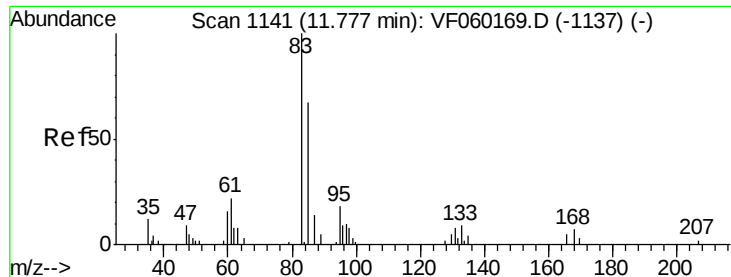
43 100

70 37.1 22.0 33.0#

55 22.6 15.2 22.8

61 16.3 19.2 28.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 17.97 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

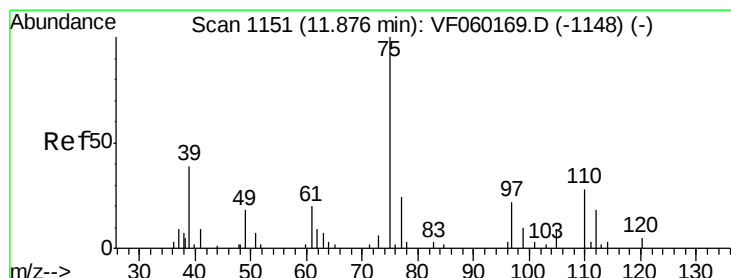
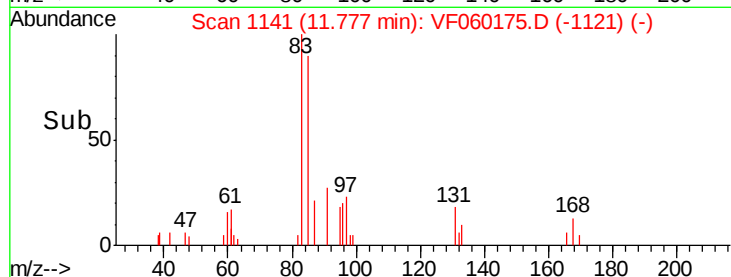
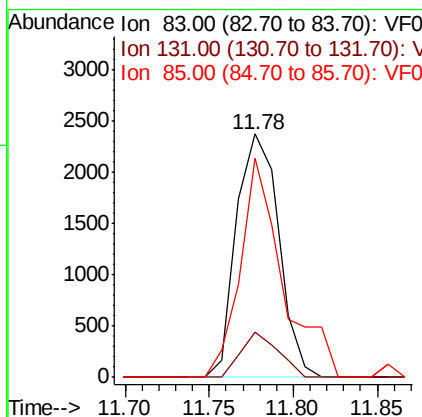
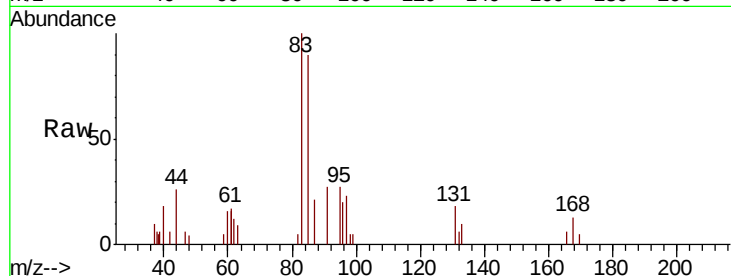
ClientSampleId :

VF0829SBS01

Tot Ion	83	Resp	4142
Ion Ratio	100	Lower	Upper
83	100		
131	18.4	4.0	12.0#
85	90.3	34.9	104.7

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#76

1,2,3-Trichloropropane

Concen: 19.74 ug/l

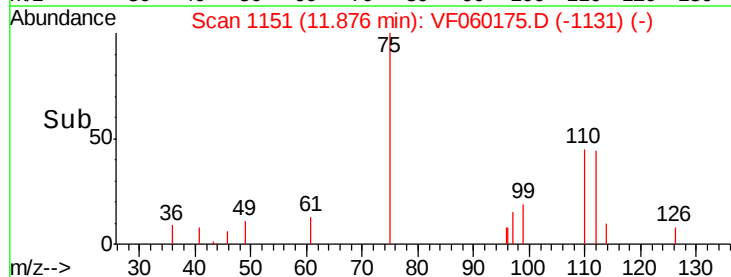
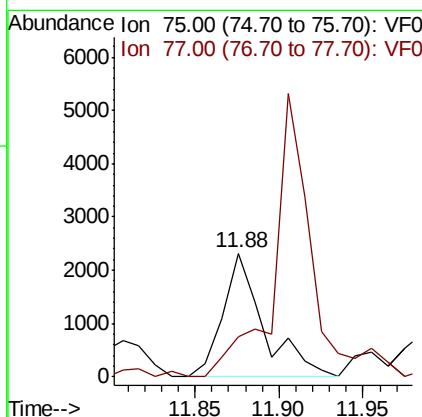
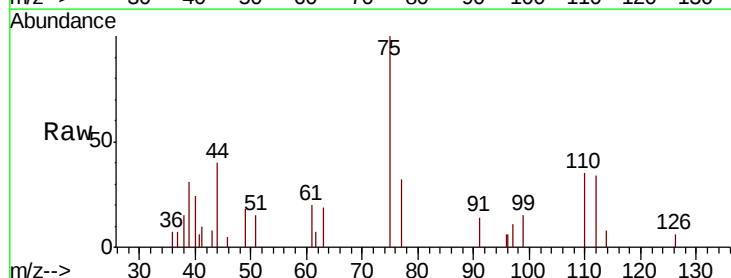
RT: 11.88 min Scan# 1151

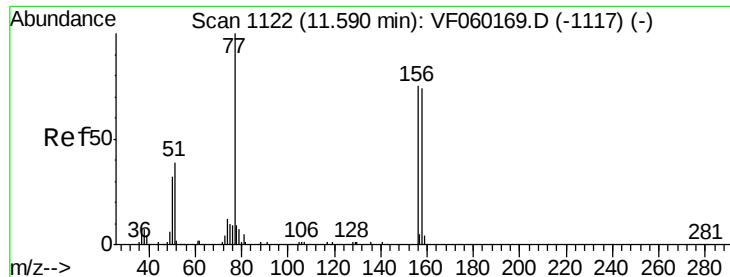
Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tgt Ion	75	Resp	3903
Ion Ratio	100	Lower	Upper
75	100		
77	31.9	12.8	38.3





#77

Bromobenzene

Concen: 19.95 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

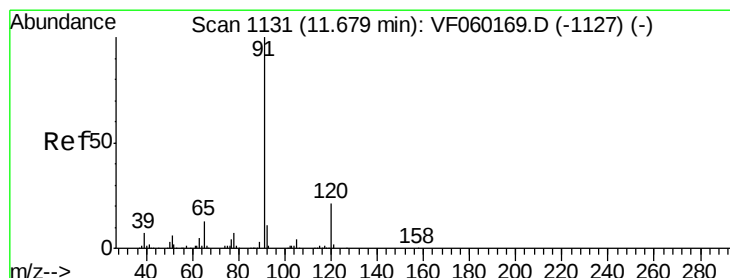
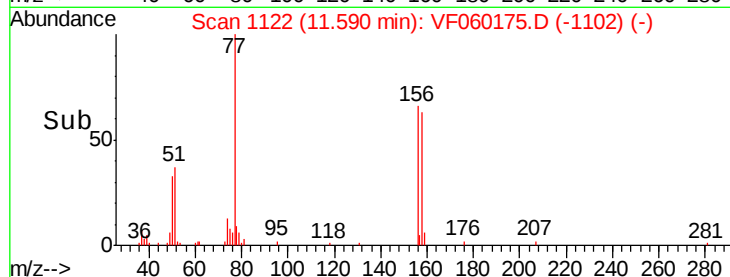
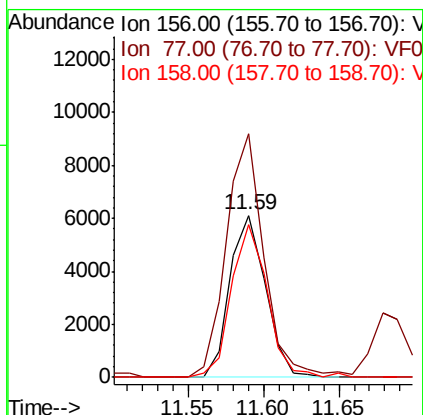
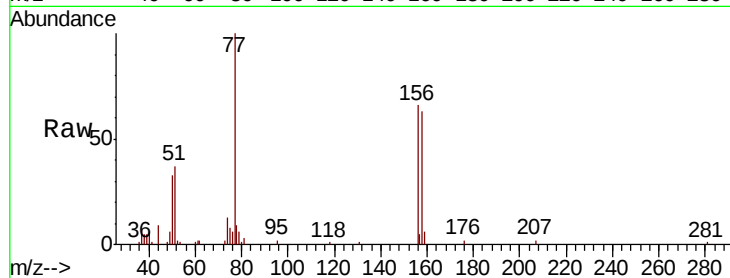
ClientSampleId :

VF0829SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	150.5	66.8	200.6	
158	94.2	49.7	149.1	

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#78

n-propylbenzene

Concen: 22.12 ug/l

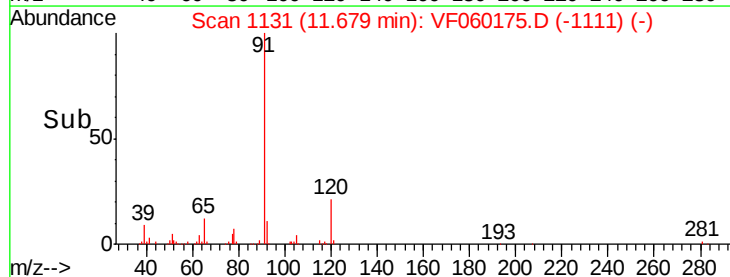
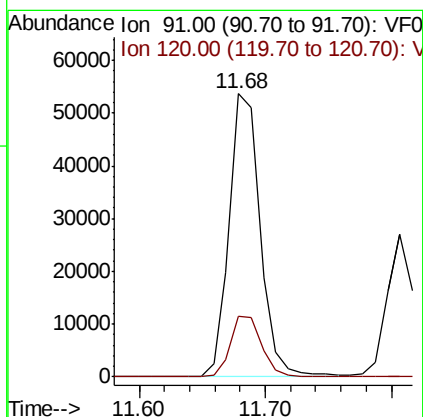
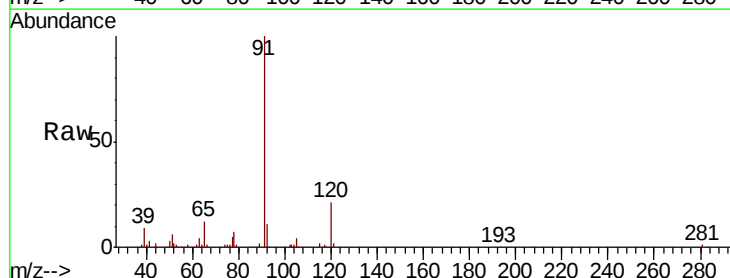
RT: 11.68 min Scan# 1131

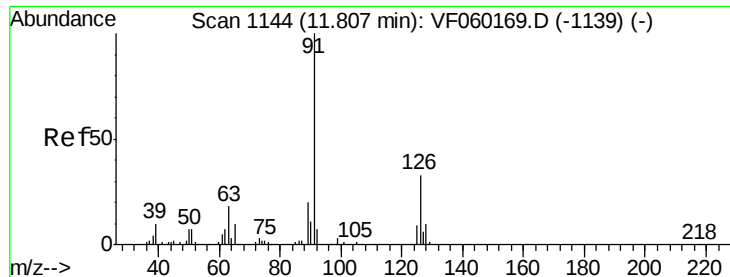
Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.4	10.8	32.3	





#79

2-Chlorotoluene

Concen: 21.29 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 91 Resp: 40940

Ion Ratio Lower Upper

91 100

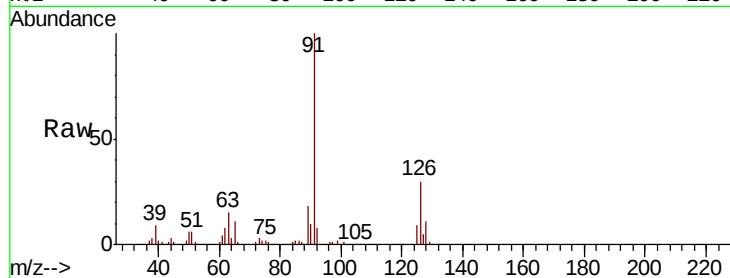
126 29.5 16.4 49.1

Manual Integrations

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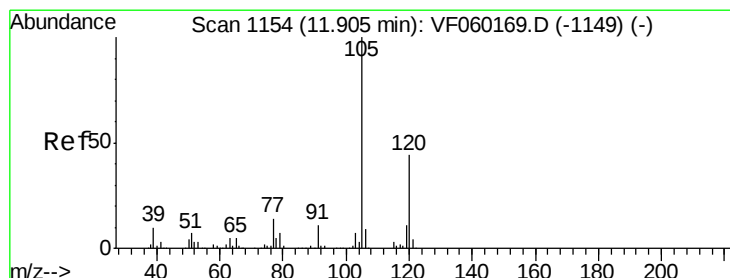
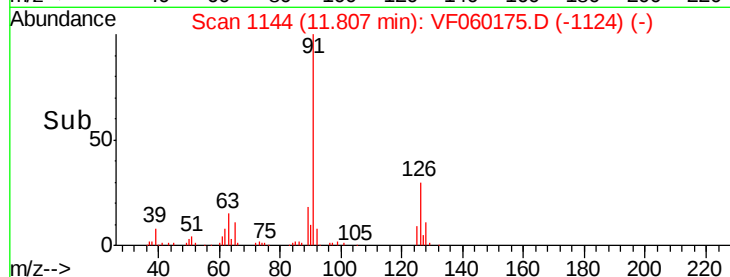
Abundance Ion 91.00 (90.70 to 91.70): VF060169.D (-1139) (-)

Ion 126.00 (125.70 to 126.70): VF060169.D (-1139) (-)

11.81

11.75 11.80 11.85

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.82 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF060175.D

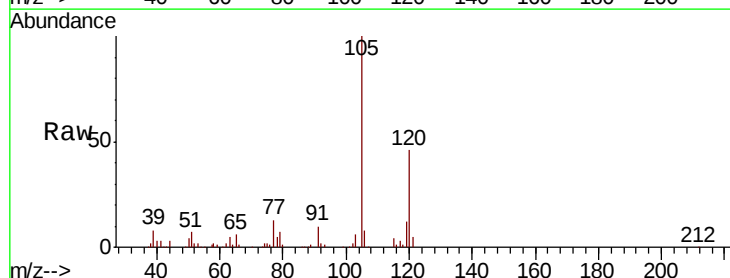
Acq: 29 Aug 2018 5:05

Tgt Ion: 105 Resp: 51623

Ion Ratio Lower Upper

105 100

120 46.0 22.1 66.1



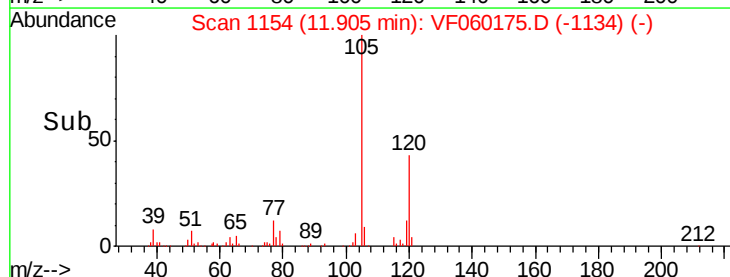
Abundance Ion 105.00 (104.70 to 105.70): VF060169.D (-1149) (-)

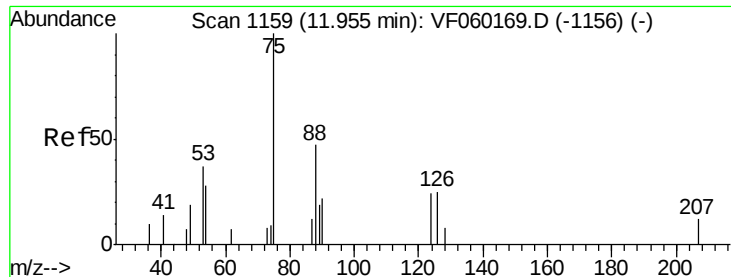
Ion 120.00 (119.70 to 120.70): VF060169.D (-1149) (-)

11.91

11.80 11.90 12.00

Time-->





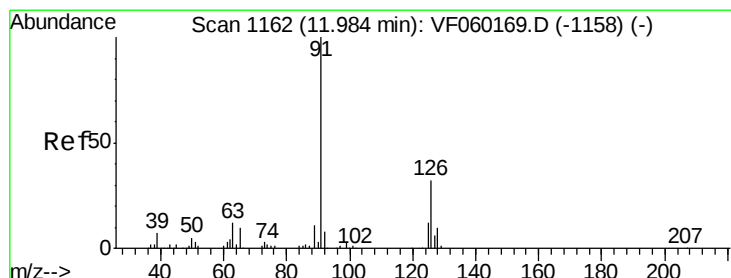
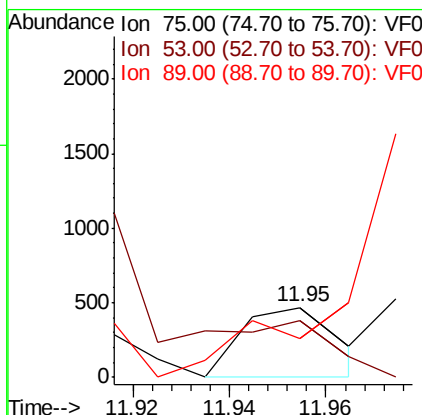
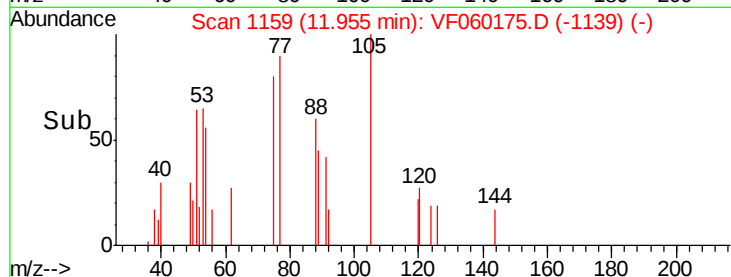
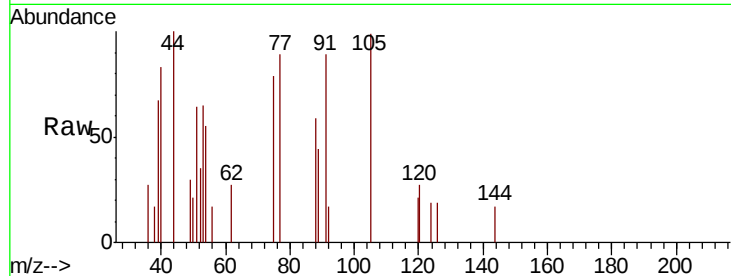
#81
trans-1,4-Dichloro-2-butene
Concen: 14.74 ug/l m
RT: 11.95 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion: 75 Resp: 640
Ion Ratio Lower Upper
75 100
53 81.3 53.4 80.0#
89 56.0 28.9 43.3#

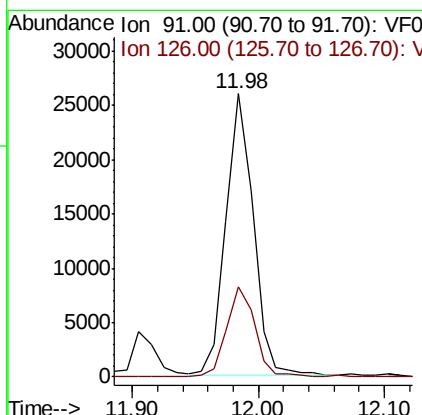
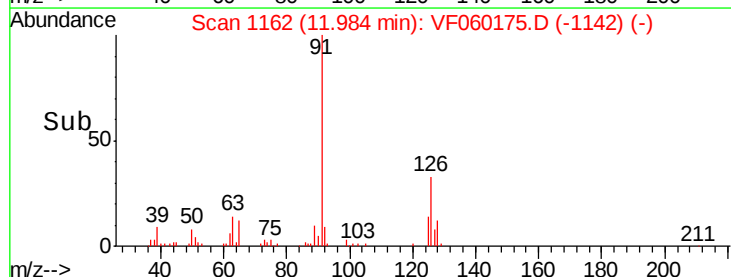
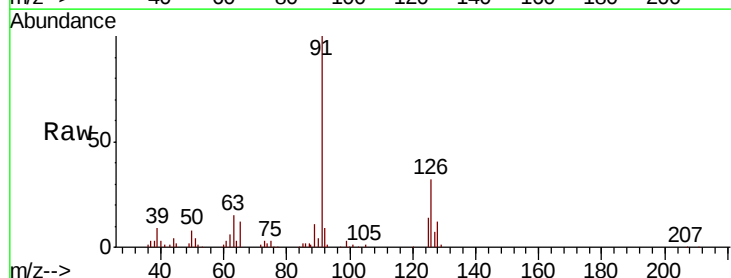
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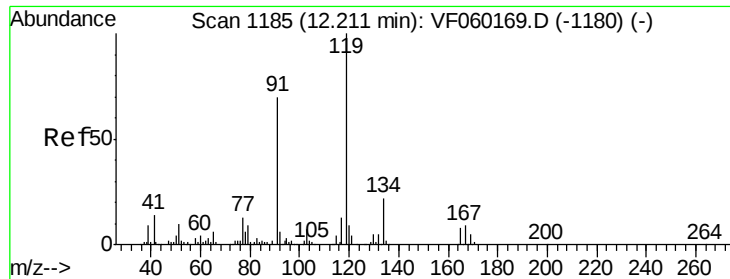
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#82
4-Chlorotoluene
Concen: 20.43 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion: 91 Resp: 38528
Ion Ratio Lower Upper
91 100
126 31.6 16.1 48.2





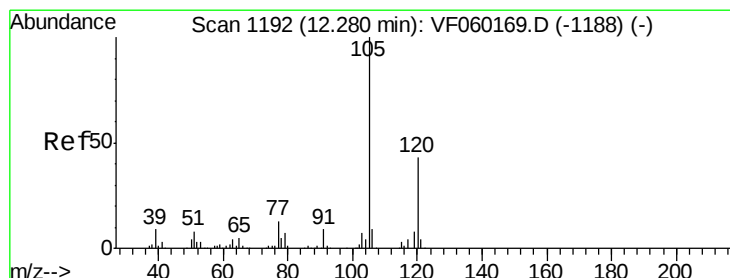
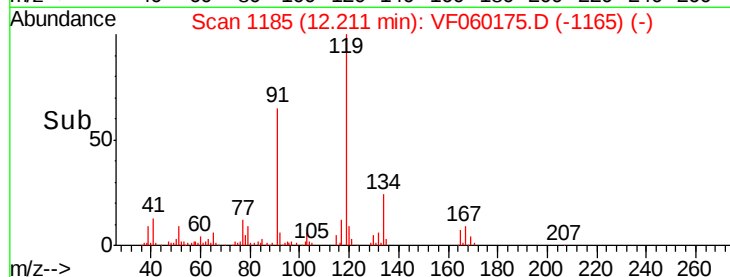
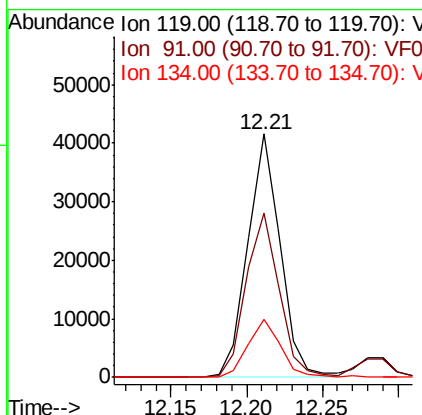
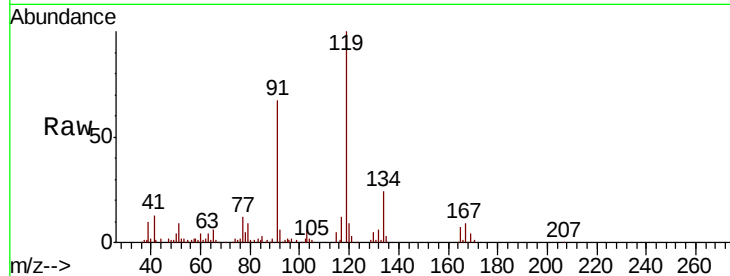
#83
 tert-Butylbenzene
 Concen: 22.96 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	35.3	105.7
134	23.8	11.2	33.5

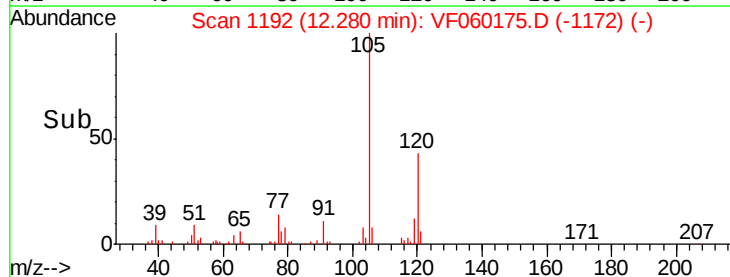
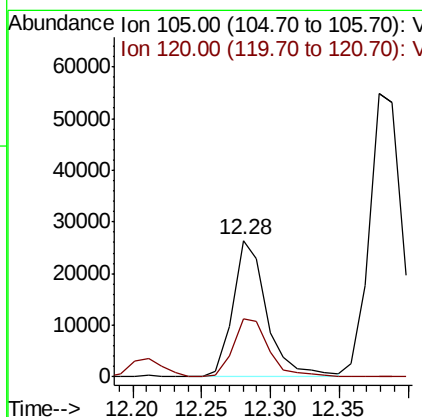
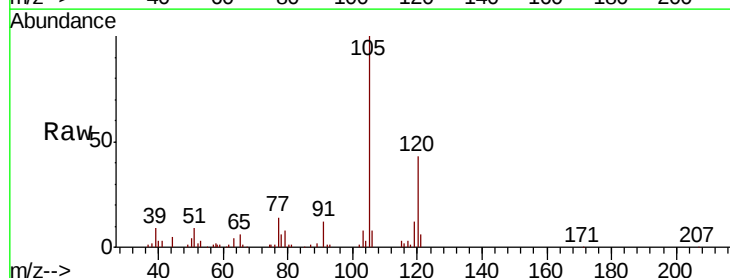
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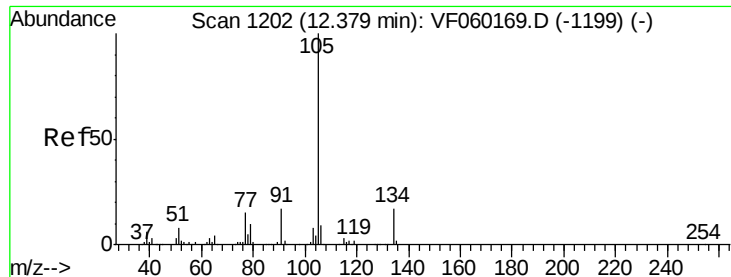
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.53 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.9	65.7





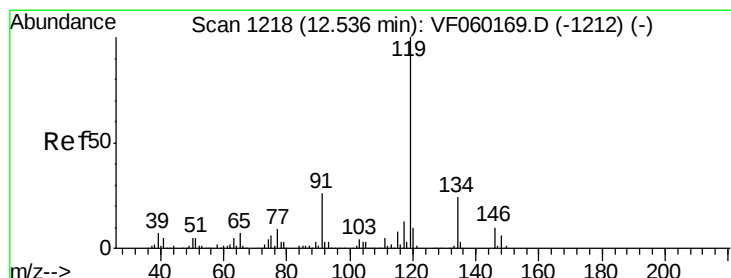
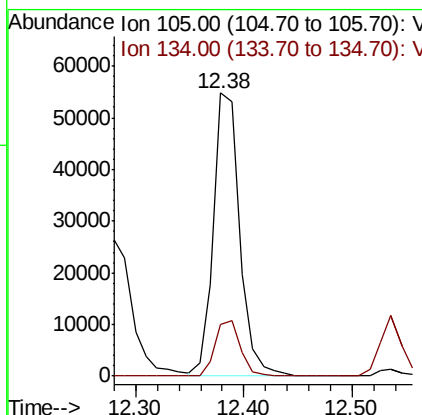
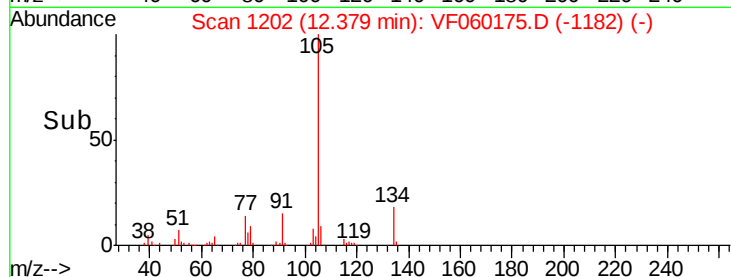
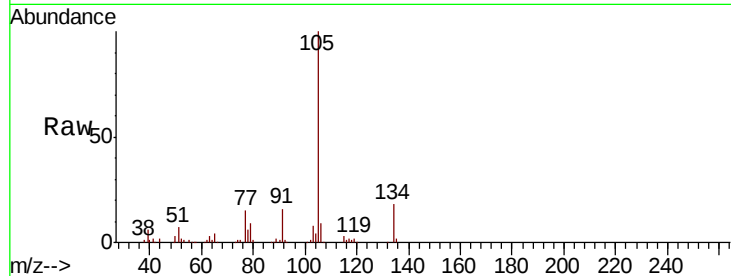
#85
 sec-Butylbenzene
 Concen: 22.82 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	93225		
134	18.4	8.4	25.2	

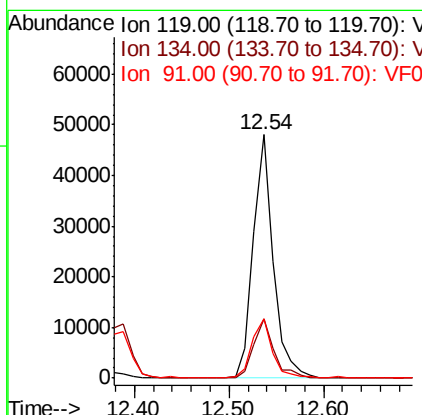
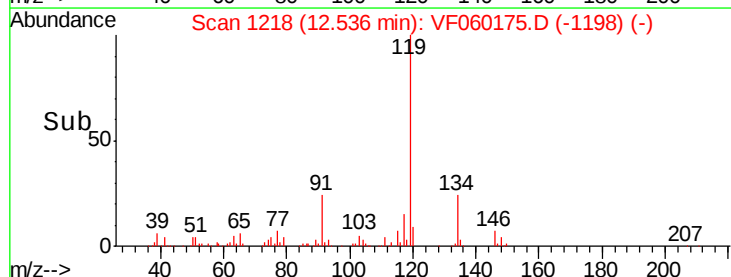
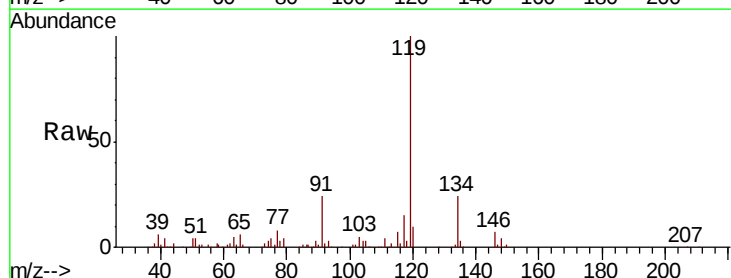
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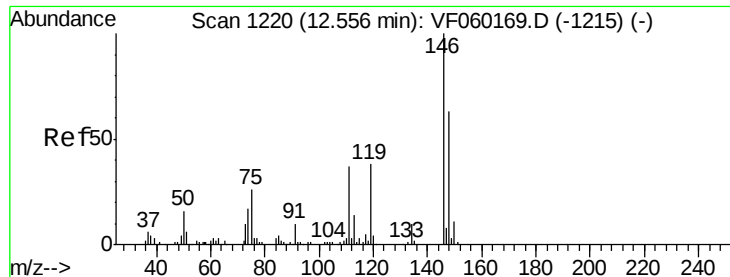
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#86
 p-Isopropyltoluene
 Concen: 23.21 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	70372		
134	24.5	11.9	35.9	
91	24.2	13.0	39.0	





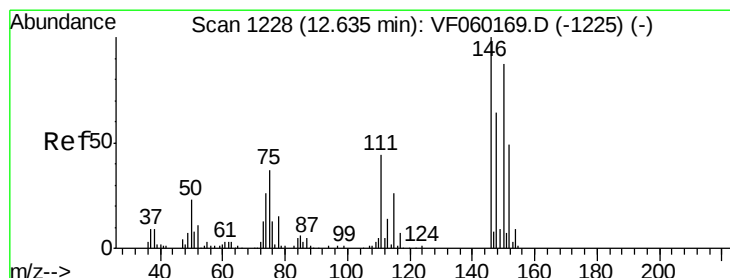
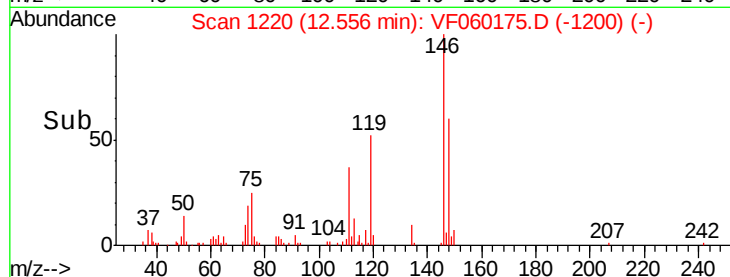
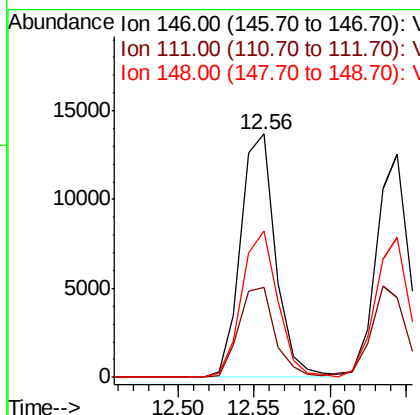
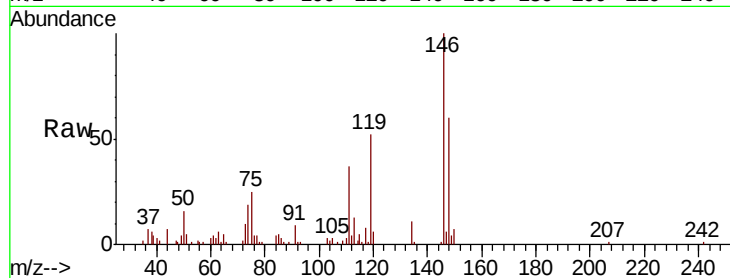
#87
 1,3-Dichlorobenzene
 Concen: 20.70 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.3
148	59.8	31.6	94.8

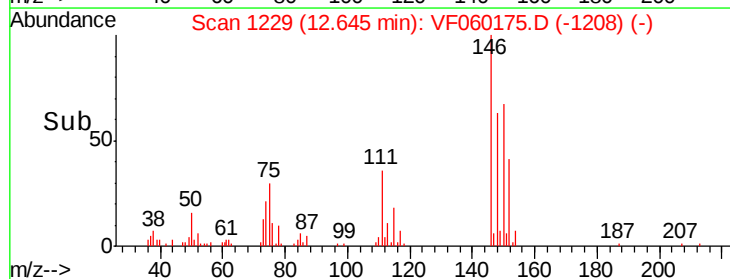
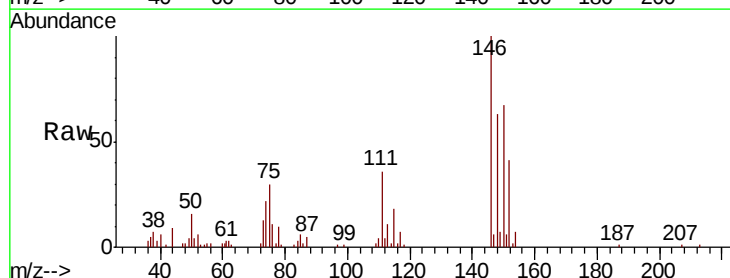
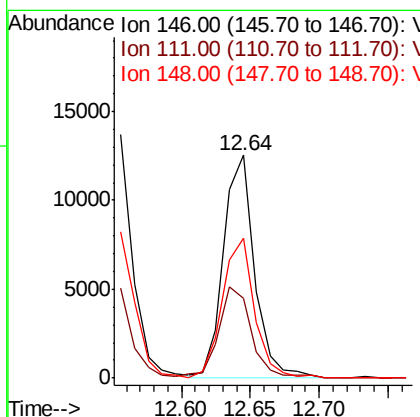
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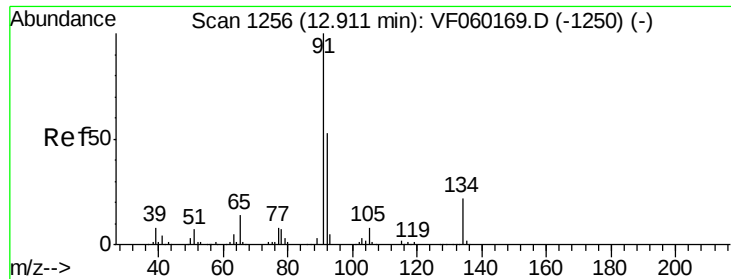
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#88
 1,4-Dichlorobenzene
 Concen: 20.32 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	22.1	66.3
148	62.9	32.0	96.2





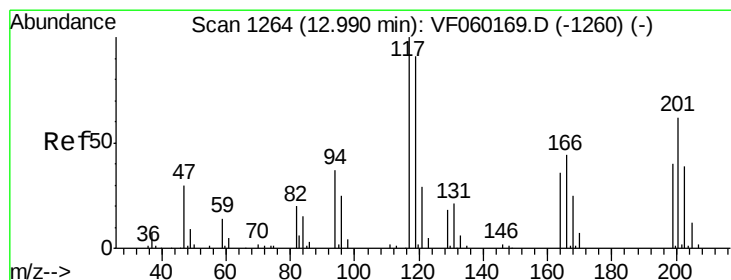
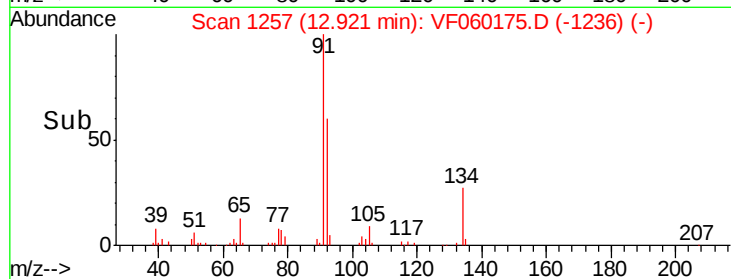
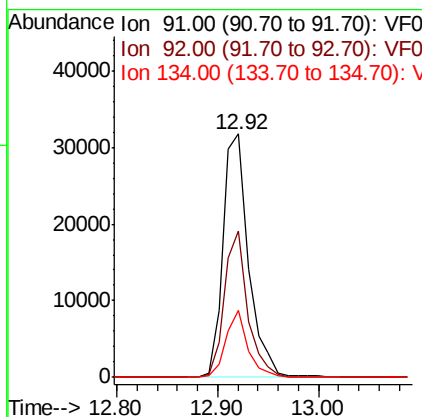
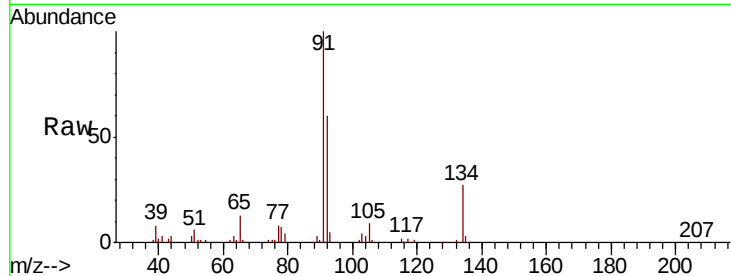
#89
n-Butylbenzene
Concen: 21.33 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.3	26.7	80.0
134	27.4	11.0	33.0

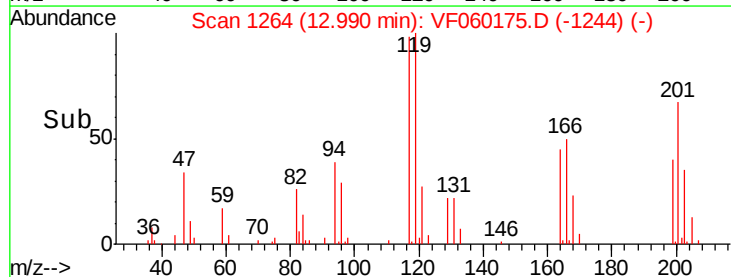
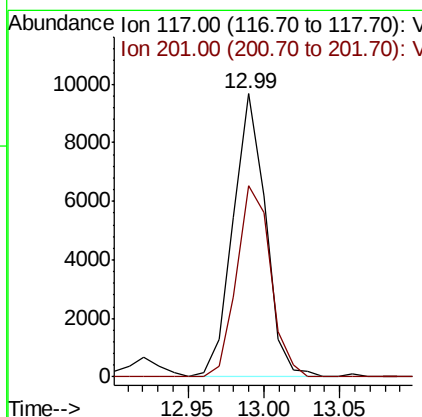
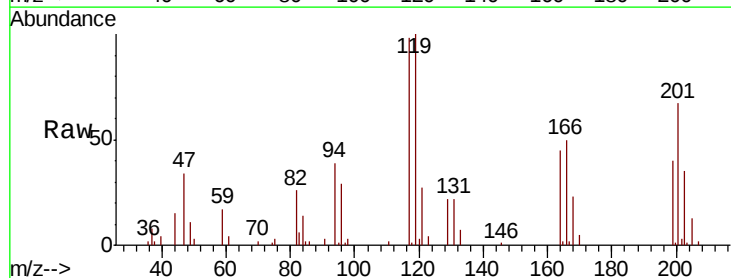
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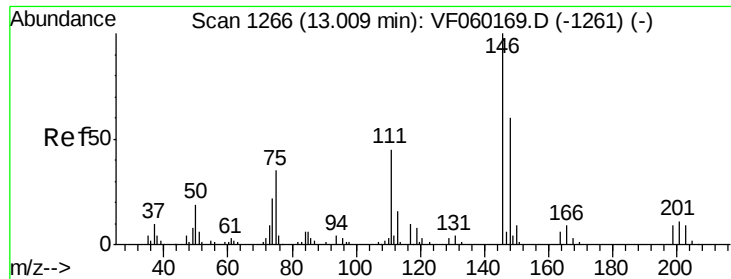
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#90
Hexachloroethane
Concen: 22.21 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF060175.D
Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.7	32.0	96.2





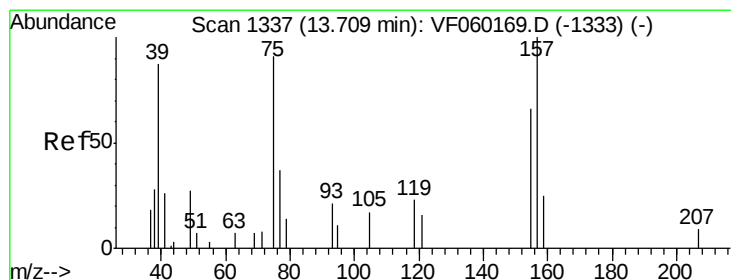
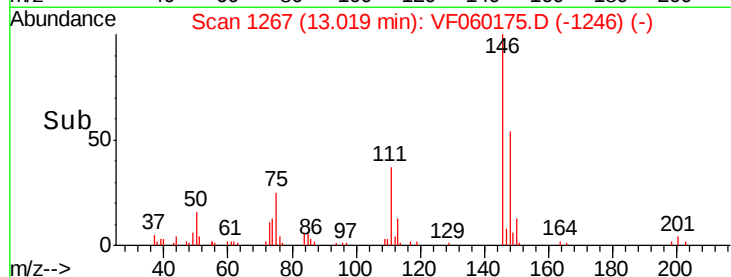
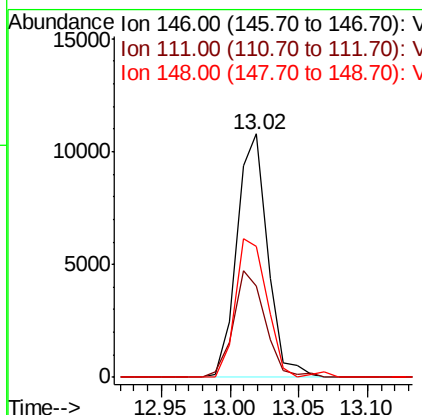
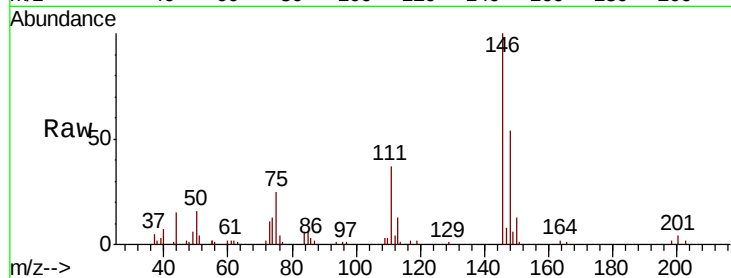
#91
 1,2-Dichlorobenzene
 Concen: 20.31 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	22.7	68.1
148	54.0	30.0	90.1

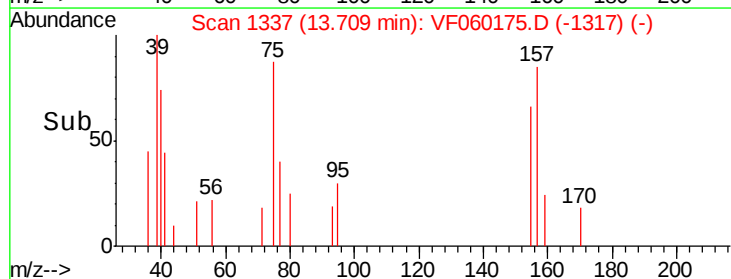
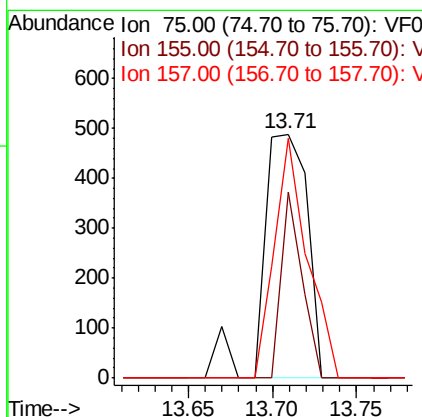
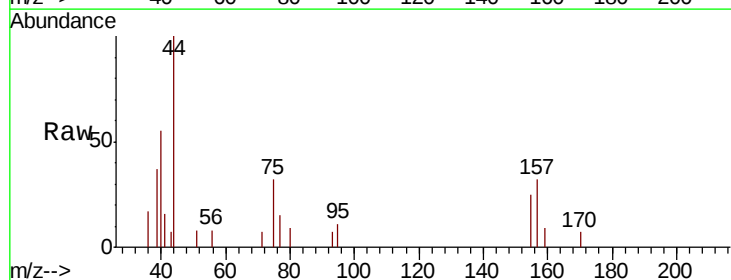
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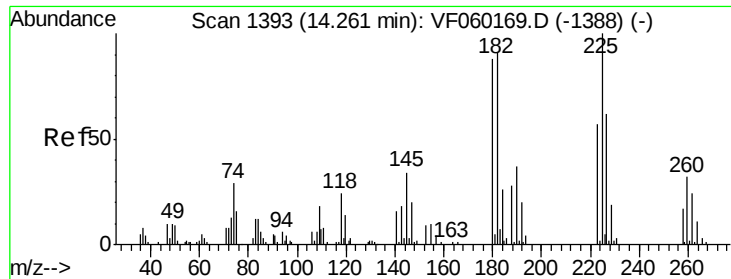
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.26 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	36.0	108.0
157	98.6	54.9	164.5





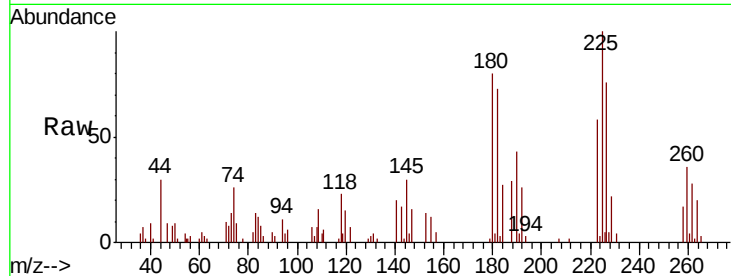
#93
 1,2,4-Trichlorobenzene
 Concen: 19.20 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	6832		
182	91.4	51.8	155.5	
145	37.0	19.3	57.9	

Manual Integrations
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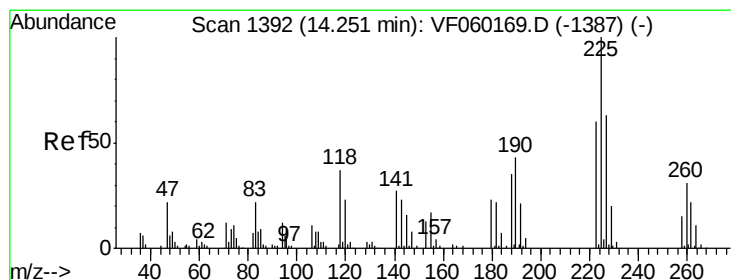
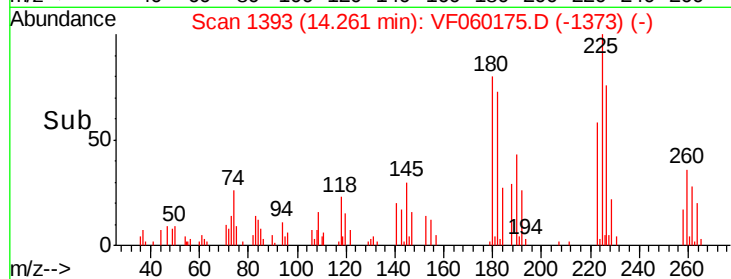
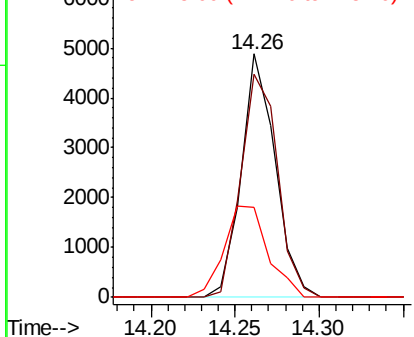


Abundance

Ion 180.00 (179.70 to 180.70): V

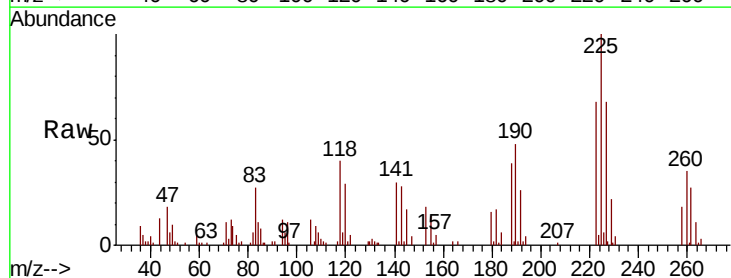
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 19.95 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF060175.D
 Acq: 29 Aug 2018 5:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14602		
223	68.0	30.0	90.0	
227	70.0	31.4	94.2	

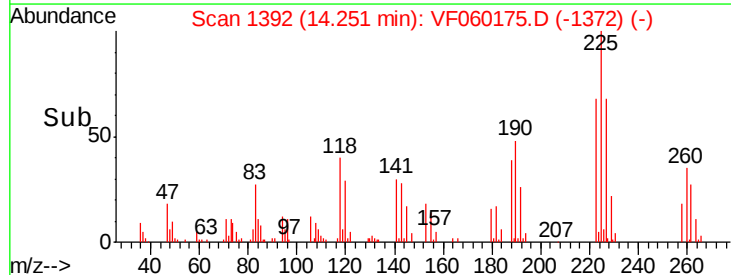
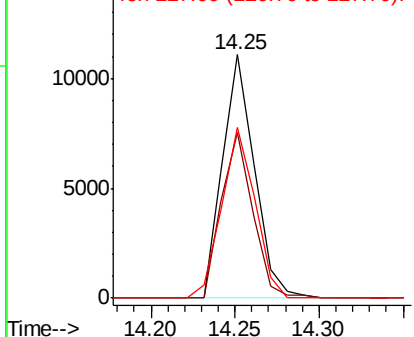


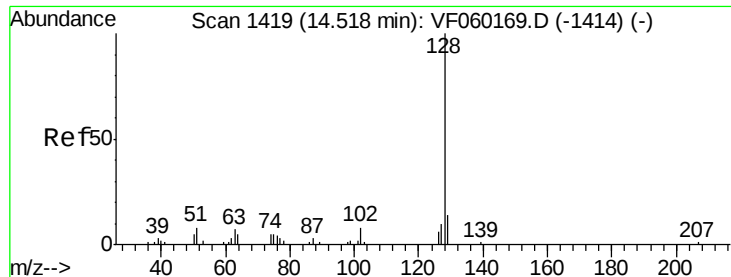
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 19.42 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Instrument :

MSVOA_F

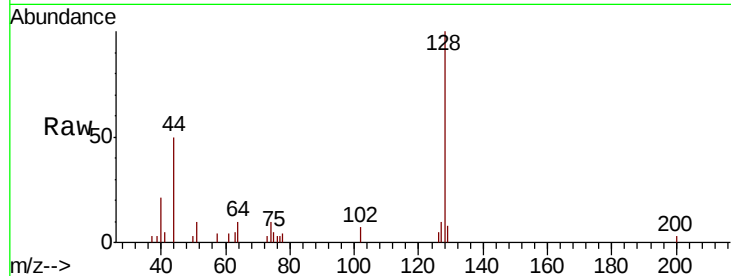
ClientSampleId :

VF0829SBS01

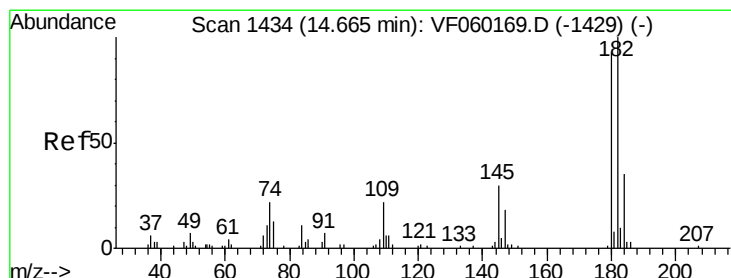
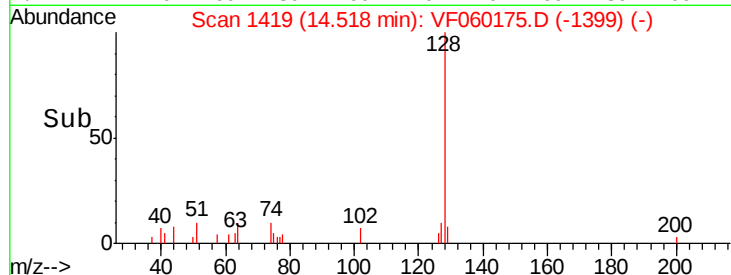
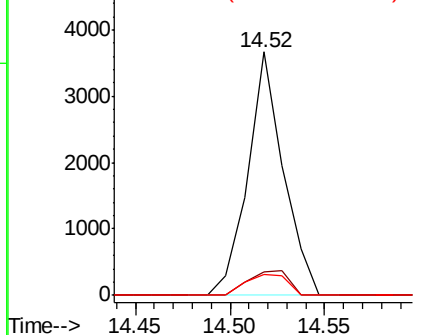
Tot Ion:	128	Resp:	4782
Ion	Ratio	Lower	Upper
128	100		
127	9.9	8.3	12.5
129	8.5	11.5	17.3#

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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: 18.07 ug/l

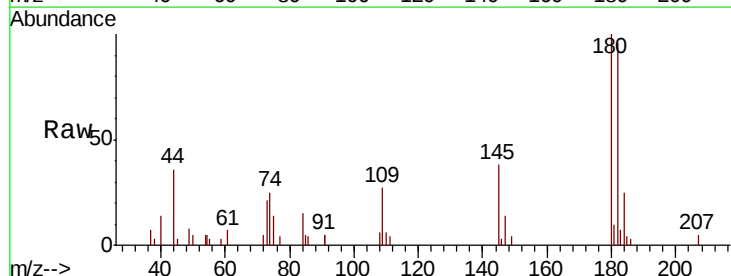
RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF060175.D

Acq: 29 Aug 2018 5:05

Tgt Ion:	180	Resp:	4924
Ion	Ratio	Lower	Upper
180	100		
182	95.9	53.6	160.8
145	37.7	16.2	48.6



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

