

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060168.D
 Acq On : 29 Aug 2018 00:59
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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apatel
 8/29/2018 2:02:04 PM

Quant Time: Aug 29 02:23:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 02:08:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	78750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	90465	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	71854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	35081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	9154	9.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.52%	
35) Dibromofluoromethane	4.28	113	11676	16.86	ug/l	0.01
Spiked Amount	50.000		Recovery	=	33.72%	
50) Toluene-d8	7.70	98	38737	19.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.16%	
62) 4-Bromofluorobenzene	11.51	95	13257	13.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	29279	25.45	ug/l	94
3) Chloromethane	1.08	50	11243	15.07	ug/l	95
4) Vinyl Chloride	1.13	62	12001	18.75	ug/l	90
5) Bromomethane	1.32	94	5084	11.11	ug/l #	68
6) Chloroethane	1.40	64	7344	26.80	ug/l #	86
7) Trichlorofluoromethane	1.49	101	54541	35.66	ug/l	99
8) Diethyl Ether	1.69	74	1957	9.36	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.86	101	23858	30.97	ug/l	99
10) Methyl Iodide	1.93	142	10399	12.47	ug/l	93
11) Tert butyl alcohol	2.60	59	732	14.93	ug/l #	72
12) 1,1-Dichloroethene	1.83	96	15135	27.88	ug/l	78
13) Acrolein	2.07	56	1095	44.17	ug/l #	68
14) Allyl chloride	2.18	41	11659	13.73	ug/l	97
15) Acrylonitrile	3.05	53	2272	22.87	ug/l #	84
16) Acetone	2.31	43	6668	27.17	ug/l #	90
17) Carbon Disulfide	1.85	76	43284	25.26	ug/l	99
18) Methyl Acetate	2.43	43	2731	5.66	ug/l #	61
19) Methyl tert-butyl Ether	2.51	73	10648	7.50	ug/l #	62
20) Methylene Chloride	2.28	84	8253	13.19	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	12516	21.47	ug/l	91
22) Diisopropyl ether	2.89	45	22288	12.23	ug/l	93
23) Vinyl Acetate	3.30	43	23981	26.40	ug/l	97
24) 1,1-Dichloroethane	2.99	63	20834	17.30	ug/l	97
25) 2-Butanone	4.48	43	6083	19.20	ug/l #	77
26) 2,2-Dichloropropane	3.75	77	13505	11.30	ug/l	90
27) cis-1,2-Dichloroethene	3.62	96	8766	11.88	ug/l	94
28) Bromochloromethane	3.88	49	4471	9.47	ug/l #	70
29) Tetrahydrofuran	4.23	42	2582	21.36	ug/l #	86
30) Chloroform	4.01	83	25028	15.30	ug/l	95
31) Cyclohexane	3.86	56	18547	19.08	ug/l #	93
32) 1,1,1-Trichloroethane	4.26	97	35055	23.01	ug/l #	86
36) 1,1-Dichloropropene	4.45	75	22791	24.95	ug/l	95
37) Ethyl Acetate	4.24	43	2897	6.44	ug/l #	18
38) Carbon Tetrachloride	4.16	117	31411	27.96	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	22874	25.64	ug/l	88
40) Benzene	4.80	78	33083	18.02	ug/l	98
41) Methacrylonitrile	4.89	41	2030	8.83	ug/l #	75
42) 1,2-Dichloroethane	5.11	62	11242	12.10	ug/l	99
43) Isopropyl Acetate	7.10	43	3548	6.33	ug/l #	86
44) Trichloroethene	5.66	130	15331	24.04	ug/l	90
45) 1,2-Dichloropropane	6.39	63	6522	13.17	ug/l	92
46) Dibromomethane	6.24	93	3612	9.63	ug/l #	77
47) Bromodichloromethane	6.54	83	13779	14.61	ug/l	92
48) Methyl methacrylate	6.85	41	2652	7.09	ug/l	93
49) 1,4-Dioxane	6.84	88	344	97.15	ug/l #	55
51) 4-Methyl-2-Pentanone	8.39	43	17353	35.58	ug/l	98
52) Toluene	7.77	92	26660	19.54	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	7423	9.02	ug/l	90
54) cis-1,3-Dichloropropene	7.44	75	9324	10.17	ug/l #	86
55) 1,1,2-Trichloroethane	8.62	97	4219	9.38	ug/l	89
56) Ethyl methacrylate	8.76	69	3566	6.70	ug/l #	65
57) 1,3-Dichloropropane	8.99	76	7437	9.41	ug/l #	83
58) 2-Chloroethyl Vinyl ether	7.77	63	5571	111.50	ug/l	100
59) 2-Hexanone	9.62	43	10943	27.91	ug/l	97
60) Dibromochloromethane	8.84	129	7408	10.94	ug/l	85
61) 1,2-Dibromoethane	9.12	107	4719	8.96	ug/l #	77
64) Tetrachloroethene	8.29	164	17357	31.29	ug/l	93
65) Chlorobenzene	9.93	112	29068	21.16	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	11013	21.37	ug/l	84
67) Ethyl Benzene	10.04	91	66871	26.21	ug/l	94
68) m/p-Xylenes	10.26	106	47573	49.86	ug/l	81
69) o-Xylene	10.83	106	19308	20.75	ug/l	97
70) Styrene	10.89	104	23893	17.23	ug/l	91
71) Bromoform	10.88	173	3756	11.35	ug/l	78
73) Isopropylbenzene	11.22	105	80629	33.04	ug/l	100
74) N-amyl acetate	11.46	43	5356	9.19	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.78	83	5278	12.50	ug/l	89
76) 1,2,3-Trichloropropane	11.88	75	5215	15.54	ug/l	91
77) Bromobenzene	11.58	156	11890	20.79	ug/l	93
78) n-propylbenzene	11.68	91	96850	32.48	ug/l	99
79) 2-Chlorotoluene	11.81	91	43308	26.25	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	62169	30.51	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	1284m	8.90	ug/l	
82) 4-Chlorotoluene	11.98	91	45885	26.24	ug/l	91
83) tert-Butylbenzene	12.21	119	64649	32.21	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	48632	23.43	ug/l	98
85) sec-Butylbenzene	12.38	105	95917	33.23	ug/l	94
86) p-Isopropyltoluene	12.54	119	66402	28.42	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	25417	23.41	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	22060	20.76	ug/l	95
89) n-Butylbenzene	12.92	91	50757	23.18	ug/l	97
90) Hexachloroethane	12.99	117	15073	29.21	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	18654	18.57	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	886	10.40	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	6919	10.04	ug/l	90
94) Hexachlorobutadiene	14.25	225	16395	30.94	ug/l	92
95) Naphthalene	14.52	128	5305	5.43	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.66	180	5699	8.83	ug/l	80

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

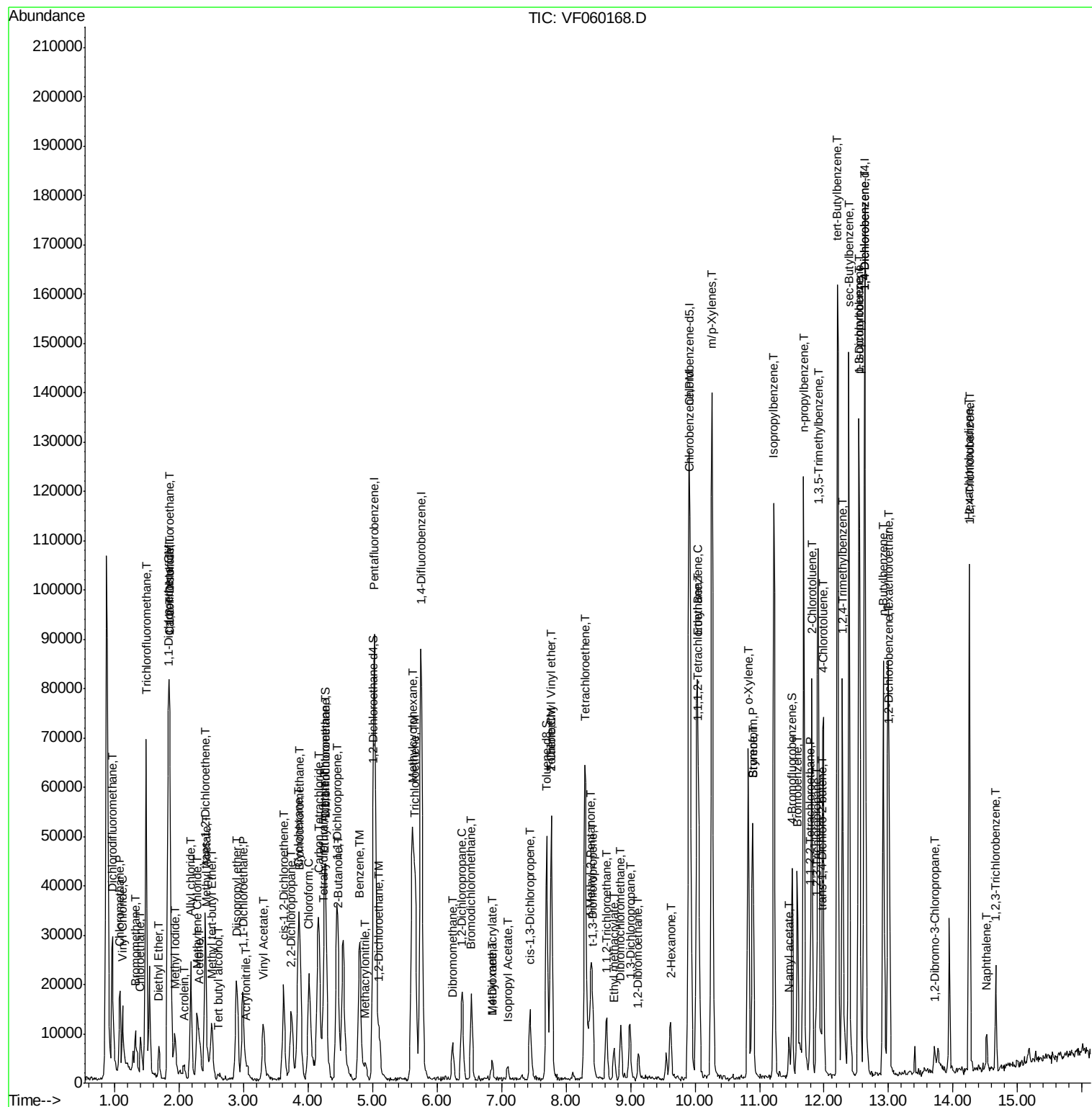
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082918\
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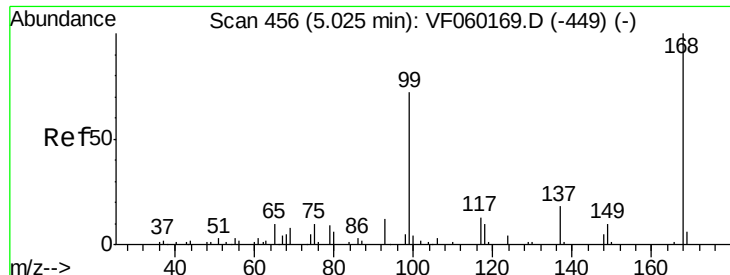
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 78750

Ion Ratio Lower Upper

168 100

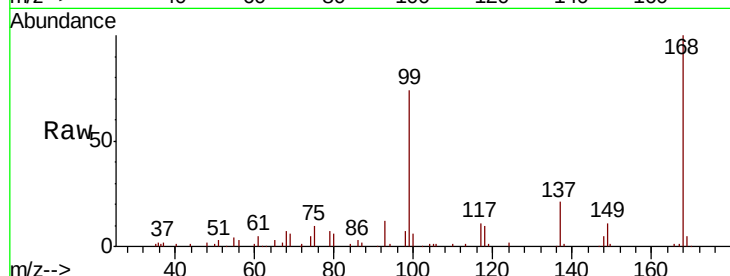
99 74.5 57.9 86.9

Manual Integrations

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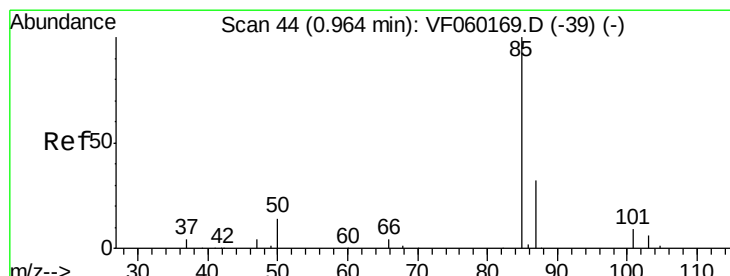
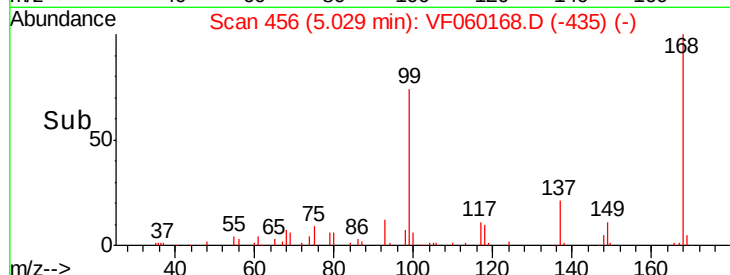


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

Time-->



#2

Dichlorodifluoromethane

Concen: 25.45 ug/l

RT: 0.97 min Scan# 44

Delta R.T. 0.00 min

Lab File: VF060168.D

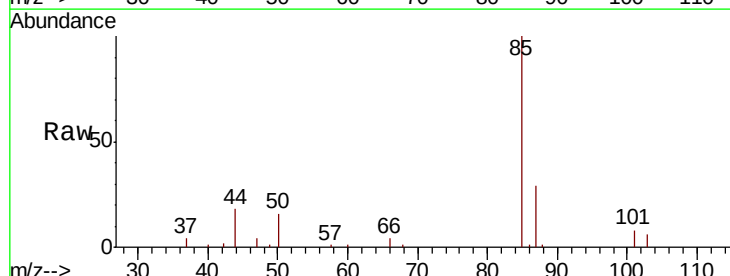
Acq: 29 Aug 2018 00:59

Tgt Ion: 85 Resp: 29279

Ion Ratio Lower Upper

85 100

87 28.6 15.9 47.7

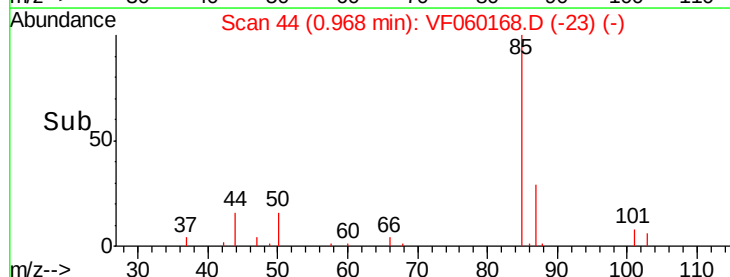


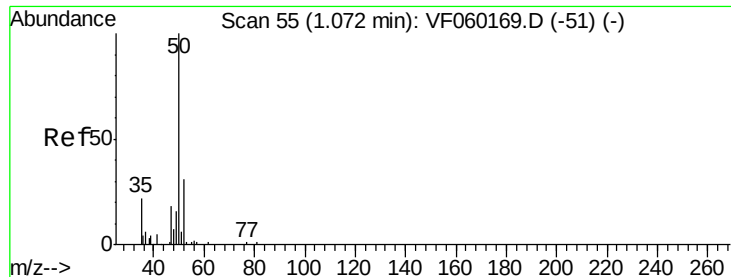
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

Time-->





#3

Chloromethane

Concen: 15.07 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 11243

Ion Ratio Lower Upper

50 100

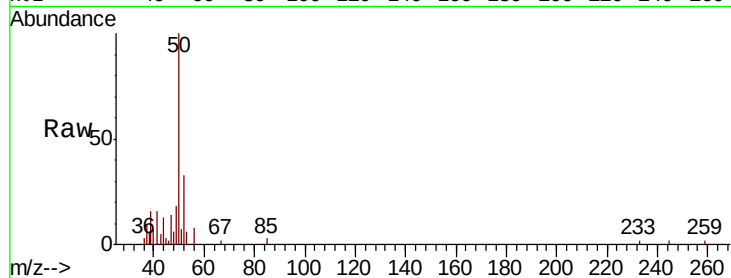
52 33.0 24.4 36.6

Manual Integrations

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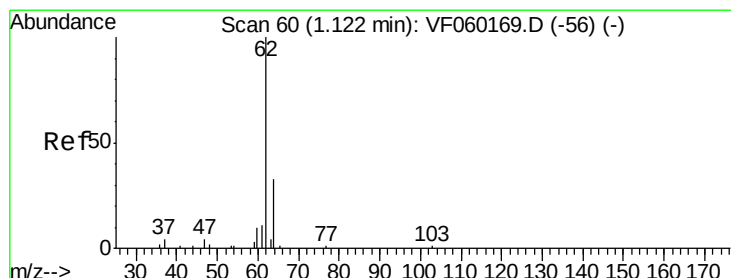
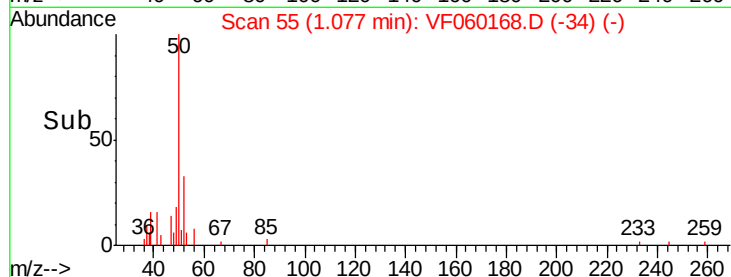
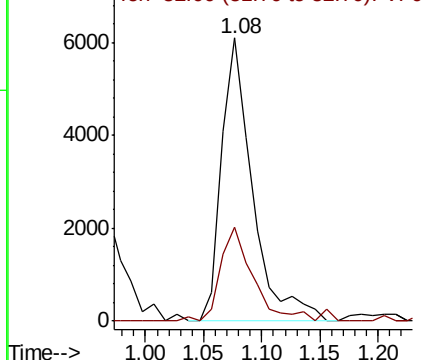
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 18.75 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060168.D

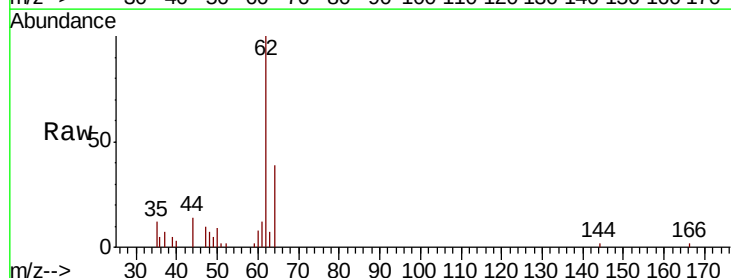
Acq: 29 Aug 2018 00:59

Tgt Ion: 62 Resp: 12001

Ion Ratio Lower Upper

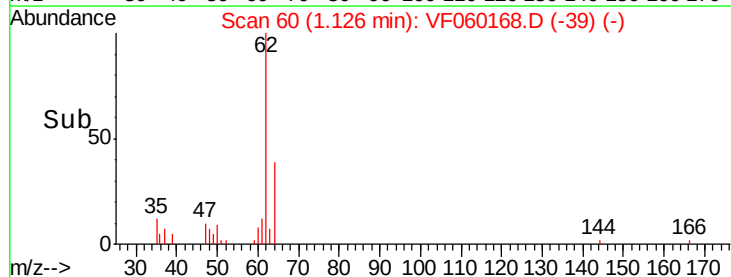
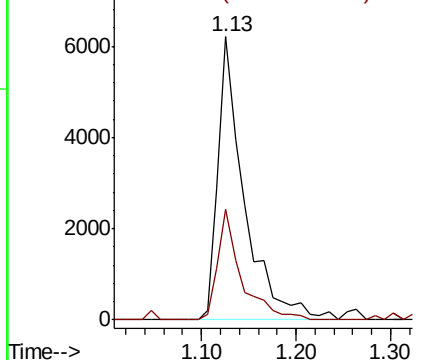
62 100

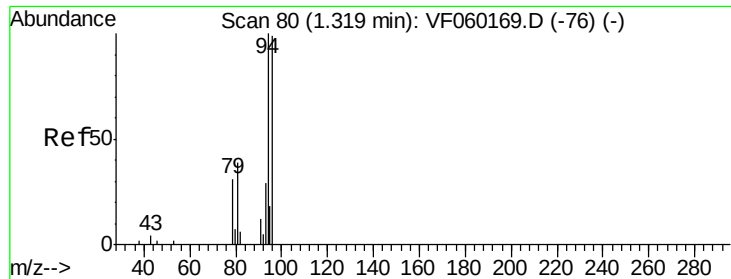
64 38.9 26.6 39.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 11.11 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

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Acq: 29 Aug 2018 00:59

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Tot Ion: 94 Resp: 5084

Ion Ratio Lower Upper

94 100

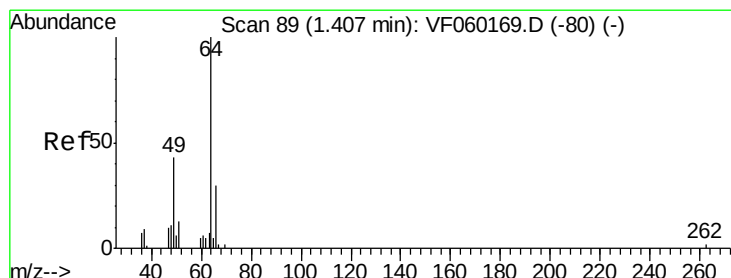
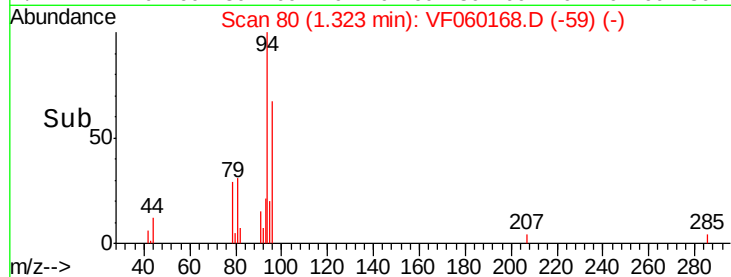
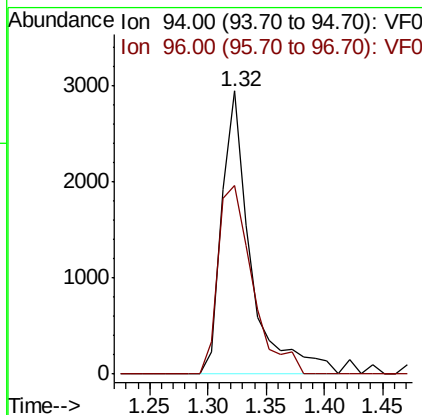
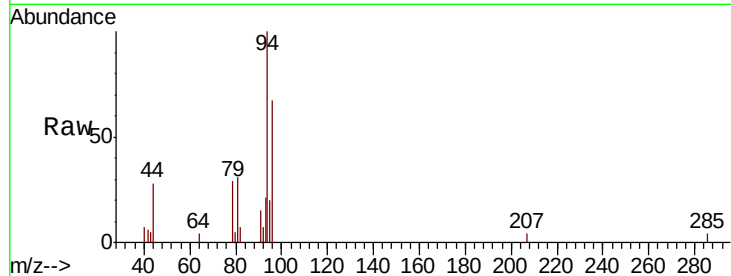
96 66.8 79.0 118.4#

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#6

Chloroethane

Concen: 26.80 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF060168.D

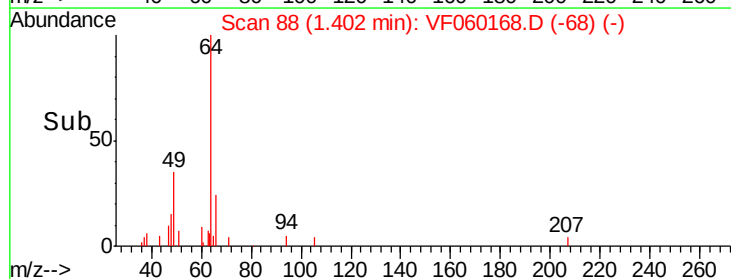
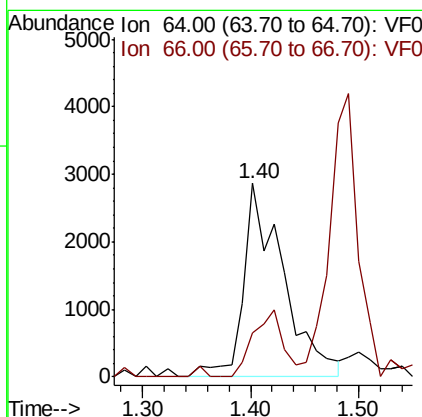
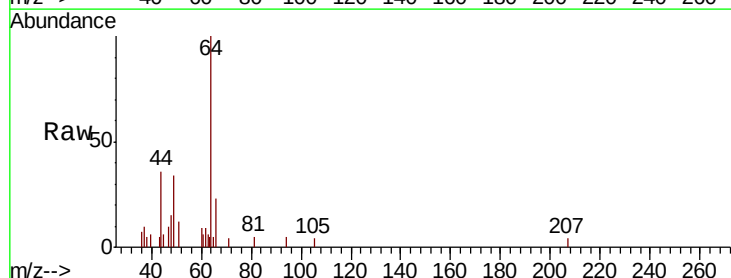
Acq: 29 Aug 2018 00:59

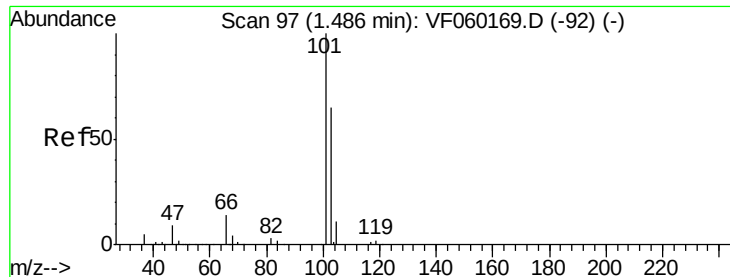
Tgt Ion: 64 Resp: 7344

Ion Ratio Lower Upper

64 100

66 22.7 24.2 36.4#





#7

Trichlorofluoromethane

Concen: 35.66 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 54541

Ion Ratio Lower Upper

101 100

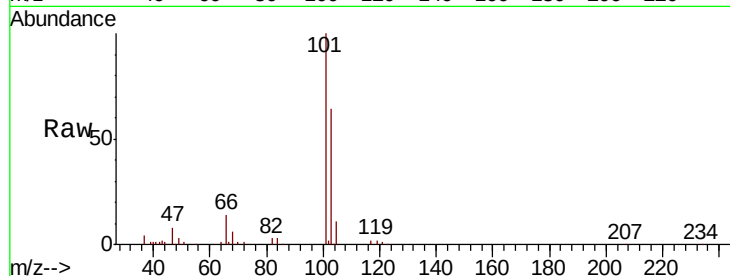
103 64.2 51.8 77.6

Manual Integrations

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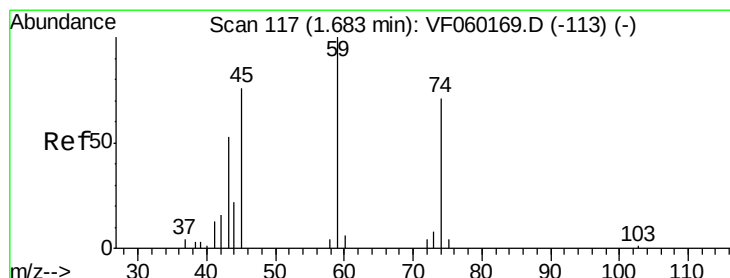
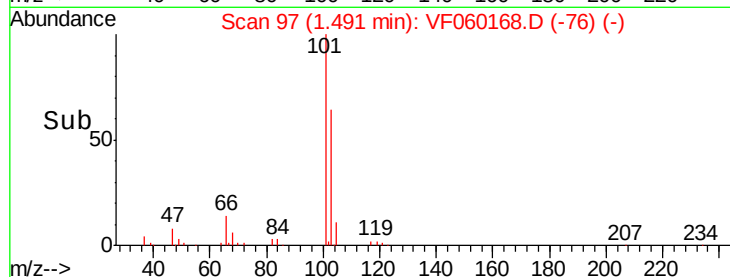
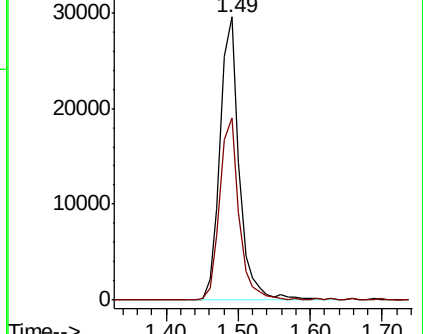
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 9.36 ug/l

RT: 1.69 min Scan# 117

Delta R.T. 0.00 min

Lab File: VF060168.D

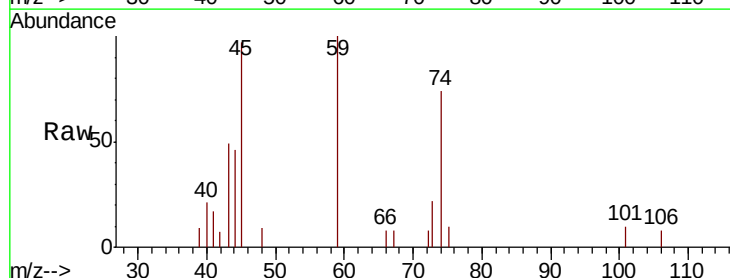
Acq: 29 Aug 2018 00:59

Tgt Ion: 74 Resp: 1957

Ion Ratio Lower Upper

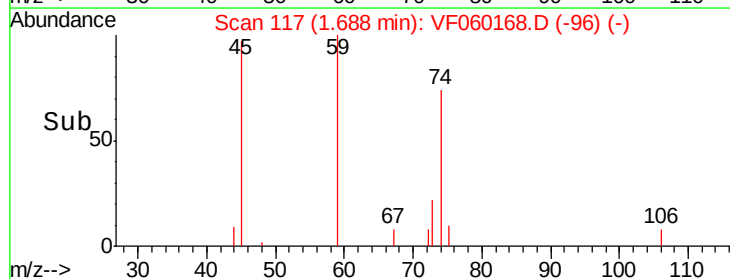
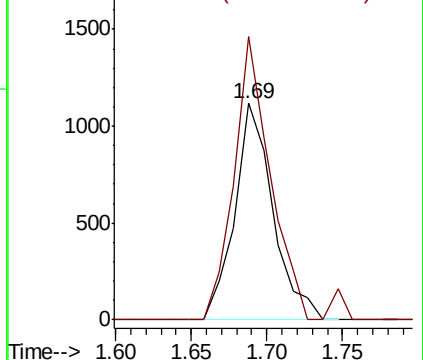
74 100

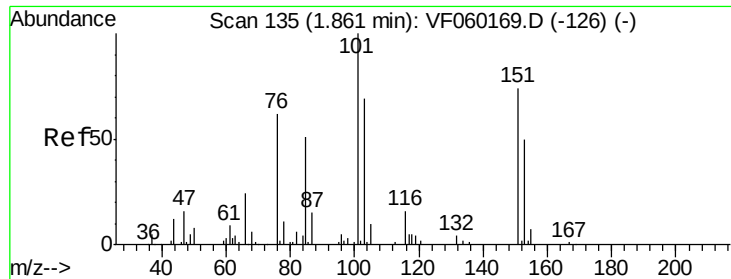
45 130.8 53.5 160.7



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: 30.97 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

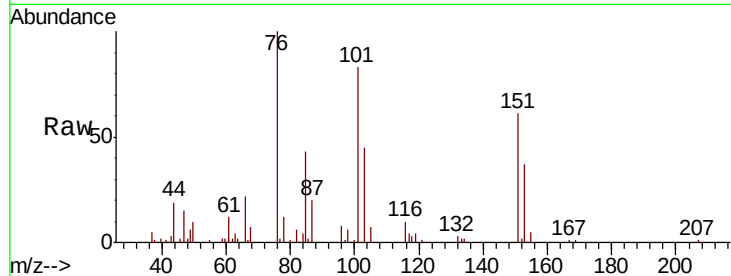
ClientSampled :

VSTDIC020

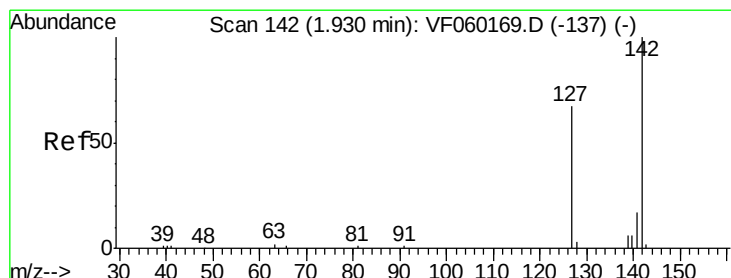
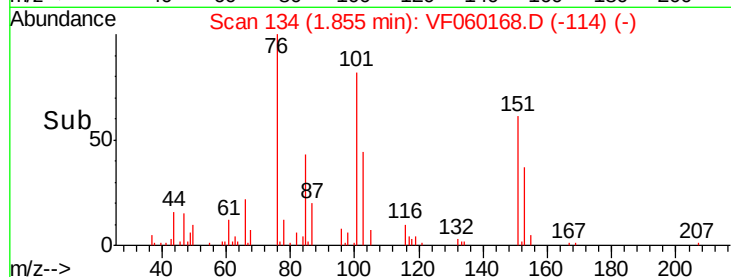
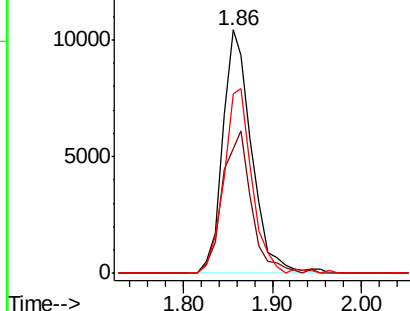
Tot Ion:	101	Resp:	23858
Ion Ratio	Lower	Upper	
101	100		
85	53.2	42.2	63.2
151	73.6	59.2	88.8

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 12.47 ug/l

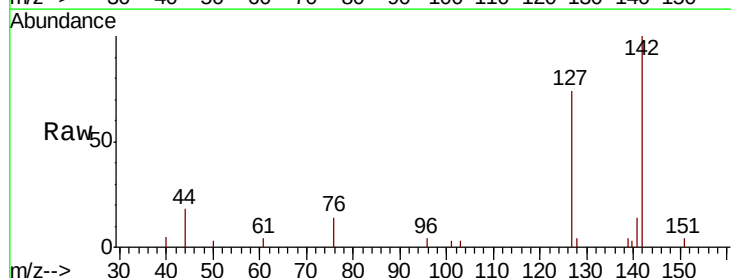
RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

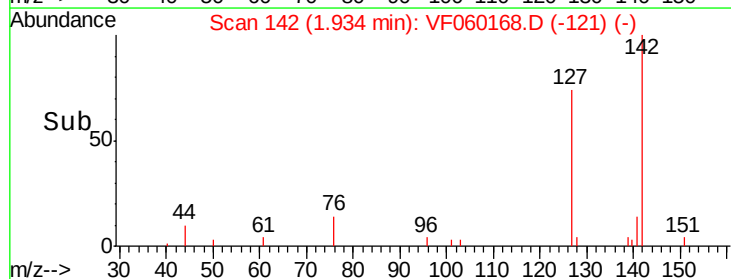
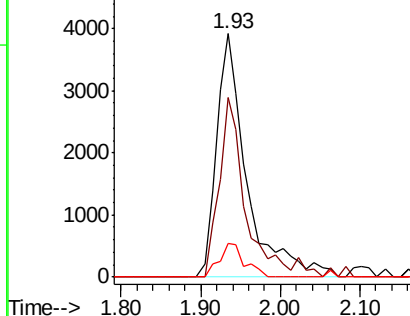
Lab File: VF060168.D

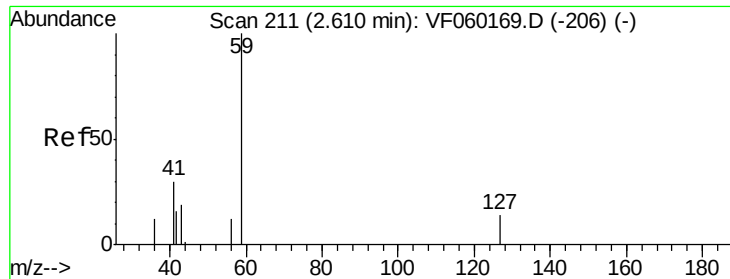
Acq: 29 Aug 2018 00:59

Tgt Ion:	142	Resp:	10399
Ion Ratio	Lower	Upper	
142	100		
127	73.6	53.9	80.9
141	14.0	13.4	20.2



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





#11

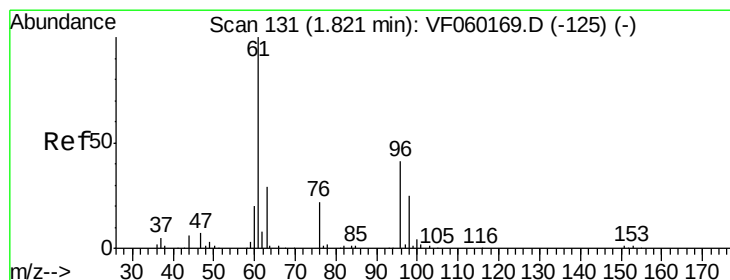
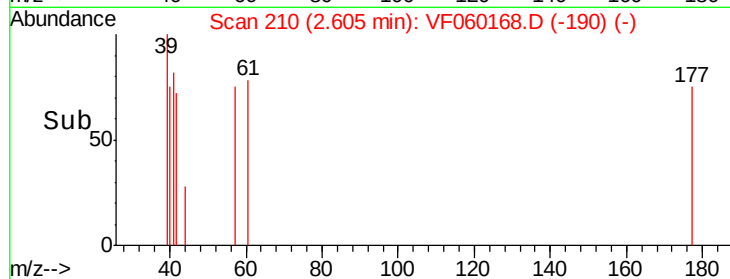
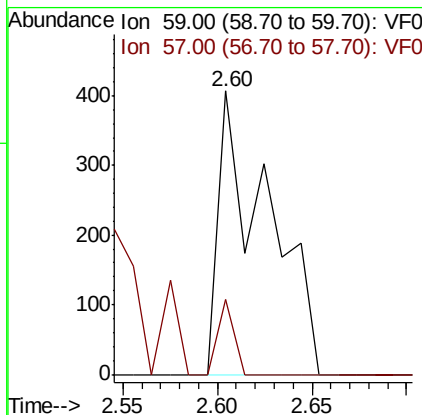
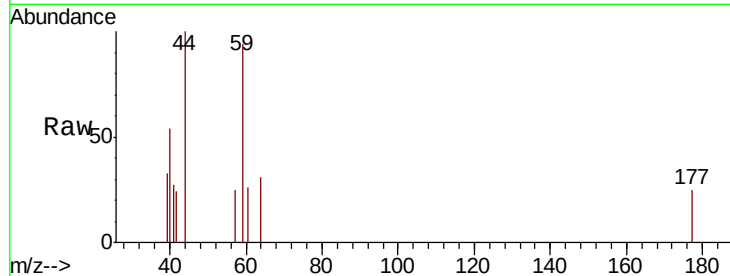
Tert butyl alcohol
 Concen: 14.93 ug/l
 RT: 2.60 min Scan# 210
 Delta R.T. -0.01 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion: 59 Resp: 732
 Ion Ratio Lower Upper
 59 100
 57 26.5 11.9 17.9#

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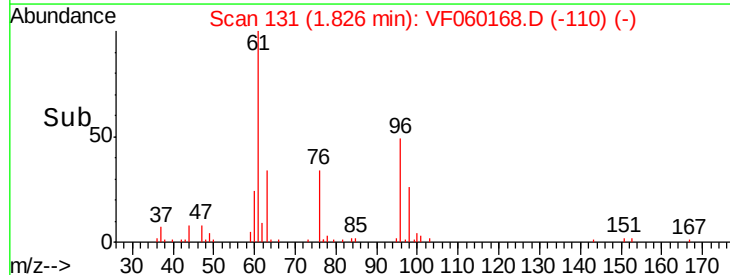
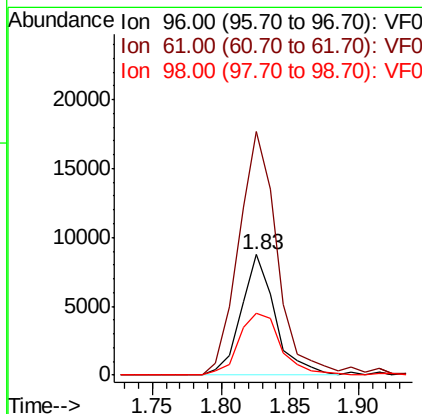
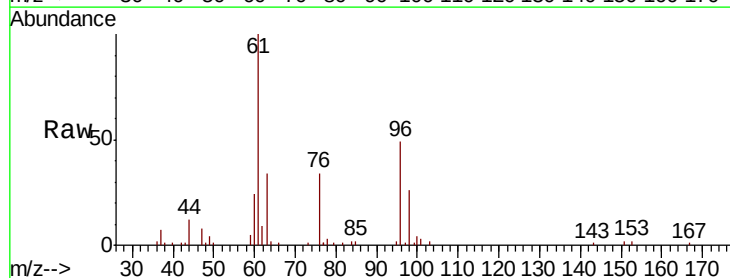
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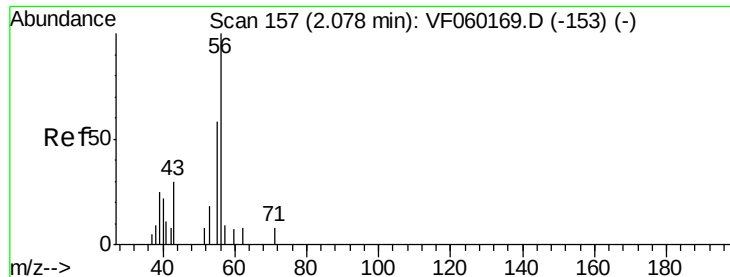


#12

1,1-Dichloroethene
 Concen: 27.88 ug/l
 RT: 1.83 min Scan# 131
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Tgt Ion: 96 Resp: 15135
 Ion Ratio Lower Upper
 96 100
 61 202.3 195.2 292.8
 98 51.6 49.0 73.6





#13

Acrolein

Concen: 44.17 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 1095

Ion Ratio Lower Upper

56 100

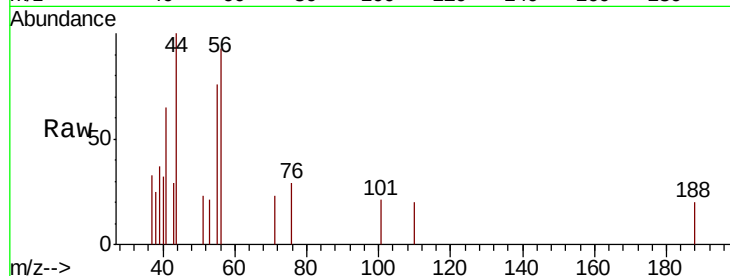
55 81.6 46.4 69.6#

Manual Integrations

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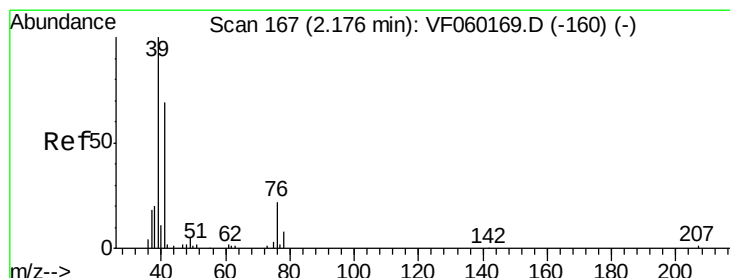
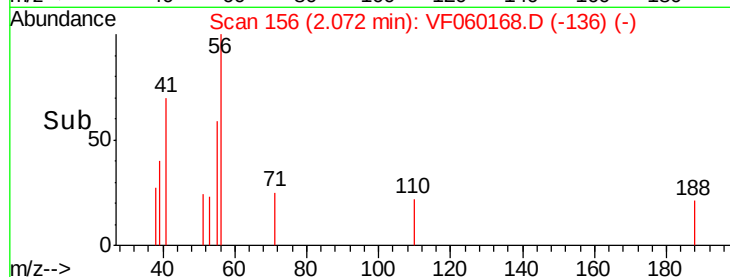
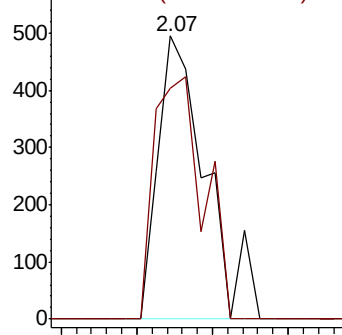
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 13.73 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

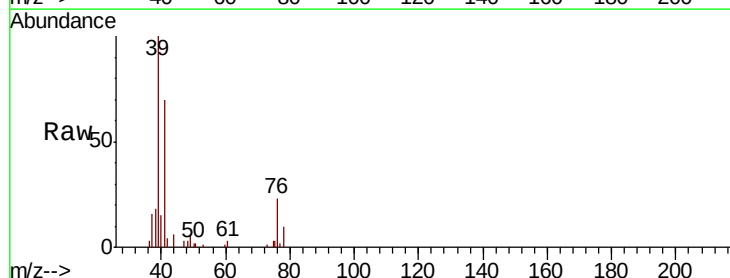
Tgt Ion: 41 Resp: 11659

Ion Ratio Lower Upper

41 100

39 142.6 117.8 176.6

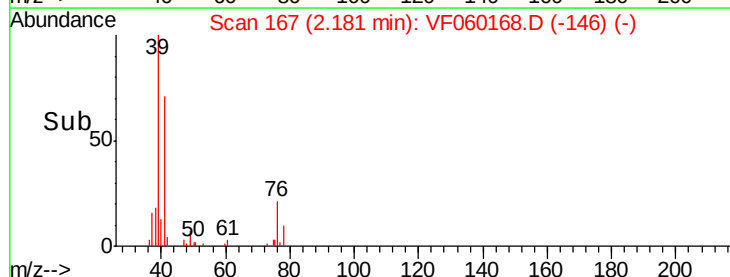
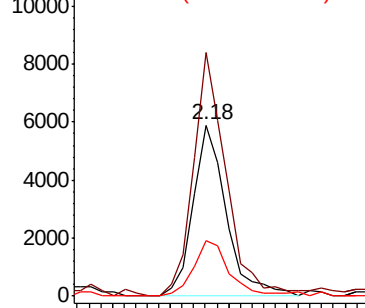
76 32.5 25.9 38.9

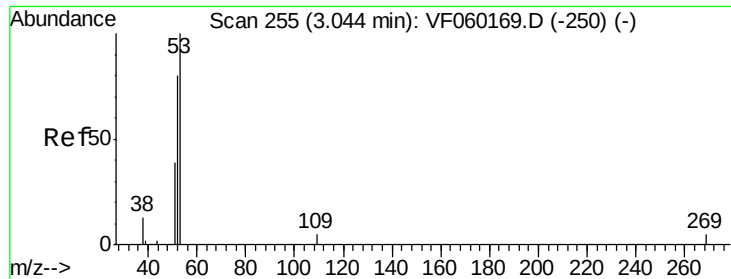


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 22.87 ug/l

RT: 3.05 min Scan# 255

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

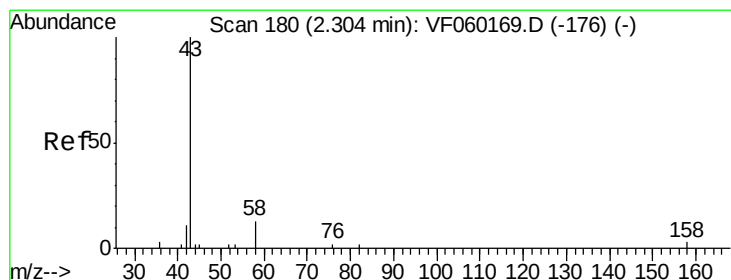
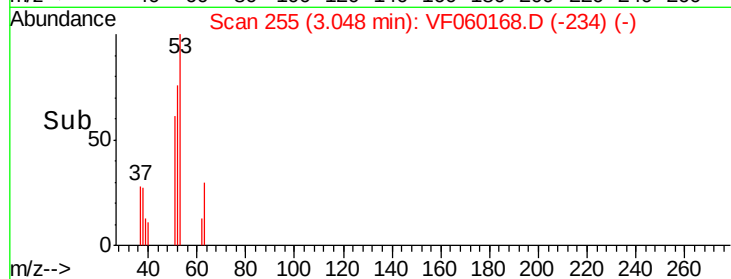
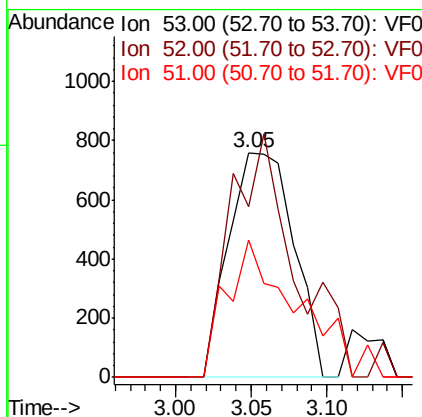
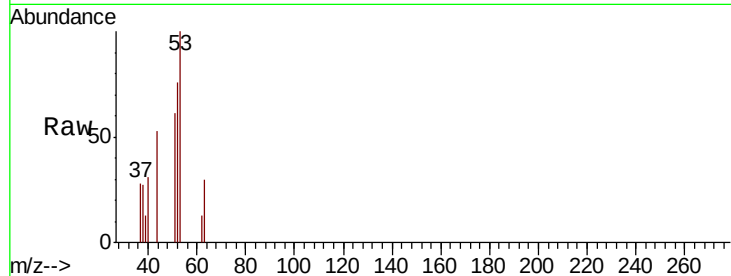
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	2272
Ion	Ratio	Lower	Upper
53	100		
52	75.7	64.4	96.6
51	61.3	31.0	46.4#

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#16

Acetone

Concen: 27.17 ug/l

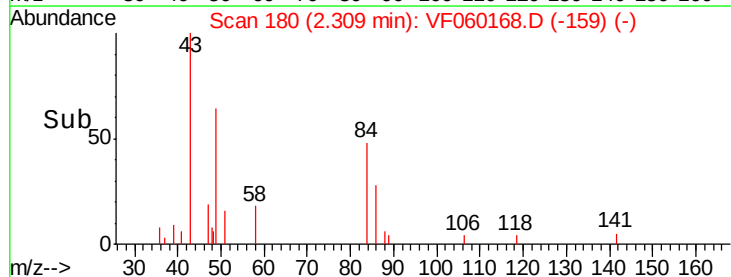
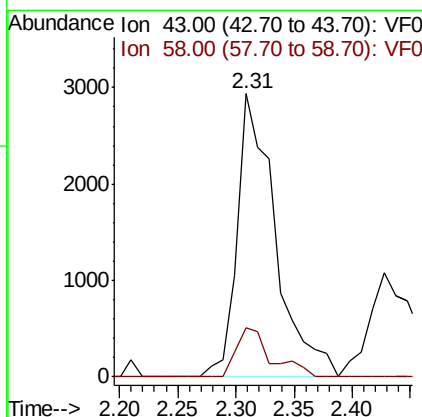
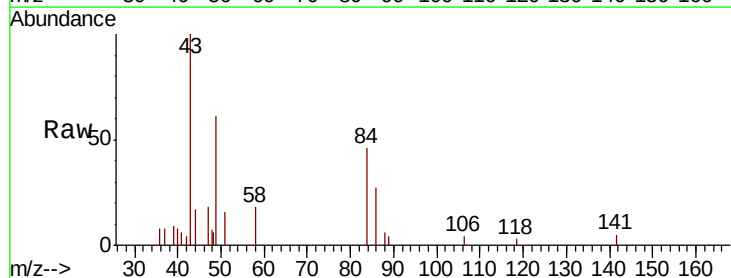
RT: 2.31 min Scan# 180

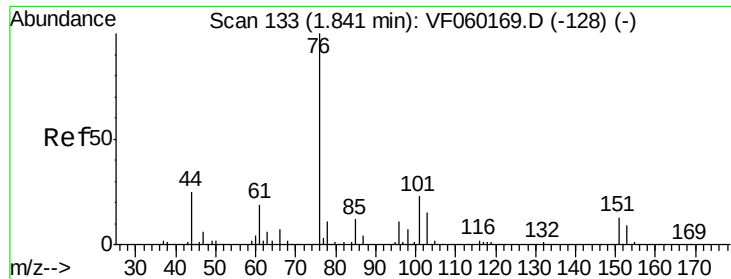
Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Tgt Ion:	43	Resp:	6668
Ion	Ratio	Lower	Upper
43	100		
58	17.6	10.7	16.1#





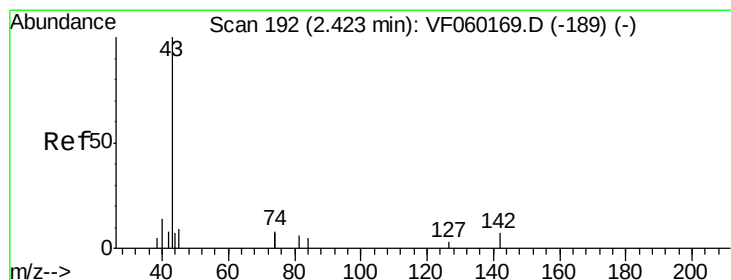
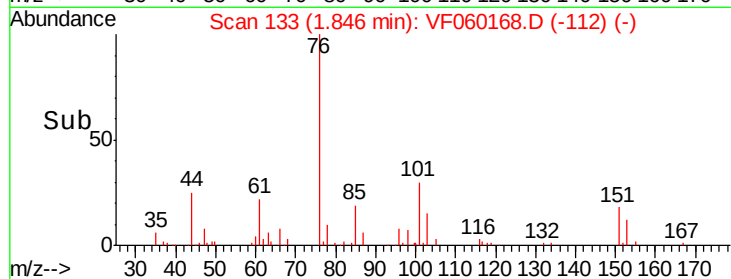
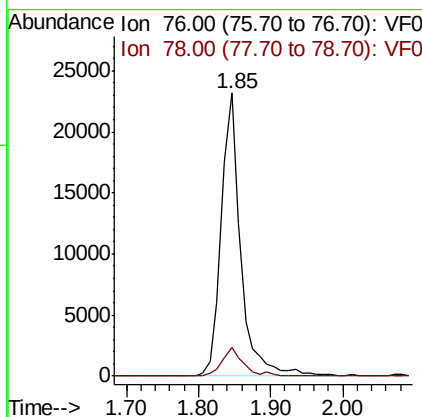
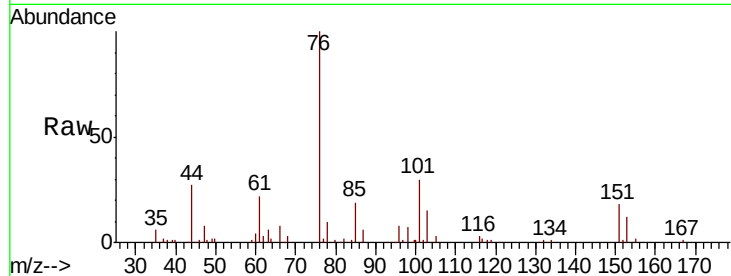
#17
Carbon Disulfide
Concen: 25.26 ug/l
RT: 1.85 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	8.6	12.8

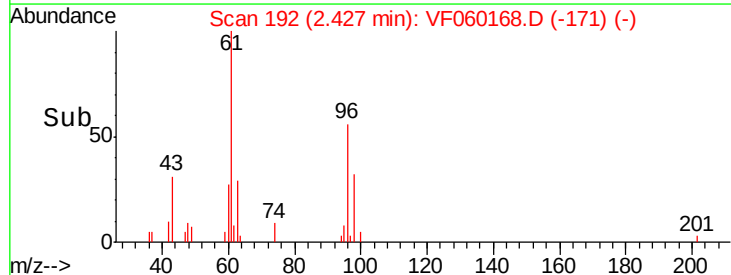
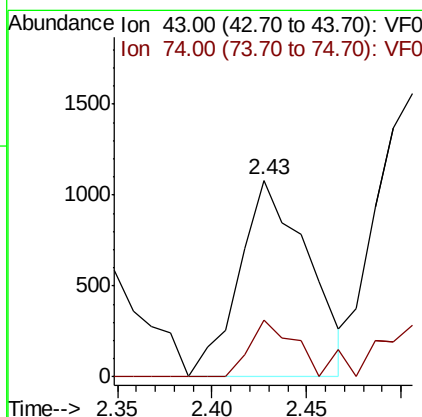
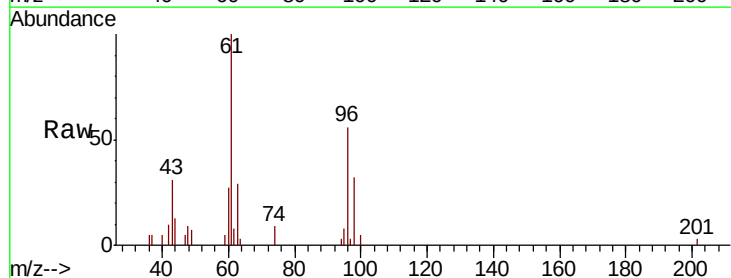
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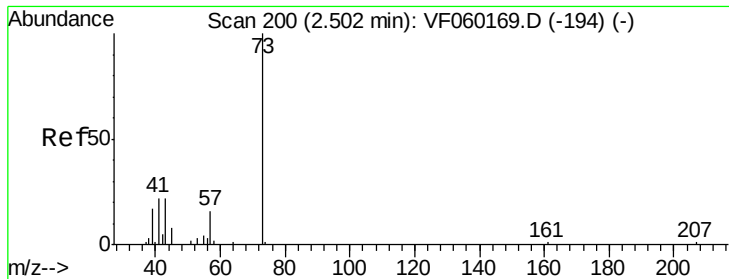
apatel
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#18
Methyl Acetate
Concen: 5.66 ug/l
RT: 2.43 min Scan# 192
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.1	10.6	16.0#





#19

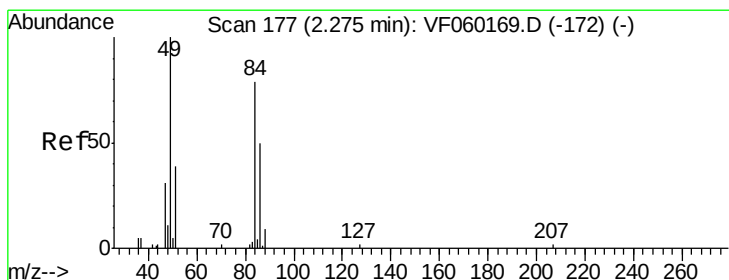
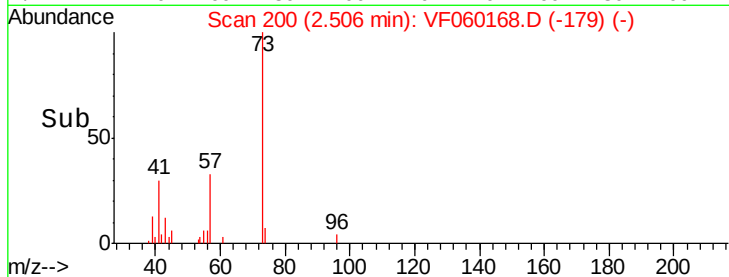
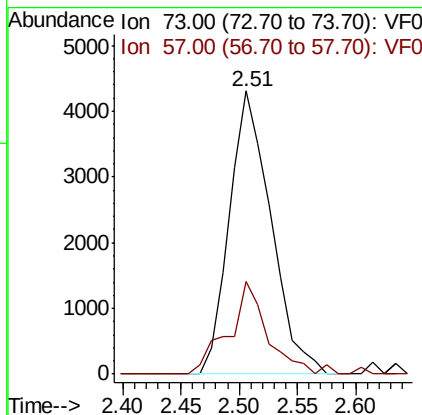
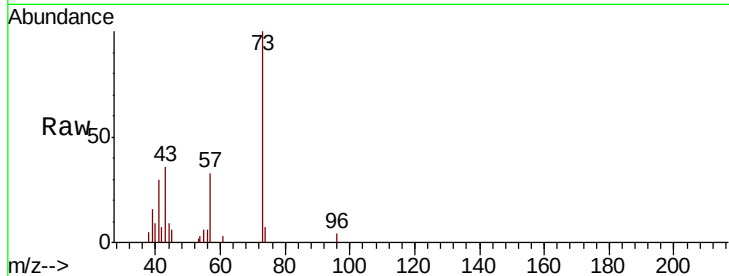
Methvl tert-butvl Ether
 Concen: 7.50 ug/l
 RT: 2.51 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	32.6	13.0	19.4#

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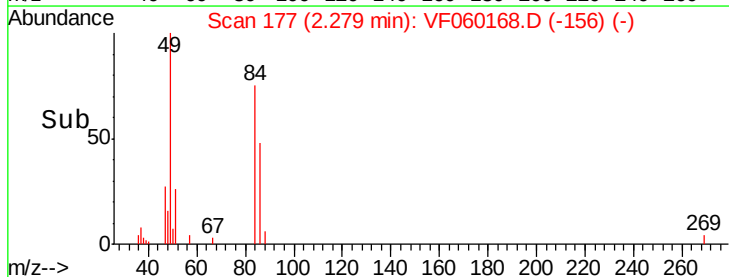
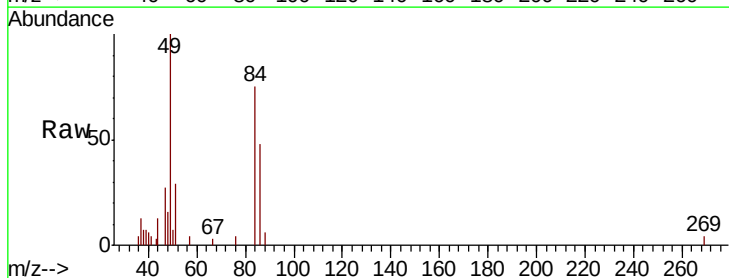
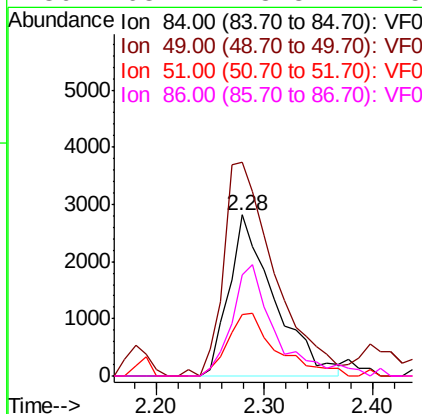
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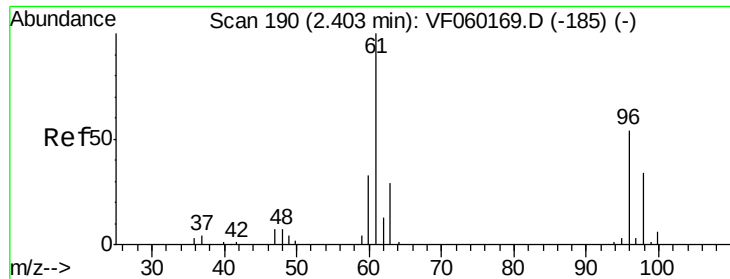


#20

Methylene Chloride
 Concen: 13.19 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.6	97.0	145.4
51	38.3	38.2	57.2
86	63.1	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 21.47 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

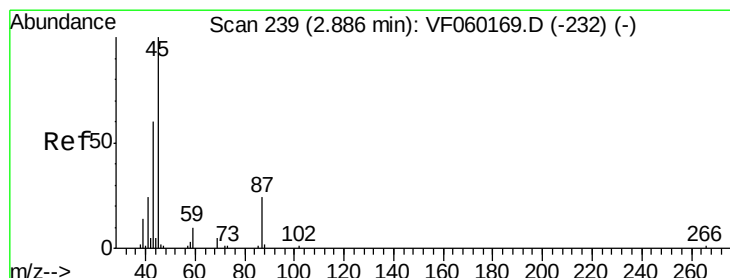
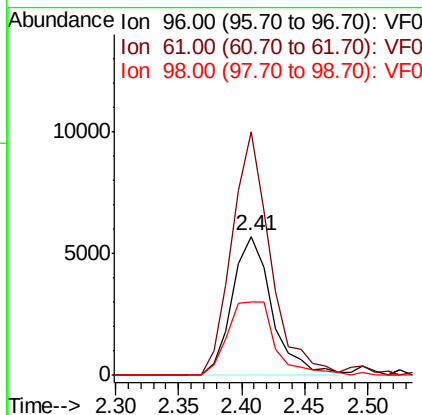
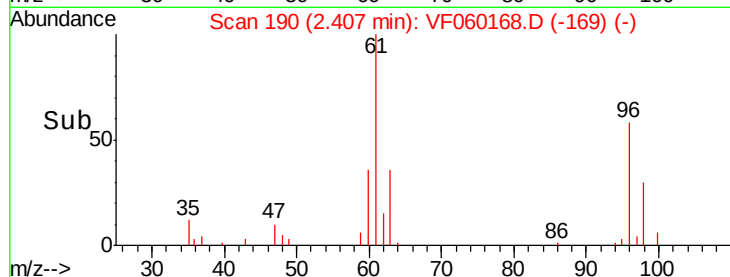
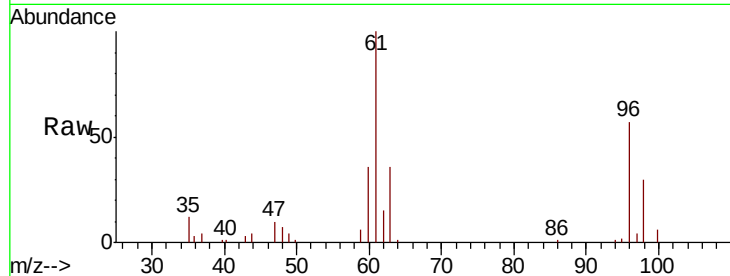
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	12516
Ion	Ratio	Lower	Upper
96	100		
61	175.1	148.6	222.8
98	52.5	50.4	75.6

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#22

Diisopropyl ether

Concen: 12.23 ug/l

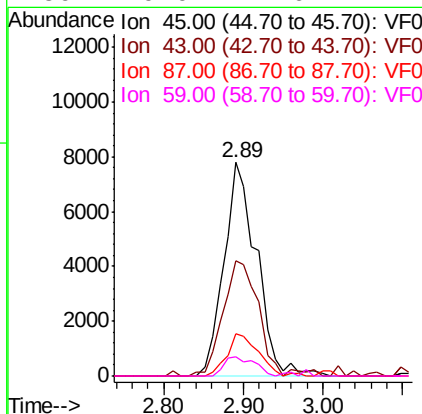
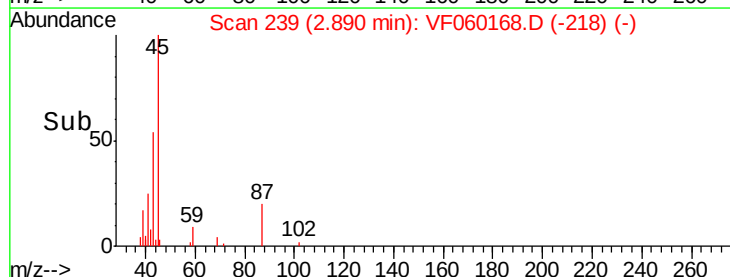
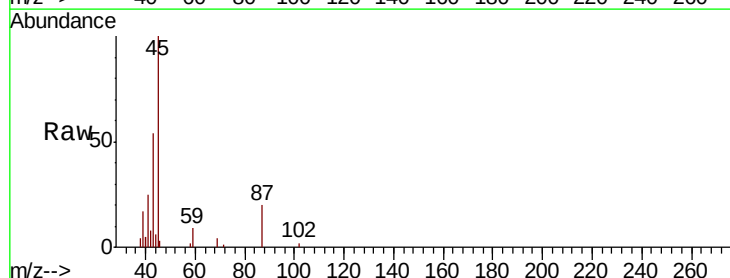
RT: 2.89 min Scan# 239

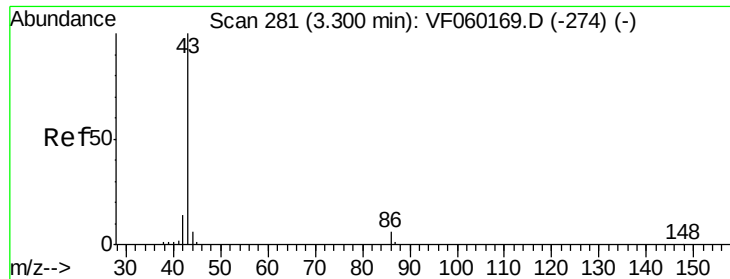
Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Tgt Ion:	45	Resp:	22288
Ion	Ratio	Lower	Upper
45	100		
43	53.8	48.0	72.0
87	20.0	18.9	28.3
59	9.0	7.6	11.4





#23

Vinyl Acetate

Concen: 26.40 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Tot Ion: 43 Resp: 23981

Ion Ratio Lower Upper

43 100

86 7.0 4.9 7.3

Instrument :

MSVOA_F

ClientSampleId :

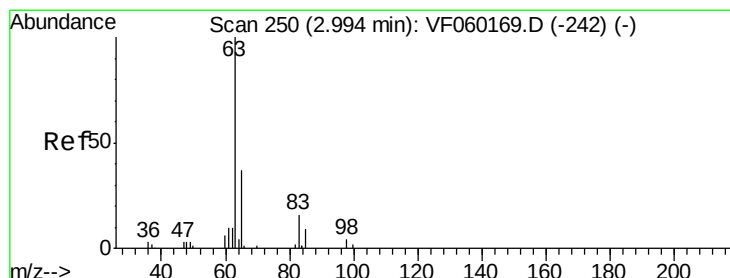
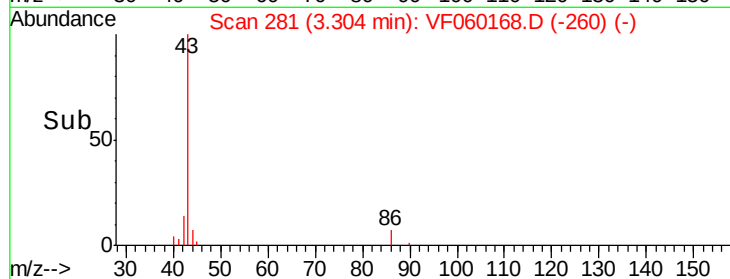
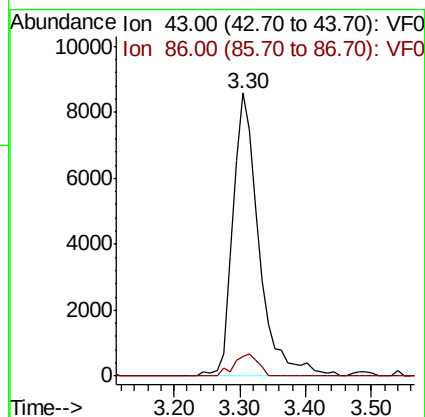
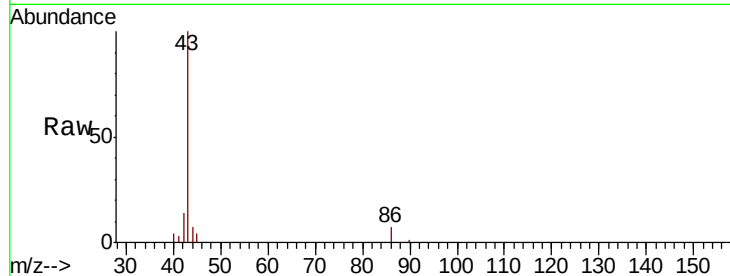
VSTDIC020

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#24

1,1-Dichloroethane

Concen: 17.30 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

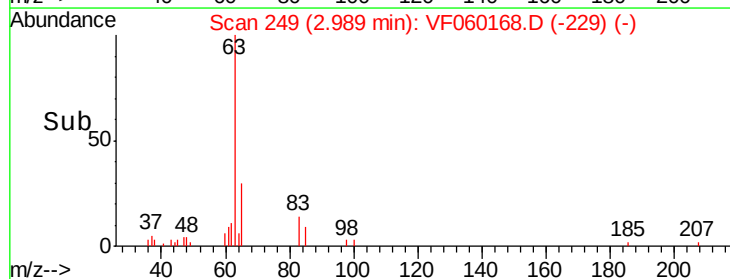
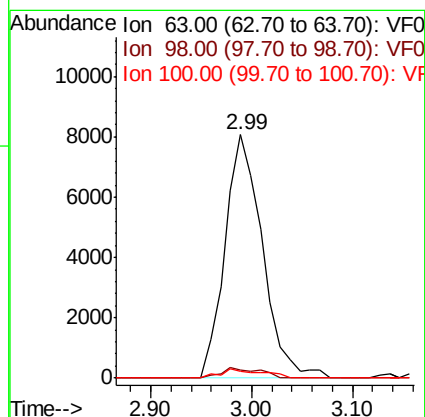
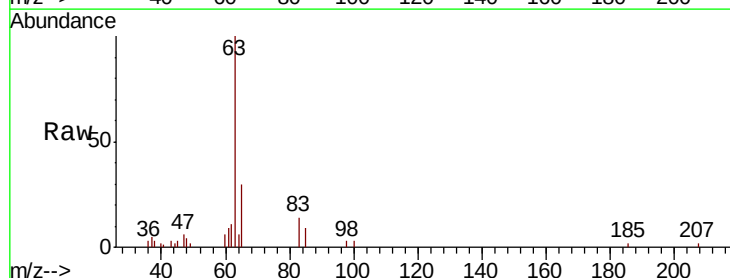
Tgt Ion: 63 Resp: 20834

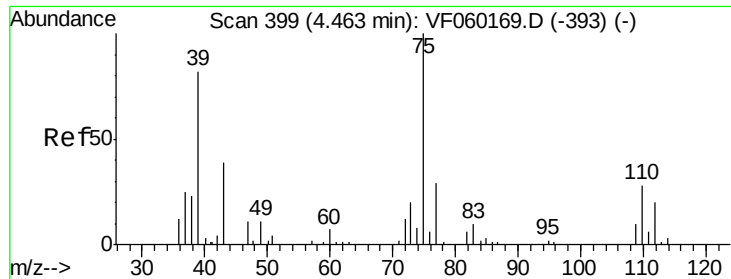
Ion Ratio Lower Upper

63 100

98 3.3 2.1 6.3

100 2.7 0.9 2.7





#25

2-Butanone

Concen: 19.20 ug/l

RT: 4.48 min Scan# 400

Delta R.T. 0.01 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 6083

Ion Ratio Lower Upper

43 100

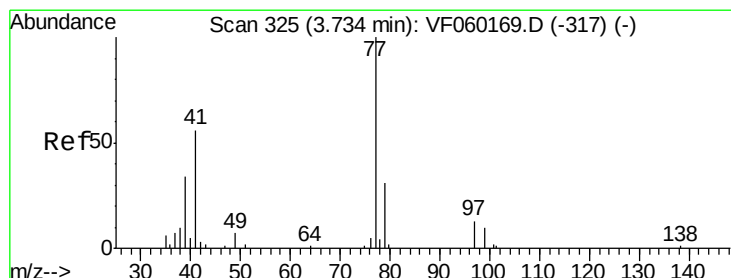
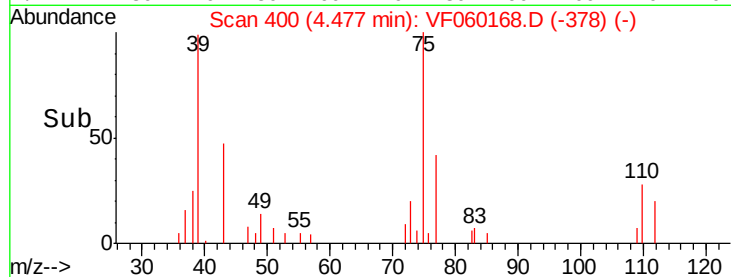
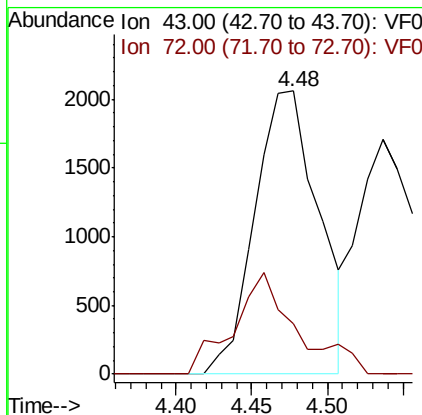
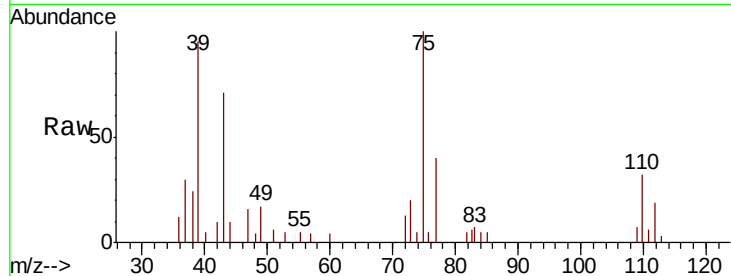
72 17.9 24.2 36.2#

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#26

2,2-Dichloropropane

Concen: 11.30 ug/l

RT: 3.75 min Scan# 326

Delta R.T. 0.01 min

Lab File: VF060168.D

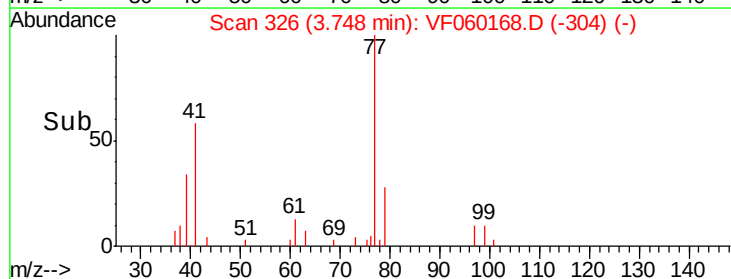
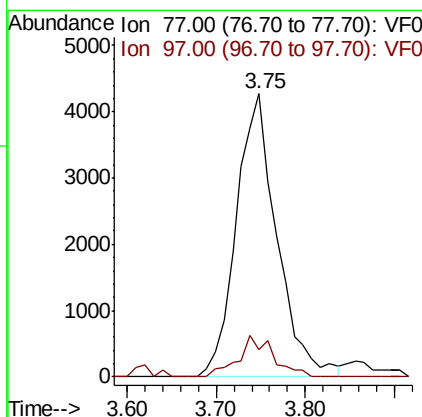
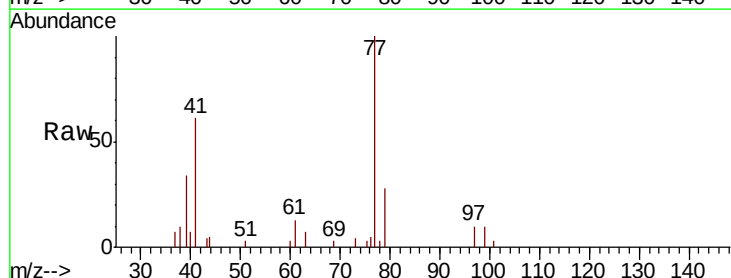
Acq: 29 Aug 2018 00:59

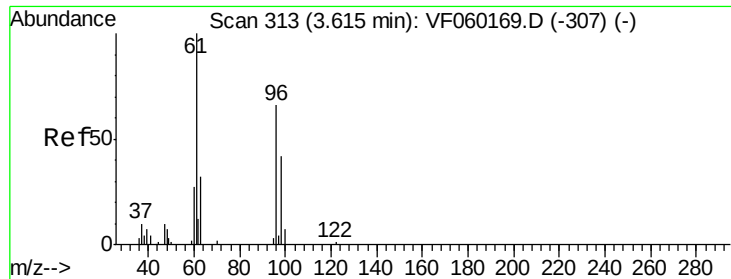
Tgt Ion: 77 Resp: 13505

Ion Ratio Lower Upper

77 100

97 9.9 7.0 21.0





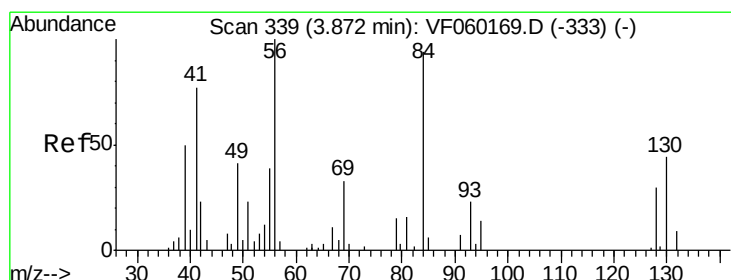
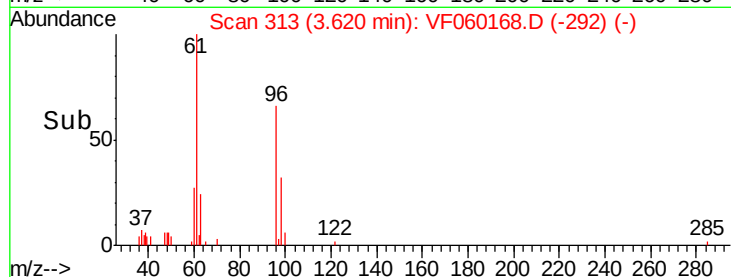
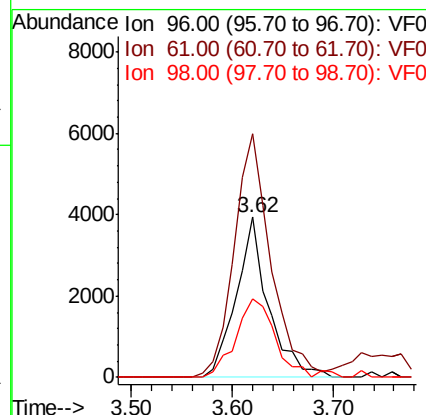
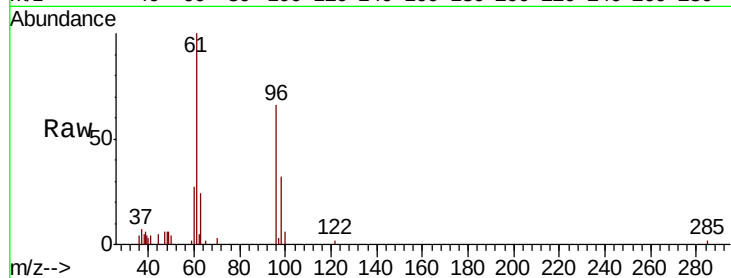
#27
 cis-1,2-Dichloroethene
 Concen: 11.88 ug/l
 RT: 3.62 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.1	0.0	303.0
98	49.2	0.0	126.8

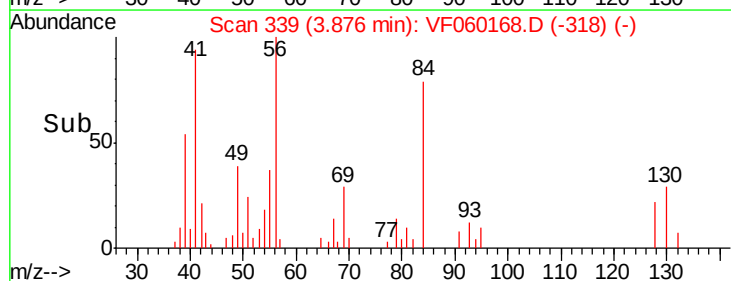
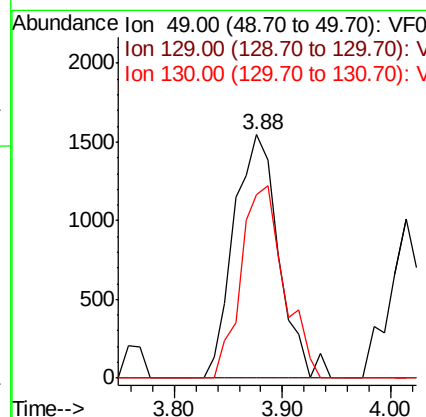
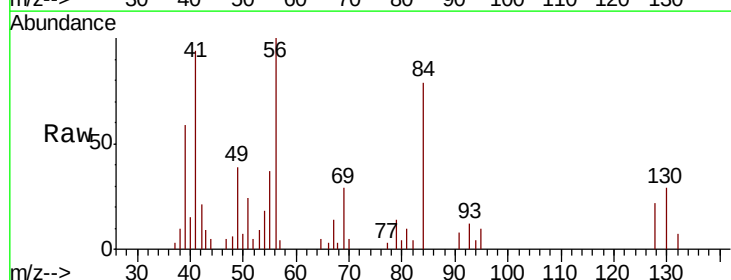
Manual Integrations
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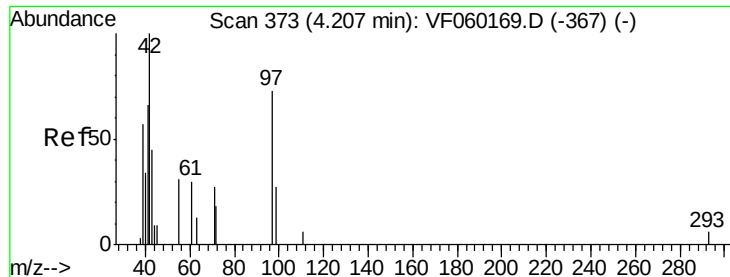
apatel
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#28
 Bromochloromethane
 Concen: 9.47 ug/l
 RT: 3.88 min Scan# 339
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	8.6
130	75.6	86.0	129.0#





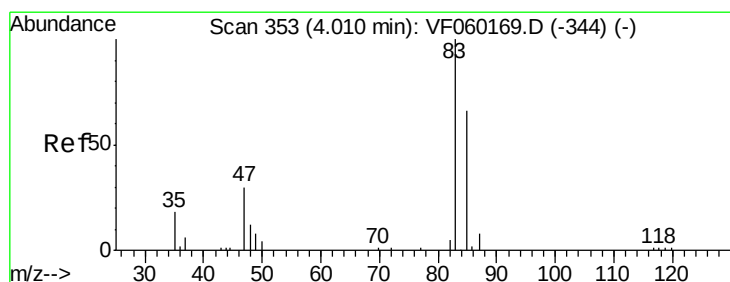
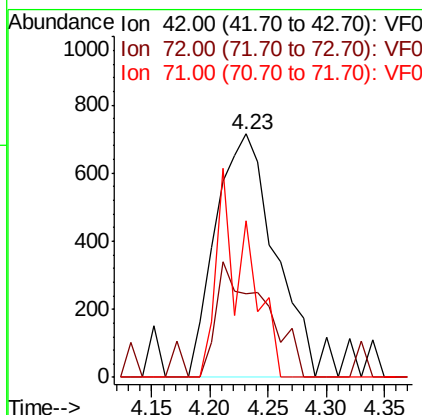
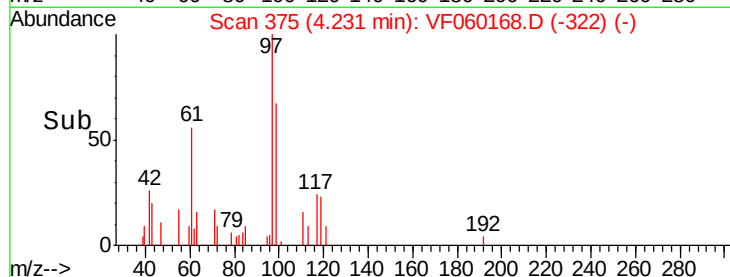
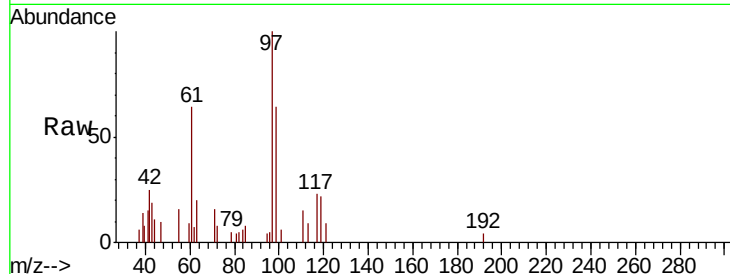
#29
Tetrahydrofuran
Concen: 21.36 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.02 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	27.0	40.4
71	42.3	24.6	36.8

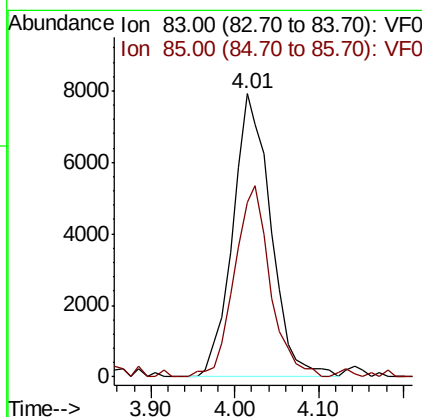
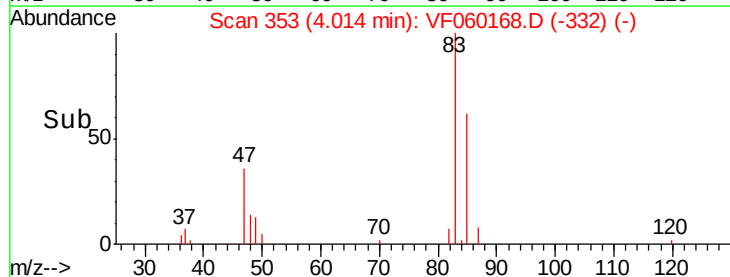
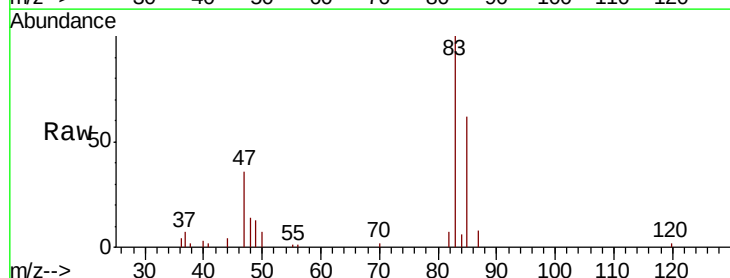
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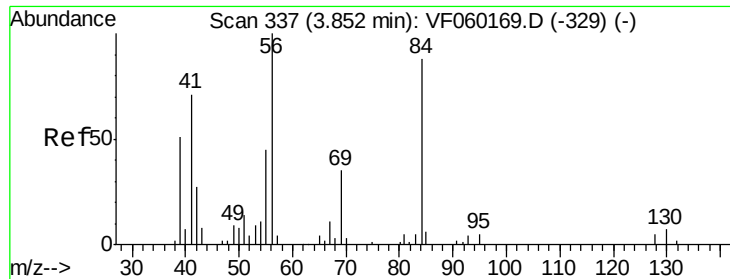
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#30
Chloroform
Concen: 15.30 ug/l
RT: 4.01 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.8	79.2





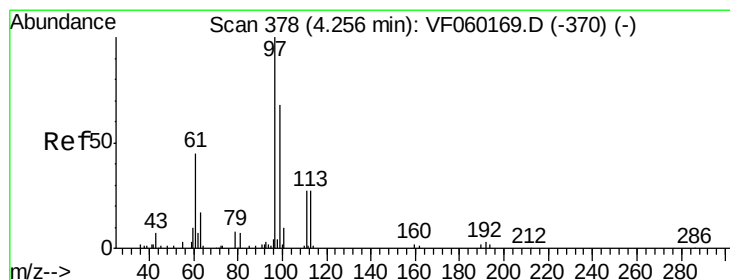
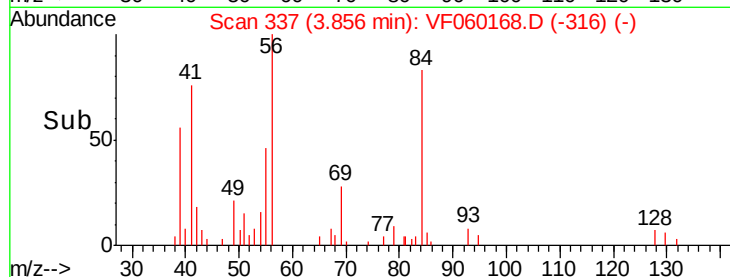
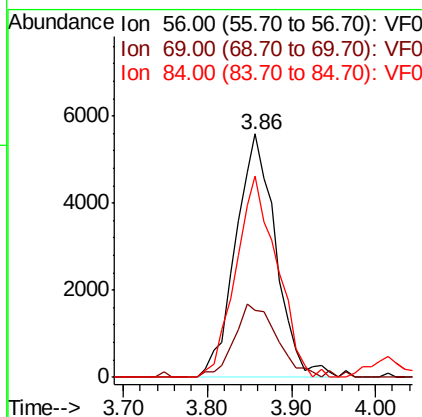
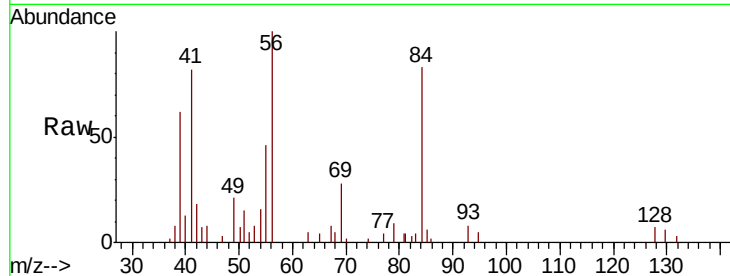
#31
Cyclohexane
Concen: 19.08 ug/l
RT: 3.86 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.6	27.7	41.5#
84	82.8	70.2	105.4

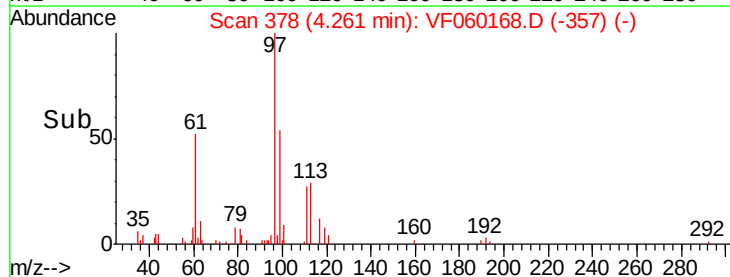
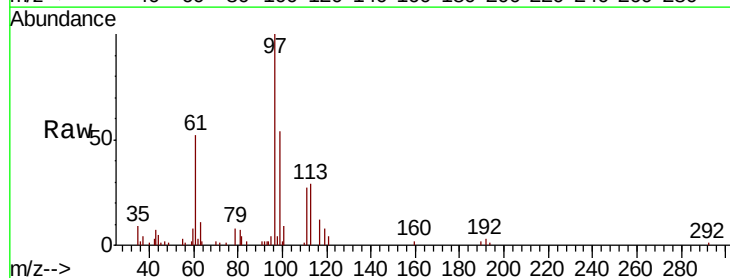
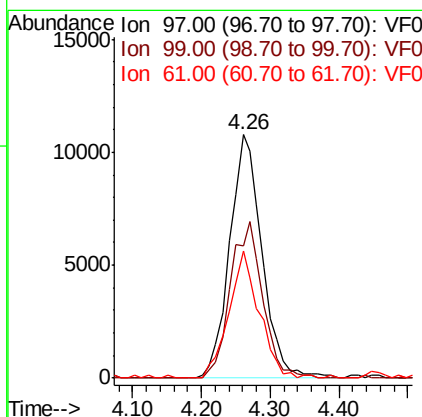
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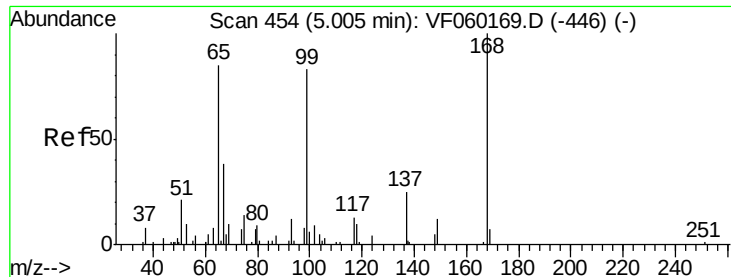
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#32
1,1,1-Trichloroethane
Concen: 23.01 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	54.3	54.4	81.6#
61	52.3	36.2	54.4





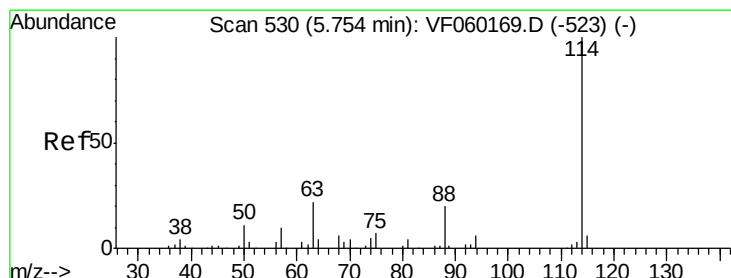
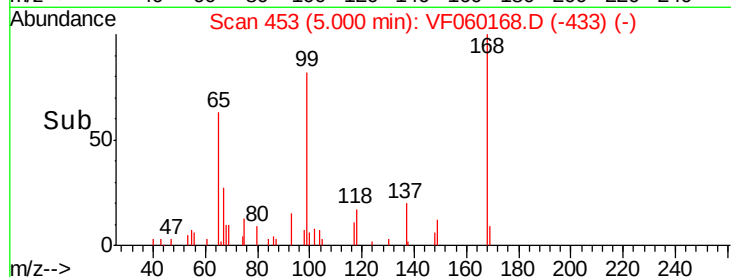
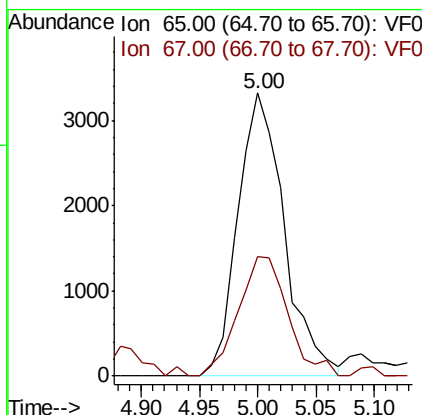
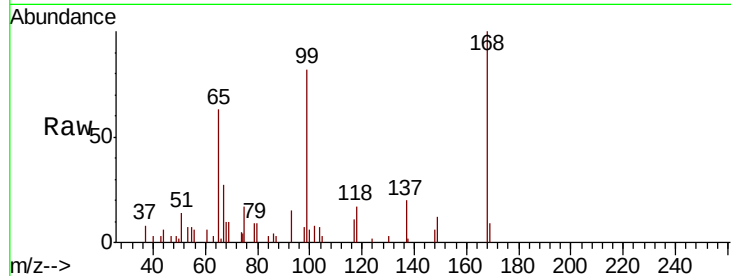
#33
 1,2-Dichloroethane-d4
 Concen: 9.26 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	42.4	0.0	92.6

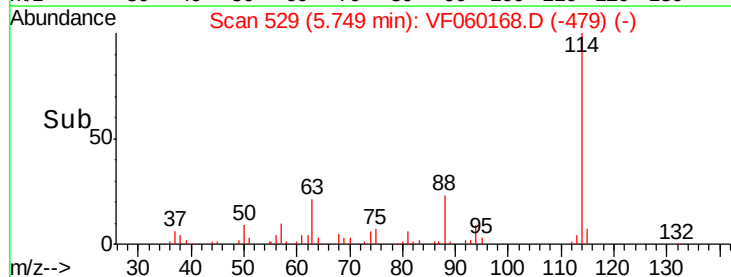
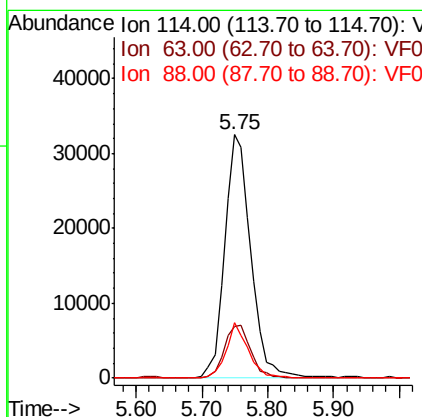
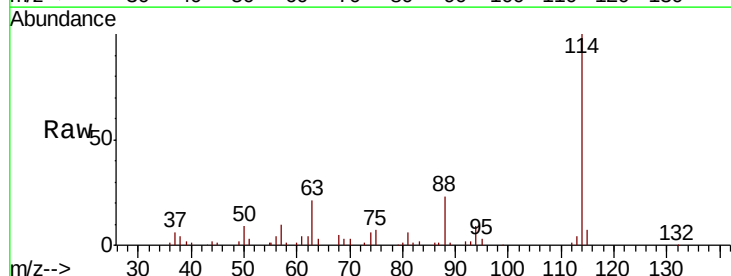
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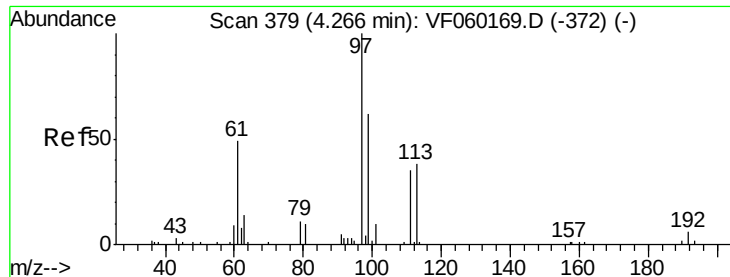
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	45.8
88	22.9	0.0	40.2





#35

Dibromofluoromethane

Concen: 16.86 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

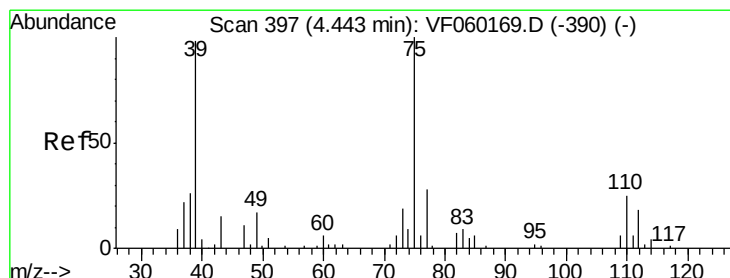
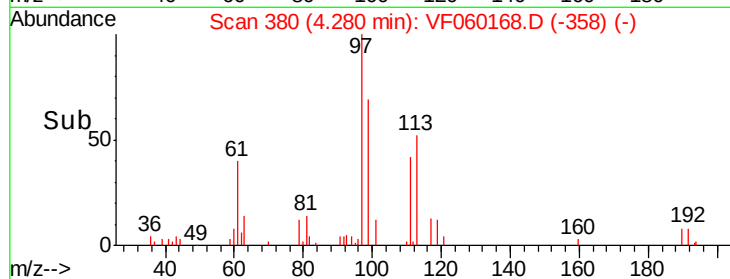
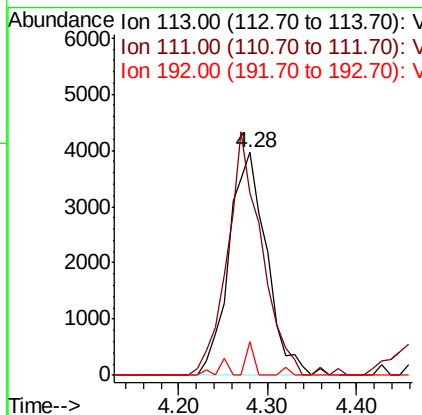
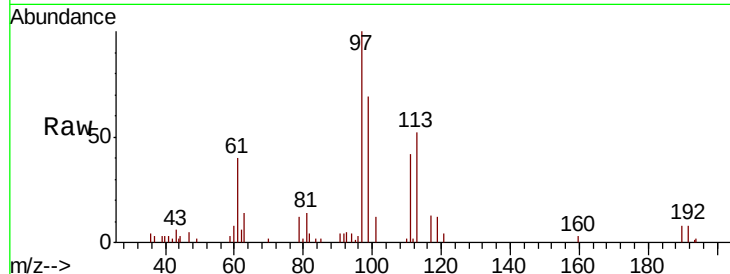
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	11676
Ion	Ratio	Lower	Upper
113	100		
111	81.7	75.5	113.3
192	15.1	12.5	18.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 24.95 ug/l

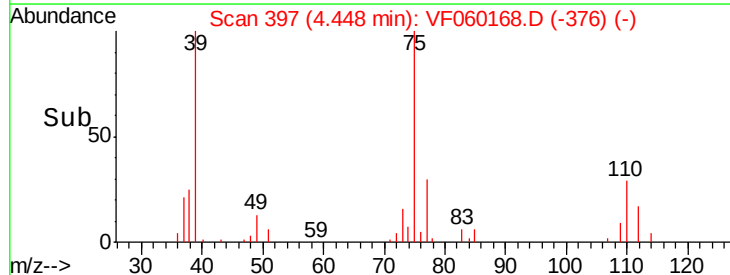
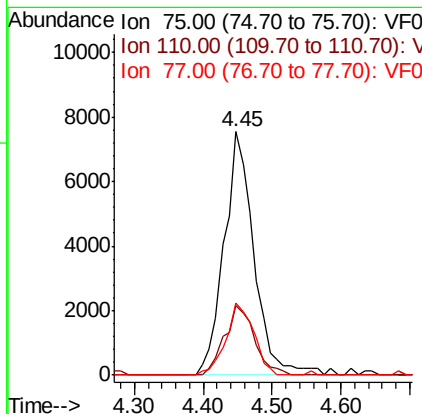
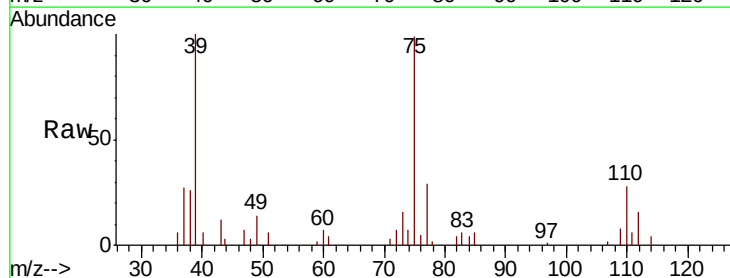
RT: 4.45 min Scan# 397

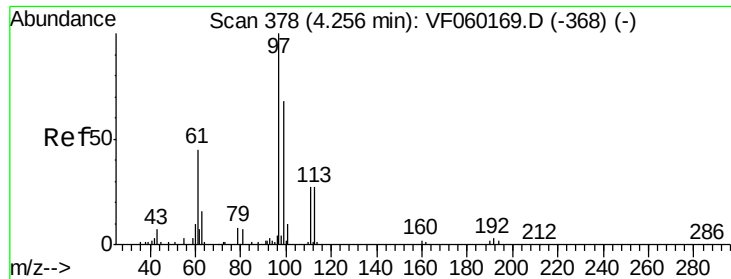
Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Tgt Ion:	75	Resp:	22791
Ion	Ratio	Lower	Upper
75	100		
110	28.5	12.6	37.6
77	29.7	22.2	33.4





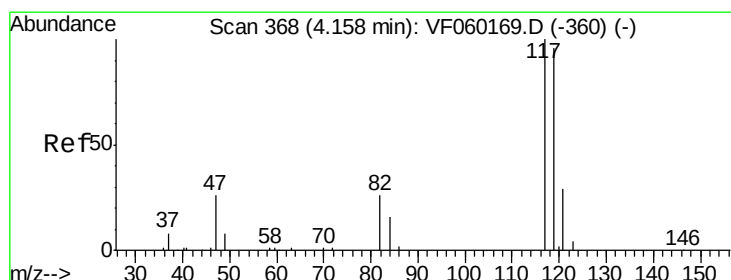
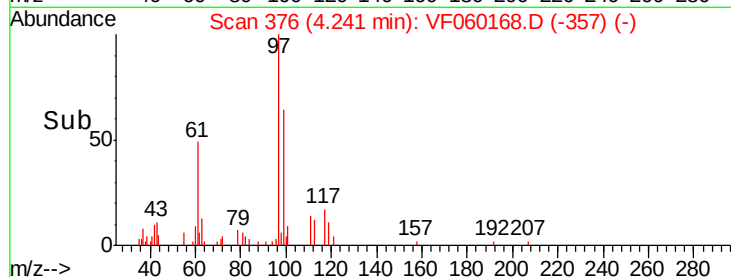
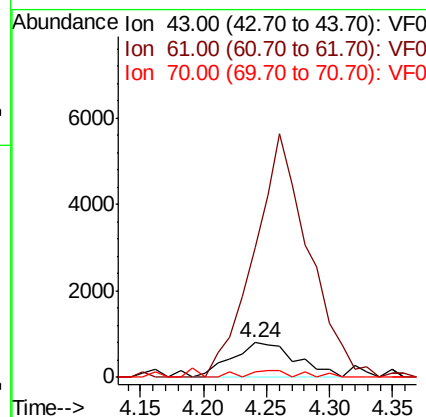
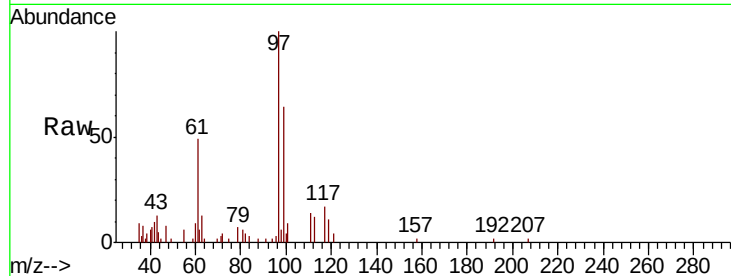
#37
Ethyl Acetate
Concen: 6.44 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.02 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	43	61	70
Resp	2897	370.9	16.4
Ratio	100	370.9	16.4
Lower		517.6	15.4
Upper		776.4#	23.2

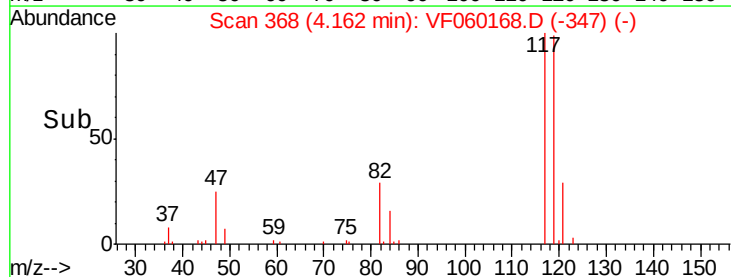
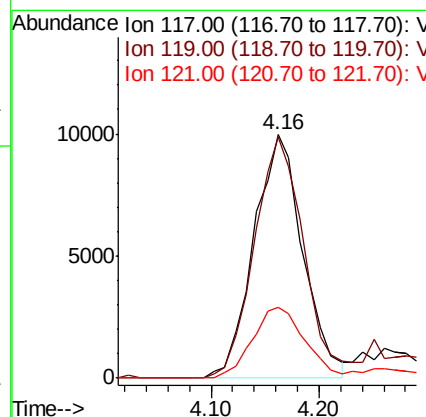
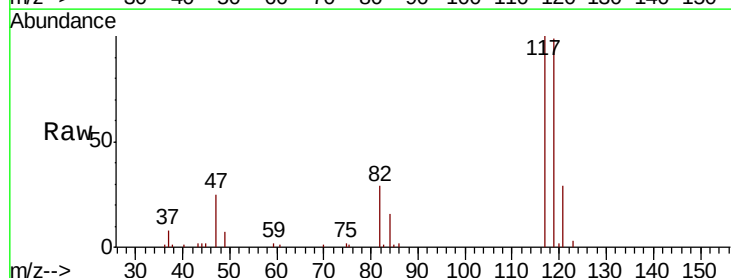
Manual Integrations
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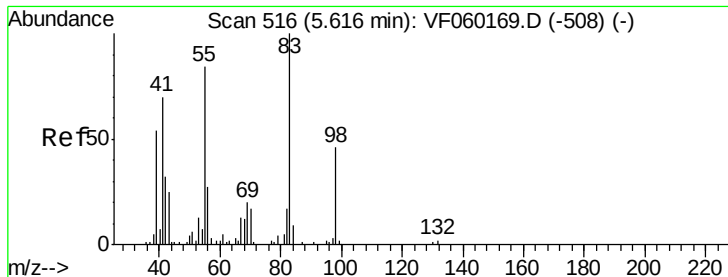
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#38
Carbon Tetrachloride
Concen: 27.96 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Tgt Ion	117	119	121
Resp	31411	99.0	29.0
Ratio	100	99.0	29.0
Lower		76.8	22.9
Upper		115.2	34.3





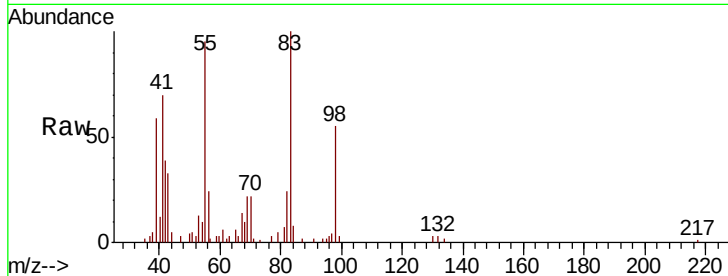
#39
Methylvlcyclohexane
Concen: 25.64 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.5	67.4	101.2
98	54.6	37.0	55.6

Manual Integrations
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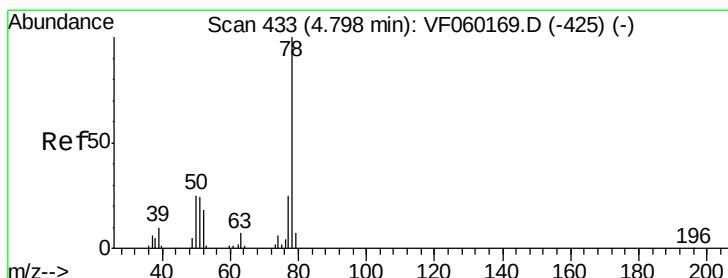
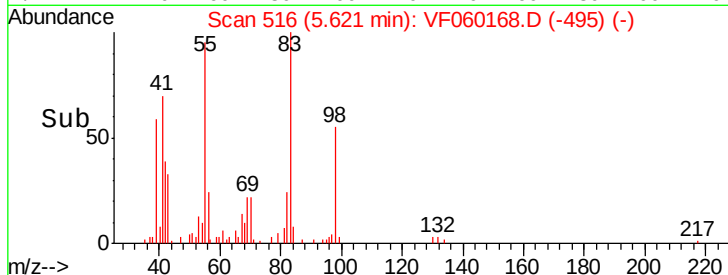
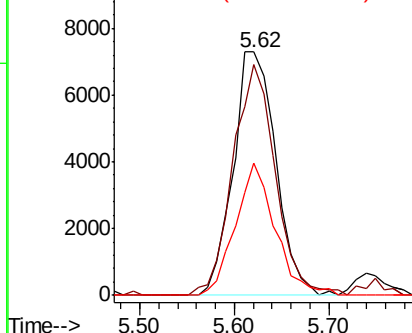


Abundance

Ion 83.00 (82.70 to 83.70): VF0

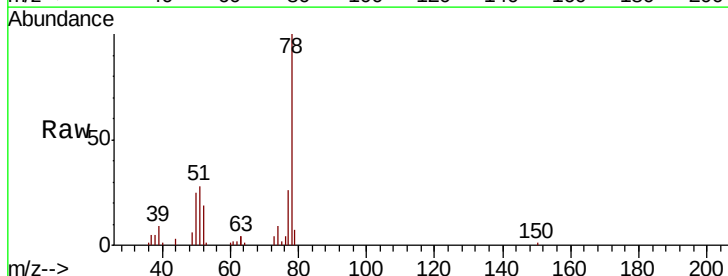
Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40
Benzene
Concen: 18.02 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

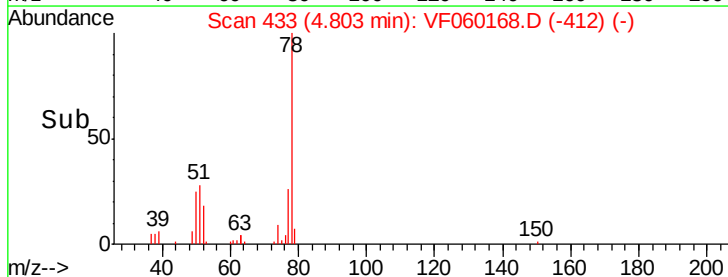
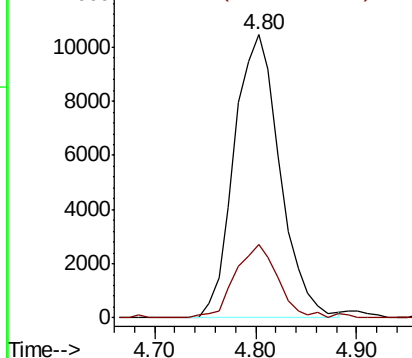
Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	20.2	30.2

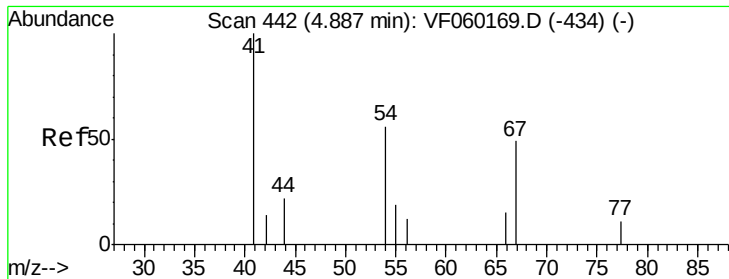


Abundance

Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 8.83 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

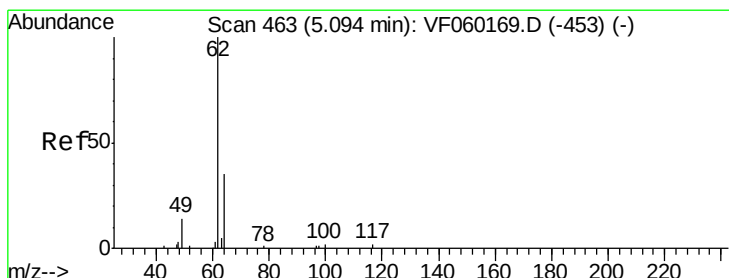
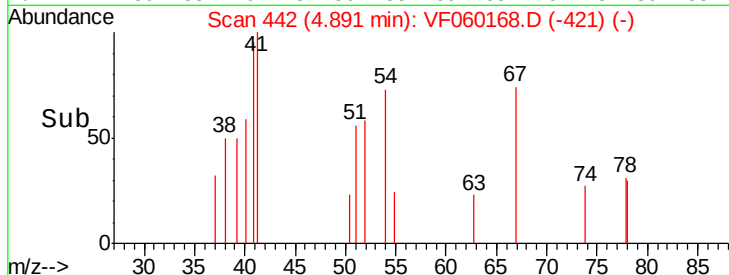
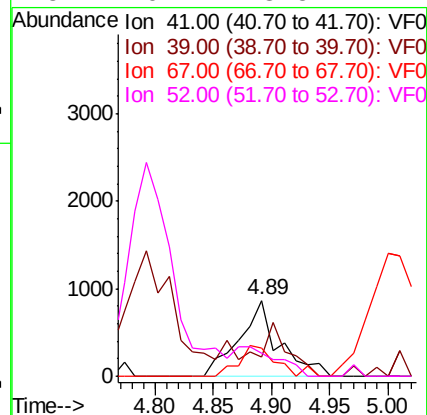
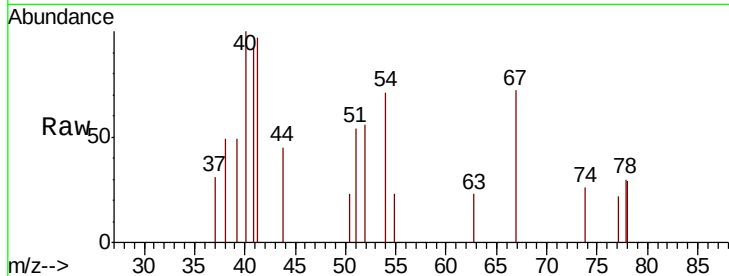
VSTDIC020

Tot Ion: 41 Resp: 2030

Ion	Ratio	Lower	Upper
41	100		
39	25.8	45.0	67.6#
67	37.9	39.5	59.3#
52	29.7	28.5	42.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 12.10 ug/l

RT: 5.11 min Scan# 464

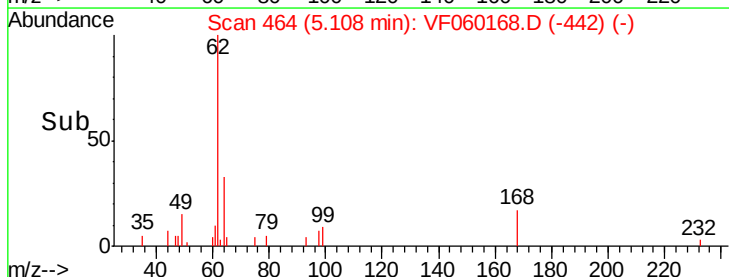
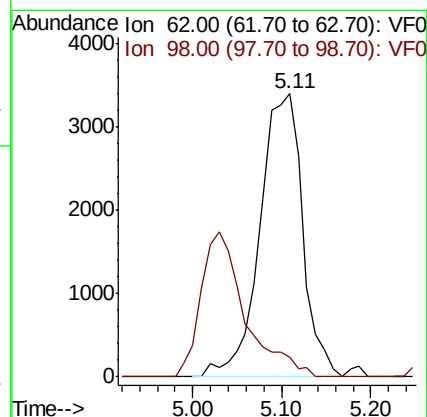
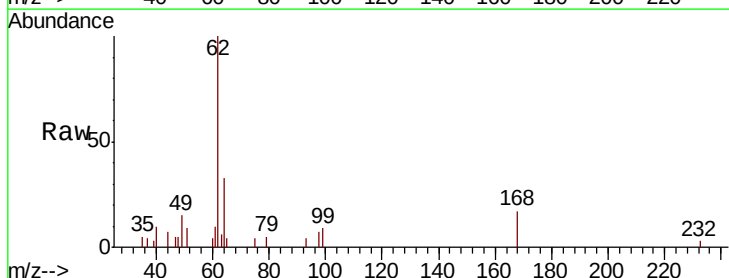
Delta R.T. 0.01 min

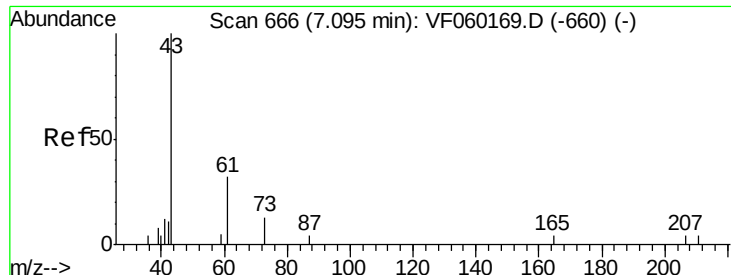
Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Tgt Ion: 62 Resp: 11242

Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	13.2





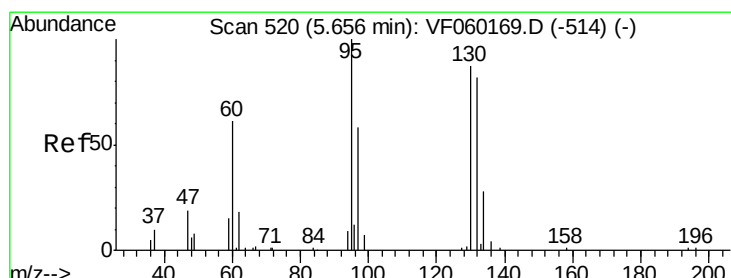
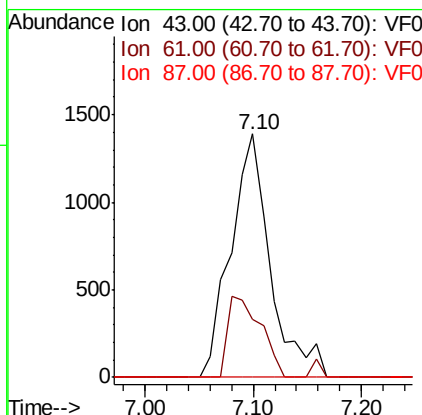
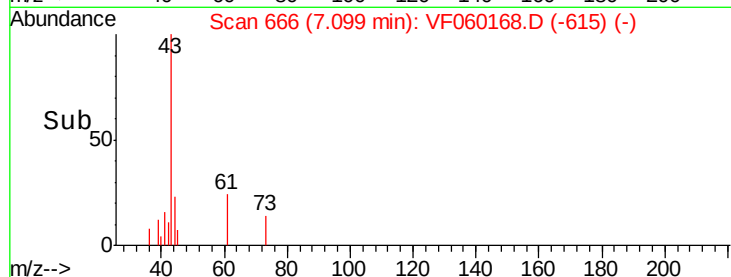
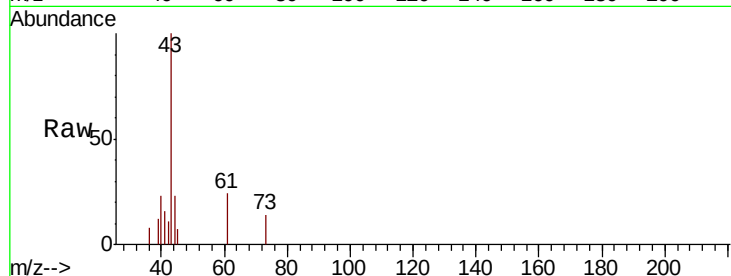
#43
Isopropyl Acetate
Concen: 6.33 ug/l
RT: 7.10 min Scan# 666
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.8	25.3	37.9#
87	0.0	3.0	4.6#

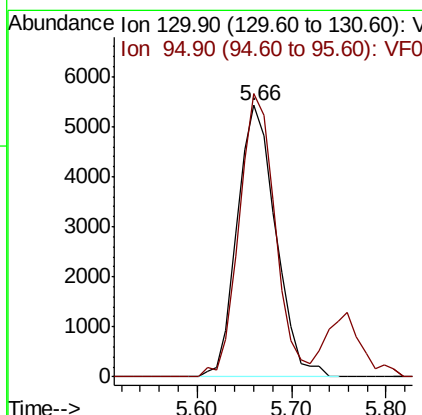
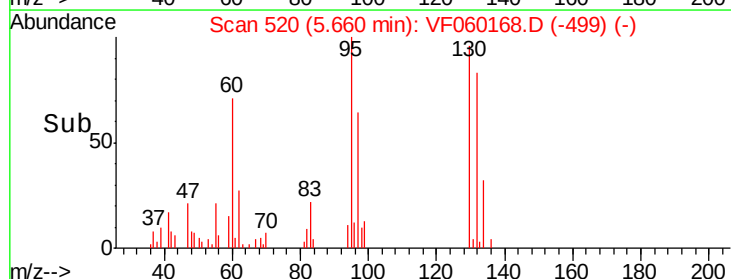
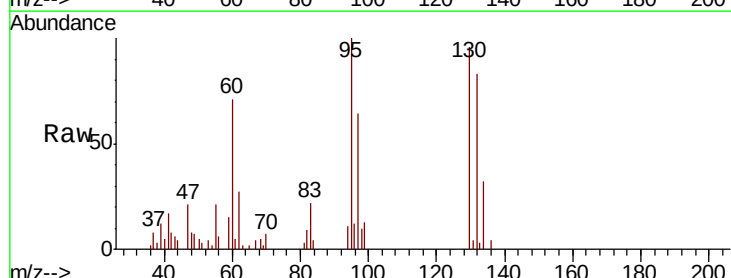
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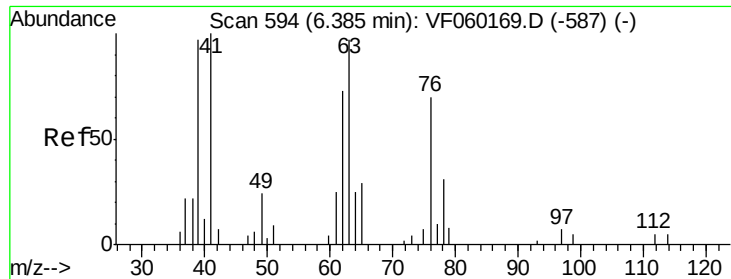
apatel
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#44
Trichloroethene
Concen: 24.04 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	230.8





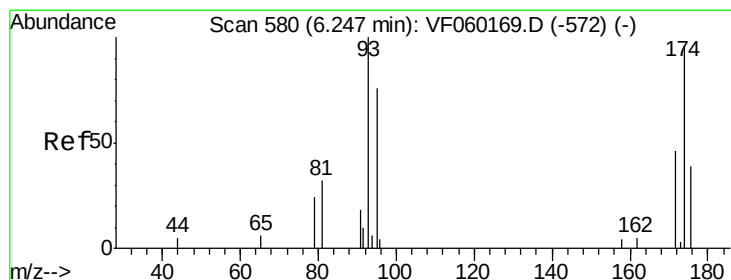
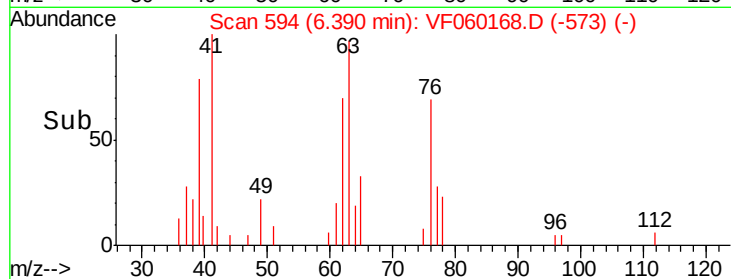
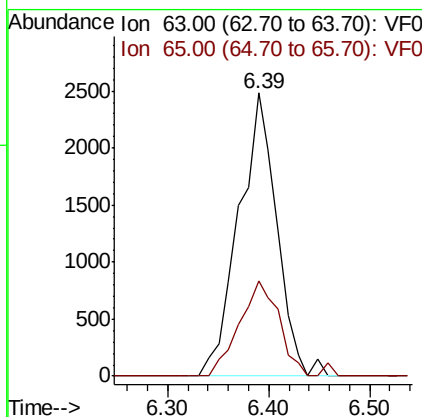
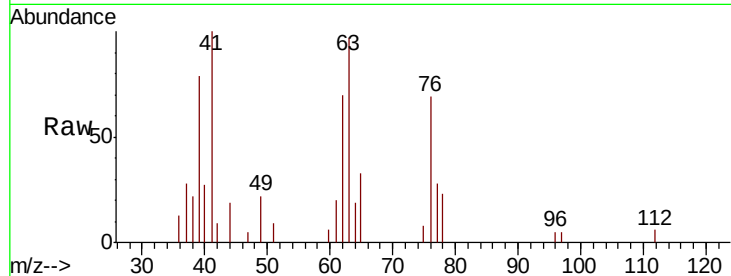
#45
 1,2-Dichloropropane
 Concen: 13.17 ug/l
 RT: 6.39 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 6522
 Ion Ratio Lower Upper
 63 100
 65 33.7 23.6 35.4

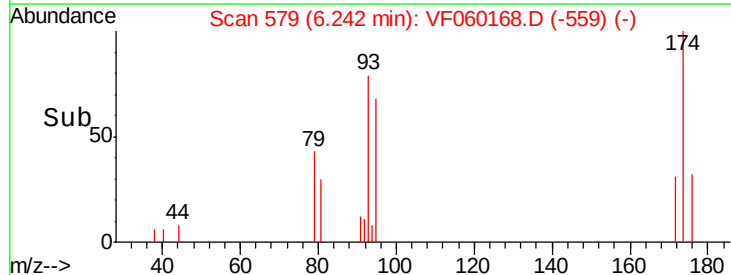
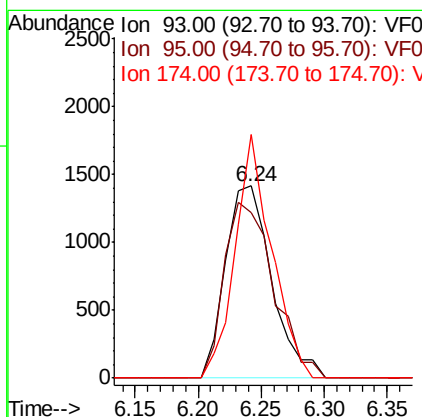
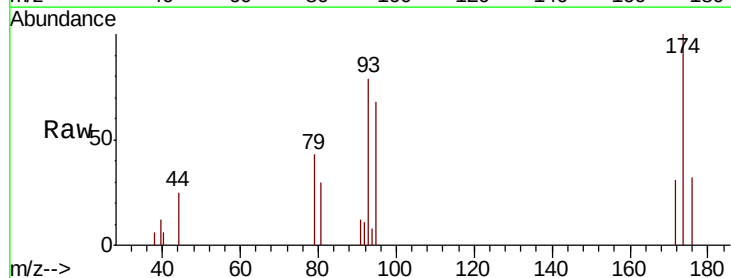
Manual Integrations
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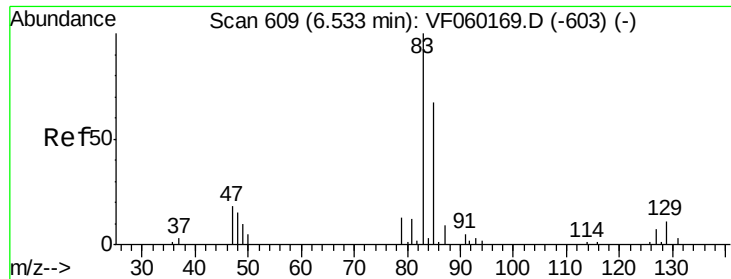
apatel
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#46
 Dibromomethane
 Concen: 9.63 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Tgt Ion: 93 Resp: 3612
 Ion Ratio Lower Upper
 93 100
 95 86.5 60.8 91.2
 174 126.9 76.8 115.2#





#47

Bromodichloromethane

Concen: 14.61 ug/l

RT: 6.54 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 13779

Ion Ratio Lower Upper

83 100

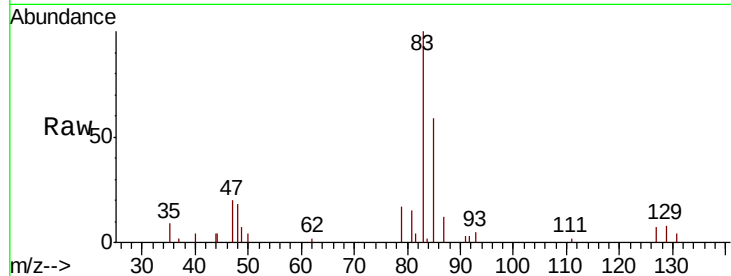
85 59.4 53.3 79.9

127 7.2 5.7 8.5

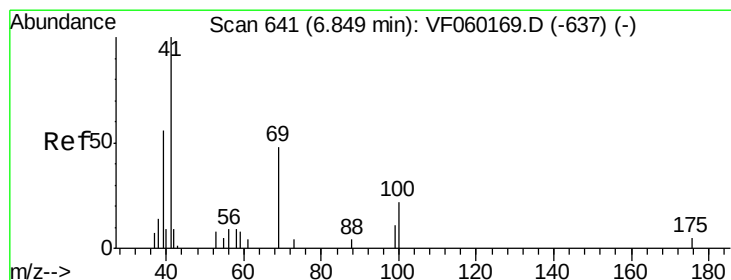
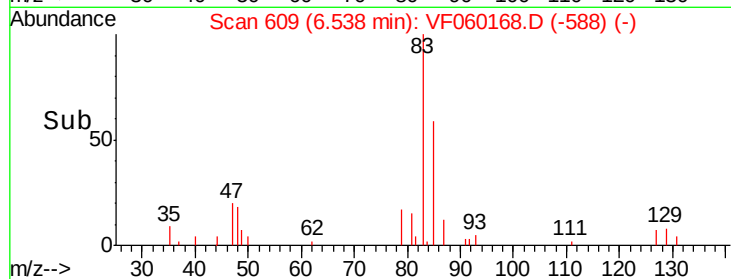
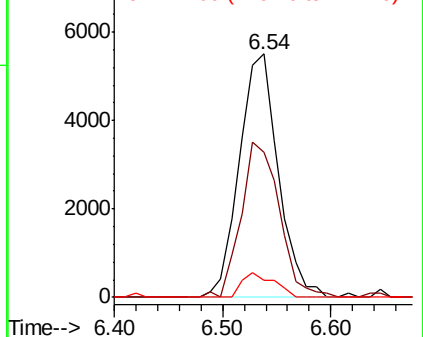
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 7.09 ug/l

RT: 6.85 min Scan# 641

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

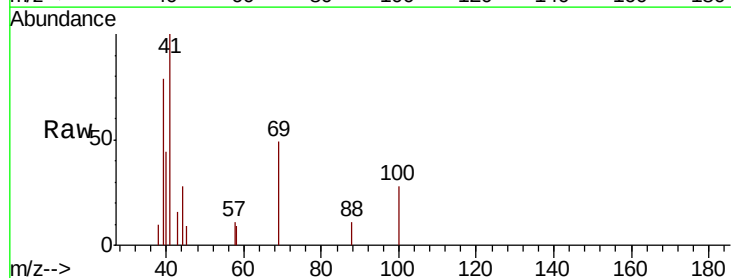
Tgt Ion: 41 Resp: 2652

Ion Ratio Lower Upper

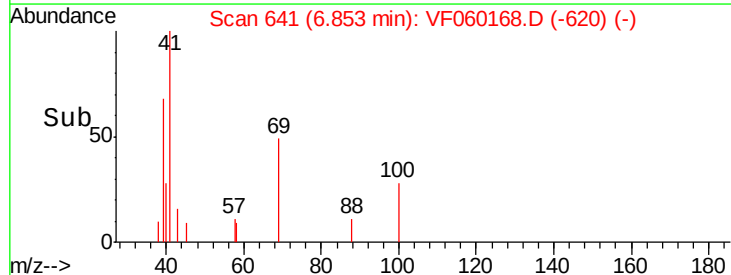
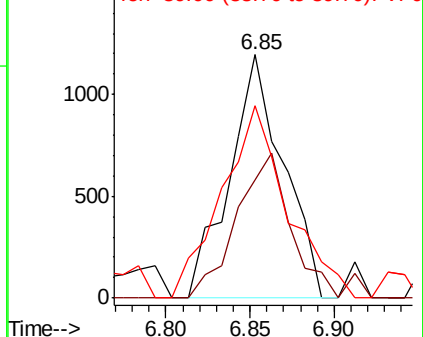
41 100

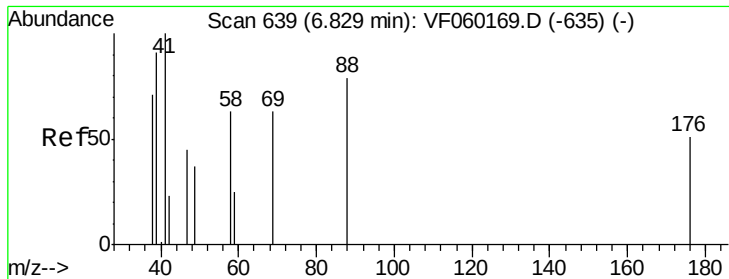
69 48.7 38.2 57.2

39 79.2 56.2 84.2



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





#49

1,4-Dioxane

Concen: 97.15 ug/l

RT: 6.84 min Scan# 640

Delta R.T. 0.01 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

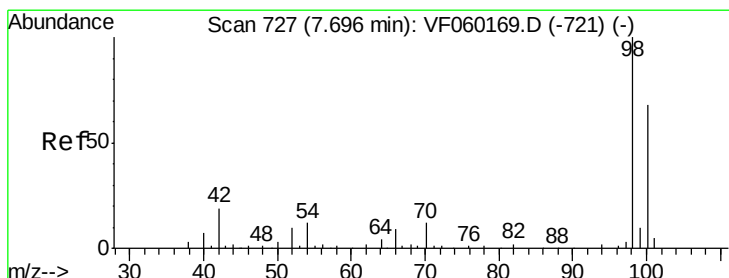
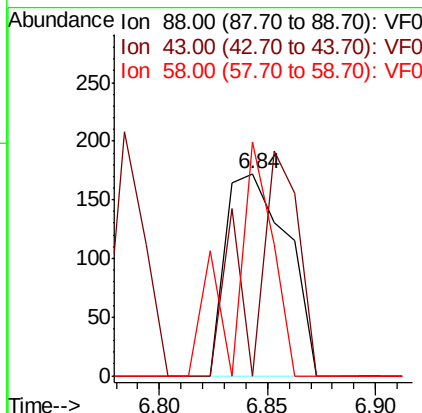
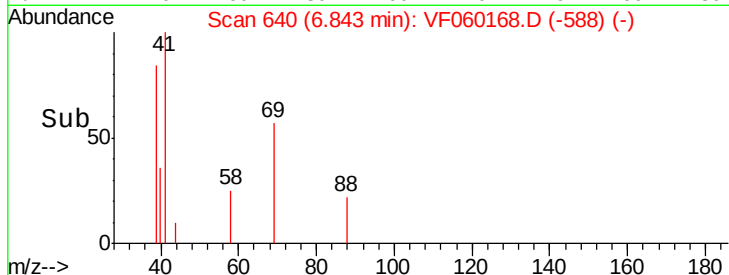
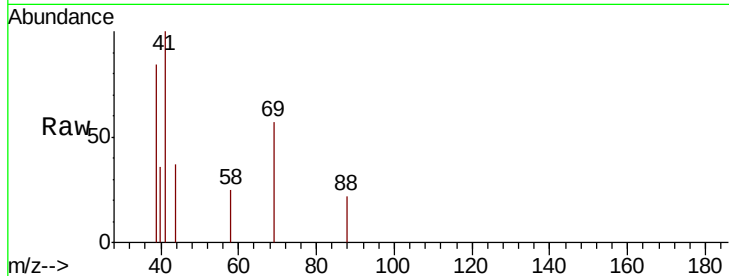
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.5	36.7#
58	115.7	63.8	95.8#

Manual Integrations
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#50

Toluene-d8

Concen: 19.08 ug/l

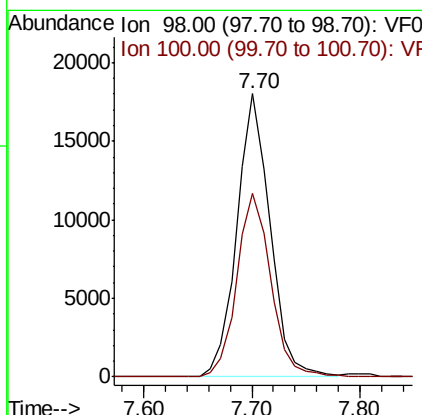
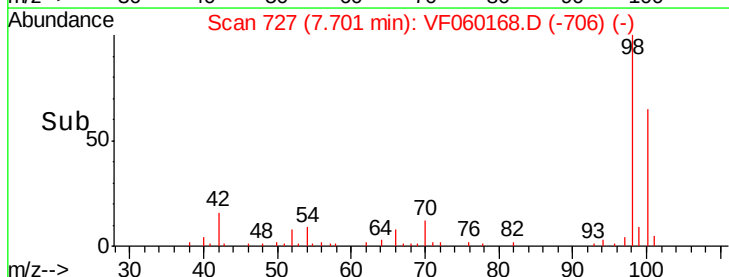
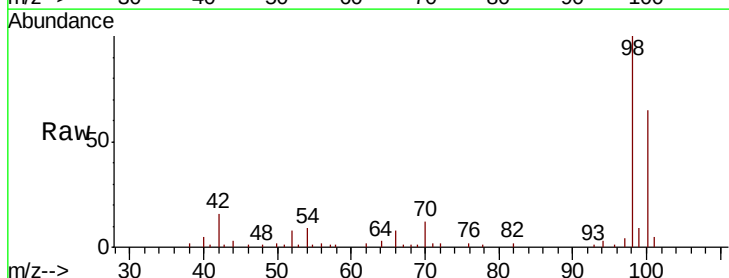
RT: 7.70 min Scan# 727

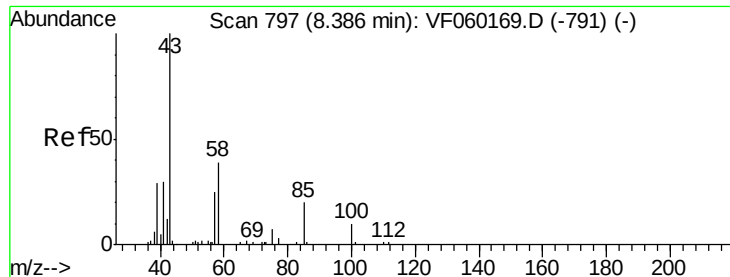
Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	54.5	81.7





#51

4-Methyl-2-Pentanone

Concen: 35.58 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 17353

Ion Ratio Lower Upper

43 100

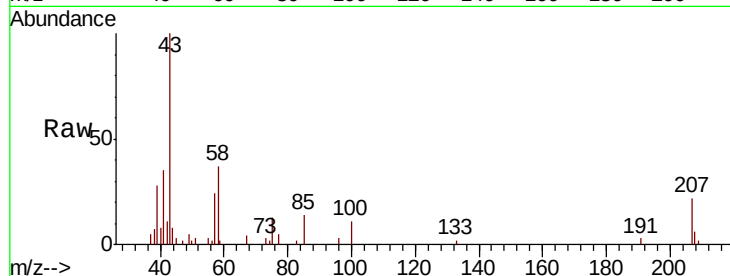
58 37.5 31.0 46.6

Manual Integrations

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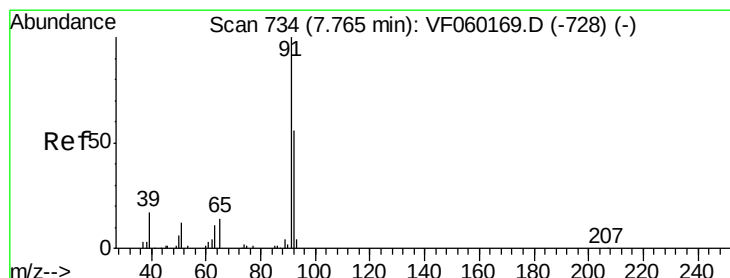
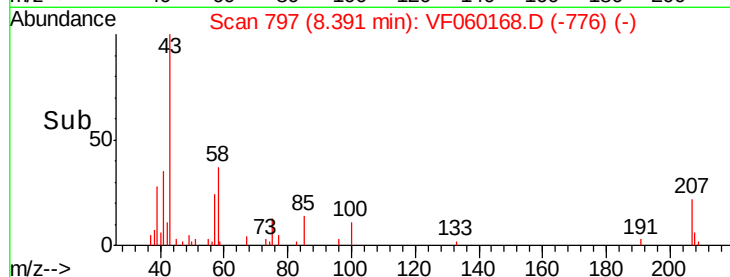
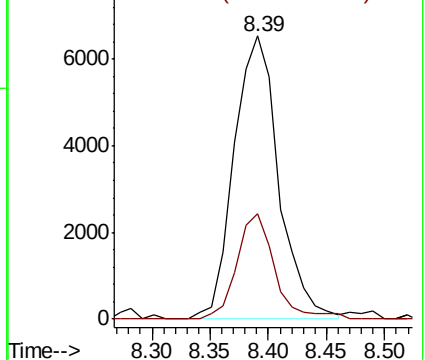
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.54 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF060168.D

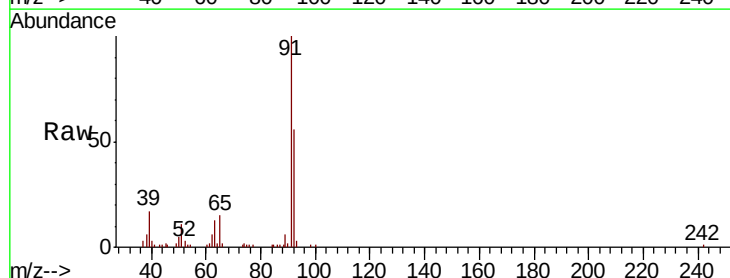
Acq: 29 Aug 2018 00:59

Tgt Ion: 92 Resp: 26660

Ion Ratio Lower Upper

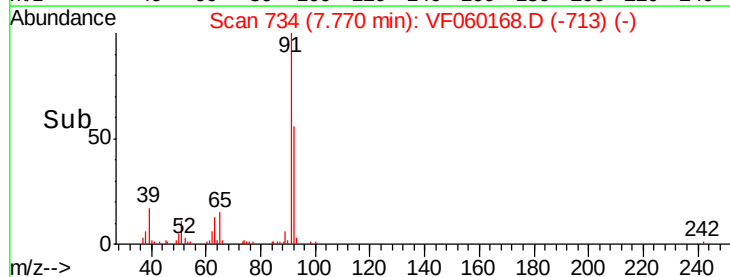
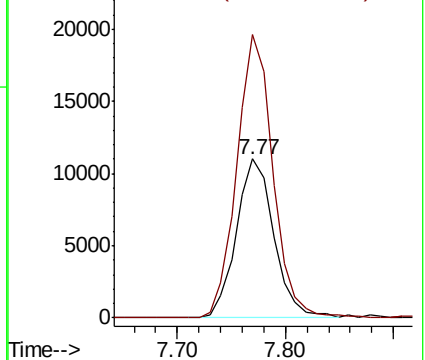
92 100

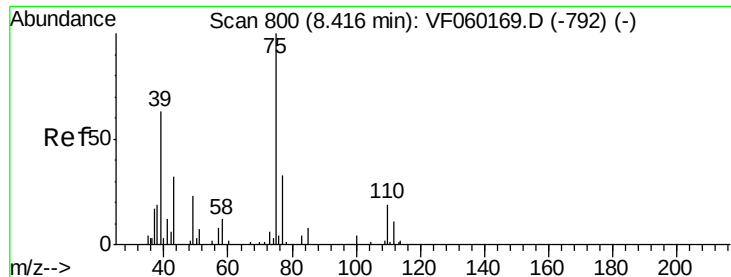
91 178.0 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 9.02 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 7423

Ion Ratio Lower Upper

75 100

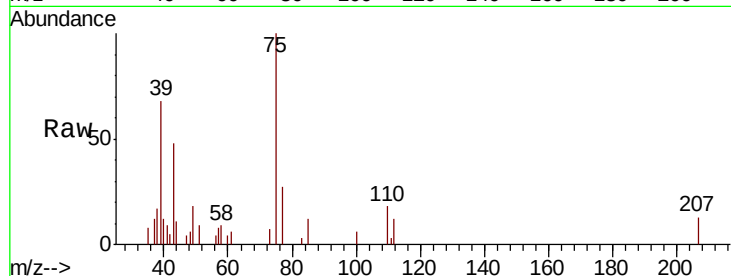
77 27.2 26.4 39.6

Manual Integrations

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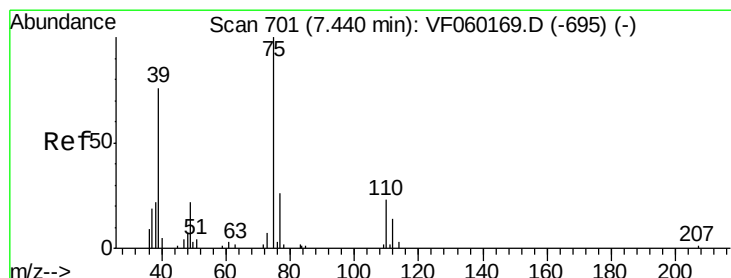
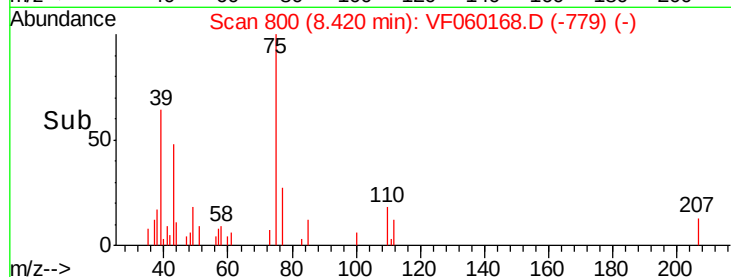
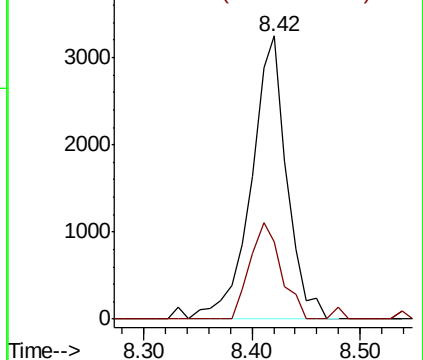
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 10.17 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

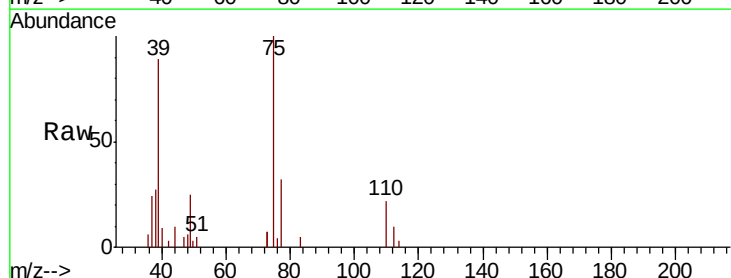
Tgt Ion: 75 Resp: 9324

Ion Ratio Lower Upper

75 100

77 31.6 20.7 31.1#

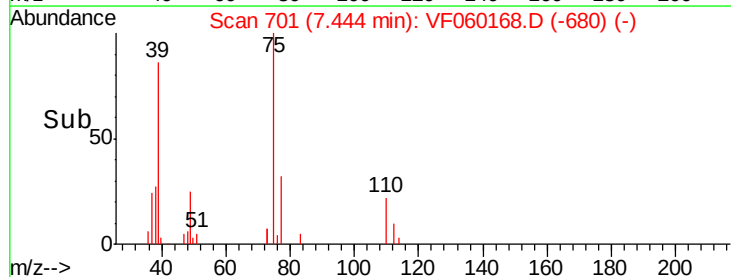
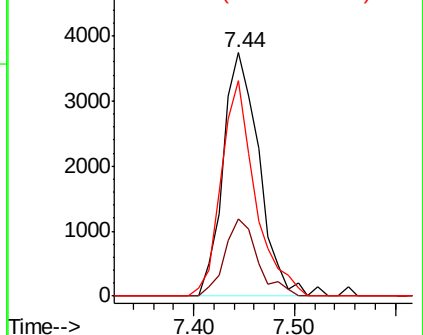
39 88.6 60.9 91.3

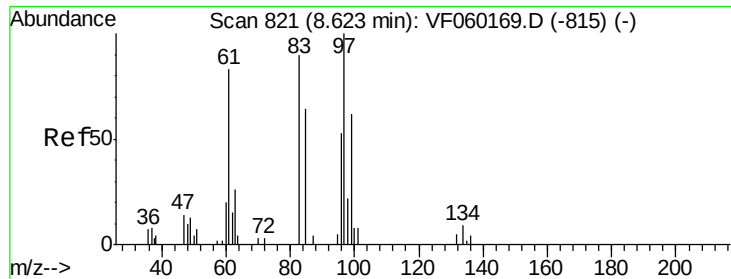


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 9.38 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

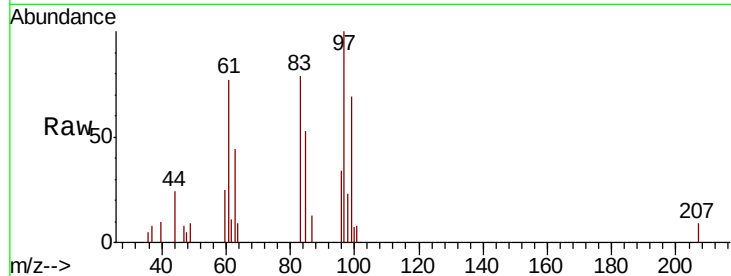
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	4219
Ion	Ratio	Lower	Upper
97	100		
83	79.4	72.0	108.0
85	52.7	51.0	76.4
99	68.7	49.5	74.3

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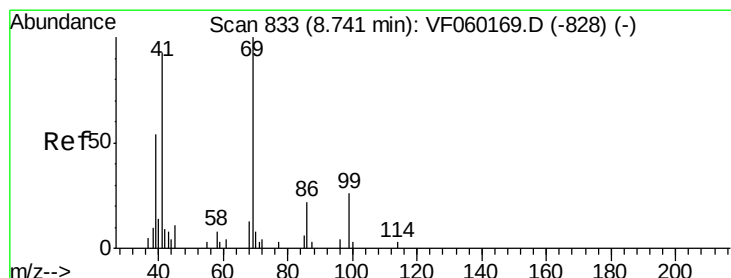
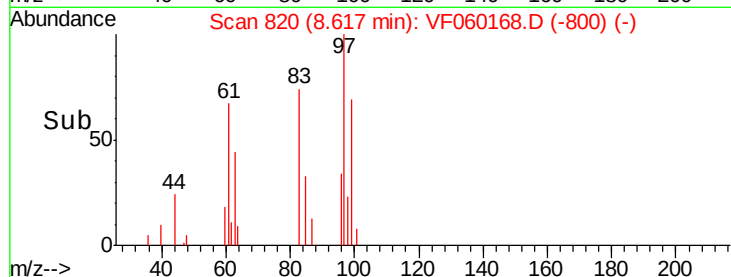
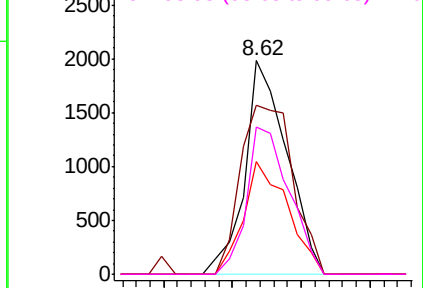


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 6.70 ug/l

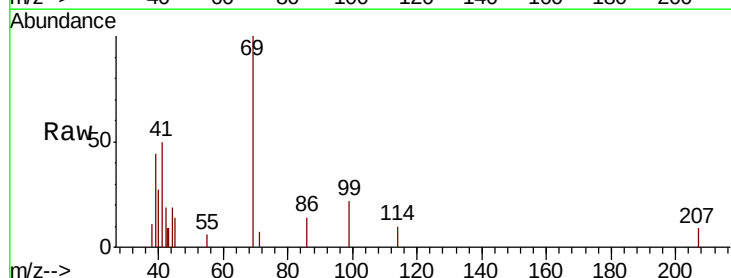
RT: 8.76 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

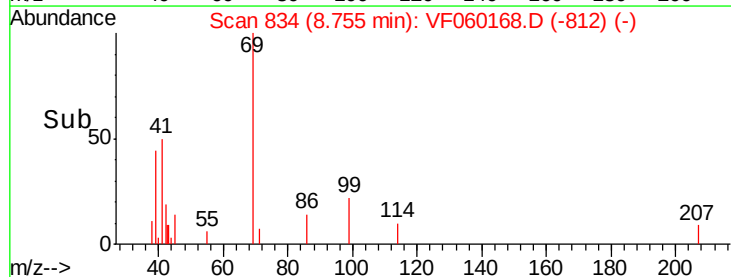
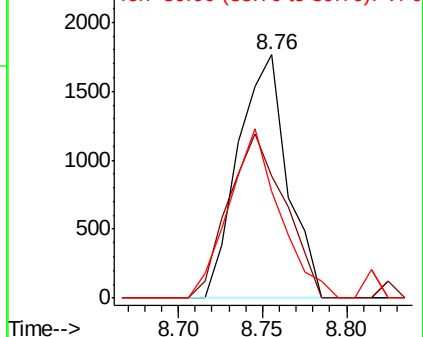
Tgt Ion:	69	Resp:	3566
Ion	Ratio	Lower	Upper
69	100		
41	49.9	74.6	111.8#
39	43.6	46.2	69.4#

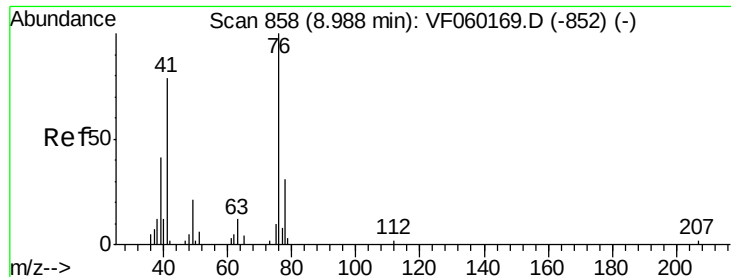


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 9.41 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 7437

Ion Ratio Lower Upper

76 100

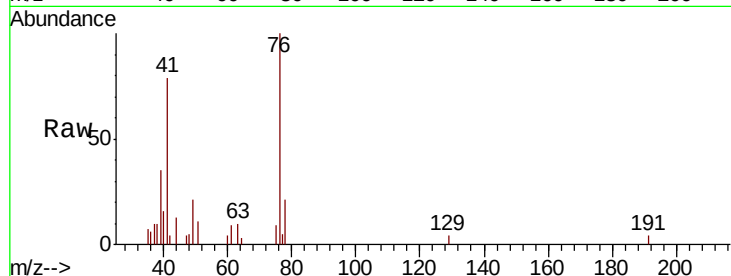
78 21.2 24.6 37.0#

Manual Integrations

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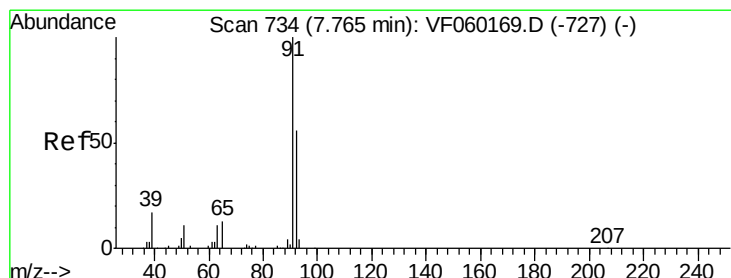
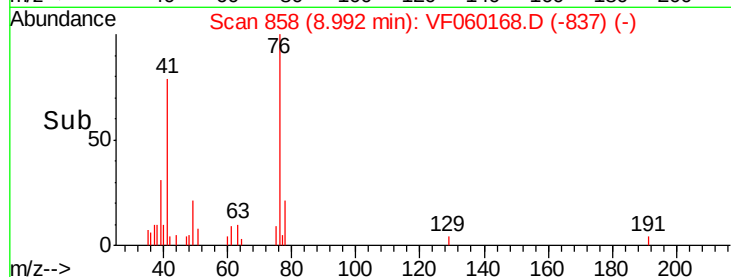
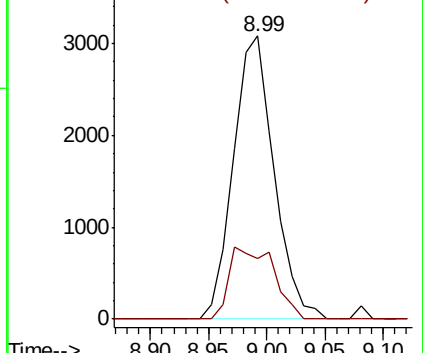
apatel

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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: 111.50 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF060168.D

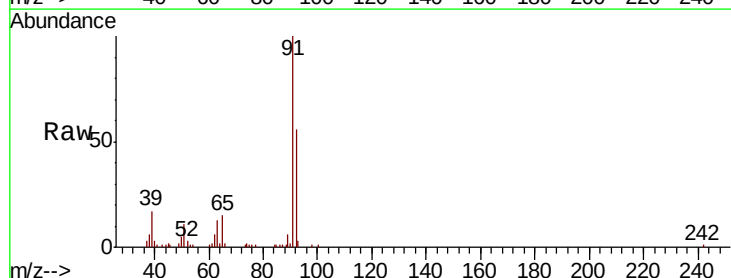
Acq: 29 Aug 2018 00:59

Tgt Ion: 63 Resp: 5571

Ion Ratio Lower Upper

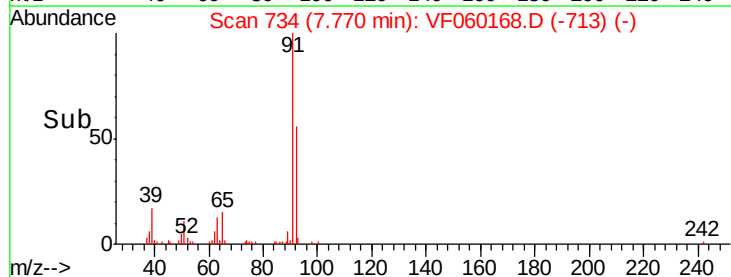
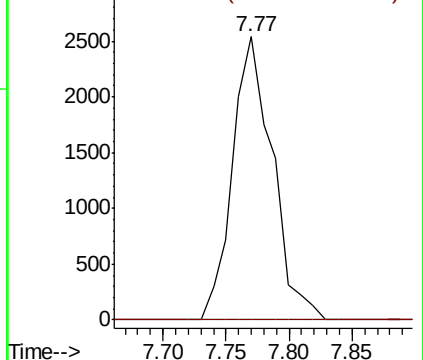
63 100

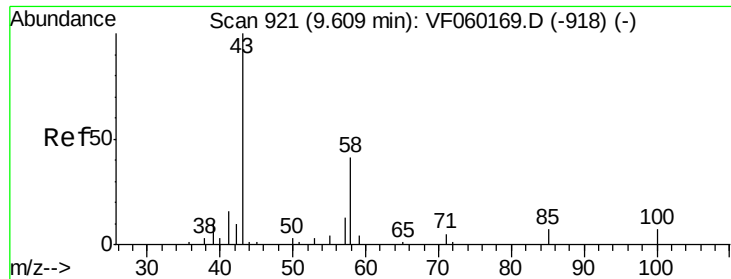
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 27.91 ug/l

RT: 9.62 min Scan# 922

Delta R.T. 0.01 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 10943

Ion Ratio Lower Upper

43 100

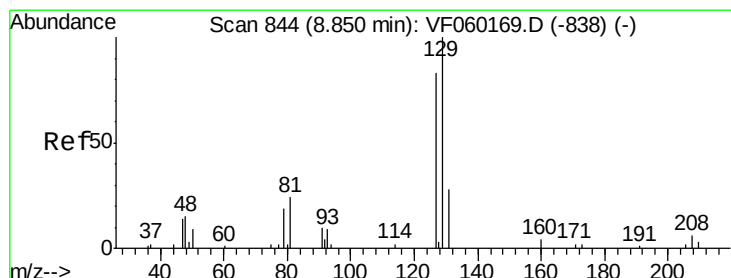
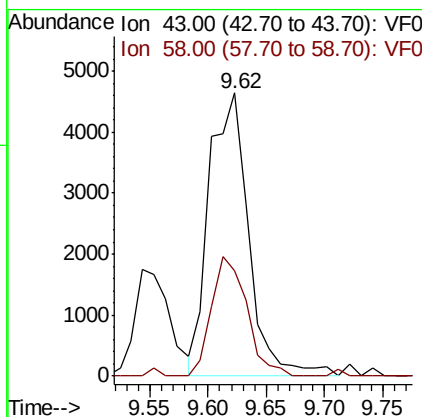
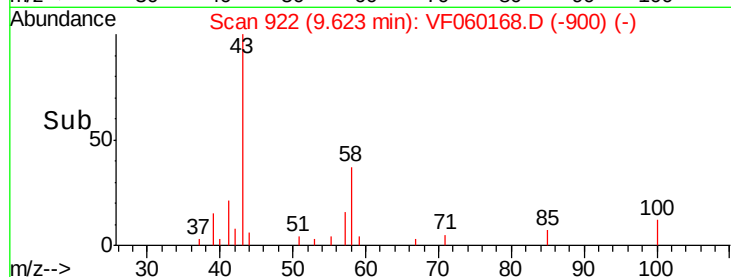
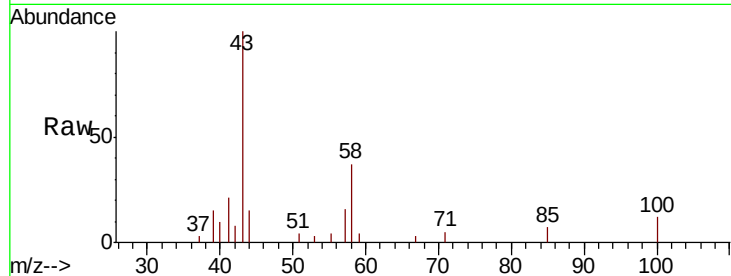
58 37.2 19.4 58.4

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#60

Dibromochloromethane

Concen: 10.94 ug/l

RT: 8.84 min Scan# 843

Delta R.T. -0.01 min

Lab File: VF060168.D

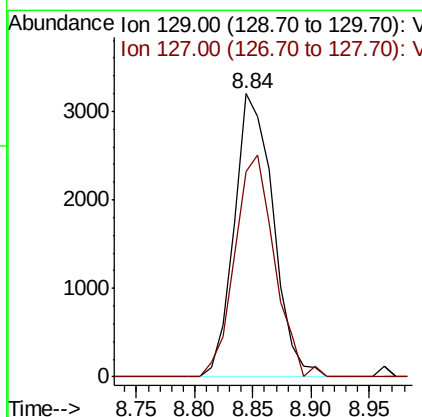
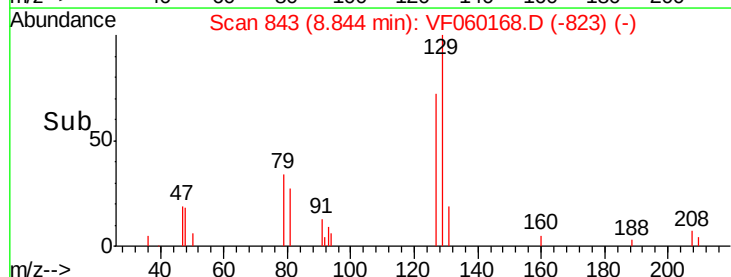
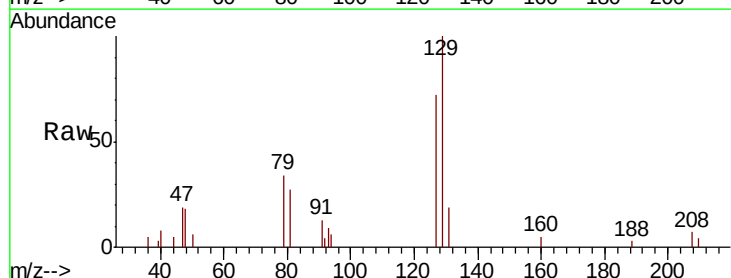
Acq: 29 Aug 2018 00:59

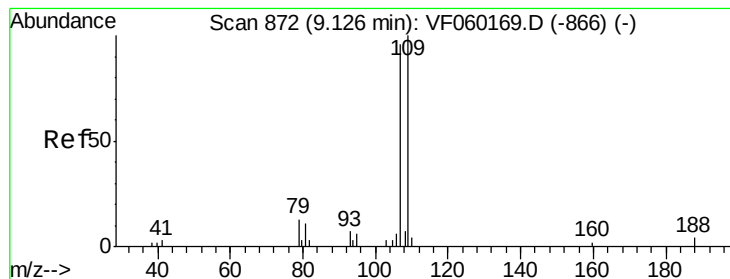
Tgt Ion: 129 Resp: 7408

Ion Ratio Lower Upper

129 100

127 72.5 43.2 129.6





#61

1,2-Dibromoethane

Concen: 8.96 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 4719

Ion Ratio Lower Upper

107 100

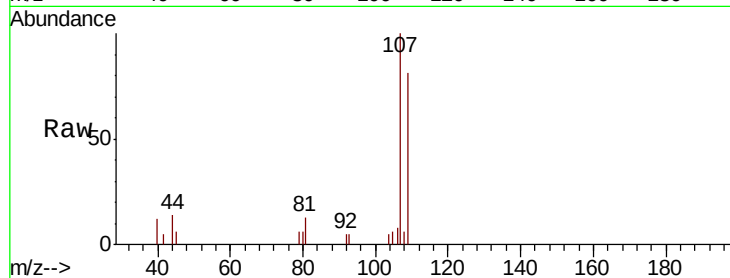
109 80.9 83.4 125.0#

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

2500

2000

1500

1000

500

0

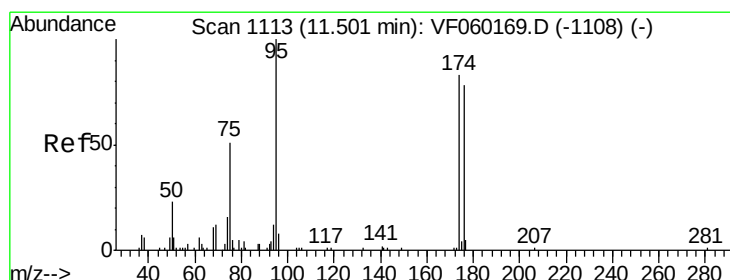
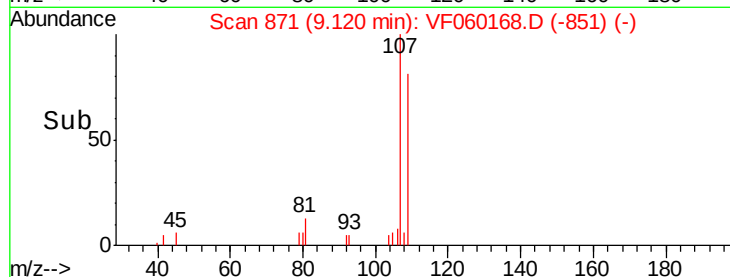
Time-->

9.05

9.10

9.15

9.20



#62

4-Bromofluorobenzene

Concen: 13.06 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

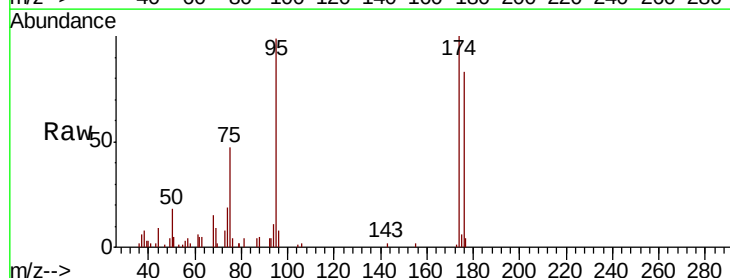
Tgt Ion: 95 Resp: 13257

Ion Ratio Lower Upper

95 100

174 101.1 0.0 165.2

176 83.8 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

11.51

10000

8000

6000

4000

2000

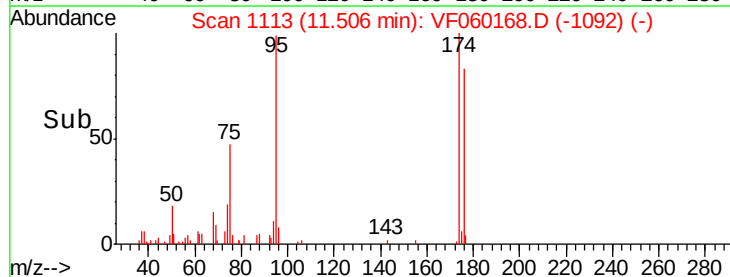
0

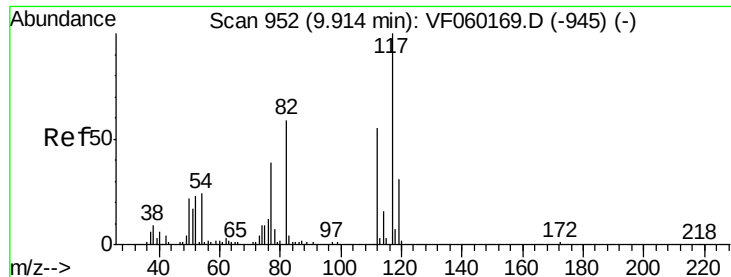
Time-->

11.40

11.50

11.60





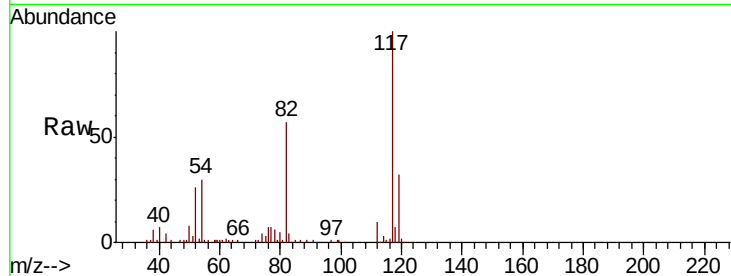
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.2	70.8
119	32.5	25.0	37.4

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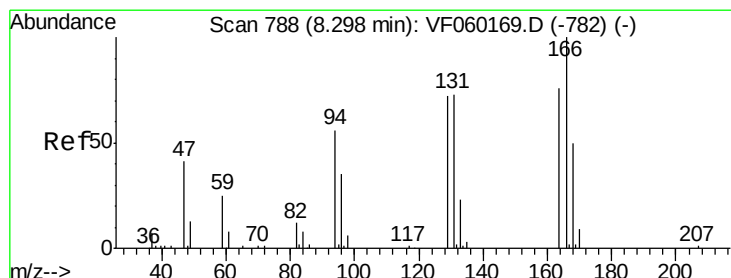
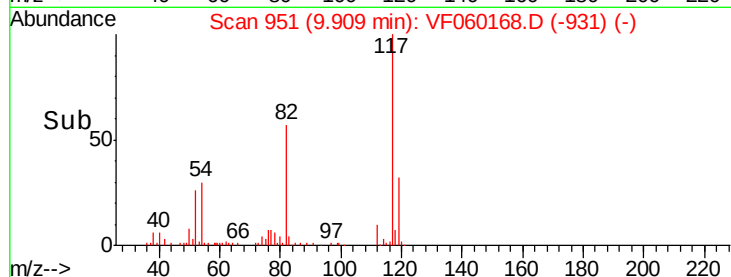
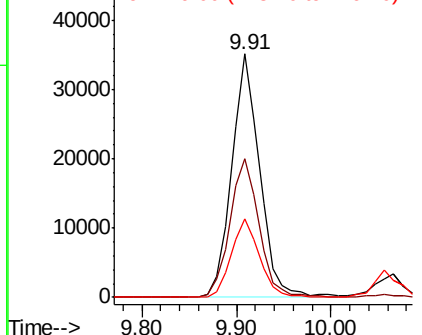


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 31.29 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.5	105.2	157.8
129	99.1	76.2	114.2
131	112.6	77.0	115.6

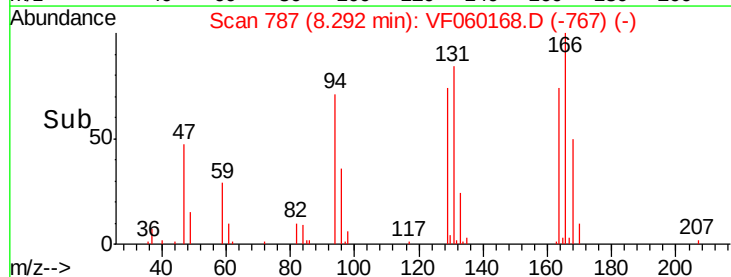
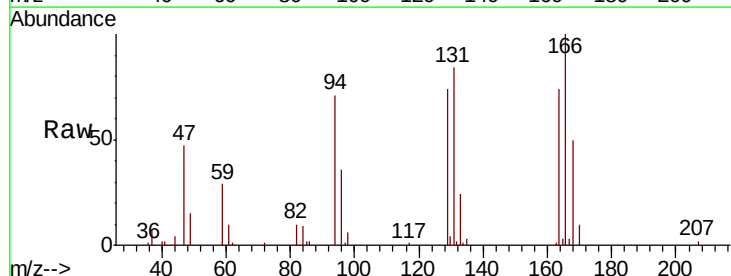
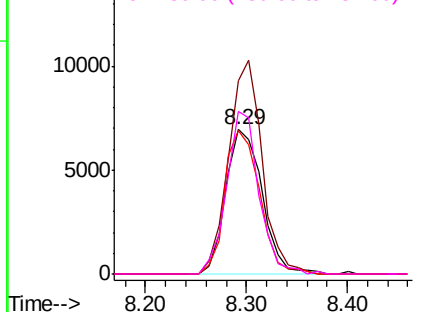
Abundance

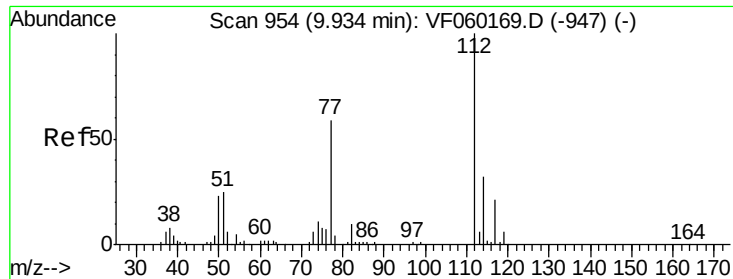
Ion 163.85 (163.55 to 164.55): V

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





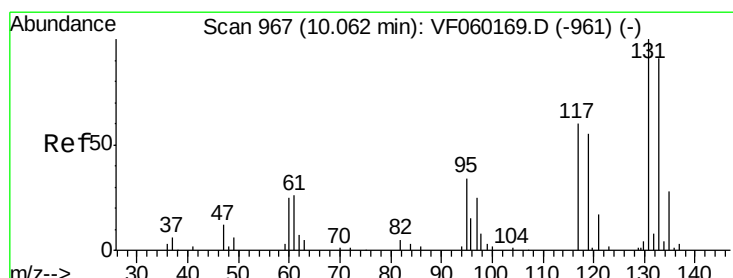
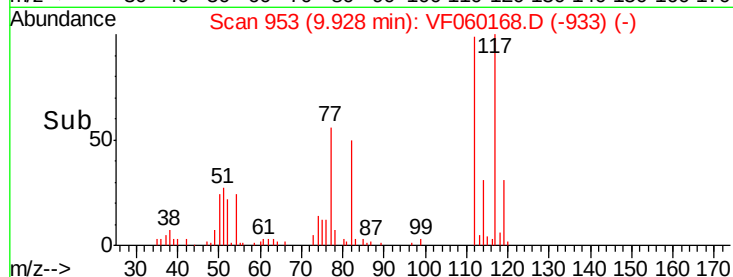
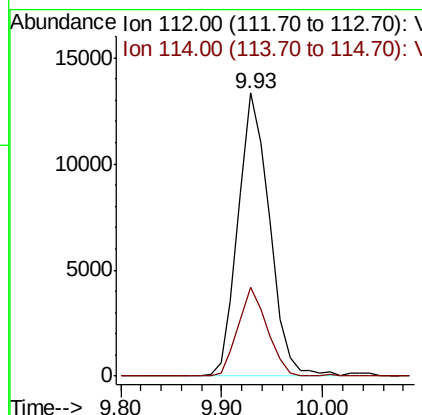
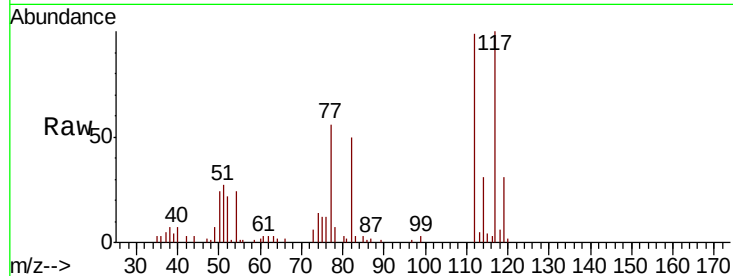
#65
Chlorobenzene
Concen: 21.16 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 29068
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0

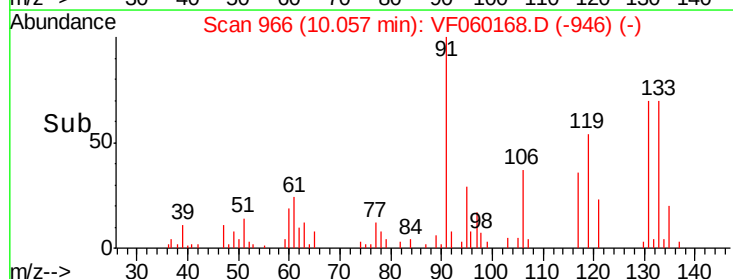
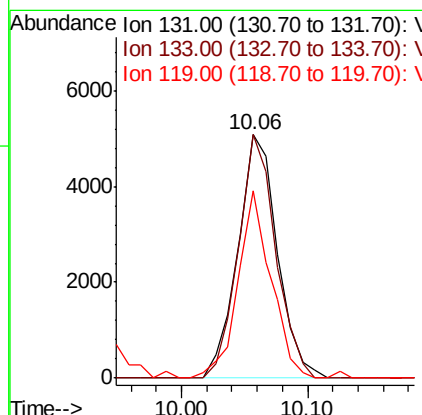
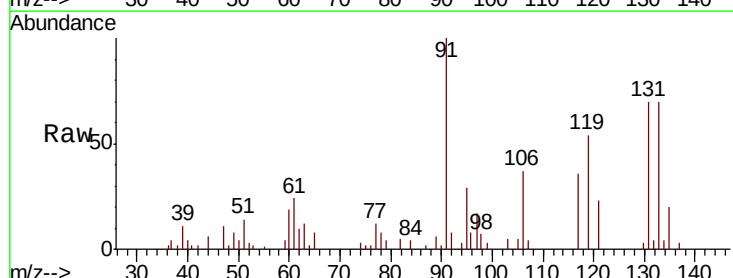
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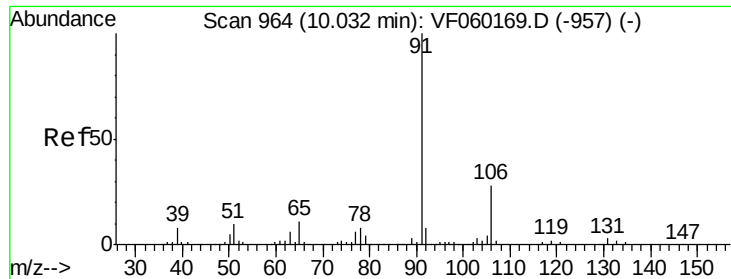
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.37 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Tgt Ion:131 Resp: 11013
Ion Ratio Lower Upper
131 100
133 99.8 45.7 137.1
119 76.9 28.1 84.3





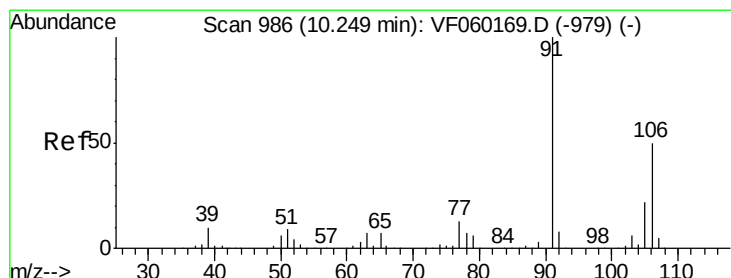
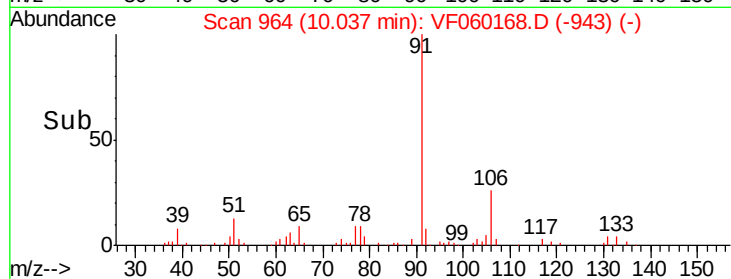
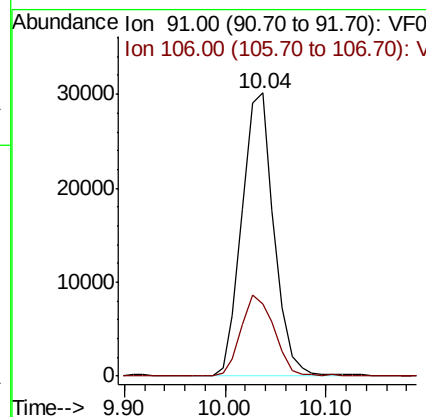
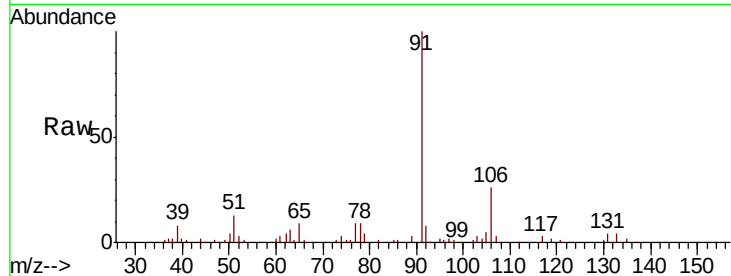
#67
Ethyl Benzene
Concen: 26.21 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 66871
Ion Ratio Lower Upper
91 100
106 25.6 22.8 34.2

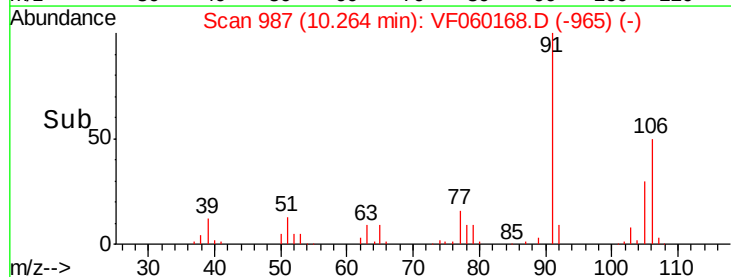
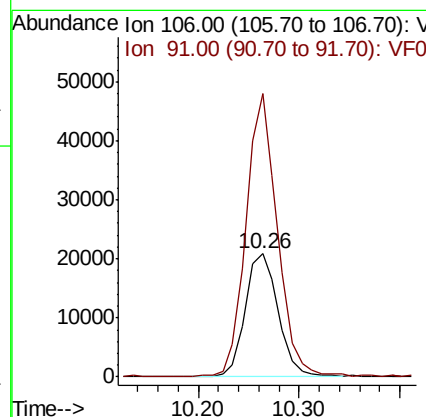
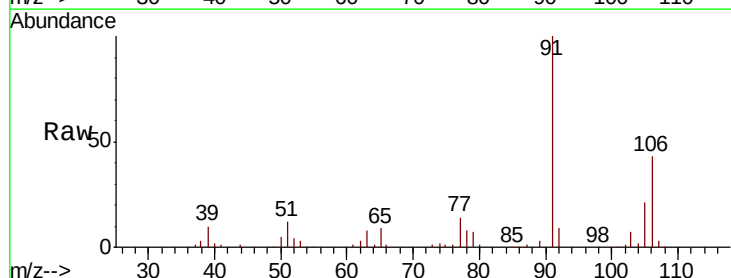
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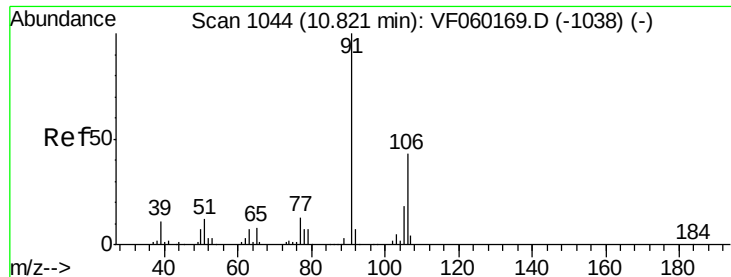
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#68
m/p-Xylenes
Concen: 49.86 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Tgt Ion:106 Resp: 47573
Ion Ratio Lower Upper
106 100
91 230.1 161.3 241.9





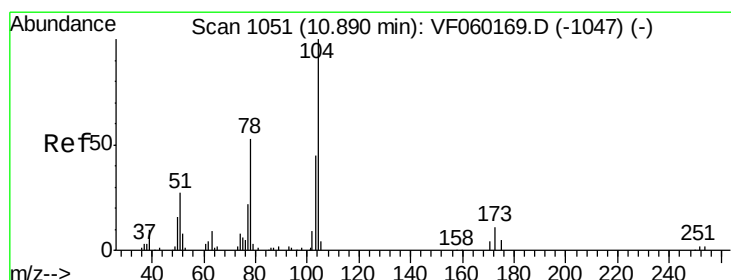
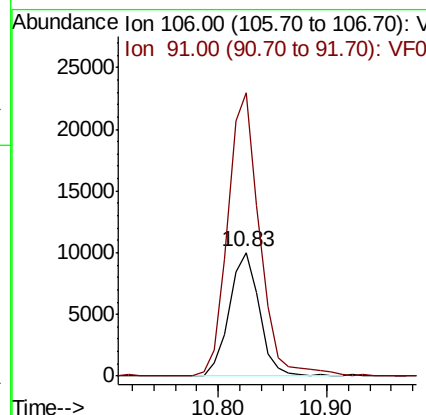
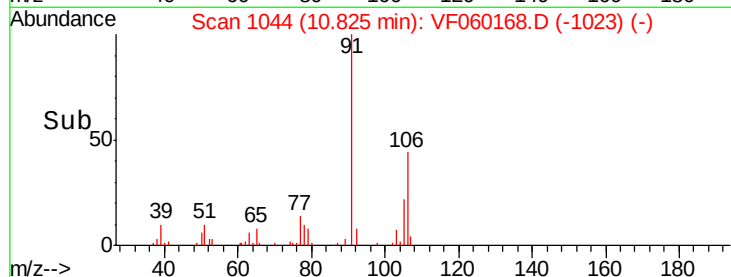
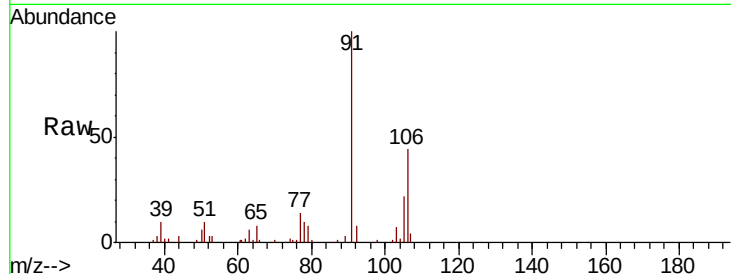
#69
o-Xylene
Concen: 20.75 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	229.0	117.0	350.8

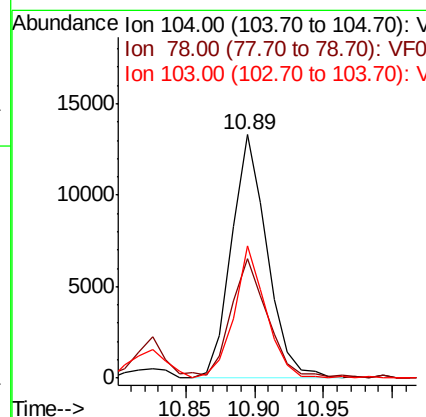
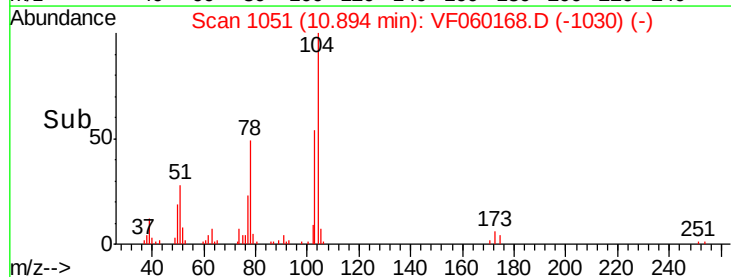
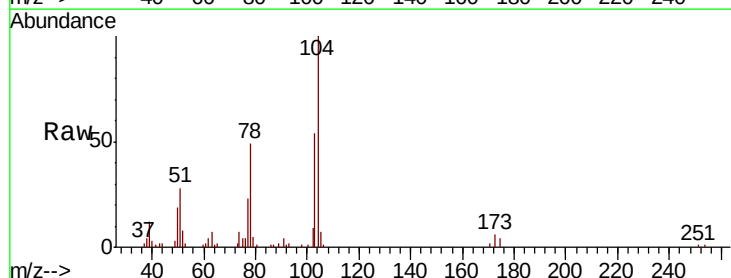
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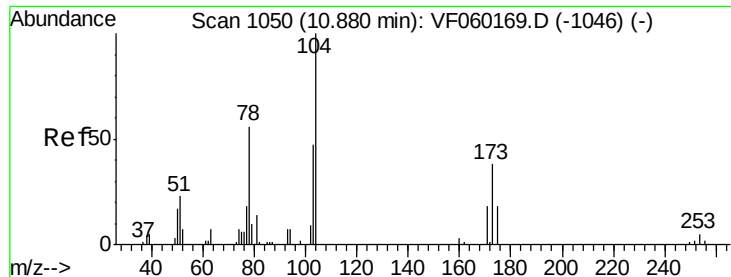
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#70
Styrene
Concen: 17.23 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	42.6	64.0
103	54.3	36.8	55.2





#71

Bromoform

Concen: 11.35 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 3756

Ion Ratio Lower Upper

173 100

175 32.5 23.8 71.2

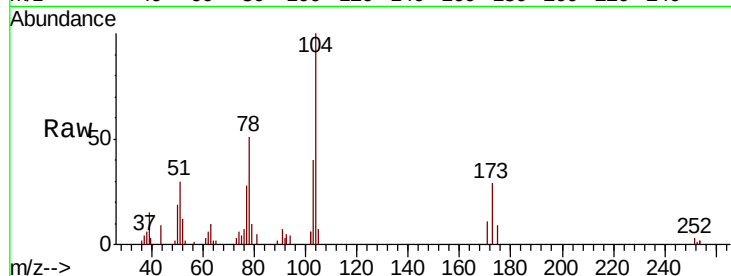
254 0.0 0.0 0.0

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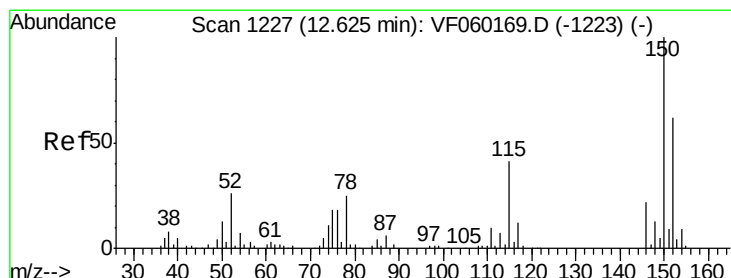
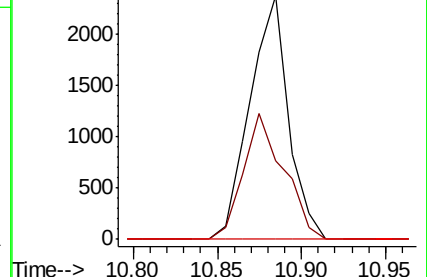
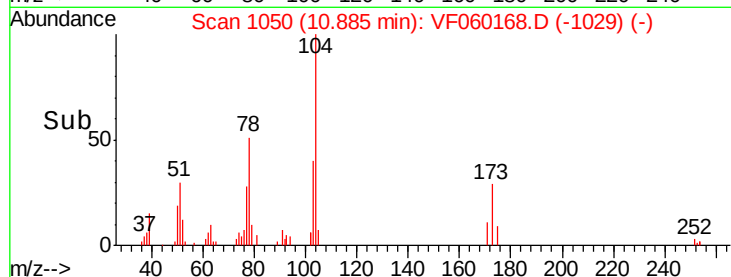
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

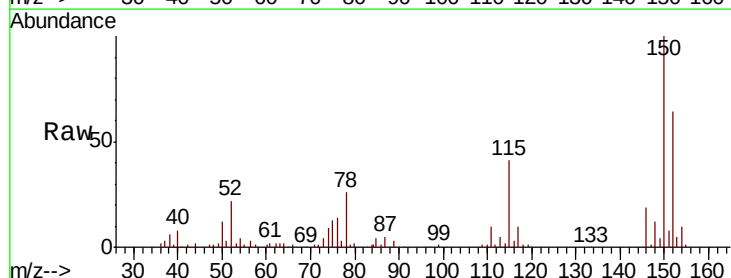
Tgt Ion:152 Resp: 35081

Ion Ratio Lower Upper

152 100

115 63.9 33.2 99.6

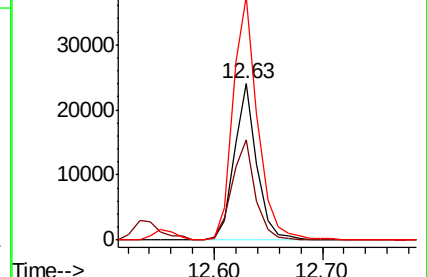
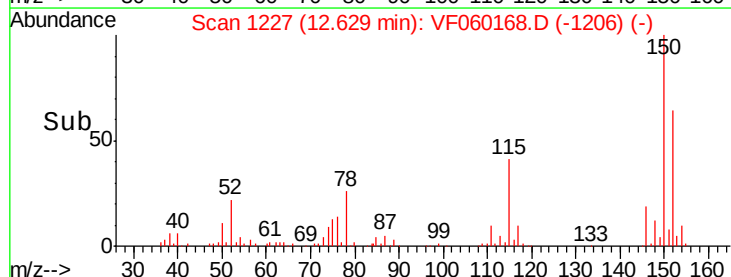
150 155.6 0.0 325.6

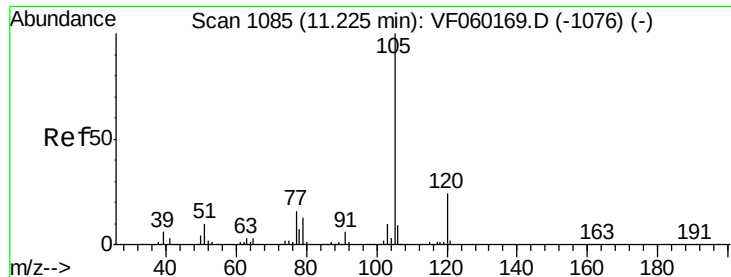


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 33.04 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 80629

Ion Ratio Lower Upper

105 100

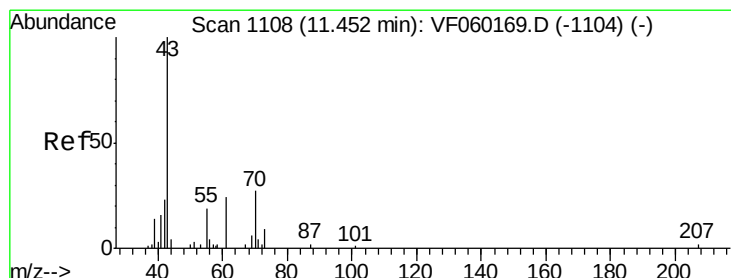
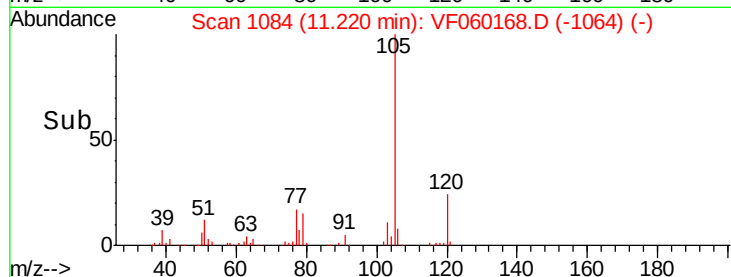
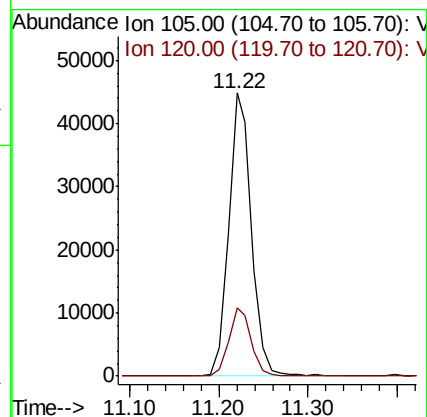
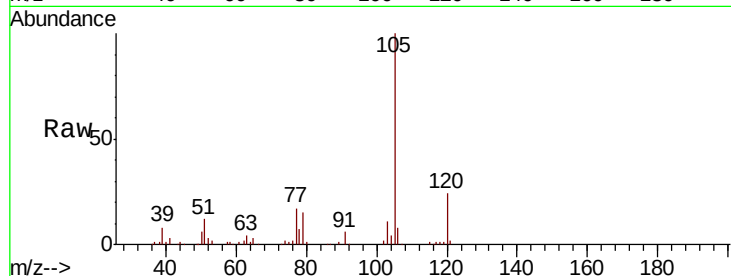
120 24.1 12.0 36.1

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#74

N-ethyl acetate

Concen: 9.19 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Tgt Ion: 43 Resp: 5356

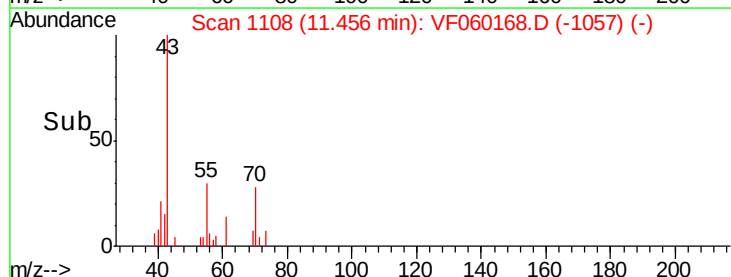
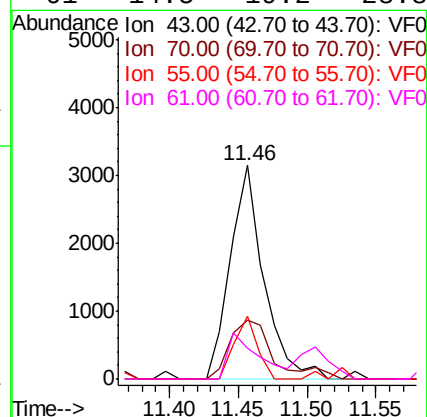
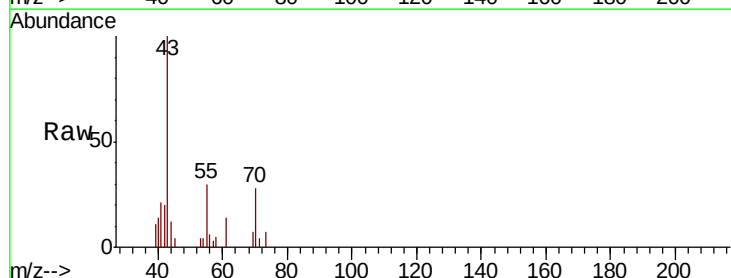
Ion Ratio Lower Upper

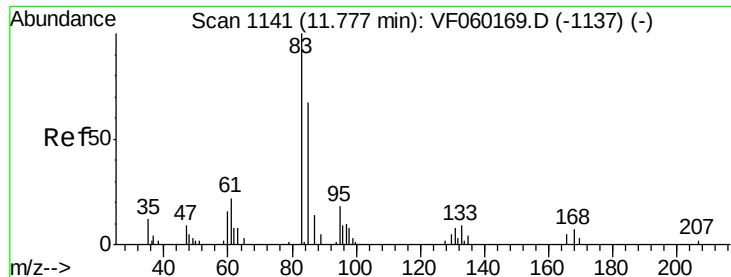
43 100

70 27.8 22.0 33.0

55 29.7 15.2 22.8#

61 14.5 19.2 28.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 12.50 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

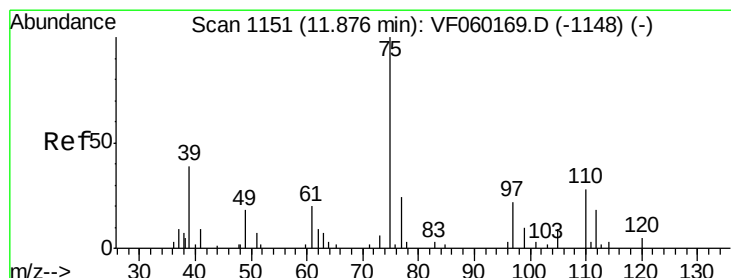
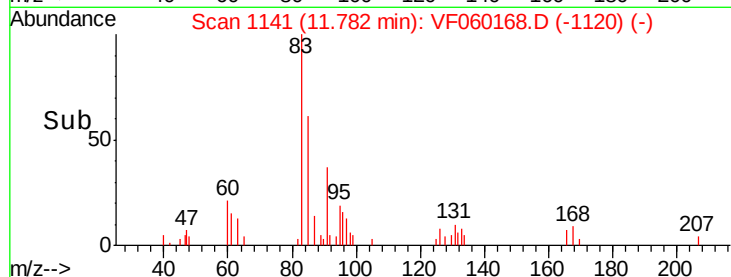
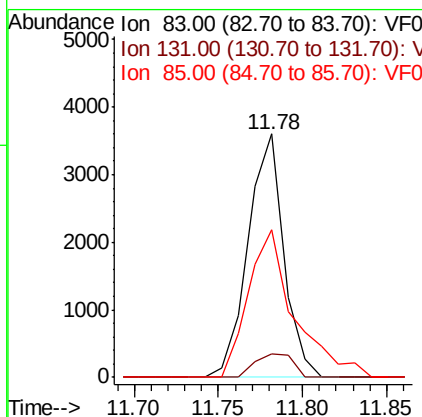
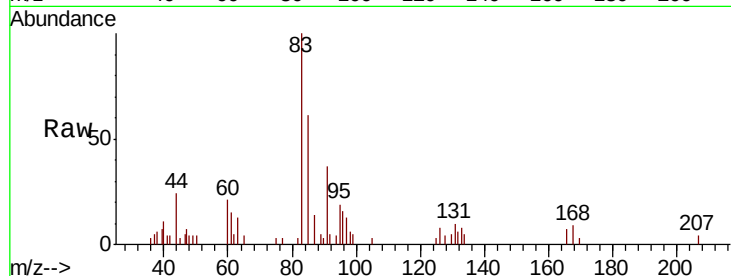
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	5278
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.0	12.0
85	60.5	34.9	104.7

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#76

1,2,3-Trichloropropane

Concen: 15.54 ug/l

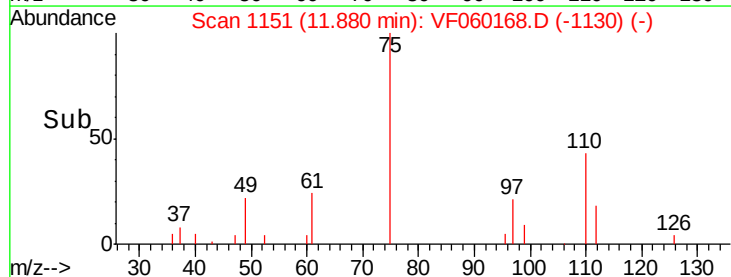
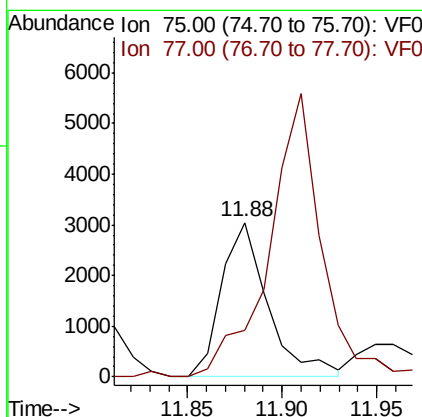
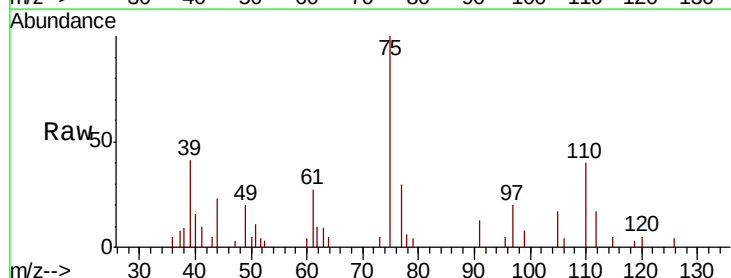
RT: 11.88 min Scan# 1151

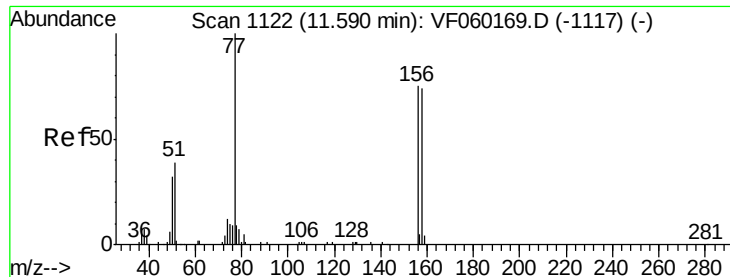
Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Tgt Ion:	75	Resp:	5215
Ion	Ratio	Lower	Upper
75	100		
77	29.8	12.8	38.3





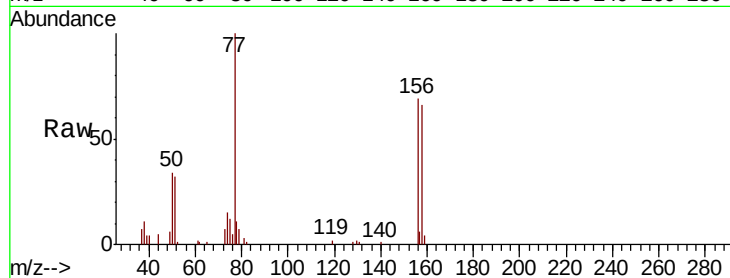
#77
Bromobenzene
Concen: 20.79 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

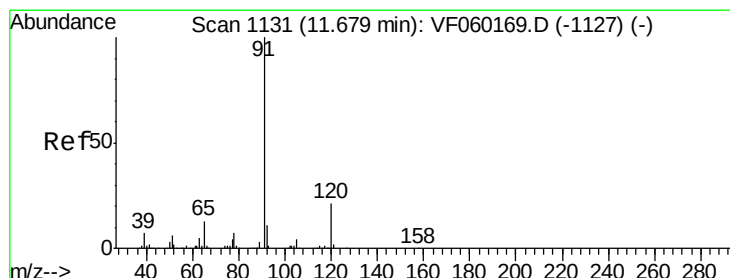
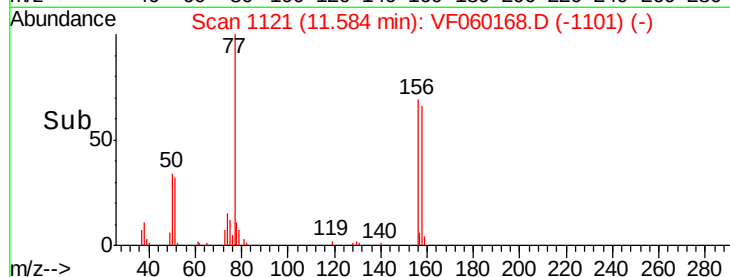
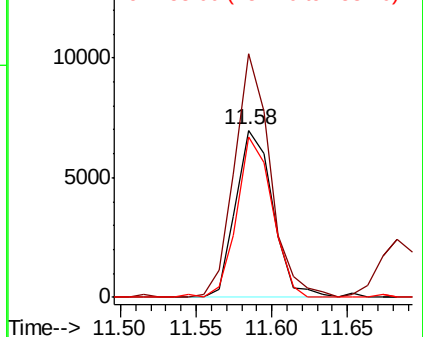
Tot Ion	Ratio	Lower	Upper
156	100		
77	145.7	66.8	200.6
158	95.7	49.7	149.1

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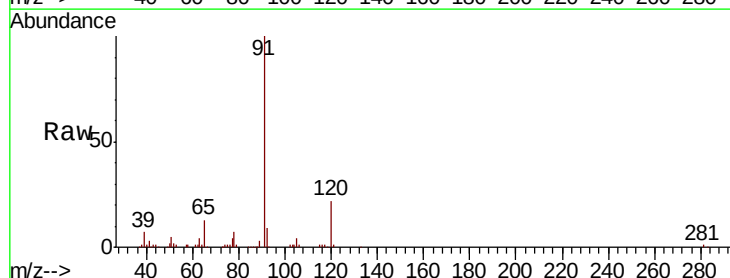


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VF0
Ion 158.00 (157.70 to 158.70): V

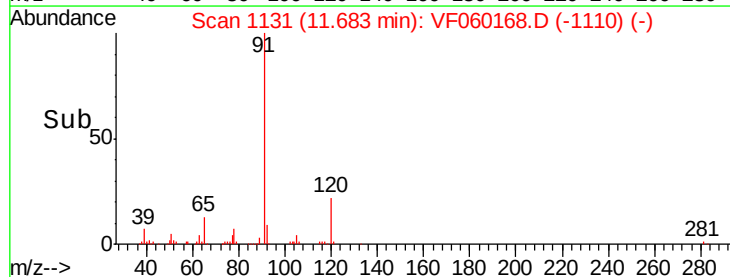
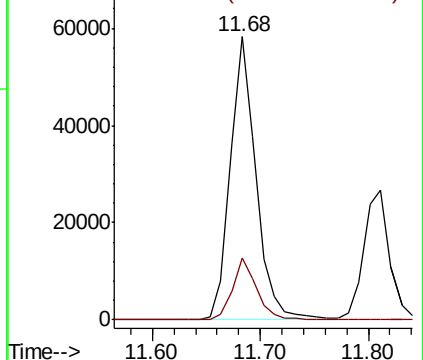


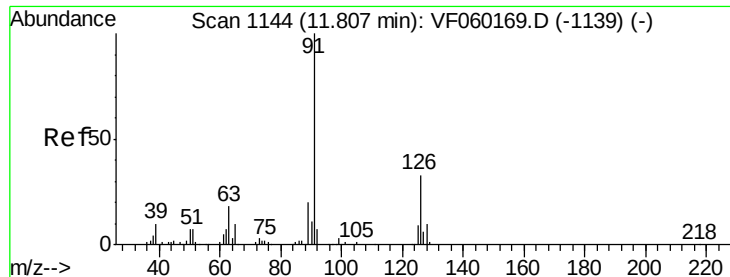
#78
n-propylbenzene
Concen: 32.48 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.3



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 26.25 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 43308

Ion Ratio Lower Upper

91 100

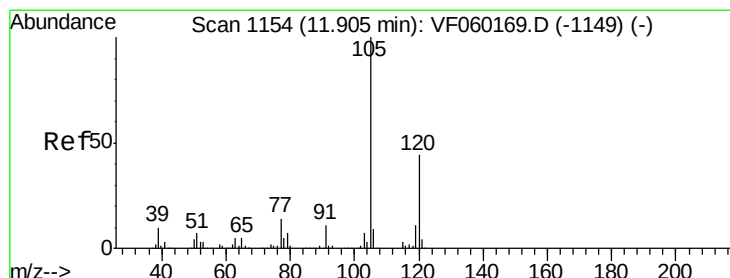
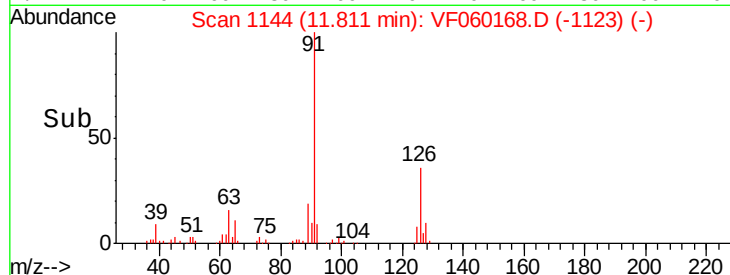
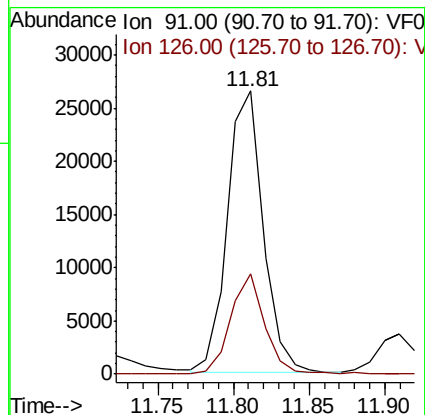
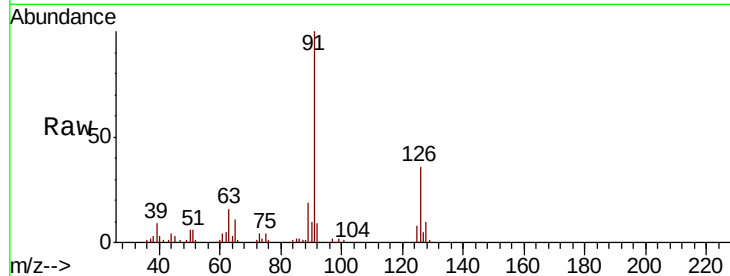
126 35.6 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 30.51 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF060168.D

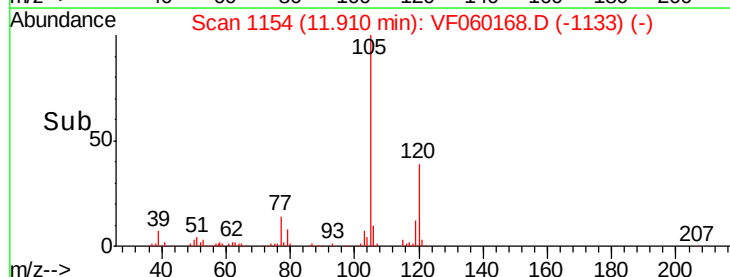
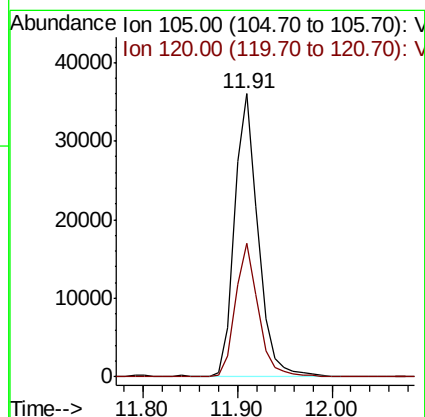
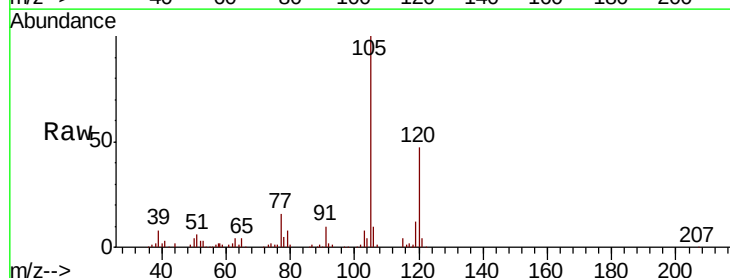
Acq: 29 Aug 2018 00:59

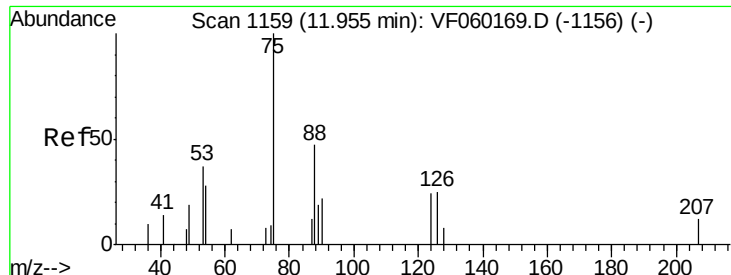
Tgt Ion: 105 Resp: 62169

Ion Ratio Lower Upper

105 100

120 47.3 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 8.90 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Instrument :

MSVOA_F

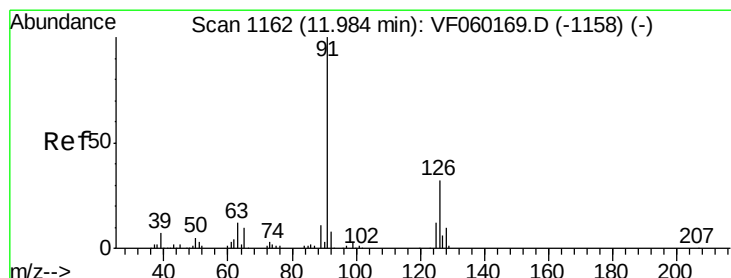
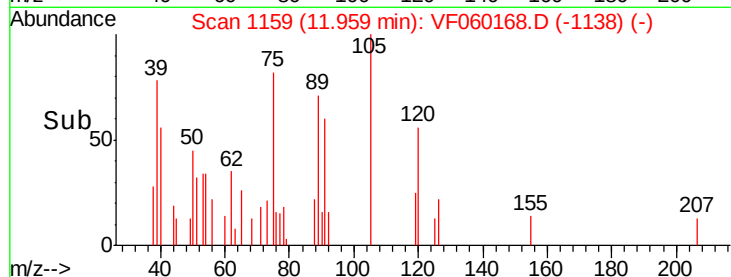
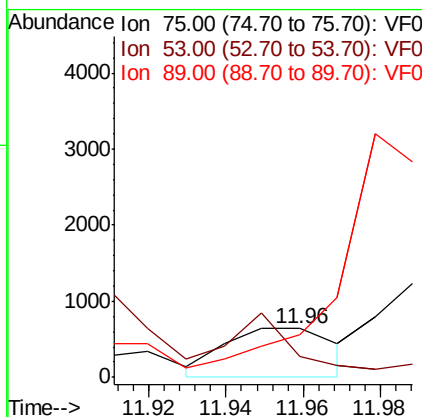
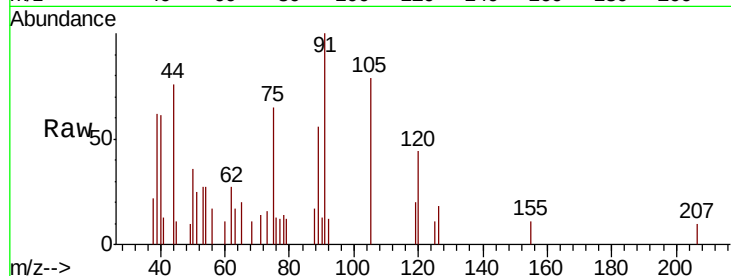
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	1284
Ion Ratio	Lower	Upper	
75	100		
53	41.9	53.4	80.0#
89	86.9	28.9	43.3#

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#82

4-Chlorotoluene

Concen: 26.24 ug/l

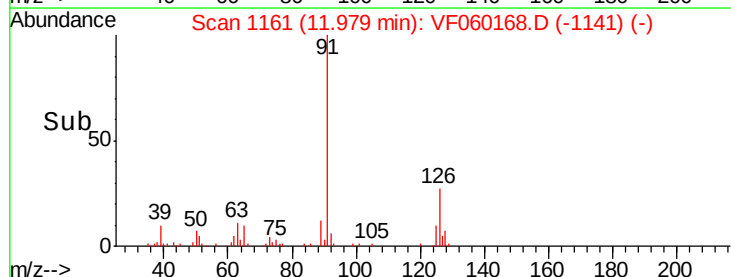
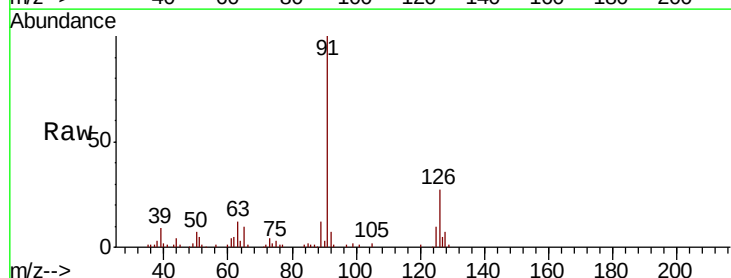
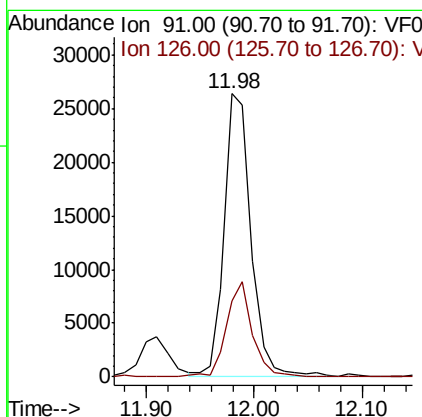
RT: 11.98 min Scan# 1161

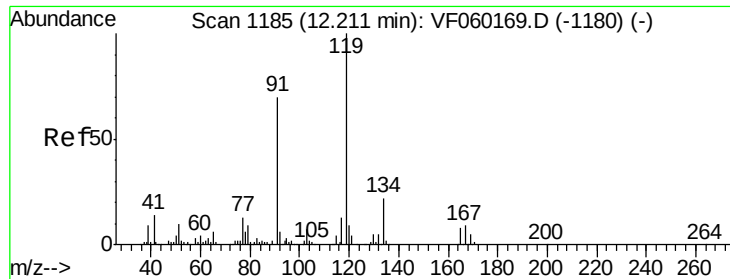
Delta R.T. -0.01 min

Lab File: VF060168.D

Acq: 29 Aug 2018 00:59

Tgt Ion:	91	Resp:	45885
Ion Ratio	Lower	Upper	
91	100		
126	27.0	16.1	48.2





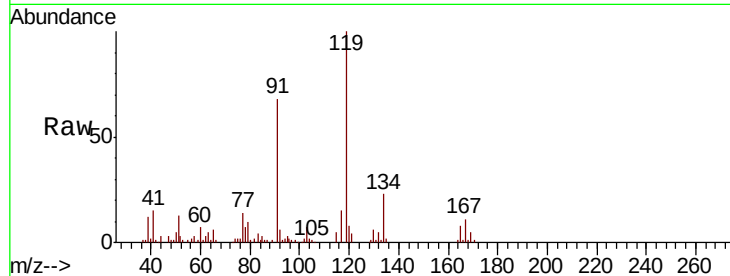
#83
 tert-Butylbenzene
 Concen: 32.21 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

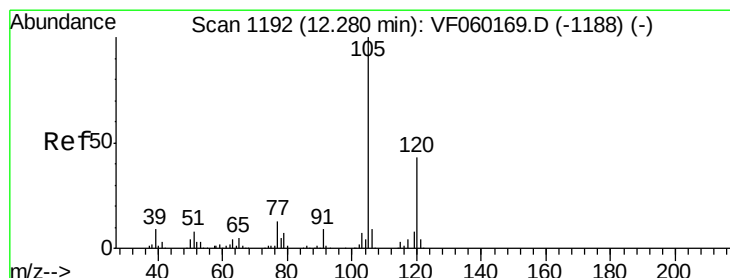
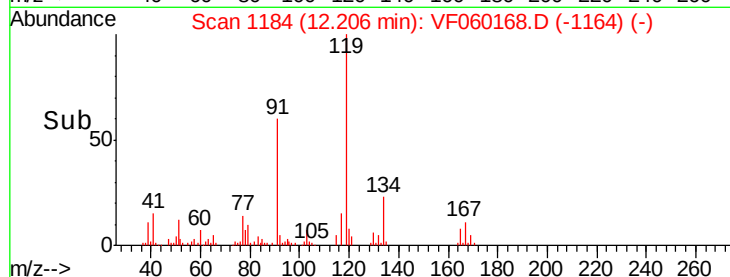
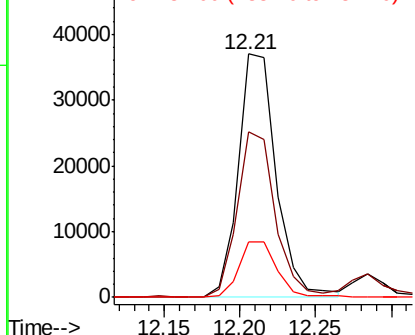
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	35.3	105.7
134	22.6	11.2	33.5

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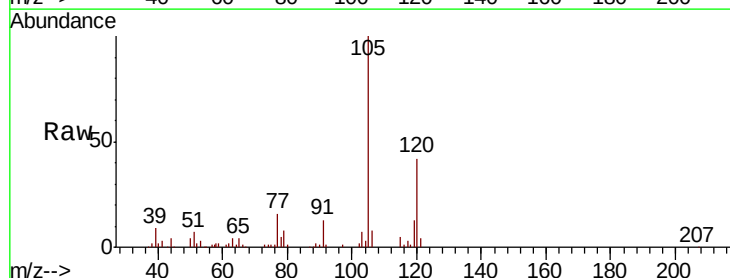


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

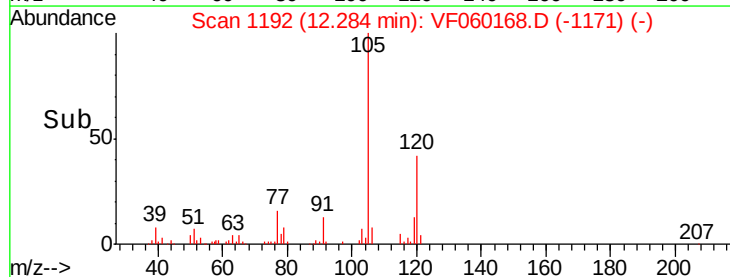
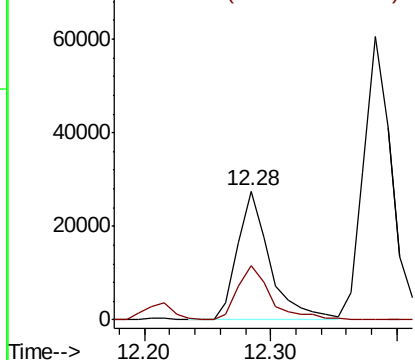


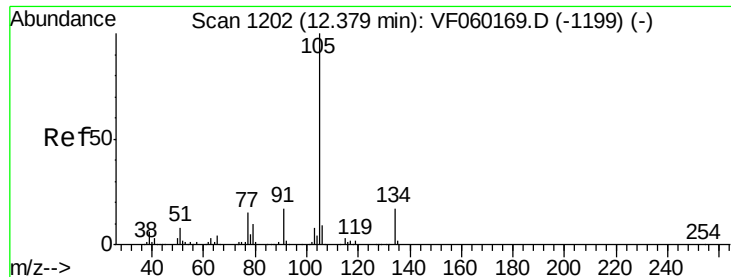
#84
 1,2,4-Trimethylbenzene
 Concen: 23.43 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.9	65.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





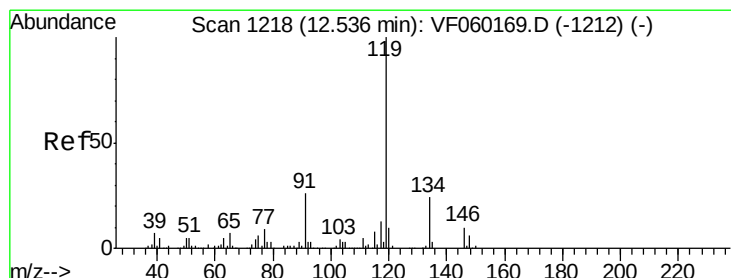
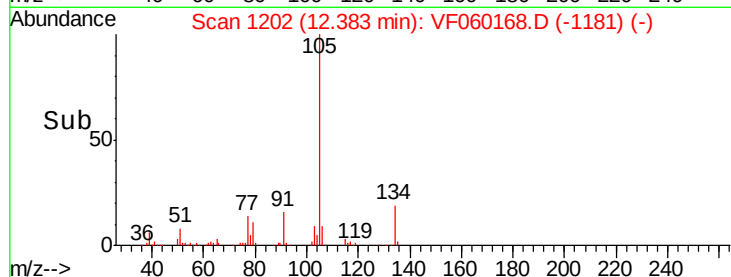
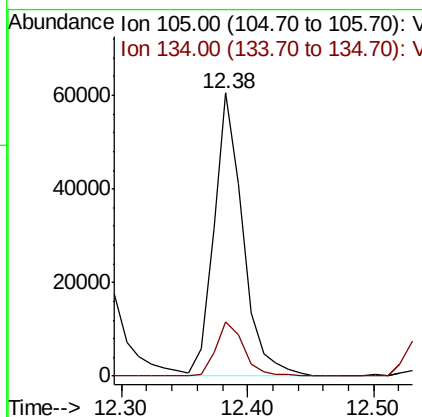
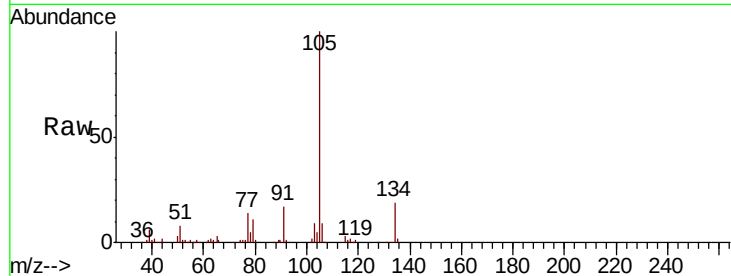
#85
 sec-Butylbenzene
 Concen: 33.23 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	8.4	25.2

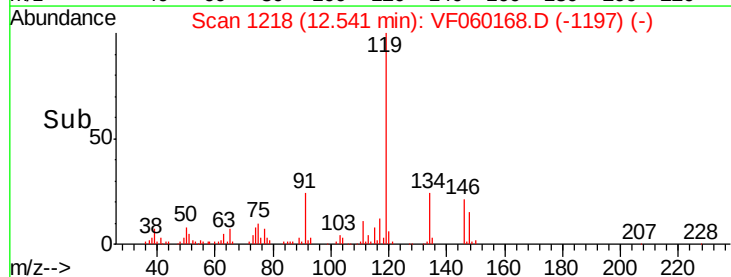
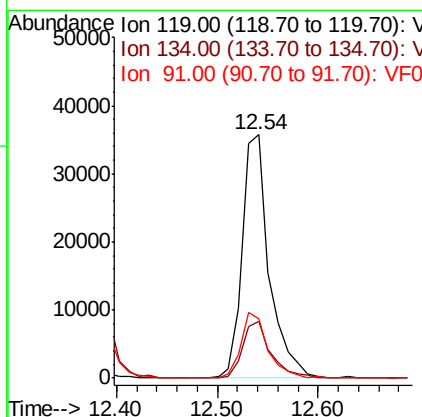
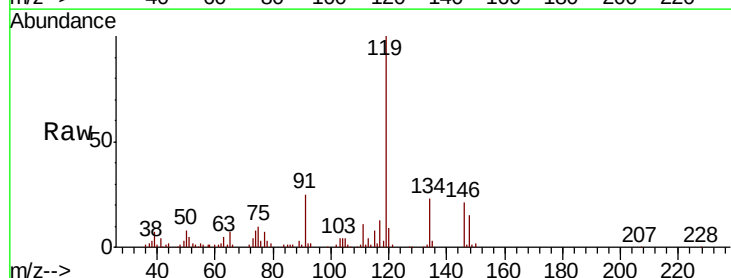
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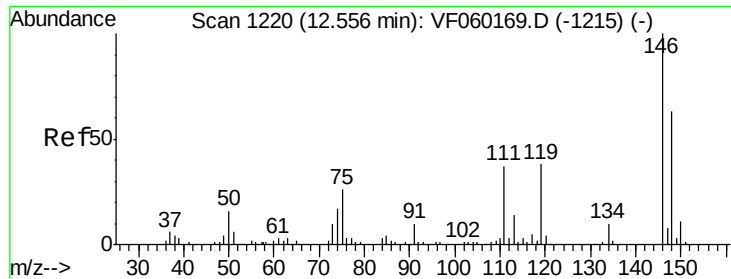
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#86
 p-Isopropyltoluene
 Concen: 28.42 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.5	11.9	35.9
91	24.5	13.0	39.0





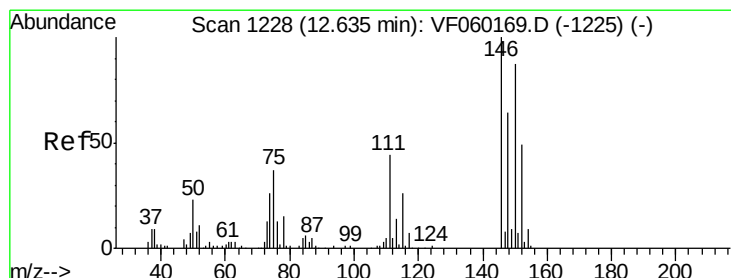
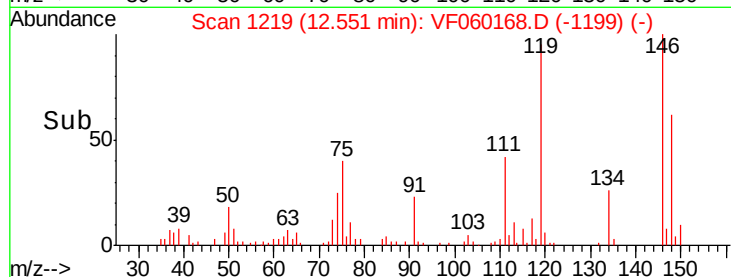
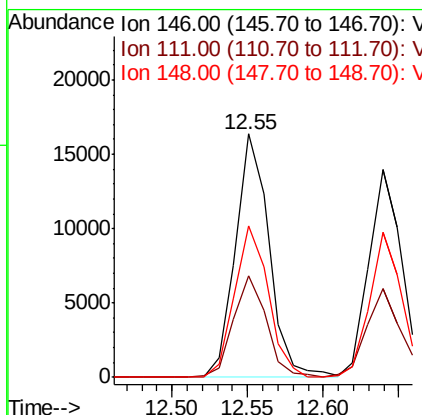
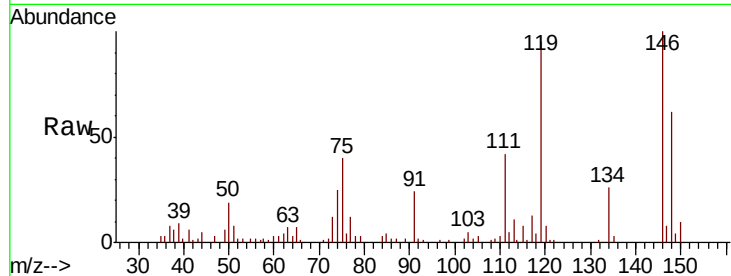
#87
 1,3-Dichlorobenzene
 Concen: 23.41 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	18.8	56.3
148	62.2	31.6	94.8

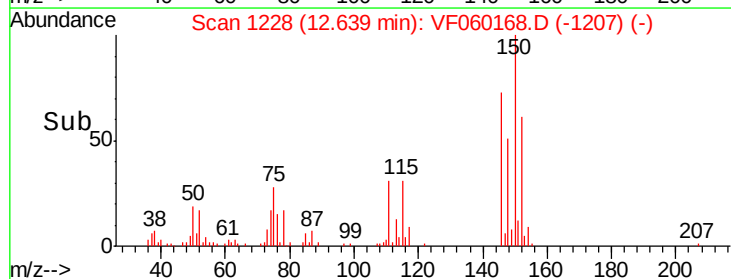
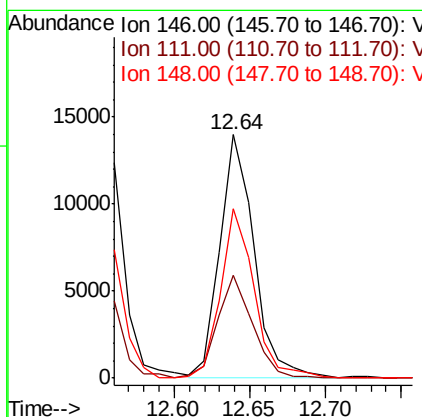
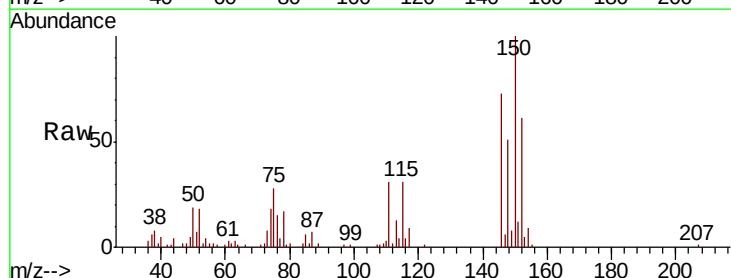
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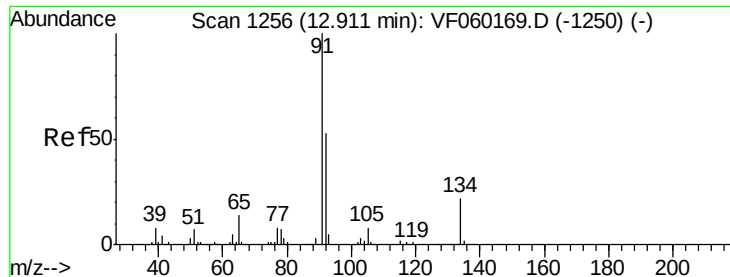
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#88
 1,4-Dichlorobenzene
 Concen: 20.76 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.1	66.3
148	69.6	32.0	96.2





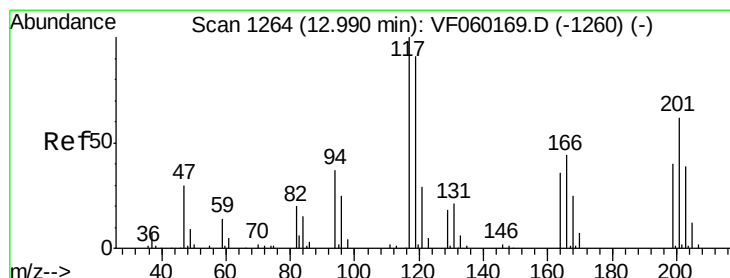
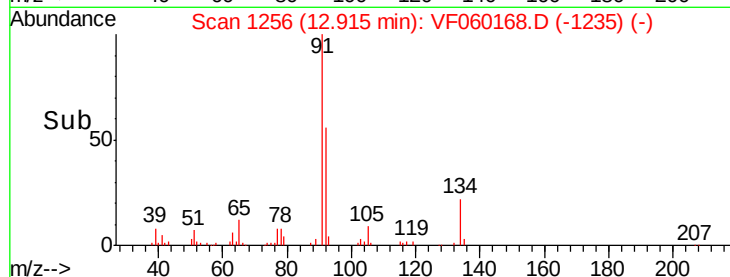
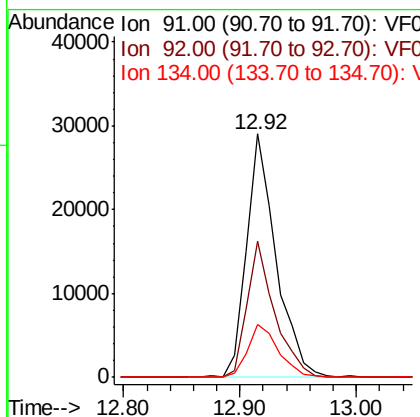
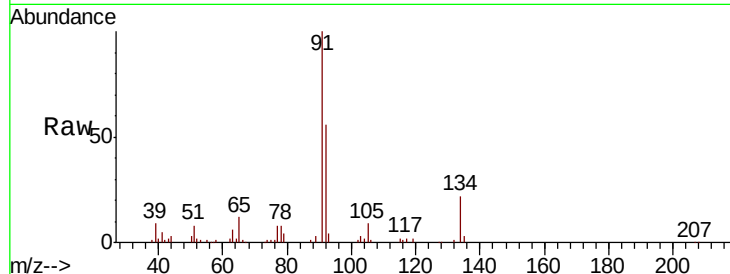
#89
n-Butylbenzene
Concen: 23.18 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.0	26.7	80.0
134	21.6	11.0	33.0

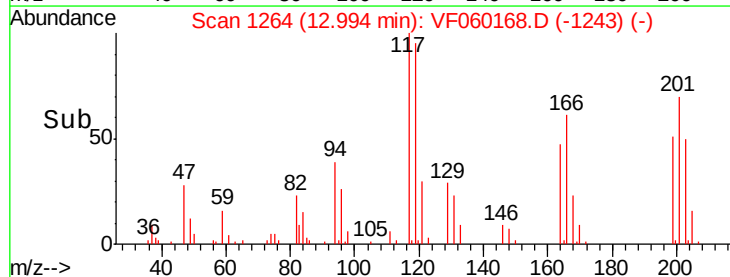
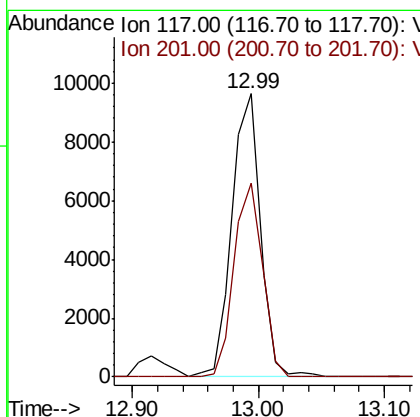
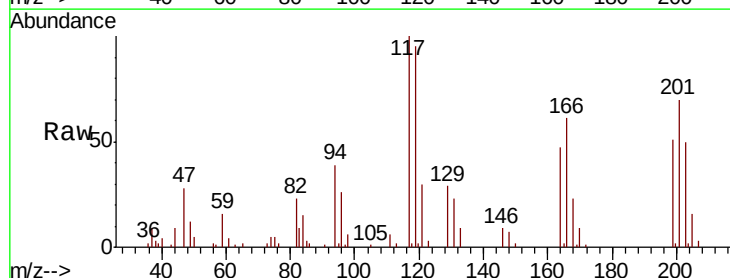
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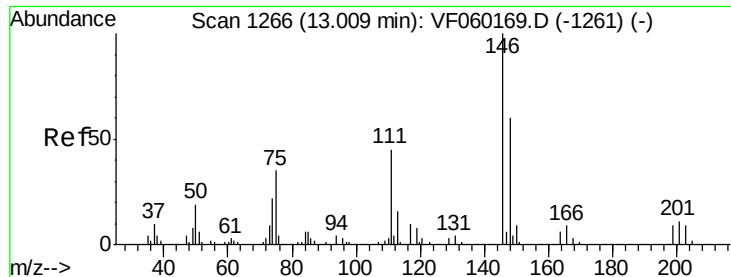
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#90
Hexachloroethane
Concen: 29.21 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.7	32.0	96.2





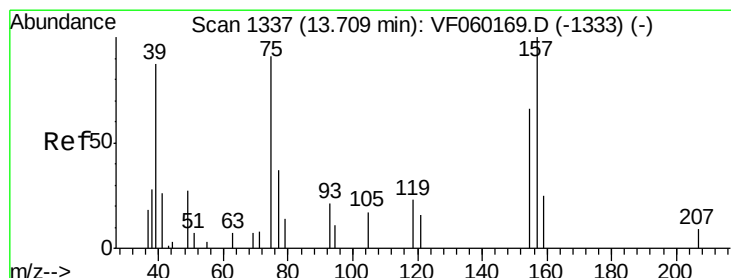
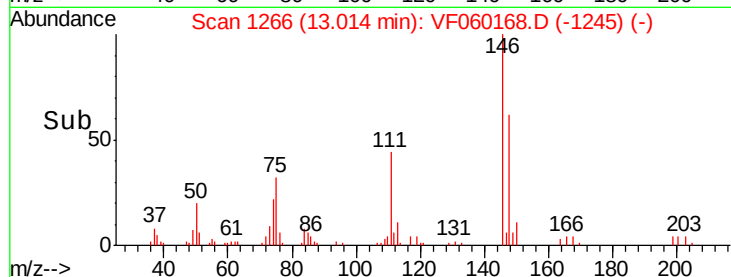
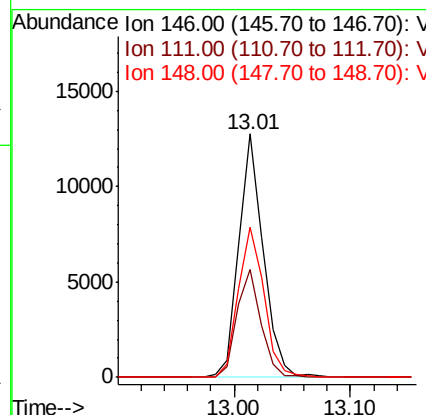
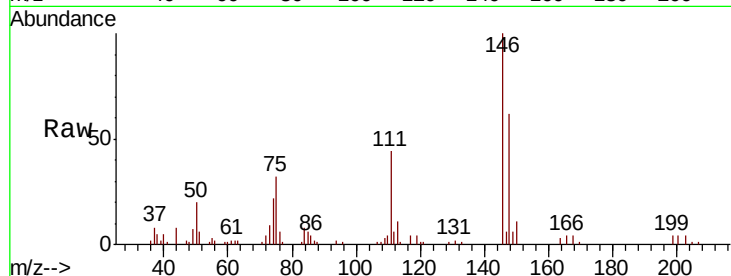
#91
 1,2-Dichlorobenzene
 Concen: 18.57 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.7	68.1
148	61.8	30.0	90.1

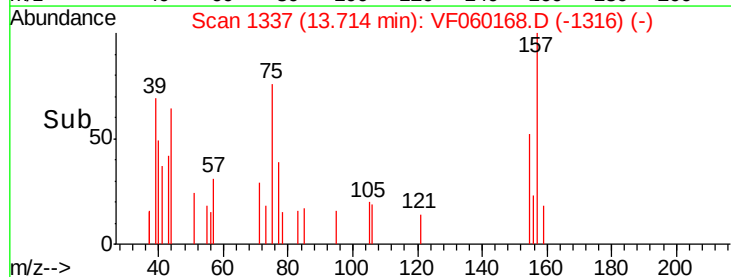
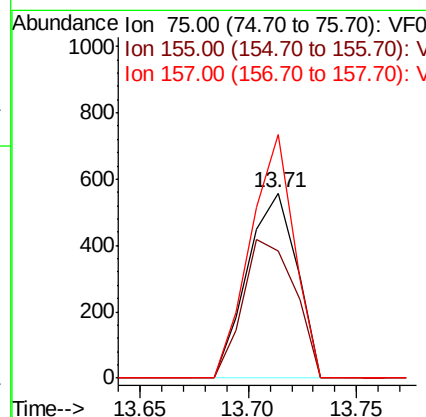
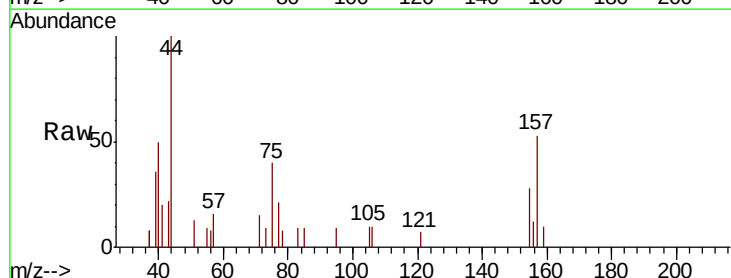
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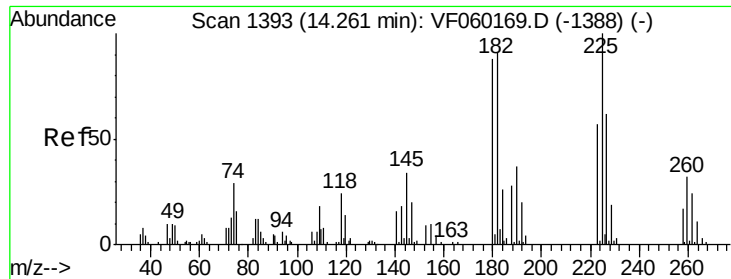
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.40 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.5	36.0	108.0
157	131.3	54.9	164.5





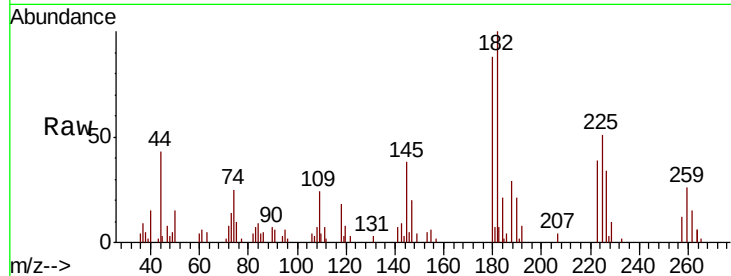
#93
 1,2,4-Trichlorobenzene
 Concen: 10.04 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	6919		
182	114.1	51.8	155.5	
145	43.9	19.3	57.9	

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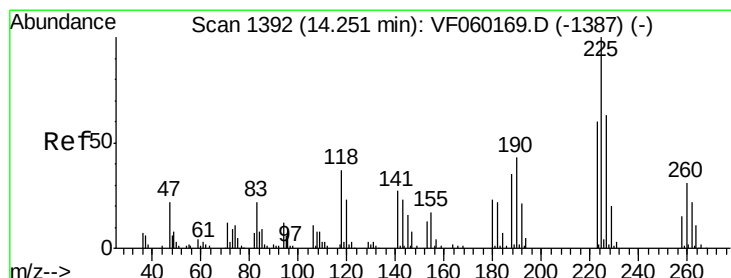
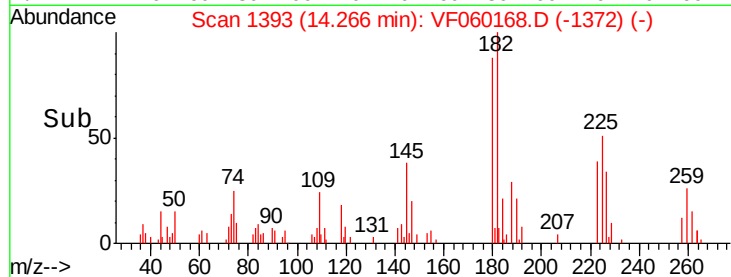
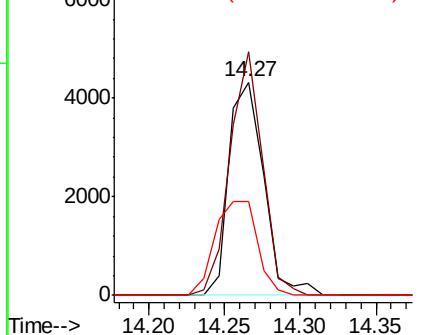


Abundance

Ion 180.00 (179.70 to 180.70): V

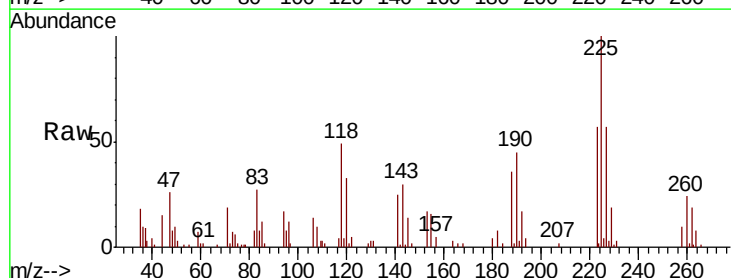
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 30.94 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF060168.D
 Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16395		
223	55.3	30.0	90.0	
227	54.6	31.4	94.2	

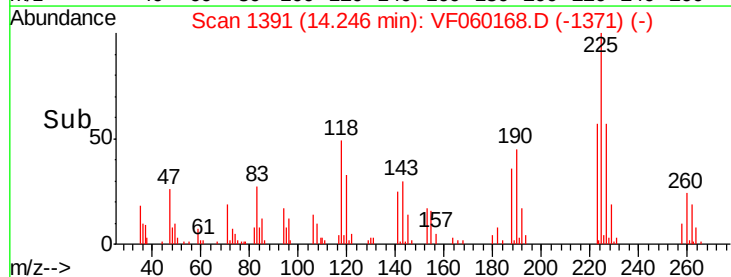
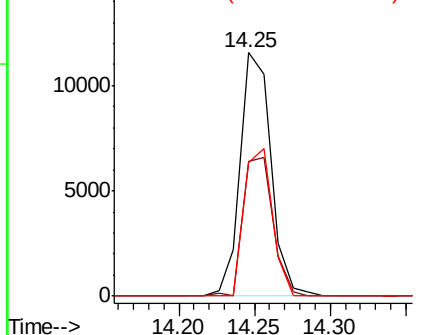


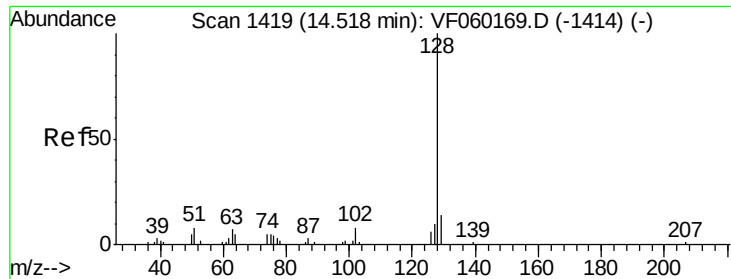
Abundance

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





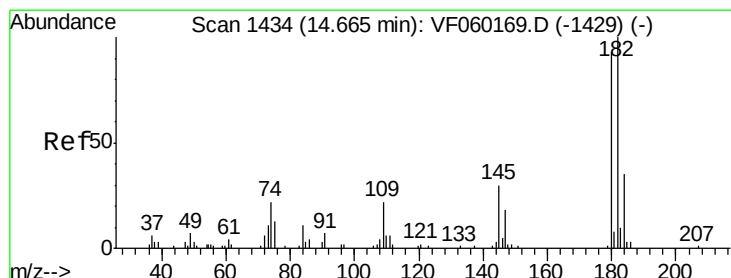
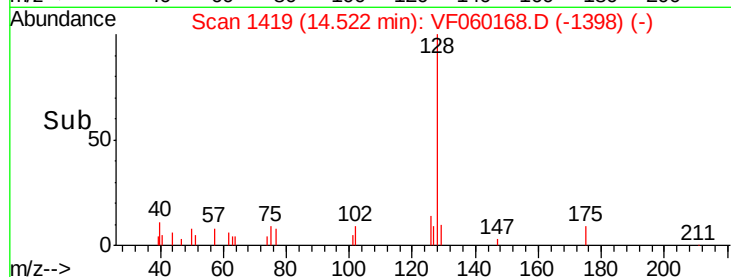
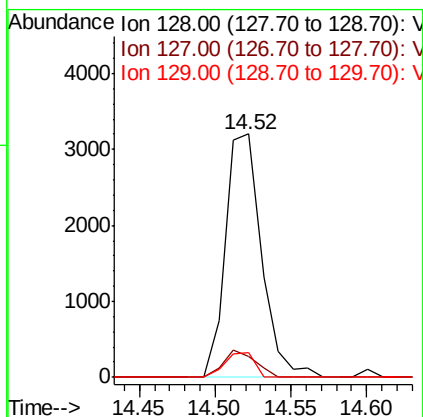
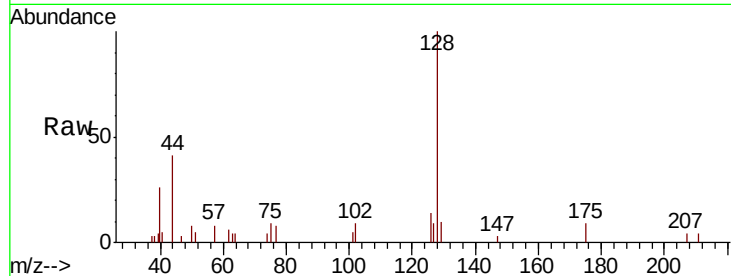
#95
Naphthalene
Concen: 5.43 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	8.7	8.3	12.5
129	10.3	11.5	17.3#

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 8.83 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VF060168.D
Acq: 29 Aug 2018 00:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.1	53.6	160.8
145	23.0	16.2	48.6

