

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059620.D
 Acq On : 23 Jul 2018 18:08
 Operator : VA/AP
 Sample : VF0723SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Manual Integrations
 APPROVED

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 7/24/2018 1:14:41 PM

Quant Time: Jul 24 08:21:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	276390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	371749	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	374584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	230635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	203341	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	4.29	113	175653	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	7.71	98	437661	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.50	95	236056	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	67638	19.50	ug/l	91
3) Chloromethane	1.08	50	29782	18.83	ug/l	94
4) Vinyl Chloride	1.14	62	37042	20.73	ug/l #	87
5) Bromomethane	1.34	94	28977	18.74	ug/l #	80
6) Chloroethane	1.42	64	19712	18.08	ug/l	94
7) Trichlorofluoromethane	1.48	101	85783m	17.66	ug/l	
8) Diethyl Ether	1.69	74	15644	22.44	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.89	101	49530	20.27	ug/l #	87
10) Methyl Iodide	1.96	142	83666	20.36	ug/l	98
11) Tert butyl alcohol	2.68	59	15465	87.36	ug/l	95
12) 1,1-Dichloroethene	1.85	96	42032	21.70	ug/l	86
13) Acrolein	2.09	56	5603	63.12	ug/l	95
14) Allyl chloride	2.18	41	68861	19.63	ug/l	94
15) Acrylonitrile	3.07	53	29149	106.74	ug/l #	83
16) Acetone	2.33	43	62482	83.79	ug/l	94
17) Carbon Disulfide	1.86	76	103669	20.67	ug/l #	92
18) Methyl Acetate	2.44	43	20397	16.79	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	106571	18.87	ug/l	96
20) Methylene Chloride	2.28	84	39176m	18.85	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	39963	20.07	ug/l	97
22) Diisopropyl ether	2.92	45	130804	20.35	ug/l	97
23) Vinyl Acetate	3.32	43	335630	103.74	ug/l	99
24) 1,1-Dichloroethane	2.99	63	91802	19.93	ug/l	97
25) 2-Butanone	4.50	43	76777	99.86	ug/l	100
26) 2,2-Dichloropropane	3.75	77	77876	20.06	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	48553	21.27	ug/l	97
28) Bromochloromethane	3.88	49	31309	18.49	ug/l	95
29) Tetrahydrofuran	4.25	42	27888	89.53	ug/l #	90
30) Chloroform	4.03	83	125450	19.81	ug/l	92
31) Cyclohexane	3.85	56	58605	22.86	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	109336	19.06	ug/l	98
36) 1,1-Dichloropropene	4.44	75	82118	21.81	ug/l #	93
37) Ethyl Acetate	4.28	43	35675	23.57	ug/l #	82
38) Carbon Tetrachloride	4.16	117	114355	19.69	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	72044	23.59	ug/l	97
40) Benzene	4.80	78	151154	21.97	ug/l	95
41) Methacrylonitrile	4.92	41	15517	20.00	ug/l #	70
42) 1,2-Dichloroethane	5.10	62	89101	19.18	ug/l	99
43) Isopropyl Acetate	7.11	43	40984	21.19	ug/l #	96
44) Trichloroethene	5.67	130	57802	21.80	ug/l	91
45) 1,2-Dichloropropane	6.40	63	39777	21.36	ug/l	94
46) Dibromomethane	6.25	93	32497	21.06	ug/l	97
47) Bromodichloromethane	6.54	83	92732	19.80	ug/l #	94
48) Methyl methacrylate	6.87	41	27870	19.27	ug/l #	81
49) 1,4-Dioxane	6.86	88	3989m	429.49	ug/l	
51) 4-Methyl-2-Pentanone	8.40	43	144028	102.21	ug/l	97
52) Toluene	7.78	92	113178	21.61	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	77093	19.48	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	79960	20.38	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	35725	19.93	ug/l	93
56) Ethyl methacrylate	8.75	69	39531	19.81	ug/l	90
57) 1,3-Dichloropropane	9.00	76	64374	20.64	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	24249	105.04	ug/l	100
59) 2-Hexanone	9.62	43	112217	98.13	ug/l	99
60) Dibromochloromethane	8.86	129	63465	19.88	ug/l	99
61) 1,2-Dibromoethane	9.14	107	42515	20.70	ug/l	93
64) Tetrachloroethene	8.30	164	62510	22.47	ug/l	86
65) Chlorobenzene	9.93	112	148907	21.56	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	66121	21.13	ug/l	99
67) Ethyl Benzene	10.03	91	272592	21.70	ug/l	99
68) m/p-Xylenes	10.26	106	194164	45.49	ug/l	96
69) o-Xylene	10.82	106	101935	21.99	ug/l	99
70) Styrene	10.90	104	149897	21.56	ug/l	93
71) Bromoform	10.88	173	35288	18.20	ug/l	98
73) Isopropylbenzene	11.23	105	314603	21.48	ug/l	97
74) N-amyl acetate	11.46	43	68641	20.84	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	49864	20.28	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	45075	20.98	ug/l	97
77) Bromobenzene	11.59	156	77445	20.41	ug/l	96
78) n-propylbenzene	11.68	91	380454	21.67	ug/l	98
79) 2-Chlorotoluene	11.81	91	218455	20.76	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	273220	20.84	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	17210m	20.20	ug/l	
82) 4-Chlorotoluene	11.98	91	245010	20.94	ug/l	98
83) tert-Butylbenzene	12.21	119	267754	20.65	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	281675	21.11	ug/l	100
85) sec-Butylbenzene	12.38	105	347664	20.74	ug/l	94
86) p-Isopropyltoluene	12.54	119	304771	20.66	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	147391	20.25	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	145553	21.32	ug/l	98
89) n-Butylbenzene	12.91	91	297741	21.13	ug/l	97
90) Hexachloroethane	12.99	117	72592	19.86	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	139206	20.52	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11340	19.16	ug/l	90

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MSVOA_F
ClientSampleId :
VF0723SBSD01

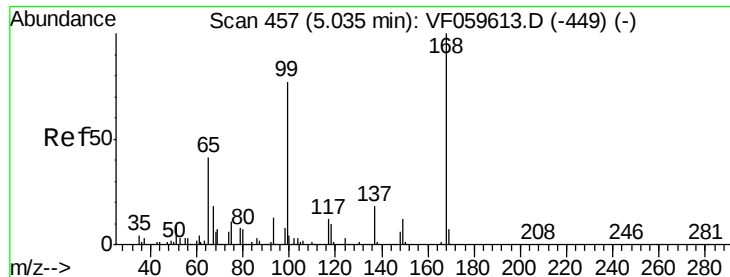
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	107909	21.28	µg/l	95
94) Hexachlorobutadiene	14.25	225	70929	20.10	µg/l	94
95) Naphthalene	14.52	128	165123	20.05	µg/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	94469	20.50	µg/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion:168 Resp: 276390

Ion Ratio Lower Upper

168 100

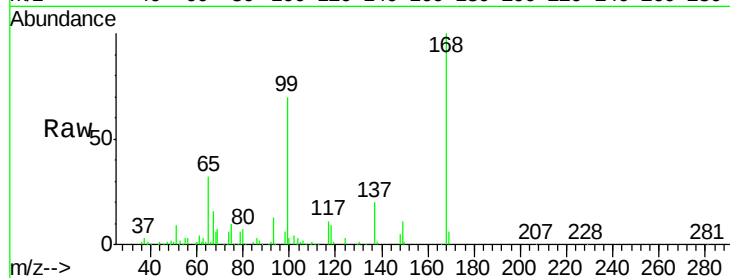
99 70.4 61.5 92.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

100000

80000

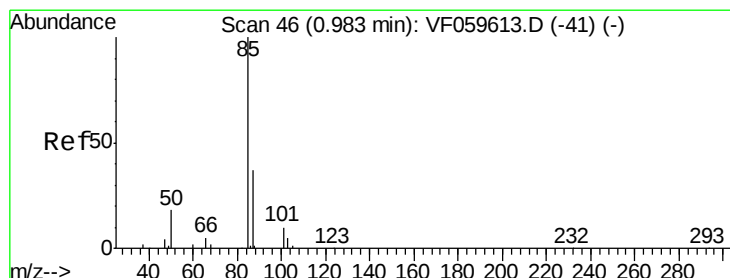
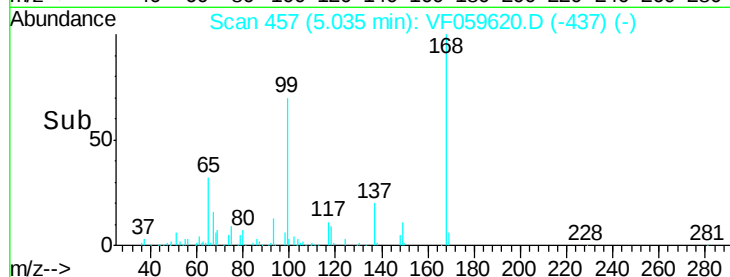
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.50 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059620.D

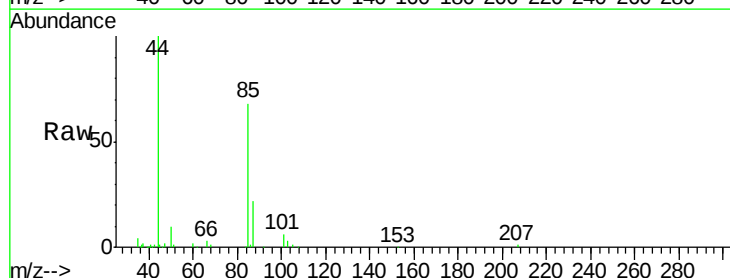
Acq: 23 Jul 2018 18:08

Tgt Ion: 85 Resp: 67638

Ion Ratio Lower Upper

85 100

87 31.5 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

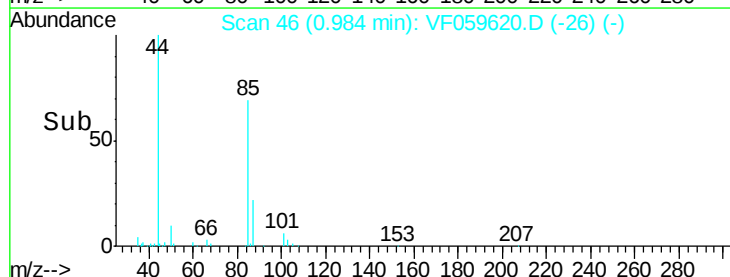
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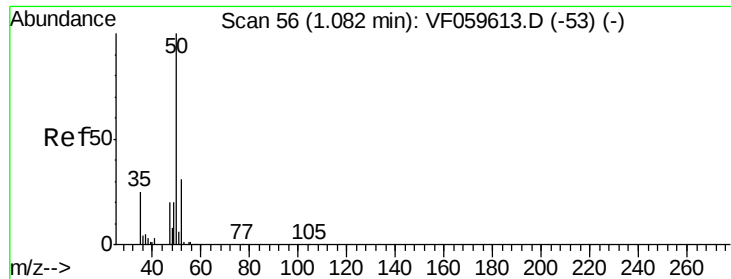
10000

5000

0

Time-->





#3

Chloromethane

Concen: 18.83 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 50 Resp: 29782

Ion Ratio Lower Upper

50 100

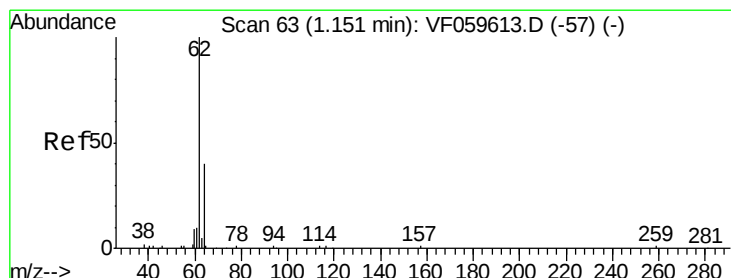
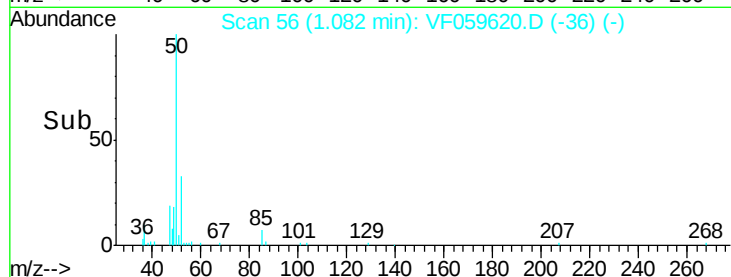
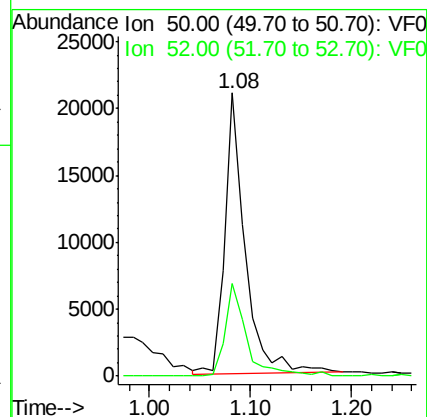
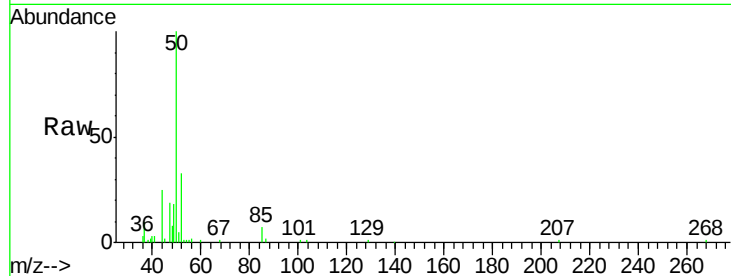
52 32.7 23.7 35.5

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#4

Vinyl Chloride

Concen: 20.73 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059620.D

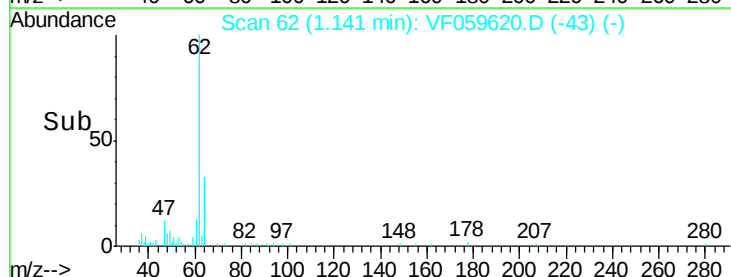
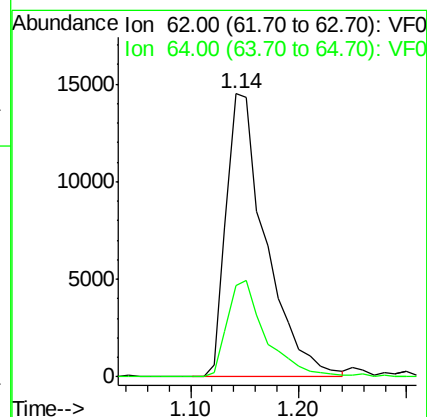
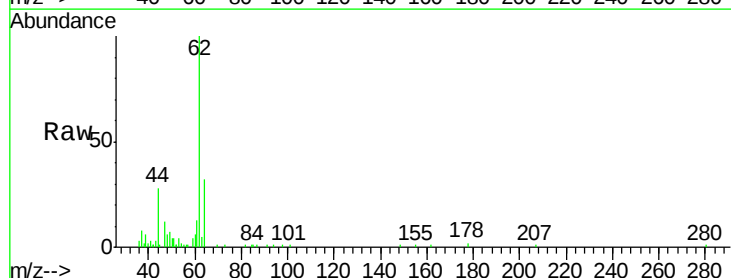
Acq: 23 Jul 2018 18:08

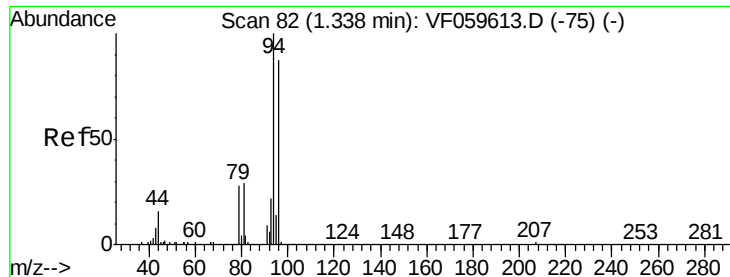
Tgt Ion: 62 Resp: 37042

Ion Ratio Lower Upper

62 100

64 32.2 32.2 48.4#





#5

Bromomethane

Concen: 18.74 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 94 Resp: 28977

Ion Ratio Lower Upper

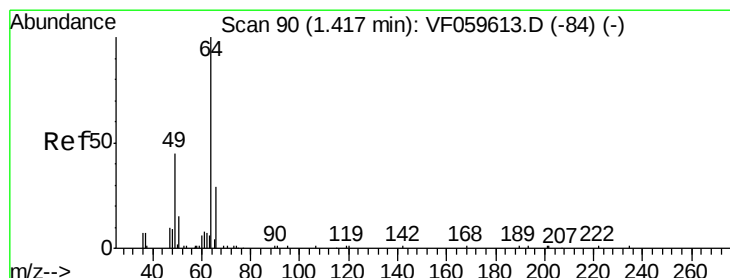
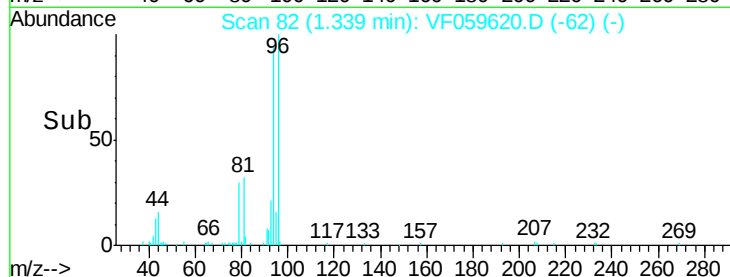
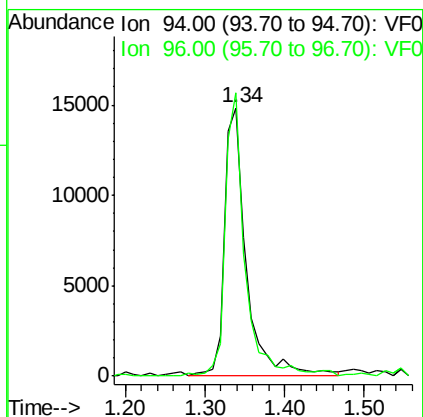
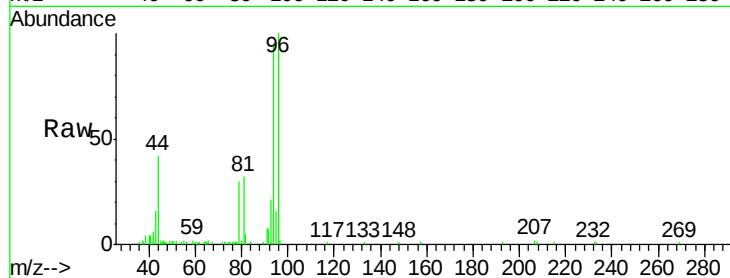
94 100

96 105.6 69.8 104.8#

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#6

Chloroethane

Concen: 18.08 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059620.D

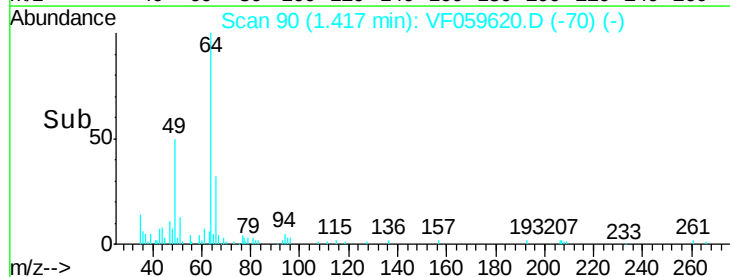
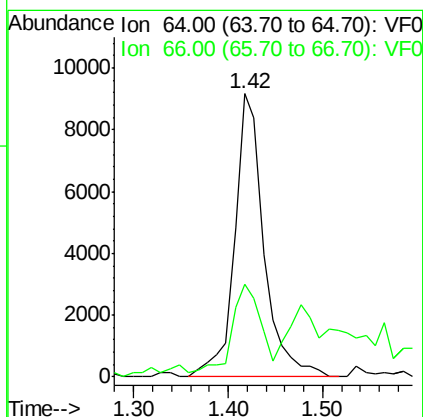
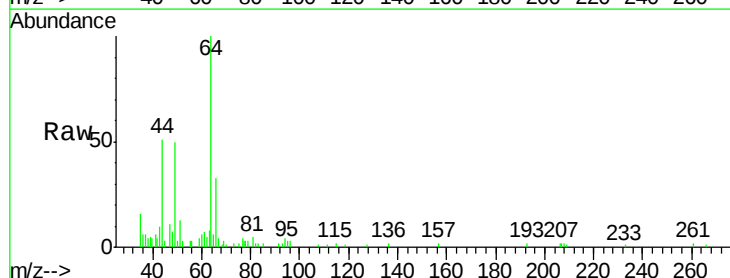
Acq: 23 Jul 2018 18:08

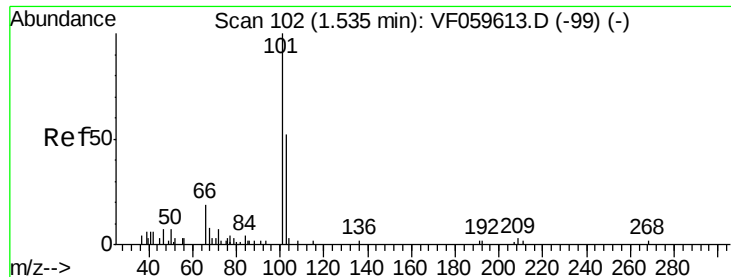
Tgt Ion: 64 Resp: 19712

Ion Ratio Lower Upper

64 100

66 32.8 23.7 35.5





#7

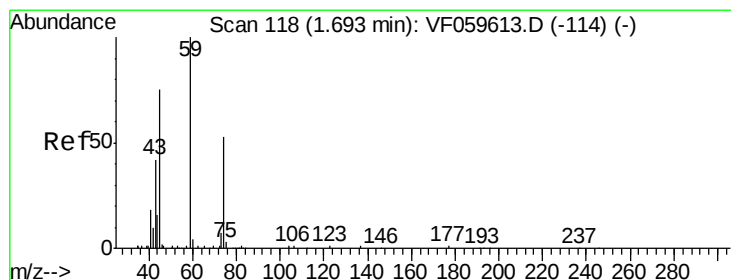
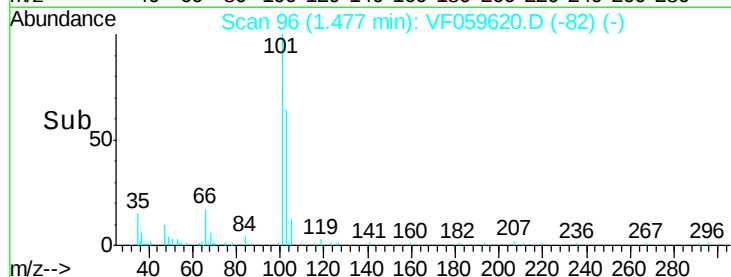
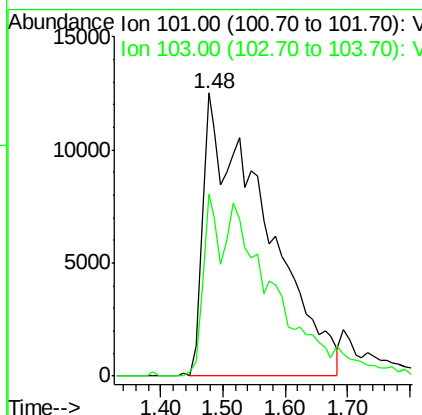
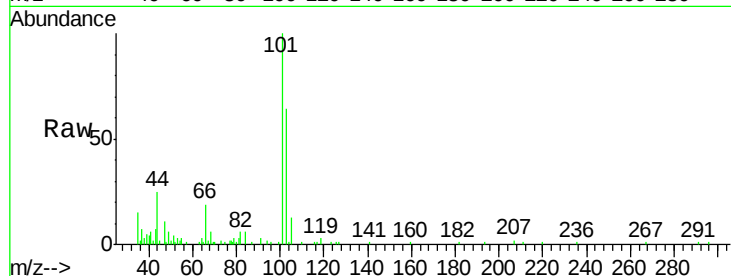
Trichlorofluoromethane
Concen: 17.66 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.06 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

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ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	48.2	72.4

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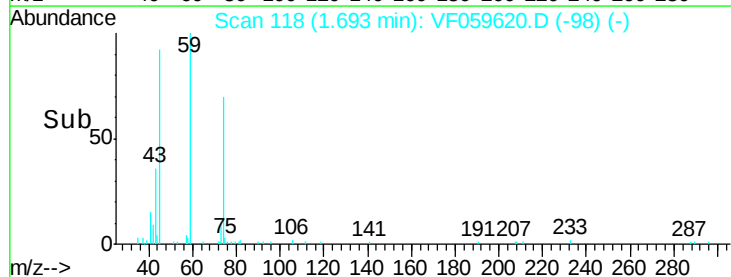
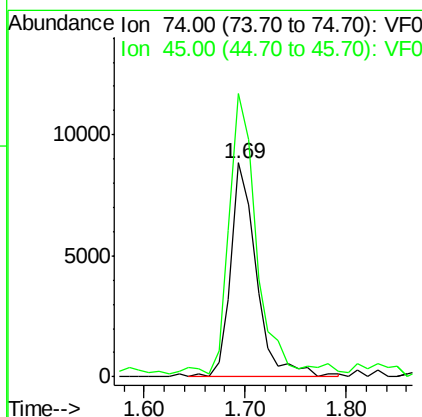
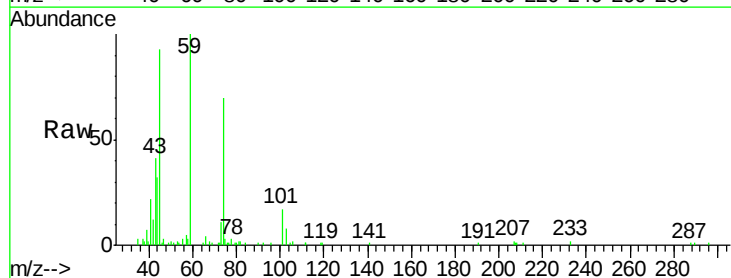
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7/24/2018 1:14:41 PM

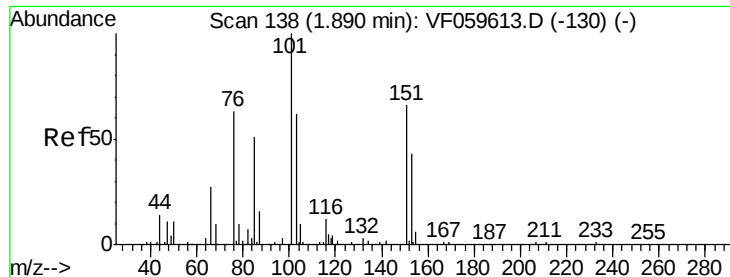


#8

Diethyl Ether
Concen: 22.44 ug/l
RT: 1.69 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.2	72.0	215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.27 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

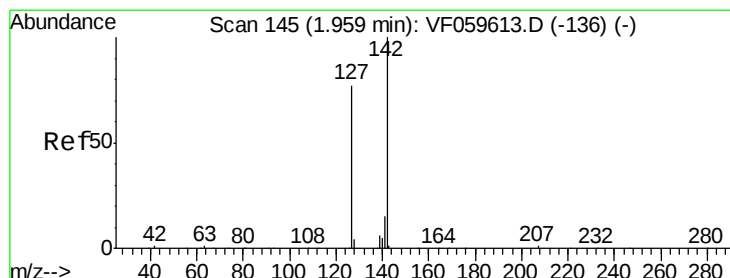
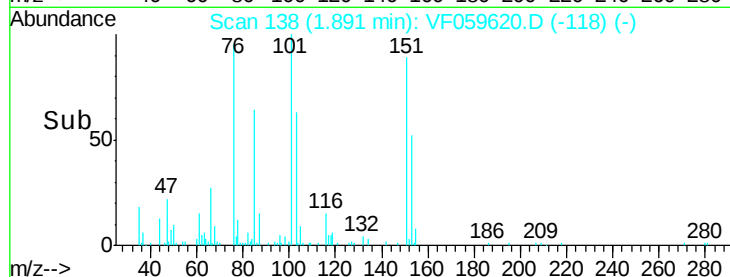
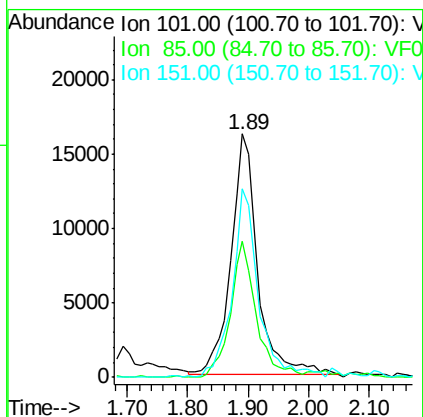
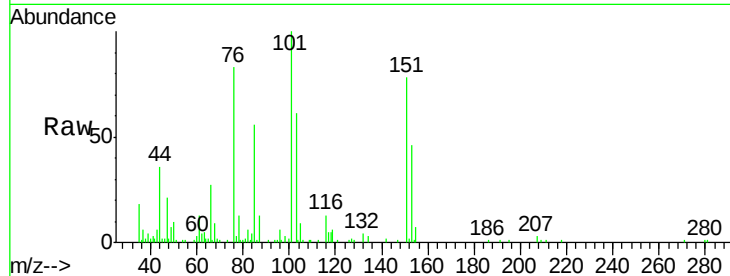
ClientSampleId :

VF0723SBS01

Tot Ion:	101	Resp:	49530
Ion Ratio	Lower	Upper	
101	100		
85	55.8	40.2	60.2
151	77.6	51.4	77.2#

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#10

Methyl Iodide

Concen: 20.36 ug/l

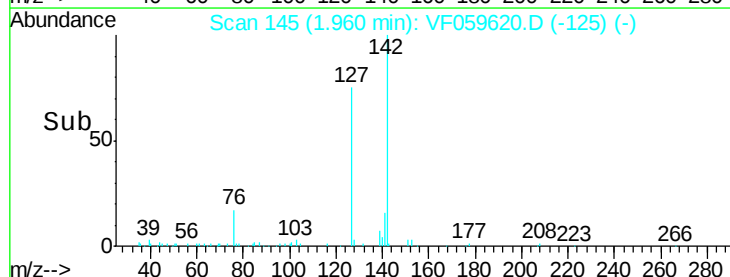
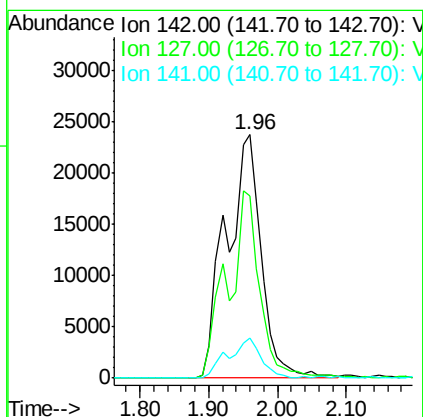
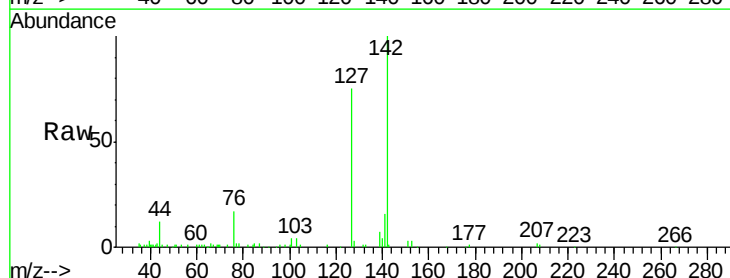
RT: 1.96 min Scan# 145

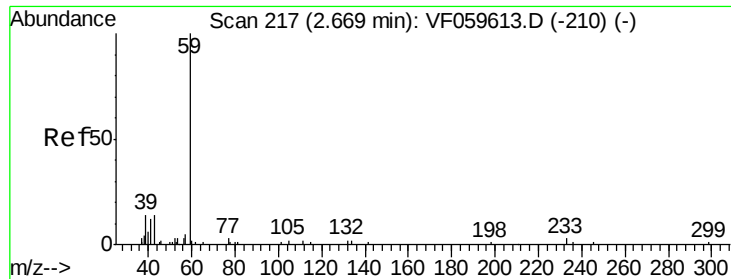
Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion:	142	Resp:	83666
Ion Ratio	Lower	Upper	
142	100		
127	74.9	61.2	91.8
141	16.5	12.0	18.0





#11

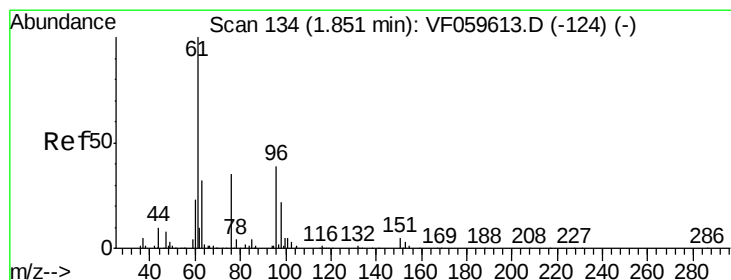
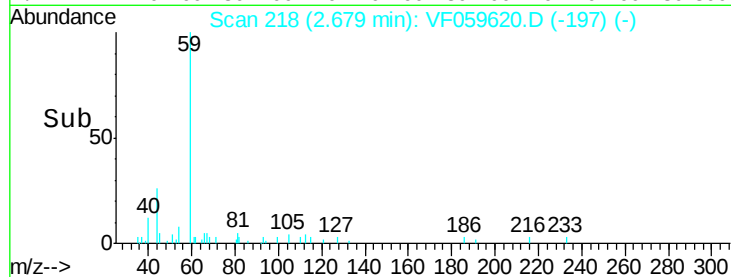
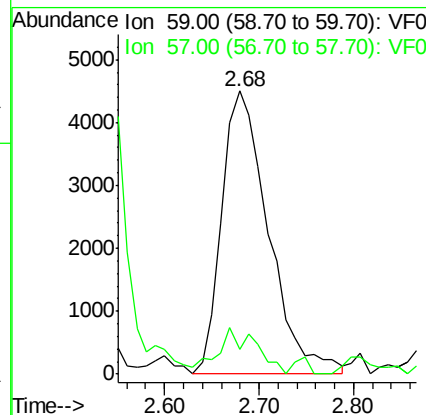
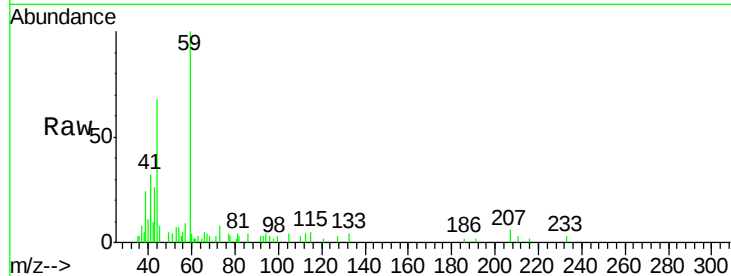
Tert butyl alcohol
Concen: 87.36 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.6	12.8

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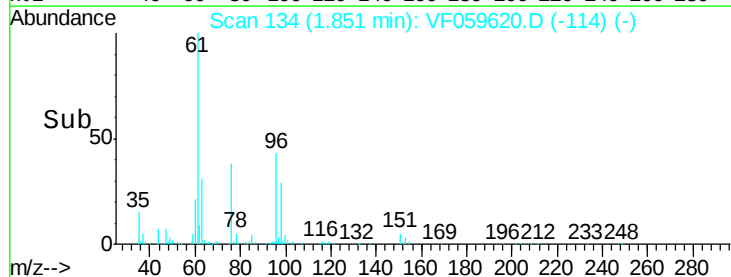
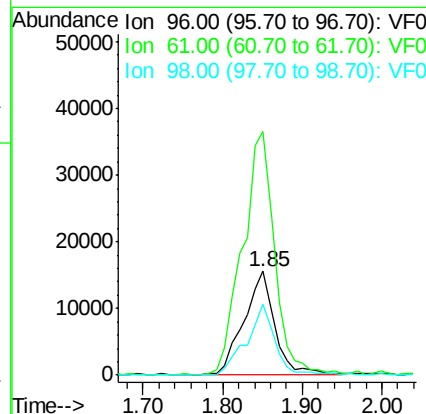
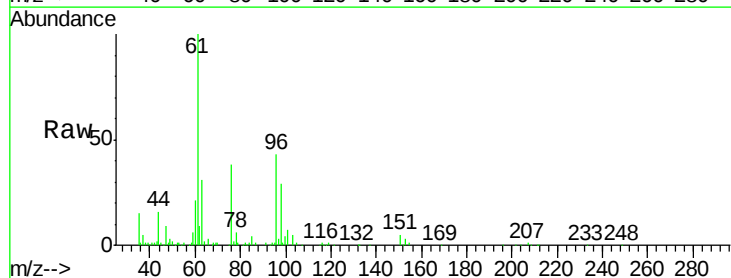
apatel
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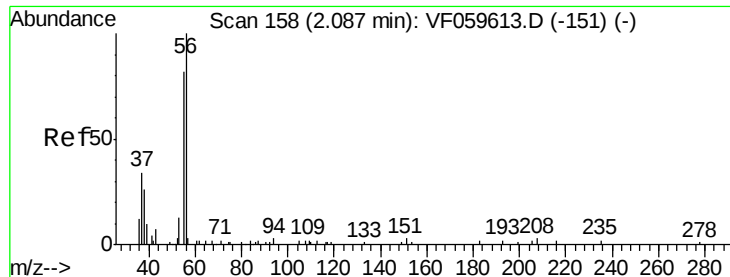


#12

1,1-Dichloroethene
Concen: 21.70 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	234.7	207.2	310.8
98	68.3	45.5	68.3





#13

Acrolein

Concen: 63.12 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 56 Resp: 5603

Ion Ratio Lower Upper

56 100

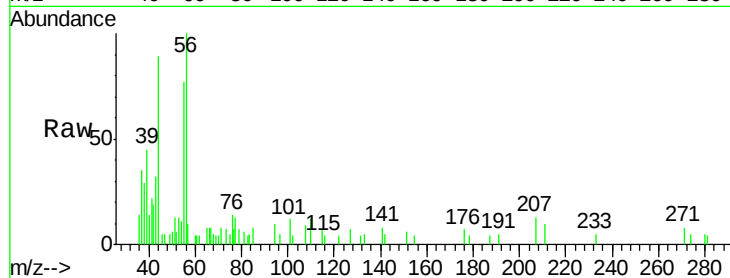
55 77.1 65.6 98.4

Manual Integrations

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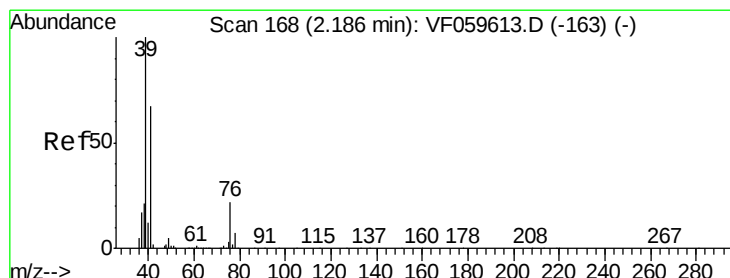
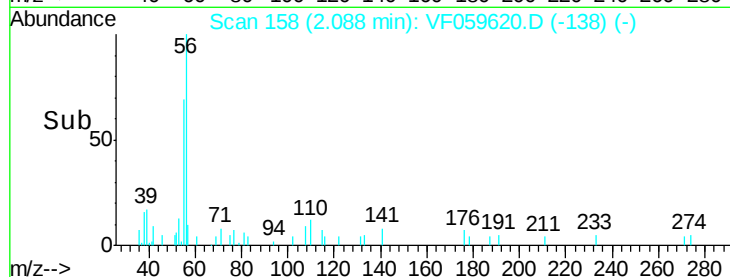
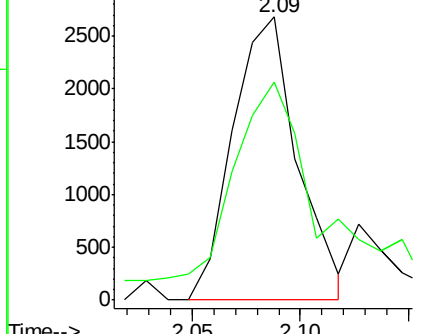
apatel

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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: 19.63 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

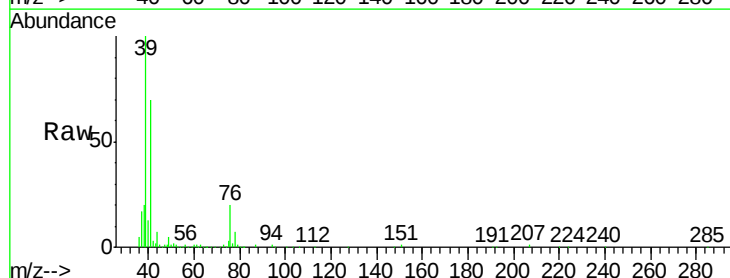
Tgt Ion: 41 Resp: 68861

Ion Ratio Lower Upper

41 100

39 142.3 119.0 178.4

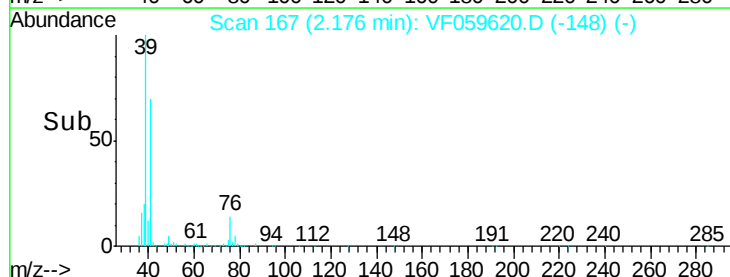
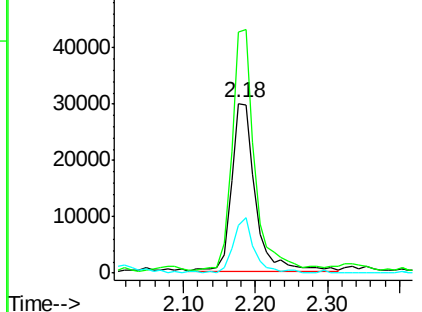
76 28.4 26.3 39.5

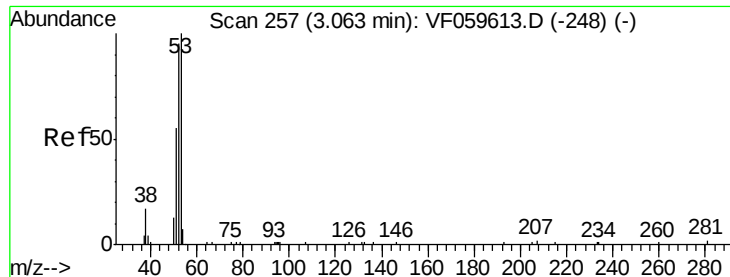


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





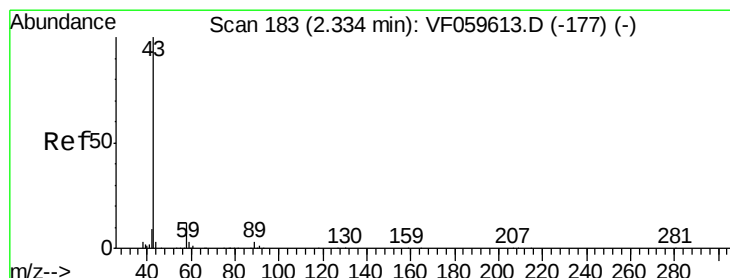
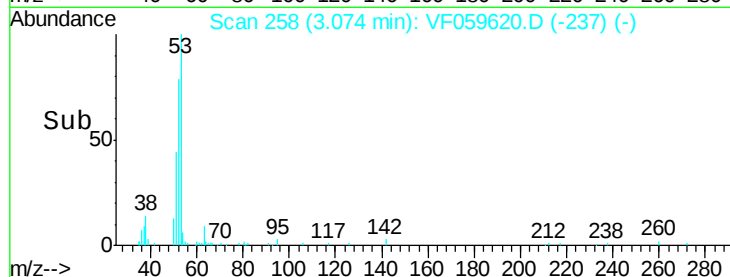
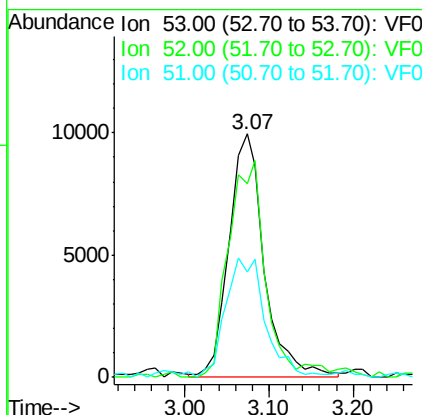
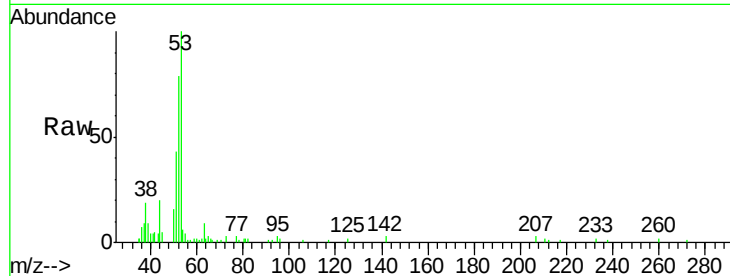
#15
 Acrylonitrile
 Concen: 106.74 ug/l
 RT: 3.07 min Scan# 258
 Delta R.T. 0.01 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	79.5	76.2	114.2
51	43.0	45.8	68.8#

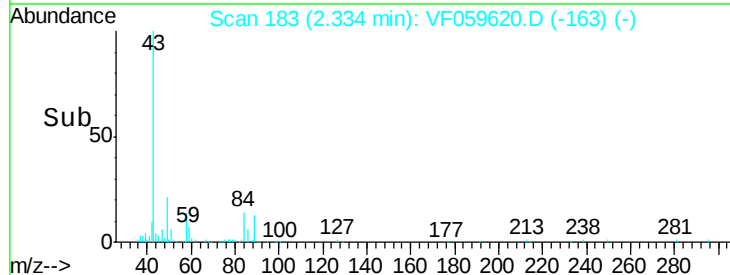
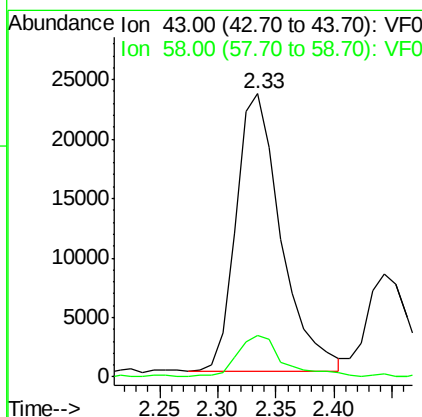
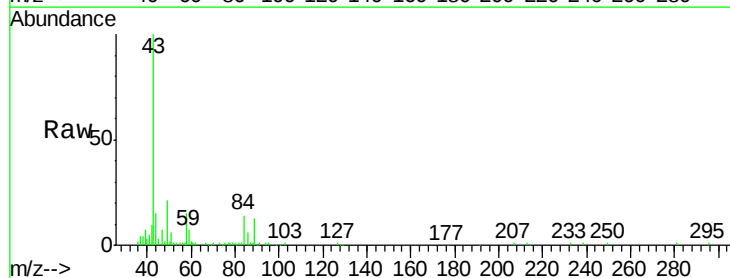
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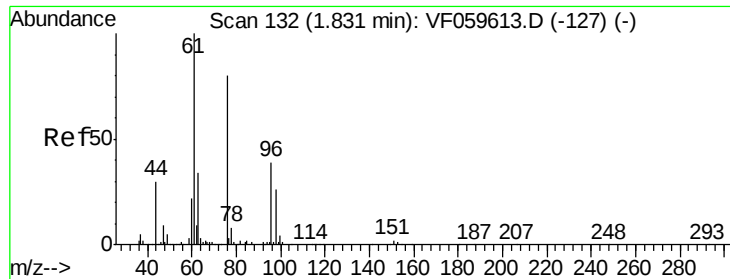
apatel
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#16
 Acetone
 Concen: 83.79 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.5	9.8	14.8





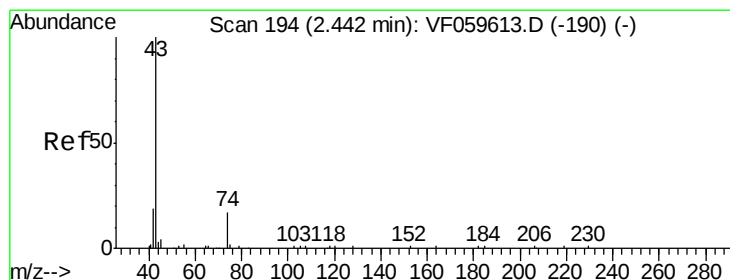
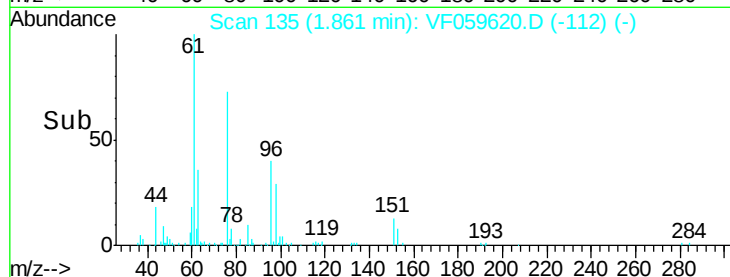
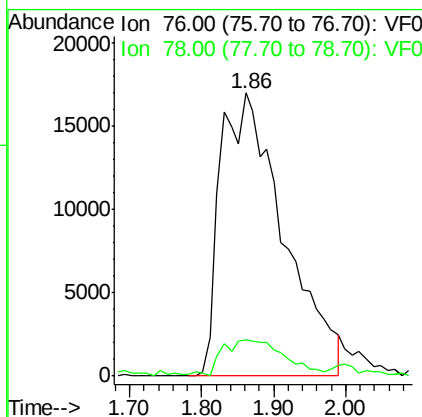
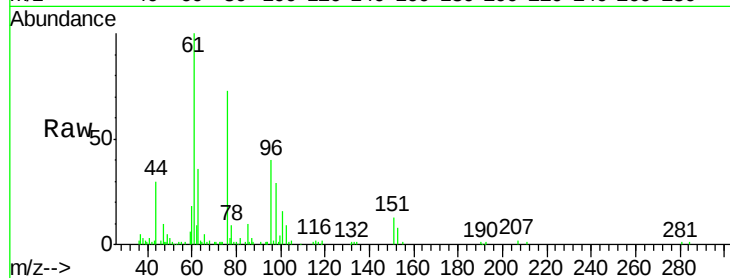
#17
Carbon Disulfide
Concen: 20.67 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.03 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion: 76 Resp: 103669
Ion Ratio Lower Upper
76 100
78 12.7 7.7 11.5#

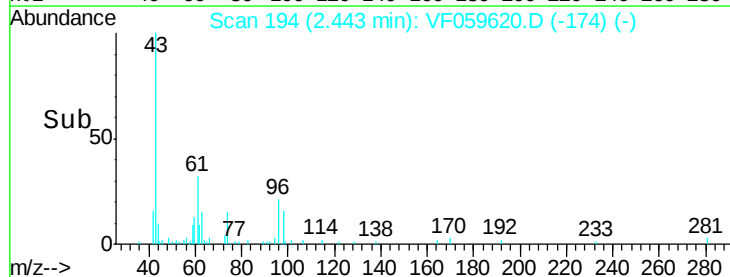
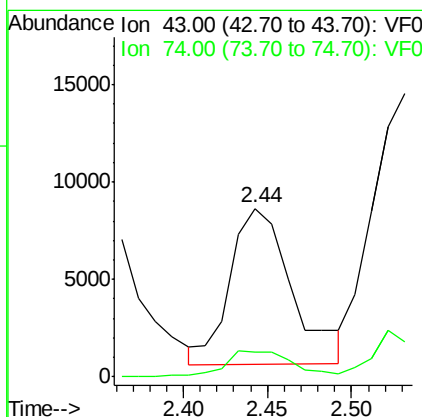
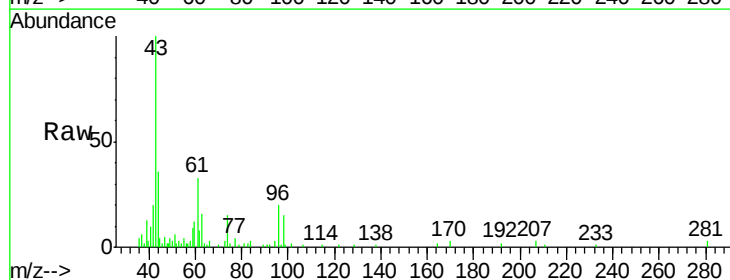
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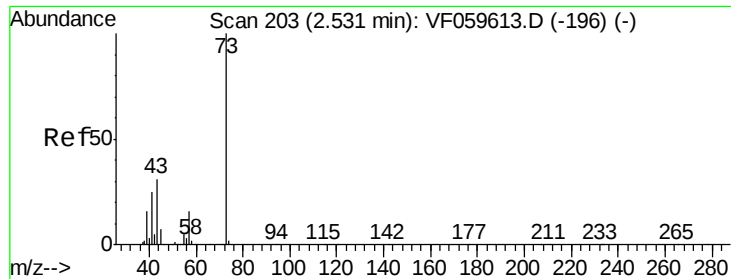
apatel
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#18
Methyl Acetate
Concen: 16.79 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion: 43 Resp: 20397
Ion Ratio Lower Upper
43 100
74 15.1 11.4 17.0





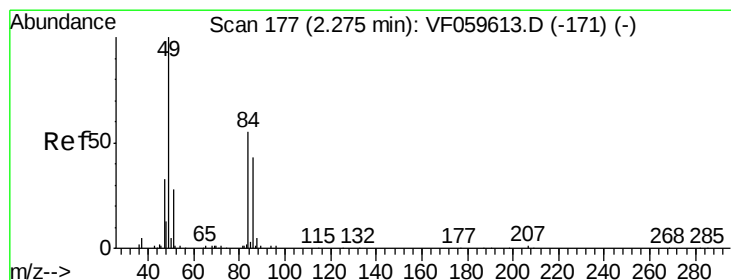
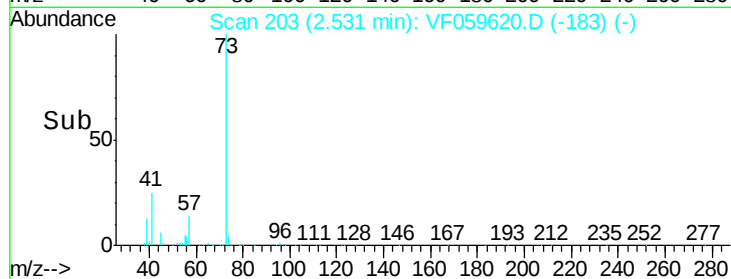
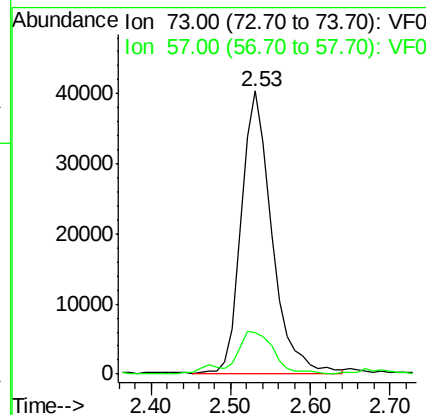
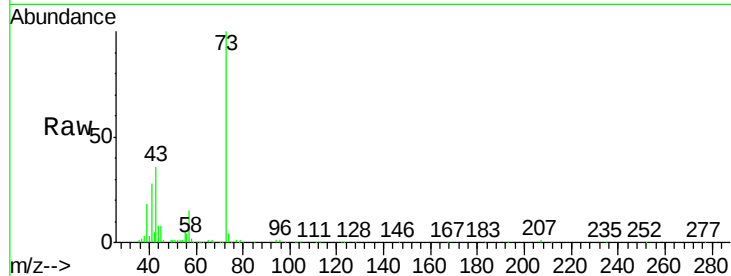
#19
Methvl tert-butvl Ether
Concen: 18.87 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	14.6	13.2	19.8

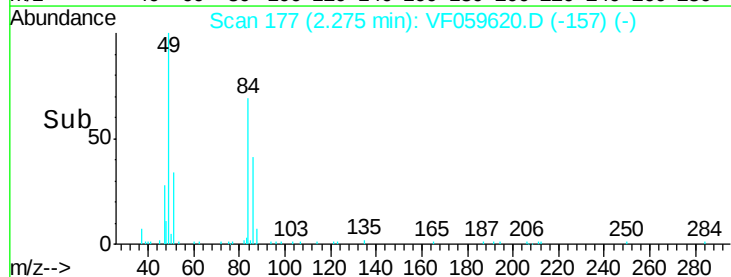
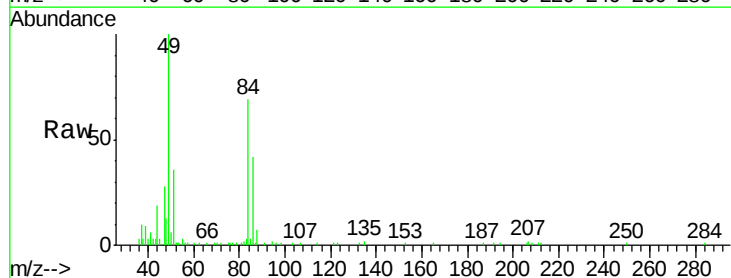
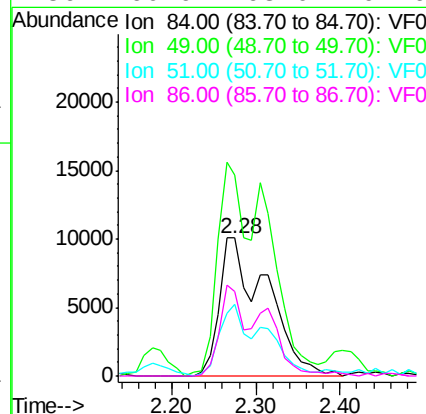
Manual Integrations
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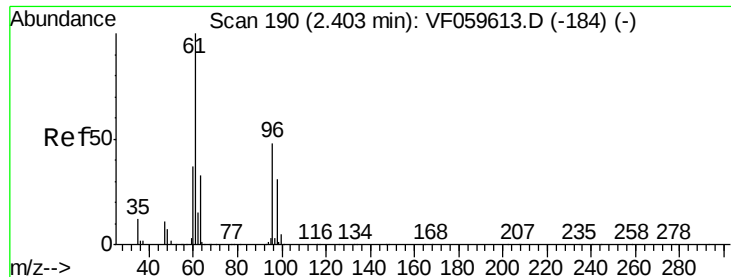
apatel
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#20
Methylene Chloride
Concen: 18.85 ug/l m
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.5	148.6	222.8#
51	51.8	42.7	64.1
86	60.9	63.0	94.6#





#21

trans-1,2-Dichloroethene

Concen: 20.07 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

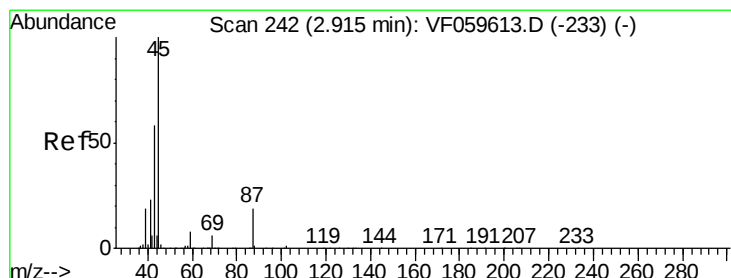
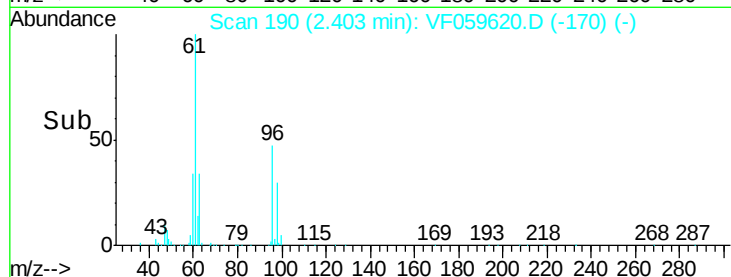
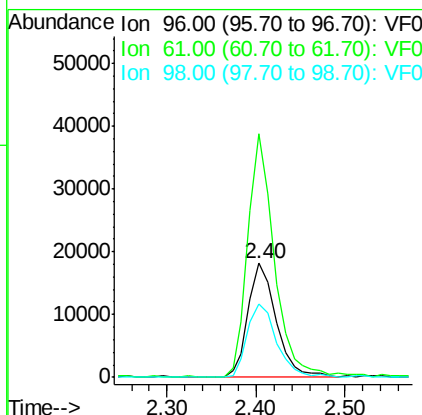
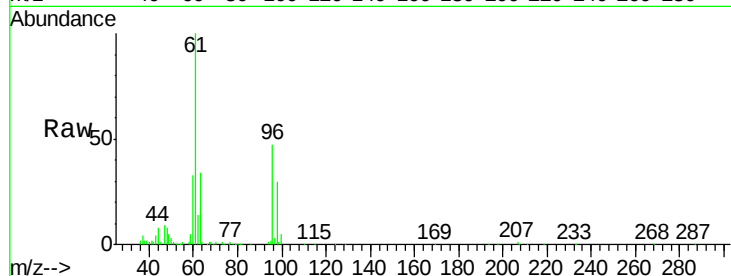
ClientSampleId :

VF0723SBS01

Tot Ion:	96	Resp:	39963
Ion	Ratio	Lower	Upper
96	100		
61	213.8	167.0	250.6
98	64.1	51.8	77.8

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#22

Diisopropyl ether

Concen: 20.35 ug/l

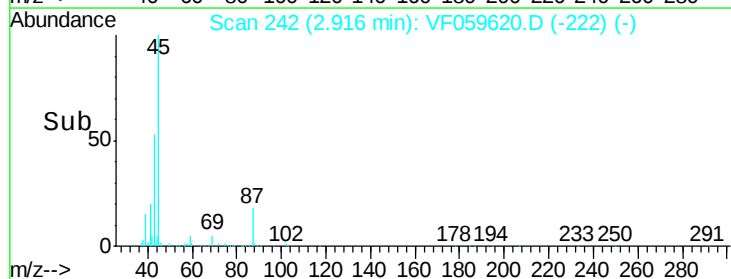
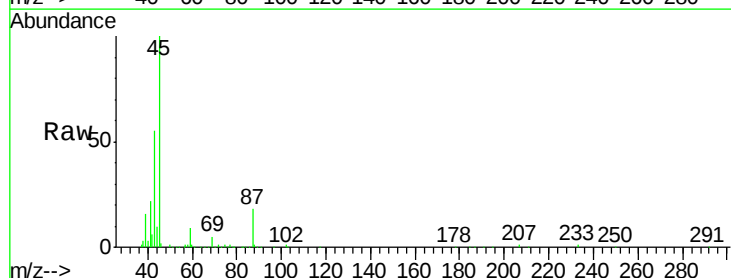
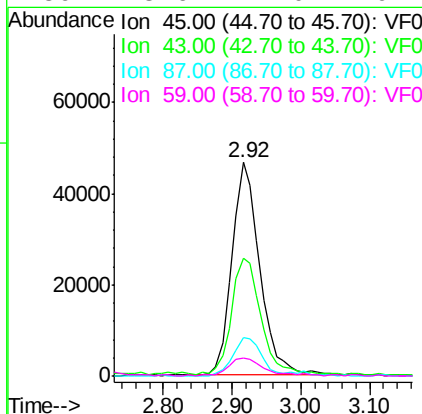
RT: 2.92 min Scan# 242

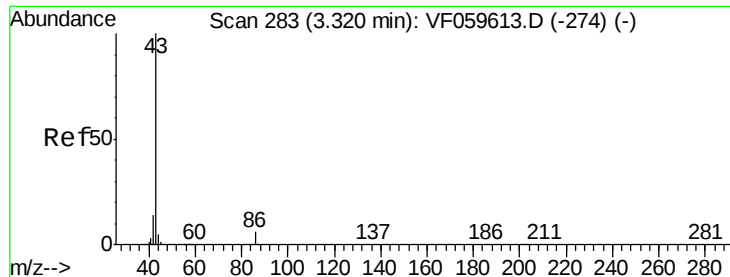
Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion:	45	Resp:	130804
Ion	Ratio	Lower	Upper
45	100		
43	55.0	46.7	70.1
87	18.3	15.0	22.6
59	8.6	7.0	10.4





#23

Vinyl Acetate

Concen: 103.74 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

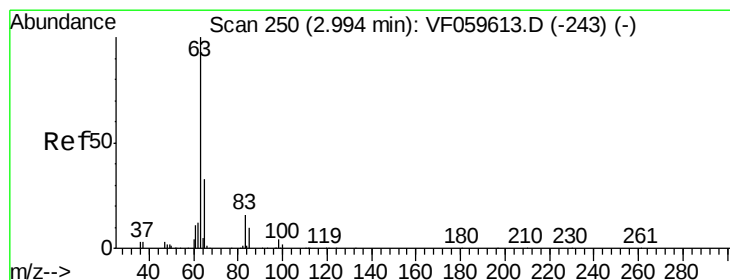
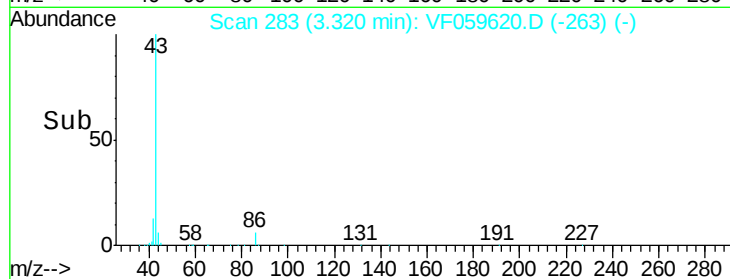
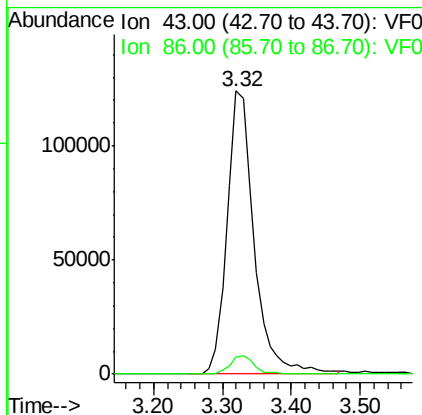
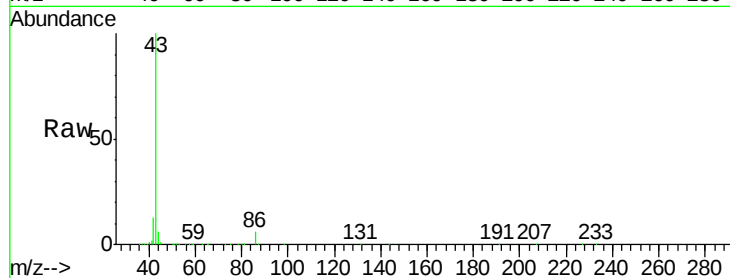
ClientSampleId :

VF0723SBS01

Tot Ion	43	Resp	335630
Ion Ratio	100	Lower	Upper
43	100		
86	5.9	4.6	6.8

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#24

1,1-Dichloroethane

Concen: 19.93 ug/l

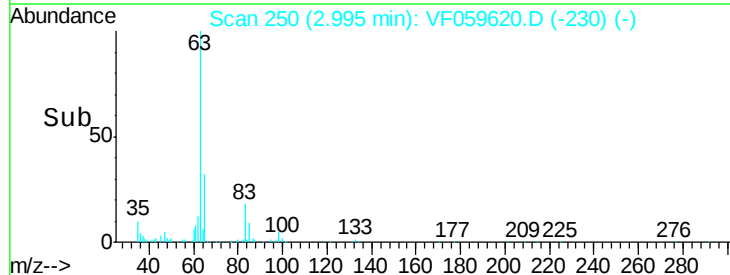
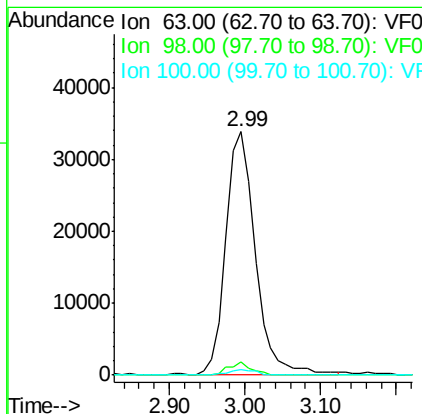
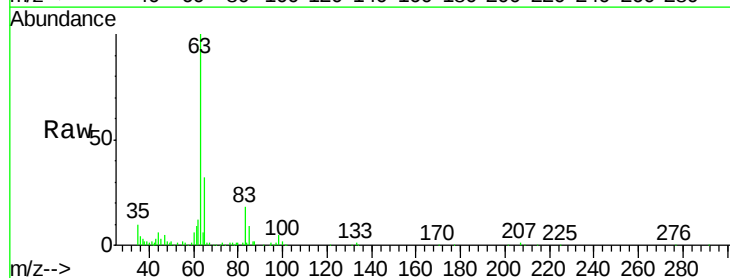
RT: 2.99 min Scan# 250

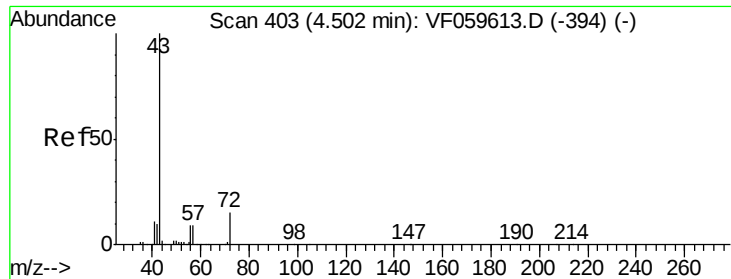
Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion	63	Resp	91802
Ion Ratio	100	Lower	Upper
63	100		
98	5.3	1.9	5.7
100	2.5	1.2	3.6





#25

2-Butanone

Concen: 99.86 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 43 Resp: 76777

Ion Ratio Lower Upper

43 100

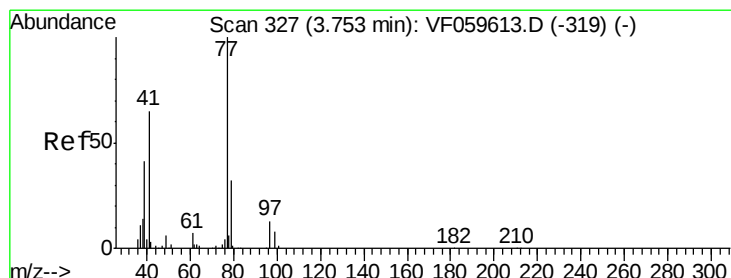
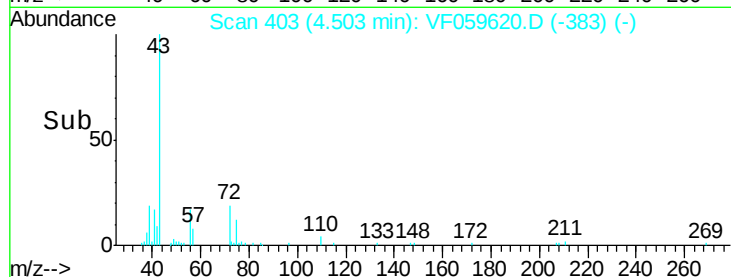
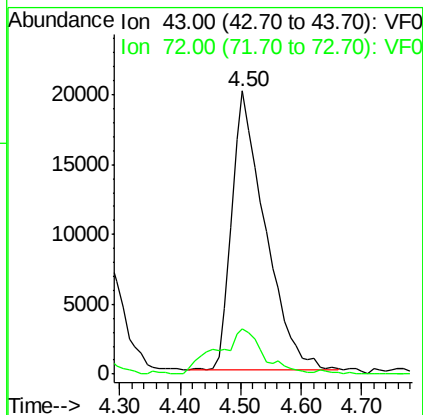
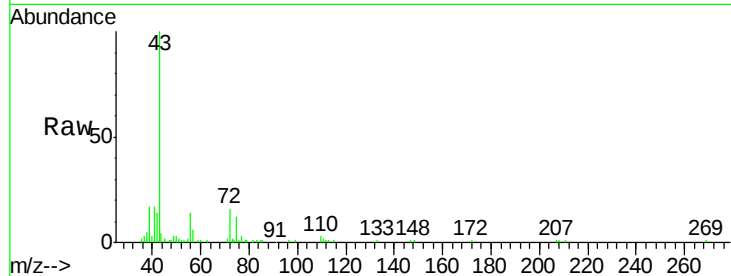
72 16.1 12.9 19.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.06 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059620.D

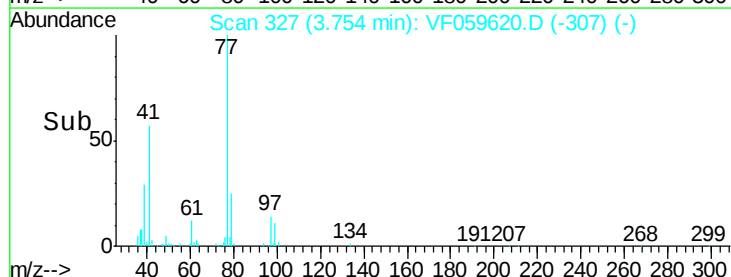
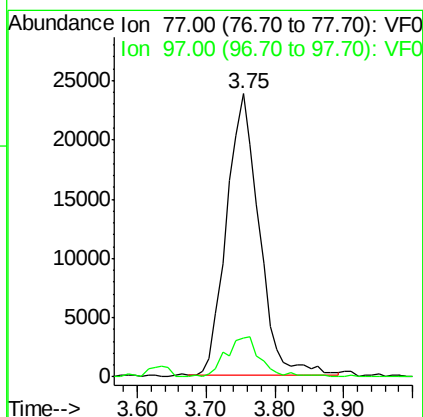
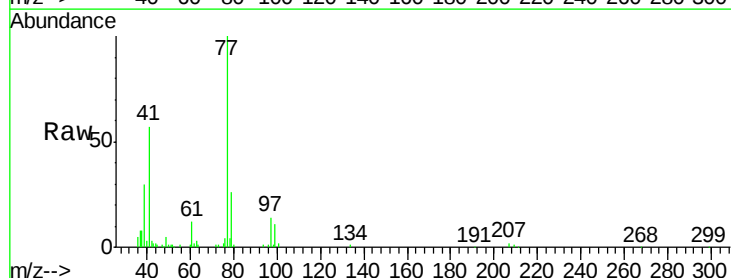
Acq: 23 Jul 2018 18:08

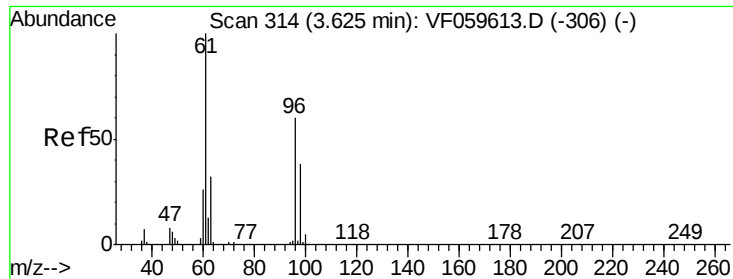
Tgt Ion: 77 Resp: 77876

Ion Ratio Lower Upper

77 100

97 13.7 7.1 21.3





#27

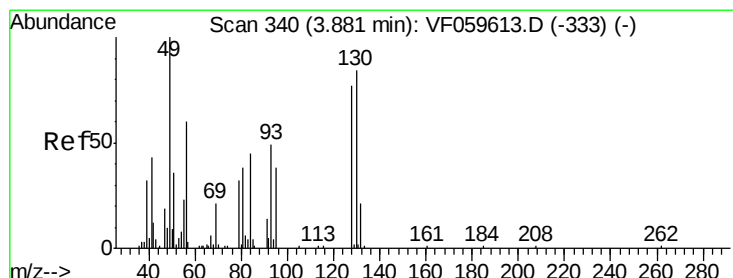
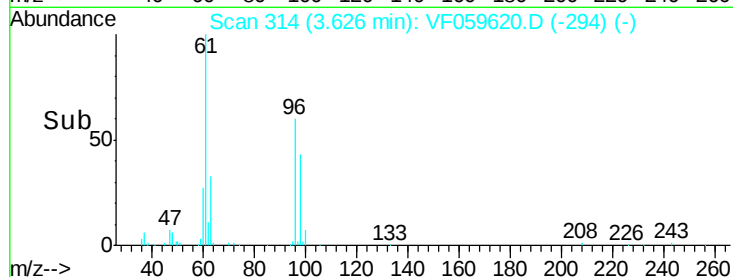
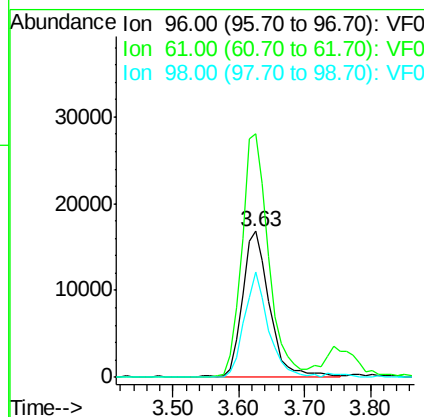
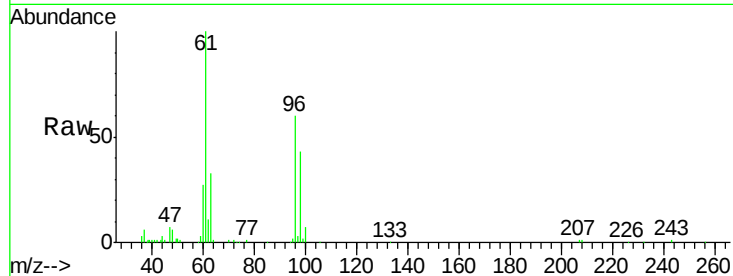
cis-1,2-Dichloroethene
Concen: 21.27 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.0	0.0	335.2
98	72.0	0.0	126.6

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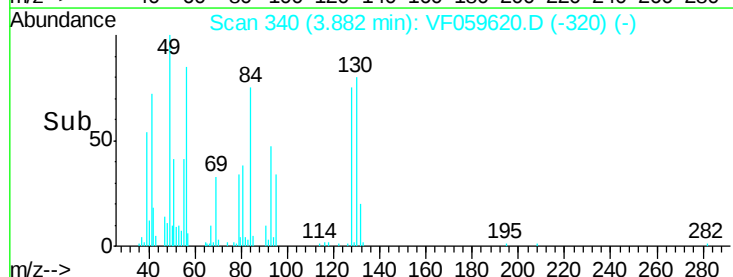
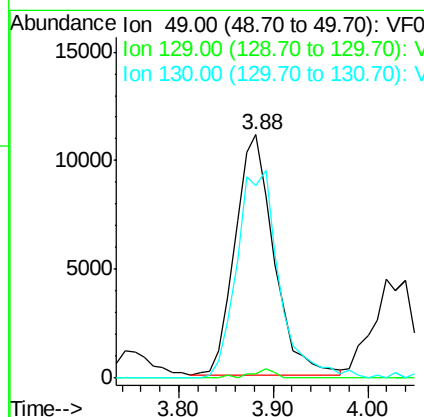
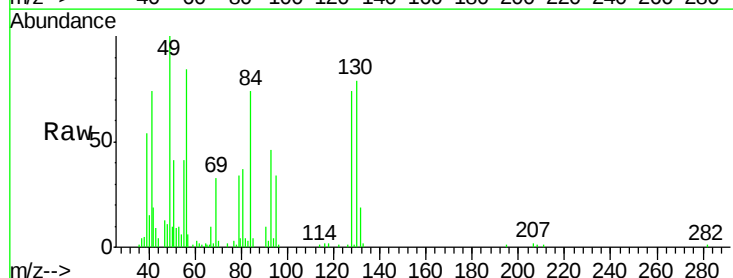
apatel
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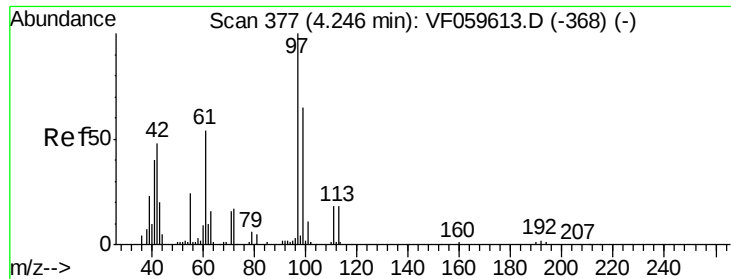


#28

Bromochloromethane
Concen: 18.49 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.6
130	79.2	67.1	100.7





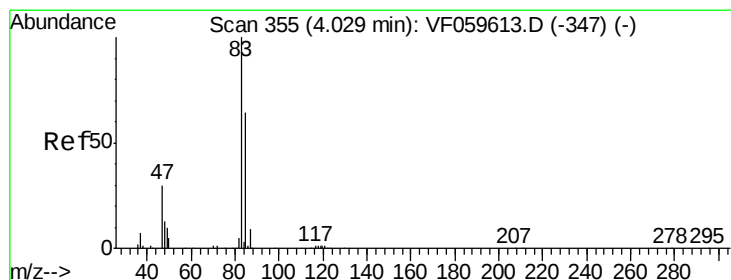
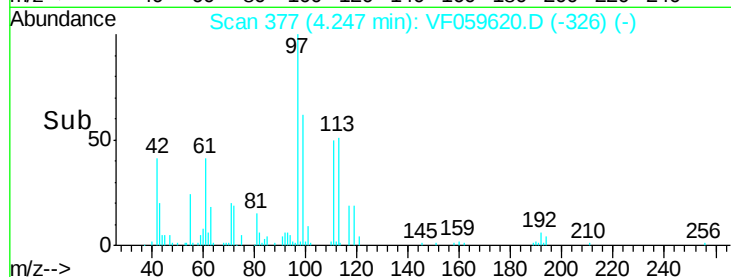
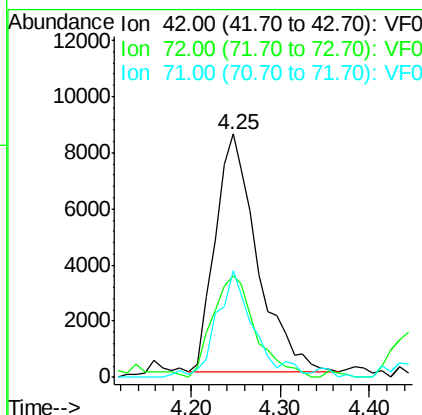
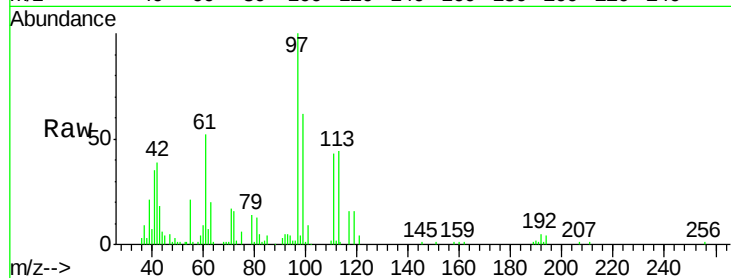
#29
Tetrahydrofuran
Concen: 89.53 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	27.9	41.9#
71	40.0	29.3	43.9

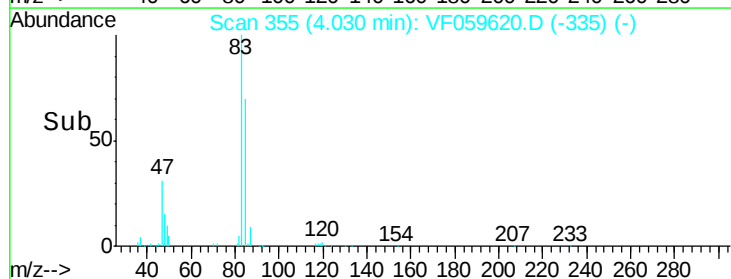
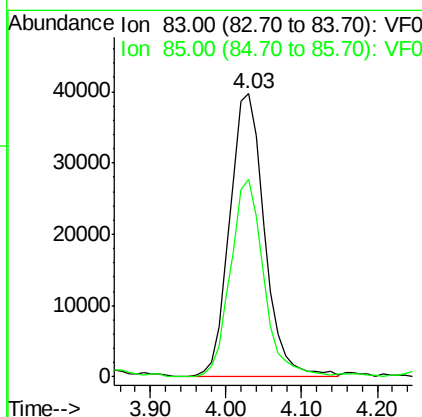
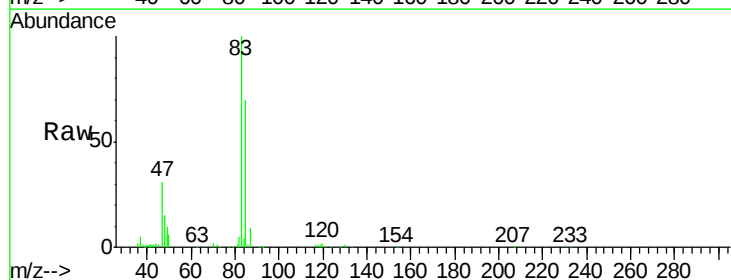
Manual Integrations
APPROVED

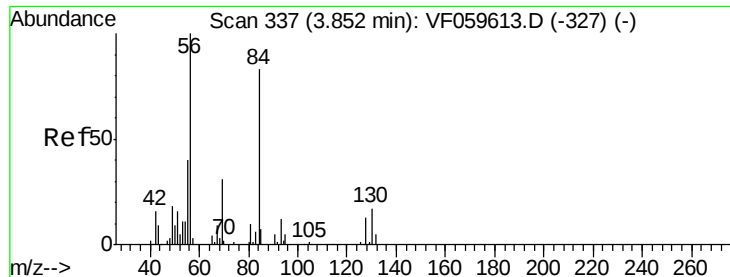
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#30
Chloroform
Concen: 19.81 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.0	51.1	76.7





#31

Cyclohexane

Concen: 22.86 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

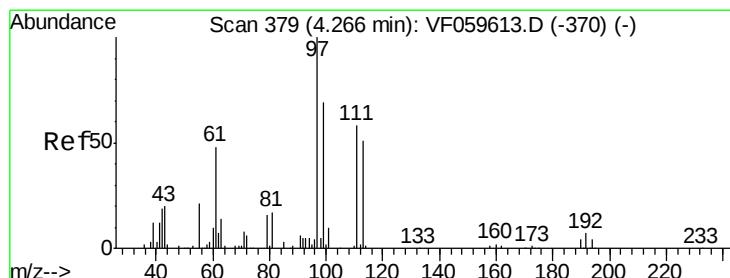
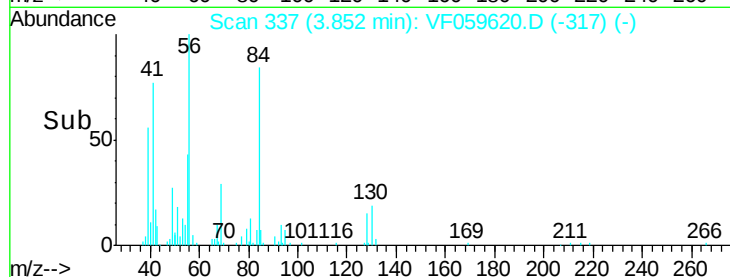
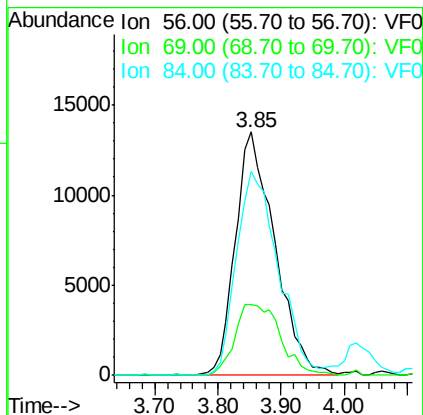
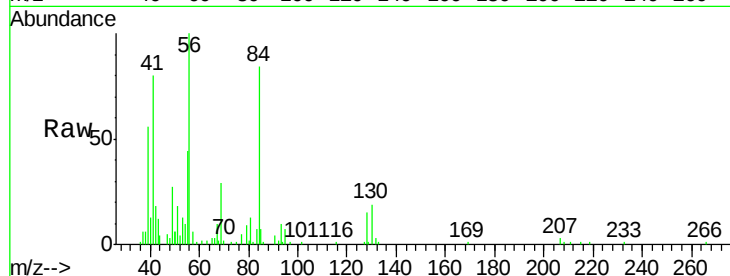
VF0723SBS01

Tot Ion:	56	Resp:	58605
Ion Ratio	Lower	Upper	
56	100		
69	28.9	24.6	37.0
84	83.7	66.6	99.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.06 ug/l

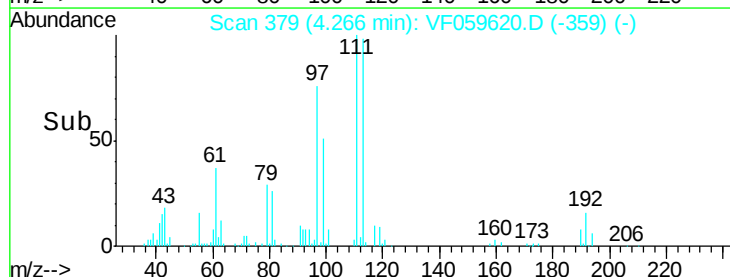
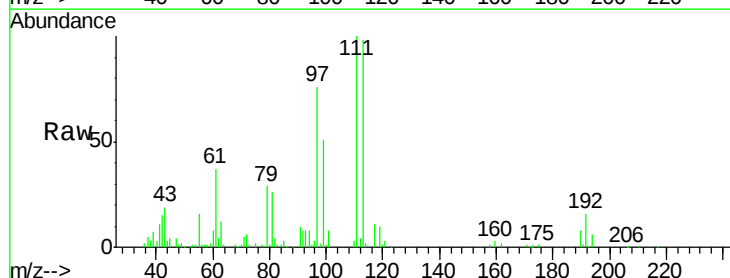
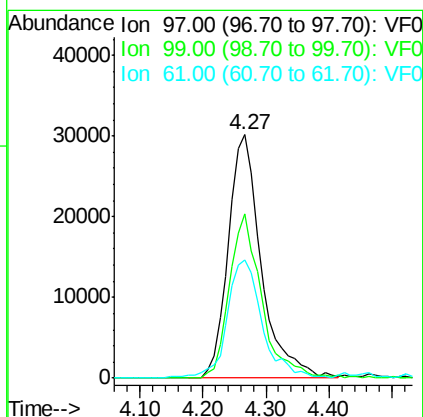
RT: 4.27 min Scan# 379

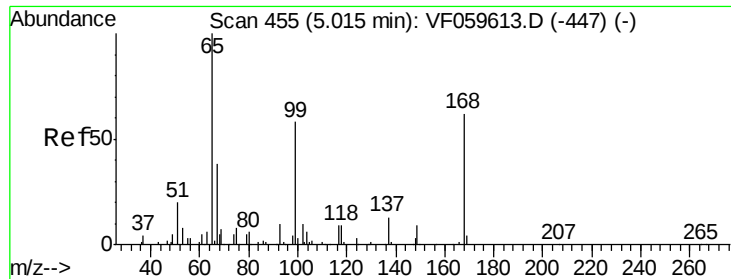
Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion:	97	Resp:	109336
Ion Ratio	Lower	Upper	
97	100		
99	67.2	55.4	83.2
61	48.5	39.3	58.9





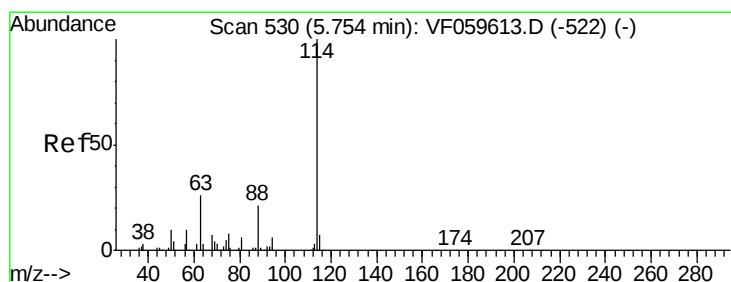
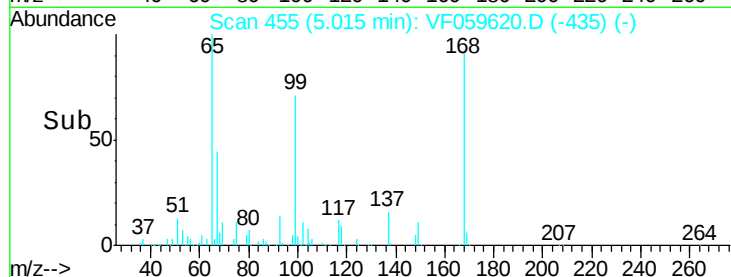
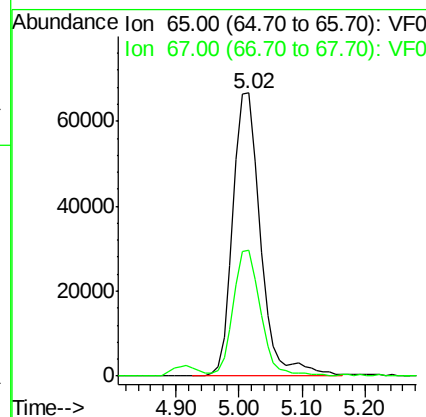
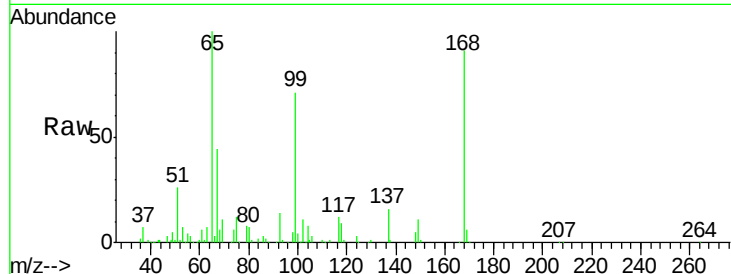
#33
 1,2-Dichloroethane-d4
 Concen: 46.75 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion	Ratio	Resp Lower	Upper
65	100		
67	44.5	0.0	83.8

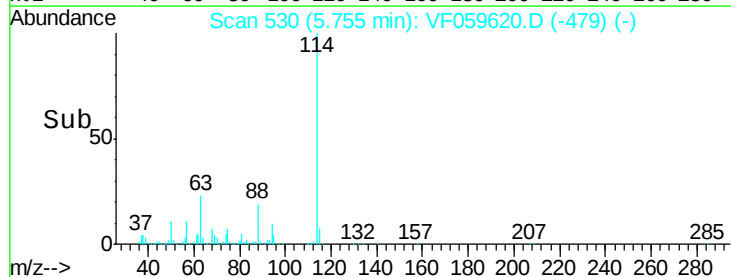
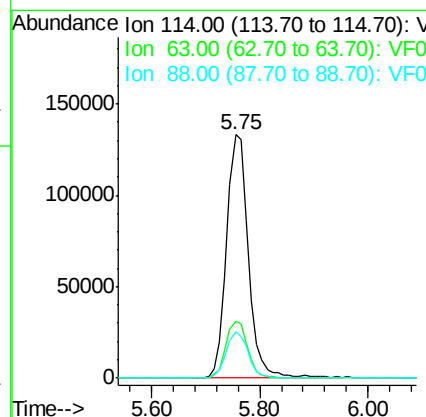
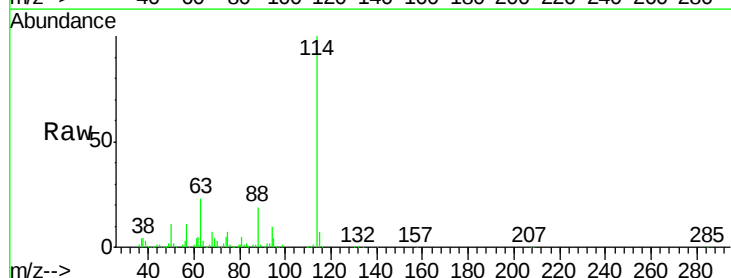
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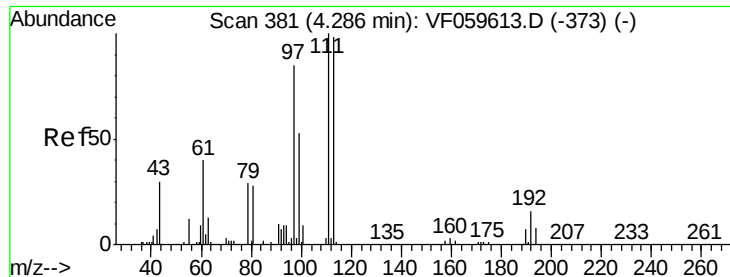
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Resp Lower	Upper
114	100		
63	23.1	0.0	51.8
88	19.3	0.0	42.8





#35

Dibromofluoromethane

Concen: 51.21 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

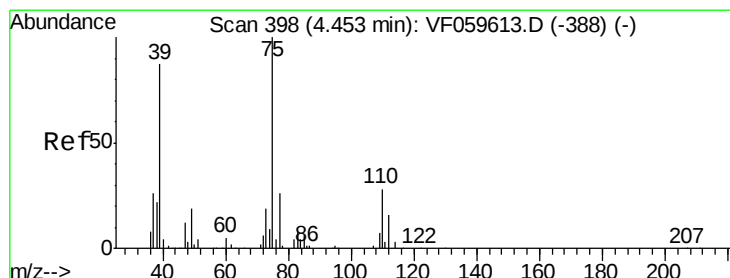
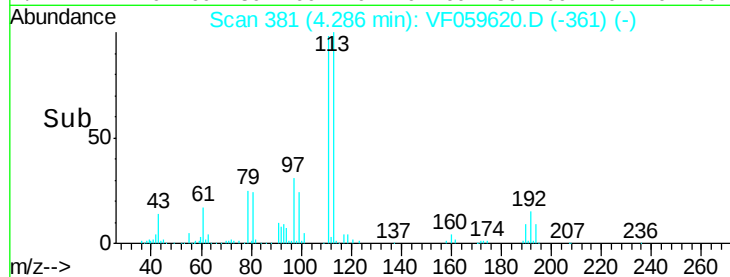
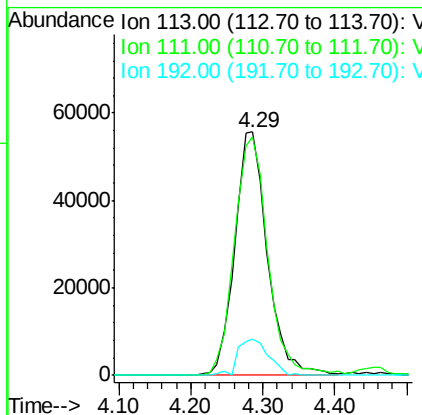
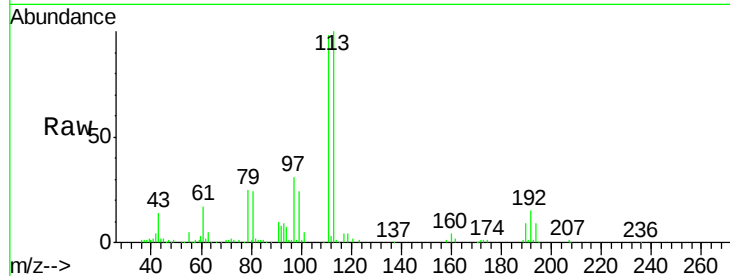
VF0723SBS01

Tot Ion:	113	Resp:	175653
Ion Ratio	Lower	Upper	
113	100		
111	98.0	81.5	122.3
192	15.1	13.4	20.2

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#36

1,1-Dichloropropene

Concen: 21.81 ug/l

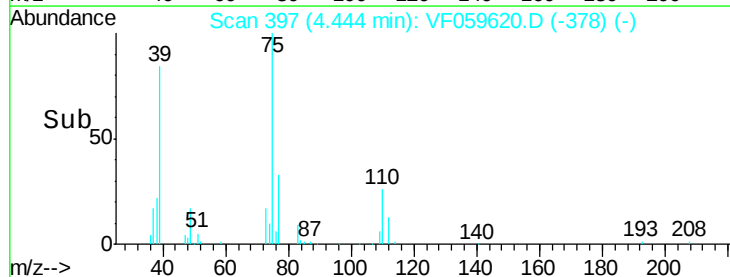
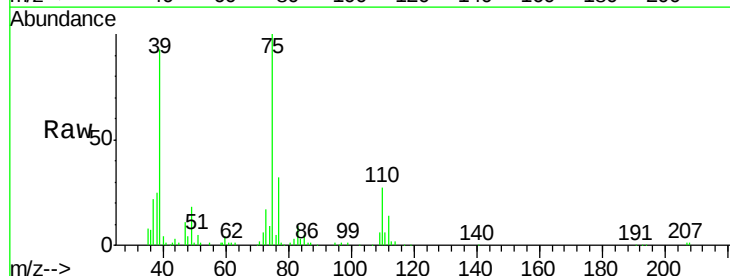
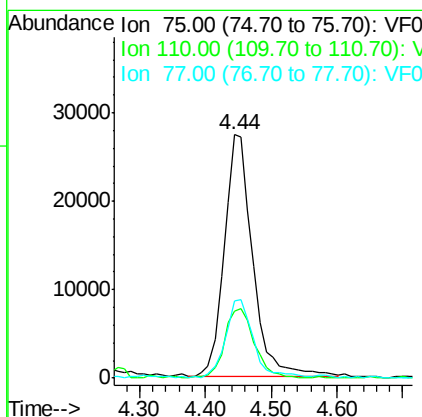
RT: 4.44 min Scan# 397

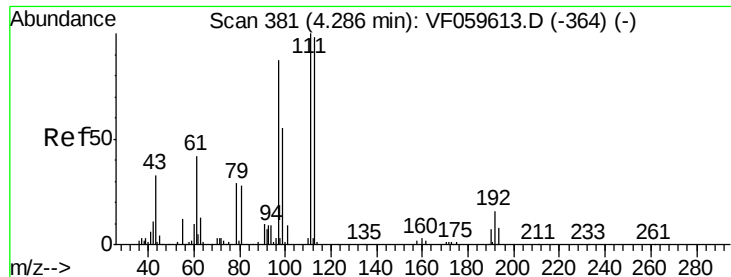
Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion:	75	Resp:	82118
Ion Ratio	Lower	Upper	
75	100		
110	27.4	14.2	42.6
77	32.0	20.3	30.5#





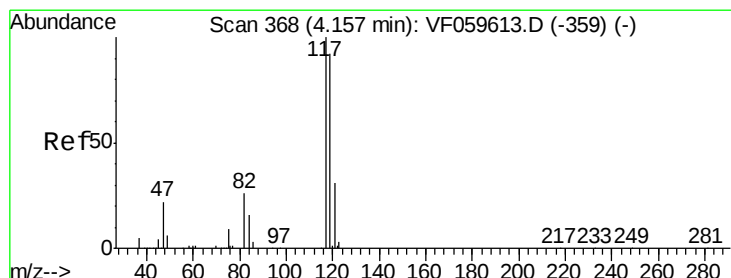
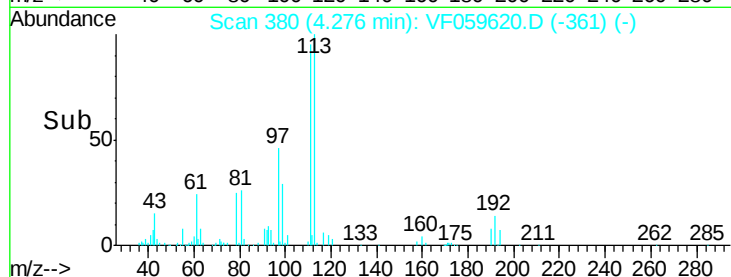
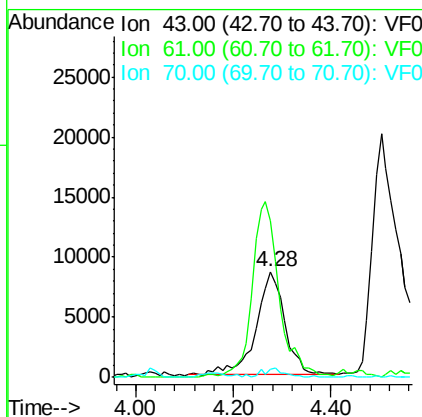
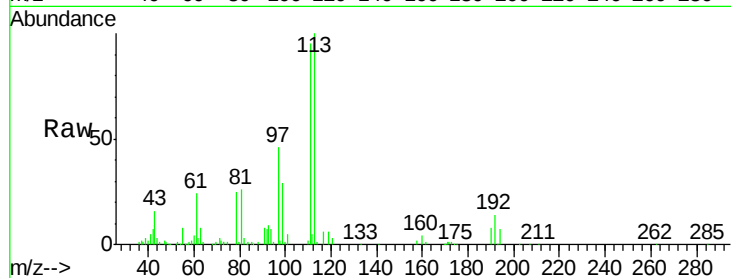
#37
Ethyl Acetate
Concen: 23.57 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	43	Resp	35675
Ion Ratio	100	Lower	Upper
43	100		
61	148.6	101.9	152.9
70	7.8	7.9	11.9#

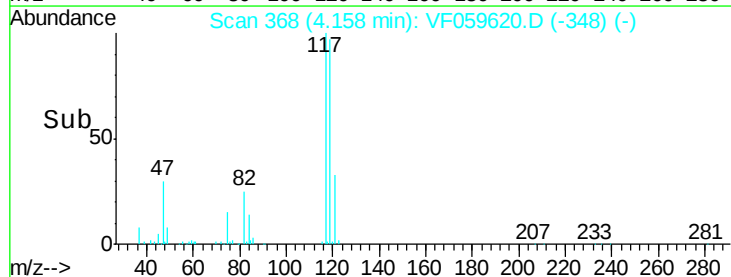
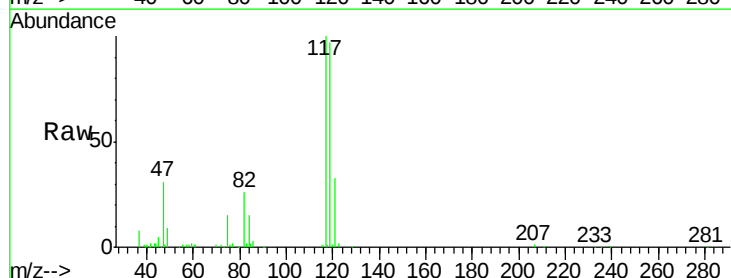
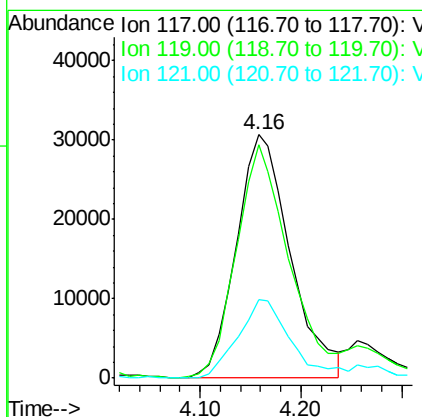
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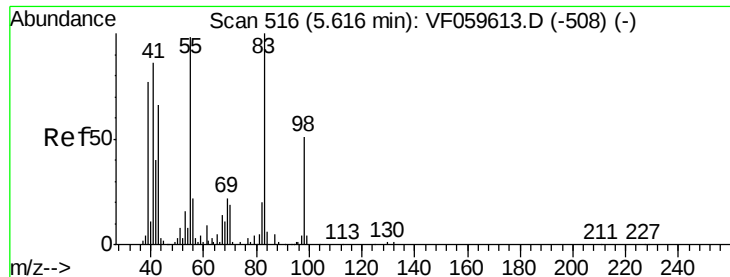
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#38
Carbon Tetrachloride
Concen: 19.69 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	117	Resp	114355
Ion Ratio	100	Lower	Upper
117	100		
119	95.9	74.2	111.4
121	32.4	24.7	37.1





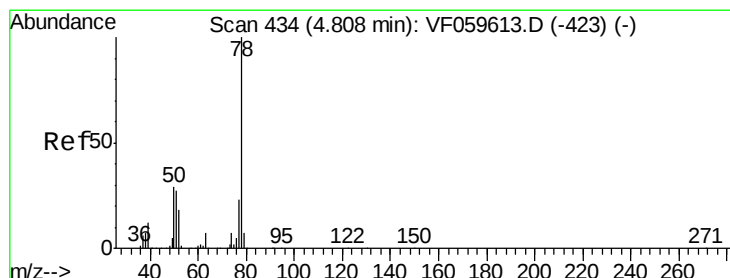
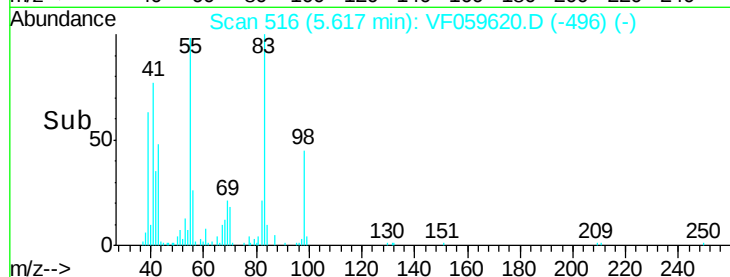
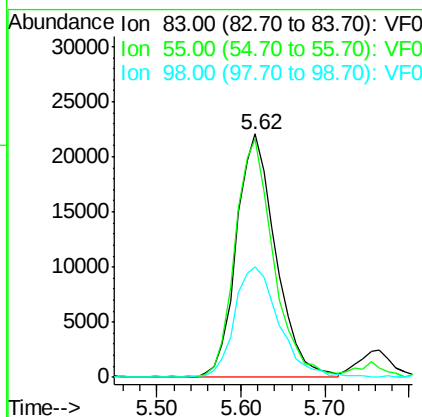
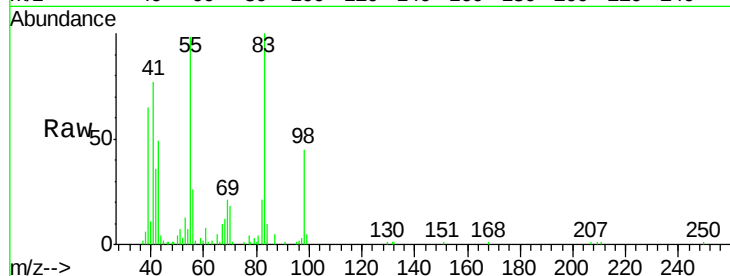
#39
Methvlcvclohexane
Concen: 23.59 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.1	78.5	117.7
98	45.2	41.1	61.7

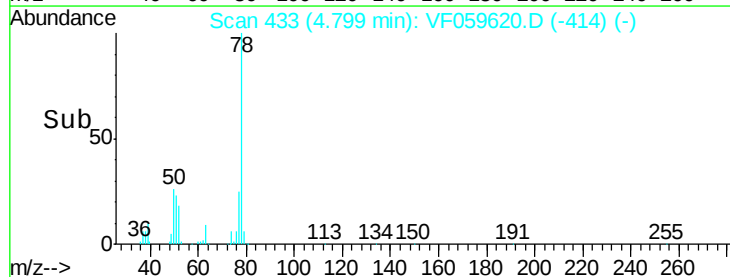
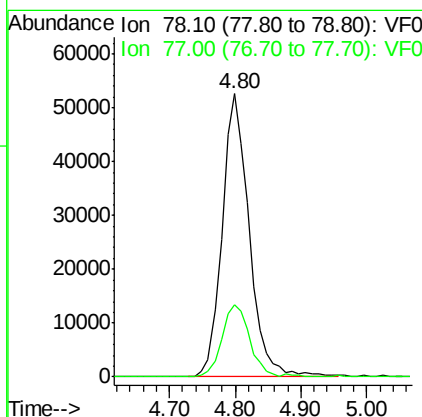
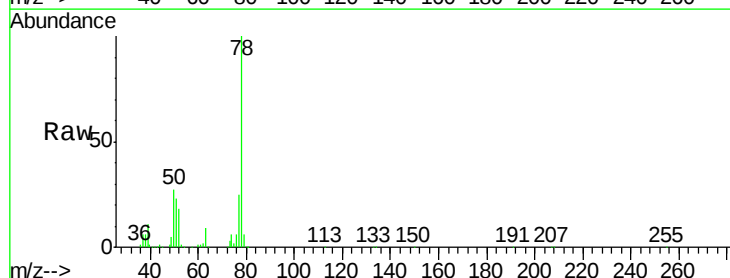
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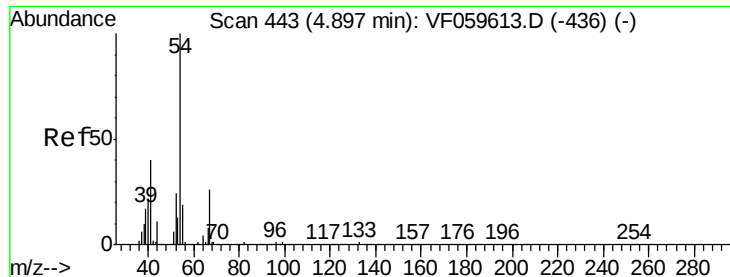
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#40
Benzene
Concen: 21.97 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.4	27.6





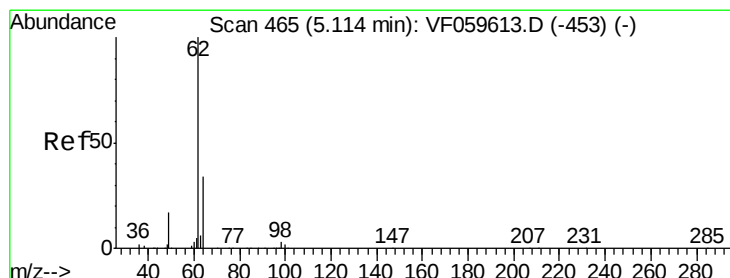
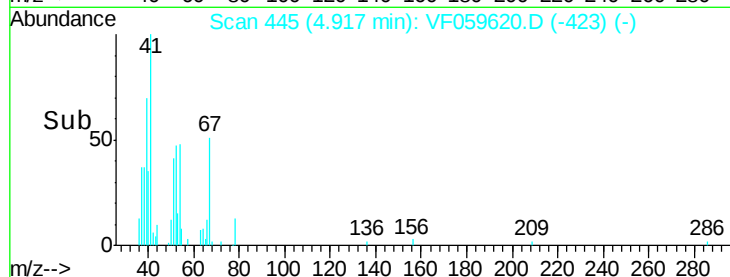
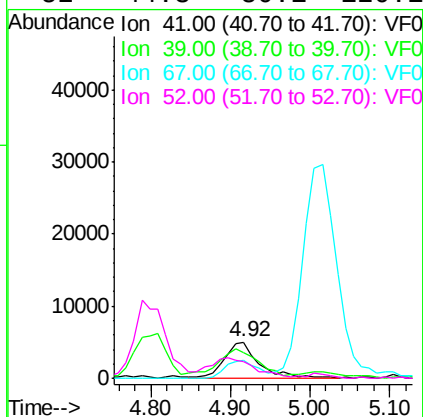
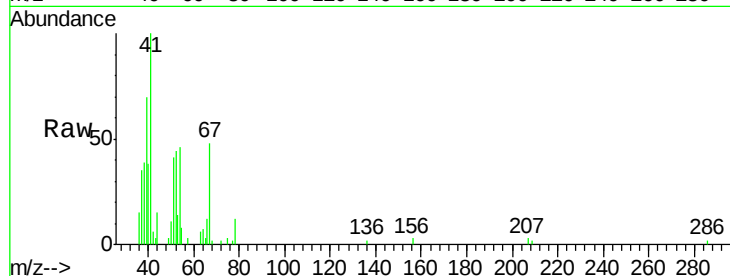
#41
Methacrylonitrile
Concen: 20.00 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.02 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.7	58.2	87.4
67	47.9	51.0	76.6
52	44.3	80.1	120.1

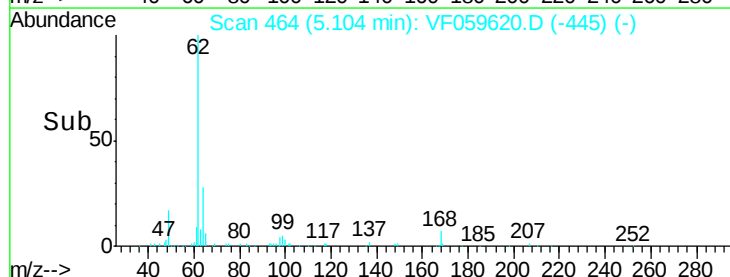
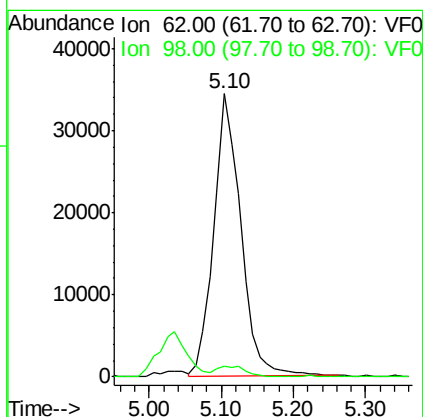
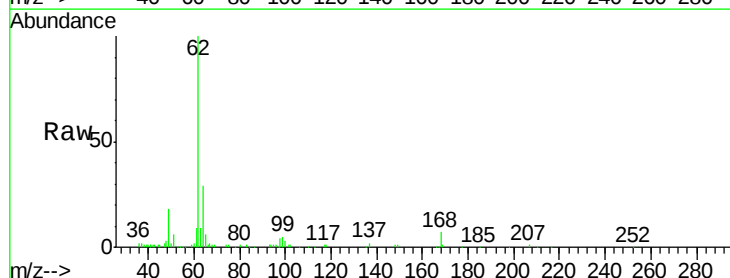
Manual Integrations
APPROVED

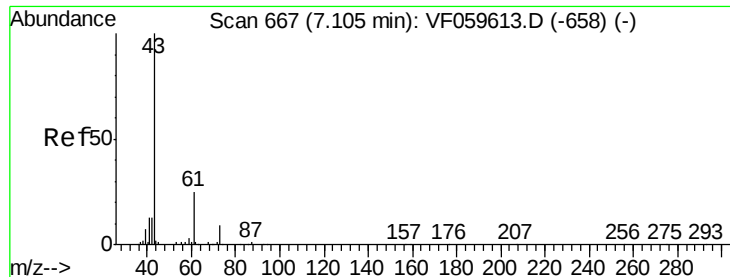
apatel
7/24/2018 1:14:41 PM



#42
1,2-Dichloroethane
Concen: 19.18 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.8	0.0	8.4





#43

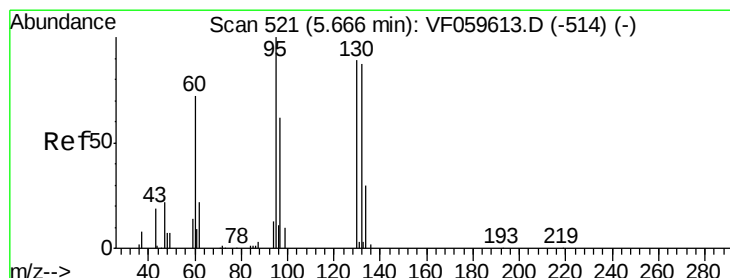
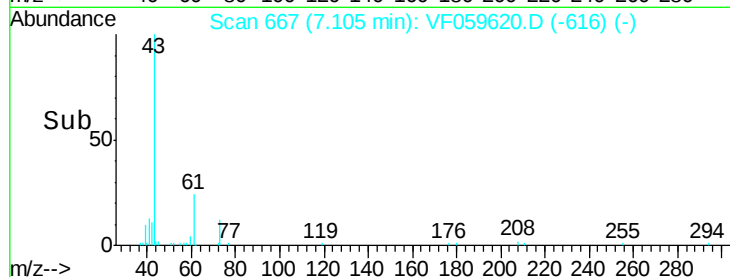
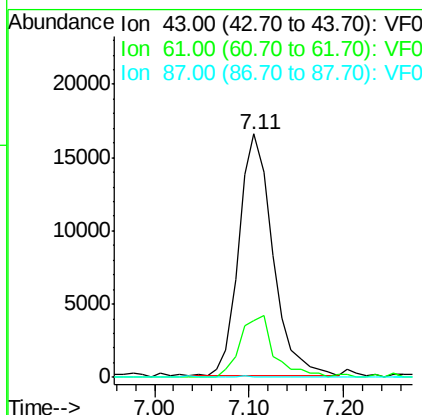
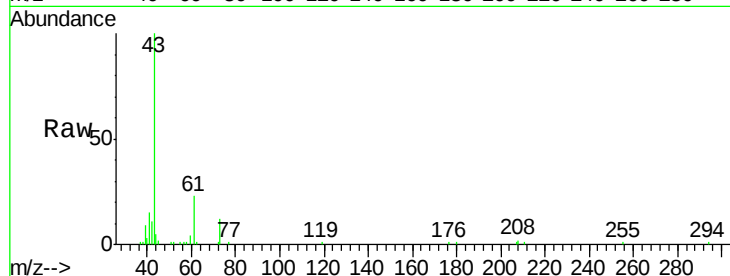
Isopropyl Acetate
 Concen: 21.19 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.2	20.1	30.1
87	0.0	0.5	0.7#

Manual Integrations
 APPROVED

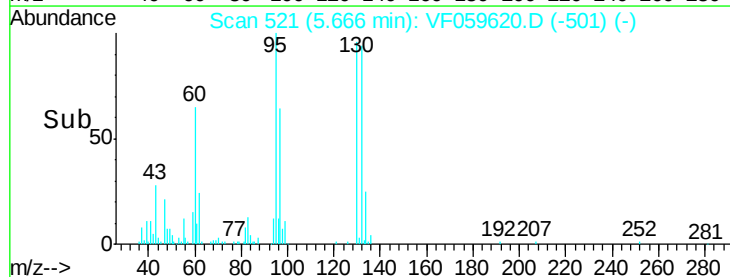
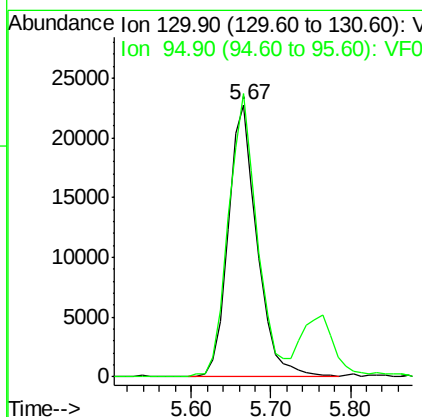
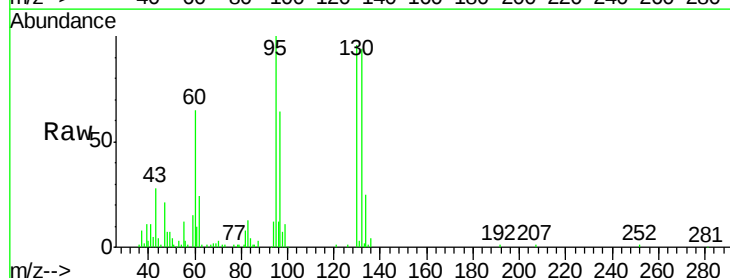
apatel
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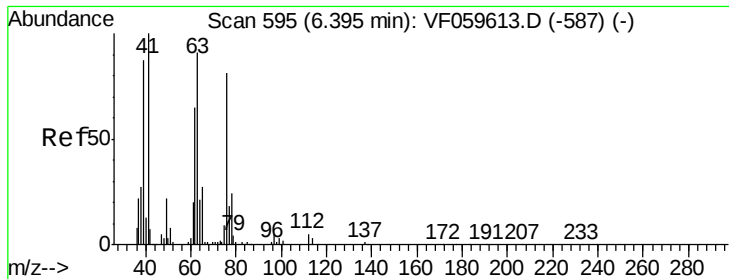


#44

Trichloroethene
 Concen: 21.80 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	226.4





#45

1,2-Dichloropropane

Concen: 21.36 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 63 Resp: 39777

Ion Ratio Lower Upper

63 100

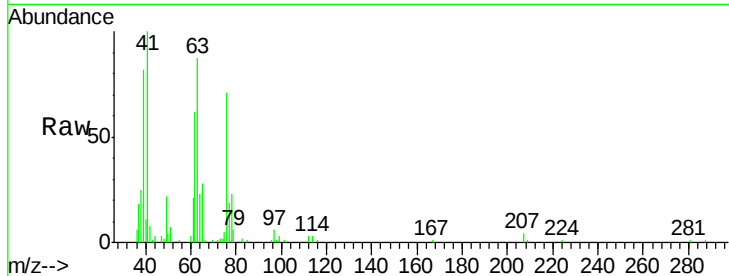
65 32.7 23.4 35.0

Manual Integrations

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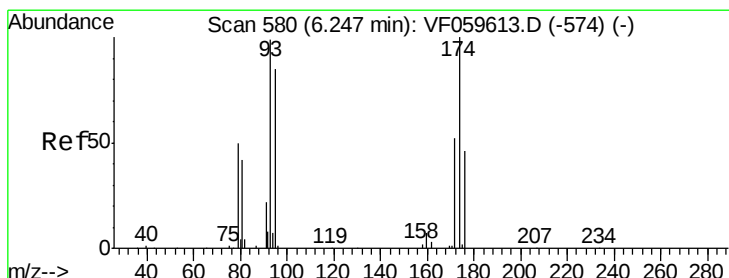
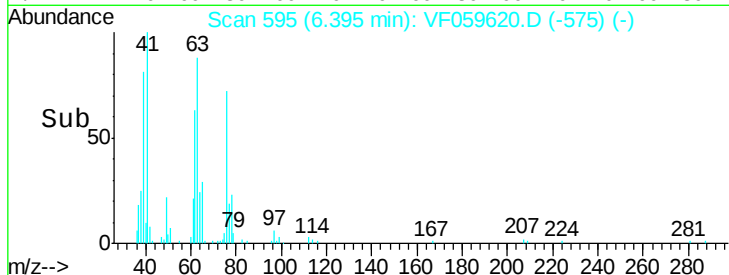
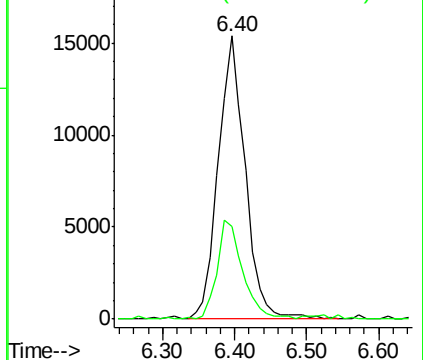
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.06 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

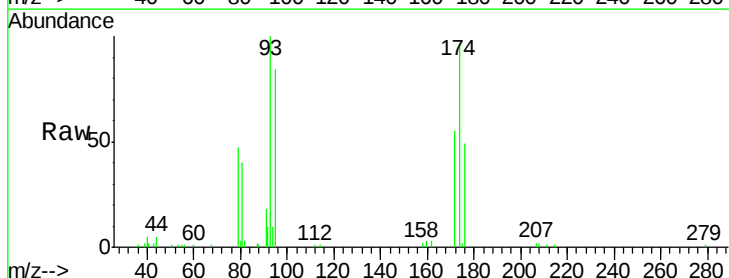
Tgt Ion: 93 Resp: 32497

Ion Ratio Lower Upper

93 100

95 83.7 68.6 102.8

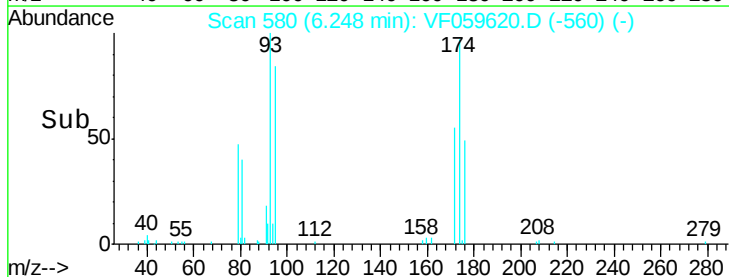
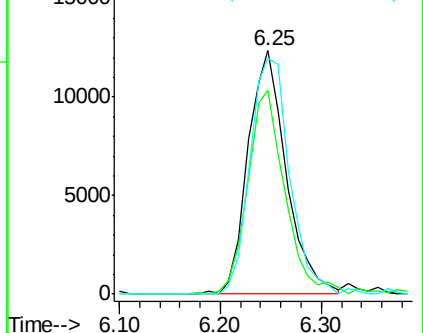
174 96.8 80.8 121.2

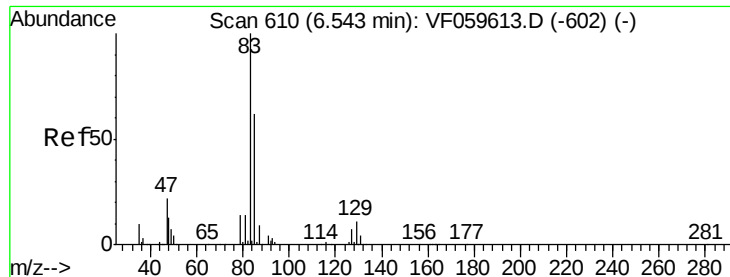


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.80 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

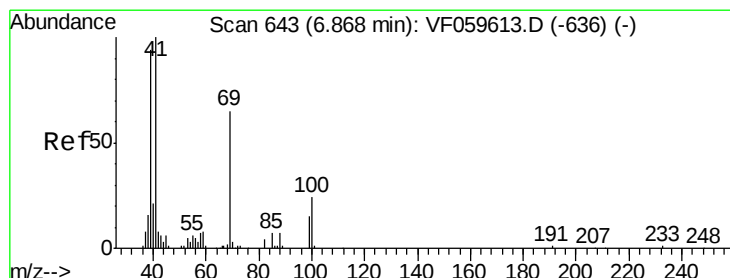
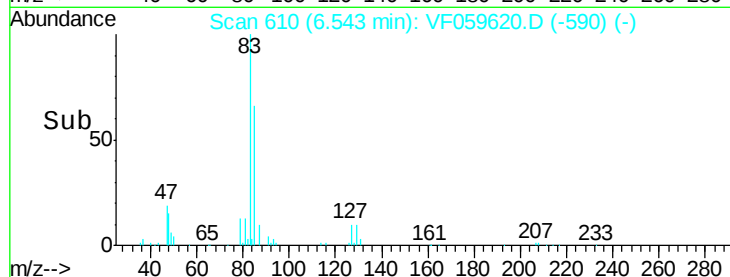
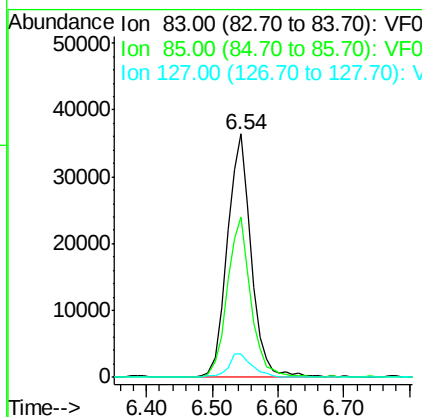
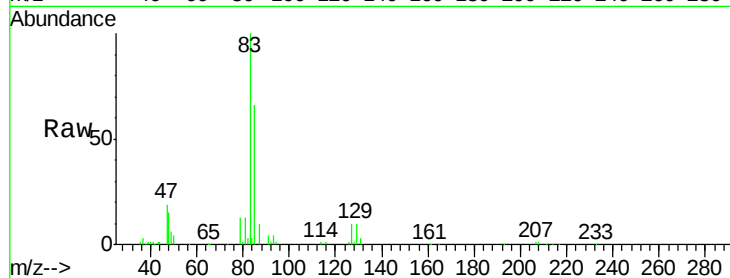
VF0723SBS01

Tot Ion:	83	Resp:	92732
Ion Ratio	Lower	Upper	
83	100		
85	66.1	49.4	74.0
127	9.8	5.9	8.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.27 ug/l

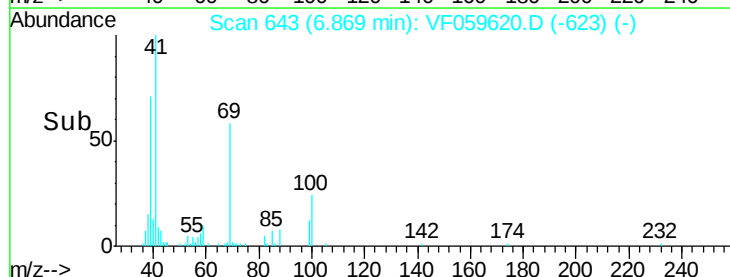
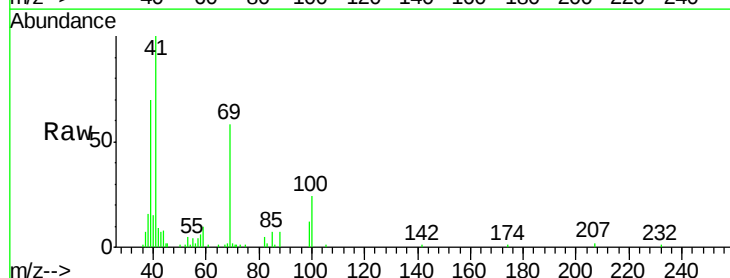
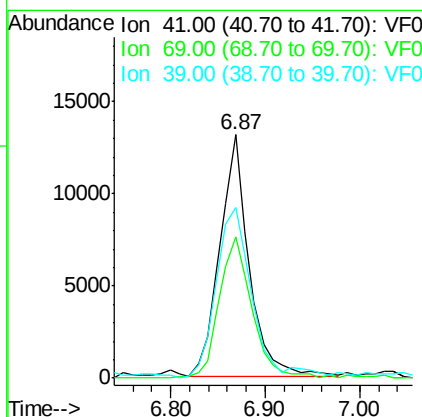
RT: 6.87 min Scan# 643

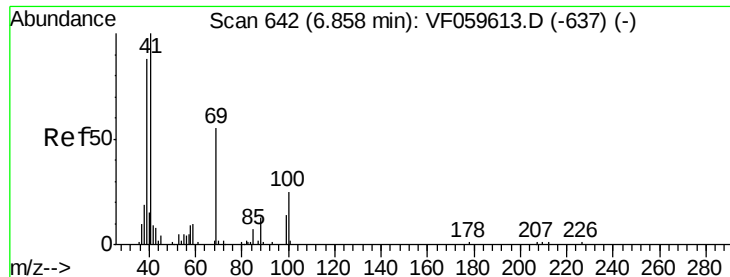
Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion:	41	Resp:	27870
Ion Ratio	Lower	Upper	
41	100		
69	58.0	51.6	77.4
39	70.3	76.3	114.5#





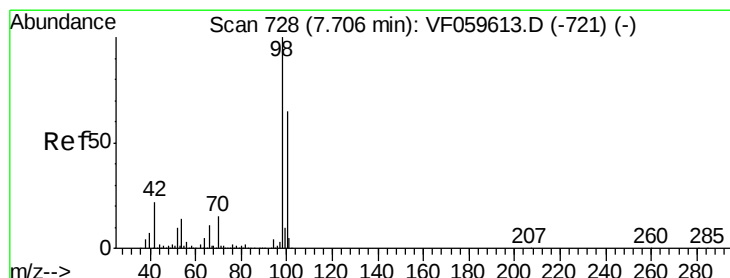
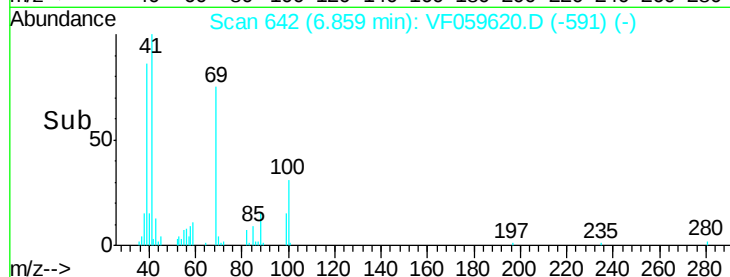
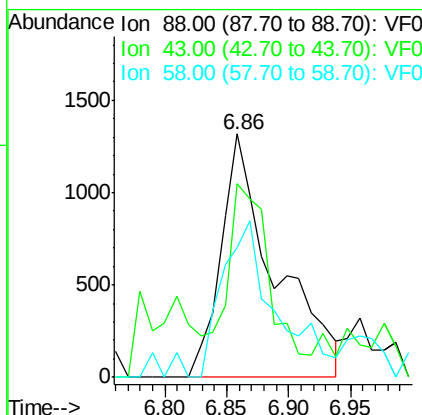
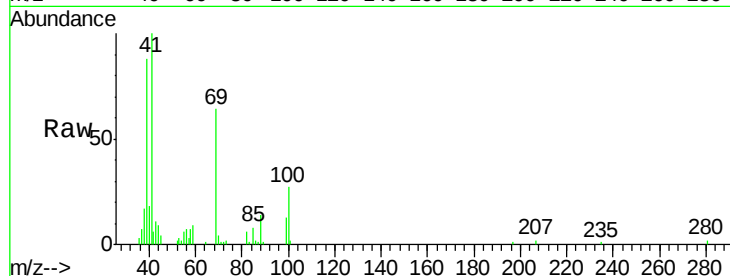
#49
1,4-Dioxane
Concen: 429.49 ug/l m
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	79.5	54.2	81.4
58	53.5	54.3	81.5#

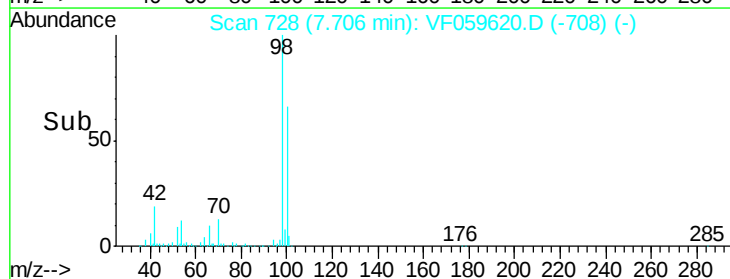
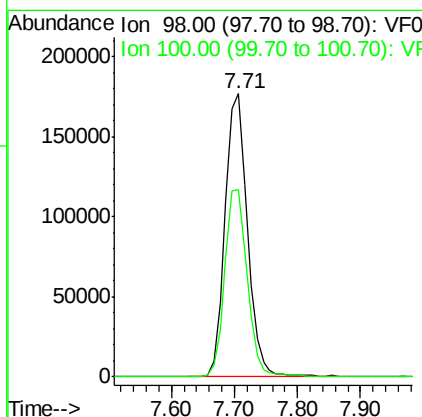
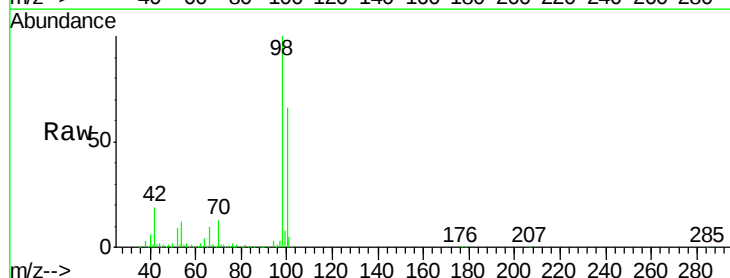
Manual Integrations
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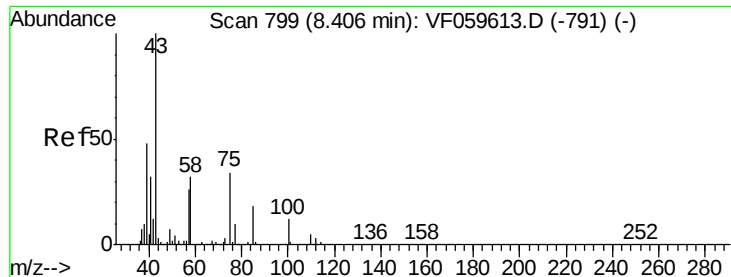
apatel
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#50
Toluene-d8
Concen: 50.96 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 102.21 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 43 Resp: 144028

Ion Ratio Lower Upper

43 100

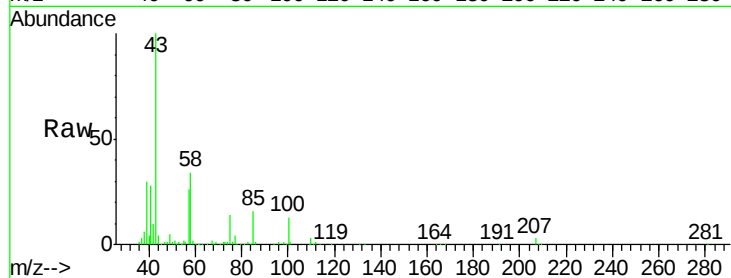
58 34.1 25.8 38.6

Manual Integrations

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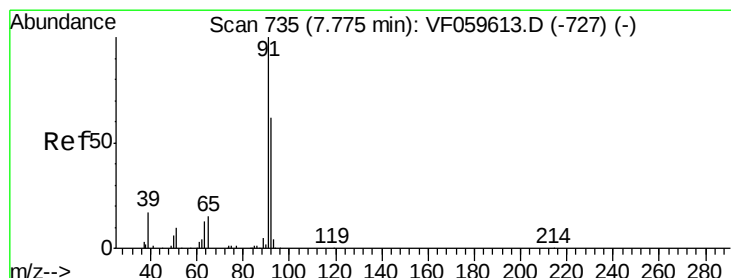
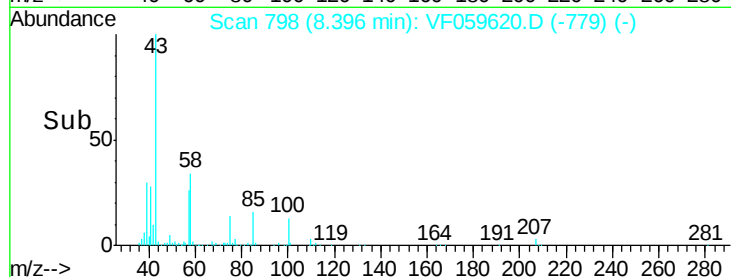
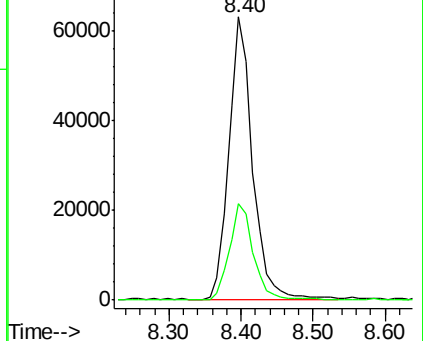
apatel

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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: 21.61 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059620.D

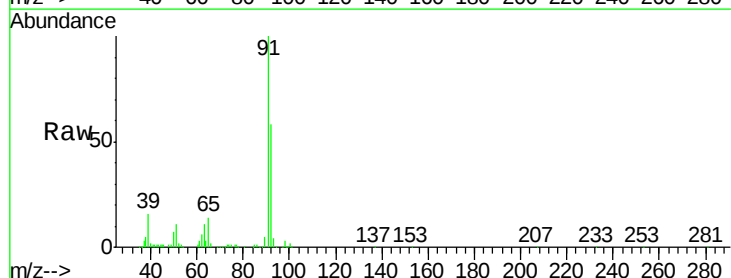
Acq: 23 Jul 2018 18:08

Tgt Ion: 92 Resp: 113178

Ion Ratio Lower Upper

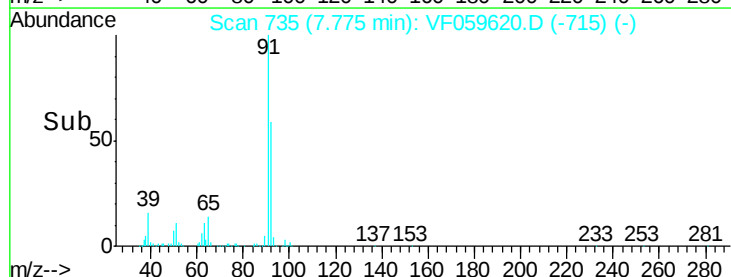
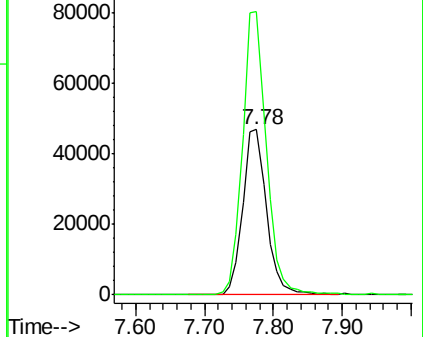
92 100

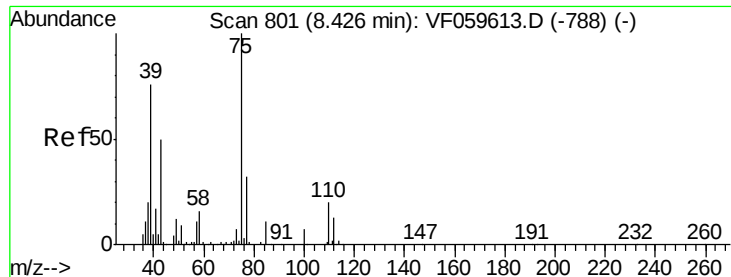
91 171.0 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 19.48 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 75 Resp: 77093

Ion Ratio Lower Upper

75 100

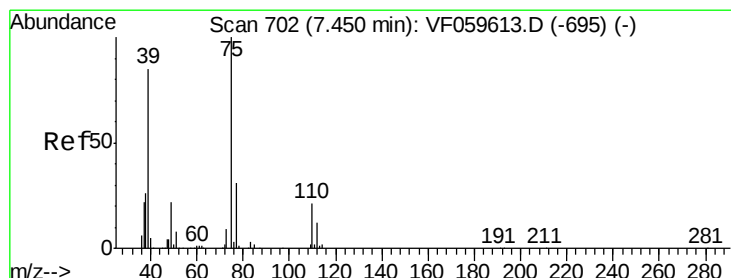
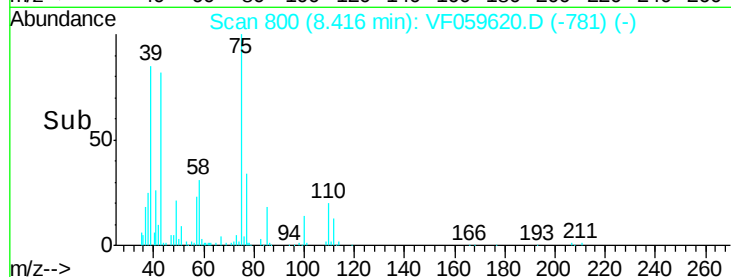
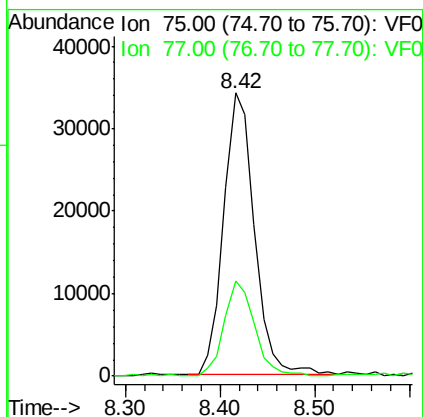
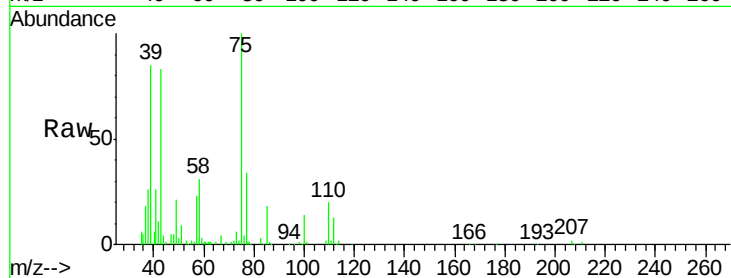
77 33.6 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.38 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

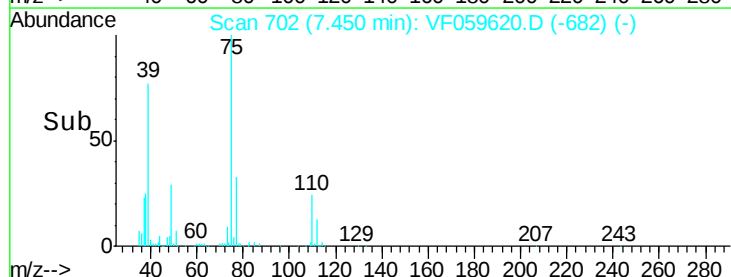
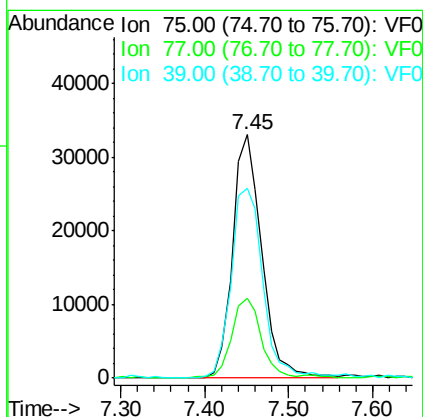
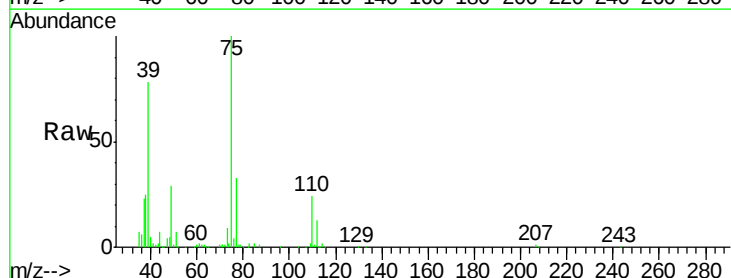
Tgt Ion: 75 Resp: 79960

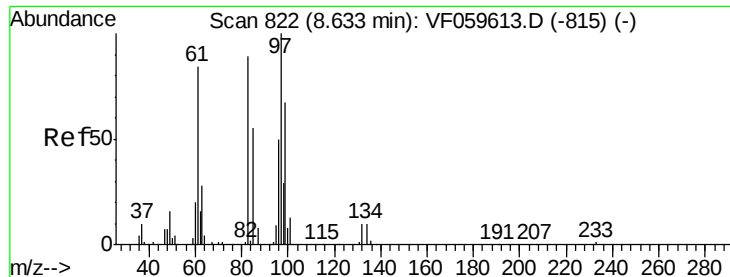
Ion Ratio Lower Upper

75 100

77 32.7 24.6 37.0

39 78.0 67.8 101.6





#55

1,1,2-Trichloroethane

Concen: 19.93 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

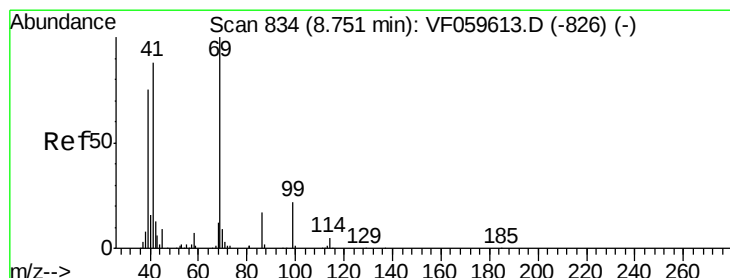
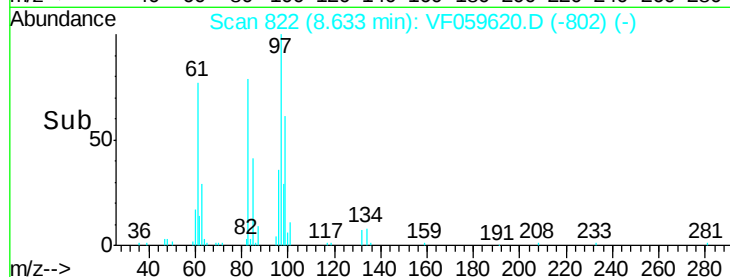
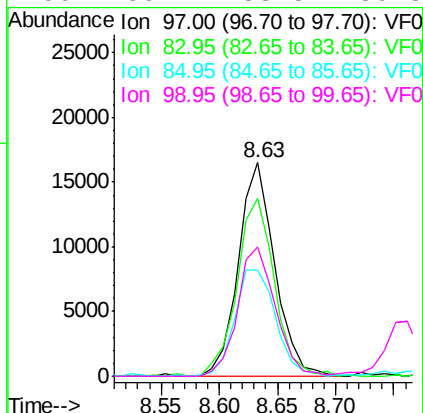
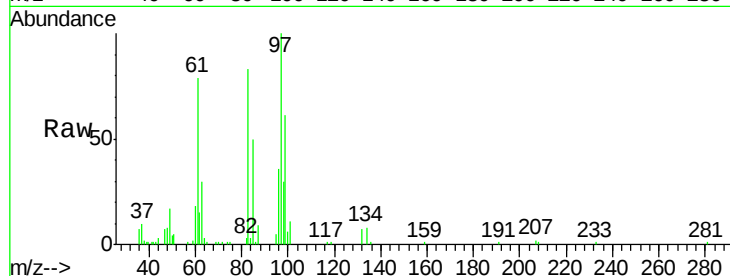
VF0723SBS01

Tot Ion:	97	Resp:	35725
Ion	Ratio	Lower	Upper
97	100		
83	83.1	71.8	107.6
85	49.5	43.9	65.9
99	60.7	53.5	80.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.81 ug/l

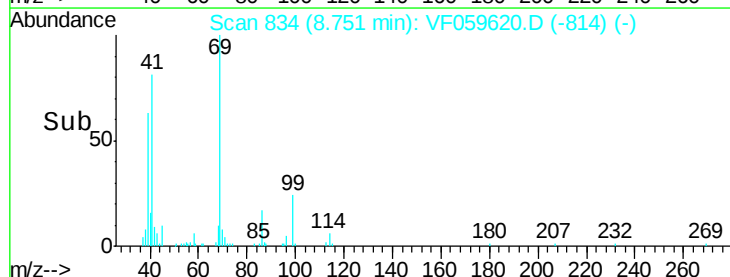
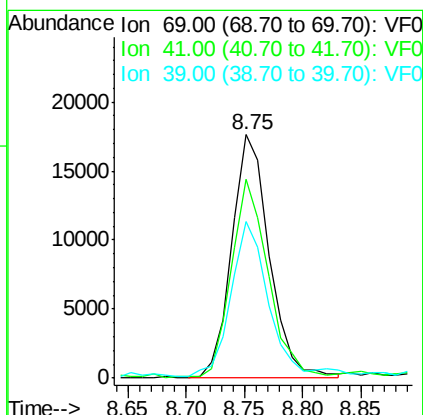
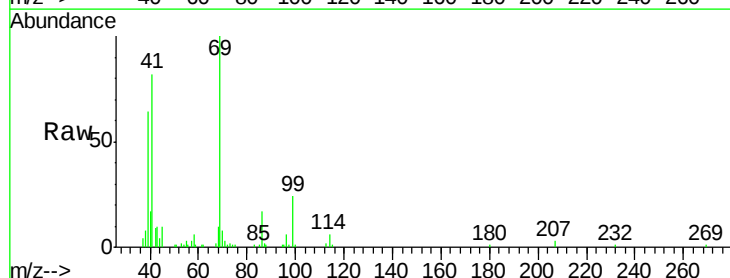
RT: 8.75 min Scan# 834

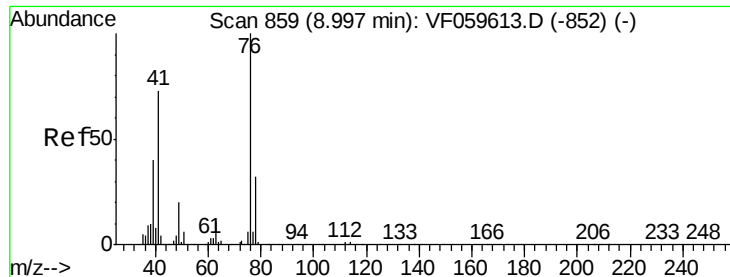
Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion:	69	Resp:	39531
Ion	Ratio	Lower	Upper
69	100		
41	81.9	70.8	106.2
39	64.4	60.7	91.1





#57

1,3-Dichloropropane

Concen: 20.64 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 76 Resp: 64374

Ion Ratio Lower Upper

76 100

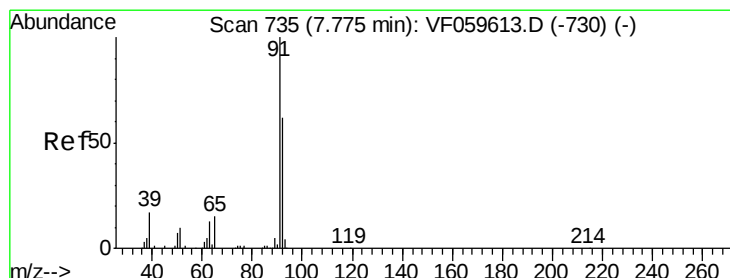
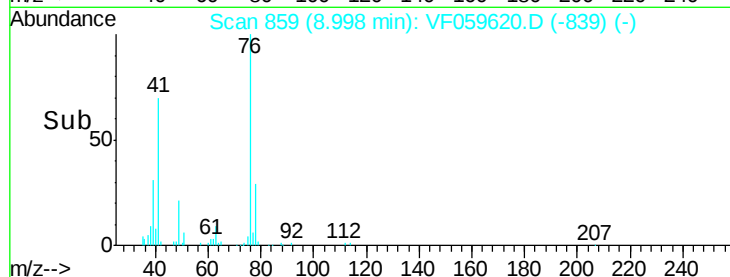
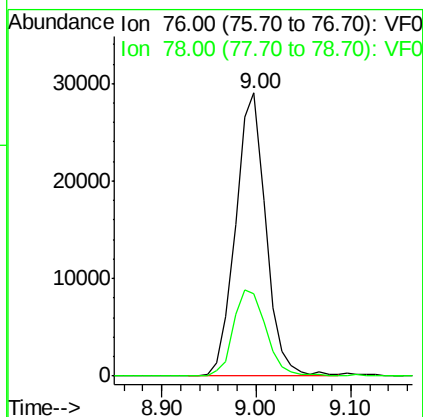
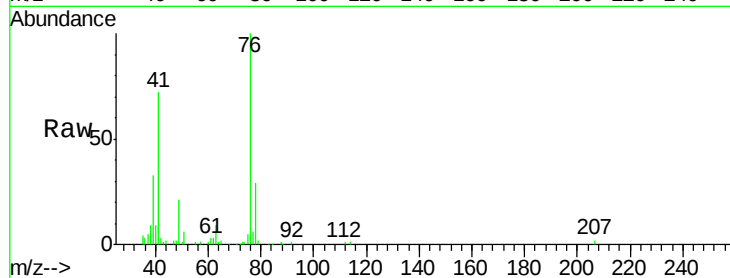
78 29.0 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 105.04 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059620.D

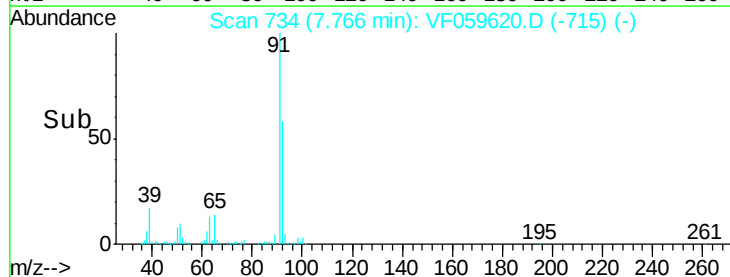
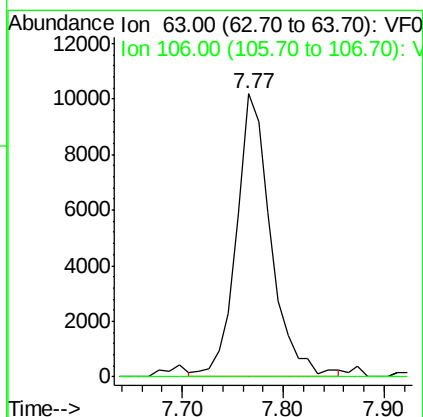
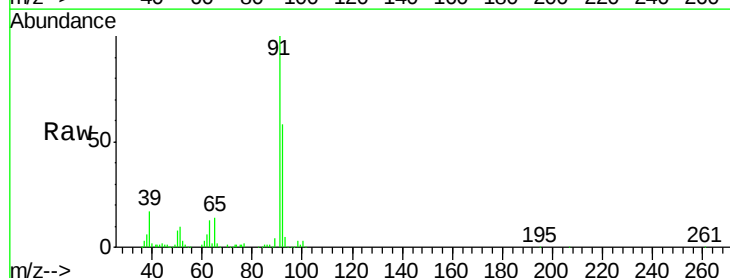
Acq: 23 Jul 2018 18:08

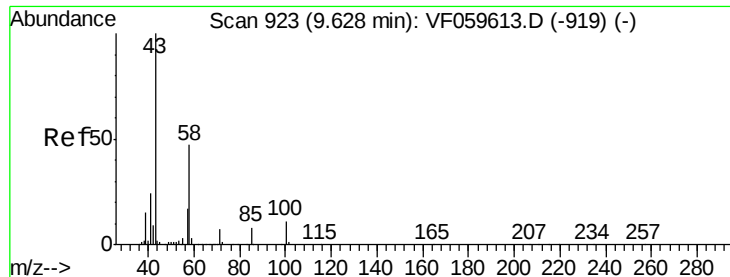
Tgt Ion: 63 Resp: 24249

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





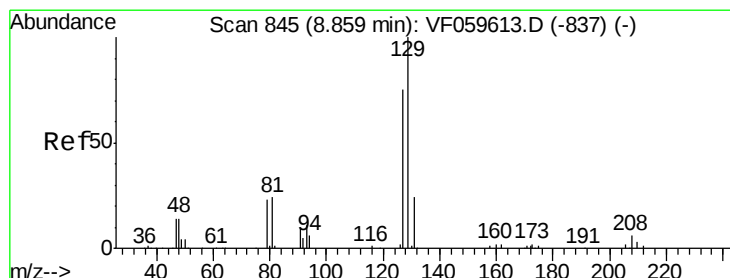
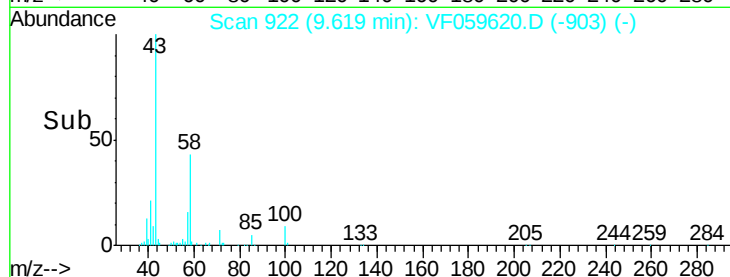
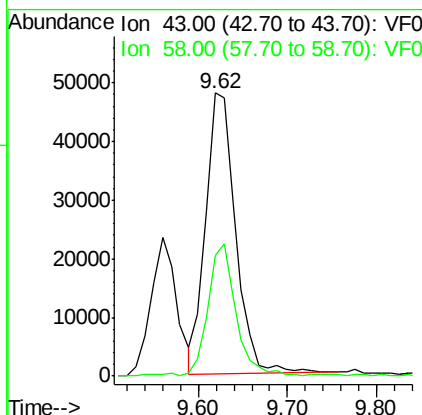
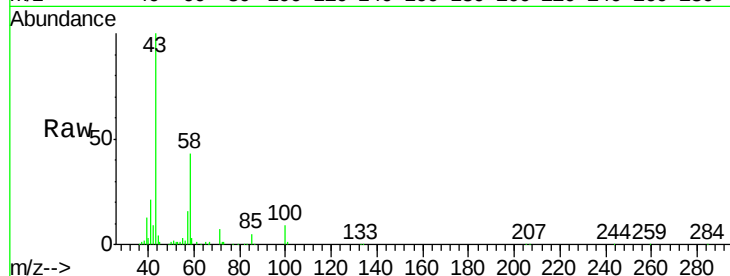
#59
2-Hexanone
Concen: 98.13 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.8	21.1	63.4

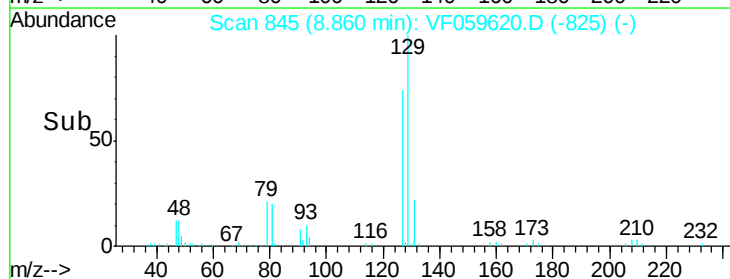
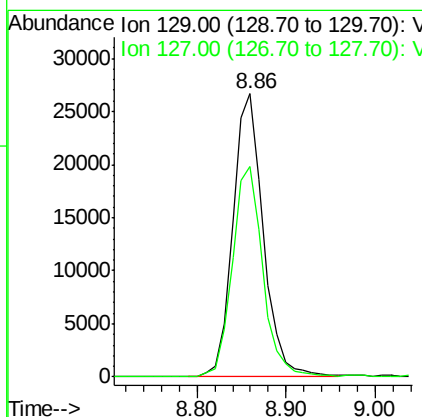
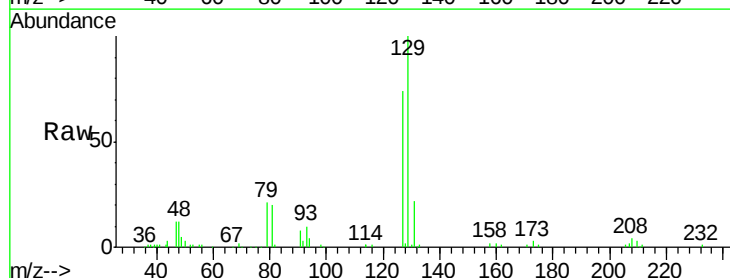
Manual Integrations
APPROVED

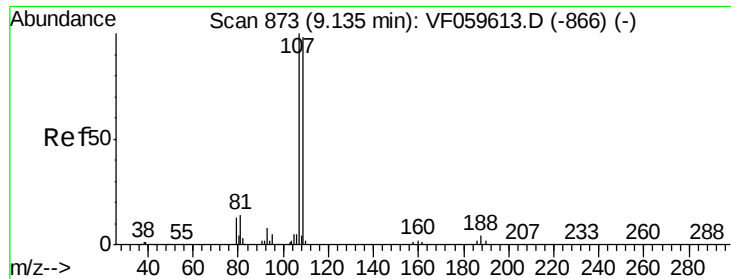
apatel
7/24/2018 1:14:41 PM



#60
Dibromochloromethane
Concen: 19.88 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.3	37.5	112.7





#61

1,2-Dibromoethane

Concen: 20.70 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion:107 Resp: 42515

Ion Ratio Lower Upper

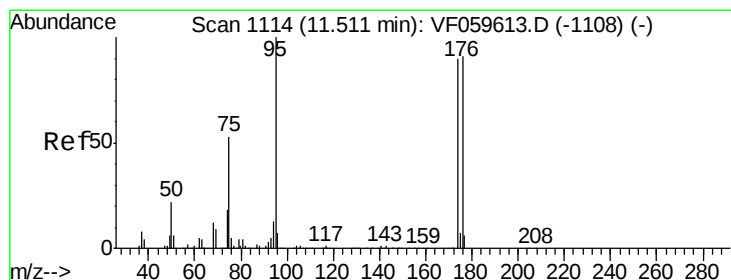
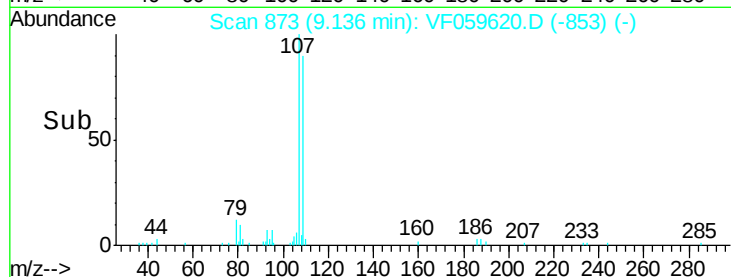
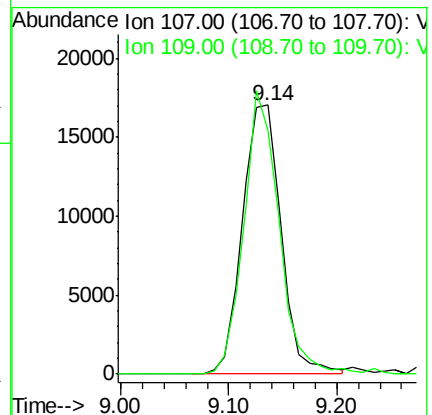
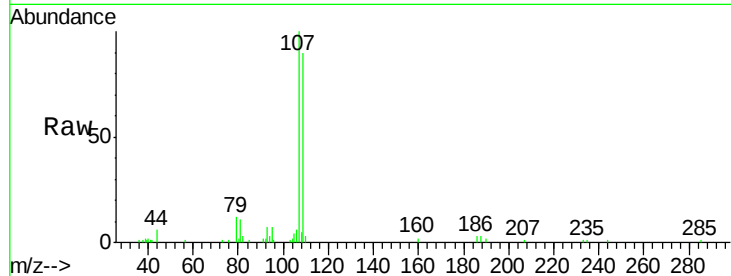
107 100

109 90.4 78.2 117.4

Manual Integrations
APPROVED

apatel

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#62

4-Bromofluorobenzene

Concen: 47.62 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

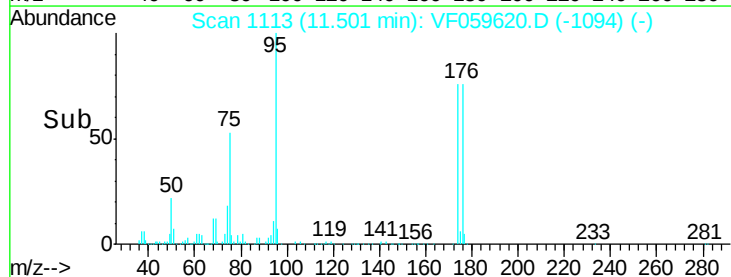
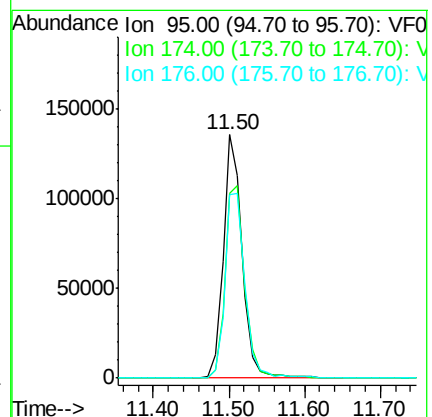
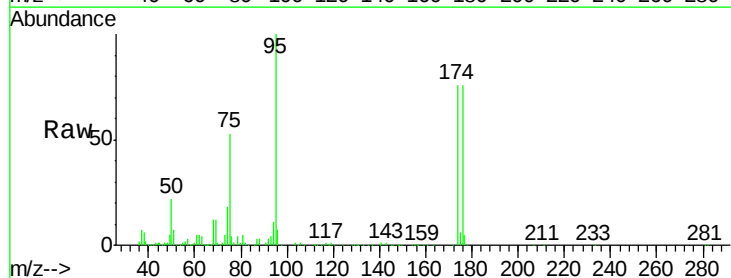
Tgt Ion: 95 Resp: 236056

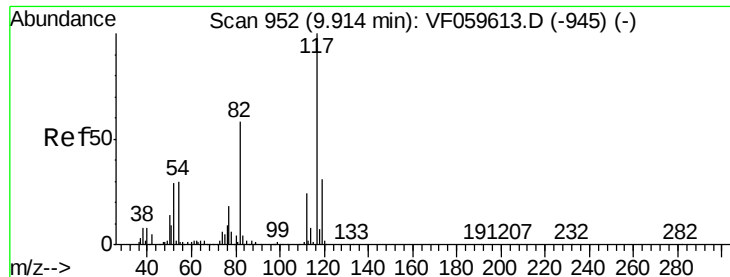
Ion Ratio Lower Upper

95 100

174 75.8 0.0 180.6

176 75.5 0.0 182.4





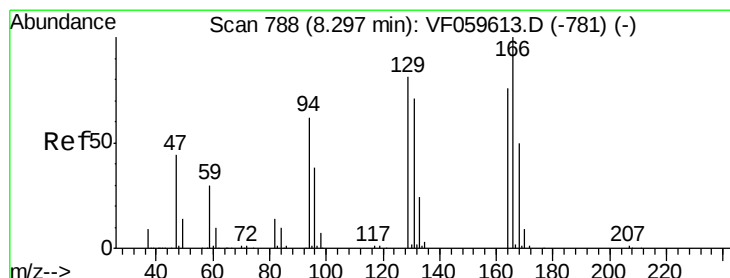
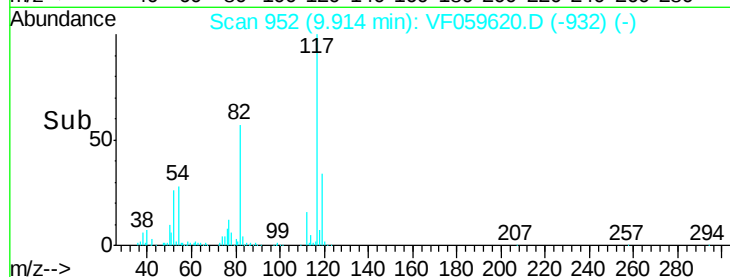
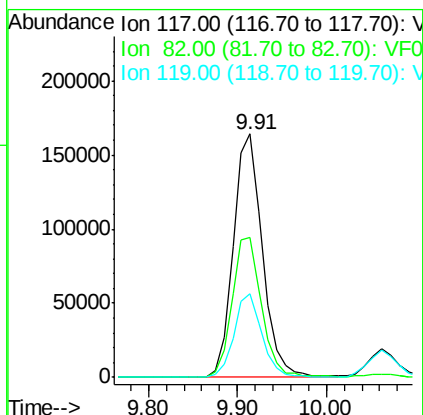
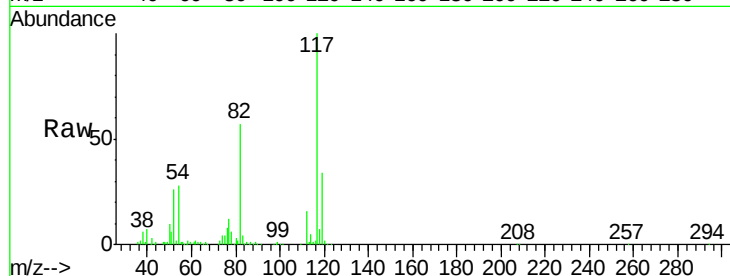
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.5	69.7
119	34.4	24.4	36.6

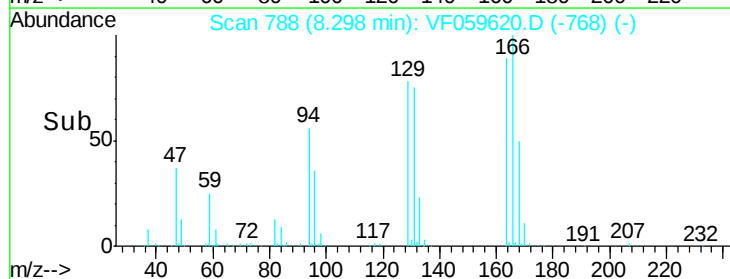
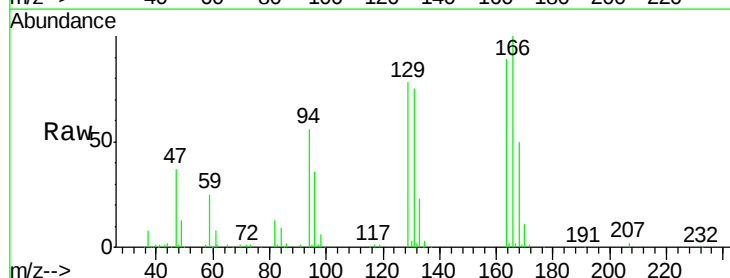
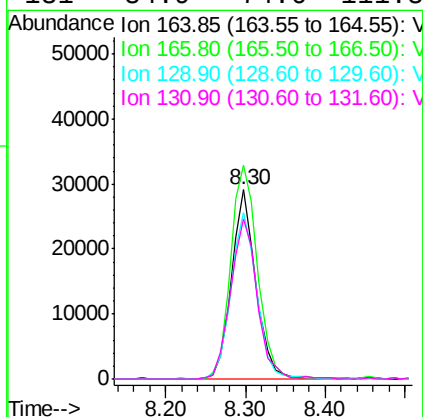
Manual Integrations
APPROVED

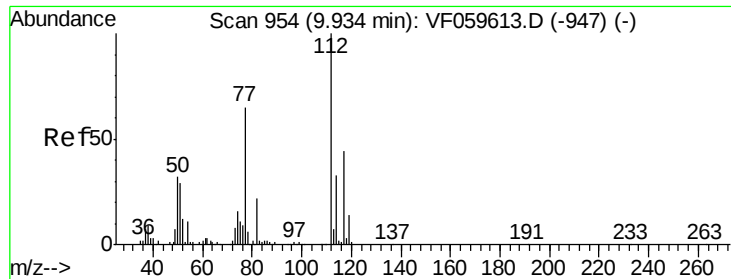
apatel
7/24/2018 1:14:41 PM



#64
Tetrachloroethene
Concen: 22.47 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	112.9	104.8	157.2
129	88.3	85.3	127.9
131	84.9	74.6	111.8





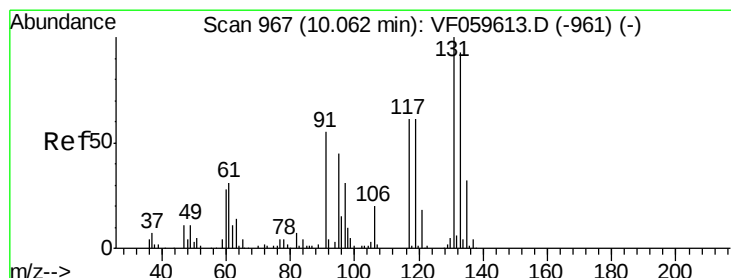
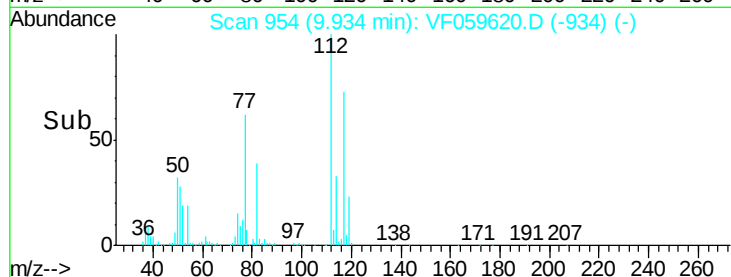
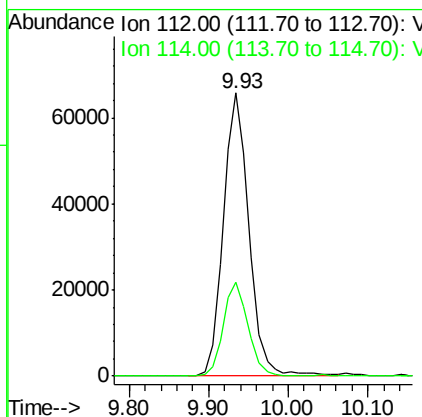
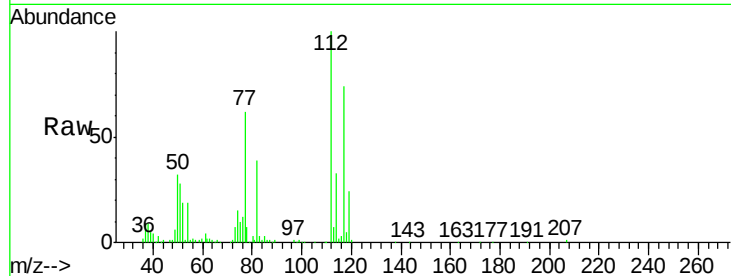
#65
Chlorobenzene
Concen: 21.56 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	26.8	40.2

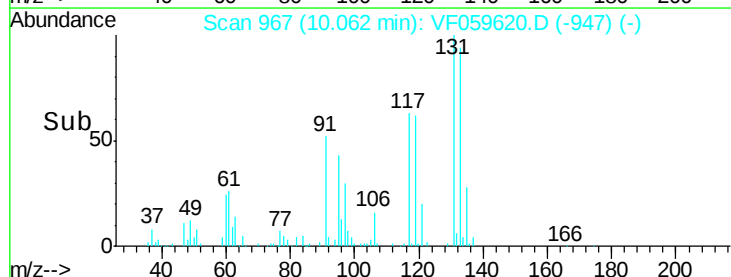
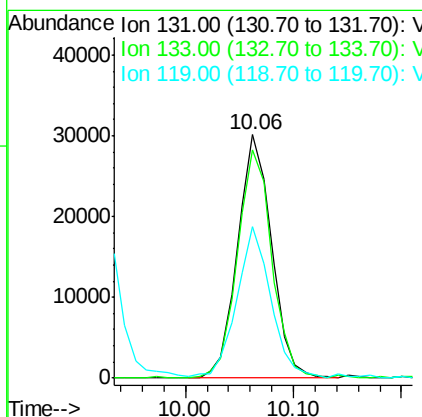
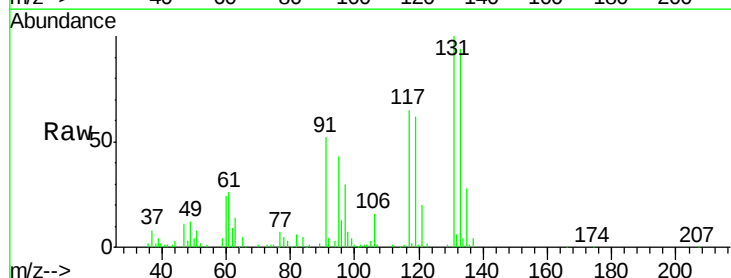
Manual Integrations
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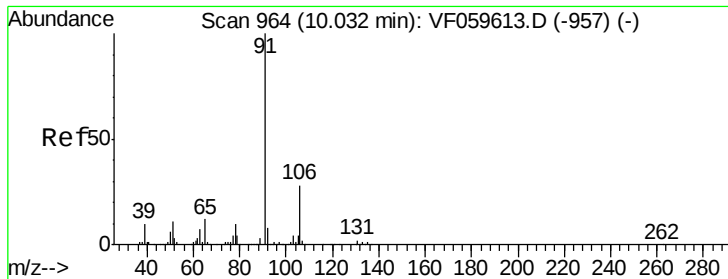
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.13 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	46.4	139.2
119	62.0	30.6	91.8





#67

Ethyl Benzene

Concen: 21.70 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 91 Resp: 272592

Ion Ratio Lower Upper

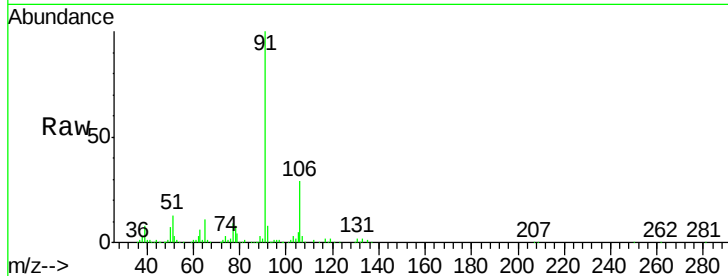
91 100

106 28.6 22.5 33.7

Manual Integrations
APPROVED

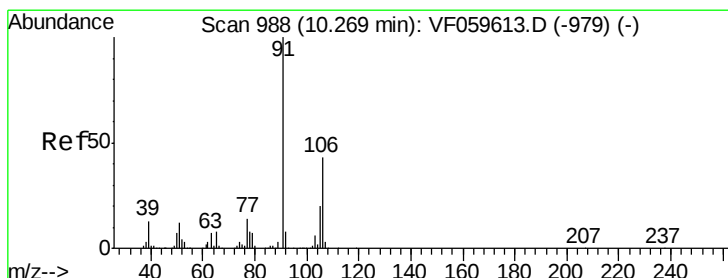
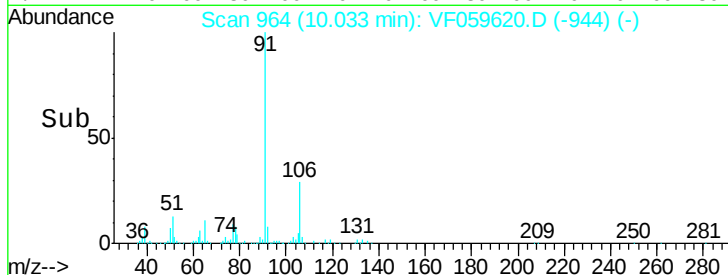
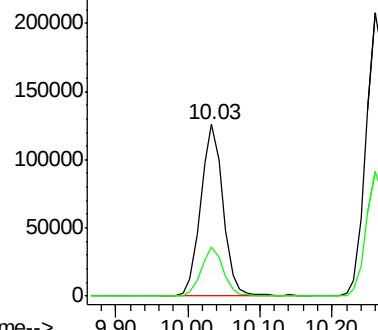
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.49 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059620.D

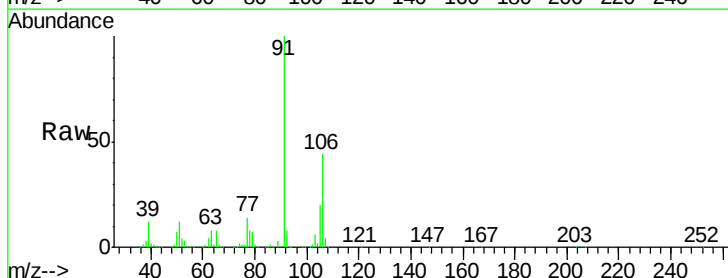
Acq: 23 Jul 2018 18:08

Tgt Ion: 106 Resp: 194164

Ion Ratio Lower Upper

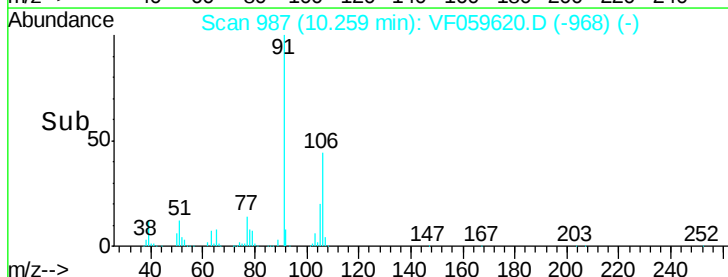
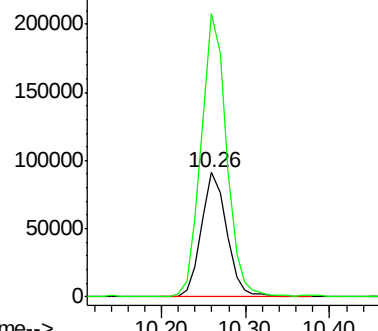
106 100

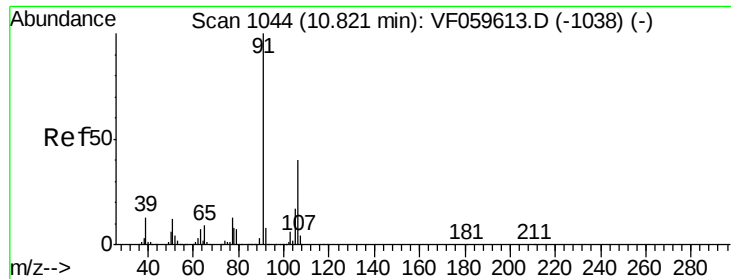
91 227.8 187.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





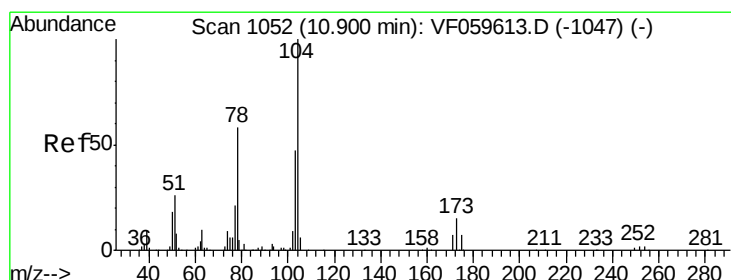
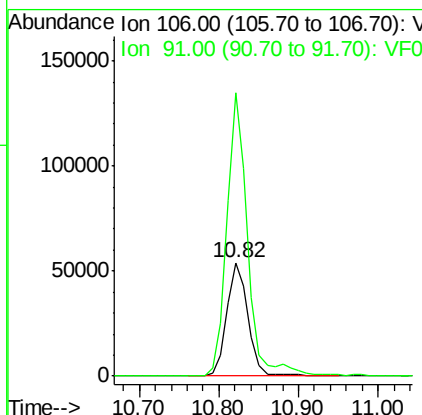
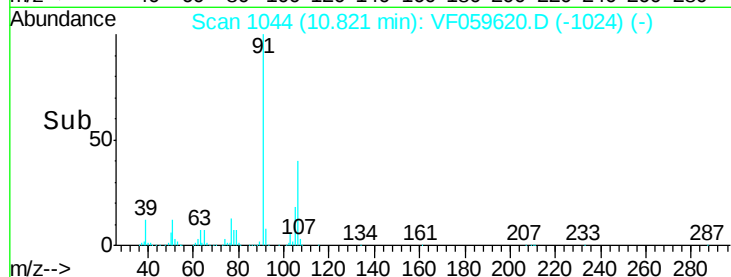
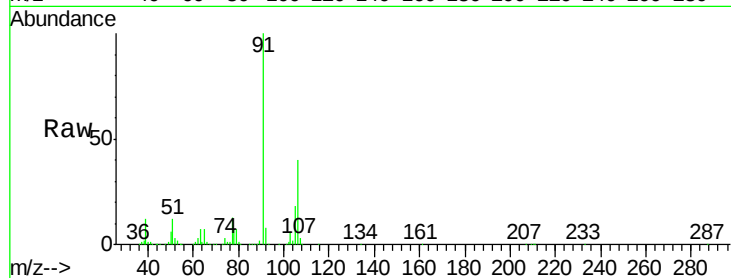
#69
o-Xylene
Concen: 21.99 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleID :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	249.6	125.8	377.3

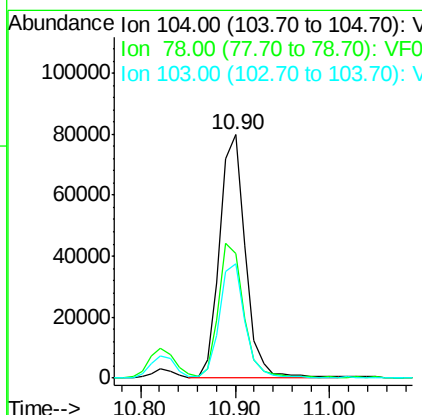
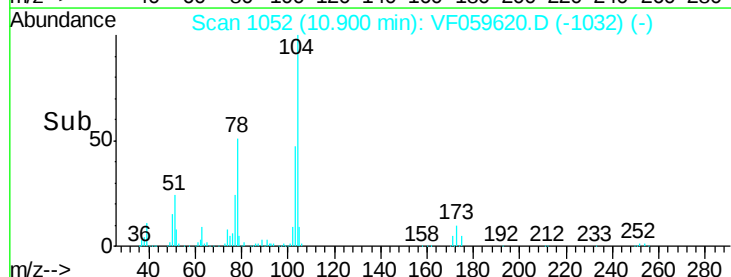
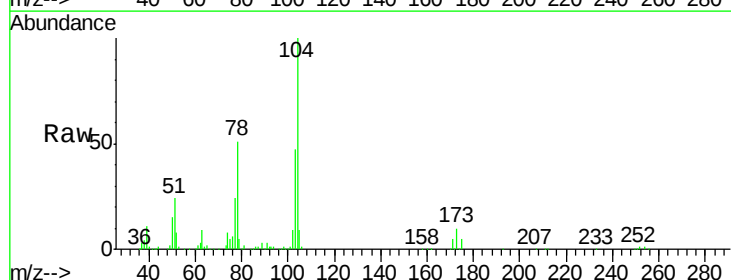
Manual Integrations
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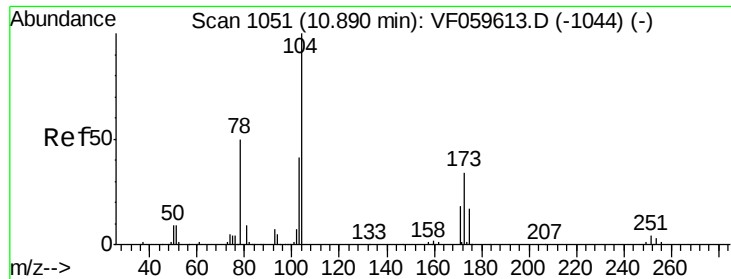
apatel
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#70
Styrene
Concen: 21.56 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.3	47.4	71.2
103	47.2	38.8	58.2





#71

Bromoform

Concen: 18.20 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion:173 Resp: 35288

Ion Ratio Lower Upper

173 100

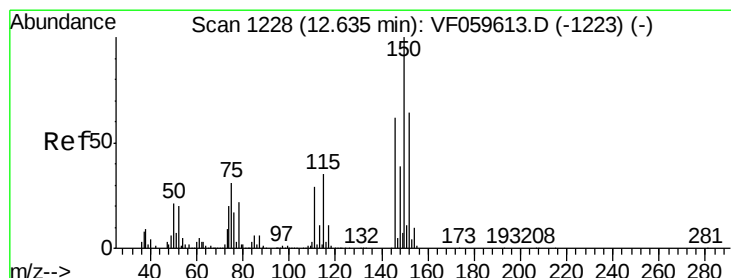
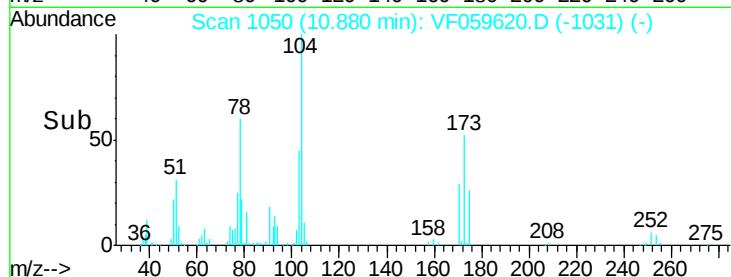
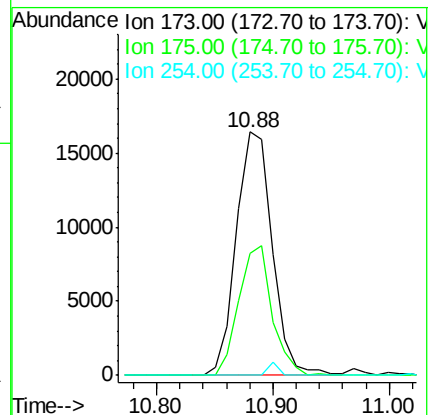
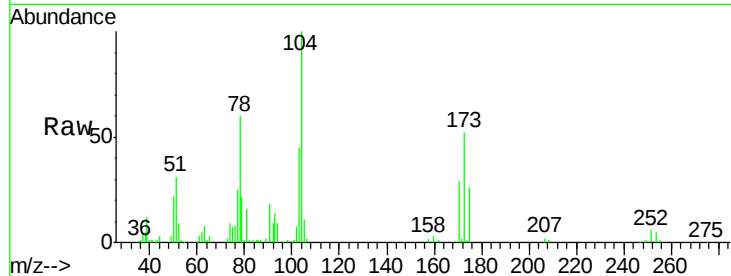
175 48.9 25.1 75.2

254 0.0 0.0 0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

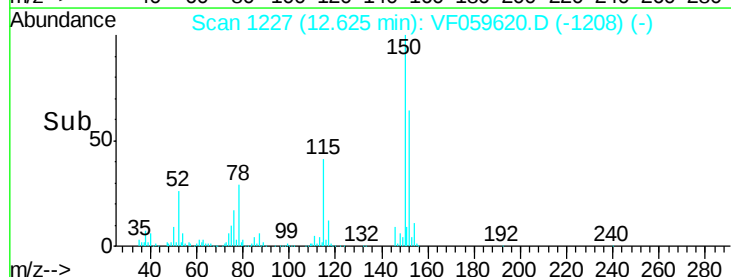
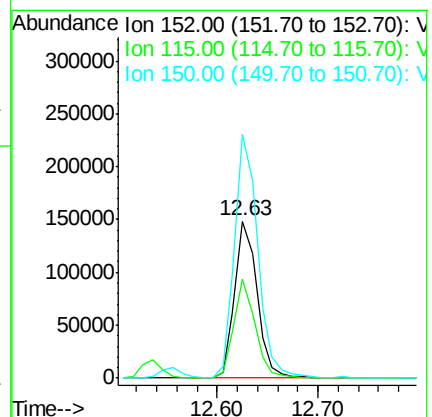
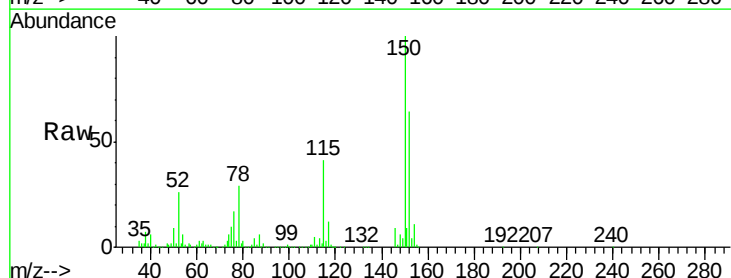
Tgt Ion:152 Resp: 230635

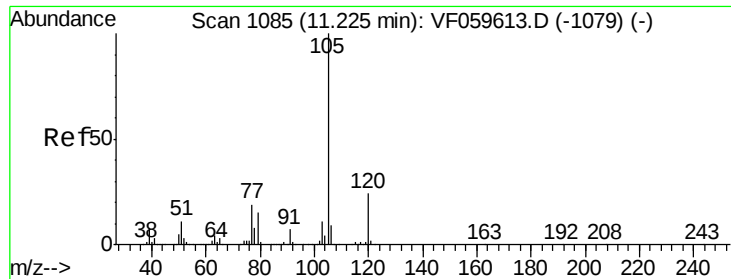
Ion Ratio Lower Upper

152 100

115 63.3 27.8 83.4

150 155.3 0.0 314.6





#73

Isopropylbenzene

Concen: 21.48 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion:105 Resp: 314603

Ion Ratio Lower Upper

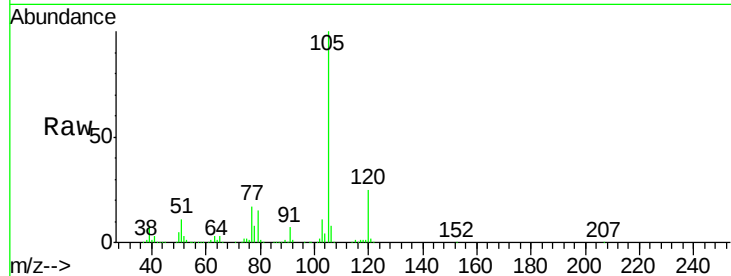
105 100

120 25.1 11.8 35.4

Manual Integrations
APPROVED

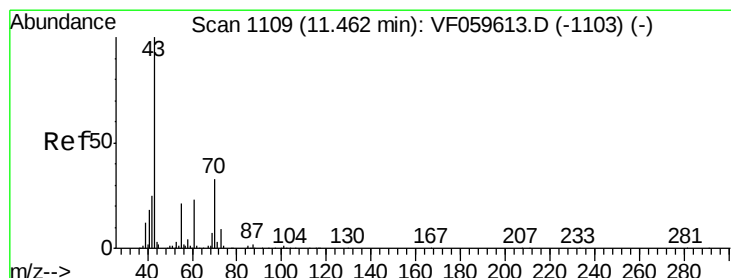
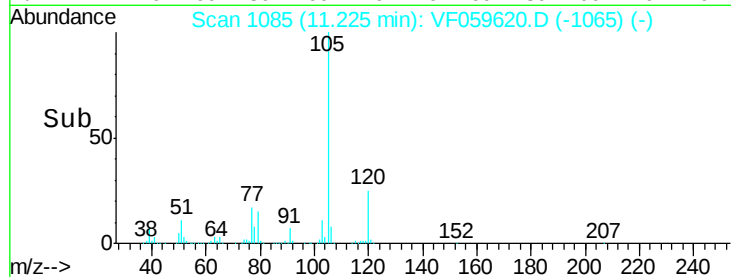
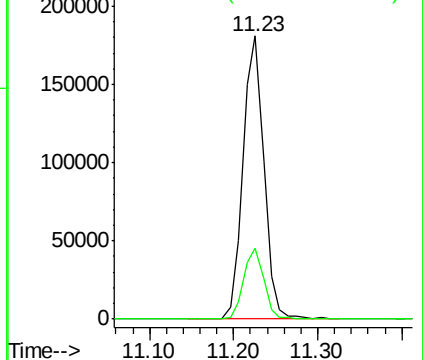
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.84 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion: 43 Resp: 68641

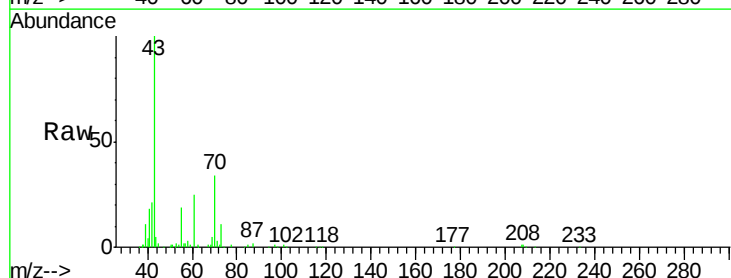
Ion Ratio Lower Upper

43 100

70 34.4 26.6 40.0

55 19.0 17.0 25.6

61 25.1 18.3 27.5

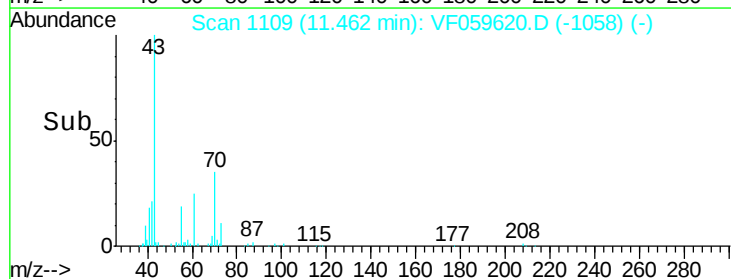
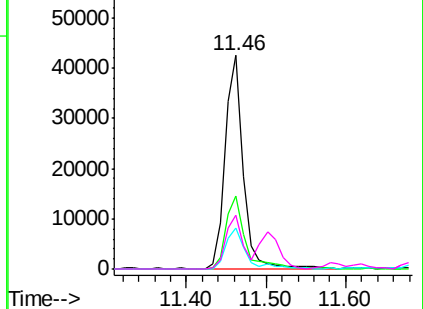


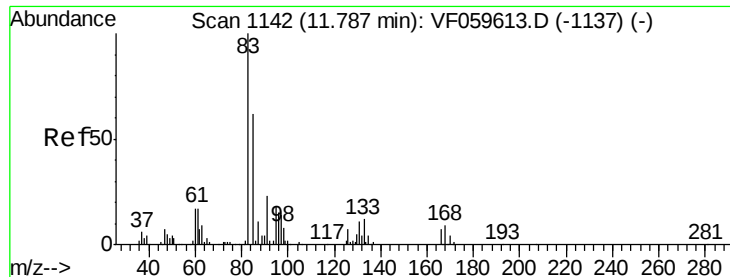
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.28 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

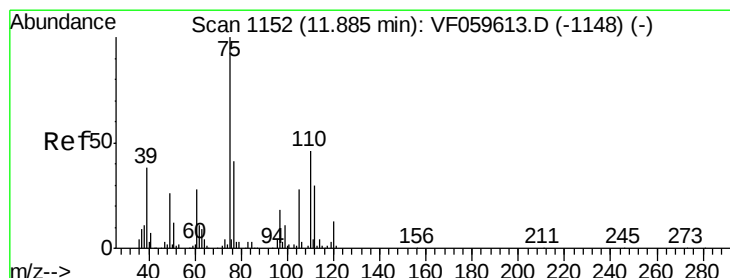
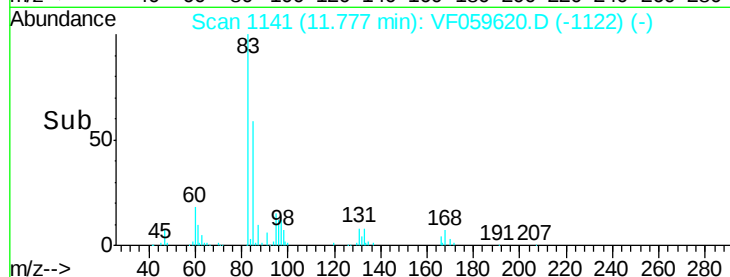
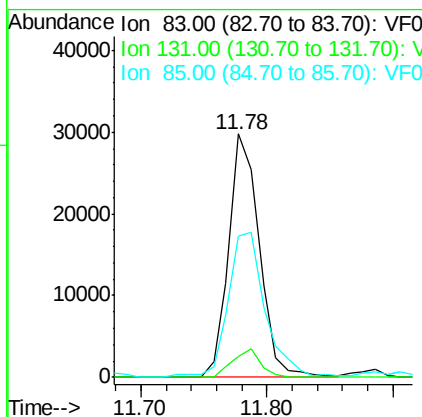
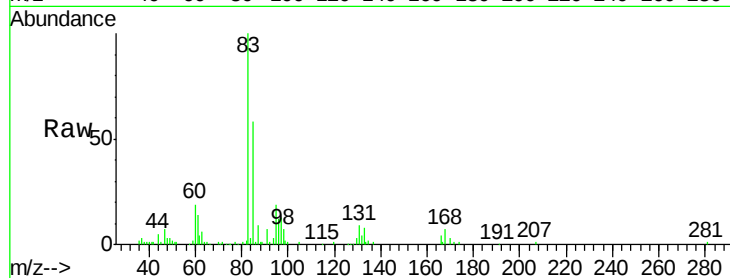
ClientSampleId :

VF0723SBS01

Tot Ion:	83	Resp:	49864
Ion Ratio	Lower	Upper	
83	100		
131	8.8	5.7	17.0
85	58.2	31.1	93.3

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#76

1,2,3-Trichloropropane

Concen: 20.98 ug/l

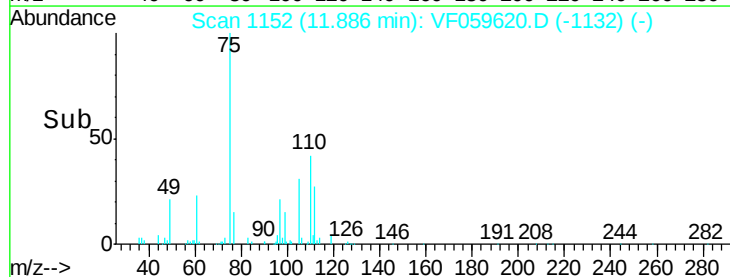
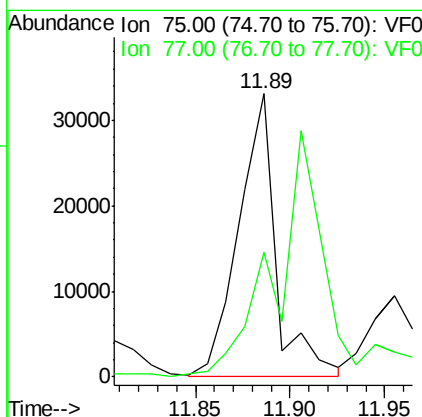
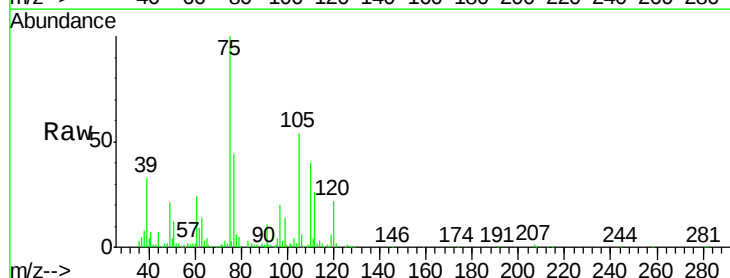
RT: 11.89 min Scan# 1152

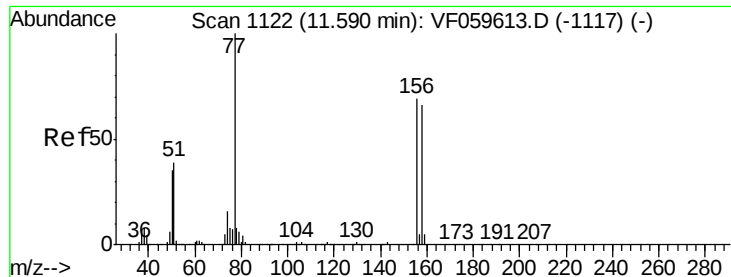
Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion:	75	Resp:	45075
Ion Ratio	Lower	Upper	
75	100		
77	44.1	20.9	62.8





#77

Bromobenzene

Concen: 20.41 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

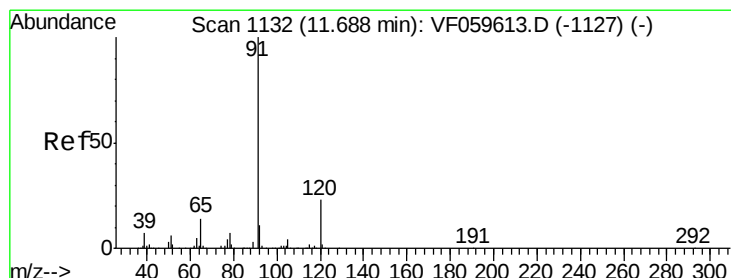
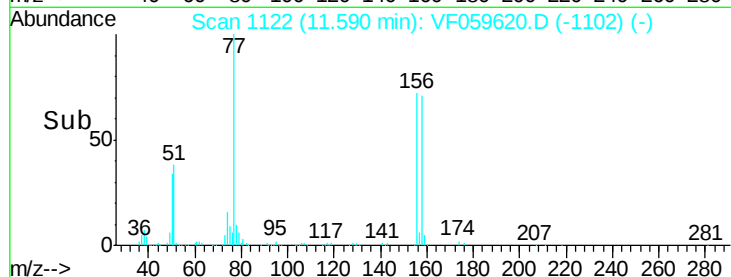
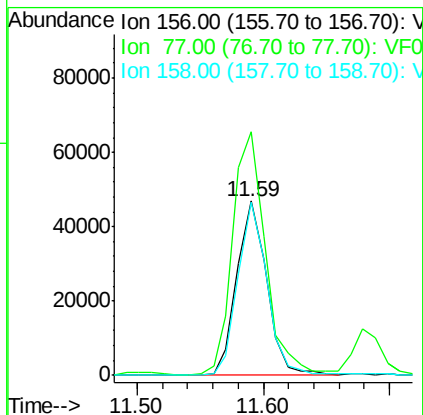
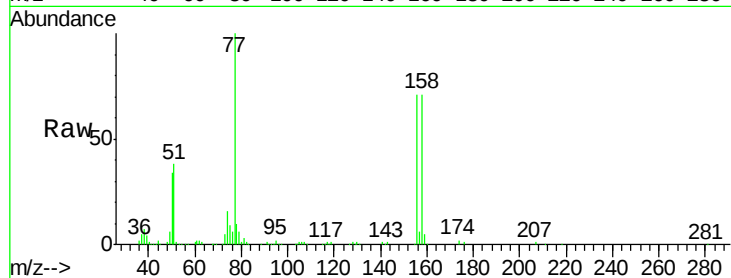
VF0723SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		77445		
77	140.0		72.1	216.3	
158	99.3		47.3	141.9	

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#78

n-propylbenzene

Concen: 21.67 ug/l

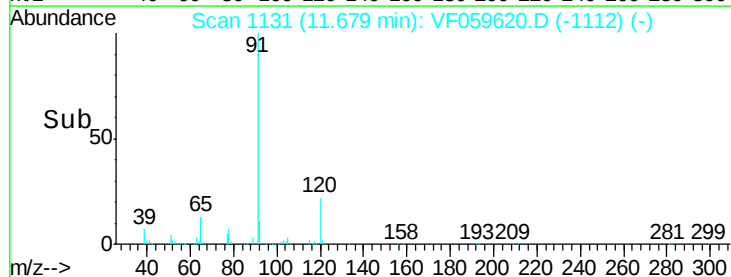
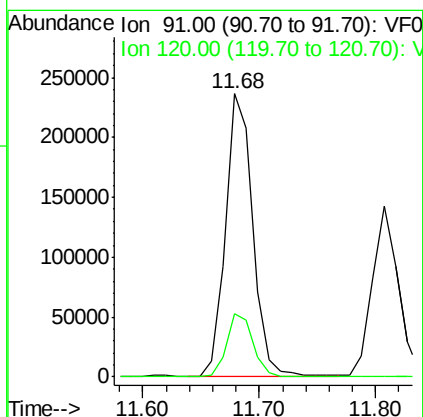
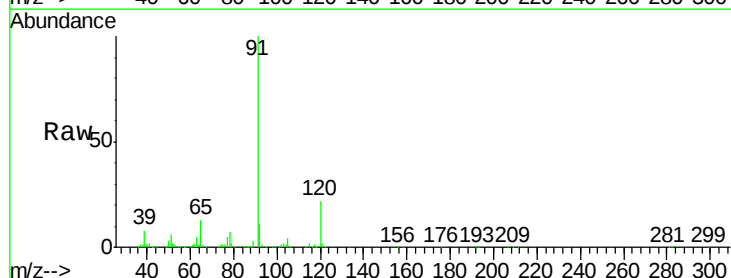
RT: 11.68 min Scan# 1131

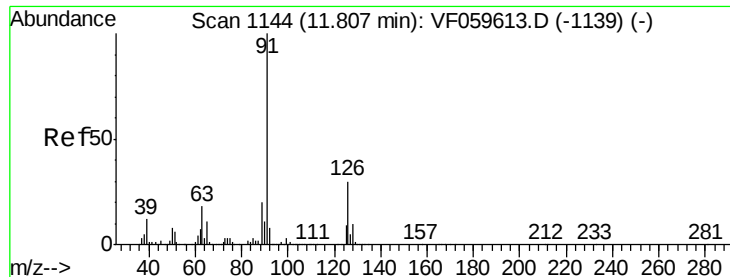
Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		380454		
120	22.2		11.6	34.7	





#79

2-Chlorotoluene

Concen: 20.76 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 91 Resp: 218455

Ion Ratio Lower Upper

91 100

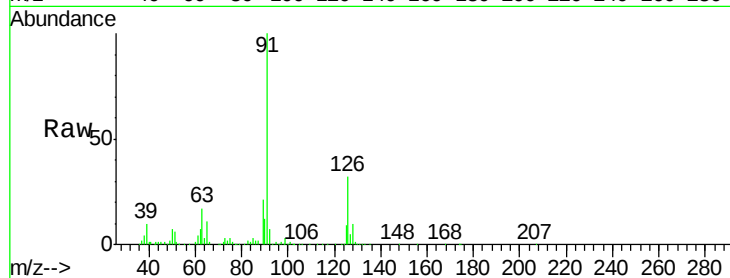
126 31.6 15.1 45.3

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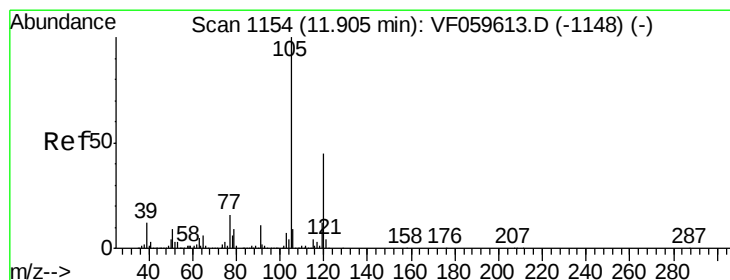
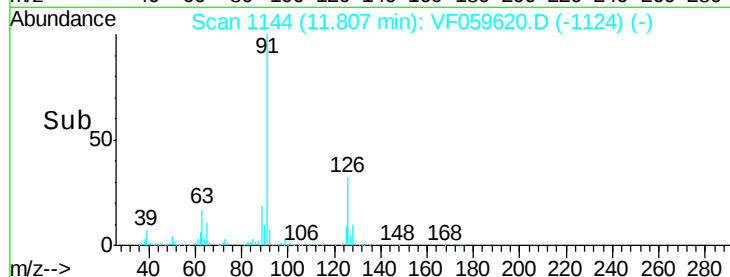
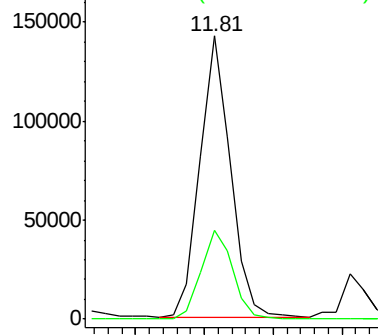
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.84 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059620.D

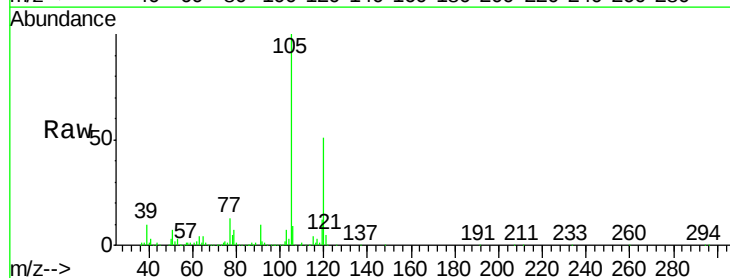
Acq: 23 Jul 2018 18:08

Tgt Ion:105 Resp: 273220

Ion Ratio Lower Upper

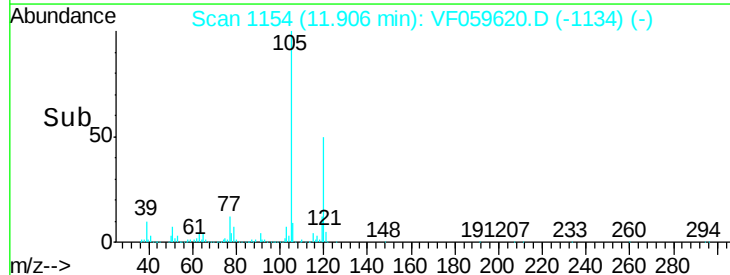
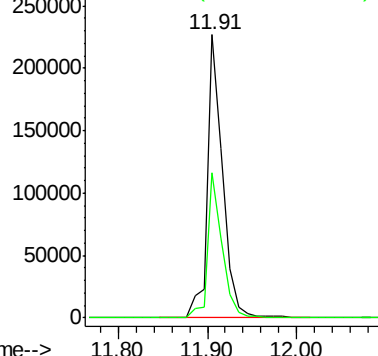
105 100

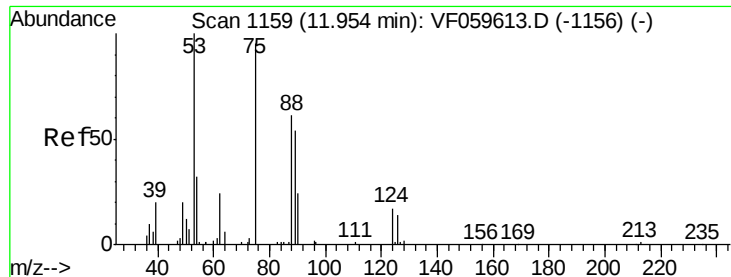
120 51.3 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.20 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion: 75 Resp: 17210

Ion Ratio Lower Upper

75 100

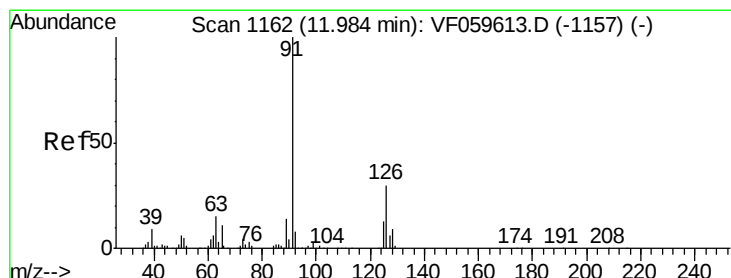
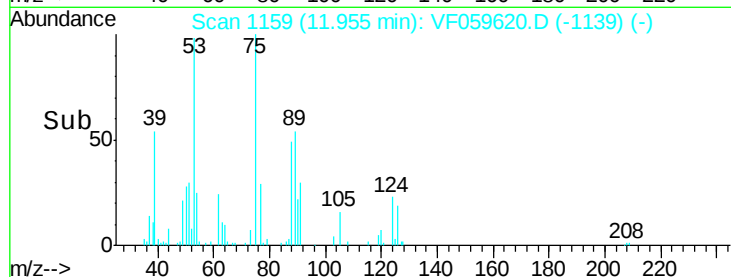
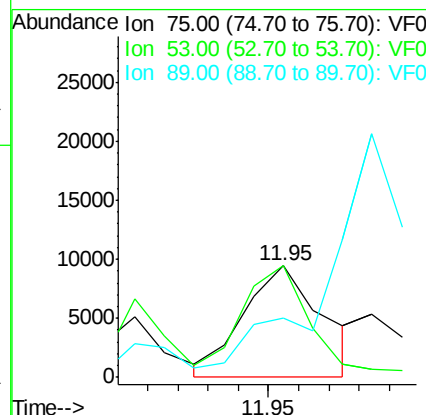
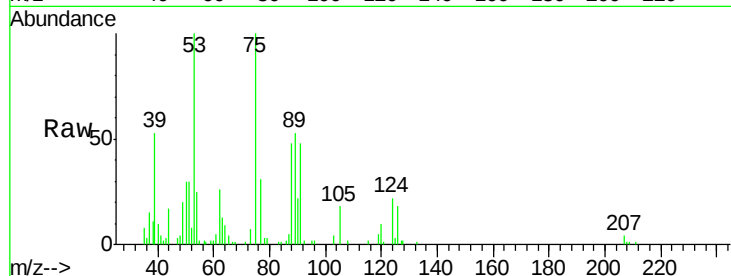
53 100.5 86.4 129.6

89 53.7 46.8 70.2

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#82

4-Chlorotoluene

Concen: 20.94 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059620.D

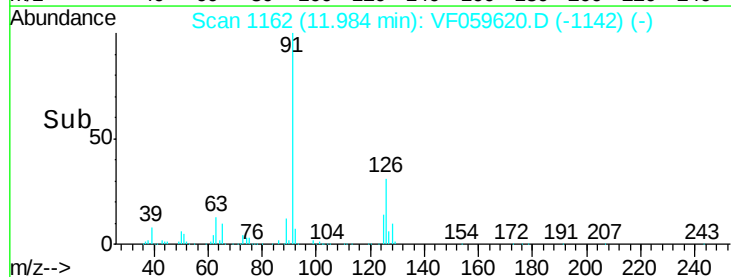
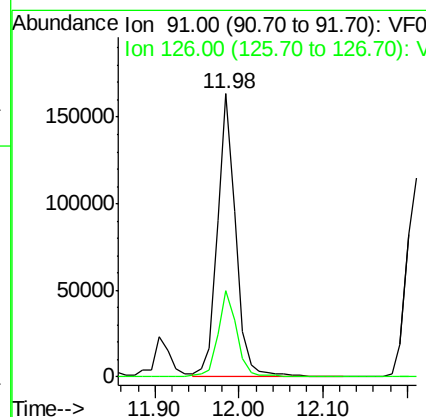
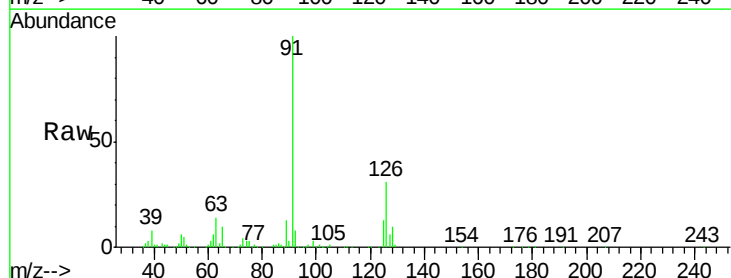
Acq: 23 Jul 2018 18:08

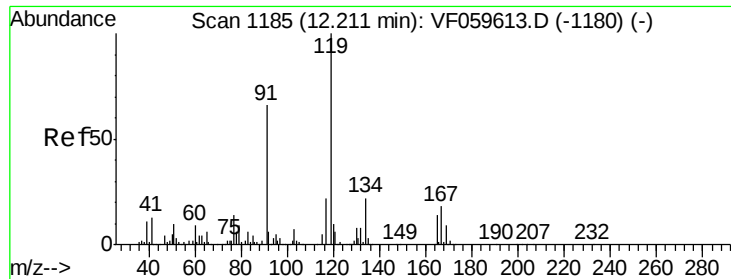
Tgt Ion: 91 Resp: 245010

Ion Ratio Lower Upper

91 100

126 30.5 14.7 44.1





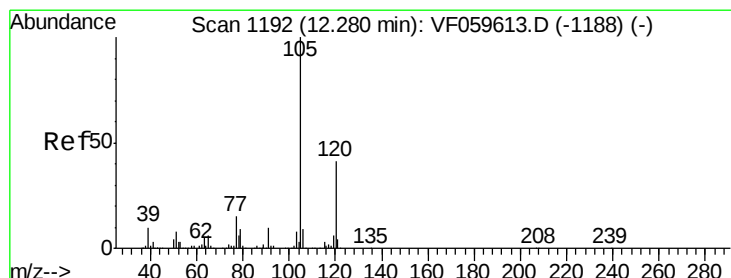
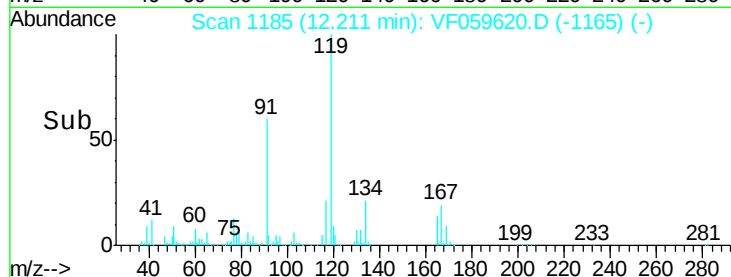
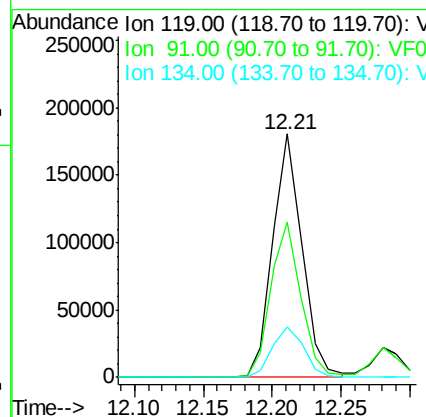
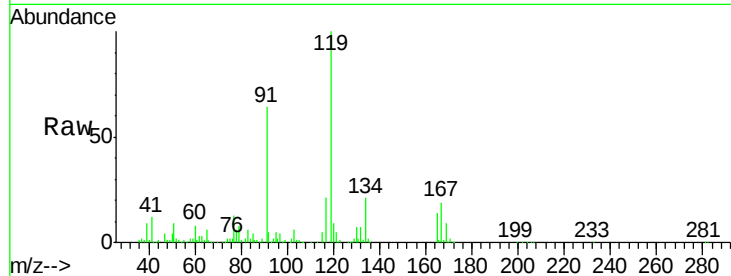
#83
 tert-Butylbenzene
 Concen: 20.65 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	33.2	99.6
134	20.7	10.9	32.6

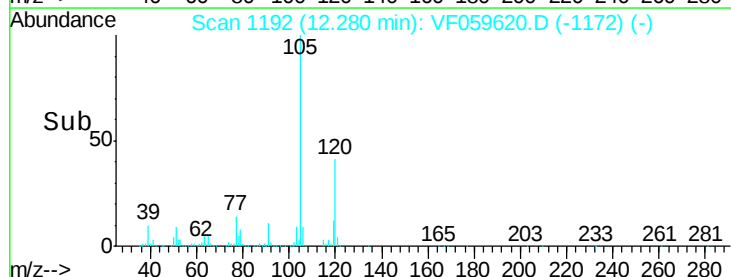
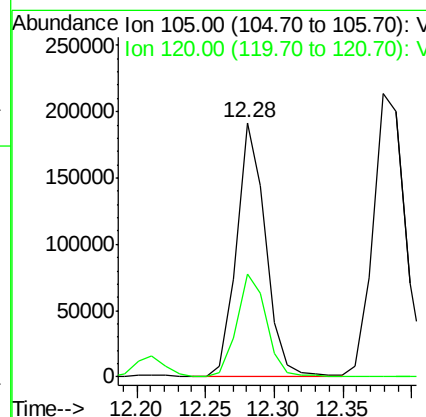
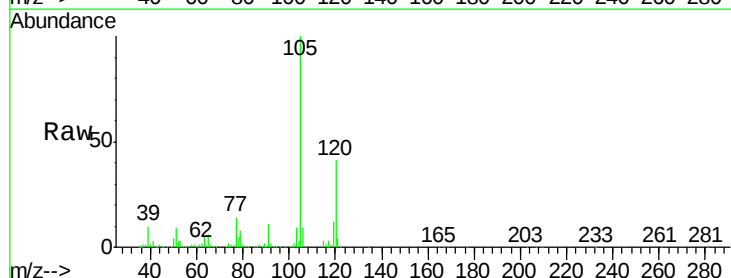
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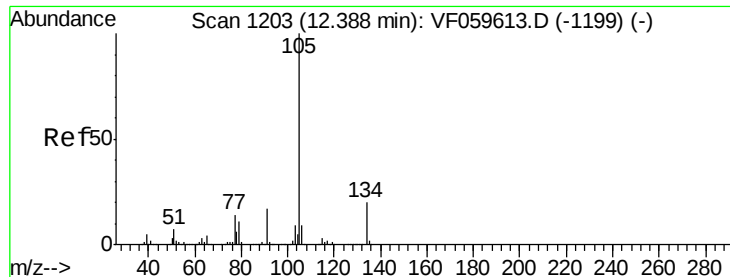
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.11 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.7	20.4	61.3





#85

sec-Butylbenzene

Concen: 20.74 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tot Ion:105 Resp: 347664

Ion Ratio Lower Upper

105 100

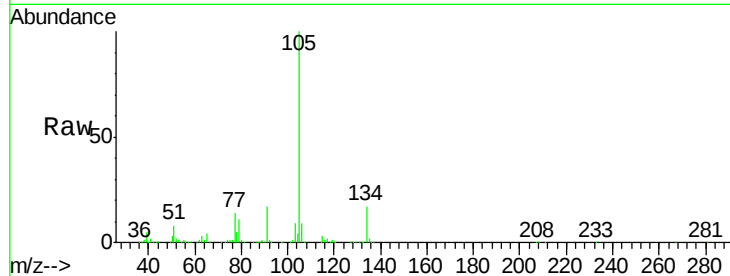
134 17.0 9.9 29.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

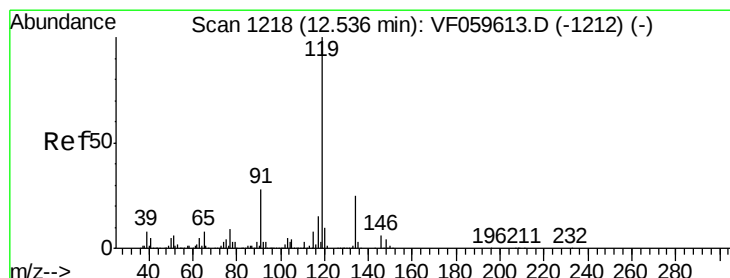
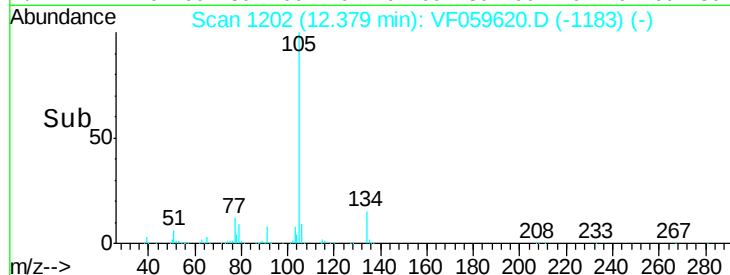
0

12.30

12.40

12.50

Time-->



#86

p-Isopropyltoluene

Concen: 20.66 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

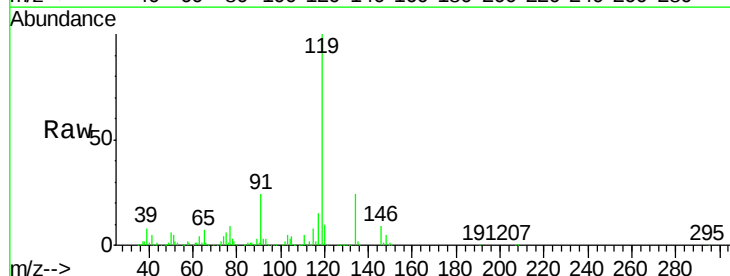
Tgt Ion:119 Resp: 304771

Ion Ratio Lower Upper

119 100

134 23.7 12.4 37.2

91 24.5 13.9 41.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

300000

250000

200000

150000

100000

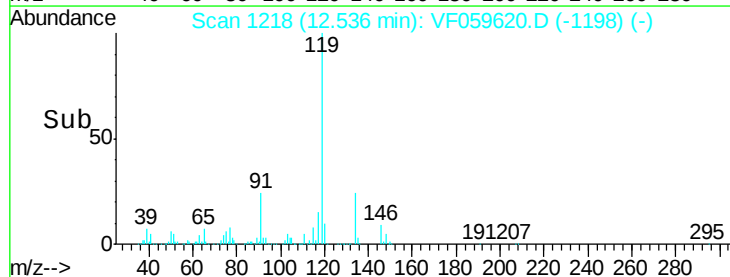
50000

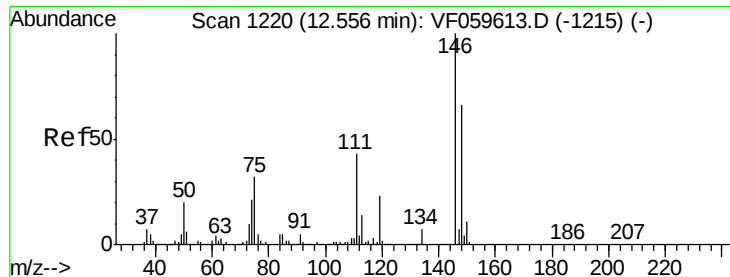
0

12.50

12.60

Time-->





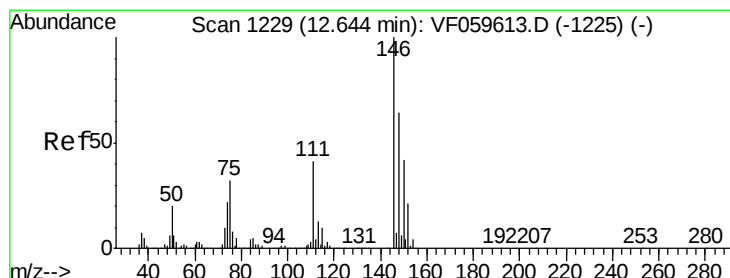
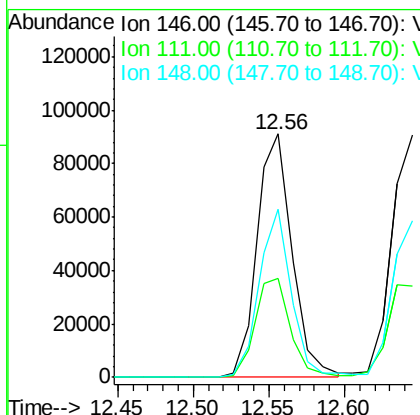
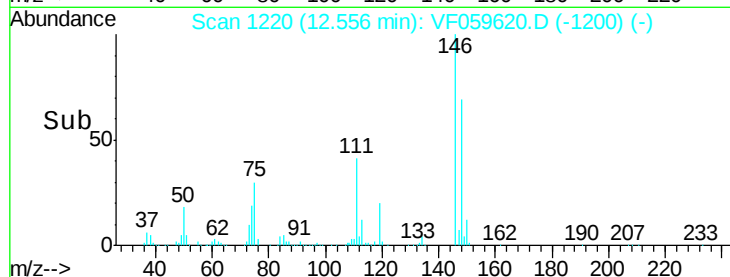
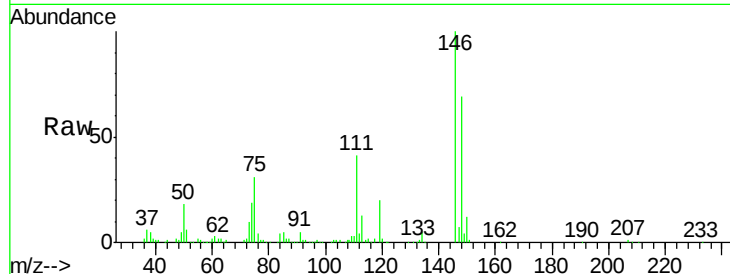
#87
 1,3-Dichlorobenzene
 Concen: 20.25 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.6	64.8
148	69.1	33.1	99.3

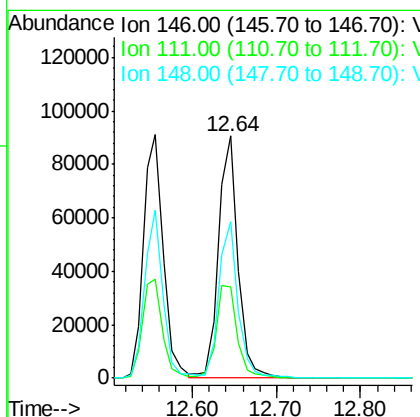
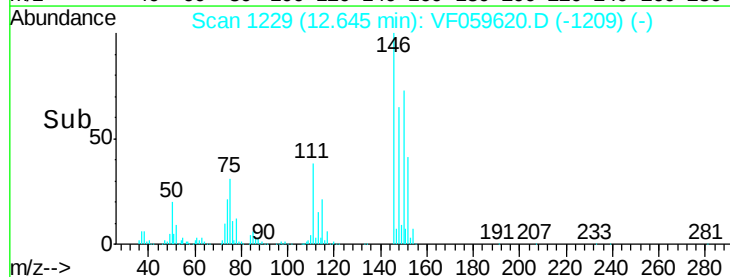
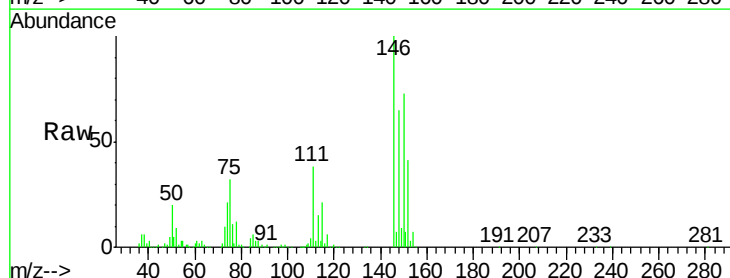
Manual Integrations
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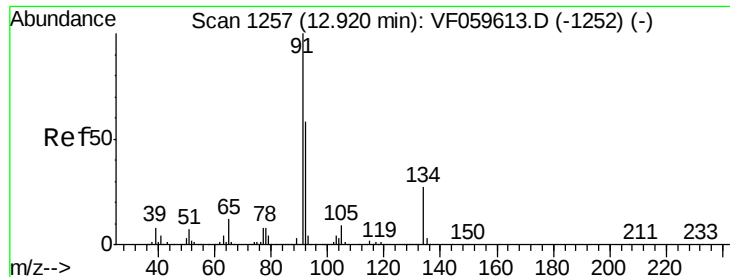
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#88
 1,4-Dichlorobenzene
 Concen: 21.32 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.5	61.5
148	64.5	32.3	96.8





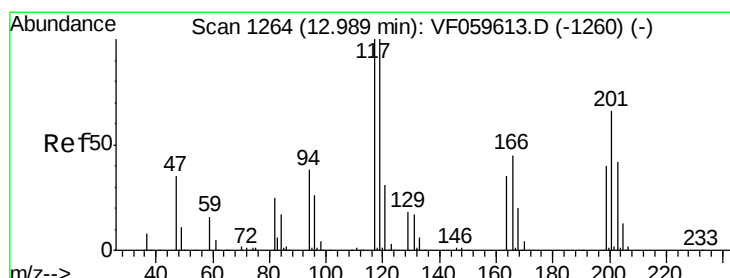
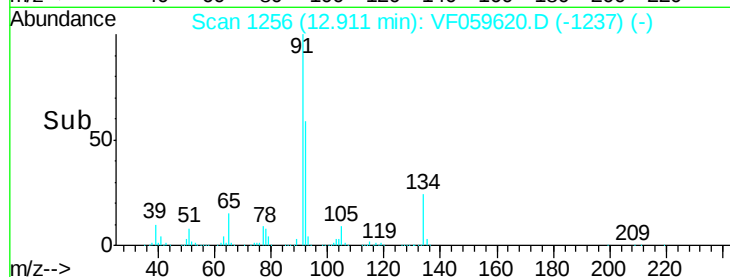
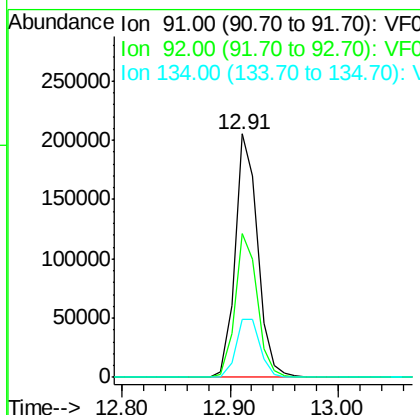
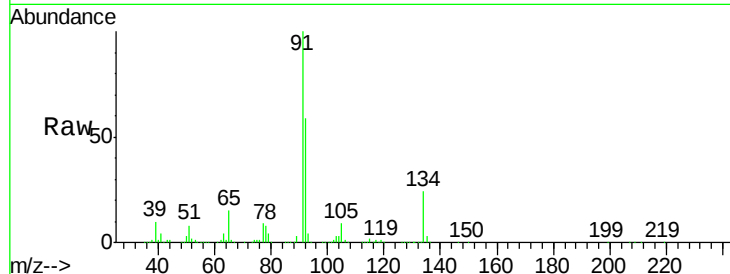
#89
n-Butylbenzene
Concen: 21.13 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.8	28.8	86.4
134	23.8	13.5	40.4

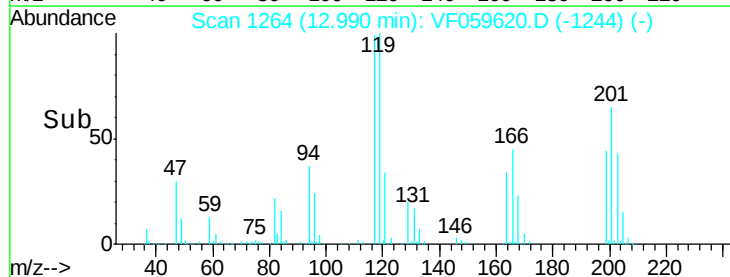
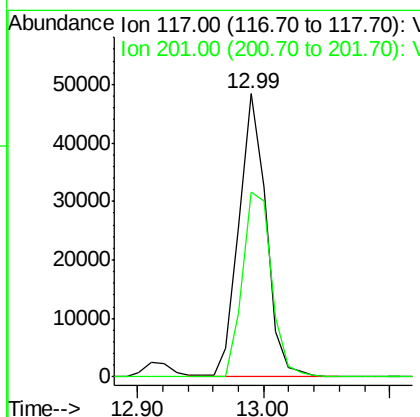
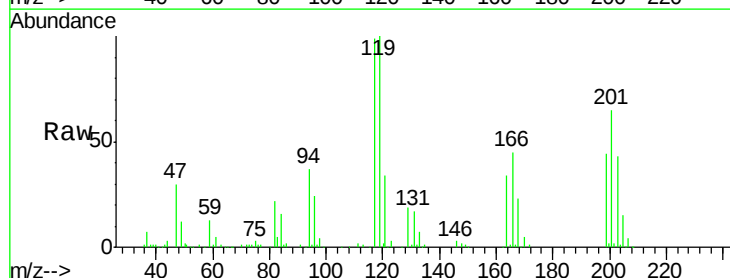
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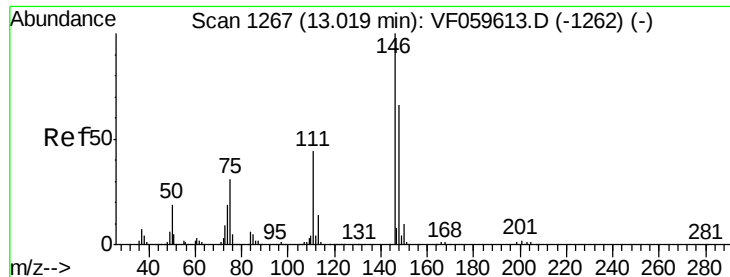
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#90
Hexachloroethane
Concen: 19.86 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.7	33.6	100.6





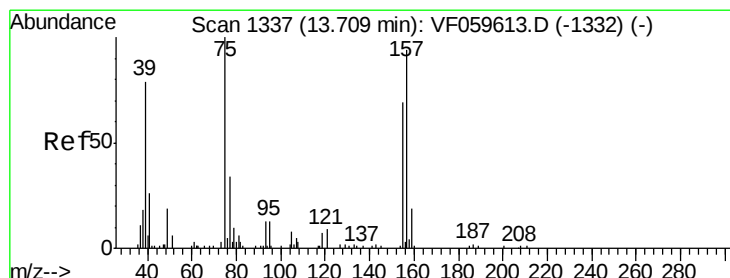
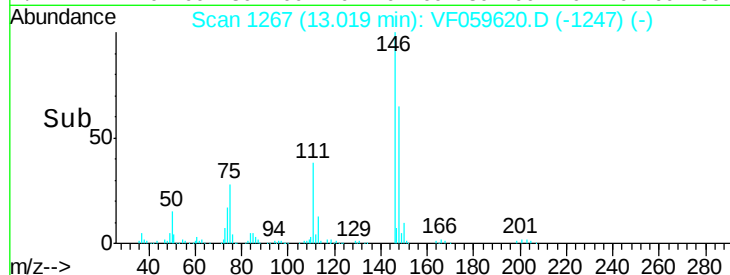
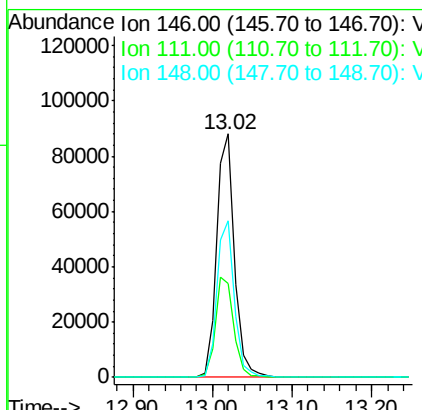
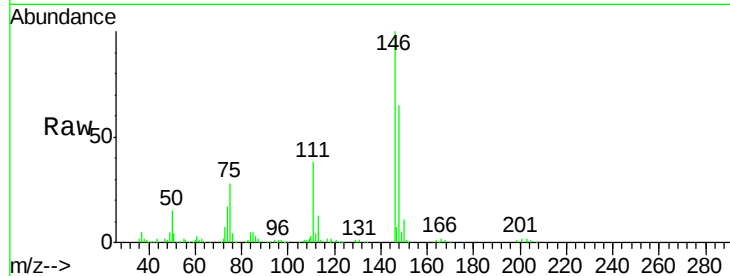
#91
 1,2-Dichlorobenzene
 Concen: 20.52 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.8	65.3
148	64.6	32.9	98.7

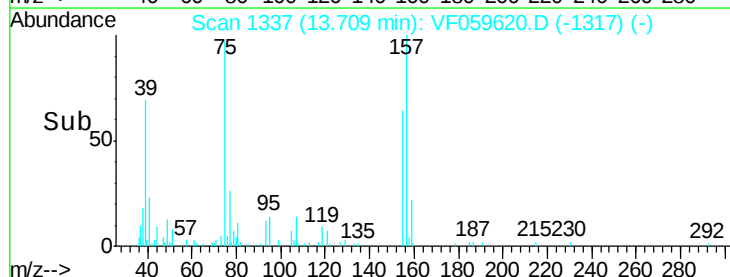
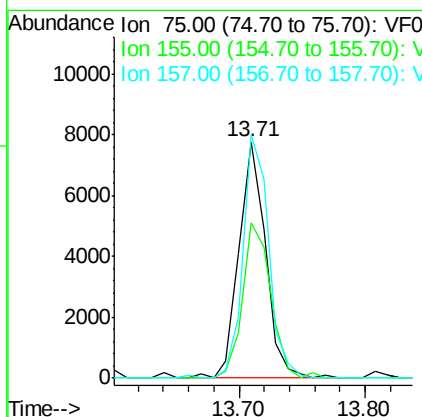
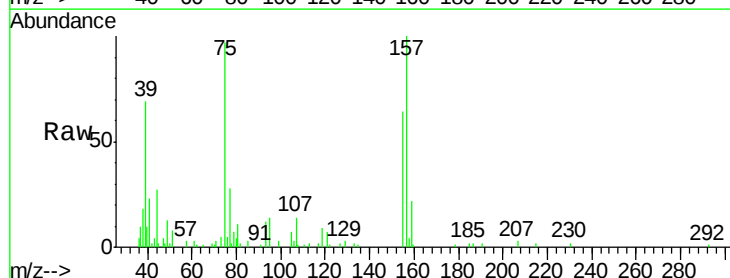
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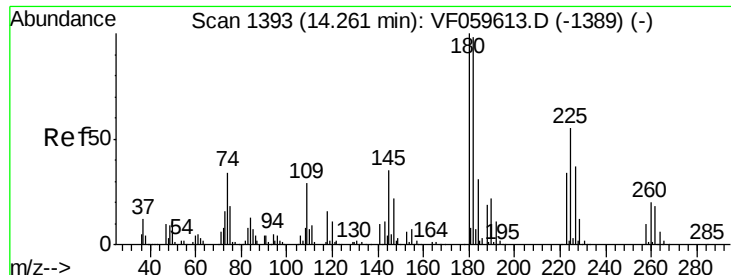
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.16 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.7	34.6	103.8
157	106.9	47.0	141.0





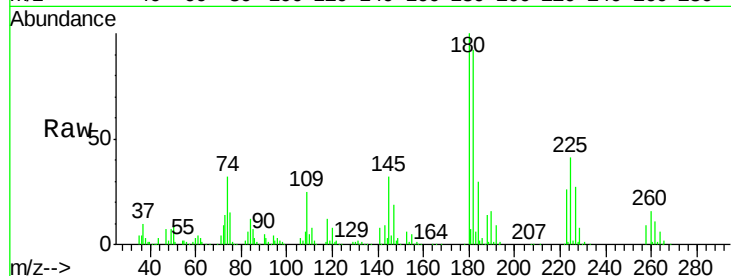
#93
 1,2,4-Trichlorobenzene
 Concen: 21.28 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

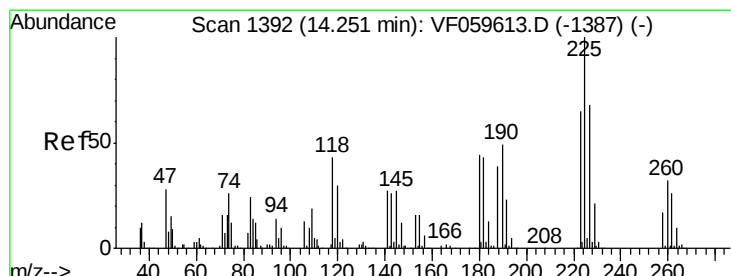
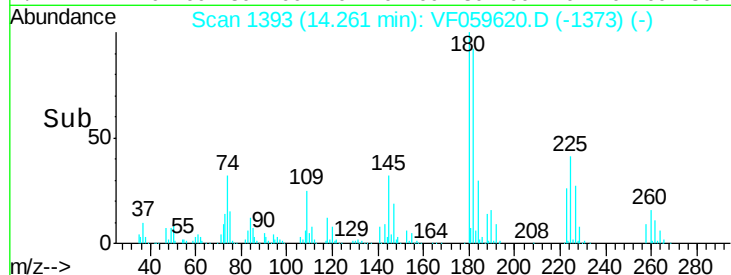
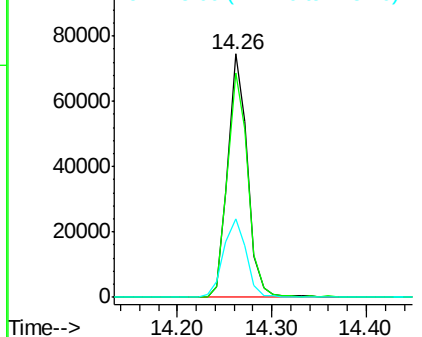
Tot Ion	Ratio	Resp	Lower	Upper
180	100	107909		
182	92.4	48.8	146.3	
145	32.5	17.5	52.6	

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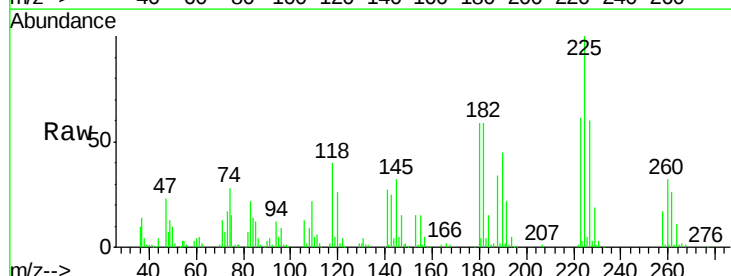


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

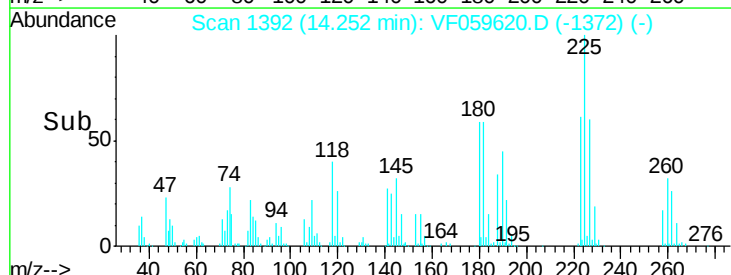
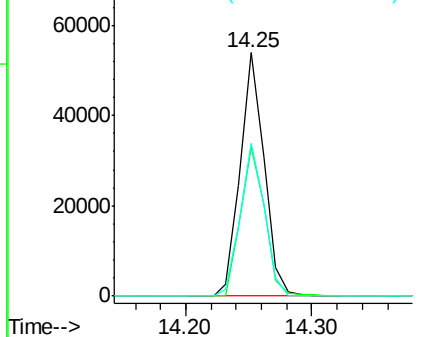


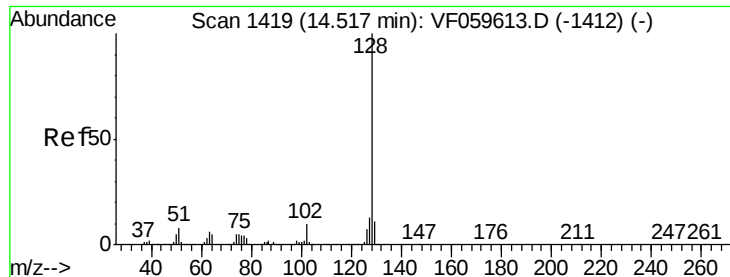
#94
 Hexachlorobutadiene
 Concen: 20.10 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70929		
223	61.4	32.6	98.0	
227	62.6	33.9	101.6	



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: 20.05 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

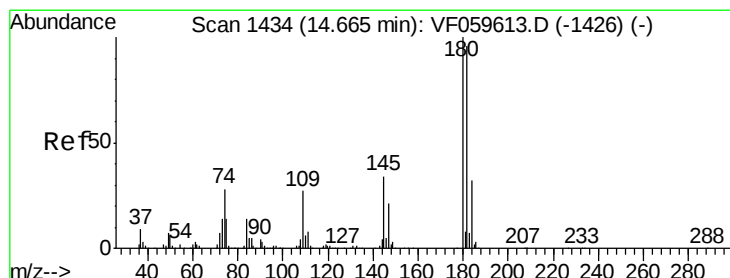
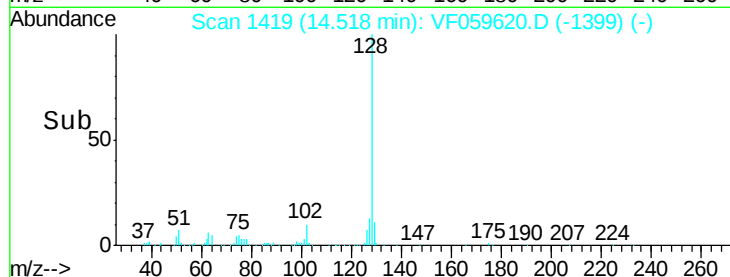
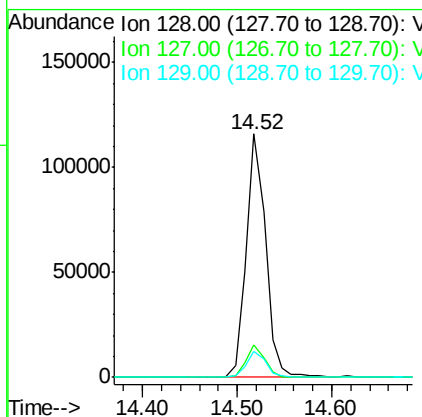
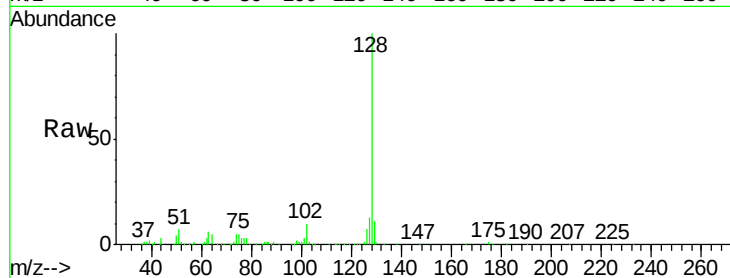
ClientSampleId :

VF0723SBS01

Tot Ion:	128	Resp:	165123
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.2
129	10.6	9.1	13.7

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#96

1,2,3-Trichlorobenzene

Concen: 20.50 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion:	180	Resp:	94469
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.0	144.2
145	34.4	17.1	51.2

