

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059961.D
 Acq On : 14 Aug 2018 23:47
 Operator : VA/AP
 Sample : VF0814SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

Manual Integrations
 APPROVED

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 8/16/2018 12:17:08 PM

Quant Time: Aug 15 11:19:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	126826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	185684	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	181713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	112656	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	117724	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	4.31	113	92915	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	7.72	98	208506	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	11.52	95	111368	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	40614	21.61	ug/l	98
3) Chloromethane	1.10	50	16963	21.18	ug/l	95
4) Vinyl Chloride	1.16	62	20334	22.11	ug/l	97
5) Bromomethane	1.35	94	18072	21.83	ug/l	98
6) Chloroethane	1.44	64	13298	22.27	ug/l	93
7) Trichlorofluoromethane	1.54	101	53411m	19.88	ug/l	
8) Diethyl Ether	1.71	74	7465	20.20	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.92	101	29025	21.40	ug/l	95
10) Methyl Iodide	1.98	142	48949	23.12	ug/l #	97
11) Tert butyl alcohol	2.71	59	9386	106.55	ug/l #	92
12) 1,1-Dichloroethene	1.87	96	22847	22.73	ug/l #	91
13) Acrolein	2.11	56	3577	80.27	ug/l	82
14) Allyl chloride	2.20	41	37296	26.08	ug/l	92
15) Acrylonitrile	3.09	53	16083	120.43	ug/l	89
16) Acetone	2.35	43	43589	99.04	ug/l	97
17) Carbon Disulfide	1.90	76	60059	23.33	ug/l #	91
18) Methyl Acetate	2.46	43	12951	21.16	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	65225	22.59	ug/l	97
20) Methylene Chloride	2.29	84	23021m	21.84	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	23102	23.64	ug/l	95
22) Diisopropyl ether	2.94	45	71804	21.83	ug/l	99
23) Vinyl Acetate	3.35	43	189406	116.01	ug/l	97
24) 1,1-Dichloroethane	3.01	63	52435	22.56	ug/l #	94
25) 2-Butanone	4.53	43	48994	110.08	ug/l	98
26) 2,2-Dichloropropane	3.78	77	31937	21.12	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	24501	22.69	ug/l	97
28) Bromochloromethane	3.91	49	19219	22.20	ug/l #	75
29) Tetrahydrofuran	4.27	42	17996	117.71	ug/l	98
30) Chloroform	4.06	83	69589	21.80	ug/l	95
31) Cyclohexane	3.88	56	28915	24.88	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	58009	22.10	ug/l	88
36) 1,1-Dichloropropene	4.48	75	42695	20.70	ug/l #	91
37) Ethyl Acetate	4.31	43	20222	22.91	ug/l	92
38) Carbon Tetrachloride	4.20	117	66398	19.33	ug/l	97

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Quant Time: Aug 15 11:19:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	34244	22.84	ug/l #	92
40) Benzene	4.83	78	73410	21.02	ug/l	99
41) Methacrylonitrile	4.95	41	9068	20.83	ug/l #	73
42) 1,2-Dichloroethane	5.13	62	56066	20.21	ug/l	93
43) Isopropyl Acetate	7.13	43	19992	20.78	ug/l	91
44) Trichloroethene	5.69	130	29246	21.76	ug/l	97
45) 1,2-Dichloropropane	6.42	63	20236	21.91	ug/l	98
46) Dibromomethane	6.28	93	19094	20.96	ug/l #	86
47) Bromodichloromethane	6.57	83	52624	20.01	ug/l	99
48) Methyl methacrylate	6.89	41	14693	20.50	ug/l	94
49) 1,4-Dioxane	6.89	88	2454	452.81	ug/l #	85
51) 4-Methyl-2-Pentanone	8.42	43	100488	107.80	ug/l	100
52) Toluene	7.79	92	52584	20.33	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	43914	20.42	ug/l	95
54) cis-1,3-Dichloropropene	7.48	75	43876	21.20	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	17710	20.04	ug/l	97
56) Ethyl methacrylate	8.78	69	19600	20.64	ug/l	94
57) 1,3-Dichloropropane	9.02	76	32598	20.02	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.79	63	11920	93.33	ug/l	100
59) 2-Hexanone	9.65	43	73063	107.46	ug/l	94
60) Dibromochloromethane	8.89	129	37257	21.30	ug/l	84
61) 1,2-Dibromoethane	9.15	107	23426	21.25	ug/l	90
64) Tetrachloroethene	8.33	164	27969	19.77	ug/l	94
65) Chlorobenzene	9.96	112	73079	20.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	34682	20.44	ug/l	93
67) Ethyl Benzene	10.06	91	126411	20.39	ug/l	100
68) m/p-Xylenes	10.29	106	93581	44.88	ug/l	96
69) o-Xylene	10.84	106	47035	20.77	ug/l	99
70) Styrene	10.92	104	72366	21.60	ug/l	98
71) Bromoform	10.91	173	21538	20.42	ug/l	88
73) Isopropylbenzene	11.24	105	154216	21.76	ug/l	100
74) N-amyl acetate	11.48	43	31832	20.38	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.80	83	26863	22.55	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	22458	21.87	ug/l	95
77) Bromobenzene	11.61	156	40457	21.76	ug/l	89
78) n-propylbenzene	11.70	91	171314	20.61	ug/l	97
79) 2-Chlorotoluene	11.83	91	112640	21.62	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	137362	20.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	8063m	19.21	ug/l	
82) 4-Chlorotoluene	12.00	91	124375	21.64	ug/l	96
83) tert-Butylbenzene	12.23	119	141293	21.74	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	178170	26.79	ug/l	99
85) sec-Butylbenzene	12.40	105	180888	21.84	ug/l	97
86) p-Isopropyltoluene	12.55	119	160600	22.01	ug/l	93
87) 1,3-Dichlorobenzene	12.56	146	75742	21.48	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	72804	20.97	ug/l	95
89) n-Butylbenzene	12.93	91	147389	20.98	ug/l	97
90) Hexachloroethane	13.01	117	39225	21.72	ug/l	88
91) 1,2-Dichlorobenzene	13.03	146	74984	21.92	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6431	19.93	ug/l	86

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ClientSampleId :
VF0814SBS01

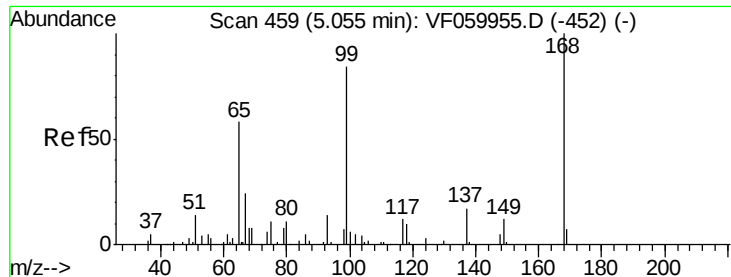
Manual Integrations
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8/16/2018 12:17:08 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 09:20:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	58937	21.50	ug/l	97
94) Hexachlorobutadiene	14.27	225	39066	19.93	ug/l	97
95) Naphthalene	14.54	128	94018	21.00	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	52218	19.96	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion:168 Resp: 126826

Ion Ratio Lower Upper

168 100

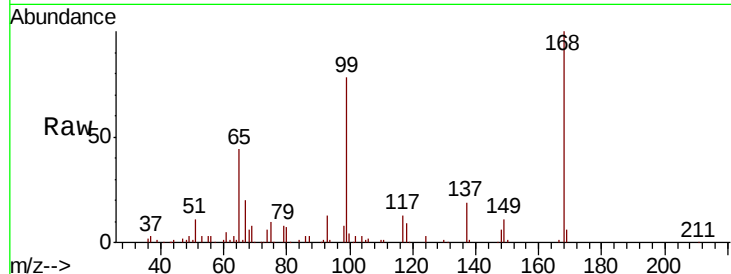
99 78.1 67.4 101.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

40000

30000

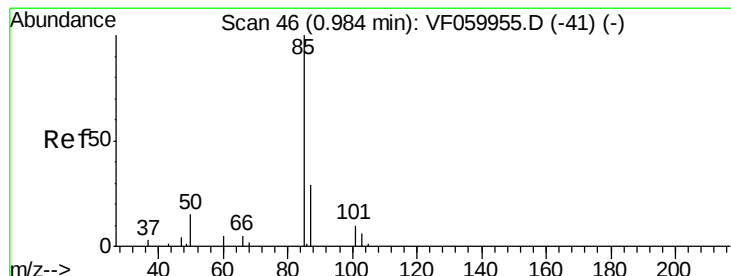
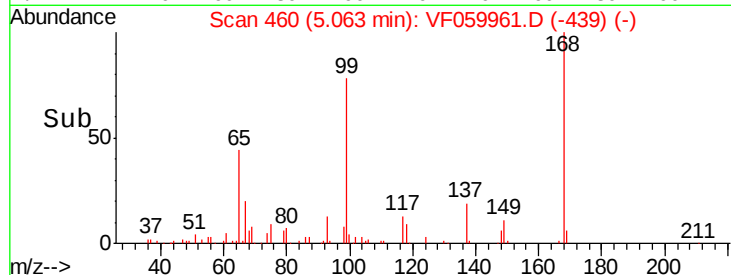
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 21.61 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059961.D

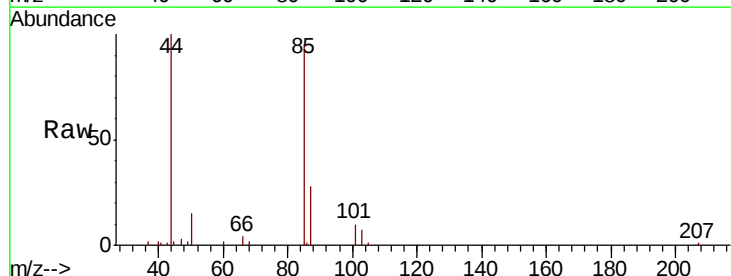
Acq: 14 Aug 2018 23:47

Tgt Ion: 85 Resp: 40614

Ion Ratio Lower Upper

85 100

87 29.7 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

15000

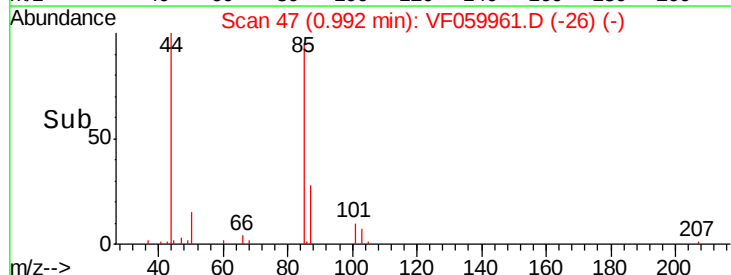
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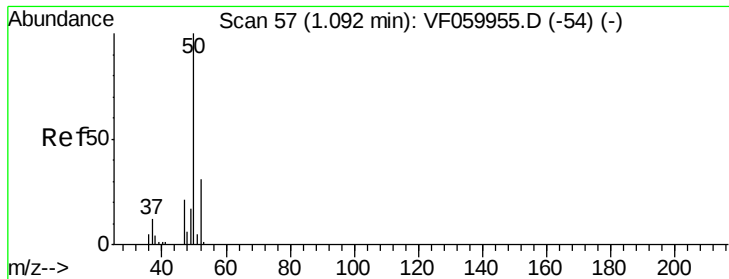
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 21.18 ug/l

RT: 1.10 min Scan# 58

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tot Ion: 50 Resp: 16963

Ion Ratio Lower Upper

50 100

52 33.0 24.2 36.2

Instrument :

MSVOA_F

ClientSampleId :

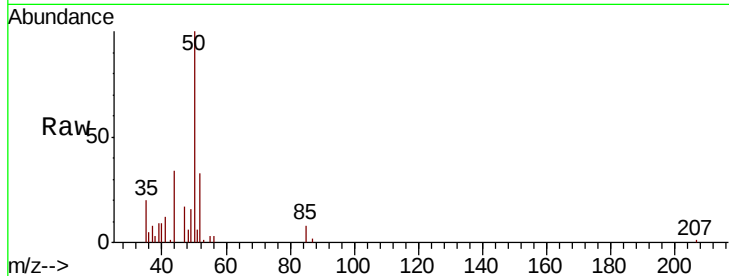
VF0814SBS01

Manual Integrations

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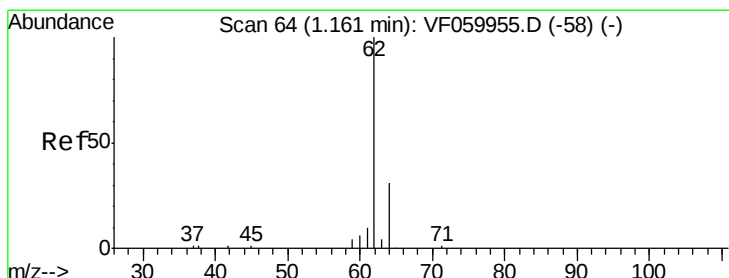
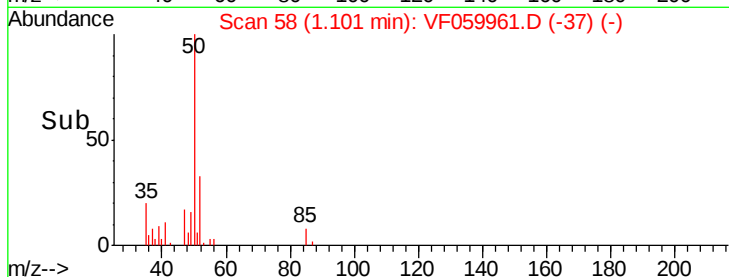
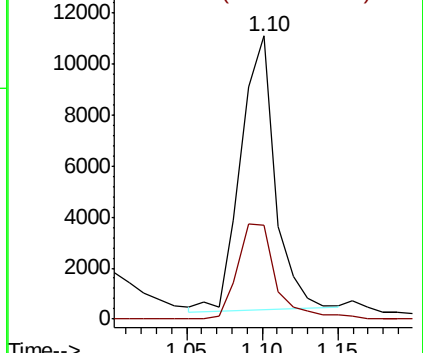
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.11 ug/l

RT: 1.16 min Scan# 64

Delta R.T. -0.00 min

Lab File: VF059961.D

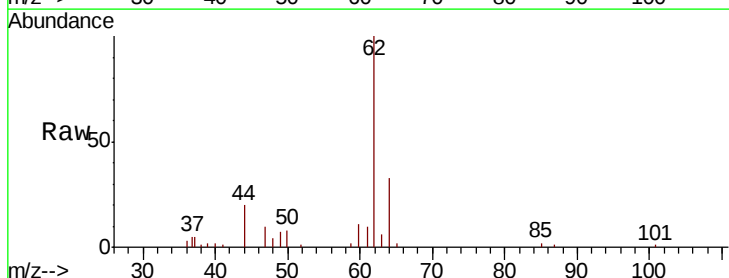
Acq: 14 Aug 2018 23:47

Tgt Ion: 62 Resp: 20334

Ion Ratio Lower Upper

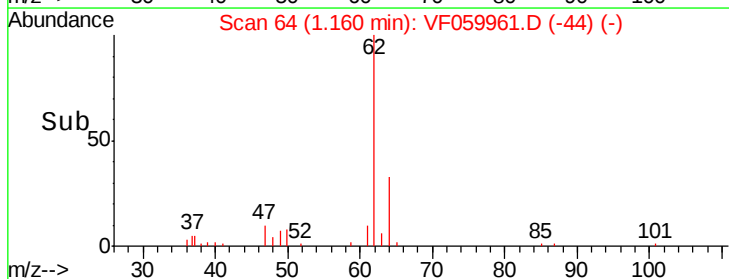
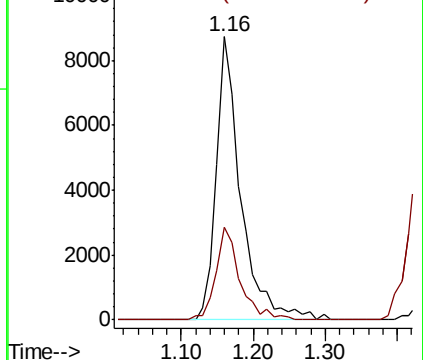
62 100

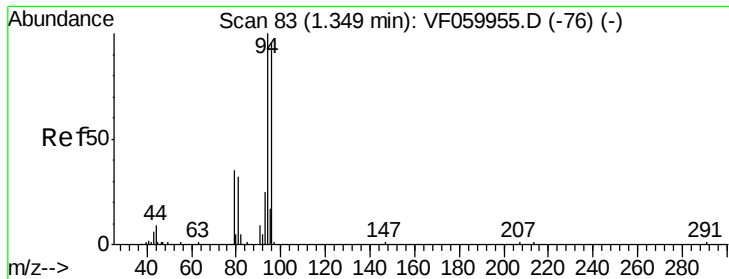
64 32.8 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.83 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion: 94 Resp: 18072

Ion Ratio Lower Upper

94 100

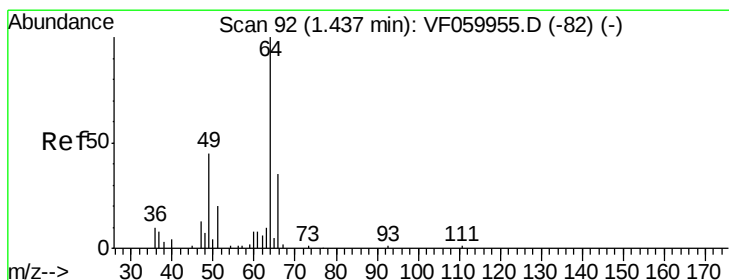
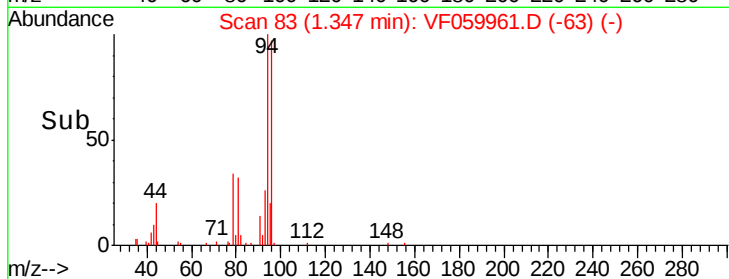
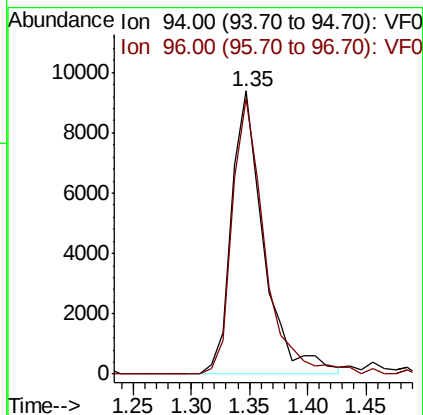
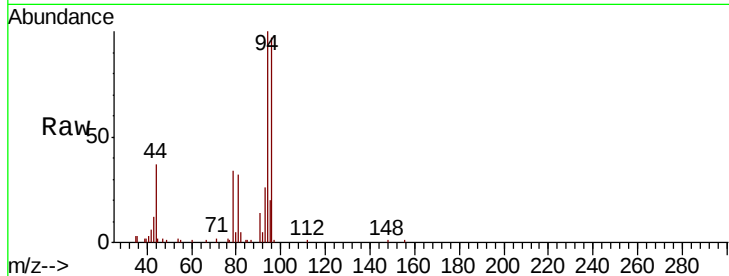
96 97.3 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 22.27 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF059961.D

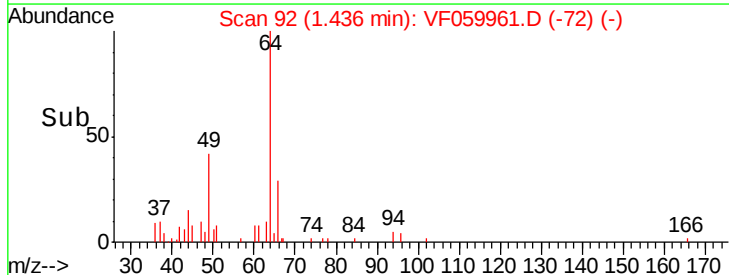
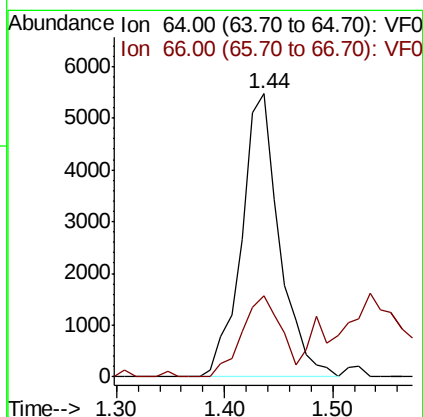
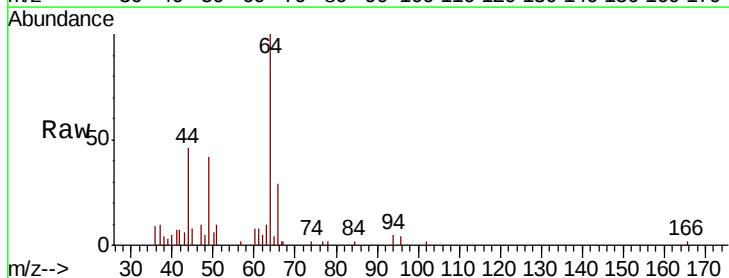
Acq: 14 Aug 2018 23:47

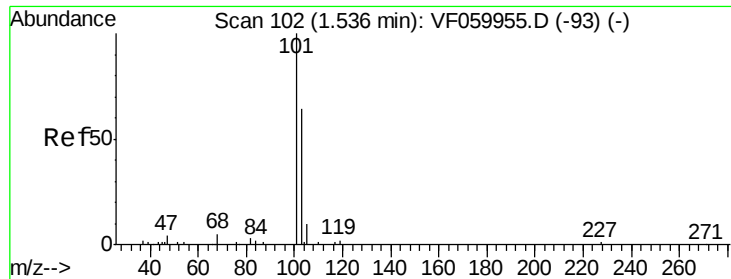
Tgt Ion: 64 Resp: 13298

Ion Ratio Lower Upper

64 100

66 30.9 28.2 42.2





#7

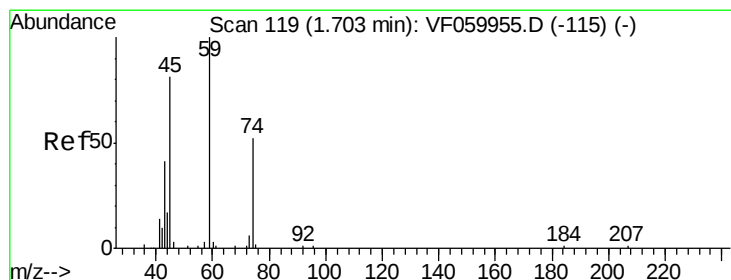
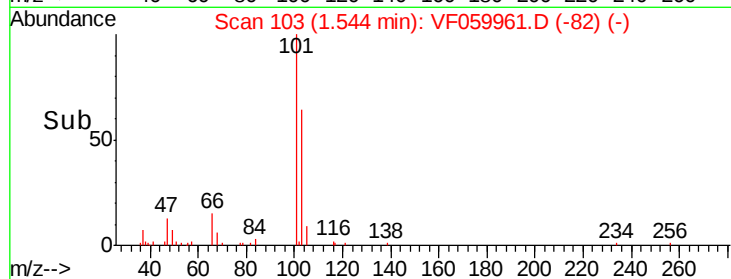
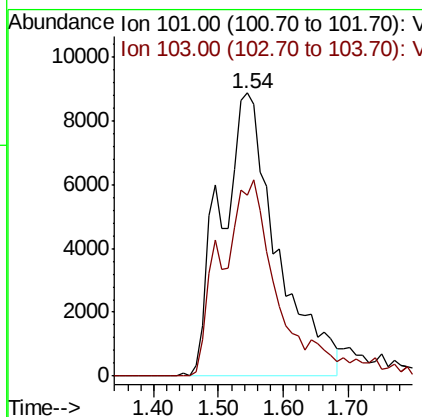
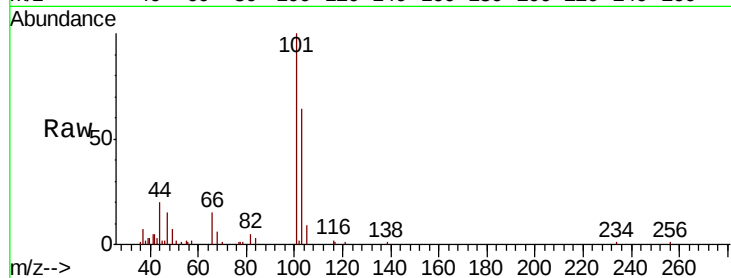
Trichlorofluoromethane
Concen: 19.88 ug/l m
RT: 1.54 min Scan# 103
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

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ClientSampleId :
VF0814SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.6	77.4

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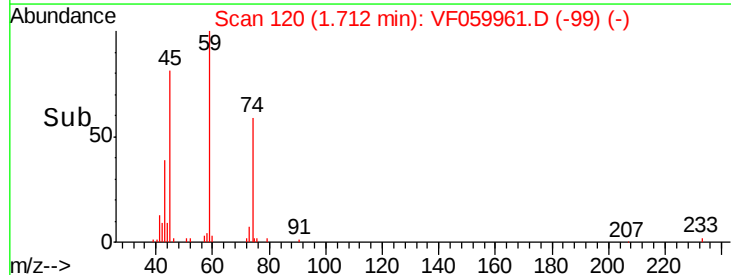
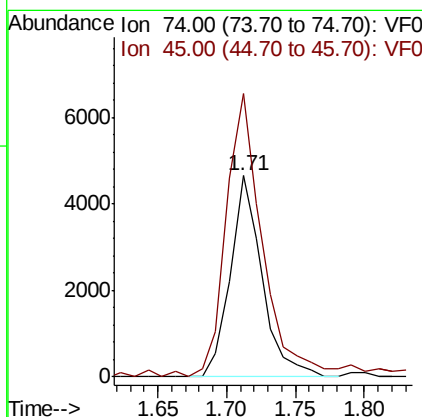
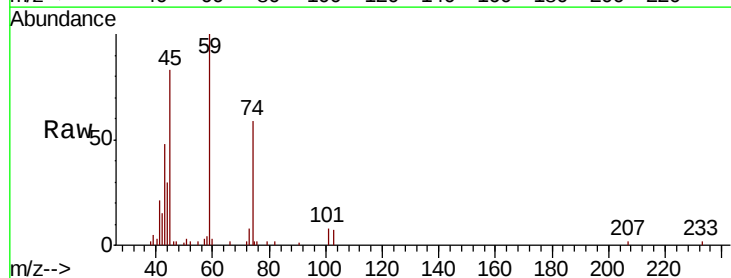
apatel
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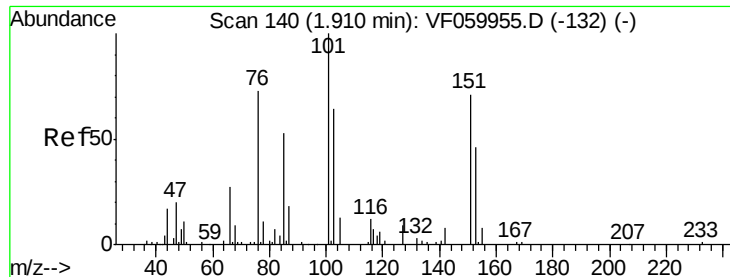


#8

Diethyl Ether
Concen: 20.20 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.7	77.5	232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.40 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

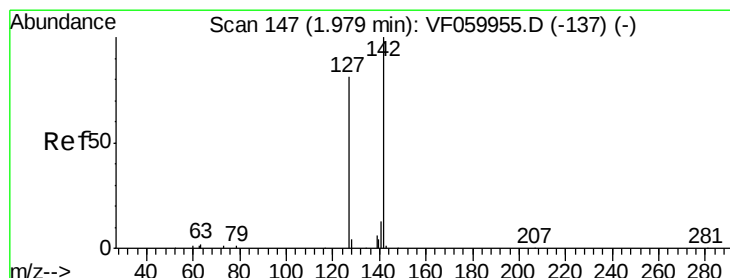
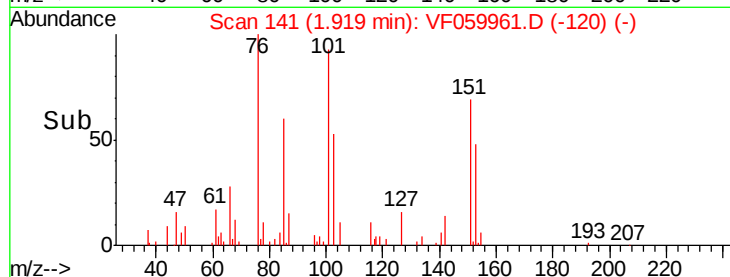
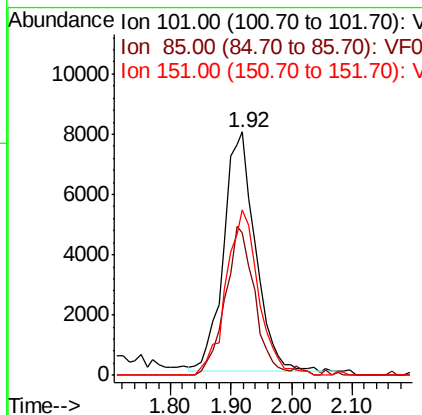
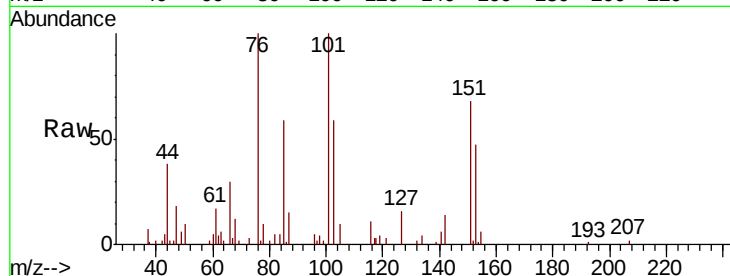
ClientSampleId :

VF0814SBS01

Tot Ion:	101	Resp:	29025
Ion Ratio	Lower	Upper	
101	100		
85	60.1	42.1	63.1
151	68.0	55.4	83.0

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#10

Methyl Iodide

Concen: 23.12 ug/l

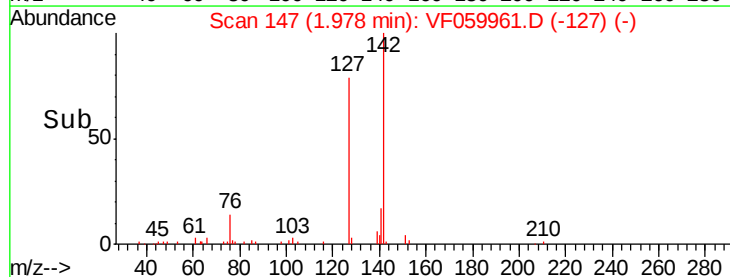
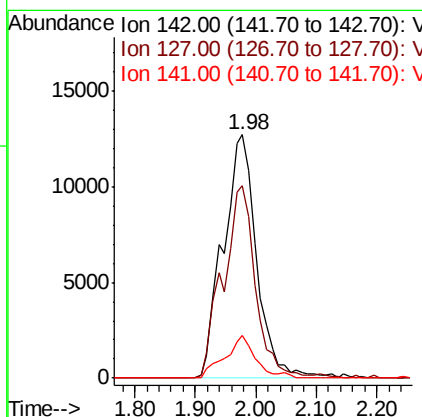
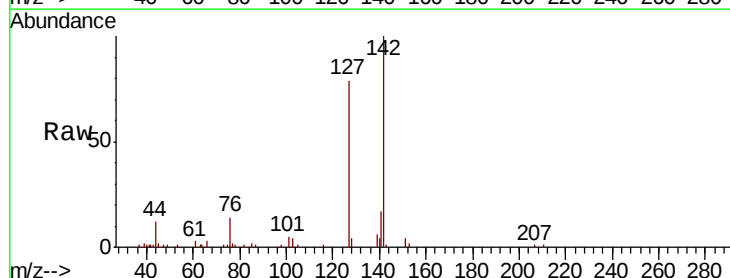
RT: 1.98 min Scan# 147

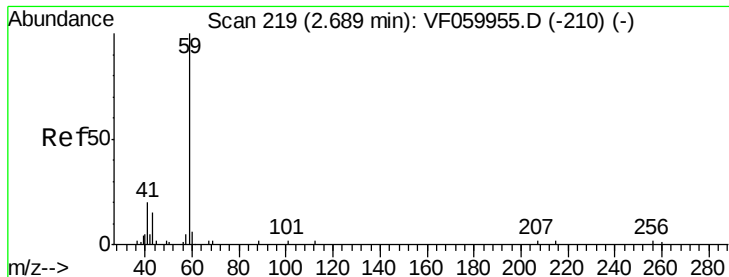
Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tgt Ion:	142	Resp:	48949
Ion Ratio	Lower	Upper	
142	100		
127	79.0	64.5	96.7
141	17.4	10.8	16.2#





#11

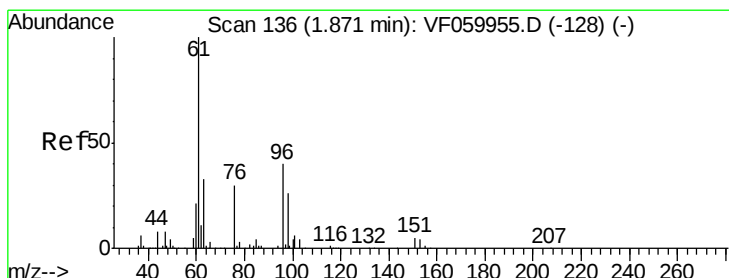
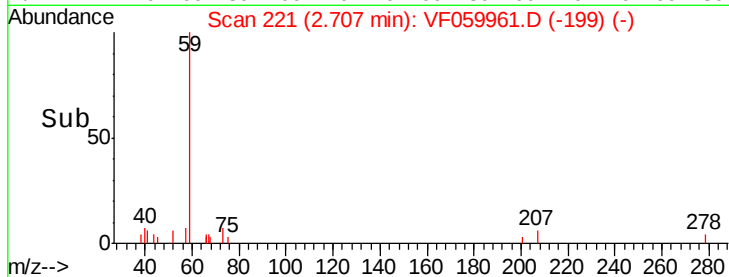
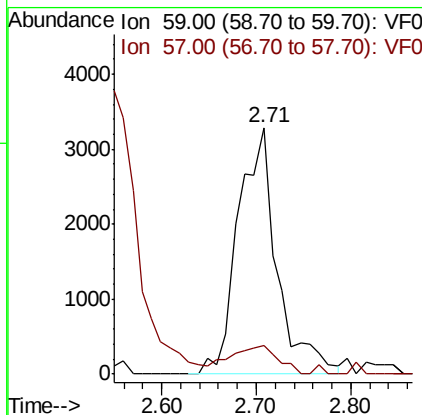
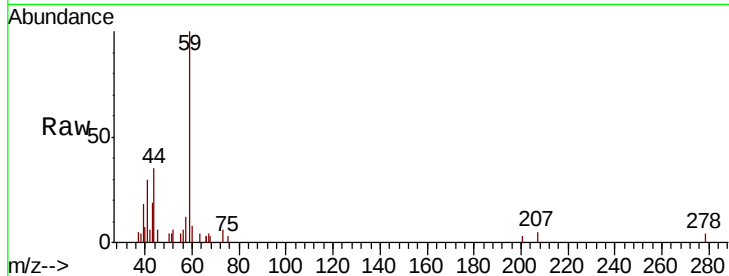
Tert butyl alcohol
 Concen: 106.55 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	12.0	18.0#

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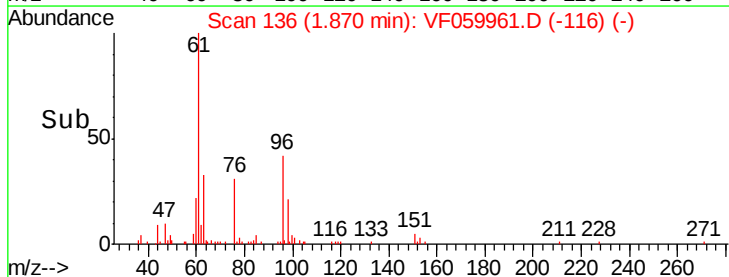
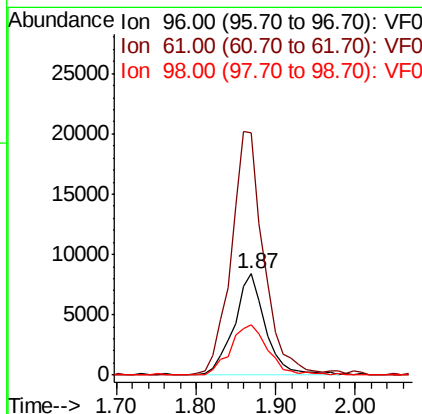
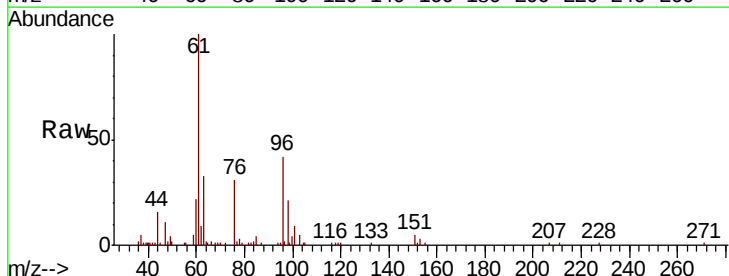
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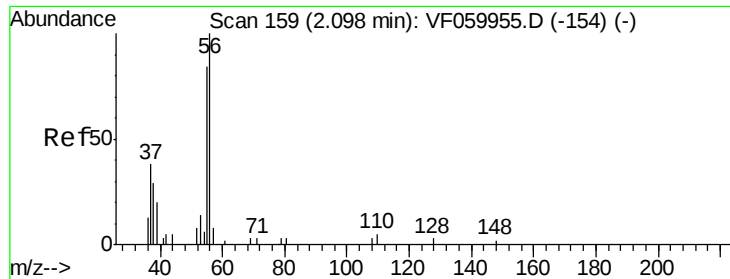


#12

1,1-Dichloroethene
 Concen: 22.73 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	240.0	201.0	301.4
98	50.3	51.9	77.9#





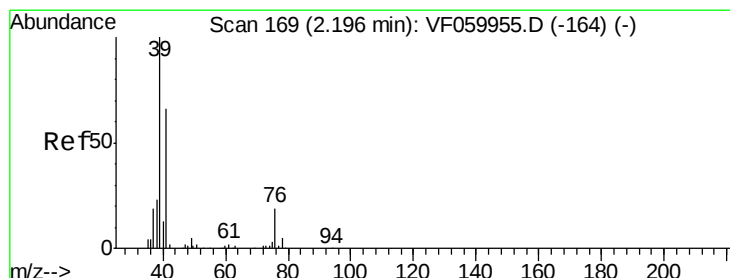
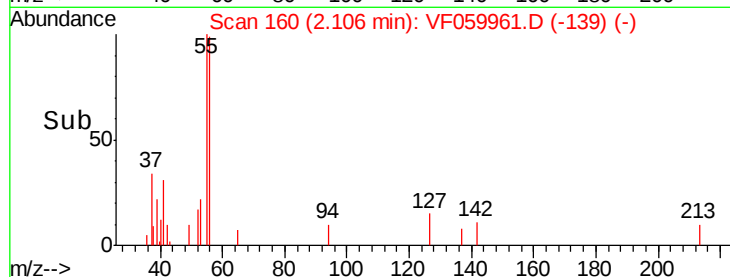
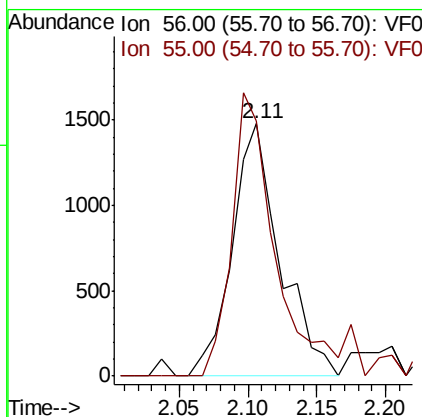
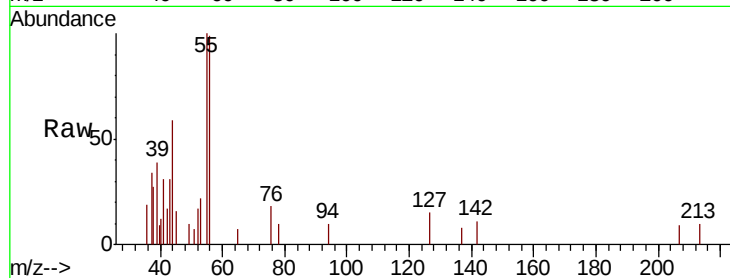
#13
Acrolein
Concen: 80.27 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion	56	Resp	3577
Ion Ratio	100	Lower	Upper
55	100.9	67.4	101.2

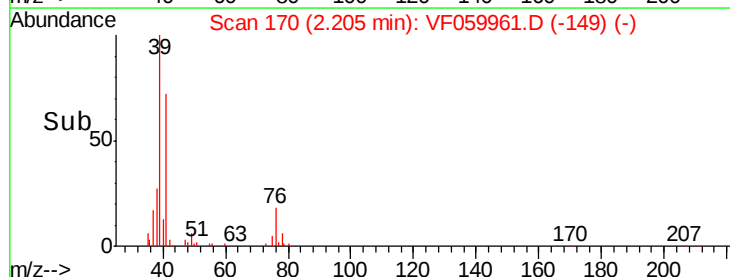
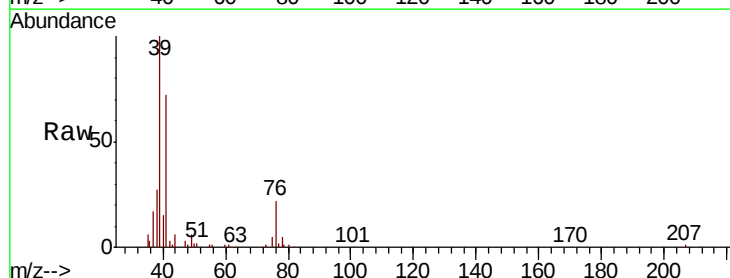
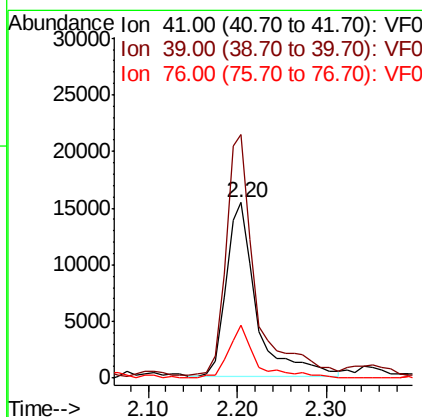
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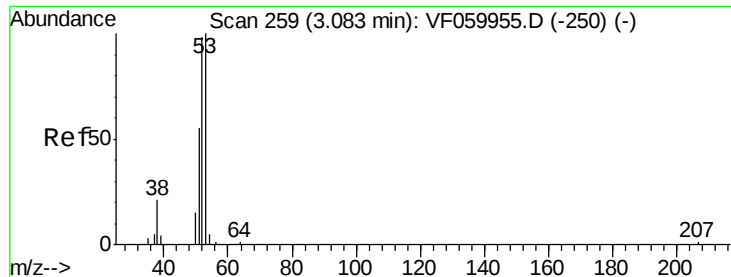
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#14
Allyl chloride
Concen: 26.08 ug/l
RT: 2.20 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	41	Resp	37296
Ion Ratio	100	Lower	Upper
39	138.9	121.0	181.4
76	30.2	23.6	35.4





#15

Acrylonitrile

Concen: 120.43 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

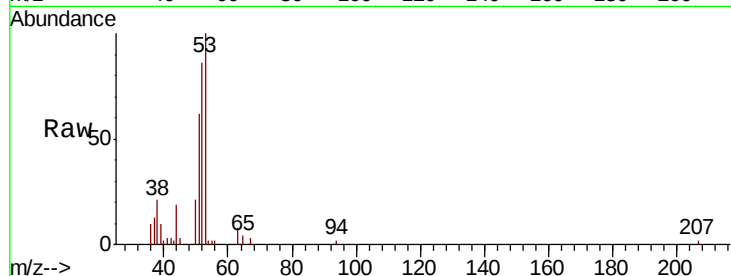
ClientSampleId :

VF0814SBS01

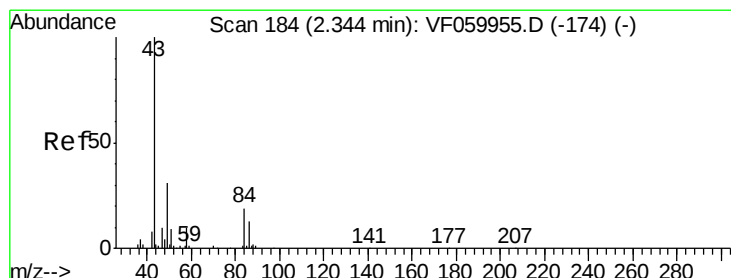
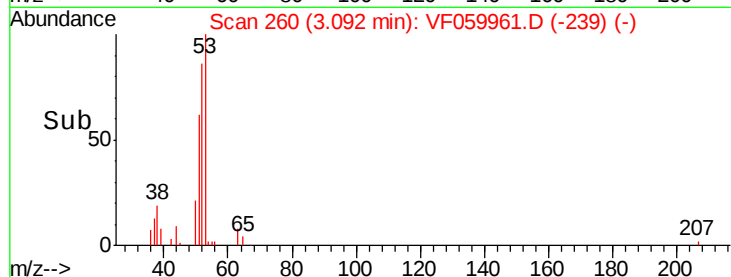
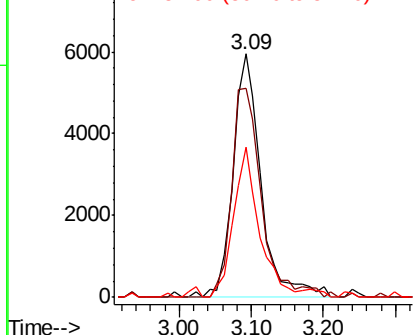
Tot Ion:	53	Resp:	16083
Ion Ratio	Lower	Upper	
53	100		
52	86.0	78.1	117.1
51	61.8	44.2	66.4

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Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 99.04 ug/l

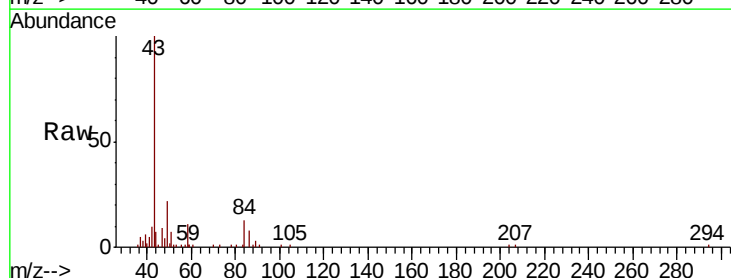
RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

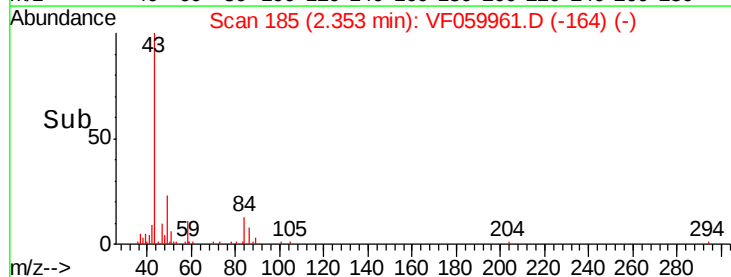
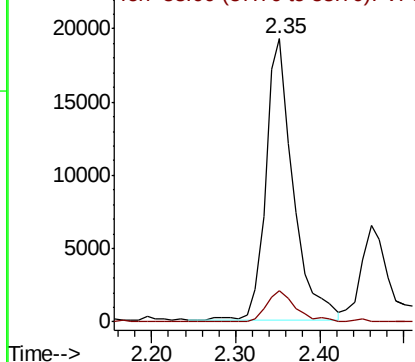
Lab File: VF059961.D

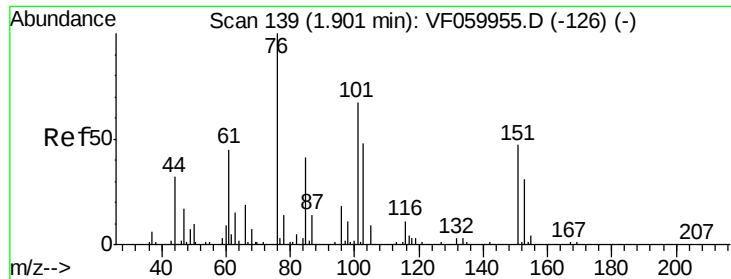
Acq: 14 Aug 2018 23:47

Tgt Ion:	43	Resp:	43589
Ion Ratio	Lower	Upper	
43	100		
58	11.1	8.1	12.1



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





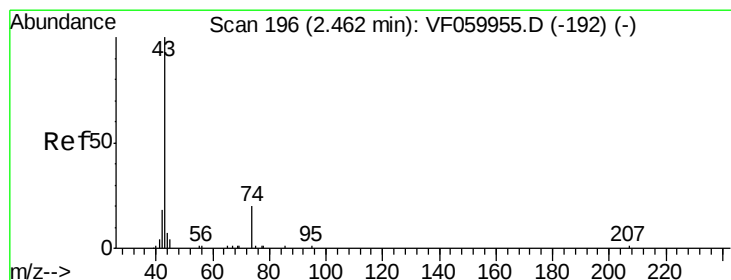
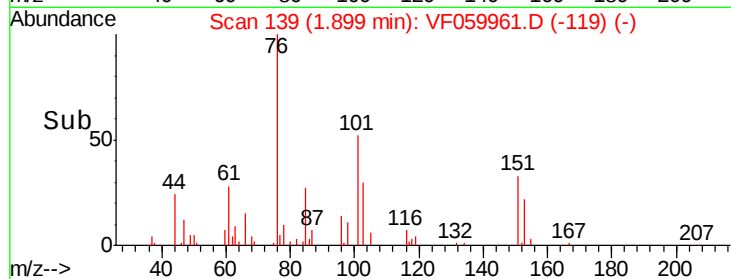
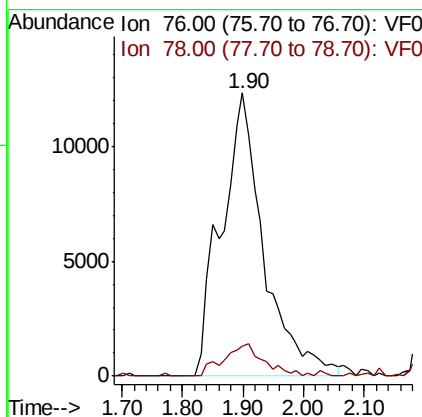
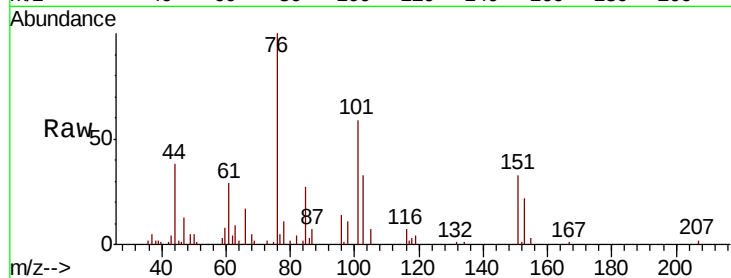
#17
Carbon Disulfide
Concen: 23.33 ug/l
RT: 1.90 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion: 76 Resp: 60059
Ion Ratio Lower Upper
76 100
78 10.7 11.4 17.0#

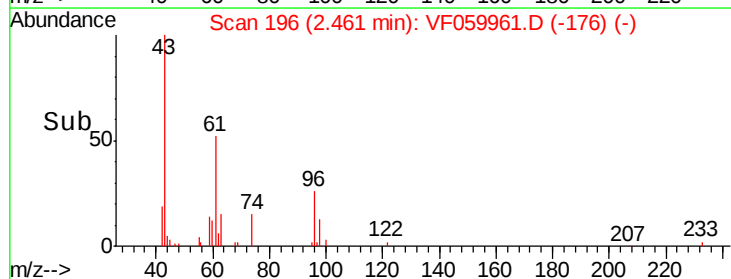
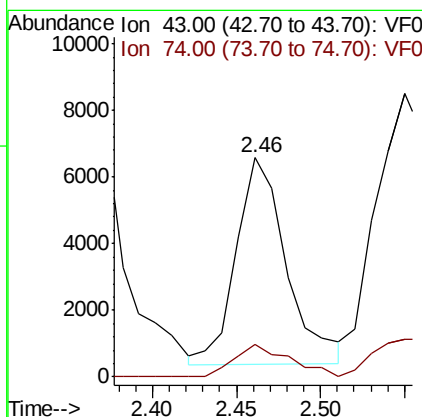
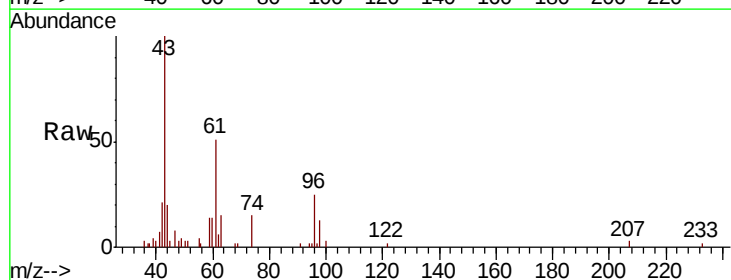
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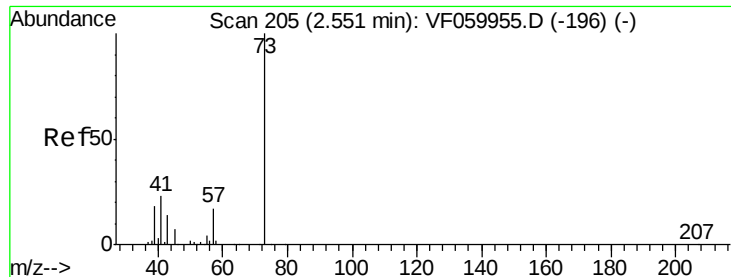
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#18
Methyl Acetate
Concen: 21.16 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion: 43 Resp: 12951
Ion Ratio Lower Upper
43 100
74 14.8 14.3 21.5





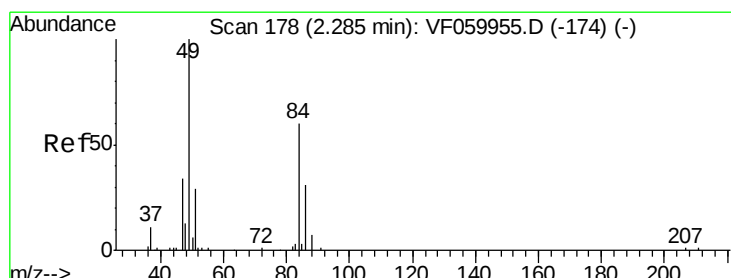
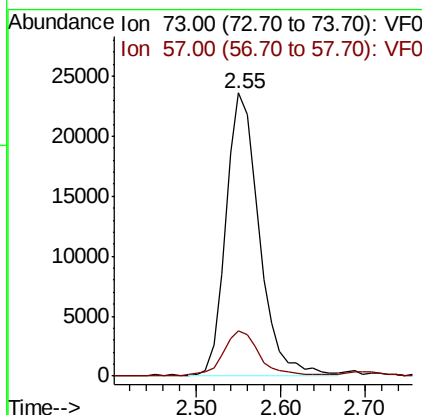
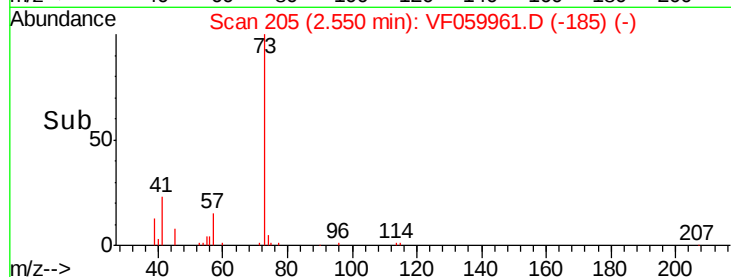
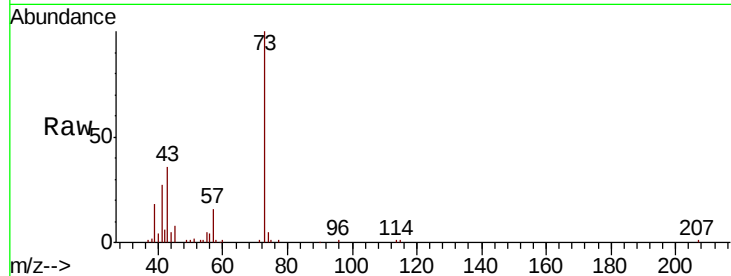
#19
Methvl tert-butvl Ether
Concen: 22.59 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.0	14.0	21.0

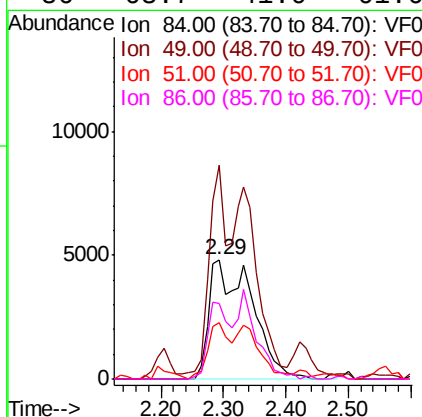
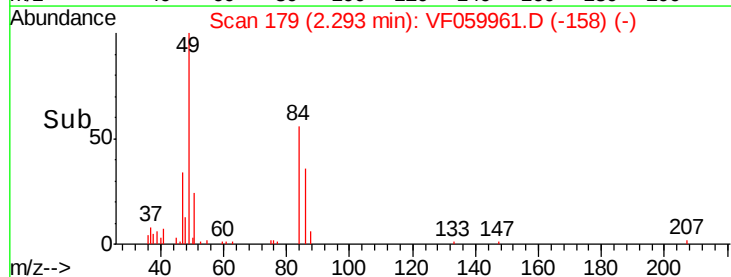
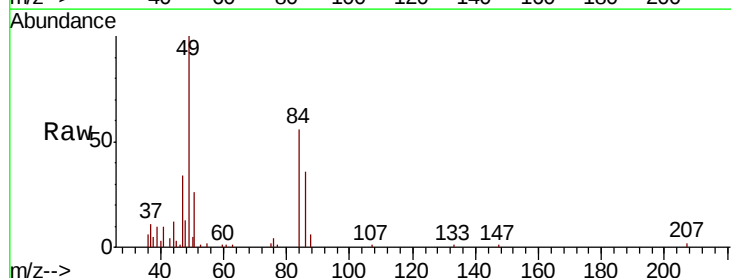
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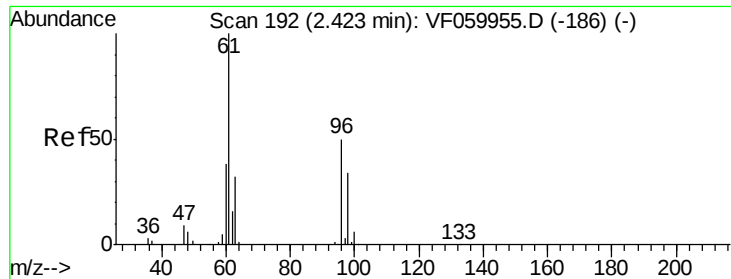
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#20
Methylene Chloride
Concen: 21.84 ug/l m
RT: 2.29 min Scan# 179
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	179.3	134.8	202.2
51	47.2	39.8	59.6
86	63.7	41.0	61.6#





#21

trans-1,2-Dichloroethene

Concen: 23.64 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

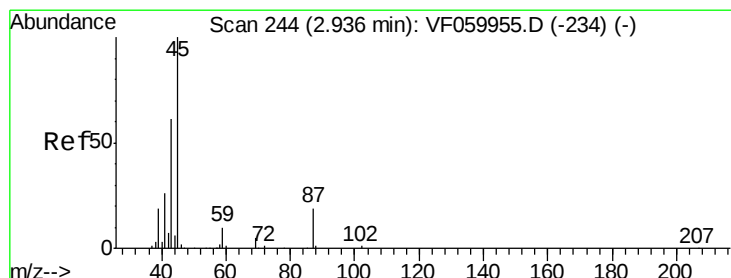
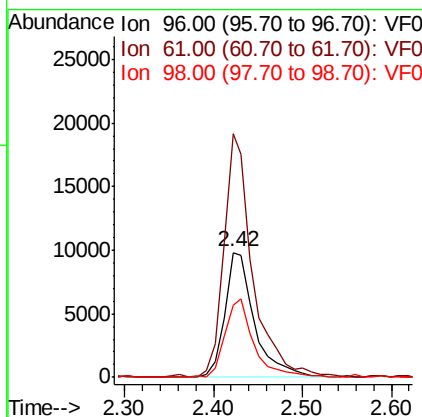
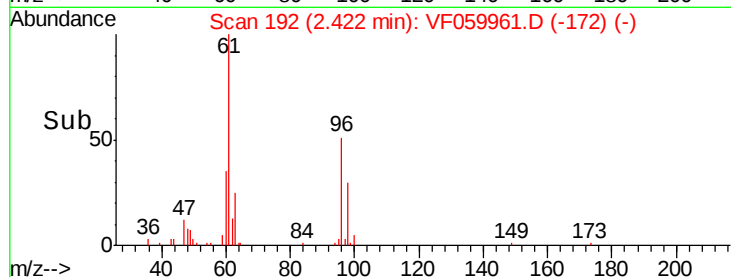
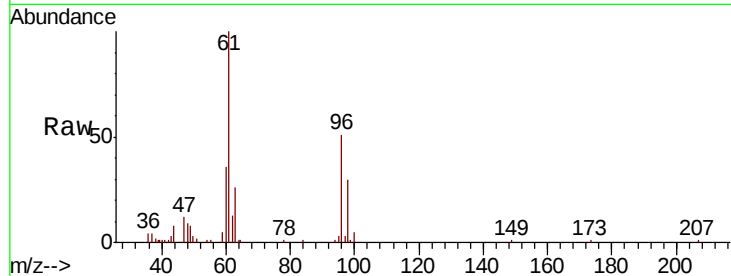
ClientSampleId :

VF0814SBS01

Tot Ion:	96	Resp:	23102
Ion	Ratio	Lower	Upper
96	100		
61	195.2	159.5	239.3
98	57.7	53.8	80.6

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#22

Diisopropyl ether

Concen: 21.83 ug/l

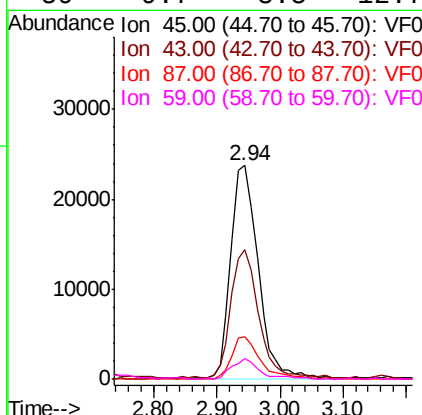
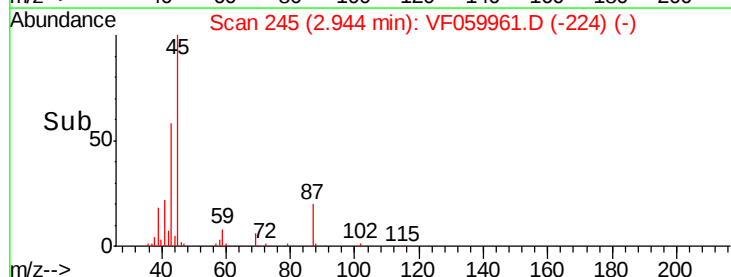
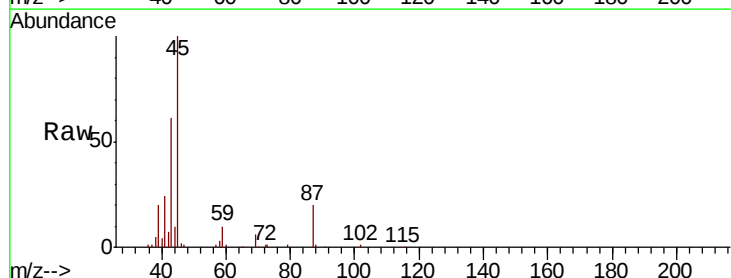
RT: 2.94 min Scan# 245

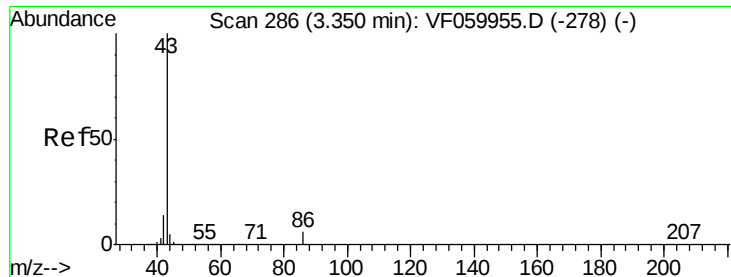
Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tgt Ion:	45	Resp:	71804
Ion	Ratio	Lower	Upper
45	100		
43	60.6	48.7	73.1
87	19.9	15.3	22.9
59	9.7	8.5	12.7





#23

Vinyl Acetate

Concen: 116.01 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion: 43 Resp: 189406

Ion Ratio Lower Upper

43 100

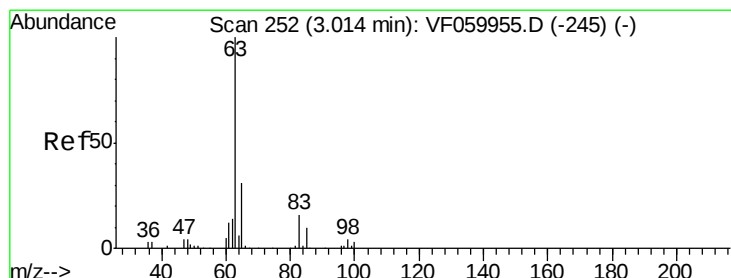
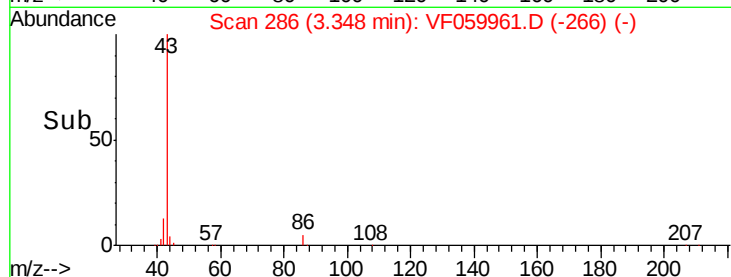
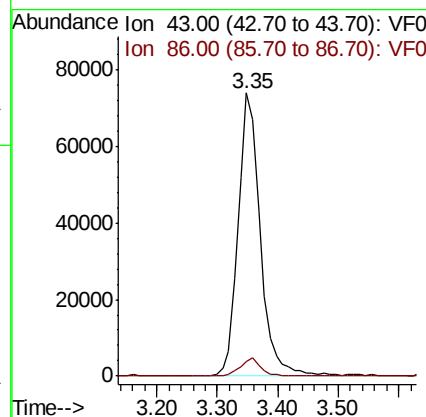
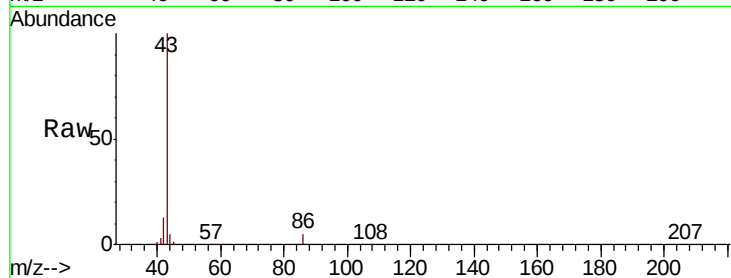
86 5.2 4.9 7.3

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#24

1,1-Dichloroethane

Concen: 22.56 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

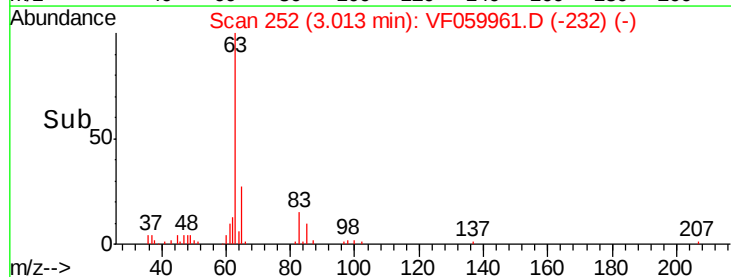
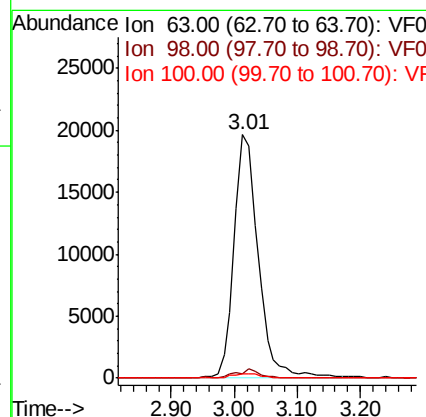
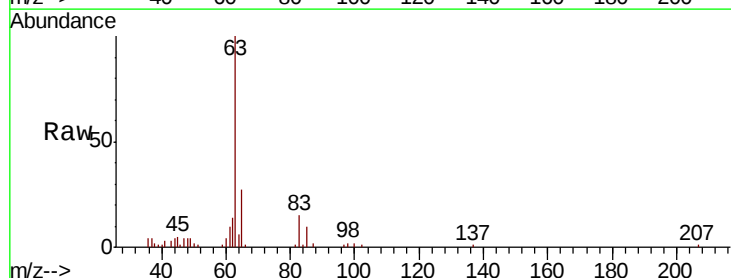
Tgt Ion: 63 Resp: 52435

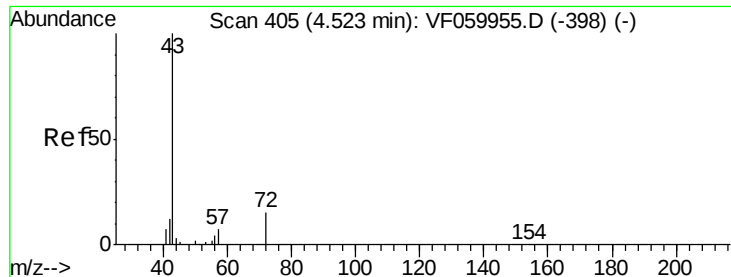
Ion Ratio Lower Upper

63 100

98 2.0 2.1 6.2#

100 1.7 1.7 5.1#





#25

2-Butanone

Concen: 110.08 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF059961.D

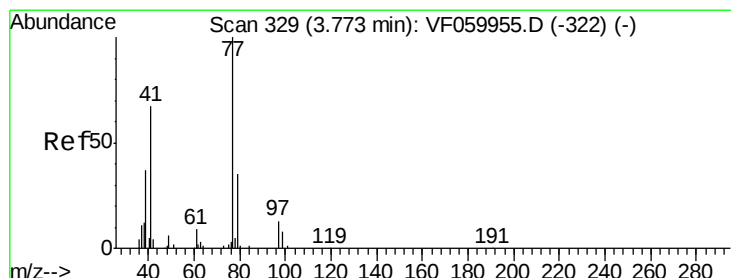
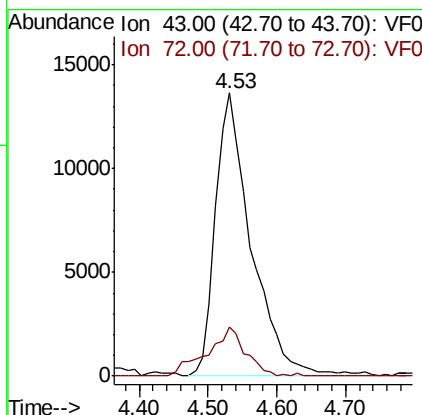
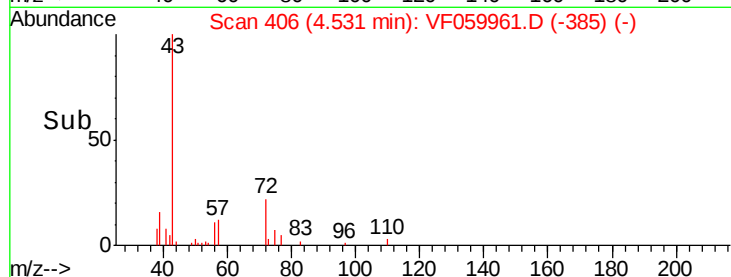
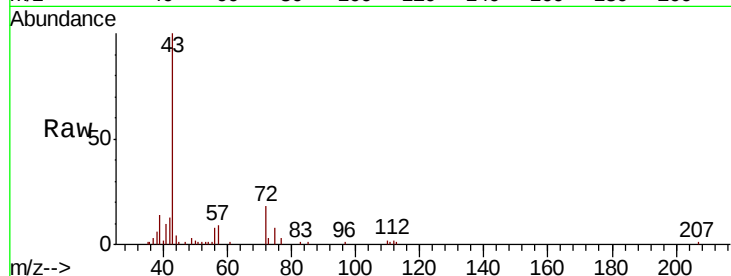
Acq: 14 Aug 2018 23:47

Tot Ion	43	Resp	48994
Ion Ratio	100	Lower	Upper
72	17.6	14.6	22.0

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

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#26

2,2-Dichloropropane

Concen: 21.12 ug/l

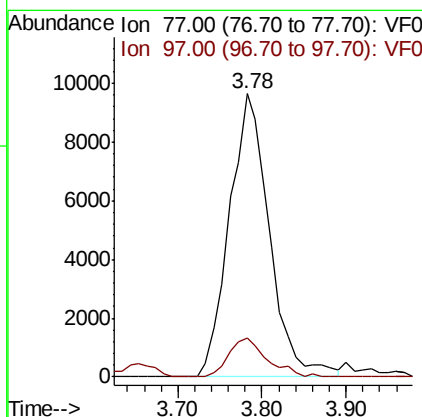
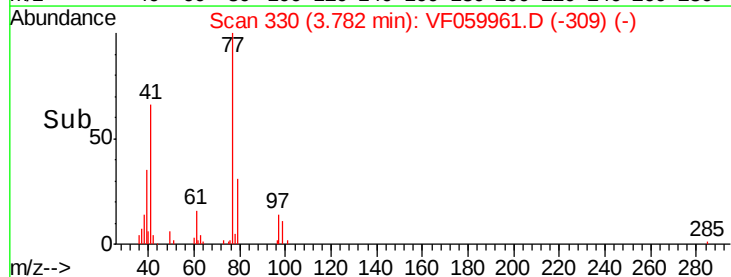
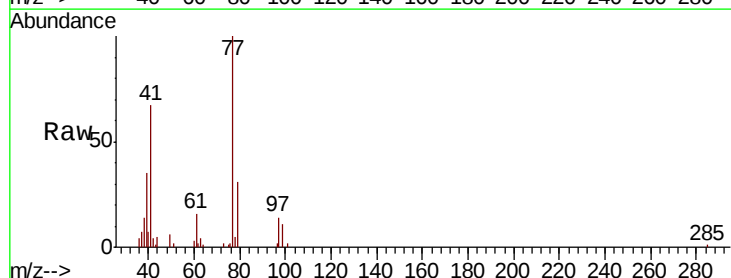
RT: 3.78 min Scan# 330

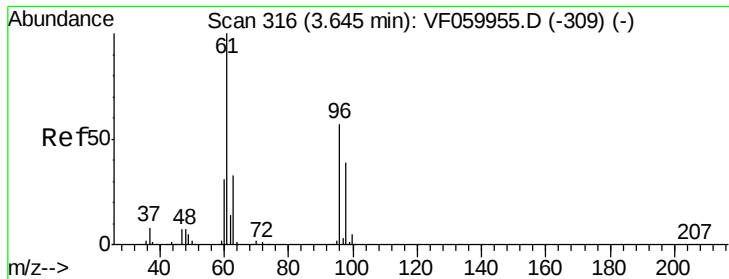
Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tgt Ion	77	Resp	31937
Ion Ratio	100	Lower	Upper
97	13.6	6.6	19.7





#27

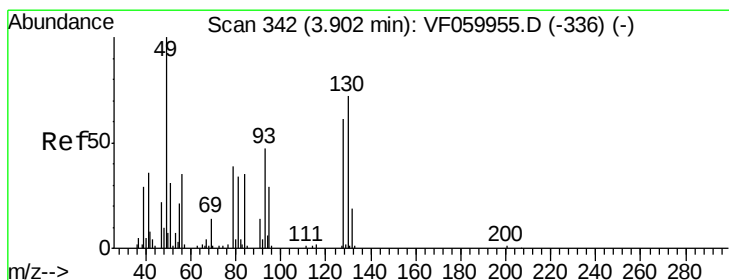
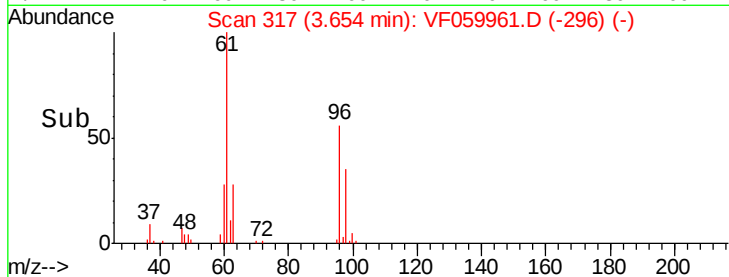
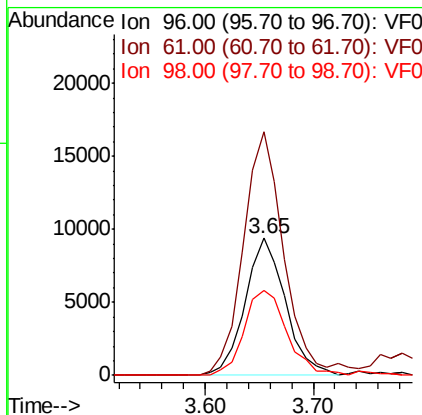
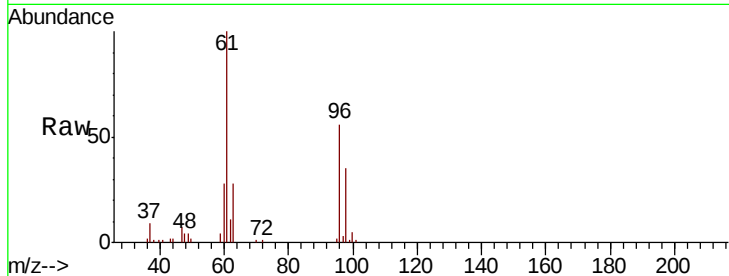
cis-1,2-Dichloroethene
Concen: 22.69 ug/l
RT: 3.65 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	24501		
61	178.0	0.0	349.4	
98	62.3	0.0	134.6	

Manual Integrations
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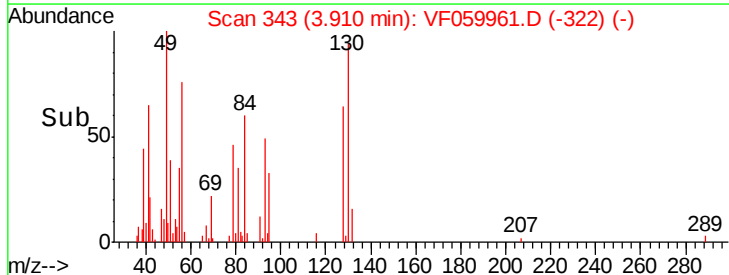
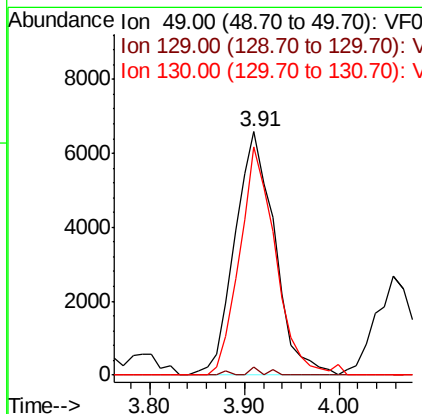
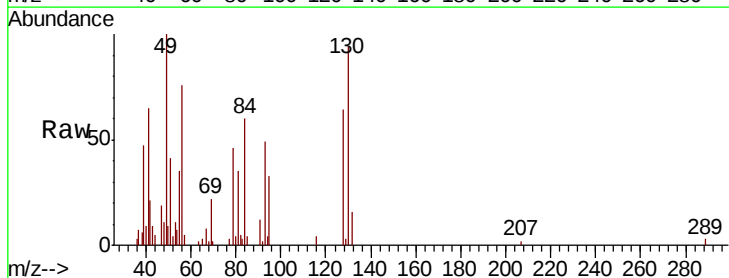
apatel
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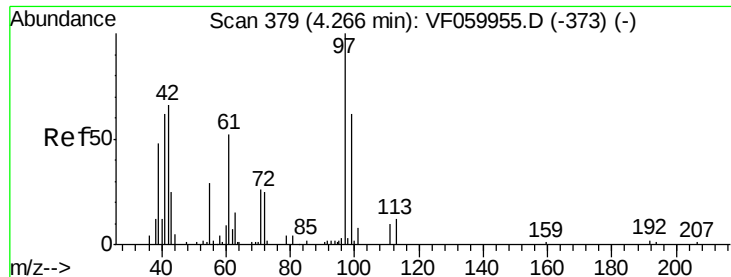


#28

Bromochloromethane
Concen: 22.20 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19219		
129	3.4	0.0	4.2	
130	93.7	58.1	87.1#	





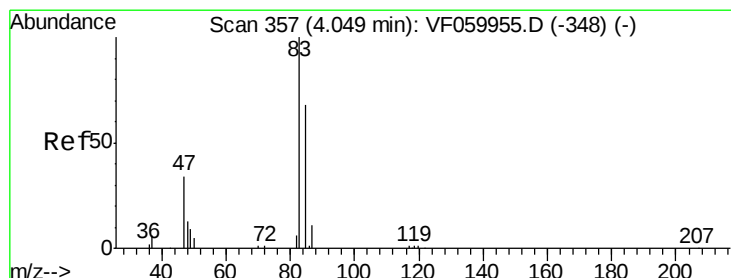
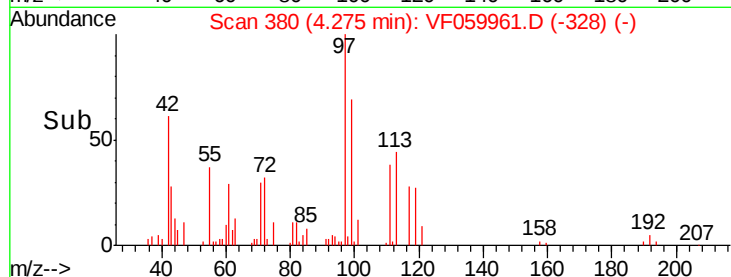
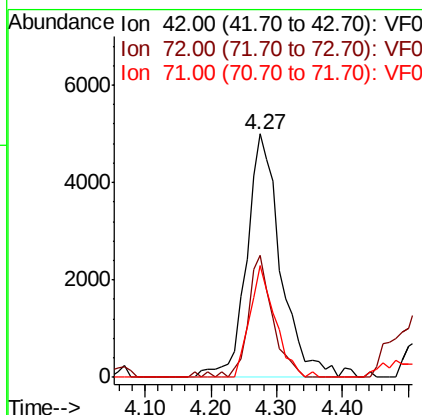
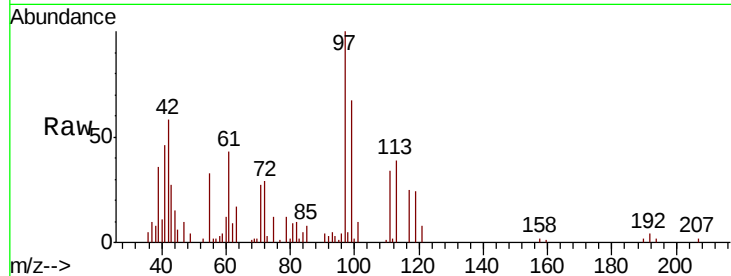
#29
Tetrahydrofuran
Concen: 117.71 ug/l
RT: 4.27 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	17996		
72	36.0		27.7	41.5
71	34.7		28.2	42.4

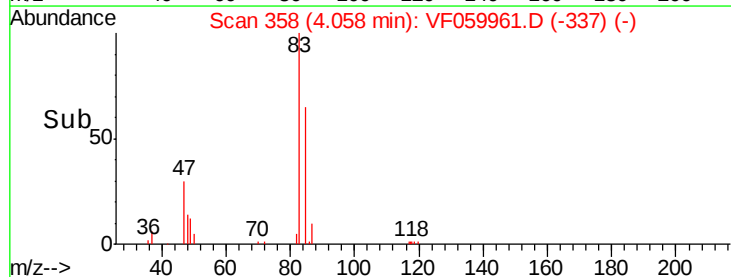
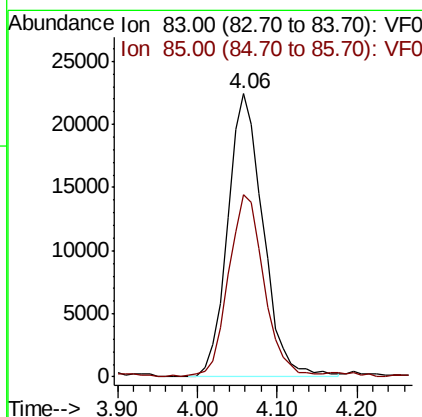
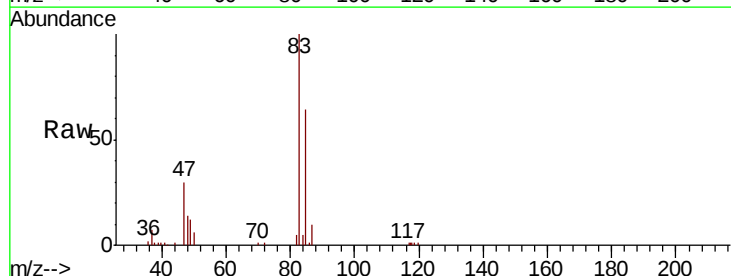
Manual Integrations
APPROVED

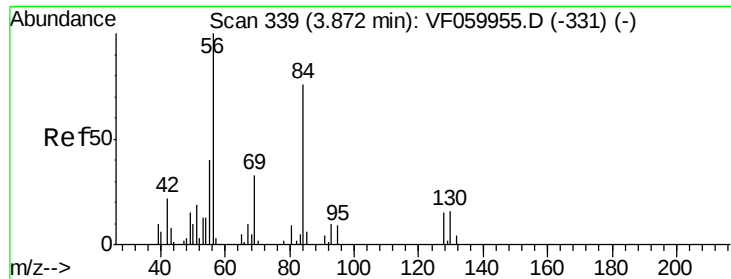
apatel
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#30
Chloroform
Concen: 21.80 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	69589		
85	64.3		54.4	81.6





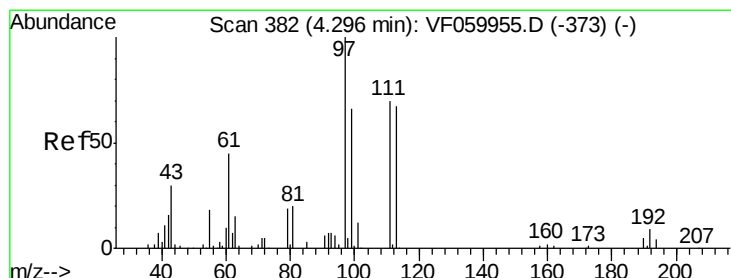
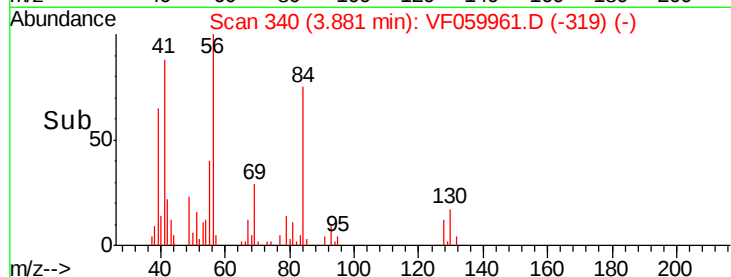
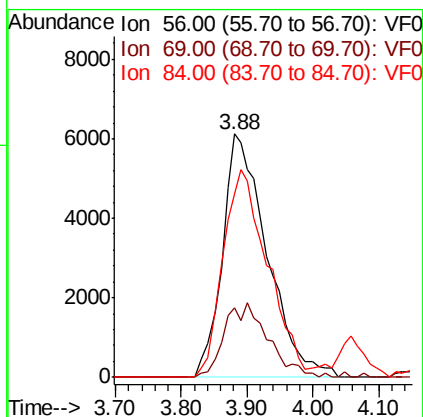
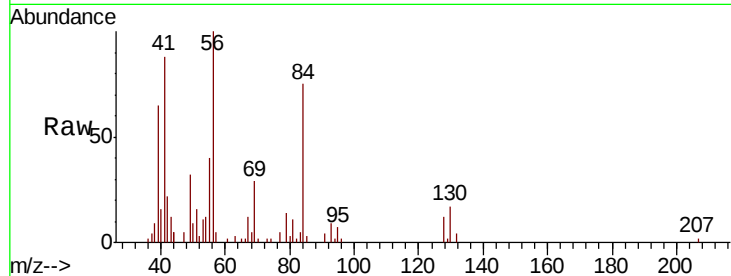
#31
Cyclohexane
Concen: 24.88 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	26.2	39.2
84	75.4	61.0	91.4

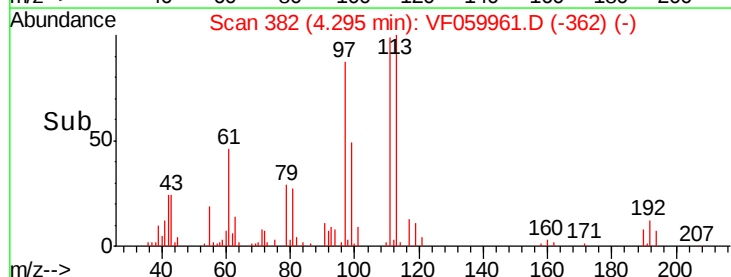
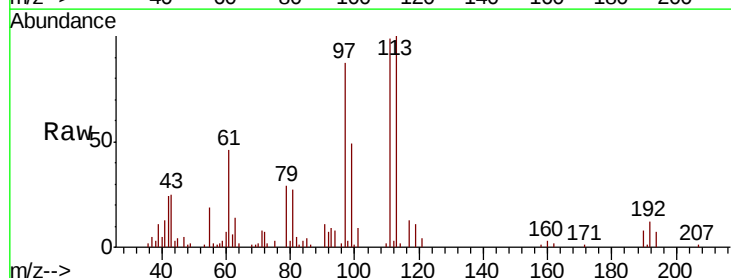
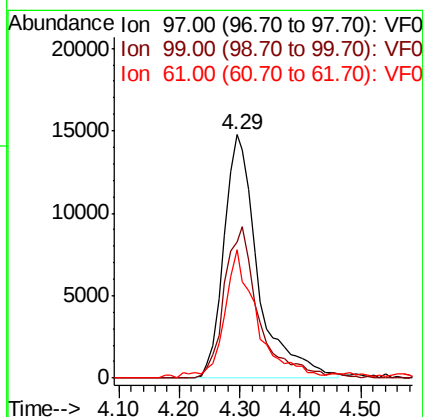
Manual Integrations
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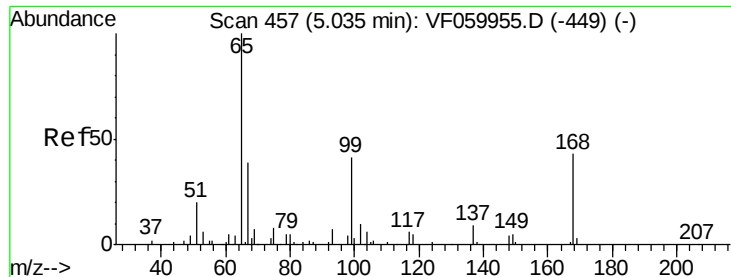
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#32
1,1,1-Trichloroethane
Concen: 22.10 ug/l
RT: 4.29 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	56.1	53.0	79.4
61	52.8	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 53.09 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion: 65 Resp: 117724

Ion Ratio Lower Upper

65 100

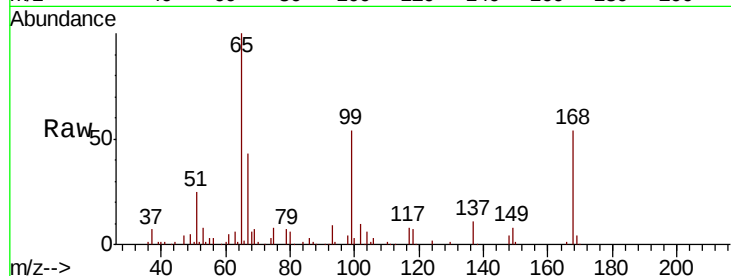
67 43.2 0.0 87.4

Manual Integrations

APPROVED

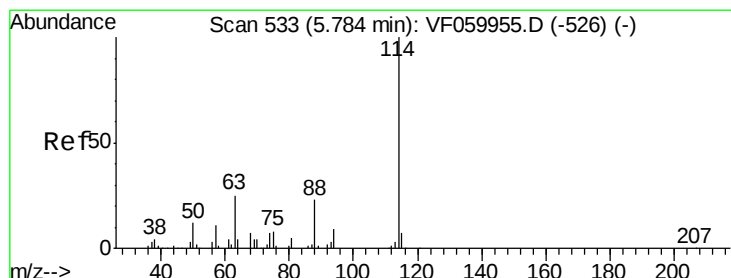
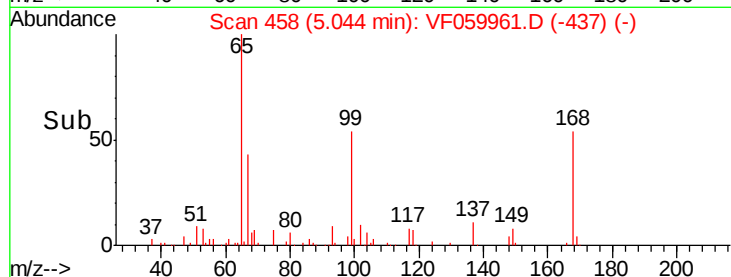
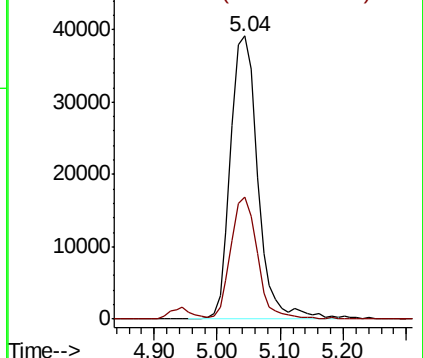
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

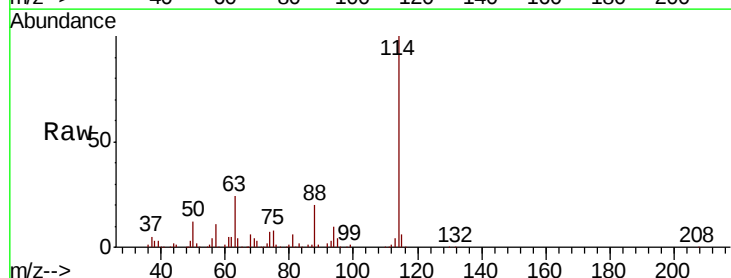
Tgt Ion: 114 Resp: 185684

Ion Ratio Lower Upper

114 100

63 24.3 0.0 50.2

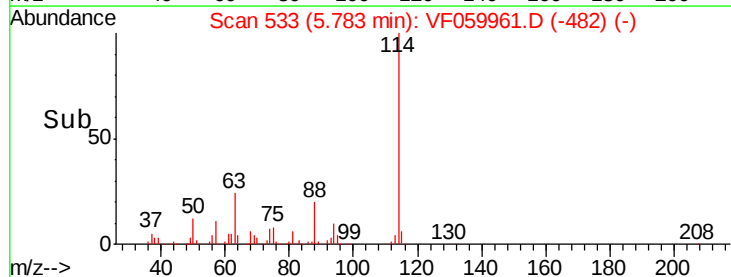
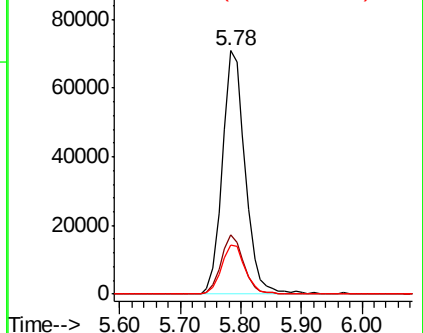
88 20.2 0.0 46.8

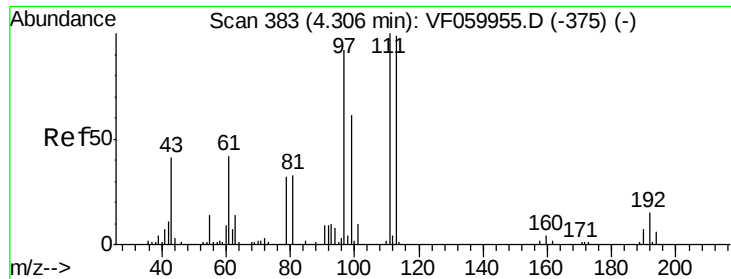


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





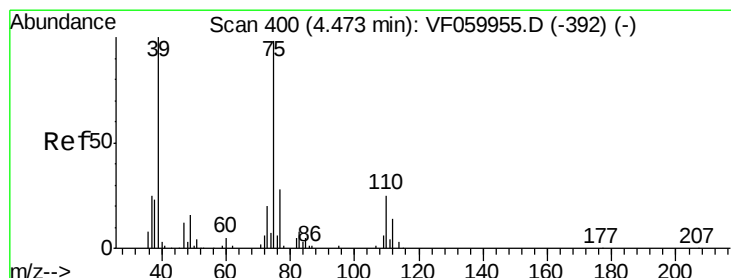
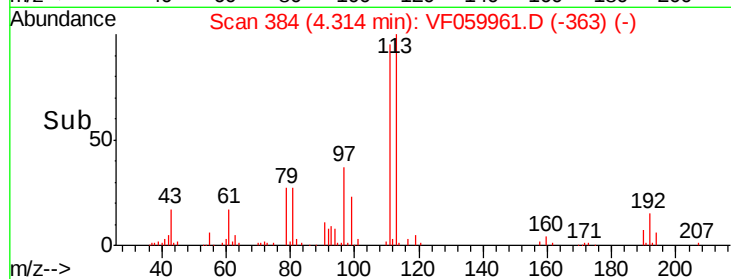
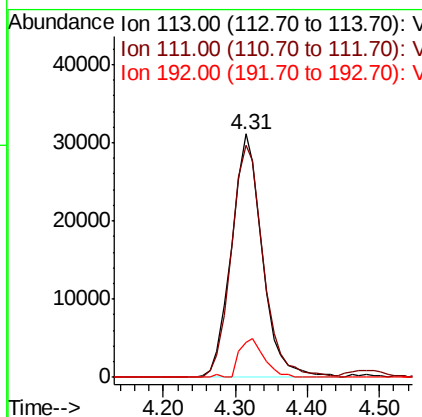
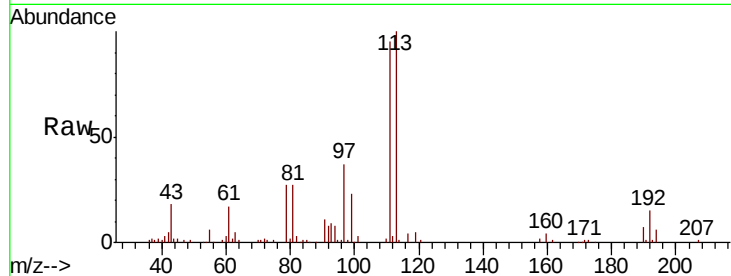
#35
 Dibromofluoromethane
 Concen: 49.94 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	92915		
111	95.2	80.6	121.0	
192	14.5	11.7	17.5	

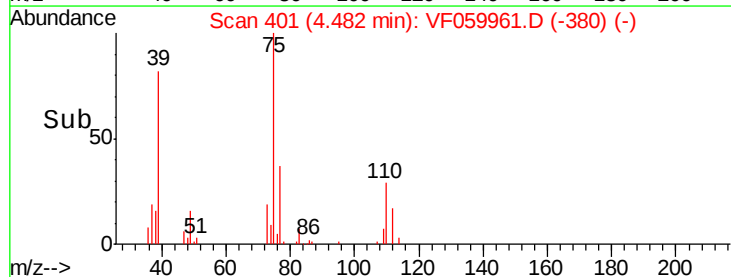
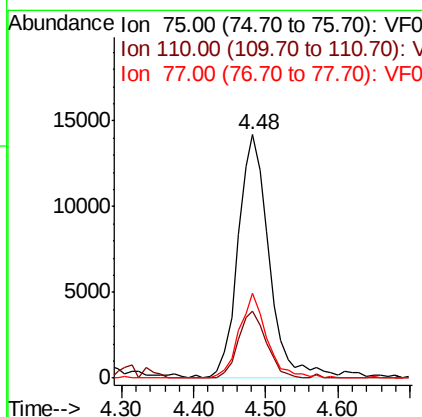
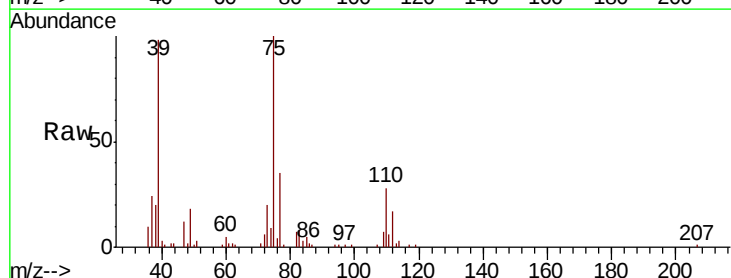
Manual Integrations
 APPROVED

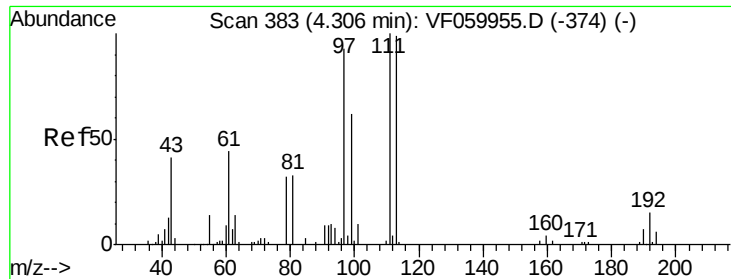
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#36
 1,1-Dichloropropene
 Concen: 20.70 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	42695		
110	27.7	12.6	37.8	
77	35.1	22.7	34.1#	





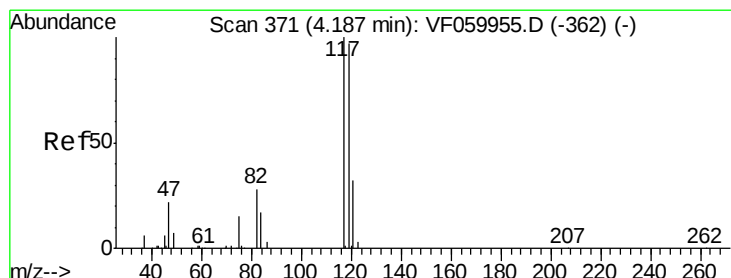
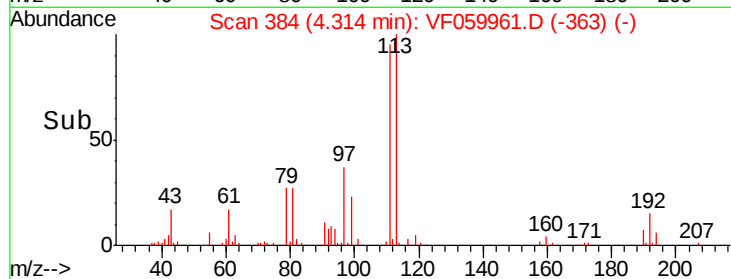
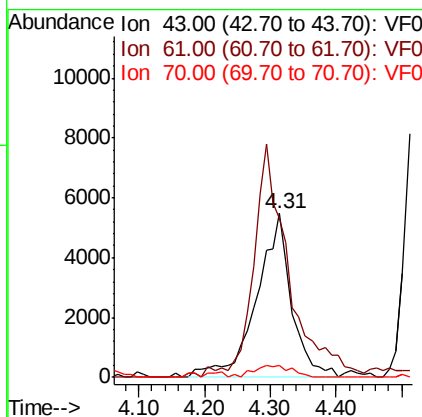
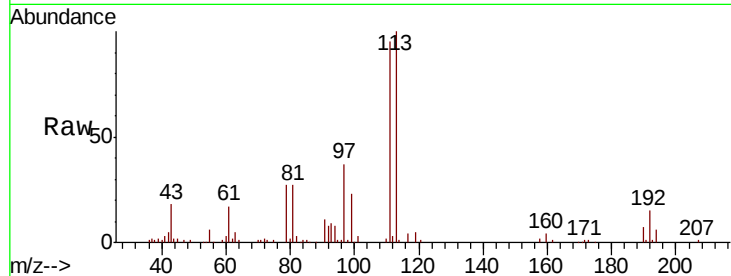
#37
Ethyl Acetate
Concen: 22.91 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
20222	100	97.3	7.4			
		84.3	5.5			
			8.3			

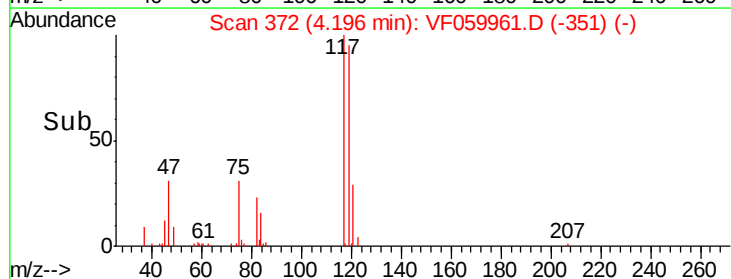
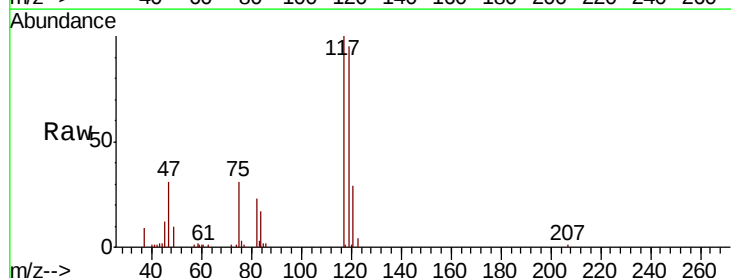
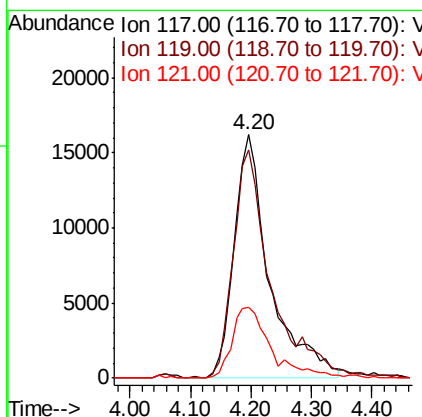
Manual Integrations
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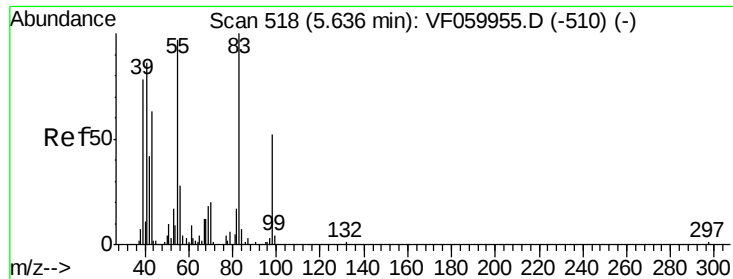
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#38
Carbon Tetrachloride
Concen: 19.33 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	117	119	121	Ratio	Lower	Upper
66398	100	93.9	29.0			
		76.9	24.9			
			37.3			





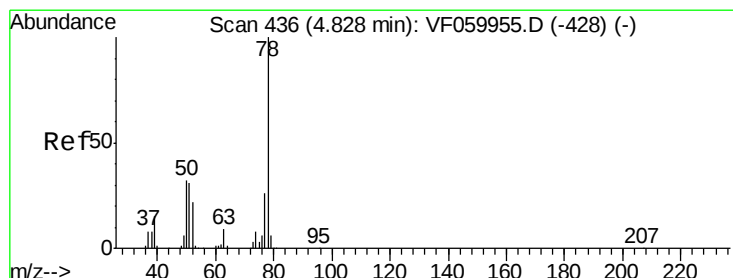
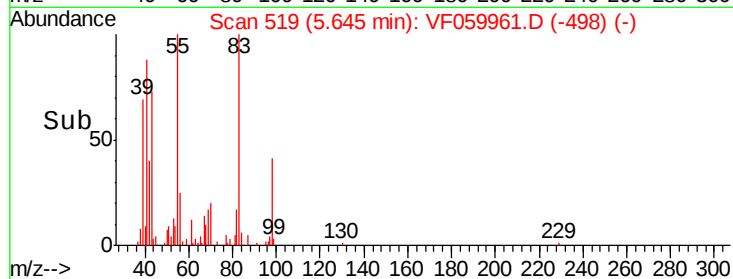
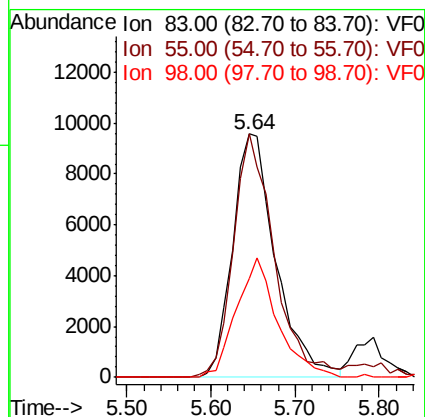
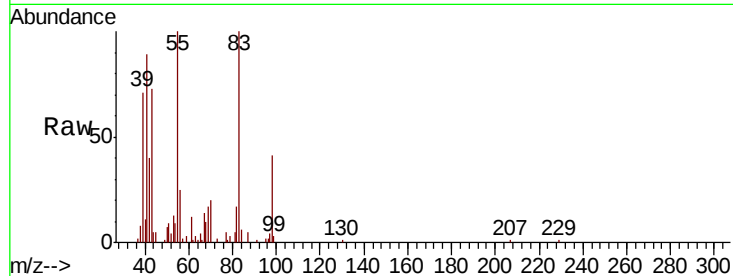
#39
Methvlcvclohexane
Concen: 22.84 ug/l
RT: 5.64 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	100.0	77.4	116.2
98	40.8	41.5	62.3#

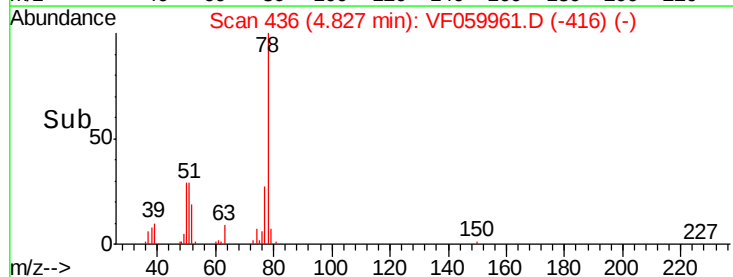
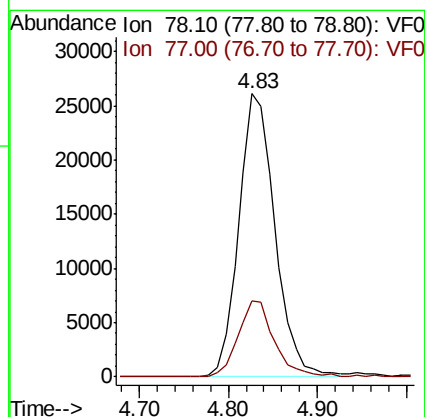
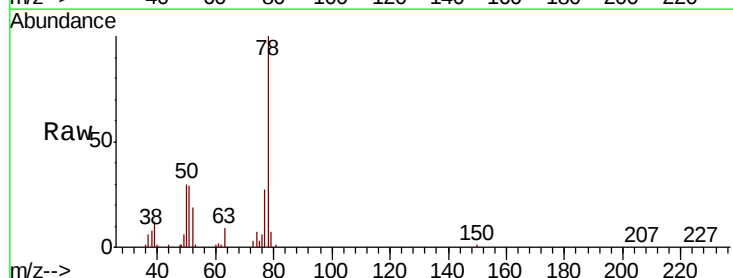
Manual Integrations
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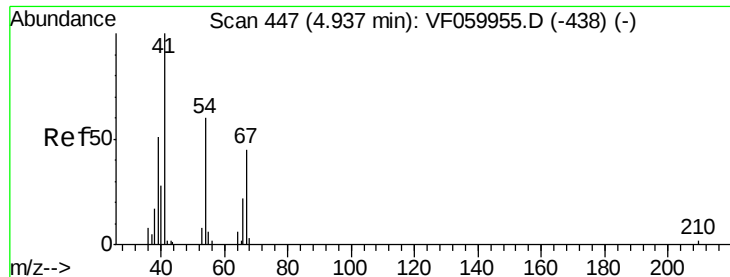
apatel
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#40
Benzene
Concen: 21.02 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.0	21.1	31.7





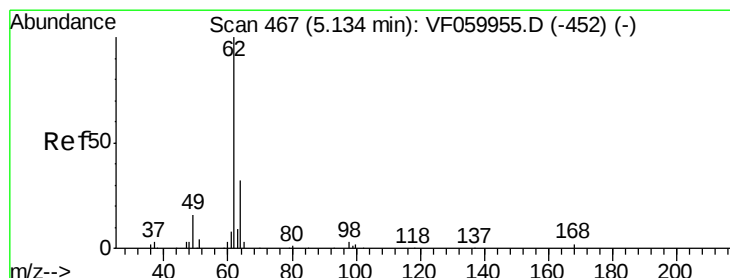
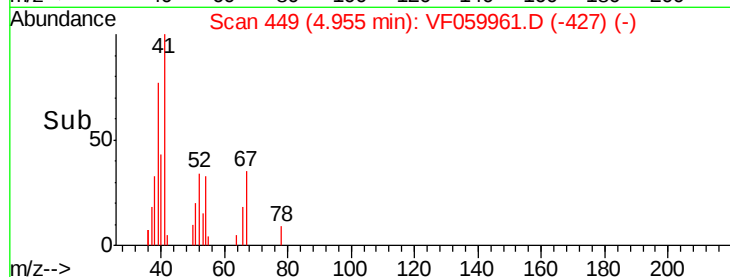
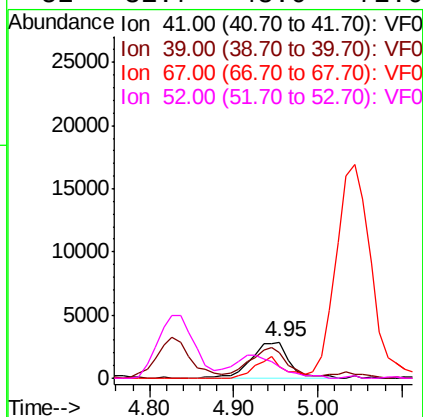
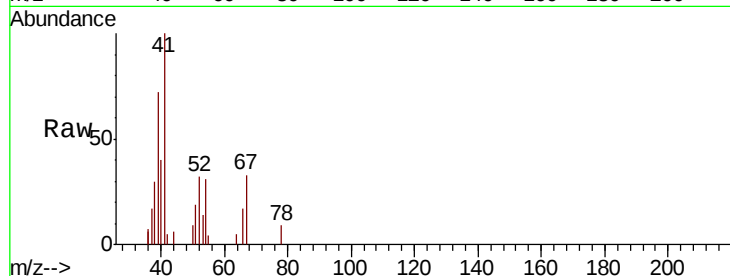
#41
Methacrylonitrile
Concen: 20.83 ug/l
RT: 4.95 min Scan# 449
Delta R.T. 0.02 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.1	75.7	113.5#
67	32.6	36.1	54.1#
52	31.7	48.0	72.0#

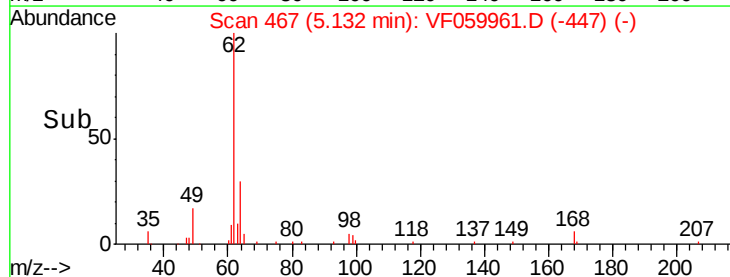
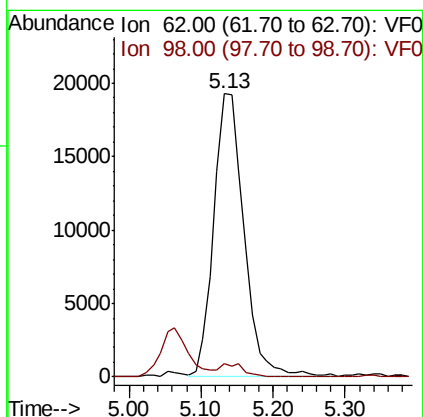
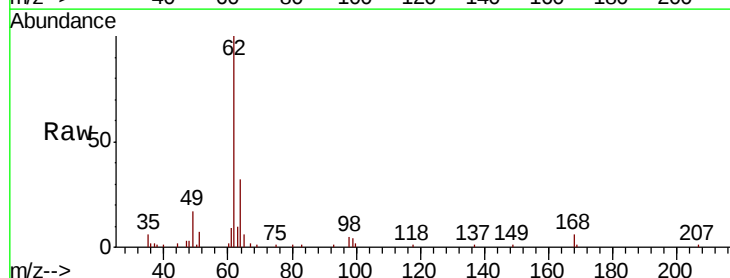
Manual Integrations
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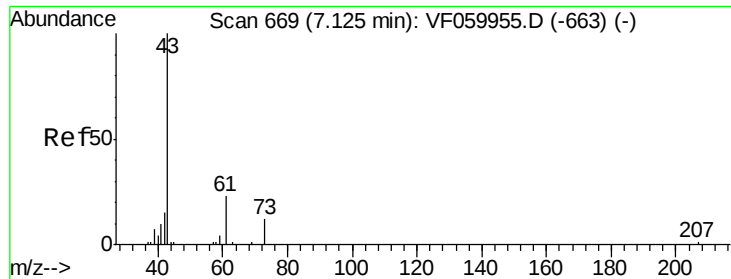
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#42
1,2-Dichloroethane
Concen: 20.21 ug/l
RT: 5.13 min Scan# 467
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.7	0.0	5.0





#43

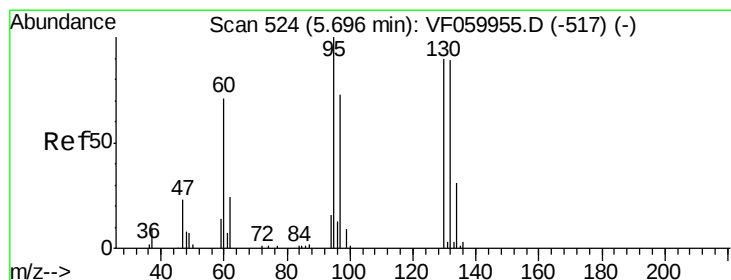
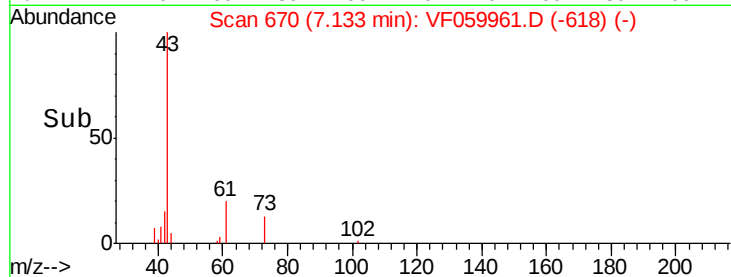
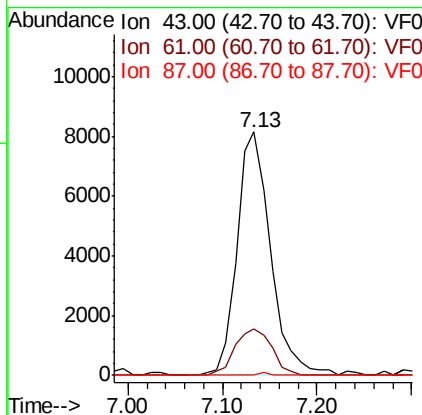
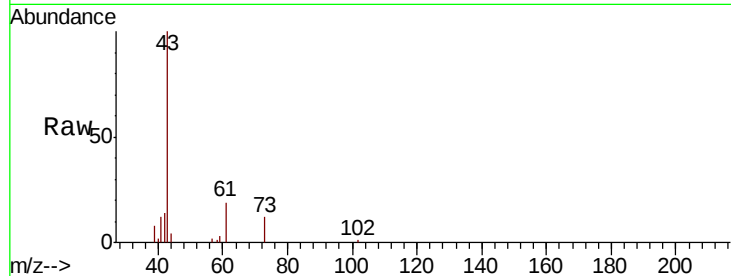
Isopropyl Acetate
 Concen: 20.78 ug/l
 RT: 7.13 min Scan# 670
 Delta R.T. 0.01 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0814SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	18.6	27.8
87	0.0	0.0	0.0

Manual Integrations
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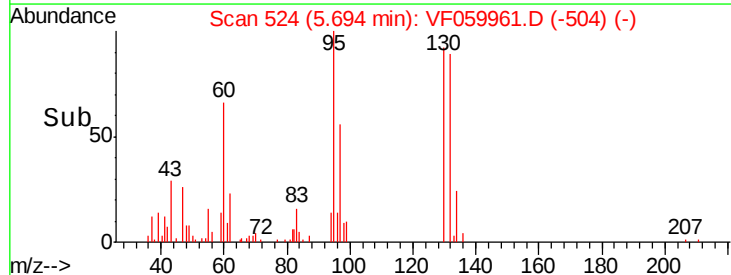
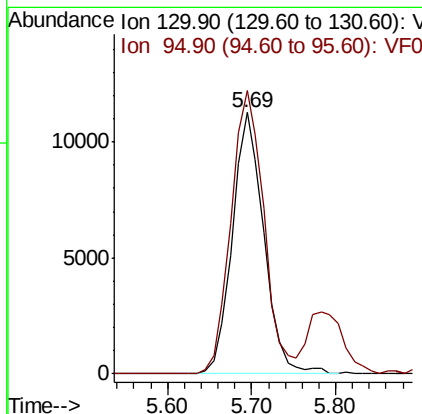
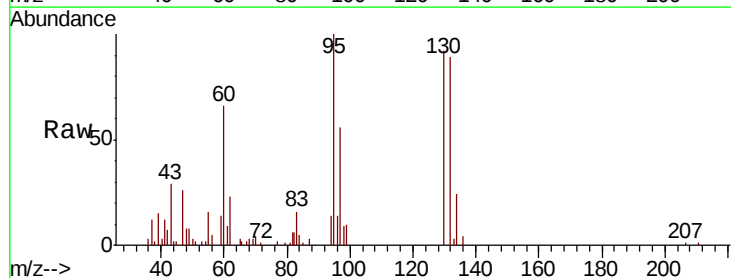
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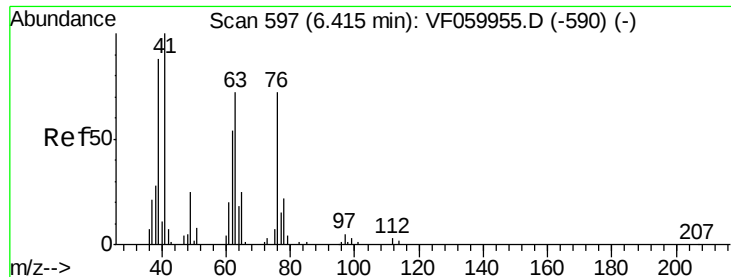


#44

Trichloroethene
 Concen: 21.76 ug/l
 RT: 5.69 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	222.0





#45

1,2-Dichloropropane

Concen: 21.91 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion: 63 Resp: 20236

Ion Ratio Lower Upper

63 100

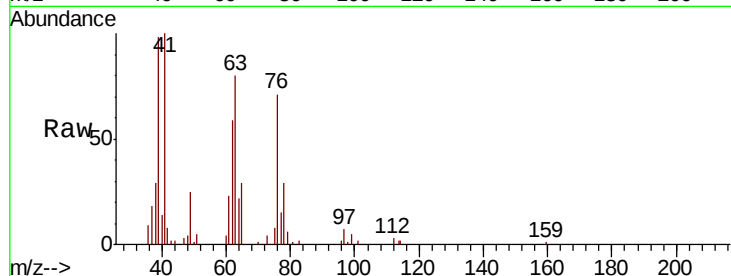
65 36.0 27.8 41.6

Manual Integrations

APPROVED

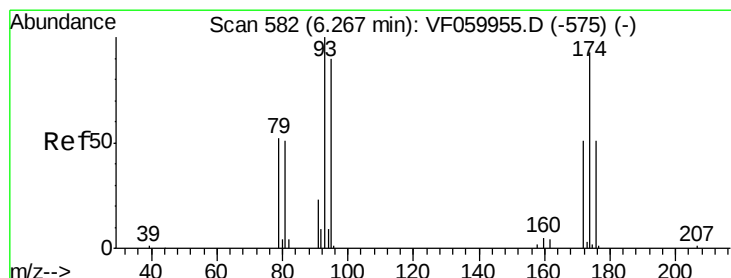
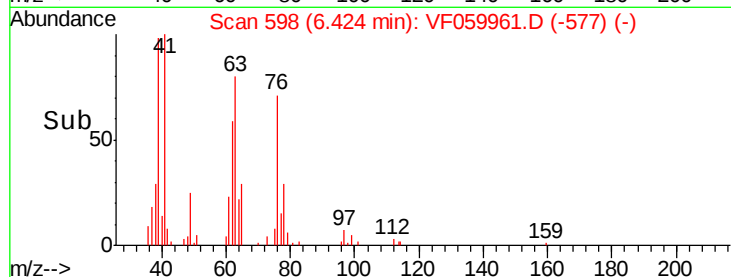
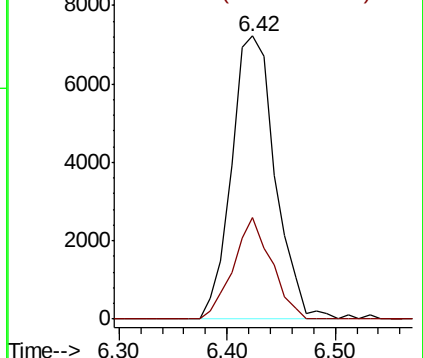
apatel

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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: 20.96 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

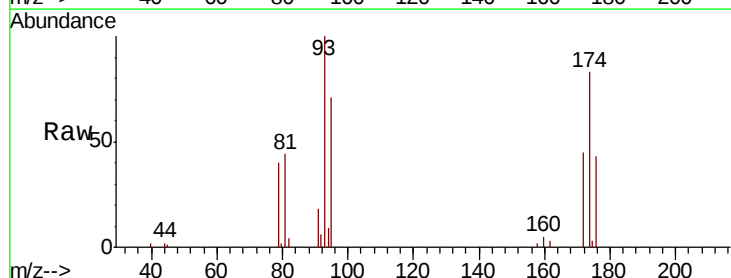
Tgt Ion: 93 Resp: 19094

Ion Ratio Lower Upper

93 100

95 71.4 72.4 108.6#

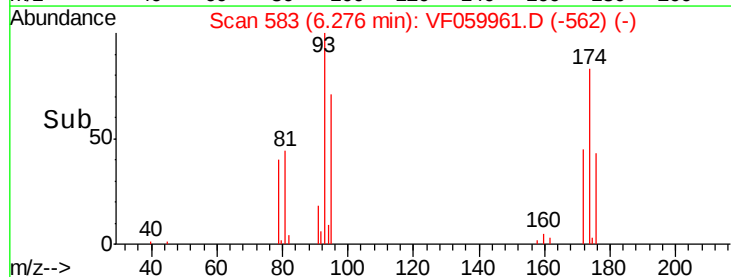
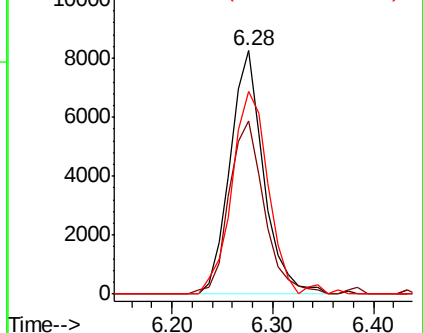
174 86.7 75.9 113.9

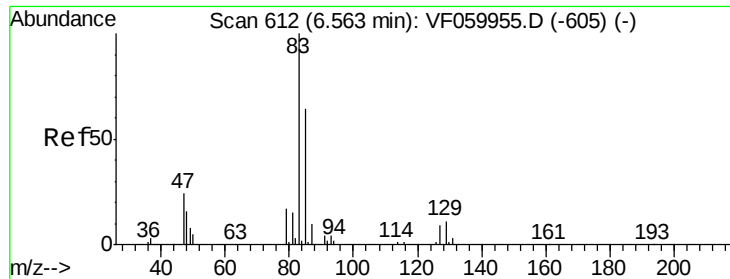


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.01 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

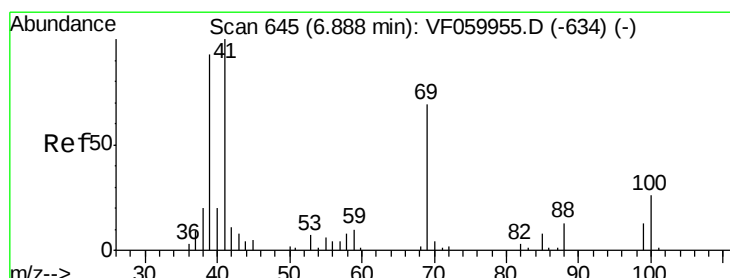
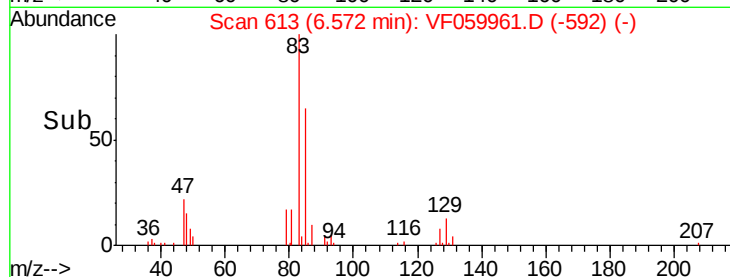
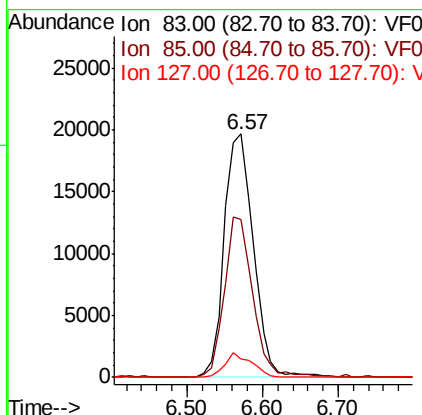
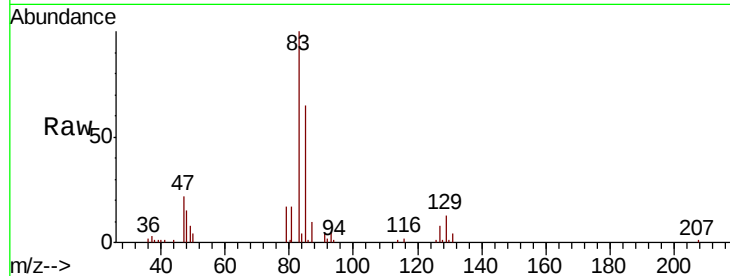
ClientSampleId :

VF0814SBS01

Tot Ion:	83	Resp:	52624
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3
127	7.7	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.50 ug/l

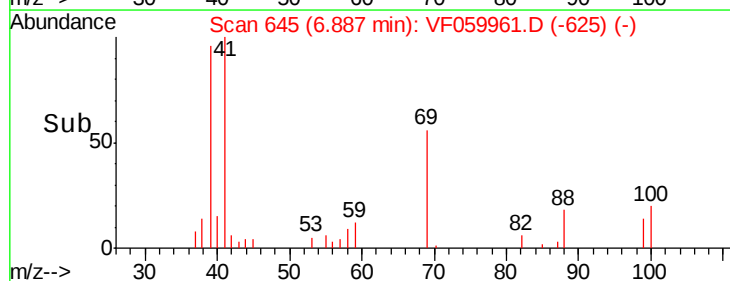
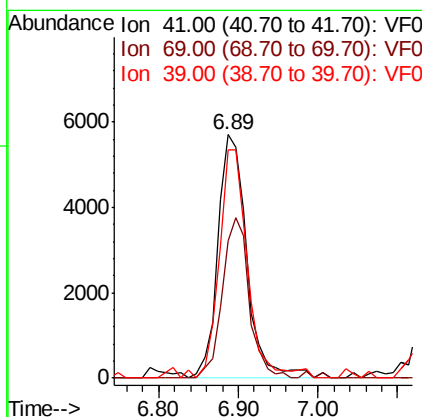
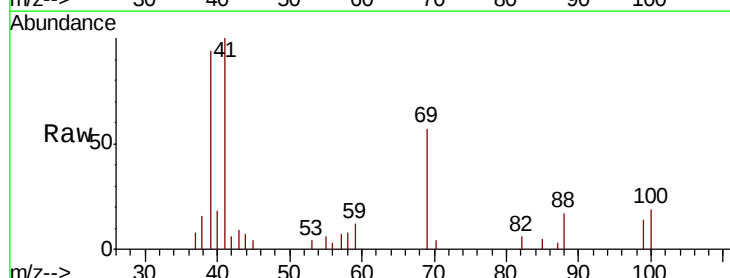
RT: 6.89 min Scan# 645

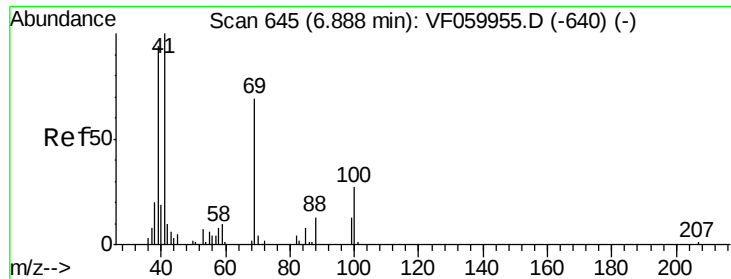
Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tgt Ion:	41	Resp:	14693
Ion	Ratio	Lower	Upper
41	100		
69	56.5	54.8	82.2
39	93.7	75.1	112.7





#49

1,4-Dioxane

Concen: 452.81 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

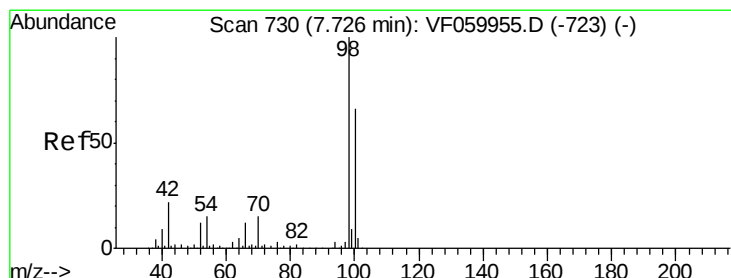
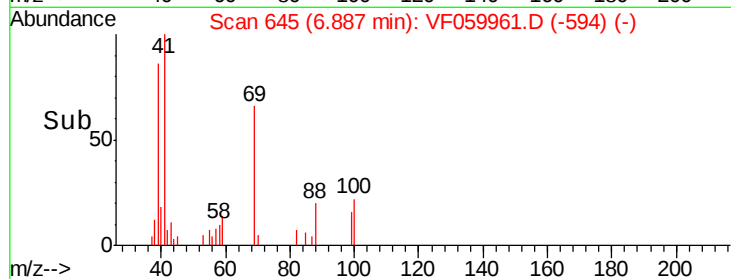
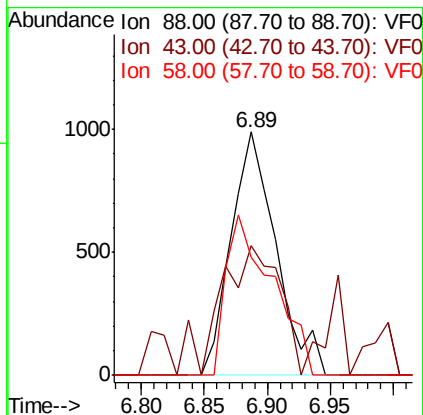
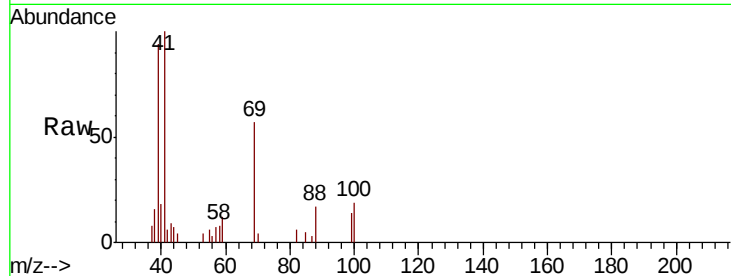
ClientSampleId :

VF0814SBS01

Tot Ion:	88	Resp:	2454
Ion	Ratio	Lower	Upper
88	100		
43	53.2	47.9	71.9
58	48.6	52.0	78.0#

Manual Integrations
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#50

Toluene-d8

Concen: 50.82 ug/l

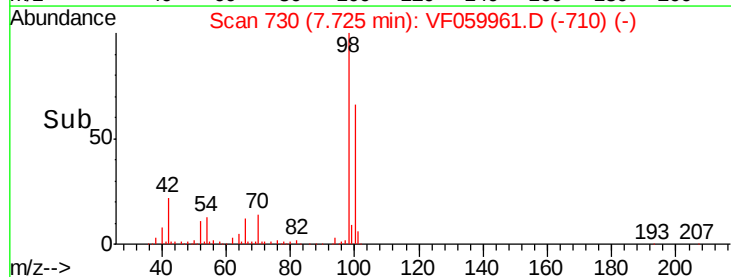
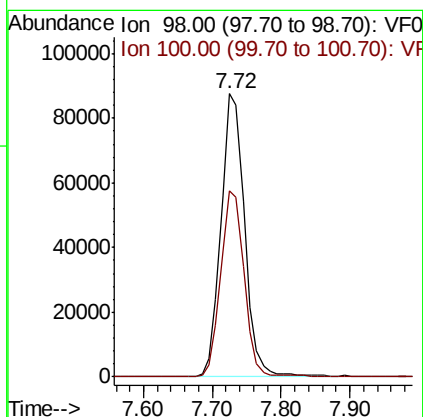
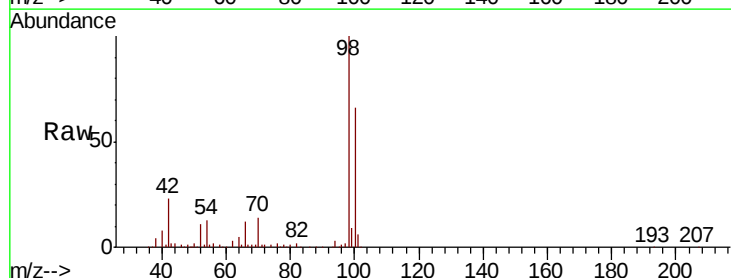
RT: 7.72 min Scan# 730

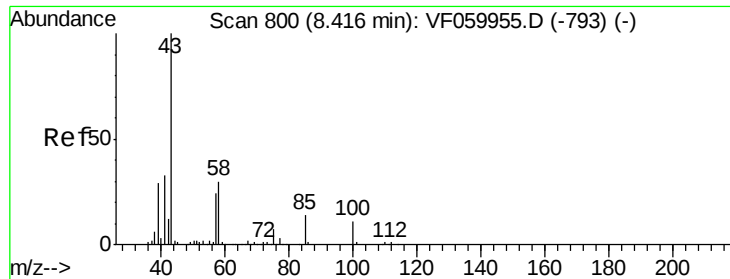
Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tgt Ion:	98	Resp:	208506
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 107.80 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion: 43 Resp: 100488

Ion Ratio Lower Upper

43 100

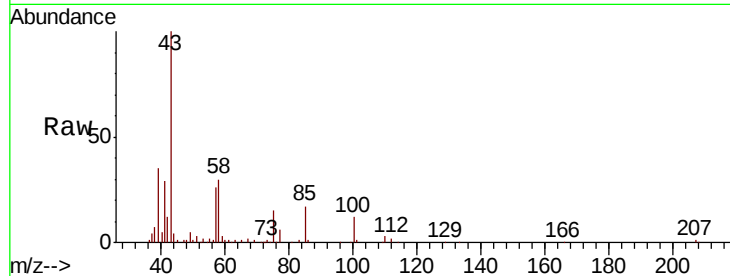
58 30.3 24.2 36.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

40000

30000

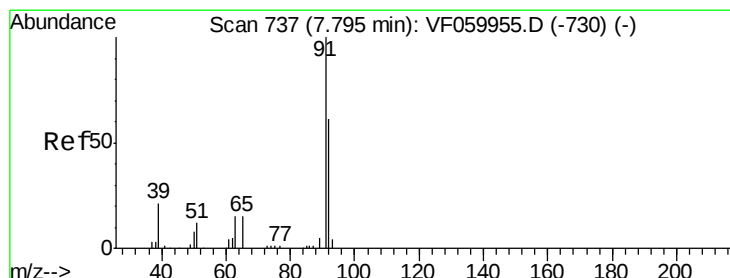
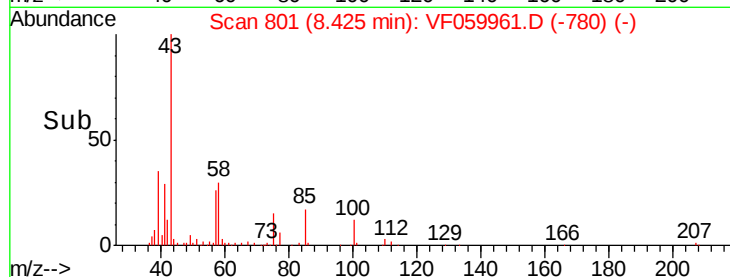
20000

10000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 20.33 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059961.D

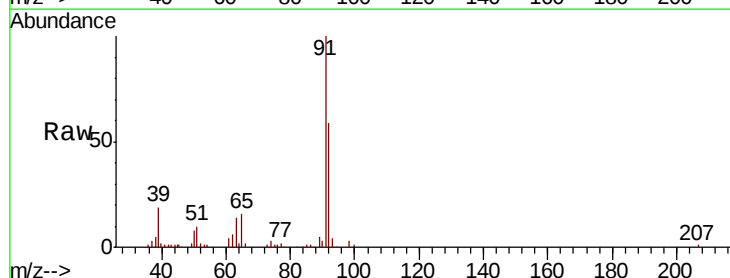
Acq: 14 Aug 2018 23:47

Tgt Ion: 92 Resp: 52584

Ion Ratio Lower Upper

92 100

91 170.6 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

40000

30000

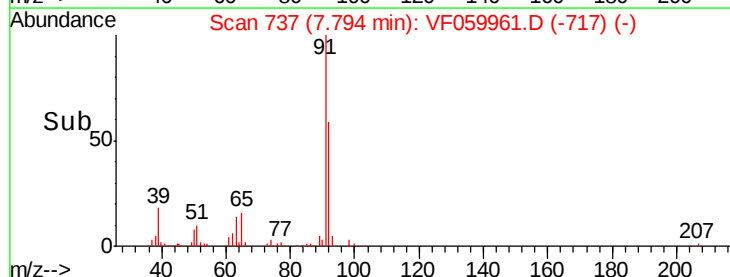
20000

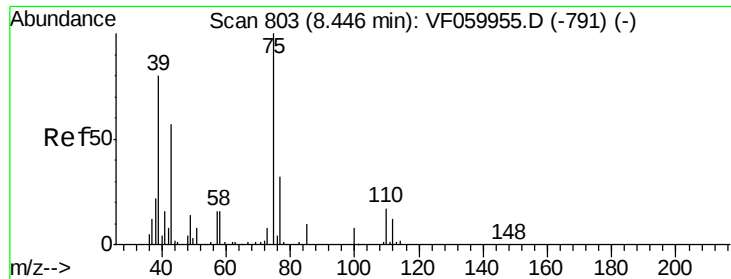
10000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.42 ug/l

RT: 8.44 min Scan# 803

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tot Ion: 75 Resp: 43914

Ion Ratio Lower Upper

75 100

77 29.3 25.8 38.6

Instrument :

MSVOA_F

ClientSampleId :

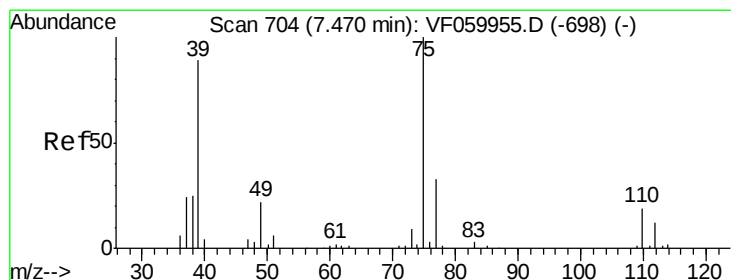
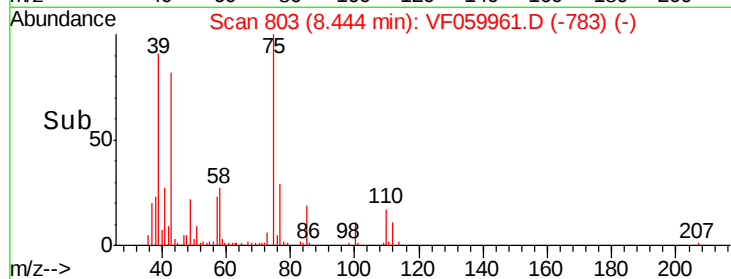
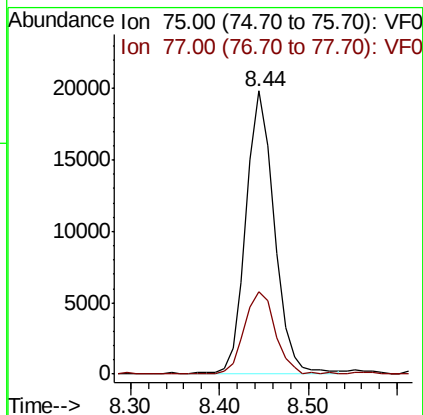
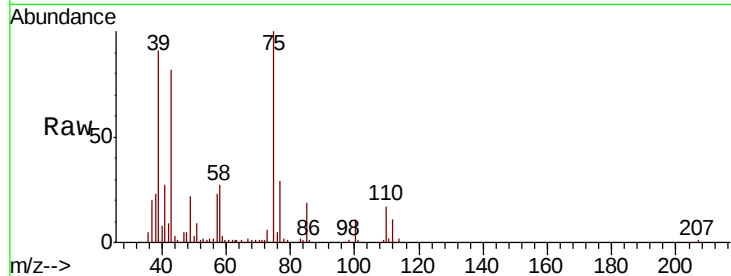
VF0814SBS01

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#54

cis-1,3-Dichloropropene

Concen: 21.20 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

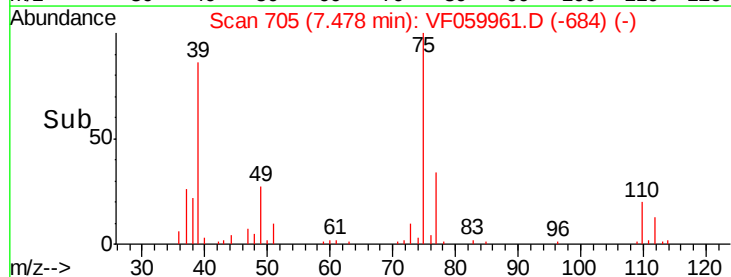
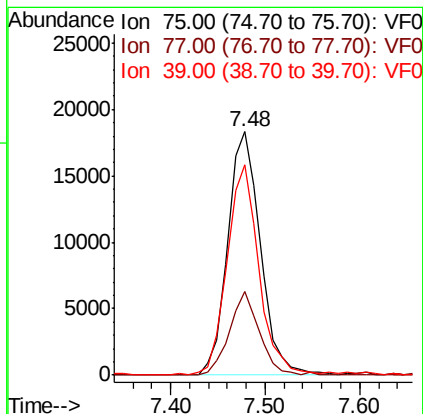
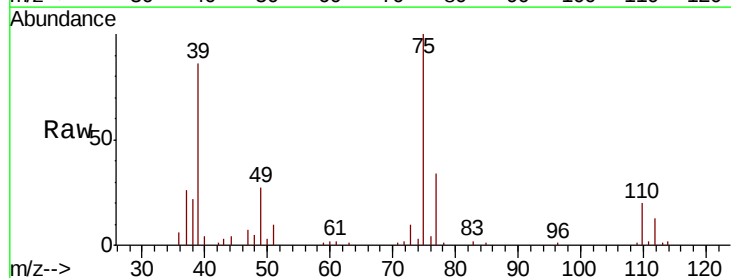
Tgt Ion: 75 Resp: 43876

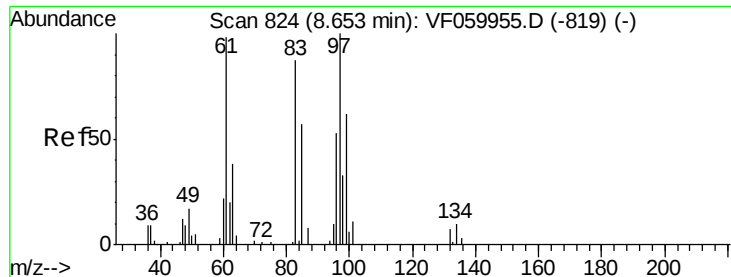
Ion Ratio Lower Upper

75 100

77 34.3 26.1 39.1

39 86.2 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 20.04 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

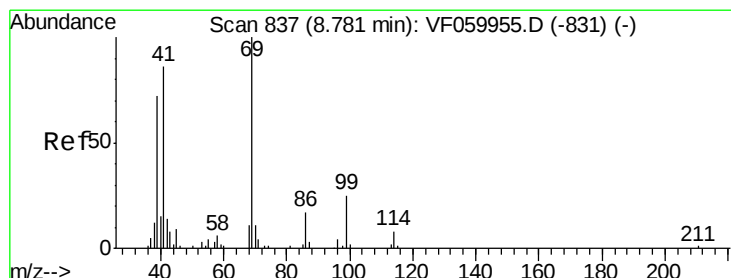
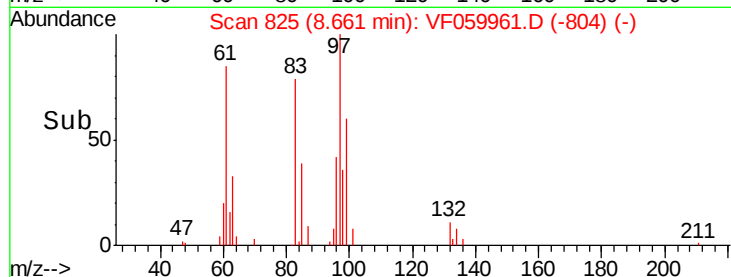
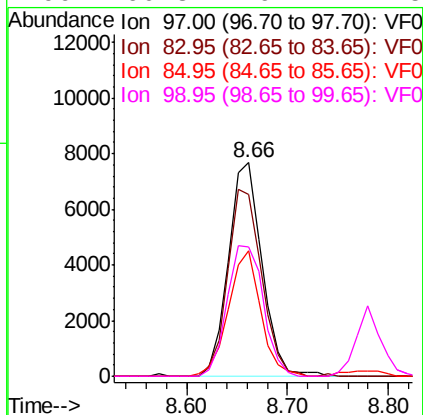
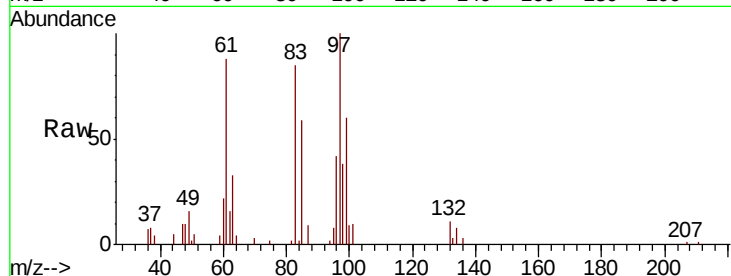
ClientSampleId :

VF0814SBS01

Tot Ion:	97	Resp:	17710
Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.0	105.0
85	59.0	45.2	67.8
99	60.3	49.7	74.5

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.64 ug/l

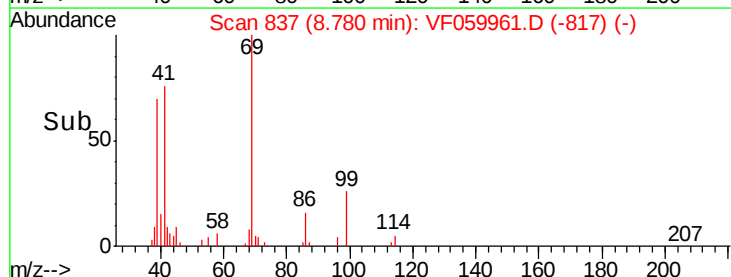
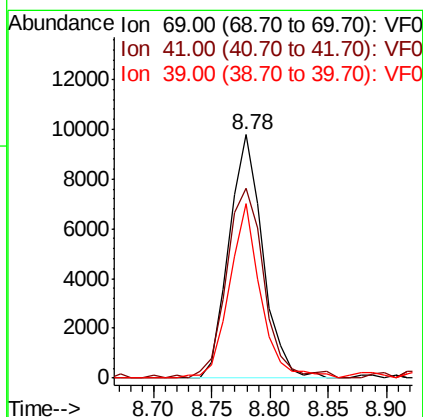
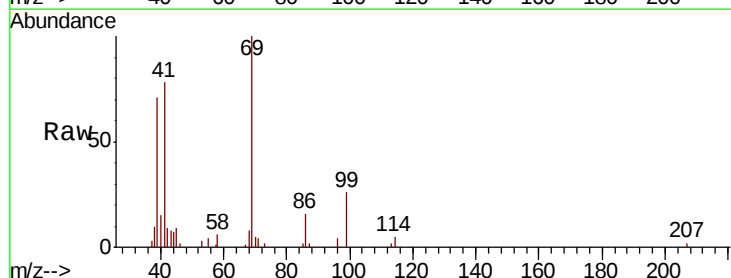
RT: 8.78 min Scan# 837

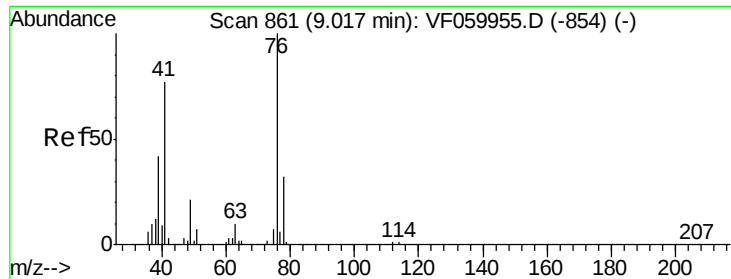
Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tgt Ion:	69	Resp:	19600
Ion	Ratio	Lower	Upper
69	100		
41	77.9	68.7	103.1
39	71.4	58.5	87.7





#57

1,3-Dichloropropane

Concen: 20.02 ug/l

RT: 9.02 min Scan# 861

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion: 76 Resp: 32598

Ion Ratio Lower Upper

76 100

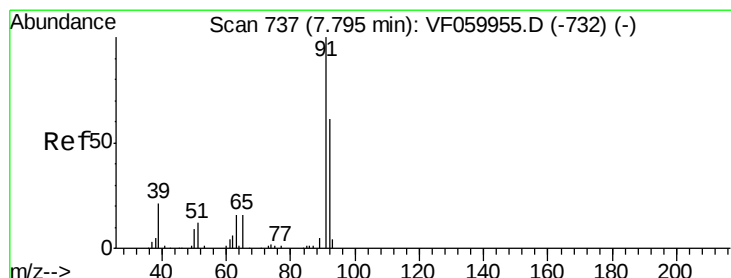
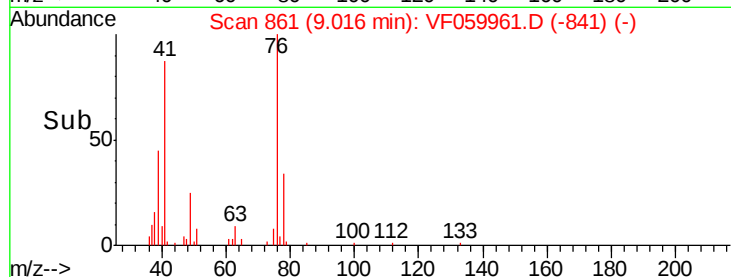
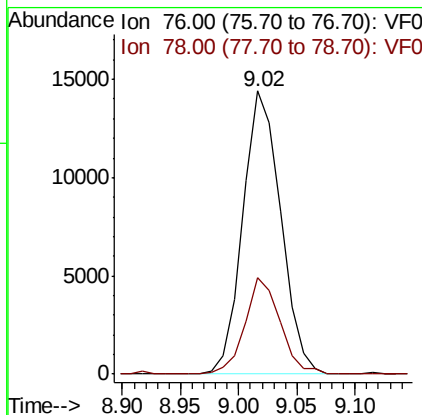
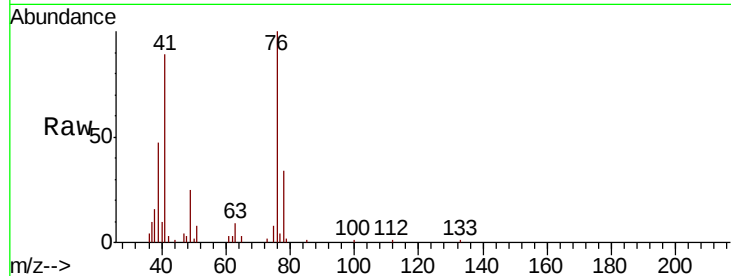
78 34.3 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 93.33 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059961.D

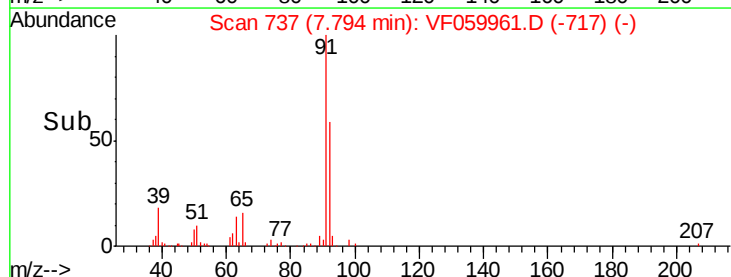
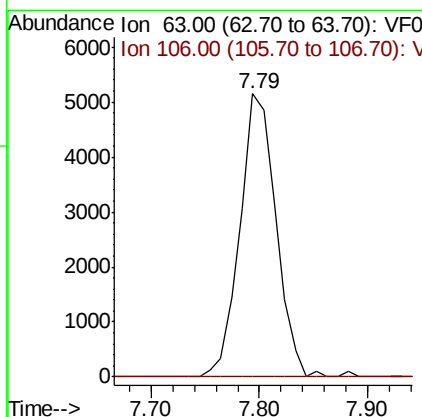
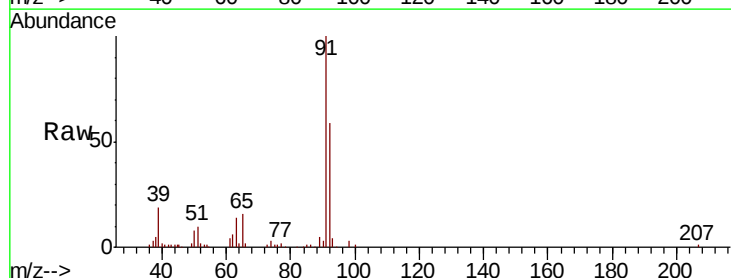
Acq: 14 Aug 2018 23:47

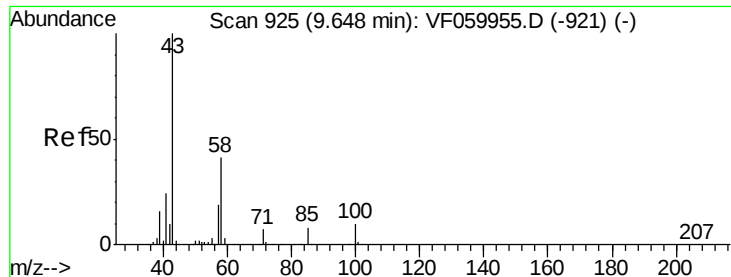
Tgt Ion: 63 Resp: 11920

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





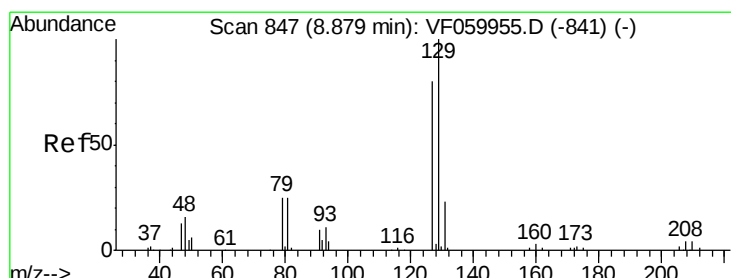
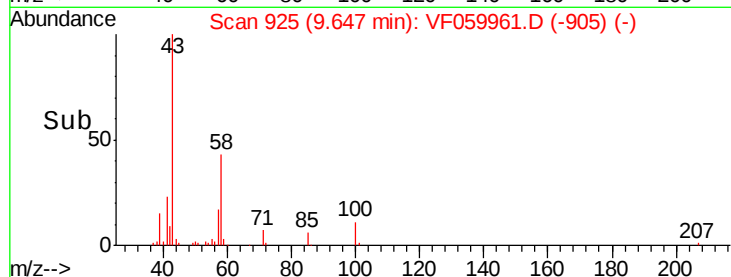
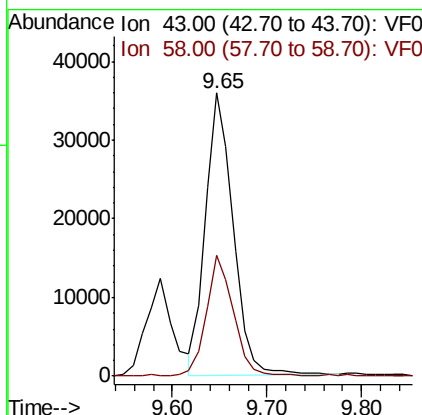
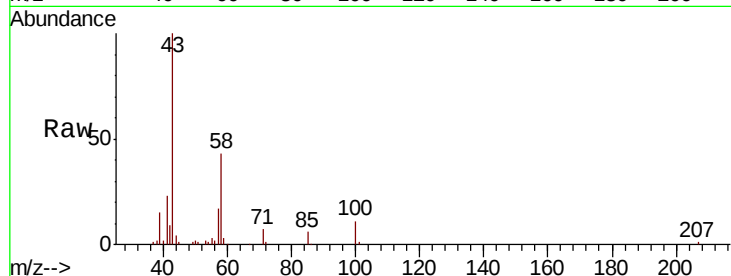
#59
2-Hexanone
Concen: 107.46 ug/l
RT: 9.65 min Scan# 925
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion: 43 Resp: 73063
Ion Ratio Lower Upper
43 100
58 42.6 19.4 58.2

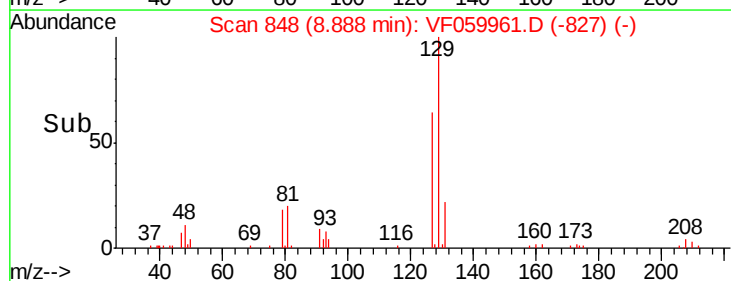
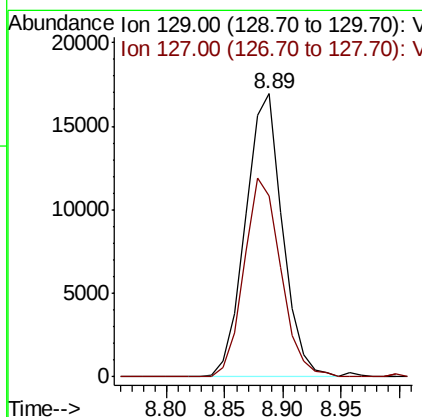
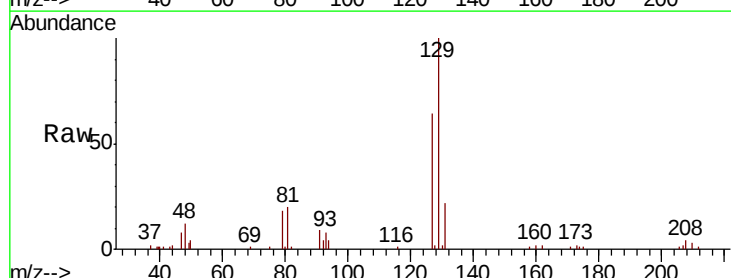
Manual Integrations
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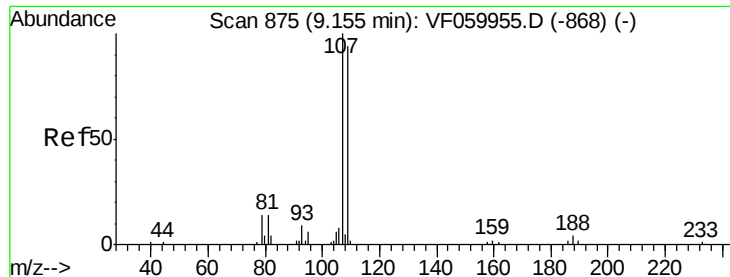
apatel
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#60
Dibromochloromethane
Concen: 21.30 ug/l
RT: 8.89 min Scan# 848
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion: 129 Resp: 37257
Ion Ratio Lower Upper
129 100
127 66.0 40.0 119.9





#61

1,2-Dibromoethane

Concen: 21.25 ug/l

RT: 9.15 min Scan# 875

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion: 107 Resp: 23426

Ion Ratio Lower Upper

107 100

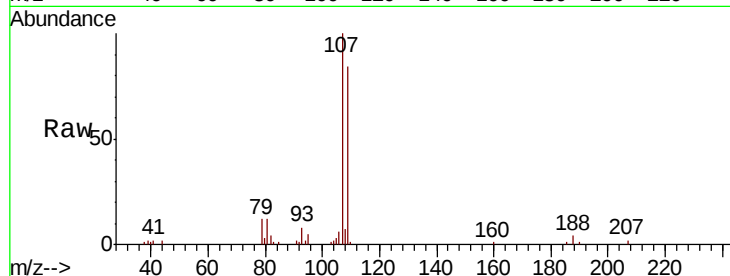
109 84.3 75.0 112.6

Manual Integrations

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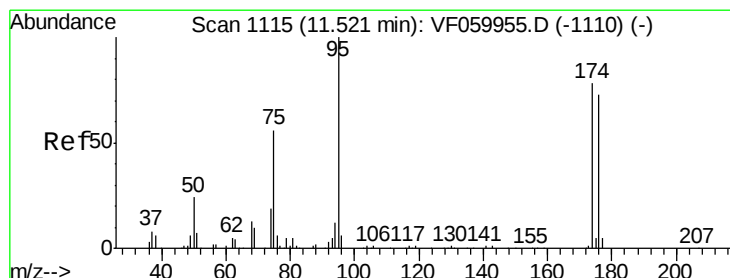
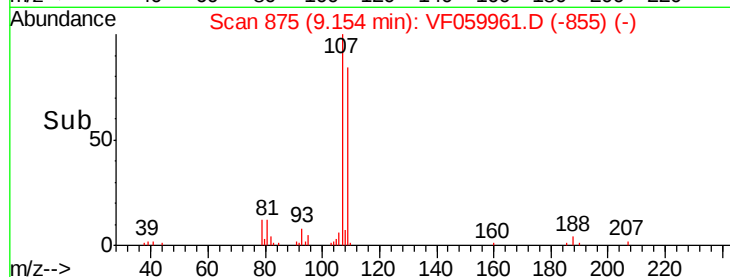
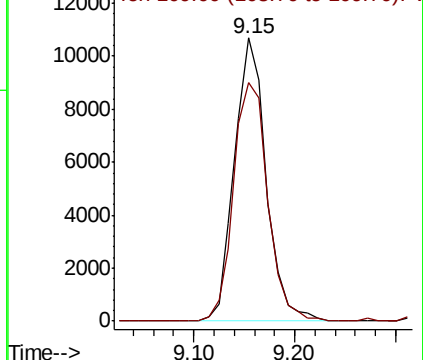
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.41 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

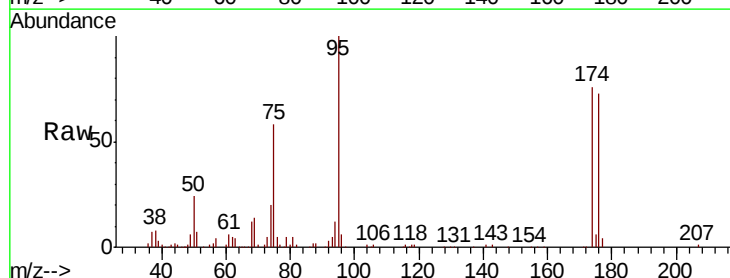
Tgt Ion: 95 Resp: 111368

Ion Ratio Lower Upper

95 100

174 75.5 0.0 156.4

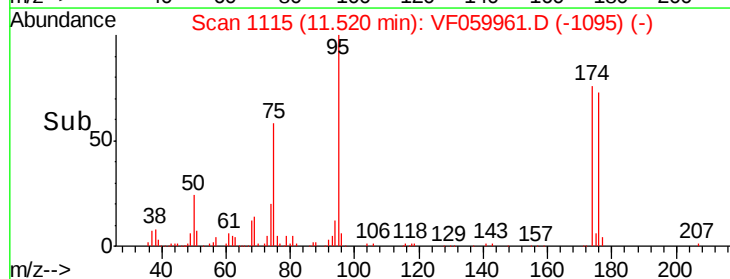
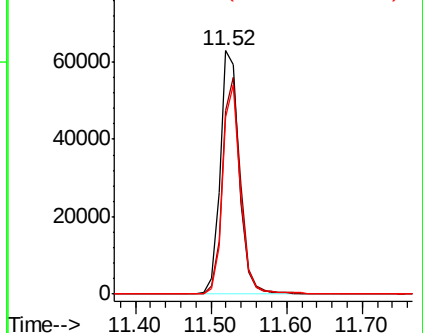
176 72.7 0.0 146.8

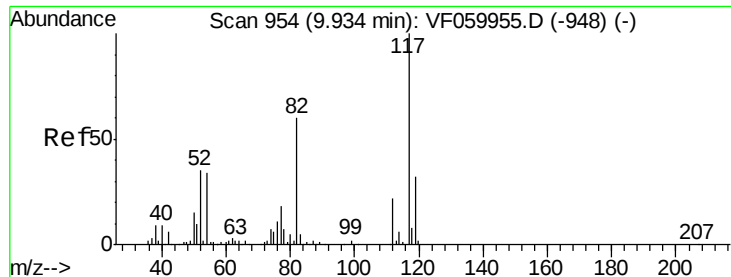


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





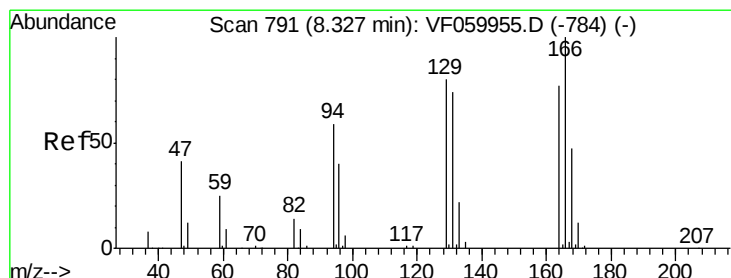
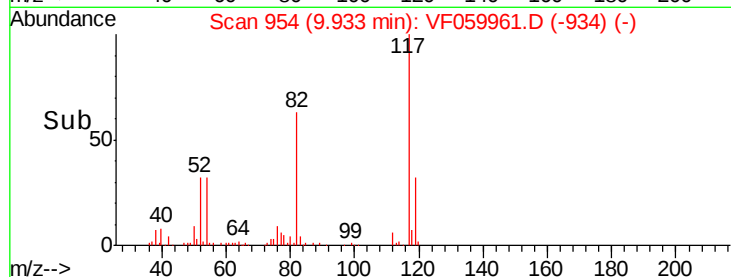
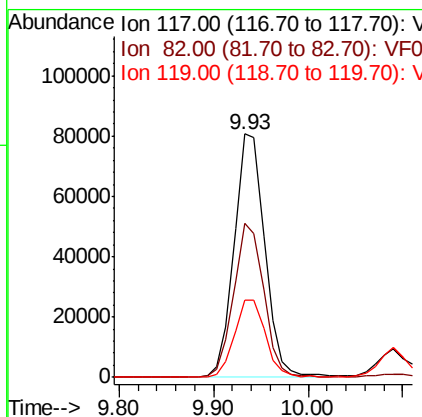
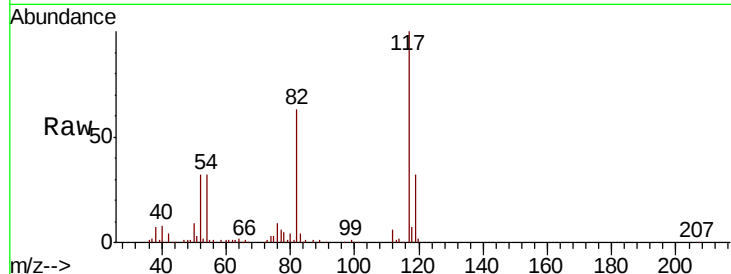
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	181713		
82	63.1	48.3	72.5	
119	31.8	25.7	38.5	

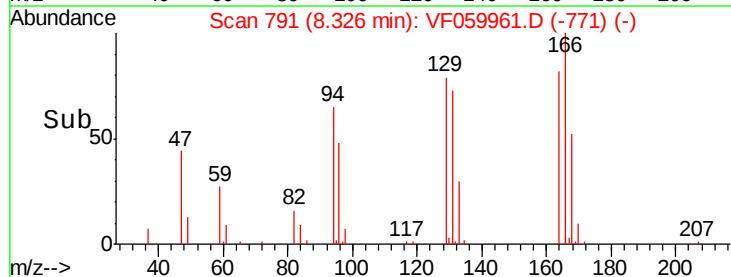
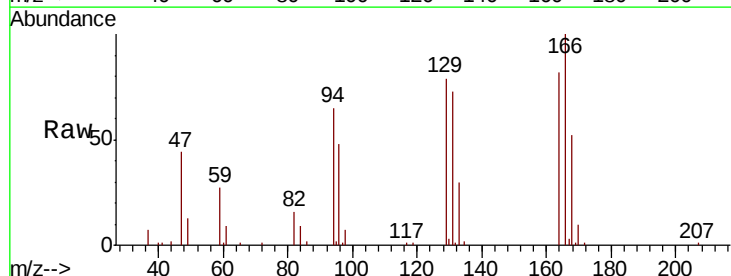
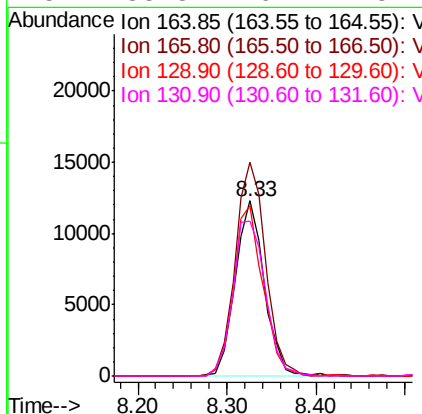
Manual Integrations
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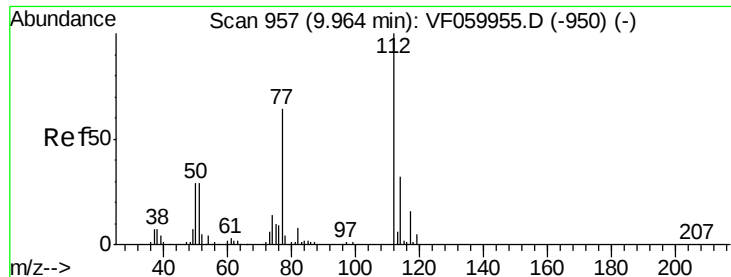
apatel
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#64
Tetrachloroethene
Concen: 19.77 ug/l
RT: 8.33 min Scan# 791
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	27969		
166	122.0	103.4	155.2	
129	97.0	82.2	123.4	
131	88.8	76.7	115.1	





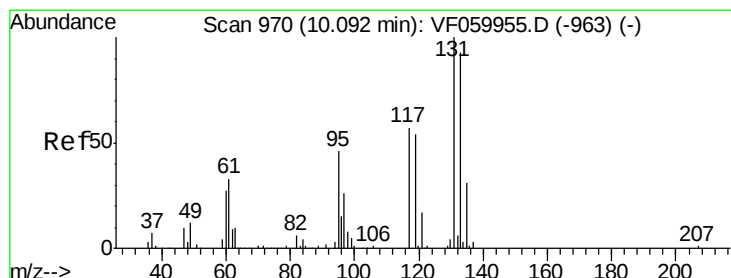
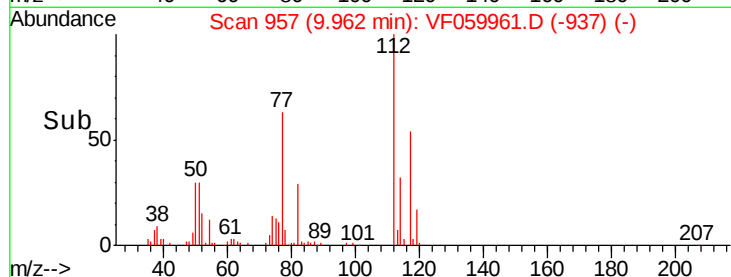
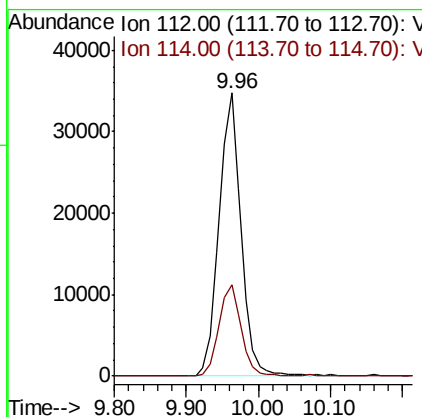
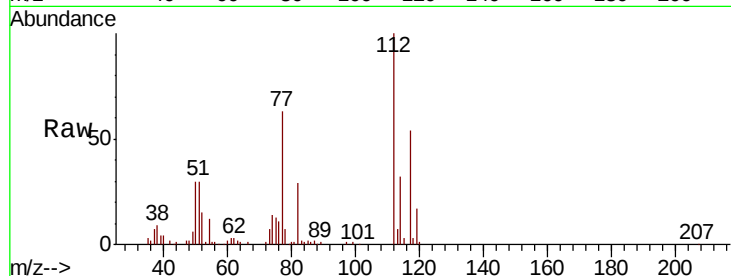
#65
Chlorobenzene
Concen: 20.82 ug/l
RT: 9.96 min Scan# 957
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

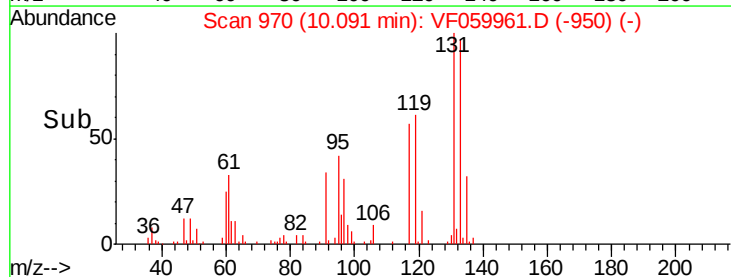
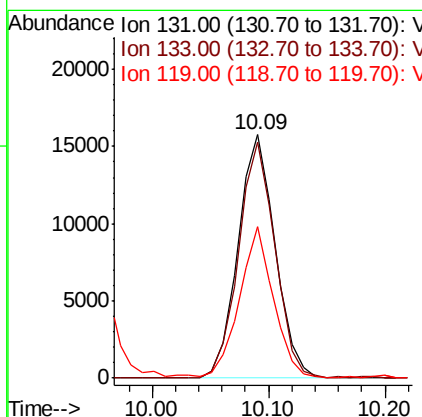
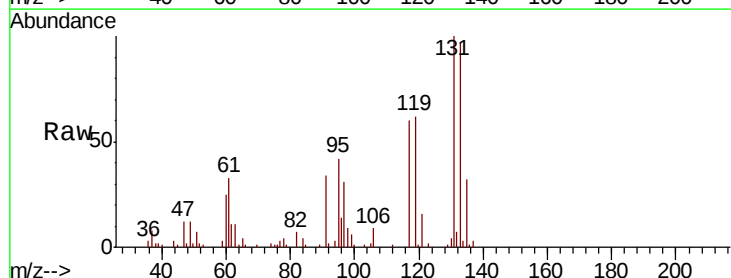
Manual Integrations
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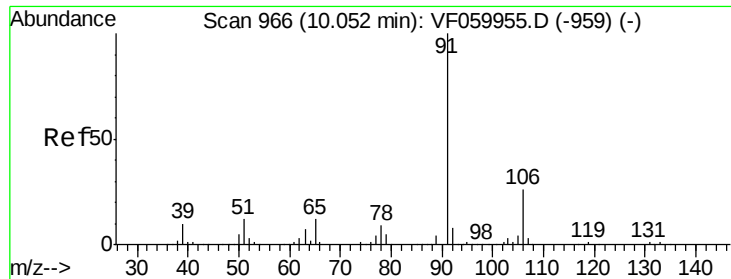
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.44 ug/l
RT: 10.09 min Scan# 970
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	46.4	139.1
119	62.2	27.2	81.5





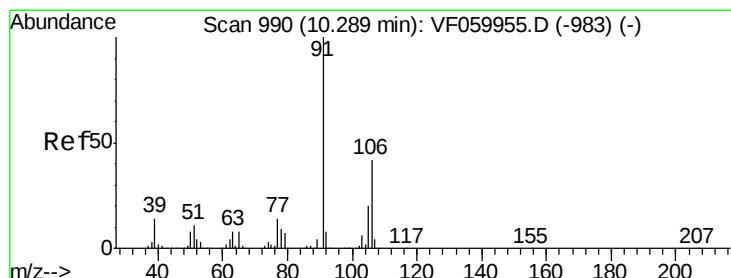
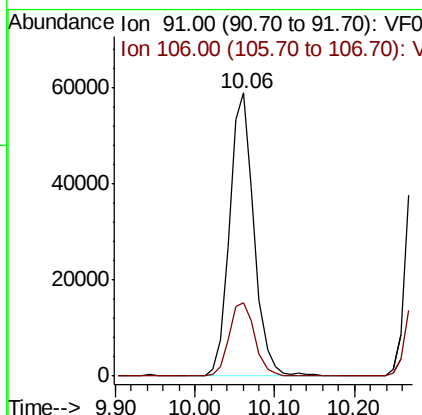
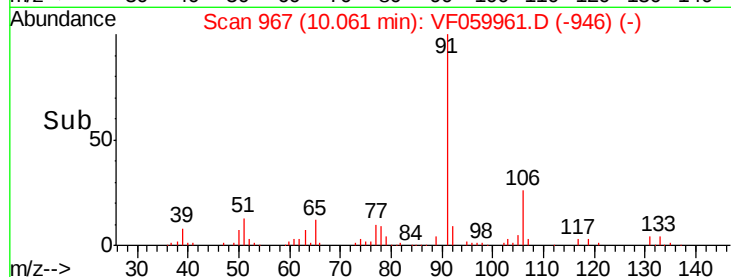
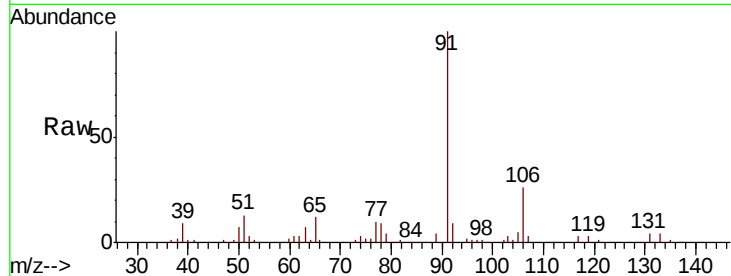
#67
Ethyl Benzene
Concen: 20.39 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion: 91 Resp: 126411
Ion Ratio Lower Upper
91 100
106 26.1 20.7 31.1

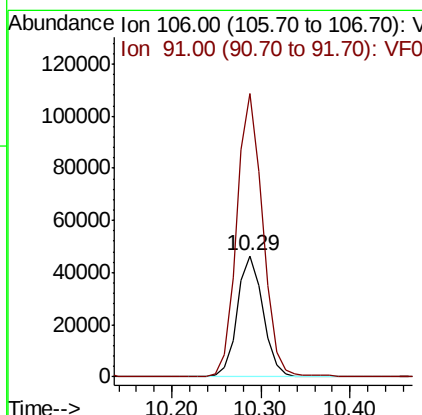
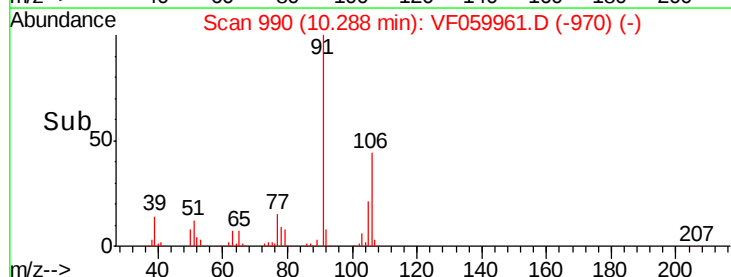
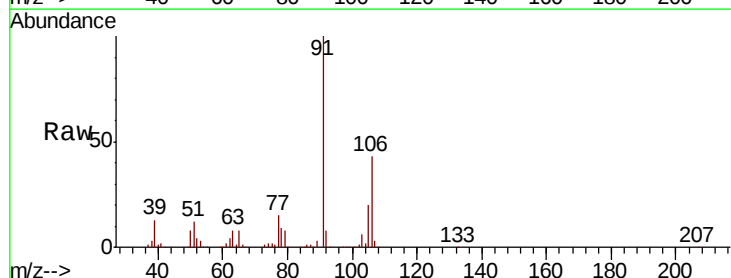
Manual Integrations
APPROVED

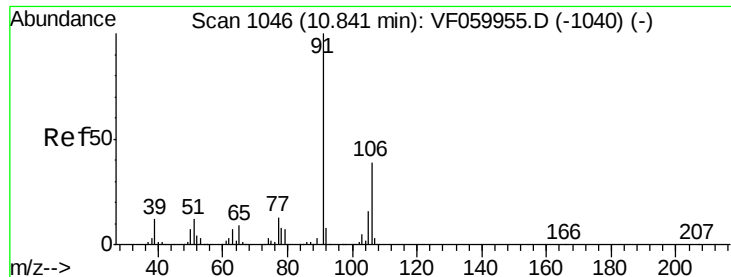
apatel
8/16/2018 12:17:08 PM



#68
m/p-Xylenes
Concen: 44.88 ug/l
RT: 10.29 min Scan# 990
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion:106 Resp: 93581
Ion Ratio Lower Upper
106 100
91 233.7 191.8 287.8





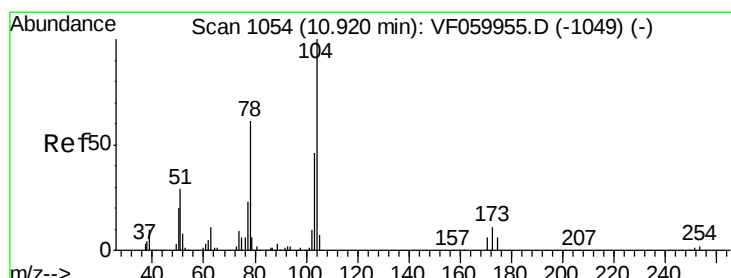
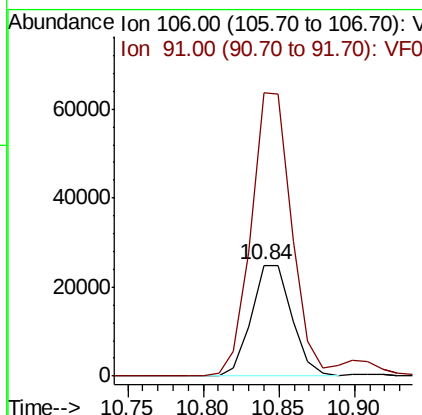
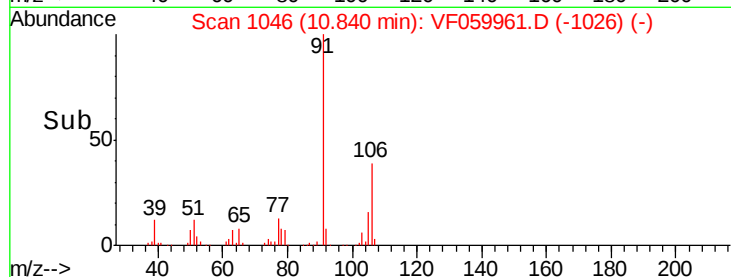
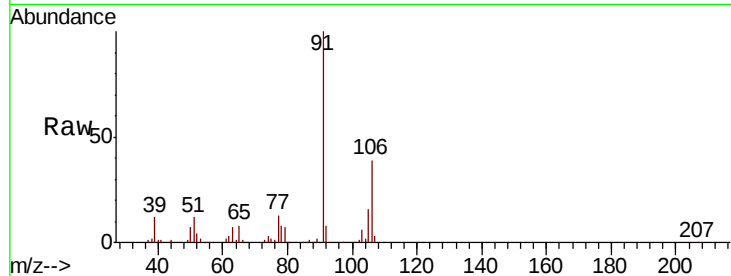
#69
o-Xylene
Concen: 20.77 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion:106 Resp: 47035
Ion Ratio Lower Upper
106 100
91 255.7 126.8 380.6

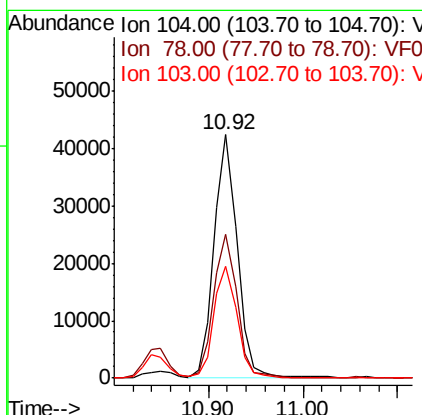
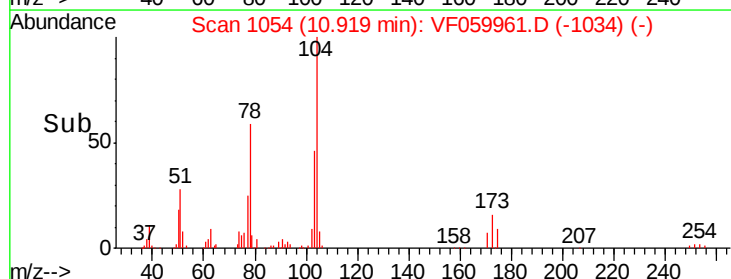
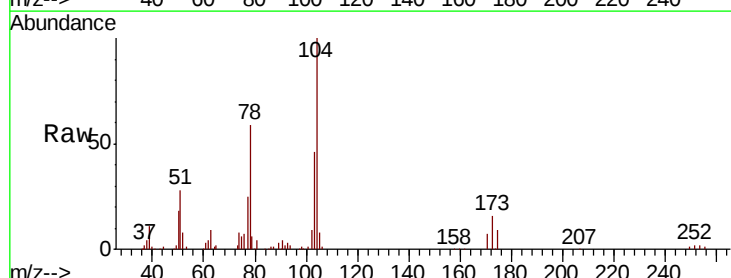
Manual Integrations
APPROVED

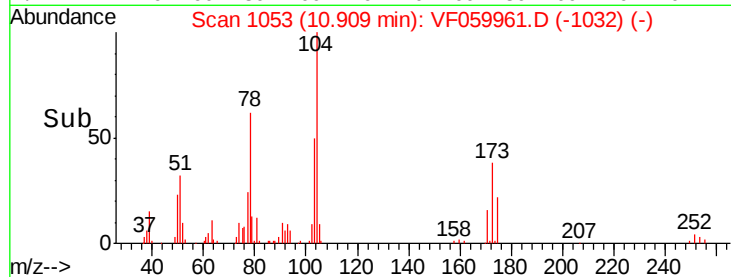
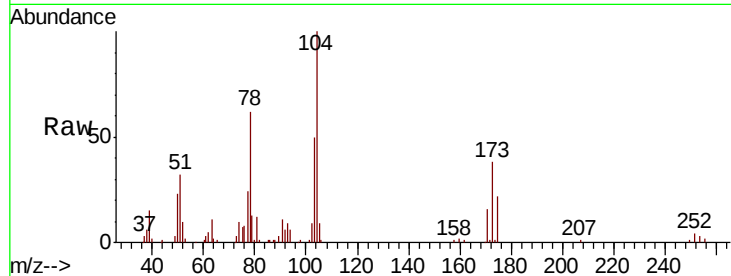
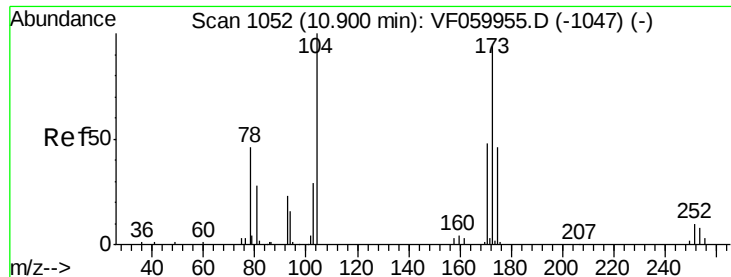
apatel
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#70
Styrene
Concen: 21.60 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion:104 Resp: 72366
Ion Ratio Lower Upper
104 100
78 59.0 49.2 73.8
103 45.8 37.4 56.0





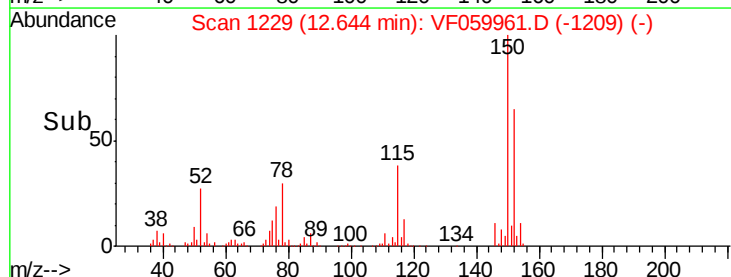
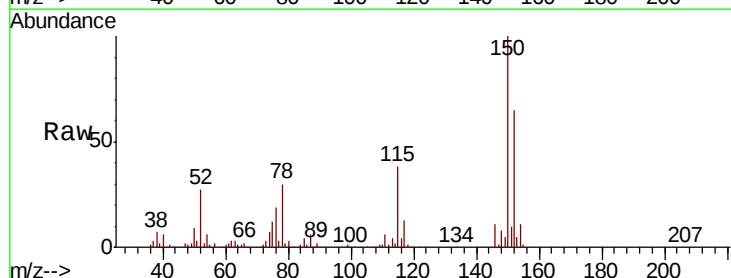
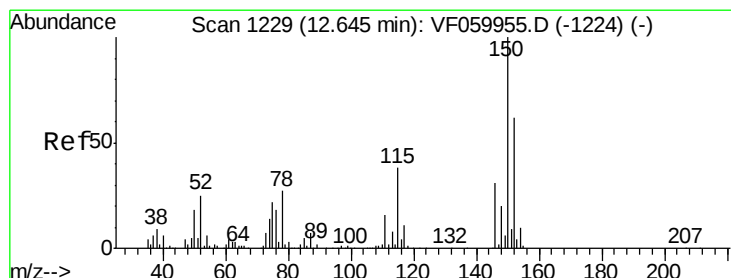
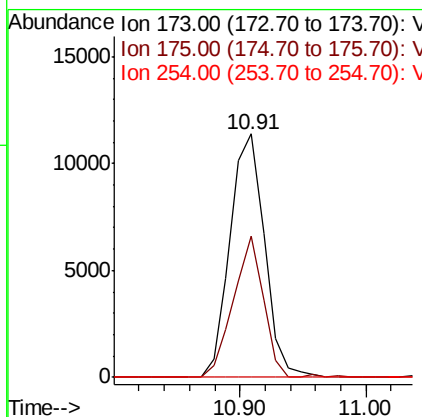
#71
Bromoform
Concen: 20.42 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tot Ion	Ratio	Lower	Upper
173	100		
175	57.0	24.6	73.6
254	0.0	0.0	0.0

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

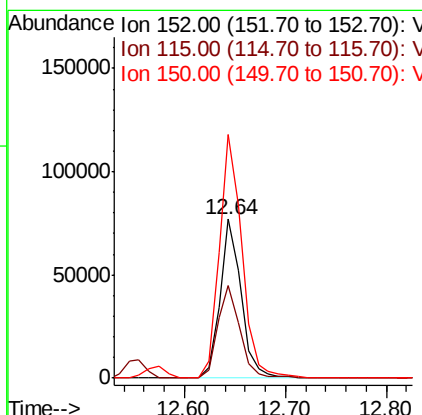
Manual Integrations
APPROVED

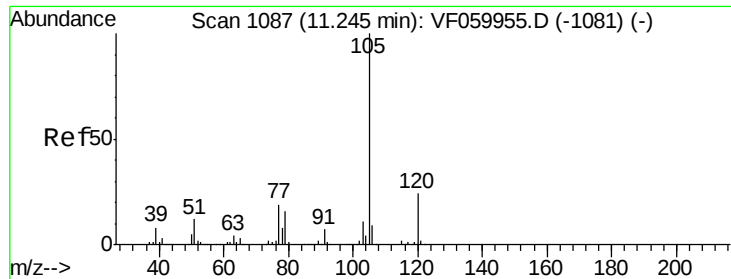
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	31.4	94.0
150	153.2	0.0	326.2





#73

Isopropylbenzene

Concen: 21.76 ug/l

RT: 11.24 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion:105 Resp: 154216

Ion Ratio Lower Upper

105 100

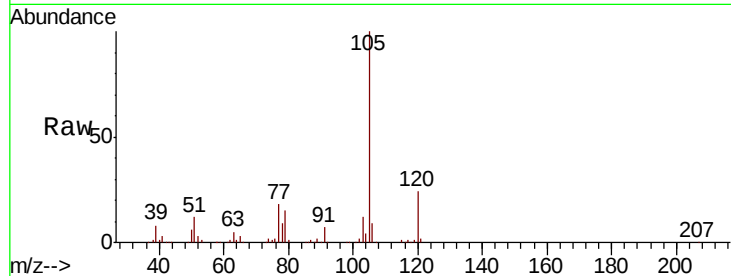
120 24.0 11.9 35.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

100000

80000

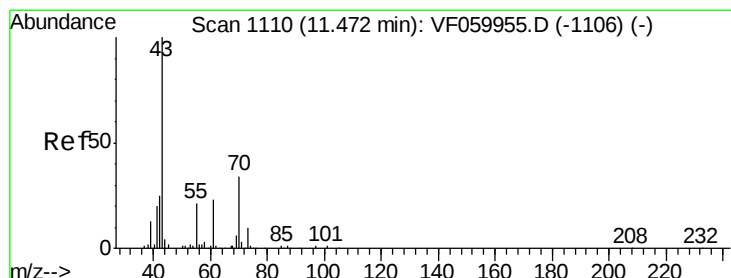
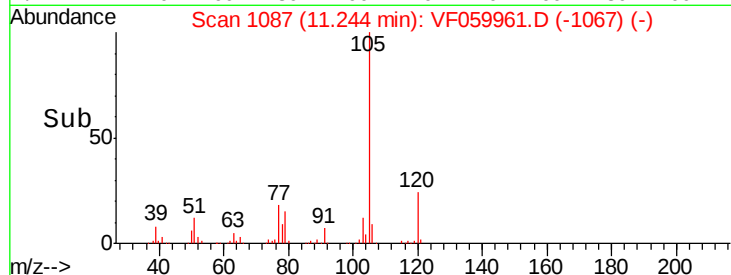
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 20.38 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tgt Ion: 43 Resp: 31832

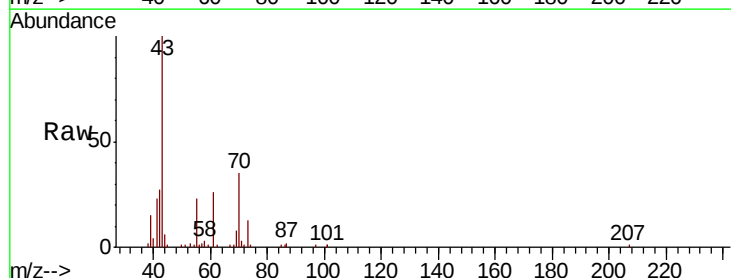
Ion Ratio Lower Upper

43 100

70 35.2 26.9 40.3

55 22.9 16.9 25.3

61 25.6 18.1 27.1



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

30000

25000

20000

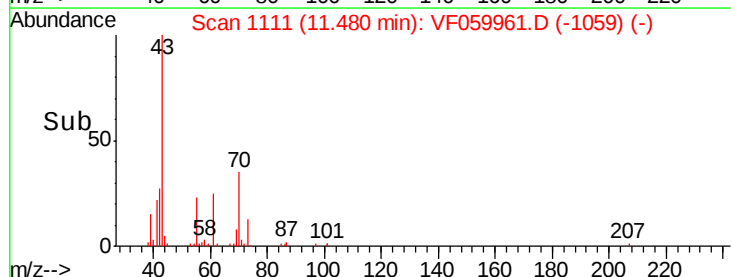
15000

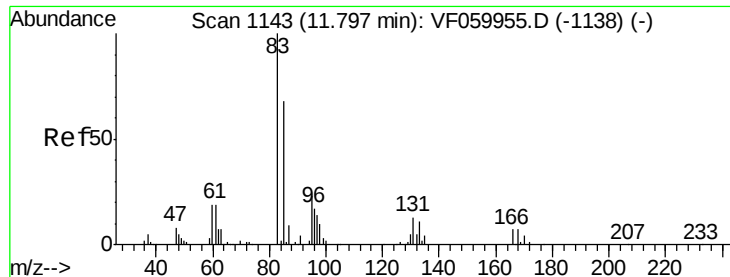
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.55 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

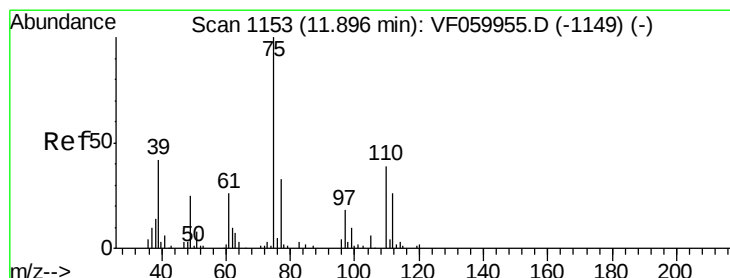
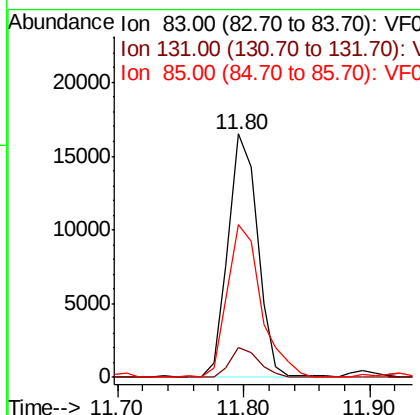
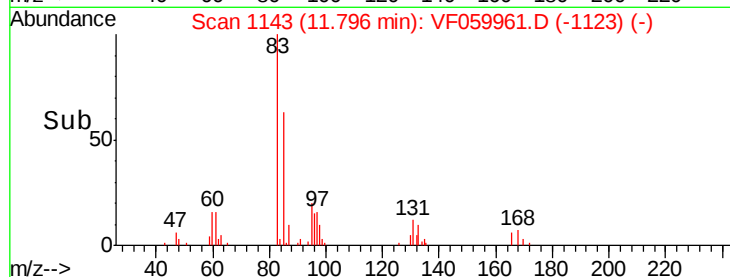
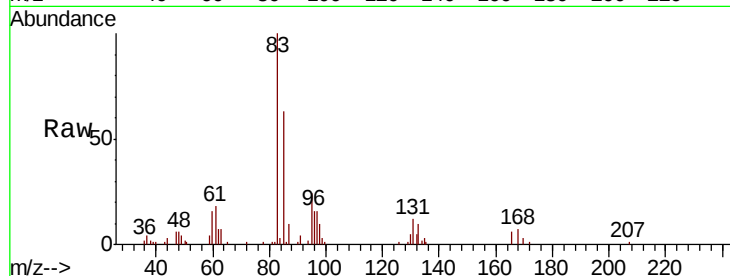
ClientSampleId :

VF0814SBS01

Tot Ion:	83	Resp:	26863
Ion Ratio	Lower	Upper	
83	100		
131	12.5	6.3	19.1
85	62.8	33.9	101.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.87 ug/l

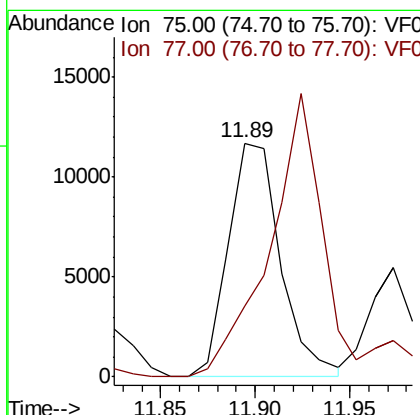
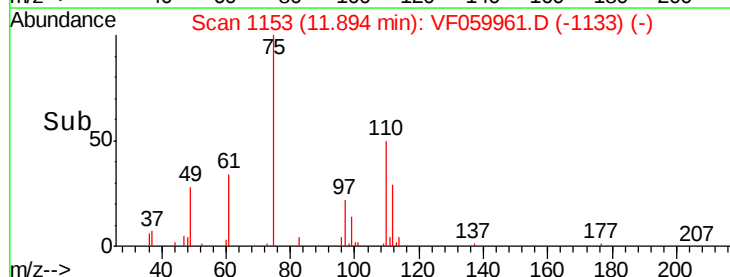
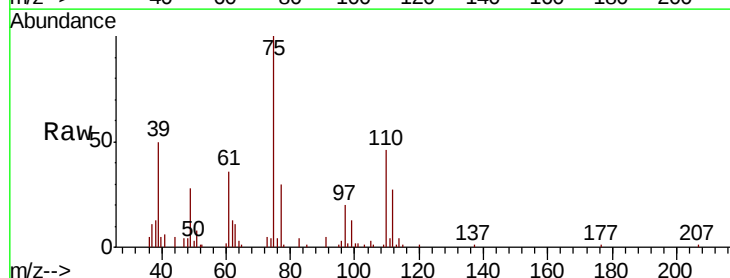
RT: 11.89 min Scan# 1153

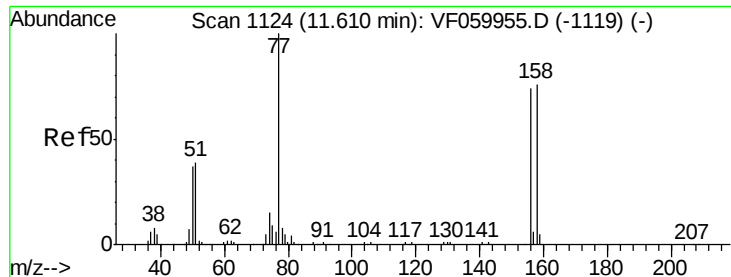
Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tgt Ion:	75	Resp:	22458
Ion Ratio	Lower	Upper	
75	100		
77	30.4	16.6	49.7





#77

Bromobenzene

Concen: 21.76 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

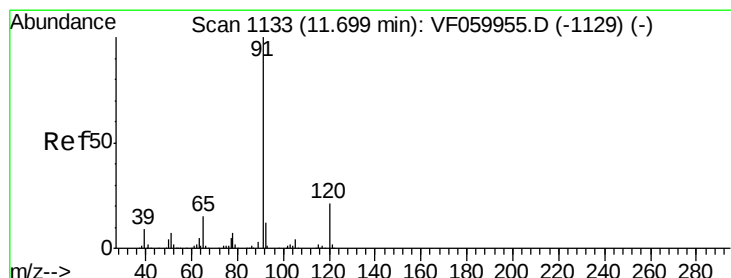
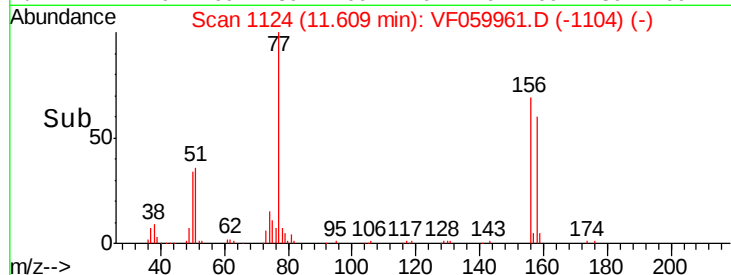
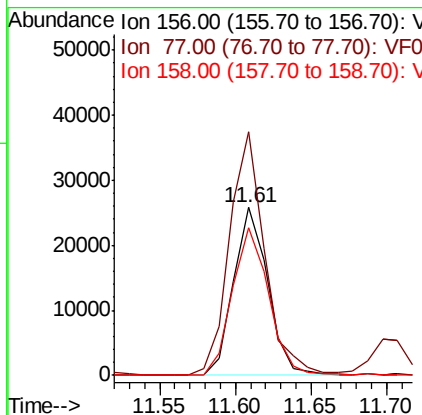
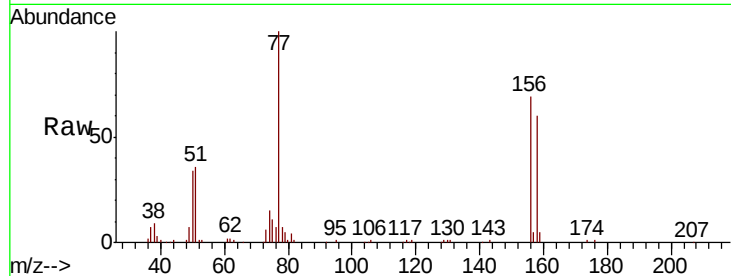
ClientSampleId :

VF0814SBS01

Tot Ion:	156	Resp:	40457
Ion	Ratio	Lower	Upper
156	100		
77	145.1	67.8	203.2
158	87.7	51.7	155.2

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#78

n-propylbenzene

Concen: 20.61 ug/l

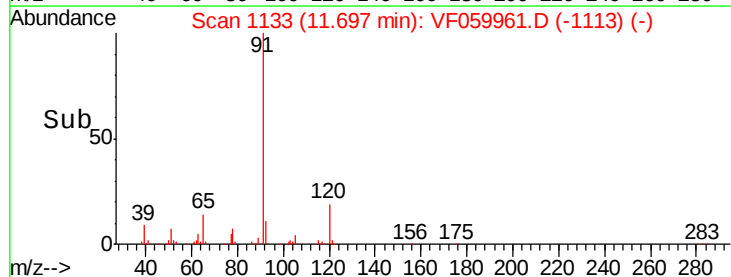
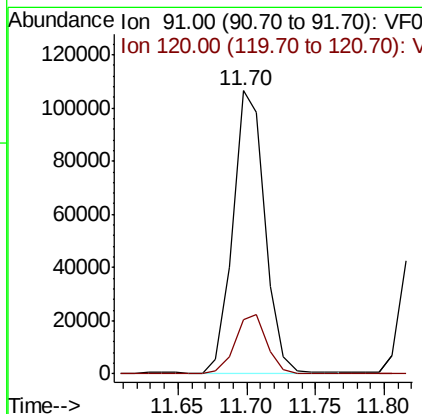
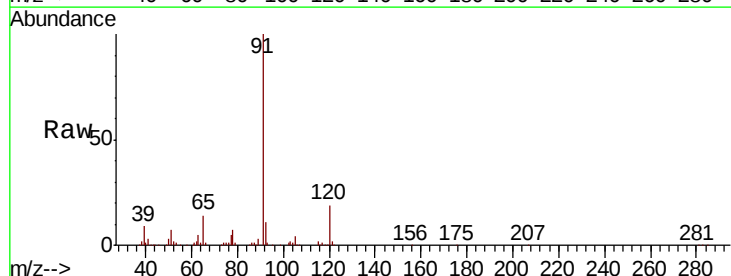
RT: 11.70 min Scan# 1133

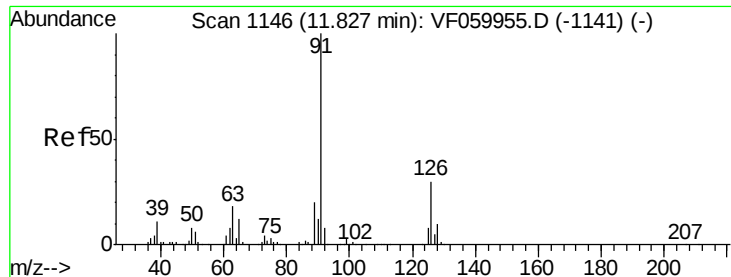
Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tgt Ion:	91	Resp:	171314
Ion	Ratio	Lower	Upper
91	100		
120	19.2	10.4	31.1





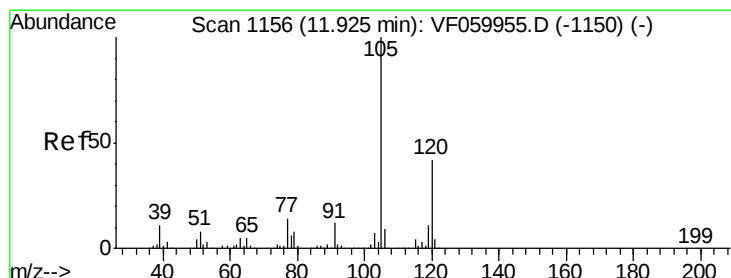
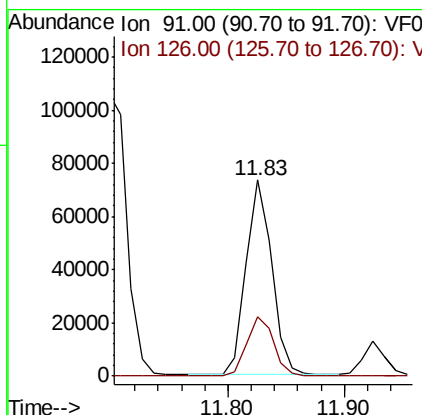
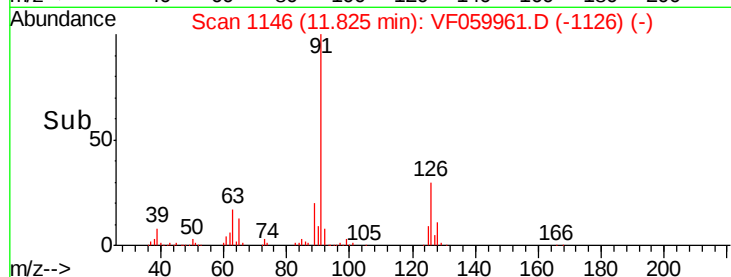
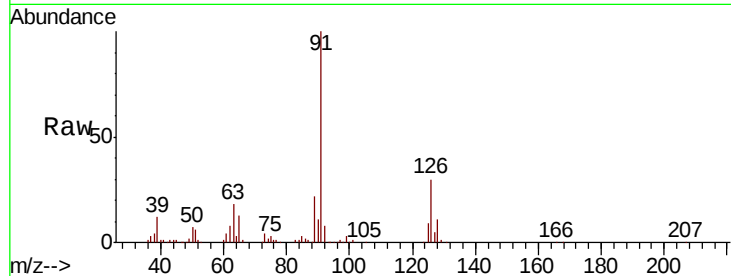
#79
 2-Chlorotoluene
 Concen: 21.62 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	30.2	15.2	45.5	

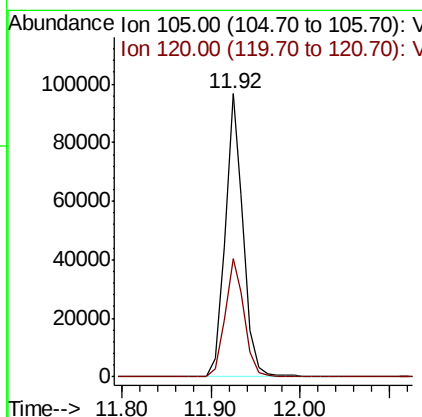
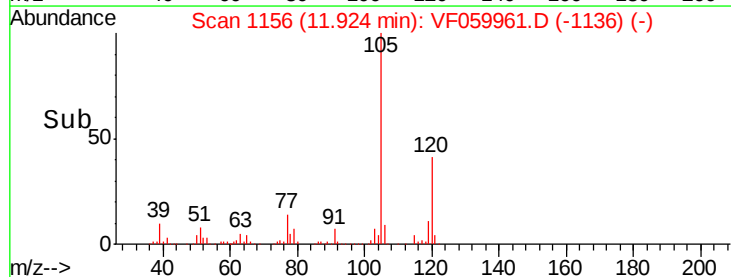
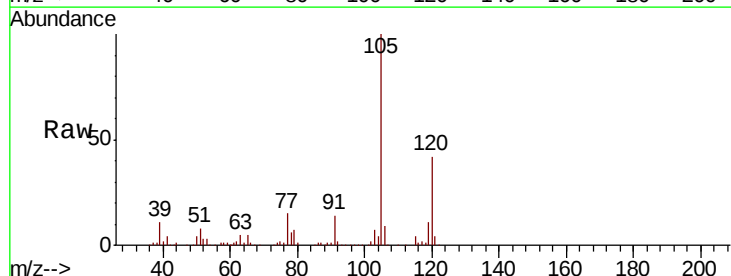
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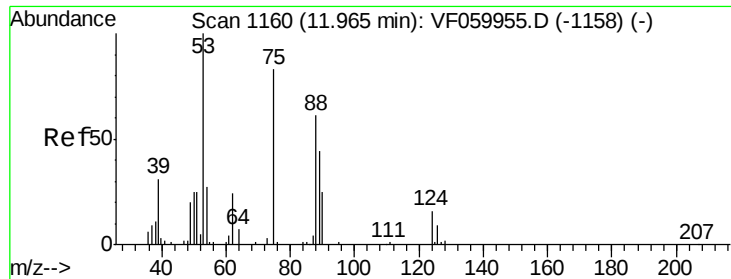
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.82 ug/l
 RT: 11.92 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	42.0	21.1	63.3	





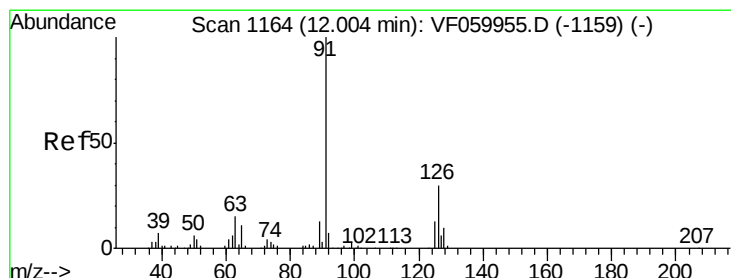
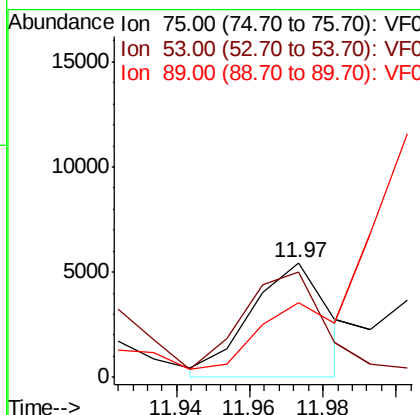
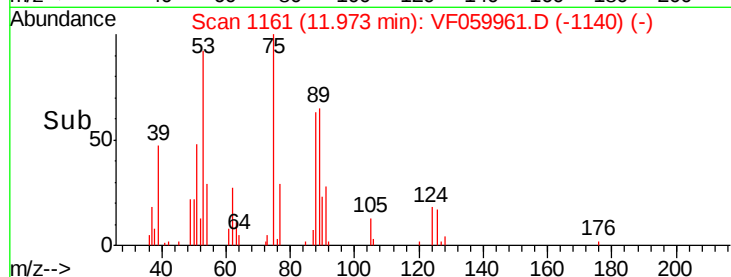
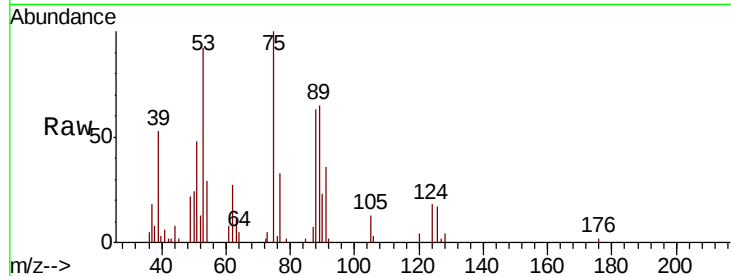
#81
trans-1,4-Dichloro-2-butene
Concen: 19.21 ug/l m
RT: 11.97 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion: 75 Resp: 8063
Ion Ratio Lower Upper
75 100
53 92.0 97.1 145.7#
89 65.2 43.6 65.4

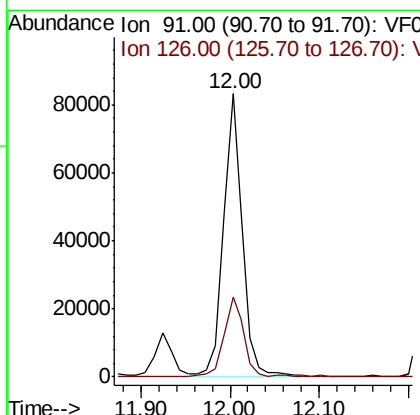
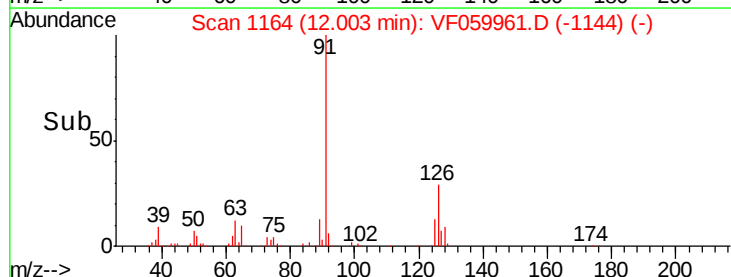
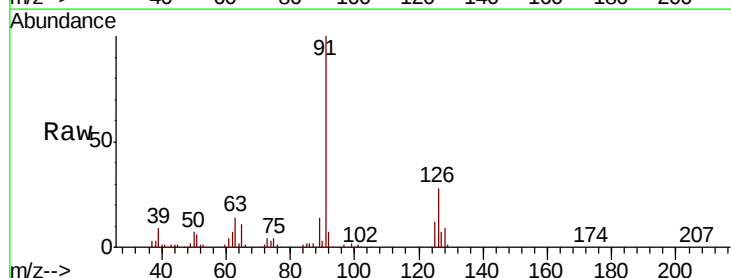
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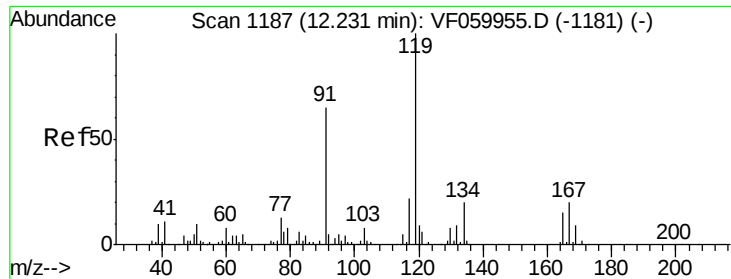
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#82
4-Chlorotoluene
Concen: 21.64 ug/l
RT: 12.00 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion: 91 Resp: 124375
Ion Ratio Lower Upper
91 100
126 28.3 15.3 45.8





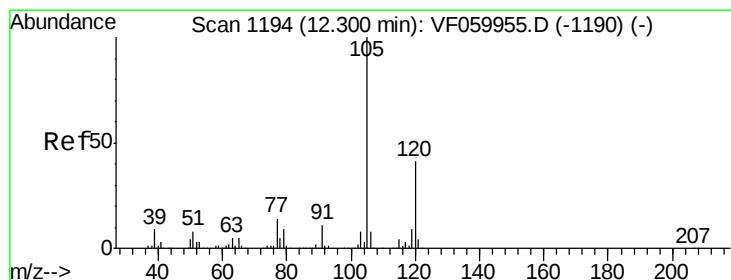
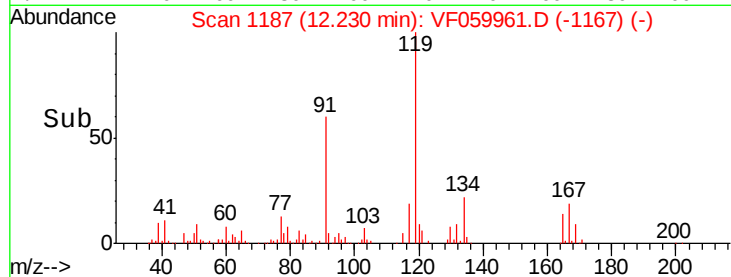
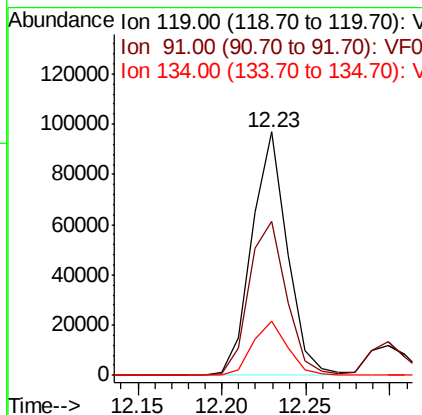
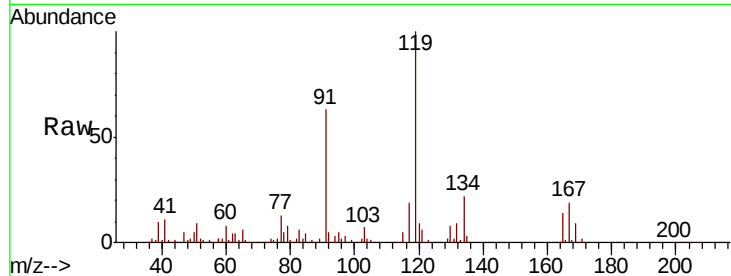
#83
tert-Butylbenzene
Concen: 21.74 ug/l
RT: 12.23 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	141293		
91	63.4	32.6	98.0	
134	22.1	10.1	30.3	

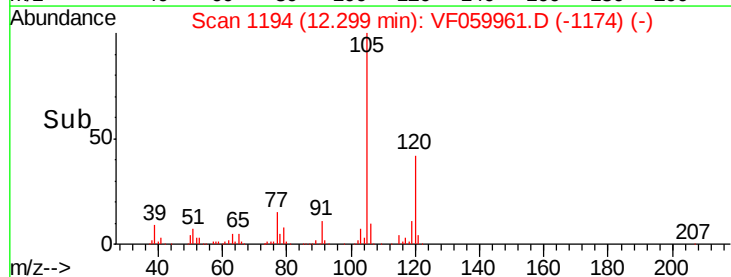
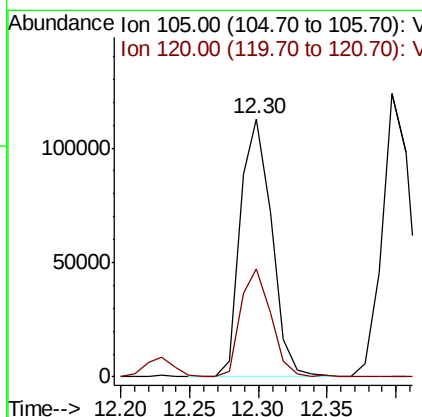
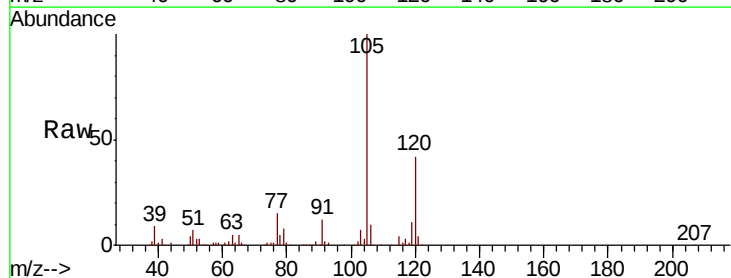
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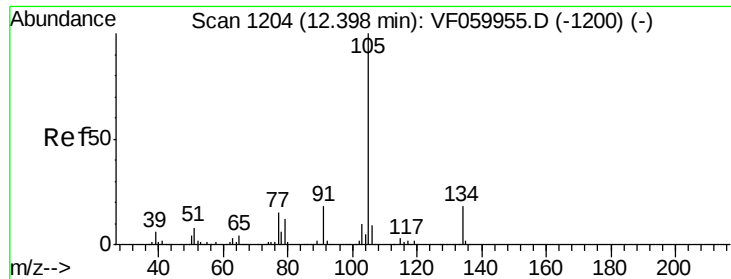
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#84
1,2,4-Trimethylbenzene
Concen: 26.79 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	178170		
120	41.8	20.6	61.9	





#85

sec-Butylbenzene

Concen: 21.84 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion:105 Resp: 180888

Ion Ratio Lower Upper

105 100

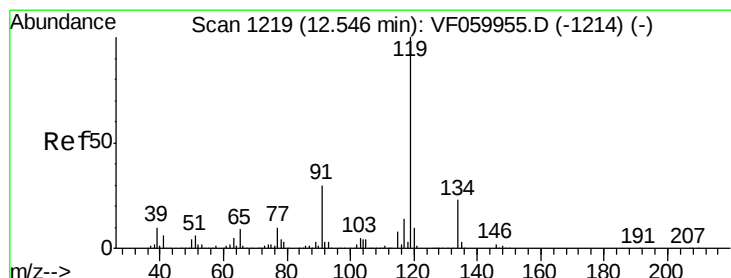
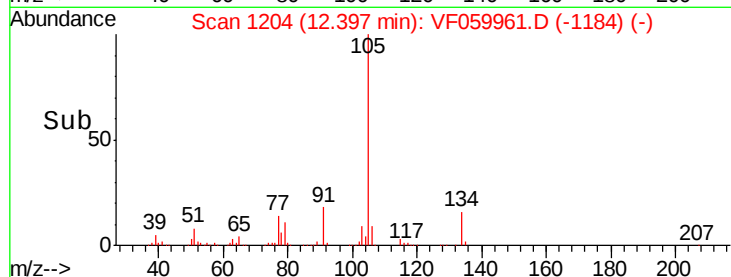
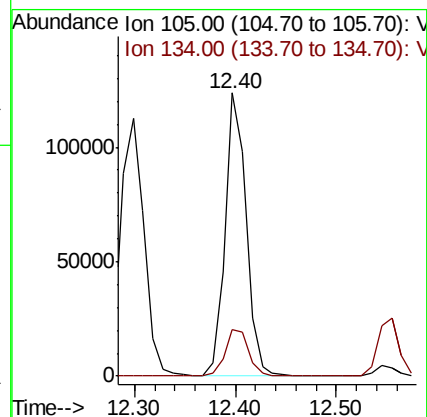
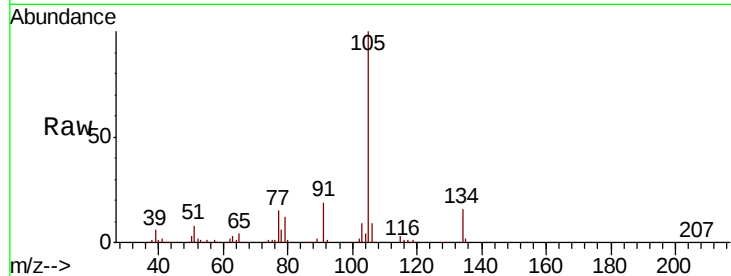
134 16.4 8.9 26.7

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#86

p-Isopropyltoluene

Concen: 22.01 ug/l

RT: 12.55 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

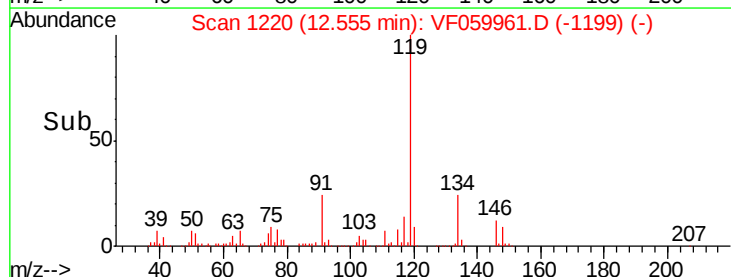
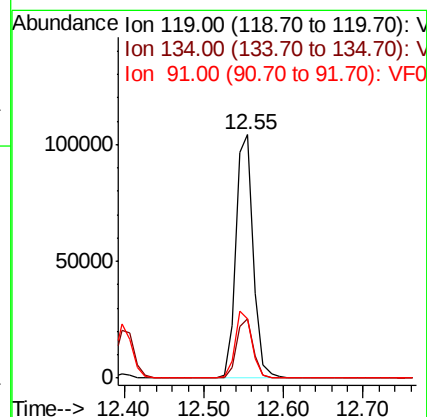
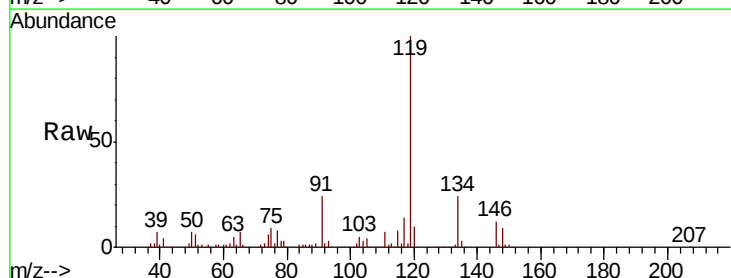
Tgt Ion:119 Resp: 160600

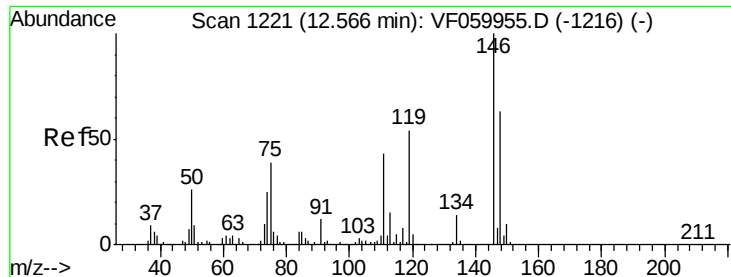
Ion Ratio Lower Upper

119 100

134 24.4 11.4 34.2

91 24.2 14.8 44.4





#87

1,3-Dichlorobenzene

Concen: 21.48 ug/l

RT: 12.56 min Scan# 1221

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

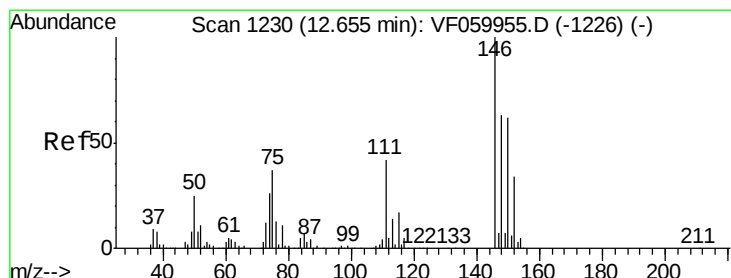
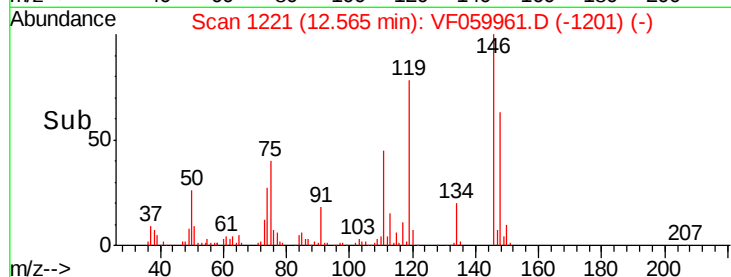
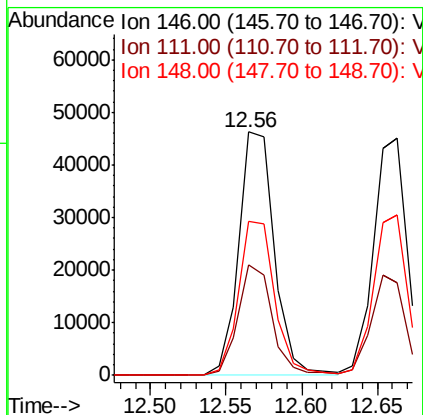
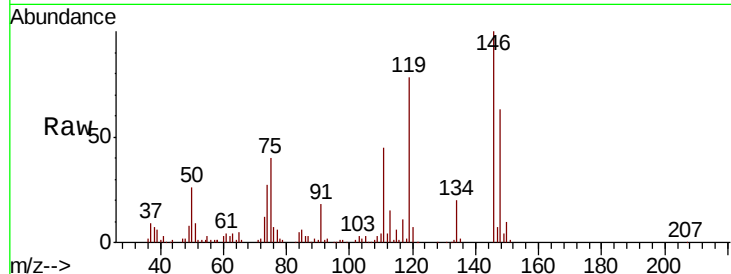
ClientSampleId :

VF0814SBS01

Tot Ion:	146	Resp:	75742
Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.3	63.9
148	63.1	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 20.97 ug/l

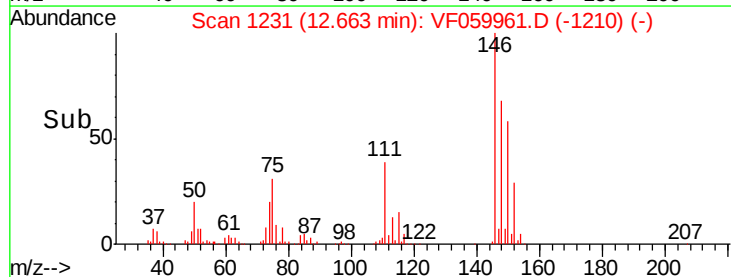
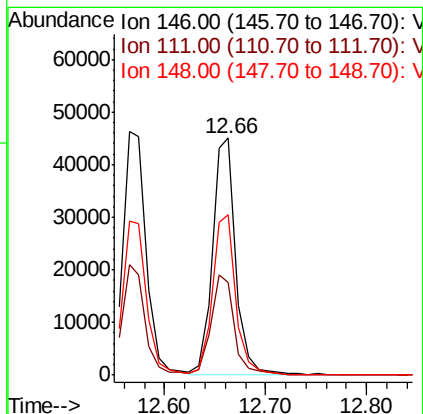
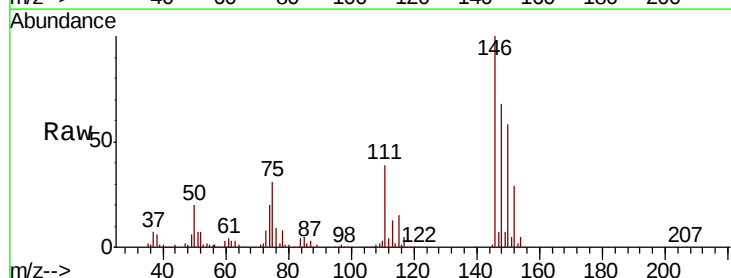
RT: 12.66 min Scan# 1231

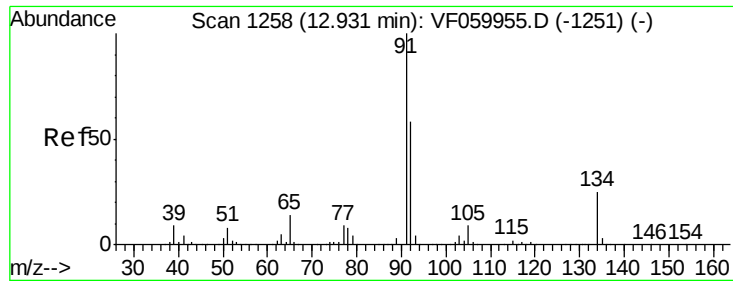
Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tgt Ion:	146	Resp:	72804
Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.1	63.1
148	67.5	31.7	95.1





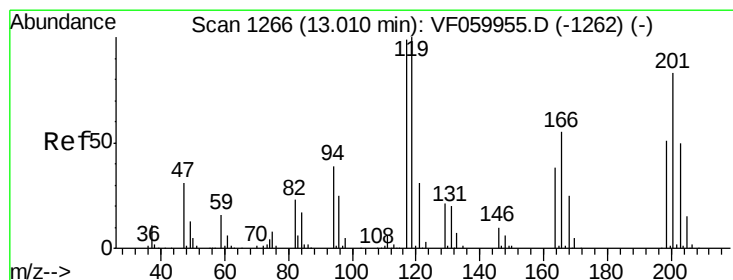
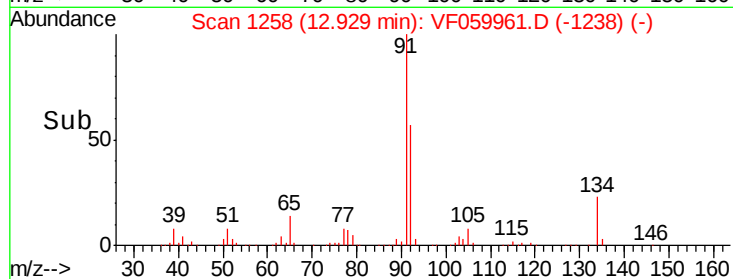
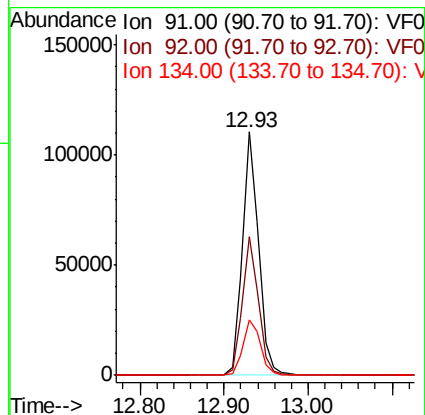
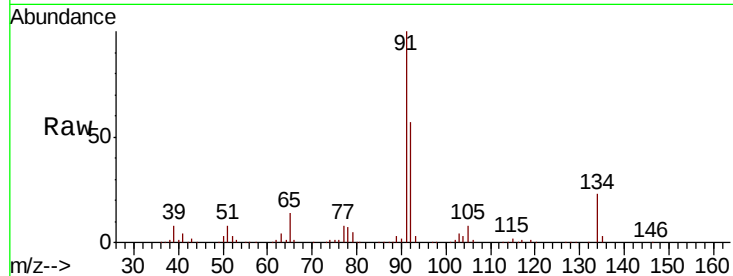
#89
n-Butylbenzene
Concen: 20.98 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion:	91	Resp:	147389
Ion Ratio	Lower	Upper	
91	100		
92	56.9	29.2	87.6
134	22.7	12.8	38.3

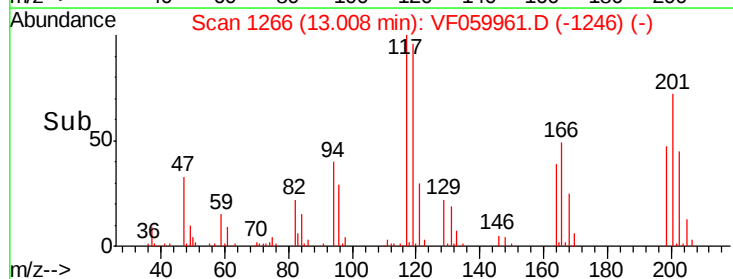
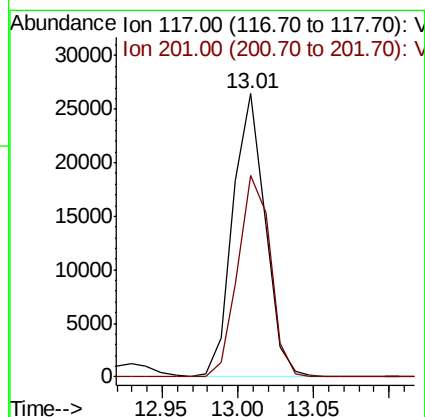
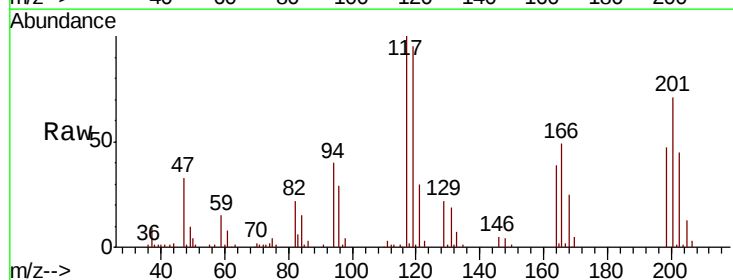
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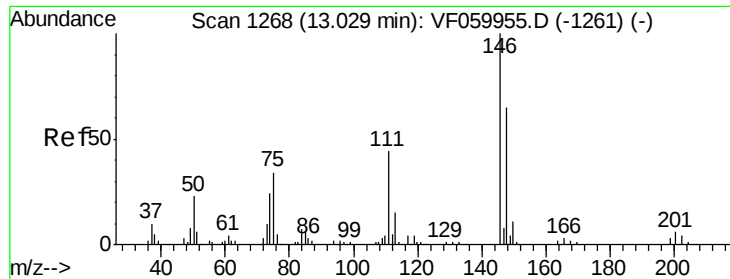
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#90
Hexachloroethane
Concen: 21.72 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion:	117	Resp:	39225
Ion Ratio	Lower	Upper	
117	100		
201	72.7	41.8	125.3





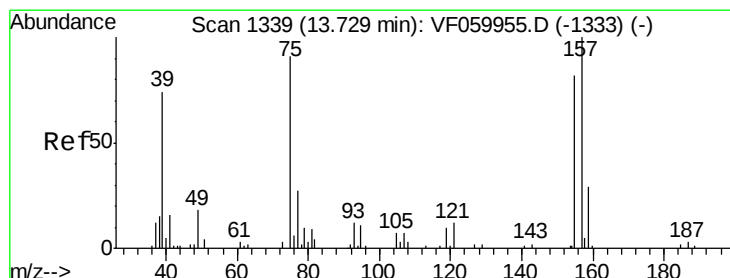
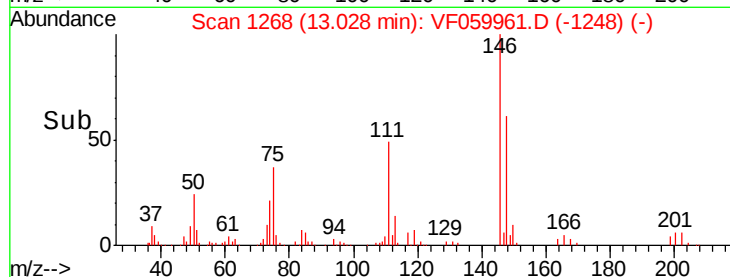
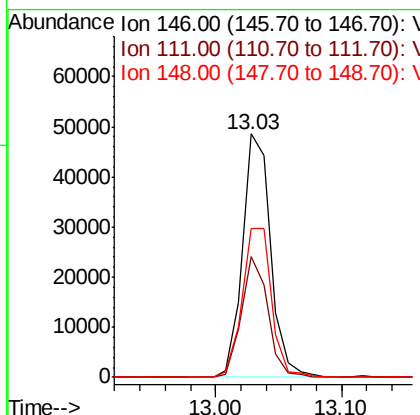
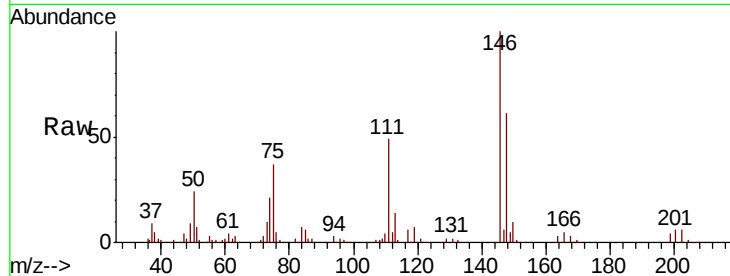
#91
 1,2-Dichlorobenzene
 Concen: 21.92 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.4	22.0	66.0
148	61.3	32.4	97.0

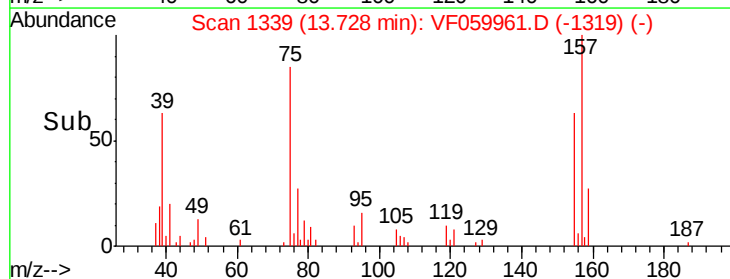
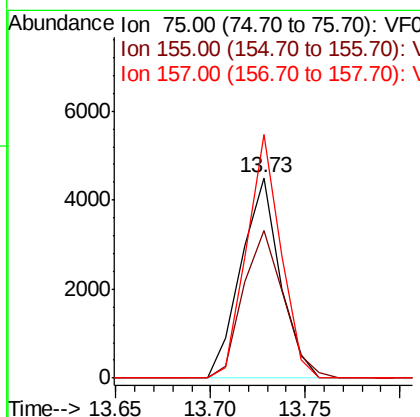
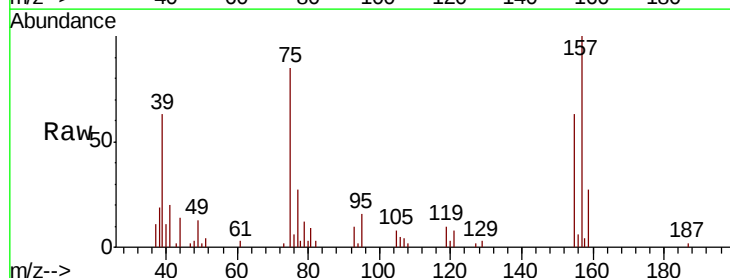
Manual Integrations
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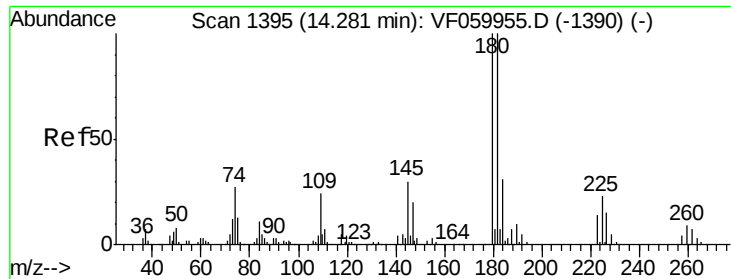
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.93 ug/l
 RT: 13.73 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	44.6	134.0
157	121.7	54.8	164.3





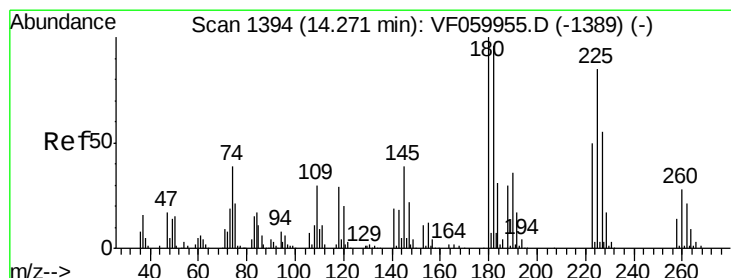
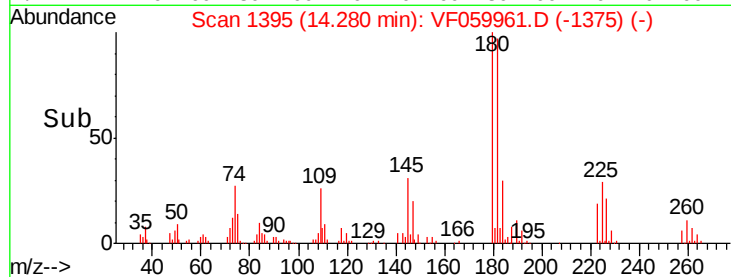
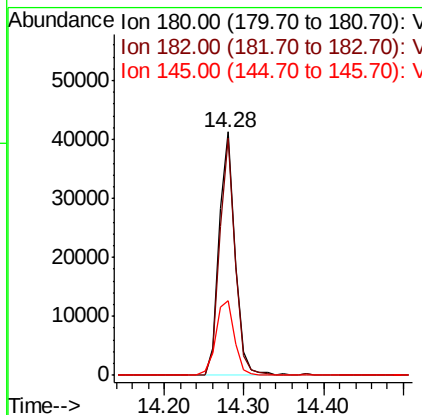
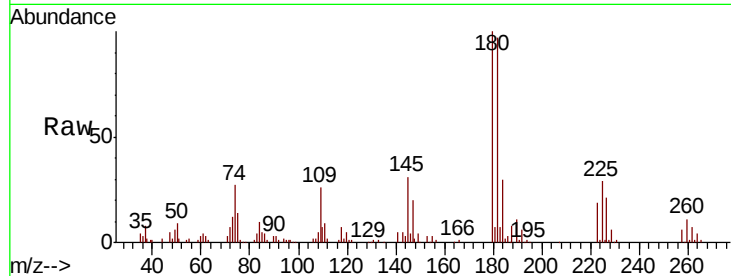
#93
 1,2,4-Trichlorobenzene
 Concen: 21.50 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.3	50.2	150.7	
145	30.8	14.9	44.9	

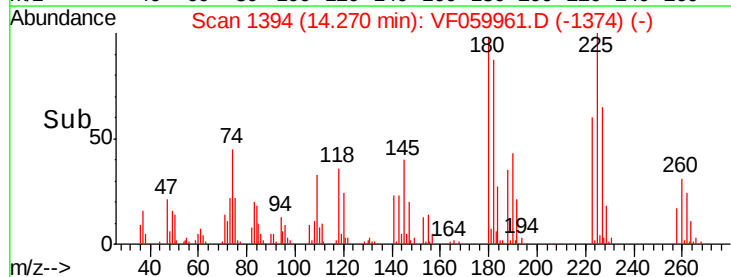
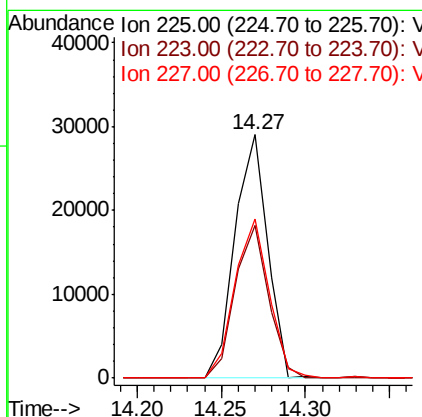
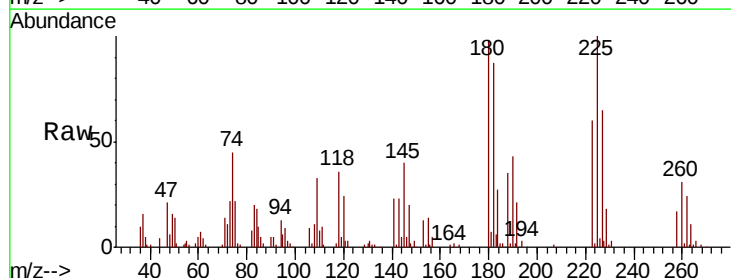
Manual Integrations
 APPROVED

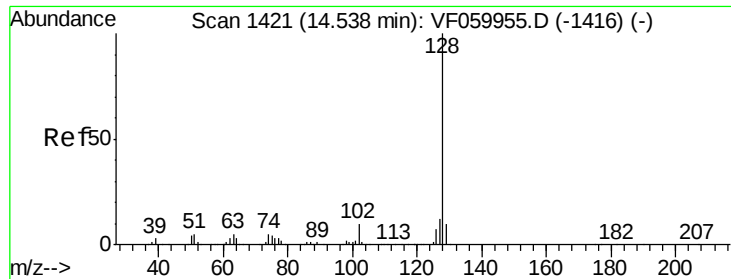
apatel
 8/16/2018 12:17:08 PM



#94
 Hexachlorobutadiene
 Concen: 19.93 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	29.6	88.8	
227	65.5	32.5	97.5	





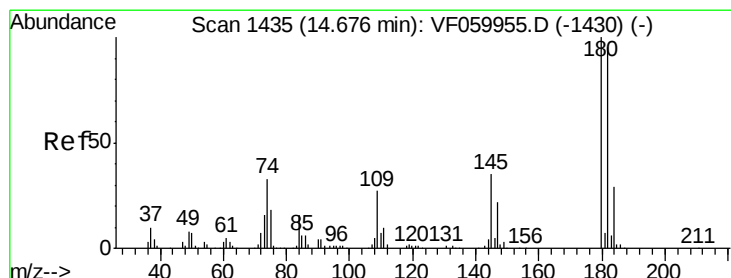
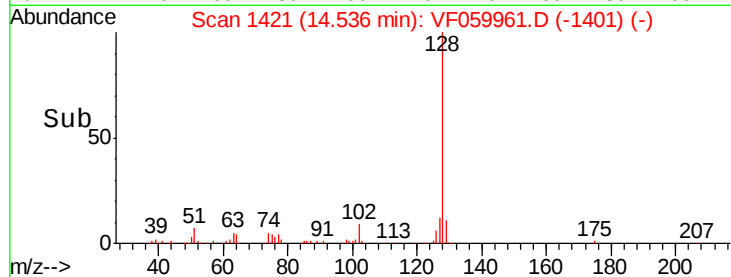
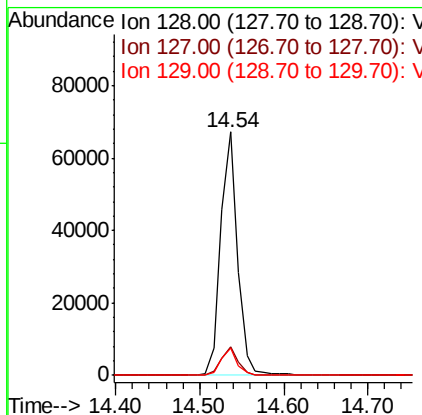
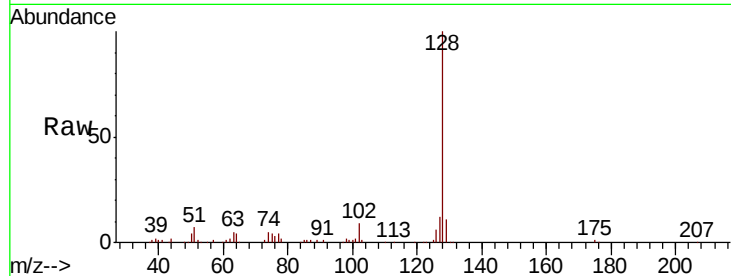
#95
Naphthalene
Concen: 21.00 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion:	128	Resp:	94018
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.9	14.9
129	11.4	8.4	12.6

Manual Integrations
APPROVED

apatel
8/16/2018 12:17:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.96 ug/l
RT: 14.68 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion:	180	Resp:	52218
Ion Ratio	Lower	Upper	
180	100		
182	92.8	47.5	142.6
145	27.4	17.6	52.8

