

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059959.D
 Acq On : 14 Aug 2018 22:23
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF081418

Manual Integrations
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 8/16/2018 12:17:03 PM

Quant Time: Aug 15 09:21:57 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	142821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	206706	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	202118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	121864	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	114664	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
35) Dibromofluoromethane	4.31	113	94885	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
50) Toluene-d8	7.72	98	232178	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.52	95	121822	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	93181	44.03	ug/l	96
3) Chloromethane	1.09	50	45861	50.85	ug/l	95
4) Vinyl Chloride	1.16	62	50024	48.29	ug/l	93
5) Bromomethane	1.35	94	43753	46.93	ug/l	97
6) Chloroethane	1.44	64	31578	46.96	ug/l	99
7) Trichlorofluoromethane	1.54	101	139421	46.08	ug/l	95
8) Diethyl Ether	1.71	74	20861	50.13	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	70244	45.99	ug/l	100
10) Methyl Iodide	1.97	142	115838	48.59	ug/l	86
11) Tert butyl alcohol	2.70	59	24167	243.61	ug/l #	82
12) 1,1-Dichloroethene	1.86	96	55113	48.69	ug/l	98
13) Acrolein	2.10	56	17371	290.81	ug/l	91
14) Allyl chloride	2.20	41	87920	54.59	ug/l	89
15) Acrylonitrile	3.09	53	38538	256.26	ug/l	96
16) Acetone	2.35	43	99351	200.45	ug/l #	85
17) Carbon Disulfide	1.89	76	139589	48.14	ug/l #	92
18) Methyl Acetate	2.46	43	32923	47.77	ug/l	94
19) Methyl tert-butyl Ether	2.55	73	152581	46.94	ug/l	99
20) Methylene Chloride	2.29	84	52706m	50.31	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	52493	47.71	ug/l	97
22) Diisopropyl ether	2.94	45	185945	50.20	ug/l	94
23) Vinyl Acetate	3.35	43	475308	258.52	ug/l	100
24) 1,1-Dichloroethane	3.02	63	124743	47.66	ug/l	99
25) 2-Butanone	4.53	43	121933	243.27	ug/l	95
26) 2,2-Dichloropropane	3.78	77	76809	45.11	ug/l	88
27) cis-1,2-Dichloroethene	3.65	96	62088	51.07	ug/l	99
28) Bromochloromethane	3.91	49	46516	47.71	ug/l #	81
29) Tetrahydrofuran	4.27	42	40813	237.05	ug/l	97
30) Chloroform	4.06	83	165837	46.14	ug/l	94
31) Cyclohexane	3.89	56	67284	51.40	ug/l #	85
32) 1,1,1-Trichloroethane	4.29	97	132406	44.80	ug/l	94
36) 1,1-Dichloropropene	4.48	75	106814	46.52	ug/l	93
37) Ethyl Acetate	4.30	43	44469	45.26	ug/l #	77
38) Carbon Tetrachloride	4.20	117	161281	42.18	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	80333	48.13	ug/l	91
40) Benzene	4.83	78	189358	48.71	ug/l	94
41) Methacrylonitrile	4.94	41	22892	47.24	ug/l	92
42) 1,2-Dichloroethane	5.13	62	132880	43.03	ug/l	95
43) Isopropyl Acetate	7.12	43	53652	50.09	ug/l #	96
44) Trichloroethene	5.69	130	69651	46.56	ug/l	89
45) 1,2-Dichloropropane	6.42	63	51627	50.22	ug/l #	84
46) Dibromomethane	6.28	93	44951	44.32	ug/l	91
47) Bromodichloromethane	6.56	83	127681	43.62	ug/l	96
48) Methyl methacrylate	6.89	41	40130	50.30	ug/l	91
49) 1,4-Dioxane	6.89	88	5107	846.50	ug/l #	89
51) 4-Methyl-2-Pentanone	8.42	43	242223	233.43	ug/l	96
52) Toluene	7.79	92	135630	47.11	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	106772	44.60	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	113608	49.31	ug/l	91
55) 1,1,2-Trichloroethane	8.65	97	47861	48.64	ug/l	96
56) Ethyl methacrylate	8.78	69	54992	52.03	ug/l	90
57) 1,3-Dichloropropane	9.02	76	80897	44.64	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	30796	216.60	ug/l	100
59) 2-Hexanone	9.65	43	189564	250.45	ug/l	89
60) Dibromochloromethane	8.89	129	89939	46.19	ug/l	89
61) 1,2-Dibromoethane	9.15	107	56113	45.72	ug/l	94
64) Tetrachloroethene	8.33	164	74141	47.11	ug/l	94
65) Chlorobenzene	9.96	112	185297	47.46	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.09	131	85323	45.22	ug/l	97
67) Ethyl Benzene	10.06	91	328272	47.60	ug/l	97
68) m/p-Xylenes	10.29	106	226546	97.69	ug/l	98
69) o-Xylene	10.85	106	118273	46.96	ug/l	94
70) Styrene	10.92	104	181383	48.68	ug/l	96
71) Bromoform	10.91	173	53761	45.83	ug/l	95
73) Isopropylbenzene	11.24	105	391819	51.12	ug/l	98
74) N-amyl acetate	11.48	43	91951	54.43	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	63755	49.48	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	55166	49.66	ug/l	96
77) Bromobenzene	11.61	156	99893	49.67	ug/l	93
78) n-propylbenzene	11.70	91	437407	48.64	ug/l	99
79) 2-Chlorotoluene	11.83	91	271632	48.20	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	334949	46.93	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.97	75	20316m	44.75	ug/l	
82) 4-Chlorotoluene	12.00	91	288001	46.32	ug/l	99
83) tert-Butylbenzene	12.23	119	345935	49.20	ug/l	99
84) 1,2,4-Trimethylbenzene	12.30	105	353057	49.07	ug/l	99
85) sec-Butylbenzene	12.40	105	439181	49.03	ug/l	100
86) p-Isopropyltoluene	12.55	119	390946	49.54	ug/l	94
87) 1,3-Dichlorobenzene	12.57	146	182474	47.84	ug/l	96
88) 1,4-Dichlorobenzene	12.66	146	186013	49.52	ug/l	97
89) n-Butylbenzene	12.93	91	375180	49.36	ug/l	98
90) Hexachloroethane	13.01	117	93465	47.84	ug/l	96
91) 1,2-Dichlorobenzene	13.03	146	179137	48.41	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.73	75	15876	45.48	ug/l	96

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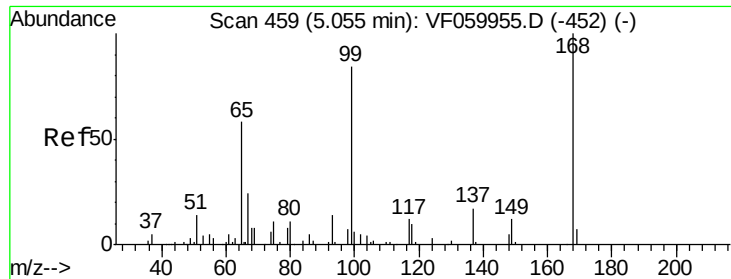
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	147140	49.62	ug/l	97
94) Hexachlorobutadiene	14.27	225	98123	46.27	ug/l	96
95) Naphthalene	14.54	128	244761	50.55	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	140126	49.51	ug/l	99

(#) = 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: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion:168 Resp: 142821

Ion Ratio Lower Upper

168 100

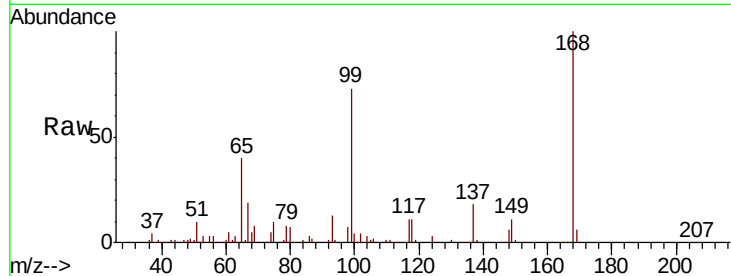
99 73.0 67.4 101.0

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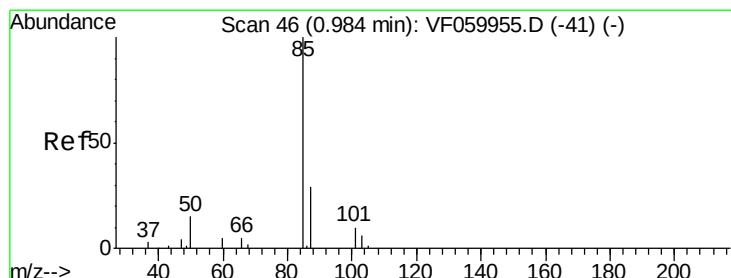
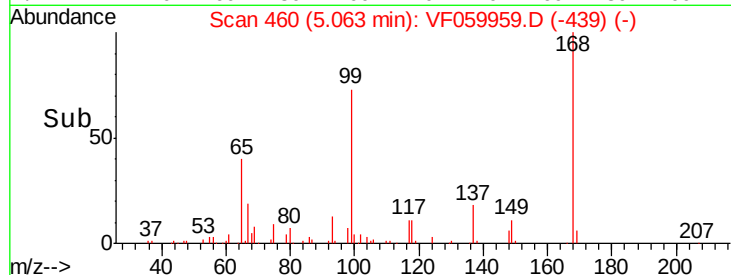


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

Time-->



#2

Dichlorodifluoromethane

Concen: 44.03 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059959.D

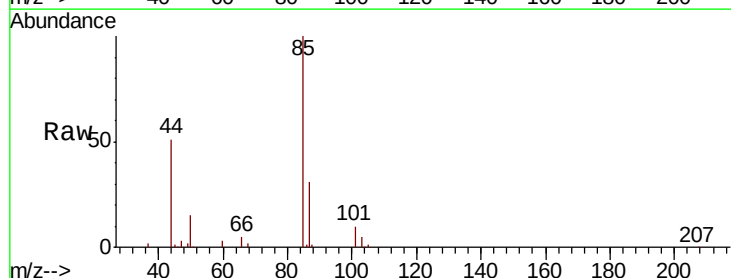
Acq: 14 Aug 2018 22:23

Tgt Ion: 85 Resp: 93181

Ion Ratio Lower Upper

85 100

87 31.1 14.4 43.4

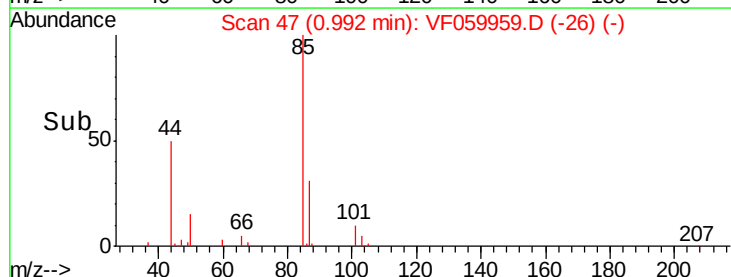


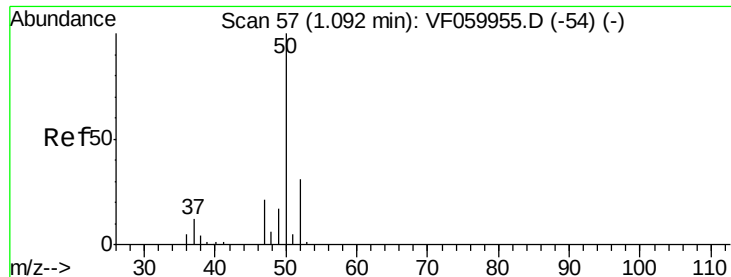
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

Time-->





#3

Chloromethane

Concen: 50.85 ug/l

RT: 1.09 min Scan# 57

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 50 Resp: 45861

Ion Ratio Lower Upper

50 100

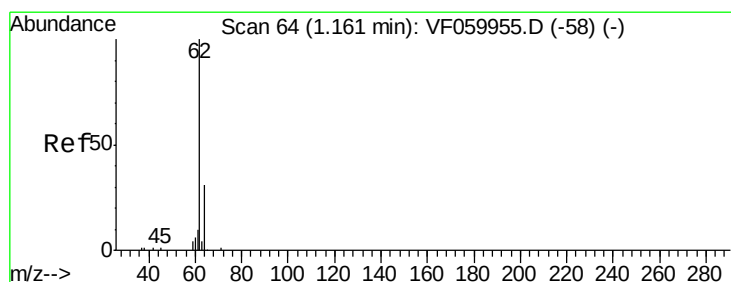
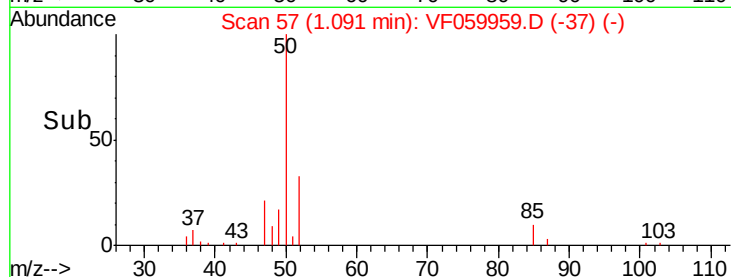
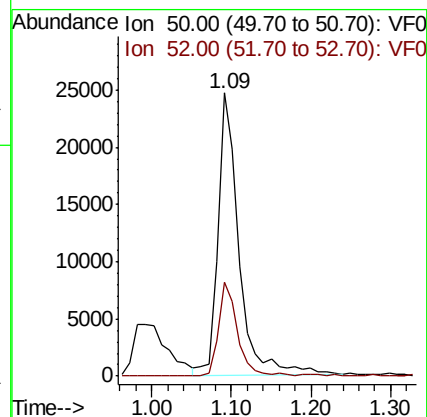
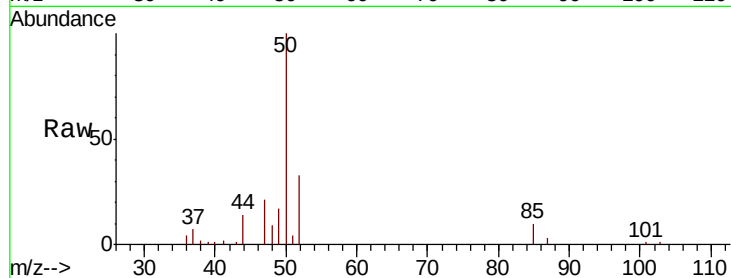
52 33.0 24.2 36.2

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#4

Vinyl Chloride

Concen: 48.29 ug/l

RT: 1.16 min Scan# 64

Delta R.T. -0.00 min

Lab File: VF059959.D

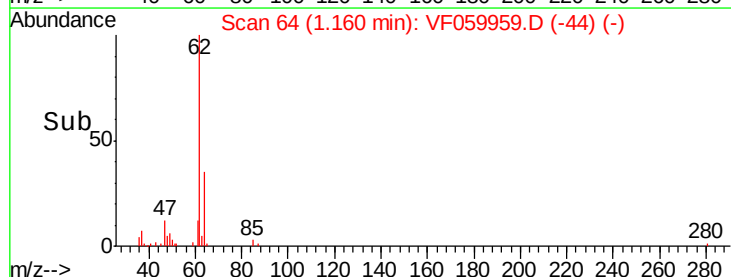
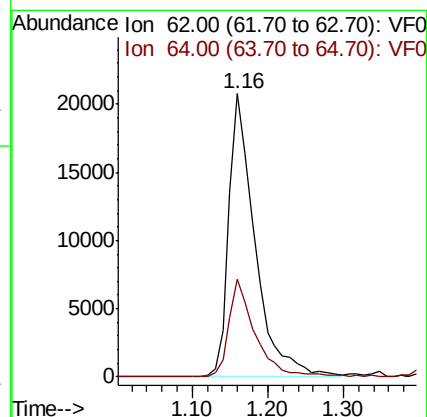
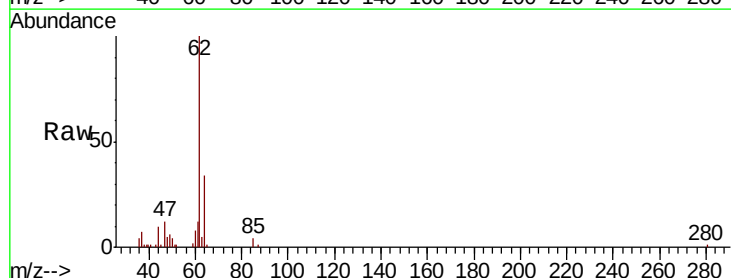
Acq: 14 Aug 2018 22:23

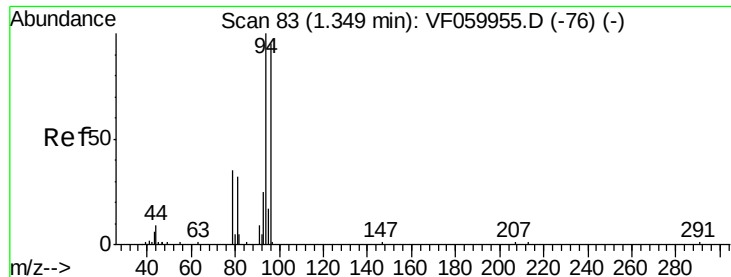
Tgt Ion: 62 Resp: 50024

Ion Ratio Lower Upper

62 100

64 34.5 24.7 37.1





#5

Bromomethane

Concen: 46.93 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 94 Resp: 43753

Ion Ratio Lower Upper

94 100

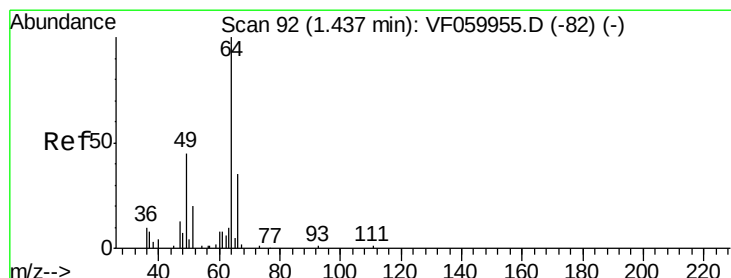
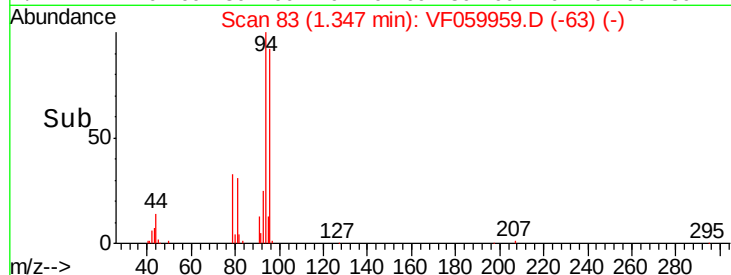
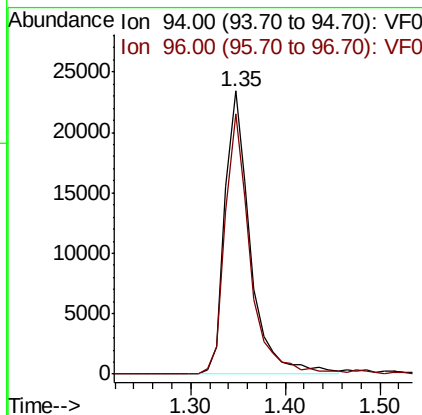
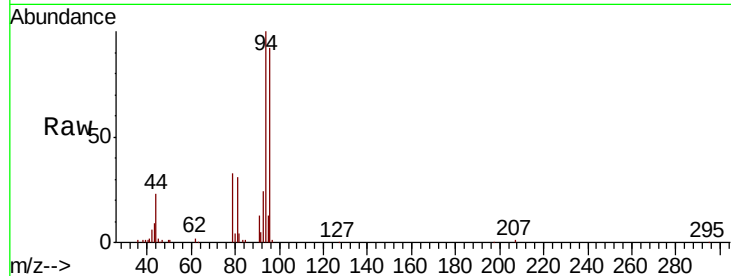
96 92.0 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 46.96 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF059959.D

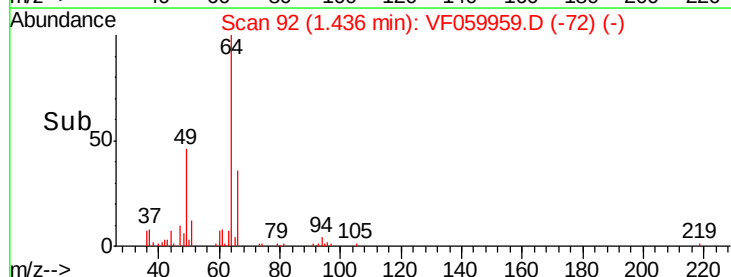
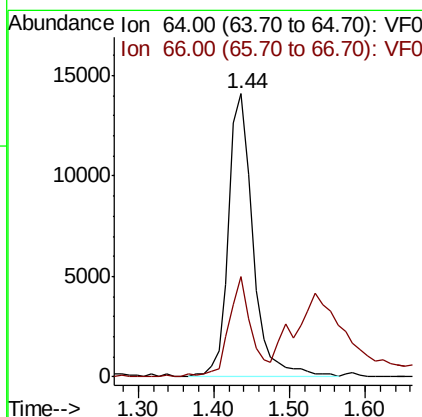
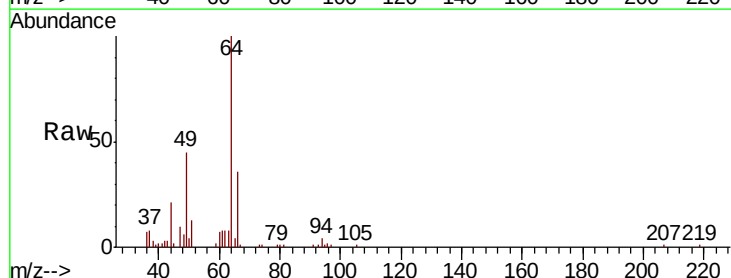
Acq: 14 Aug 2018 22:23

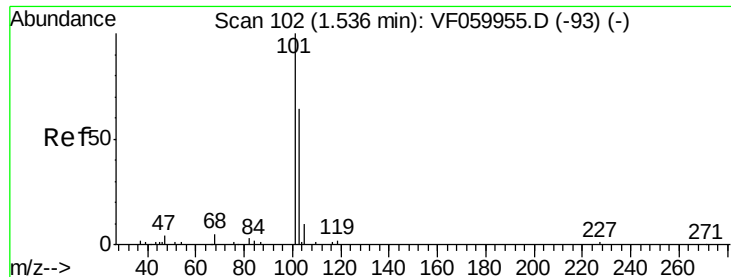
Tgt Ion: 64 Resp: 31578

Ion Ratio Lower Upper

64 100

66 35.5 28.2 42.2





#7

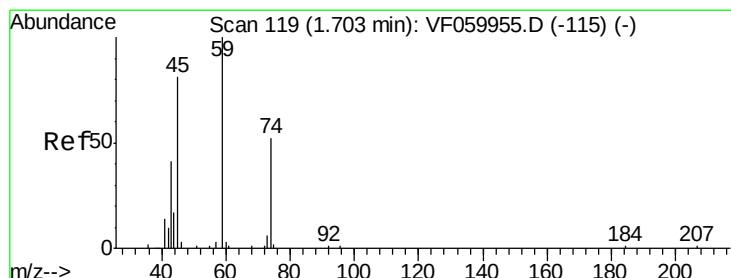
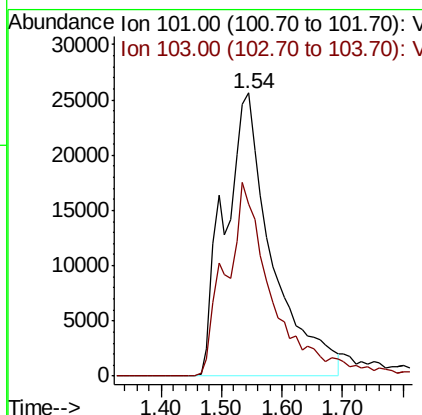
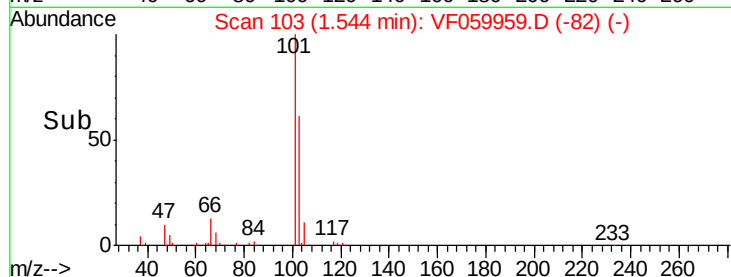
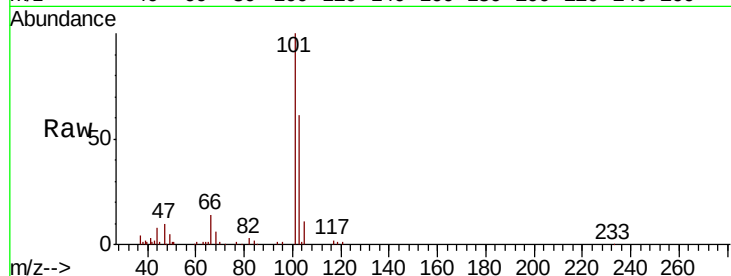
Trichlorofluoromethane
 Concen: 46.08 ug/l
 RT: 1.54 min Scan# 103
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.7	51.6	77.4

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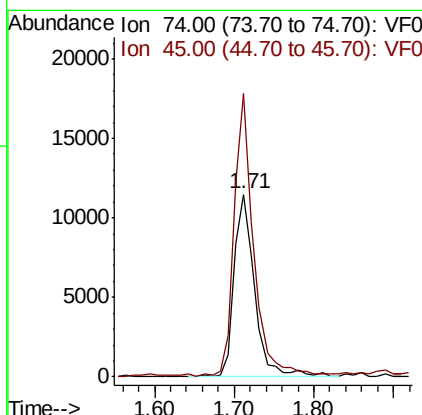
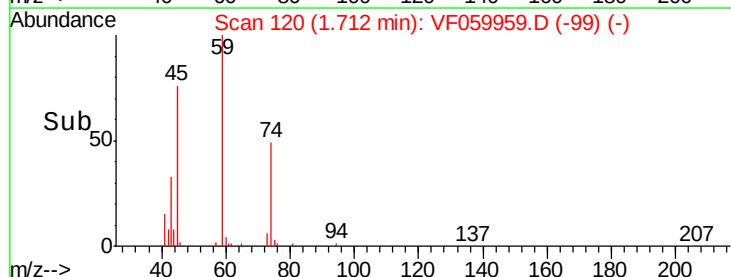
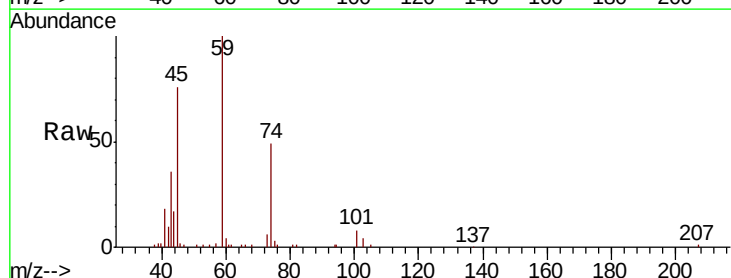
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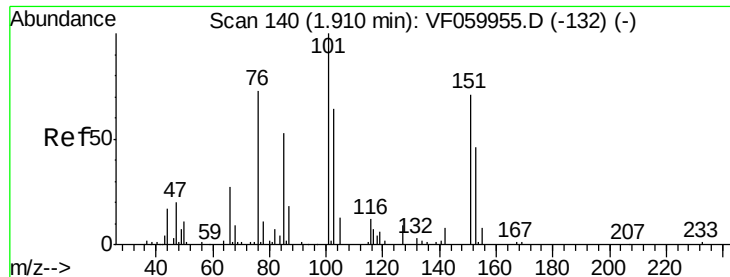


#8

Diethyl Ether
 Concen: 50.13 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	155.3	77.5	232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.99 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

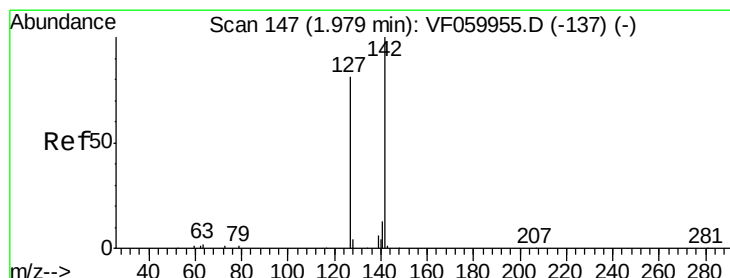
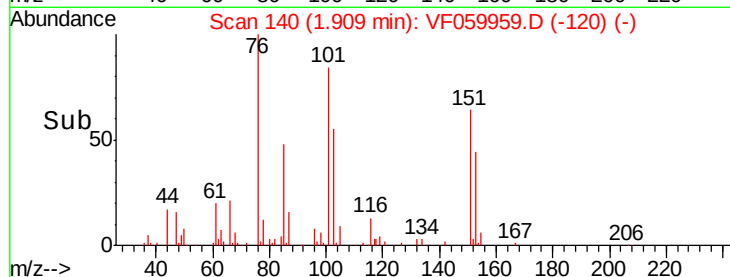
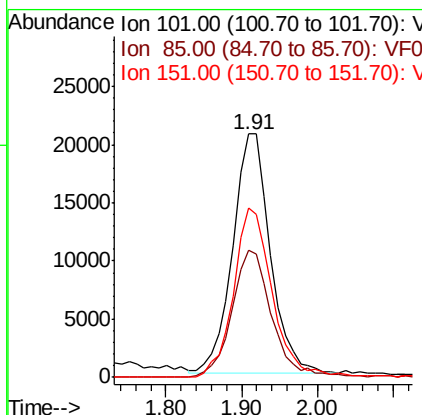
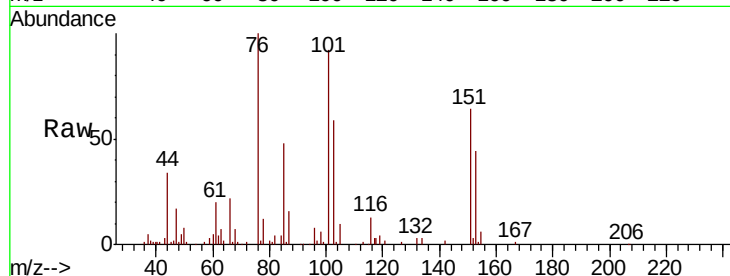
ClientSampleId :

ICVVF081418

Tot Ion:	101	Resp:	70244
Ion Ratio	Lower	Upper	
101	100		
85	52.4	42.1	63.1
151	69.4	55.4	83.0

Manual Integrations
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#10

Methyl Iodide

Concen: 48.59 ug/l

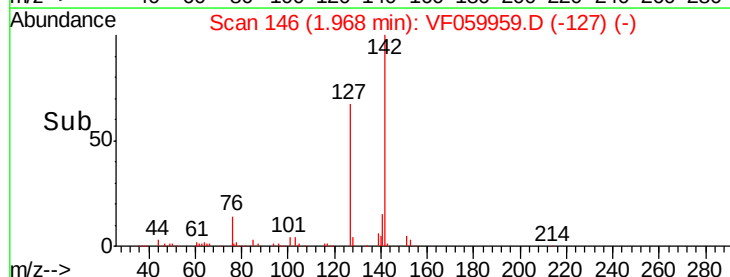
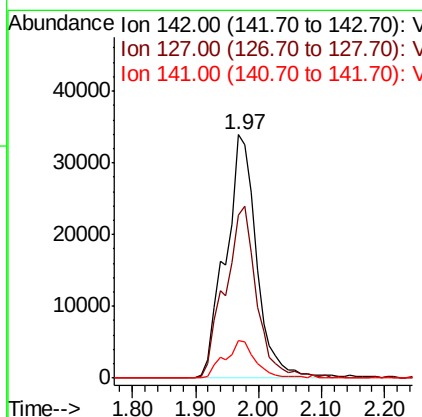
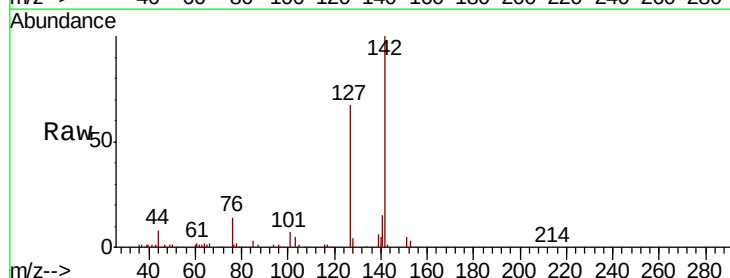
RT: 1.97 min Scan# 146

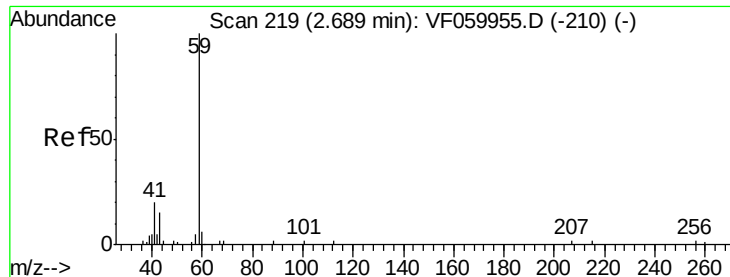
Delta R.T. -0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion:	142	Resp:	115838
Ion Ratio	Lower	Upper	
142	100		
127	66.9	64.5	96.7
141	15.2	10.8	16.2





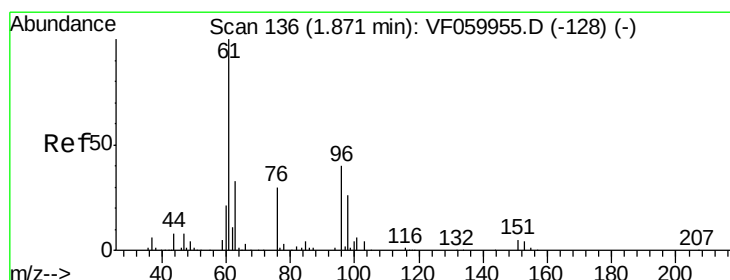
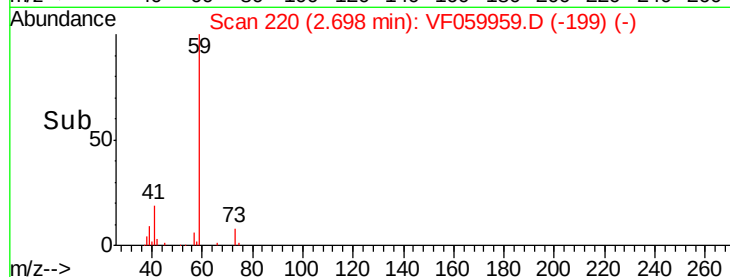
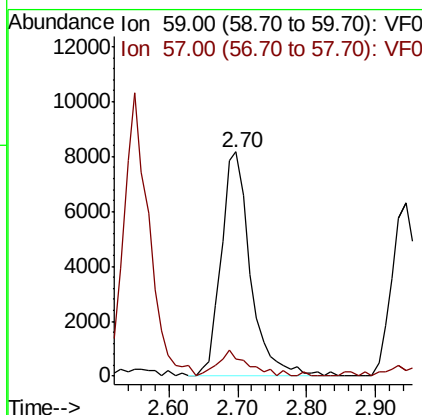
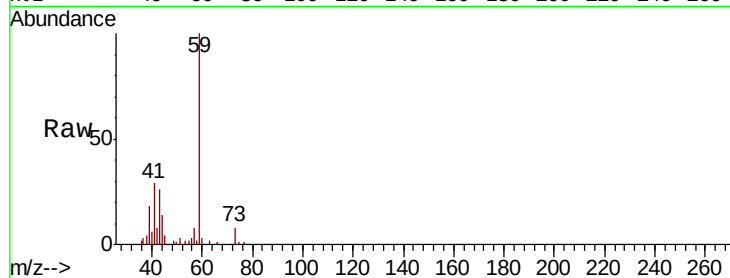
#11
Tert butyl alcohol
Concen: 243.61 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.6	12.0	18.0#

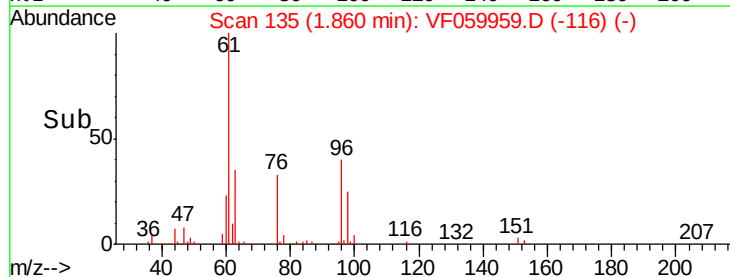
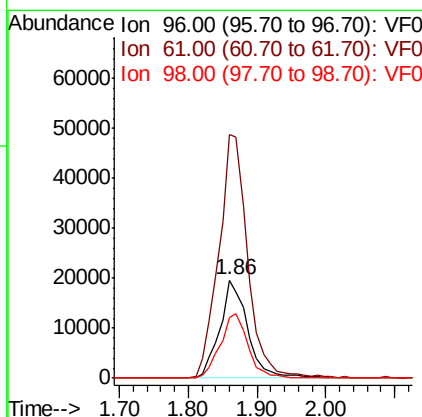
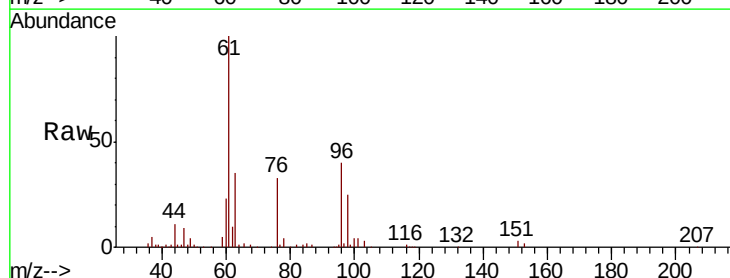
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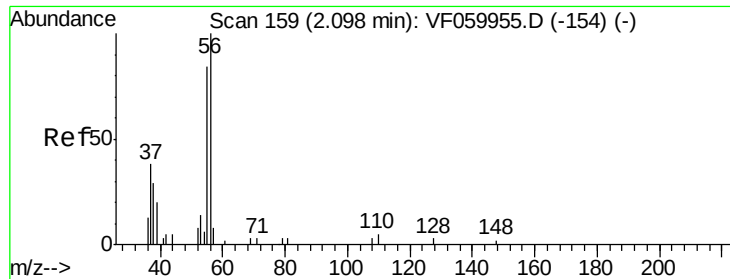
apatel
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#12
1,1-Dichloroethene
Concen: 48.69 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	249.0	201.0	301.4
98	62.1	51.9	77.9





#13

Acrolein

Concen: 290.81 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 56 Resp: 17371

Ion Ratio Lower Upper

56 100

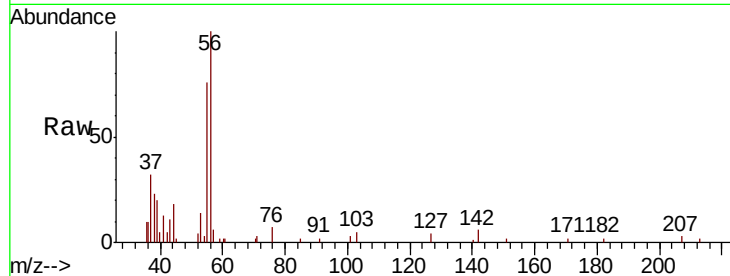
55 76.0 67.4 101.2

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.10

8000

6000

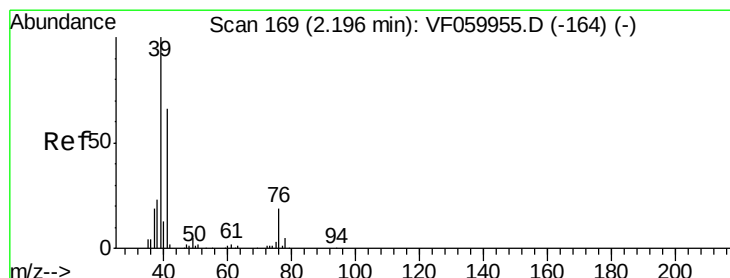
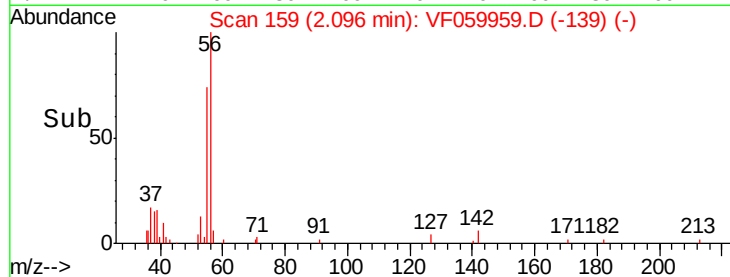
4000

2000

0

2.00 2.10 2.20 2.30

Time-->



#14

Allyl chloride

Concen: 54.59 ug/l

RT: 2.20 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

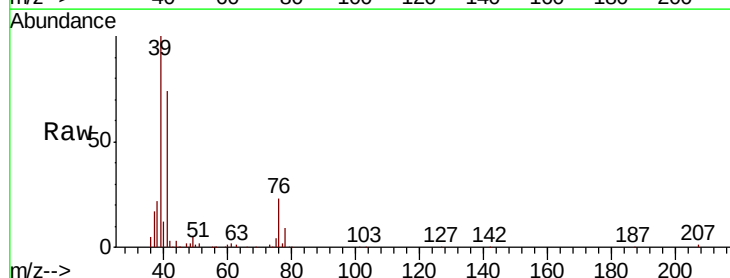
Tgt Ion: 41 Resp: 87920

Ion Ratio Lower Upper

41 100

39 134.6 121.0 181.4

76 30.9 23.6 35.4



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

60000

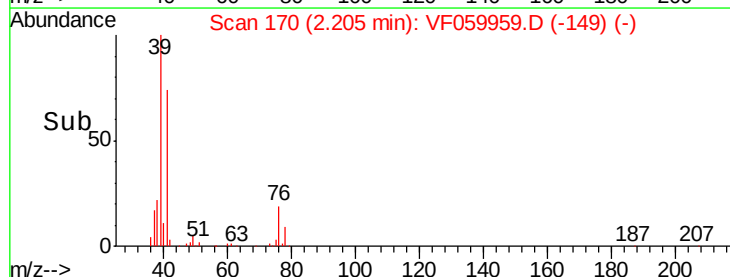
40000

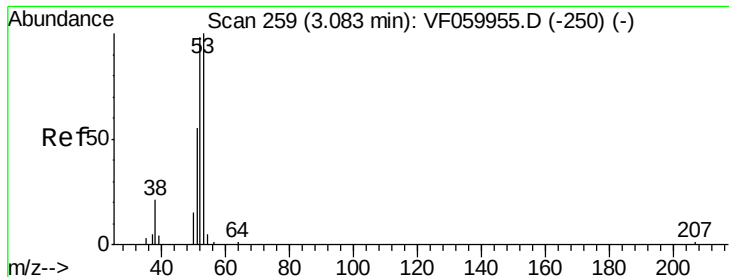
20000

0

2.10 2.20 2.30

Time-->





#15

Acrylonitrile

Concen: 256.26 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

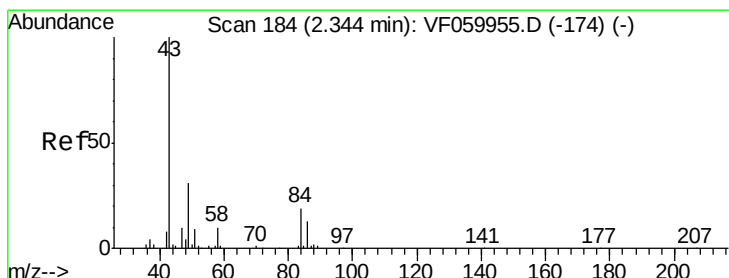
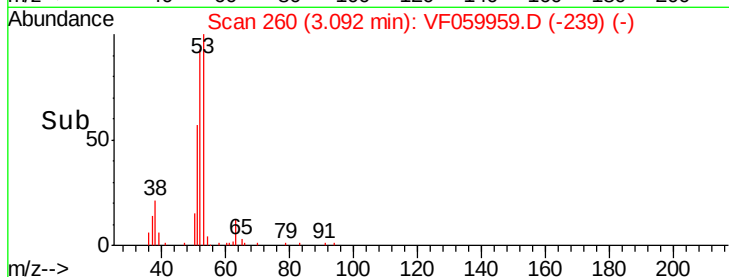
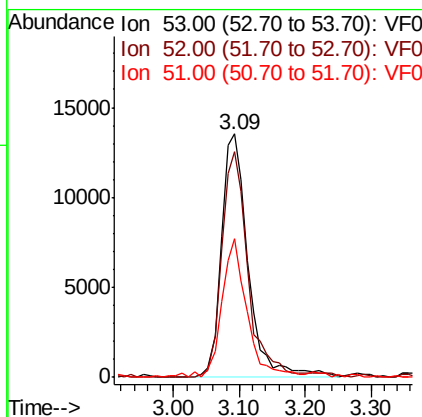
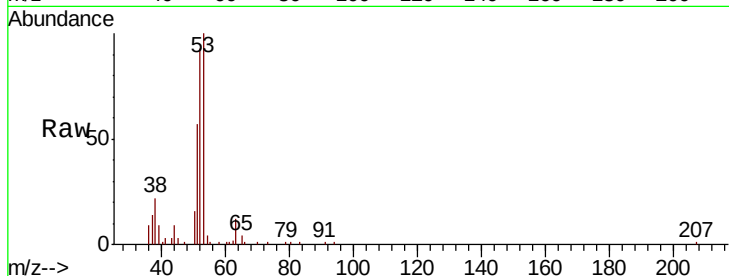
ClientSampleId :

ICVVF081418

Tot Ion:	53	Resp:	38538
Ion	Ratio	Lower	Upper
53	100		
52	92.9	78.1	117.1
51	57.0	44.2	66.4

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#16

Acetone

Concen: 200.45 ug/l

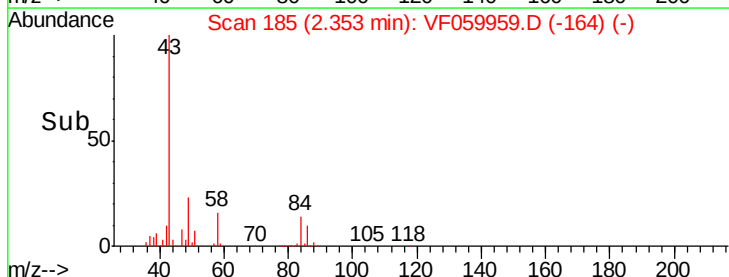
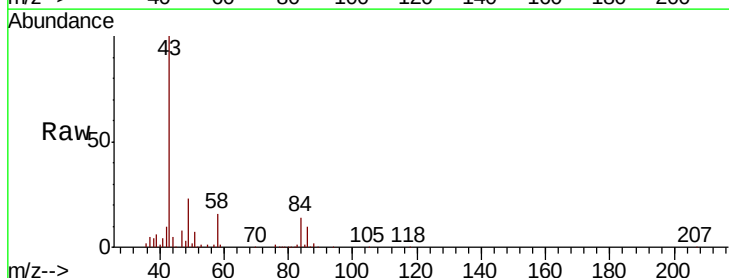
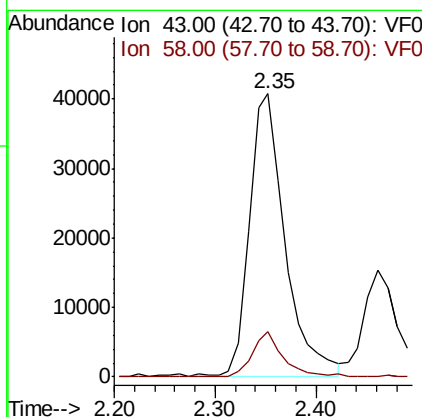
RT: 2.35 min Scan# 185

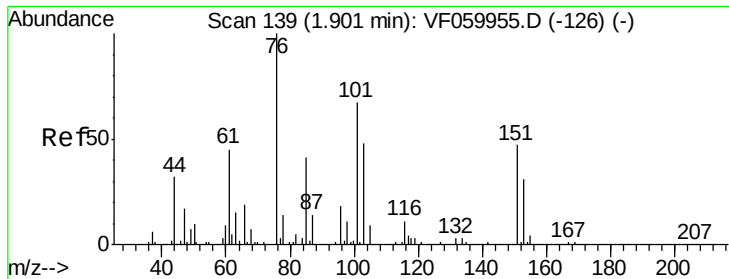
Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion:	43	Resp:	99351
Ion	Ratio	Lower	Upper
43	100		
58	15.8	8.1	12.1#





#17

Carbon Disulfide

Concen: 48.14 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 76 Resp: 139589

Ion Ratio Lower Upper

76 100

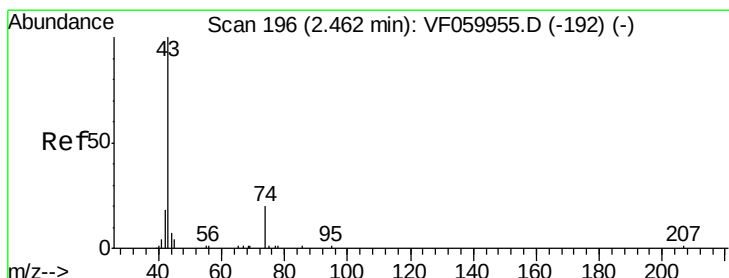
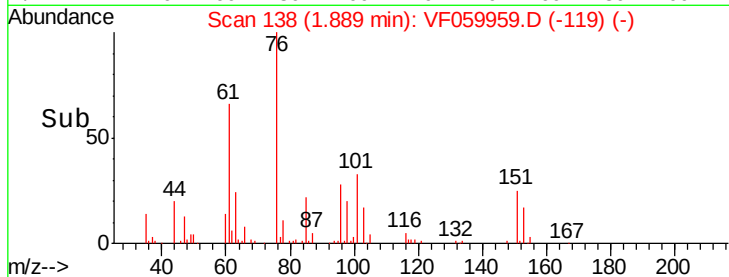
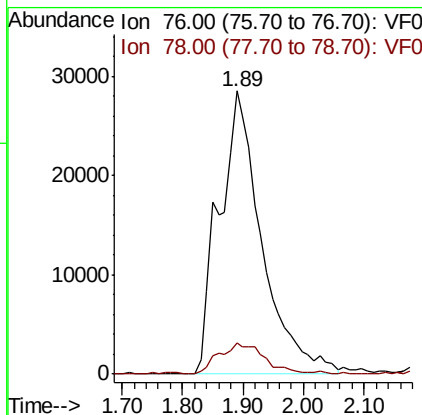
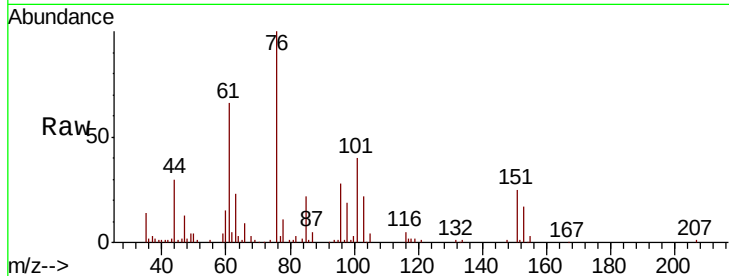
78 10.8 11.4 17.0#

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#18

Methyl Acetate

Concen: 47.77 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF059959.D

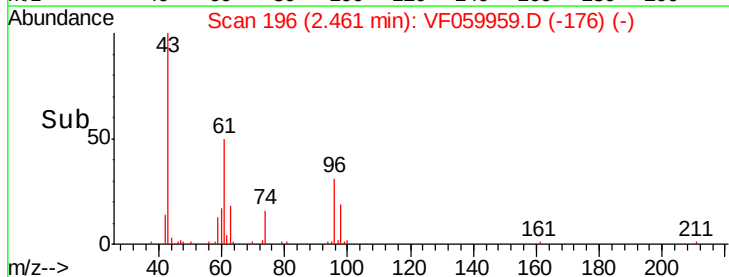
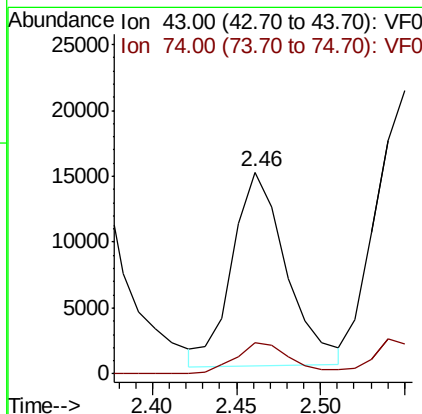
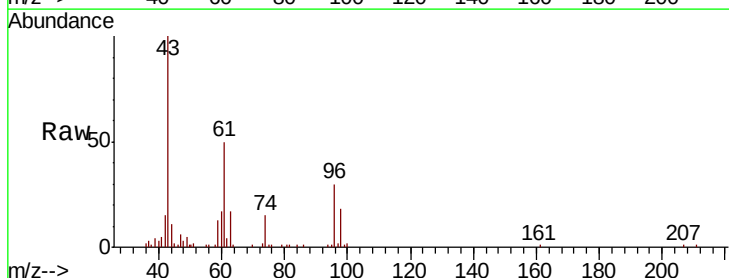
Acq: 14 Aug 2018 22:23

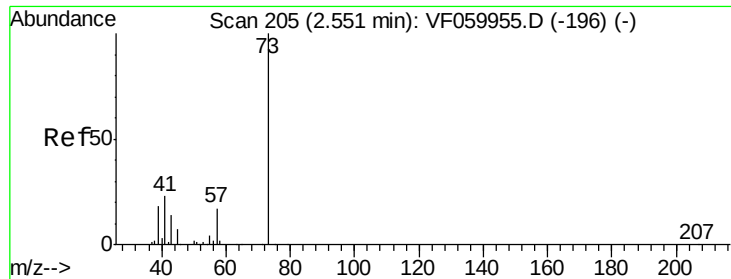
Tgt Ion: 43 Resp: 32923

Ion Ratio Lower Upper

43 100

74 15.4 14.3 21.5





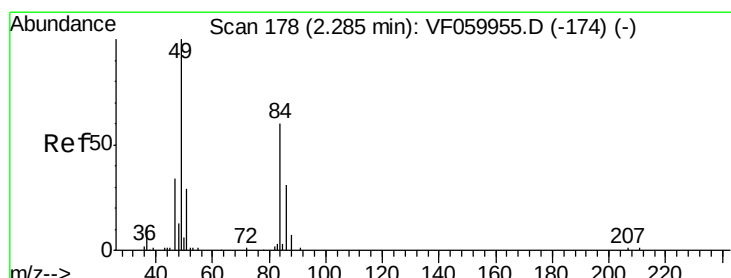
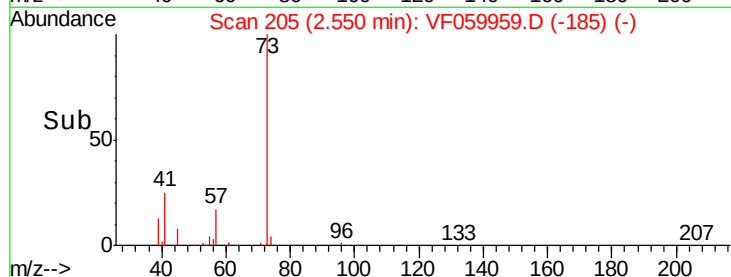
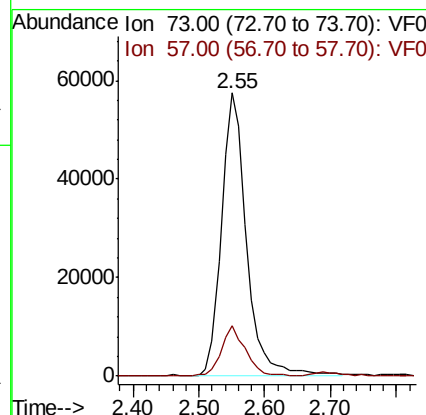
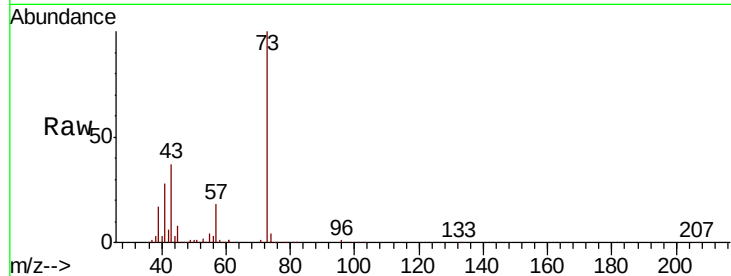
#19
Methyl tert-butyl Ether
Concen: 46.94 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.9	14.0	21.0

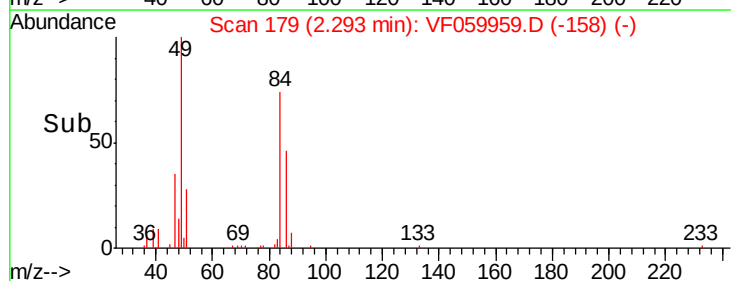
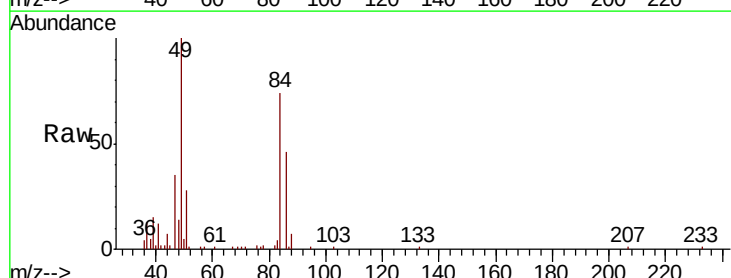
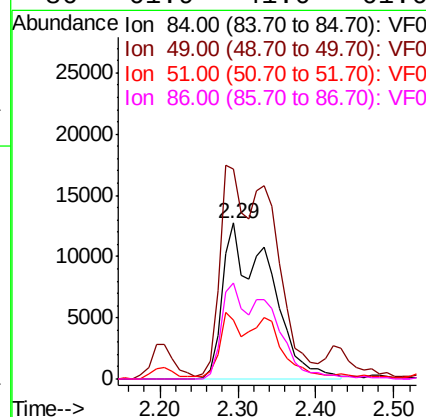
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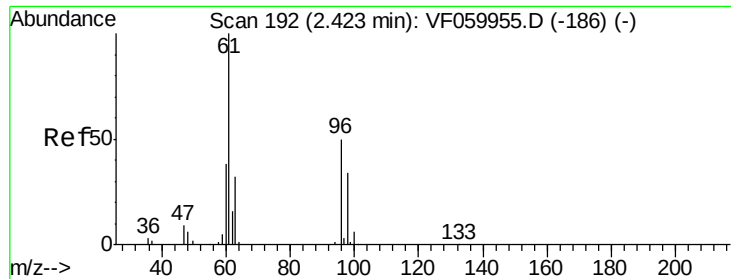
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#20
Methylene Chloride
Concen: 50.31 ug/l m
RT: 2.29 min Scan# 179
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.0	134.8	202.2
51	37.5	39.8	59.6#
86	61.9	41.0	61.6#





#21

trans-1,2-Dichloroethene

Concen: 47.71 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

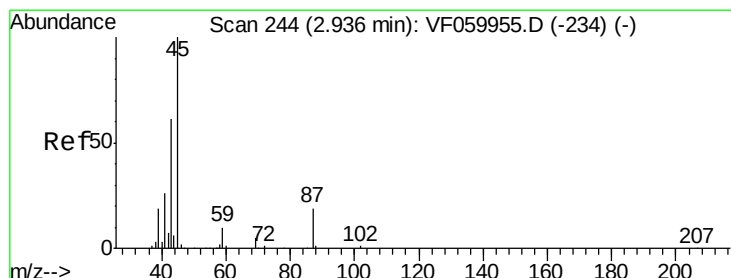
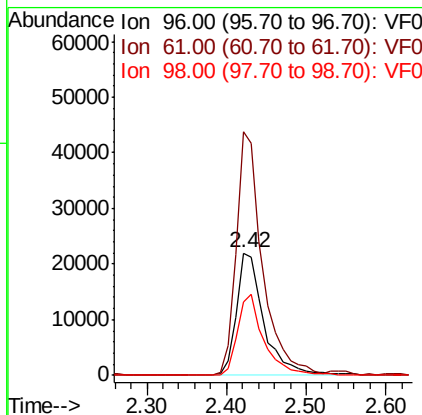
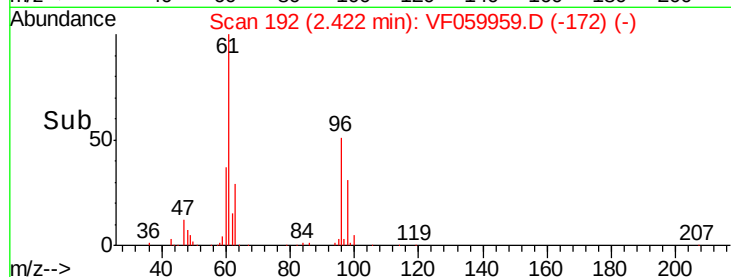
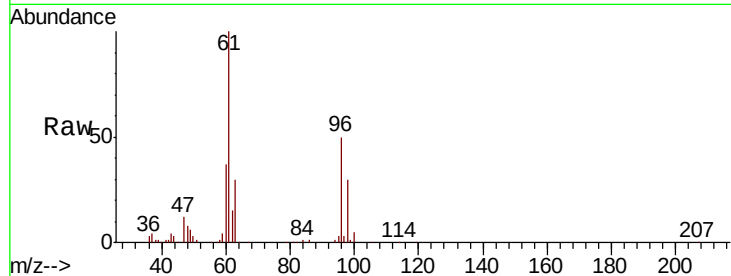
ClientSampleId :

ICVVF081418

Tot Ion:	96	Resp:	52493
Ion	Ratio	Lower	Upper
96	100		
61	198.7	159.5	239.3
98	60.4	53.8	80.6

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#22

Diisopropyl ether

Concen: 50.20 ug/l

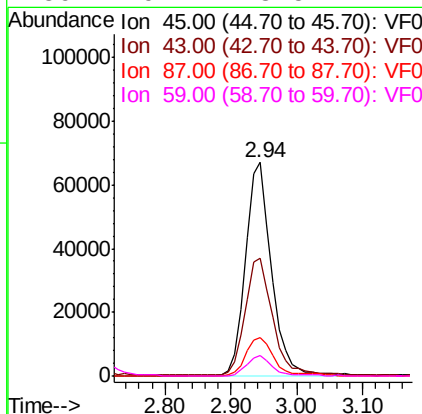
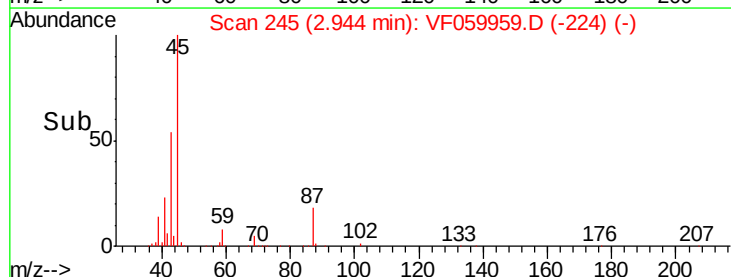
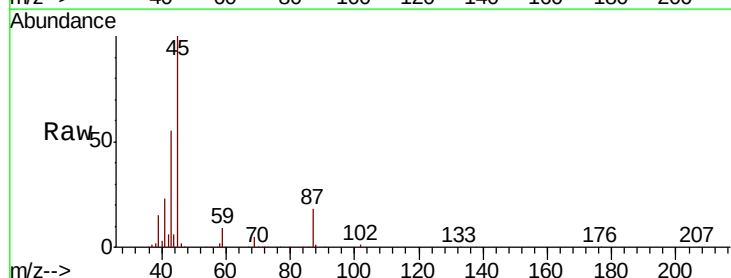
RT: 2.94 min Scan# 245

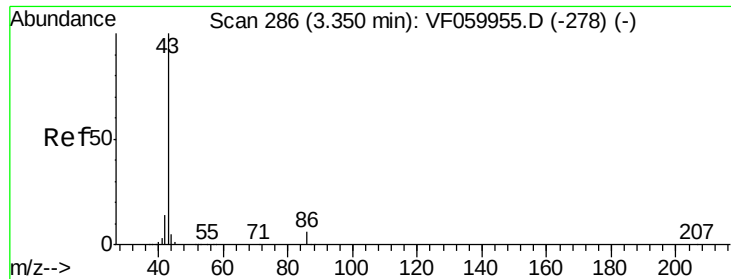
Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion:	45	Resp:	185945
Ion	Ratio	Lower	Upper
45	100		
43	54.9	48.7	73.1
87	17.8	15.3	22.9
59	9.4	8.5	12.7





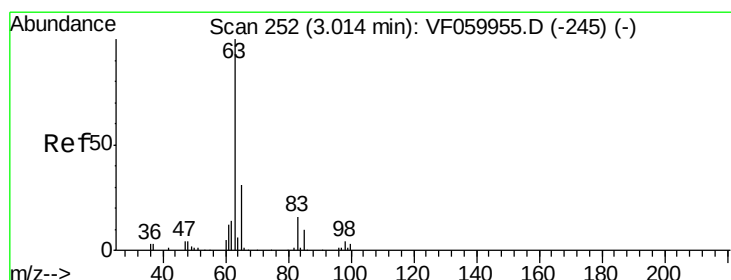
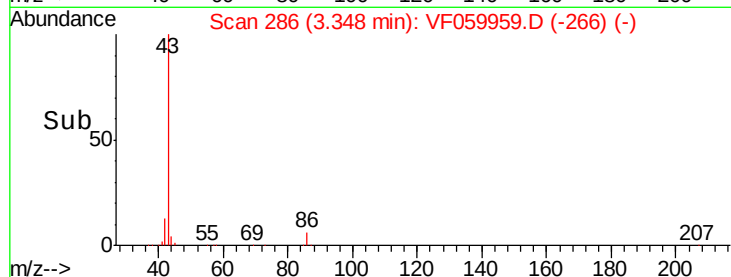
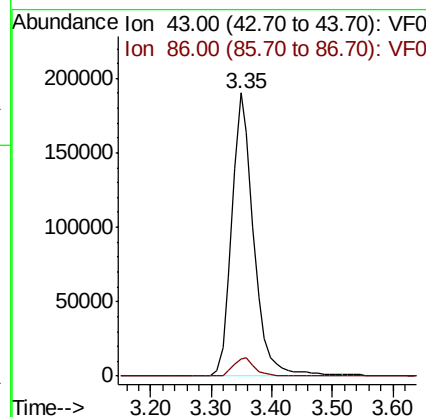
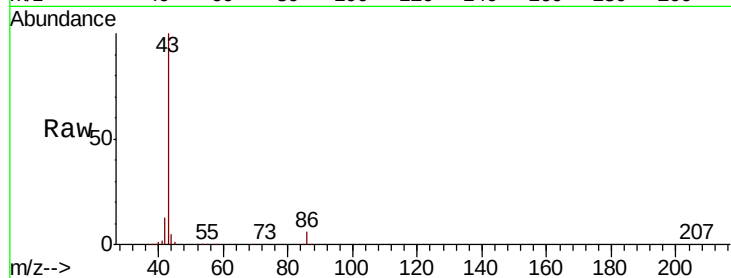
#23
 Vinyl Acetate
 Concen: 258.52 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.2	4.9	7.3

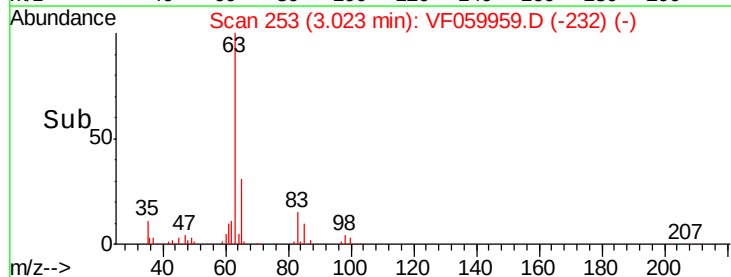
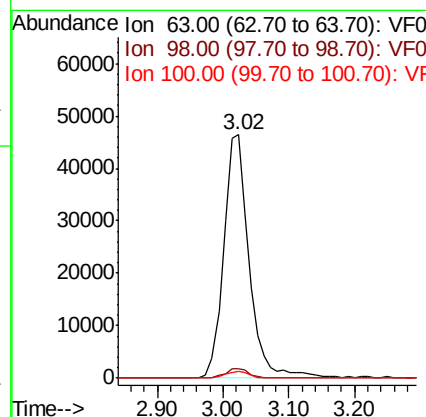
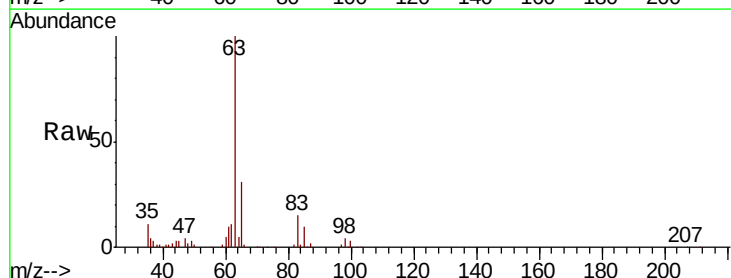
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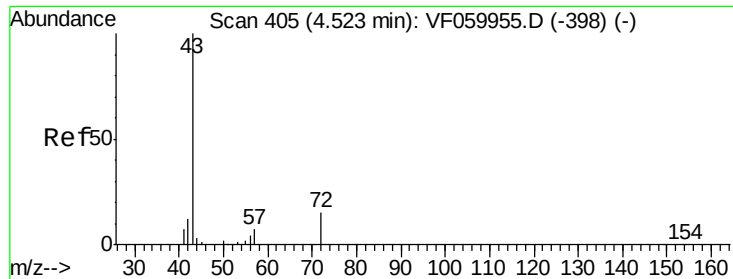
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#24
 1,1-Dichloroethane
 Concen: 47.66 ug/l
 RT: 3.02 min Scan# 253
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.1	6.2
100	3.0	1.7	5.1





#25

2-Butanone

Concen: 243.27 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 43 Resp: 121933

Ion Ratio Lower Upper

43 100

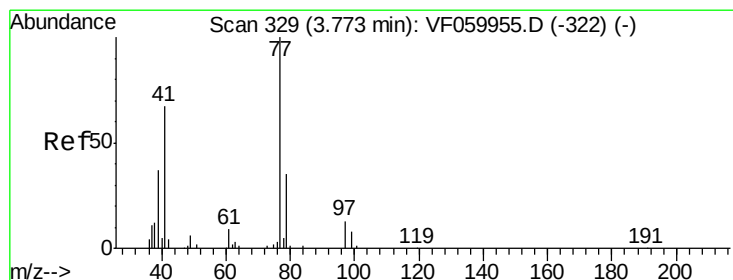
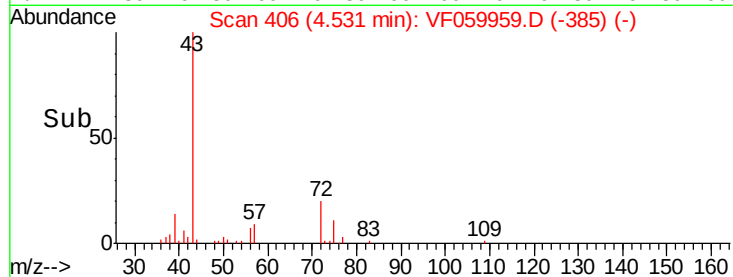
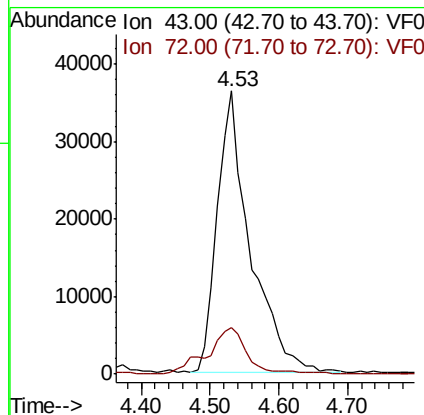
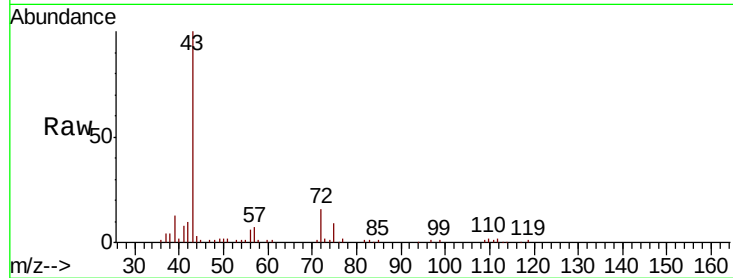
72 16.2 14.6 22.0

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#26

2,2-Dichloropropane

Concen: 45.11 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF059959.D

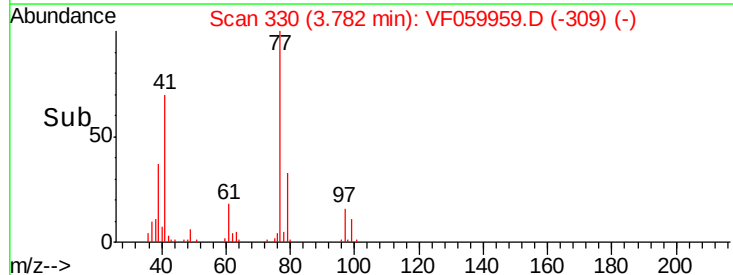
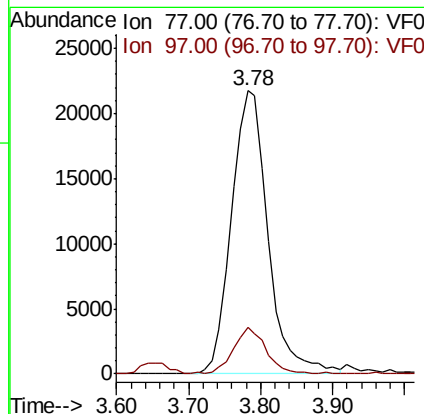
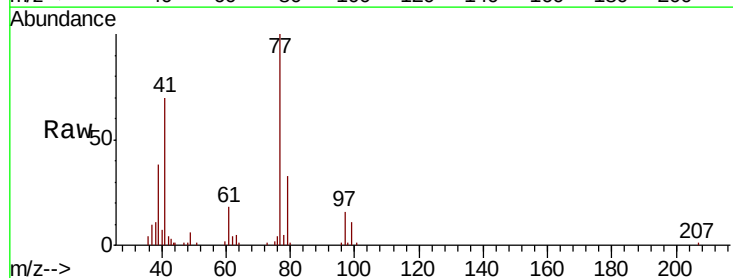
Acq: 14 Aug 2018 22:23

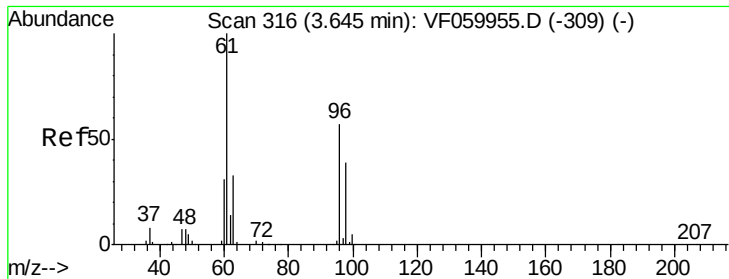
Tgt Ion: 77 Resp: 76809

Ion Ratio Lower Upper

77 100

97 17.8 6.6 19.7





#27

cis-1,2-Dichloroethene

Concen: 51.07 ug/l

RT: 3.65 min Scan# 317

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

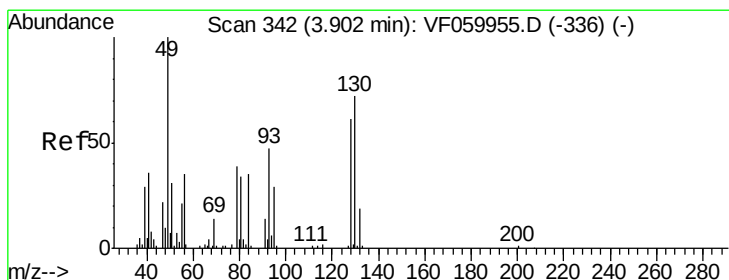
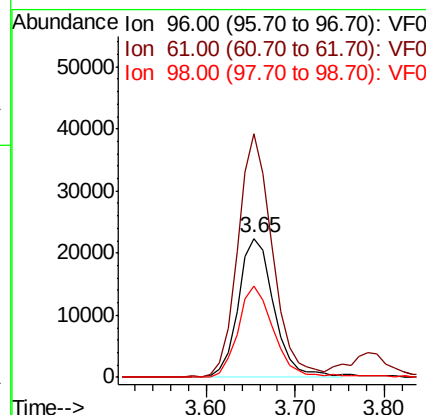
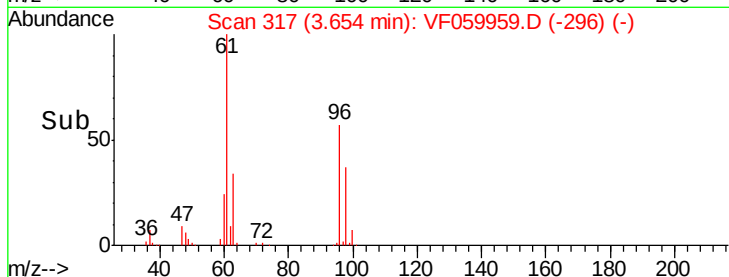
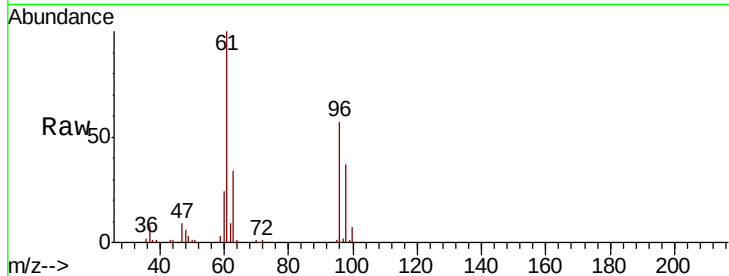
ClientSampleId :

ICVVF081418

Tot Ion:	96	Resp:	62088
Ion Ratio	Lower	Upper	
96	100		
61	175.2	0.0	349.4
98	65.5	0.0	134.6

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#28

Bromochloromethane

Concen: 47.71 ug/l

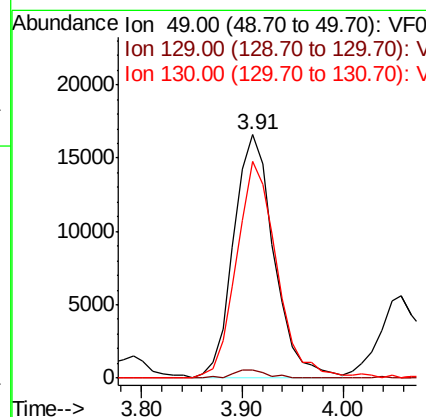
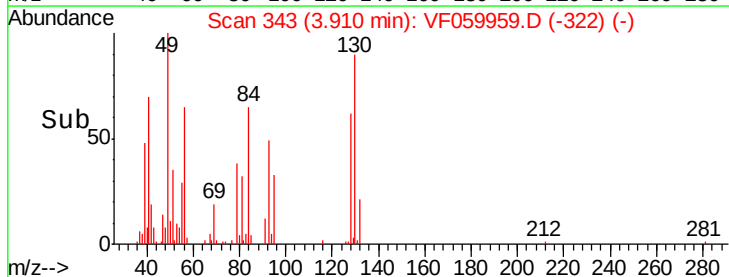
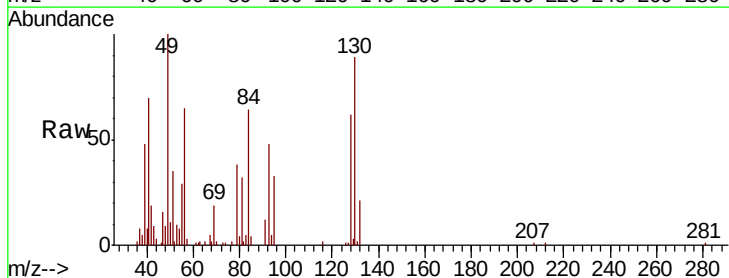
RT: 3.91 min Scan# 343

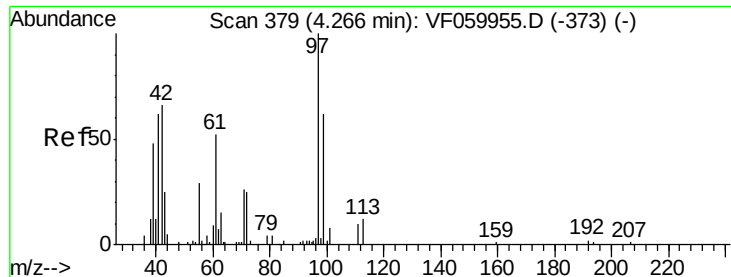
Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion:	49	Resp:	46516
Ion Ratio	Lower	Upper	
49	100		
129	3.4	0.0	4.2
130	89.2	58.1	87.1#





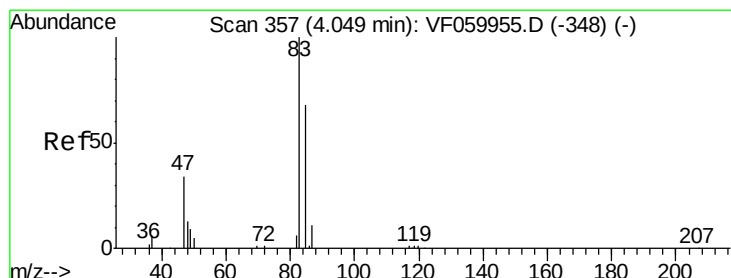
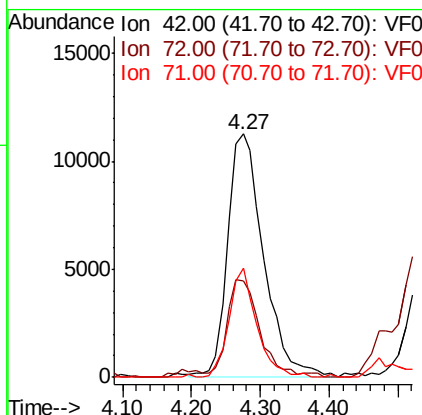
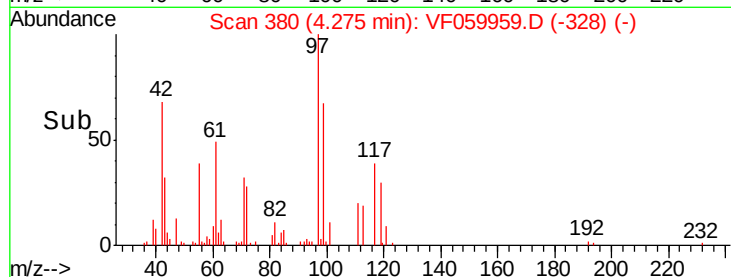
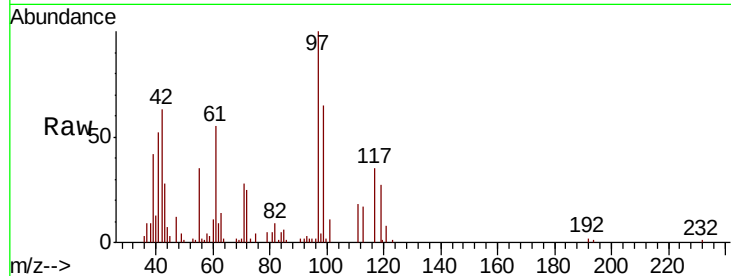
#29
Tetrahydrofuran
Concen: 237.05 ug/l
RT: 4.27 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	27.7	41.5
71	34.6	28.2	42.4

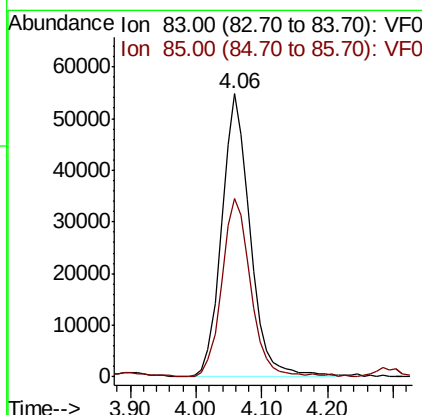
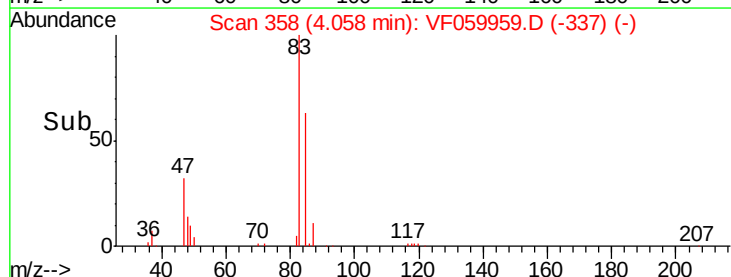
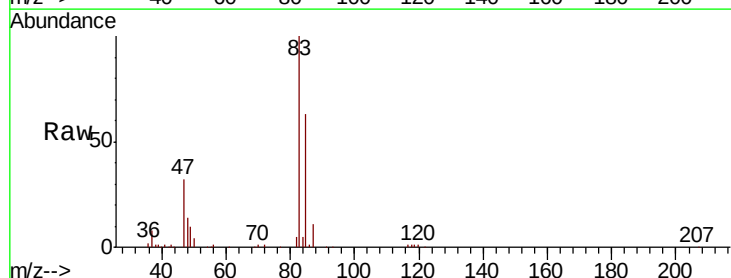
Manual Integrations
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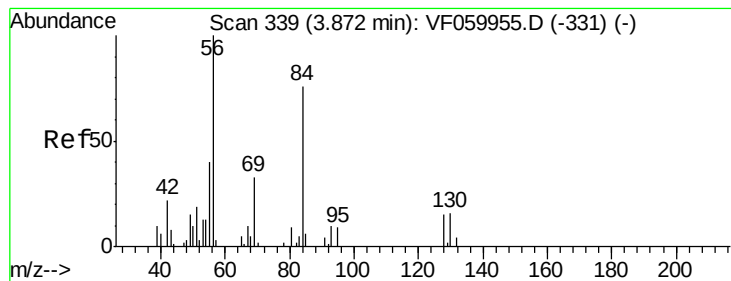
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#30
Chloroform
Concen: 46.14 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	54.4	81.6





#31

Cyclohexane

Concen: 51.40 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.02 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

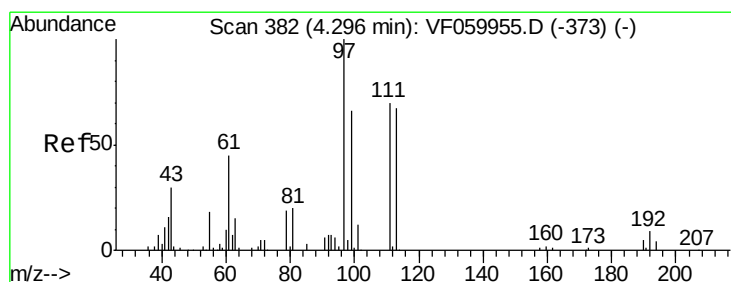
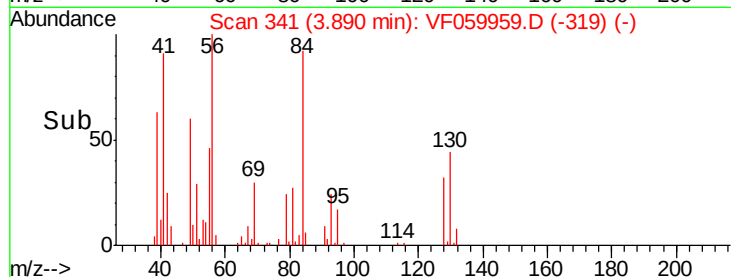
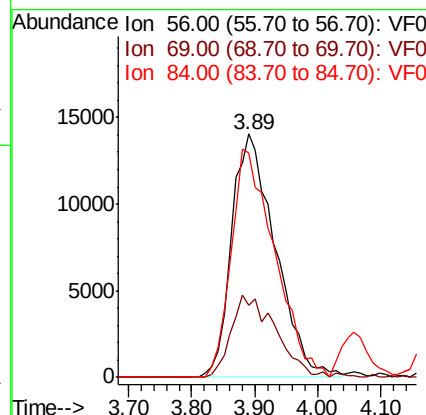
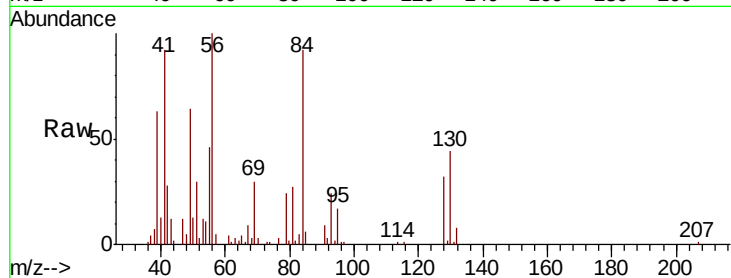
ClientSampleId :

ICVVF081418

Tot Ion:	56	Resp:	67284
Ion Ratio	Lower	Upper	
56	100		
69	29.6	26.2	39.2
84	92.3	61.0	91.4#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 44.80 ug/l

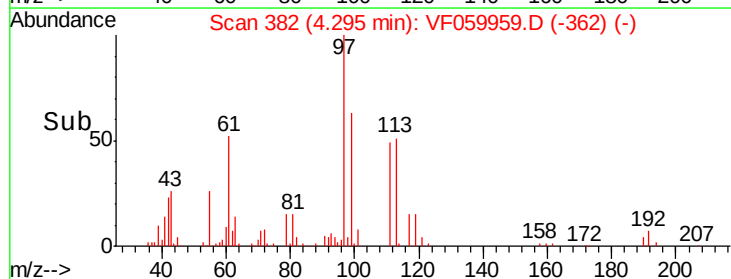
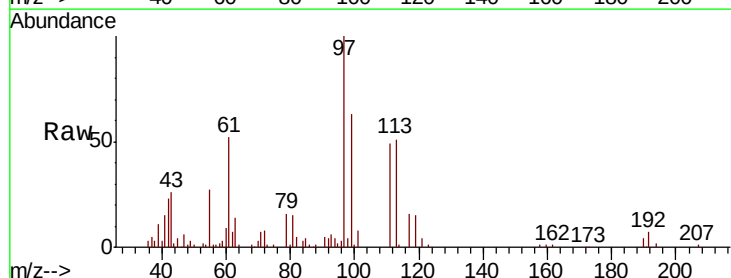
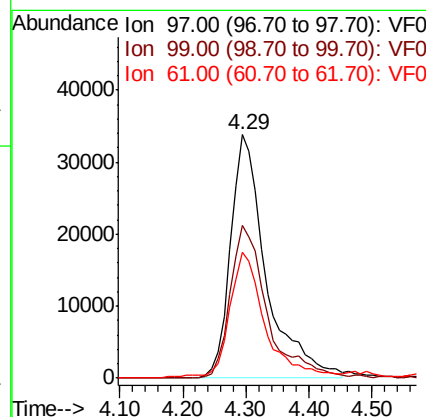
RT: 4.29 min Scan# 382

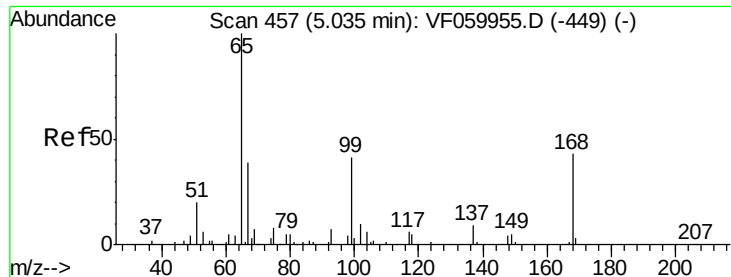
Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion:	97	Resp:	132406
Ion Ratio	Lower	Upper	
97	100		
99	62.9	53.0	79.4
61	51.5	36.6	55.0





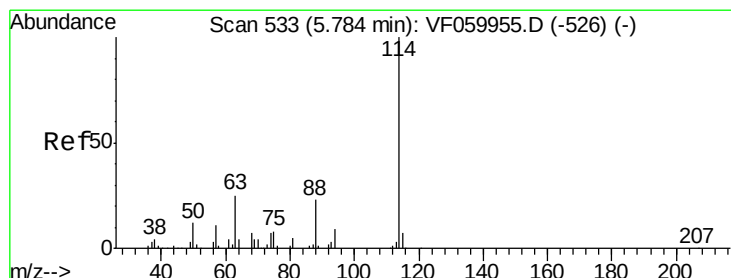
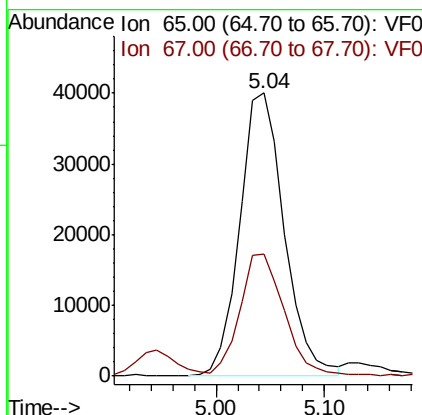
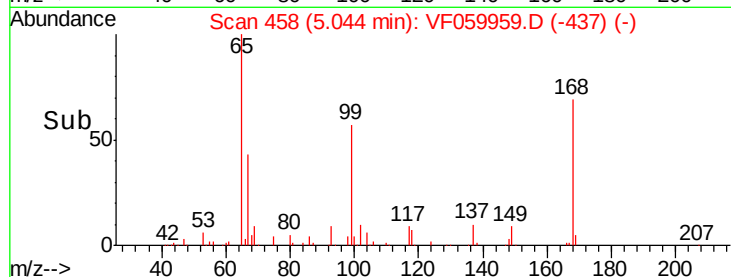
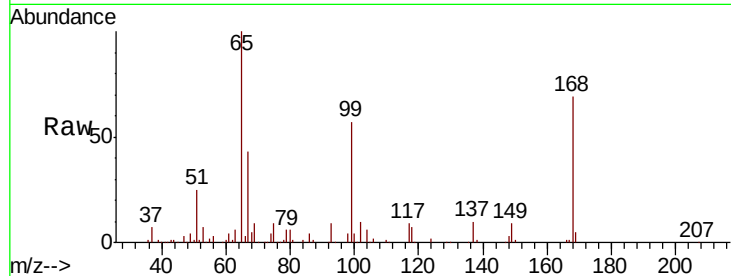
#33
 1,2-Dichloroethane-d4
 Concen: 45.92 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

Tot Ion	Ratio	Resp	Lower	Upper
65	100	114664		
67	43.4	0.0	87.4	

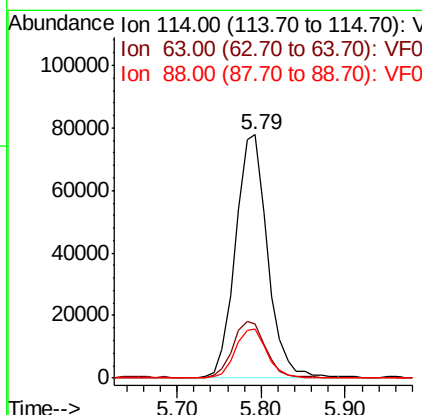
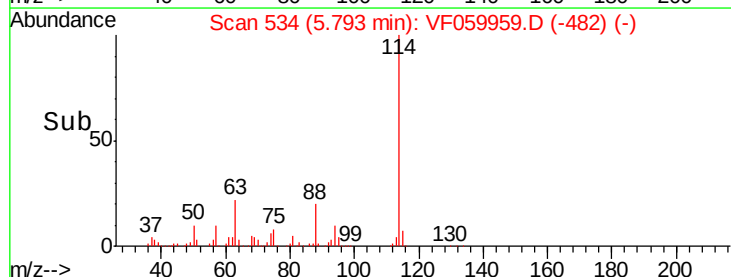
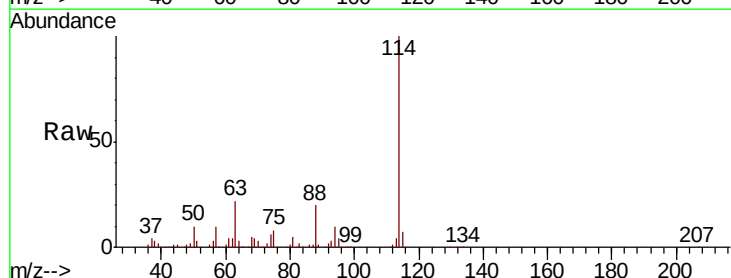
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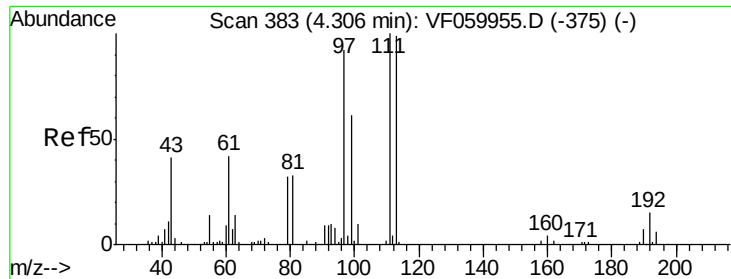
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.79 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	206706		
63	22.4	0.0	50.2	
88	20.2	0.0	46.8	





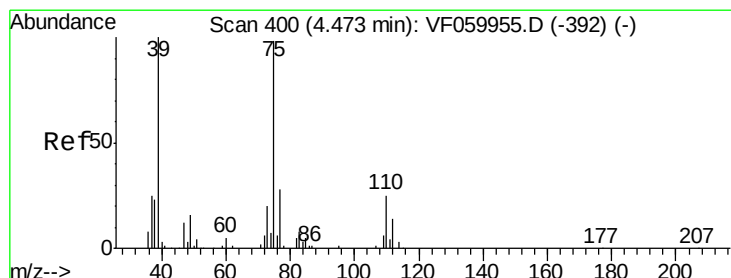
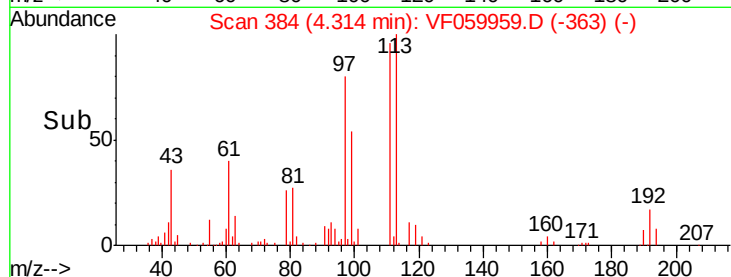
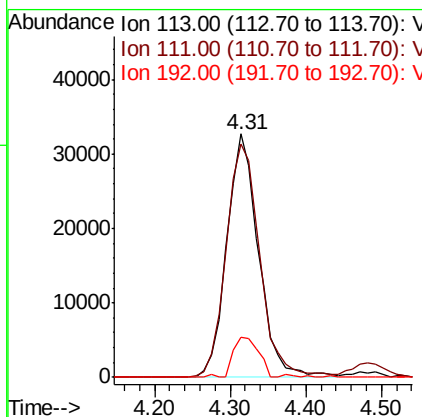
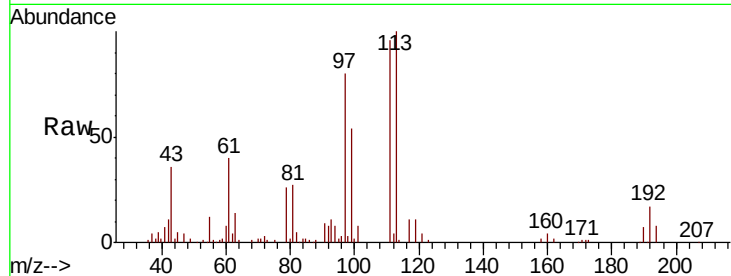
#35
 Dibromofluoromethane
 Concen: 45.81 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV081418

Tot Ion	Ratio	Resp	Lower	Upper
113	100	94885		
111	95.8		80.6	121.0
192	16.6		11.7	17.5

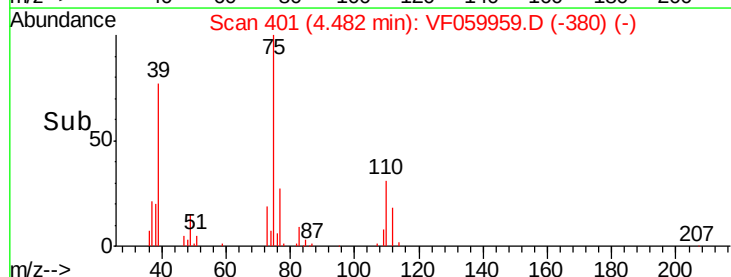
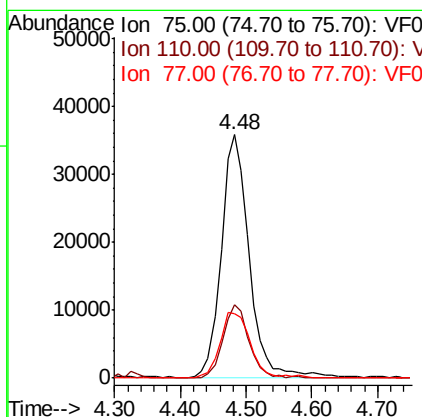
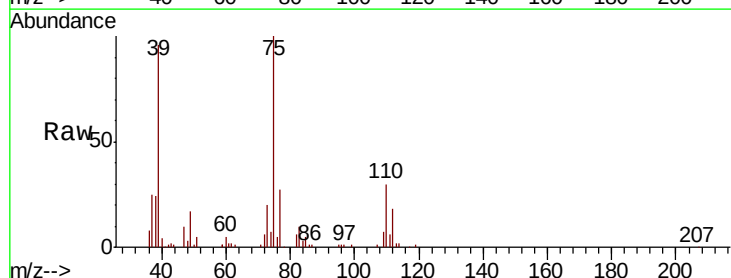
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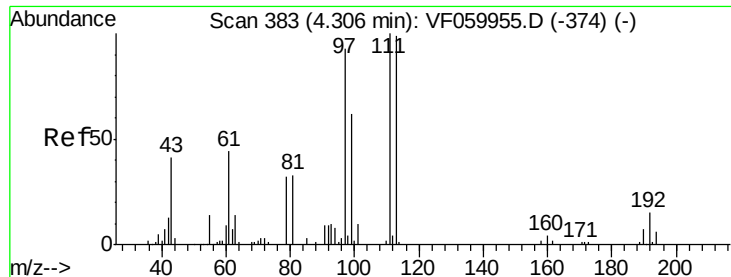
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#36
 1,1-Dichloropropene
 Concen: 46.52 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106814		
110	30.4		12.6	37.8
77	26.7		22.7	34.1





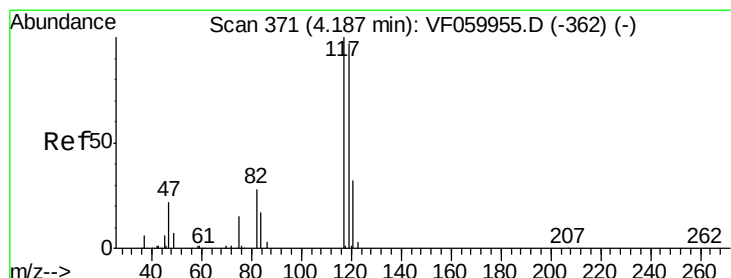
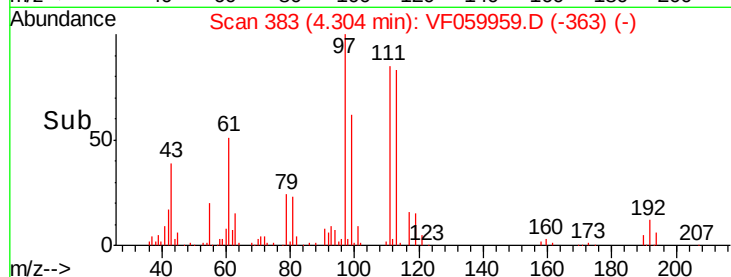
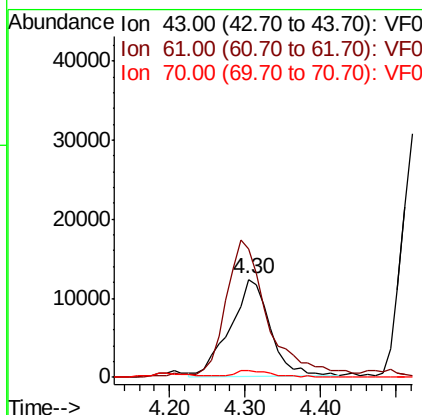
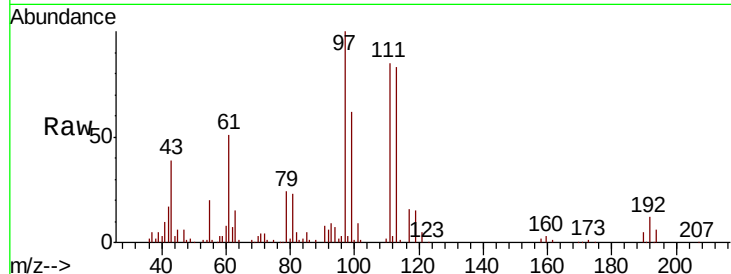
#37
Ethyl Acetate
Concen: 45.26 ug/l
RT: 4.30 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						44469
61	130.2				84.3	126.5	#
70	7.5				5.5	8.3	

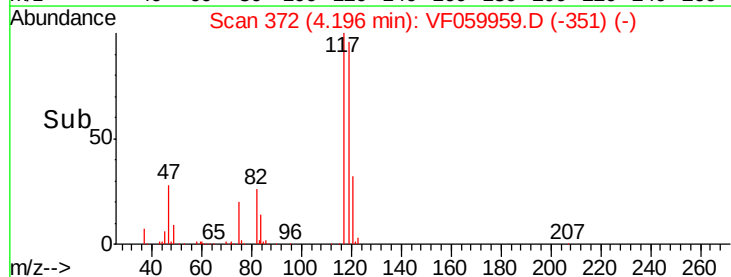
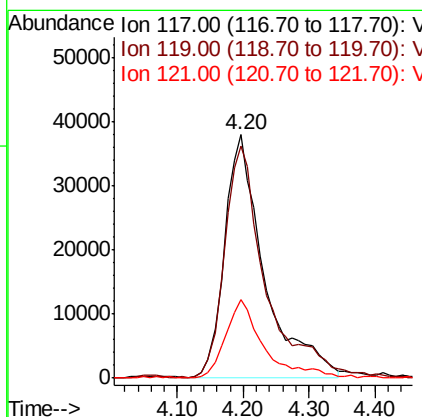
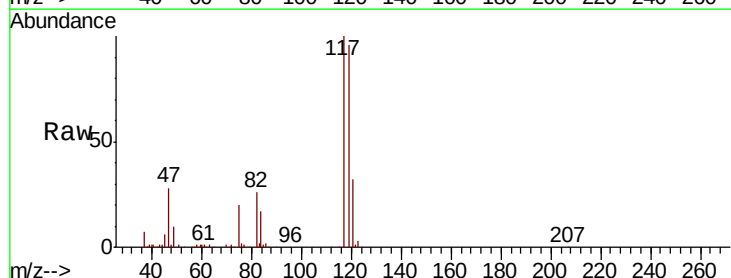
Manual Integrations
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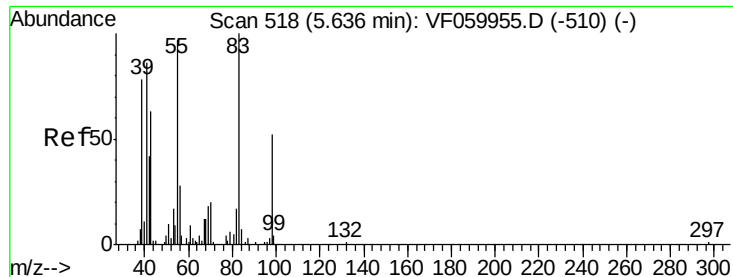
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#38
Carbon Tetrachloride
Concen: 42.18 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						161281
119	95.6				76.9	115.3	
121	32.3				24.9	37.3	





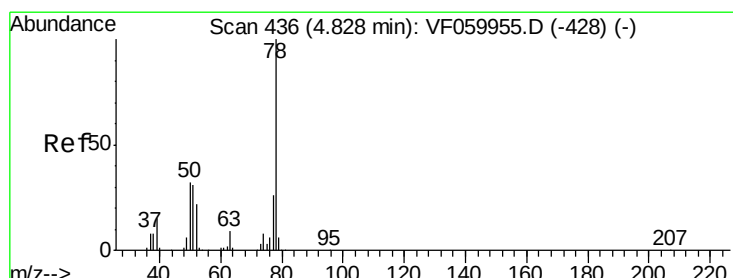
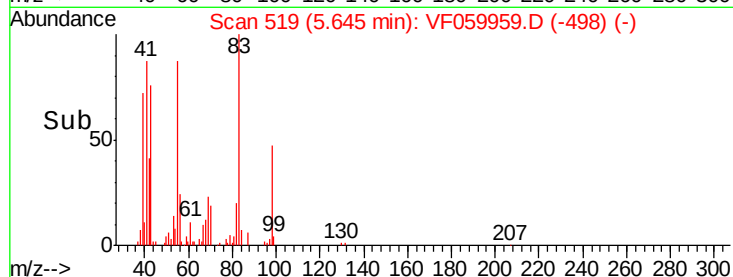
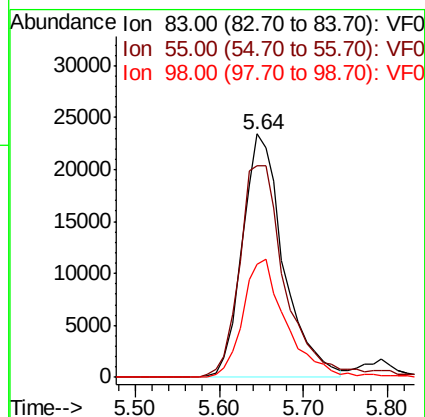
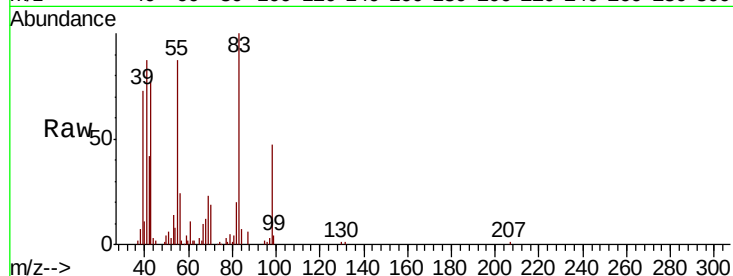
#39
Methylvlcyclohexane
Concen: 48.13 ug/l
RT: 5.64 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.8	77.4	116.2
98	46.7	41.5	62.3

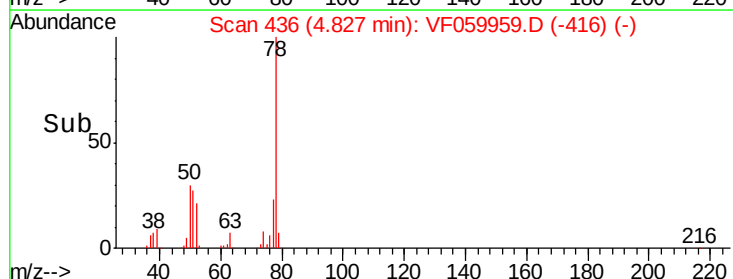
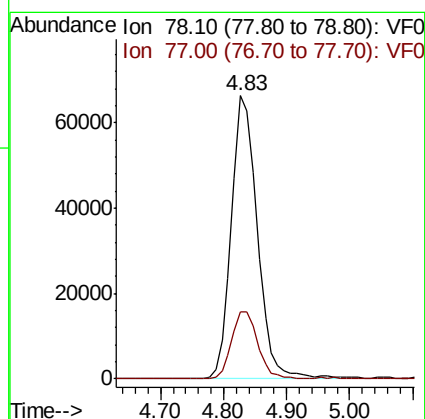
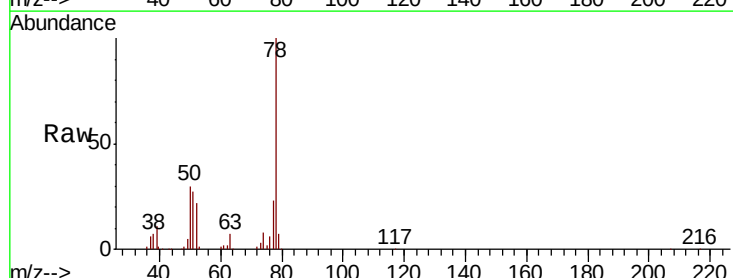
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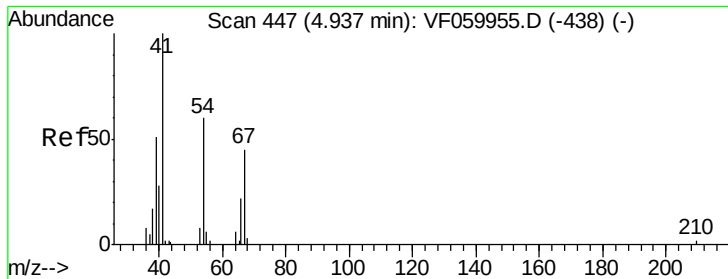
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#40
Benzene
Concen: 48.71 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	21.1	31.7





#41

Methacrylonitrile

Concen: 47.24 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 41 Resp: 22892

Ion Ratio Lower Upper

41 100

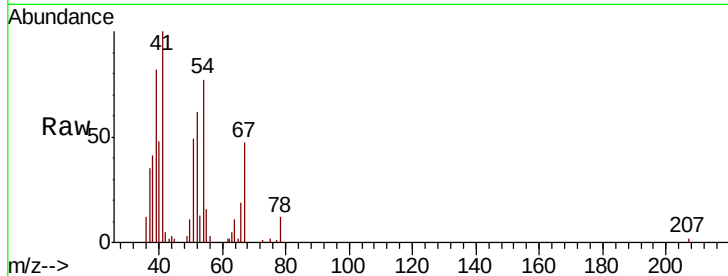
39 81.7 75.7 113.5

67 47.3 36.1 54.1

52 61.7 48.0 72.0

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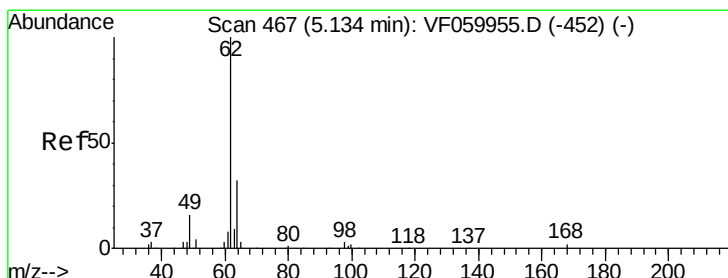
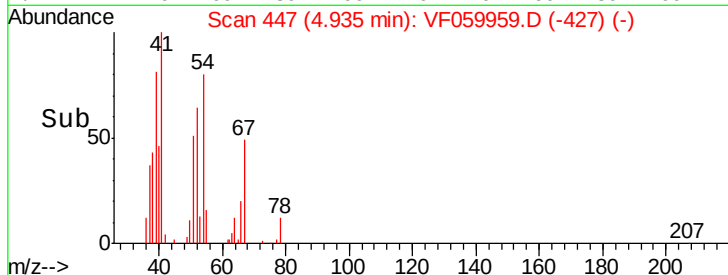
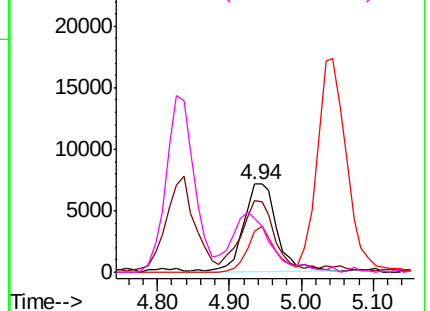
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 43.03 ug/l

RT: 5.13 min Scan# 467

Delta R.T. -0.00 min

Lab File: VF059959.D

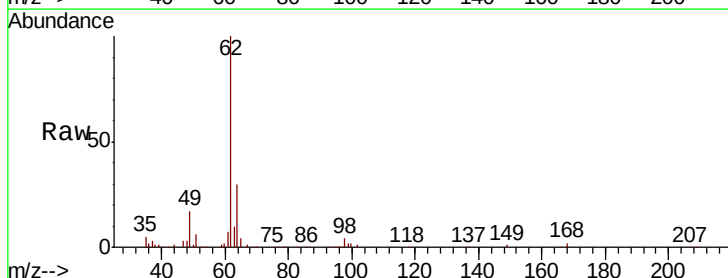
Acq: 14 Aug 2018 22:23

Tgt Ion: 62 Resp: 132880

Ion Ratio Lower Upper

62 100

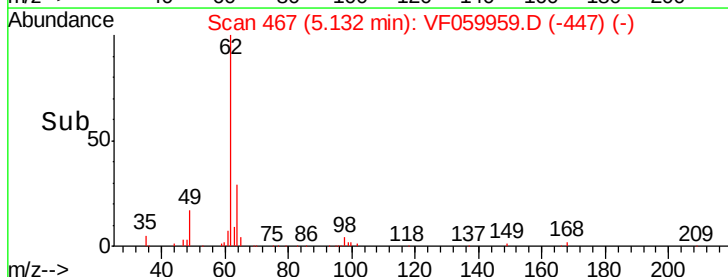
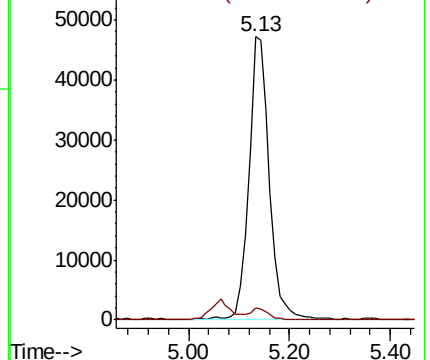
98 4.2 0.0 5.0

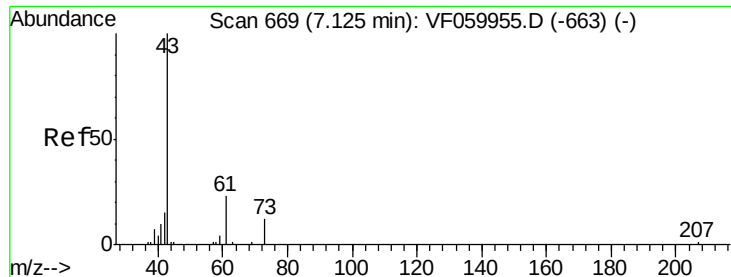


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





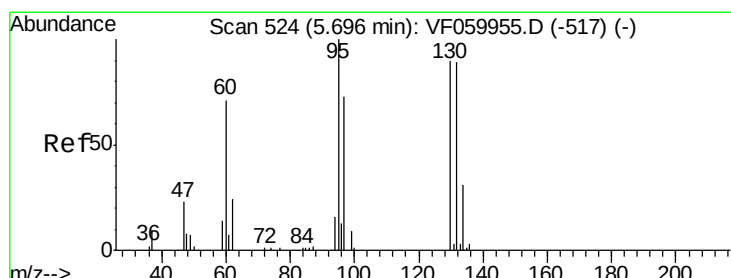
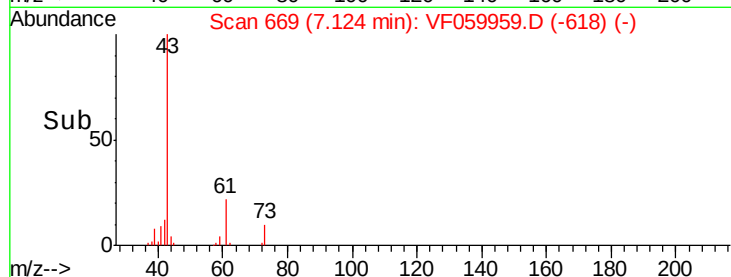
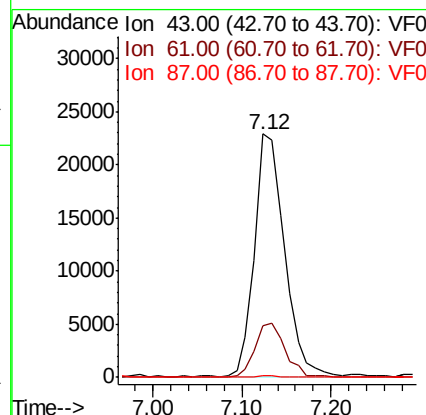
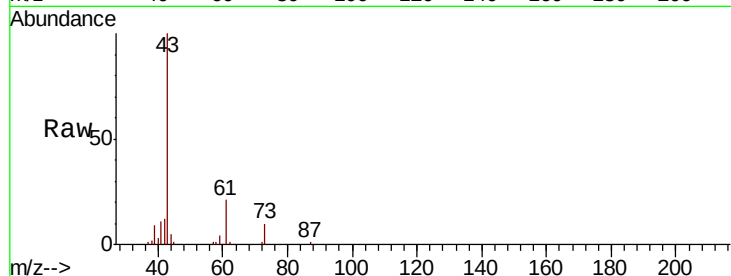
#43
Isopropyl Acetate
Concen: 50.09 ug/l
RT: 7.12 min Scan# 669
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	18.6	27.8
87	0.9	0.0	0.0#

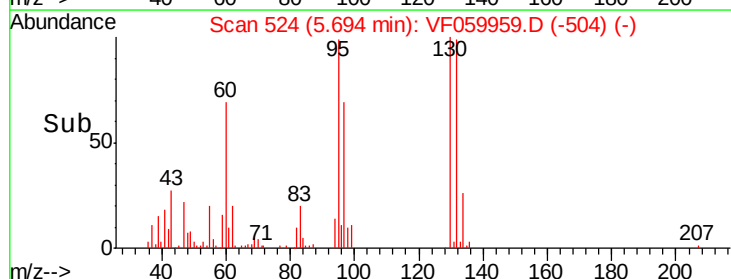
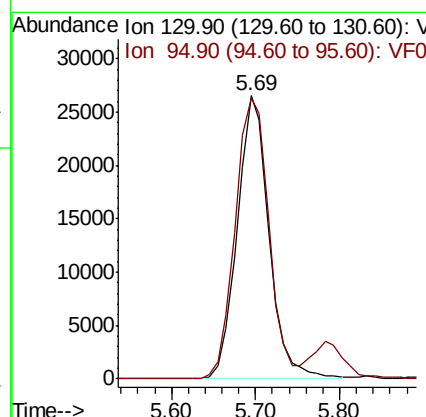
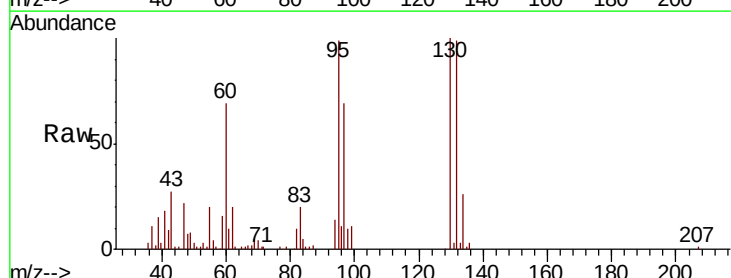
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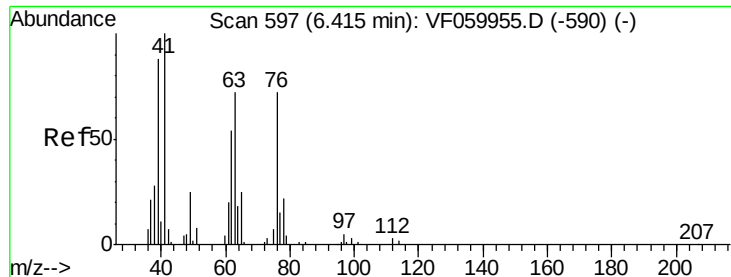
apatel
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#44
Trichloroethene
Concen: 46.56 ug/l
RT: 5.69 min Scan# 524
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	222.0





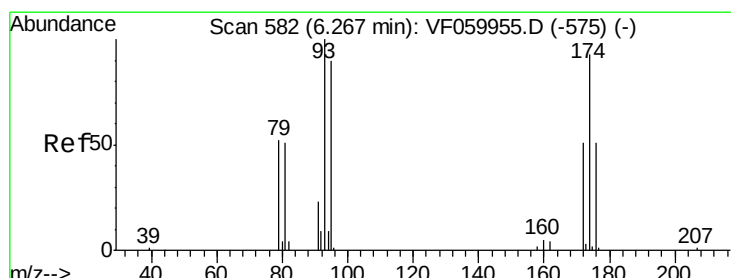
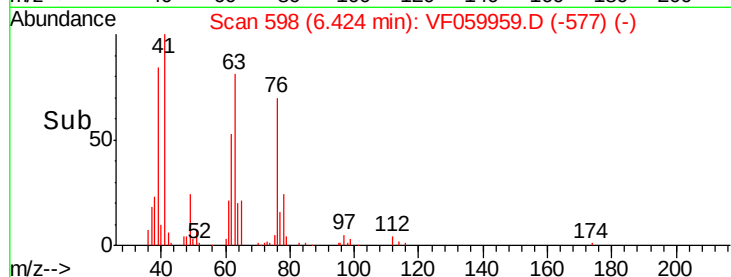
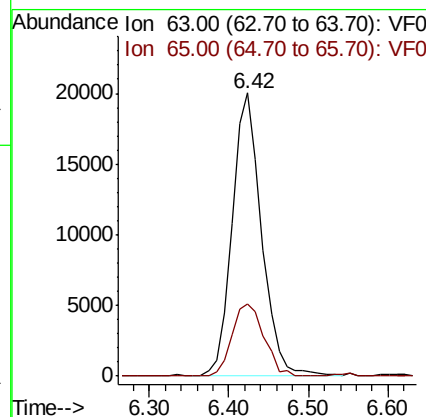
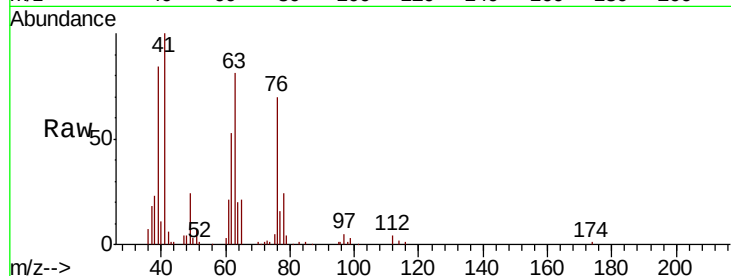
#45
 1,2-Dichloropropane
 Concen: 50.22 ug/l
 RT: 6.42 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

Tot Ion: 63 Resp: 51627
 Ion Ratio Lower Upper
 63 100
 65 25.5 27.8 41.6#

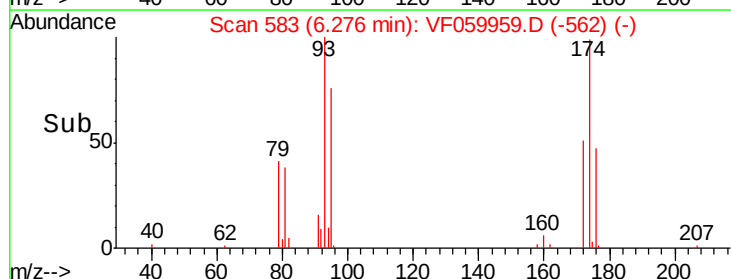
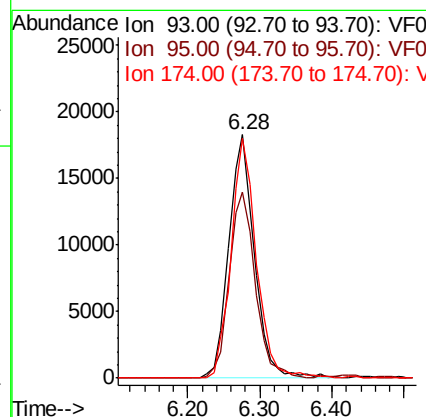
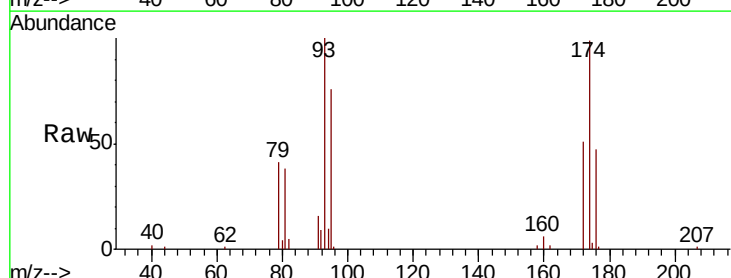
Manual Integrations
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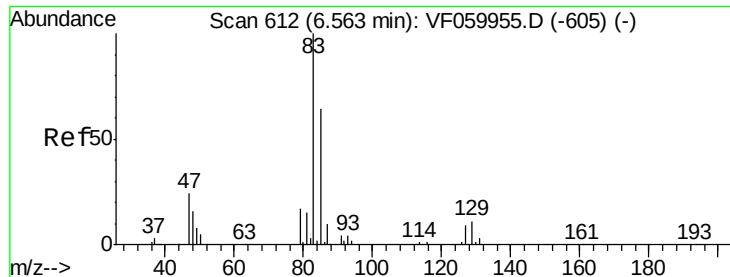
apatel
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#46
 Dibromomethane
 Concen: 44.32 ug/l
 RT: 6.28 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion: 93 Resp: 44951
 Ion Ratio Lower Upper
 93 100
 95 76.6 72.4 108.6
 174 98.7 75.9 113.9





#47

Bromodichloromethane

Concen: 43.62 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

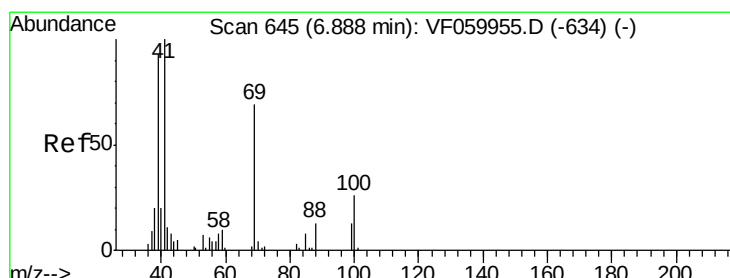
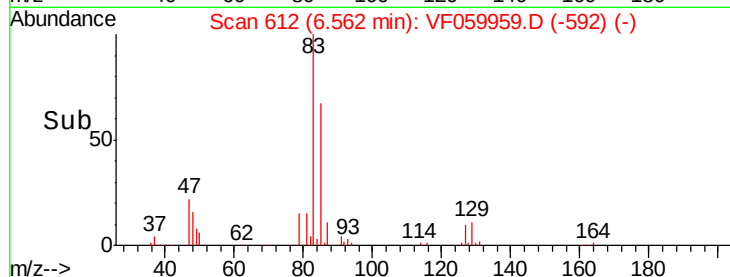
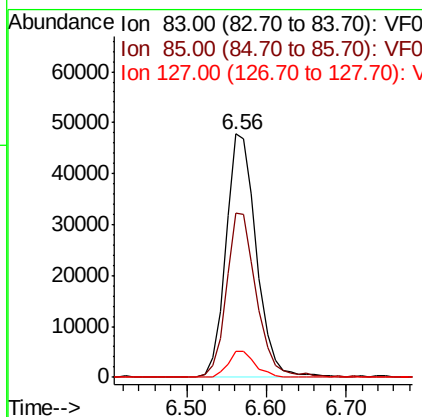
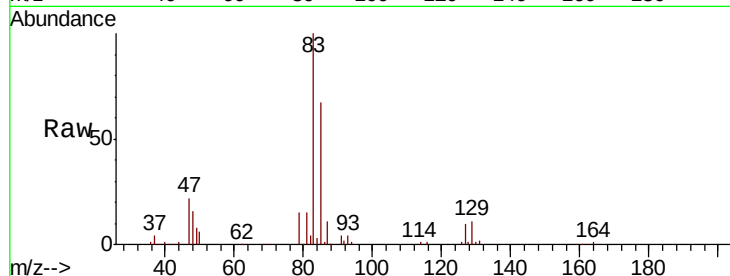
ClientSampleId :

ICVVF081418

Tot Ion:	83	Resp:	127681
Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.5	77.3
127	10.7	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.30 ug/l

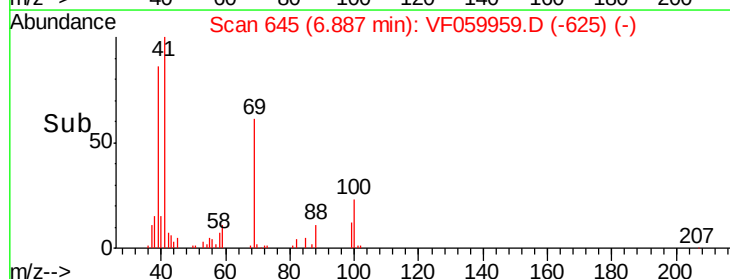
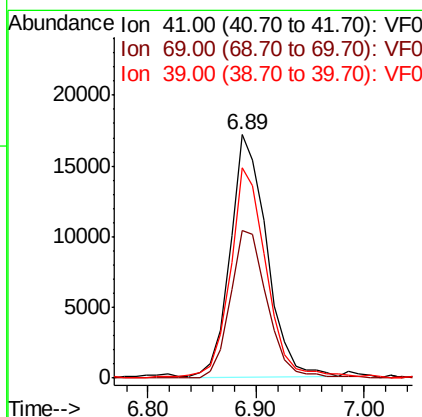
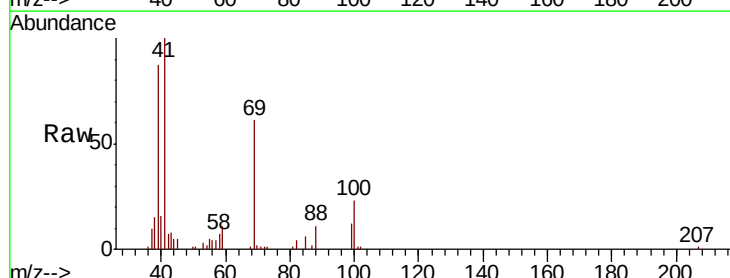
RT: 6.89 min Scan# 645

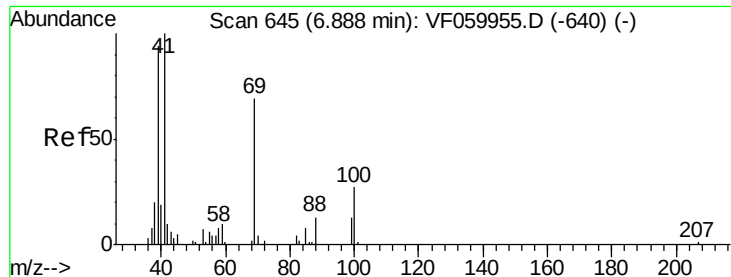
Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion:	41	Resp:	40130
Ion	Ratio	Lower	Upper
41	100		
69	60.5	54.8	82.2
39	86.6	75.1	112.7





#49

1,4-Dioxane

Concen: 846.50 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

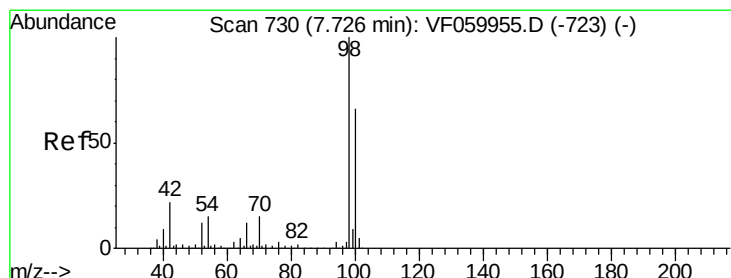
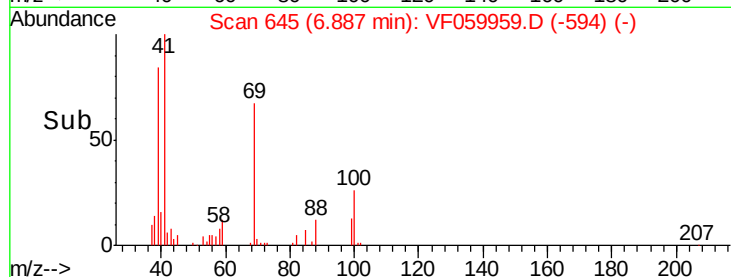
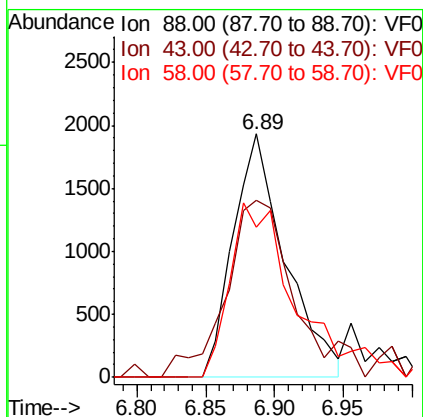
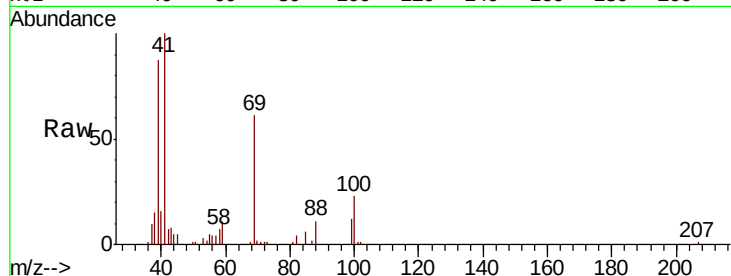
ClientSampleId :

ICVVF081418

Tot Ion	Ratio	Lower	Upper
88	100		
43	72.9	47.9	71.9#
58	61.5	52.0	78.0

Manual Integrations
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#50

Toluene-d8

Concen: 50.83 ug/l

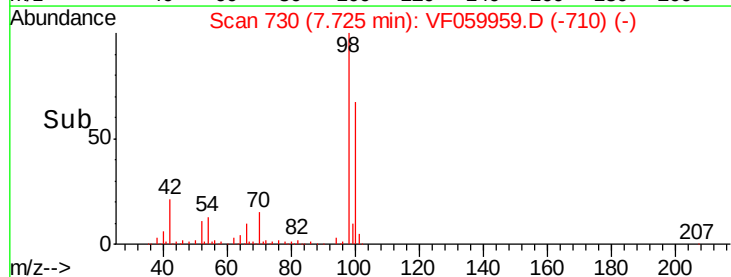
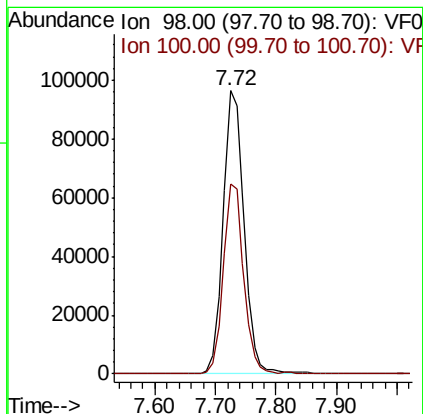
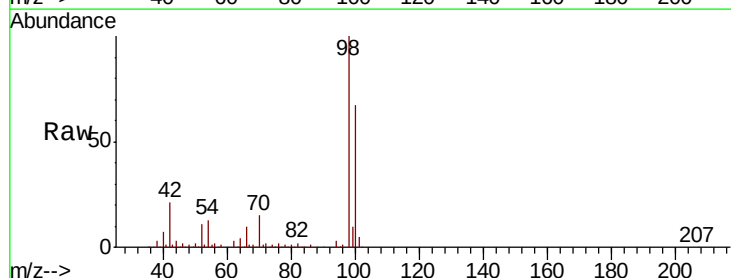
RT: 7.72 min Scan# 730

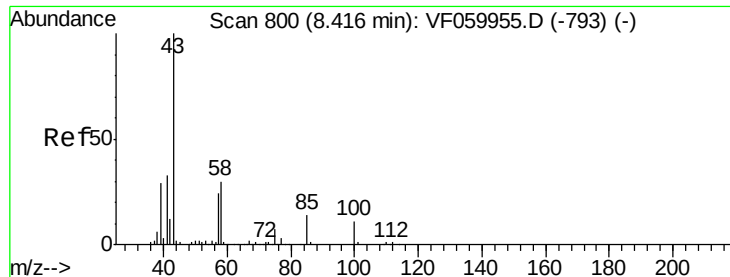
Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 233.43 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 43 Resp: 242223

Ion Ratio Lower Upper

43 100

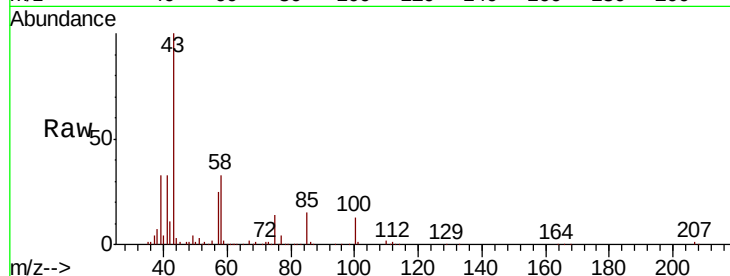
58 32.5 24.2 36.4

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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

100000

80000

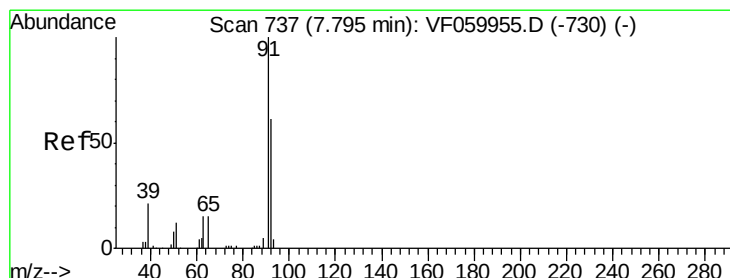
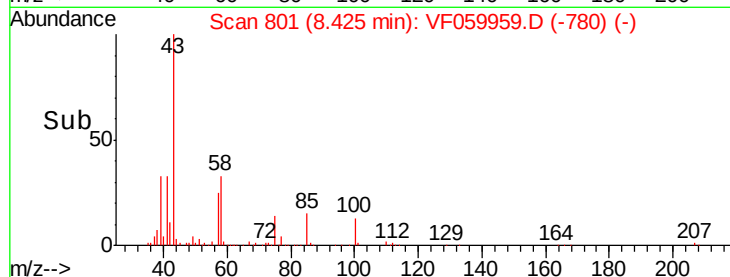
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 47.11 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059959.D

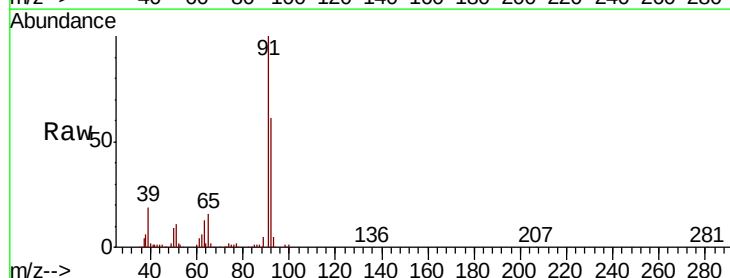
Acq: 14 Aug 2018 22:23

Tgt Ion: 92 Resp: 135630

Ion Ratio Lower Upper

92 100

91 163.0 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

100000

80000

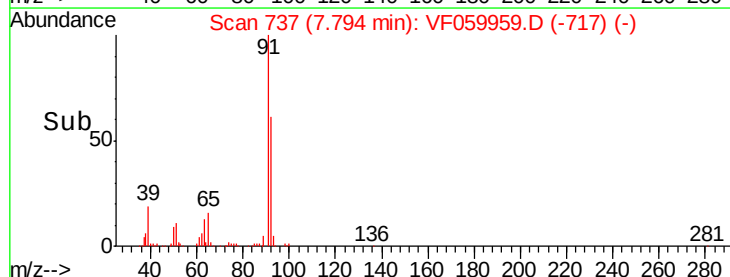
60000

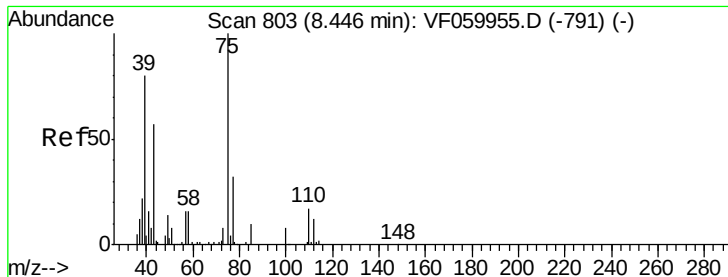
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 44.60 ug/l

RT: 8.44 min Scan# 803

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 75 Resp: 106772

Ion Ratio Lower Upper

75 100

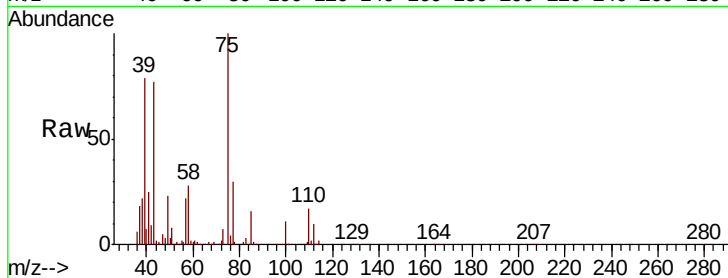
77 30.2 25.8 38.6

Manual Integrations

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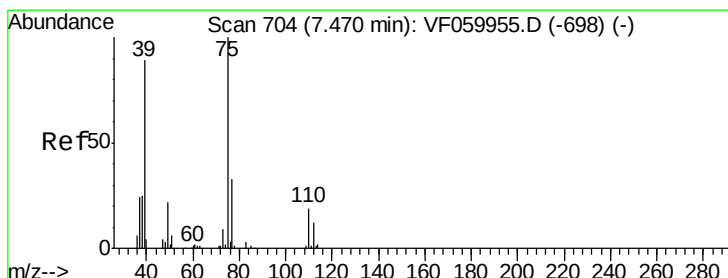
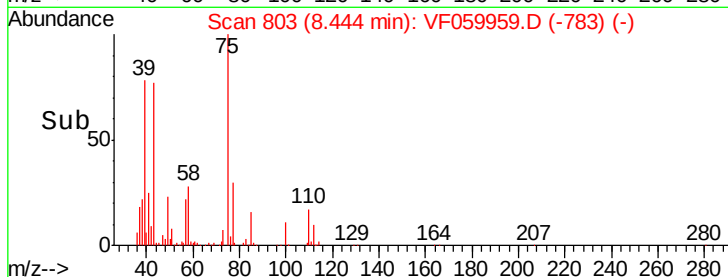
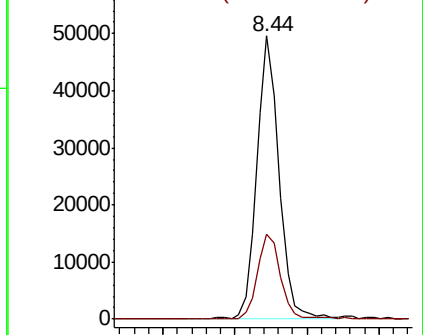
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 49.31 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

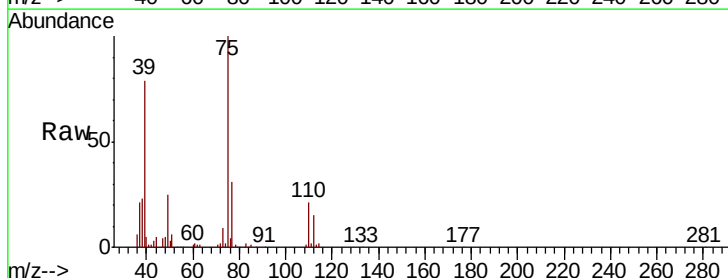
Tgt Ion: 75 Resp: 113608

Ion Ratio Lower Upper

75 100

77 30.6 26.1 39.1

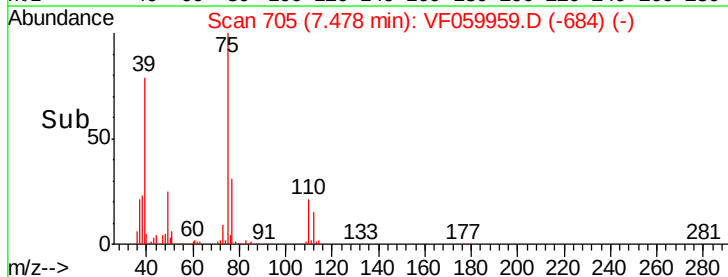
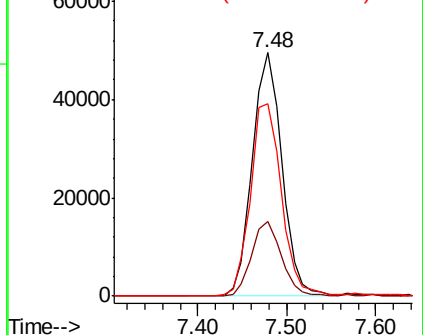
39 79.0 71.6 107.4

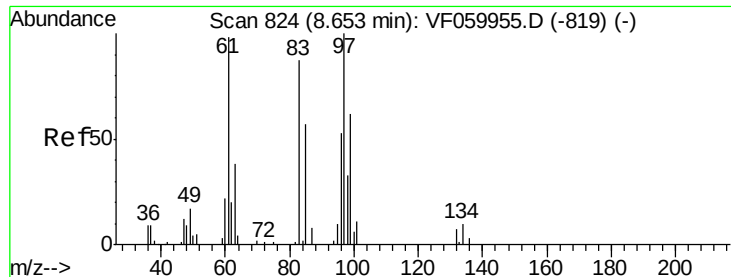


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 48.64 ug/l

RT: 8.65 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

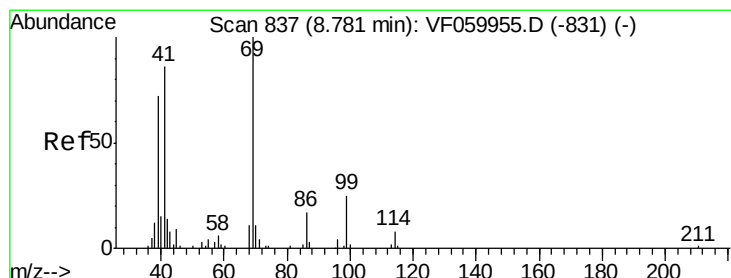
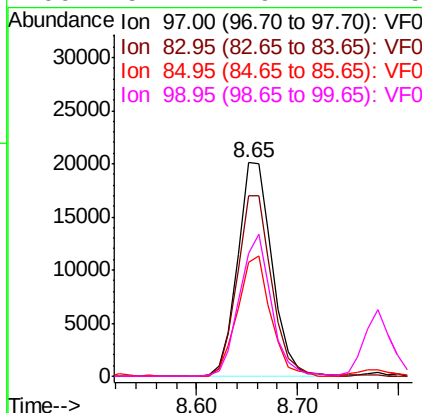
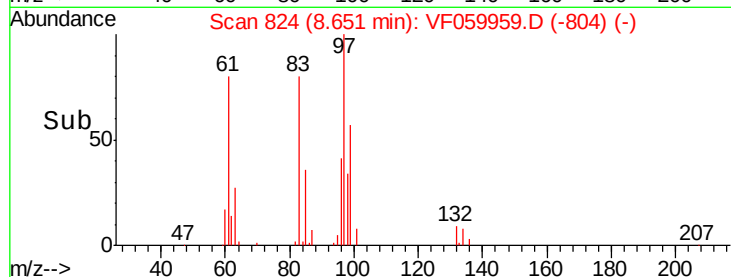
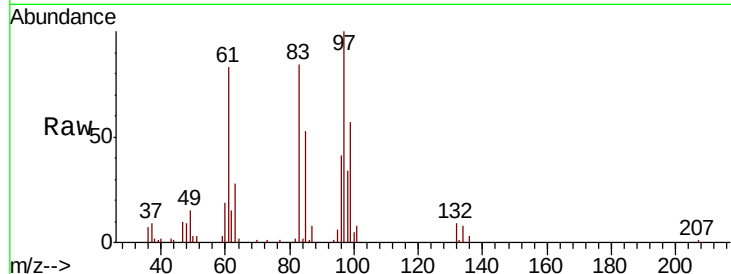
ClientSampleId :

ICVVF081418

Tot Ion:	97	Resp:	47861
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.0	105.0
85	53.4	45.2	67.8
99	57.4	49.7	74.5

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#56

Ethyl methacrylate

Concen: 52.03 ug/l

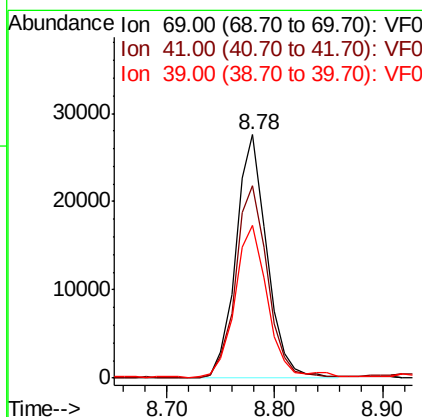
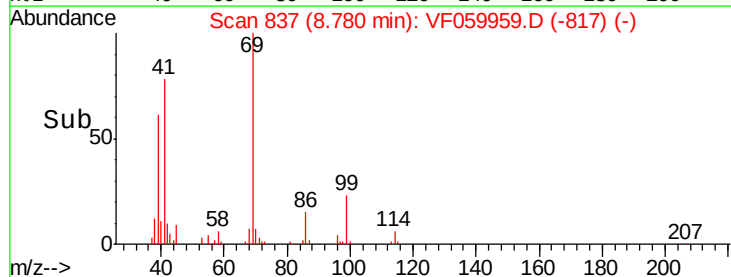
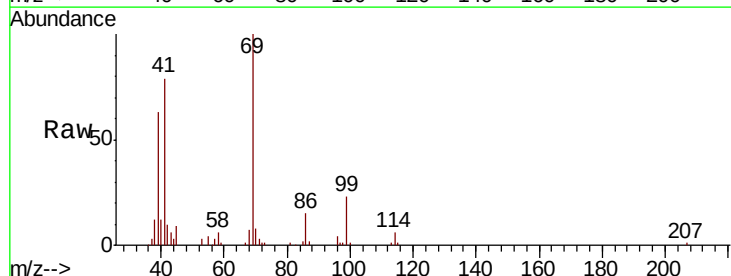
RT: 8.78 min Scan# 837

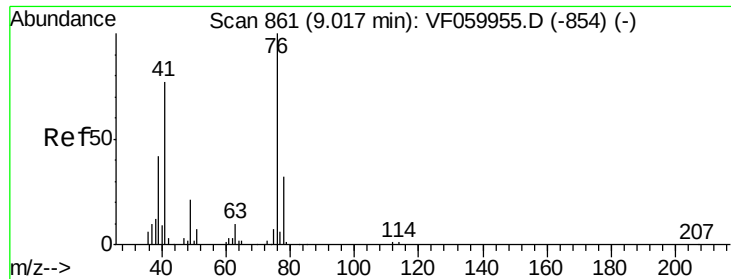
Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion:	69	Resp:	54992
Ion	Ratio	Lower	Upper
69	100		
41	78.9	68.7	103.1
39	62.7	58.5	87.7





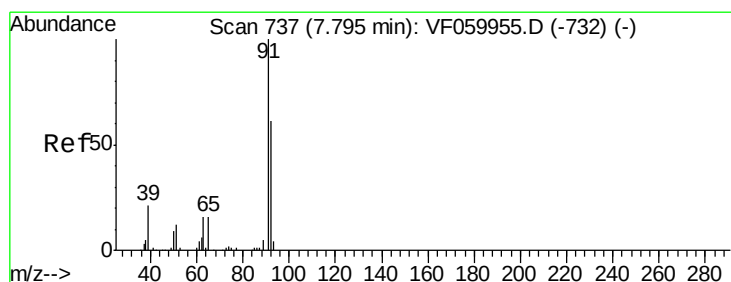
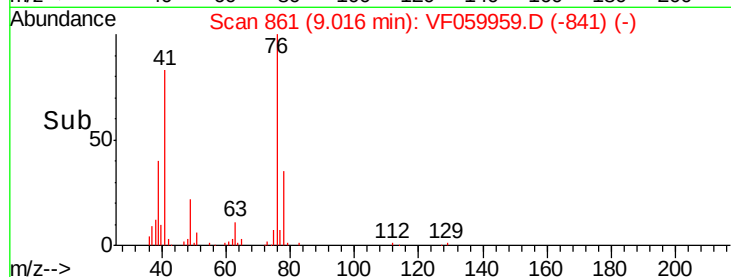
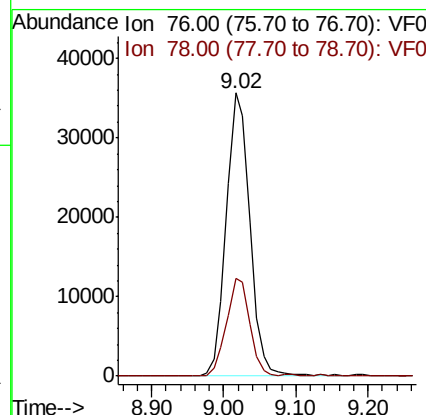
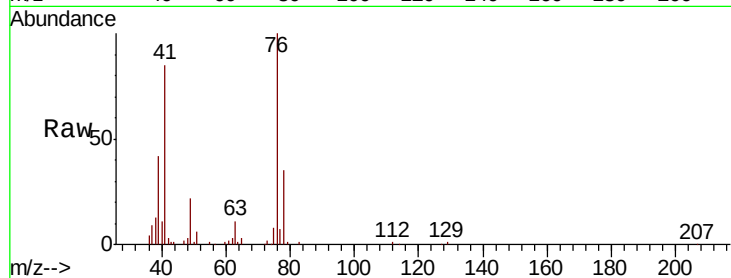
#57
 1,3-Dichloropropane
 Concen: 44.64 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.5	25.5	38.3

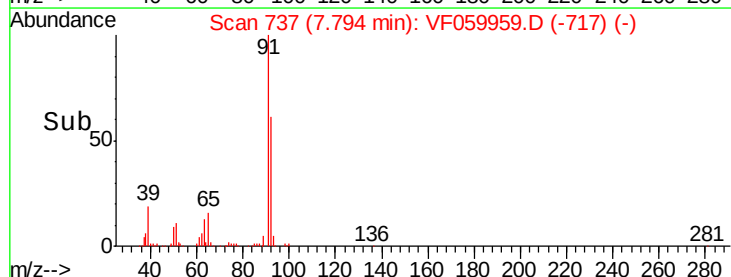
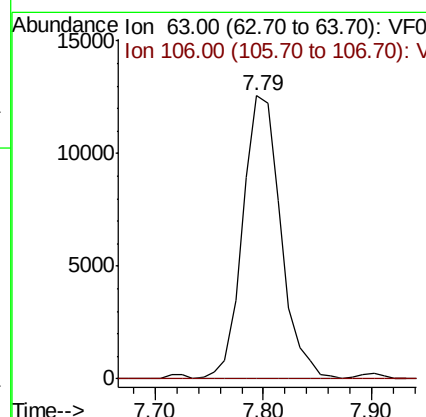
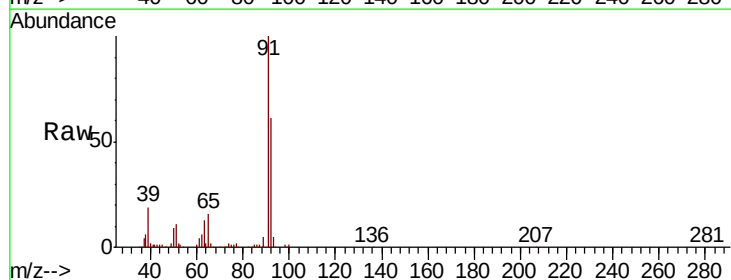
Manual Integrations
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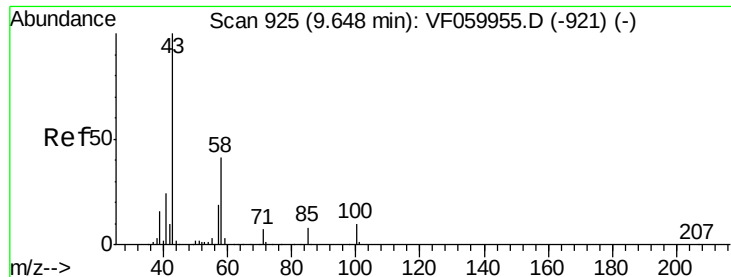
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#58
 2-Chloroethyl Vinyl ether
 Concen: 216.60 ug/l
 RT: 7.79 min Scan# 737
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





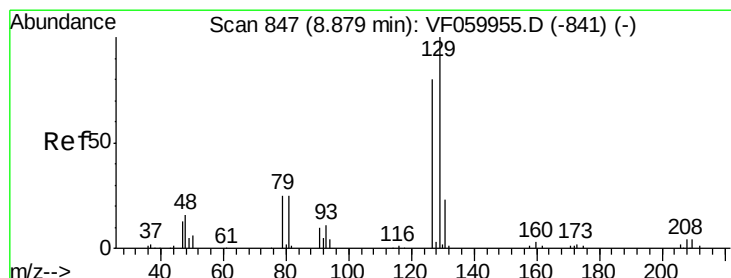
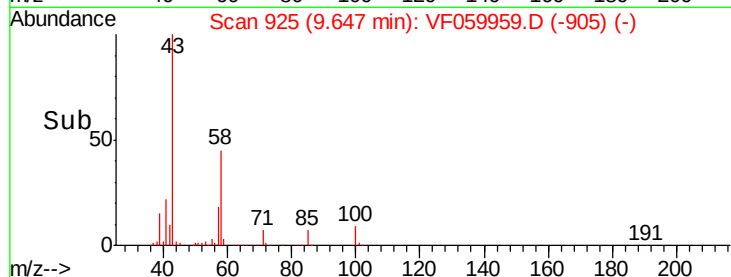
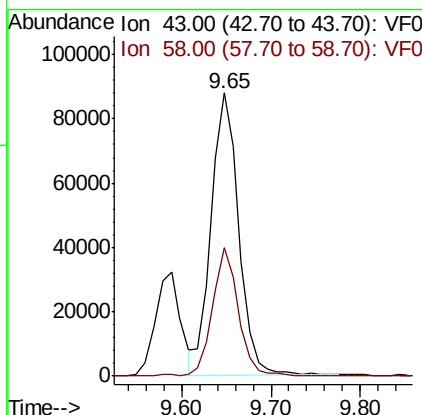
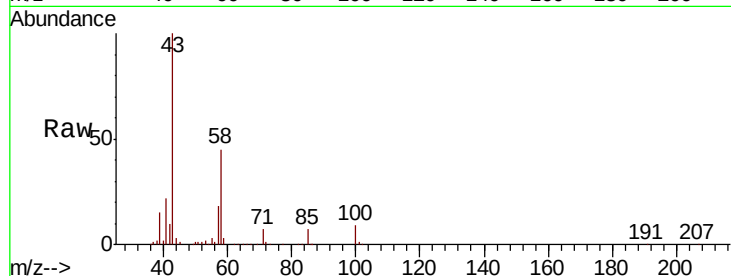
#59
2-Hexanone
Concen: 250.45 ug/l
RT: 9.65 min Scan# 925
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.2	19.4	58.2

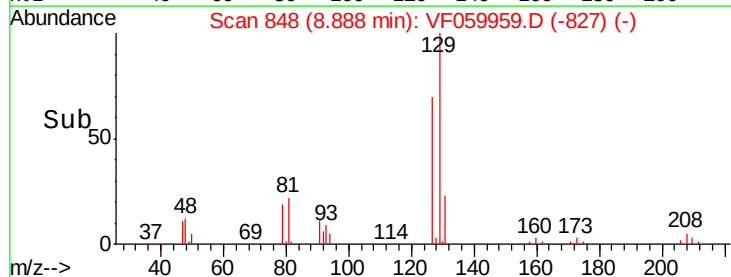
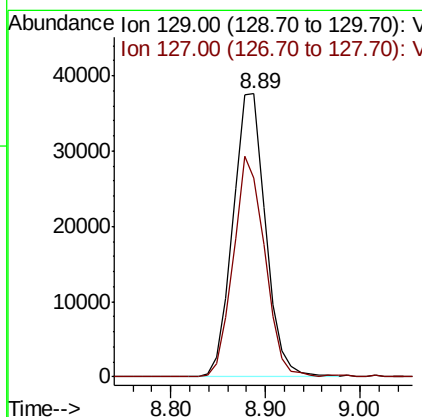
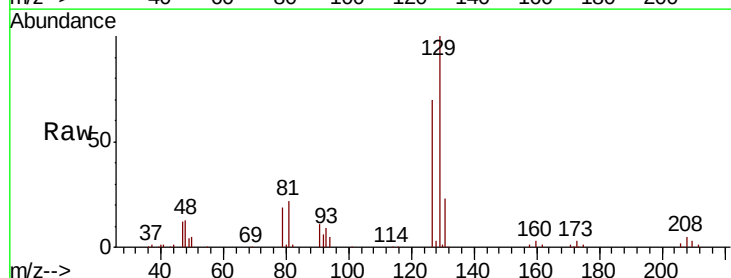
Manual Integrations
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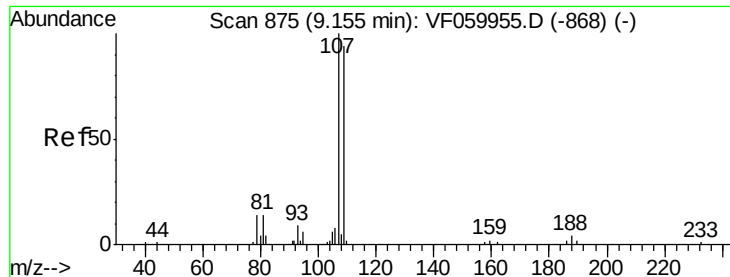
apatel
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#60
Dibromochloromethane
Concen: 46.19 ug/l
RT: 8.89 min Scan# 848
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	70.1	40.0	119.9





#61

1,2-Dibromoethane

Concen: 45.72 ug/l

RT: 9.15 min Scan# 875

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 107 Resp: 56113

Ion Ratio Lower Upper

107 100

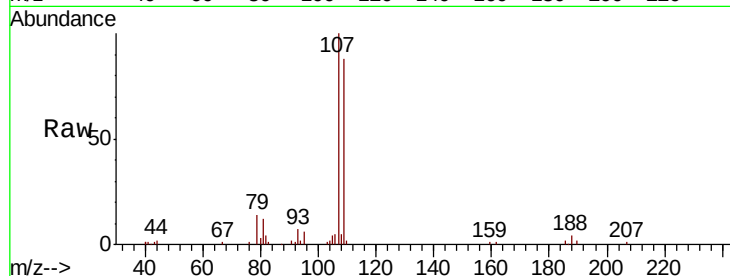
109 88.0 75.0 112.6

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.15

25000

20000

15000

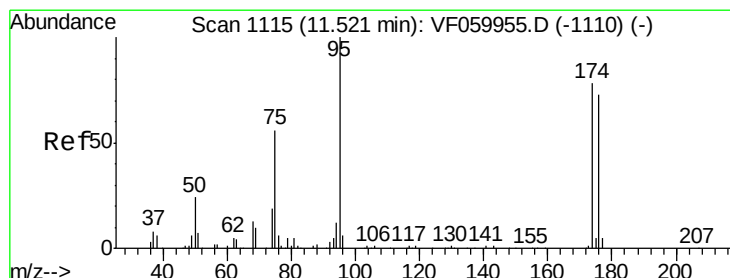
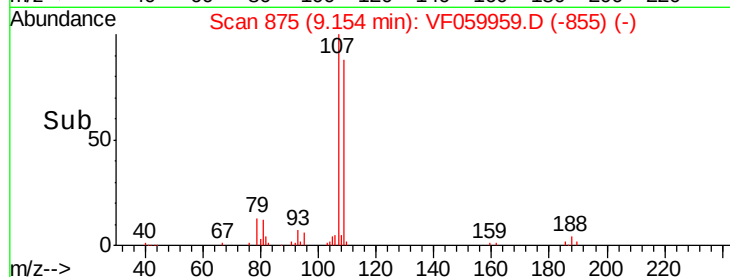
10000

5000

0

9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 48.56 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

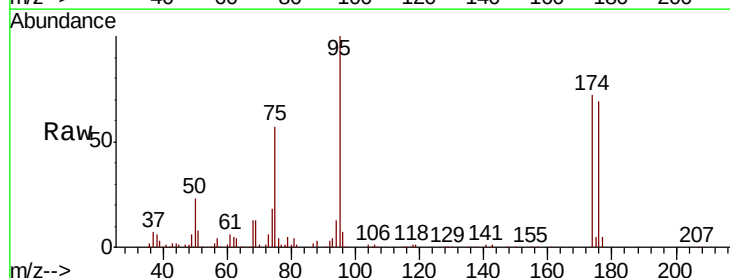
Tgt Ion: 95 Resp: 121822

Ion Ratio Lower Upper

95 100

174 72.4 0.0 156.4

176 69.5 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

11.52

80000

60000

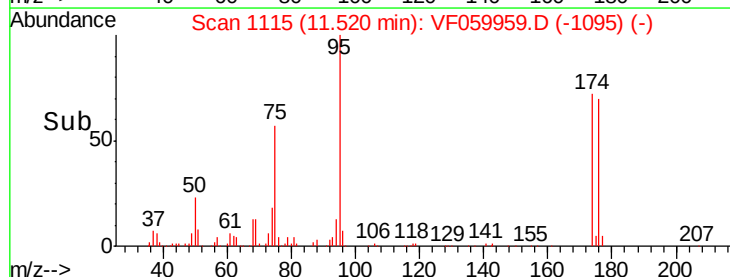
40000

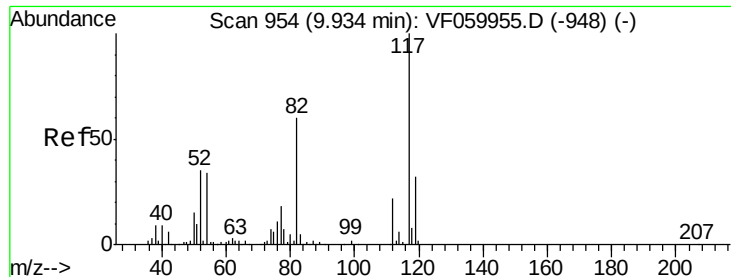
20000

0

11.40 11.50 11.60 11.70

Time-->





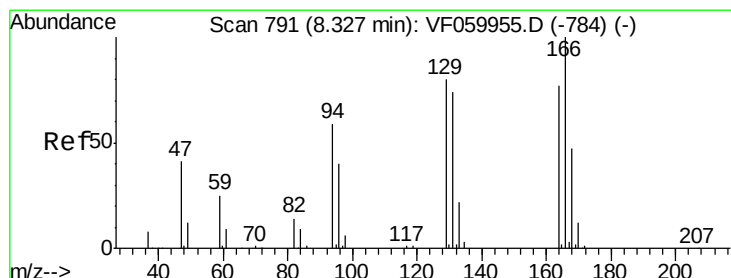
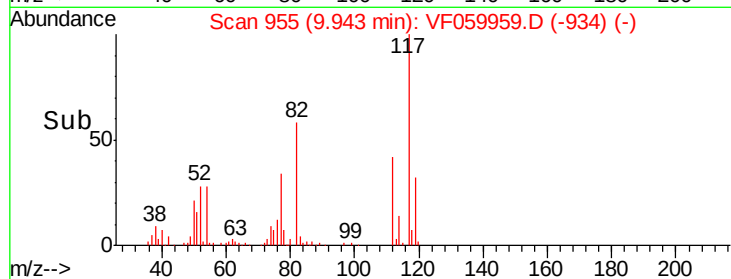
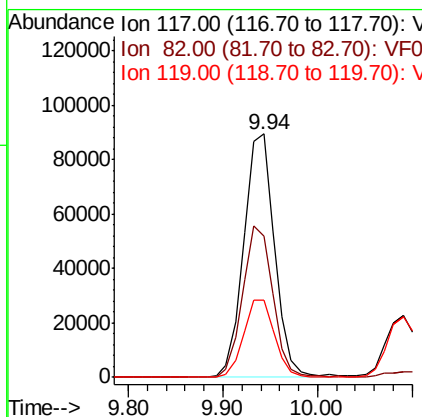
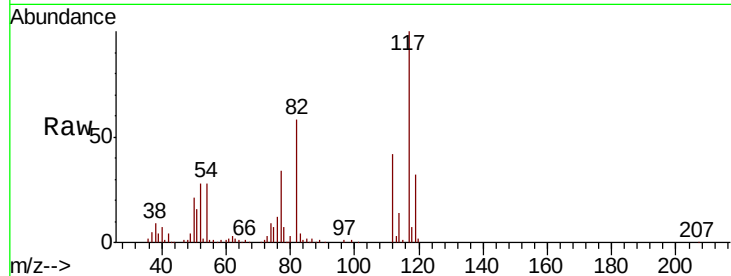
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion	Ratio	Resp	Lower	Upper
117	100	202118		
82	57.9		48.3	72.5
119	31.6		25.7	38.5

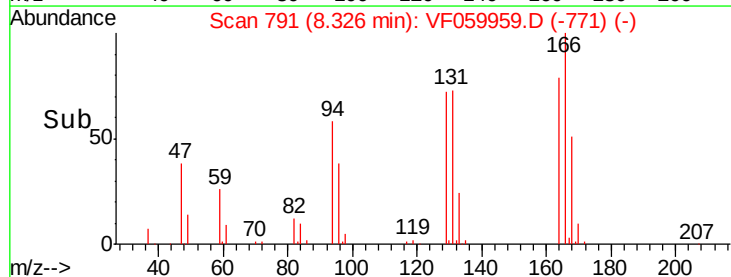
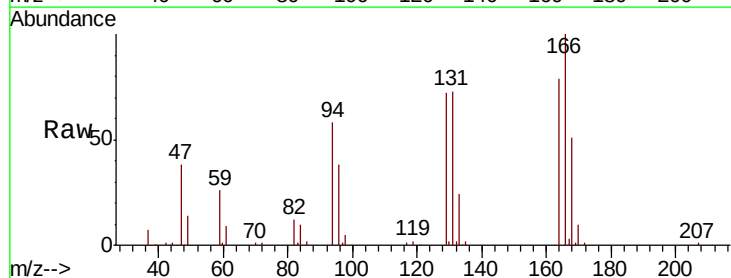
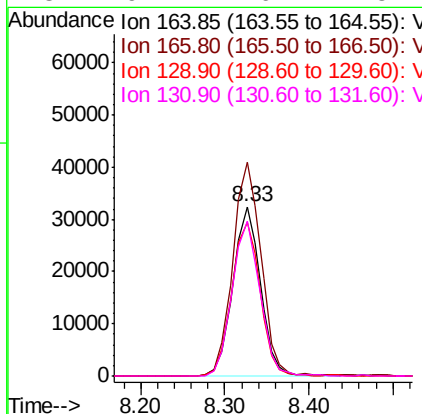
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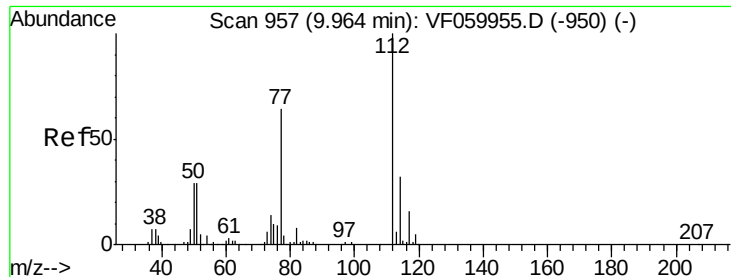
apatel
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#64
Tetrachloroethene
Concen: 47.11 ug/l
RT: 8.33 min Scan# 791
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74141		
166	126.1		103.4	155.2
129	91.1		82.2	123.4
131	91.7		76.7	115.1





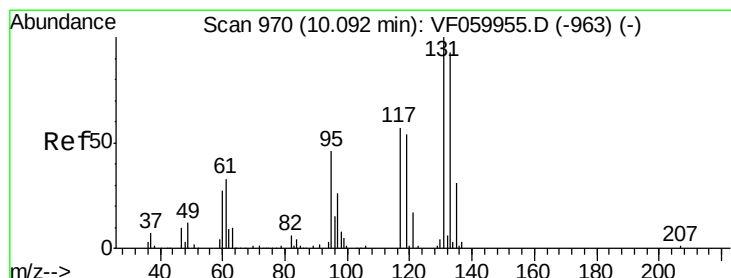
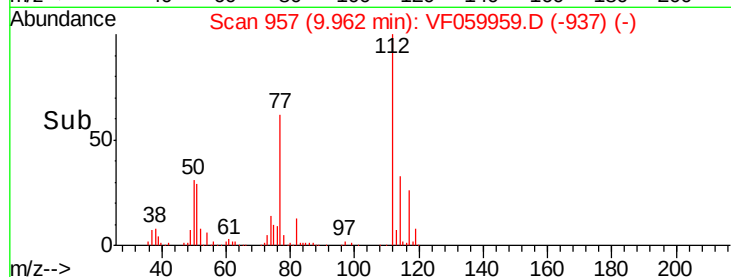
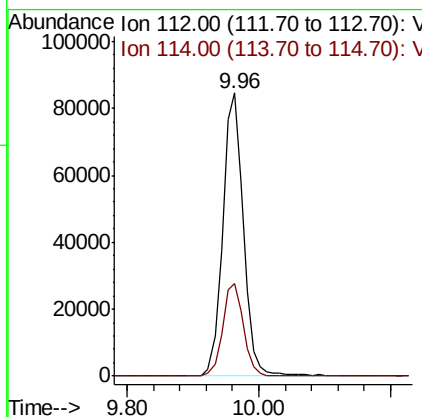
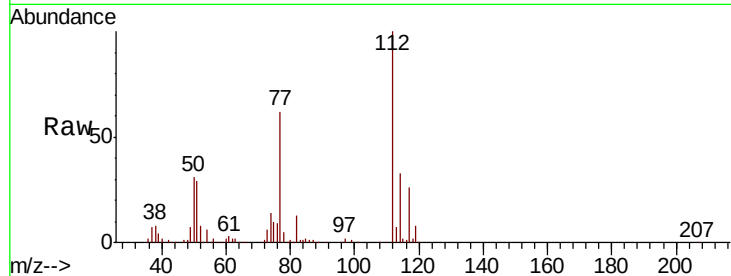
#65
Chlorobenzene
Concen: 47.46 ug/l
RT: 9.96 min Scan# 957
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion	Ratio	Resp	Lower	Upper
112	100	185297		
114	32.5	25.8	38.6	

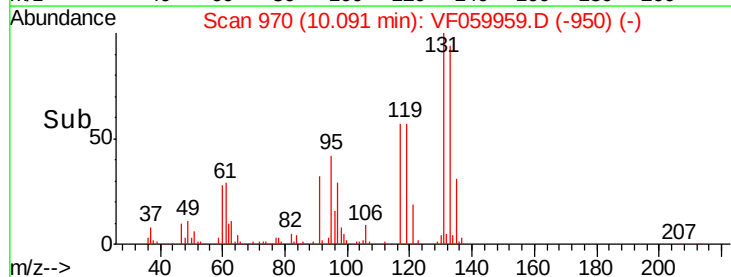
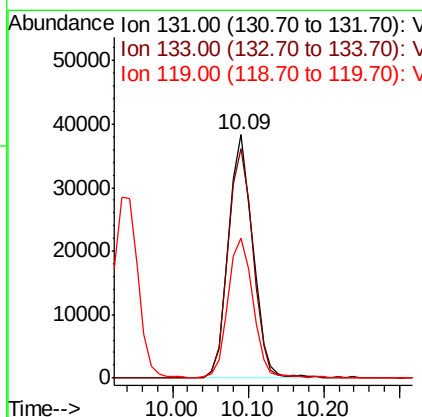
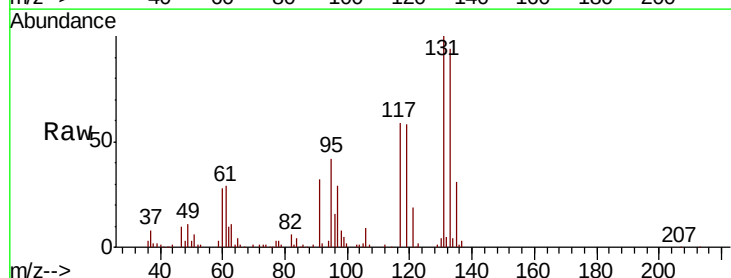
Manual Integrations
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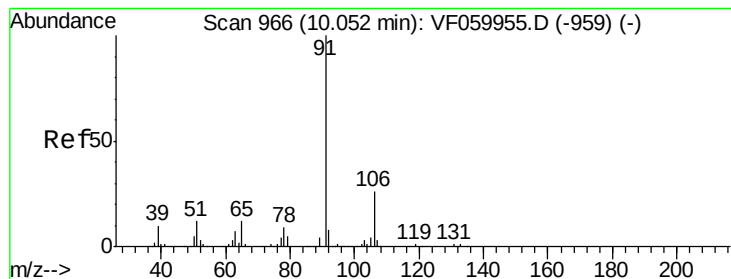
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.22 ug/l
RT: 10.09 min Scan# 970
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	85323		
133	94.2	46.4	139.1	
119	57.6	27.2	81.5	





#67

Ethyl Benzene

Concen: 47.60 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 91 Resp: 328272

Ion Ratio Lower Upper

91 100

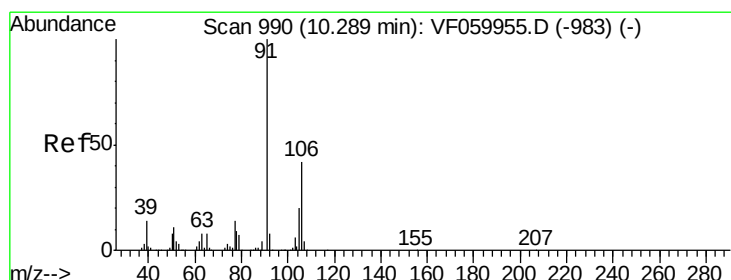
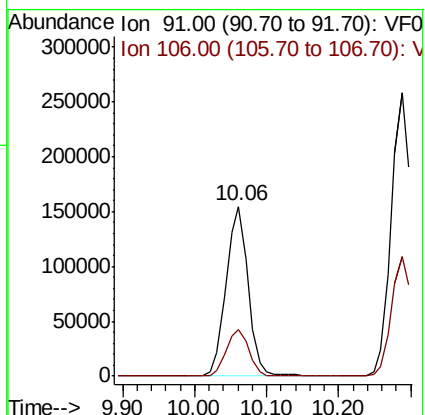
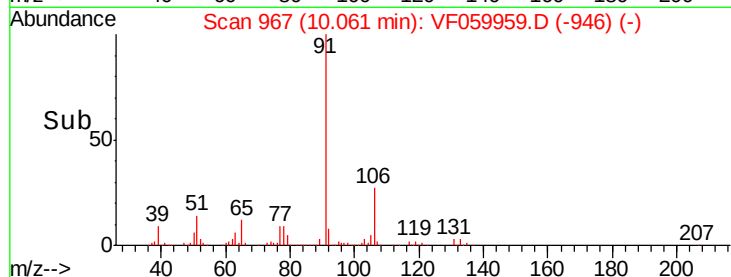
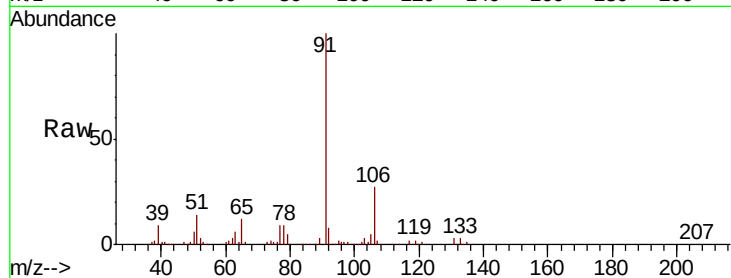
106 27.5 20.7 31.1

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#68

m/p-Xylenes

Concen: 97.69 ug/l

RT: 10.29 min Scan# 990

Delta R.T. -0.00 min

Lab File: VF059959.D

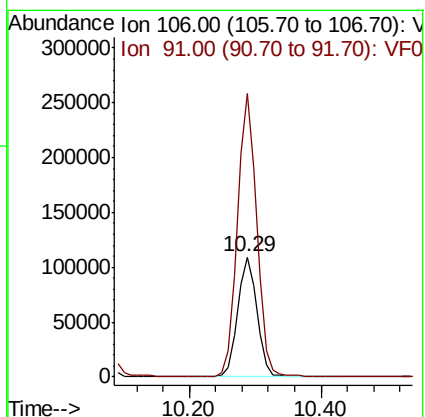
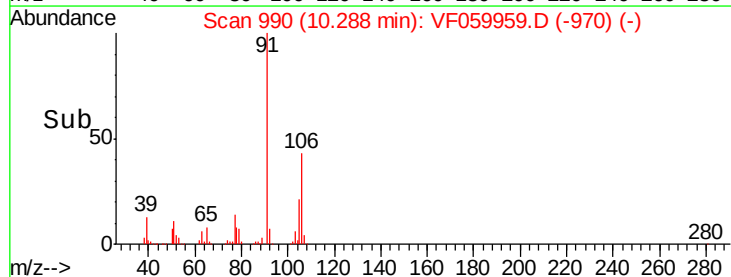
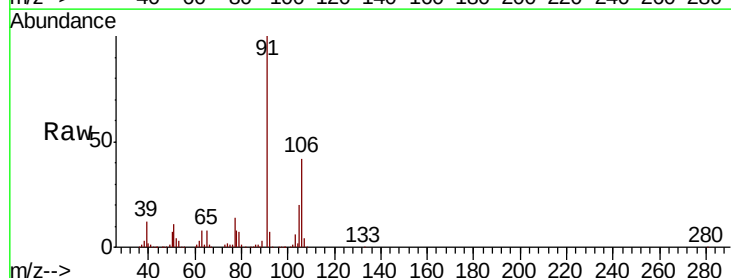
Acq: 14 Aug 2018 22:23

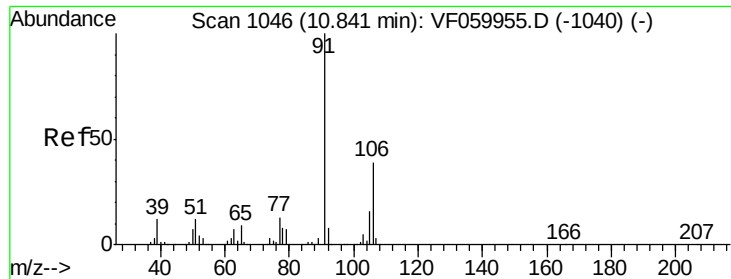
Tgt Ion: 106 Resp: 226546

Ion Ratio Lower Upper

106 100

91 235.8 191.8 287.8





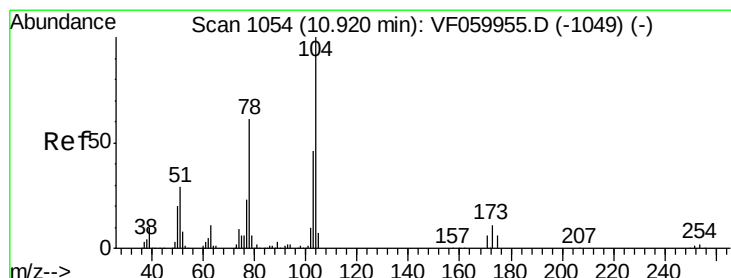
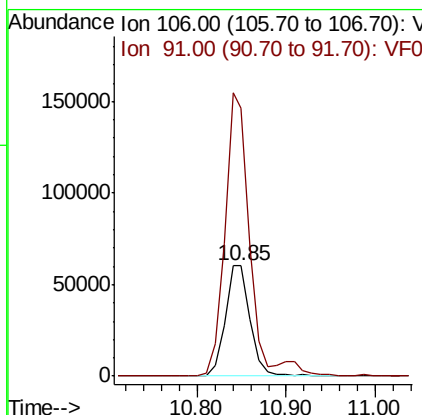
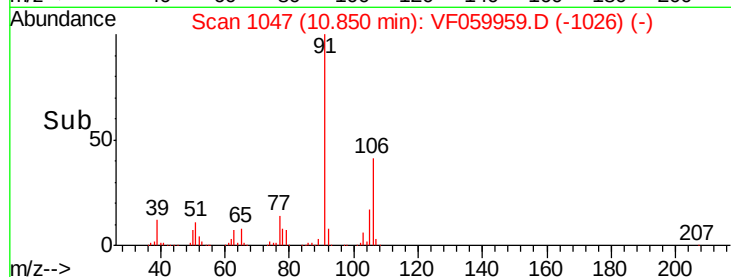
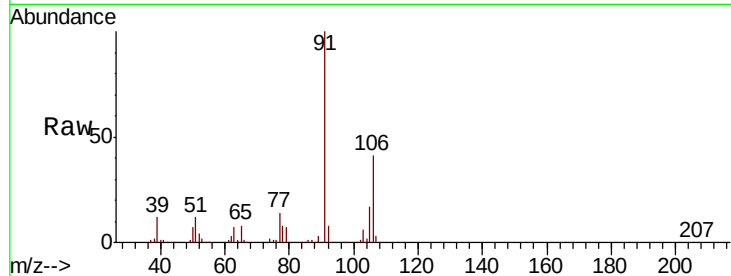
#69
o-Xylene
Concen: 46.96 ug/l
RT: 10.85 min Scan# 1047
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion	Ratio	Resp	Lower	Upper
106	100	118273		
91	242.6	126.8	380.6	

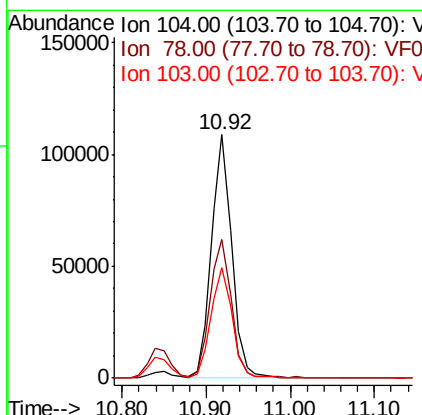
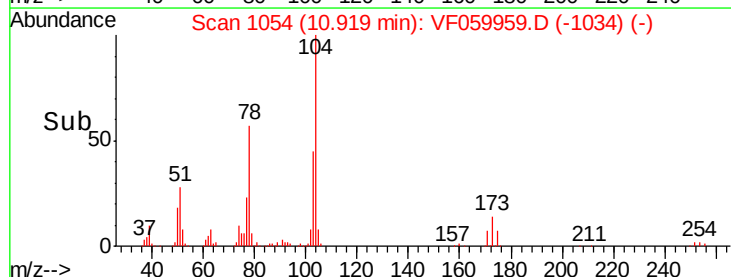
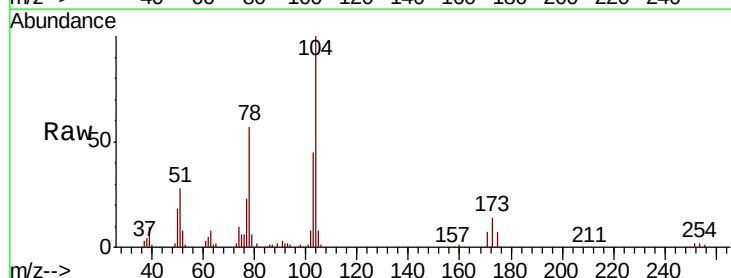
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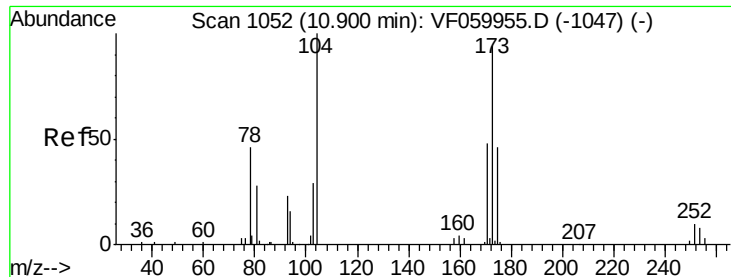
apatel
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#70
Styrene
Concen: 48.68 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	181383		
78	57.0	49.2	73.8	
103	45.3	37.4	56.0	





#71

Bromoform

Concen: 45.83 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

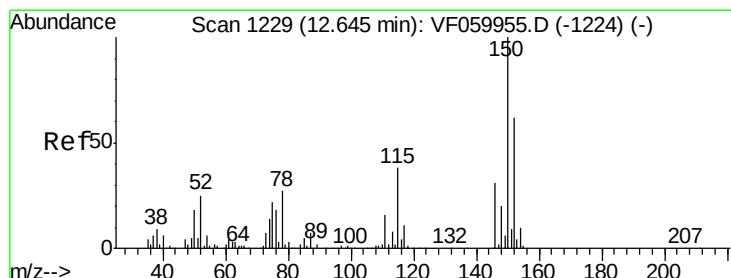
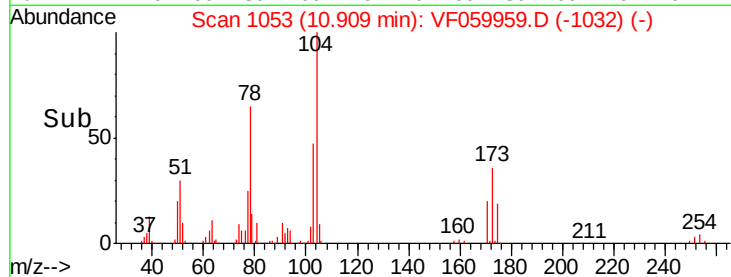
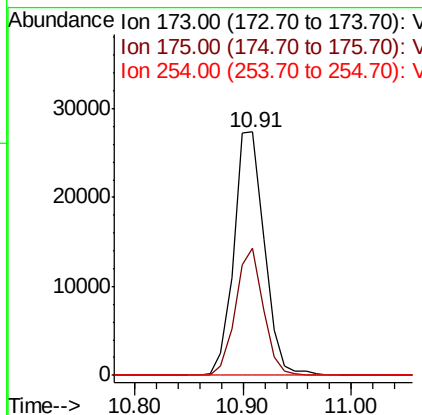
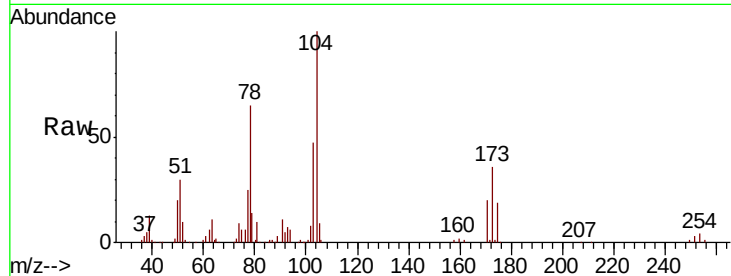
ClientSampleId :

ICVVF081418

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.4	24.6	73.6
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

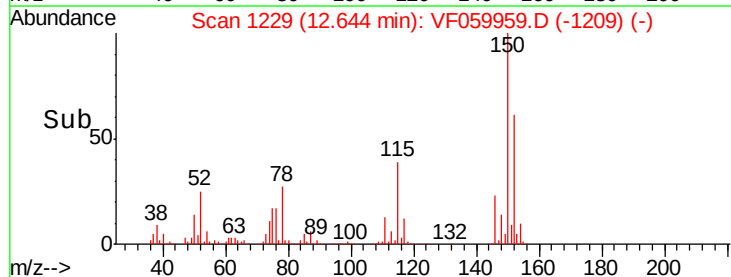
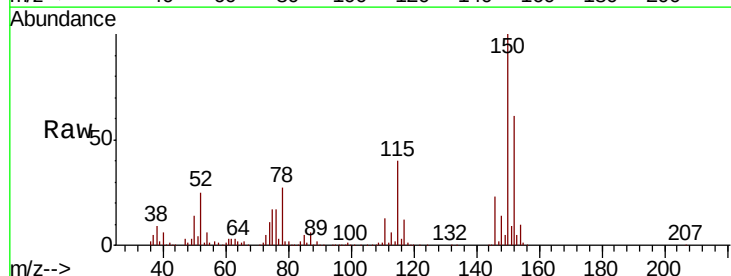
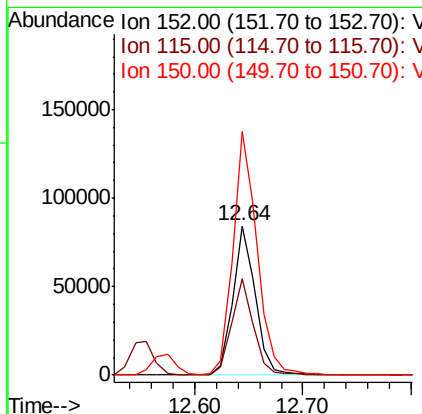
RT: 12.64 min Scan# 1229

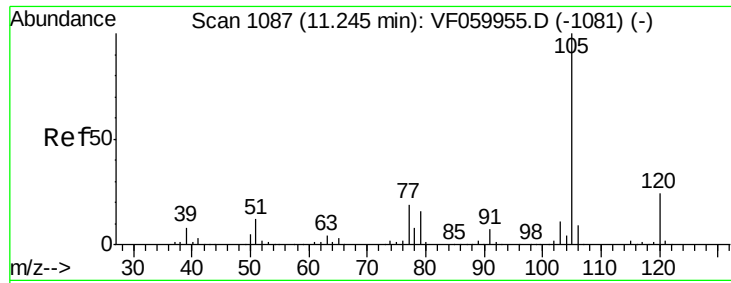
Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	31.4	94.0
150	163.3	0.0	326.2





#73

Isopropylbenzene

Concen: 51.12 ug/l

RT: 11.24 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 105 Resp: 391819

Ion Ratio Lower Upper

105 100

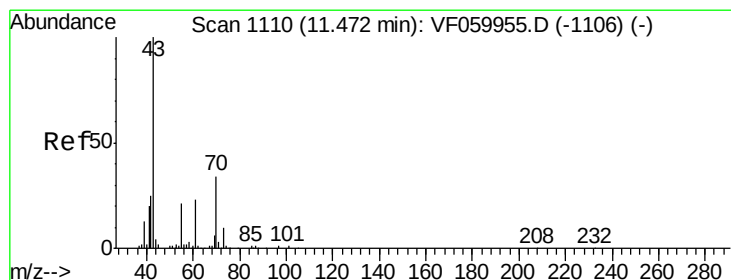
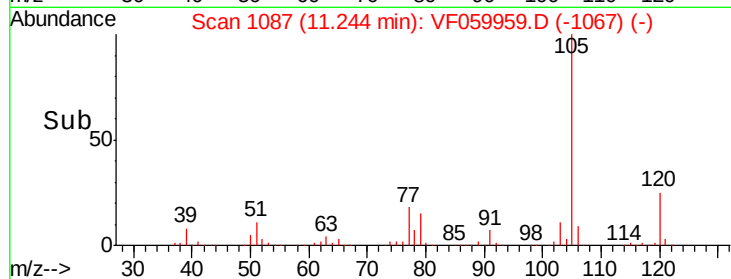
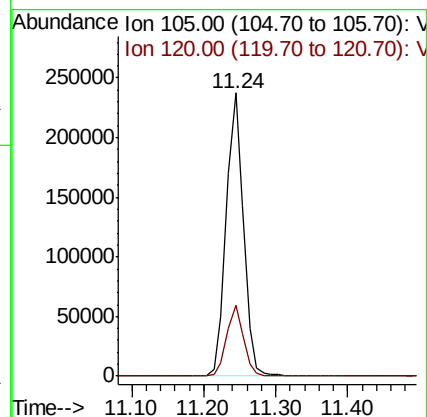
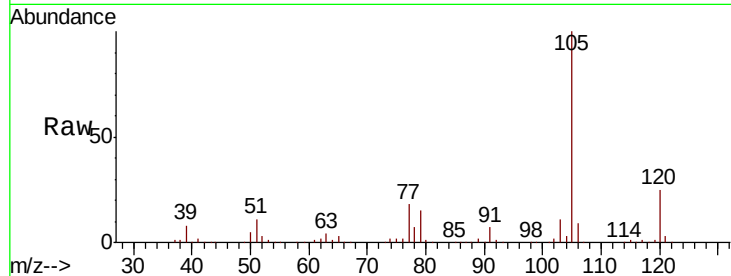
120 25.0 11.9 35.9

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#74

N-ethyl acetate

Concen: 54.43 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion: 43 Resp: 91951

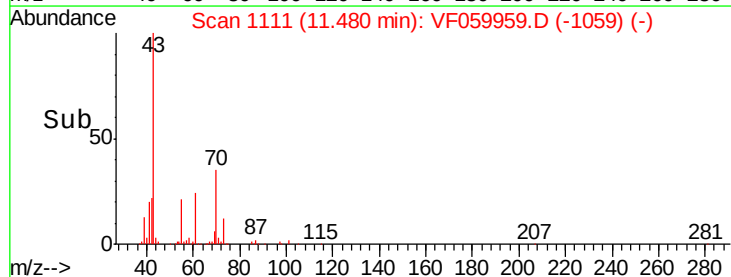
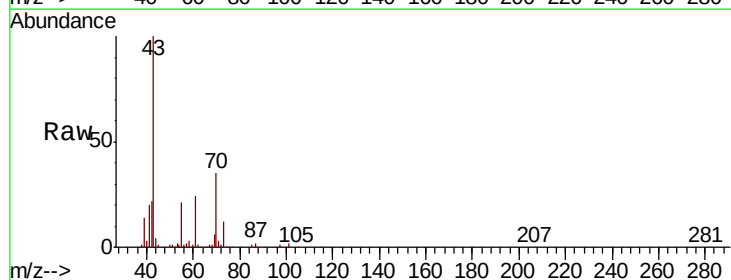
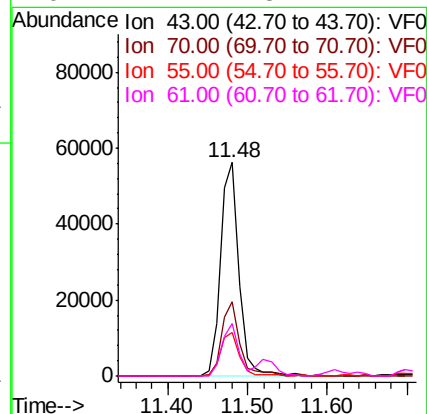
Ion Ratio Lower Upper

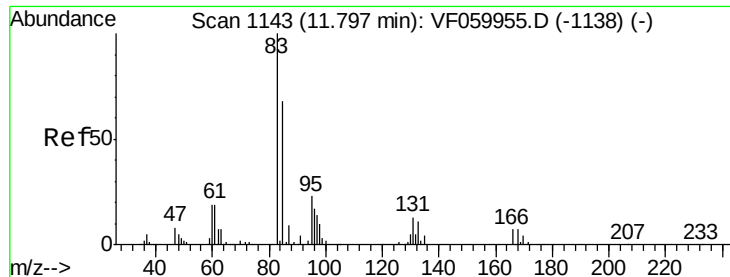
43 100

70 34.8 26.9 40.3

55 20.6 16.9 25.3

61 24.4 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.48 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

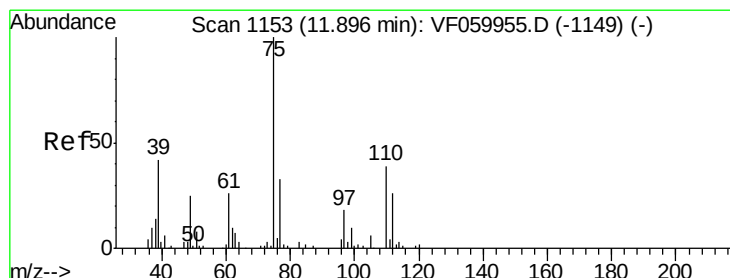
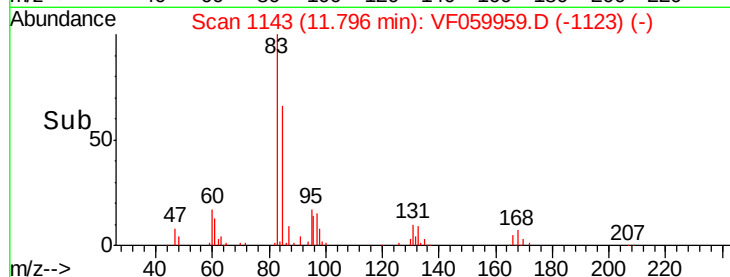
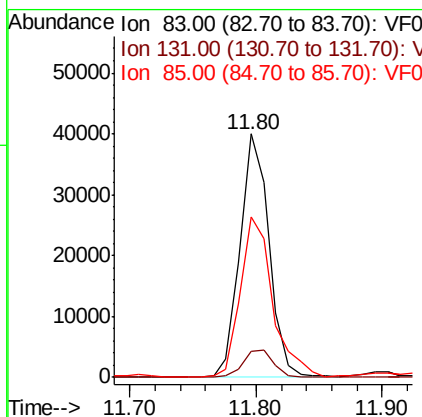
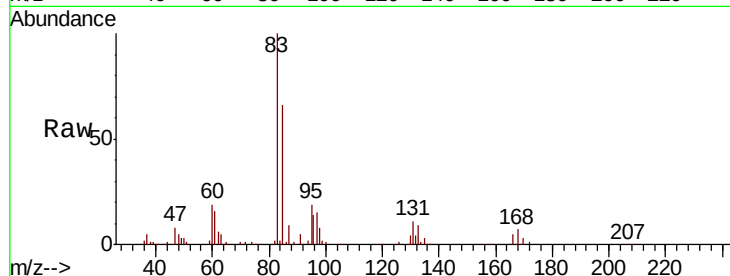
ClientSampleId :

ICVVF081418

Tot Ion	83	Resp	63755
Ion Ratio	100	Lower	Upper
83	100		
131	10.8	6.3	19.1
85	65.8	33.9	101.7

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#76

1,2,3-Trichloropropane

Concen: 49.66 ug/l

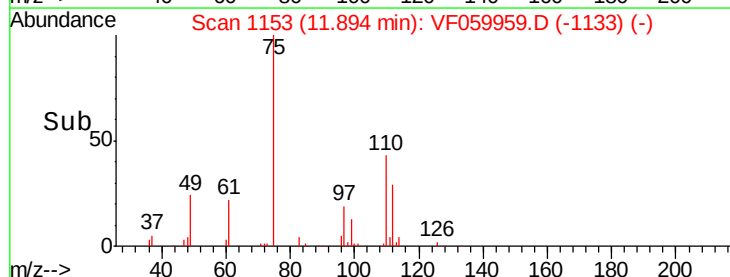
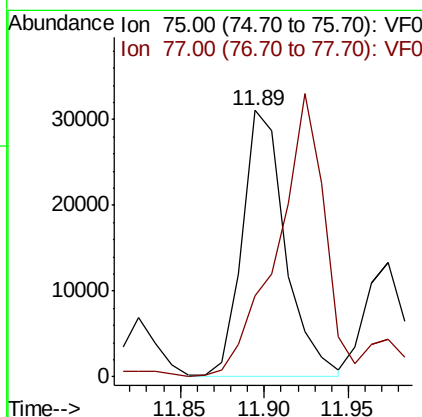
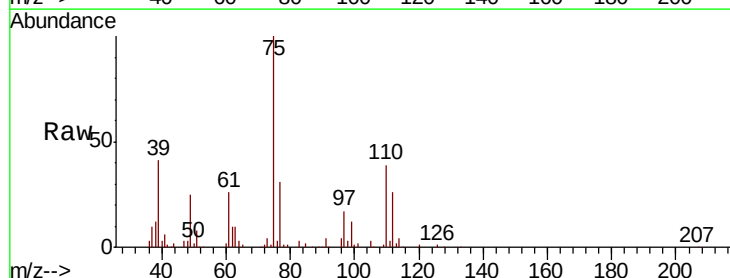
RT: 11.89 min Scan# 1153

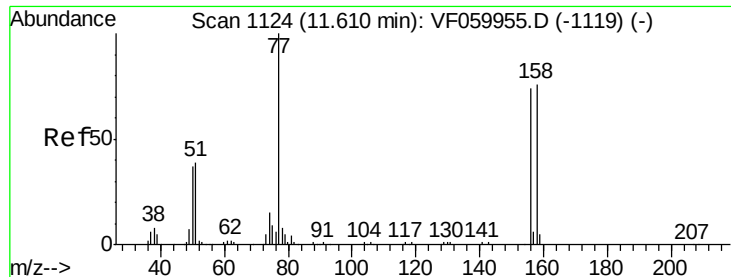
Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion	75	Resp	55166
Ion Ratio	100	Lower	Upper
75	100		
77	30.7	16.6	49.7





#77

Bromobenzene

Concen: 49.67 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion:156 Resp: 99893

Ion Ratio Lower Upper

156 100

77 144.5 67.8 203.2

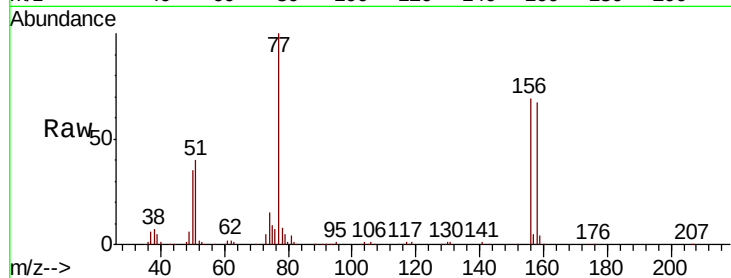
158 96.1 51.7 155.2

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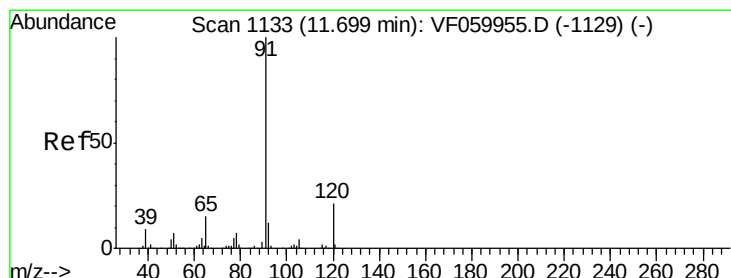
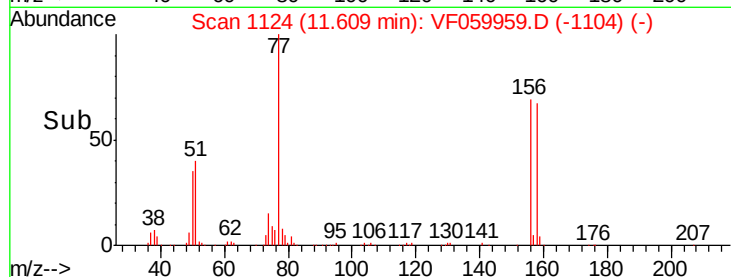
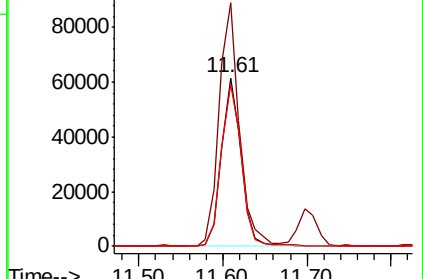
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 48.64 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF059959.D

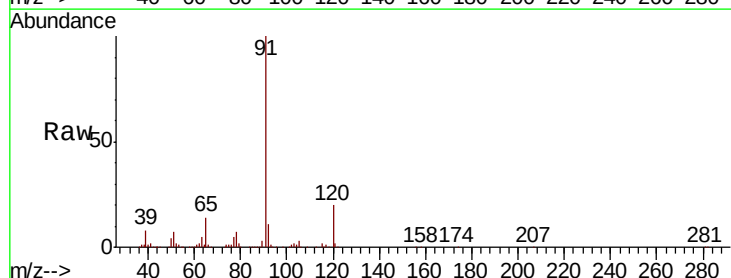
Acq: 14 Aug 2018 22:23

Tgt Ion: 91 Resp: 437407

Ion Ratio Lower Upper

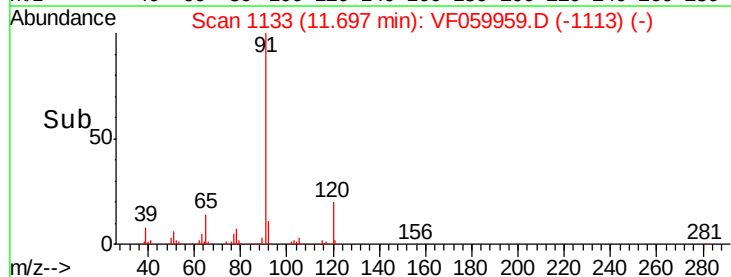
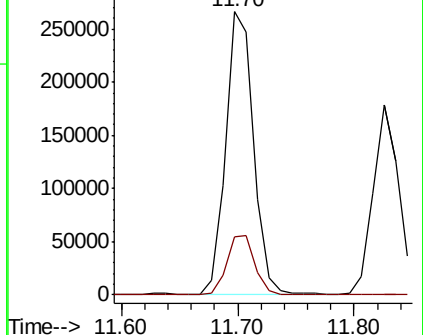
91 100

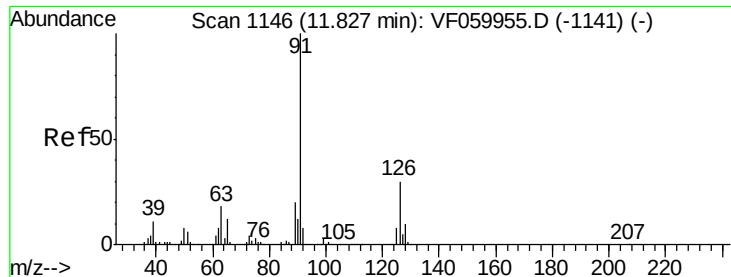
120 20.5 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





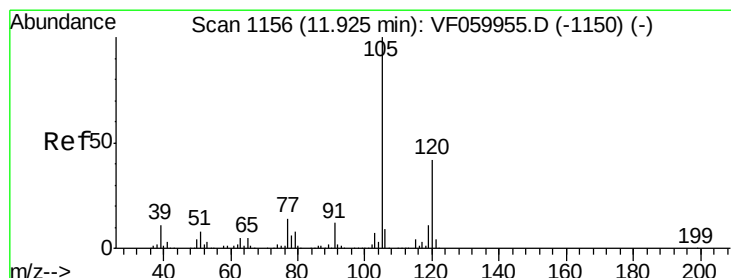
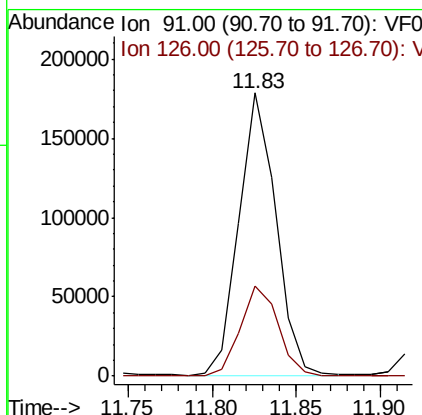
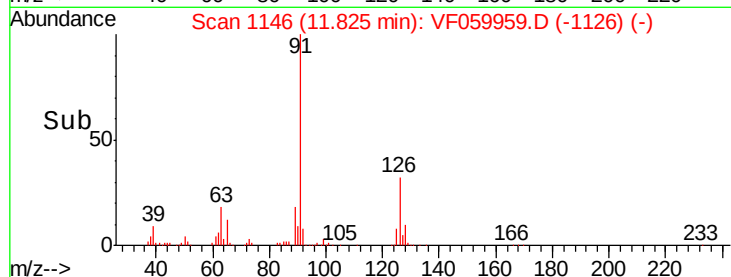
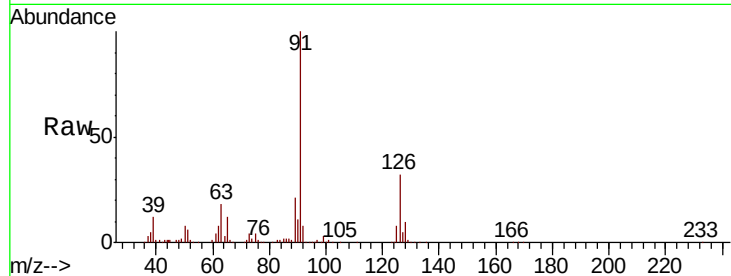
#79
 2-Chlorotoluene
 Concen: 48.20 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.2	45.5

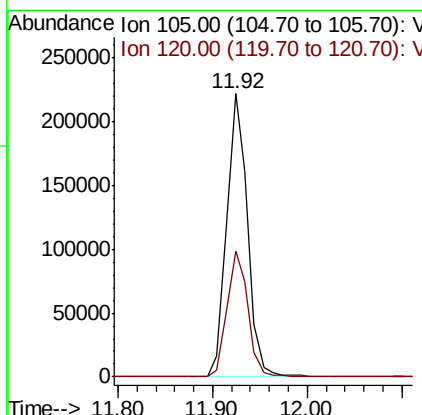
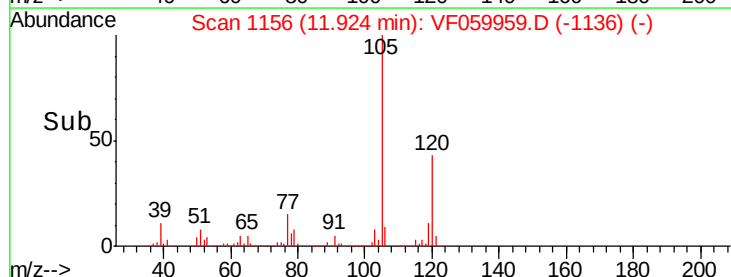
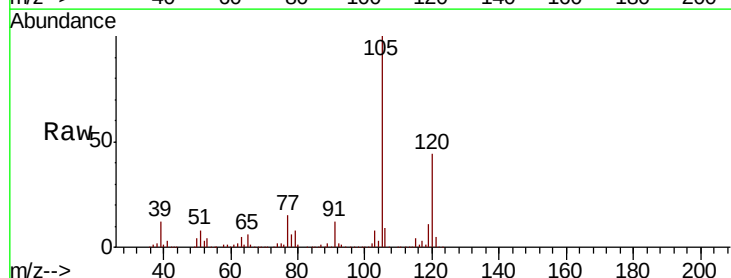
Manual Integrations
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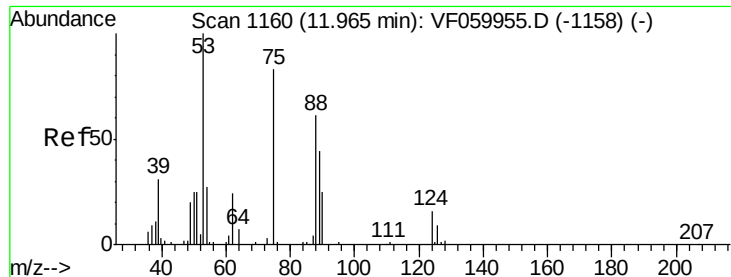
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 46.93 ug/l
 RT: 11.92 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.1	63.3





#81

trans-1,4-Dichloro-2-butene

Concen: 44.75 ug/l m

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 75 Resp: 20316

Ion Ratio Lower Upper

75 100

53 101.2 97.1 145.7

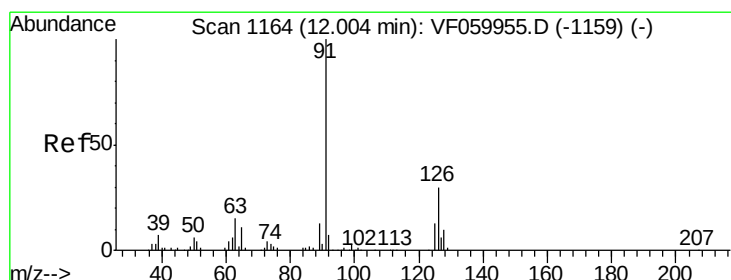
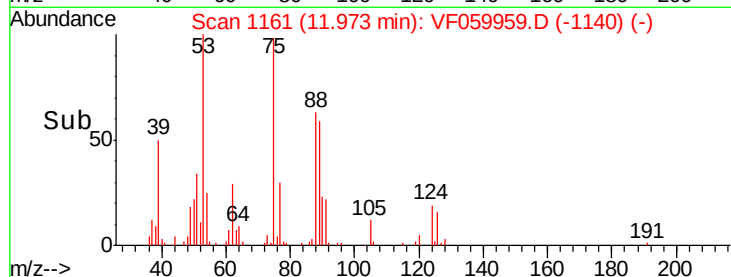
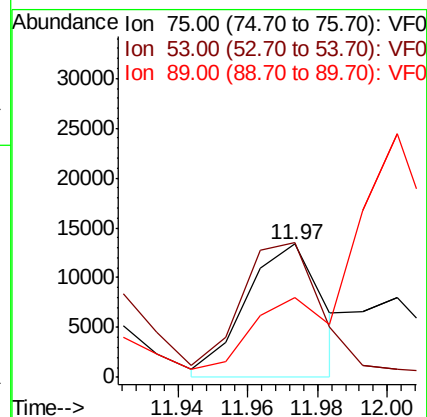
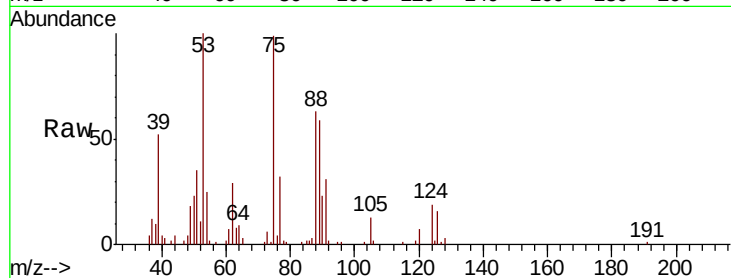
89 59.3 43.6 65.4

Manual Integrations

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#82

4-Chlorotoluene

Concen: 46.32 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VF059959.D

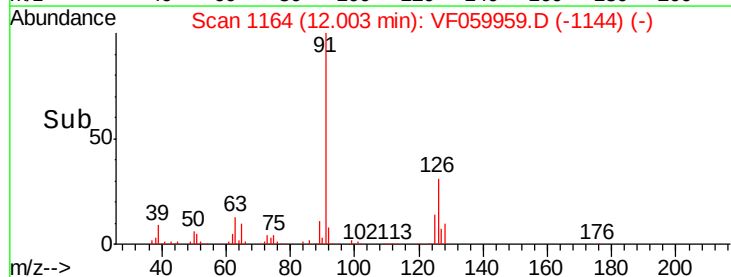
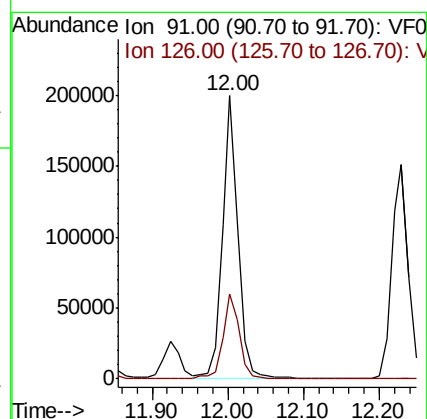
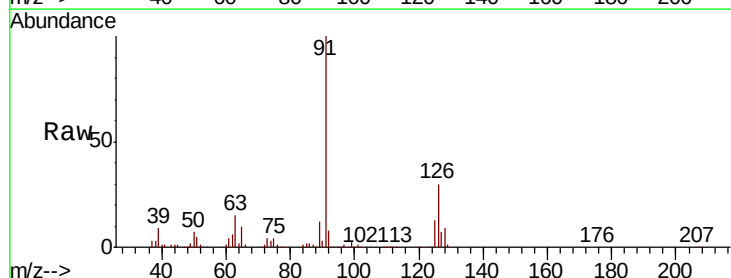
Acq: 14 Aug 2018 22:23

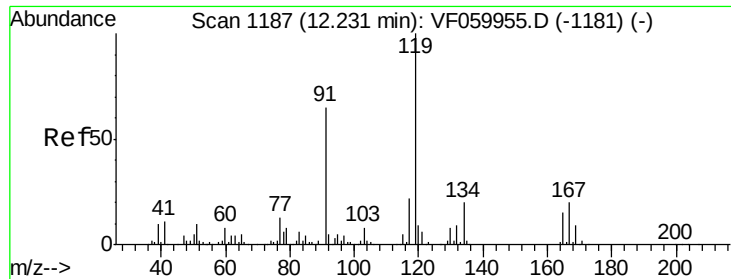
Tgt Ion: 91 Resp: 288001

Ion Ratio Lower Upper

91 100

126 30.1 15.3 45.8





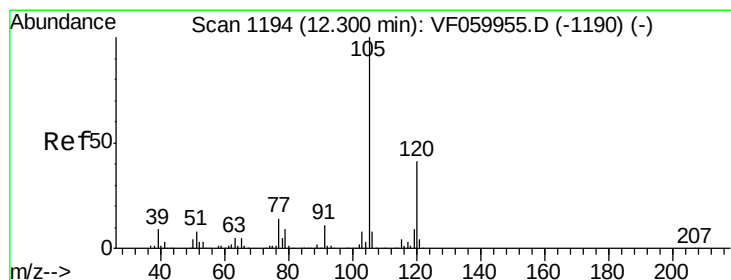
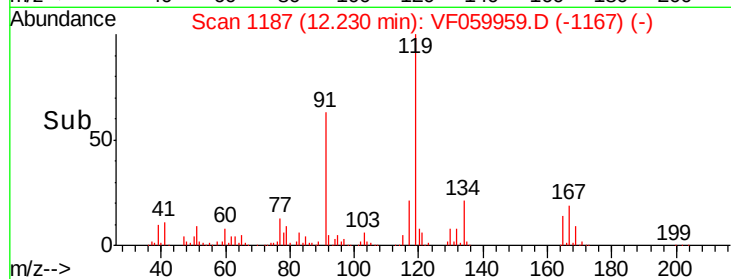
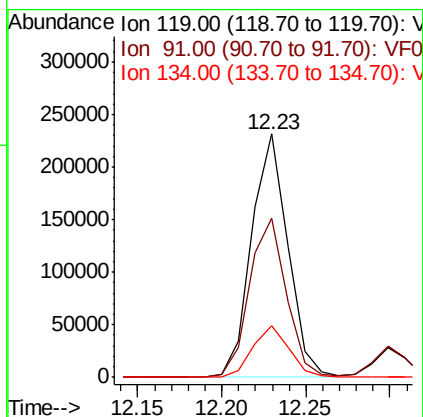
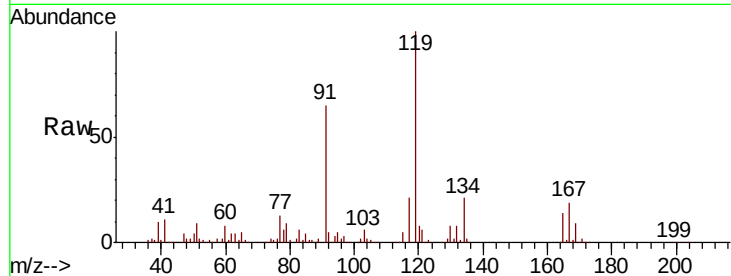
#83
 tert-Butylbenzene
 Concen: 49.20 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

Tot Ion	Ratio	Resp	Lower	Upper
119	100	345935		
91	65.1	32.6	98.0	
134	21.4	10.1	30.3	

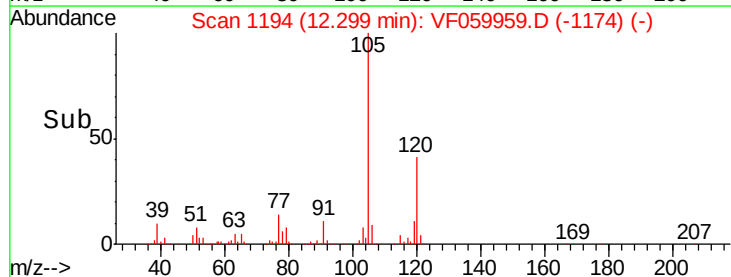
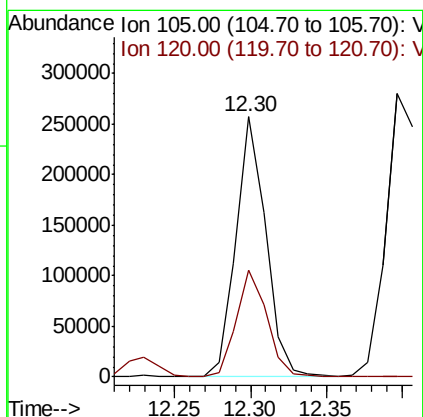
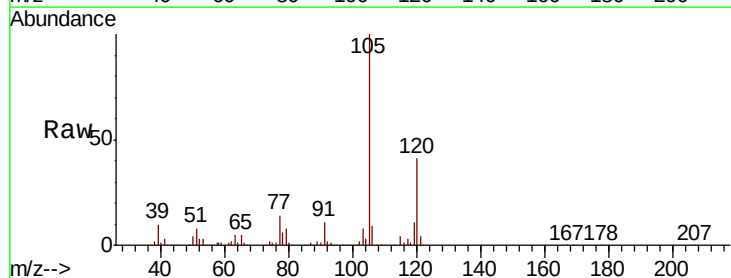
Manual Integrations
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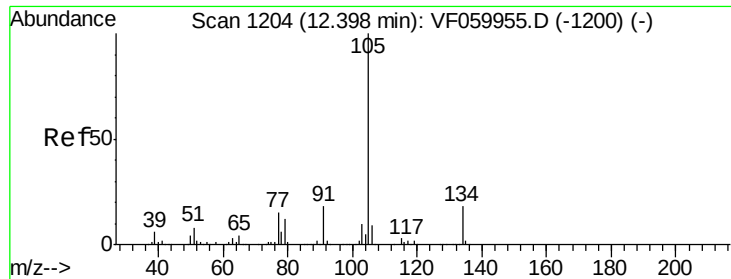
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.07 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	353057		
120	40.9	20.6	61.9	





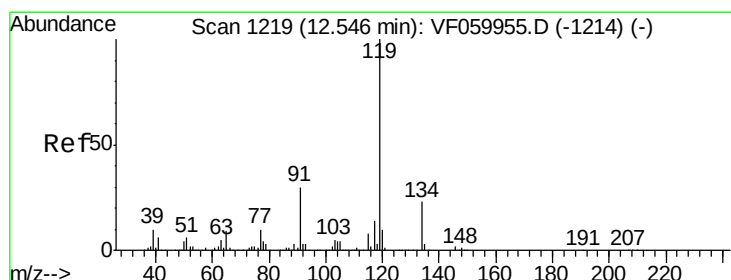
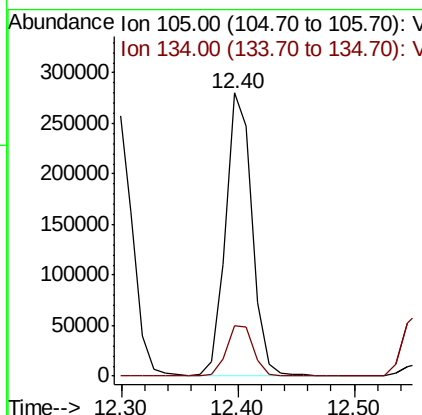
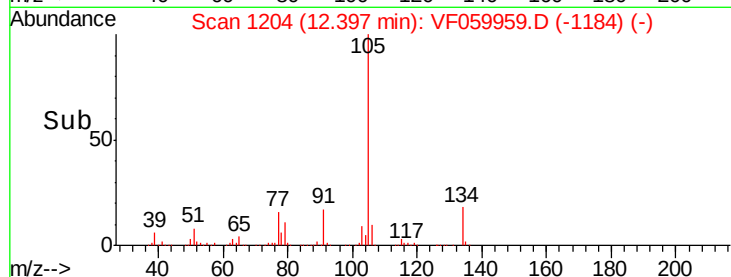
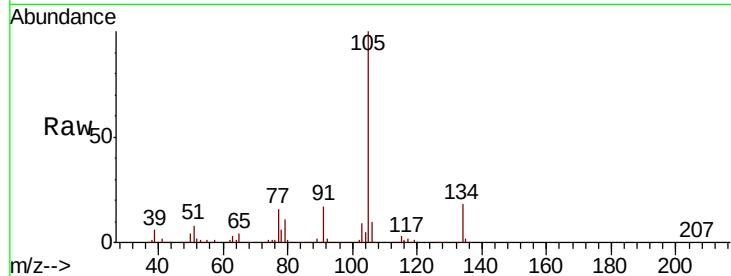
#85
 sec-Butylbenzene
 Concen: 49.03 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.9	8.9	26.7

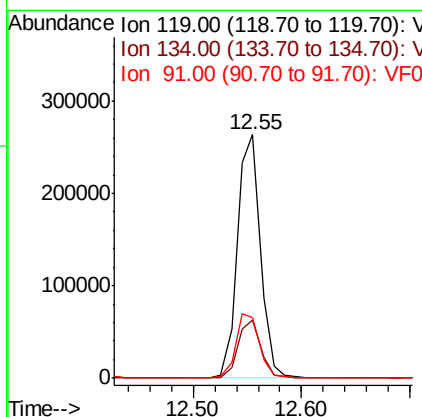
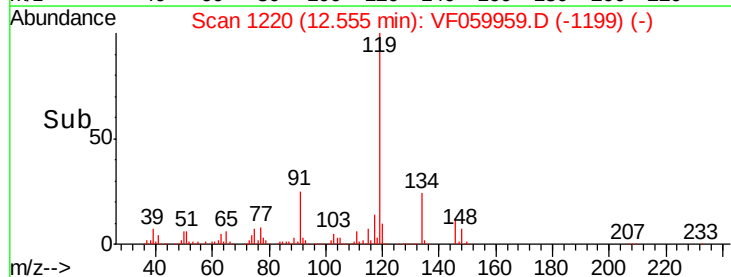
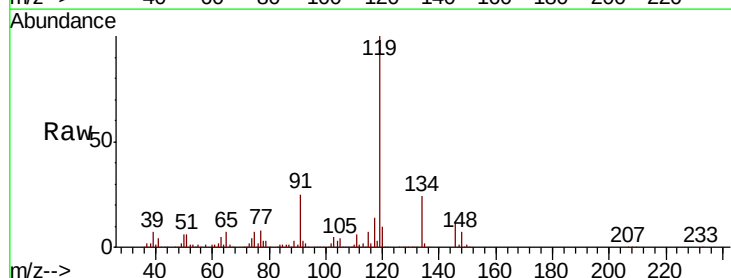
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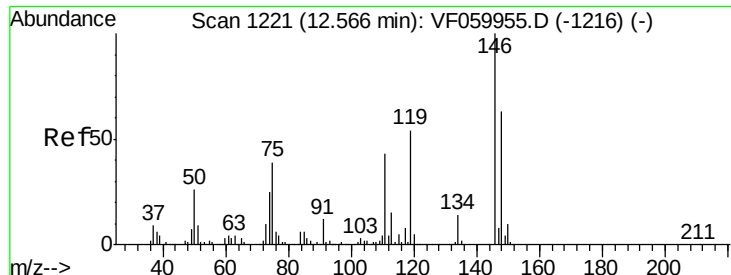
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#86
 p-Isopropyltoluene
 Concen: 49.54 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.8	11.4	34.2
91	25.1	14.8	44.4





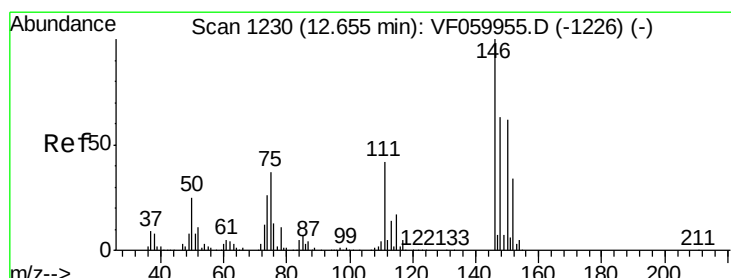
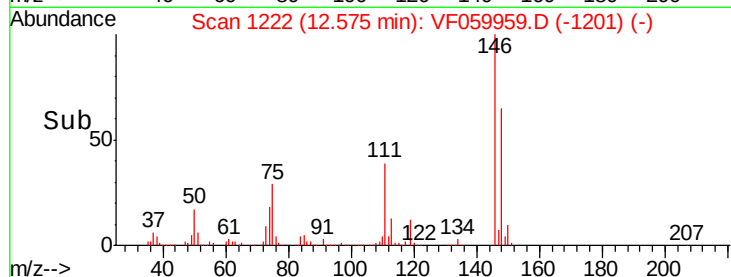
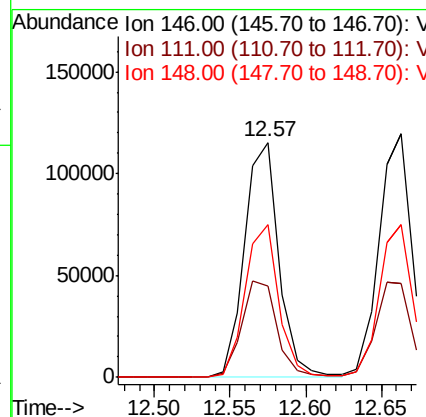
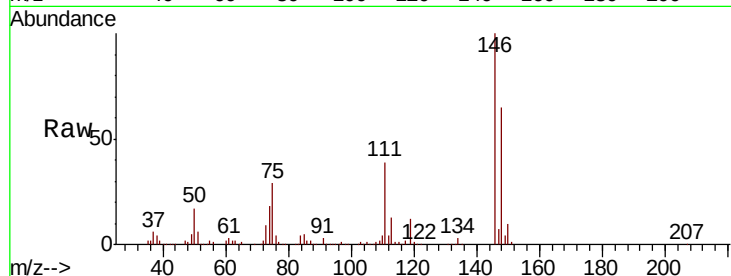
#87
 1,3-Dichlorobenzene
 Concen: 47.84 ug/l
 RT: 12.57 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

Tot Ion	Ratio	Resp	Lower	Upper
146	100	182474		
111	39.0	21.3	63.9	
148	65.2	31.4	94.3	

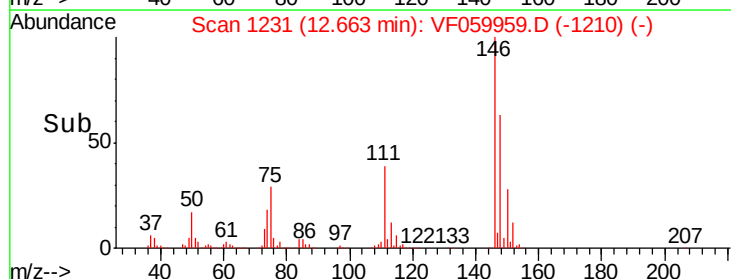
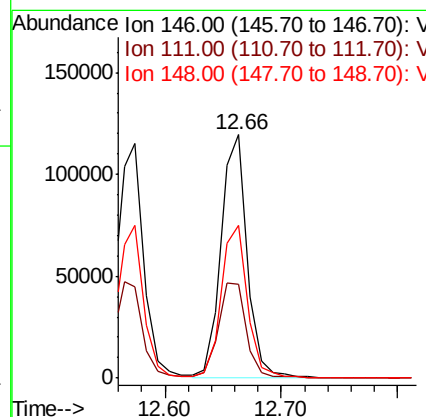
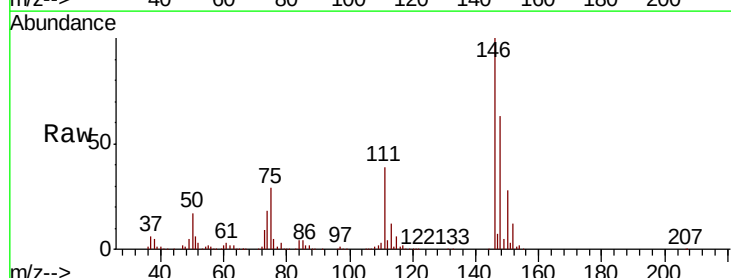
Manual Integrations
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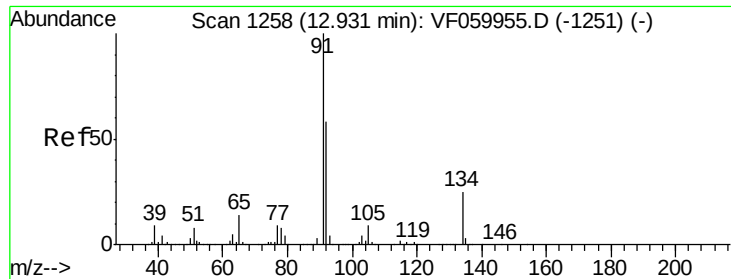
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 49.52 ug/l
 RT: 12.66 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	186013		
111	38.5	21.1	63.1	
148	62.9	31.7	95.1	





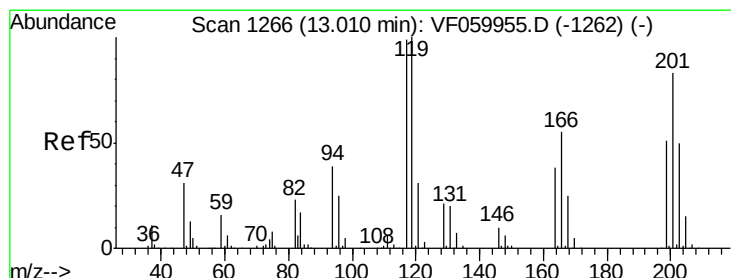
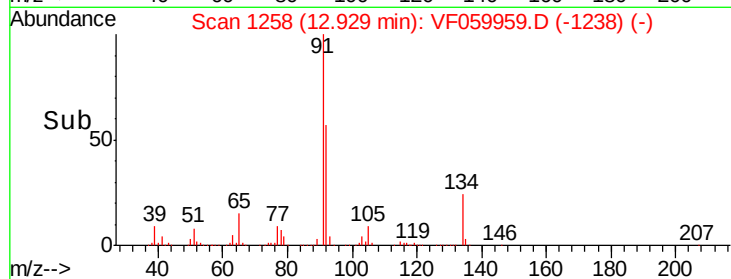
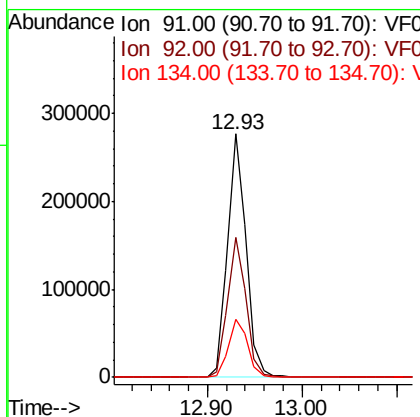
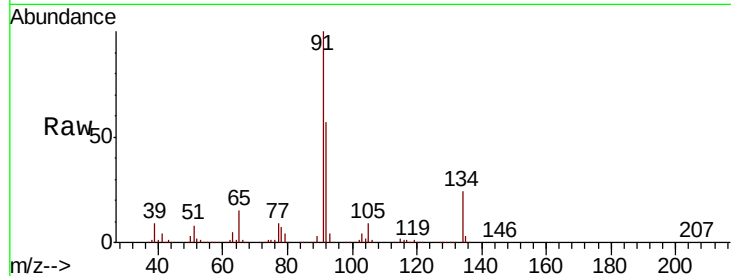
#89
n-Butylbenzene
Concen: 49.36 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.2	29.2	87.6
134	23.9	12.8	38.3

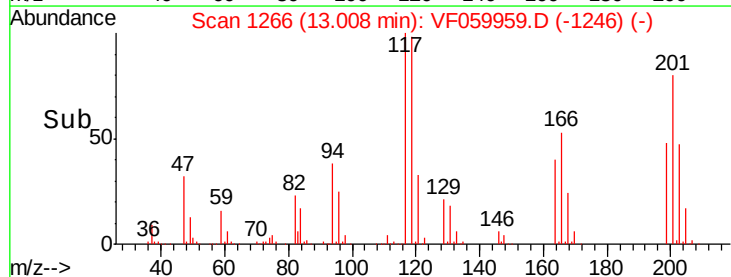
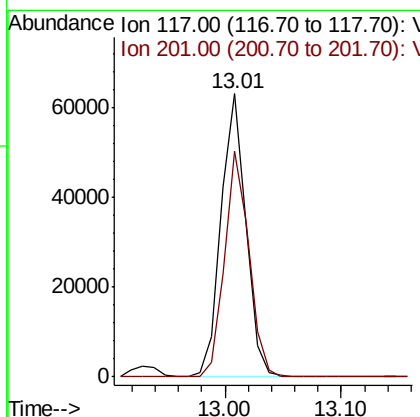
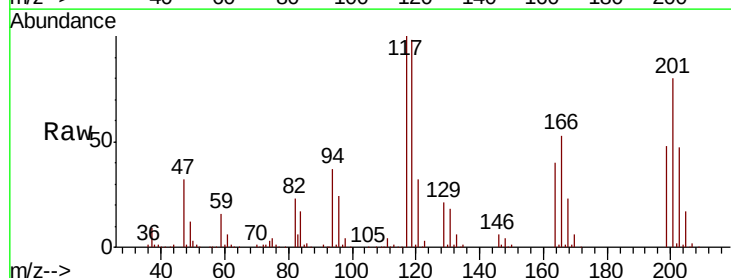
Manual Integrations
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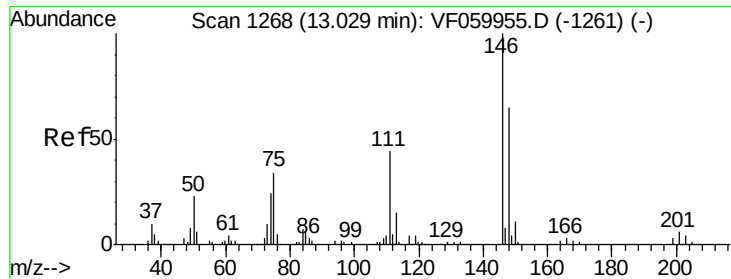
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#90
Hexachloroethane
Concen: 47.84 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	41.8	125.3





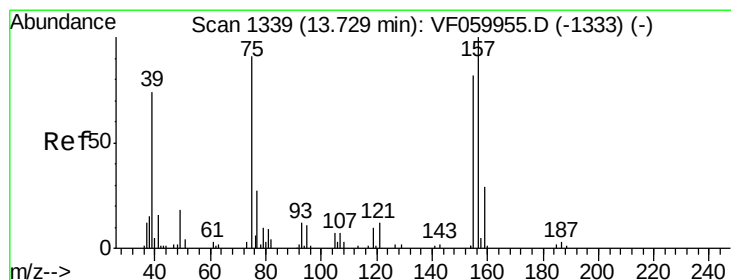
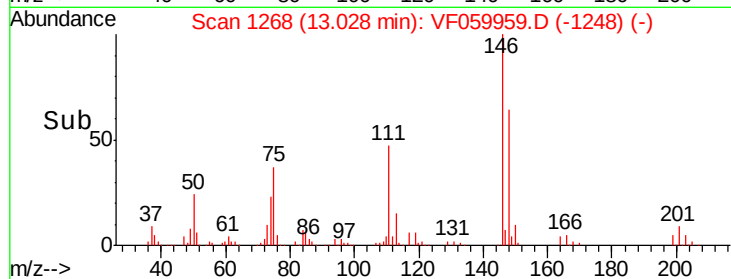
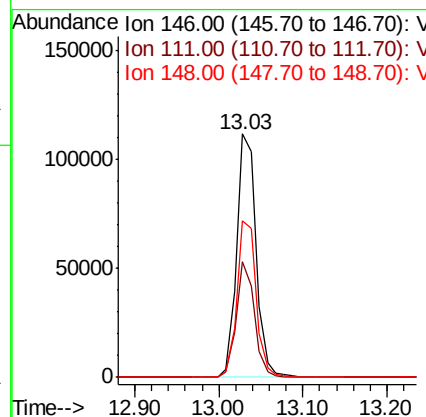
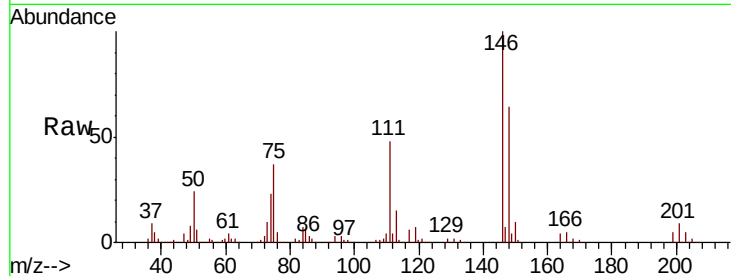
#91
 1,2-Dichlorobenzene
 Concen: 48.41 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV081418

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	22.0	66.0
148	64.3	32.4	97.0

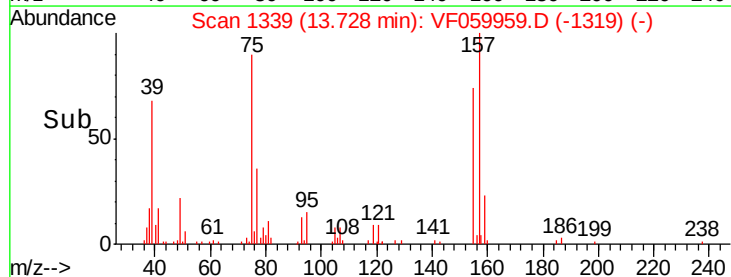
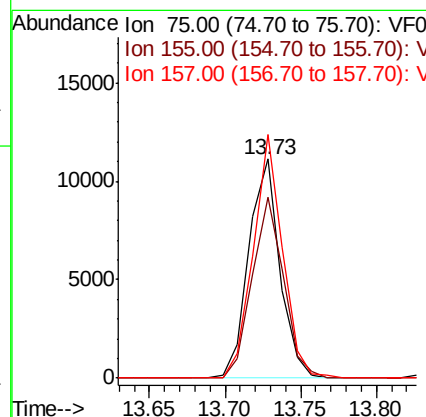
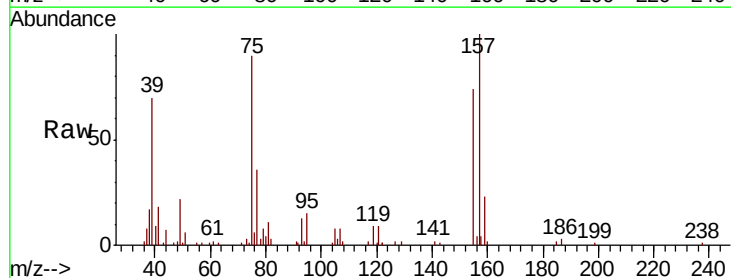
Manual Integrations
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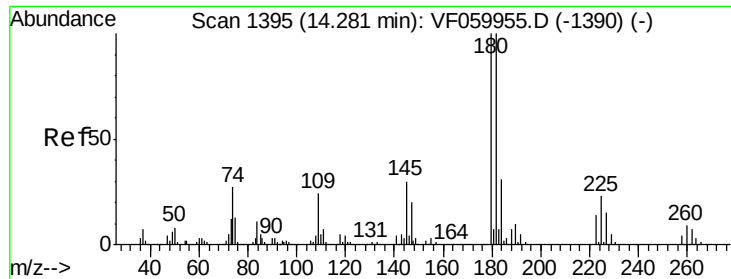
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.48 ug/l
 RT: 13.73 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	44.6	134.0
157	111.1	54.8	164.3





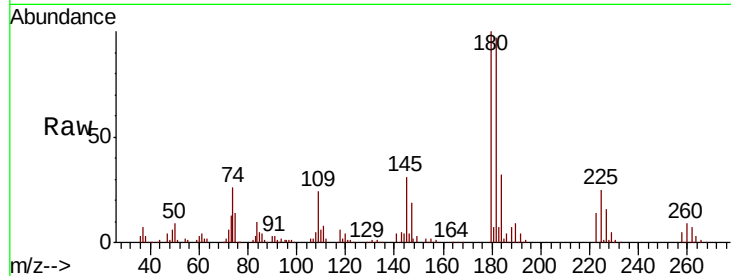
#93
 1,2,4-Trichlorobenzene
 Concen: 49.62 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

Tot Ion	Ratio	Resp	Lower	Upper
180	100	147140		
182	97.1	50.2	150.7	
145	30.6	14.9	44.9	

Manual Integrations
 APPROVED

apatel
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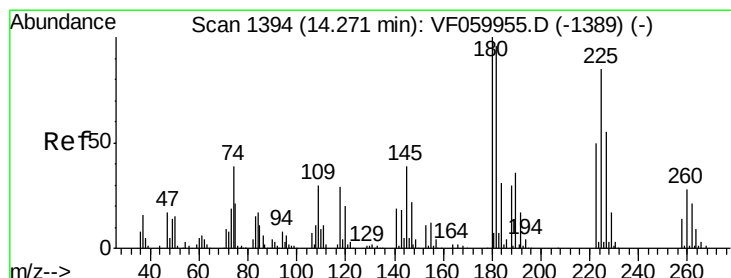
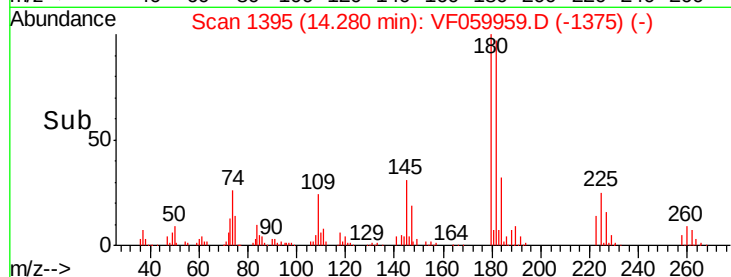
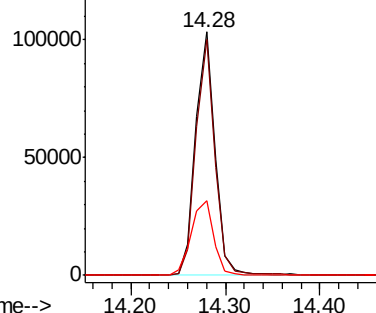


Abundance

Ion 180.00 (179.70 to 180.70): V

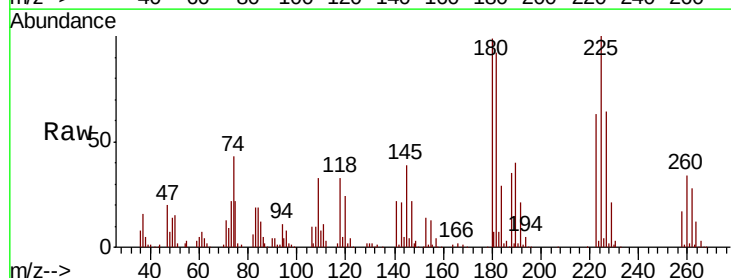
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 46.27 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98123		
223	63.5	29.6	88.8	
227	67.0	32.5	97.5	

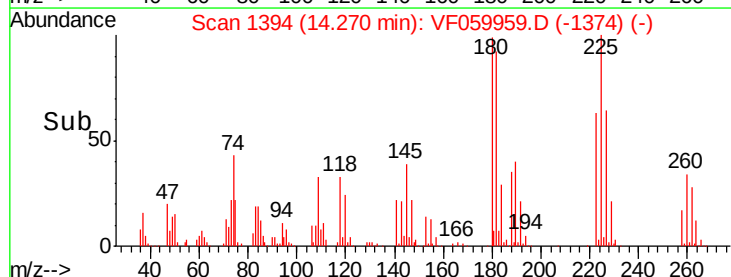
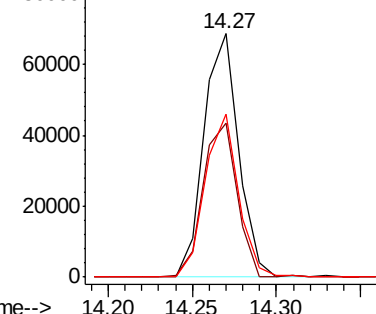


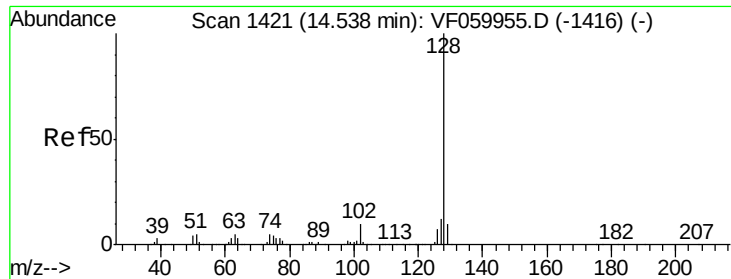
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





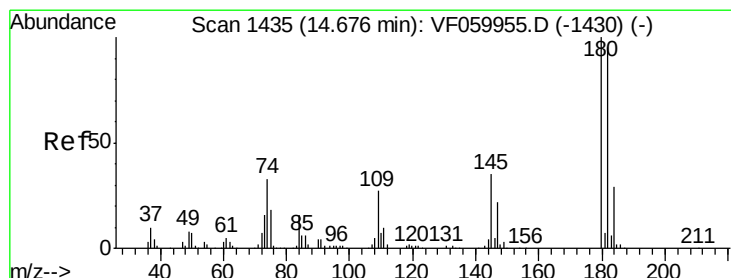
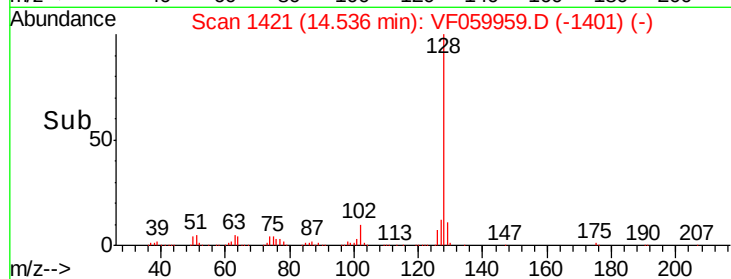
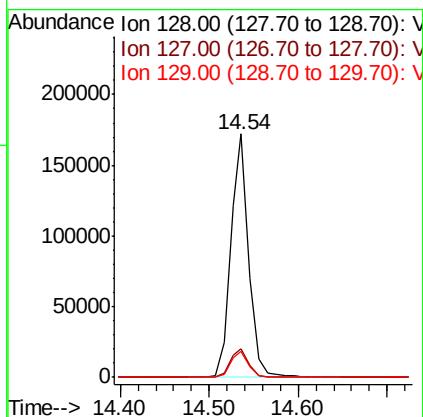
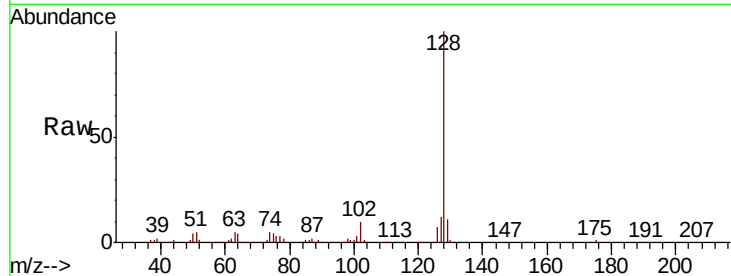
#95
Naphthalene
Concen: 50.55 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion	Ratio	Resp	Lower	Upper
128	100	244761		
127	11.9		9.9	14.9
129	10.7		8.4	12.6

Manual Integrations
APPROVED

apatel
8/16/2018 12:17:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.51 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	140126		
182	95.7		47.5	142.6
145	35.5		17.6	52.8

