

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059955.D
 Acq On : 14 Aug 2018 20:05
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/16/2018 12:15:06 PM

Quant Time: Aug 15 09:09:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	117656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	161735	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	164680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	107600	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	110833	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	4.31	113	79786	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	7.73	98	183796	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	11.52	95	104378	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	87721	44.71	ug/l	100
3) Chloromethane	1.09	50	36671	40.34	ug/l	100
4) Vinyl Chloride	1.16	62	43149	45.74	ug/l	100
5) Bromomethane	1.35	94	36908	41.76	ug/l	100
6) Chloroethane	1.44	64	27071	45.80	ug/l	100
7) Trichlorofluoromethane	1.54	101	130264	49.98	ug/l	100
8) Diethyl Ether	1.70	74	17318	42.53	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	61823	43.57	ug/l	100
10) Methyl Iodide	1.98	142	94863	43.69	ug/l	100
11) Tert butyl alcohol	2.69	59	22020	253.85	ug/l	100
12) 1,1-Dichloroethene	1.87	96	47299	45.50	ug/l	100
13) Acrolein	2.10	56	12679	245.95	ug/l	100
14) Allyl chloride	2.20	41	59249	35.51	ug/l	100
15) Acrylonitrile	3.08	53	32039	211.45	ug/l	100
16) Acetone	2.34	43	96946	246.44	ug/l	100
17) Carbon Disulfide	1.90	76	111768	40.89	ug/l	100
18) Methyl Acetate	2.46	43	25654	39.63	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	133076	45.19	ug/l	100
20) Methylene Chloride	2.28	84	42863m	48.54	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	44686	43.49	ug/l	100
22) Diisopropyl ether	2.94	45	153912	46.22	ug/l	100
23) Vinyl Acetate	3.35	43	404240	249.35	ug/l	100
24) 1,1-Dichloroethane	3.01	63	108605	44.90	ug/l	100
25) 2-Butanone	4.52	43	98570	233.49	ug/l	100
26) 2,2-Dichloropropane	3.77	77	73877	51.42	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	50997	44.58	ug/l	100
28) Bromochloromethane	3.90	49	41704	48.10	ug/l	100
29) Tetrahydrofuran	4.27	42	35037	225.47	ug/l	100
30) Chloroform	4.05	83	149081	45.51	ug/l	100
31) Cyclohexane	3.87	56	55842	46.76	ug/l	100
32) 1,1,1-Trichloroethane	4.30	97	122045	46.52	ug/l	100
36) 1,1-Dichloropropene	4.47	75	89528	48.76	ug/l	100
37) Ethyl Acetate	4.31	43	38247	48.55	ug/l	100
38) Carbon Tetrachloride	4.19	117	153283	55.98	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	66562	48.60	ug/l	100
40) Benzene	4.83	78	154610	48.62	ug/l	100
41) Methacrylonitrile	4.94	41	18798	45.59	ug/l	100
42) 1,2-Dichloroethane	5.13	62	126471	49.39	ug/l	100
43) Isopropyl Acetate	7.12	43	41716	50.28	ug/l	100
44) Trichloroethene	5.70	130	59233	48.50	ug/l	100
45) 1,2-Dichloropropane	6.42	63	40999	48.60	ug/l	100
46) Dibromomethane	6.27	93	40350	47.17	ug/l	100
47) Bromodichloromethane	6.56	83	115844	49.44	ug/l	100
48) Methyl methacrylate	6.89	41	33175	51.81	ug/l	100
49) 1,4-Dioxane	6.89	88	5295	1099.71	ug/l	100
51) 4-Methyl-2-Pentanone	8.42	43	214276	254.30	ug/l	100
52) Toluene	7.80	92	113973	48.87	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	95155	52.45	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	98014	52.86	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	39209	46.75	ug/l	100
56) Ethyl methacrylate	8.78	69	43904	47.57	ug/l	100
57) 1,3-Dichloropropane	9.02	76	75632	51.94	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	28972	261.13	ug/l	100
59) 2-Hexanone	9.65	43	159179	265.84	ug/l	100
60) Dibromochloromethane	8.88	129	81144	51.32	ug/l	100
61) 1,2-Dibromoethane	9.16	107	49884	48.83	ug/l	100
64) Tetrachloroethene	8.33	164	61207	44.48	ug/l	100
65) Chlorobenzene	9.96	112	157858	47.86	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	75430	46.29	ug/l	100
67) Ethyl Benzene	10.05	91	277886	48.67	ug/l	100
68) m/p-Xylenes	10.29	106	184640	93.51	ug/l	100
69) o-Xylene	10.84	106	102328	49.39	ug/l	100
70) Styrene	10.92	104	152356	48.72	ug/l	100
71) Bromoform	10.90	173	48593	48.34	ug/l	100
73) Isopropylbenzene	11.25	105	352251	52.90	ug/l	100
74) N-amyl acetate	11.47	43	77557	46.98	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.80	83	56641	45.64	ug/l	100
76) 1,2,3-Trichloropropane	11.90	75	50565	47.19	ug/l	100
77) Bromobenzene	11.61	156	88526	48.75	ug/l	100
78) n-propylbenzene	11.70	91	406109	51.55	ug/l	100
79) 2-Chlorotoluene	11.83	91	246505	49.71	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	315567	51.07	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	18953m	44.51	ug/l	
82) 4-Chlorotoluene	12.00	91	270485	49.64	ug/l	100
83) tert-Butylbenzene	12.23	119	320298	52.91	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	332322	51.88	ug/l	100
85) sec-Butylbenzene	12.40	105	414209	51.60	ug/l	100
86) p-Isopropyltoluene	12.55	119	363125	53.99	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	165583	48.17	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	169970	50.23	ug/l	100
89) n-Butylbenzene	12.93	91	353160	54.44	ug/l	100
90) Hexachloroethane	13.01	117	87167	47.54	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	160243	48.61	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.73	75	16221	51.79	ug/l	100

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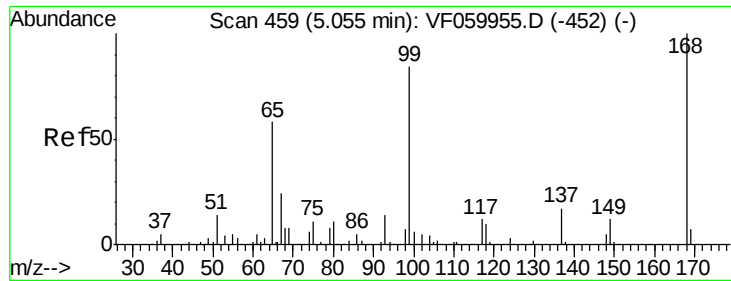
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	136951	54.00	ug/l	100
94) Hexachlorobutadiene	14.27	225	96180	53.58	ug/l	100
95) Naphthalene	14.54	128	226816	52.27	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	130637	52.66	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 117656

Ion Ratio Lower Upper

168 100

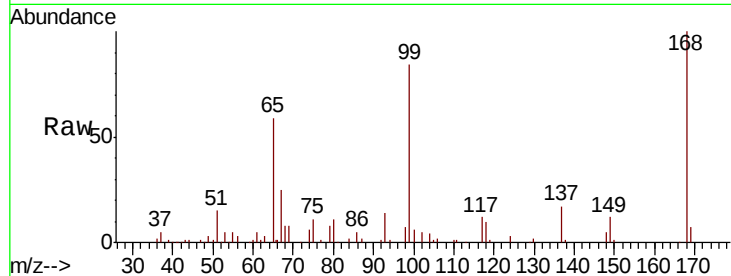
99 84.2 67.4 101.0

Manual Integrations

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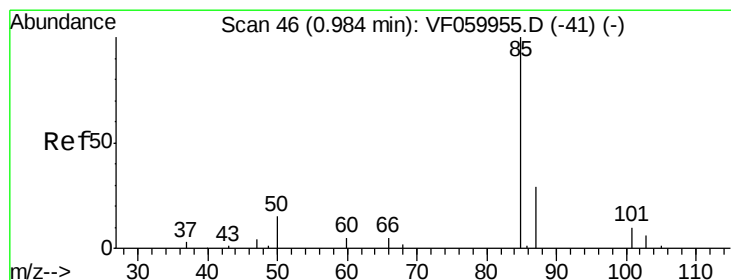
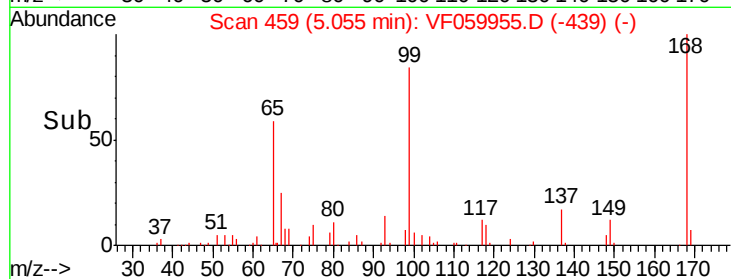
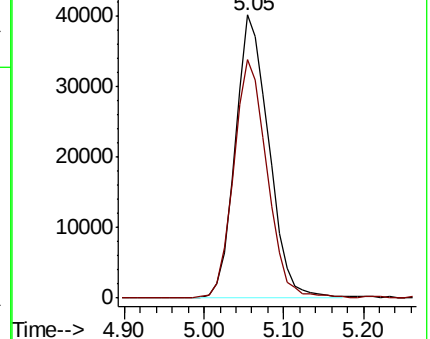
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 44.71 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059955.D

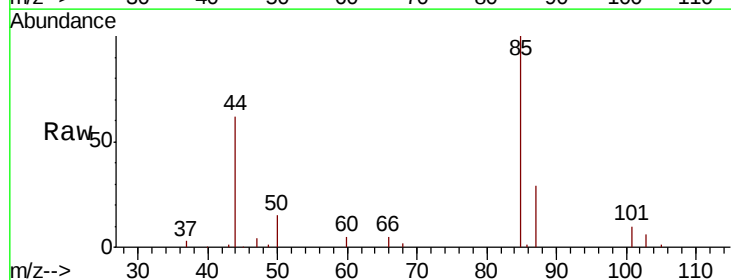
Acq: 14 Aug 2018 20:05

Tgt Ion: 85 Resp: 87721

Ion Ratio Lower Upper

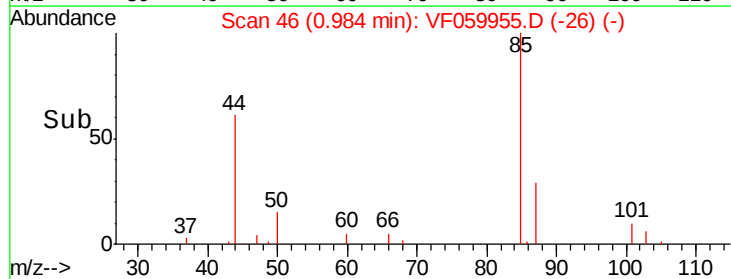
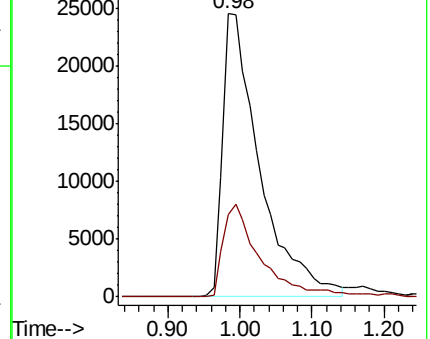
85 100

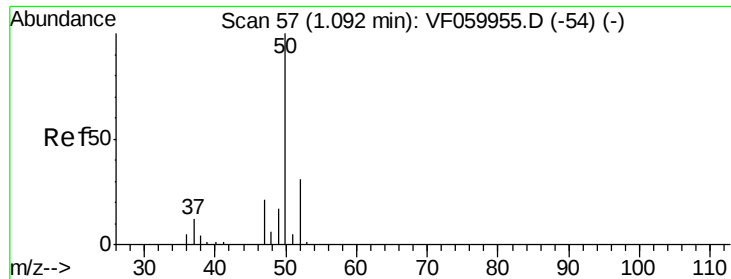
87 28.9 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 40.34 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 36671

Ion Ratio Lower Upper

50 100

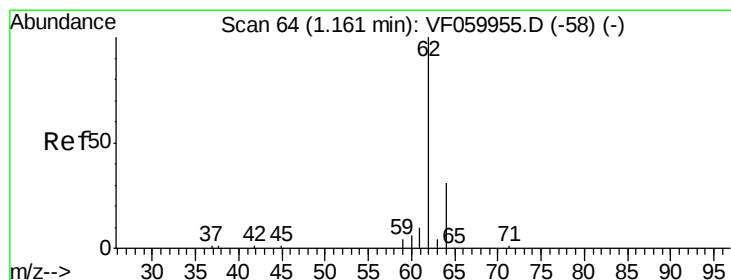
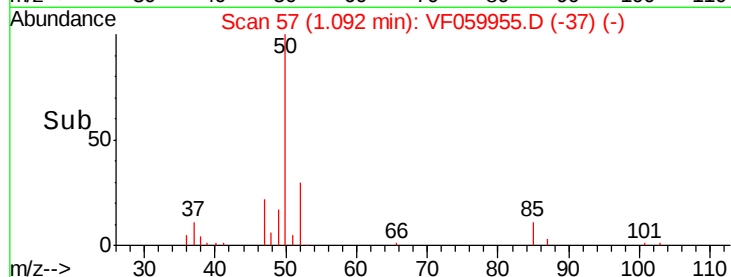
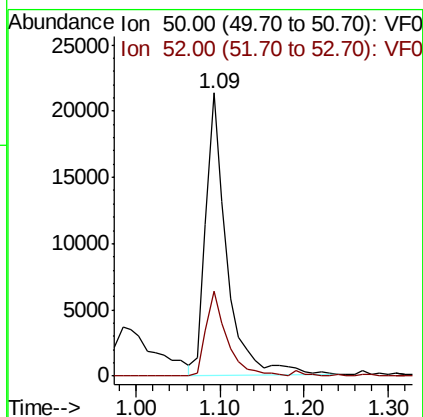
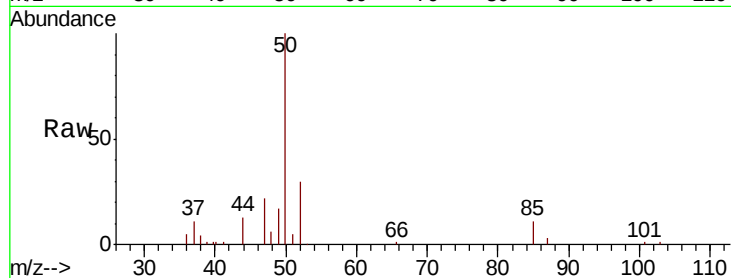
52 30.2 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.74 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059955.D

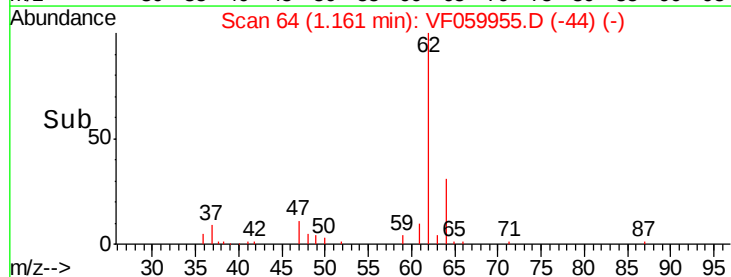
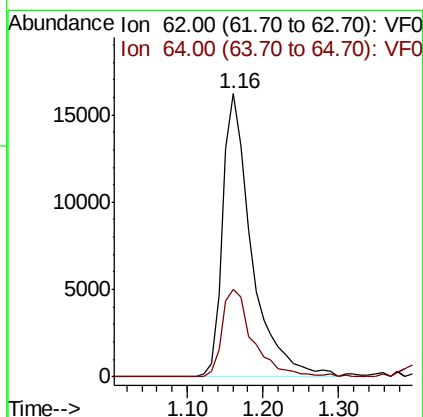
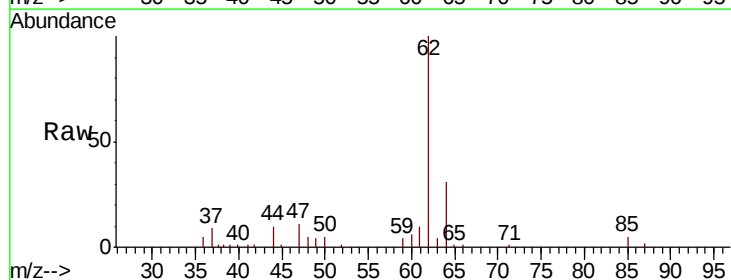
Acq: 14 Aug 2018 20:05

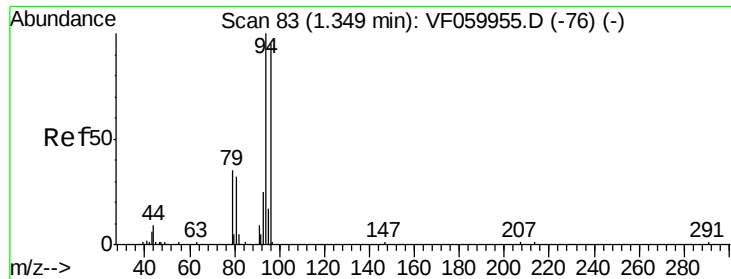
Tgt Ion: 62 Resp: 43149

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 41.76 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 36908

Ion Ratio Lower Upper

94 100

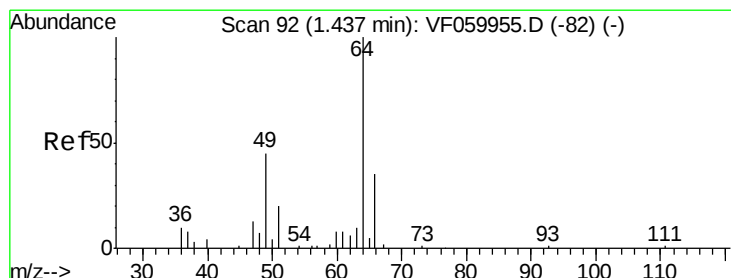
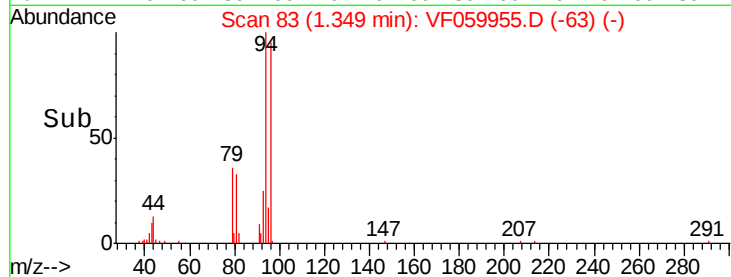
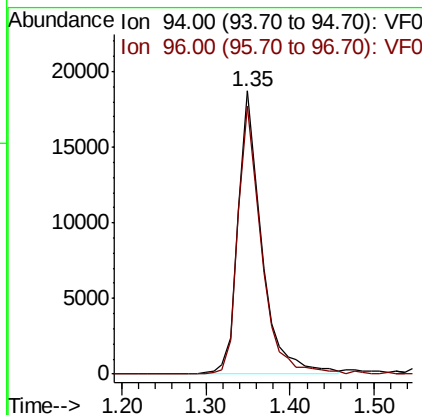
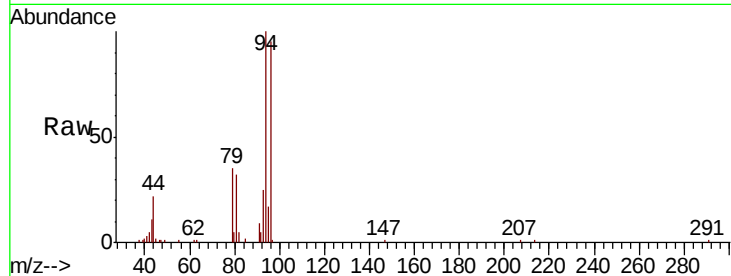
96 95.4 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 45.80 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF059955.D

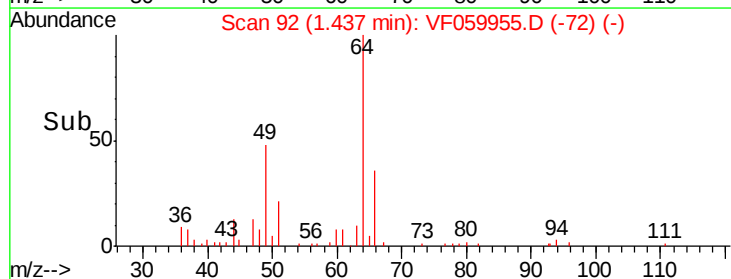
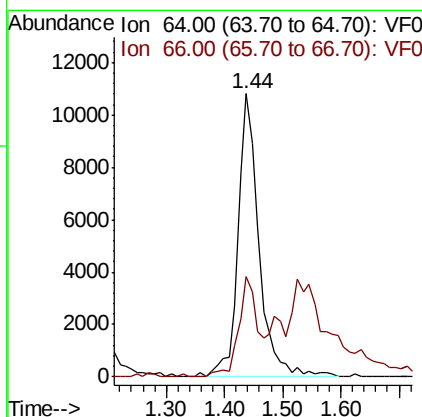
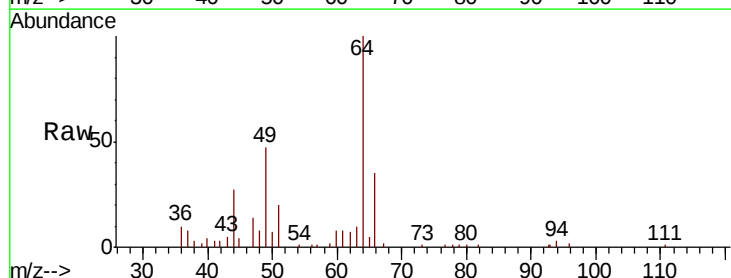
Acq: 14 Aug 2018 20:05

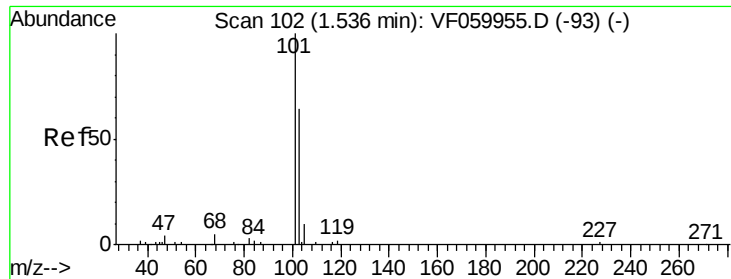
Tgt Ion: 64 Resp: 27071

Ion Ratio Lower Upper

64 100

66 35.2 28.2 42.2





#7

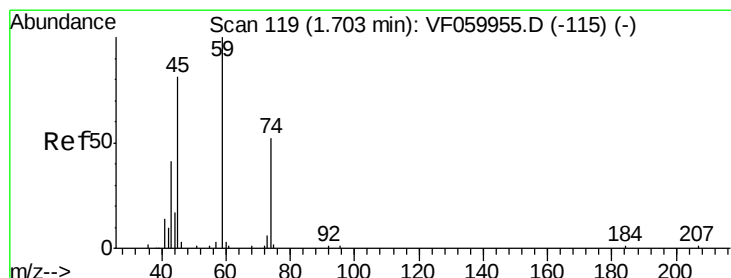
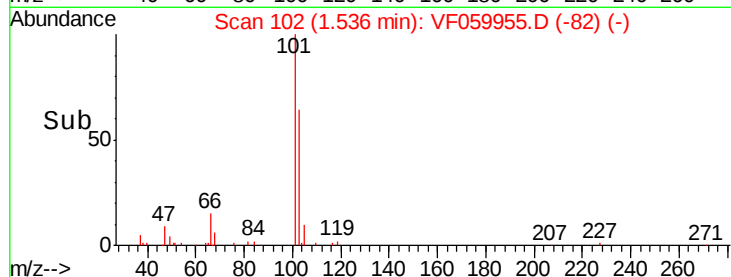
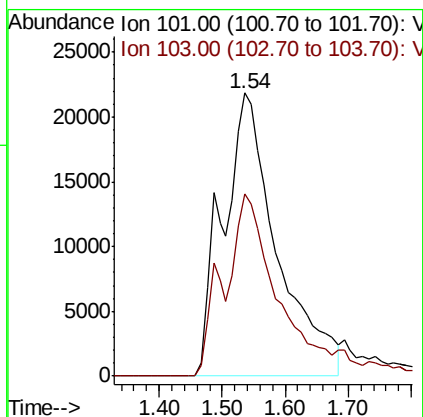
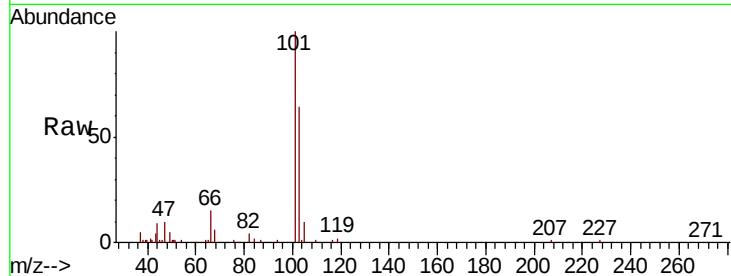
Trichlorofluoromethane
Concen: 49.98 ug/l
RT: 1.54 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059955.D
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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

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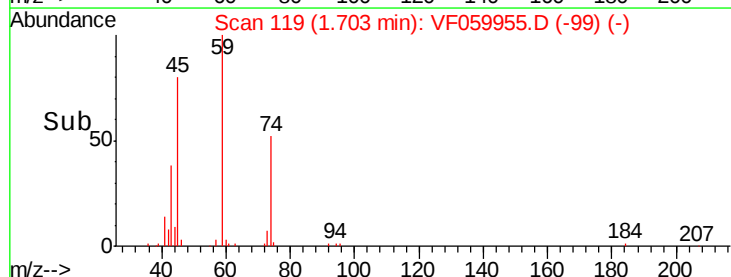
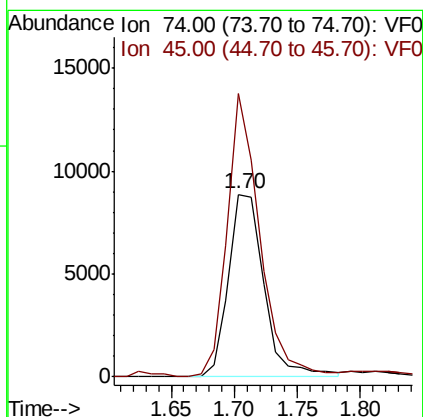
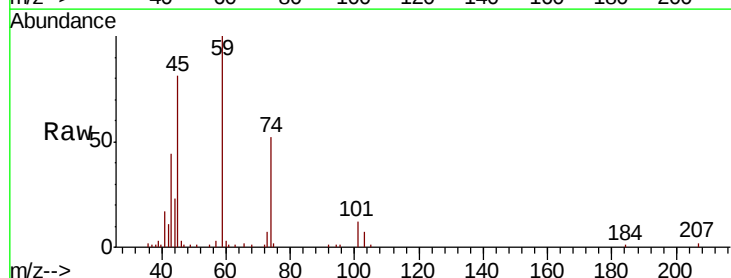
apatel
8/16/2018 12:15:06 PM

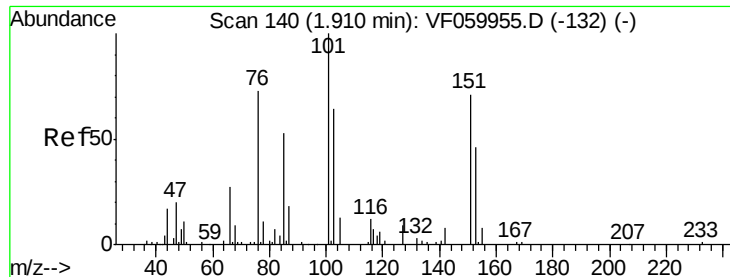


#8

Diethyl Ether
Concen: 42.53 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	155.1	77.5	232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.57 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

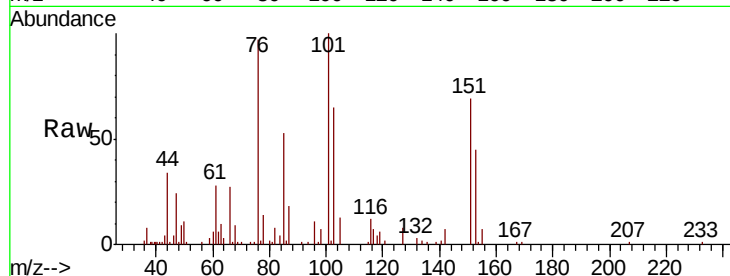
ClientSampleId :

VSTDICCC050

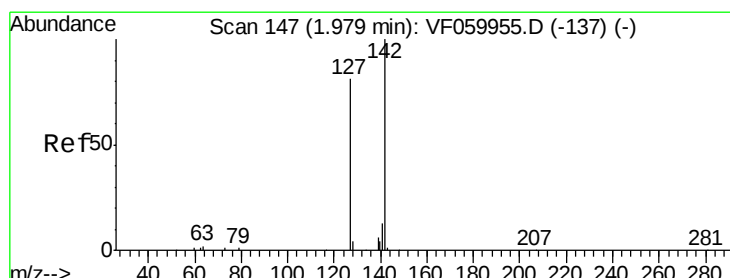
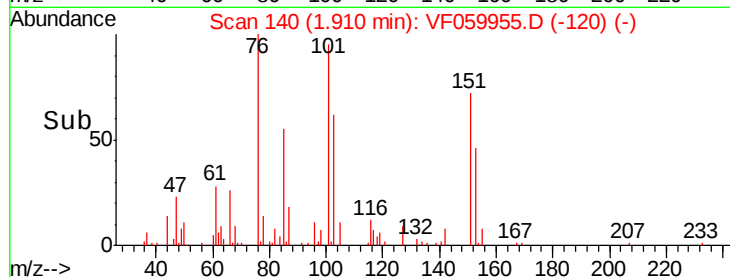
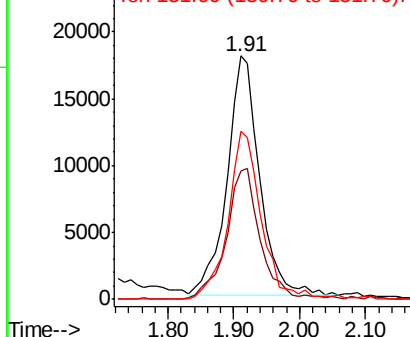
Tot Ion:	101	Resp:	61823
Ion Ratio	Lower	Upper	
101	100		
85	52.6	42.1	63.1
151	69.2	55.4	83.0

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



#10

Methyl Iodide

Concen: 43.69 ug/l

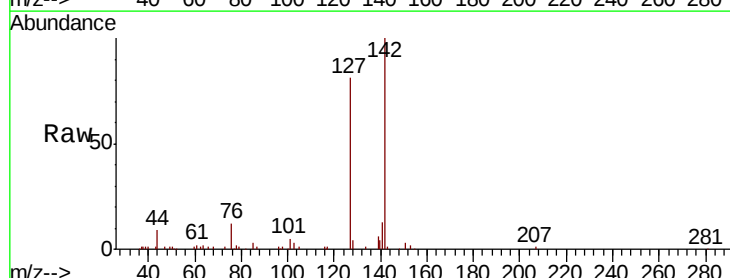
RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

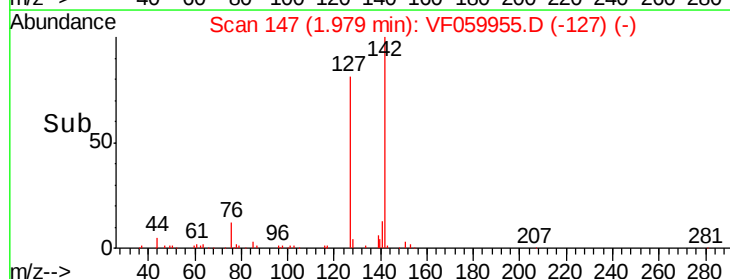
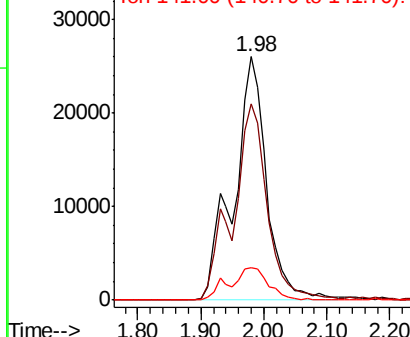
Lab File: VF059955.D

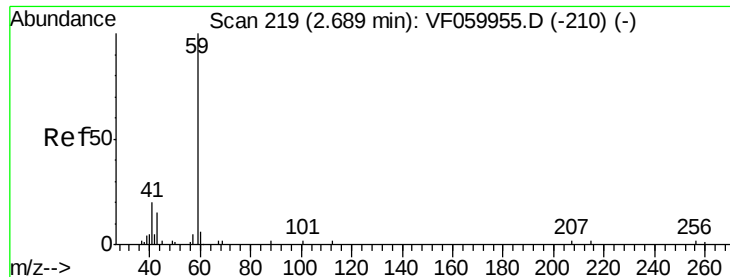
Acq: 14 Aug 2018 20:05

Tgt Ion:	142	Resp:	94863
Ion Ratio	Lower	Upper	
142	100		
127	80.6	64.5	96.7
141	13.5	10.8	16.2



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





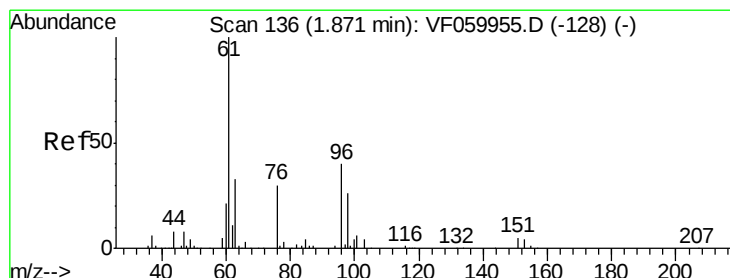
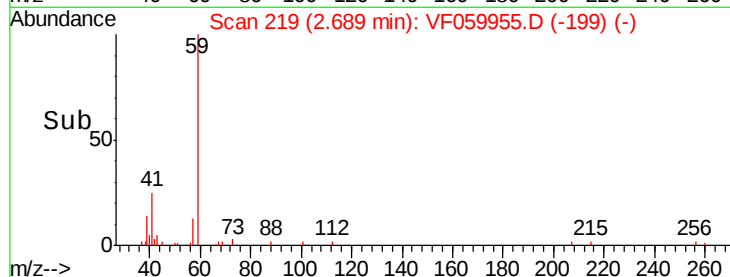
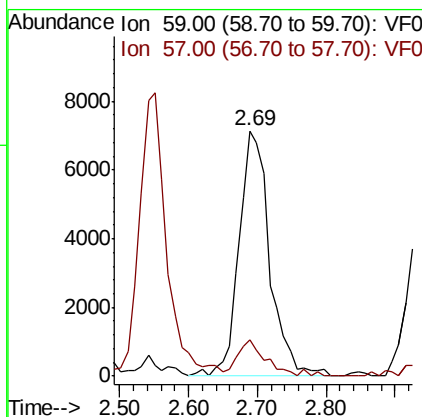
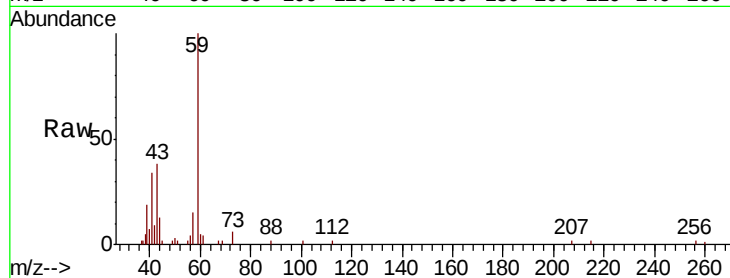
#11
Tert butyl alcohol
Concen: 253.85 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	22020
Ion Ratio	Lower	Upper	
59	100		
57	15.0	12.0	18.0

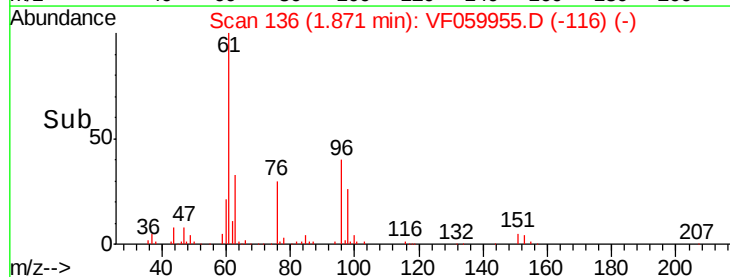
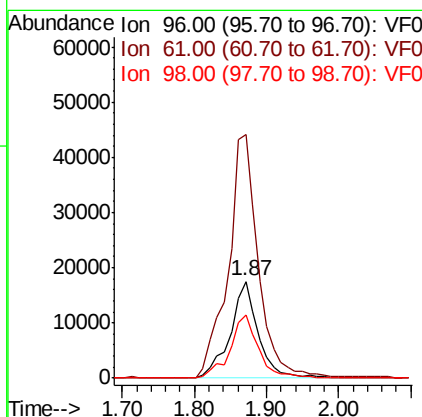
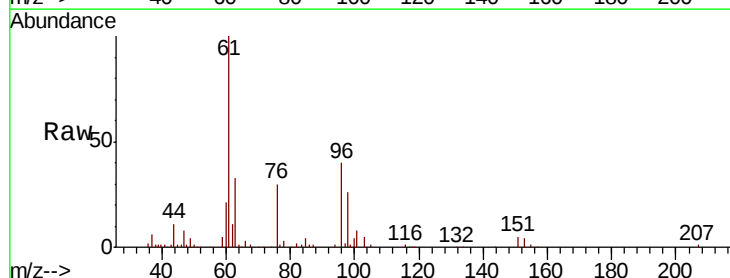
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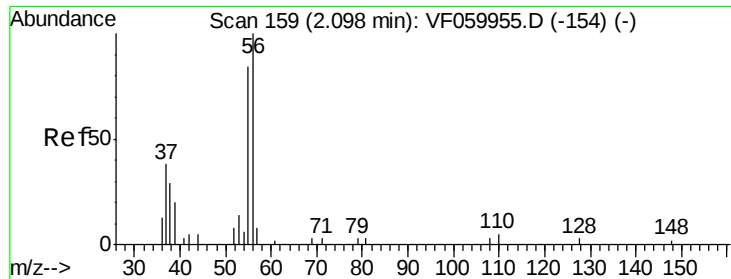
apatel
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#12
1,1-Dichloroethene
Concen: 45.50 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	96	Resp	47299
Ion Ratio	Lower	Upper	
96	100		
61	251.2	201.0	301.4
98	64.9	51.9	77.9





#13

Acrolein

Concen: 245.95 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 12679

Ion Ratio Lower Upper

56 100

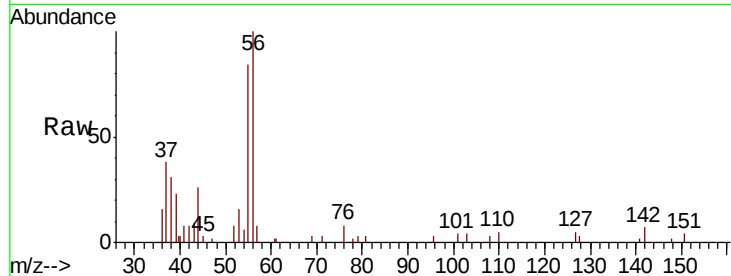
55 84.3 67.4 101.2

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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

6000

5000

4000

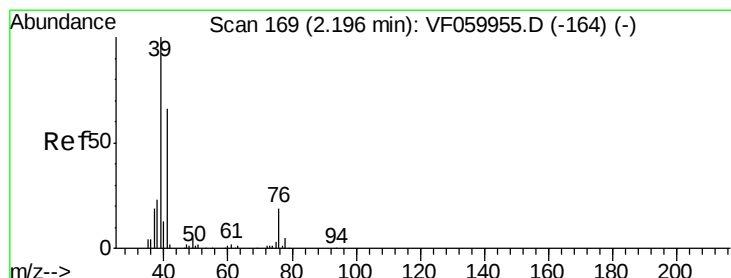
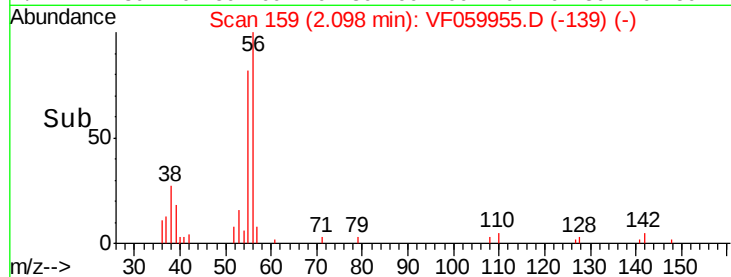
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 35.51 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

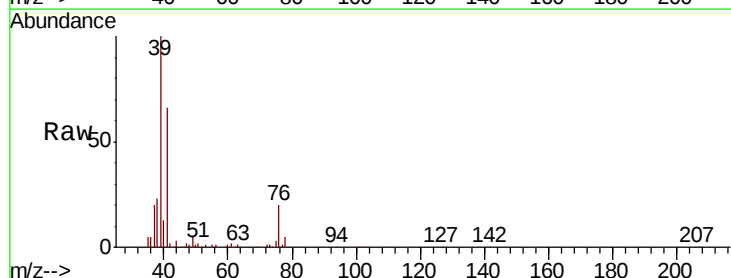
Tgt Ion: 41 Resp: 59249

Ion Ratio Lower Upper

41 100

39 151.2 121.0 181.4

76 29.5 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

50000

40000

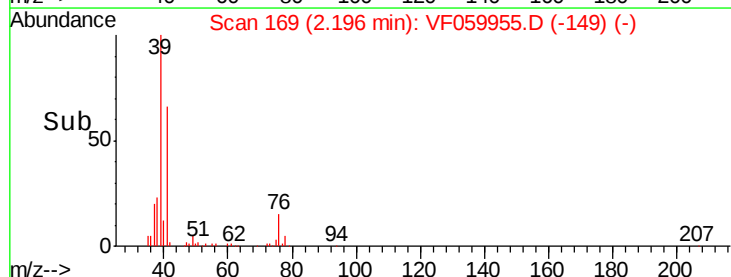
30000

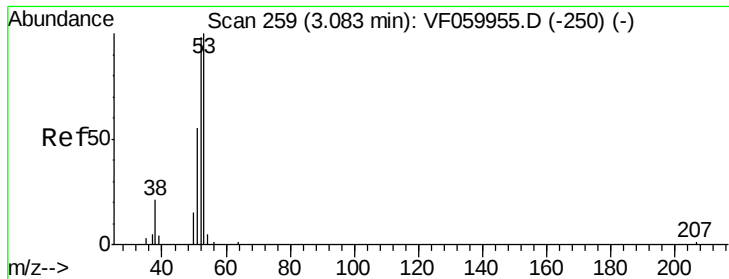
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 211.45 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

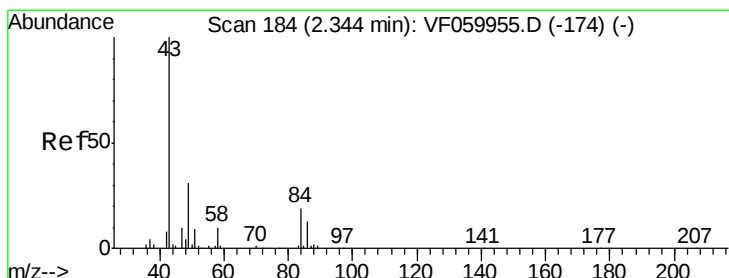
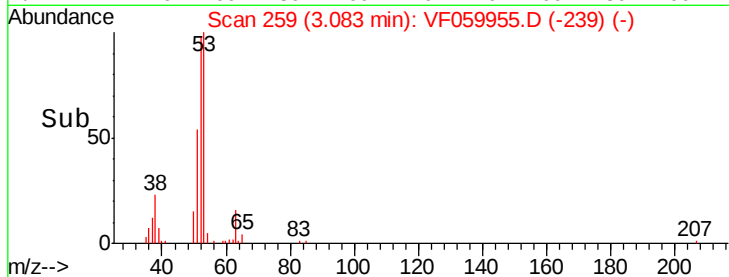
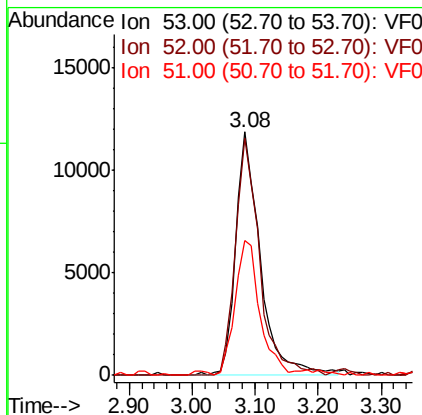
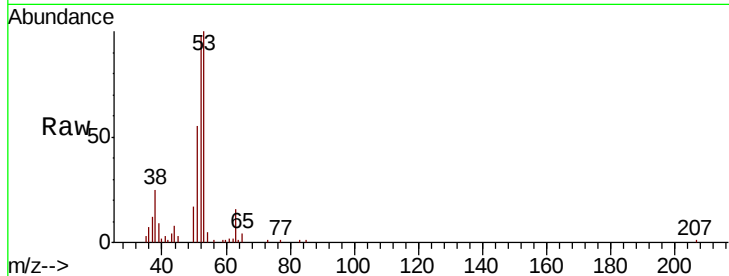
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	32039
Ion	Ratio	Lower	Upper
53	100		
52	97.6	78.1	117.1
51	55.3	44.2	66.4

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#16

Acetone

Concen: 246.44 ug/l

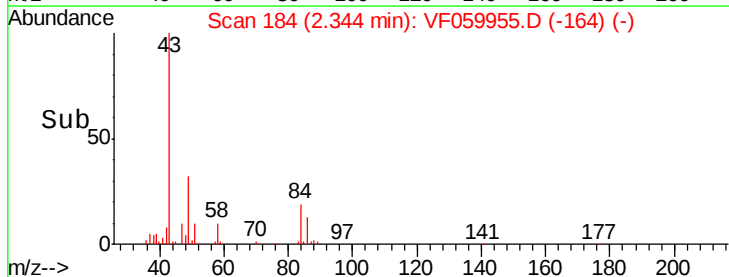
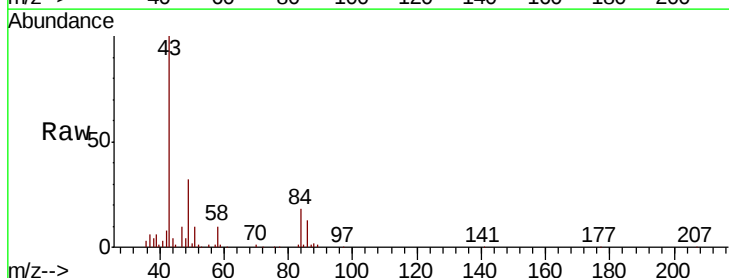
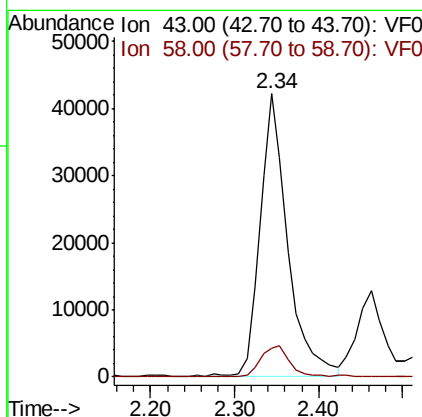
RT: 2.34 min Scan# 184

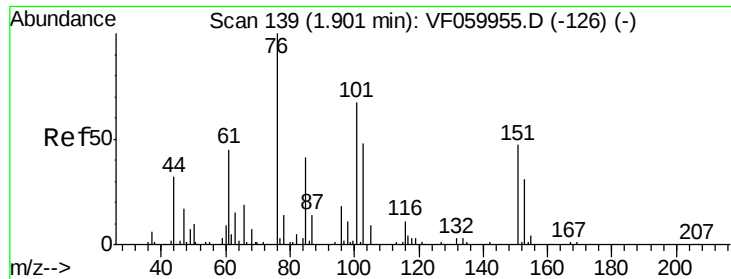
Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Tgt Ion:	43	Resp:	96946
Ion	Ratio	Lower	Upper
43	100		
58	10.1	8.1	12.1





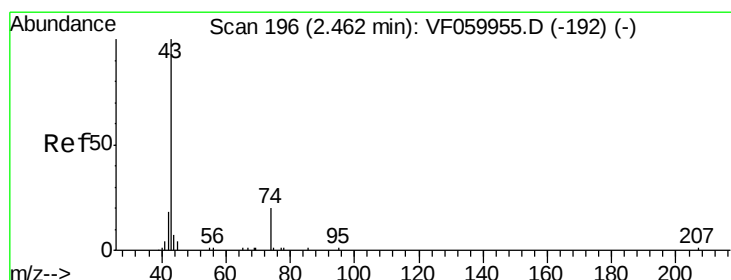
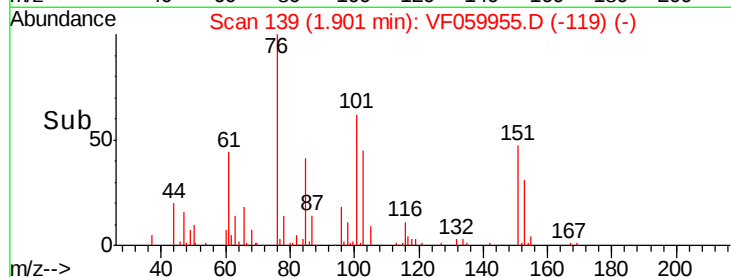
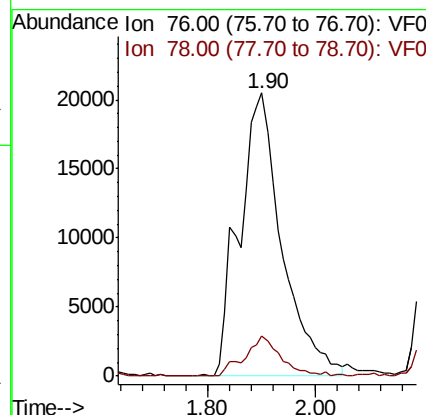
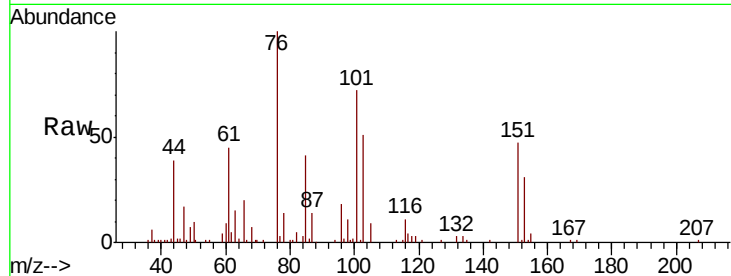
#17
Carbon Disulfide
Concen: 40.89 ug/l
RT: 1.90 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 111768
Ion Ratio Lower Upper
76 100
78 14.2 11.4 17.0

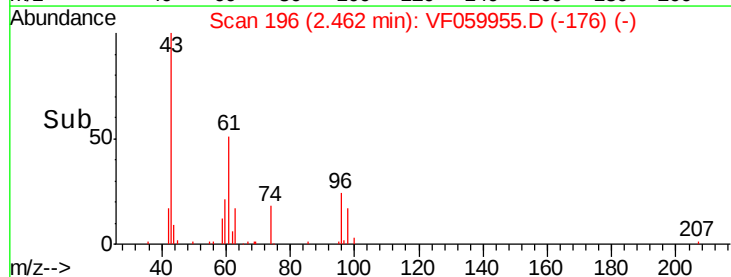
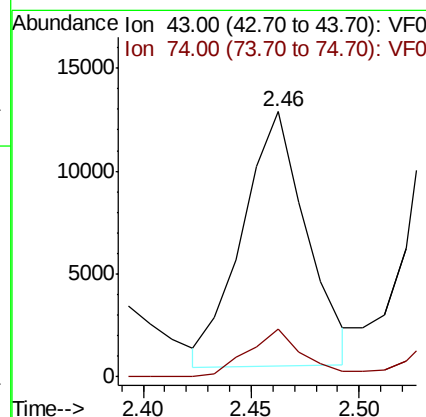
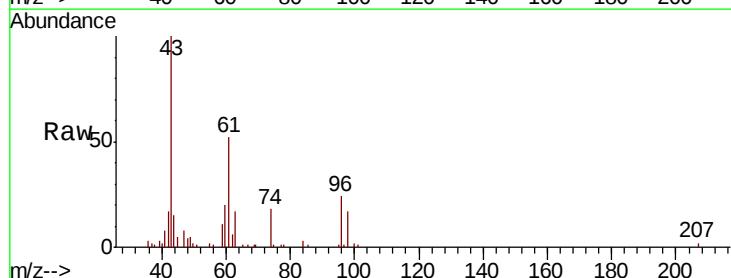
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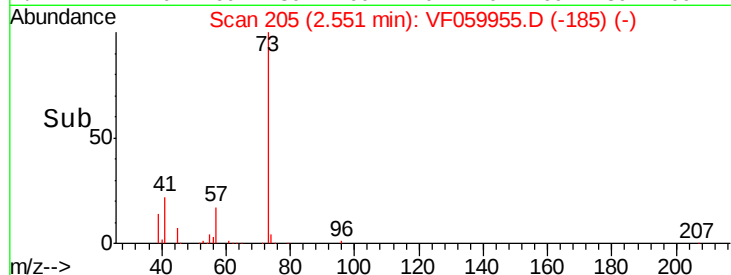
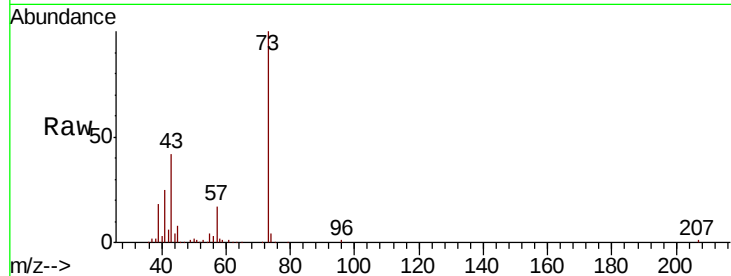
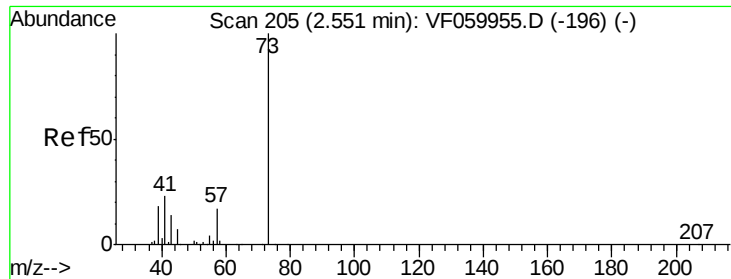
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#18
Methyl Acetate
Concen: 39.63 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion: 43 Resp: 25654
Ion Ratio Lower Upper
43 100
74 17.9 14.3 21.5





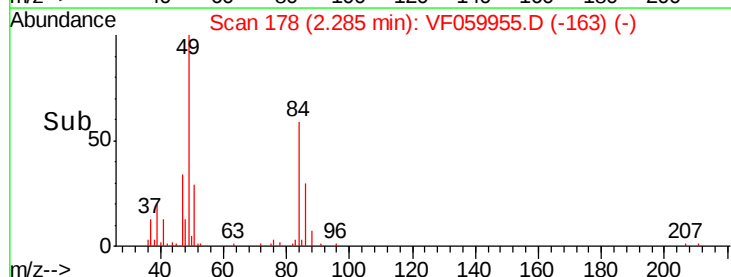
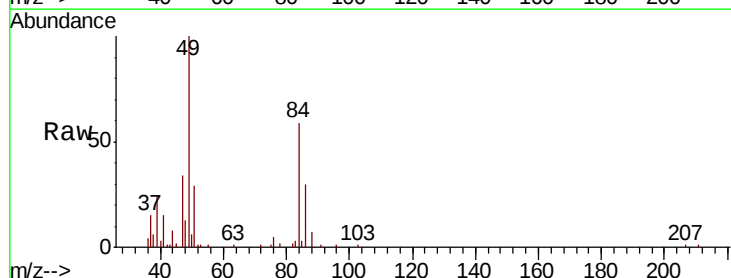
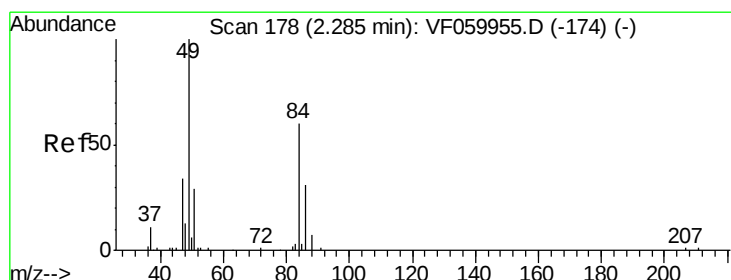
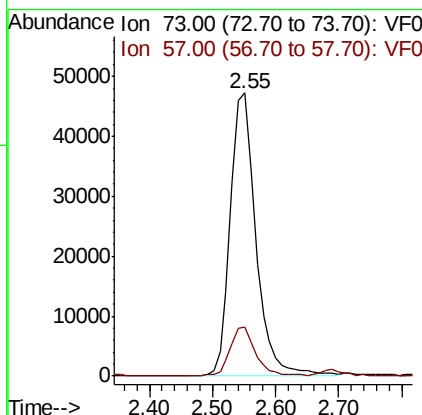
#19
Methvl tert-butvl Ether
Concen: 45.19 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tot Ion: 73 Resp: 133076
Ion Ratio Lower Upper
73 100
57 17.5 14.0 21.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

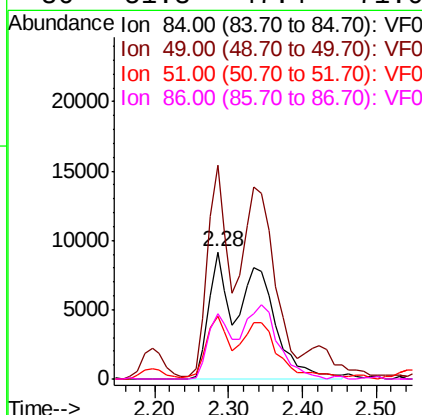
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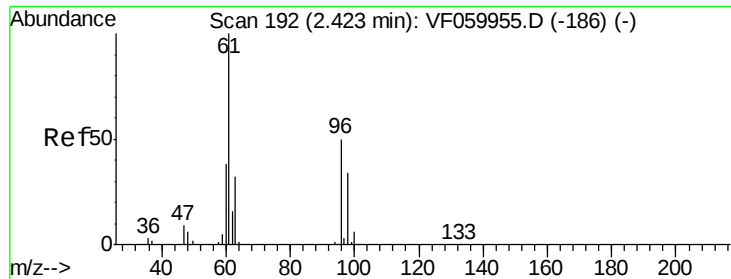
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#20
Methylene Chloride
Concen: 48.54 ug/l m
RT: 2.28 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion: 84 Resp: 42863
Ion Ratio Lower Upper
84 100
49 168.5 138.6 207.8
51 49.7 40.2 60.4
86 51.3 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 43.49 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

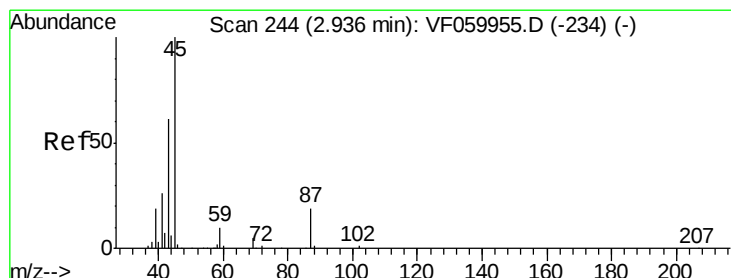
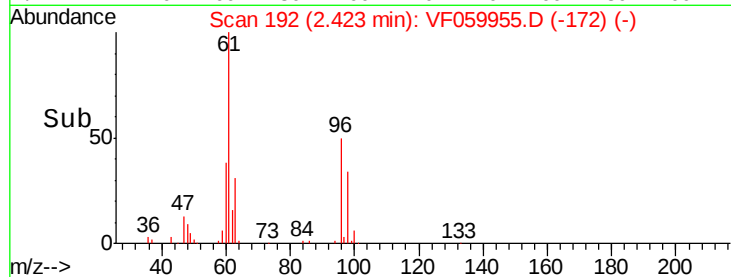
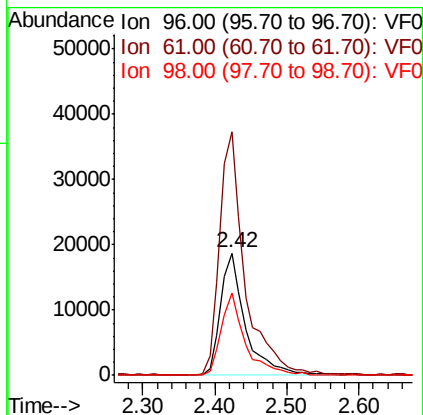
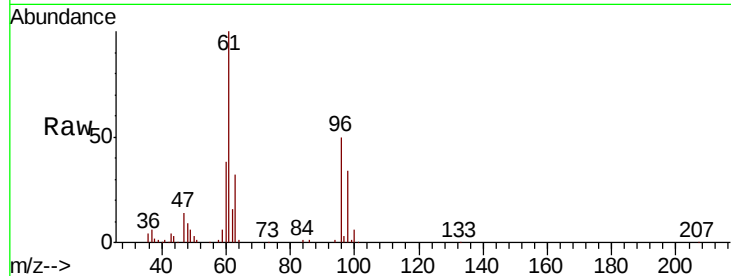
ClientSampled :

VSTDICCC050

Tot Ion:	96	Resp:	44686
Ion	Ratio	Lower	Upper
96	100		
61	199.4	159.5	239.3
98	67.2	53.8	80.6

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#22

Diisopropyl ether

Concen: 46.22 ug/l

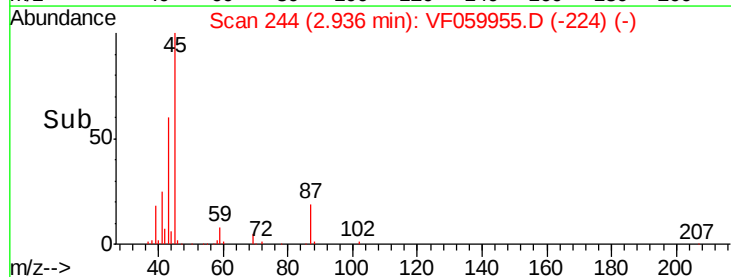
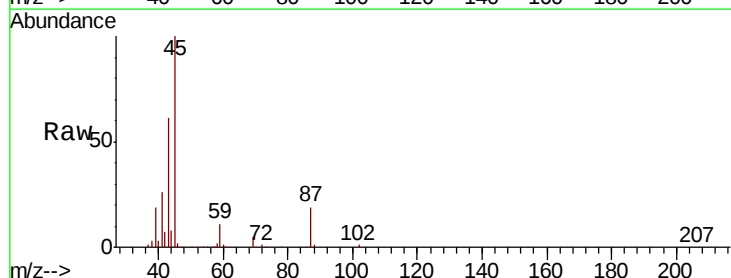
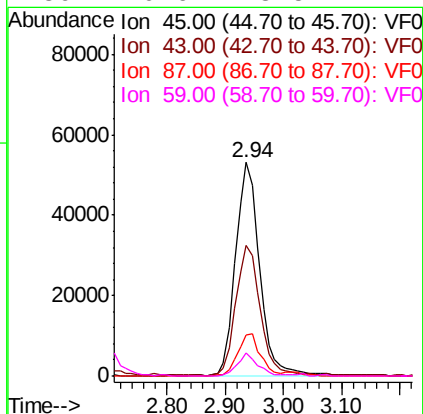
RT: 2.94 min Scan# 244

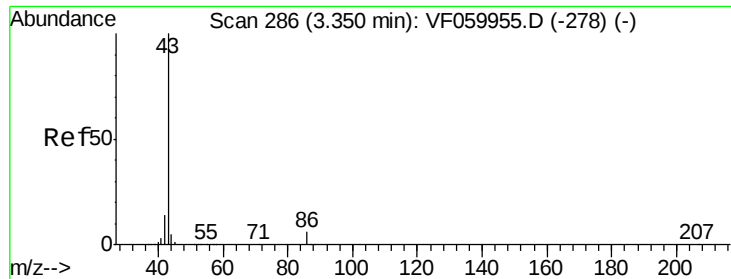
Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Tgt Ion:	45	Resp:	153912
Ion	Ratio	Lower	Upper
45	100		
43	60.9	48.7	73.1
87	19.1	15.3	22.9
59	10.6	8.5	12.7





#23

Vinyl Acetate

Concen: 249.35 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 404240

Ion Ratio Lower Upper

43 100

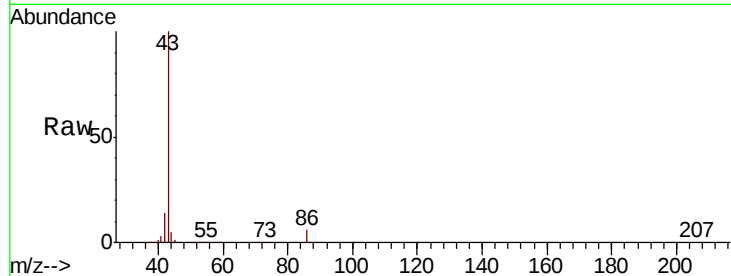
86 6.1 4.9 7.3

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

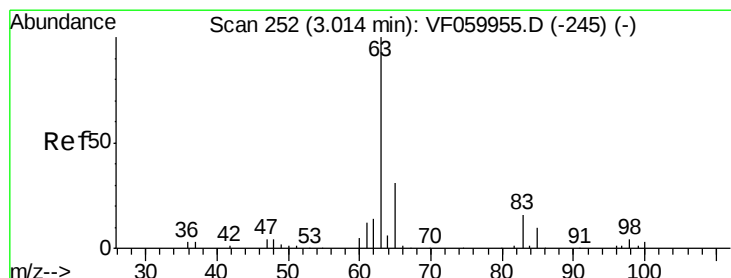
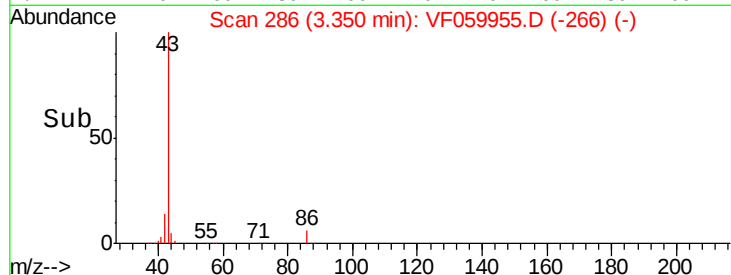
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 44.90 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

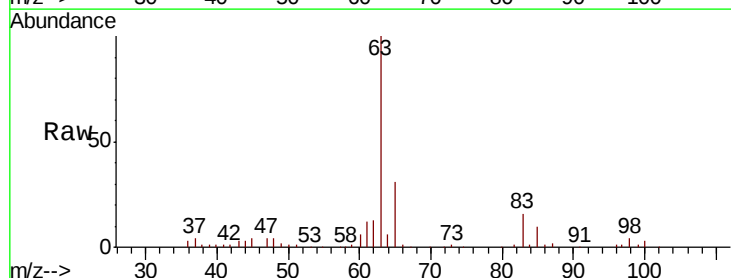
Tgt Ion: 63 Resp: 108605

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.2

100 3.4 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

50000

40000

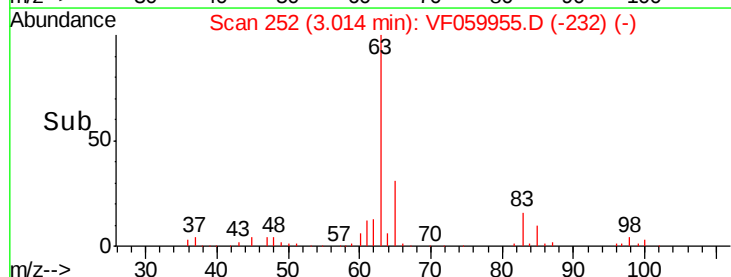
30000

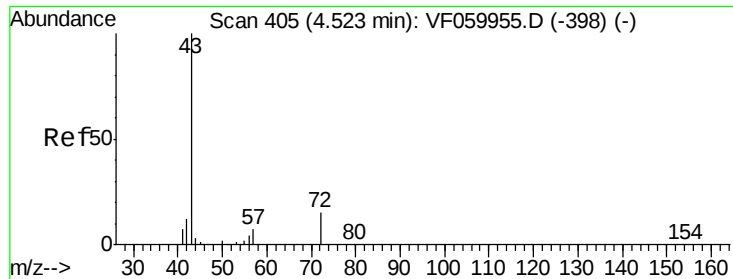
20000

10000

0

Time-->





#25

2-Butanone

Concen: 233.49 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 98570

Ion Ratio Lower Upper

43 100

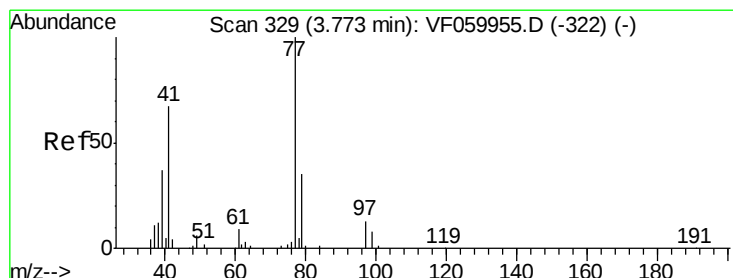
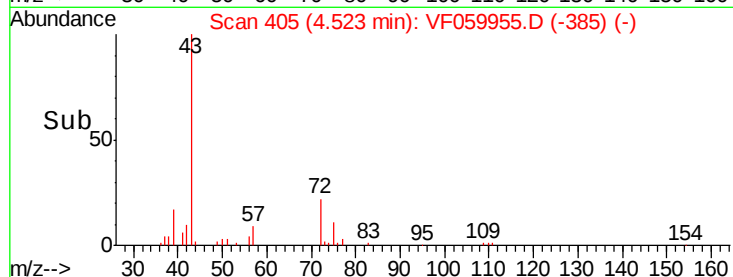
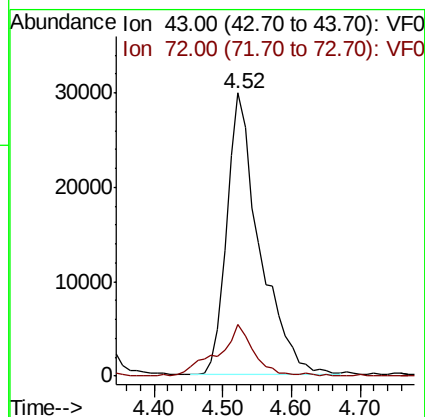
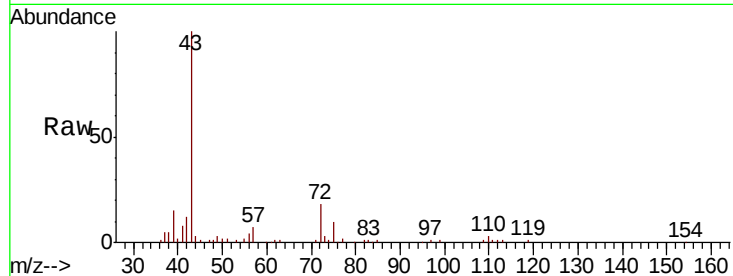
72 18.3 14.6 22.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.42 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059955.D

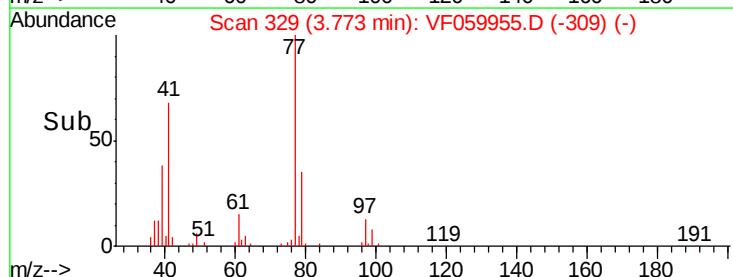
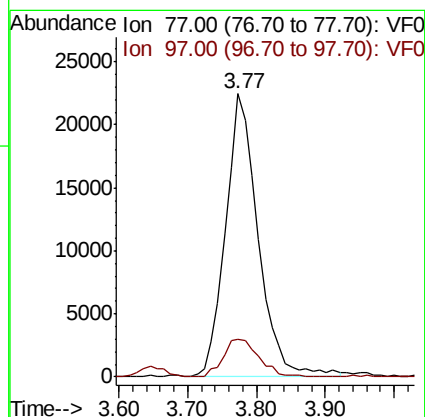
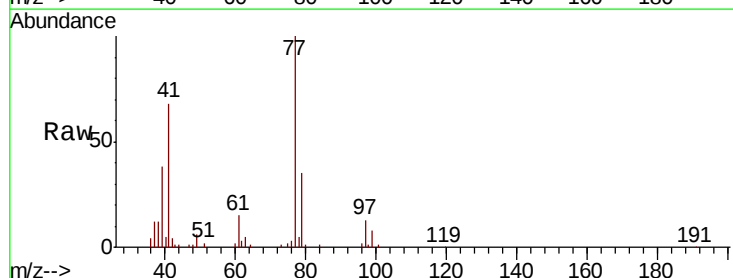
Acq: 14 Aug 2018 20:05

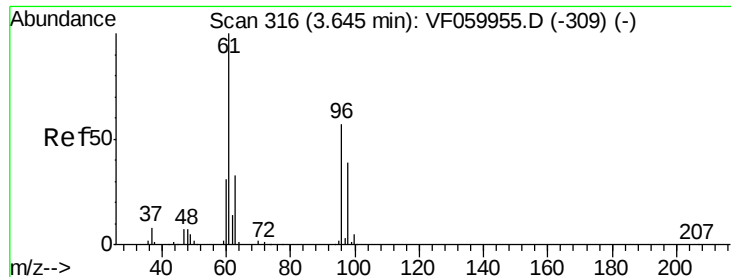
Tgt Ion: 77 Resp: 73877

Ion Ratio Lower Upper

77 100

97 13.1 6.6 19.7





#27

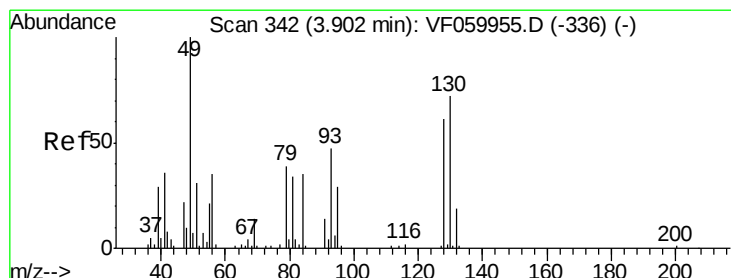
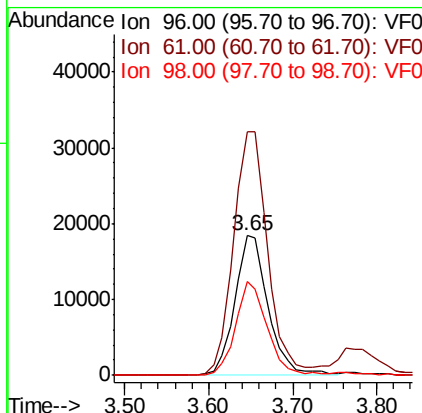
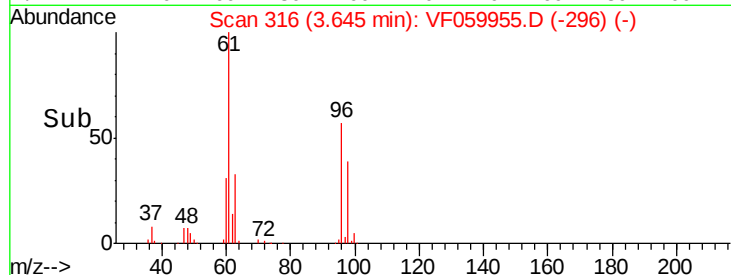
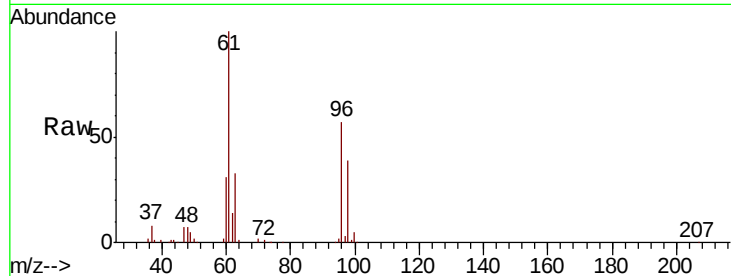
cis-1,2-Dichloroethene
Concen: 44.58 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.7	0.0	349.4
98	67.3	0.0	134.6

Manual Integrations
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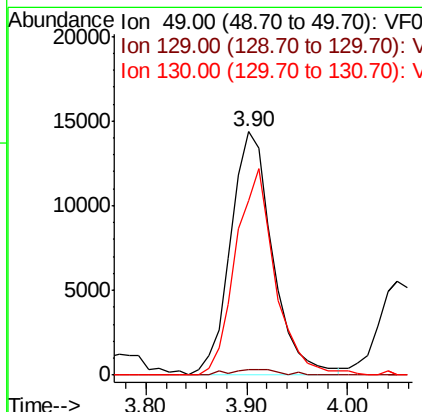
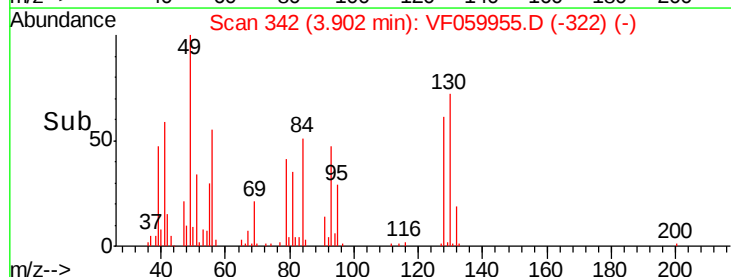
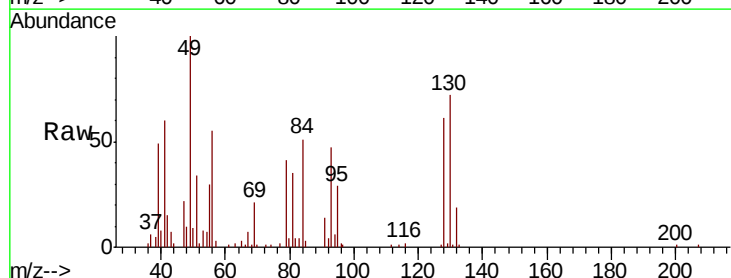
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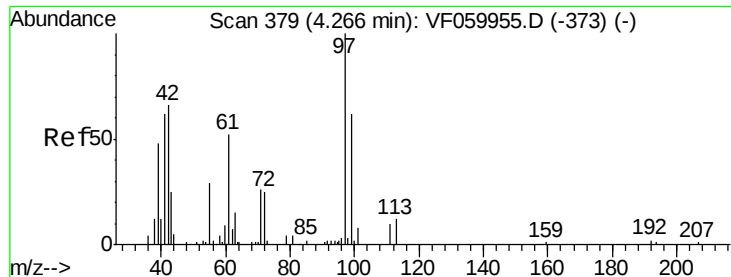


#28

Bromochloromethane
Concen: 48.10 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	72.6	58.1	87.1





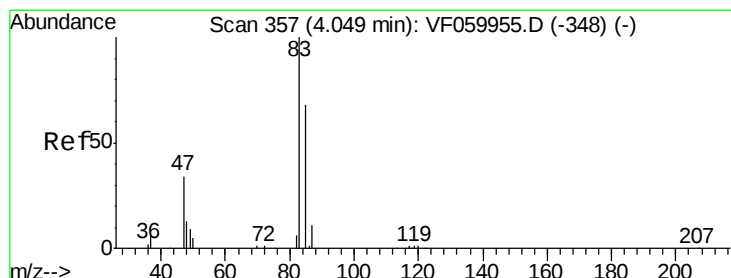
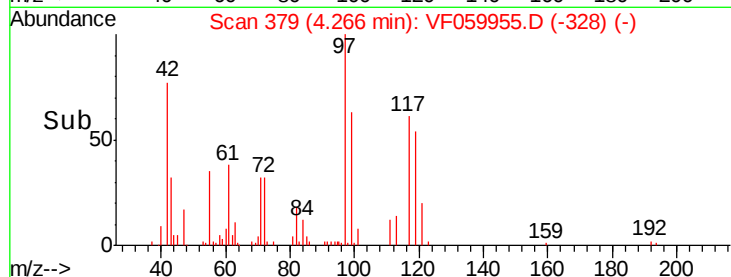
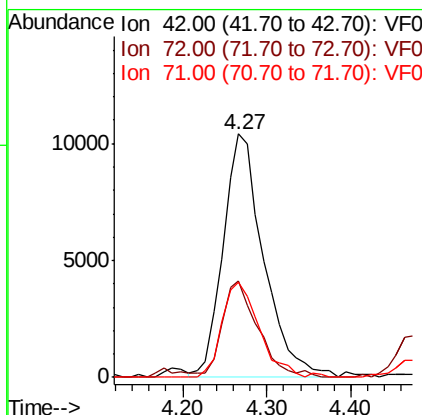
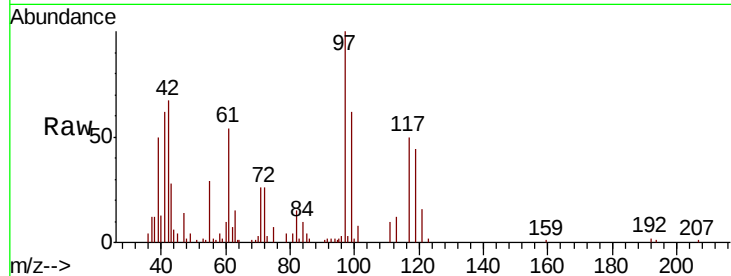
#29
Tetrahydrofuran
Concen: 225.47 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	27.7	41.5
71	35.3	28.2	42.4

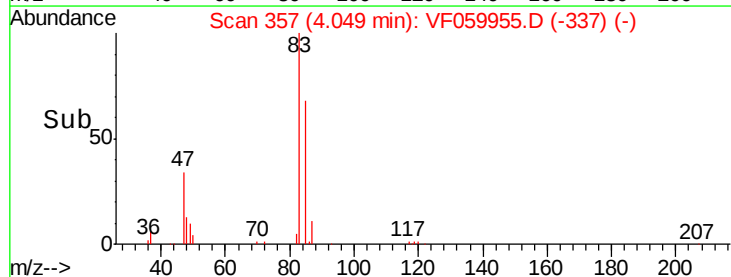
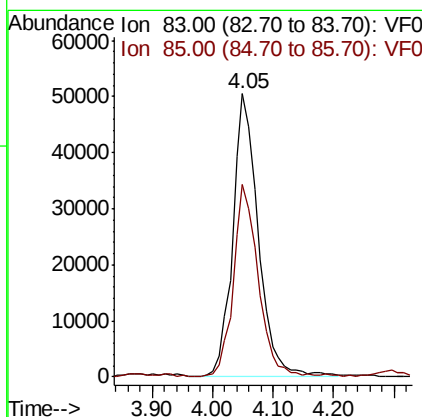
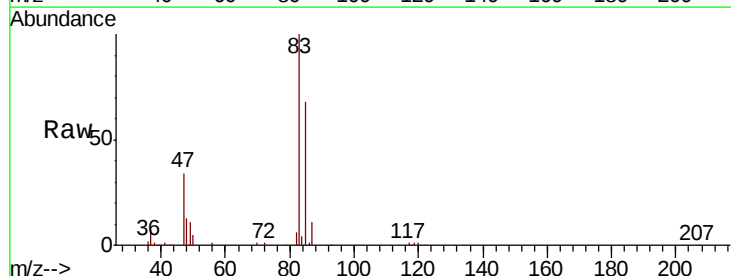
Manual Integrations
APPROVED

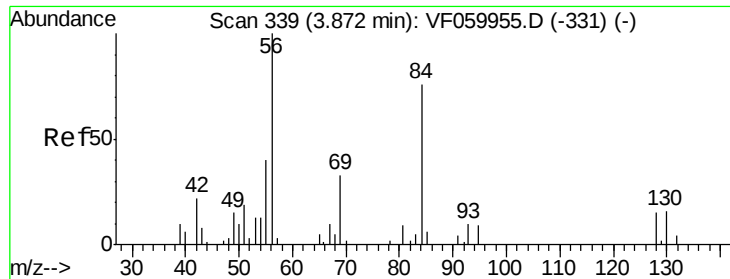
apatel
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#30
Chloroform
Concen: 45.51 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	54.4	81.6





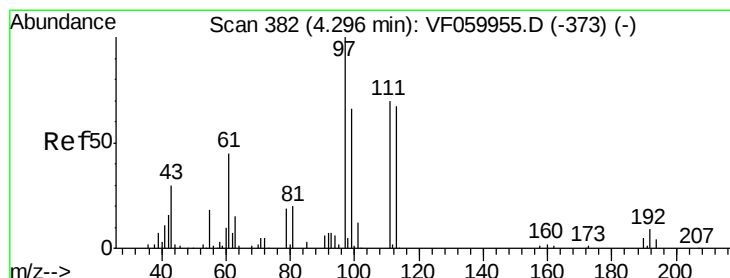
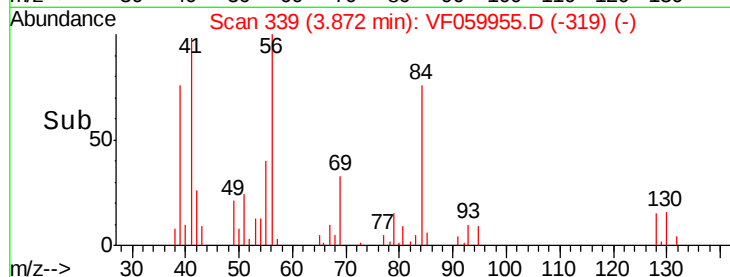
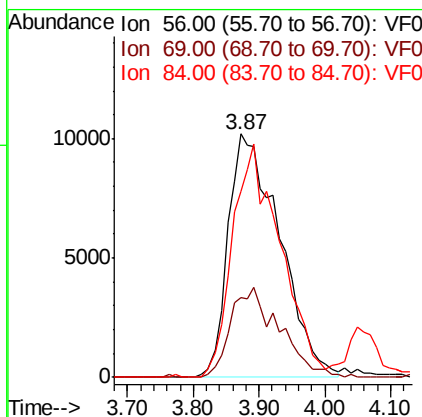
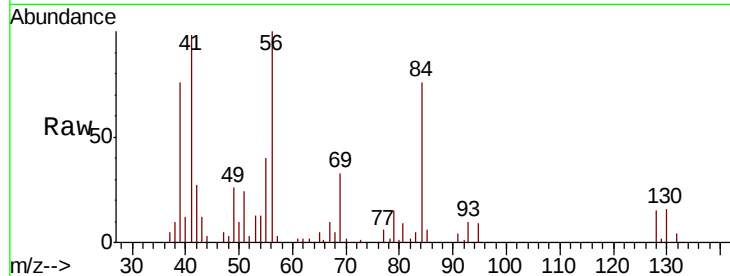
#31
Cyclohexane
Concen: 46.76 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.2	39.2
84	76.2	61.0	91.4

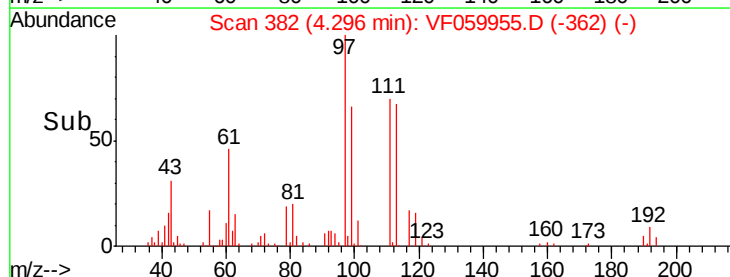
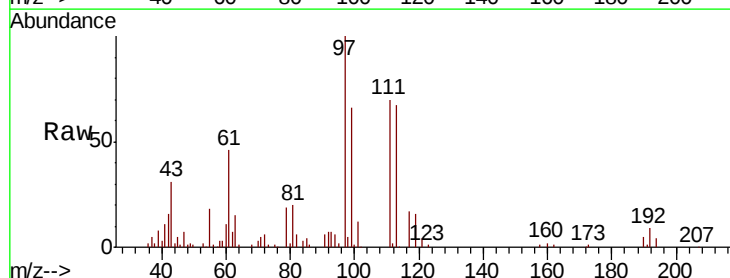
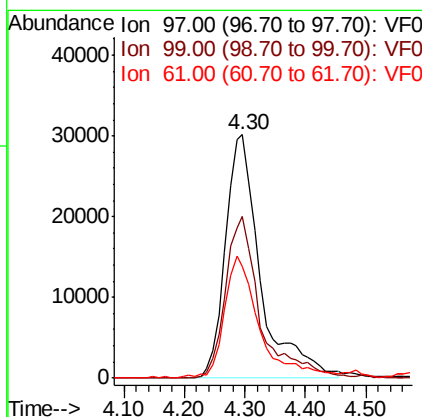
Manual Integrations
APPROVED

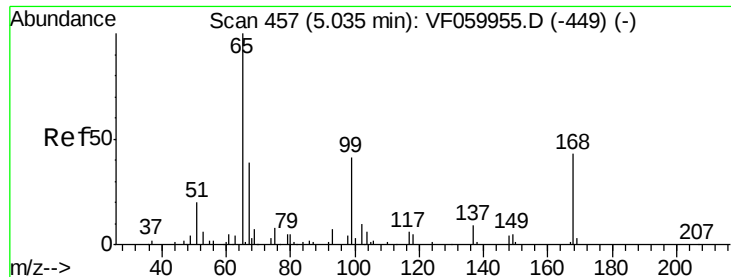
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#32
1,1,1-Trichloroethane
Concen: 46.52 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	53.0	79.4
61	45.8	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 52.15 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 110833

Ion Ratio Lower Upper

65 100

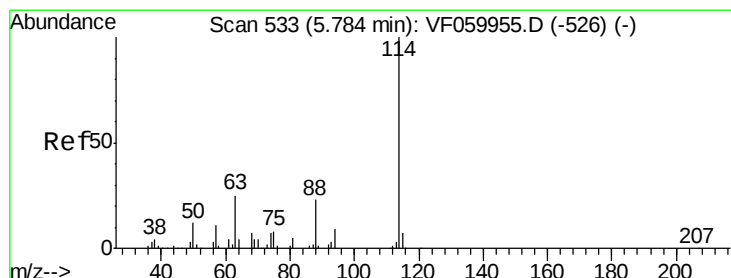
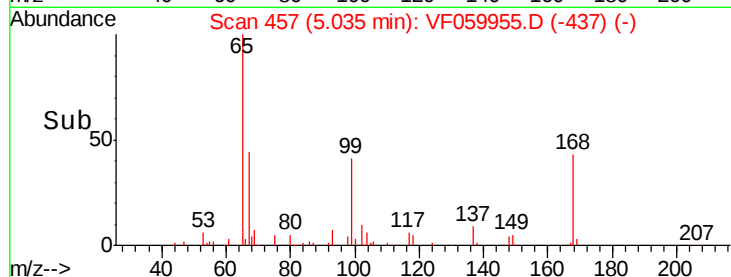
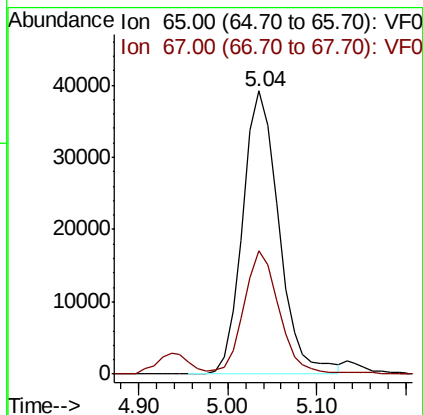
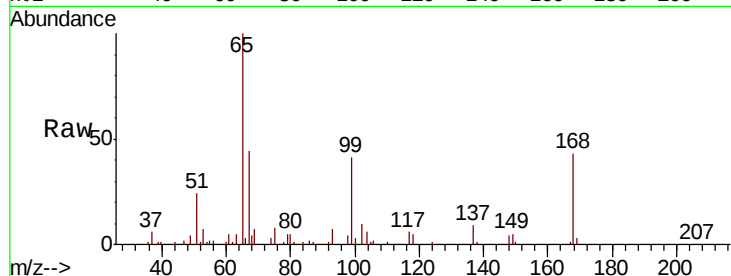
67 43.7 0.0 87.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

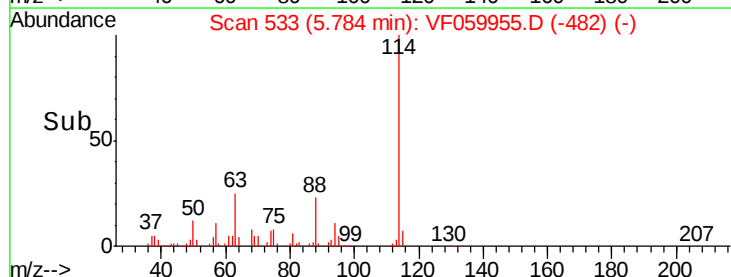
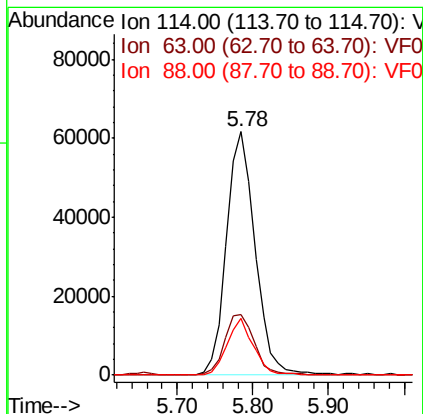
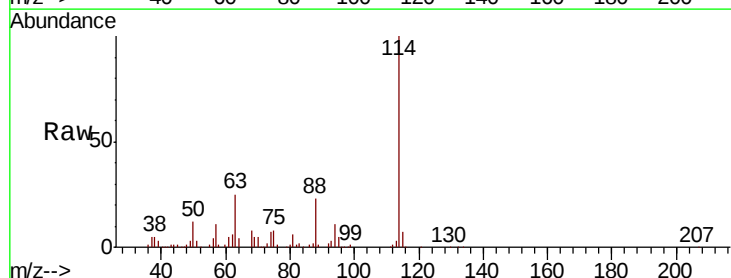
Tgt Ion: 114 Resp: 161735

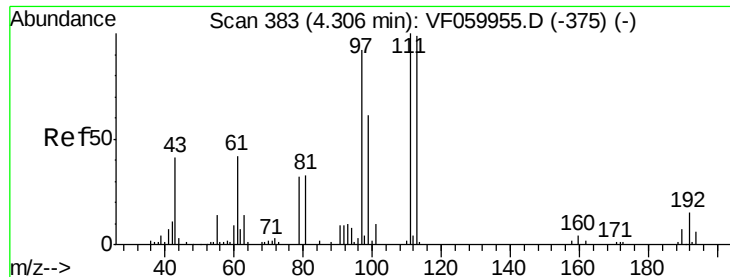
Ion Ratio Lower Upper

114 100

63 25.1 0.0 50.2

88 23.4 0.0 46.8





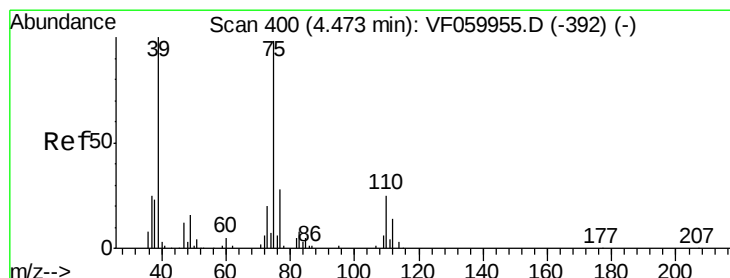
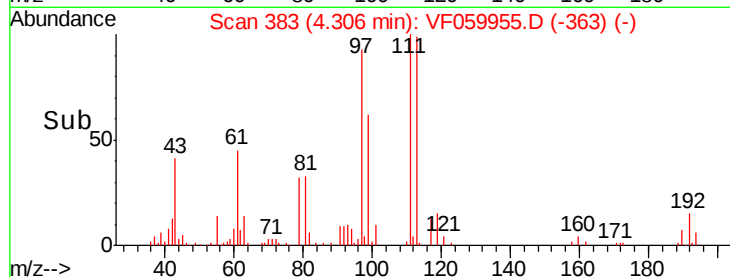
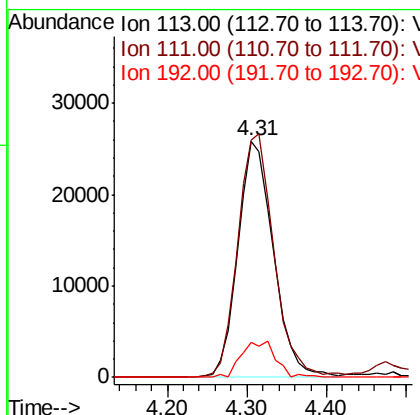
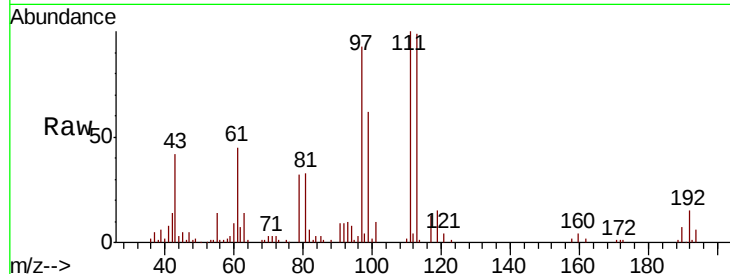
#35
 Dibromofluoromethane
 Concen: 49.95 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	80.6	121.0
192	14.6	11.7	17.5

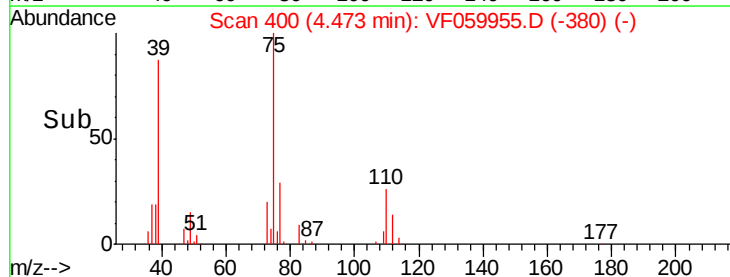
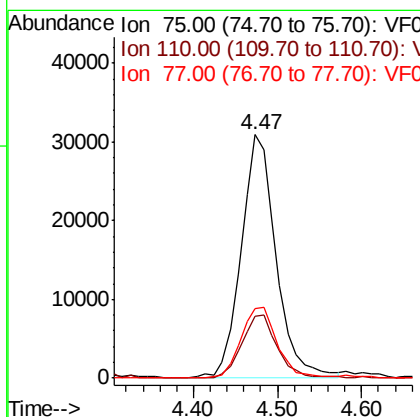
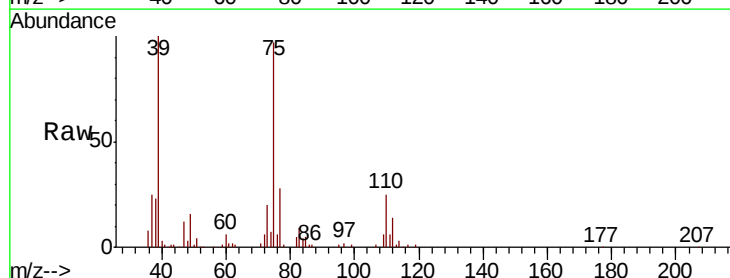
Manual Integrations
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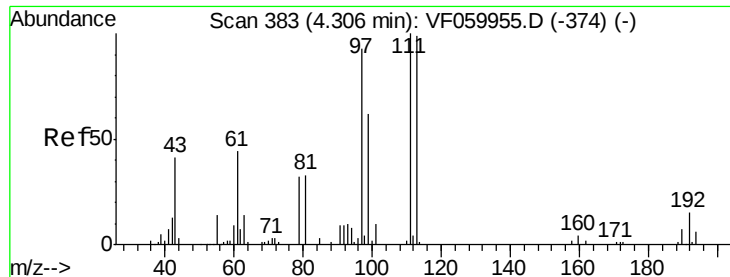
apatel
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#36
 1,1-Dichloropropene
 Concen: 48.76 ug/l
 RT: 4.47 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	25.2	12.6	37.8
77	28.4	22.7	34.1





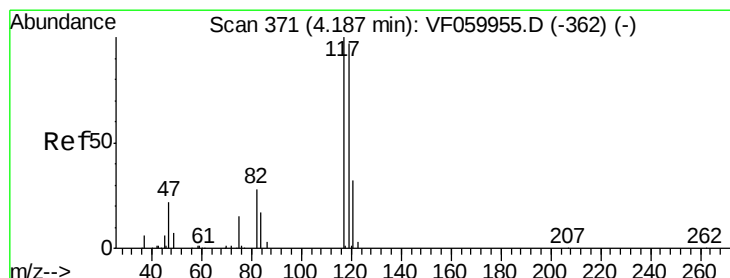
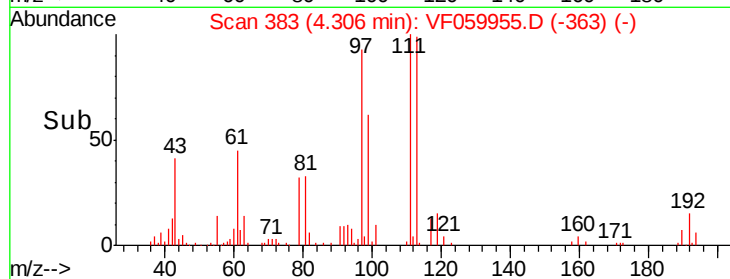
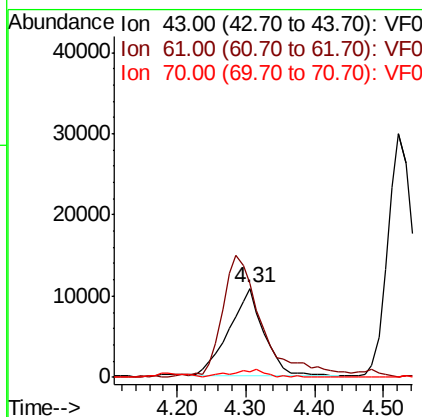
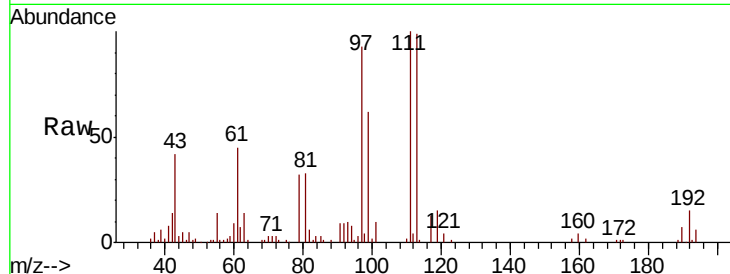
#37
Ethyl Acetate
Concen: 48.55 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	105.4	84.3	126.5
70	6.9	5.5	8.3

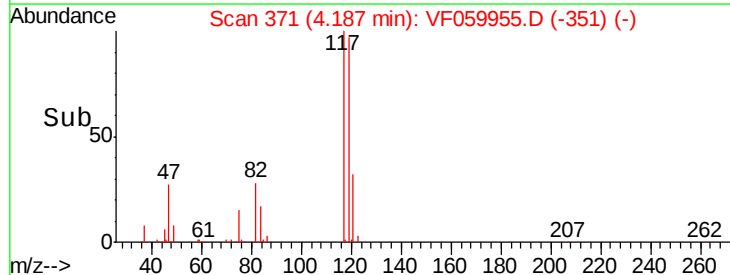
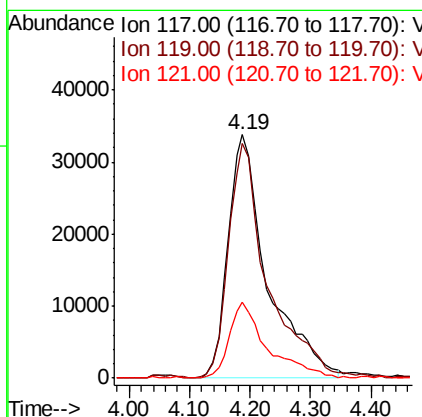
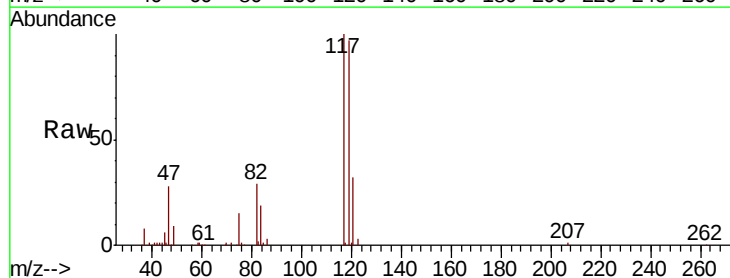
Manual Integrations
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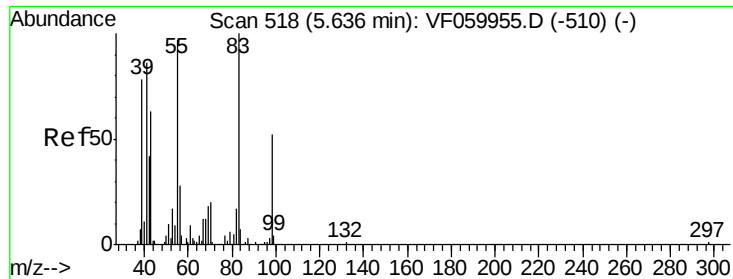
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#38
Carbon Tetrachloride
Concen: 55.98 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	31.1	24.9	37.3





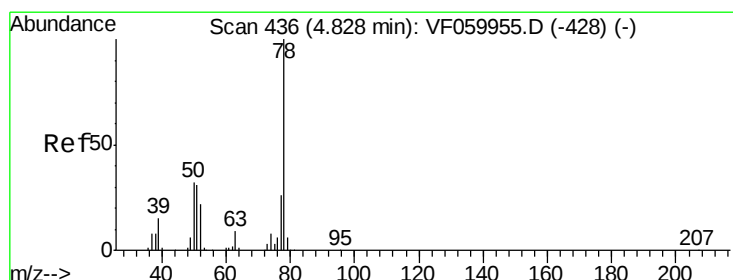
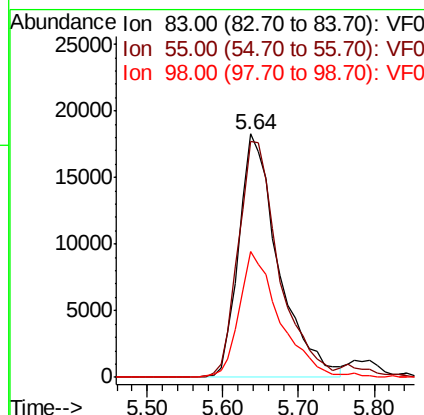
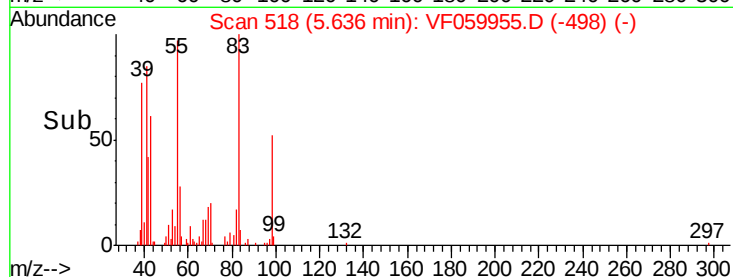
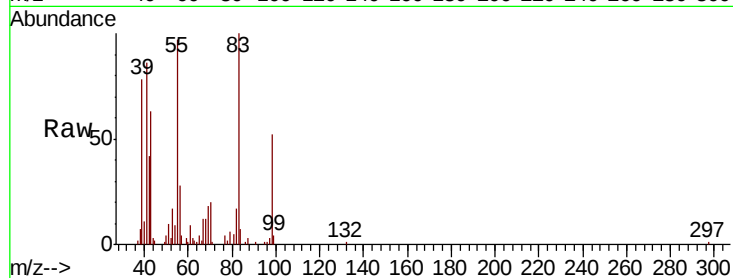
#39
Methvlcvclohexane
Concen: 48.60 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.8	77.4	116.2
98	51.9	41.5	62.3

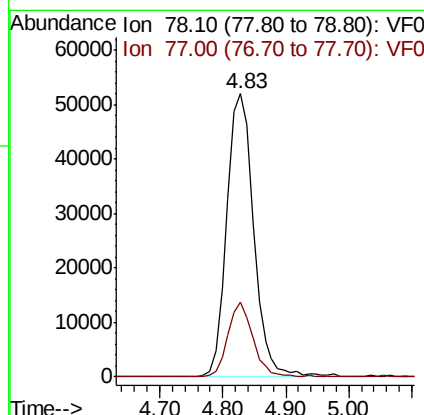
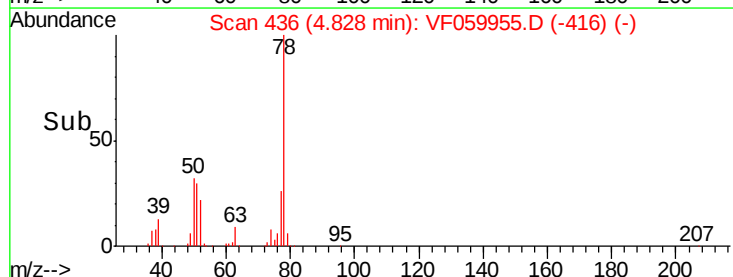
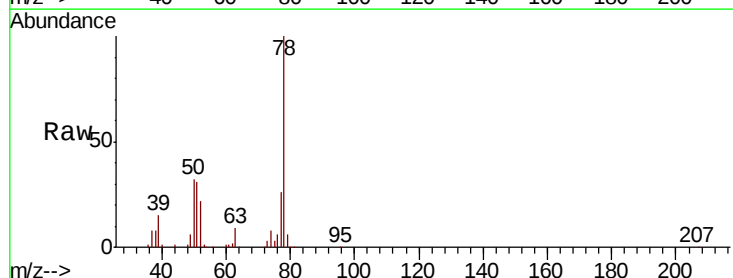
Manual Integrations
APPROVED

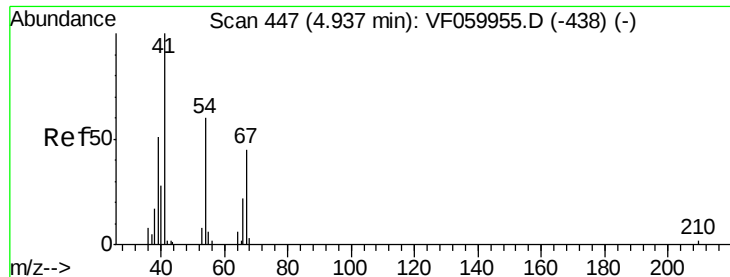
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#40
Benzene
Concen: 48.62 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.4	21.1	31.7





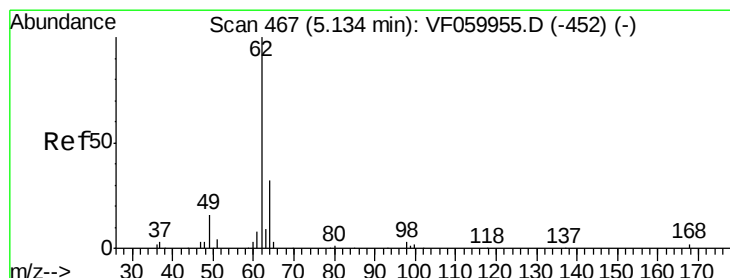
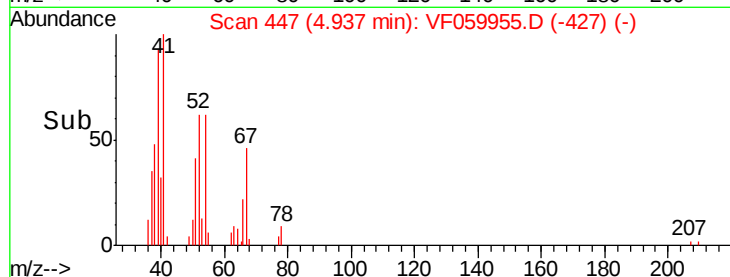
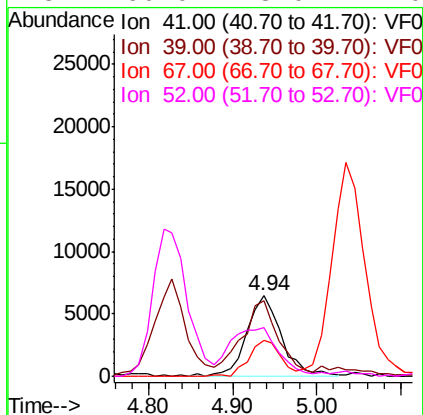
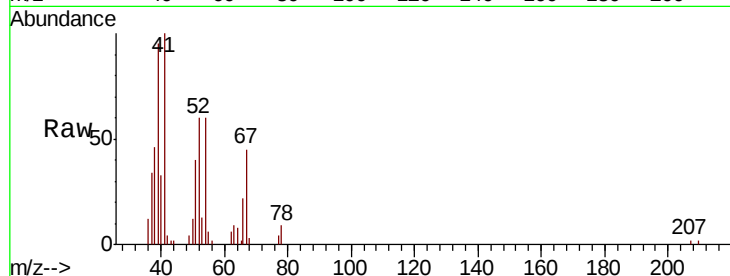
#41
Methacrylonitrile
Concen: 45.59 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		18798		
39	94.6	75.7	113.5		
67	45.1	36.1	54.1		
52	60.0	48.0	72.0		

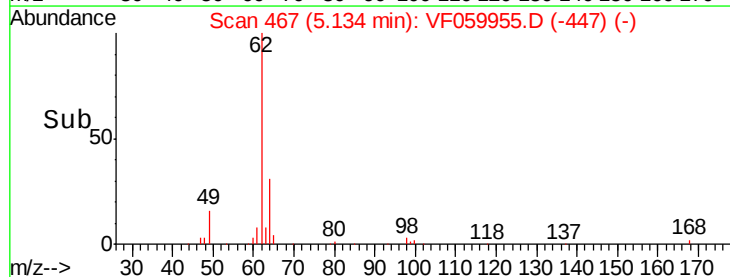
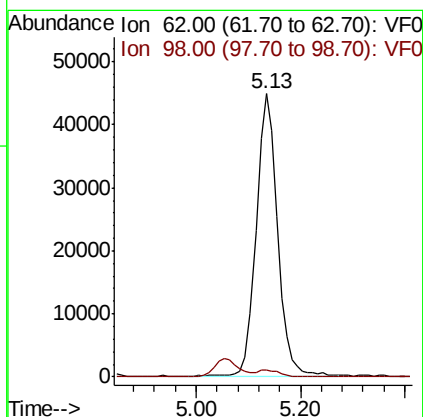
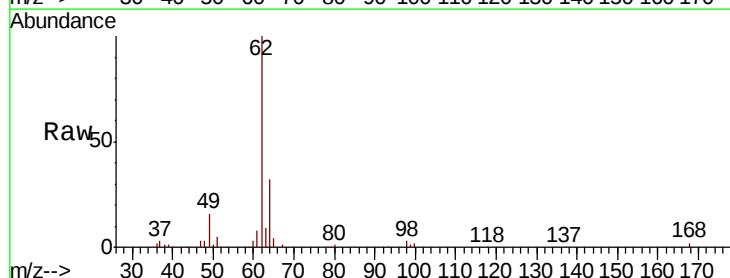
Manual Integrations
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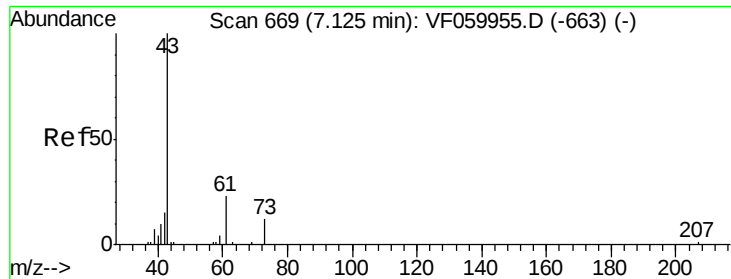
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#42
1,2-Dichloroethane
Concen: 49.39 ug/l
RT: 5.13 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		126471		
98	2.5	0.0	5.0		





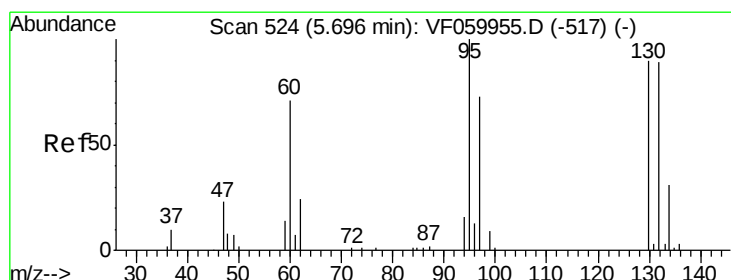
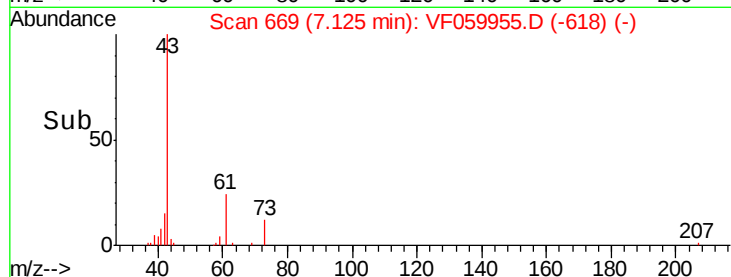
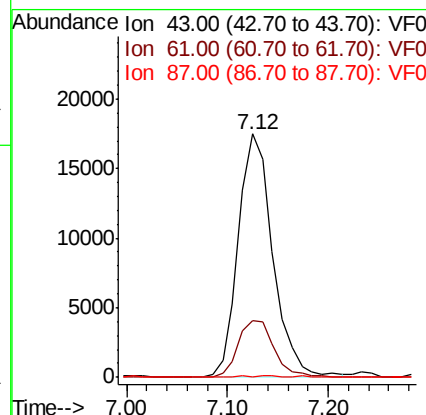
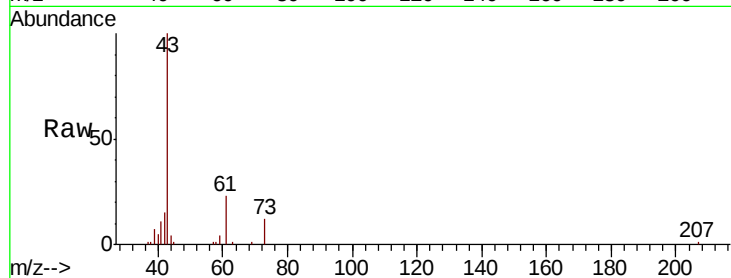
#43
Isopropyl Acetate
Concen: 50.28 ug/l
RT: 7.12 min Scan# 669
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.2	18.6	27.8
87	0.0	0.0	0.0

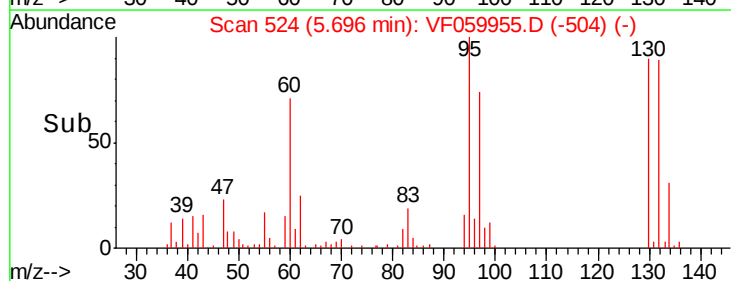
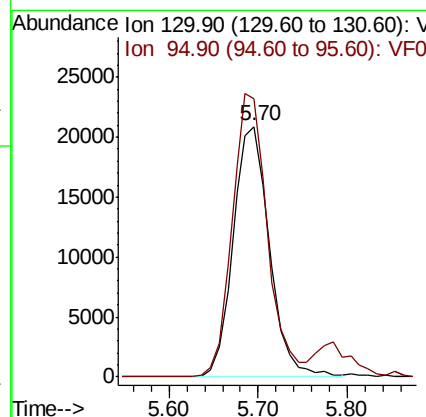
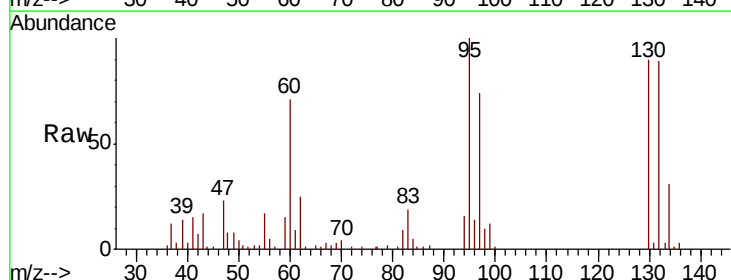
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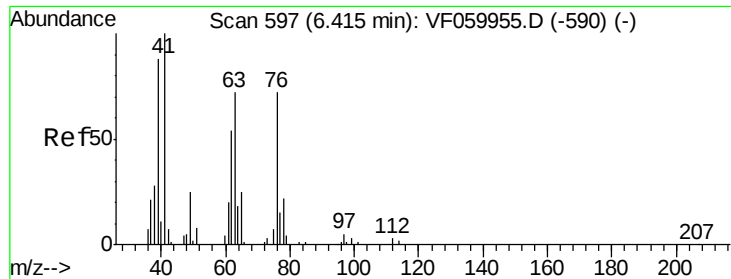
apatel
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#44
Trichloroethene
Concen: 48.50 ug/l
RT: 5.70 min Scan# 524
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.0	0.0	222.0





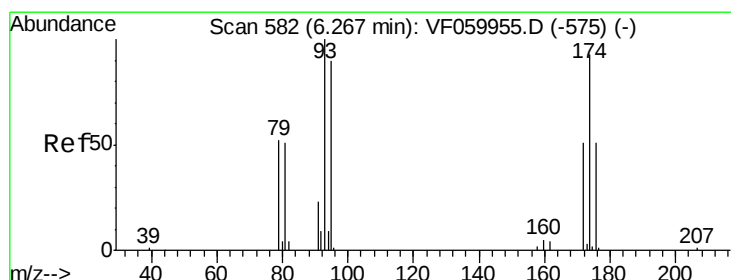
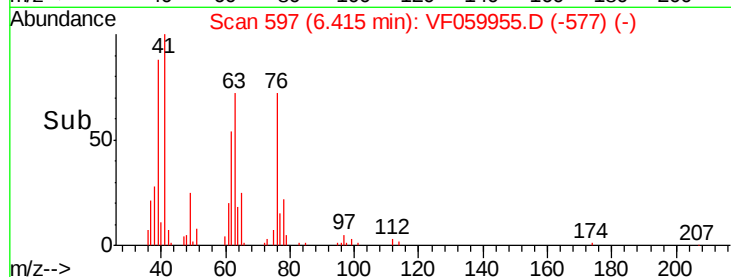
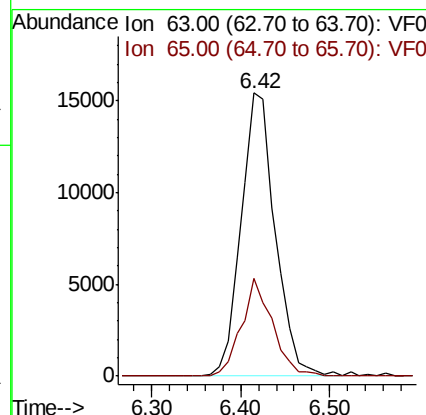
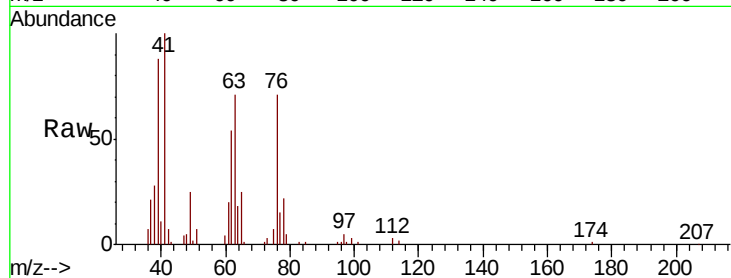
#45
 1,2-Dichloropropane
 Concen: 48.60 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	63	Resp	40999
Ion Ratio	Lower	Upper	
63	100		
65	34.7	27.8	41.6

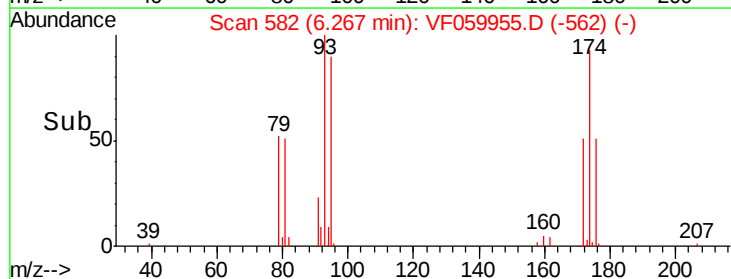
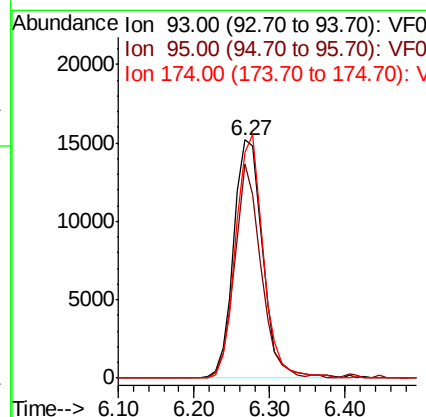
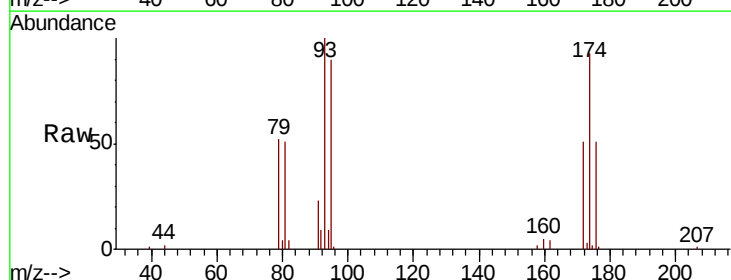
Manual Integrations
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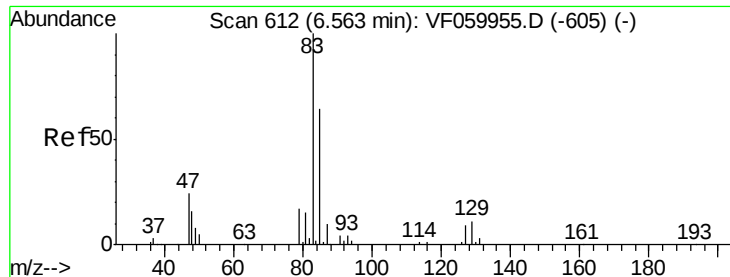
apatel
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#46
 Dibromomethane
 Concen: 47.17 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion	93	Resp	40350
Ion Ratio	Lower	Upper	
93	100		
95	90.5	72.4	108.6
174	94.9	75.9	113.9





#47

Bromodichloromethane

Concen: 49.44 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

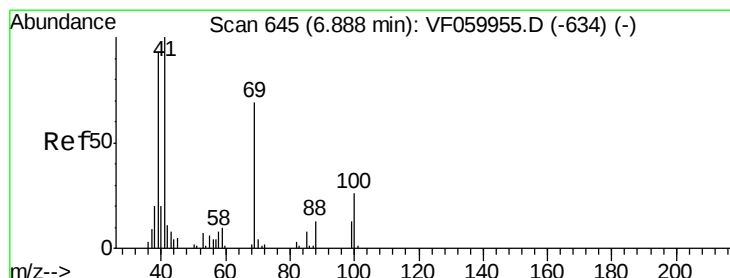
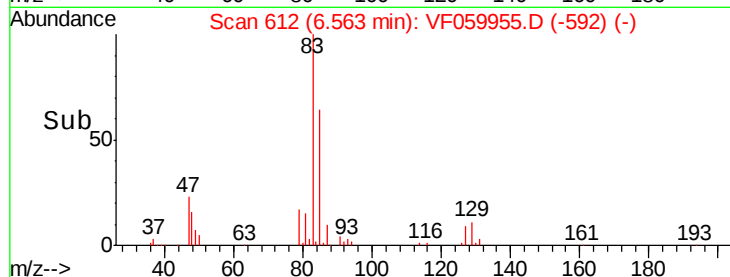
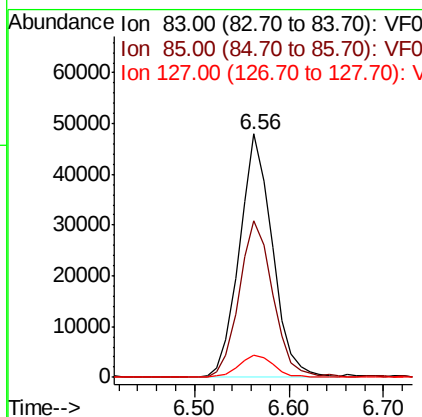
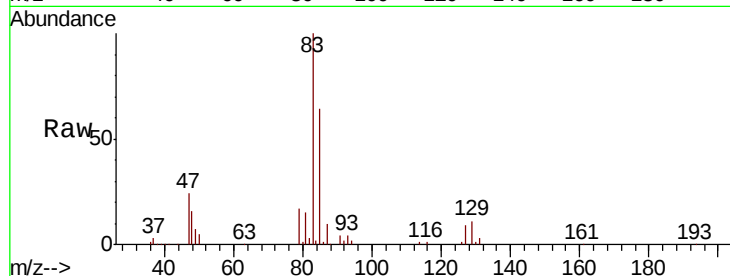
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	115844
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	9.4	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.81 ug/l

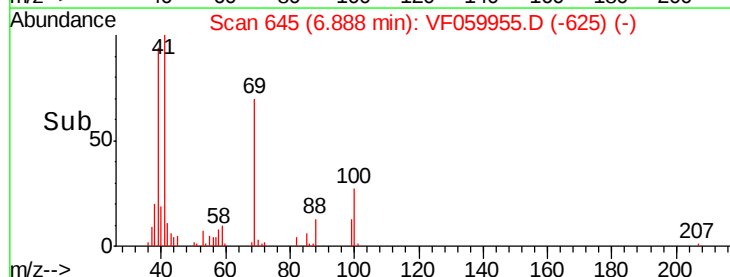
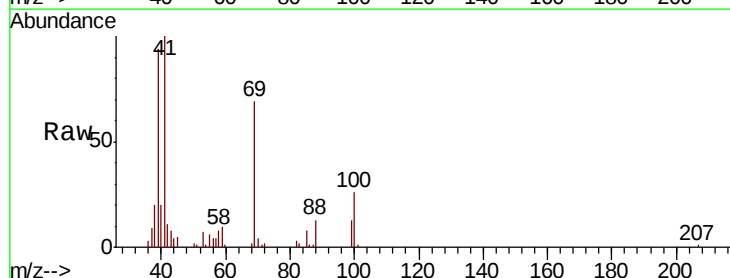
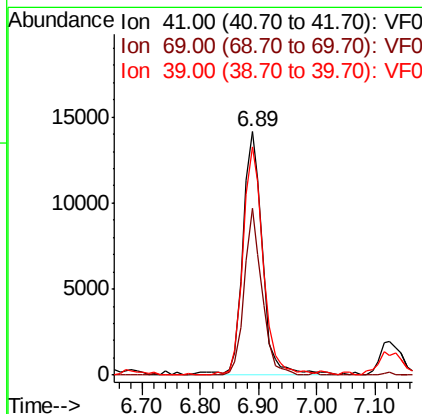
RT: 6.89 min Scan# 645

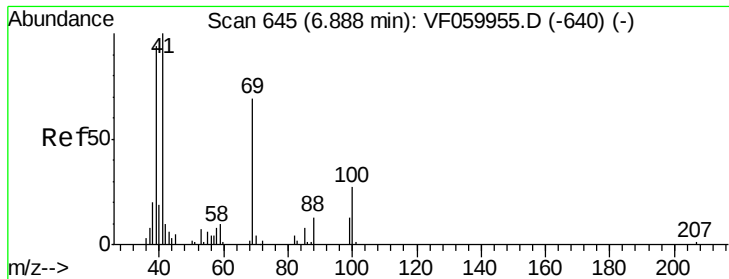
Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Tgt Ion:	41	Resp:	33175
Ion	Ratio	Lower	Upper
41	100		
69	68.5	54.8	82.2
39	93.9	75.1	112.7





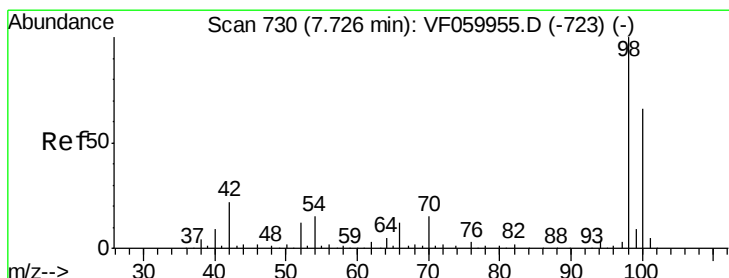
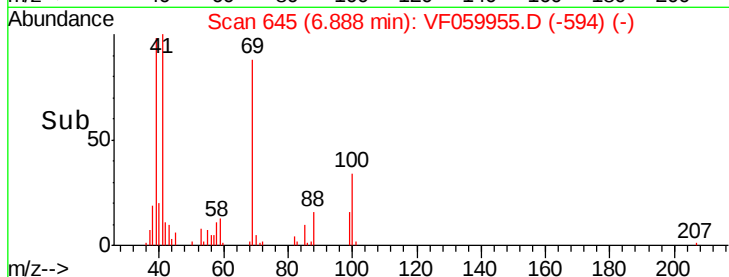
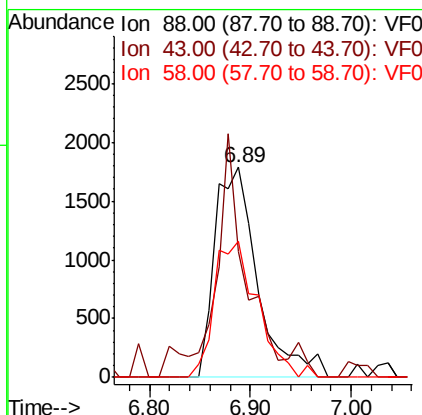
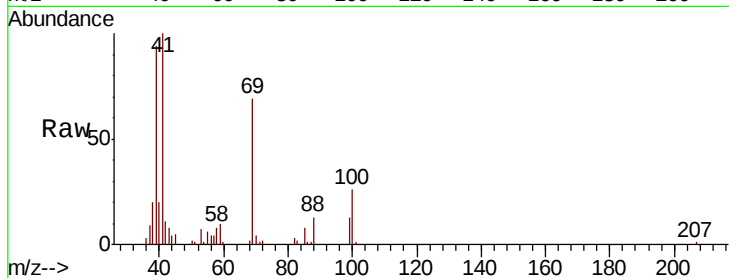
#49
1,4-Dioxane
Concen: 1099.71 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	59.9	47.9	71.9
58	65.0	52.0	78.0

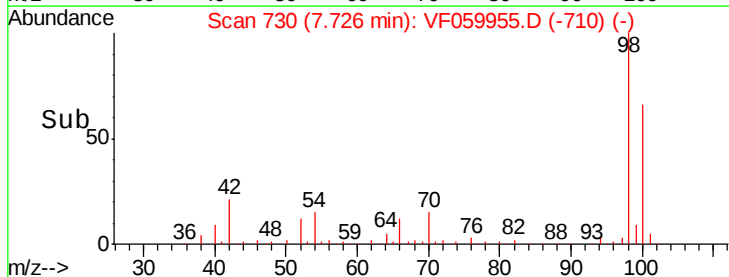
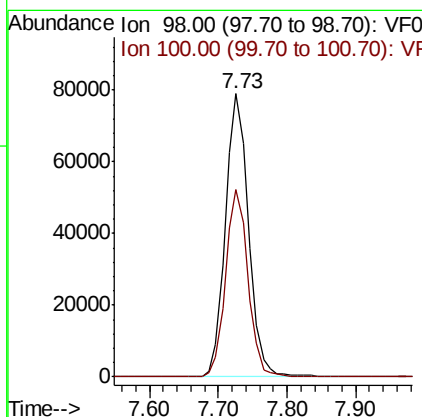
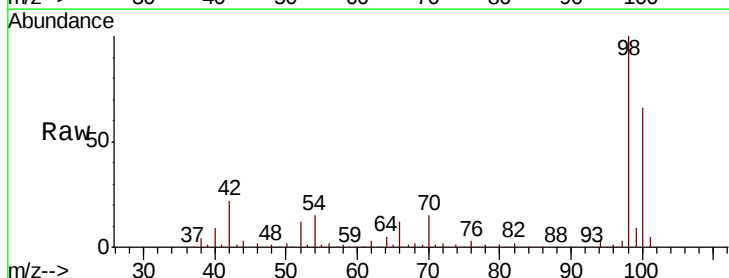
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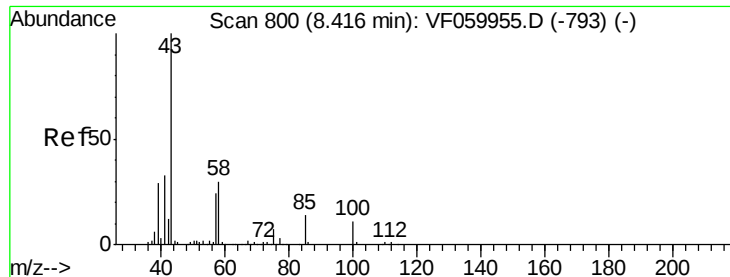
apatel
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#50
Toluene-d8
Concen: 53.58 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 254.30 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 214276

Ion Ratio Lower Upper

43 100

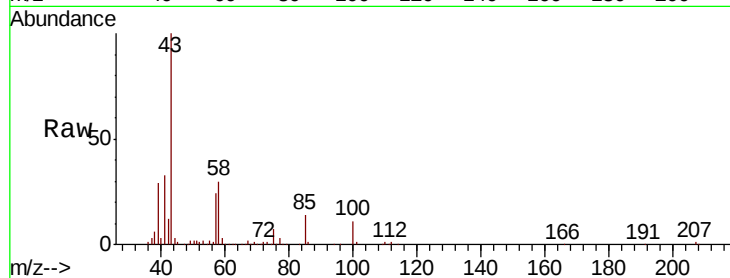
58 30.3 24.2 36.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

100000

80000

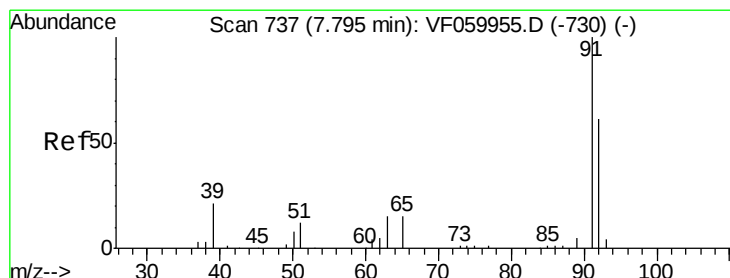
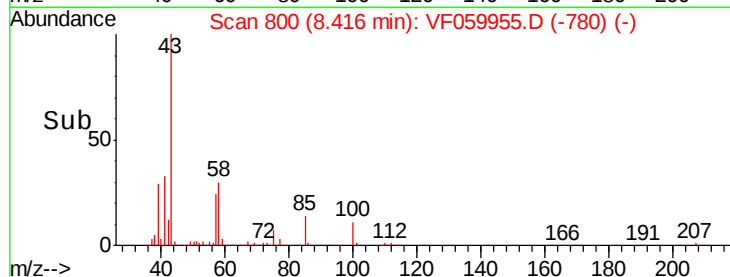
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 48.87 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059955.D

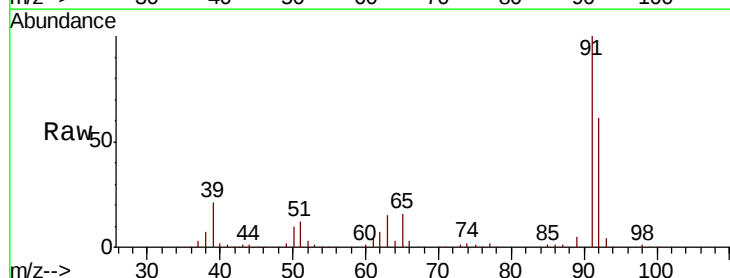
Acq: 14 Aug 2018 20:05

Tgt Ion: 92 Resp: 113973

Ion Ratio Lower Upper

92 100

91 164.0 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.80

100000

80000

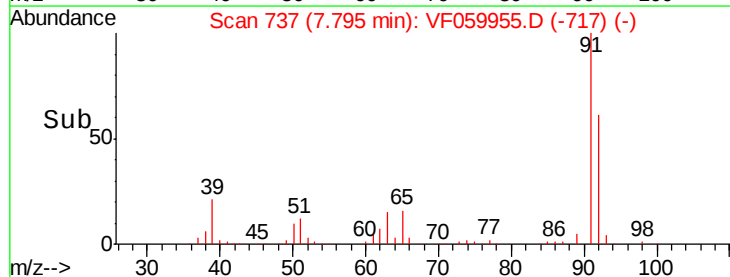
60000

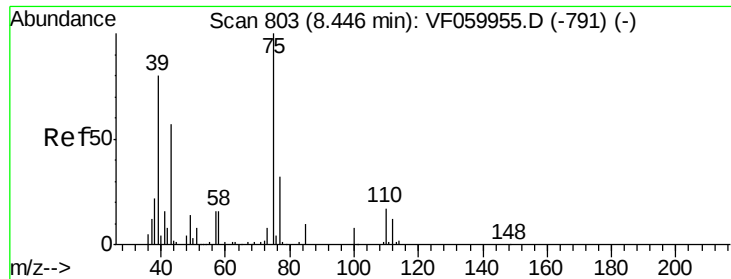
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.45 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Tot Ion: 75 Resp: 95155

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

Instrument :

MSVOA_F

ClientSampleId :

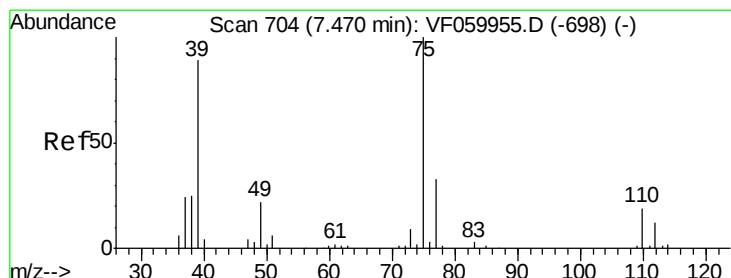
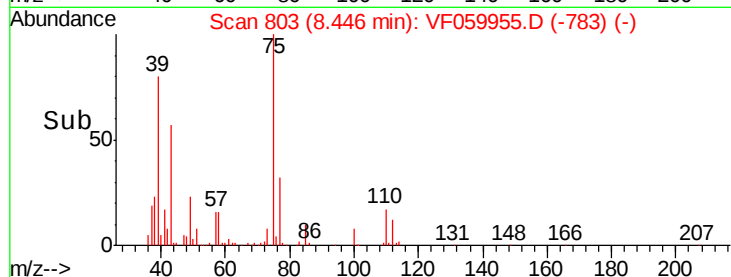
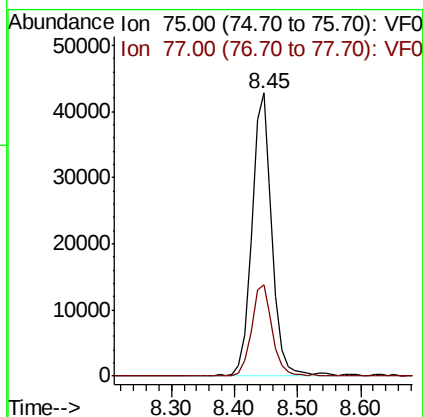
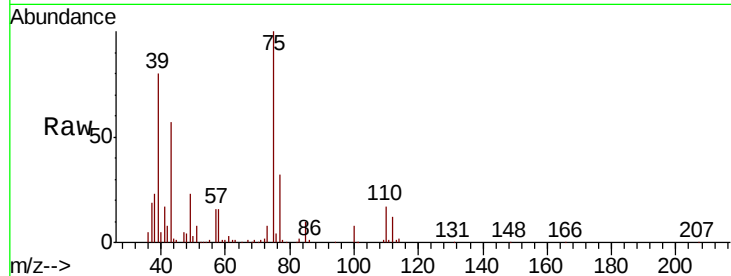
VSTDICCC050

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#54

cis-1,3-Dichloropropene

Concen: 52.86 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

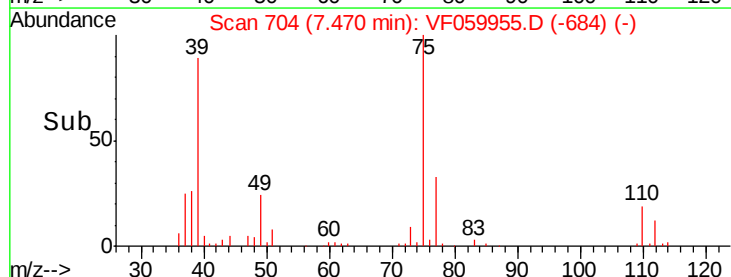
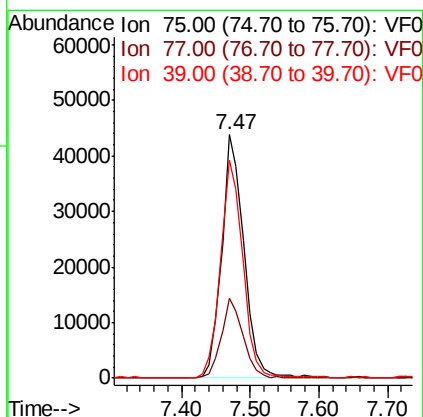
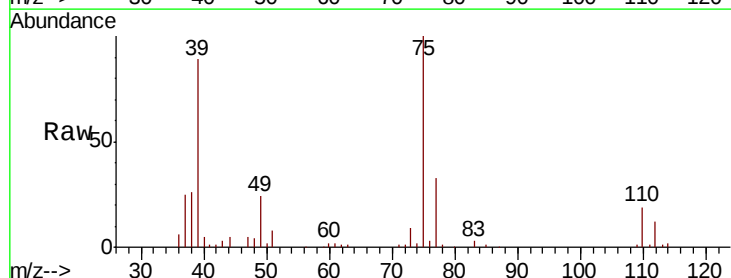
Tgt Ion: 75 Resp: 98014

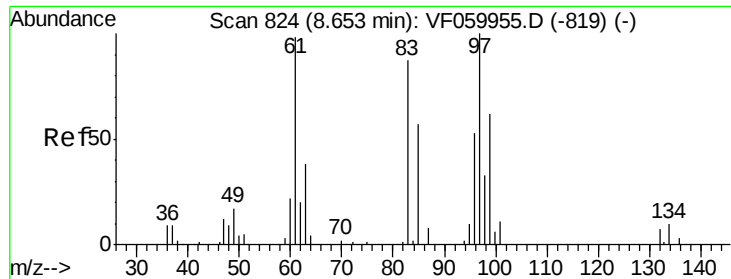
Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1

39 89.5 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 46.75 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 39209

Ion Ratio Lower Upper

97 100

83 87.5 70.0 105.0

85 56.5 45.2 67.8

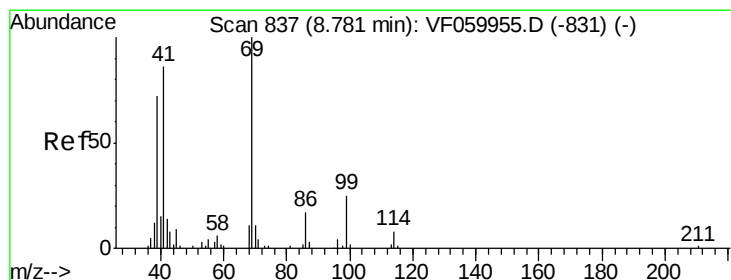
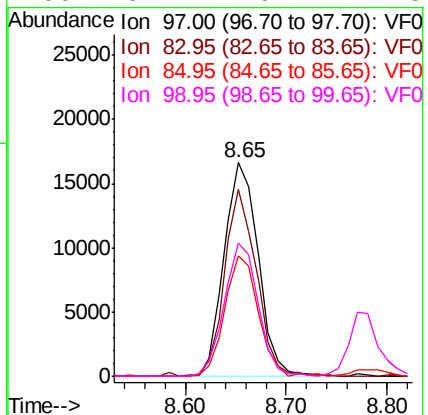
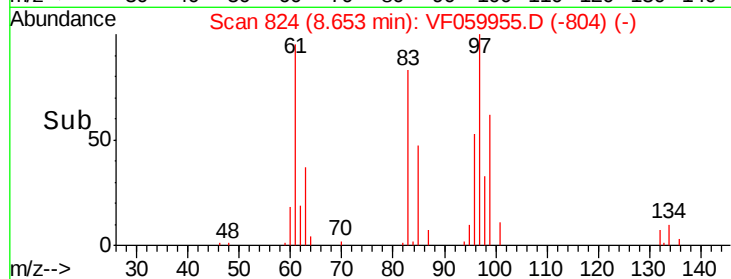
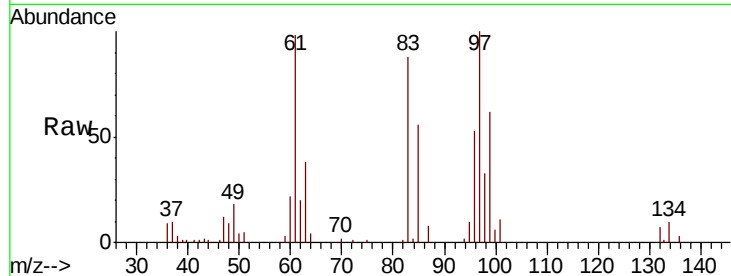
99 62.1 49.7 74.5

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#56

Ethyl methacrylate

Concen: 47.57 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

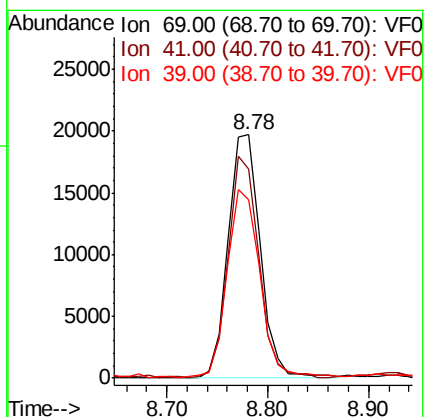
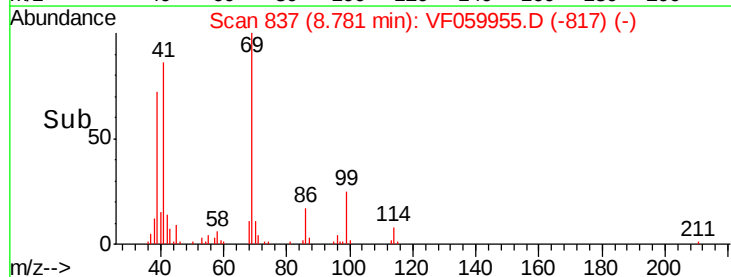
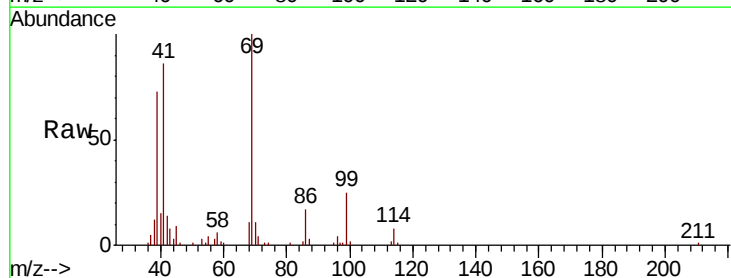
Tgt Ion: 69 Resp: 43904

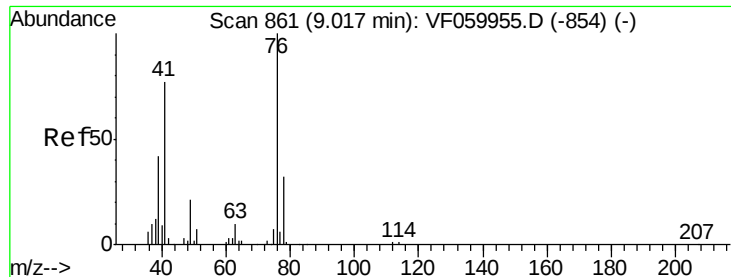
Ion Ratio Lower Upper

69 100

41 85.9 68.7 103.1

39 73.1 58.5 87.7





#57

1,3-Dichloropropane

Concen: 51.94 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 75632

Ion Ratio Lower Upper

76 100

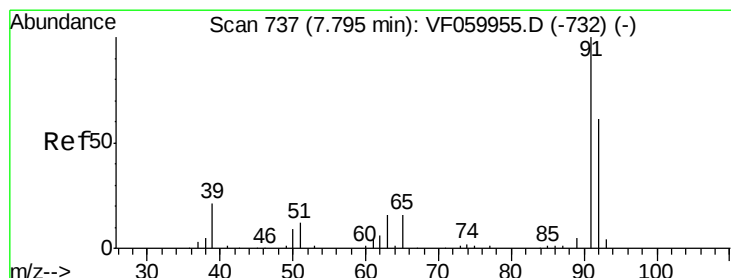
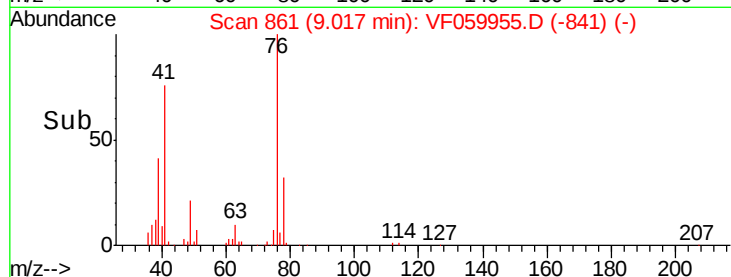
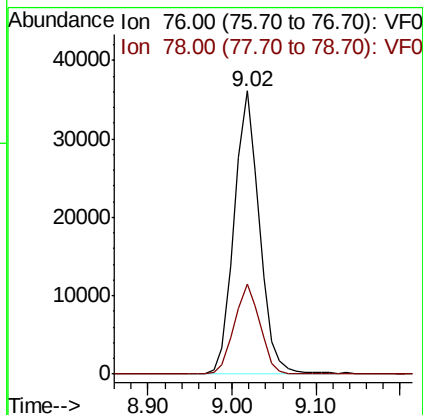
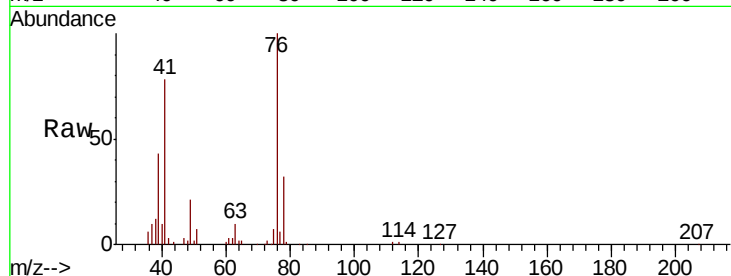
78 31.9 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 261.13 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059955.D

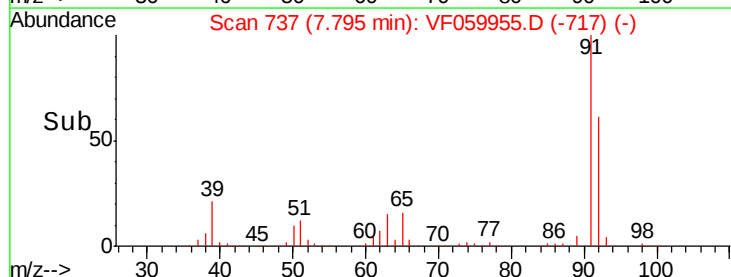
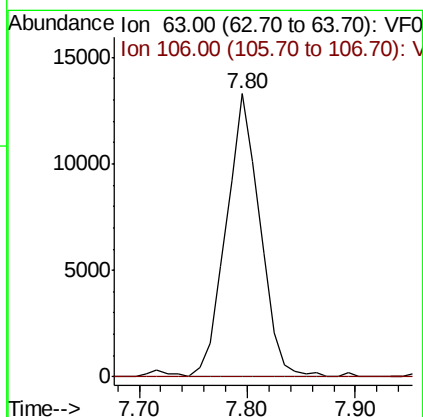
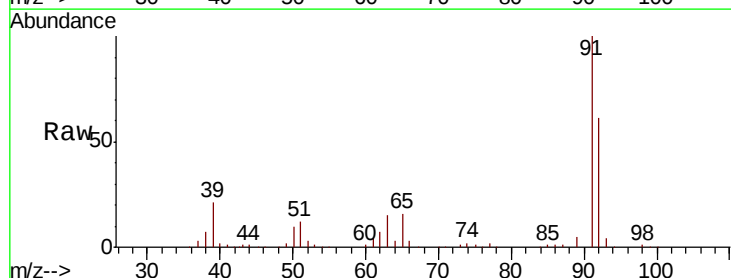
Acq: 14 Aug 2018 20:05

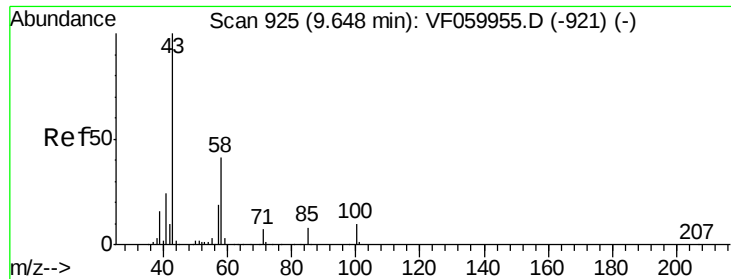
Tgt Ion: 63 Resp: 28972

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





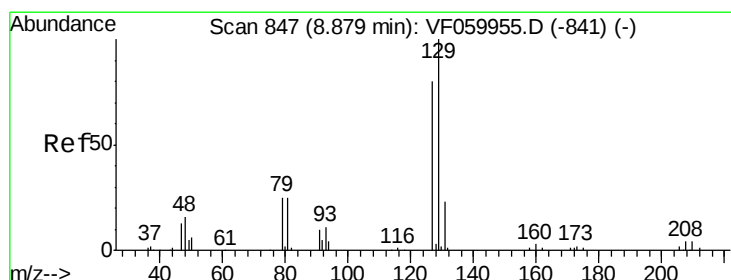
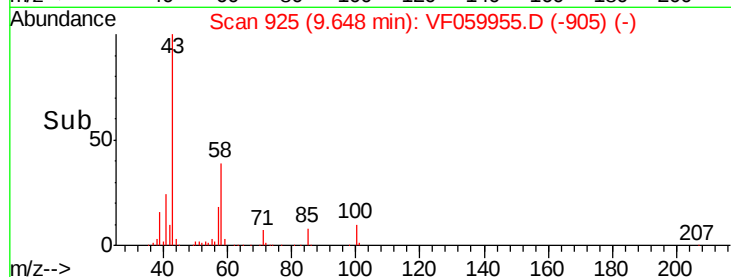
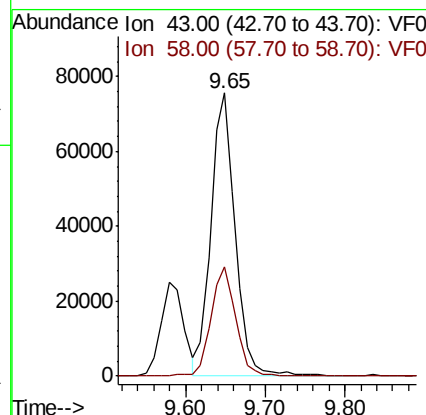
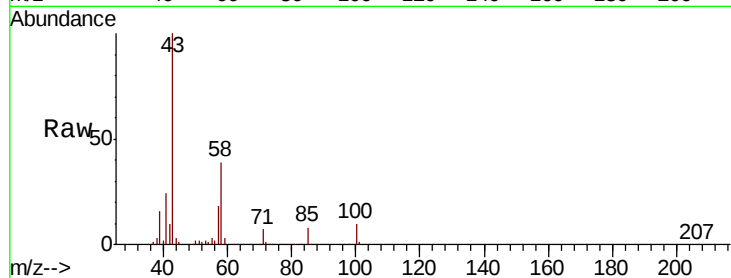
#59
2-Hexanone
Concen: 265.84 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	159179
Ion Ratio	100	Lower	Upper
43	100		
58	38.8	19.4	58.2

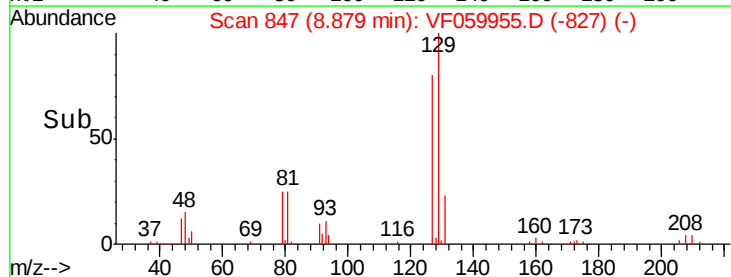
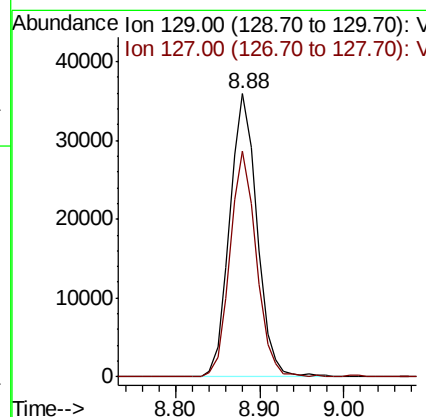
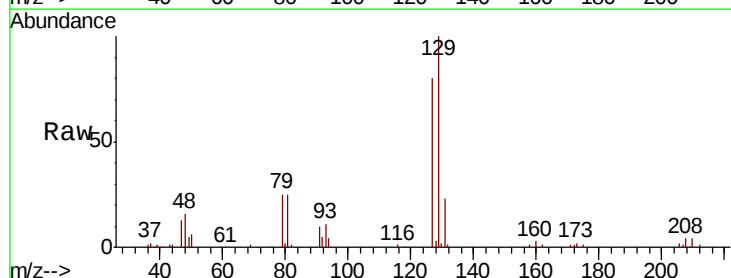
Manual Integrations
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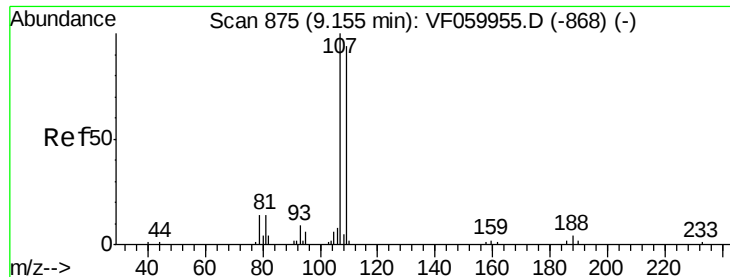
apatel
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#60
Dibromochloromethane
Concen: 51.32 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	129	Resp	81144
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	100		
127	79.9	40.0	119.9





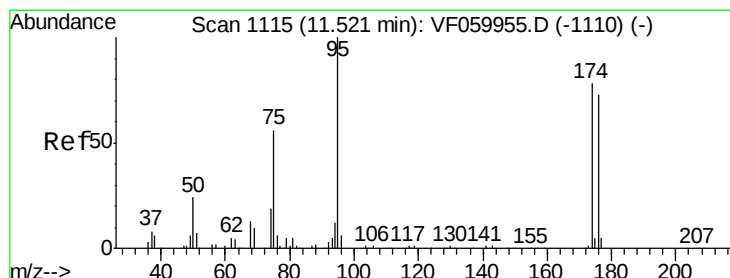
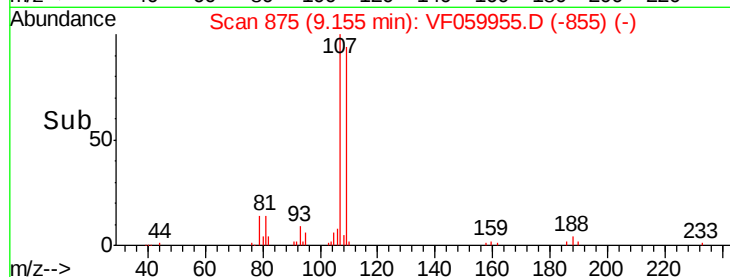
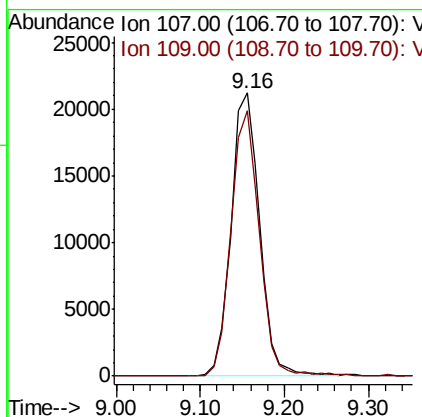
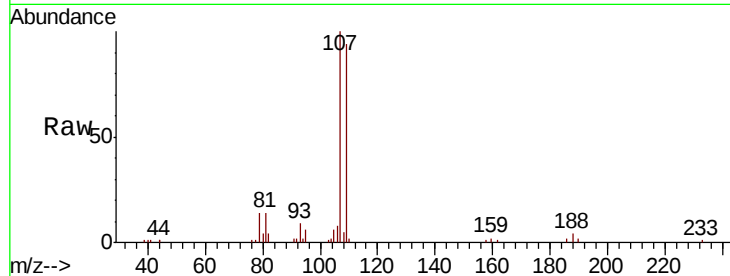
#61
 1,2-Dibromoethane
 Concen: 48.83 ug/l
 RT: 9.16 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

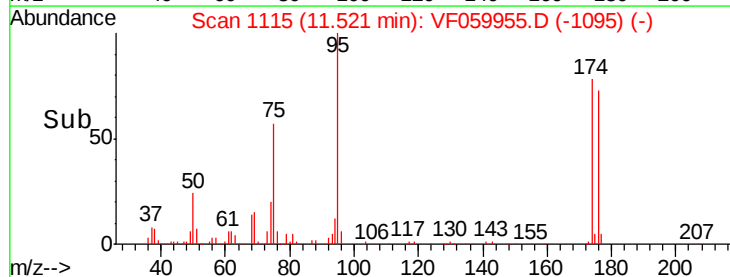
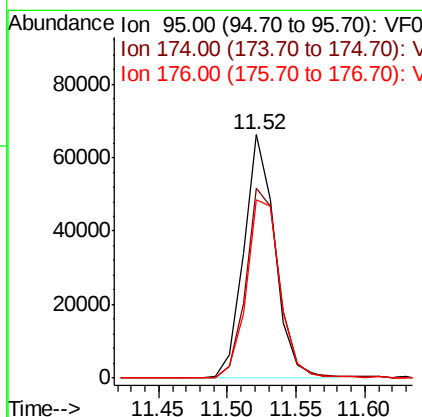
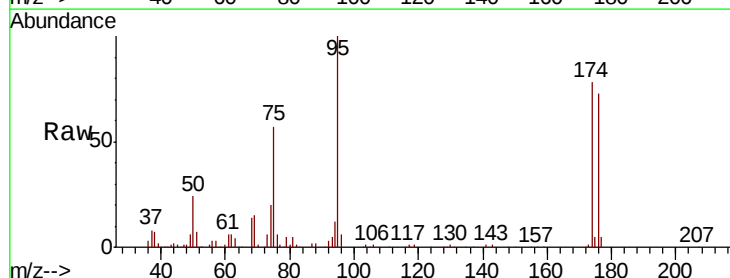
Manual Integrations
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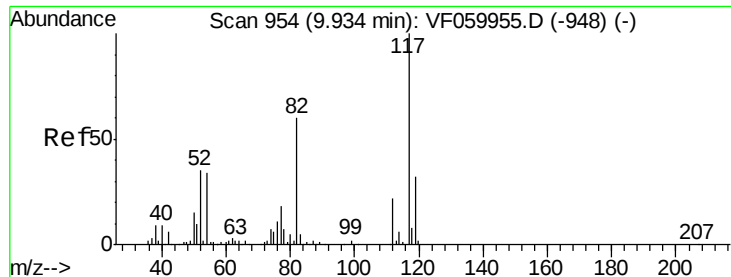
apatel
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#62
 4-Bromofluorobenzene
 Concen: 54.08 ug/l
 RT: 11.52 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	156.4
176	73.4	0.0	146.8





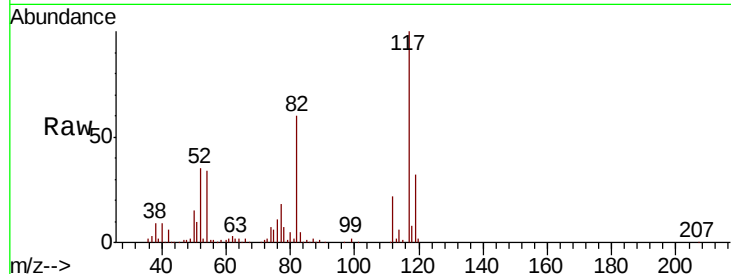
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.4	48.3	72.5
119	32.1	25.7	38.5

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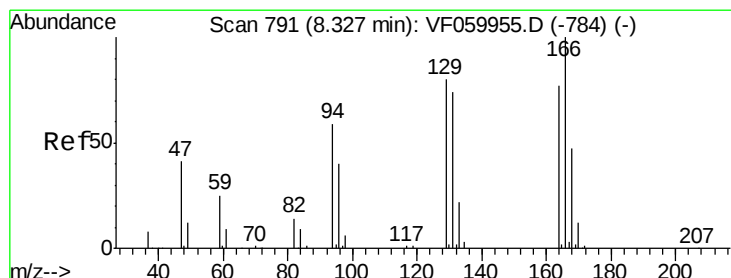
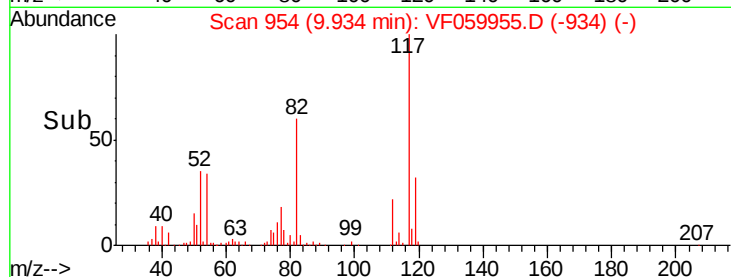
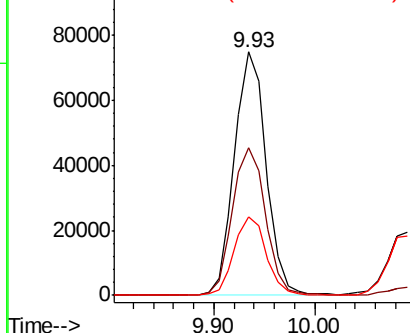


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 44.48 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.4	155.2
129	102.8	82.2	123.4
131	95.9	76.7	115.1

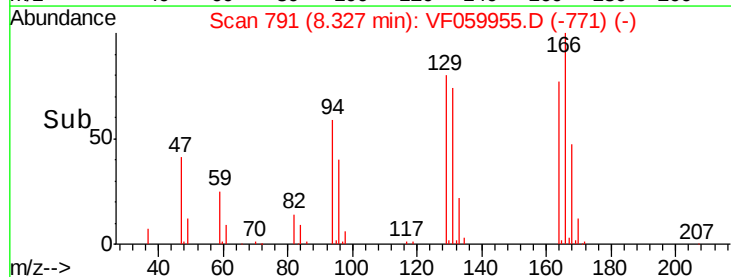
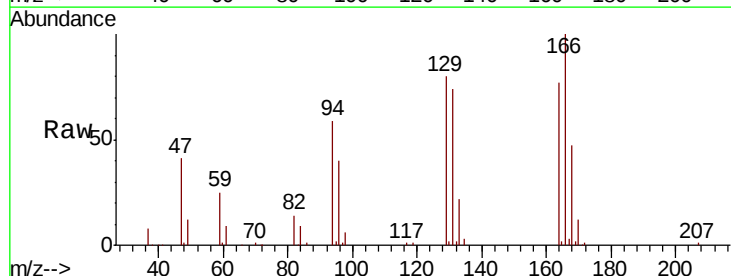
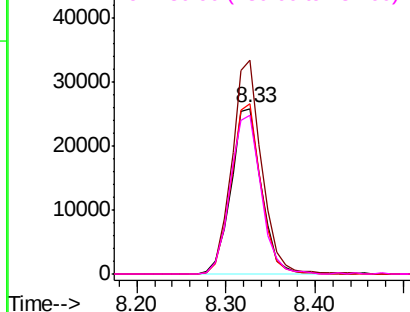
Abundance

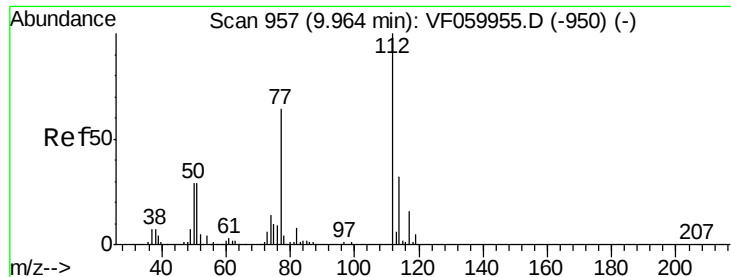
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





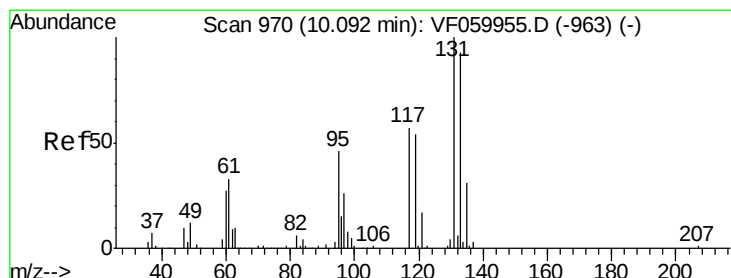
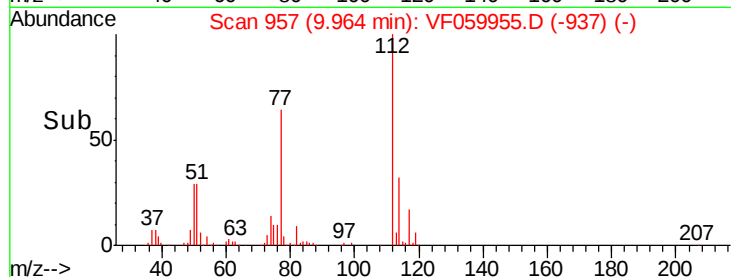
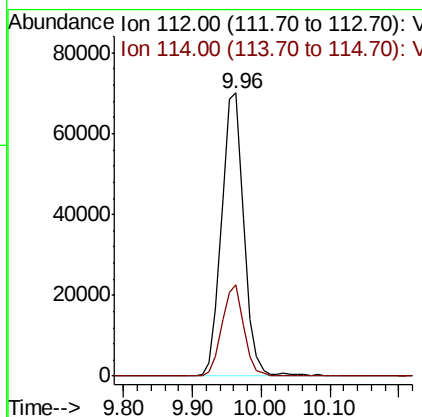
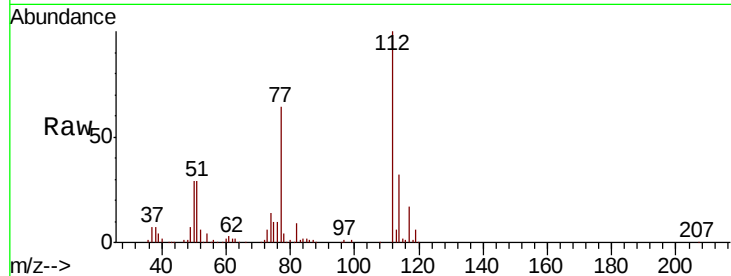
#65
Chlorobenzene
Concen: 47.86 ug/l
RT: 9.96 min Scan# 957
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

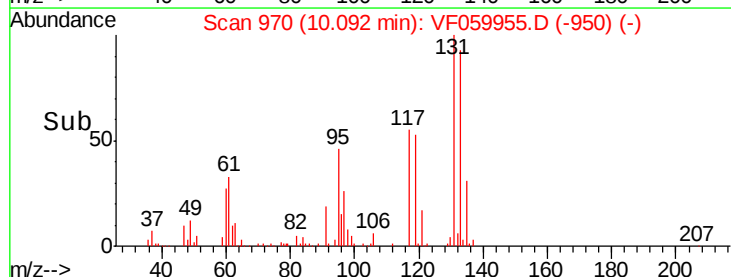
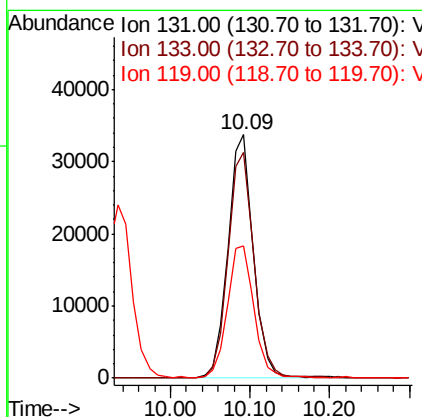
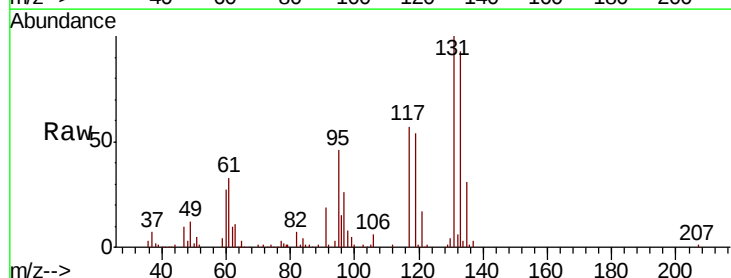
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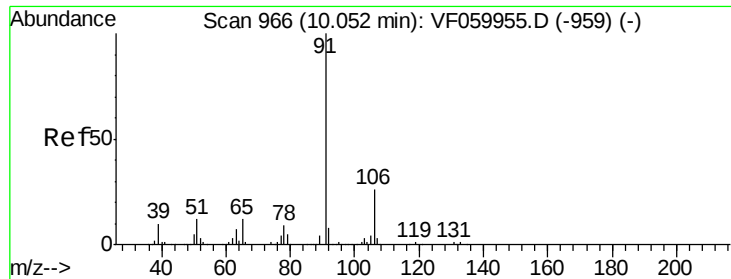
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.29 ug/l
RT: 10.09 min Scan# 970
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.7	46.4	139.1
119	54.3	27.2	81.5





#67

Ethyl Benzene

Concen: 48.67 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 277886

Ion Ratio Lower Upper

91 100

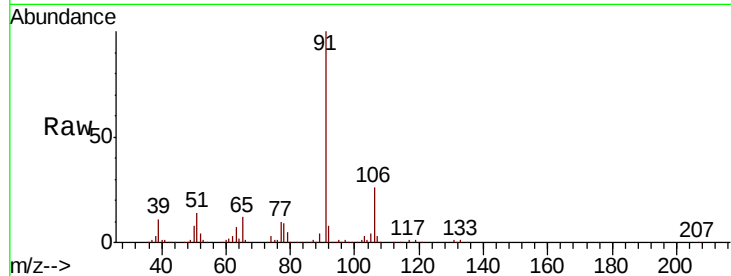
106 25.9 20.7 31.1

Manual Integrations

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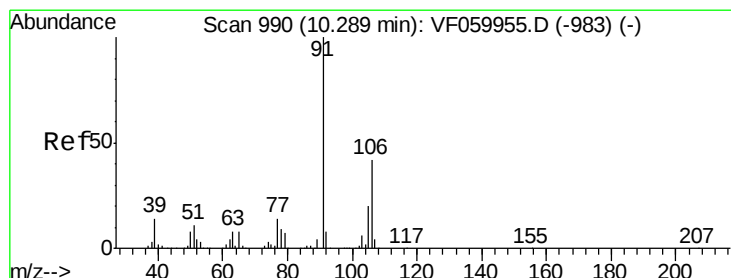
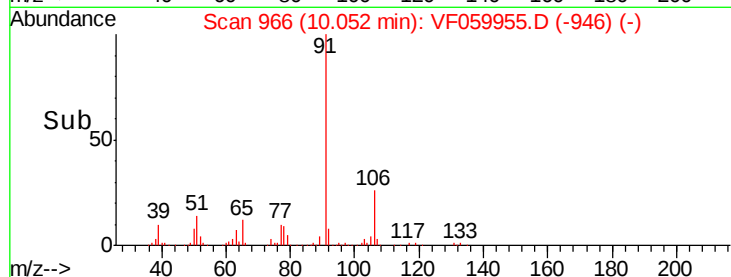
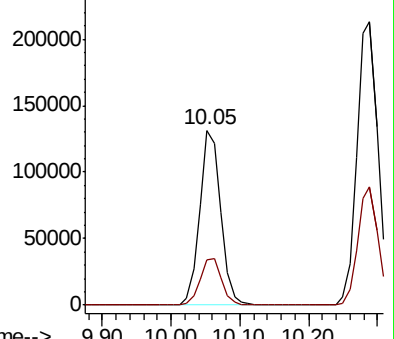
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 93.51 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.00 min

Lab File: VF059955.D

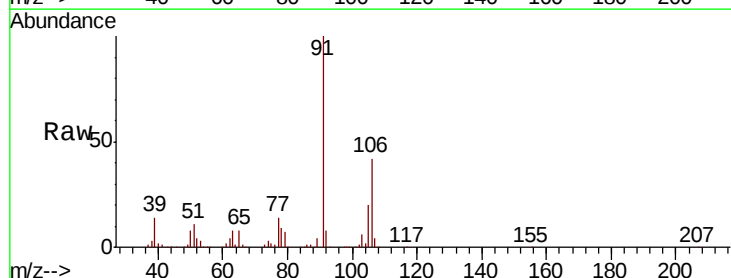
Acq: 14 Aug 2018 20:05

Tgt Ion:106 Resp: 184640

Ion Ratio Lower Upper

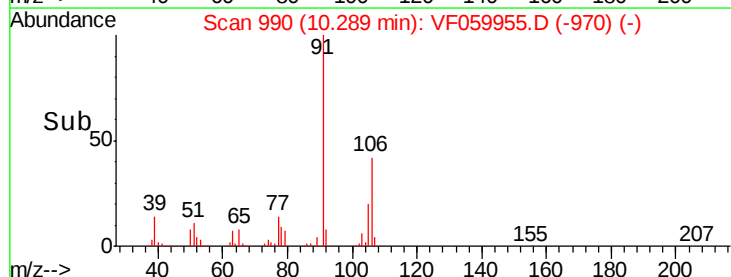
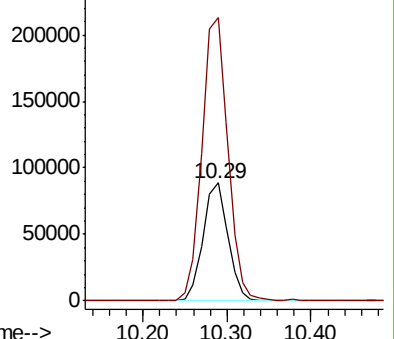
106 100

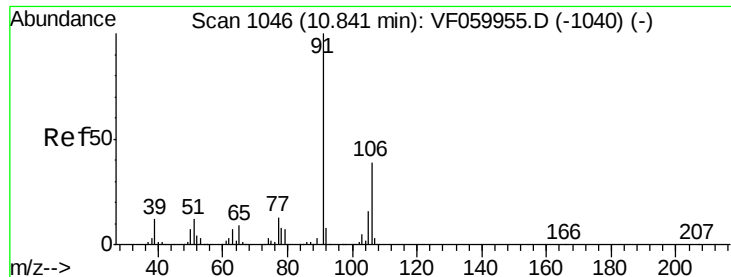
91 239.8 191.8 287.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





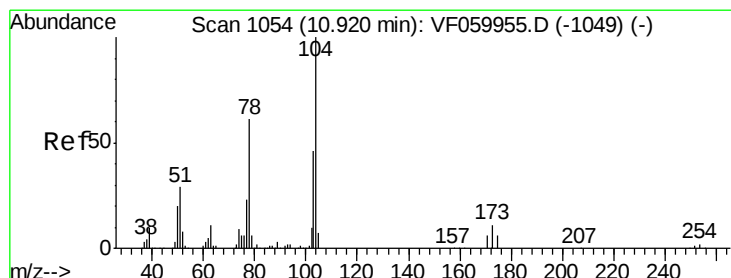
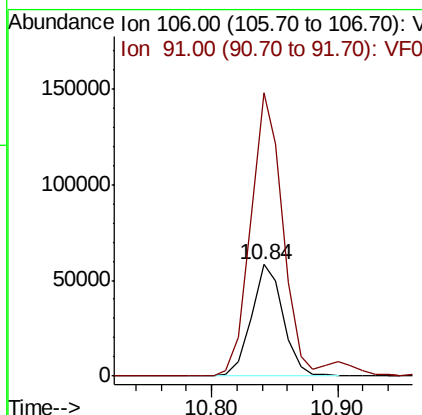
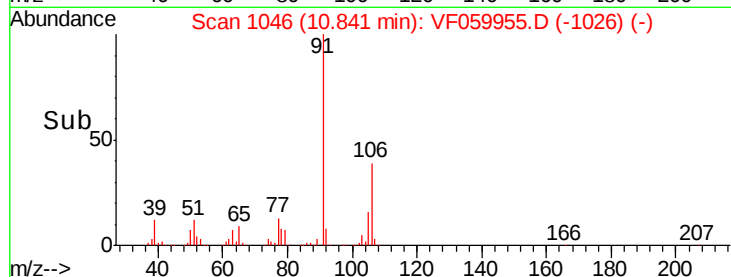
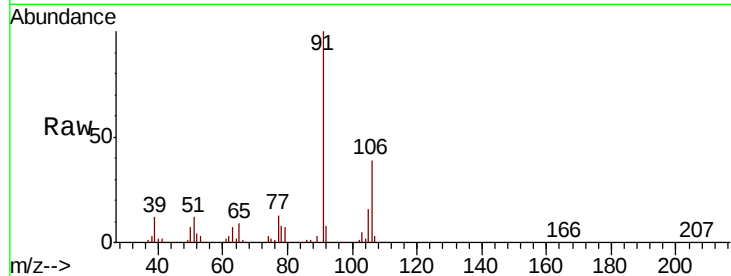
#69
o-Xylene
Concen: 49.39 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	253.7	126.8	380.6

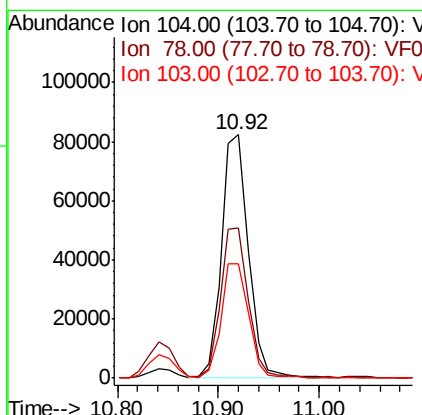
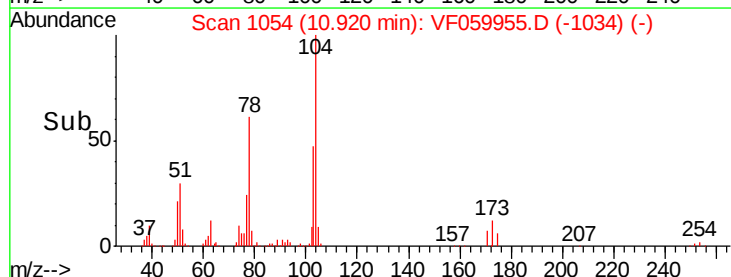
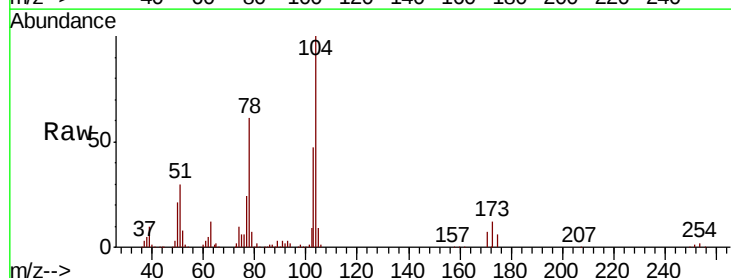
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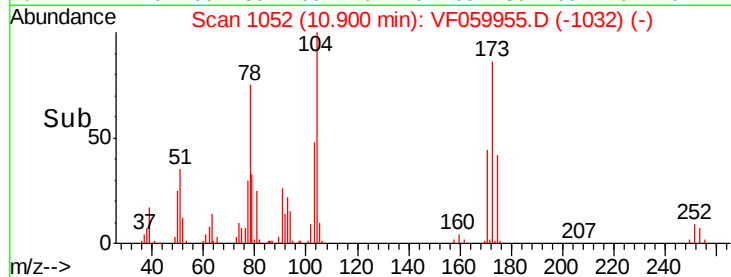
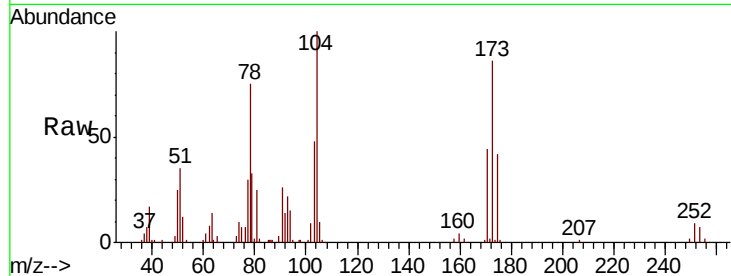
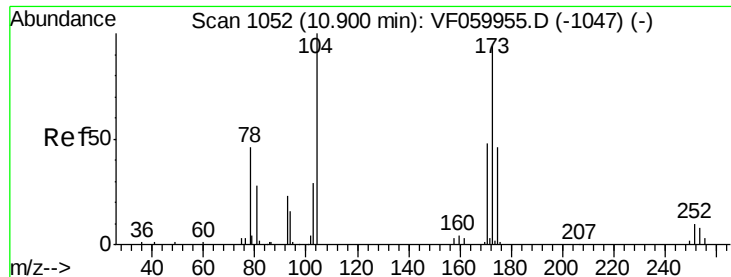
apatel
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#70
Styrene
Concen: 48.72 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	61.5	49.2	73.8
103	46.7	37.4	56.0





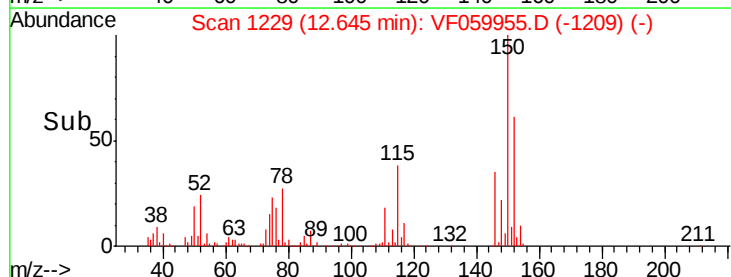
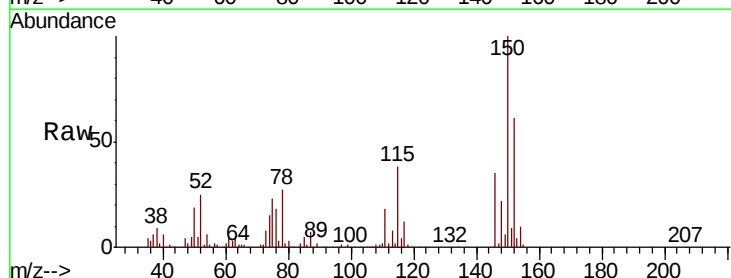
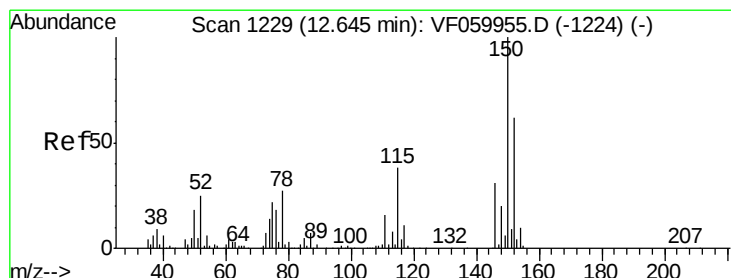
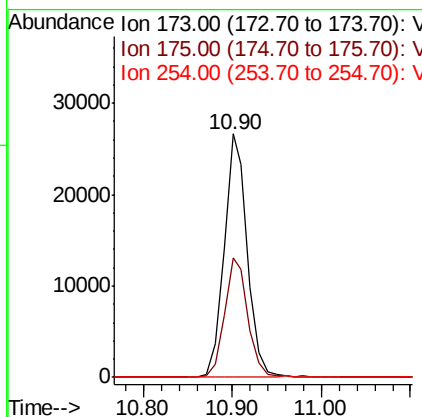
#71
Bromoform
Concen: 48.34 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tot Ion:173 Resp: 48593
Ion Ratio Lower Upper
173 100
175 49.1 24.6 73.6
254 0.0 0.0 0.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

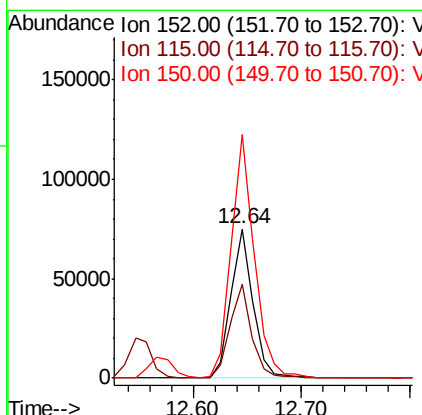
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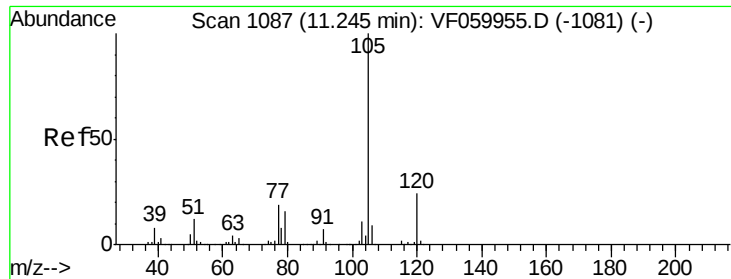
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion:152 Resp: 107600
Ion Ratio Lower Upper
152 100
115 62.7 31.4 94.0
150 163.1 0.0 326.2





#73

Isopropylbenzene

Concen: 52.90 ug/l

RT: 11.25 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 352251

Ion Ratio Lower Upper

105 100

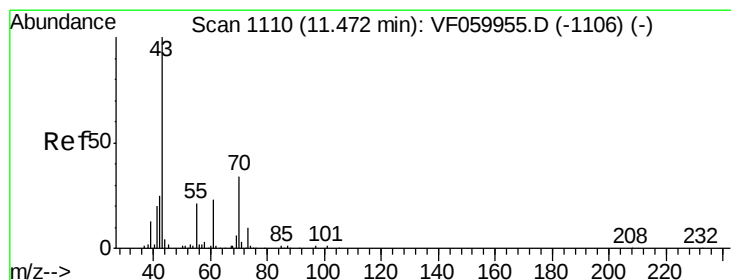
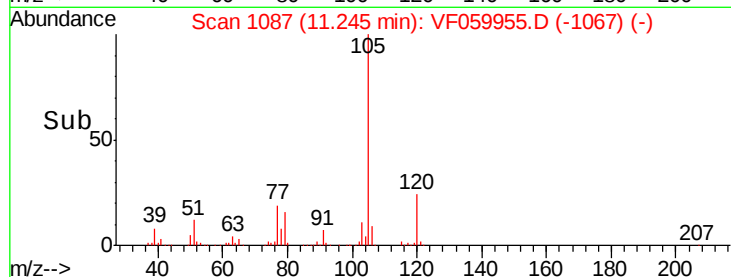
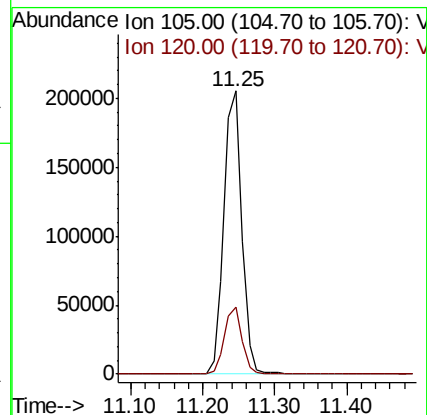
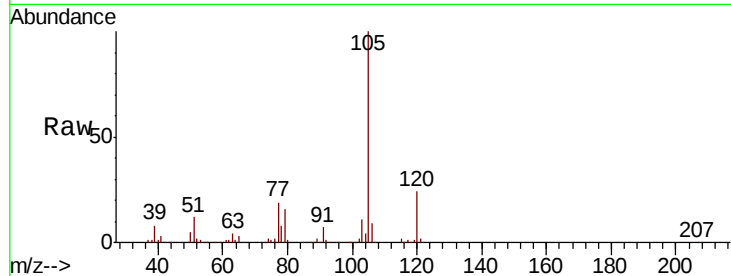
120 23.9 11.9 35.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.98 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Tgt Ion: 43 Resp: 77557

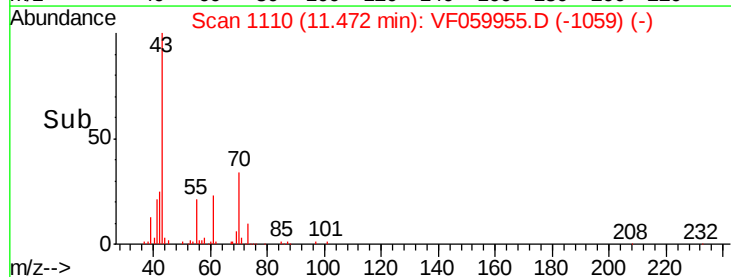
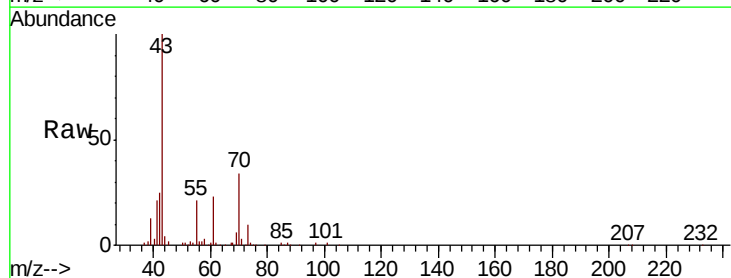
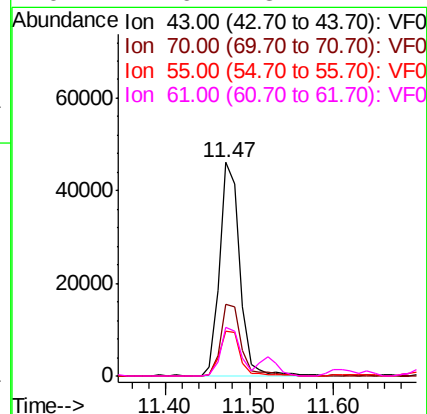
Ion Ratio Lower Upper

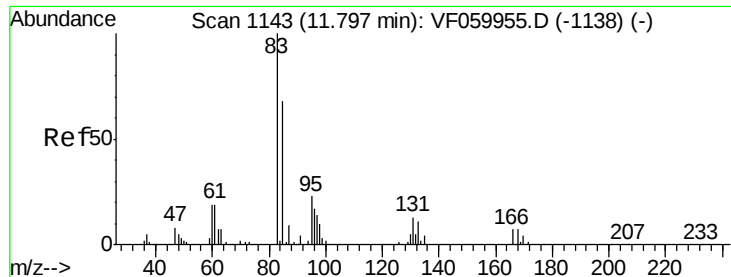
43 100

70 33.6 26.9 40.3

55 21.1 16.9 25.3

61 22.6 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 45.64 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

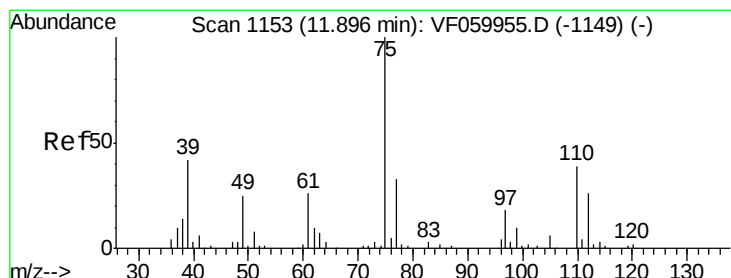
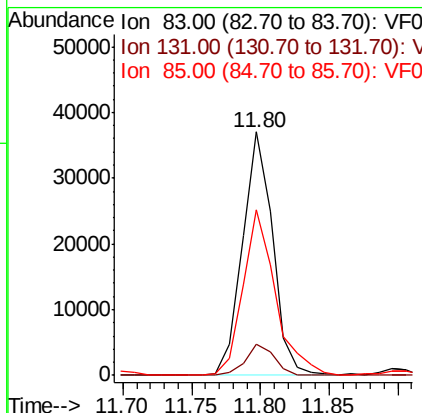
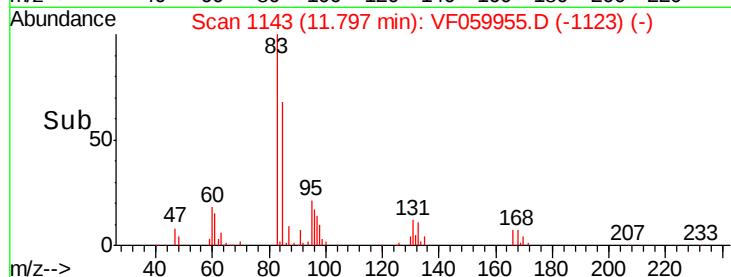
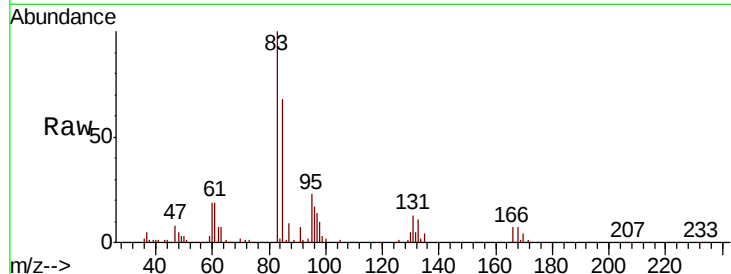
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	56641
Ion Ratio	Lower	Upper	
83	100		
131	12.7	6.3	19.1
85	67.8	33.9	101.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.19 ug/l

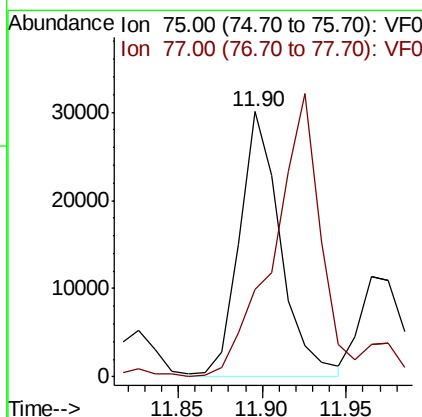
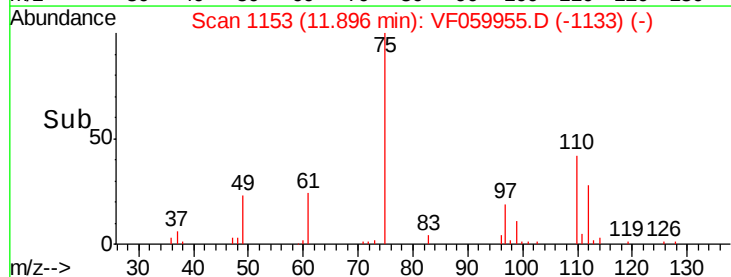
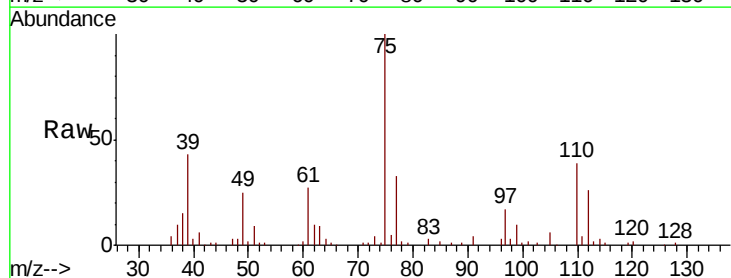
RT: 11.90 min Scan# 1153

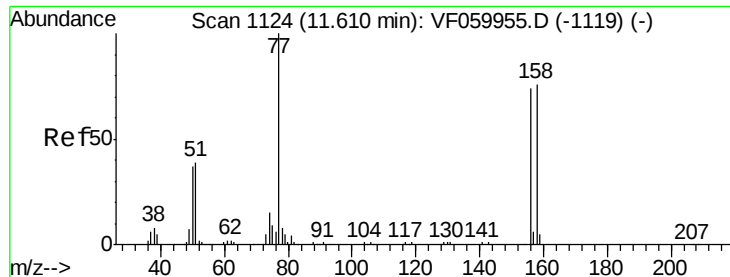
Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Tgt Ion:	75	Resp:	50565
Ion Ratio	Lower	Upper	
75	100		
77	33.1	16.6	49.7





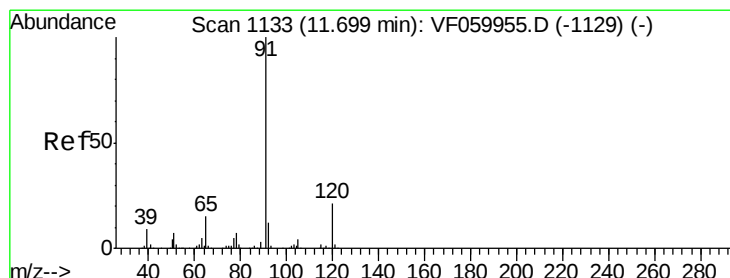
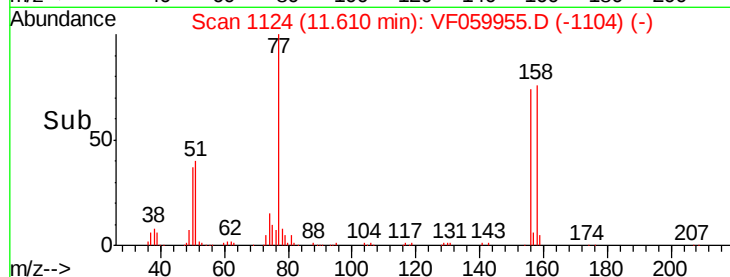
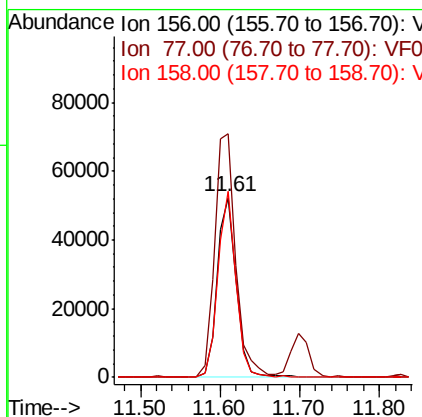
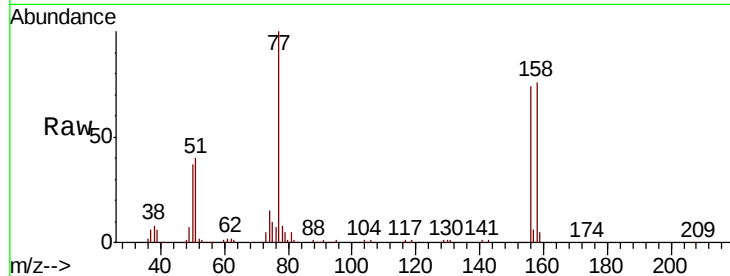
#77
Bromobenzene
Concen: 48.75 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.5	67.8	203.2
158	103.5	51.7	155.2

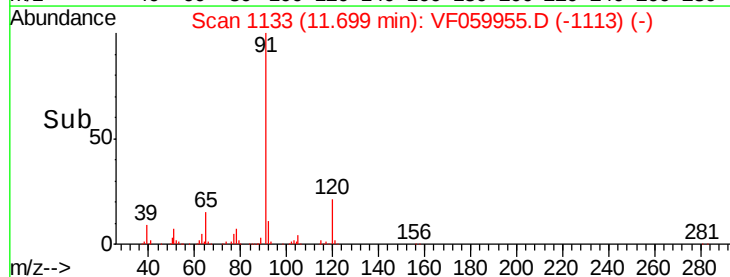
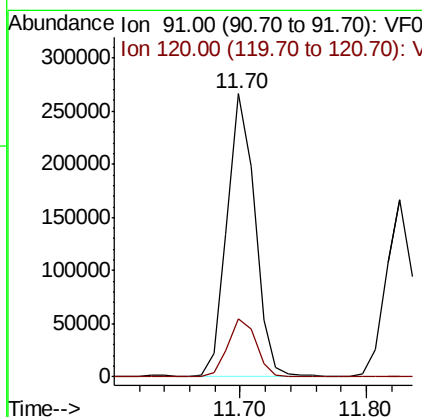
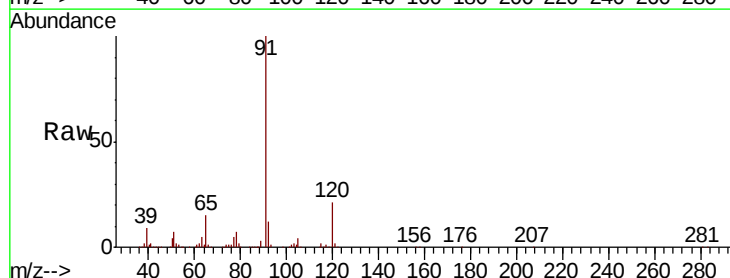
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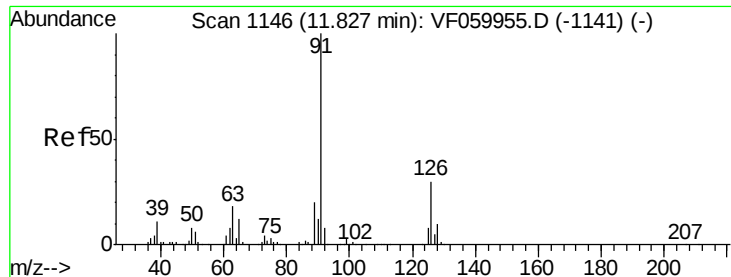
apatel
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#78
n-propylbenzene
Concen: 51.55 ug/l
RT: 11.70 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.4	31.1





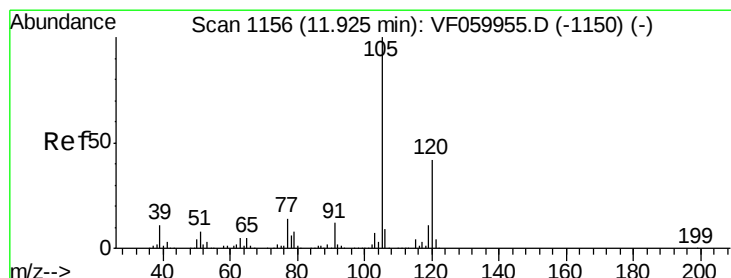
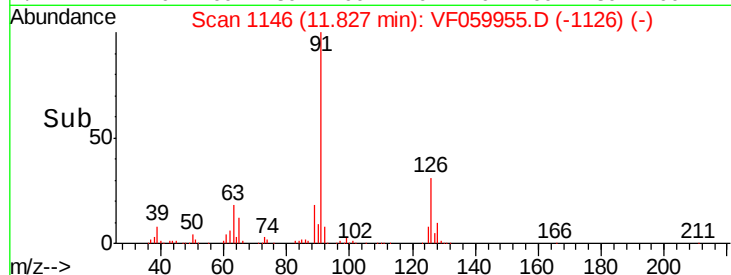
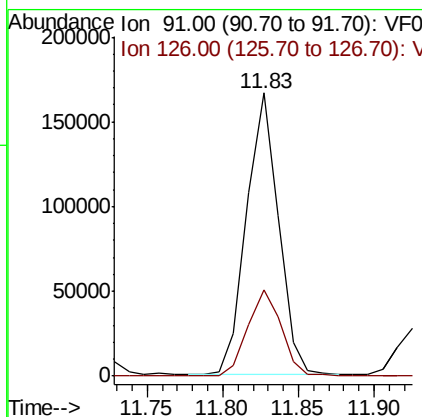
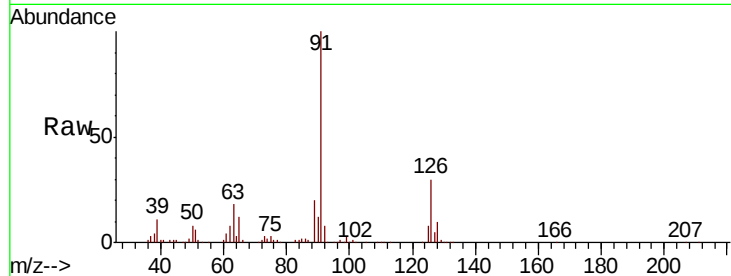
#79
 2-Chlorotoluene
 Concen: 49.71 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.2	45.5

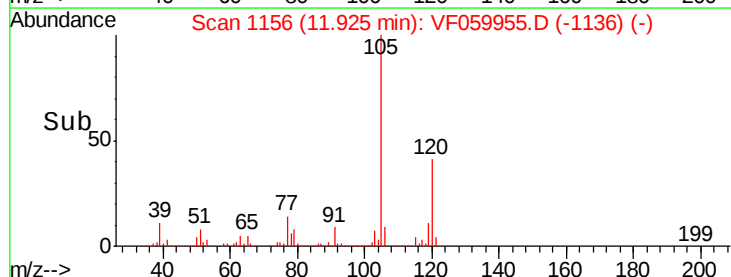
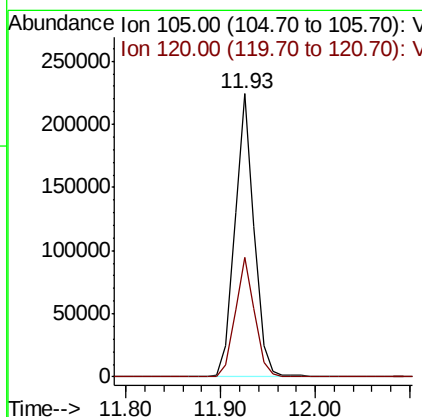
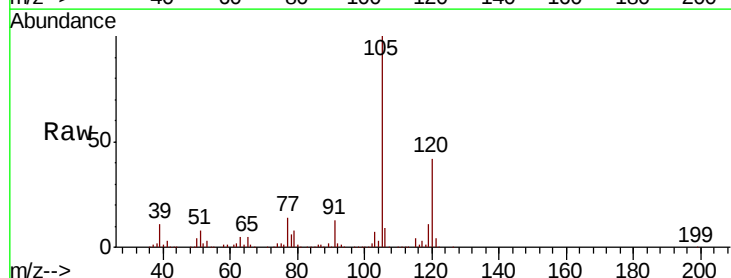
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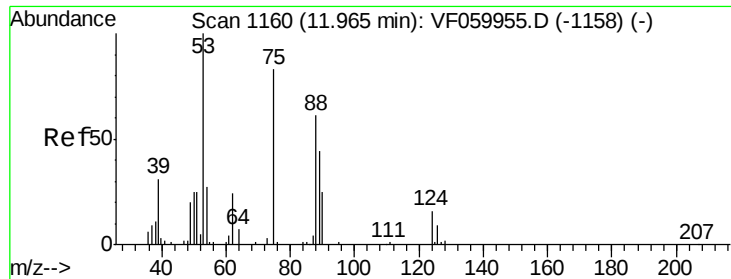
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.07 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.1	63.3





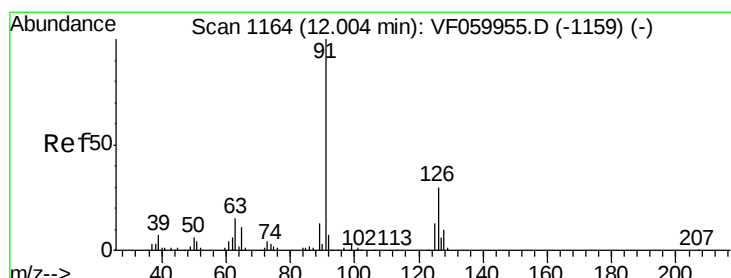
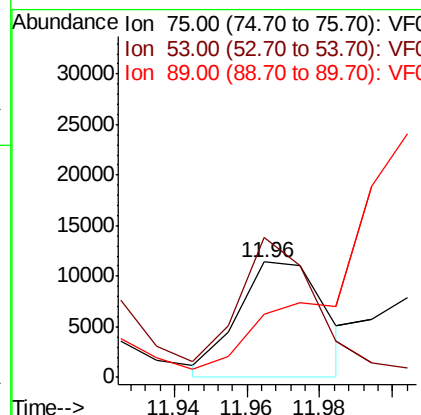
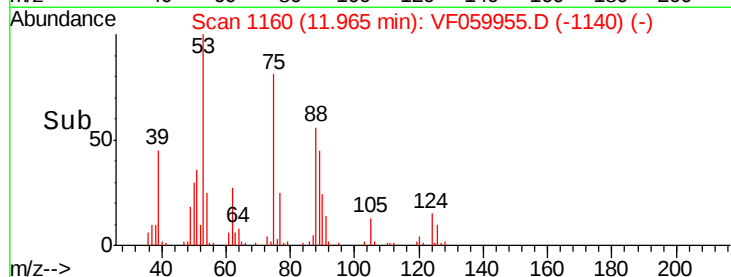
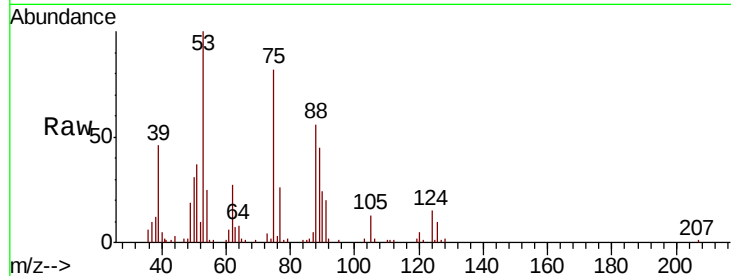
#81
trans-1,4-Dichloro-2-butene
Concen: 44.51 ug/l m
RT: 11.96 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.4	97.1	145.7
89	54.5	43.6	65.4

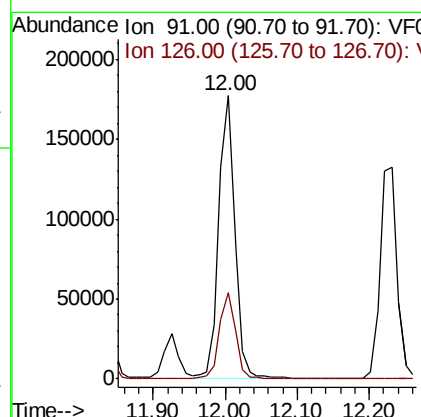
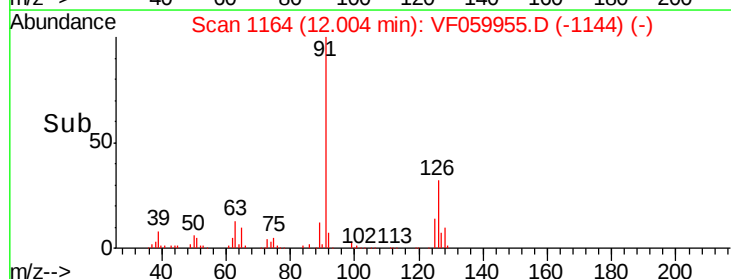
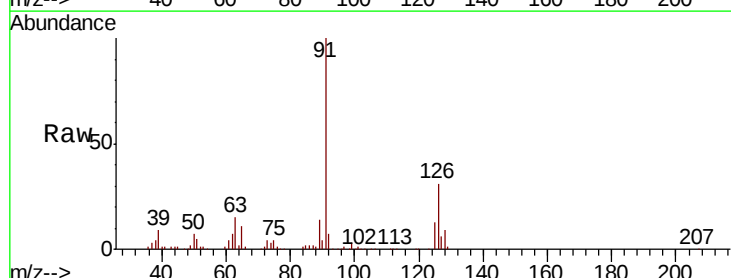
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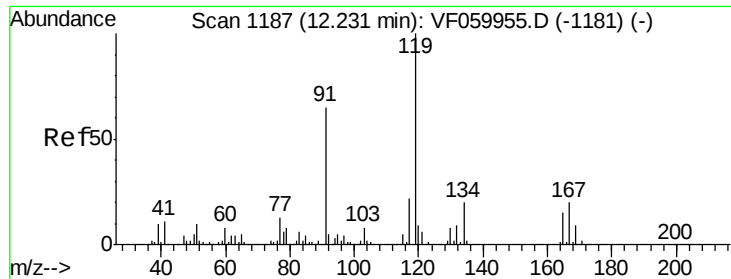
apatel
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#82
4-Chlorotoluene
Concen: 49.64 ug/l
RT: 12.00 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.3	45.8





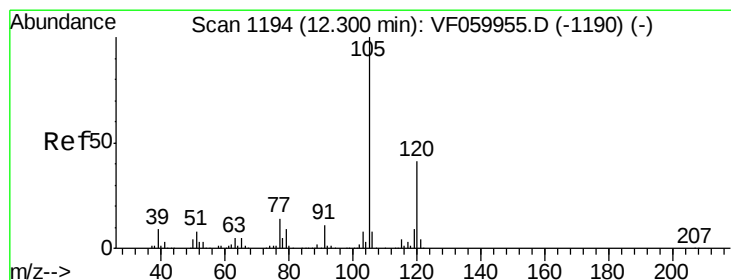
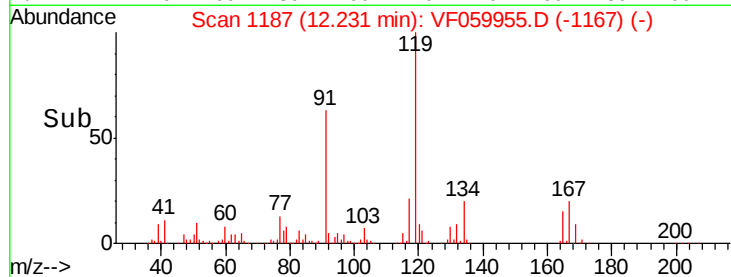
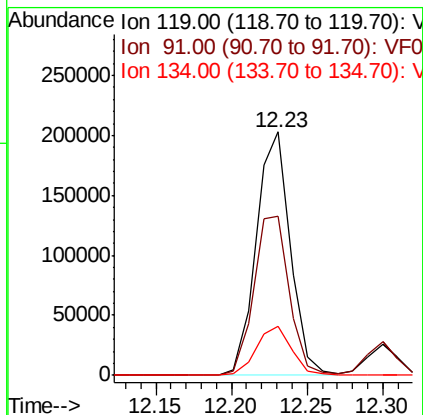
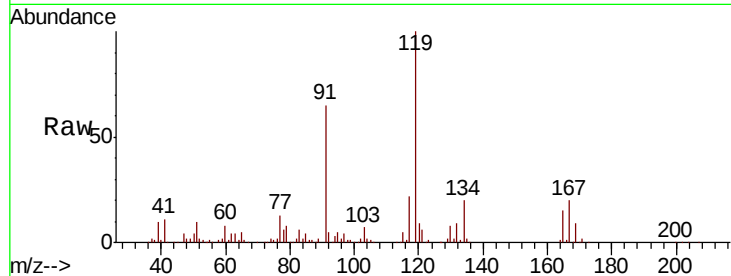
#83
 tert-Butylbenzene
 Concen: 52.91 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	320298		
91	65.3		32.6	98.0
134	20.2		10.1	30.3

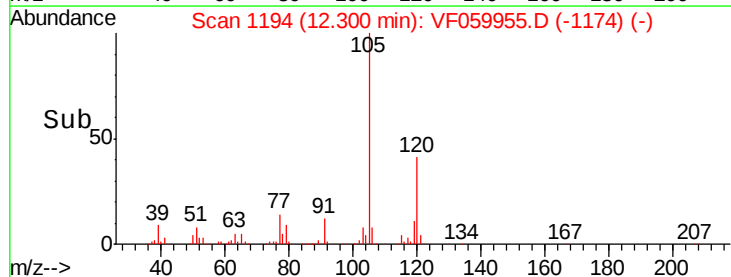
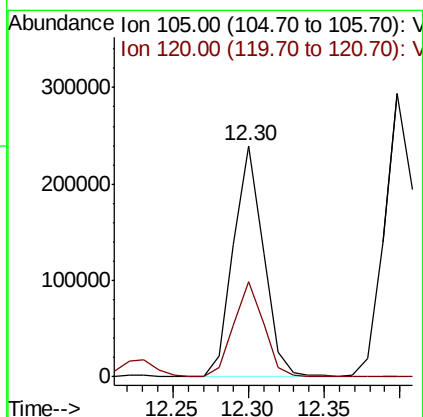
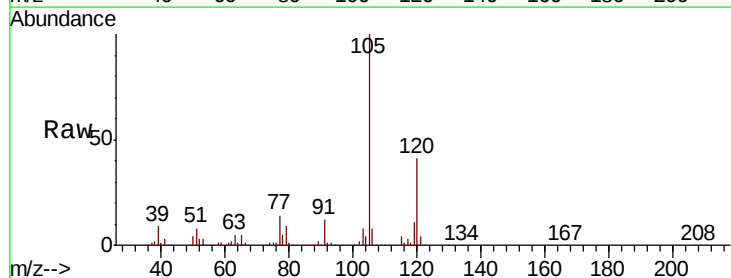
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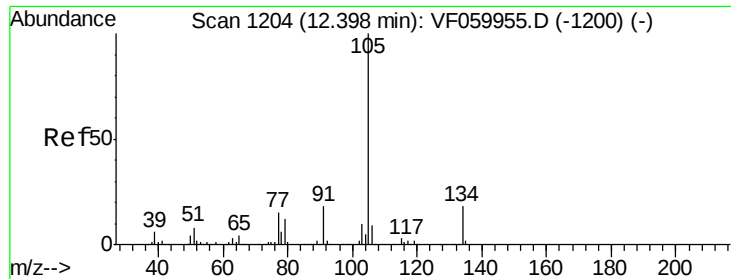
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.88 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	332322		
120	41.3		20.6	61.9





#85

sec-Butylbenzene

Concen: 51.60 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 414209

Ion Ratio Lower Upper

105 100

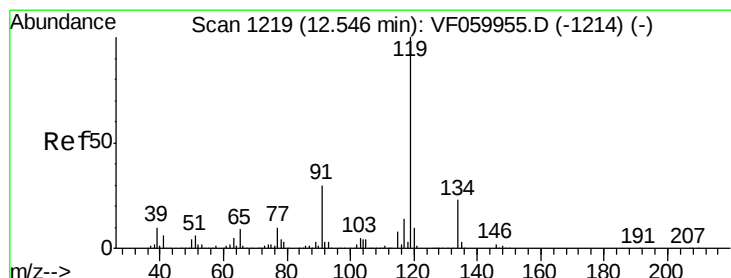
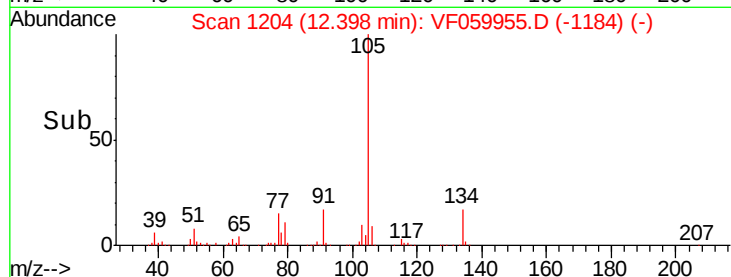
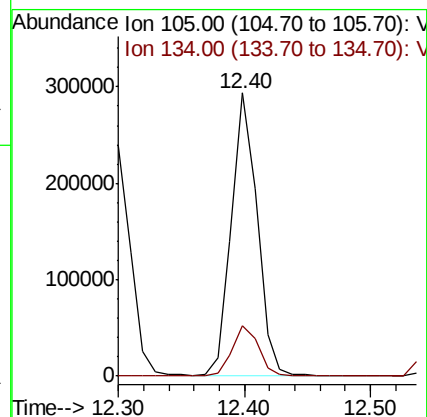
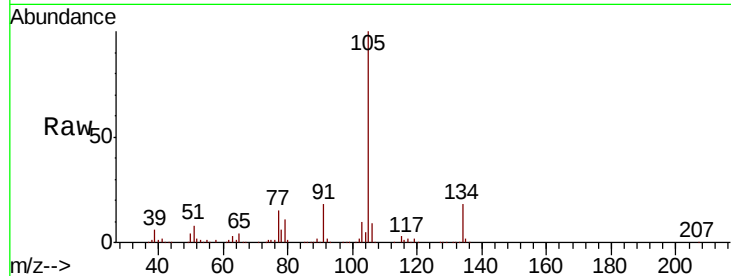
134 17.8 8.9 26.7

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#86

p-Isopropyltoluene

Concen: 53.99 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

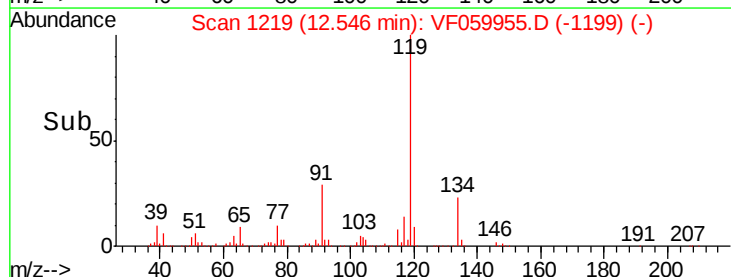
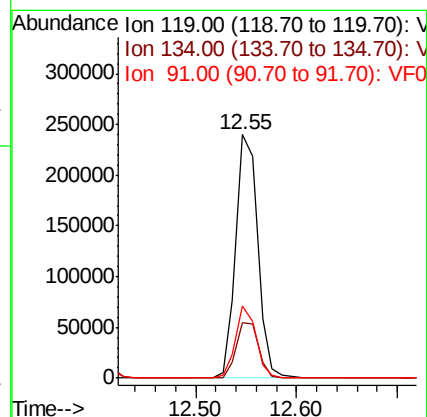
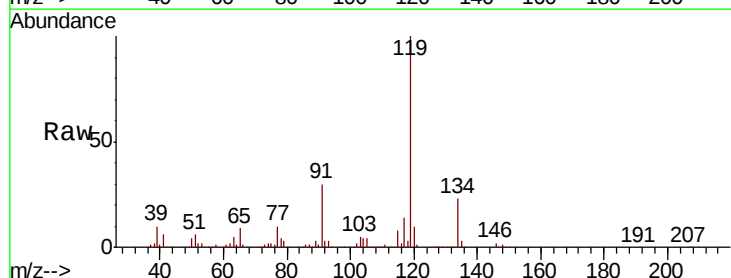
Tgt Ion:119 Resp: 363125

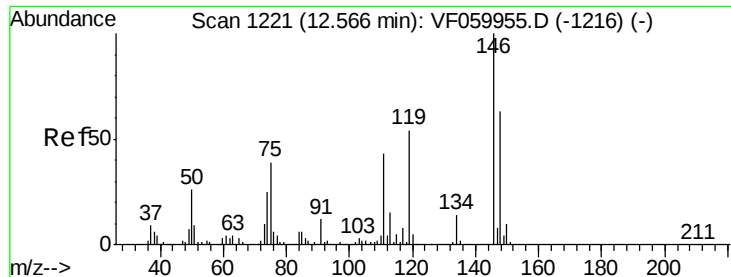
Ion Ratio Lower Upper

119 100

134 22.8 11.4 34.2

91 29.6 14.8 44.4





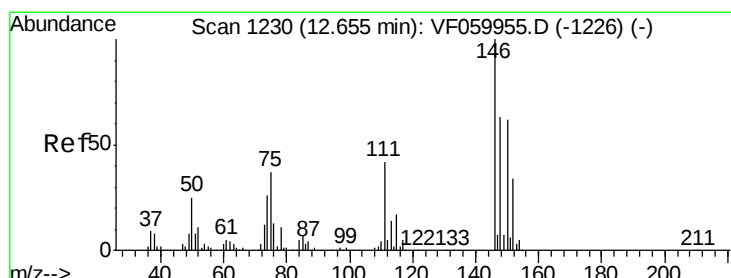
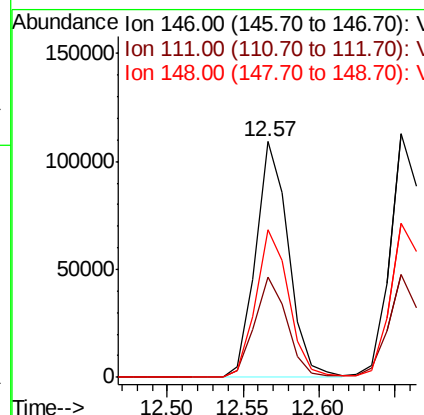
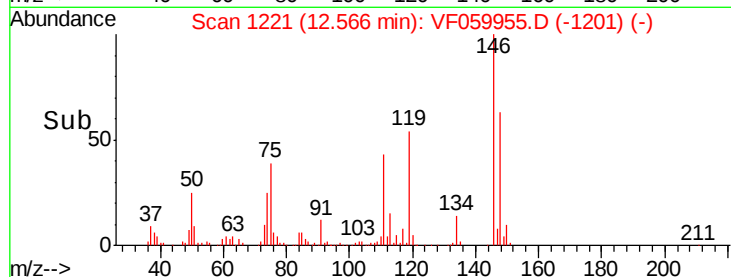
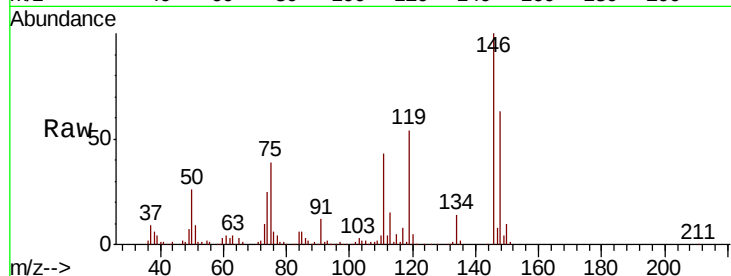
#87
 1,3-Dichlorobenzene
 Concen: 48.17 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	165583		
111	42.6	21.3	63.9	
148	62.9	31.4	94.3	

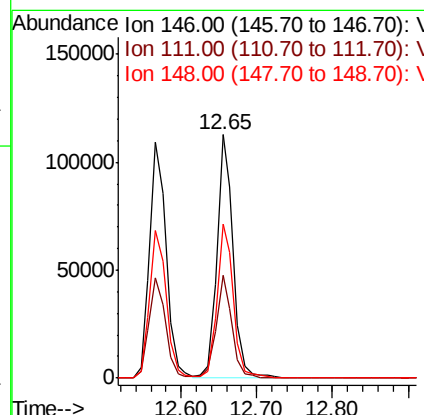
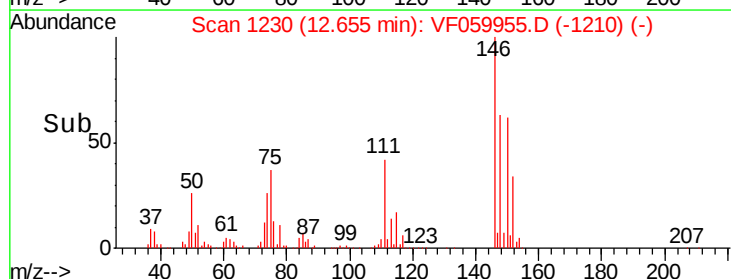
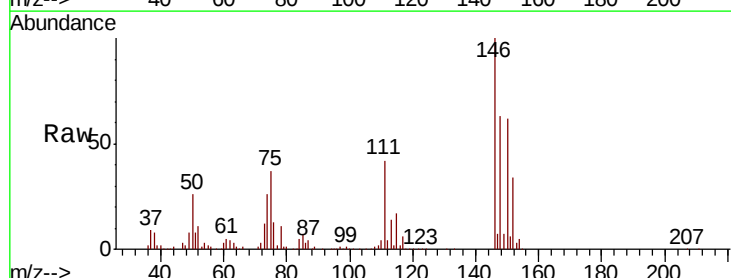
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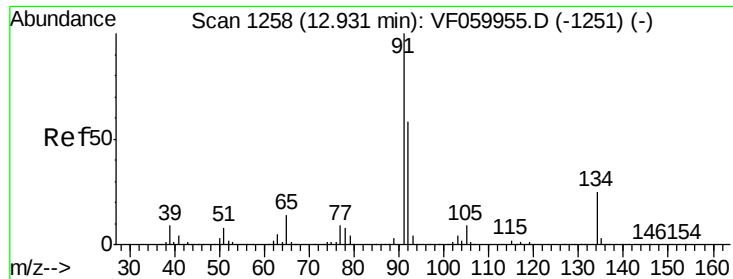
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#88
 1,4-Dichlorobenzene
 Concen: 50.23 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	169970		
111	42.1	21.1	63.1	
148	63.4	31.7	95.1	





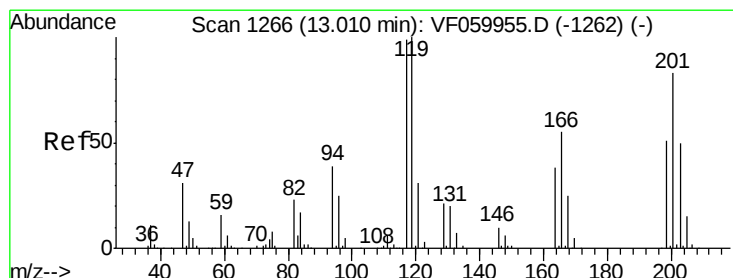
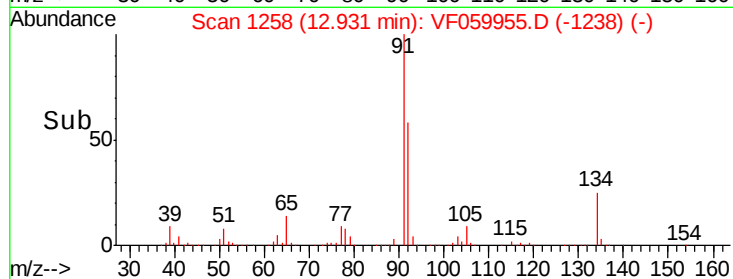
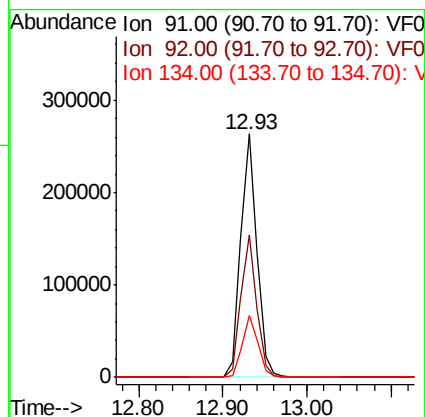
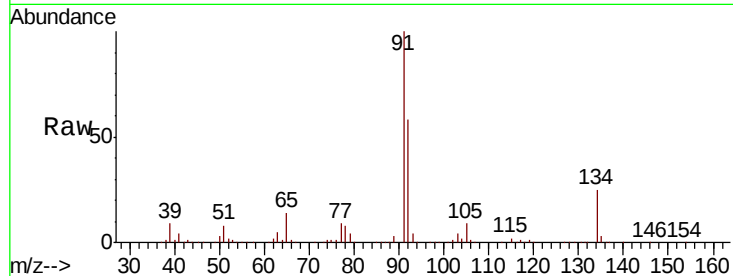
#89
n-Butylbenzene
Concen: 54.44 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.4	29.2	87.6
134	25.5	12.8	38.3

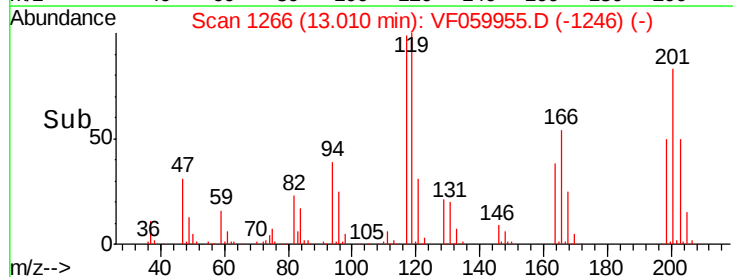
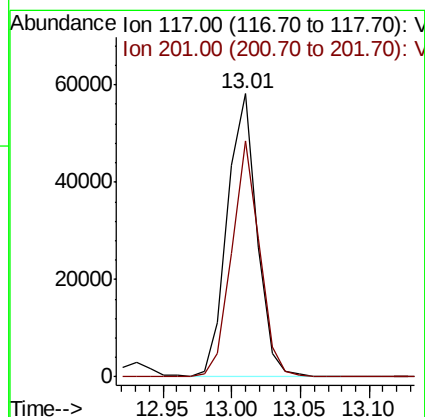
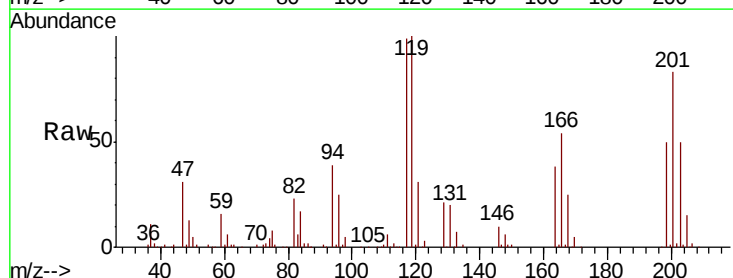
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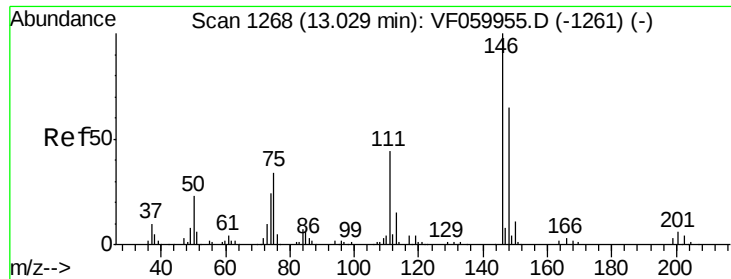
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#90
Hexachloroethane
Concen: 47.54 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 48.61 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

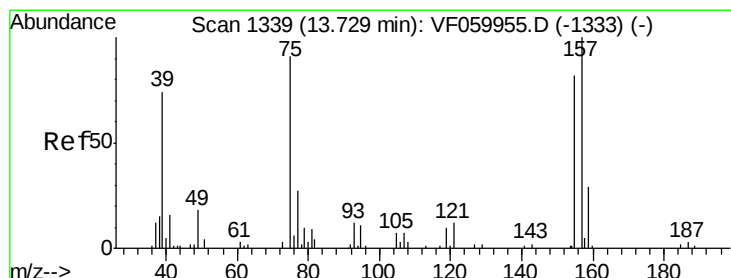
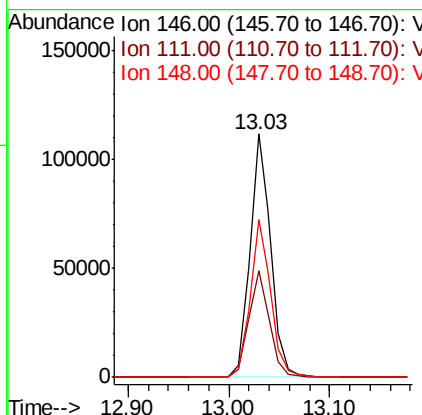
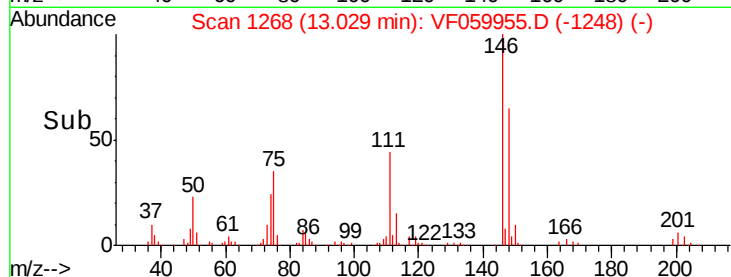
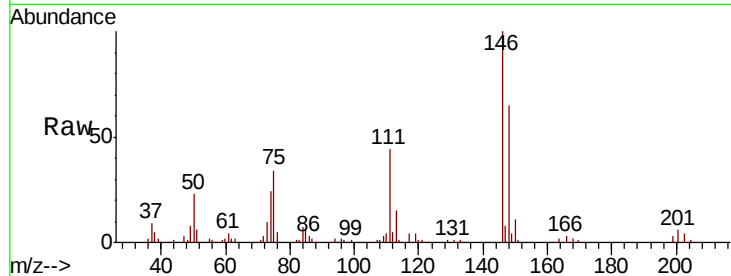
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	160243
Ion Ratio	Lower	Upper	
146	100		
111	44.0	22.0	66.0
148	64.7	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.79 ug/l

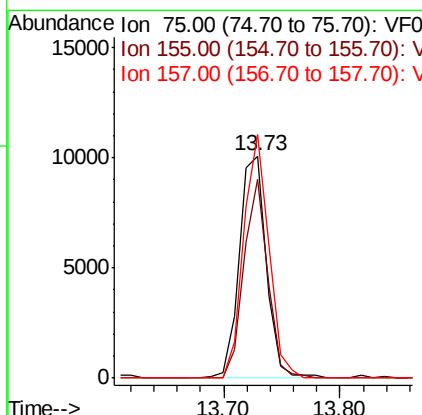
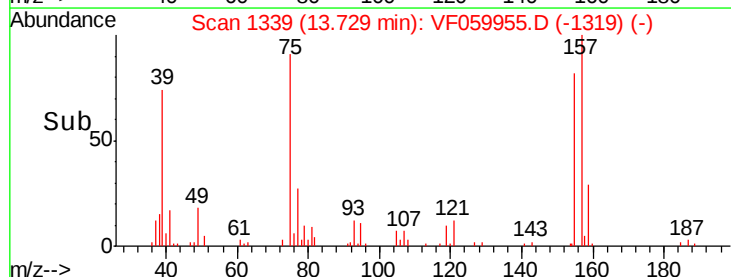
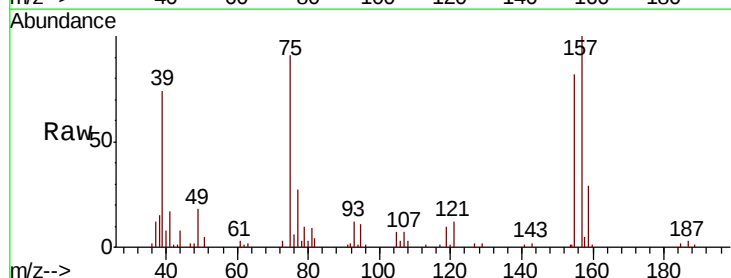
RT: 13.73 min Scan# 1339

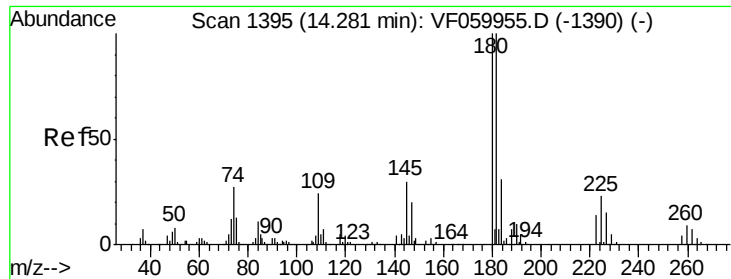
Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Tgt Ion:	75	Resp:	16221
Ion Ratio	Lower	Upper	
75	100		
155	89.3	44.6	134.0
157	109.5	54.8	164.3





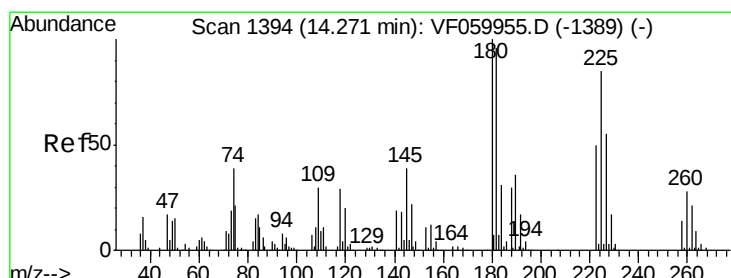
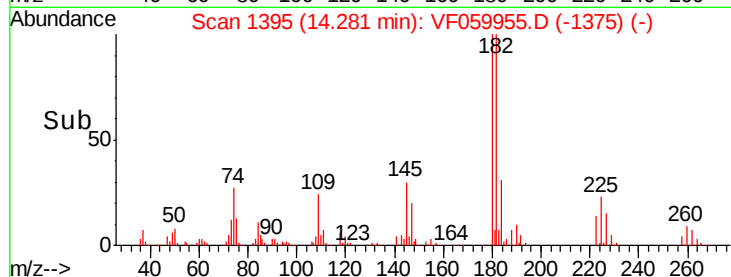
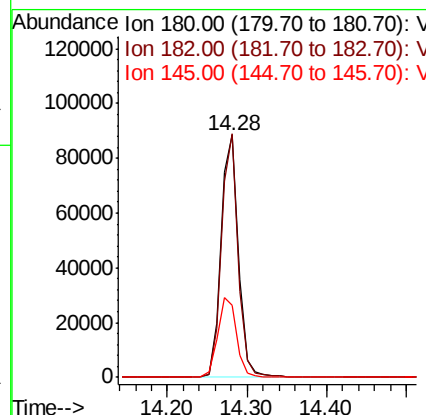
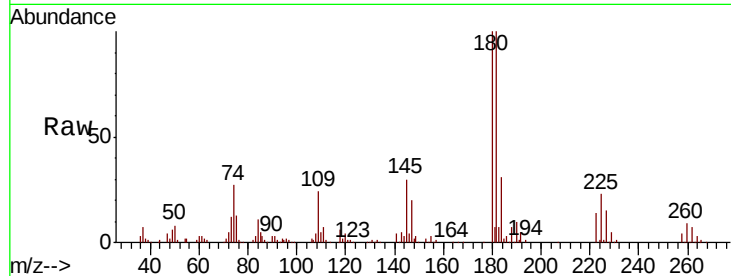
#93
 1,2,4-Trichlorobenzene
 Concen: 54.00 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136951		
182	100.5	50.2	150.7	
145	29.9	14.9	44.9	

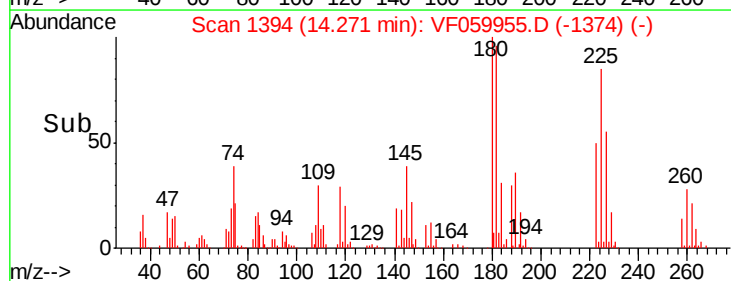
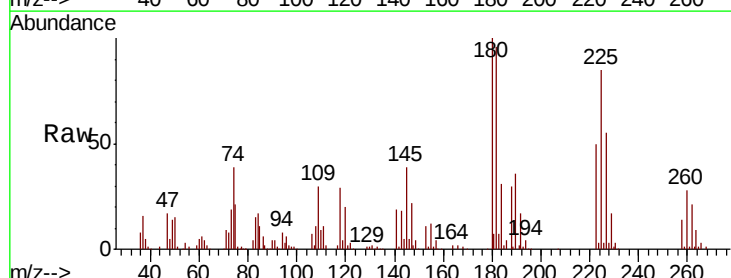
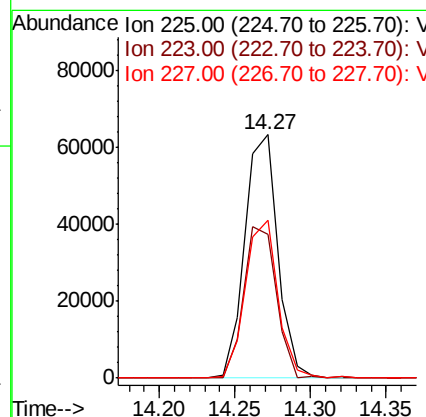
Manual Integrations
 APPROVED

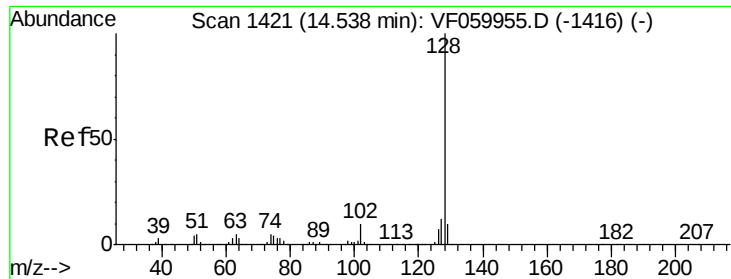
apatel
 8/16/2018 12:15:06 PM



#94
 Hexachlorobutadiene
 Concen: 53.58 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96180		
223	59.2	29.6	88.8	
227	65.0	32.5	97.5	





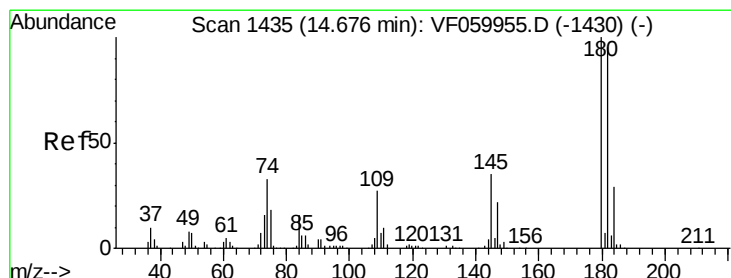
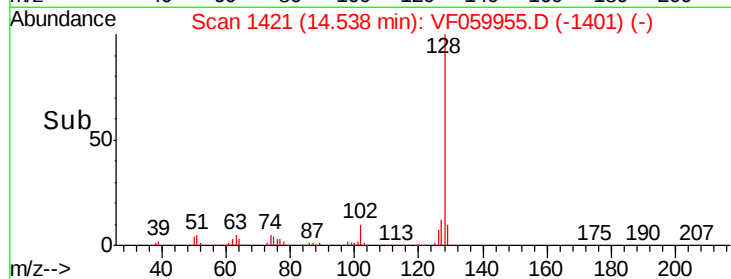
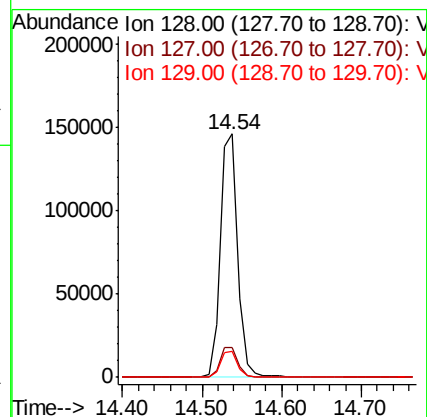
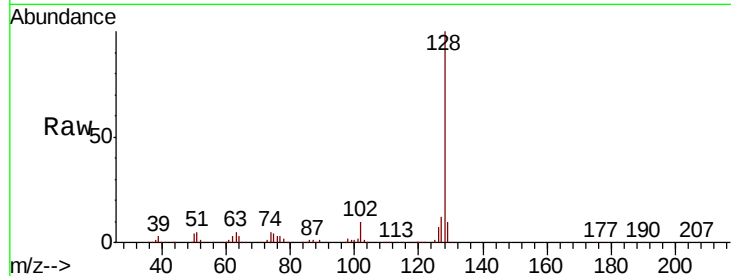
#95
Naphthalene
Concen: 52.27 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	226816		
127	12.4		9.9	14.9
129	10.5		8.4	12.6

Manual Integrations
APPROVED

apatel
8/16/2018 12:15:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.66 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	130637		
182	95.1		47.5	142.6
145	35.2		17.6	52.8

