

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059613.D
 Acq On : 23 Jul 2018 14:19
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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 7/24/2018 1:13:36 PM

Quant Time: Jul 24 04:16:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 14:43:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	218947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	304042	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	317262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	205068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	181313	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
35) Dibromofluoromethane	4.29	113	146787	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
50) Toluene-d8	7.71	98	365656	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	
62) 4-Bromofluorobenzene	11.51	95	205908	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	132023	48.34	ug/l	100
3) Chloromethane	1.08	50	54804	37.66	ug/l	100
4) Vinyl Chloride	1.15	62	67077	45.05	ug/l	100
5) Bromomethane	1.34	94	57987	53.79	ug/l	100
6) Chloroethane	1.42	64	40992	52.87	ug/l	100
7) Trichlorofluoromethane	1.49	101	199084m	57.89	ug/l	
8) Diethyl Ether	1.69	74	28442	41.73	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	89879	55.41	ug/l	100
10) Methyl Iodide	1.96	142	155086	55.17	ug/l	100
11) Tert butyl alcohol	2.67	59	32969	216.46	ug/l	100
12) 1,1-Dichloroethene	1.85	96	71853	43.60	ug/l	100
13) Acrolein	2.09	56	20819	253.72	ug/l	100
14) Allyl chloride	2.19	41	129398	59.57	ug/l	100
15) Acrylonitrile	3.06	53	52169	191.21	ug/l	100
16) Acetone	2.33	43	140010	247.97	ug/l	100
17) Carbon Disulfide	1.87	76	178734m	47.53	ug/l	
18) Methyl Acetate	2.44	43	42097	37.14	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	207635	41.89	ug/l	100
20) Methylene Chloride	2.27	84	67886	36.11	ug/l	100
21) trans-1,2-Dichloroethene	2.40	96	72059	47.32	ug/l	100
22) Diisopropyl ether	2.92	45	250983	44.65	ug/l	100
23) Vinyl Acetate	3.32	43	648312	200.47	ug/l	100
24) 1,1-Dichloroethane	2.99	63	172056	48.32	ug/l	100
25) 2-Butanone	4.50	43	147963	196.07	ug/l	100
26) 2,2-Dichloropropane	3.75	77	151147	61.22	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	88828	50.35	ug/l	100
28) Bromochloromethane	3.88	49	64279	42.83	ug/l	100
29) Tetrahydrofuran	4.25	42	58796	172.80	ug/l	100
30) Chloroform	4.03	83	243670	47.74	ug/l	100
31) Cyclohexane	3.85	56	95559	50.75	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	217801	61.83	ug/l	100
36) 1,1-Dichloropropene	4.45	75	146765	48.09	ug/l	100
37) Ethyl Acetate	4.29	43	63251	35.99	ug/l	100
38) Carbon Tetrachloride	4.16	117	232342m	61.18	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	118065	50.17	ug/l	100
40) Benzene	4.81	78	265301	45.32	ug/l	100
41) Methacrylonitrile	4.90	41	39455	45.66	ug/l	100
42) 1,2-Dichloroethane	5.11	62	185792	48.02	ug/l	100
43) Isopropyl Acetate	7.10	43	82986	39.42	ug/l	100
44) Trichloroethene	5.67	130	106817	48.56	ug/l	100
45) 1,2-Dichloropropane	6.39	63	75016	46.31	ug/l	100
46) Dibromomethane	6.25	93	67313	45.71	ug/l	100
47) Bromodichloromethane	6.54	83	198581	51.33	ug/l	100
48) Methyl methacrylate	6.87	41	59078	39.46	ug/l	100
49) 1,4-Dioxane	6.86	88	7375	1068.68	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	280776	190.31	ug/l	100
52) Toluene	7.77	92	199764	46.59	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	163959	46.82	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	166569	47.79	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	74674	45.85	ug/l	100
56) Ethyl methacrylate	8.75	69	84258	42.34	ug/l	100
57) 1,3-Dichloropropane	9.00	76	126138	43.70	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	45732	249.63	ug/l	100
59) 2-Hexanone	9.63	43	239599	212.72	ug/l	100
60) Dibromochloromethane	8.86	129	137203	49.32	ug/l	100
61) 1,2-Dibromoethane	9.14	107	89254	44.03	ug/l	100
64) Tetrachloroethene	8.30	164	107724	45.62	ug/l	100
65) Chlorobenzene	9.93	112	284097	47.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	130383	47.89	ug/l	100
67) Ethyl Benzene	10.03	91	489551	46.13	ug/l	100
68) m/p-Xylenes	10.27	106	334896	89.88	ug/l	100
69) o-Xylene	10.82	106	190656	47.62	ug/l	100
70) Styrene	10.90	104	288718	46.98	ug/l	100
71) Bromoform	10.89	173	82259	44.59	ug/l	100
73) Isopropylbenzene	11.23	105	604224	46.81	ug/l	100
74) N-amyl acetate	11.46	43	147005	37.11	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	106923	39.29	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	85972	38.59	ug/l	100
77) Bromobenzene	11.59	156	158046	44.16	ug/l	100
78) n-propylbenzene	11.69	91	711377	47.69	ug/l	100
79) 2-Chlorotoluene	11.81	91	427101	46.64	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	532191	48.74	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	37437m	35.21	ug/l	
82) 4-Chlorotoluene	11.98	91	462484	45.45	ug/l	100
83) tert-Butylbenzene	12.21	119	528344	50.32	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	552654	49.11	ug/l	100
85) sec-Butylbenzene	12.39	105	680738	50.78	ug/l	100
86) p-Isopropyltoluene	12.54	119	613747	52.25	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	289566	46.60	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	290636	47.24	ug/l	100
89) n-Butylbenzene	12.92	91	589005	53.44	ug/l	100
90) Hexachloroethane	12.99	117	152551	55.86	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	268519	45.33	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	25006	40.39	ug/l	100

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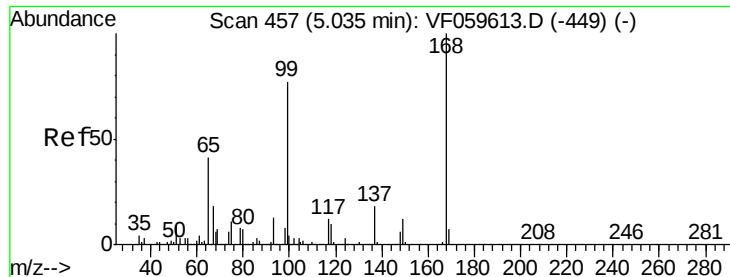
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	213342	56.84	ug/l	100
94) Hexachlorobutadiene	14.25	225	147532	71.54	ug/l	100
95) Naphthalene	14.52	128	364596	48.59	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	198763	57.97	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 218947

Ion Ratio Lower Upper

168 100

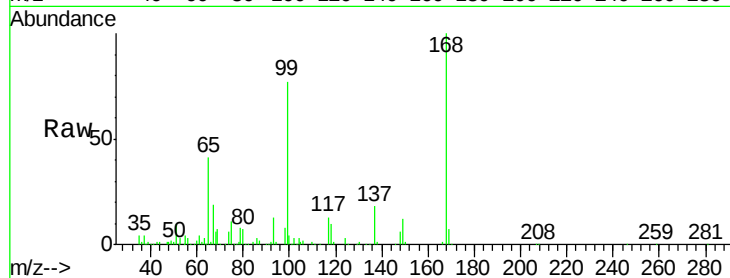
99 76.9 61.5 92.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

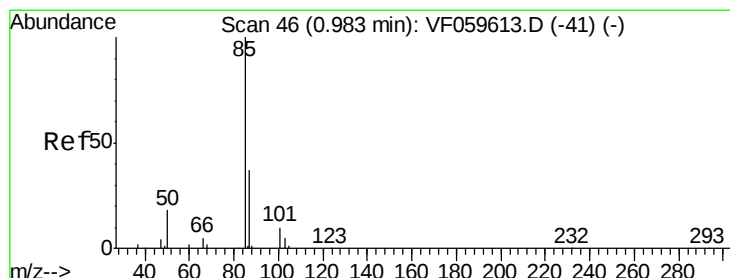
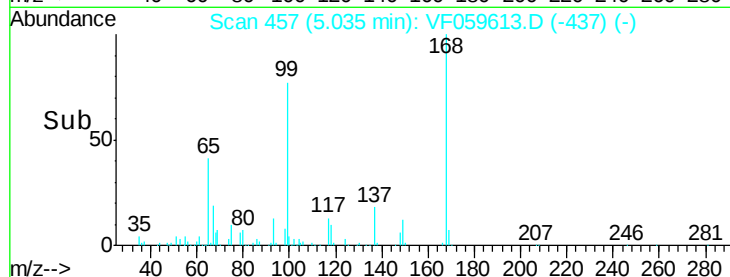
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.34 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059613.D

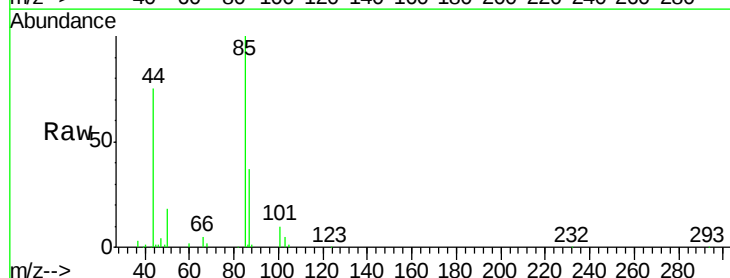
Acq: 23 Jul 2018 14:19

Tgt Ion: 85 Resp: 132023

Ion Ratio Lower Upper

85 100

87 36.6 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

40000

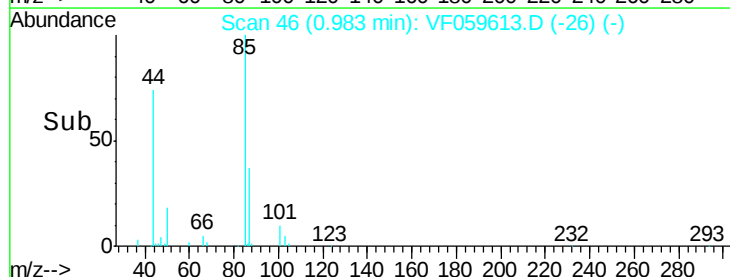
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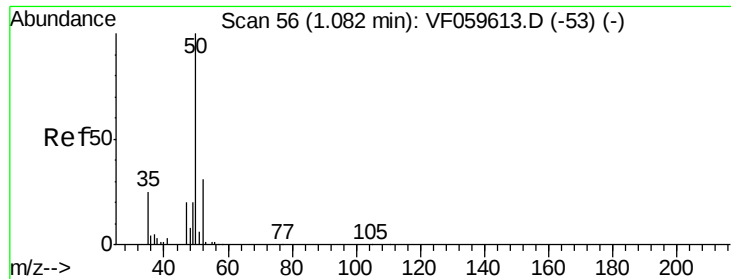
20000

10000

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Time-->





#3

Chloromethane

Concen: 37.66 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 54804

Ion Ratio Lower Upper

50 100

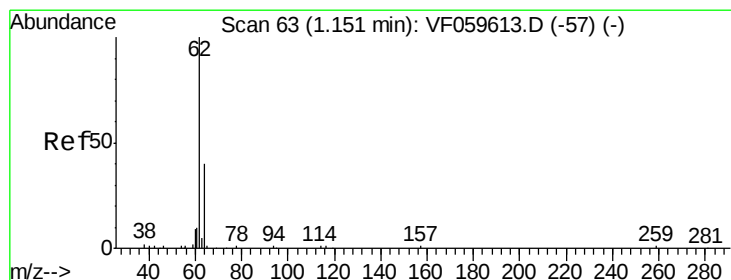
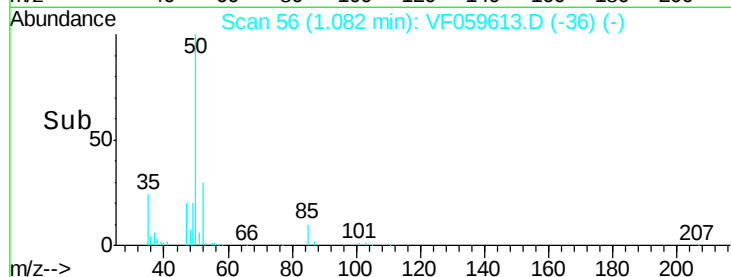
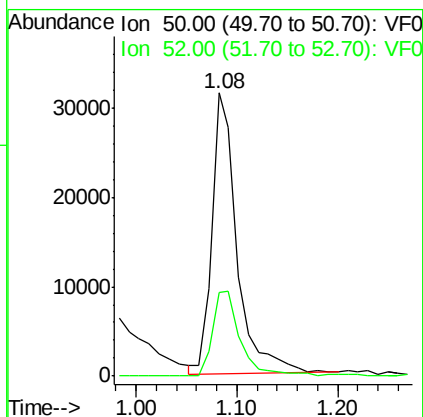
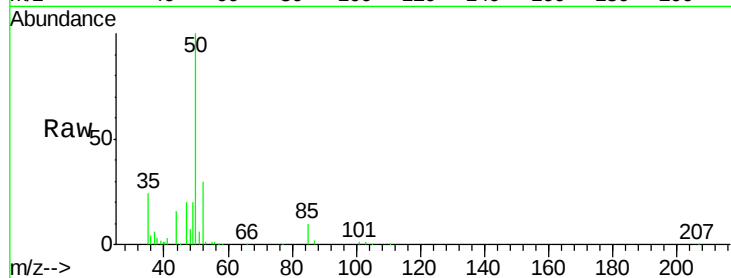
52 29.6 23.7 35.5

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#4

Vinyl Chloride

Concen: 45.05 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059613.D

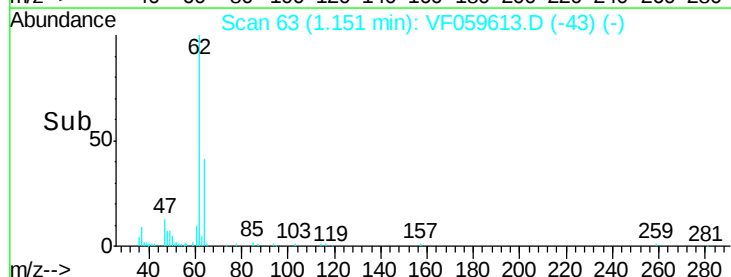
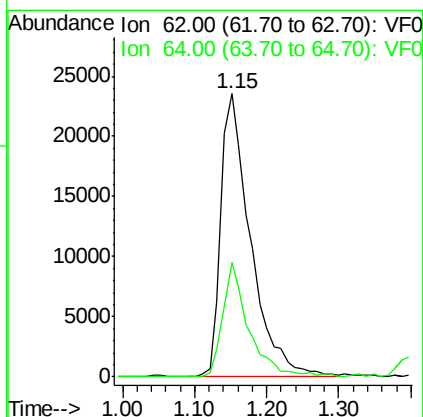
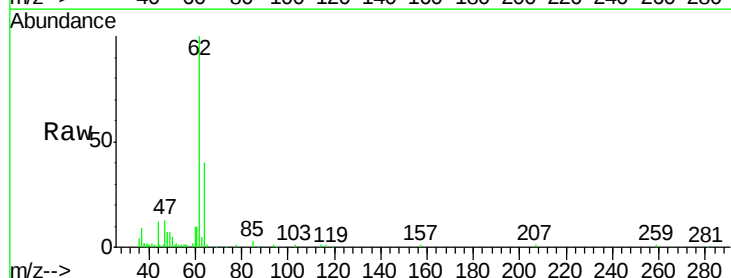
Acq: 23 Jul 2018 14:19

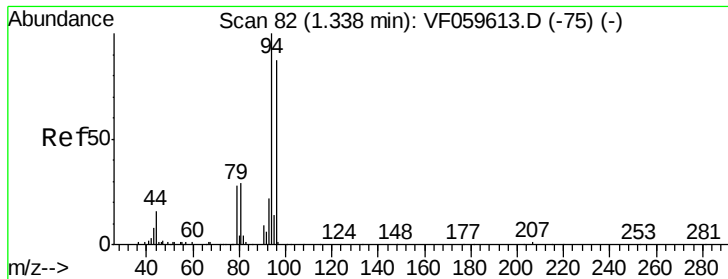
Tgt Ion: 62 Resp: 67077

Ion Ratio Lower Upper

62 100

64 40.3 32.2 48.4





#5

Bromomethane

Concen: 53.79 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 57987

Ion Ratio Lower Upper

94 100

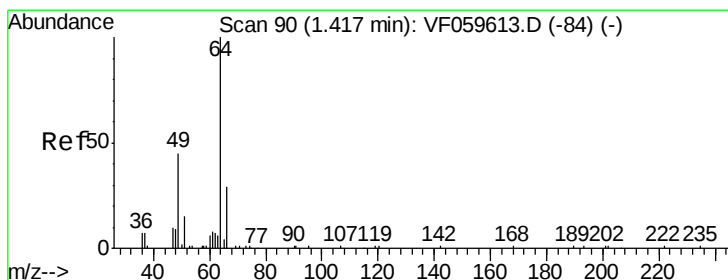
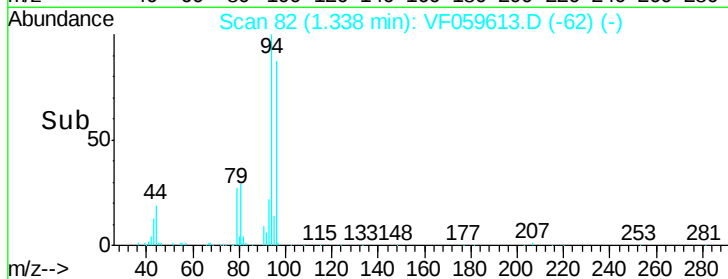
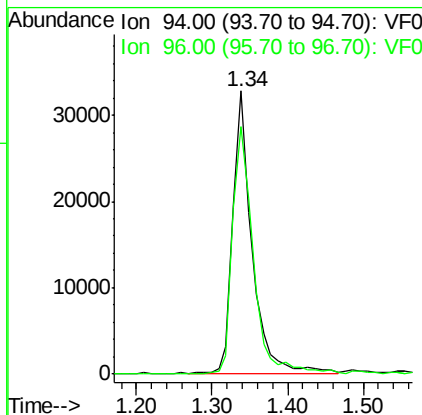
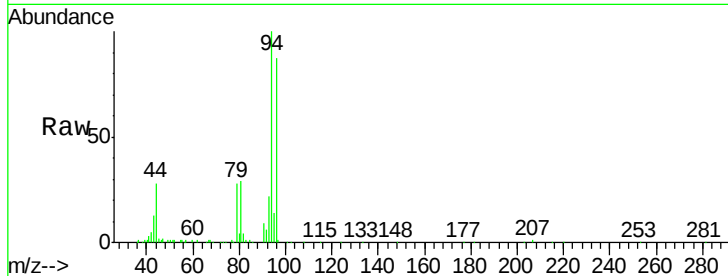
96 87.3 69.8 104.8

Manual Integrations

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#6

Chloroethane

Concen: 52.87 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059613.D

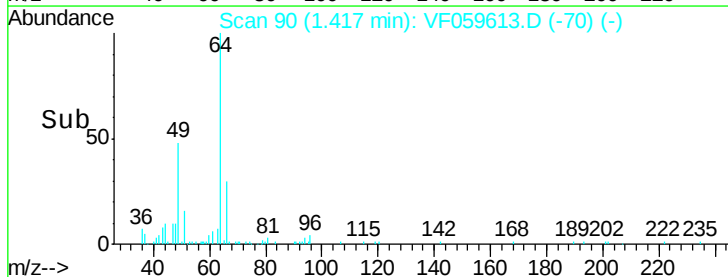
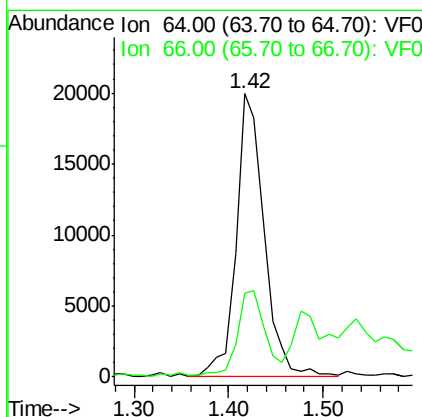
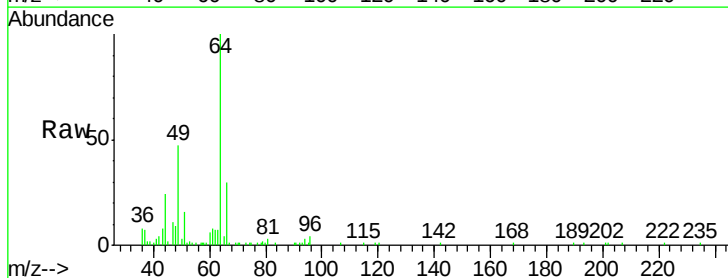
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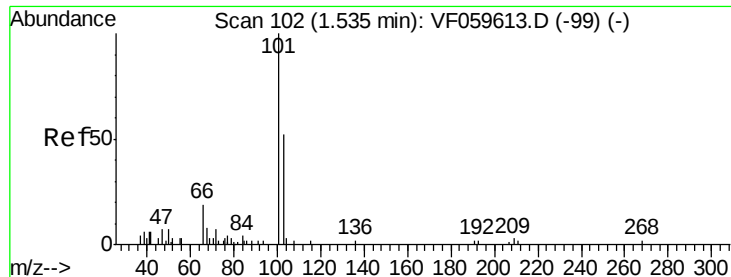
Tgt Ion: 64 Resp: 40992

Ion Ratio Lower Upper

64 100

66 29.6 23.7 35.5





#7

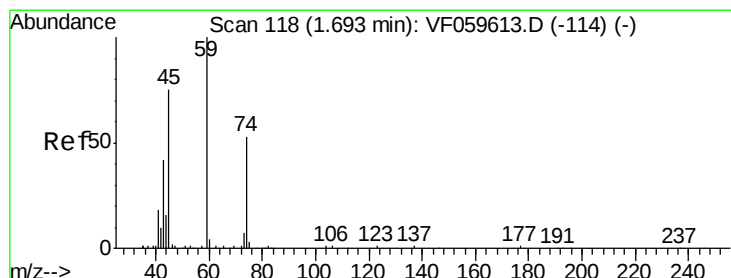
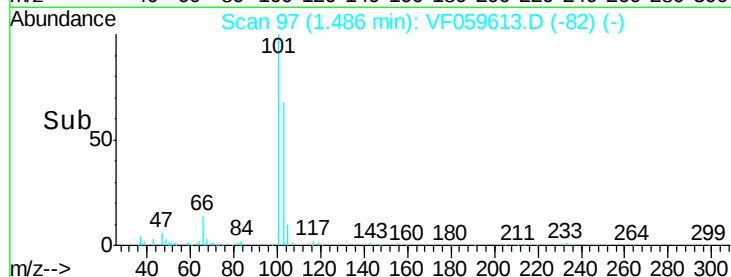
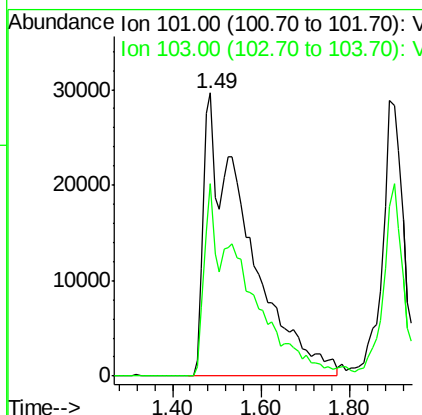
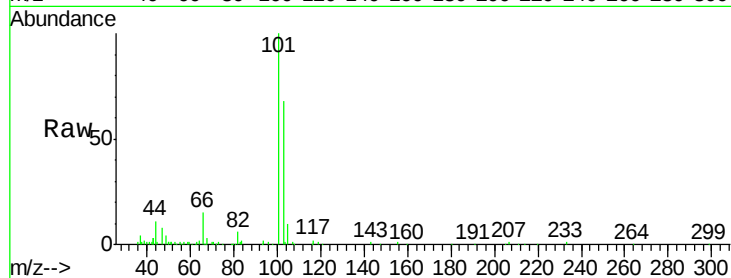
Trichlorofluoromethane
Concen: 57.89 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.05 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion:101 Resp: 199084
Ion Ratio Lower Upper
101 100
103 68.2 48.2 72.4

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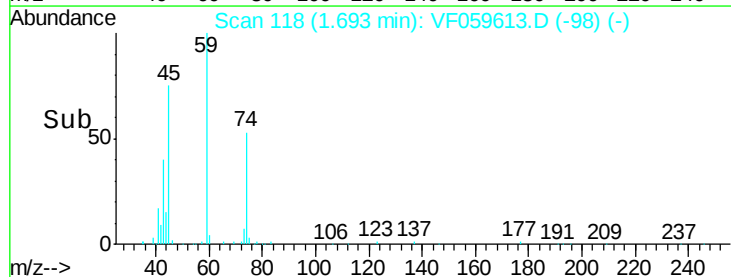
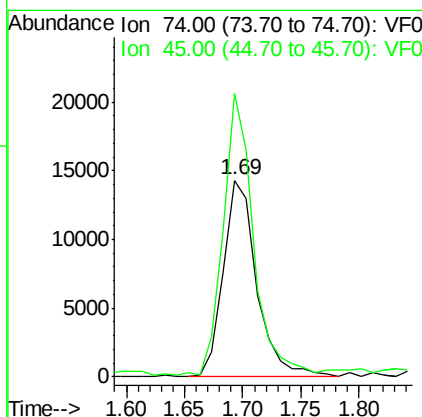
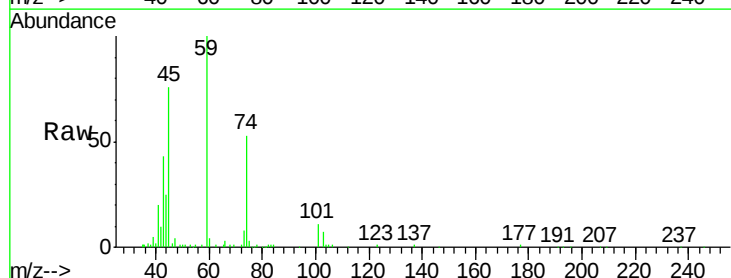
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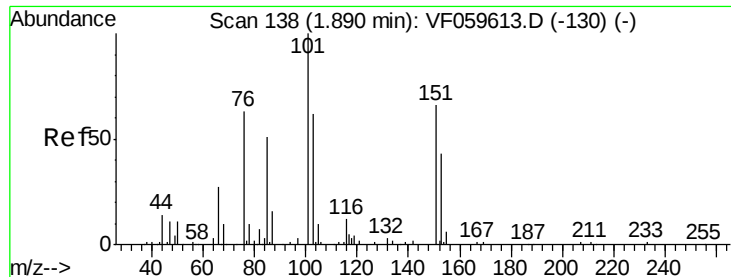


#8

Diethyl Ether
Concen: 41.73 ug/l
RT: 1.69 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion: 74 Resp: 28442
Ion Ratio Lower Upper
74 100
45 143.9 72.0 215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.41 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

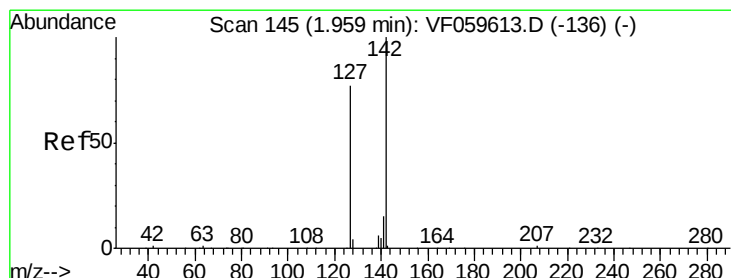
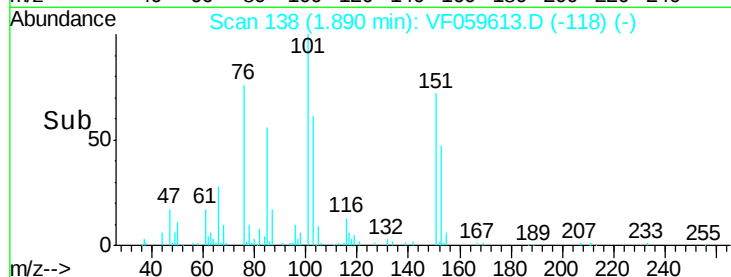
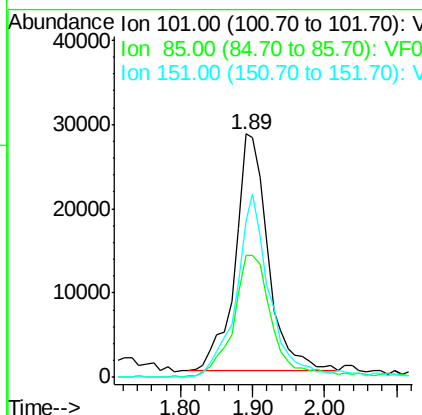
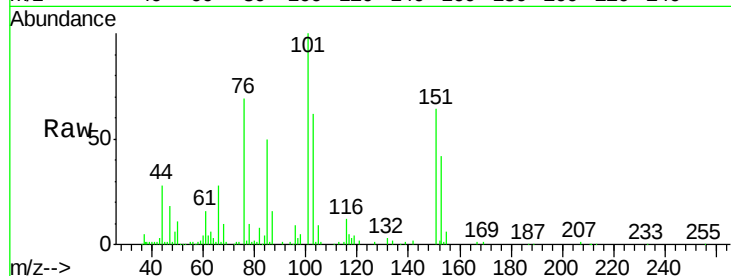
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	89879
Ion Ratio	Lower	Upper	
101	100		
85	50.2	40.2	60.2
151	64.3	51.4	77.2

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#10

Methyl Iodide

Concen: 55.17 ug/l

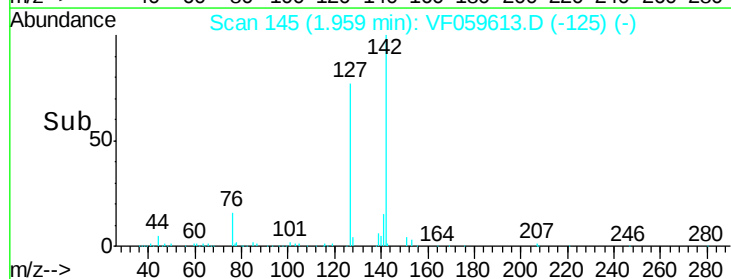
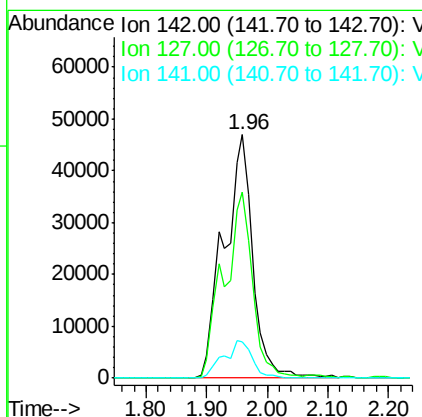
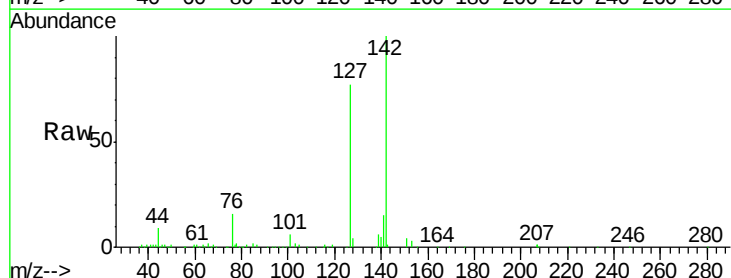
RT: 1.96 min Scan# 145

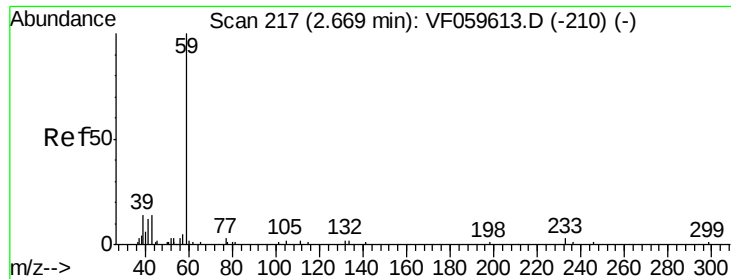
Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Tgt Ion:	142	Resp:	155086
Ion Ratio	Lower	Upper	
142	100		
127	76.5	61.2	91.8
141	15.0	12.0	18.0





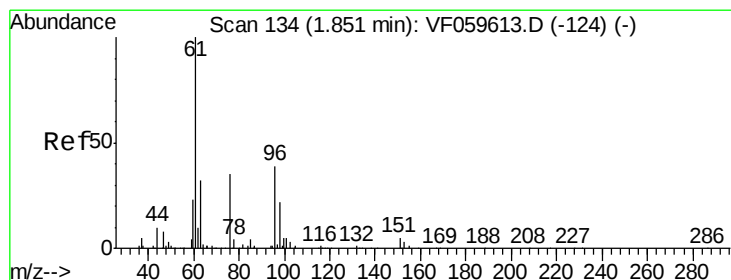
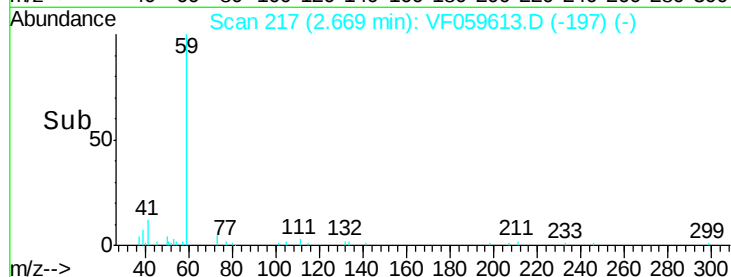
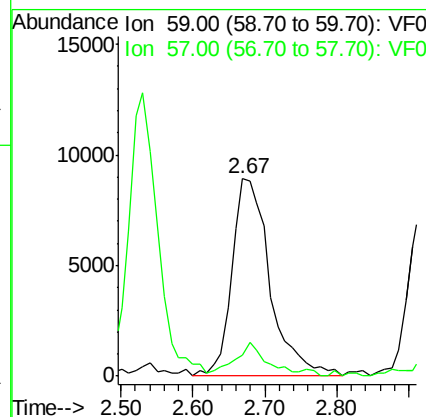
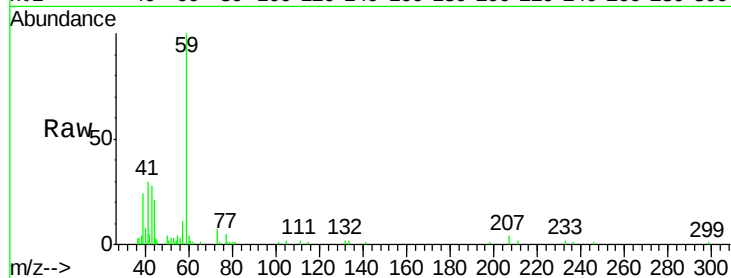
#11
Tert butyl alcohol
Concen: 216.46 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

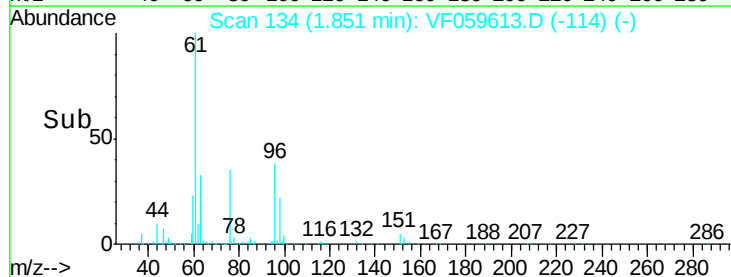
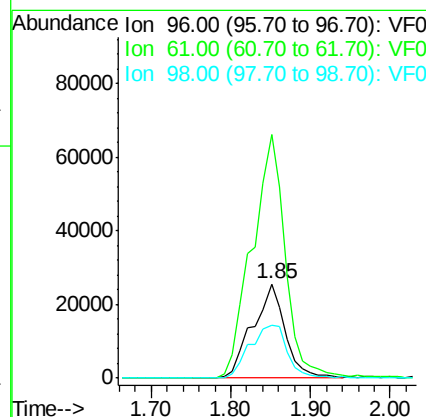
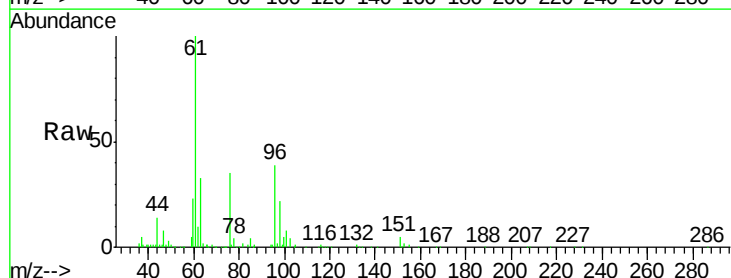
Manual Integrations
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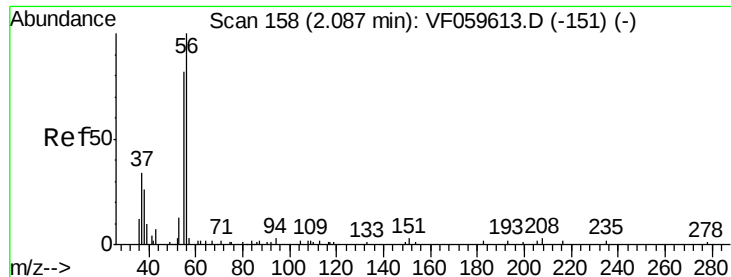
apatel
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#12
1,1-Dichloroethene
Concen: 43.60 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	259.0	207.2	310.8
98	56.9	45.5	68.3





#13

Acrolein

Concen: 253.72 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 20819

Ion Ratio Lower Upper

56 100

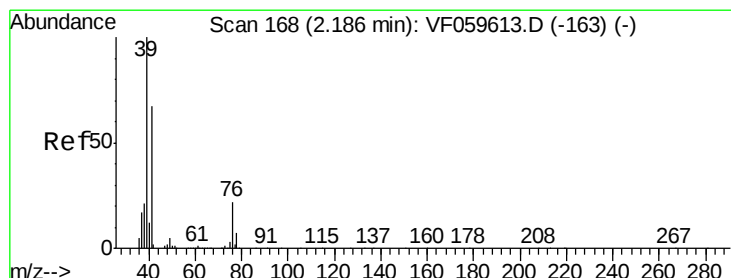
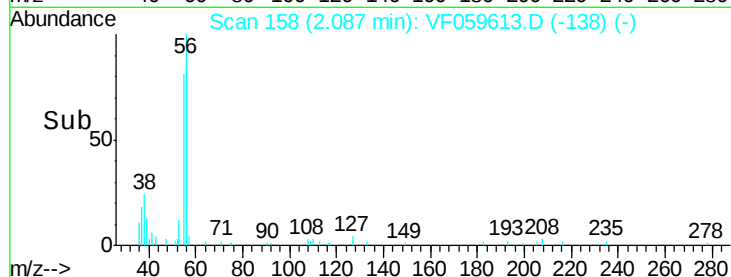
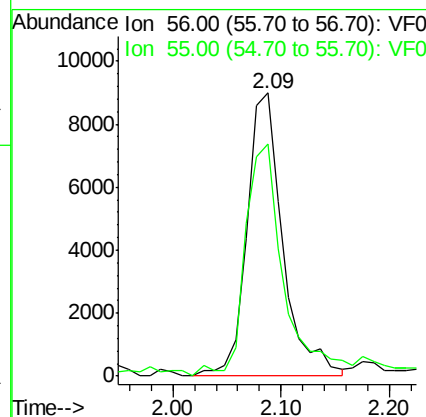
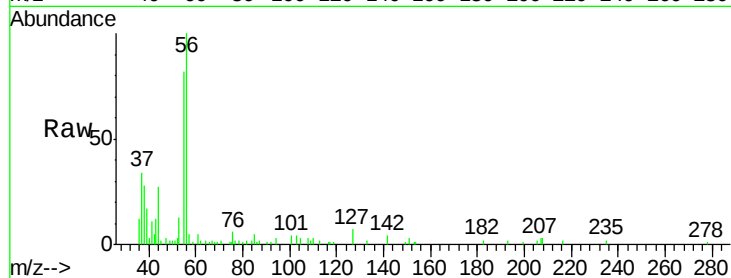
55 82.0 65.6 98.4

Manual Integrations

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#14

Allyl chloride

Concen: 59.57 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

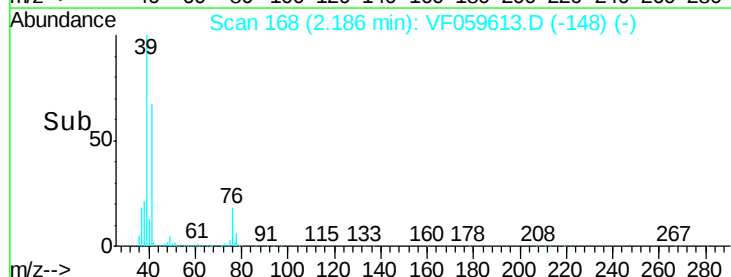
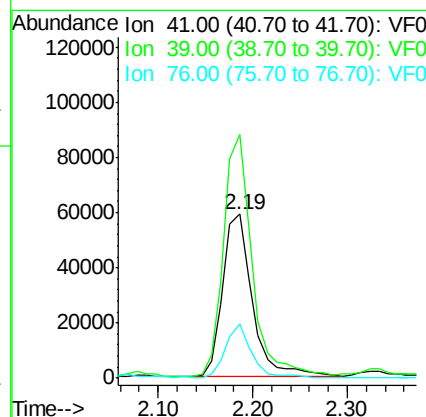
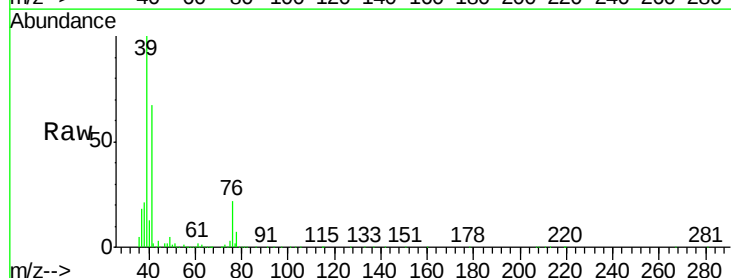
Tgt Ion: 41 Resp: 129398

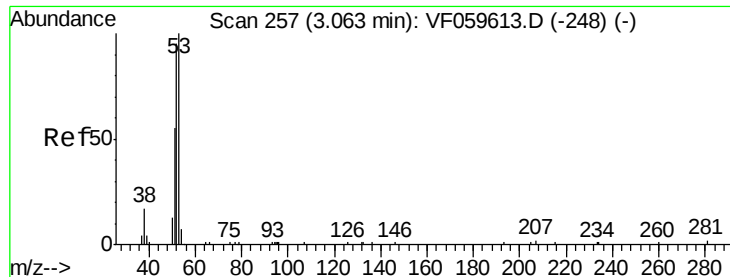
Ion Ratio Lower Upper

41 100

39 148.7 119.0 178.4

76 32.9 26.3 39.5





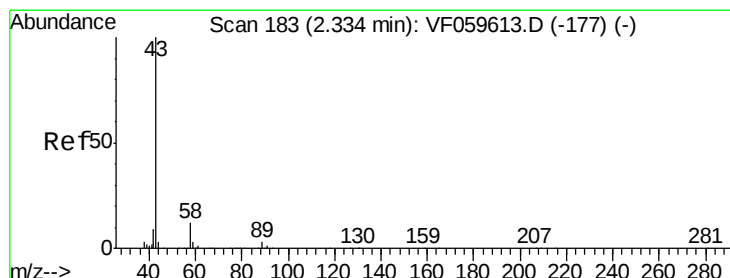
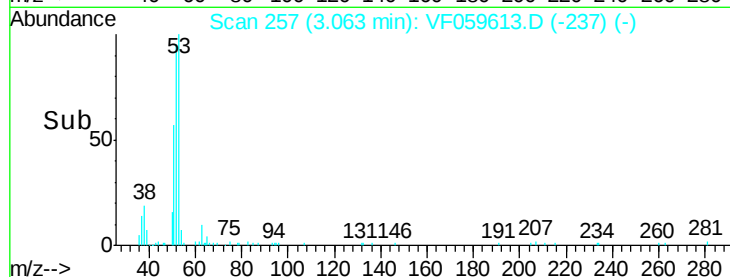
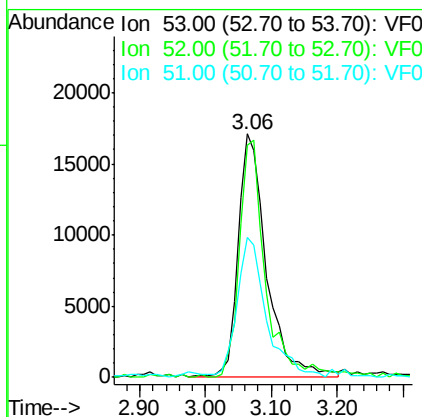
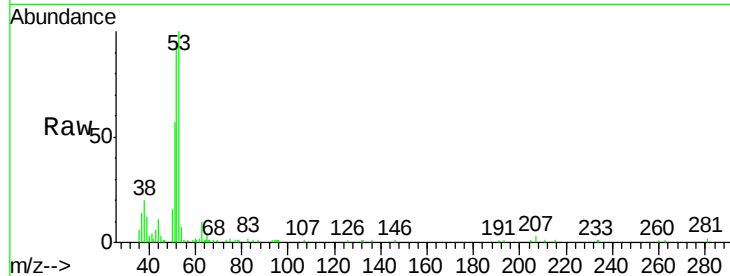
#15
 Acrylonitrile
 Concen: 191.21 ug/l
 RT: 3.06 min Scan# 257
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	53	Resp	52169
Ion Ratio	100	Lower	Upper
53	100		
52	95.2	76.2	114.2
51	57.3	45.8	68.8

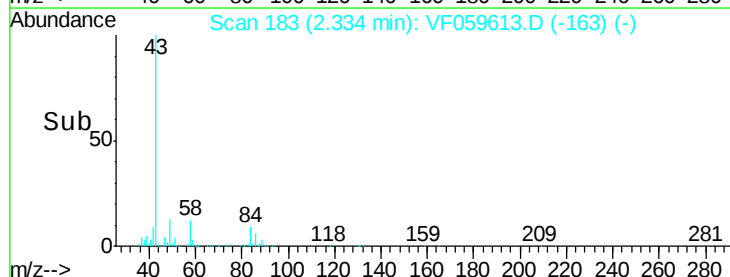
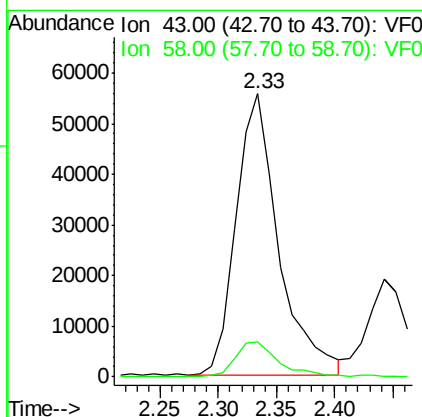
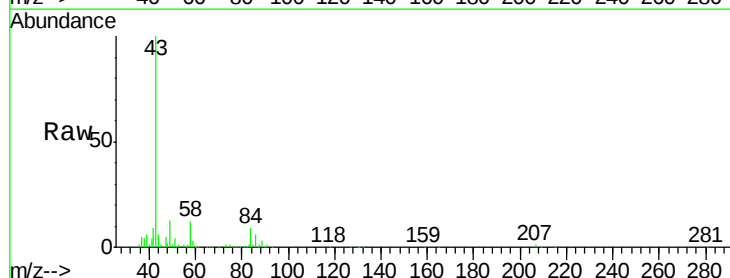
Manual Integrations
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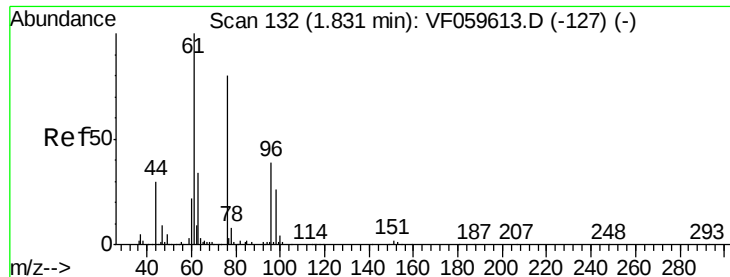
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#16
 Acetone
 Concen: 247.97 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion	43	Resp	140010
Ion Ratio	100	Lower	Upper
43	100		
58	12.3	9.8	14.8





#17

Carbon Disulfide

Concen: 47.53 ug/l m

RT: 1.87 min Scan# 136

Delta R.T. 0.04 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Tot Ion: 76 Resp: 178734

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5

Instrument :

MSVOA_F

ClientSampleId :

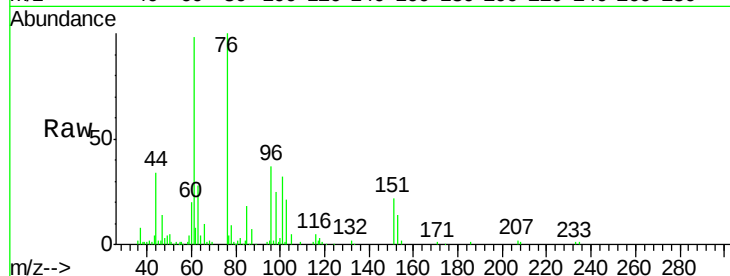
VSTDICCC050

Manual Integrations

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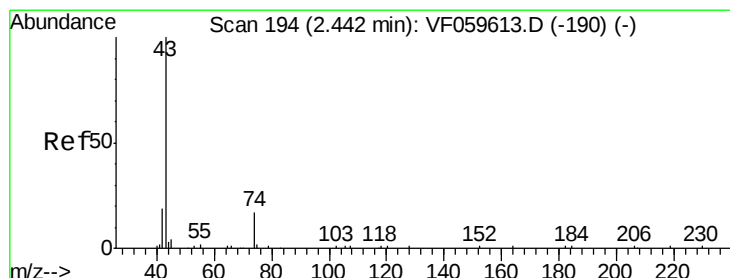
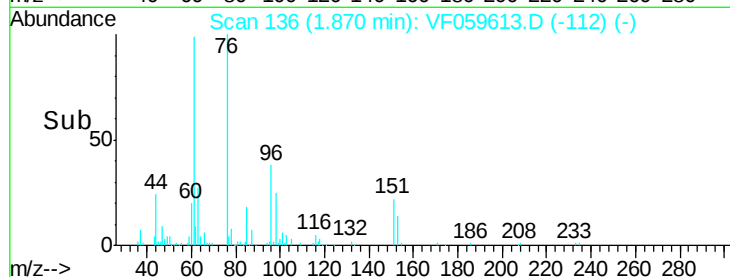
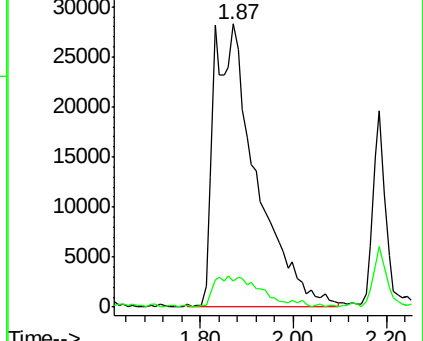
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 37.14 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059613.D

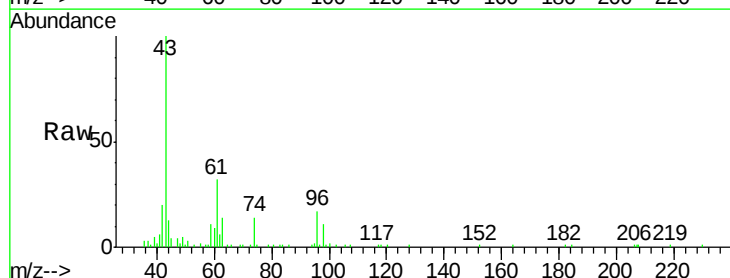
Acq: 23 Jul 2018 14:19

Tgt Ion: 43 Resp: 42097

Ion Ratio Lower Upper

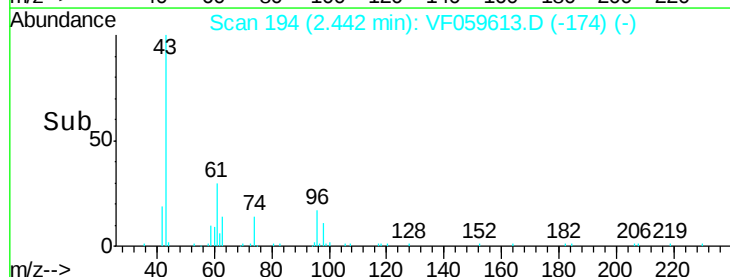
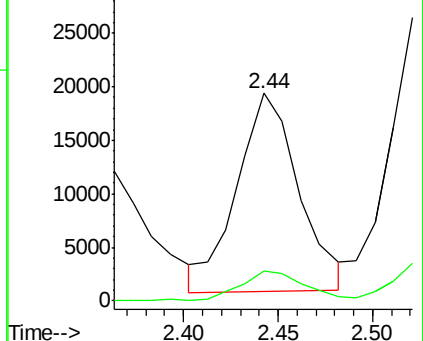
43 100

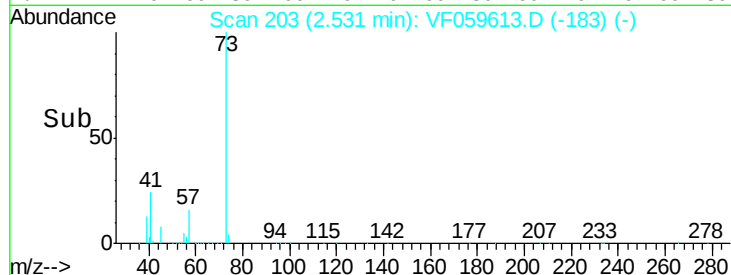
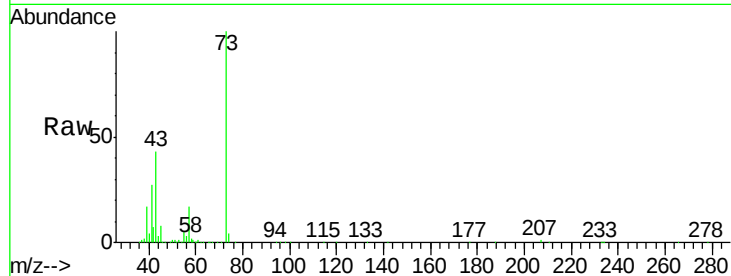
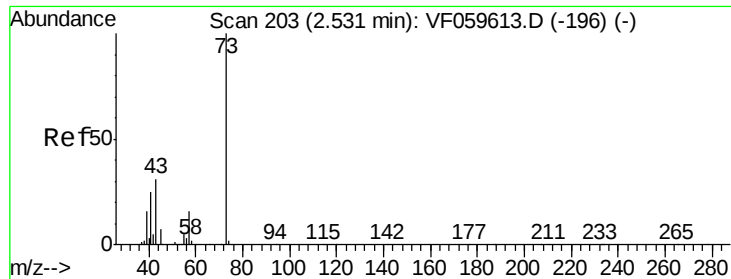
74 14.2 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





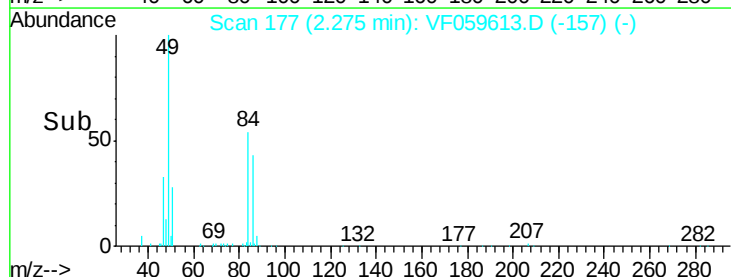
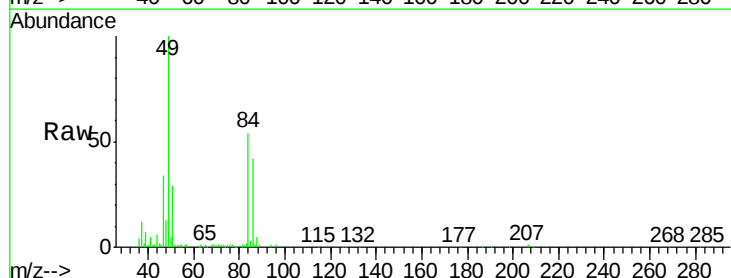
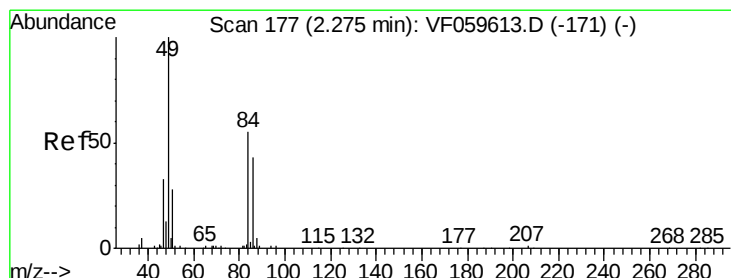
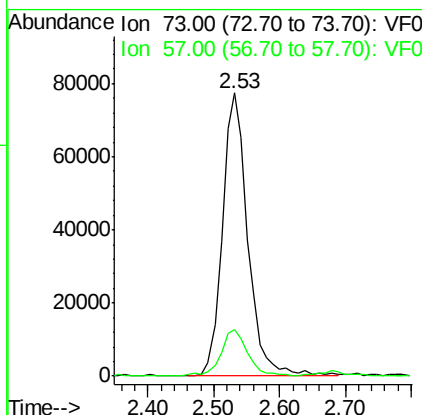
#19
Methvl tert-butvl Ether
Concen: 41.89 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tot Ion: 73 Resp: 207635
Ion Ratio Lower Upper
73 100
57 16.5 13.2 19.8

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

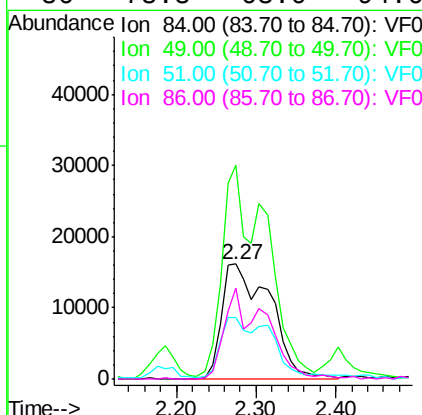
Manual Integrations
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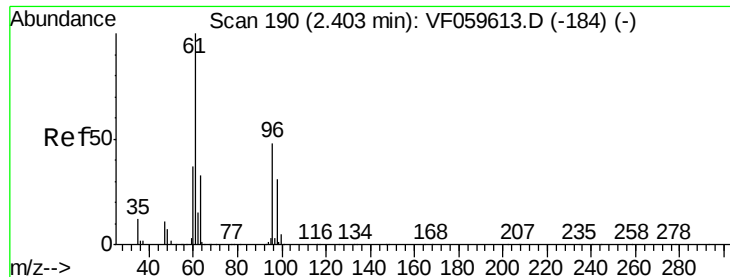
apatel
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#20
Methylene Chloride
Concen: 36.11 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion: 84 Resp: 67886
Ion Ratio Lower Upper
84 100
49 185.7 148.6 222.8
51 53.4 42.7 64.1
86 78.8 63.0 94.6





#21

trans-1,2-Dichloroethene

Concen: 47.32 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 72059

Ion Ratio Lower Upper

96 100

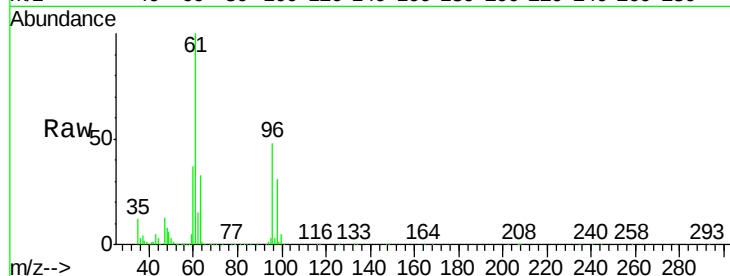
61 208.8 167.0 250.6

98 64.8 51.8 77.8

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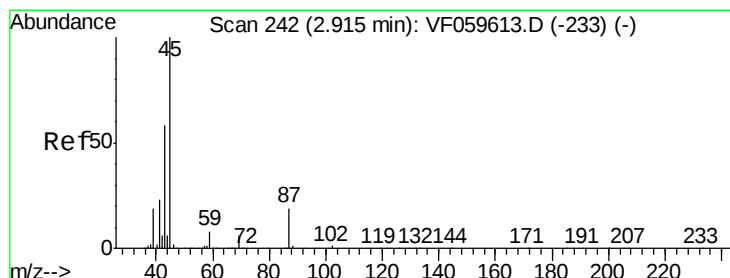
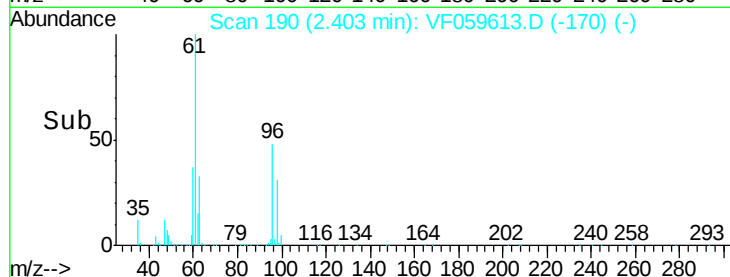
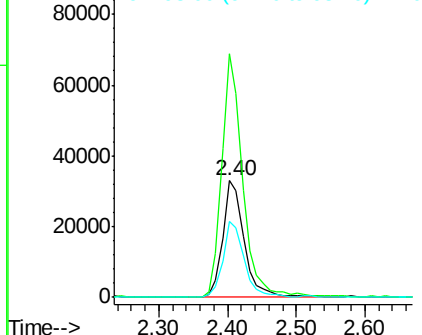
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Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 44.65 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Tgt Ion: 45 Resp: 250983

Ion Ratio Lower Upper

45 100

43 58.4 46.7 70.1

87 18.8 15.0 22.6

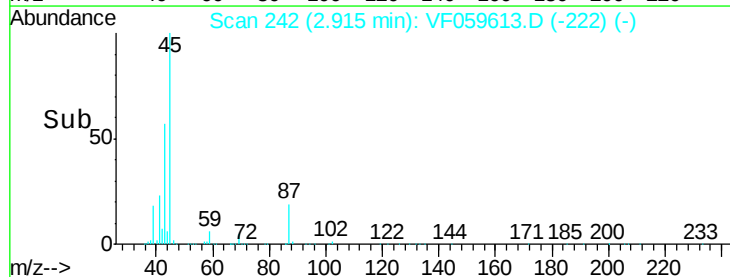
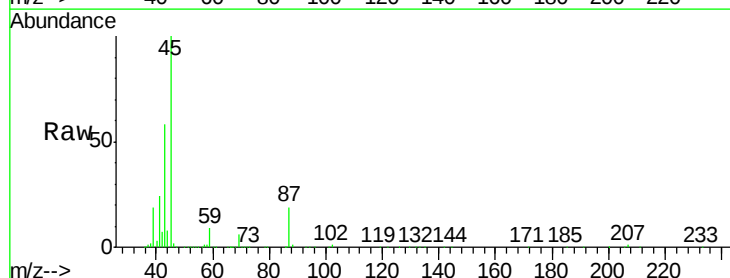
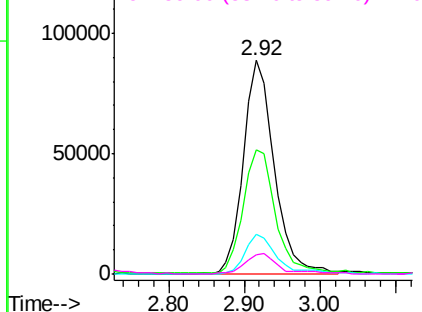
59 8.7 7.0 10.4

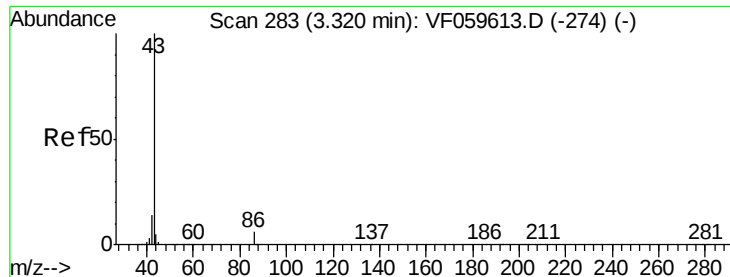
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 200.47 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 648312

Ion Ratio Lower Upper

43 100

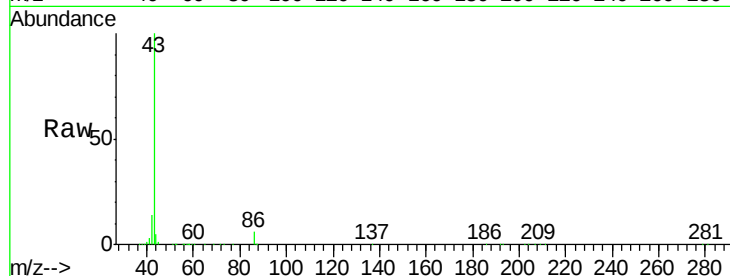
86 5.7 4.6 6.8

Manual Integrations

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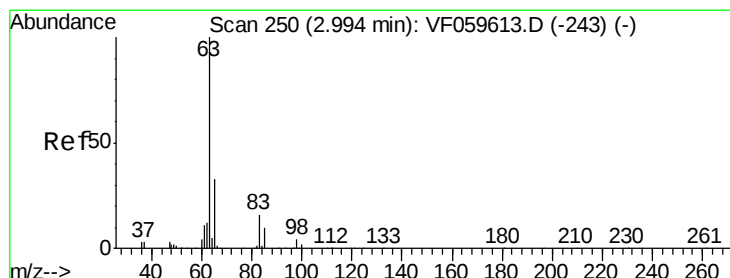
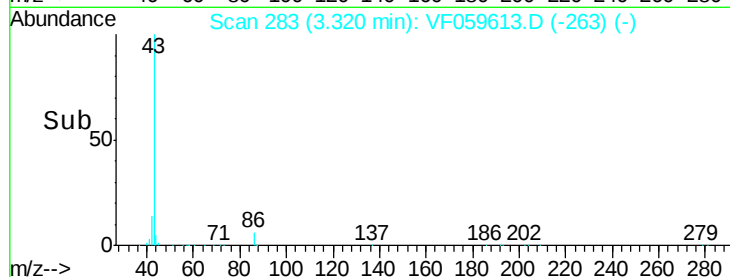
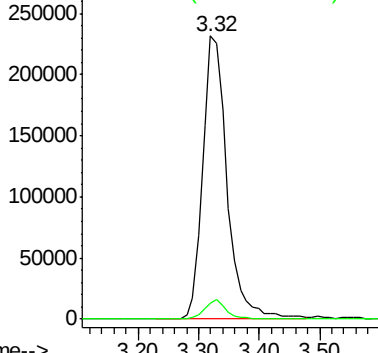
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 48.32 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

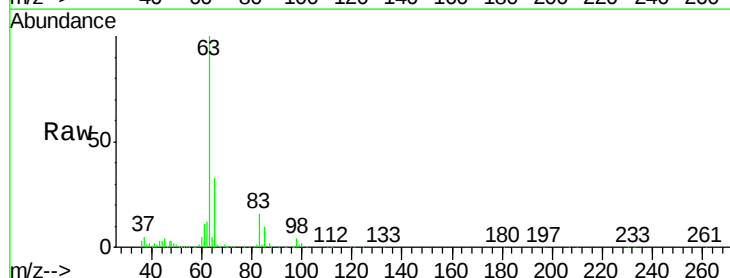
Tgt Ion: 63 Resp: 172056

Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

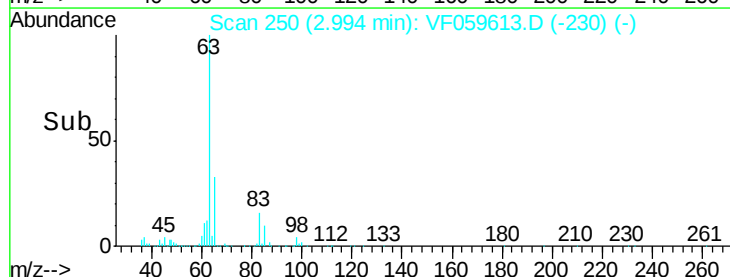
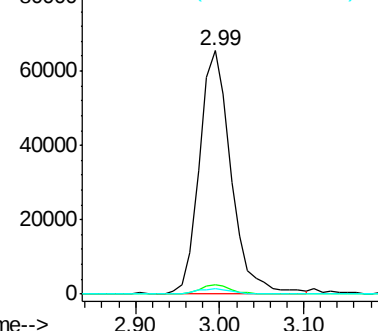
100 2.4 1.2 3.6

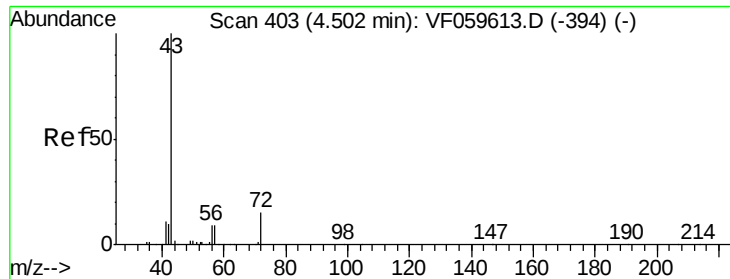


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 196.07 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 147963

Ion Ratio Lower Upper

43 100

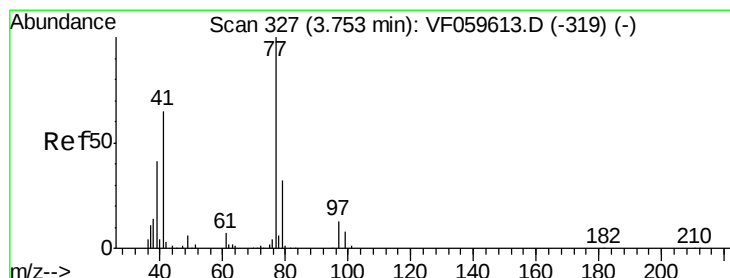
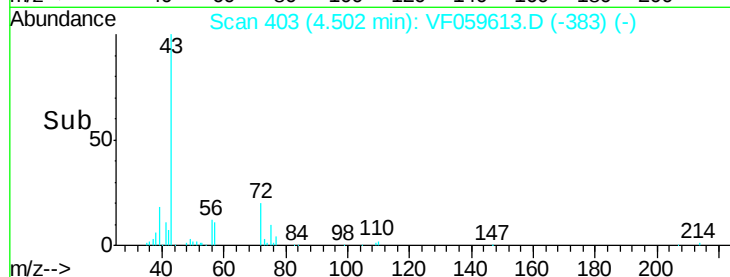
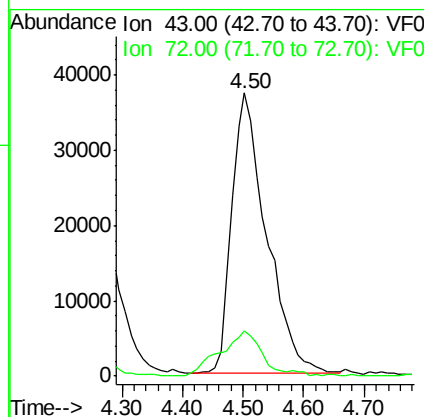
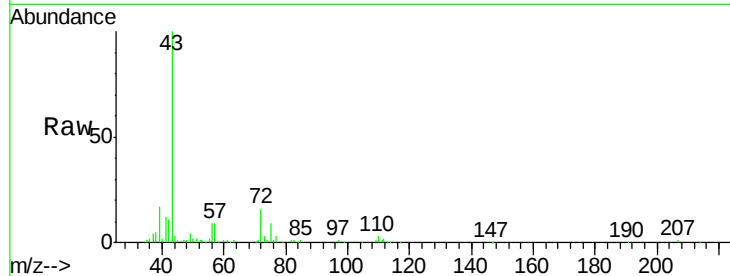
72 16.1 12.9 19.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 61.22 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059613.D

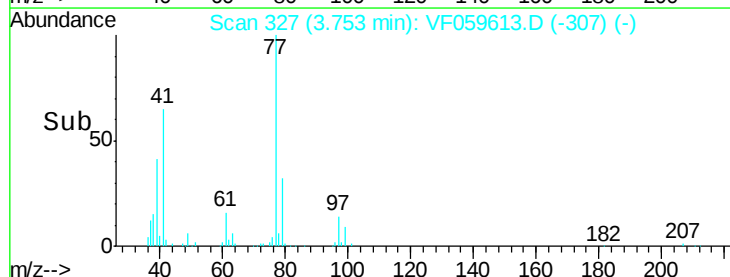
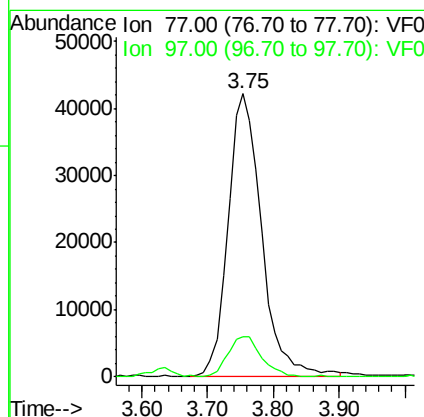
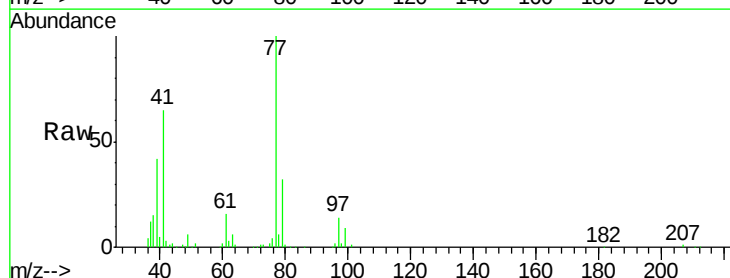
Acq: 23 Jul 2018 14:19

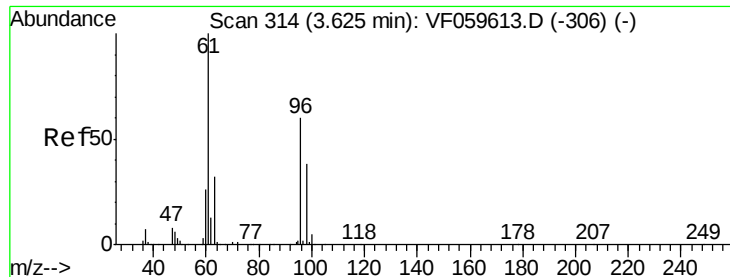
Tgt Ion: 77 Resp: 151147

Ion Ratio Lower Upper

77 100

97 14.2 7.1 21.3





#27

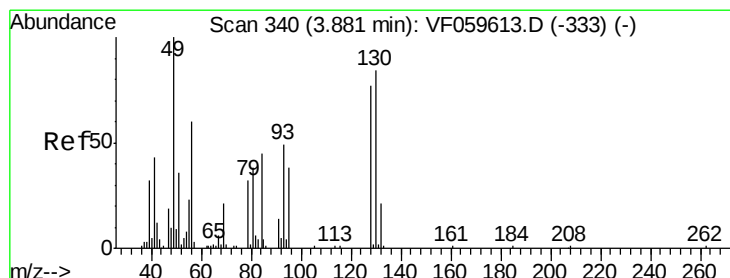
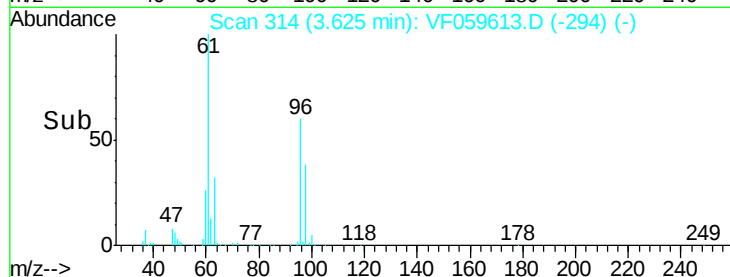
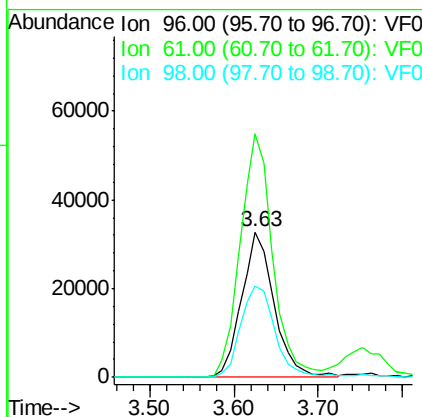
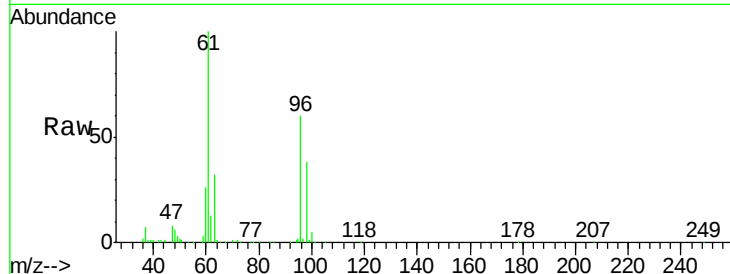
cis-1,2-Dichloroethene
Concen: 50.35 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	167.6	0.0	335.2	
98	63.3	0.0	126.6	

Manual Integrations
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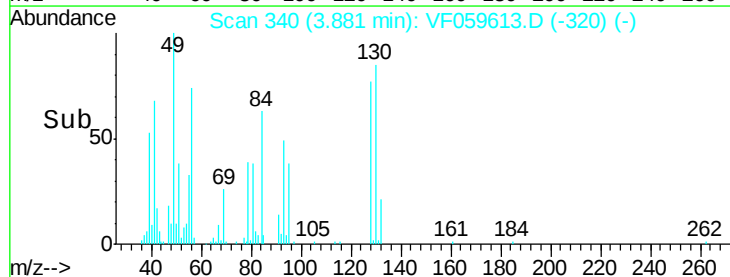
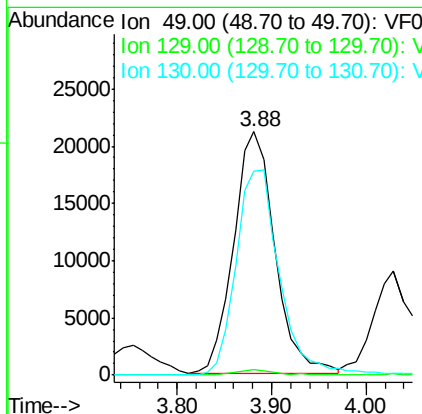
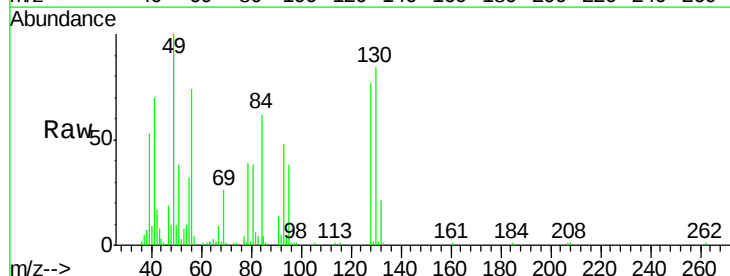
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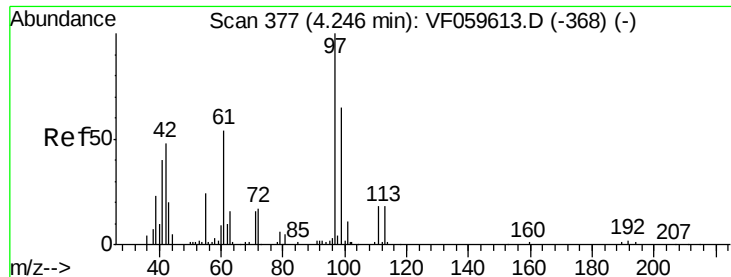


#28

Bromochloromethane
Concen: 42.83 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	83.9	67.1	100.7	





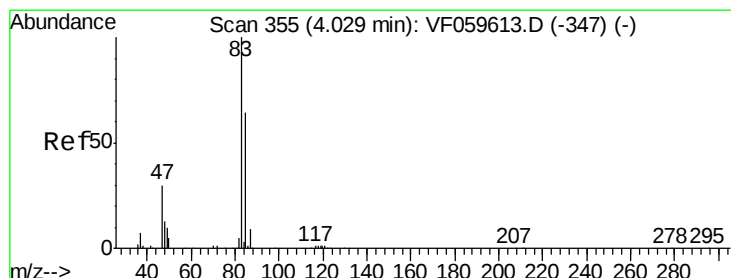
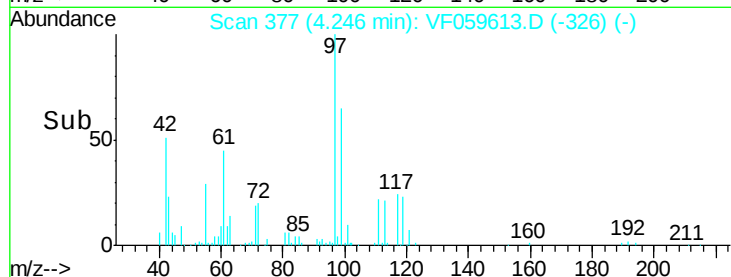
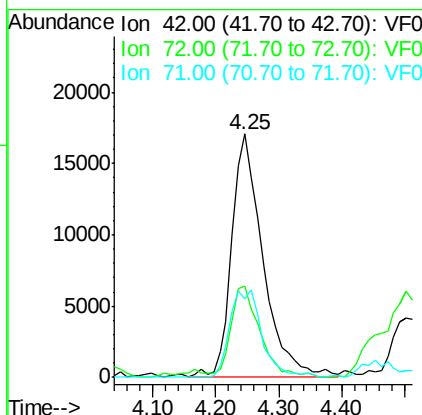
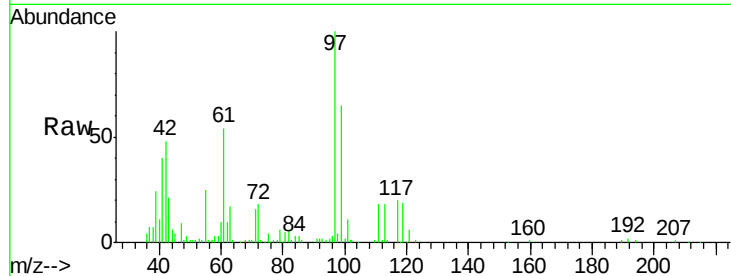
#29
Tetrahydrofuran
Concen: 172.80 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	34.9		27.9	41.9
71	36.6		29.3	43.9

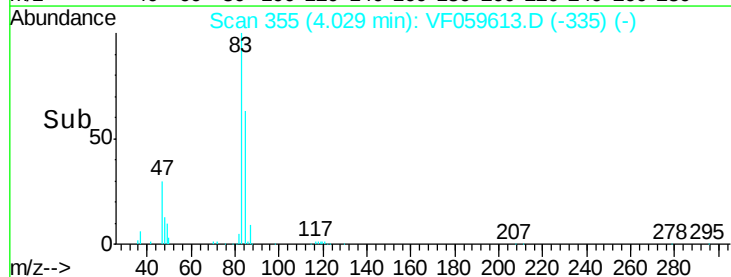
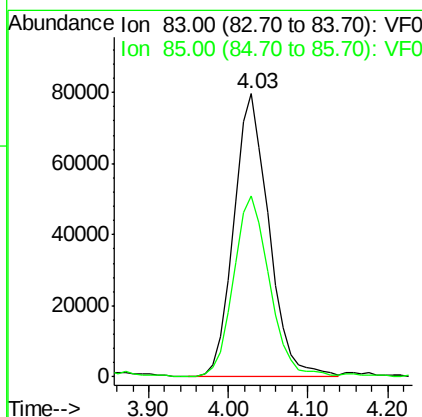
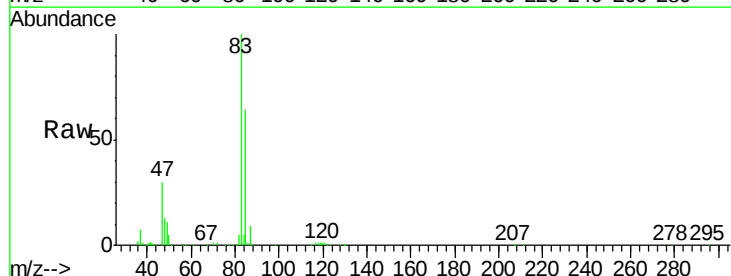
Manual Integrations
APPROVED

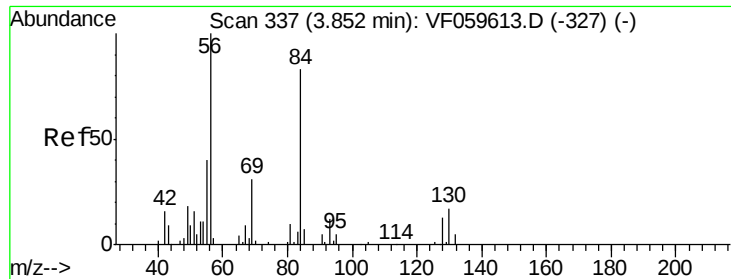
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#30
Chloroform
Concen: 47.74 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.9		51.1	76.7





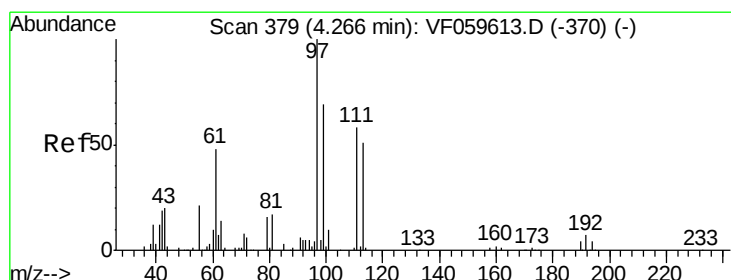
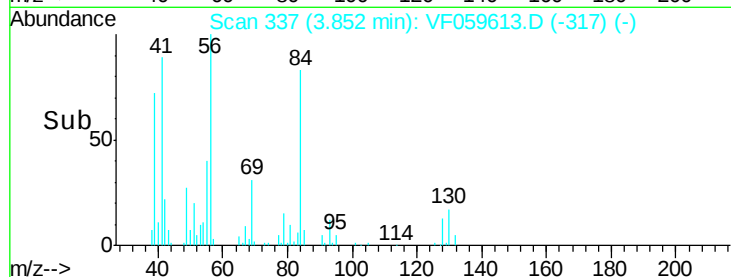
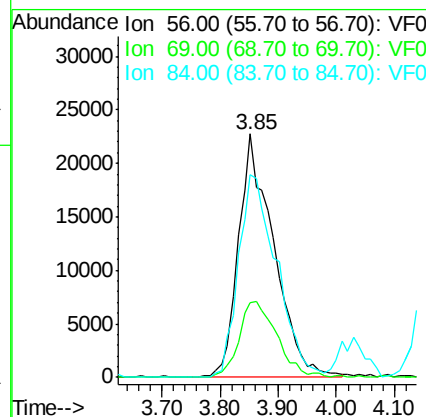
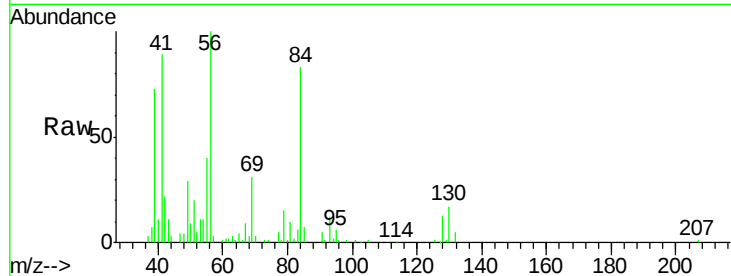
#31
Cyclohexane
Concen: 50.75 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	37.0
84	83.2	66.6	99.8

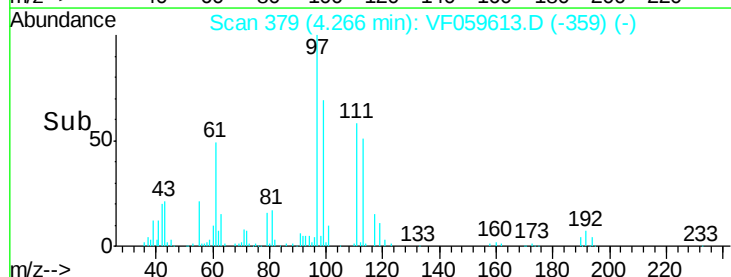
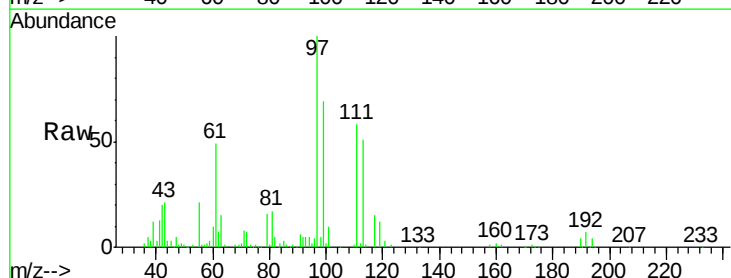
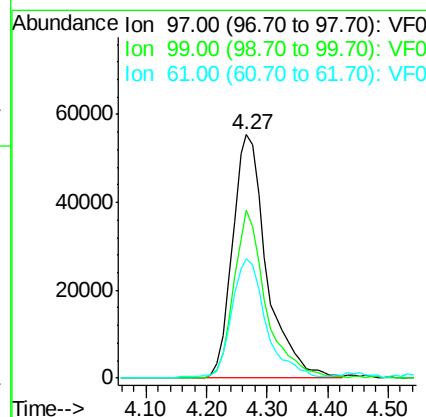
Manual Integrations
APPROVED

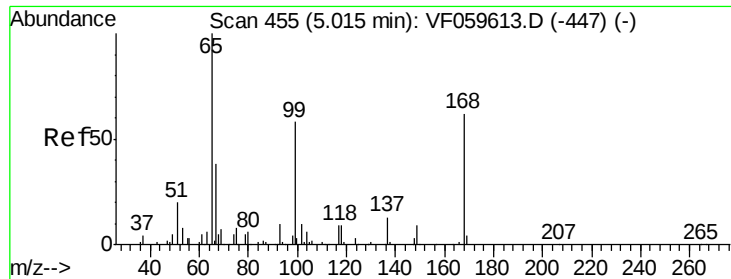
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#32
1,1,1-Trichloroethane
Concen: 61.83 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.3	55.4	83.2
61	49.1	39.3	58.9





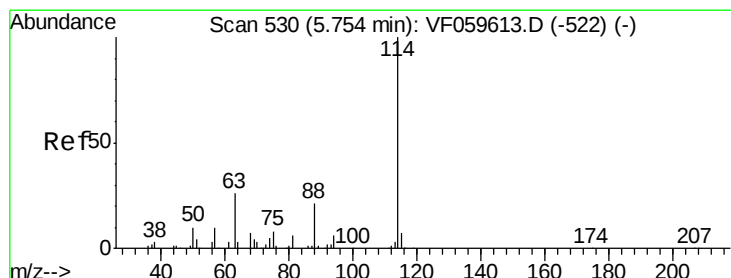
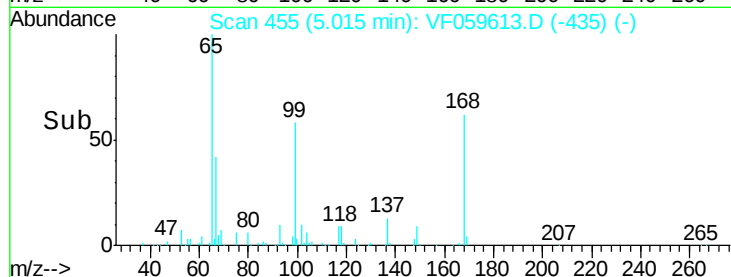
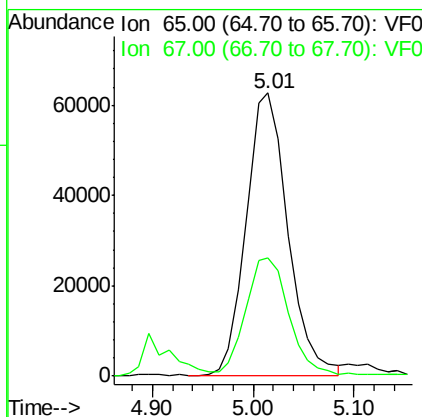
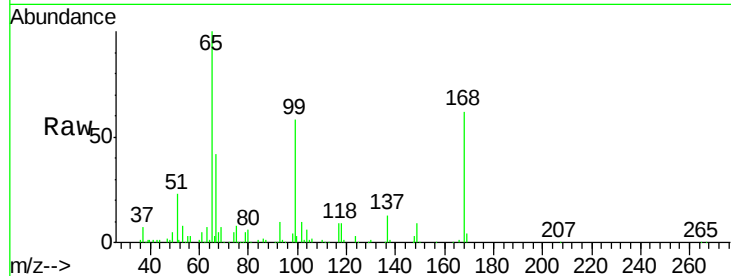
#33
 1,2-Dichloroethane-d4
 Concen: 52.73 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp Lower	Upper
65	100		
67	41.9	0.0	83.8

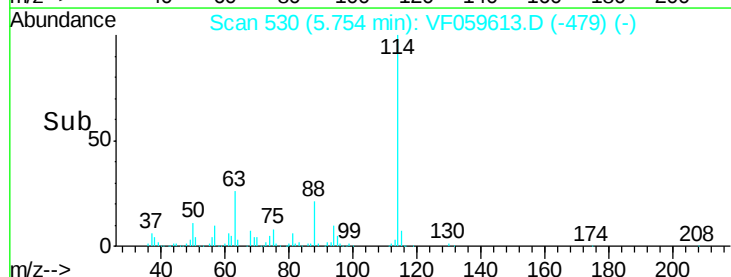
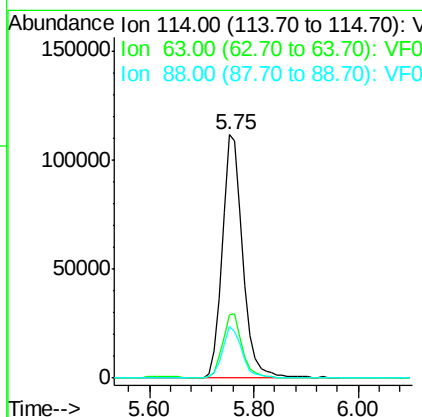
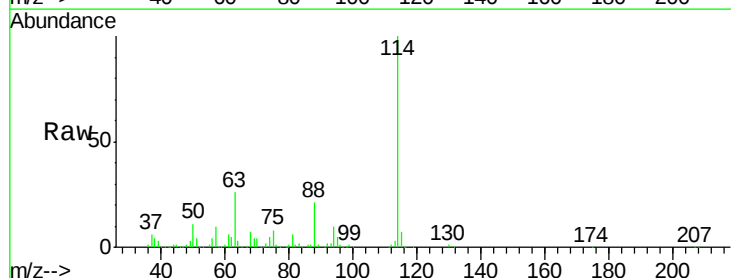
Manual Integrations
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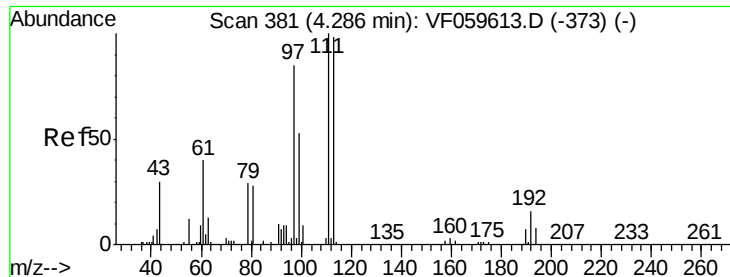
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Resp Lower	Upper
114	100		
63	25.9	0.0	51.8
88	21.4	0.0	42.8





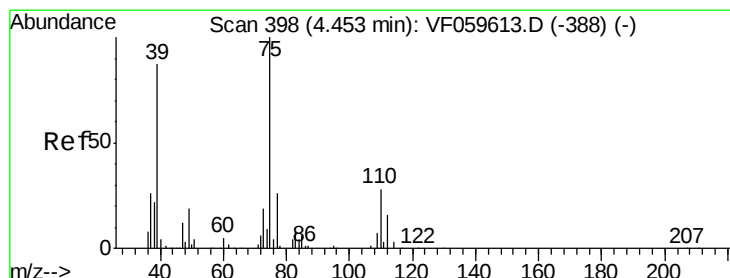
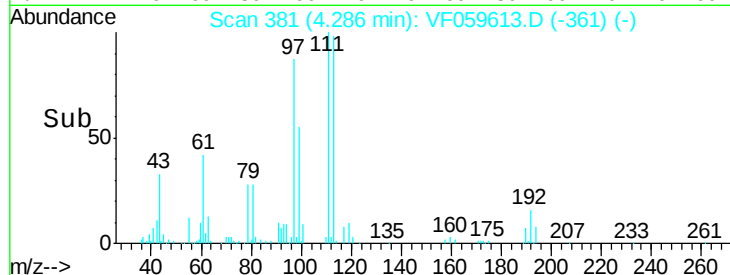
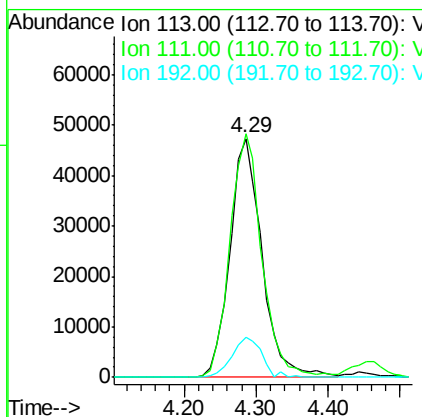
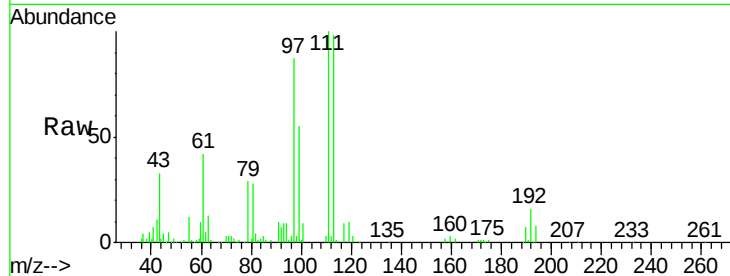
#35
 Dibromofluoromethane
 Concen: 54.96 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.5	122.3
192	16.8	13.4	20.2

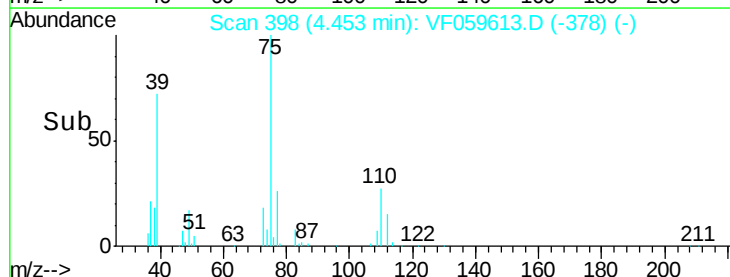
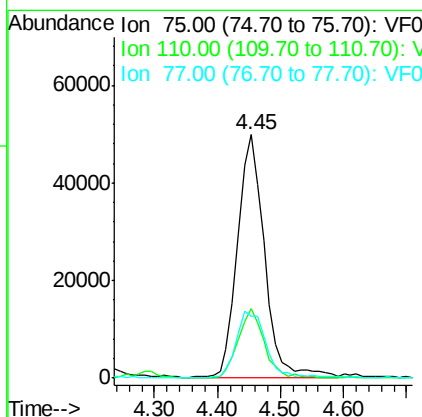
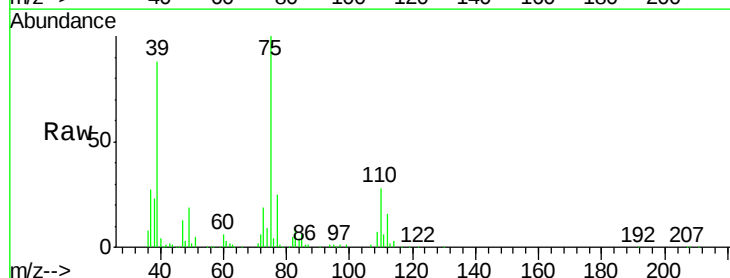
Manual Integrations
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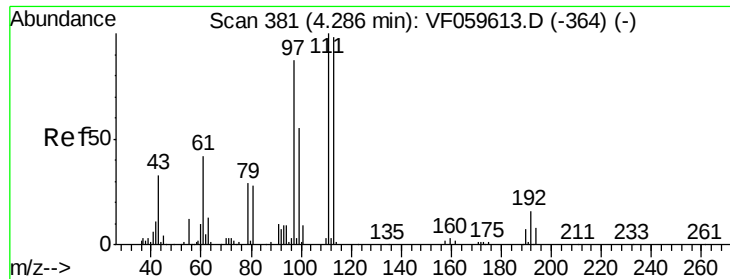
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#36
 1,1-Dichloropropene
 Concen: 48.09 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.4	14.2	42.6
77	25.4	20.3	30.5





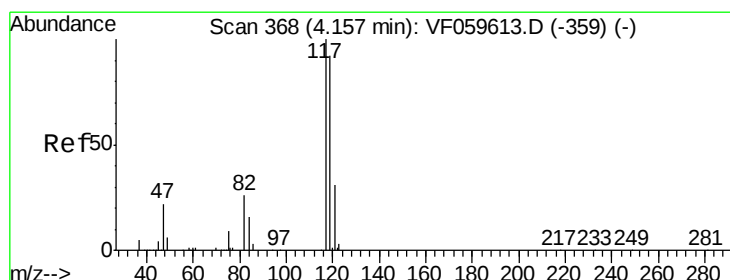
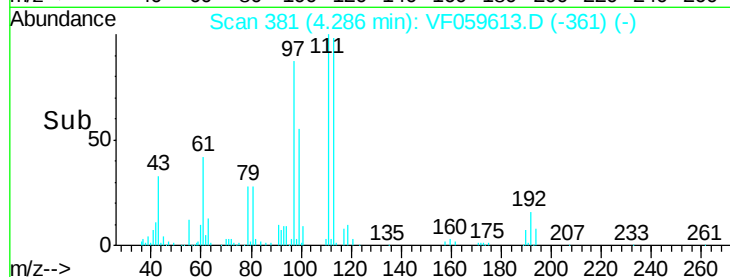
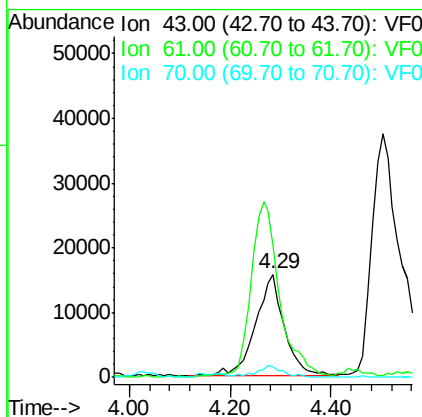
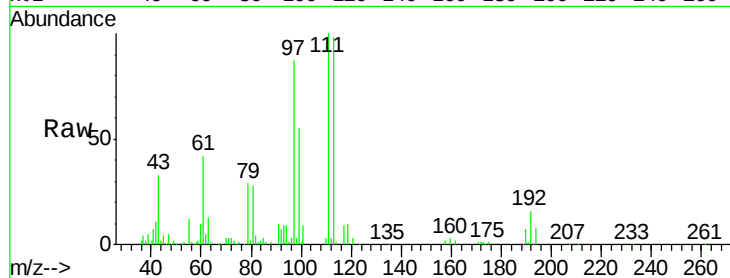
#37
Ethyl Acetate
Concen: 35.99 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	127.4	101.9	152.9
70	9.9	7.9	11.9

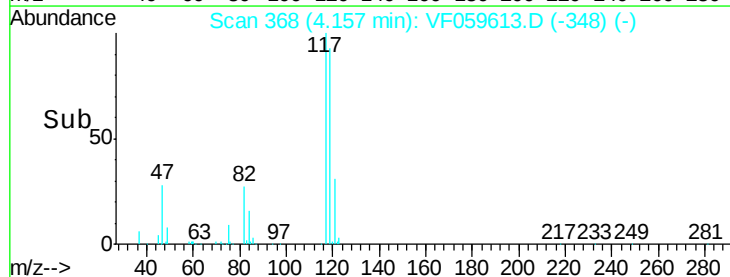
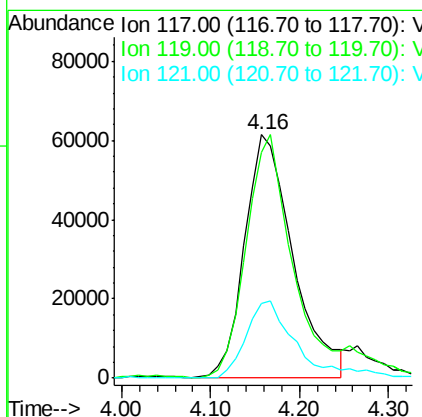
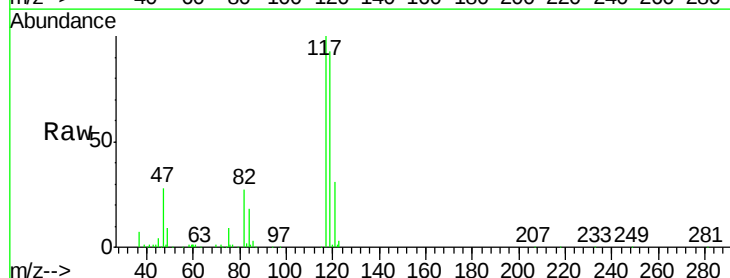
Manual Integrations
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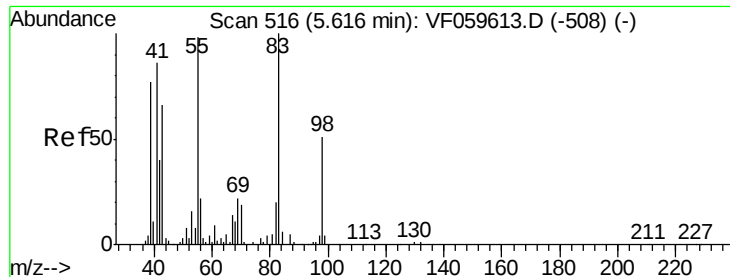
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#38
Carbon Tetrachloride
Concen: 61.18 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	74.2	111.4
121	30.9	24.7	37.1





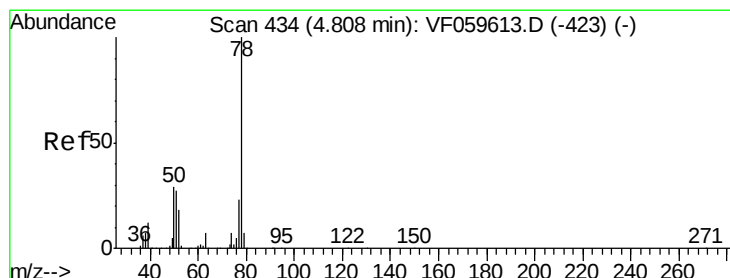
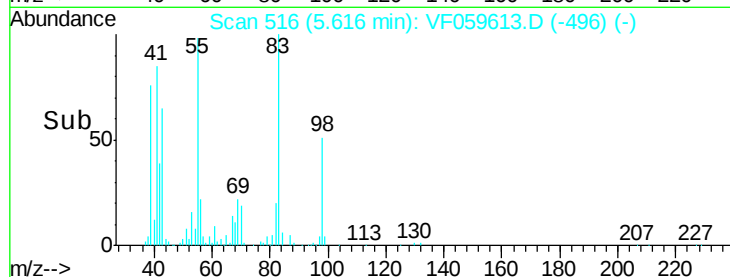
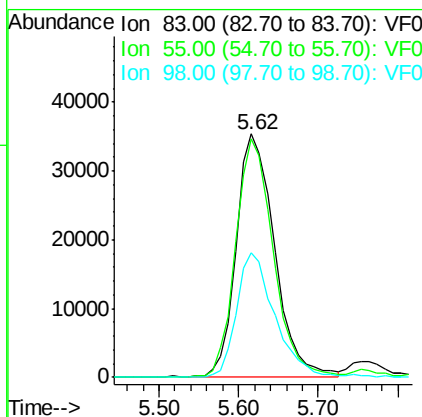
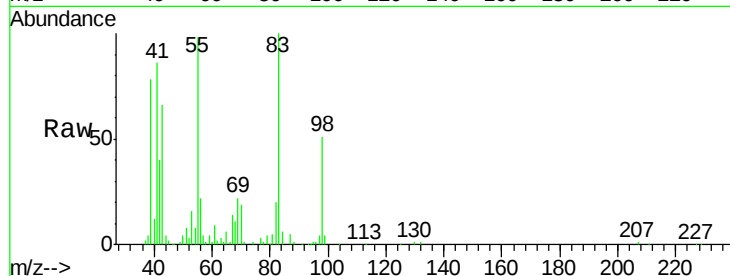
#39
Methvlcvclohexane
Concen: 50.17 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.1	78.5	117.7
98	51.4	41.1	61.7

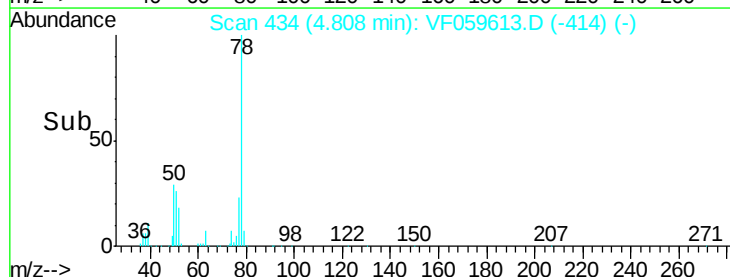
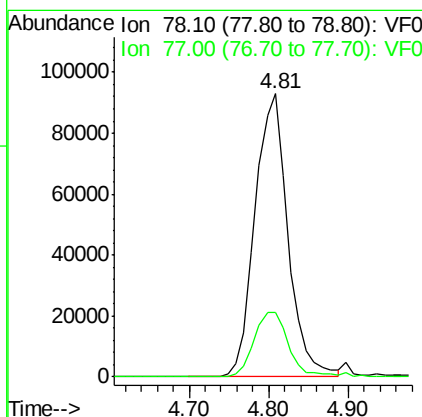
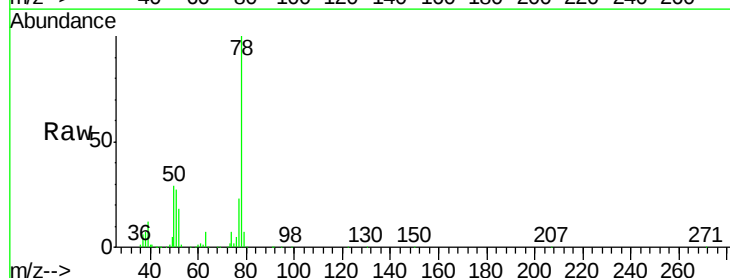
Manual Integrations
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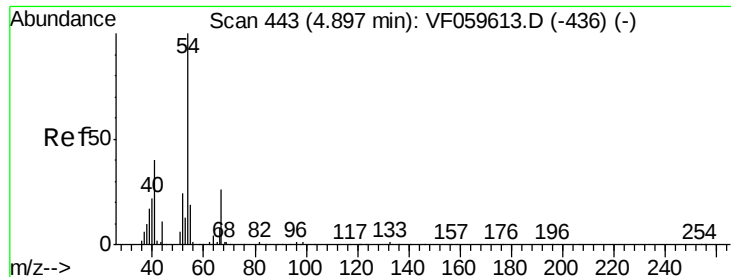
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#40
Benzene
Concen: 45.32 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6





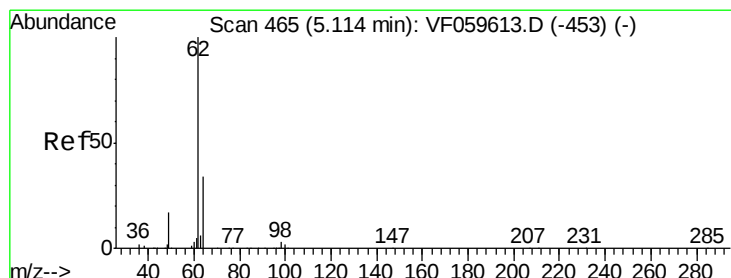
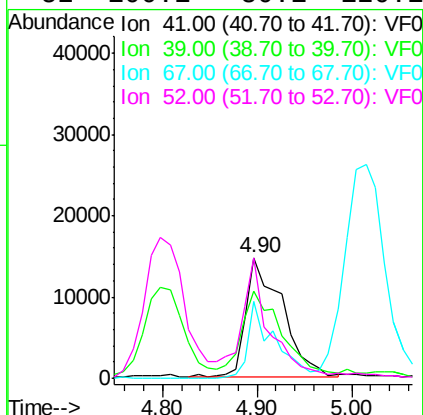
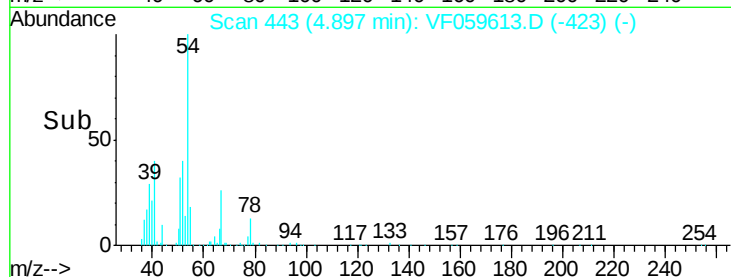
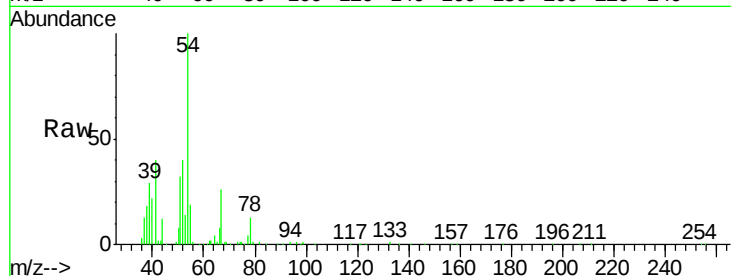
#41
Methacrylonitrile
Concen: 45.66 ug/l
RT: 4.90 min Scan# 443
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.8	58.2	87.4
67	63.8	51.0	76.6
52	100.1	80.1	120.1

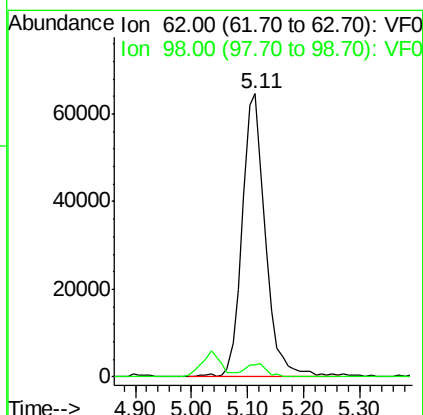
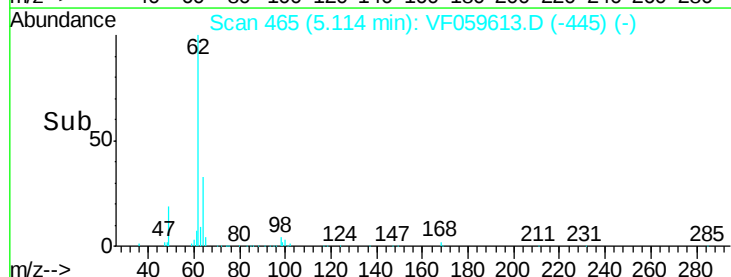
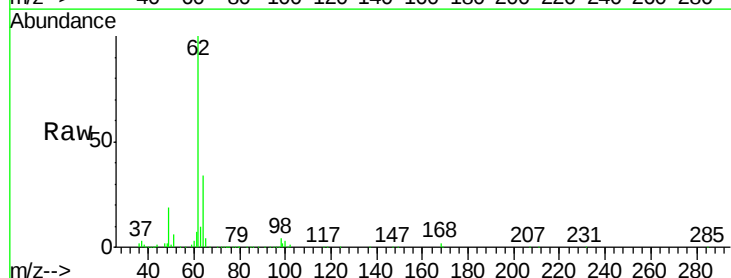
Manual Integrations
APPROVED

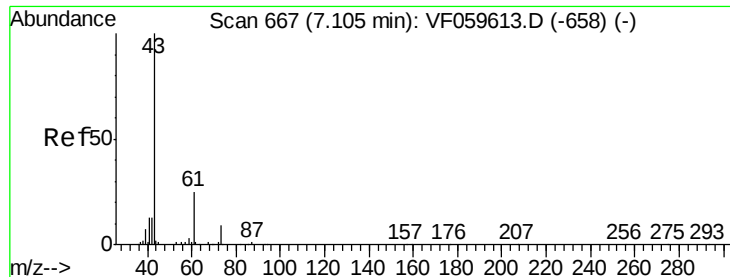
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#42
1,2-Dichloroethane
Concen: 48.02 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.2	0.0	8.4





#43

Isopropyl Acetate

Concen: 39.42 ug/l

RT: 7.10 min Scan# 667

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

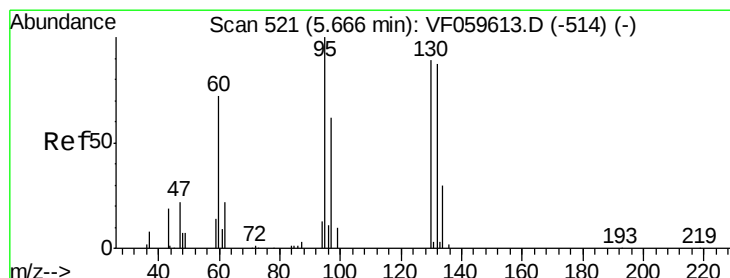
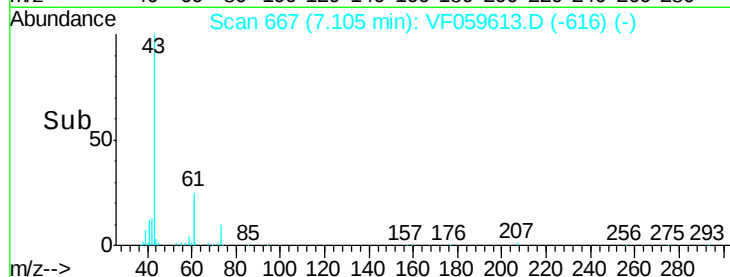
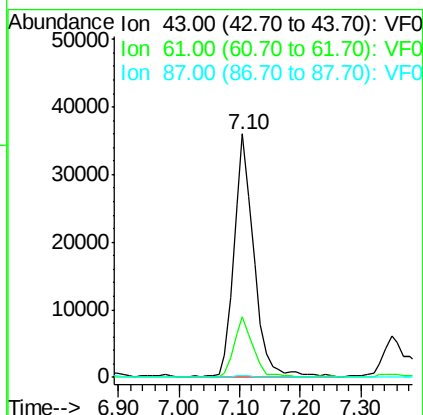
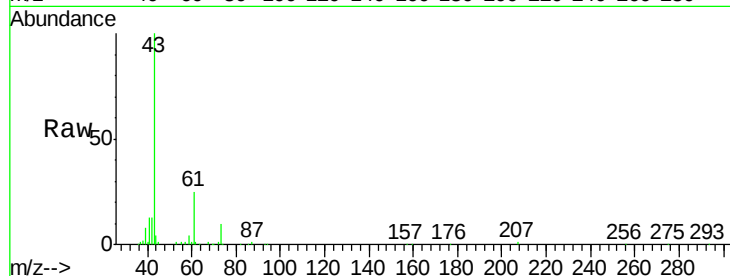
VSTDICCC050

Tot Ion:	43	Resp:	82986
Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.1	30.1
87	0.6	0.5	0.7

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#44

Trichloroethene

Concen: 48.56 ug/l

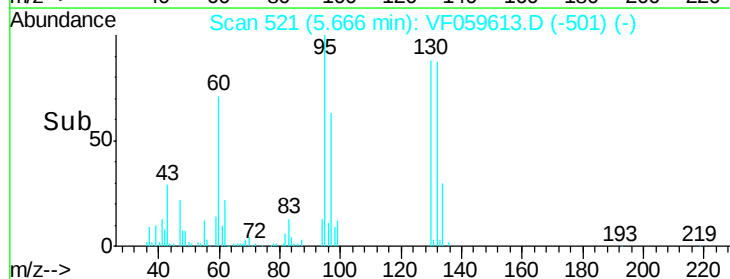
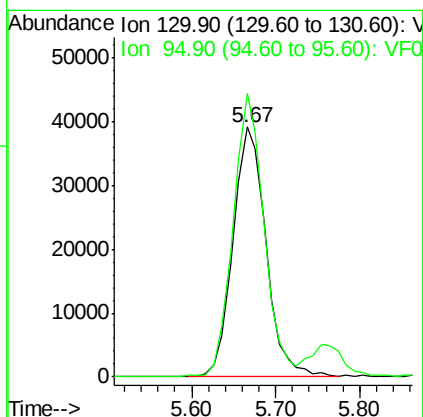
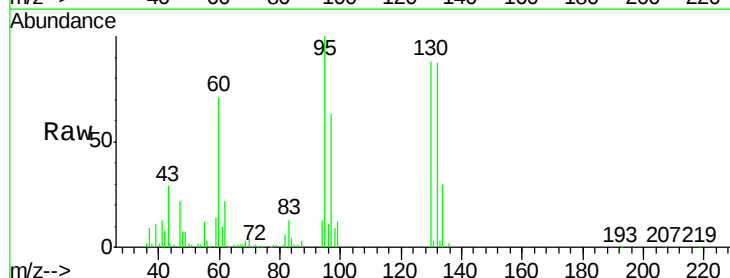
RT: 5.67 min Scan# 521

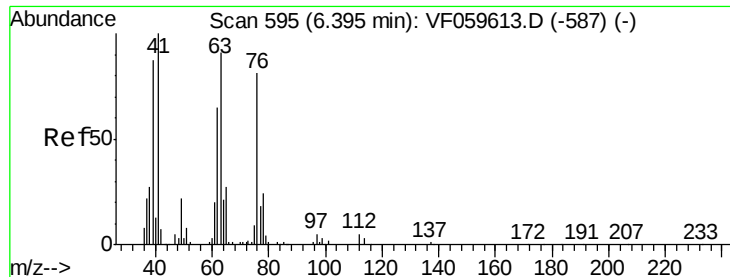
Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Tgt Ion:	130	Resp:	106817
Ion	Ratio	Lower	Upper
130	100		
95	113.2	0.0	226.4





#45

1,2-Dichloropropane

Concen: 46.31 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 75016

Ion Ratio Lower Upper

63 100

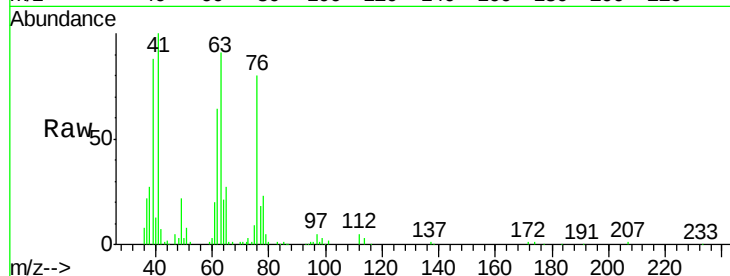
65 29.2 23.4 35.0

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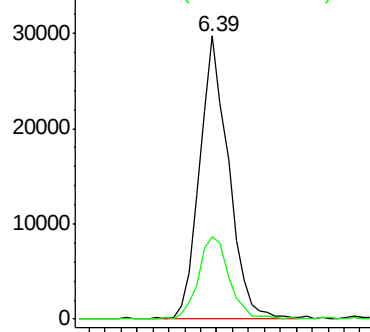
apatel

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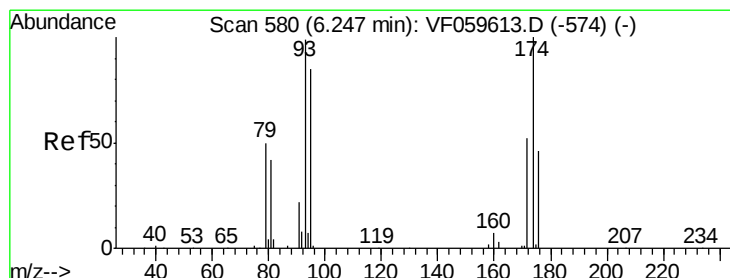
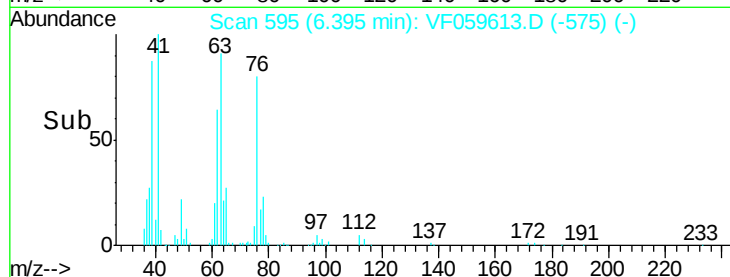


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



Time-->



#46

Dibromomethane

Concen: 45.71 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

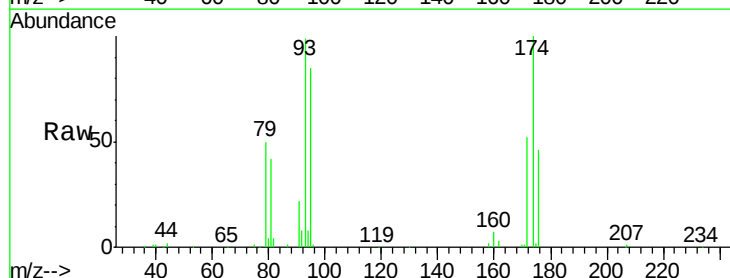
Tgt Ion: 93 Resp: 67313

Ion Ratio Lower Upper

93 100

95 85.7 68.6 102.8

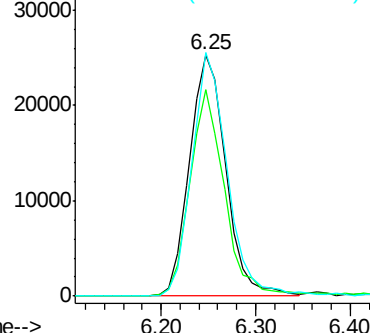
174 101.0 80.8 121.2



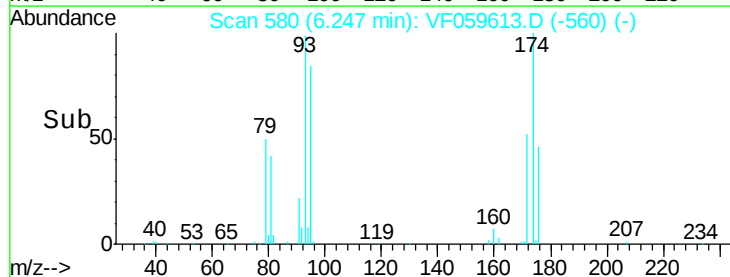
Abundance Ion 93.00 (92.70 to 93.70): VF0

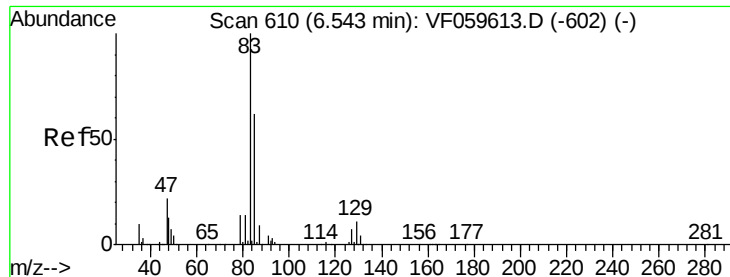
Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



Time-->





#47

Bromodichloromethane

Concen: 51.33 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

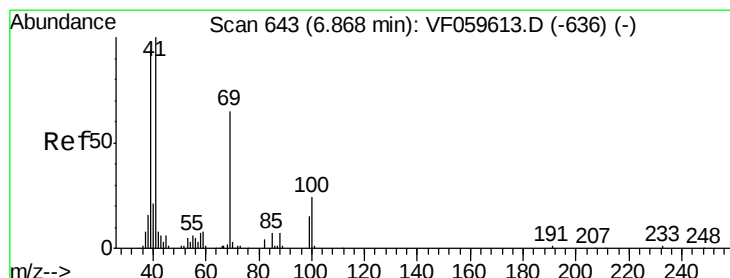
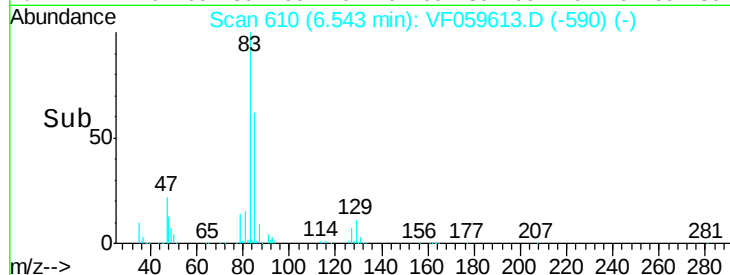
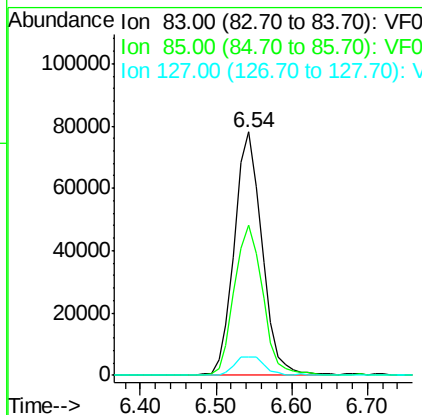
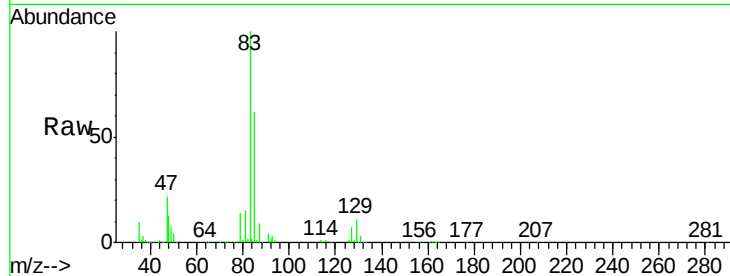
VSTDICCC050

Tot Ion:	83	Resp:	198581
Ion	Ratio	Lower	Upper
83	100		
85	61.7	49.4	74.0
127	7.4	5.9	8.9

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#48

Methyl methacrylate

Concen: 39.46 ug/l

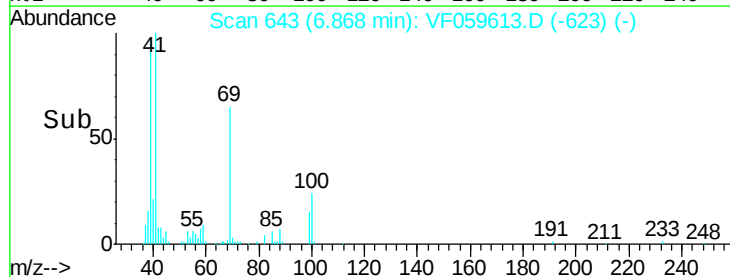
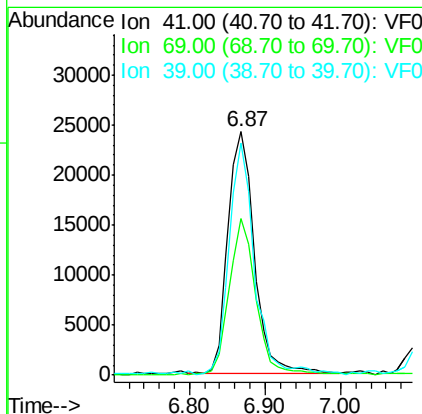
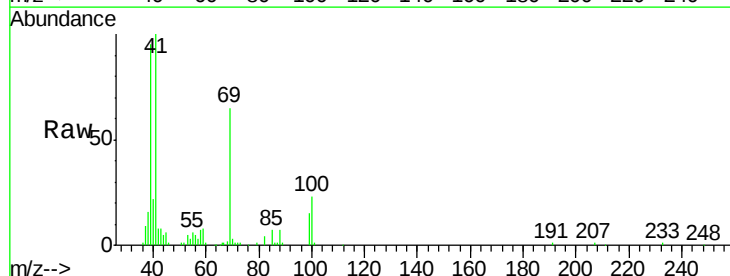
RT: 6.87 min Scan# 643

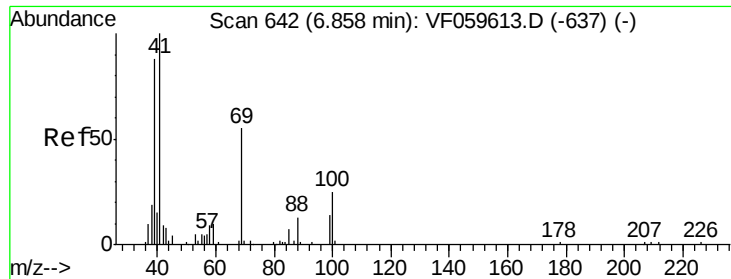
Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Tgt Ion:	41	Resp:	59078
Ion	Ratio	Lower	Upper
41	100		
69	64.5	51.6	77.4
39	95.4	76.3	114.5





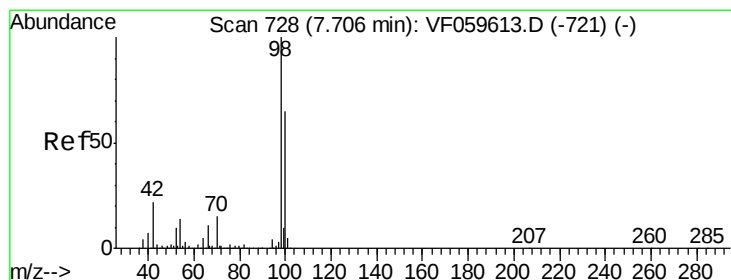
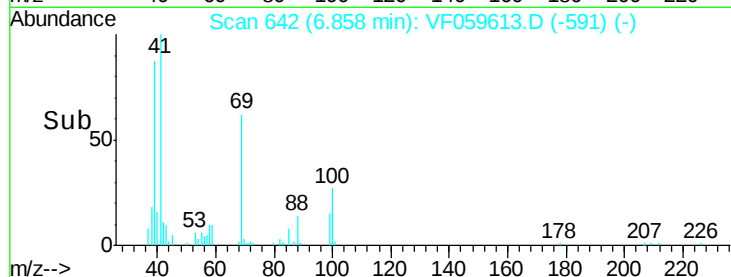
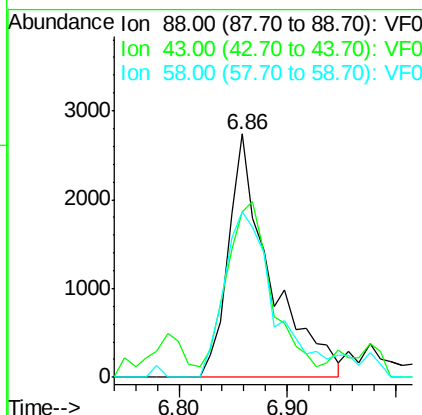
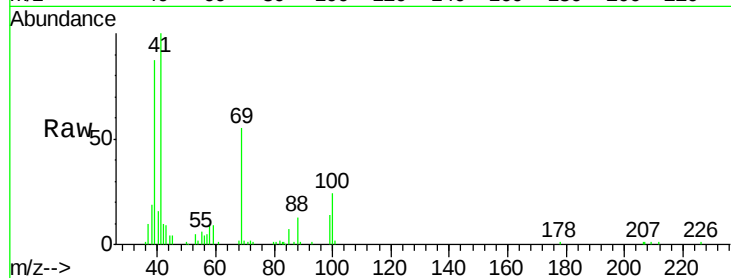
#49
1,4-Dioxane
Concen: 1068.68 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	67.8	54.2	81.4
58	67.9	54.3	81.5

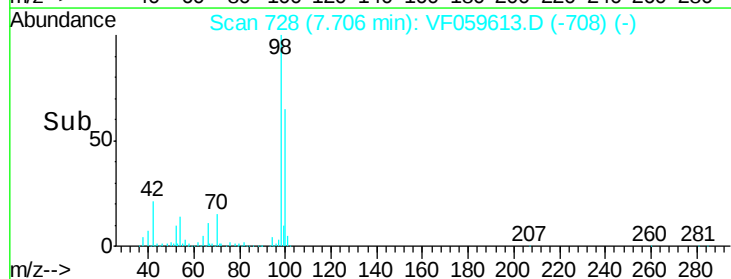
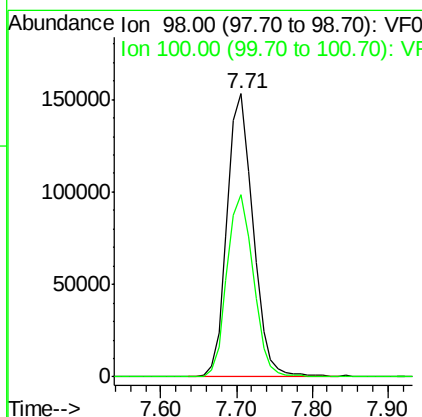
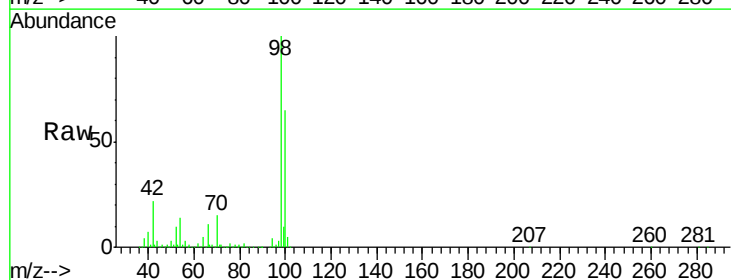
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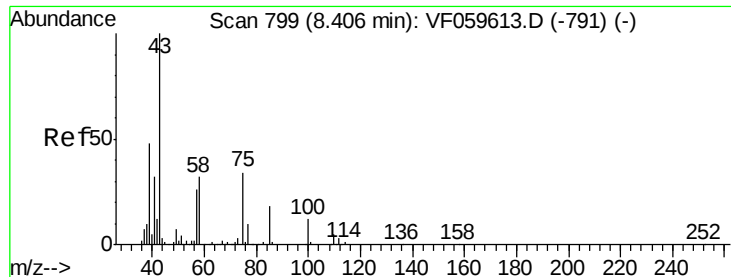
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#50
Toluene-d8
Concen: 54.47 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 190.31 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 280776

Ion Ratio Lower Upper

43 100

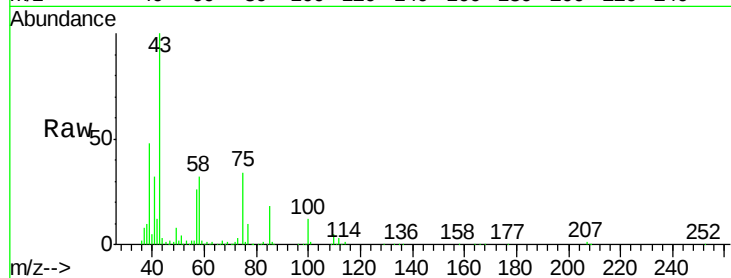
58 32.2 25.8 38.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

120000

100000

80000

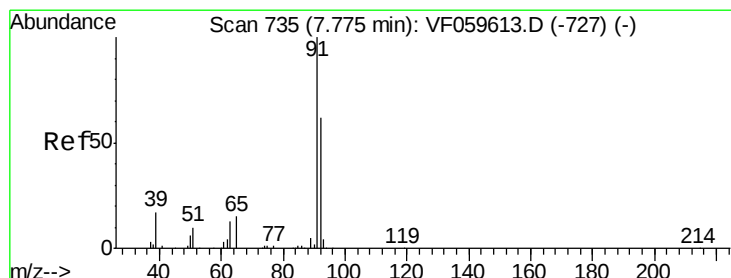
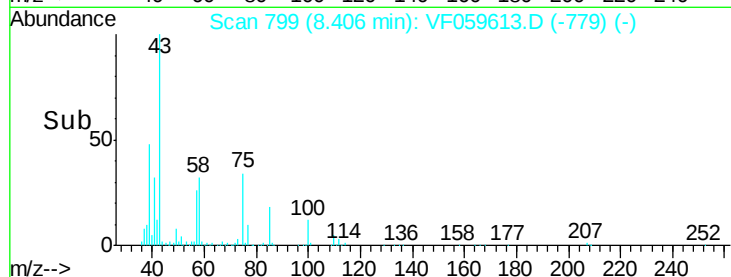
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 46.59 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059613.D

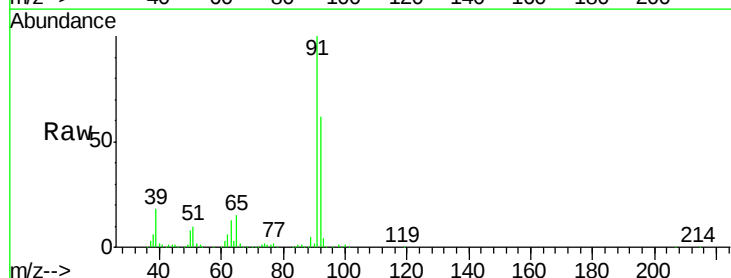
Acq: 23 Jul 2018 14:19

Tgt Ion: 92 Resp: 199764

Ion Ratio Lower Upper

92 100

91 162.3 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

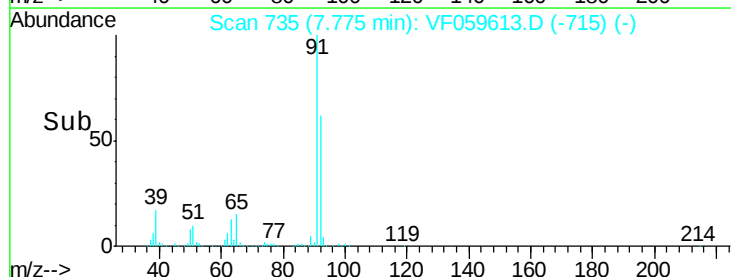
150000

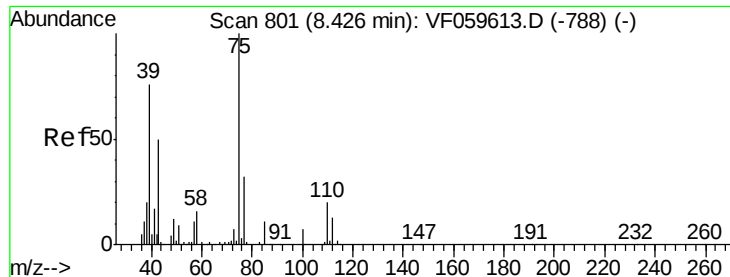
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.82 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 163959

Ion Ratio Lower Upper

75 100

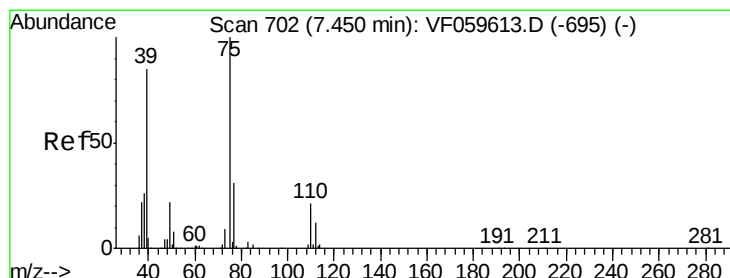
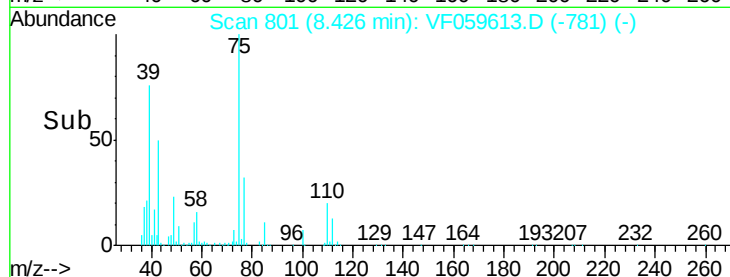
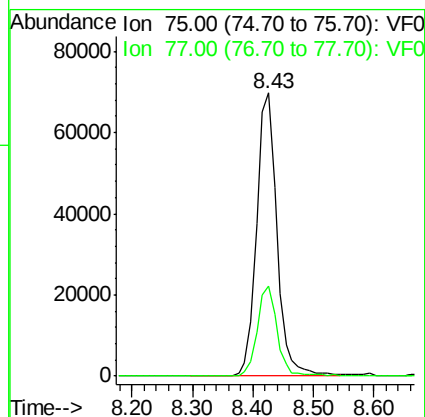
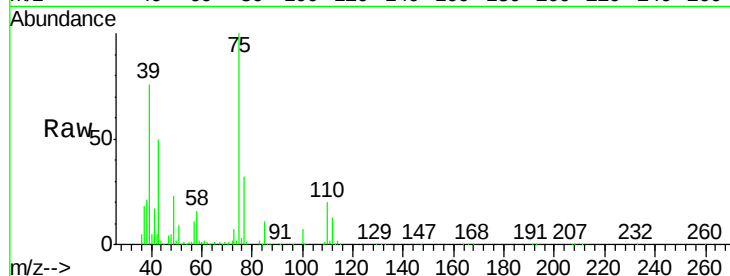
77 32.0 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 47.79 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

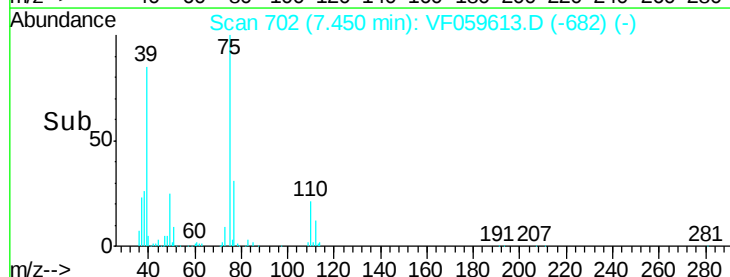
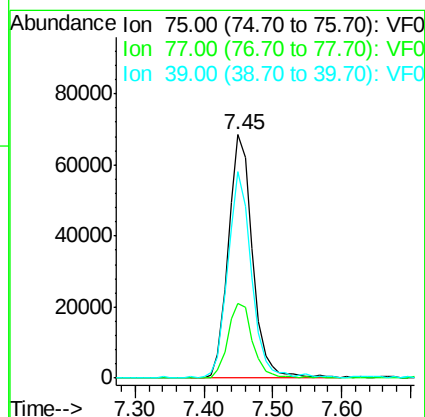
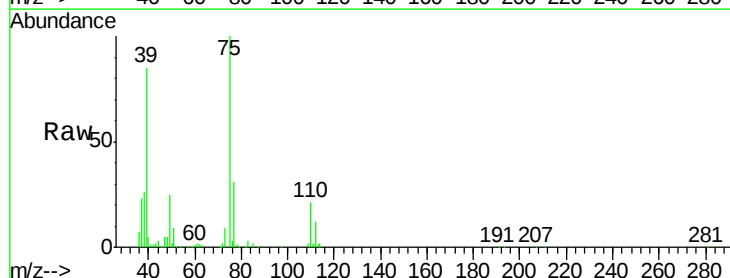
Tgt Ion: 75 Resp: 166569

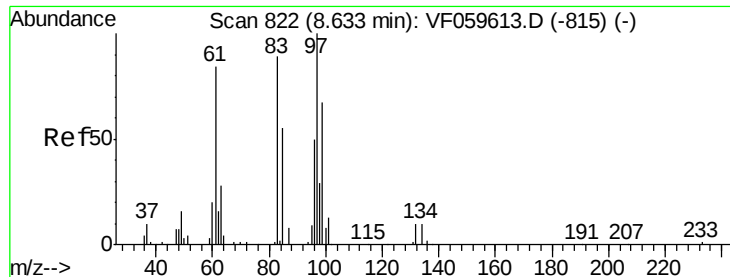
Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0

39 84.7 67.8 101.6





#55

1,1,2-Trichloroethane

Concen: 45.85 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

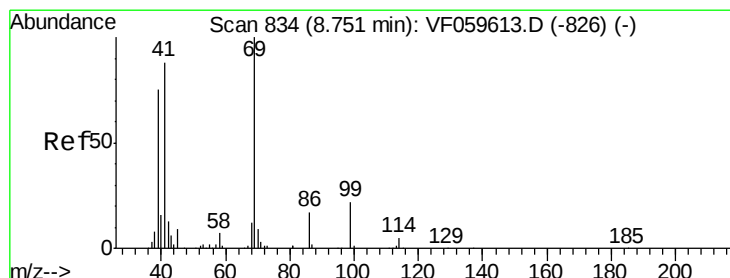
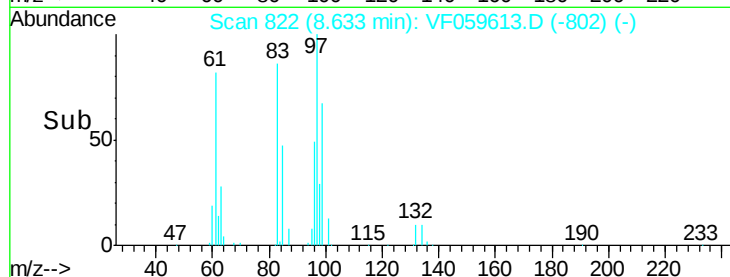
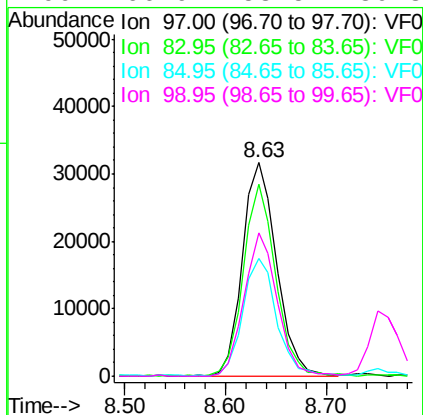
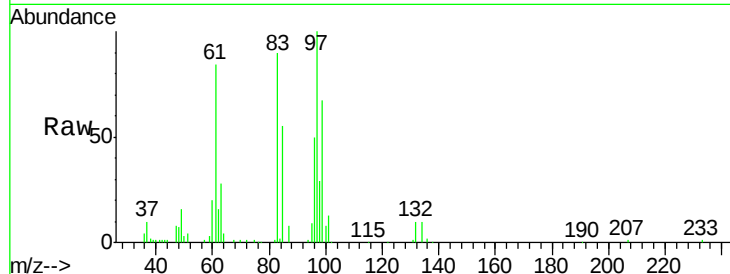
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	74674
Ion	Ratio	Lower	Upper
97	100		
83	89.7	71.8	107.6
85	54.9	43.9	65.9
99	66.9	53.5	80.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 42.34 ug/l

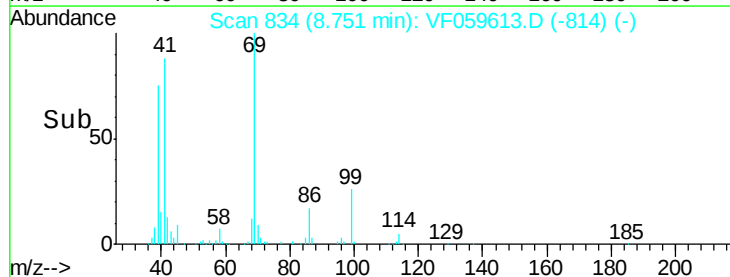
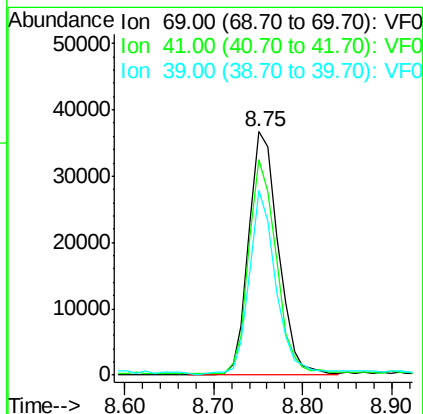
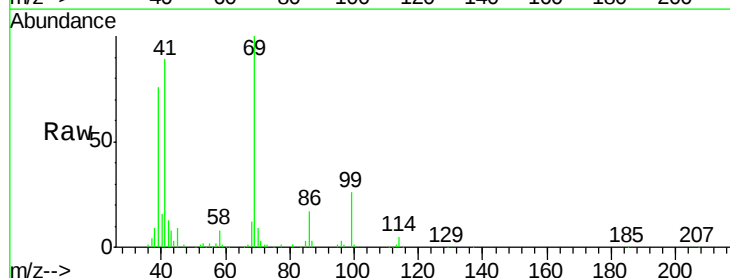
RT: 8.75 min Scan# 834

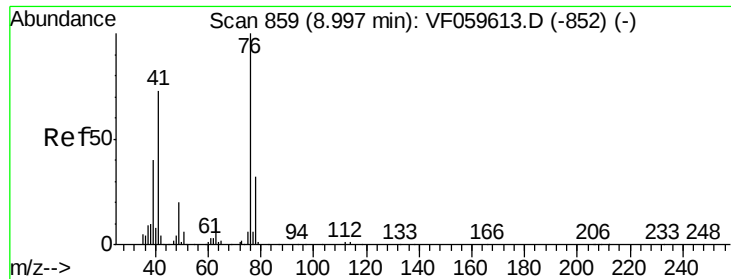
Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Tgt Ion:	69	Resp:	84258
Ion	Ratio	Lower	Upper
69	100		
41	88.5	70.8	106.2
39	75.9	60.7	91.1





#57

1,3-Dichloropropane

Concen: 43.70 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 126138

Ion Ratio Lower Upper

76 100

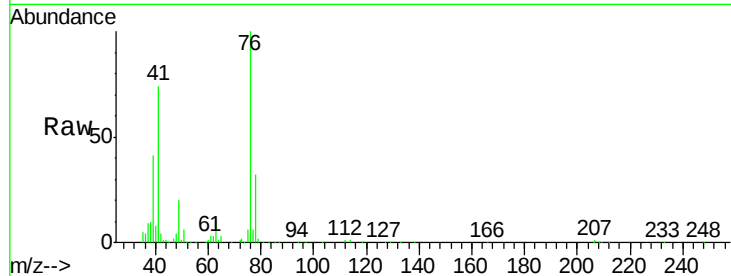
78 31.6 25.3 37.9

Manual Integrations

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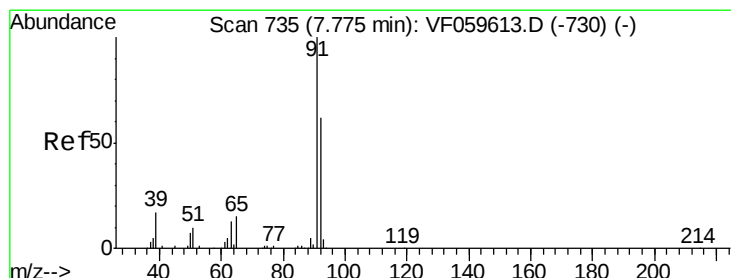
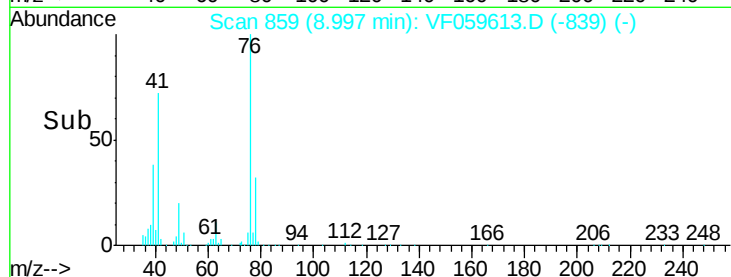
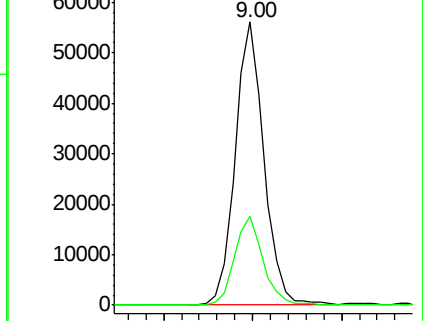
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 249.63 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059613.D

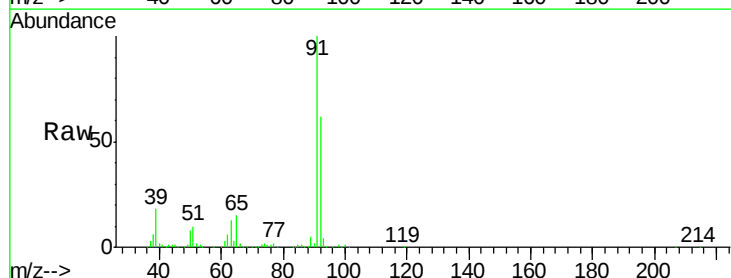
Acq: 23 Jul 2018 14:19

Tgt Ion: 63 Resp: 45732

Ion Ratio Lower Upper

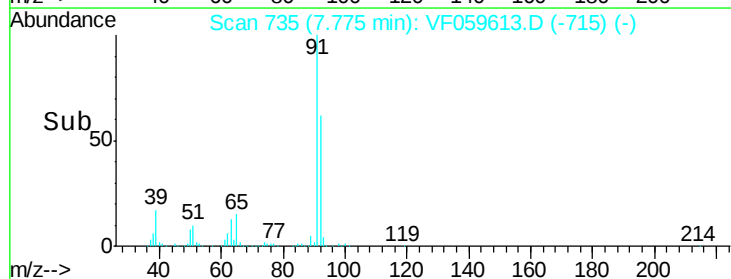
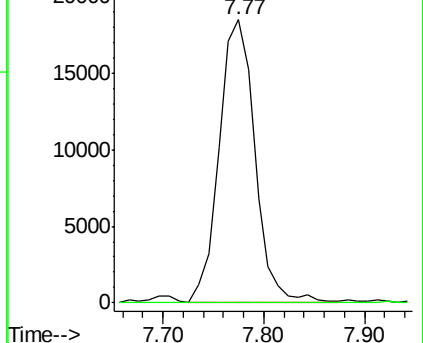
63 100

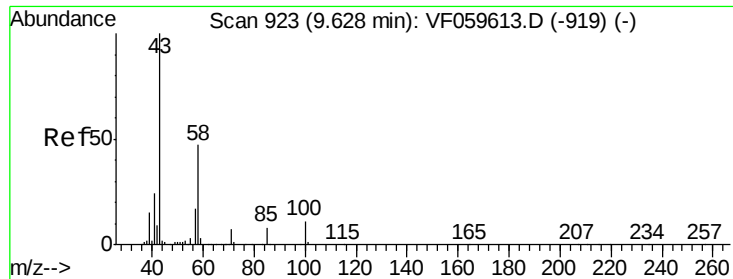
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





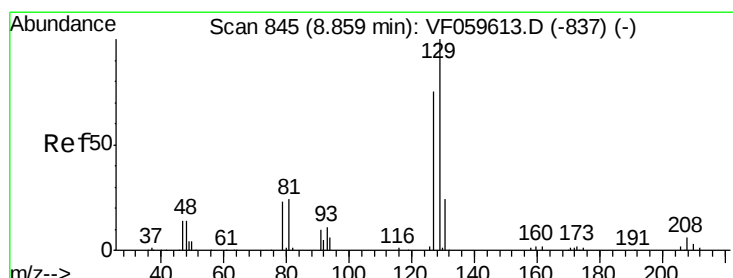
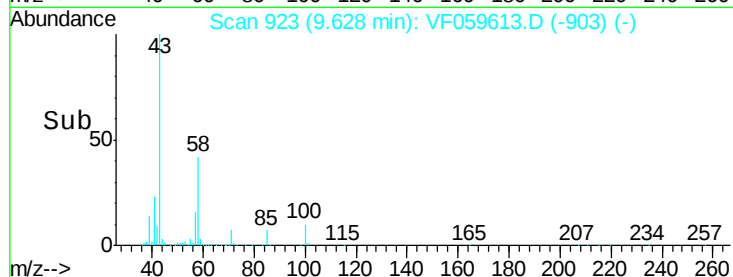
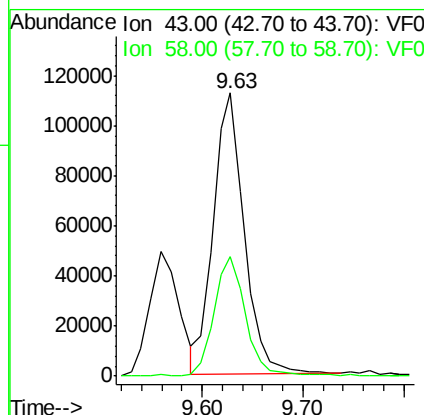
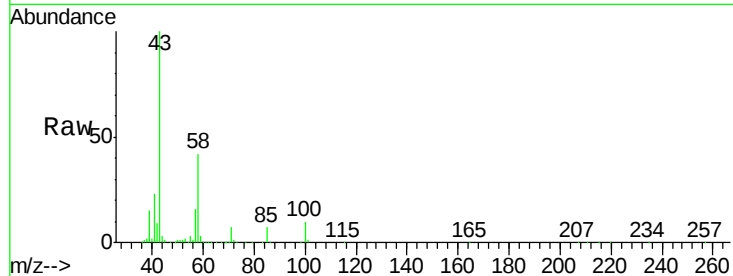
#59
2-Hexanone
Concen: 212.72 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.3	21.1	63.4

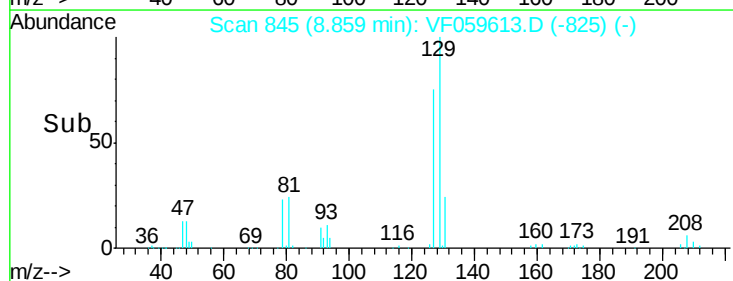
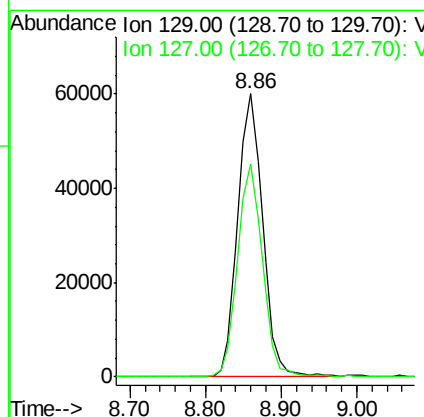
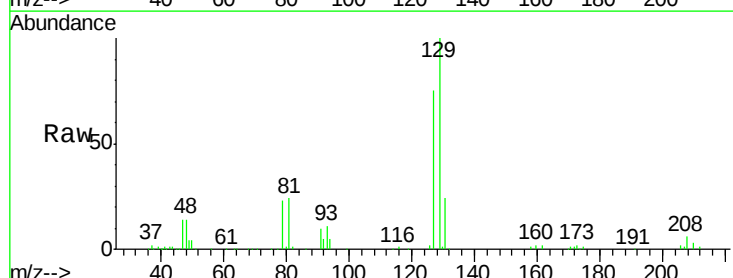
Manual Integrations
APPROVED

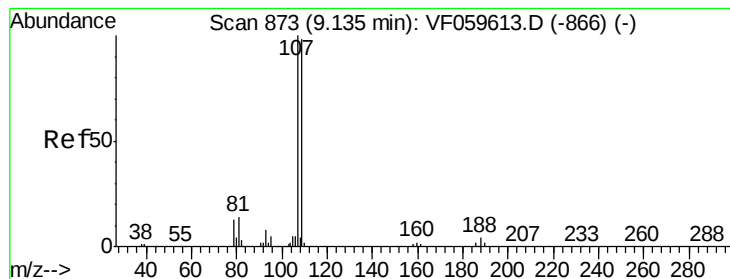
apatel
7/24/2018 1:13:36 PM



#60
Dibromochloromethane
Concen: 49.32 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.1	37.5	112.7





#61

1,2-Dibromoethane

Concen: 44.03 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 89254

Ion Ratio Lower Upper

107 100

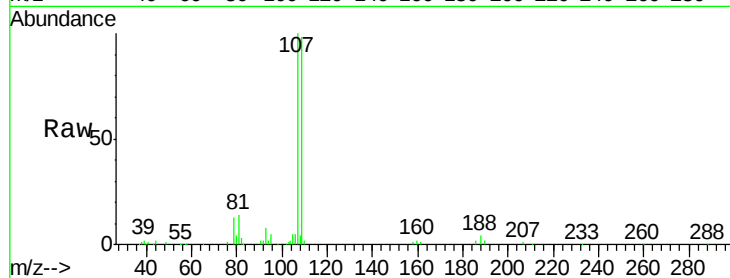
109 97.8 78.2 117.4

Manual Integrations

APPROVED

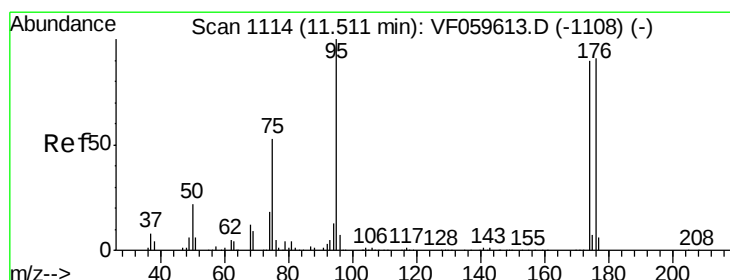
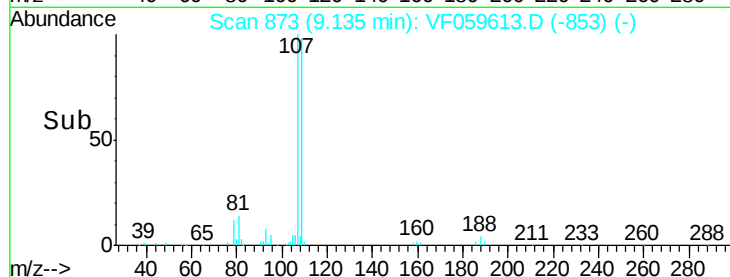
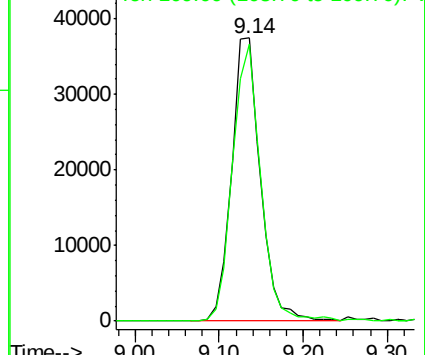
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 57.42 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

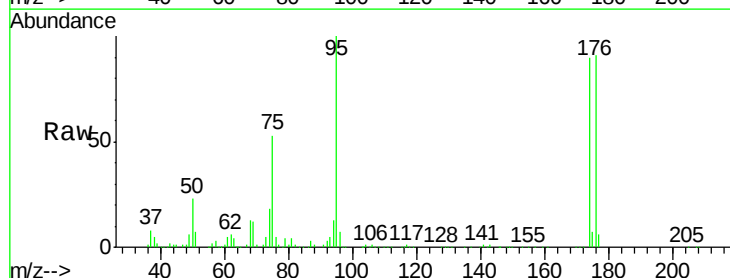
Tgt Ion: 95 Resp: 205908

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.6

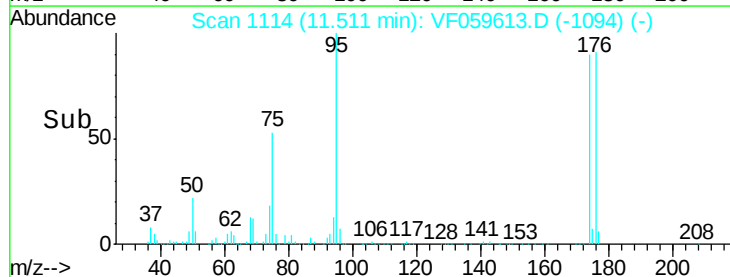
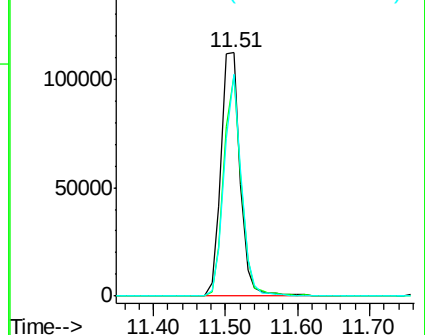
176 91.2 0.0 182.4

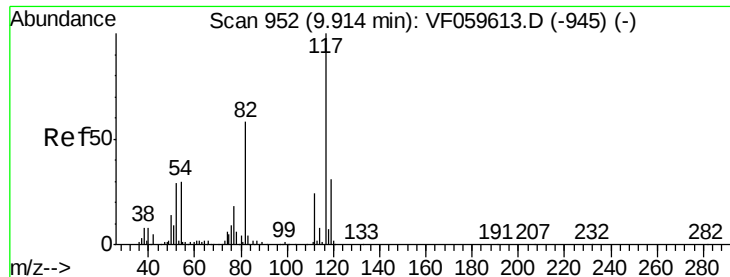


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





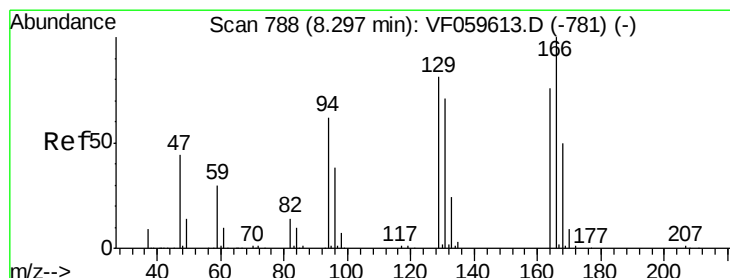
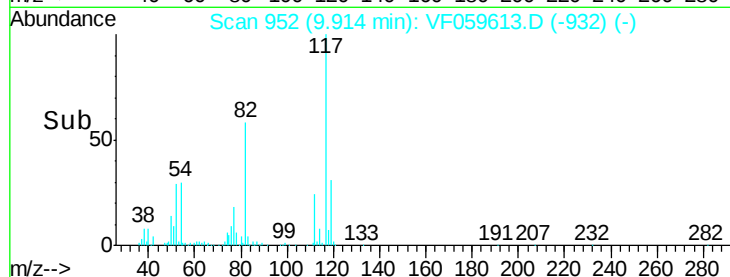
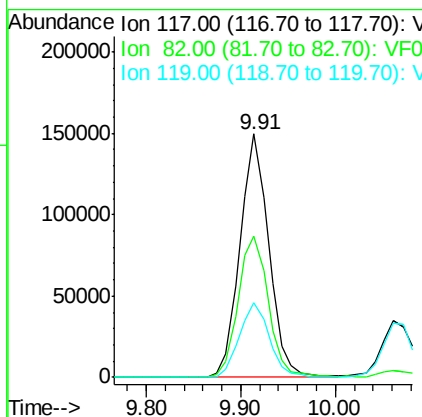
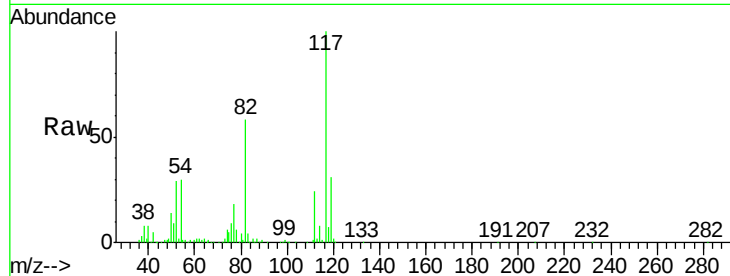
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.5	69.7
119	30.5	24.4	36.6

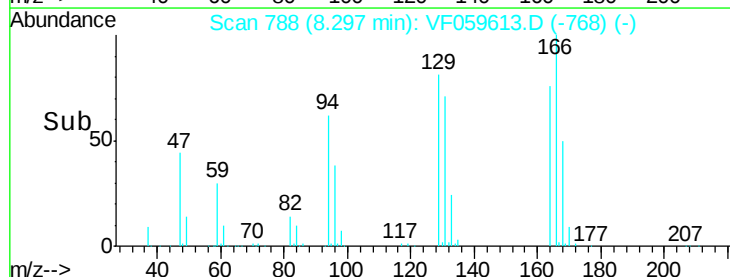
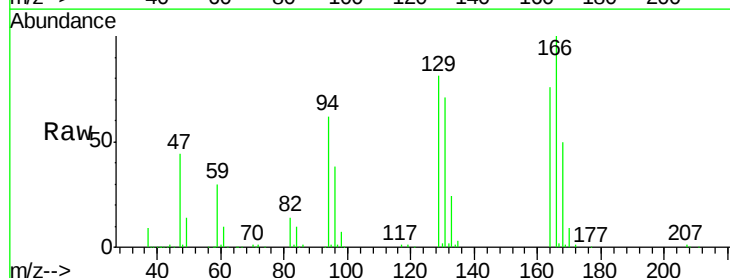
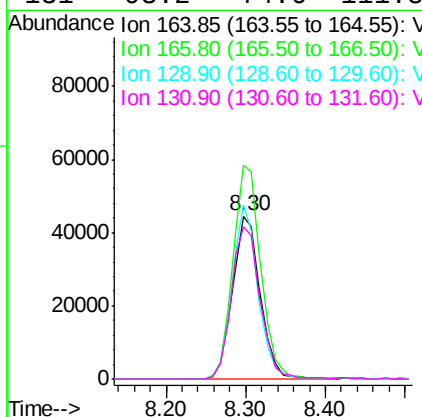
Manual Integrations
APPROVED

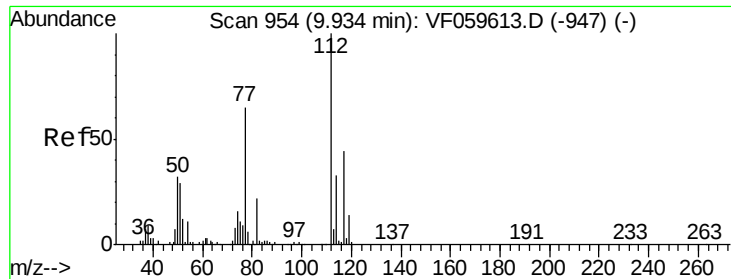
apatel
7/24/2018 1:13:36 PM



#64
Tetrachloroethene
Concen: 45.62 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	104.8	157.2
129	106.6	85.3	127.9
131	93.2	74.6	111.8





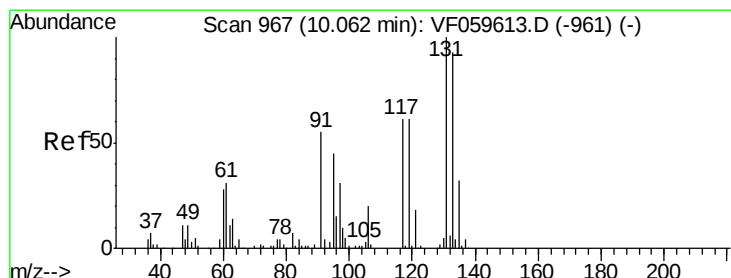
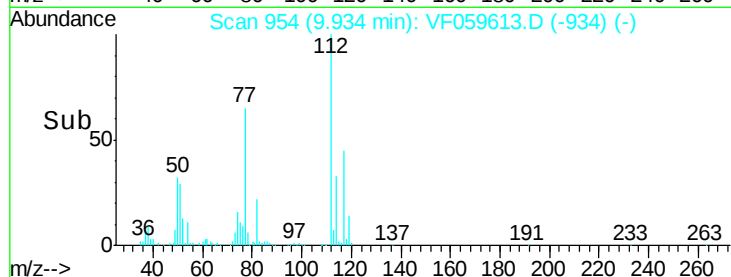
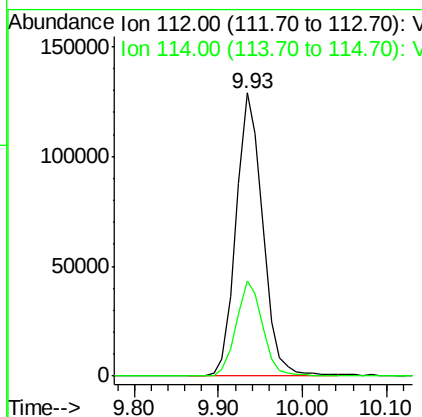
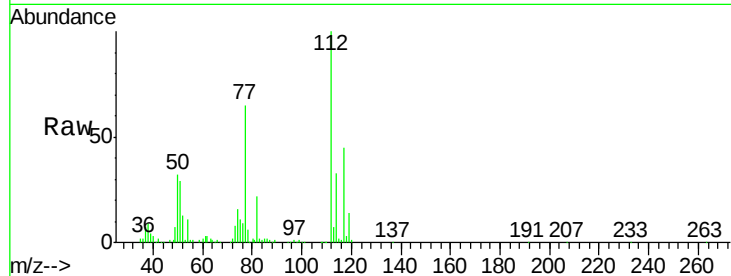
#65
Chlorobenzene
Concen: 47.55 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	26.8	40.2

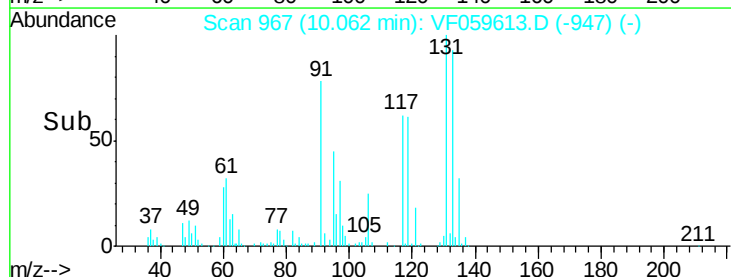
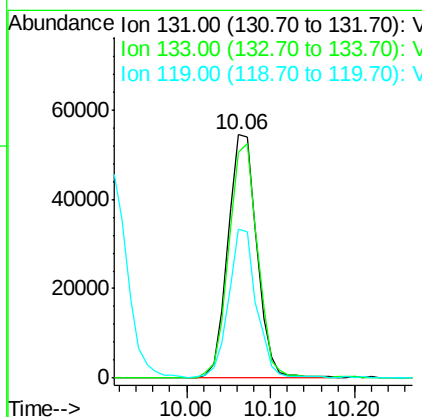
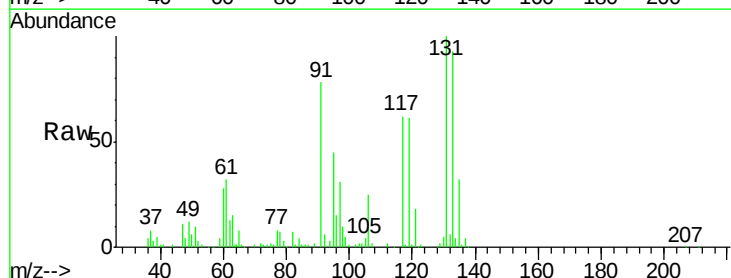
Manual Integrations
APPROVED

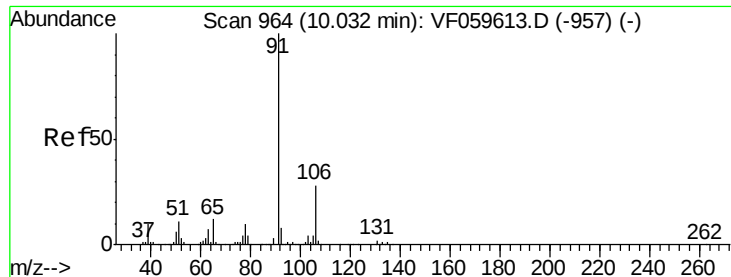
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.89 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.8	46.4	139.2
119	61.2	30.6	91.8





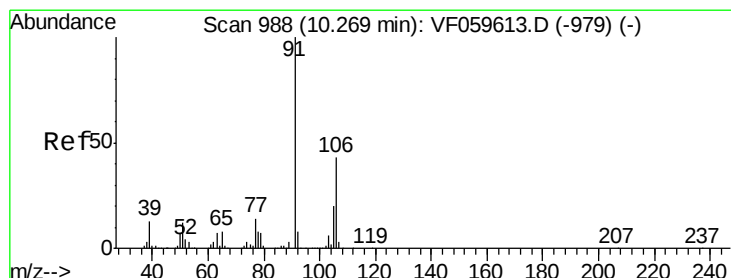
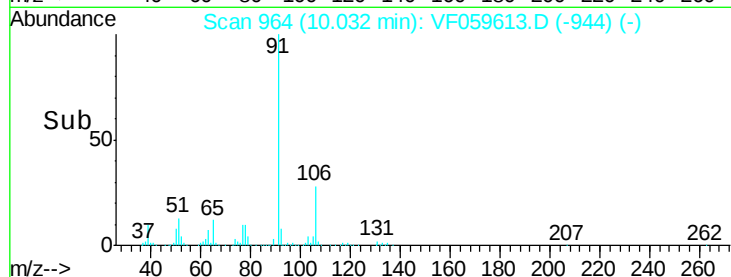
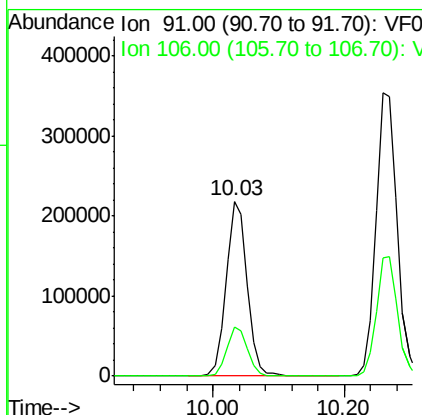
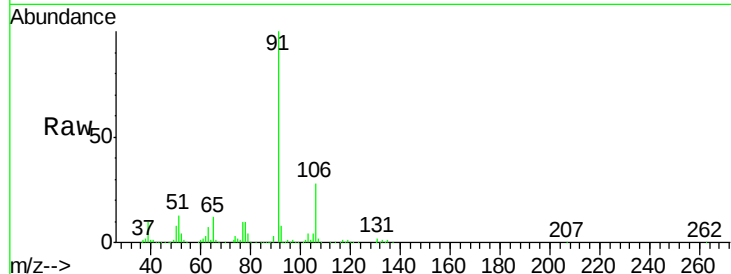
#67
Ethyl Benzene
Concen: 46.13 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 489551
Ion Ratio Lower Upper
91 100
106 28.1 22.5 33.7

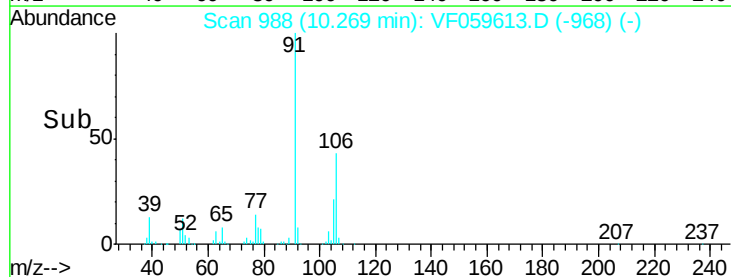
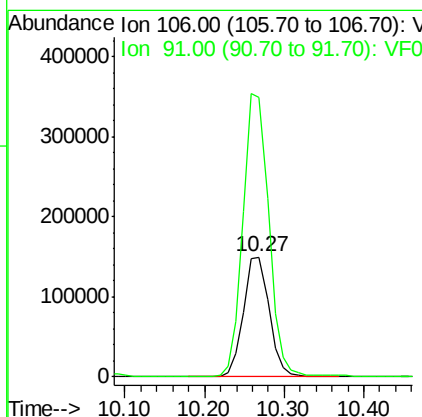
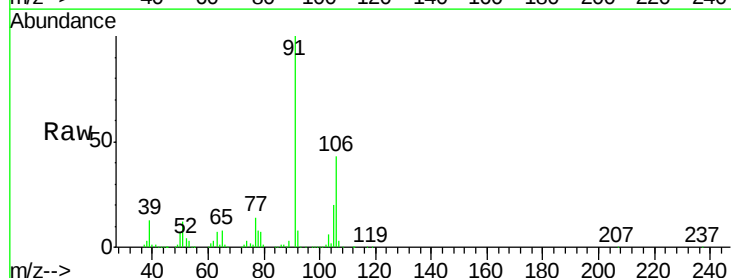
Manual Integrations
APPROVED

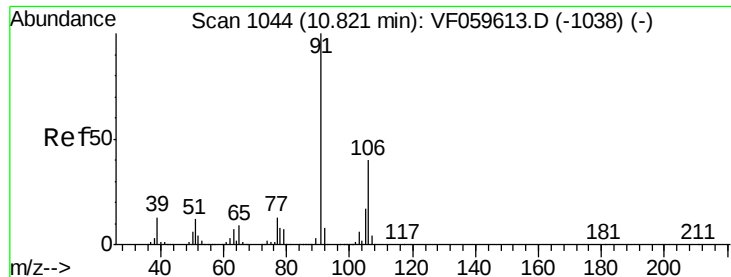
apatel
7/24/2018 1:13:36 PM



#68
m/p-Xylenes
Concen: 89.88 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion: 106 Resp: 334896
Ion Ratio Lower Upper
106 100
91 233.7 187.0 280.4





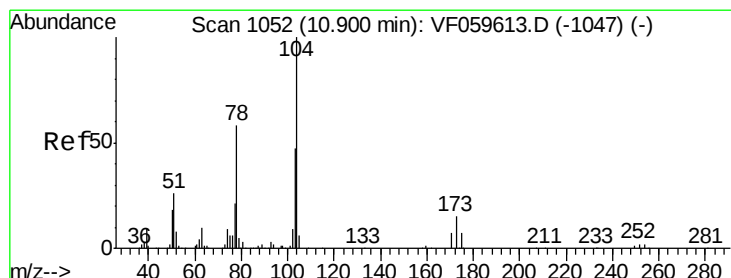
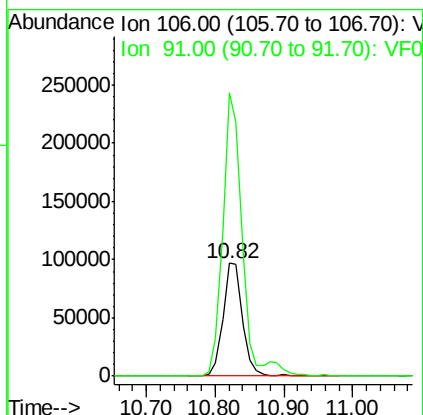
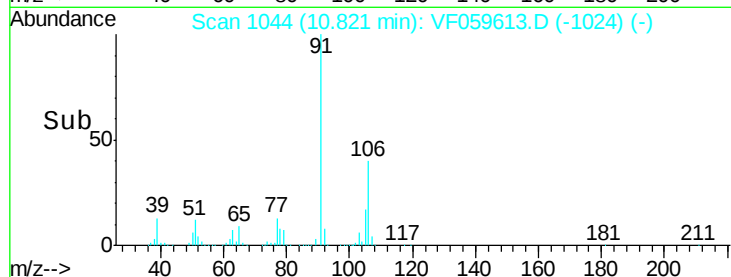
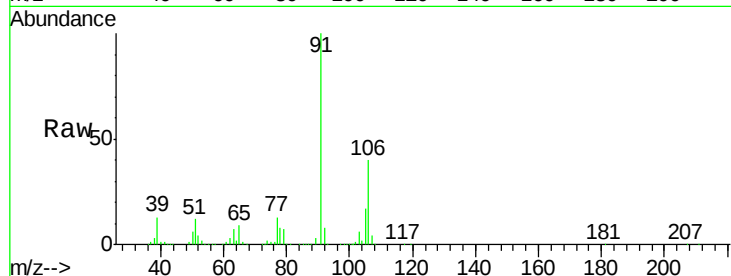
#69
o-Xylene
Concen: 47.62 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 190656
Ion Ratio Lower Upper
106 100
91 251.5 125.8 377.3

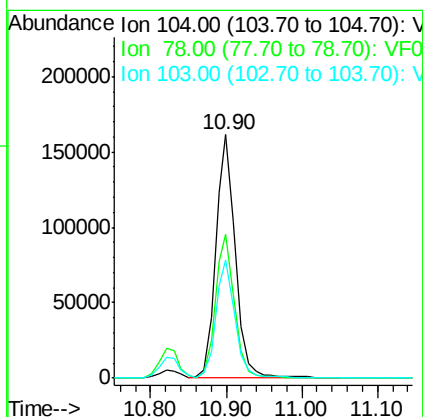
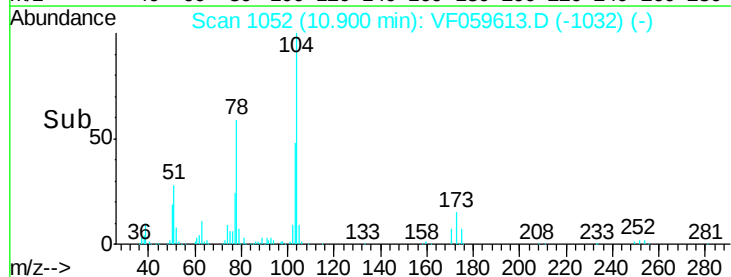
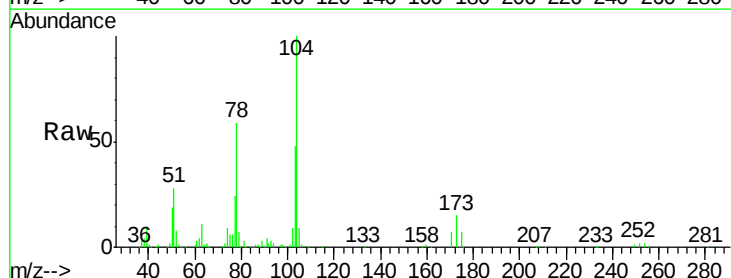
Manual Integrations
APPROVED

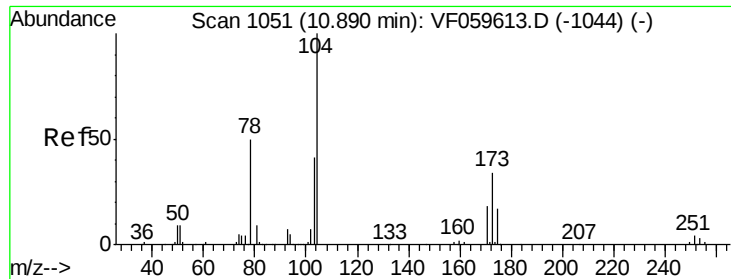
apatel
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#70
Styrene
Concen: 46.98 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion:104 Resp: 288718
Ion Ratio Lower Upper
104 100
78 59.3 47.4 71.2
103 48.5 38.8 58.2





#71

Bromoform

Concen: 44.59 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 82259

Ion Ratio Lower Upper

173 100

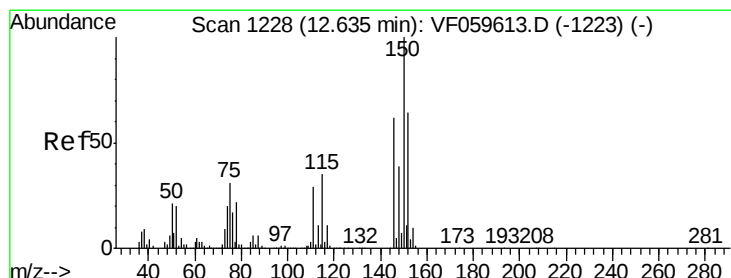
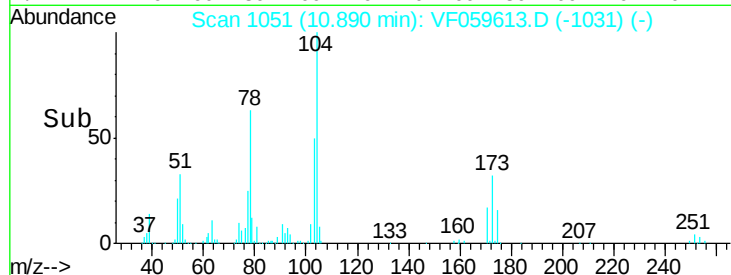
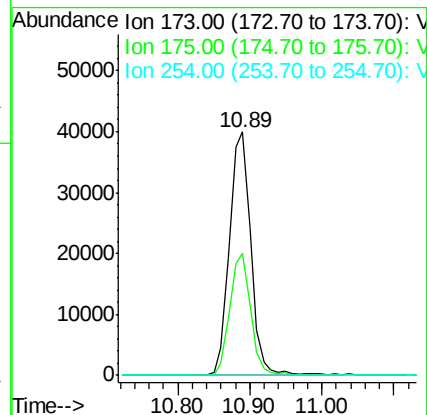
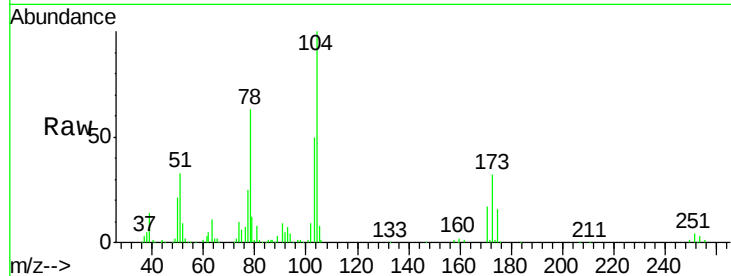
175 50.1 25.1 75.2

254 0.0 0.0 0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

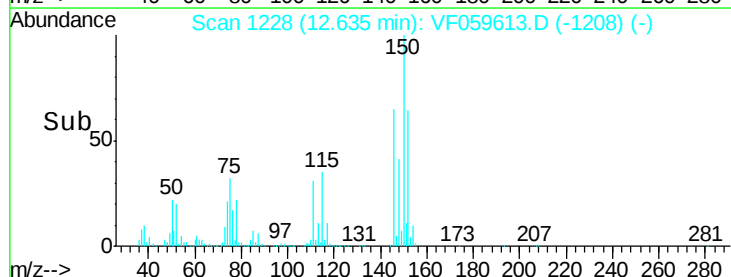
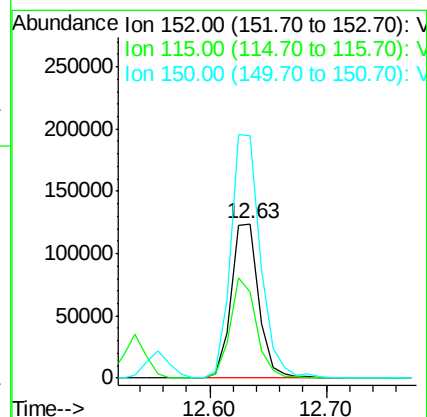
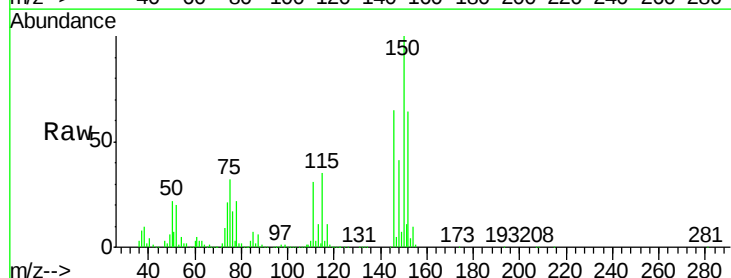
Tgt Ion:152 Resp: 205068

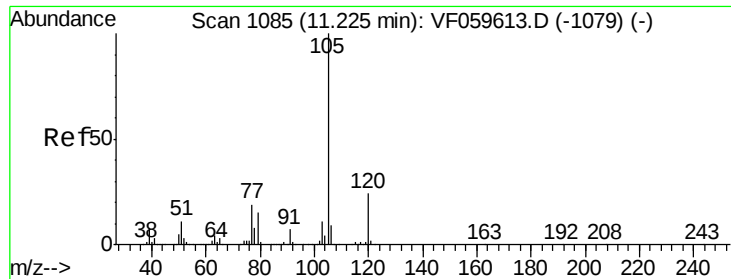
Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.4

150 157.3 0.0 314.6





#73

Isopropylbenzene

Concen: 46.81 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 604224

Ion Ratio Lower Upper

105 100

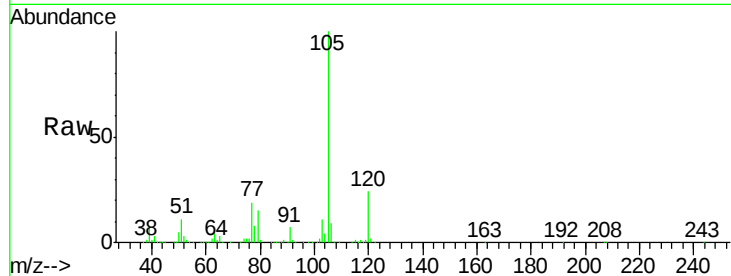
120 23.6 11.8 35.4

Manual Integrations

APPROVED

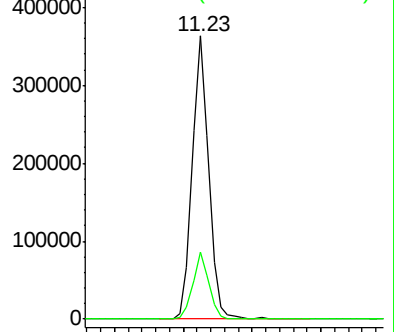
apatel

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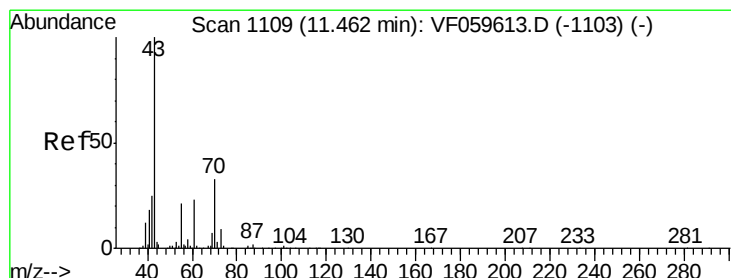
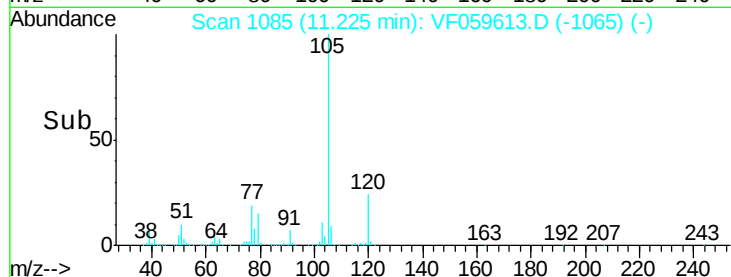


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 37.11 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Tgt Ion: 43 Resp: 147005

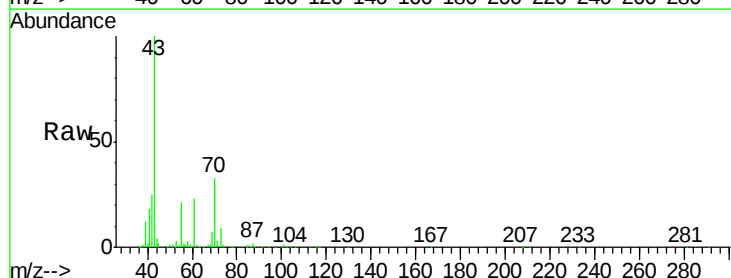
Ion Ratio Lower Upper

43 100

70 33.3 26.6 40.0

55 21.3 17.0 25.6

61 22.9 18.3 27.5

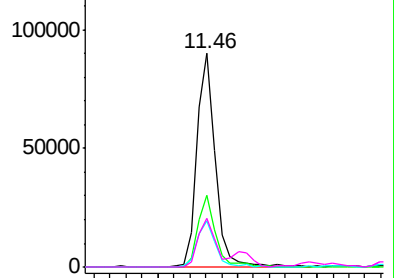


Abundance Ion 43.00 (42.70 to 43.70): VF0

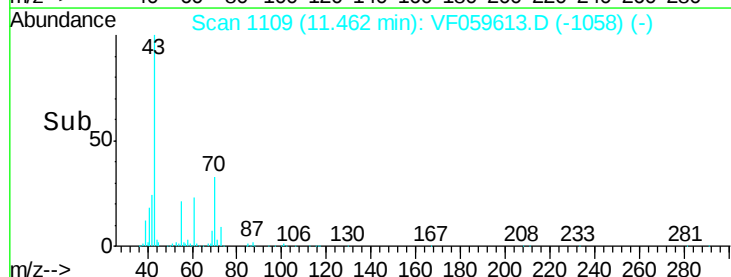
Ion 70.00 (69.70 to 70.70): VF0

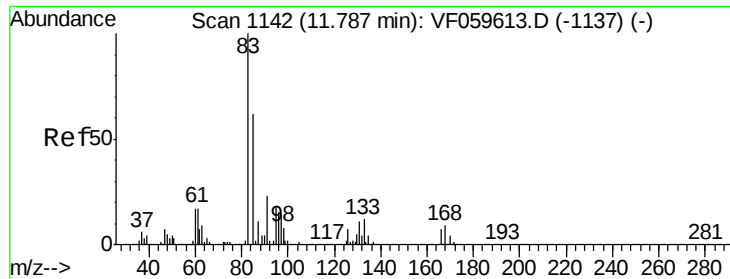
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 39.29 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

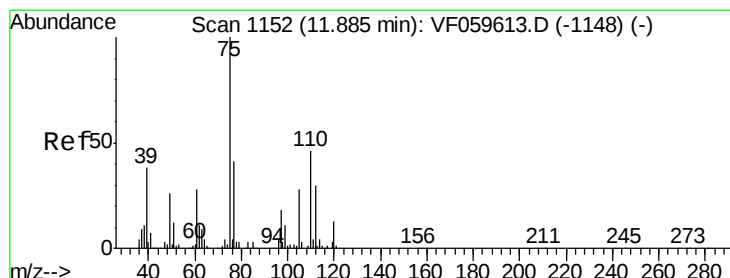
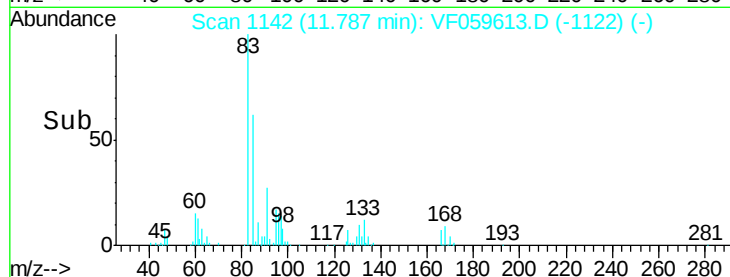
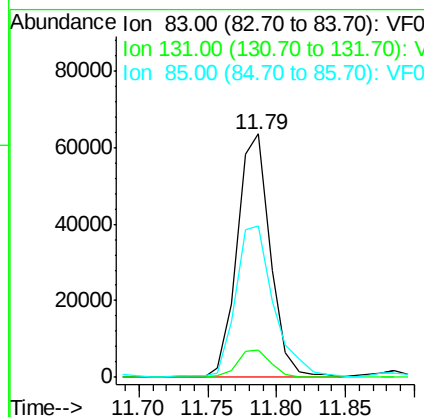
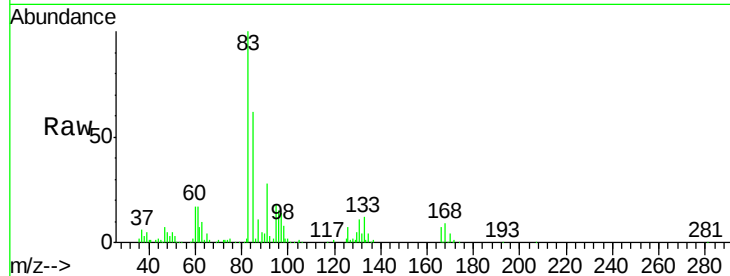
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	106923
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	62.2	31.1	93.3

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#76

1,2,3-Trichloropropane

Concen: 38.59 ug/l

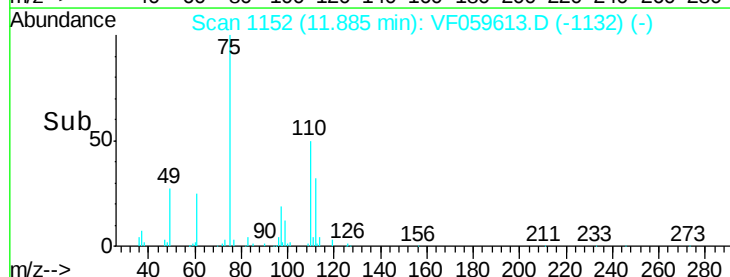
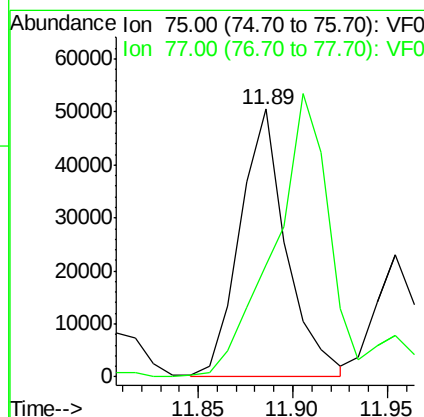
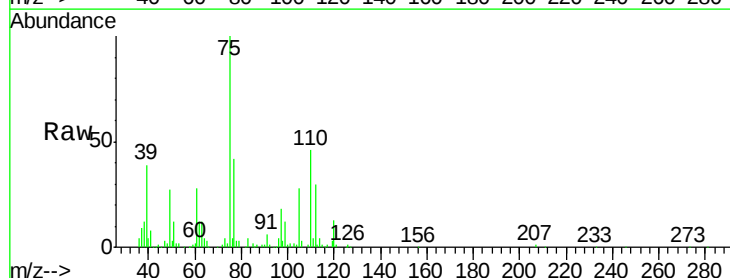
RT: 11.89 min Scan# 1152

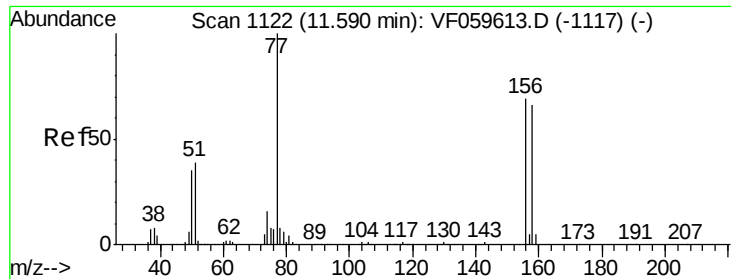
Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Tgt Ion:	75	Resp:	85972
Ion Ratio	Lower	Upper	
75	100		
77	41.9	20.9	62.8





#77

Bromobenzene

Concen: 44.16 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

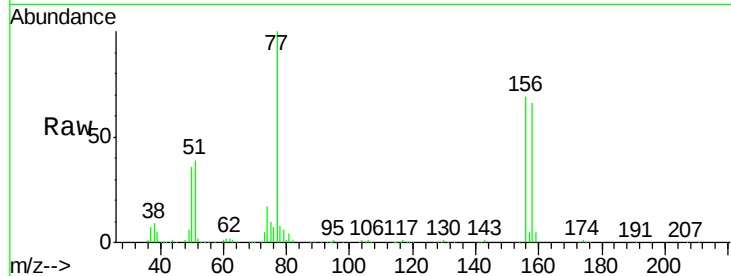
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		158046		
77	144.2	72.1	216.3		
158	94.6	47.3	141.9		

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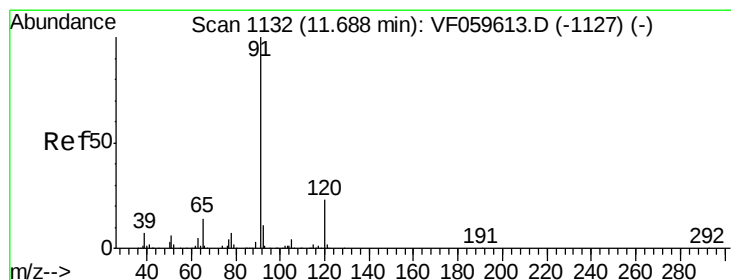
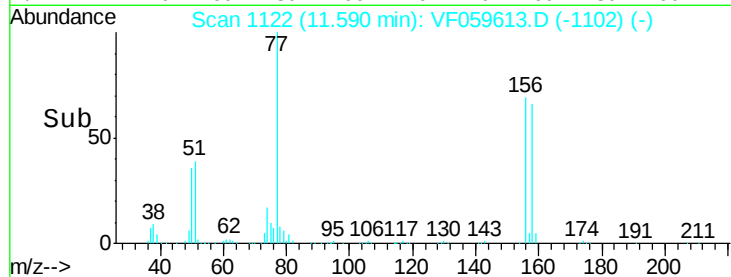
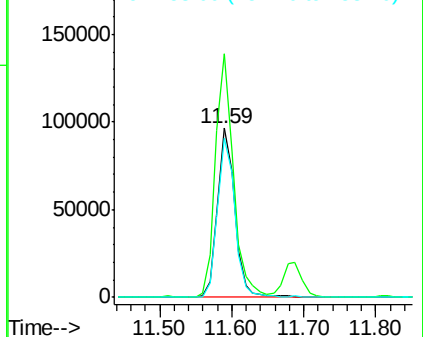
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 47.69 ug/l

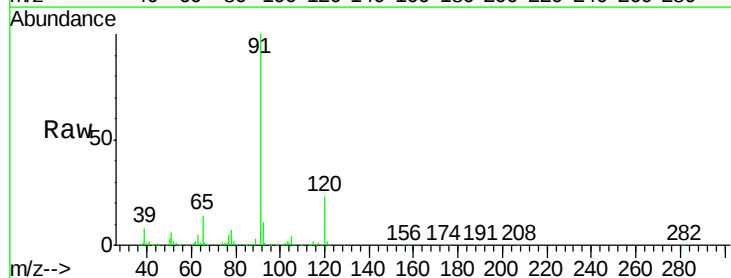
RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059613.D

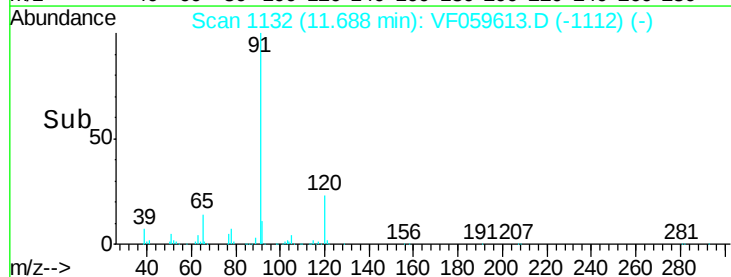
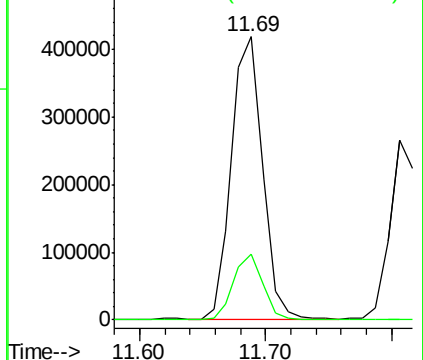
Acq: 23 Jul 2018 14:19

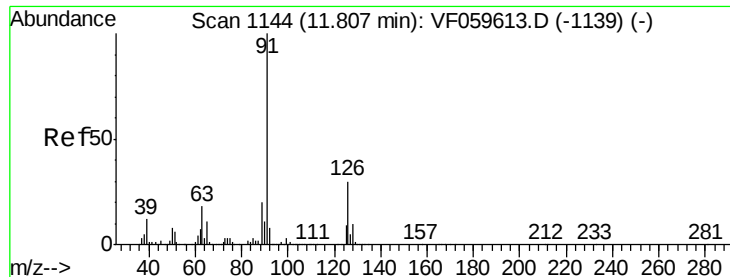
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		711377		
120	23.1	11.6	34.7		



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.64 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 427101

Ion Ratio Lower Upper

91 100

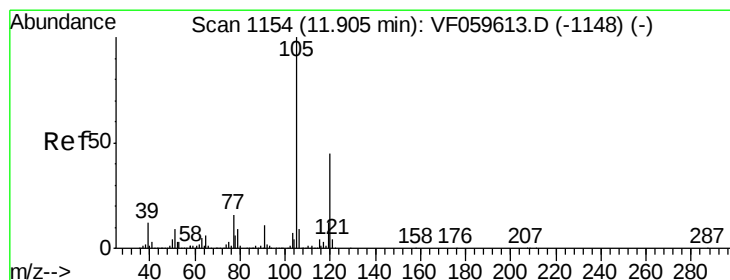
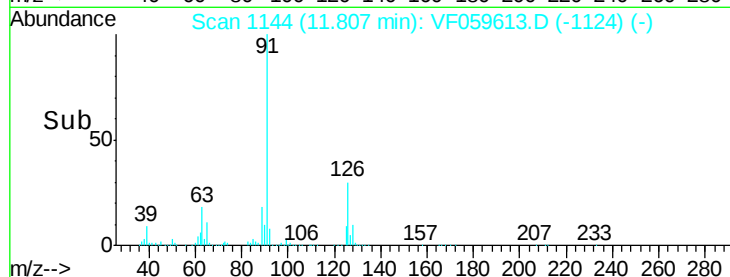
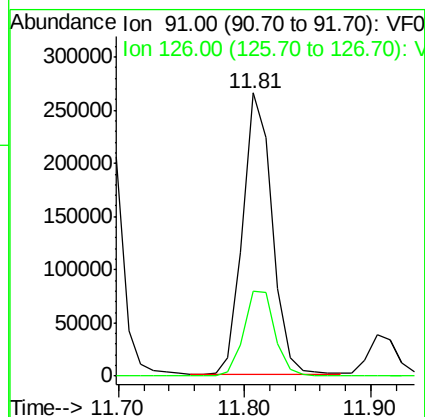
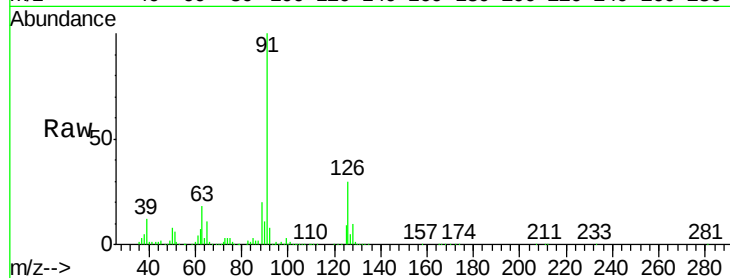
126 30.2 15.1 45.3

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#80

1,3,5-Trimethylbenzene

Concen: 48.74 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059613.D

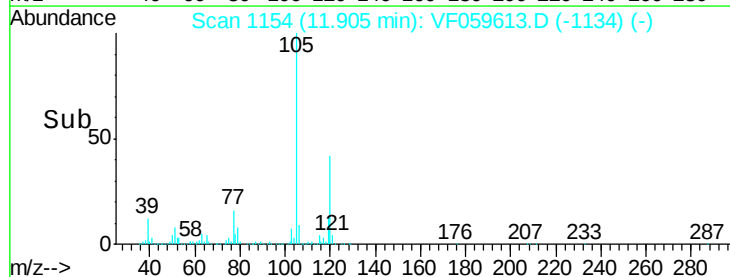
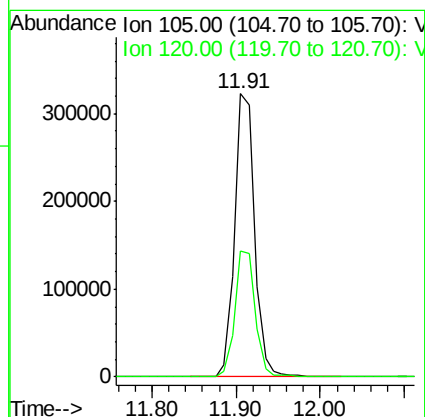
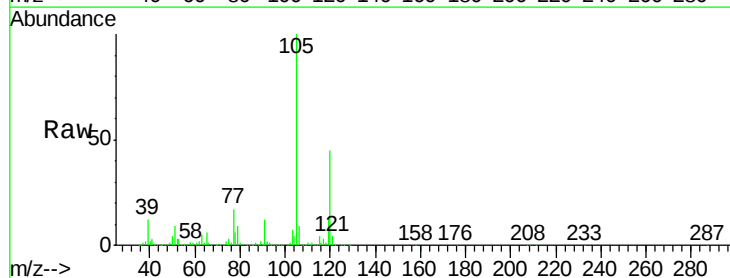
Acq: 23 Jul 2018 14:19

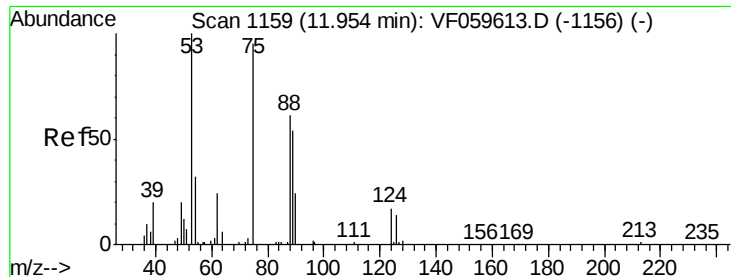
Tgt Ion: 105 Resp: 532191

Ion Ratio Lower Upper

105 100

120 44.7 22.4 67.0





#81

trans-1,4-Dichloro-2-butene

Concen: 35.21 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 37437

Ion Ratio Lower Upper

75 100

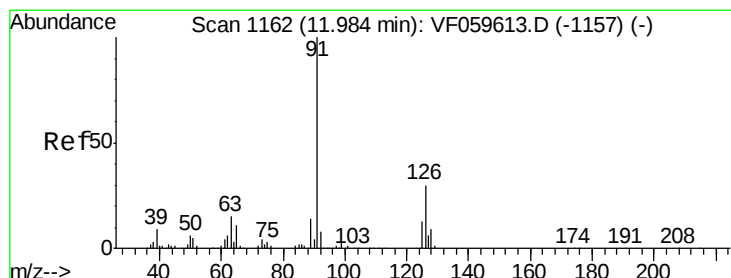
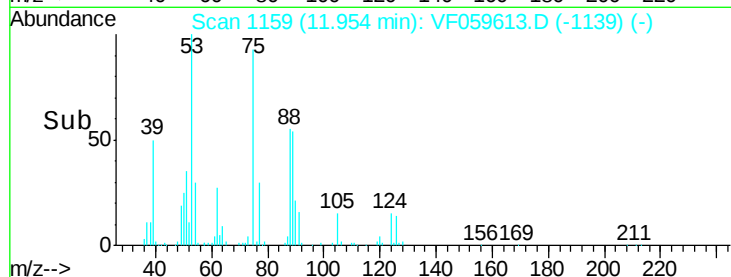
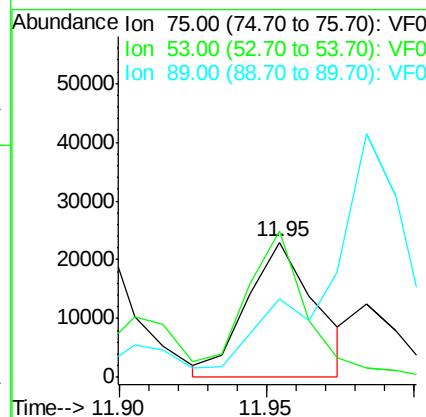
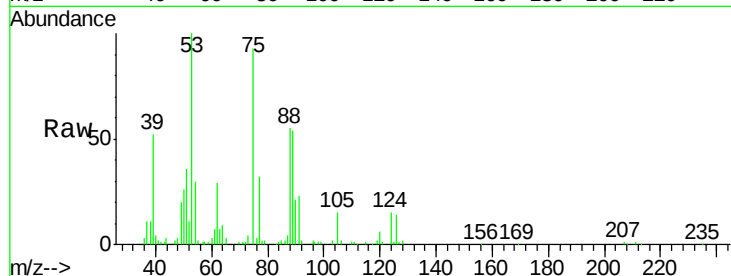
53 108.0 86.4 129.6

89 58.5 46.8 70.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.45 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059613.D

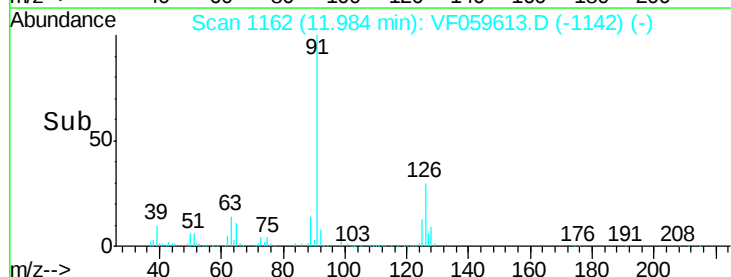
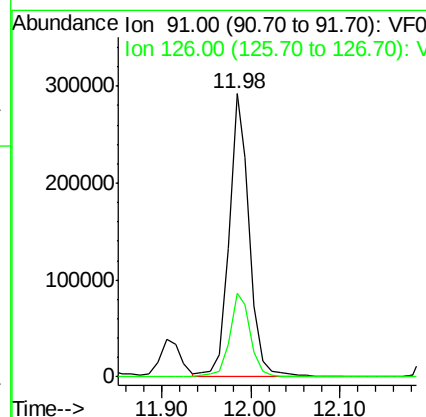
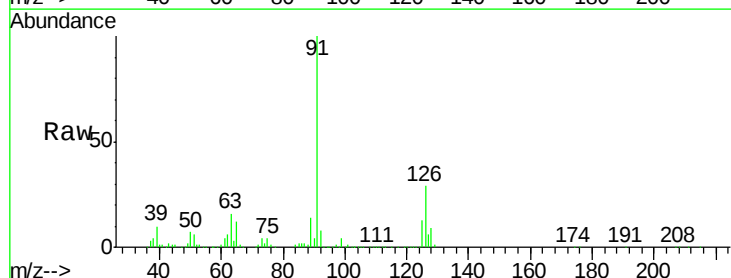
Acq: 23 Jul 2018 14:19

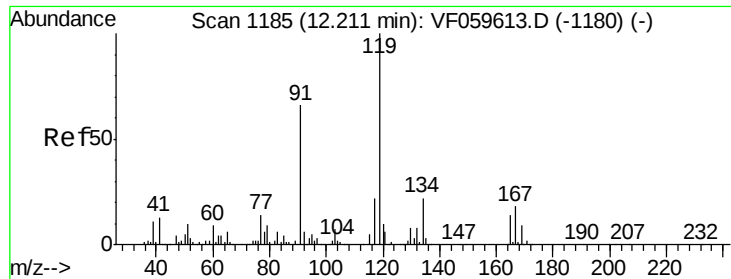
Tgt Ion: 91 Resp: 462484

Ion Ratio Lower Upper

91 100

126 29.4 14.7 44.1





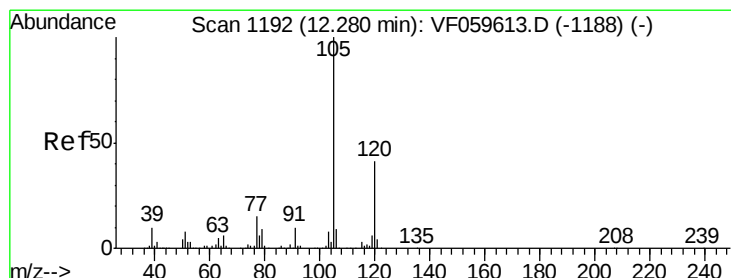
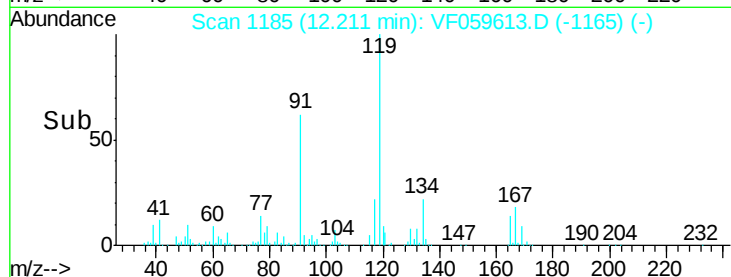
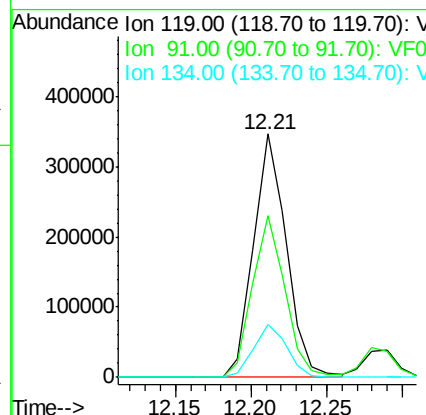
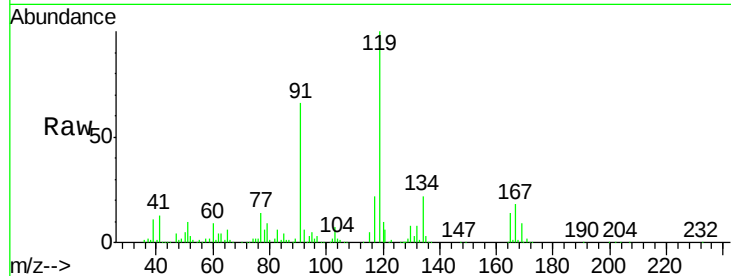
#83
 tert-Butylbenzene
 Concen: 50.32 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.2	99.6
134	21.7	10.9	32.6

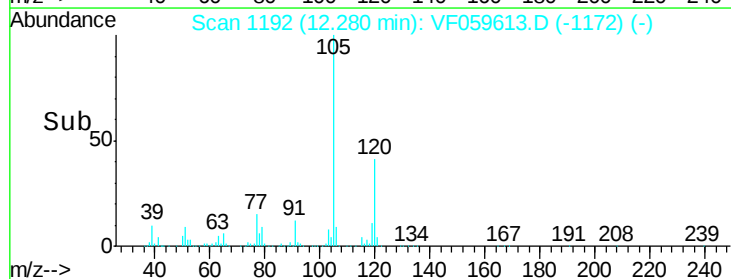
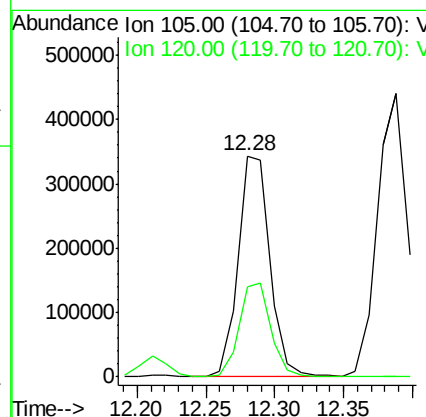
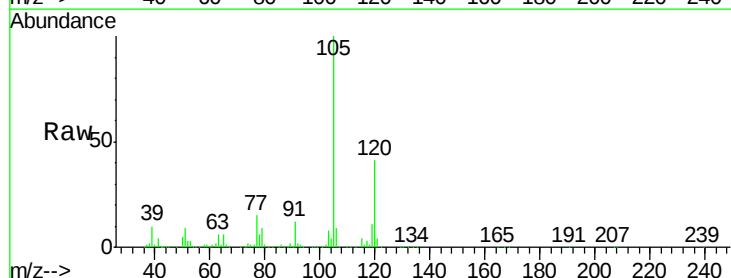
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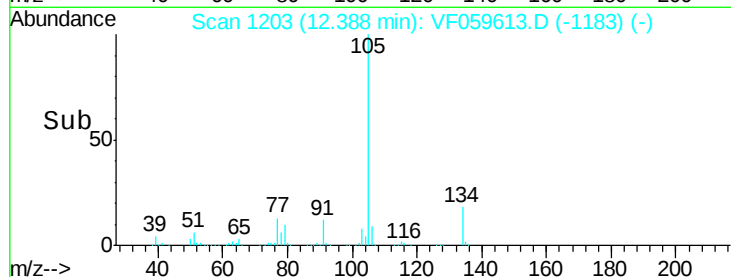
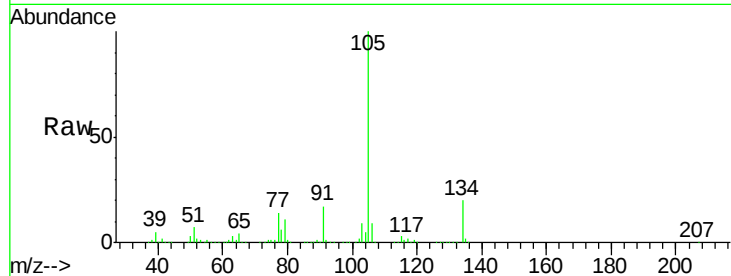
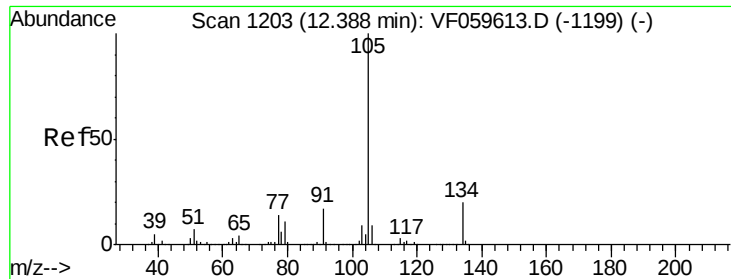
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.11 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.9	20.4	61.3





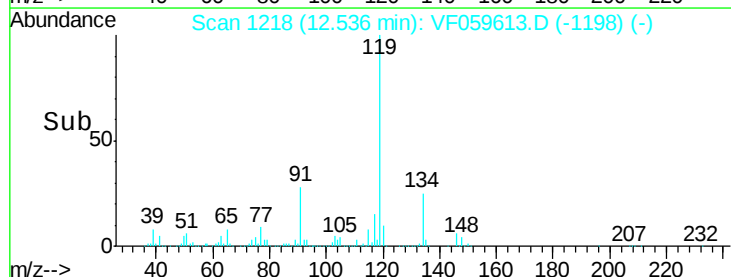
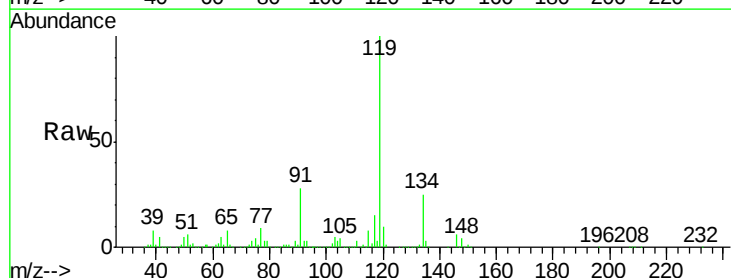
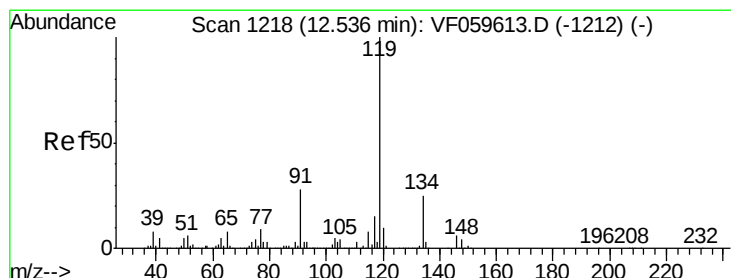
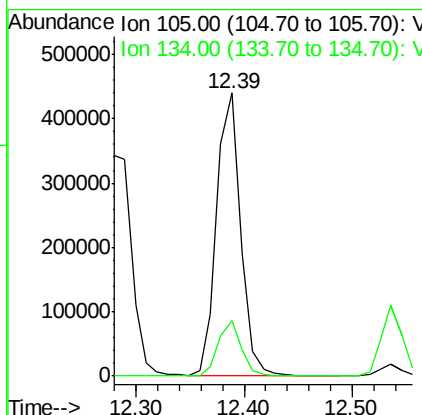
#85
 sec-Butylbenzene
 Concen: 50.78 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tot Ion	Ratio	Resp	Lower	Upper
105	100	680738		
134	19.8	9.9	29.7	

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

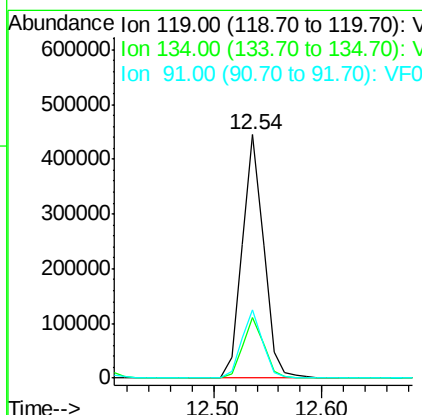
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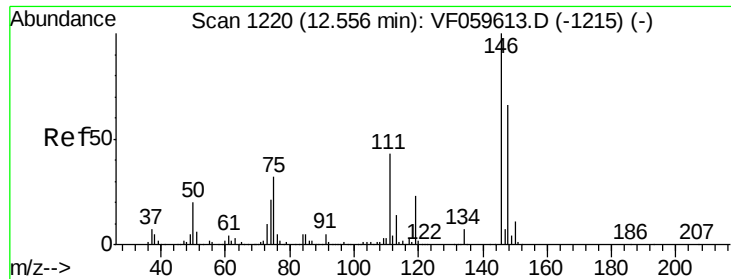
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#86
 p-Isopropyltoluene
 Concen: 52.25 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	613747		
134	24.8	12.4	37.2	
91	27.8	13.9	41.7	





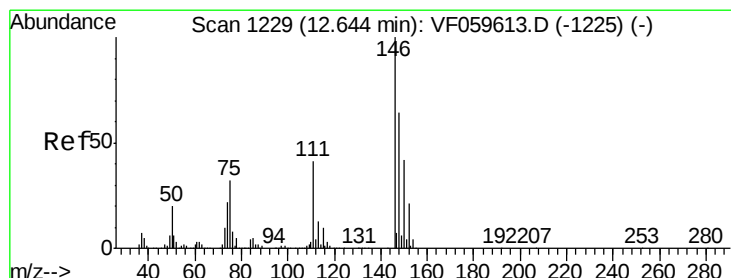
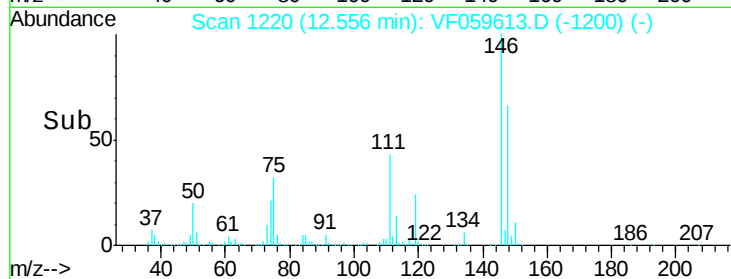
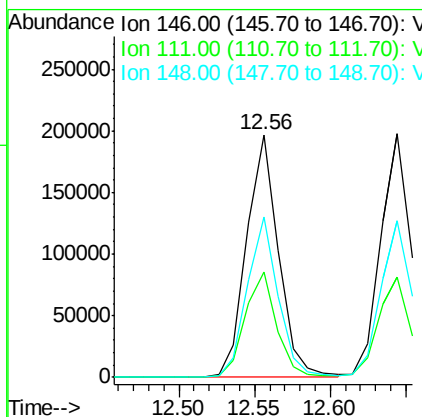
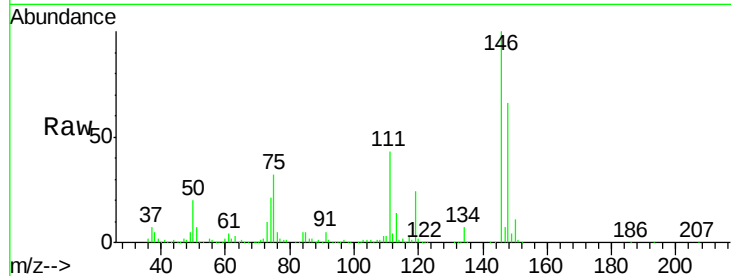
#87
 1,3-Dichlorobenzene
 Concen: 46.60 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	66.2	33.1	99.3

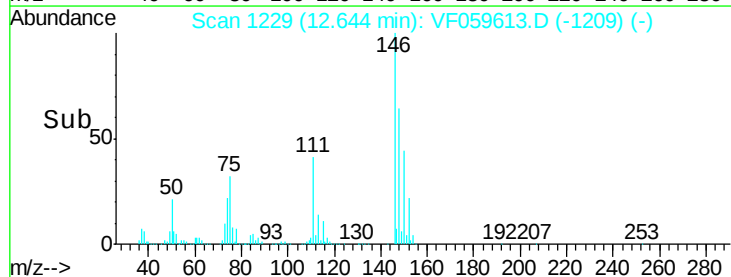
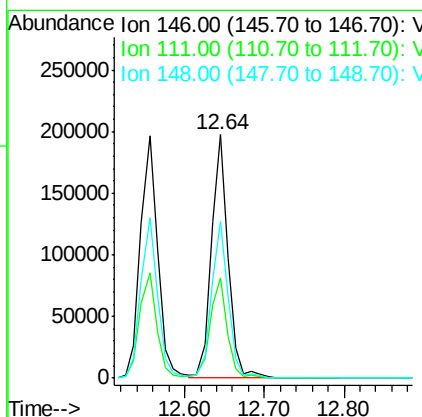
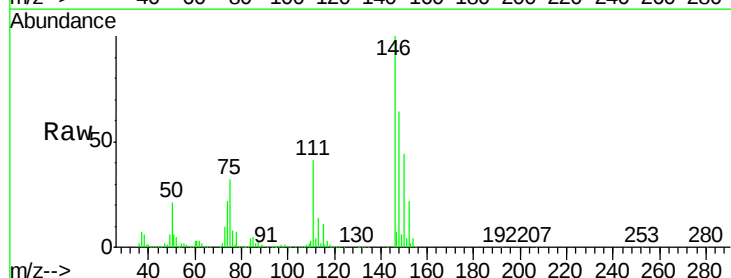
Manual Integrations
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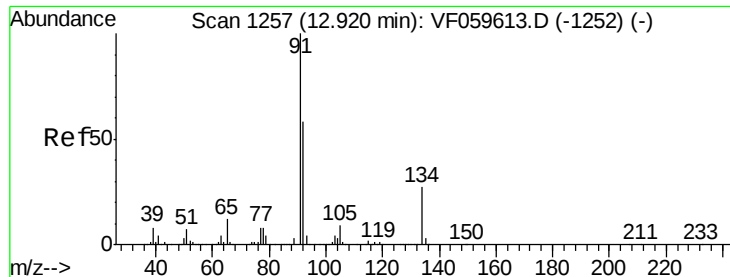
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#88
 1,4-Dichlorobenzene
 Concen: 47.24 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.5	32.3	96.8





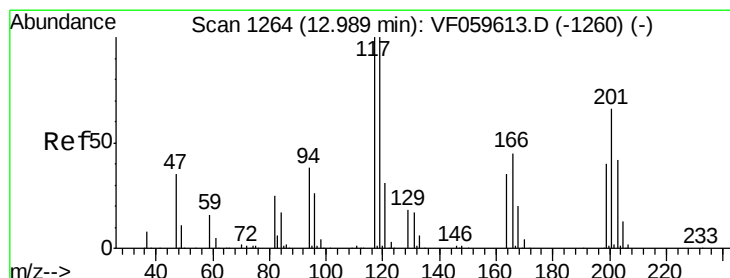
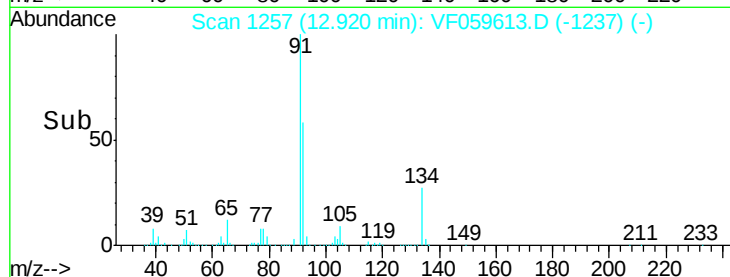
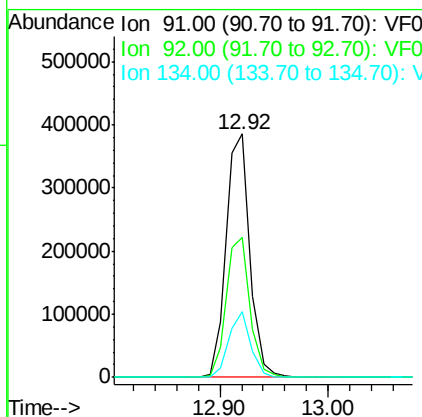
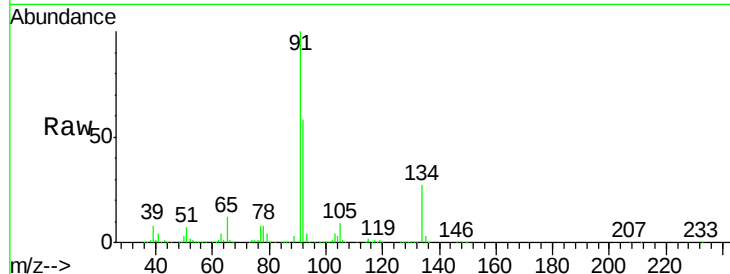
#89
n-Butylbenzene
Concen: 53.44 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.6	28.8	86.4
134	26.9	13.5	40.4

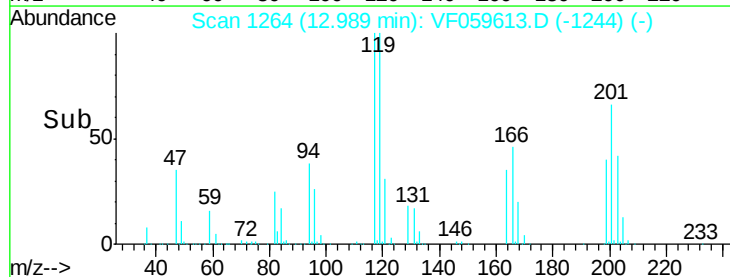
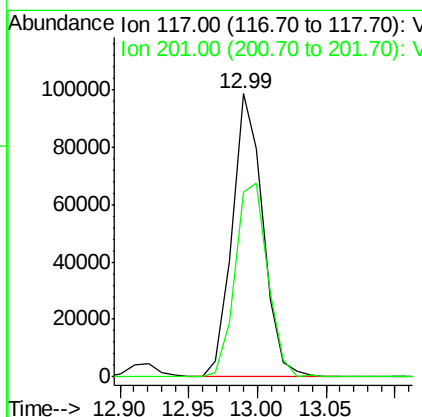
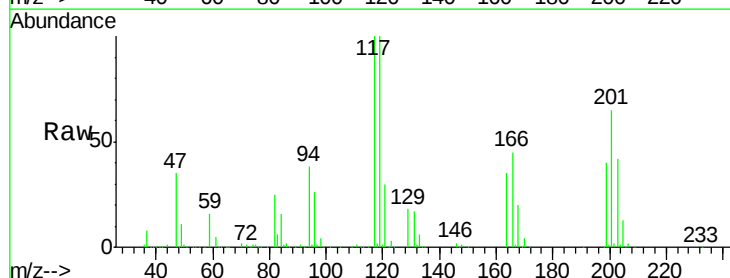
Manual Integrations
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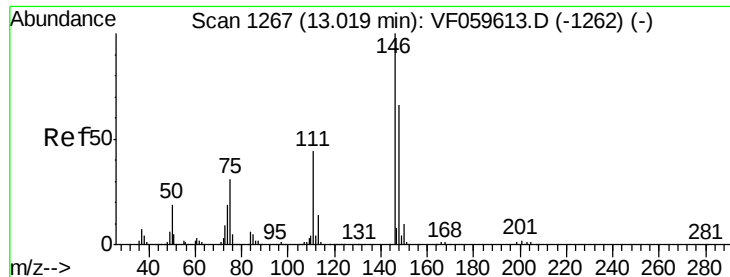
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#90
Hexachloroethane
Concen: 55.86 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.1	33.6	100.6





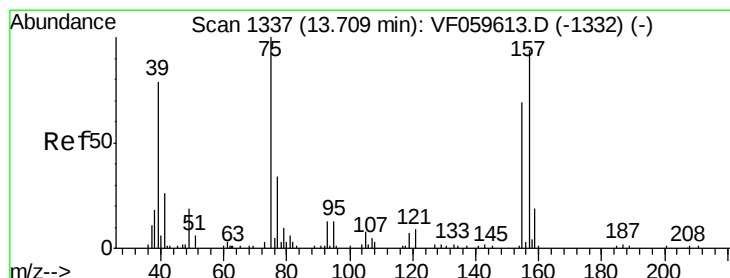
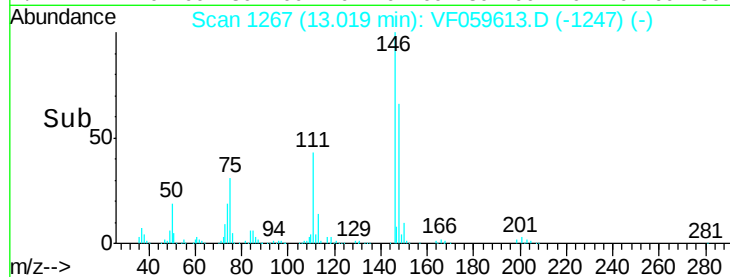
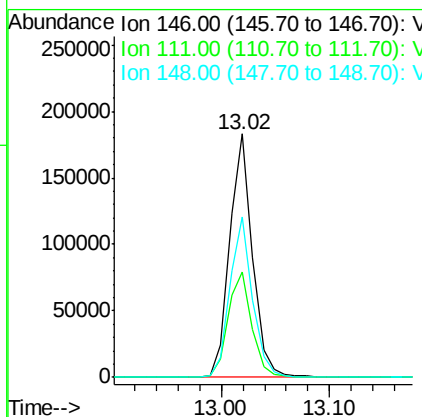
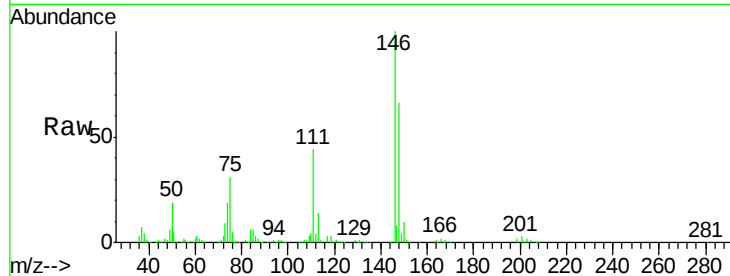
#91
 1,2-Dichlorobenzene
 Concen: 45.33 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	65.8	32.9	98.7

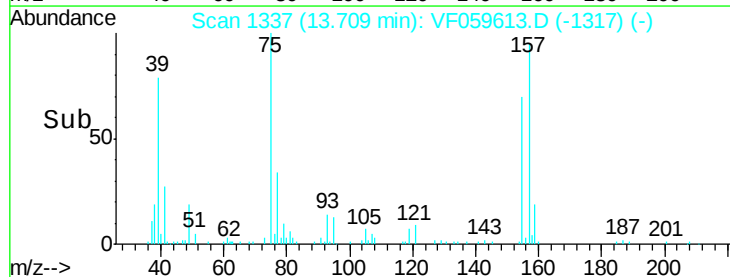
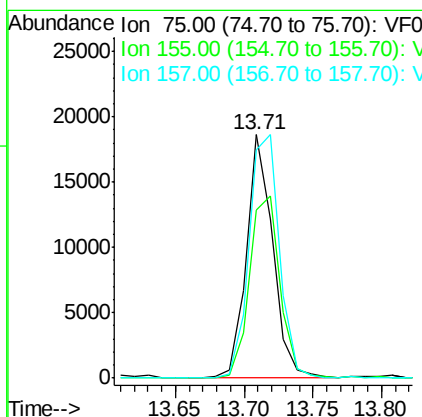
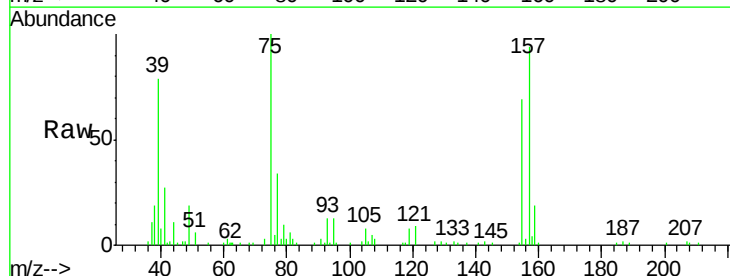
Manual Integrations
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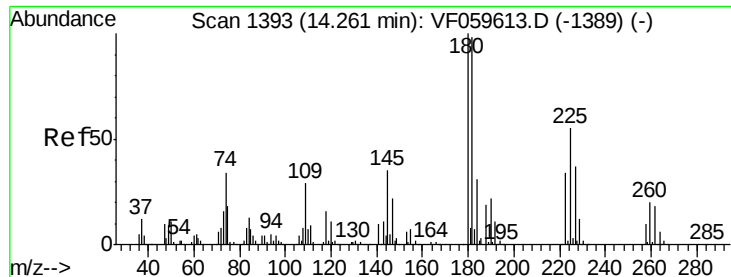
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.39 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.2	34.6	103.8
157	94.0	47.0	141.0





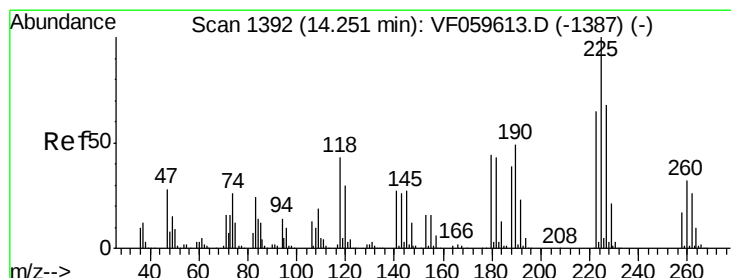
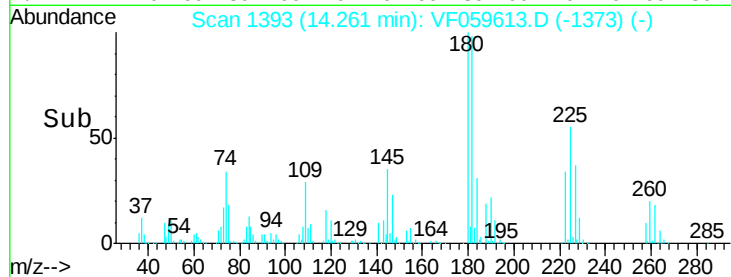
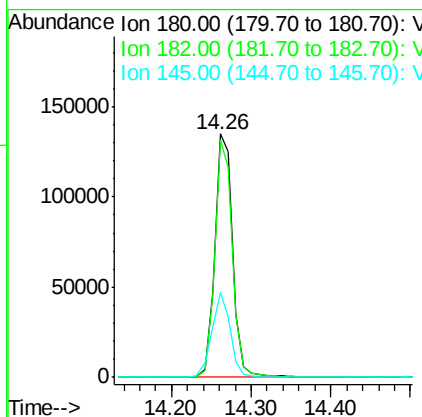
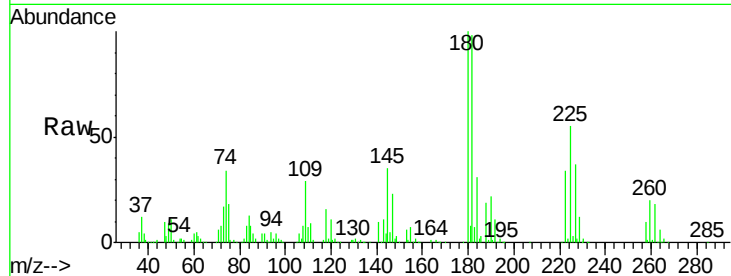
#93
 1,2,4-Trichlorobenzene
 Concen: 56.84 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	48.8	146.3
145	35.1	17.5	52.6

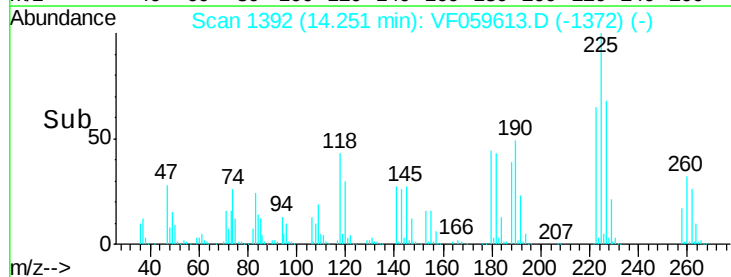
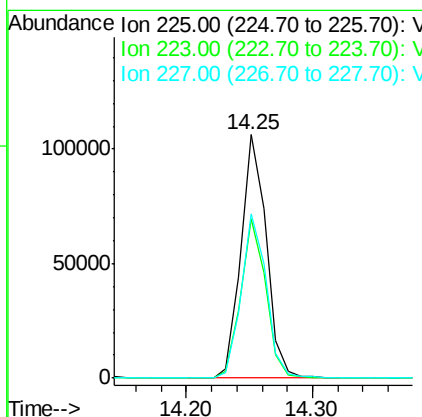
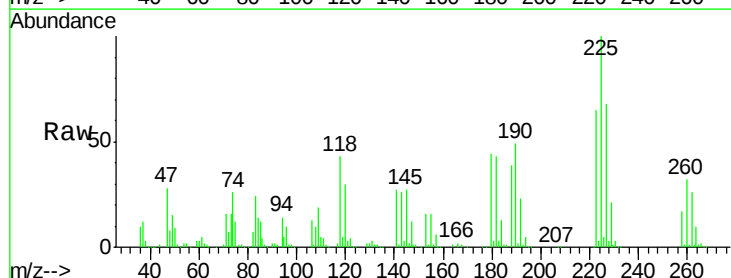
Manual Integrations
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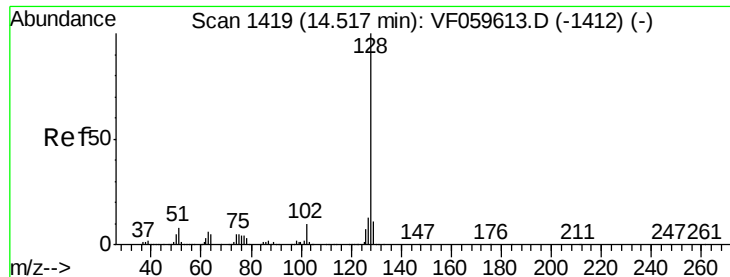
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#94
 Hexachlorobutadiene
 Concen: 71.54 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	32.6	98.0
227	67.7	33.9	101.6





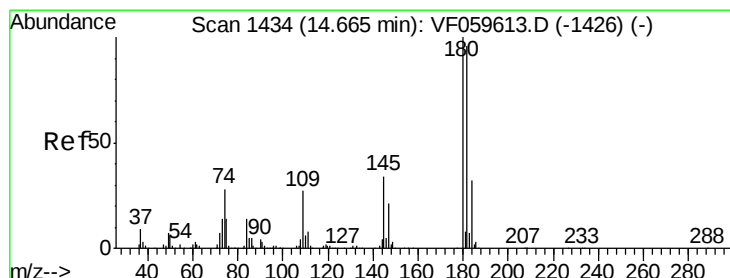
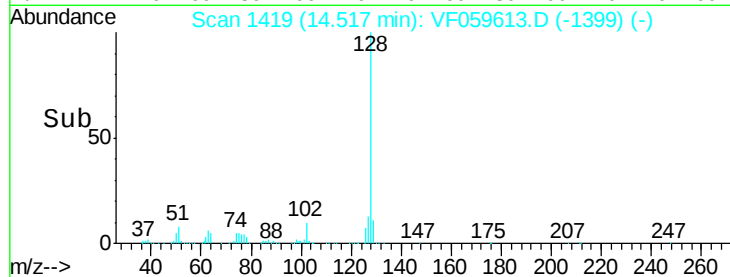
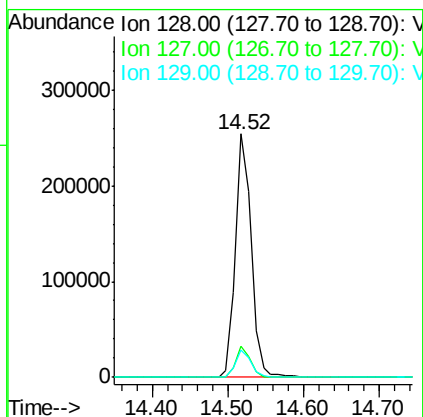
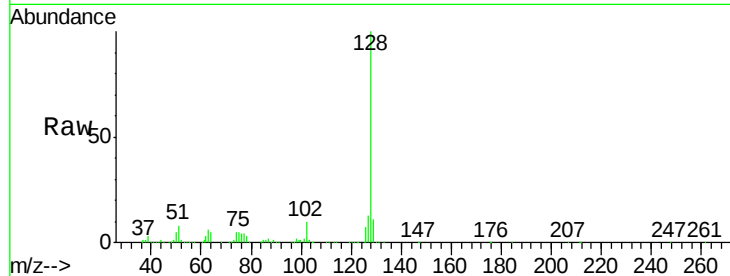
#95
Naphthalene
Concen: 48.59 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.4	9.1	13.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 57.97 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	34.1	17.1	51.2

