

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059516.D
 Acq On : 17 Jul 2018 19:23
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Manual Integrations
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Quant Time: Jul 18 02:32:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	255533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	391843	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	373112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	209174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	564990	146.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.96%	
35) Dibromofluoromethane	4.32	113	468856	137.77	ug/l	0.01
Spiked Amount	50.000		Recovery	=	275.54%	
50) Toluene-d8	7.73	98	1117338	132.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	265.50%	
62) 4-Bromofluorobenzene	11.52	95	577515	129.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	258.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	450858	155.01	ug/l	99
3) Chloromethane	1.09	50	255873	156.07	ug/l	95
4) Vinyl Chloride	1.15	62	266123	155.83	ug/l	100
5) Bromomethane	1.34	94	177465	149.20	ug/l	98
6) Chloroethane	1.43	64	133262	149.13	ug/l #	86
7) Trichlorofluoromethane	1.53	101	610250	155.68	ug/l	97
8) Diethyl Ether	1.71	74	120563	153.52	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	285115m	153.13	ug/l	
10) Methyl Iodide	1.97	142	485924	154.84	ug/l	96
11) Tert butyl alcohol	2.70	59	120430	673.20	ug/l #	92
12) 1,1-Dichloroethene	1.86	96	285677	158.85	ug/l	95
13) Acrolein	2.10	56	44477	445.02	ug/l	100
14) Allyl chloride	2.20	41	355193	150.60	ug/l	93
15) Acrylonitrile	3.09	53	232304	703.68	ug/l	95
16) Acetone	2.35	43	397948	607.43	ug/l	100
17) Carbon Disulfide	1.88	76	716031	146.69	ug/l	98
18) Methyl Acetate	2.46	43	177417m	131.90	ug/l	
19) Methyl tert-butyl Ether	2.54	73	847274	144.05	ug/l	98
20) Methylene Chloride	2.32	84	259902	110.81	ug/l	89
21) trans-1,2-Dichloroethene	2.41	96	262564	160.27	ug/l	99
22) Diisopropyl ether	2.94	45	1010209	149.41	ug/l	98
23) Vinyl Acetate	3.35	43	2741858	697.81	ug/l	98
24) 1,1-Dichloroethane	3.01	63	609906	158.90	ug/l	98
25) 2-Butanone	4.53	43	608066	638.54	ug/l	100
26) 2,2-Dichloropropane	3.78	77	344107	133.58	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	306469	136.85	ug/l	97
28) Bromochloromethane	3.90	49	254194	142.81	ug/l	98
29) Tetrahydrofuran	4.28	42	261822	640.07	ug/l	98
30) Chloroform	4.05	83	866928	150.38	ug/l	99
31) Cyclohexane	3.87	56	327285	150.96	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	554469	138.65	ug/l	97
36) 1,1-Dichloropropene	4.47	75	552645	138.49	ug/l	97
37) Ethyl Acetate	4.32	43	287491	117.71	ug/l	93
38) Carbon Tetrachloride	4.18	117	634222	137.07	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	402339	133.89	ug/l	98
40) Benzene	4.82	78	1060860	136.82	ug/l	99
41) Methacrylonitrile	4.94	41	146611	124.52	ug/l #	87
42) 1,2-Dichloroethane	5.14	62	687698	138.55	ug/l	99
43) Isopropyl Acetate	7.13	43	398344	136.19	ug/l	98
44) Trichloroethene	5.69	130	377816	135.17	ug/l	96
45) 1,2-Dichloropropane	6.42	63	285319	129.75	ug/l	98
46) Dibromomethane	6.27	93	269765	137.33	ug/l	94
47) Bromodichloromethane	6.56	83	700839	139.62	ug/l	99
48) Methyl methacrylate	6.89	41	294201	139.57	ug/l	98
49) 1,4-Dioxane	6.88	88	21387	2243.17	ug/l #	82
51) 4-Methyl-2-Pentanone	8.43	43	1257864	613.02	ug/l	98
52) Toluene	7.80	92	728535	130.66	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	619301	139.59	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	624170	135.60	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	295638	133.13	ug/l	97
56) Ethyl methacrylate	8.78	69	371932	132.98	ug/l	96
57) 1,3-Dichloropropane	9.02	76	527901	139.73	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.80	63	151104	646.99	ug/l	100
59) 2-Hexanone	9.65	43	1001289	621.96	ug/l	97
60) Dibromochloromethane	8.88	129	508494	141.09	ug/l	97
61) 1,2-Dibromoethane	9.16	107	382157	142.19	ug/l	98
64) Tetrachloroethene	8.32	164	380480	129.34	ug/l	96
65) Chlorobenzene	9.96	112	963790	137.33	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.09	131	430454	135.48	ug/l	97
67) Ethyl Benzene	10.05	91	1632450	130.38	ug/l	97
68) m/p-Xylenes	10.29	106	1127145	251.33	ug/l	88
69) o-Xylene	10.84	106	637066	136.69	ug/l	97
70) Styrene	10.91	104	952297	129.15	ug/l	99
71) Bromoform	10.90	173	321632	138.85	ug/l #	98
73) Isopropylbenzene	11.24	105	1757064	131.68	ug/l	96
74) N-amyl acetate	11.47	43	597999	126.28	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	387470	132.42	ug/l	94
76) 1,2,3-Trichloropropane	11.90	75	318727	132.11	ug/l	95
77) Bromobenzene	11.61	156	507101	134.86	ug/l	97
78) n-propylbenzene	11.70	91	1948407	126.12	ug/l	95
79) 2-Chlorotoluene	11.83	91	1202281	128.77	ug/l	95
80) 1,3,5-Trimethylbenzene	11.93	105	1427438	124.42	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	163636m	143.06	ug/l	
82) 4-Chlorotoluene	12.01	91	1372532	126.87	ug/l	90
83) tert-Butylbenzene	12.22	119	1370176	127.60	ug/l	99
84) 1,2,4-Trimethylbenzene	12.30	105	1471238	128.37	ug/l	95
85) sec-Butylbenzene	12.40	105	1718600	126.71	ug/l	97
86) p-Isopropyltoluene	12.55	119	1482009	123.53	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	816139	126.76	ug/l	99
88) 1,4-Dichlorobenzene	12.66	146	843974	135.47	ug/l	95
89) n-Butylbenzene	12.93	91	1375599	124.88	ug/l	95
90) Hexachloroethane	13.00	117	349385	129.35	ug/l	99
91) 1,2-Dichlorobenzene	13.03	146	768919	128.11	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	99675	153.42	ug/l	91

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ClientSampleId :
VSTDICC150

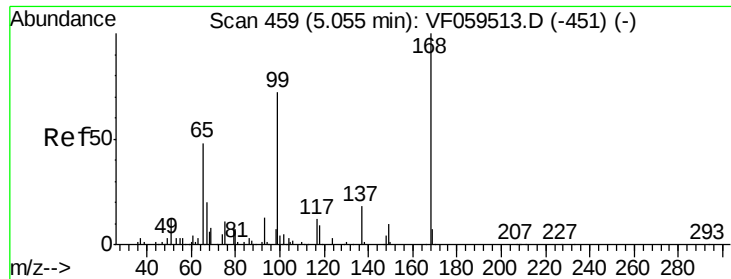
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	496836	132.37	ug/l	98
94) Hexachlorobutadiene	14.26	225	276003	166.16	ug/l	96
95) Naphthalene	14.53	128	1118336	140.03	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	534577	163.28	ug/l	98

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



#1

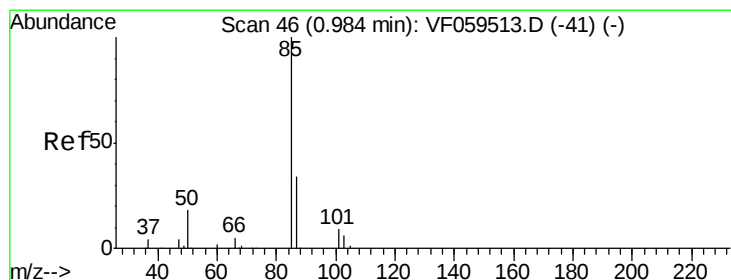
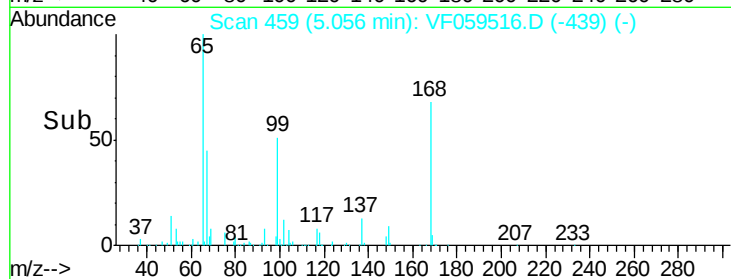
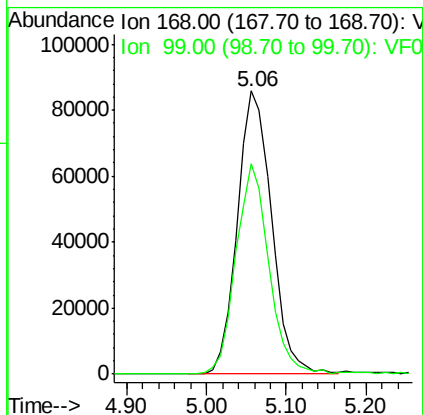
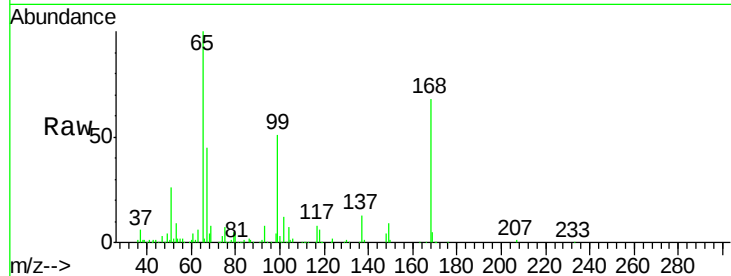
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
168	100		
99	74.6	57.6	86.4

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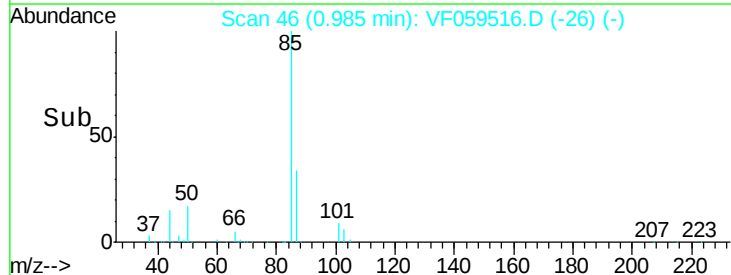
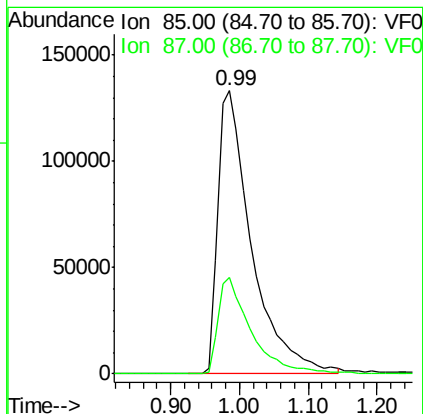
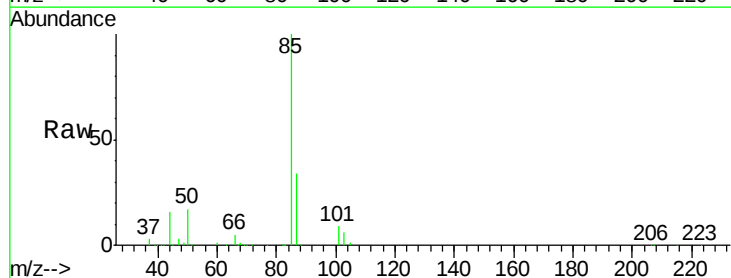
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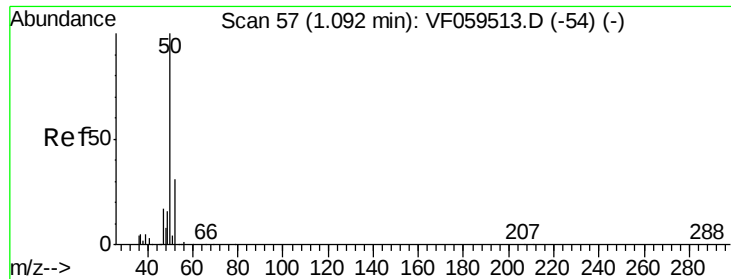


#2

Dichlorodifluoromethane
 Concen: 155.01 ug/l
 RT: 0.99 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.9	50.6





#3

Chloromethane

Concen: 156.07 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 255873

Ion Ratio Lower Upper

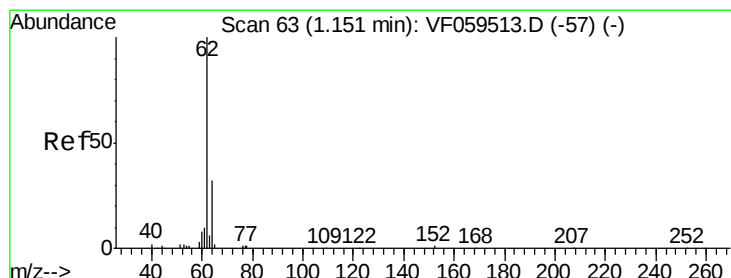
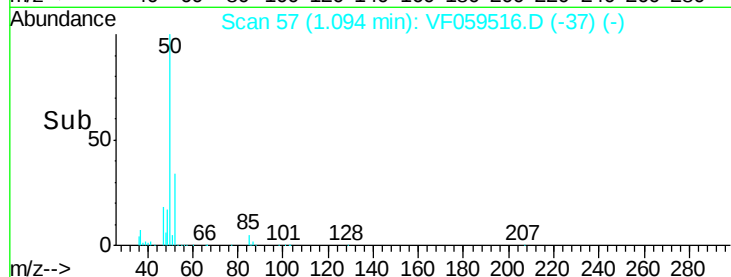
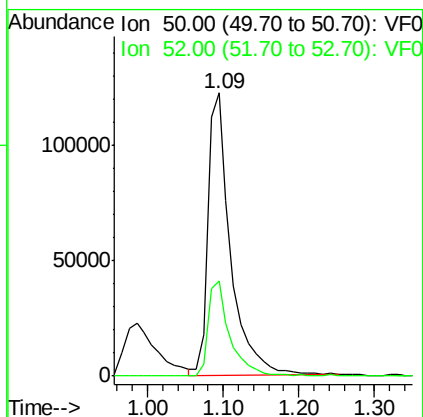
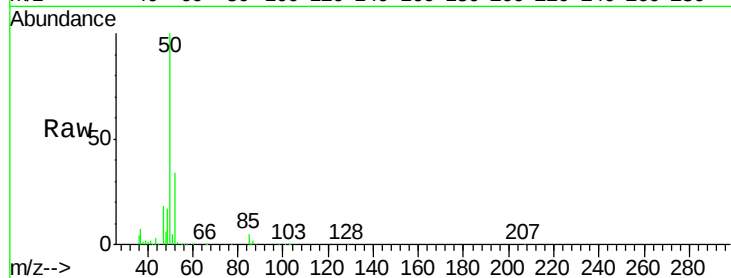
50 100

52 33.8 24.6 37.0

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#4

Vinyl Chloride

Concen: 155.83 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059516.D

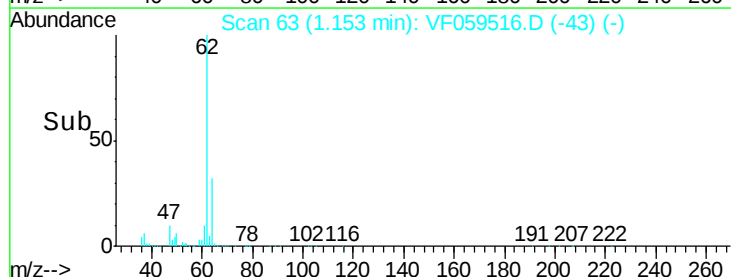
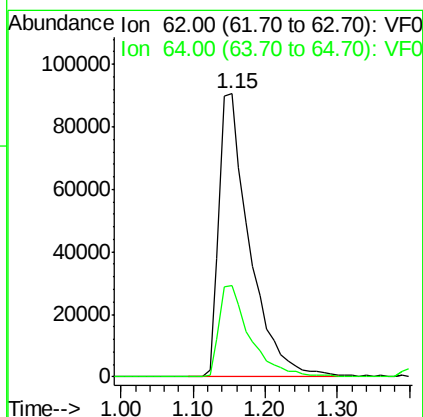
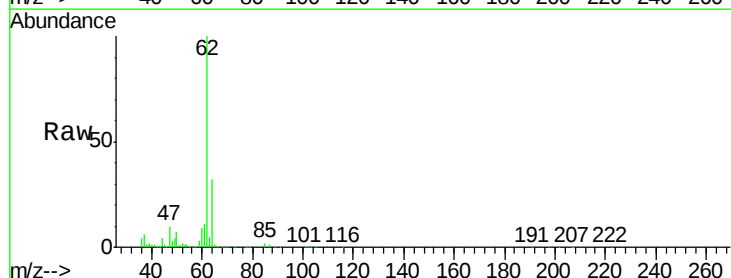
Acq: 17 Jul 2018 19:23

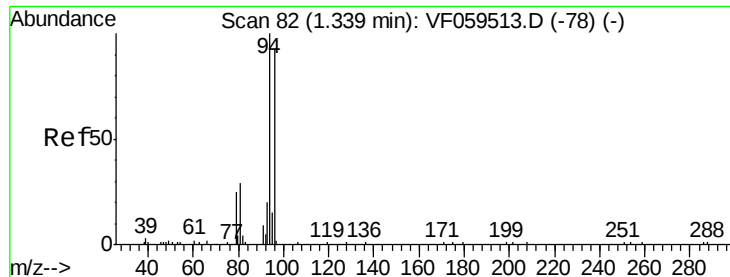
Tgt Ion: 62 Resp: 266123

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 149.20 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 177465

Ion Ratio Lower Upper

94 100

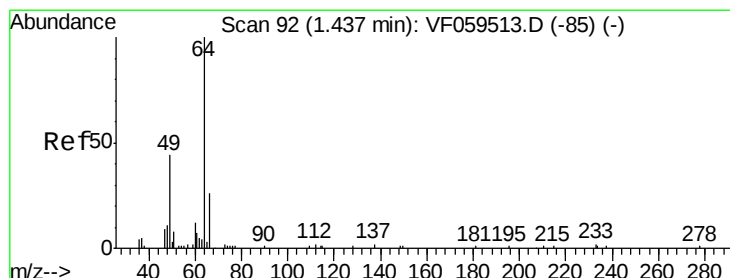
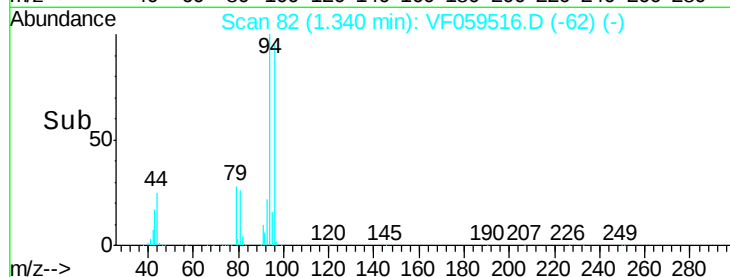
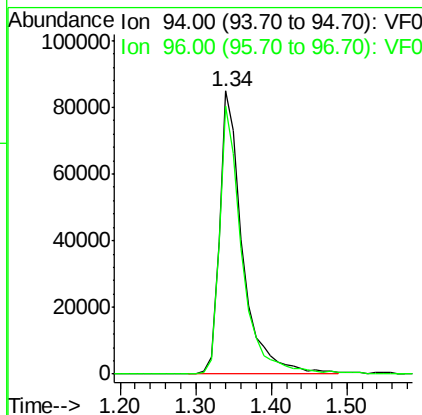
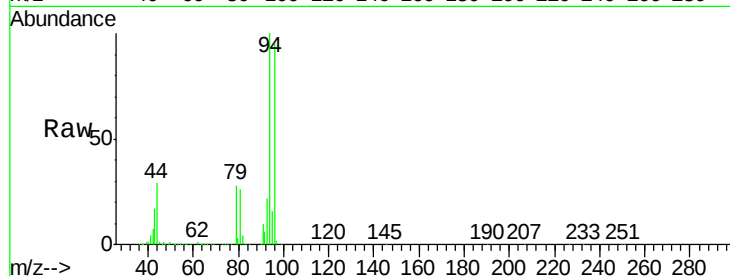
96 94.6 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 149.13 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059516.D

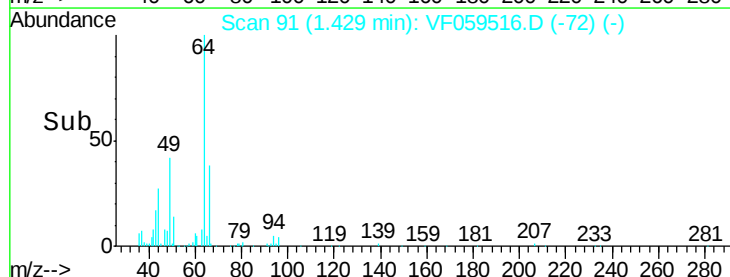
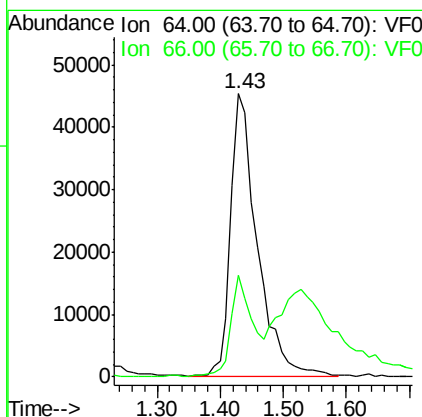
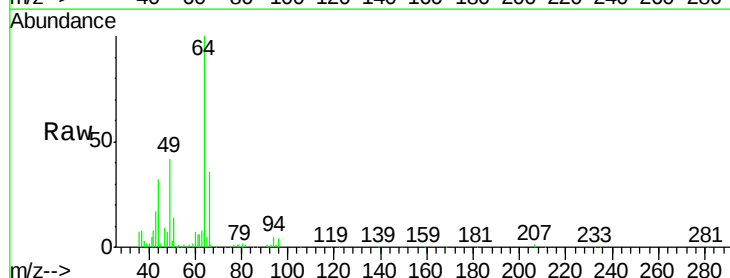
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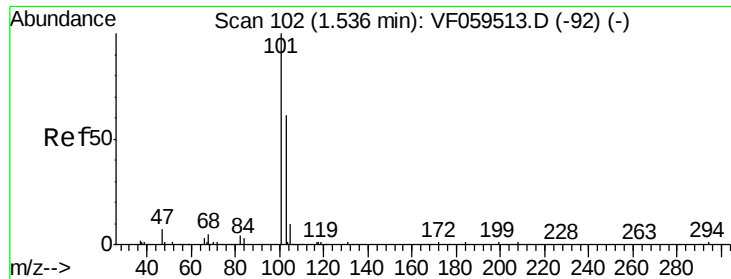
Tgt Ion: 64 Resp: 133262

Ion Ratio Lower Upper

64 100

66 36.1 22.9 34.3#





#7

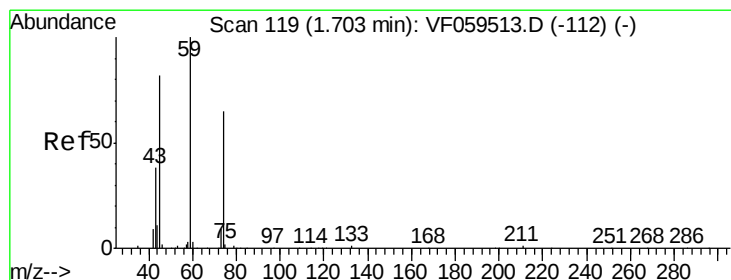
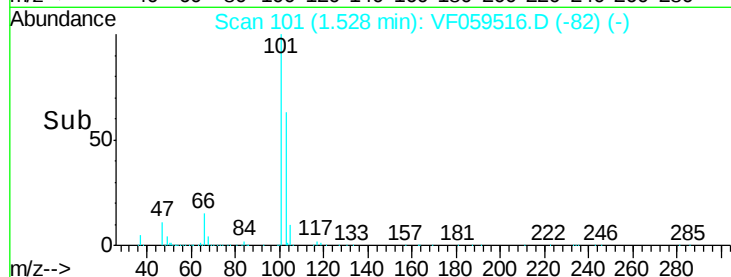
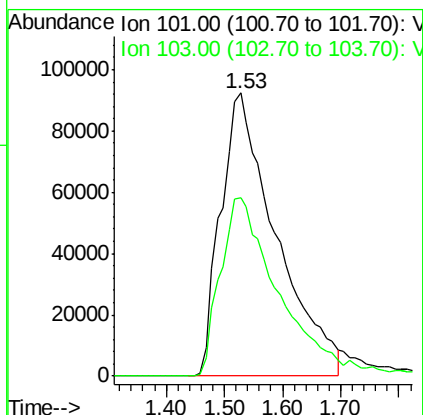
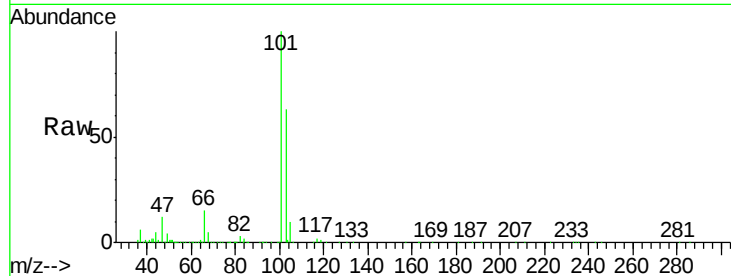
Trichlorofluoromethane
Concen: 155.68 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	48.6	72.8

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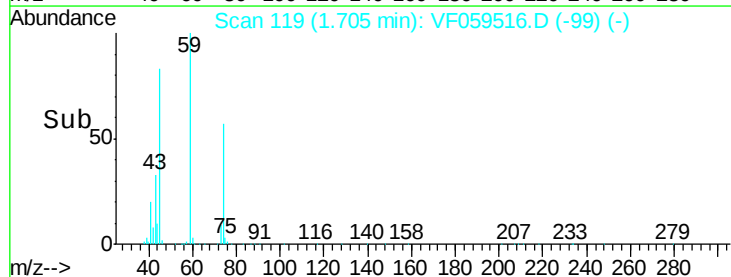
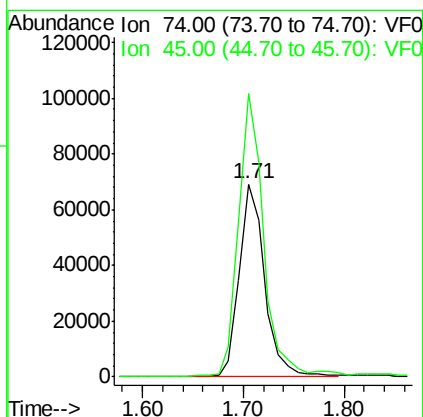
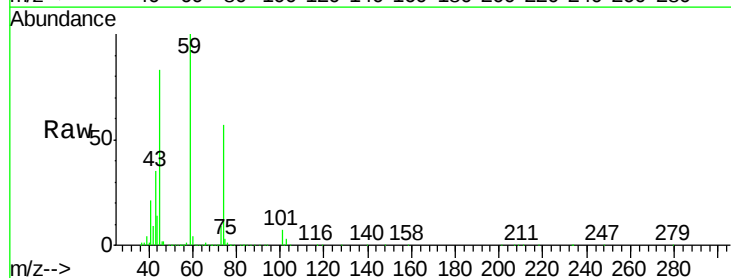
apatel
7/18/2018 3:16:21 PM

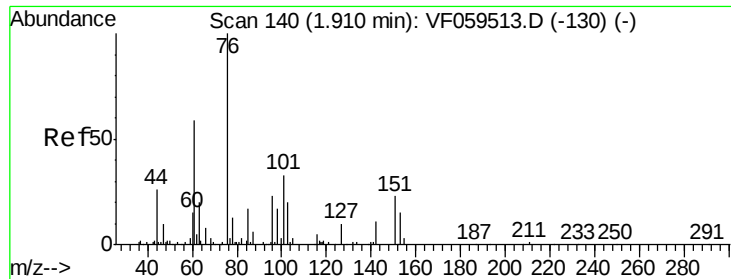


#8

Diethyl Ether
Concen: 153.52 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	146.6	63.6	190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 153.13 ug/l m

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

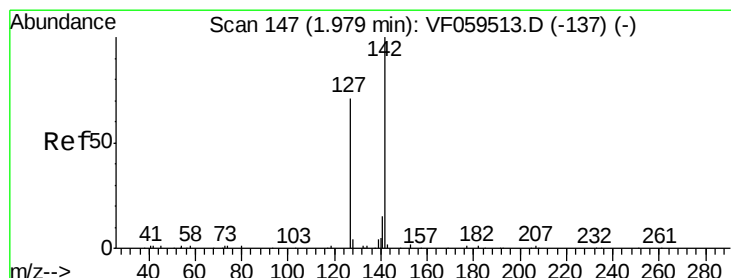
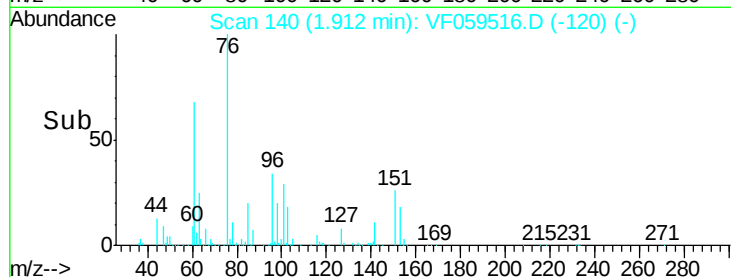
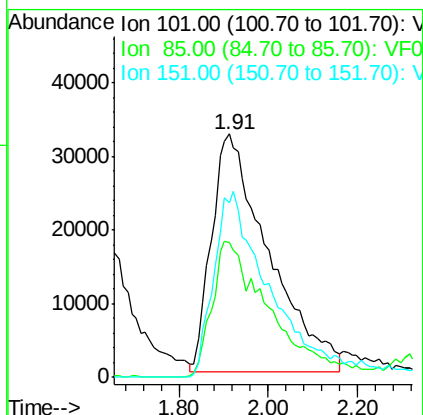
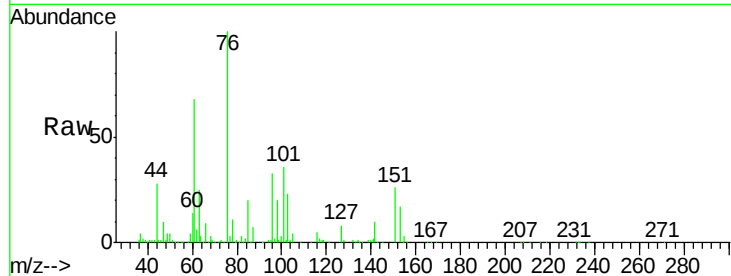
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	285115
Ion Ratio	Lower	Upper	
101	100		
85	55.4	39.8	59.6
151	71.9	54.2	81.2

Manual Integrations
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#10

Methyl Iodide

Concen: 154.84 ug/l

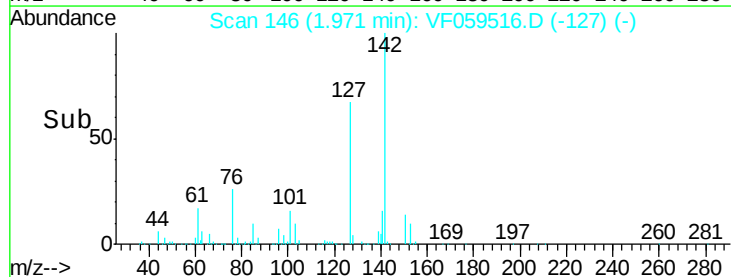
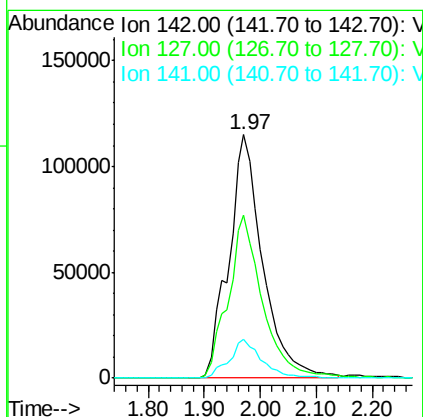
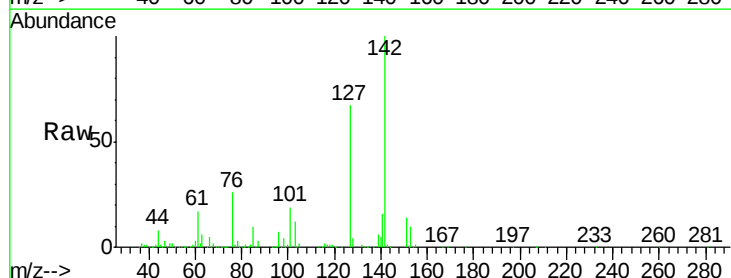
RT: 1.97 min Scan# 146

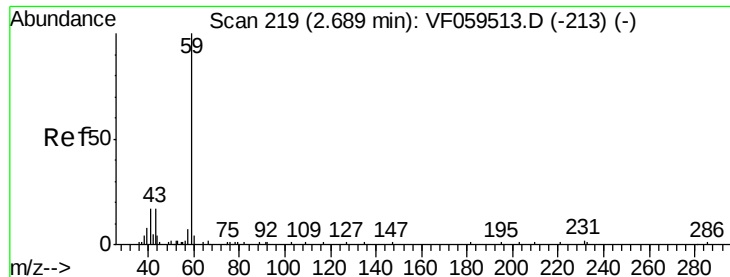
Delta R.T. -0.01 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion:	142	Resp:	485924
Ion Ratio	Lower	Upper	
142	100		
127	67.1	56.4	84.6
141	16.0	12.0	18.0





#11

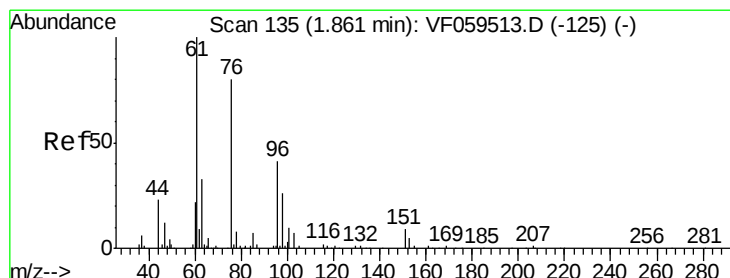
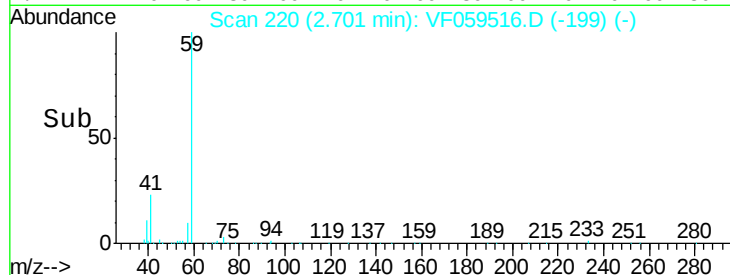
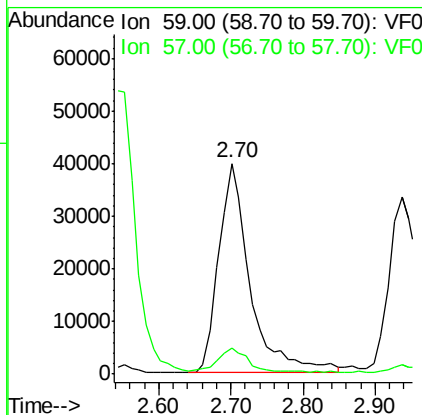
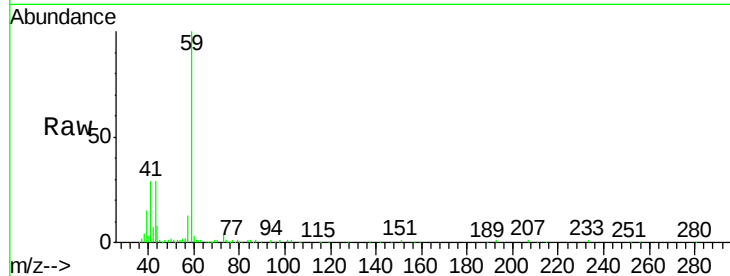
Tert butyl alcohol
Concen: 673.20 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.7	7.7	11.5#

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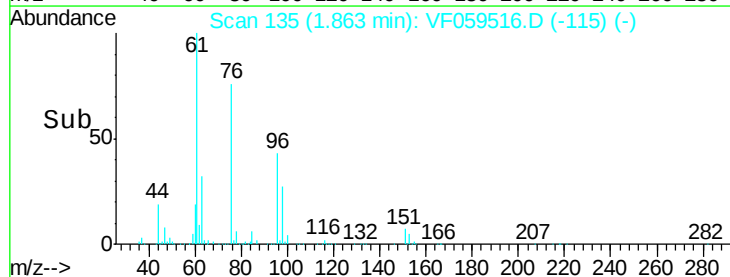
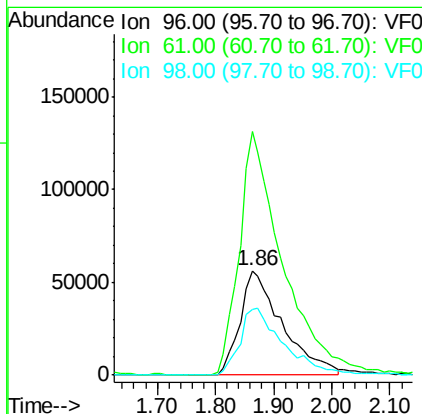
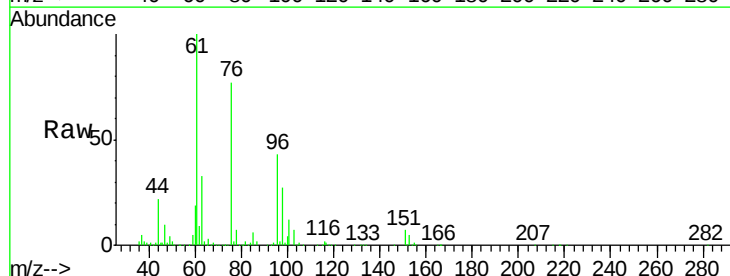
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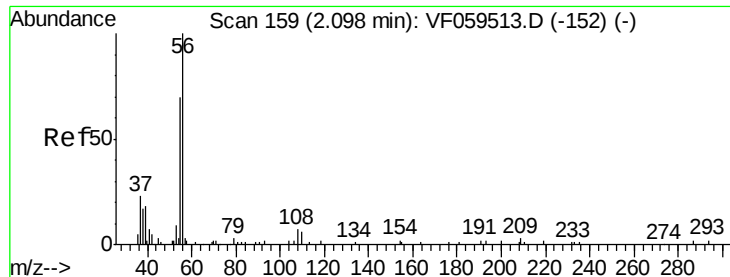


#12

1,1-Dichloroethene
Concen: 158.85 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	233.1	194.3	291.5
98	63.2	50.3	75.5





#13

Acrolein

Concen: 445.02 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 44477

Ion Ratio Lower Upper

56 100

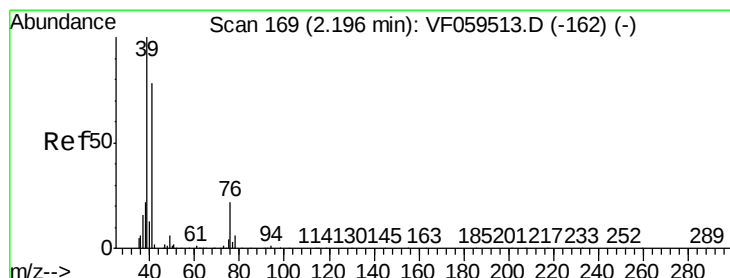
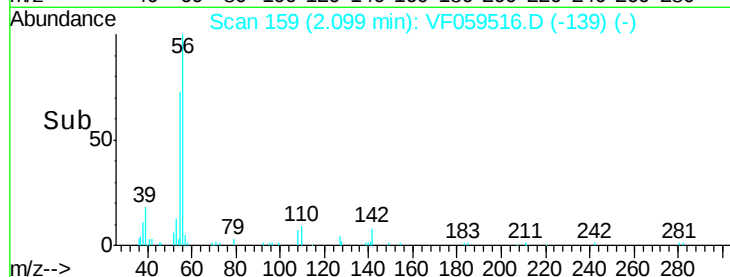
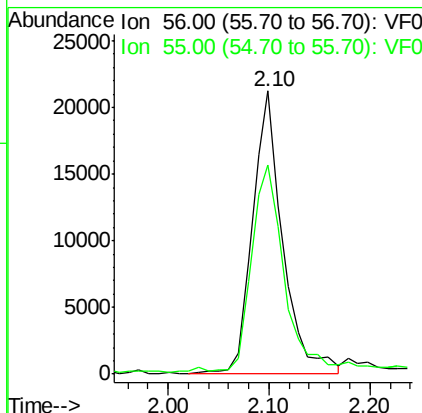
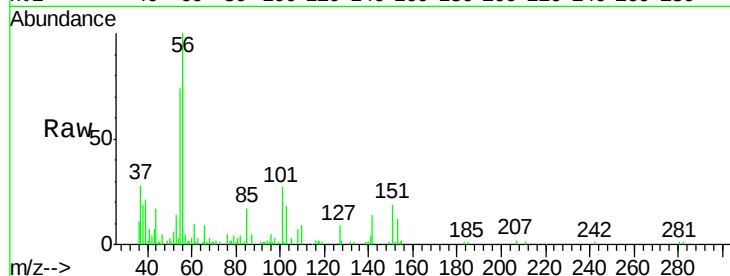
55 74.0 59.4 89.2

Manual Integrations

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#14

Allyl chloride

Concen: 150.60 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

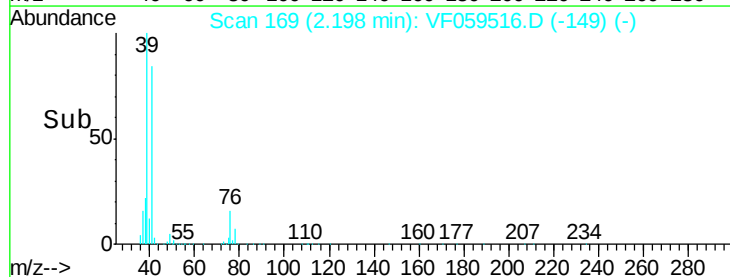
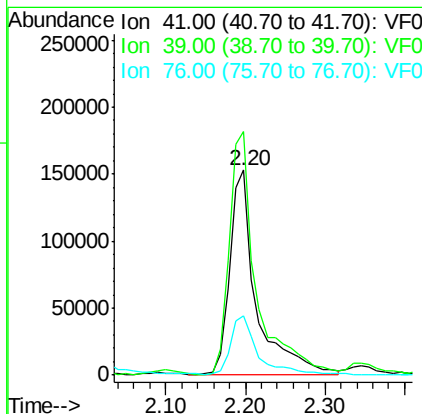
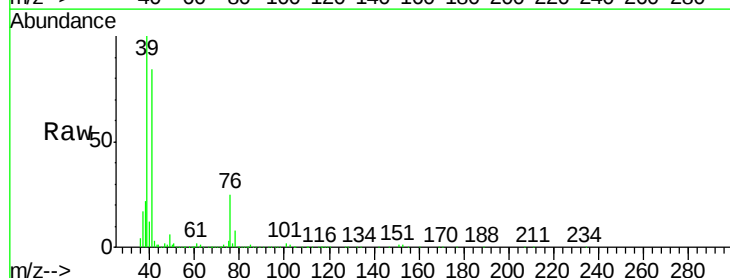
Tgt Ion: 41 Resp: 355193

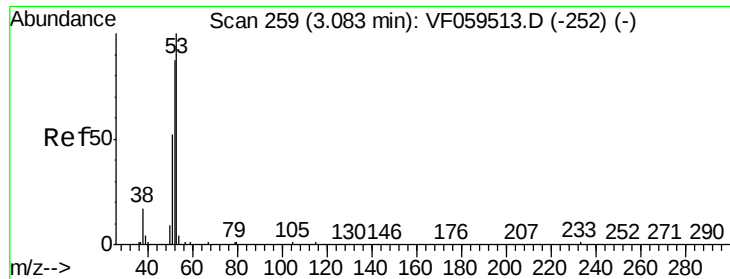
Ion Ratio Lower Upper

41 100

39 118.9 103.0 154.4

76 29.2 22.6 34.0





#15

Acrylonitrile

Concen: 703.68 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

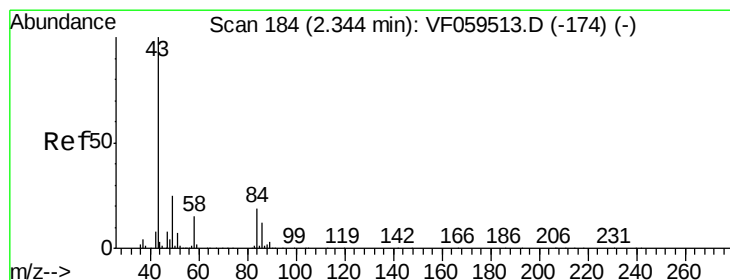
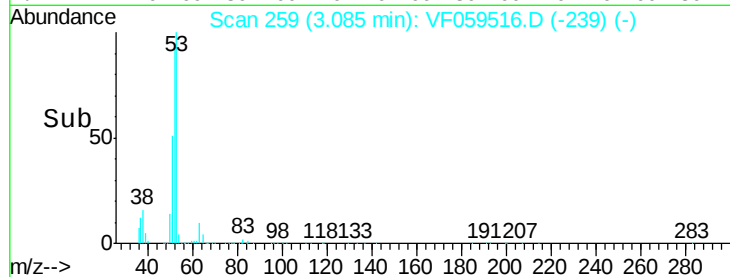
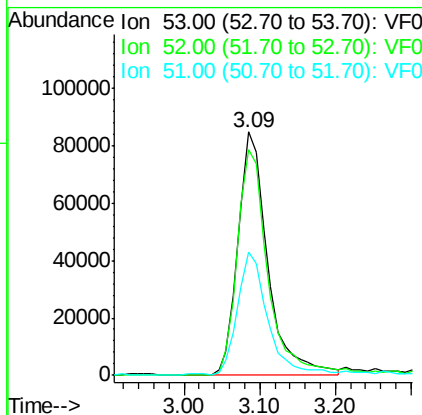
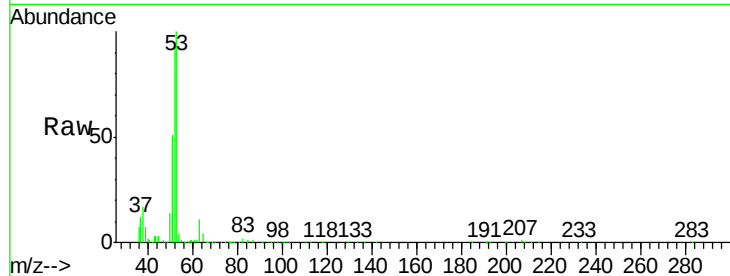
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	232304
Ion Ratio		Lower	Upper
53	100		
52	92.9	70.1	105.1
51	50.8	42.5	63.7

Manual Integrations
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#16

Acetone

Concen: 607.43 ug/l

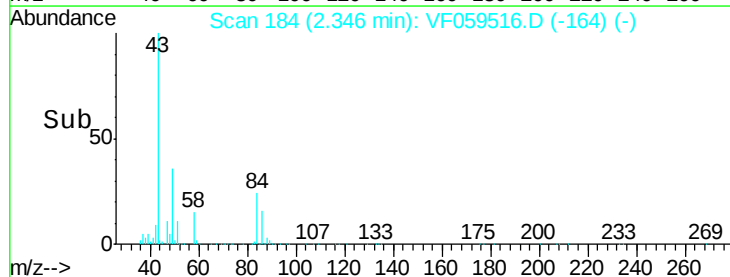
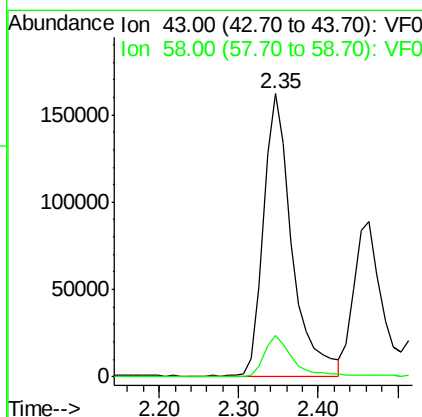
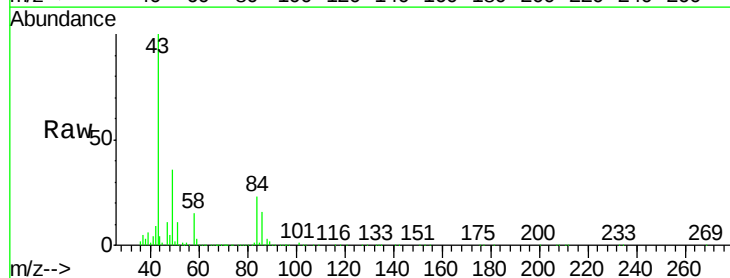
RT: 2.35 min Scan# 184

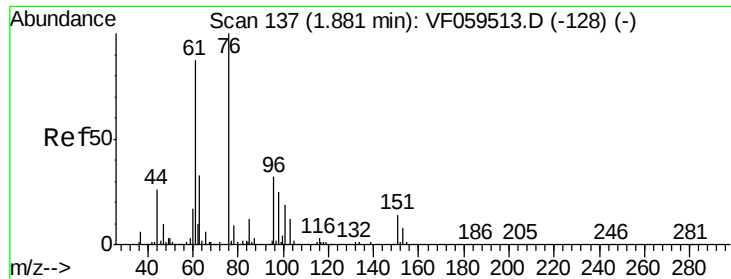
Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion:	43	Resp:	397948
Ion Ratio		Lower	Upper
43	100		
58	14.8	11.8	17.6





#17

Carbon Disulfide

Concen: 146.69 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 716031

Ion Ratio Lower Upper

76 100

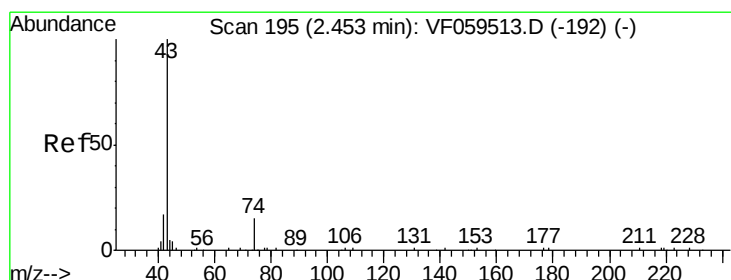
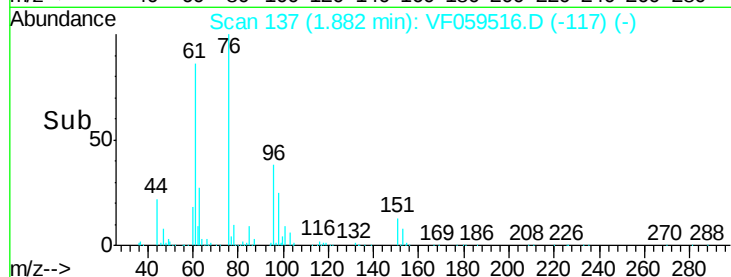
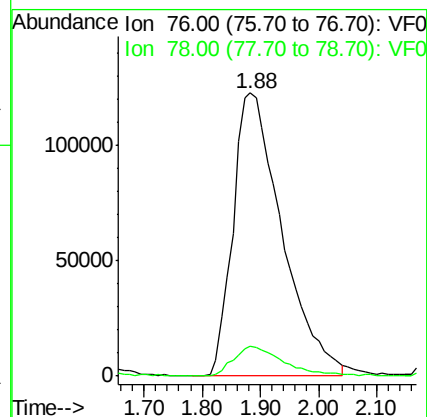
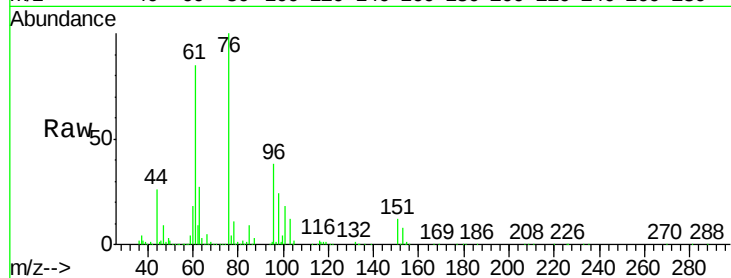
78 10.6 7.8 11.6

Manual Integrations

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#18

Methyl Acetate

Concen: 131.90 ug/l m

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF059516.D

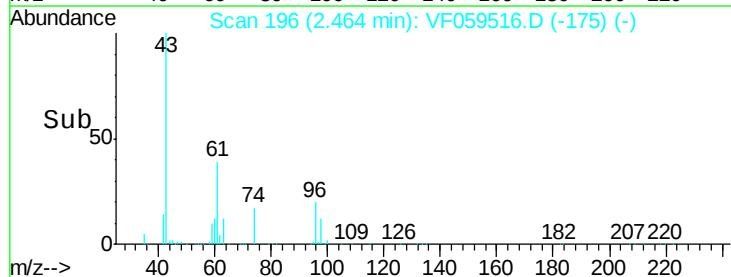
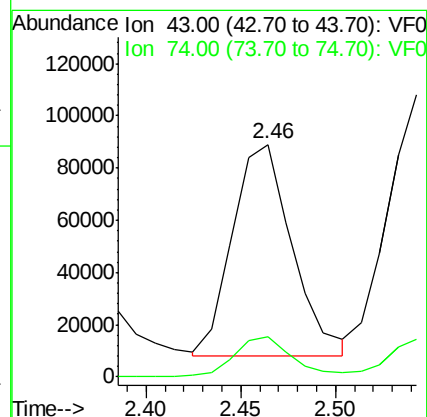
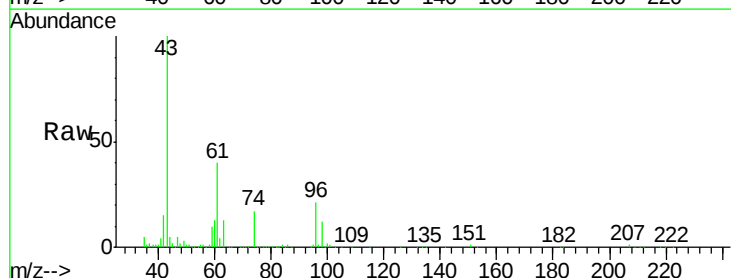
Acq: 17 Jul 2018 19:23

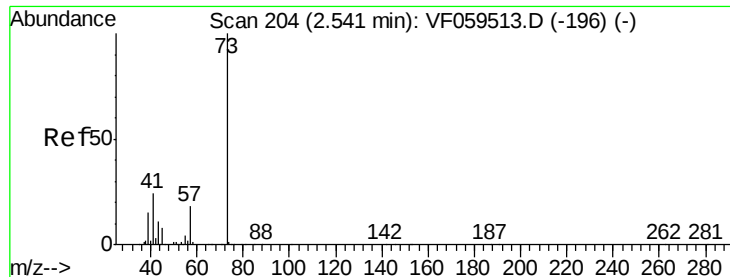
Tgt Ion: 43 Resp: 177417

Ion Ratio Lower Upper

43 100

74 17.4 10.6 15.8#





#19

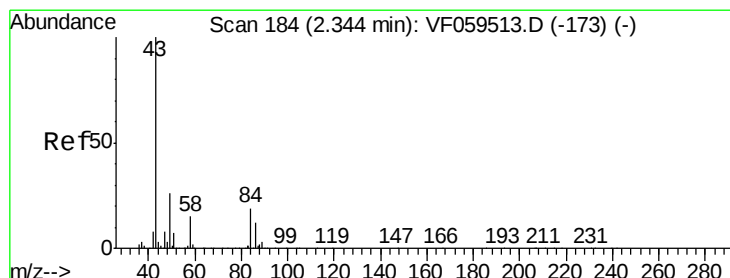
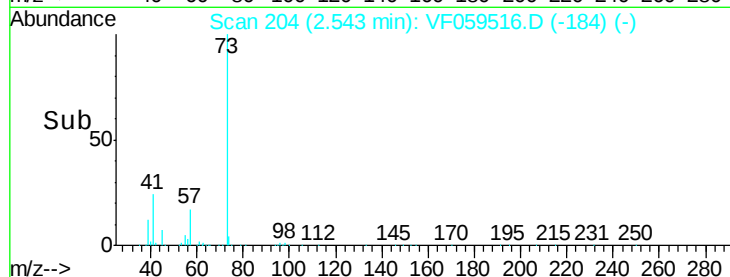
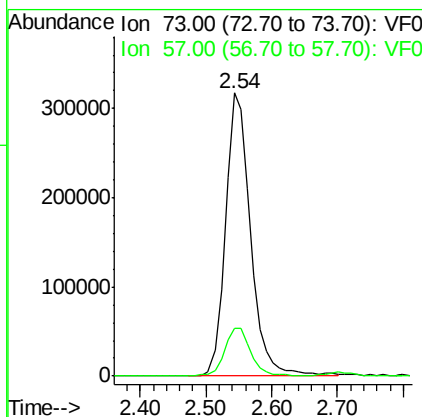
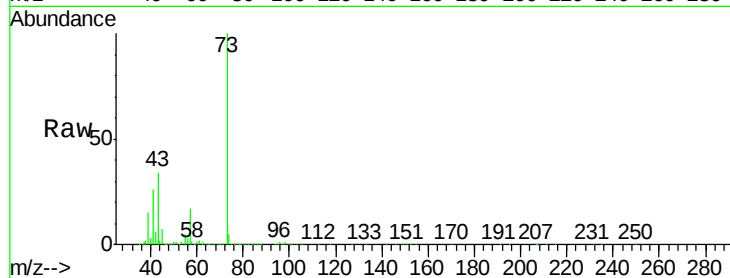
Methvl tert-butvl Ether
 Concen: 144.05 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	73	Resp	847274
Ion Ratio	Lower	Upper	
73	100		
57	17.0	14.3	21.5

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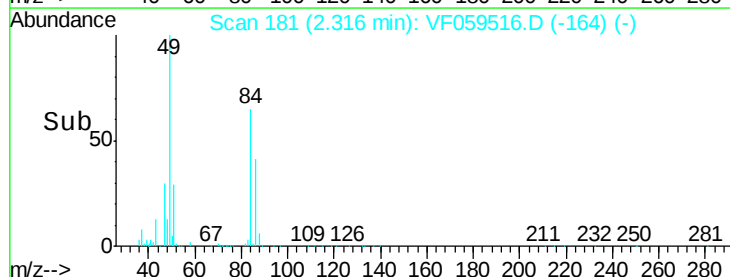
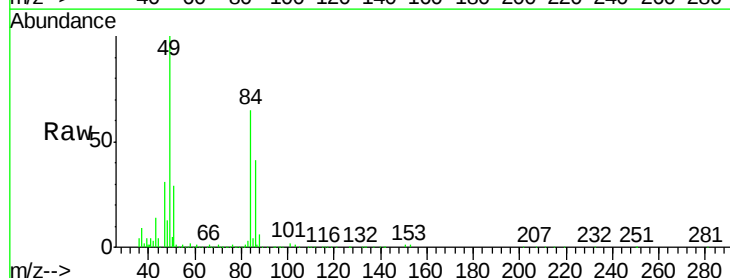
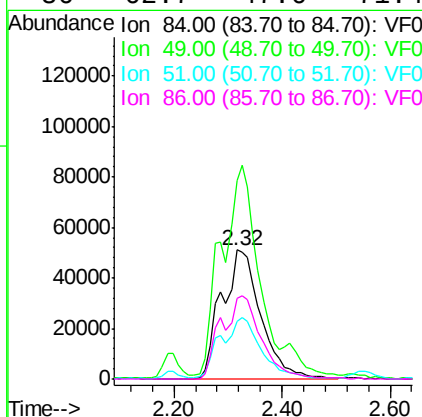
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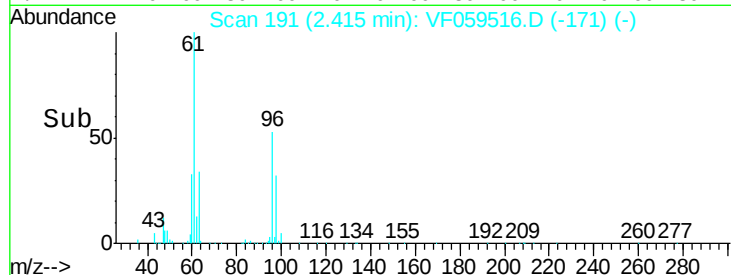
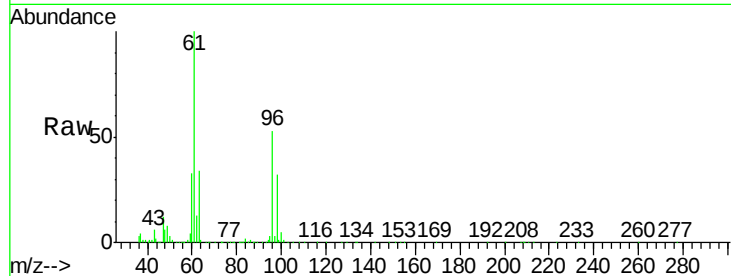
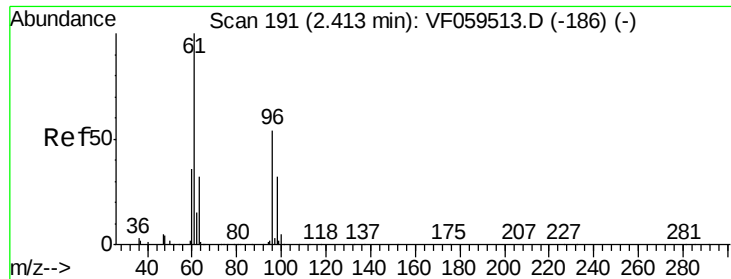


#20

Methylene Chloride
 Concen: 110.81 ug/l
 RT: 2.32 min Scan# 181
 Delta R.T. -0.03 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion	84	Resp	259902
Ion Ratio	Lower	Upper	
84	100		
49	154.1	109.4	164.2
51	44.2	30.5	45.7
86	62.7	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 160.27 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059516.D

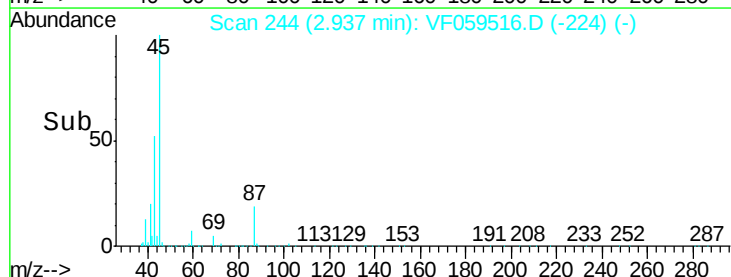
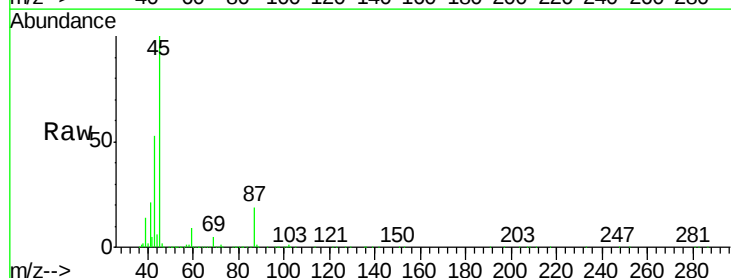
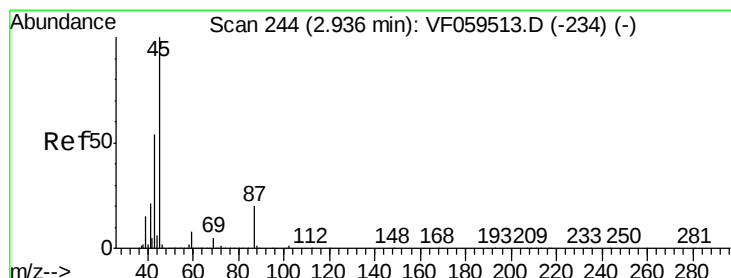
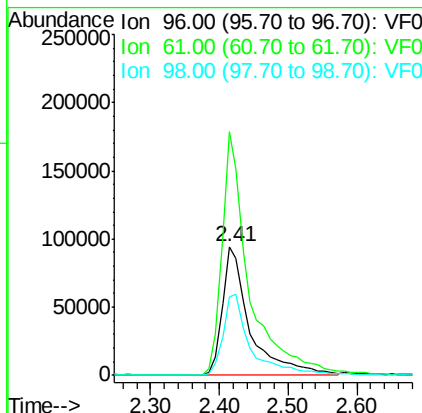
Acq: 17 Jul 2018 19:23

Tot Ion:	96	Resp:	262564
Ion	Ratio	Lower	Upper
96	100		
61	188.9	149.8	224.8
98	61.0	47.8	71.8

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Manual Integrations
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#22

Diisopropyl ether

Concen: 149.41 ug/l

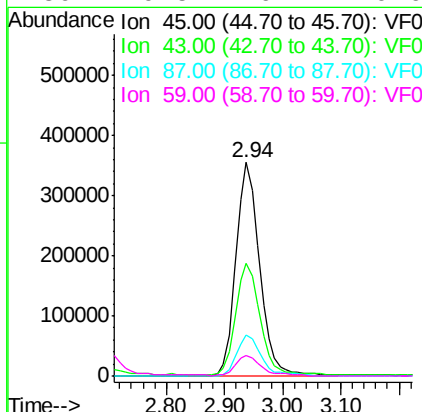
RT: 2.94 min Scan# 244

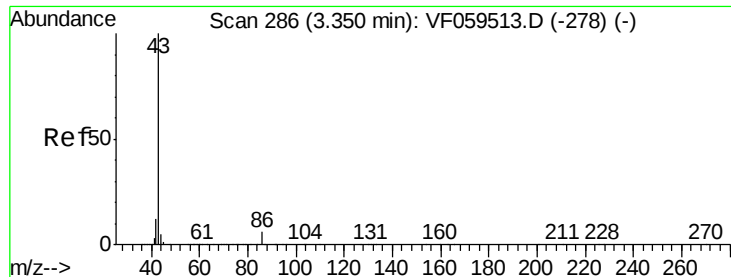
Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion:	45	Resp:	1010209
Ion	Ratio	Lower	Upper
45	100		
43	52.8	43.6	65.4
87	19.2	15.6	23.4
59	9.5	6.4	9.6





#23

Vinyl Acetate

Concen: 697.81 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2741858

Ion Ratio Lower Upper

43 100

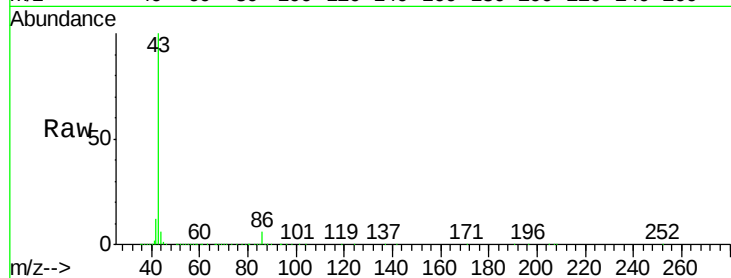
86 6.2 4.4 6.6

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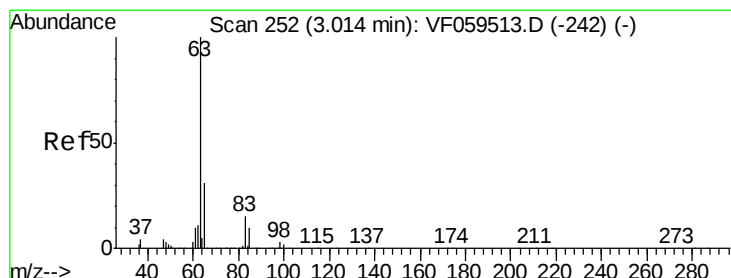
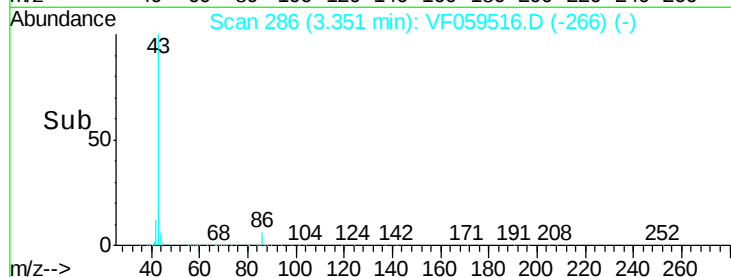
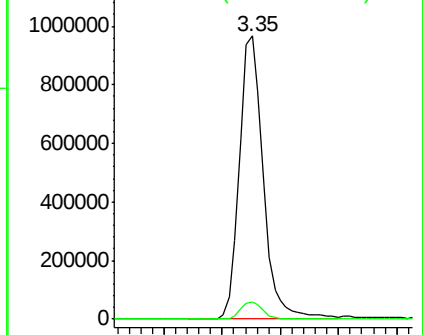
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 158.90 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

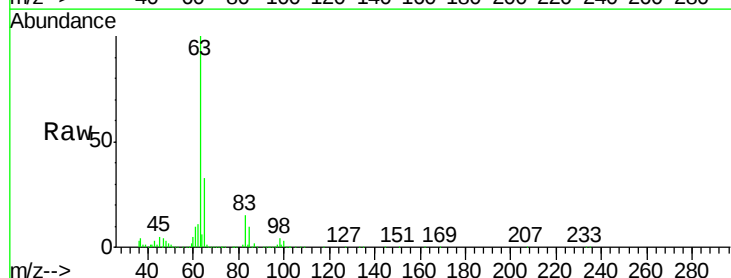
Tgt Ion: 63 Resp: 609906

Ion Ratio Lower Upper

63 100

98 4.3 1.8 5.4

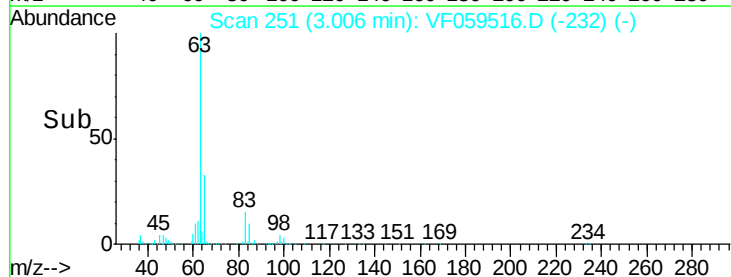
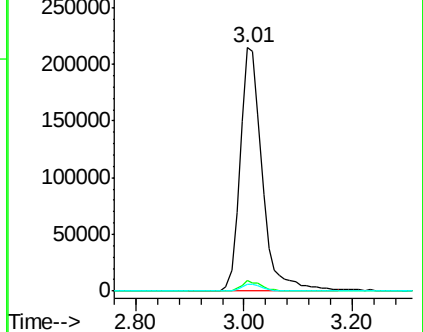
100 3.0 1.3 3.8

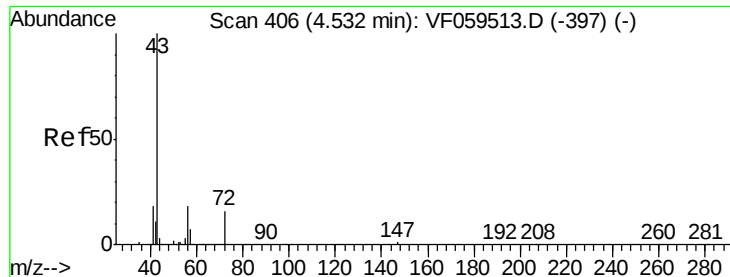


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 638.54 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 608066

Ion Ratio Lower Upper

43 100

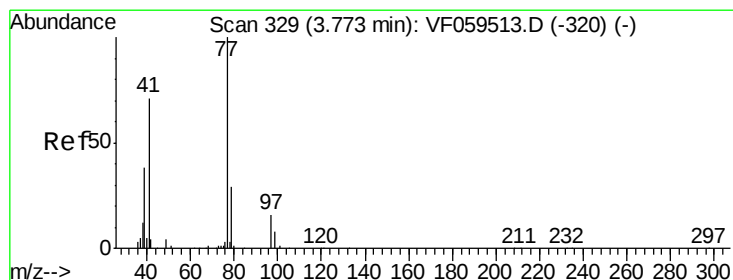
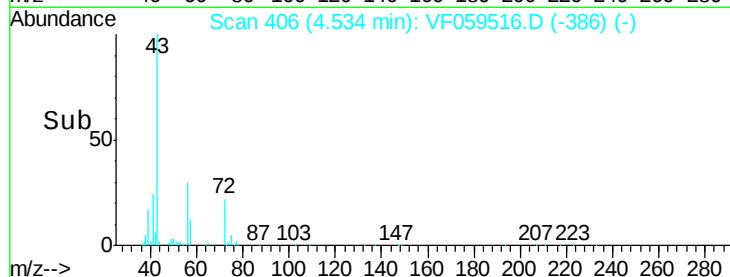
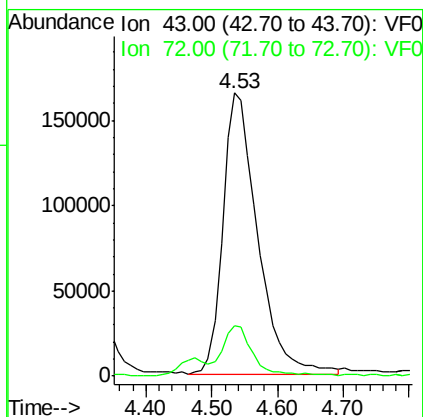
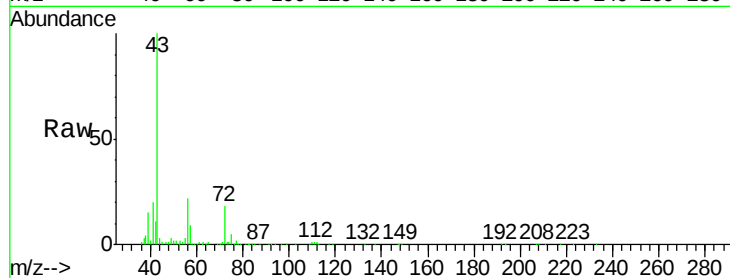
72 17.7 14.2 21.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 133.58 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059516.D

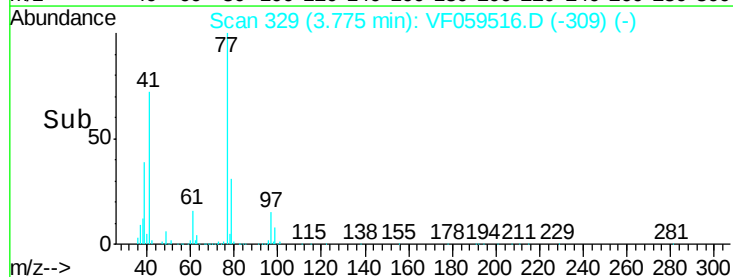
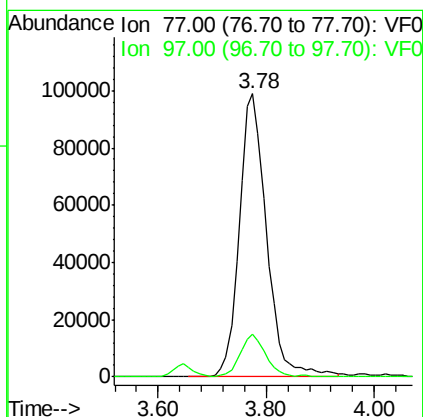
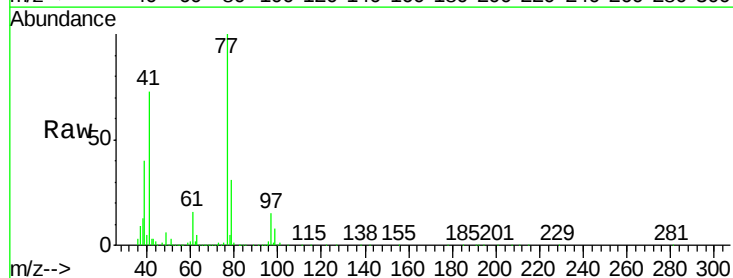
Acq: 17 Jul 2018 19:23

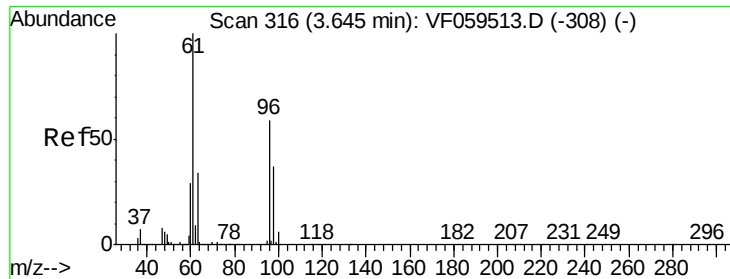
Tgt Ion: 77 Resp: 344107

Ion Ratio Lower Upper

77 100

97 14.9 8.1 24.3





#27

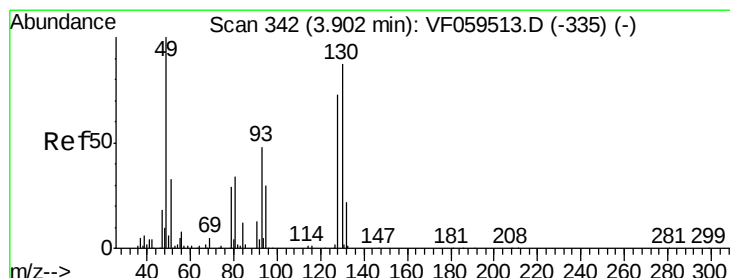
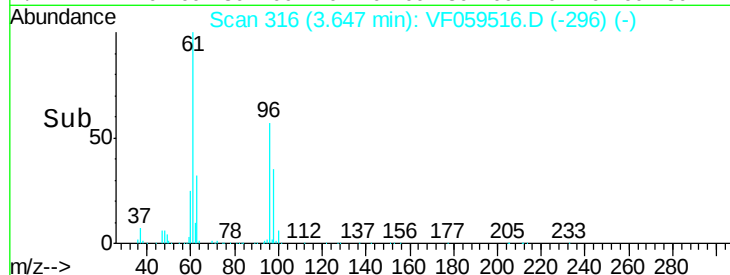
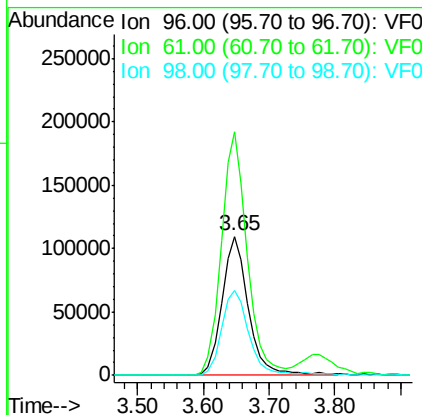
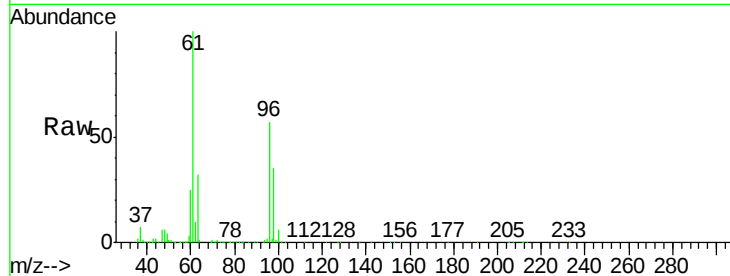
cis-1,2-Dichloroethene
Concen: 136.85 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.8	0.0	339.0
98	60.9	0.0	125.4

Manual Integrations
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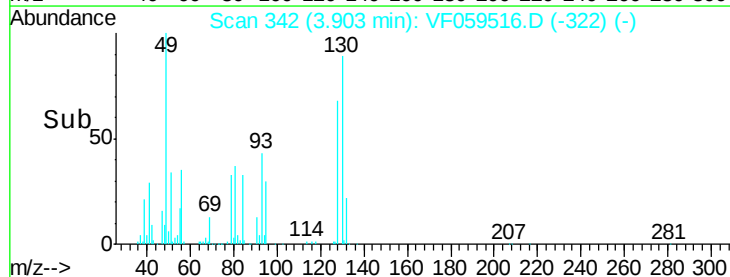
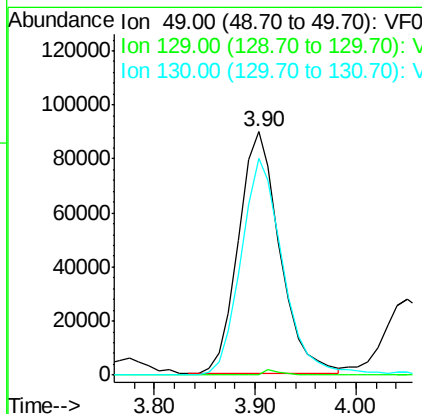
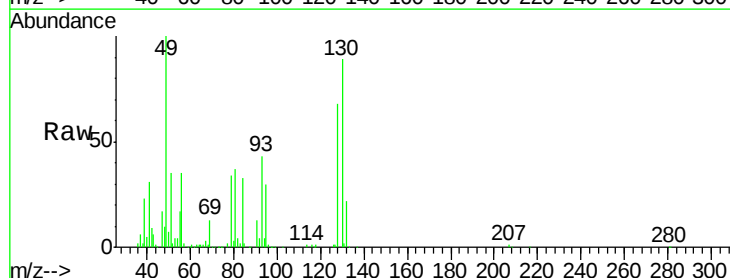
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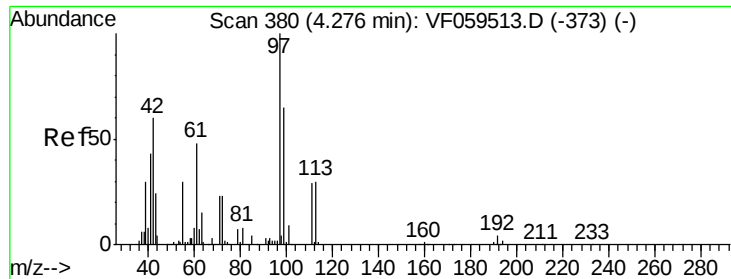


#28

Bromochloromethane
Concen: 142.81 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	88.8	69.8	104.6





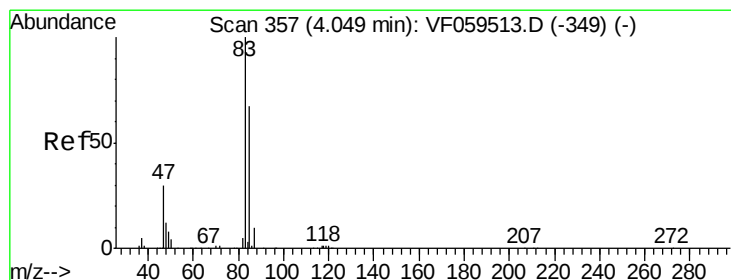
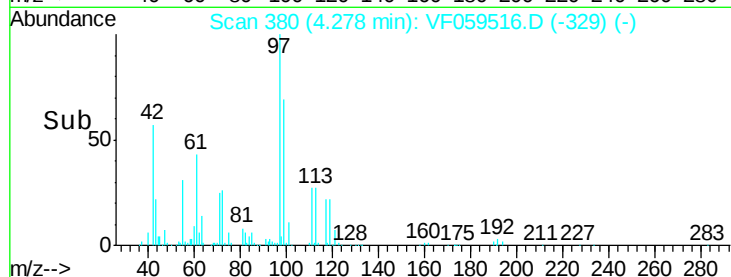
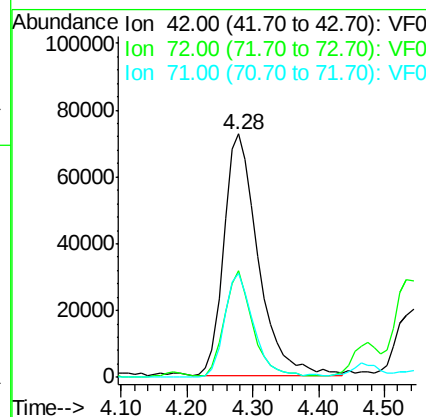
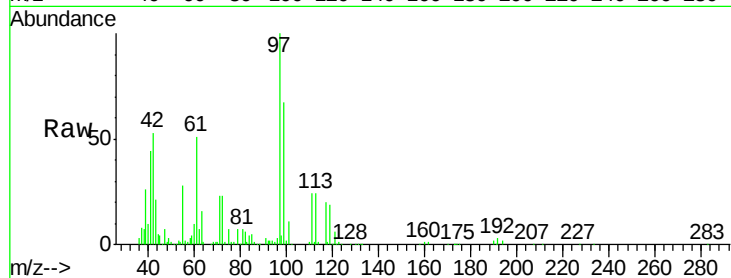
#29
Tetrahydrofuran
Concen: 640.07 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	28.7	43.1
71	36.8	30.8	46.2

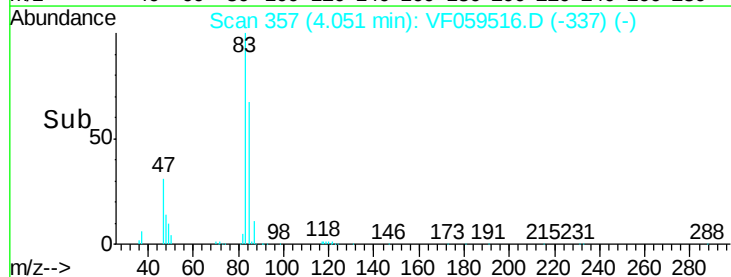
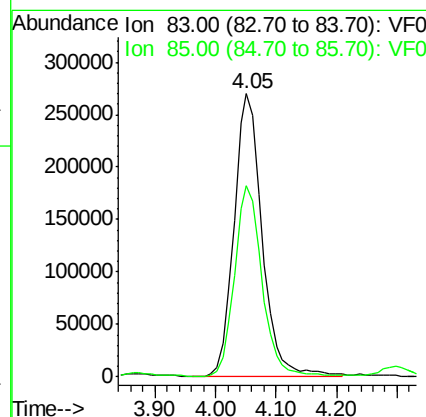
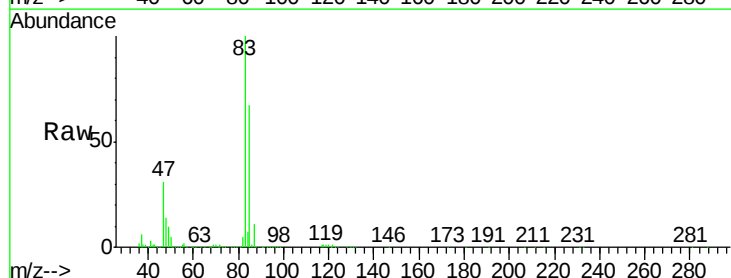
Manual Integrations
APPROVED

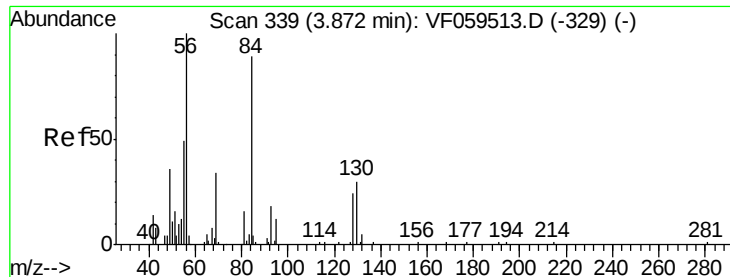
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#30
Chloroform
Concen: 150.38 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	53.2	79.8





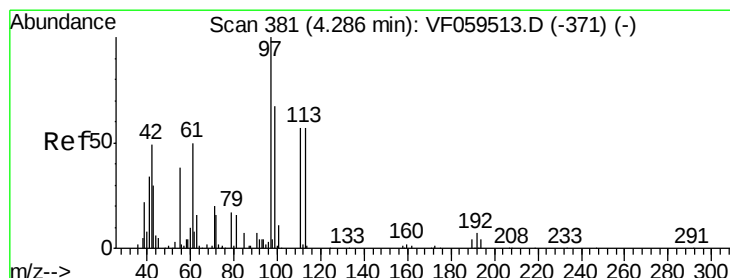
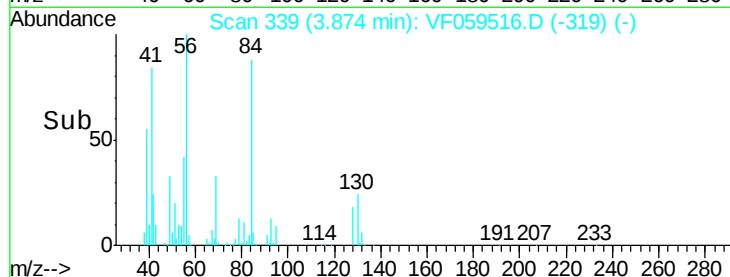
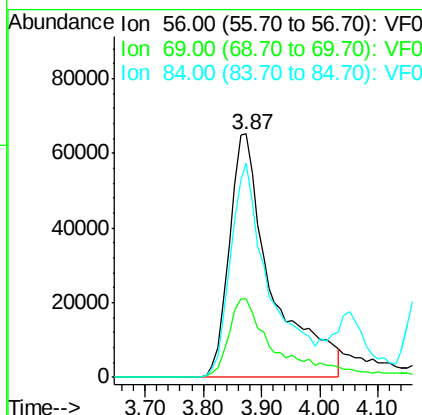
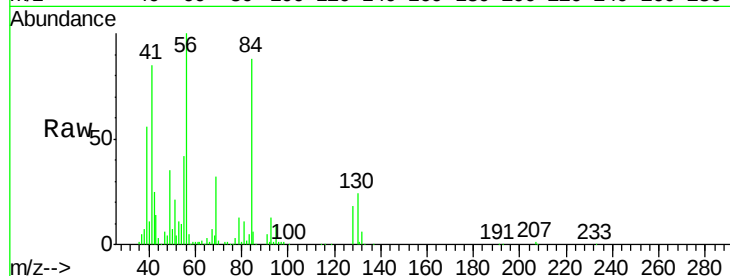
#31
Cyclohexane
Concen: 150.96 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.6	41.4
84	87.9	71.4	107.2

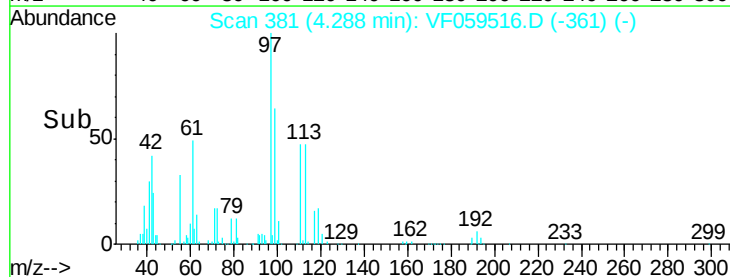
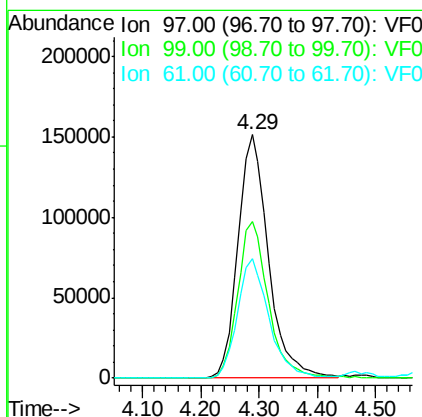
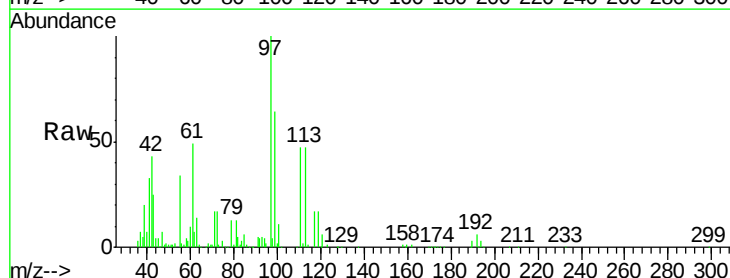
Manual Integrations
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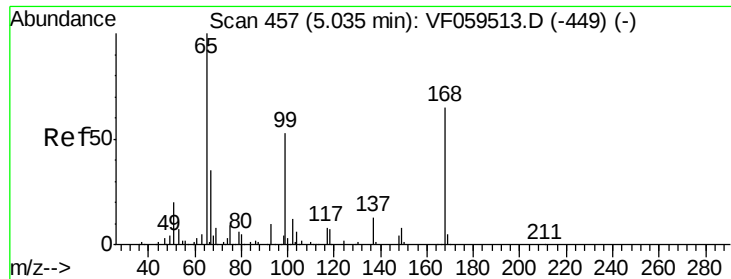
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#32
1,1,1-Trichloroethane
Concen: 138.65 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	53.5	80.3
61	48.8	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 146.48 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059516.D

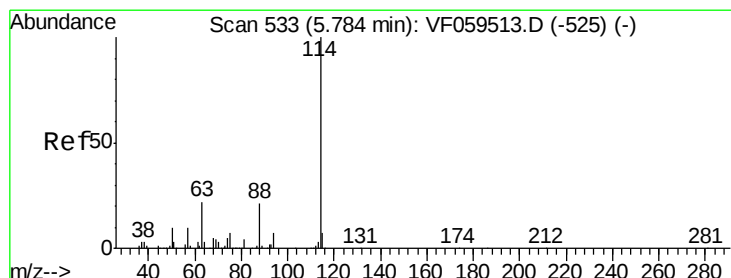
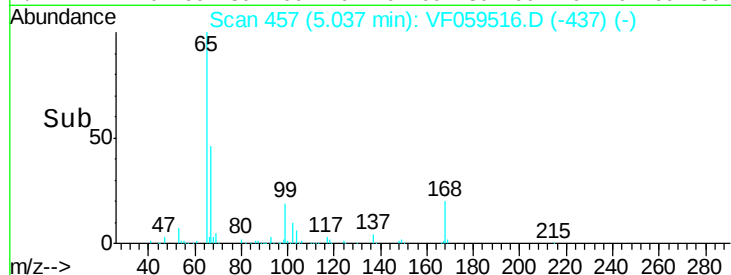
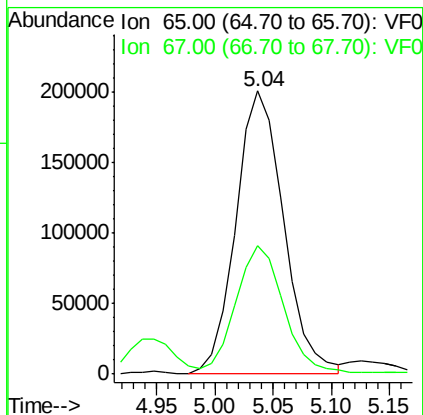
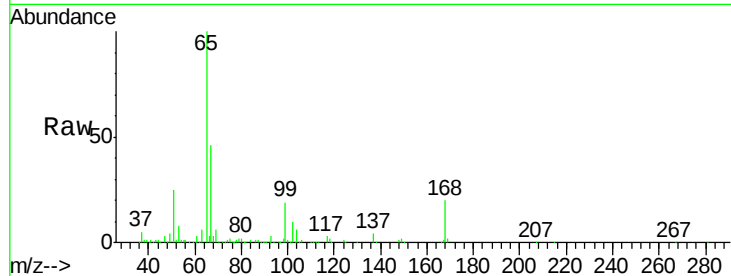
Acq: 17 Jul 2018 19:23

Tot Ion	Ratio	Resp	Lower	Upper
65	100	564990		
67	45.5	0.0	91.2	

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

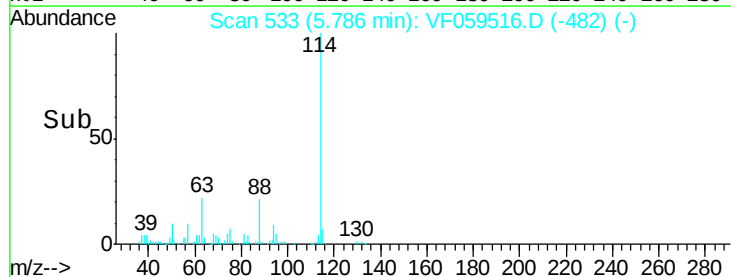
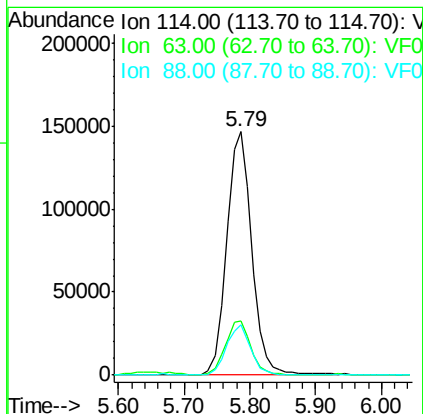
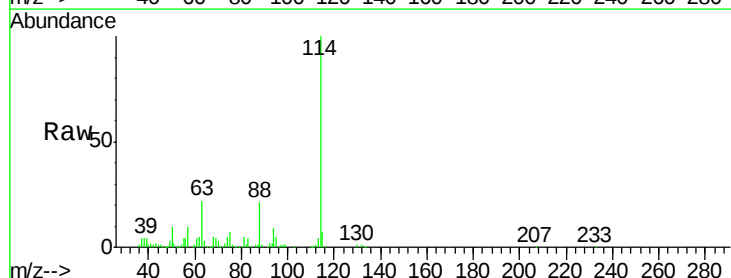
RT: 5.79 min Scan# 533

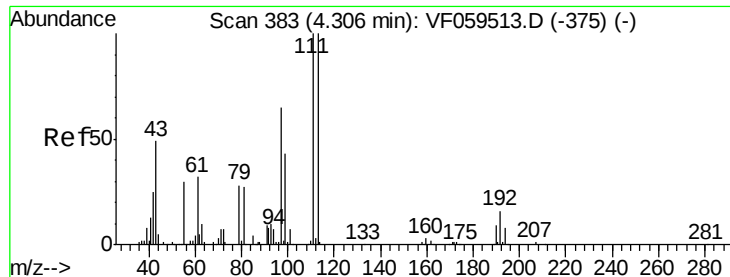
Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	391843		
63	22.2	0.0	44.8	
88	20.8	0.0	42.6	





#35

Dibromofluoromethane

Concen: 137.77 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

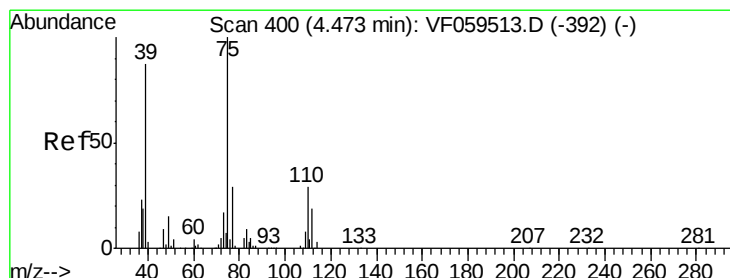
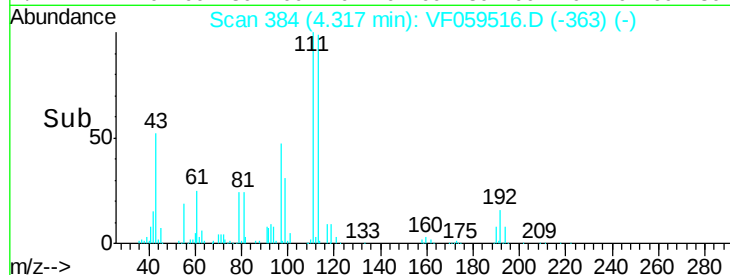
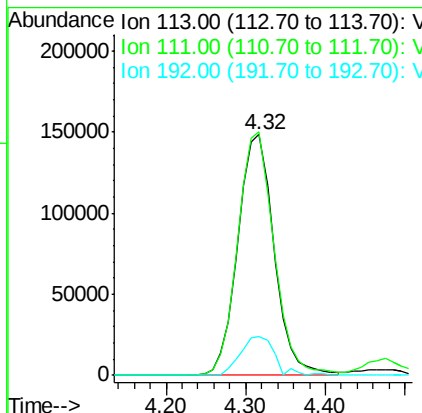
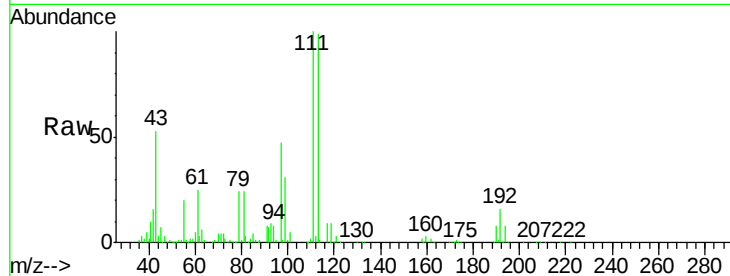
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	468856
Ion Ratio	Lower	Upper	
113	100		
111	101.3	80.3	120.5
192	16.4	13.1	19.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 138.49 ug/l

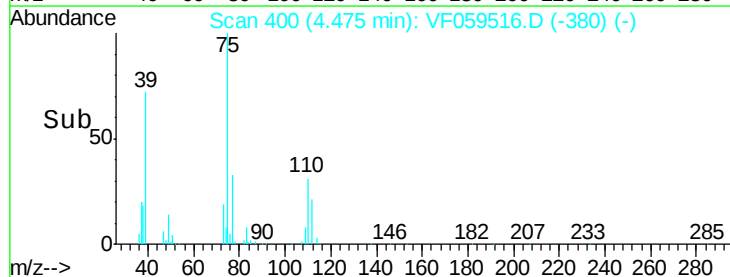
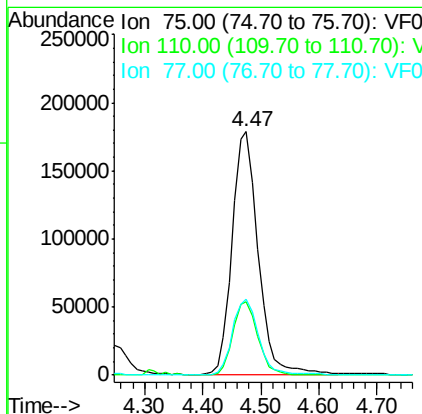
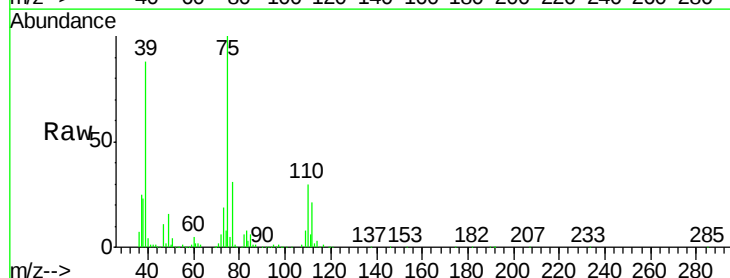
RT: 4.47 min Scan# 400

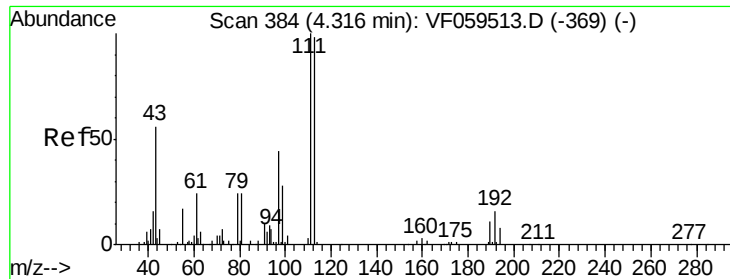
Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion:	75	Resp:	552645
Ion Ratio	Lower	Upper	
75	100		
110	30.2	14.6	43.8
77	31.4	23.7	35.5





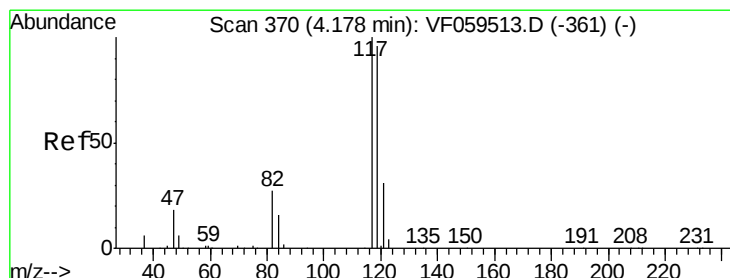
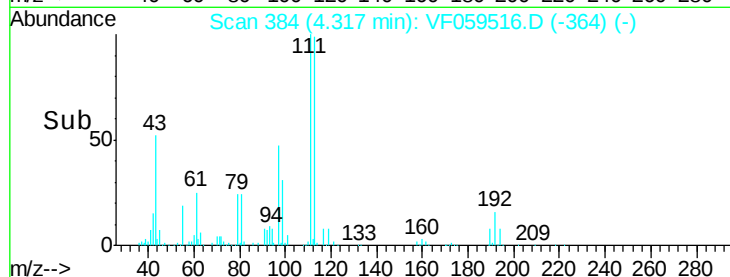
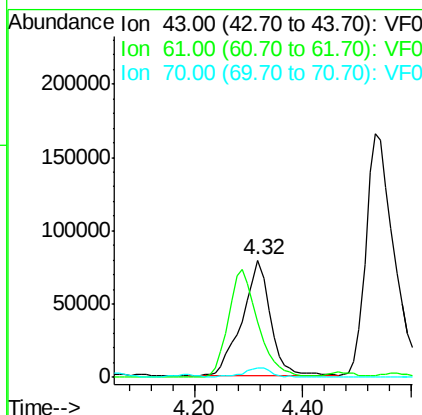
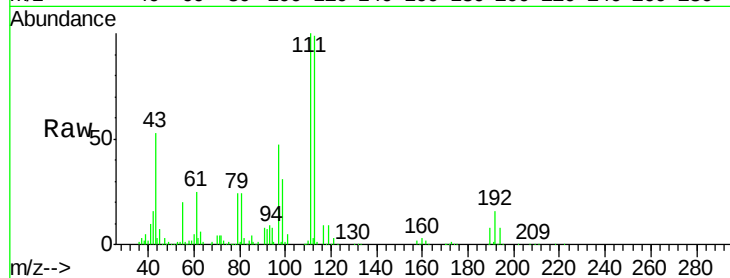
#37
Ethyl Acetate
Concen: 117.71 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	47.1	33.7	50.5
70	7.7	7.4	11.0

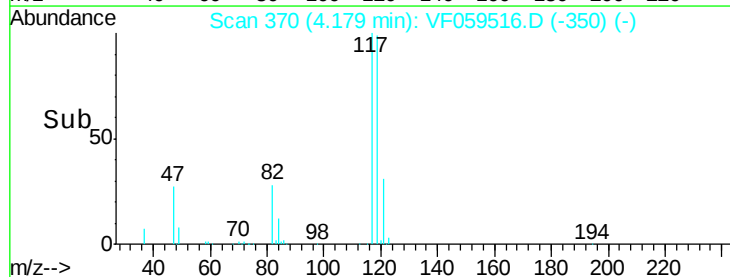
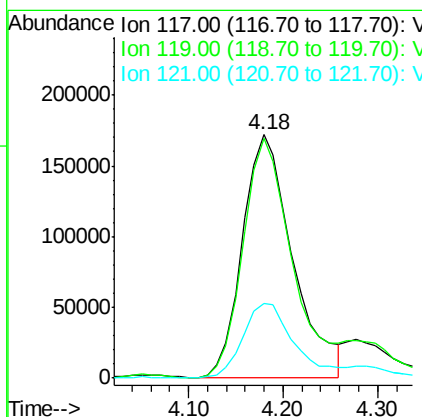
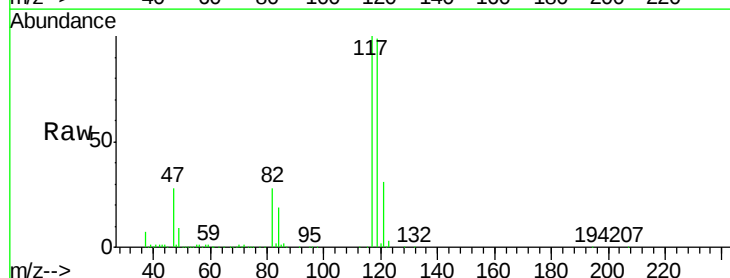
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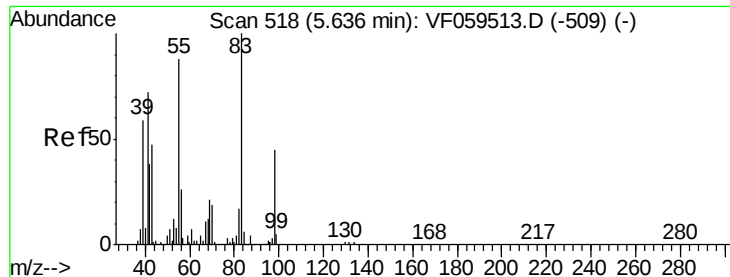
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#38
Carbon Tetrachloride
Concen: 137.07 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.6	116.4
121	30.7	24.9	37.3





#39

Methvlcvclohexane

Concen: 133.89 ug/l

RT: 5.64 min Scan# 518

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

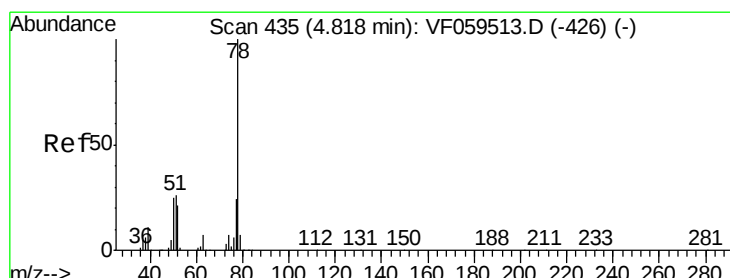
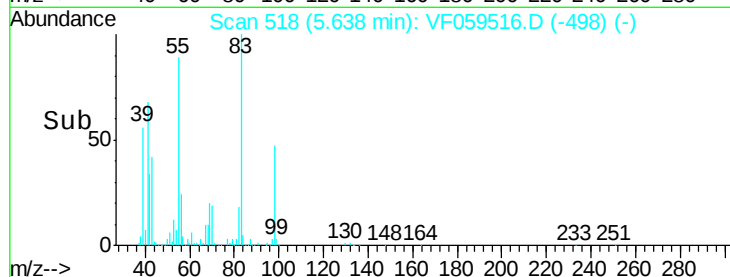
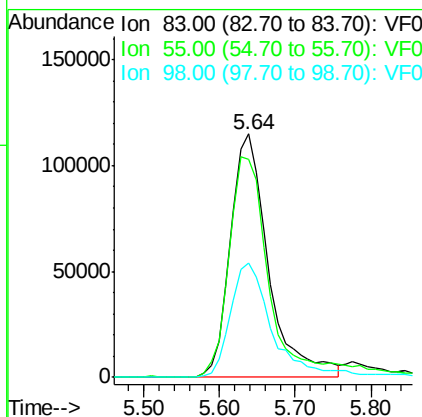
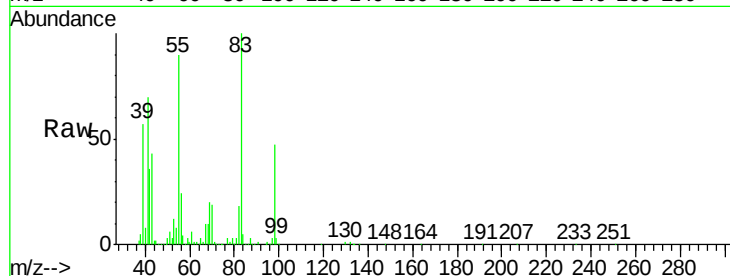
ClientSampleId :

VSTDICC150

Tot Ion:	83	Resp:	402339
Ion	Ratio	Lower	Upper
83	100		
55	89.6	70.2	105.4
98	46.9	36.2	54.2

Manual Integrations
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#40

Benzene

Concen: 136.82 ug/l

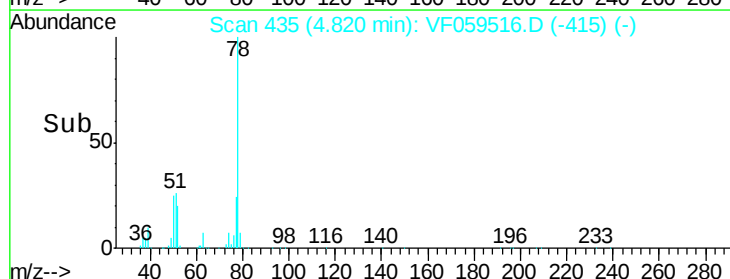
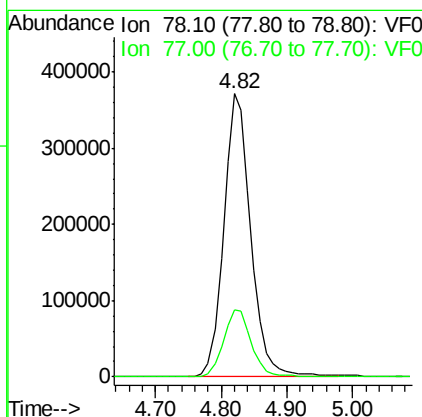
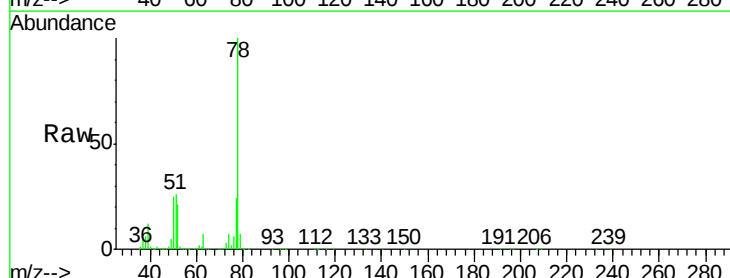
RT: 4.82 min Scan# 435

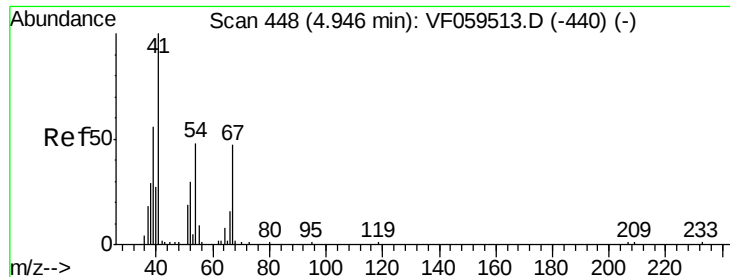
Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion:	78	Resp:	1060860
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





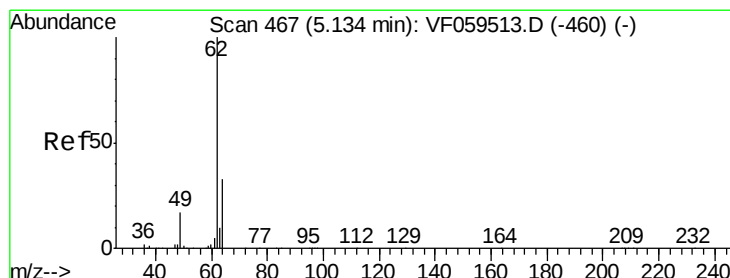
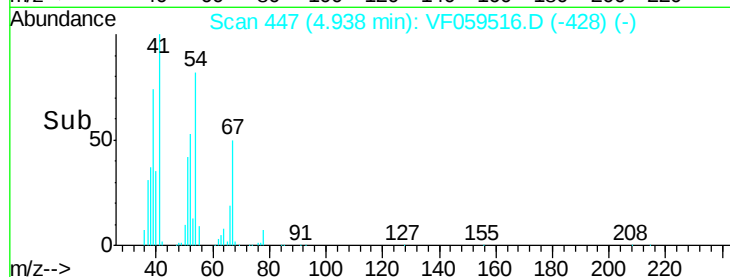
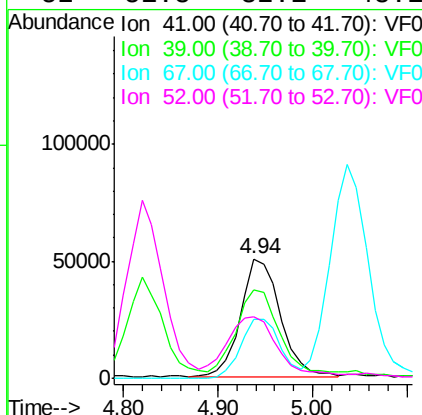
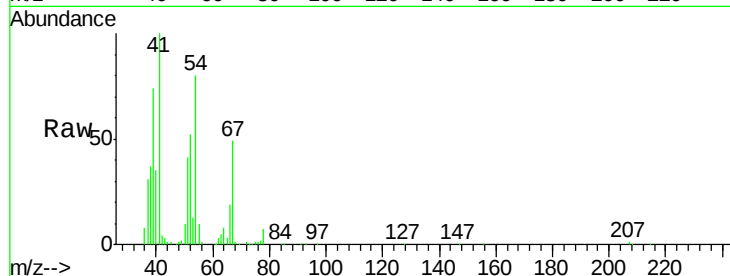
#41
Methacrylonitrile
Concen: 124.52 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.5	49.4	74.0#
67	49.2	37.4	56.2
52	51.8	32.1	48.1#

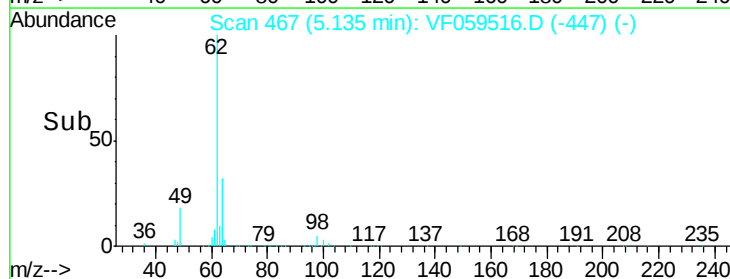
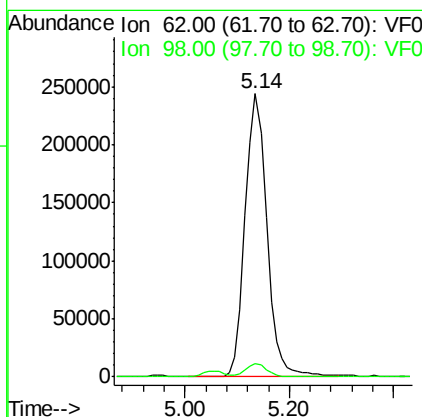
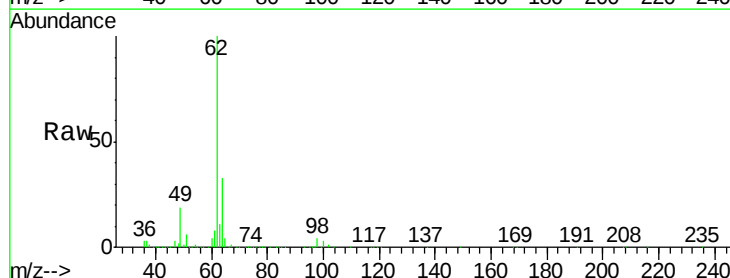
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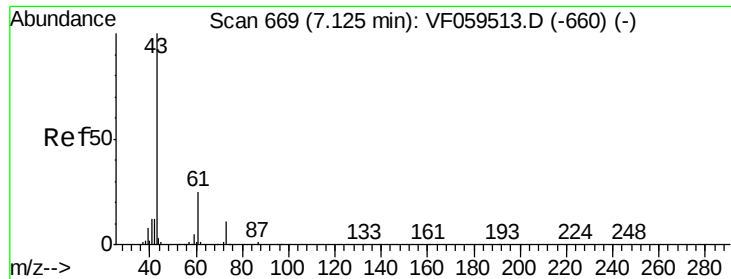
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#42
1,2-Dichloroethane
Concen: 138.55 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	9.6





#43

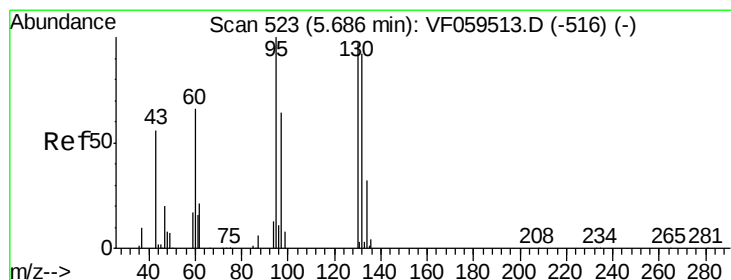
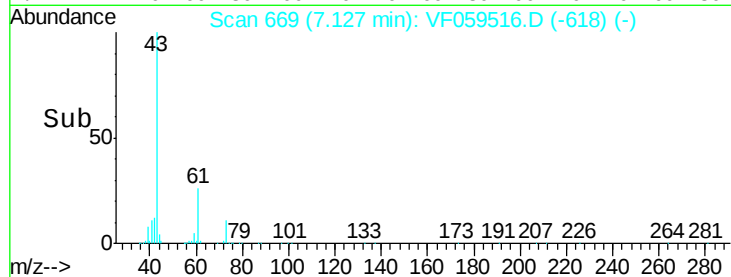
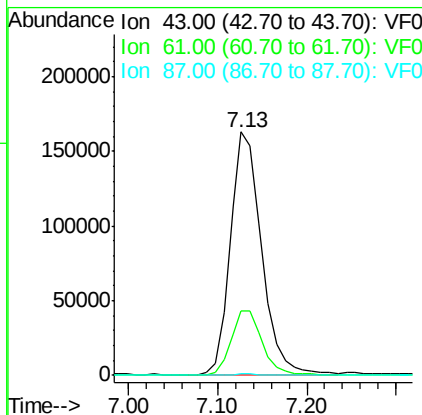
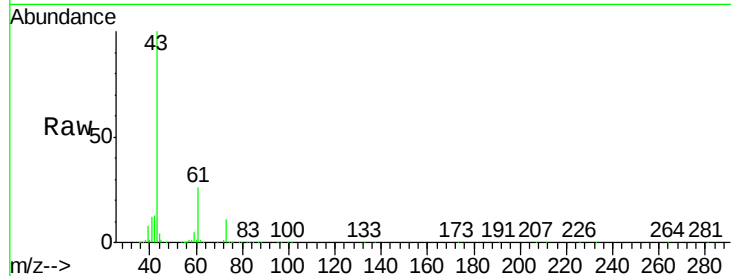
Isopropyl Acetate
 Concen: 136.19 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	43	Resp	398344
Ion Ratio	Lower	Upper	
43	100		
61	26.3	20.3	30.5
87	0.5	0.4	0.6

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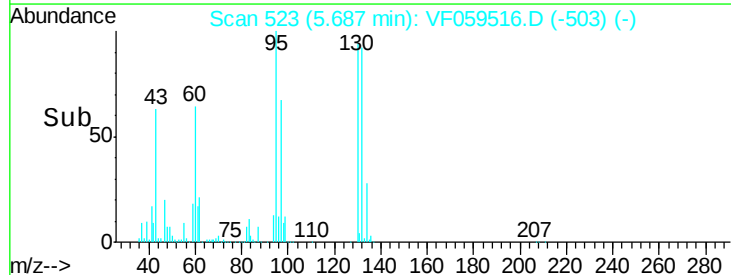
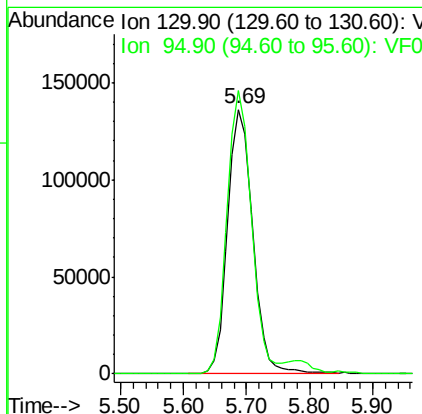
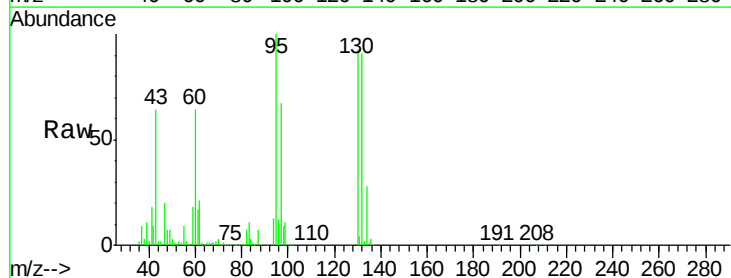
apatel
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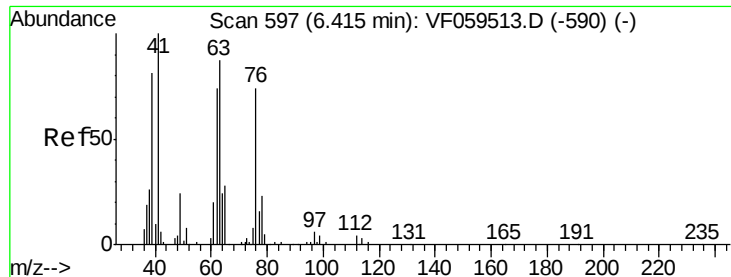


#44

Trichloroethene
 Concen: 135.17 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion	130	Resp	377816
Ion Ratio	Lower	Upper	
130	100		
95	107.0	0.0	206.6





#45

1,2-Dichloropropane

Concen: 129.75 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 285319

Ion Ratio Lower Upper

63 100

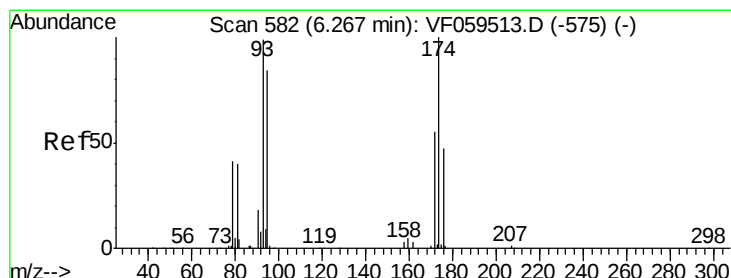
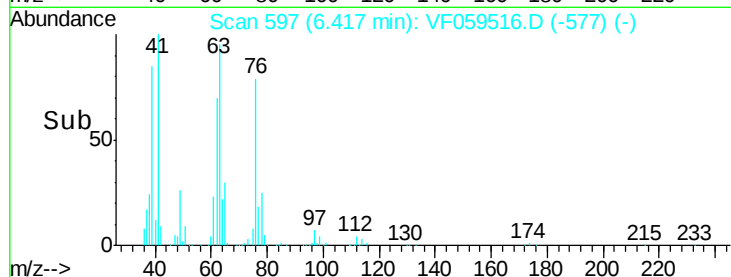
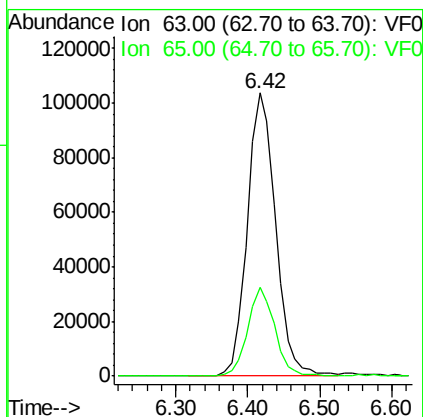
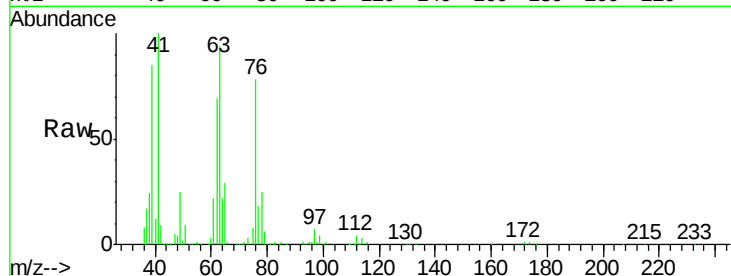
65 31.4 26.1 39.1

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#46

Dibromomethane

Concen: 137.33 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

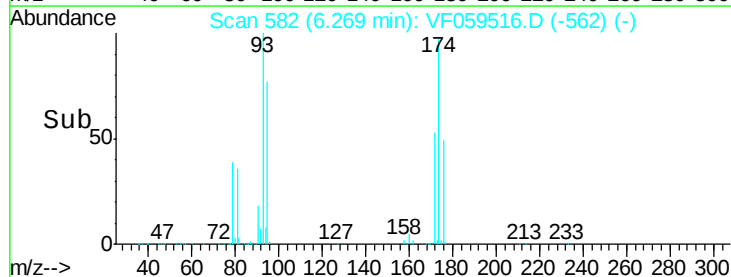
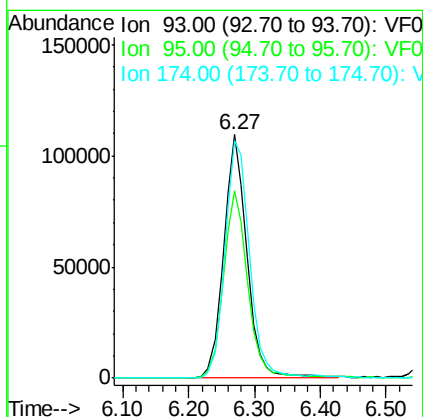
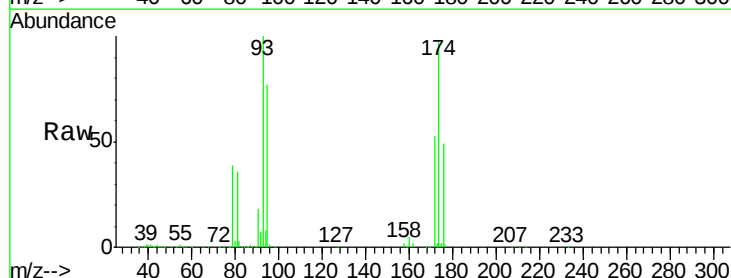
Tgt Ion: 93 Resp: 269765

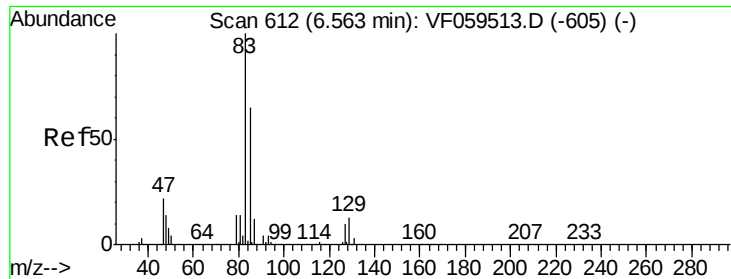
Ion Ratio Lower Upper

93 100

95 77.1 68.3 102.5

174 97.3 81.2 121.8





#47

Bromodichloromethane

Concen: 139.62 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

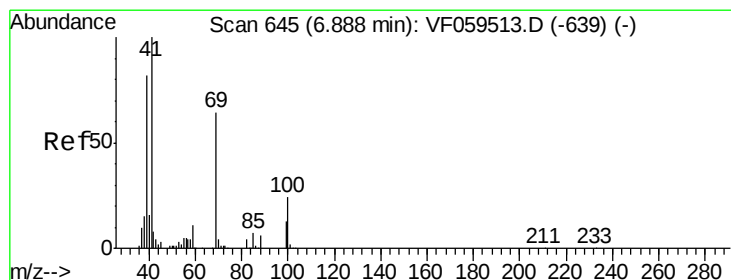
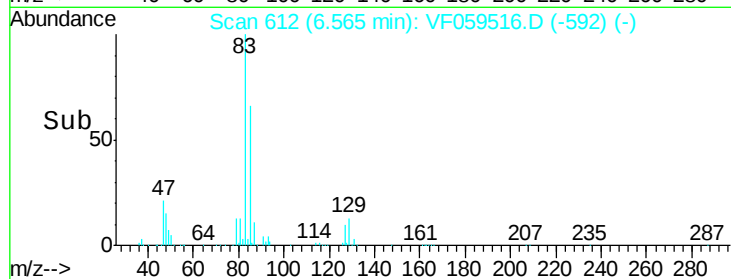
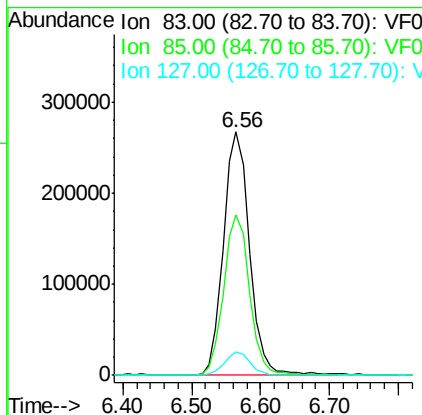
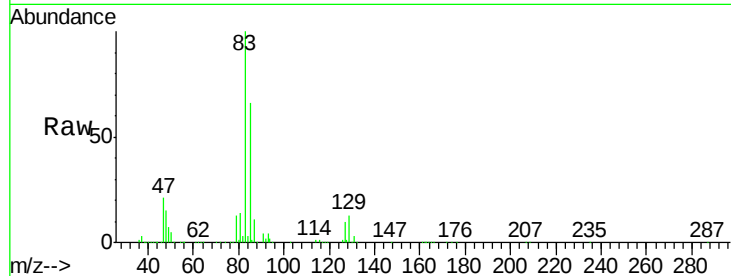
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	700839
Ion Ratio	Lower	Upper	
83	100		
85	65.9	52.4	78.6
127	9.5	8.2	12.4

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#48

Methyl methacrylate

Concen: 139.57 ug/l

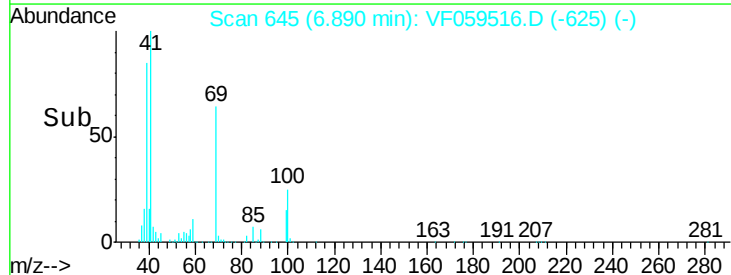
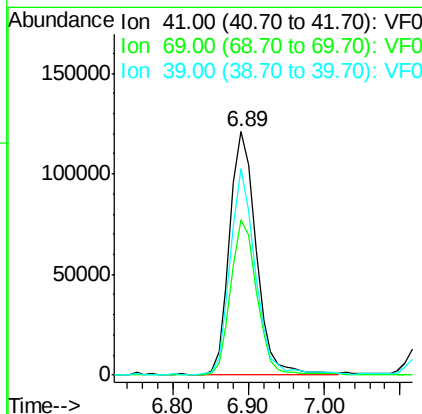
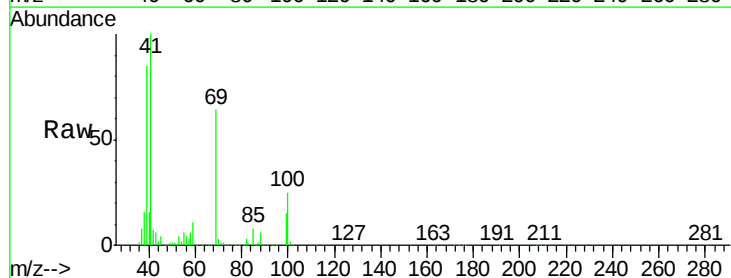
RT: 6.89 min Scan# 645

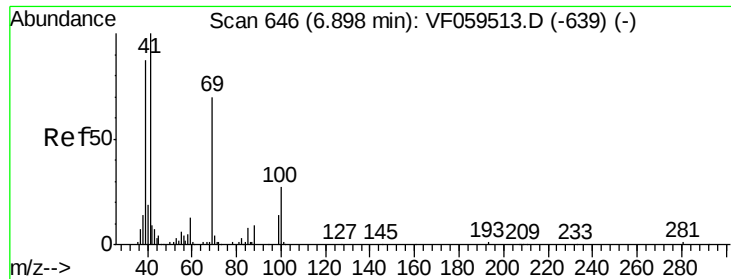
Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion:	41	Resp:	294201
Ion Ratio	Lower	Upper	
41	100		
69	64.0	51.3	76.9
39	85.0	65.3	97.9





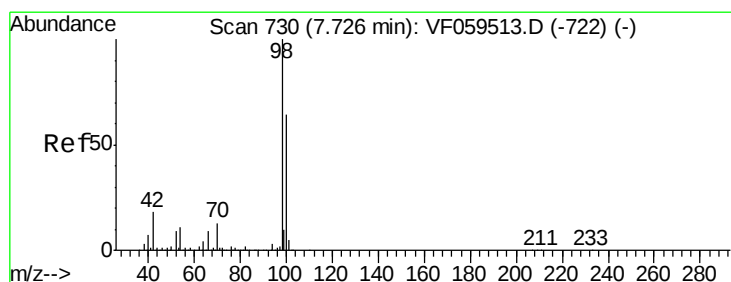
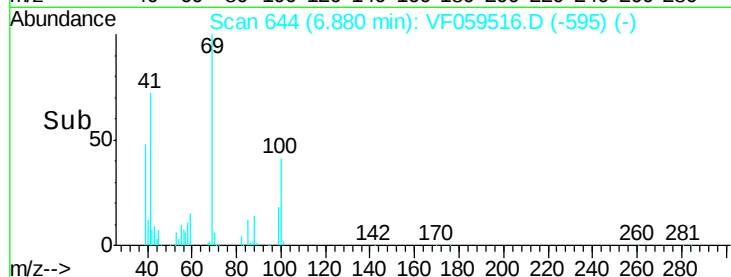
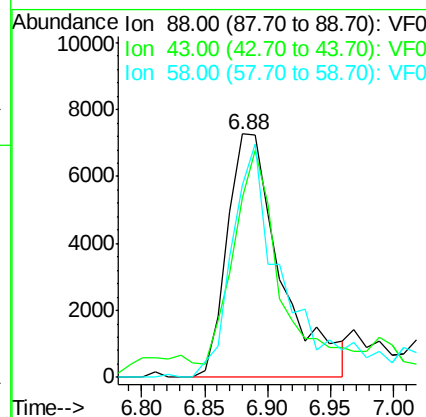
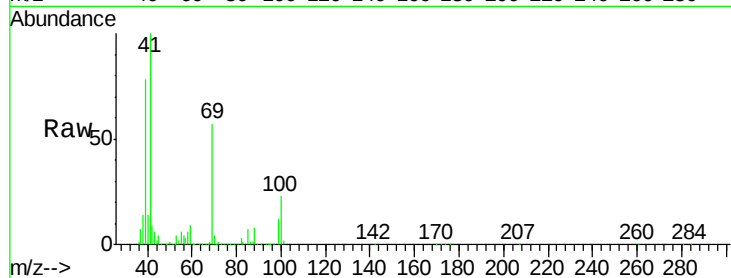
#49
1,4-Dioxane
Concen: 2243.17 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.02 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	73.9	64.8	97.2
58	78.8	44.1	66.1#

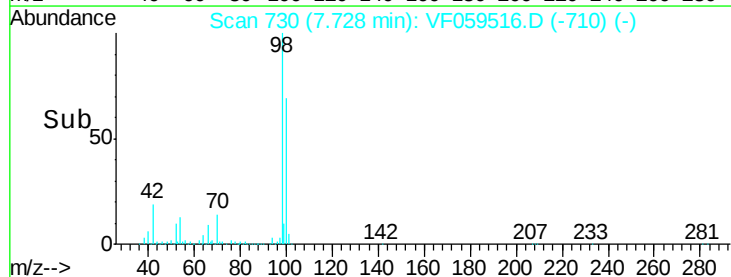
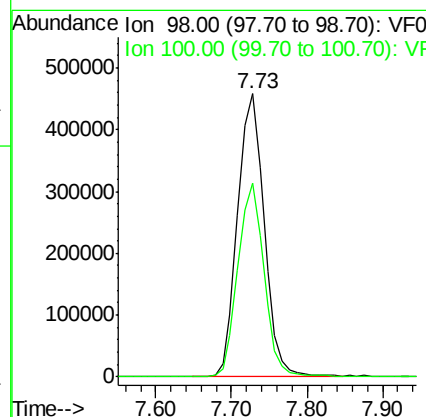
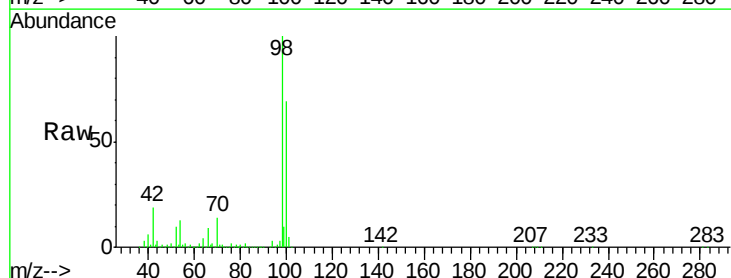
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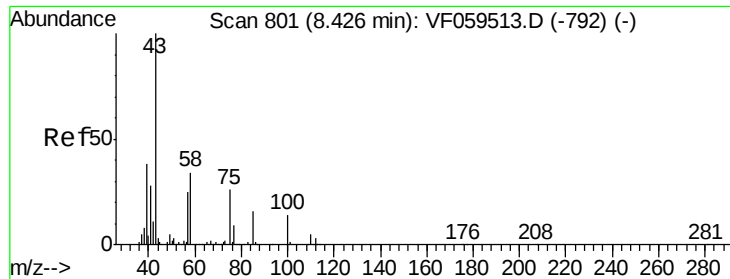
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#50
Toluene-d8
Concen: 132.75 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.5	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 613.02 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1257864

Ion Ratio Lower Upper

43 100

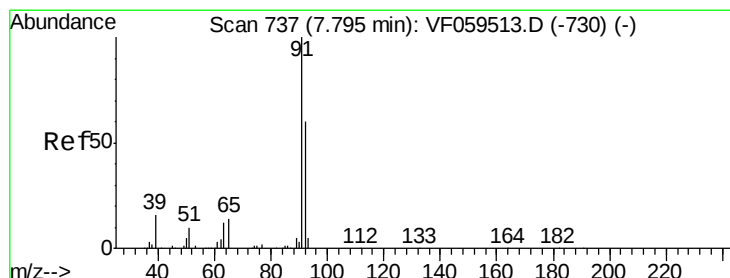
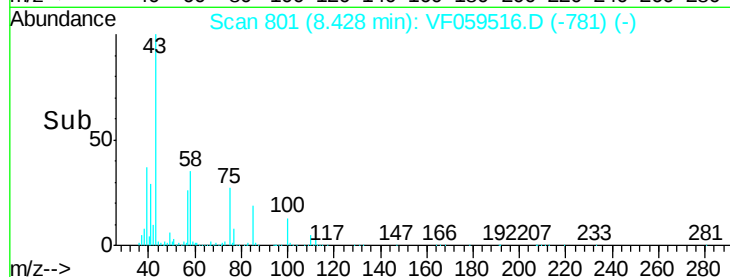
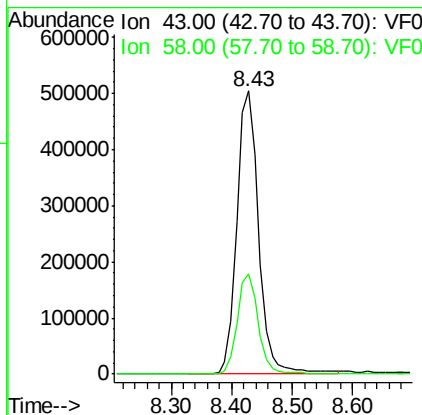
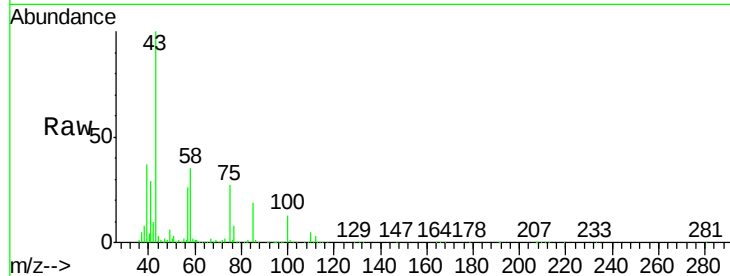
58 35.3 27.4 41.2

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#52

Toluene

Concen: 130.66 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059516.D

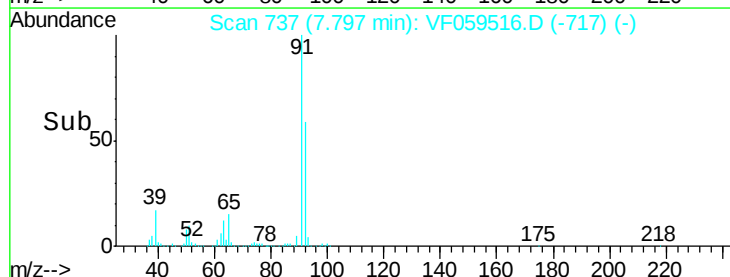
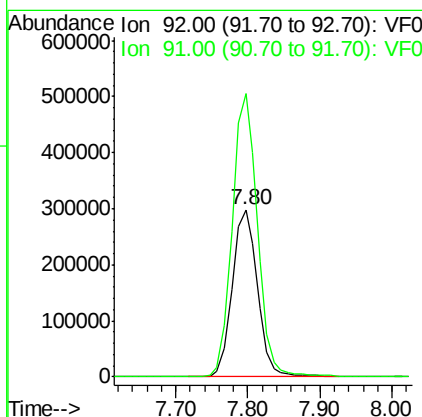
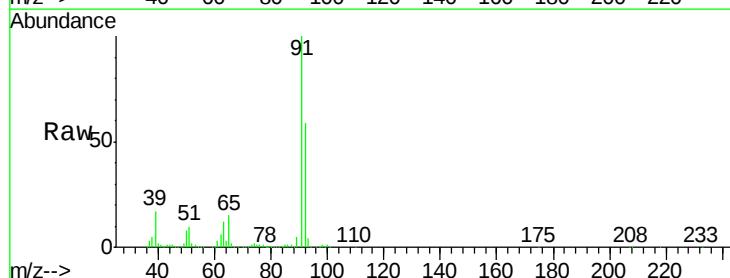
Acq: 17 Jul 2018 19:23

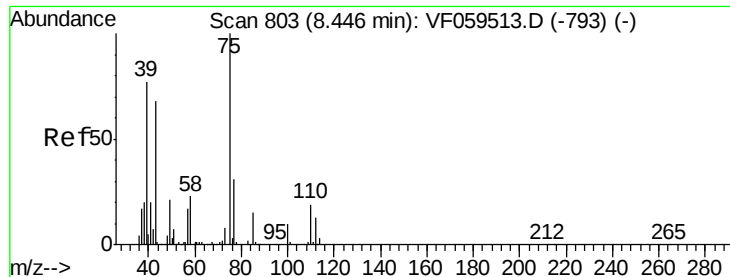
Tgt Ion: 92 Resp: 728535

Ion Ratio Lower Upper

92 100

91 169.2 134.2 201.4





#53

t-1,3-Dichloropropene

Concen: 139.59 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 619301

Ion Ratio Lower Upper

75 100

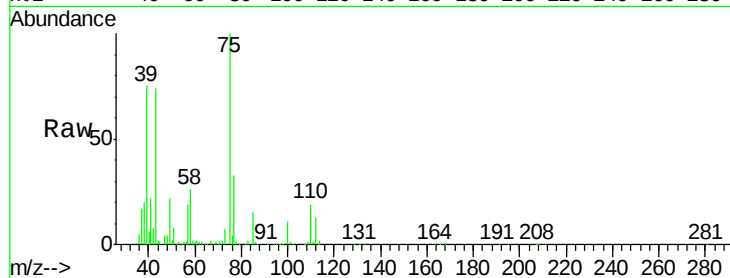
77 32.7 25.3 37.9

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.45

250000

200000

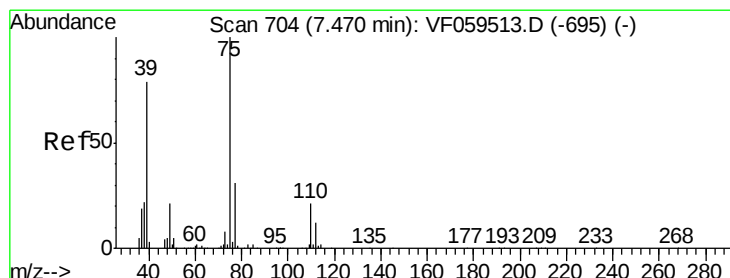
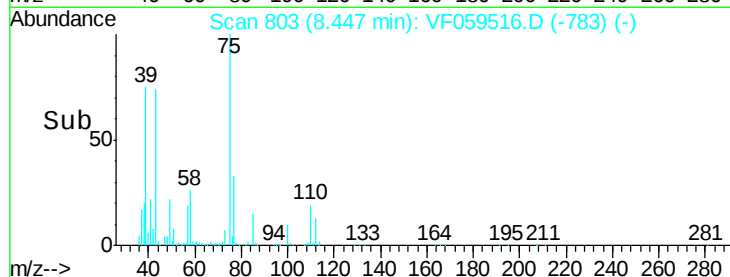
150000

100000

50000

0

Time--> 8.20 8.40 8.60



#54

cis-1,3-Dichloropropene

Concen: 135.60 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

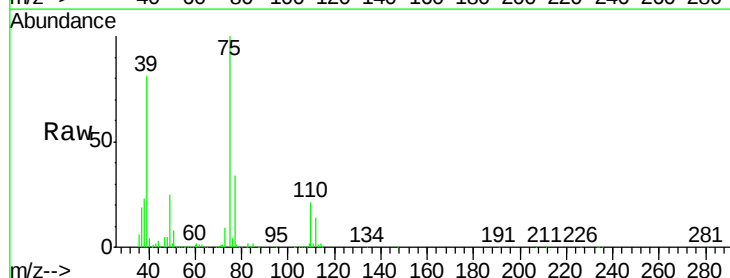
Tgt Ion: 75 Resp: 624170

Ion Ratio Lower Upper

75 100

77 33.8 25.0 37.6

39 81.3 63.8 95.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.47

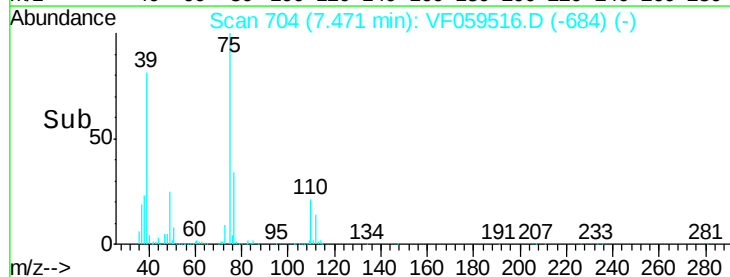
300000

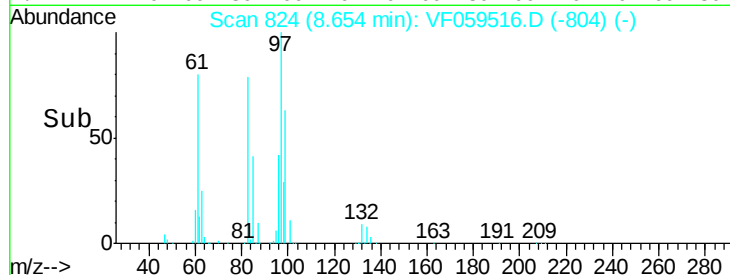
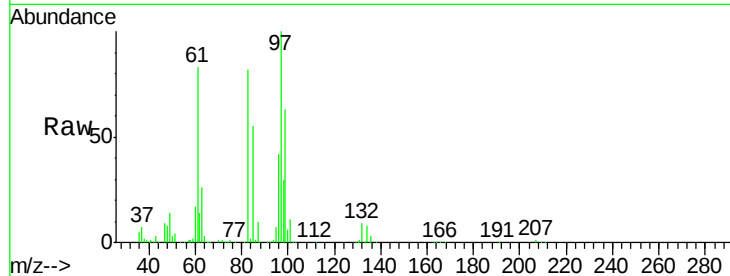
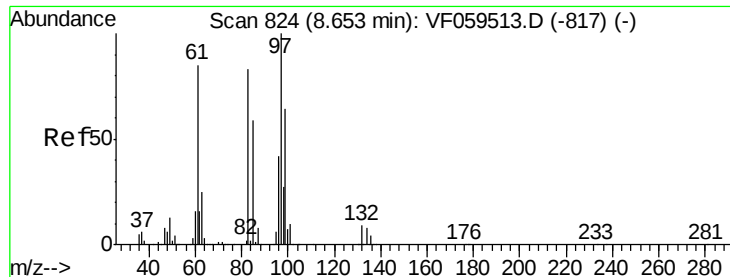
200000

100000

0

Time--> 7.30 7.40 7.50 7.60 7.70





#55

1,1,2-Trichloroethane

Concen: 133.13 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059516.D

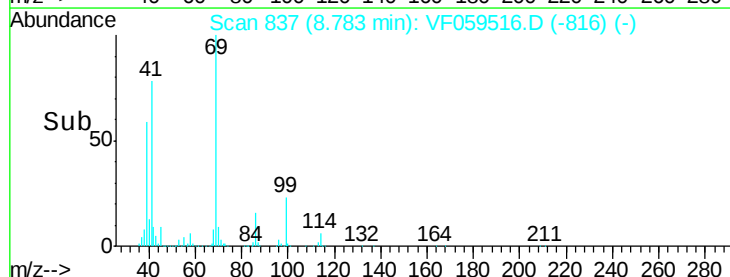
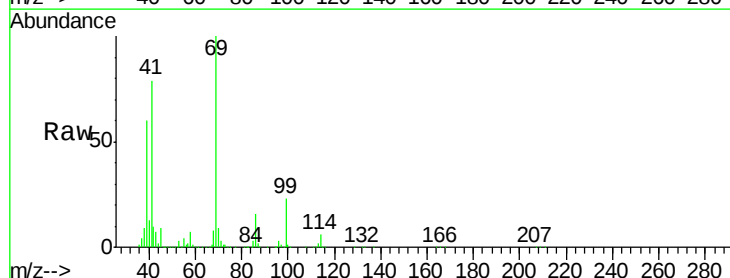
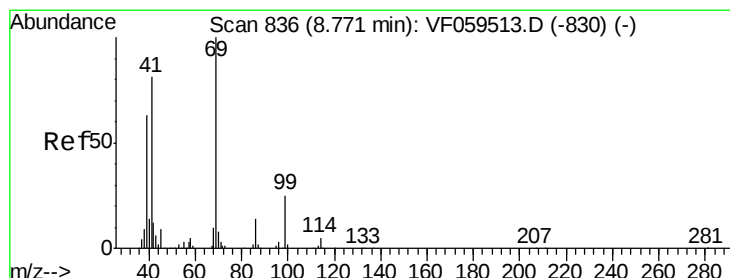
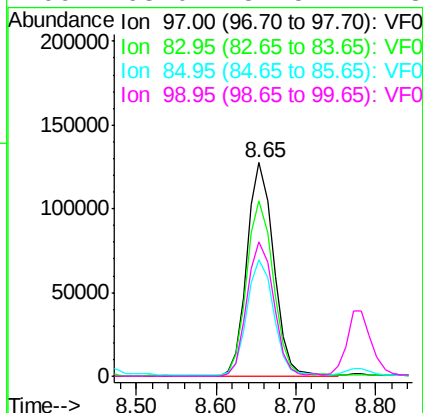
Acq: 17 Jul 2018 19:23

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		295638		
83	82.2	66.9	100.3		
85	54.6	46.9	70.3		
99	63.0	51.5	77.3		

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

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#56

Ethyl methacrylate

Concen: 132.98 ug/l

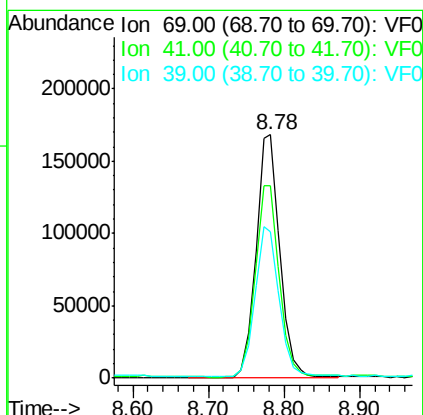
RT: 8.78 min Scan# 837

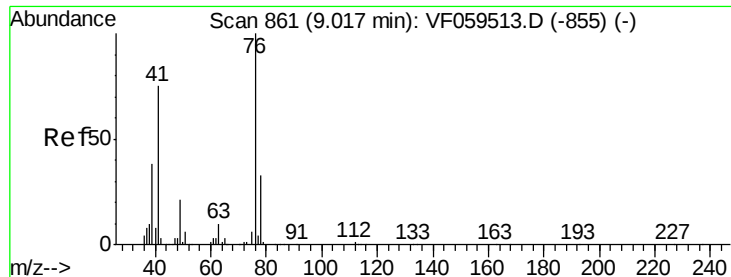
Delta R.T. 0.01 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		371932		
41	78.8	65.4	98.2		
39	60.3	51.0	76.4		





#57

1,3-Dichloropropane

Concen: 139.73 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 527901

Ion Ratio Lower Upper

76 100

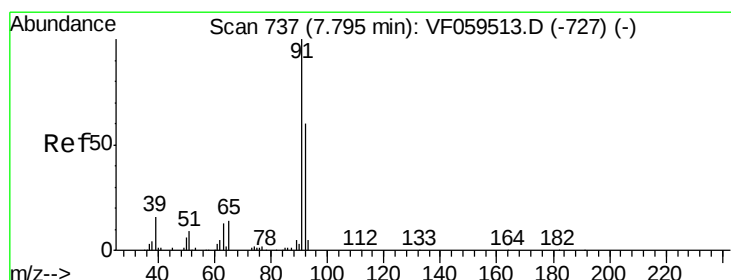
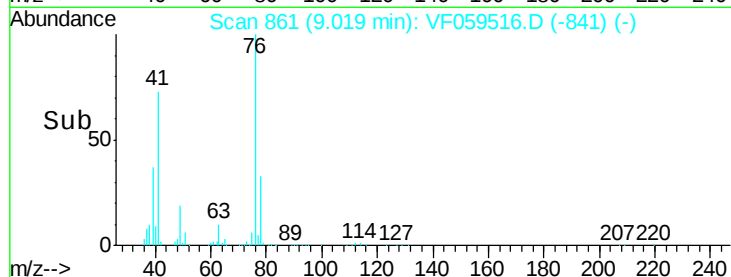
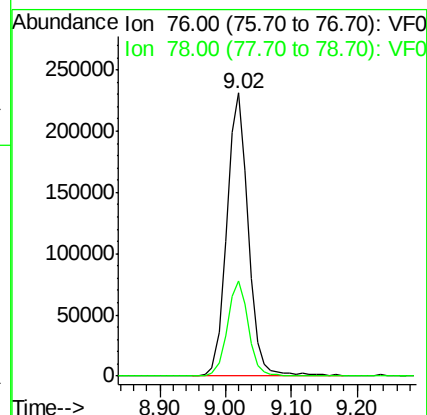
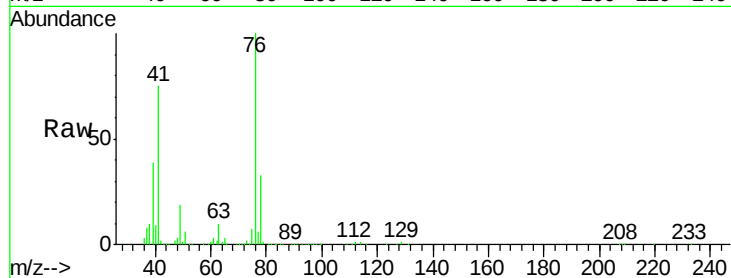
78 33.5 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 646.99 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059516.D

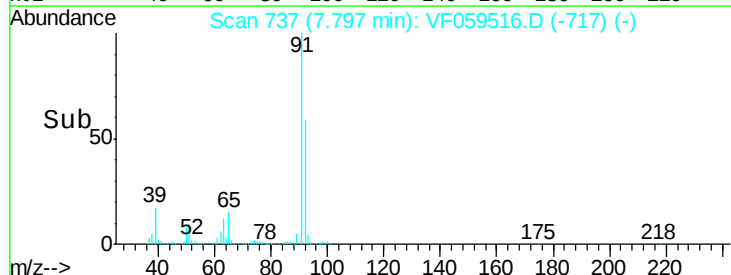
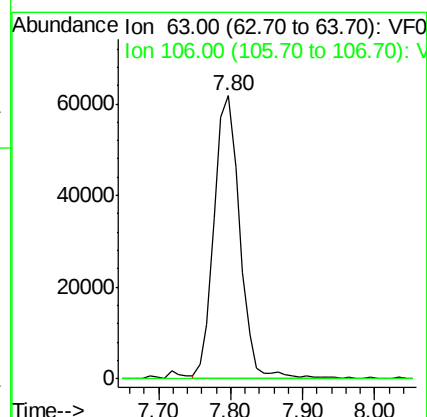
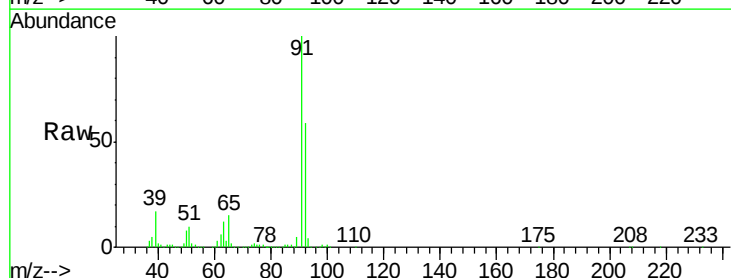
Acq: 17 Jul 2018 19:23

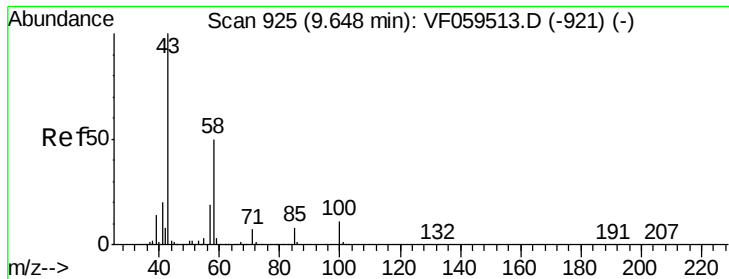
Tgt Ion: 63 Resp: 151104

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 621.96 ug/l

RT: 9.65 min Scan# 925

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 1001289

Ion Ratio Lower Upper

43 100

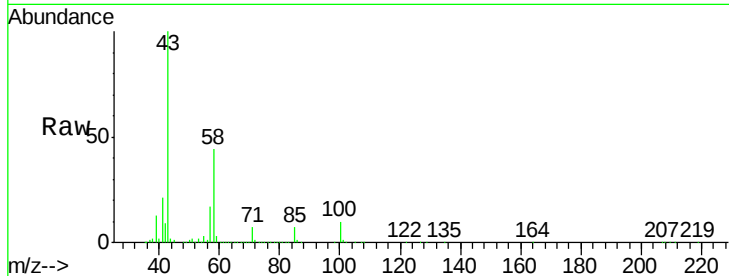
58 44.5 23.3 69.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.65

400000

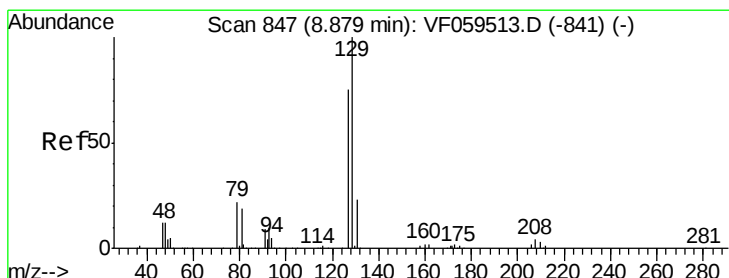
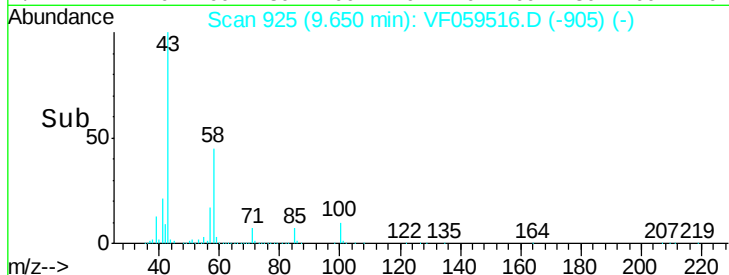
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 141.09 ug/l

RT: 8.88 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF059516.D

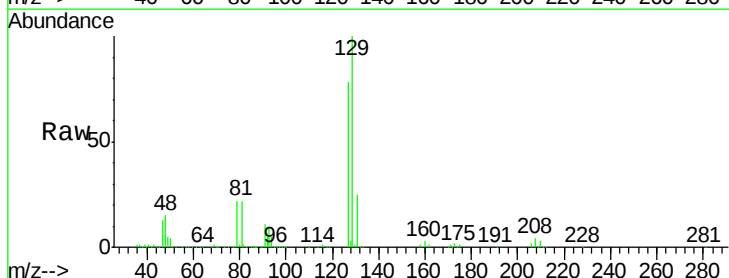
Acq: 17 Jul 2018 19:23

Tgt Ion: 129 Resp: 508494

Ion Ratio Lower Upper

129 100

127 77.7 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.88

250000

200000

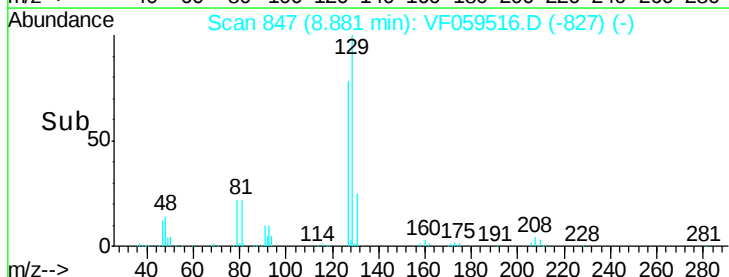
150000

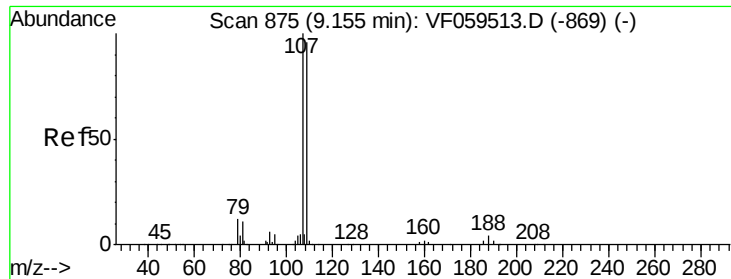
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 142.19 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 382157

Ion Ratio Lower Upper

107 100

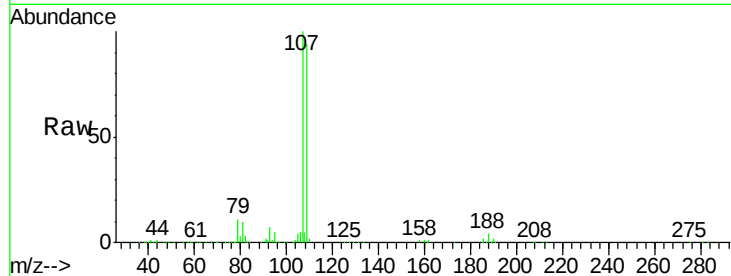
109 93.8 76.5 114.7

Manual Integrations

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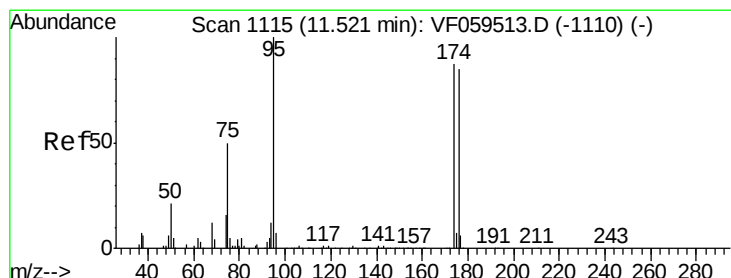
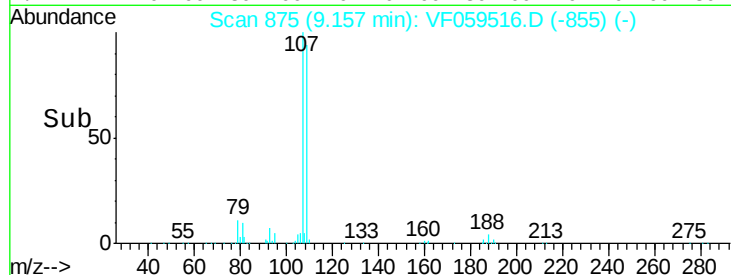
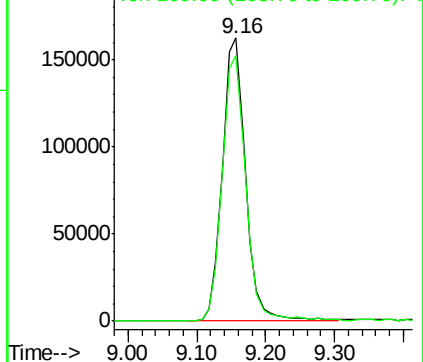
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 129.15 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

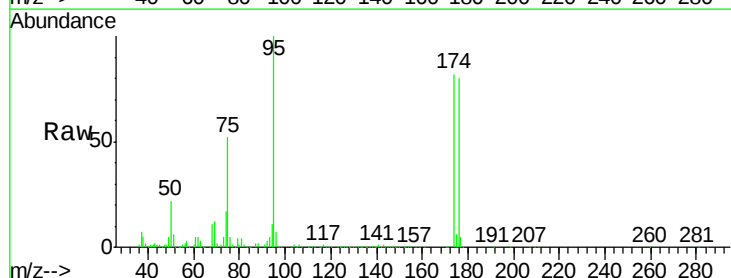
Tgt Ion: 95 Resp: 577515

Ion Ratio Lower Upper

95 100

174 82.0 0.0 174.4

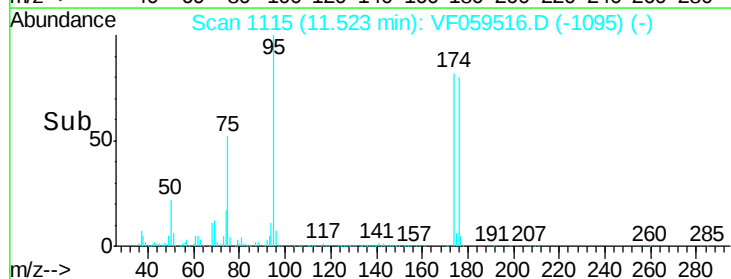
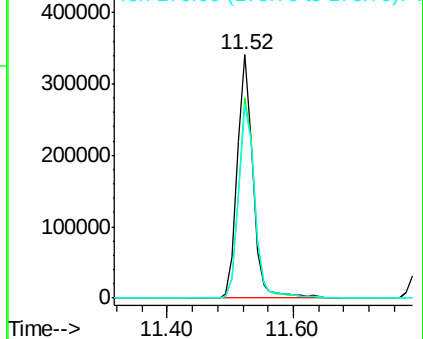
176 79.8 0.0 169.4

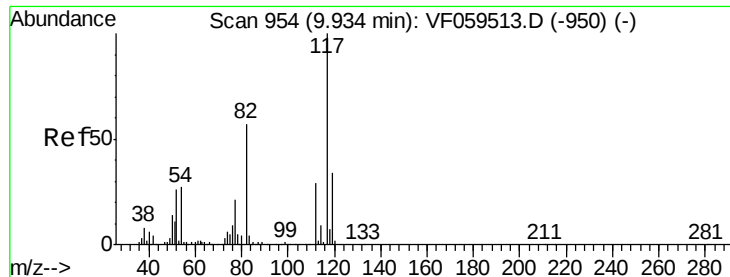


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





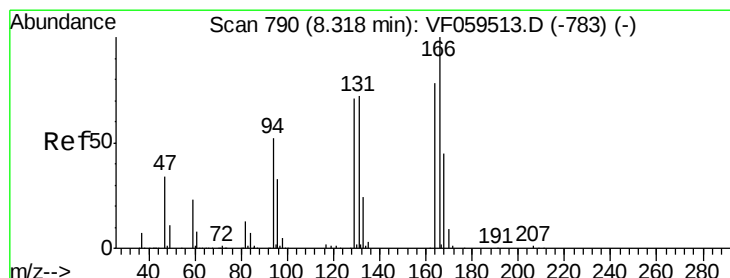
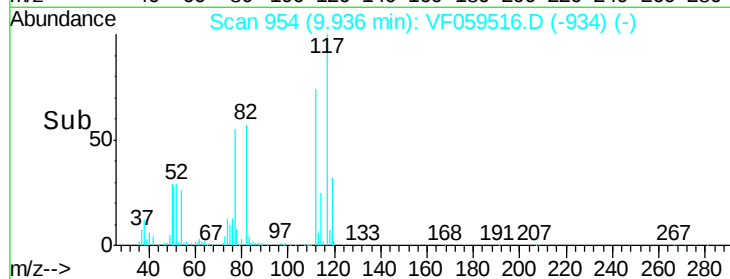
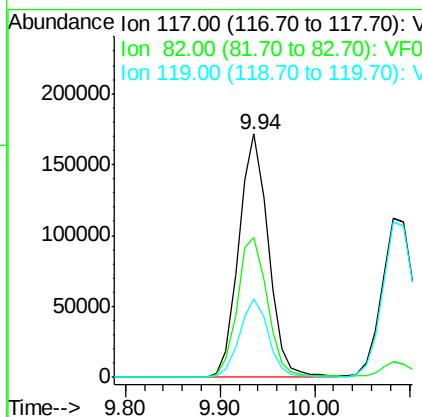
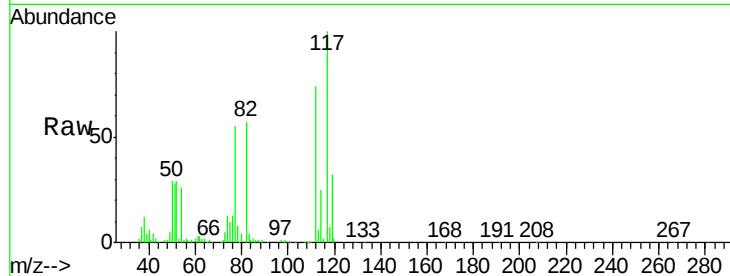
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	373112		
82	57.4	46.1	69.1	
119	32.0	27.2	40.8	

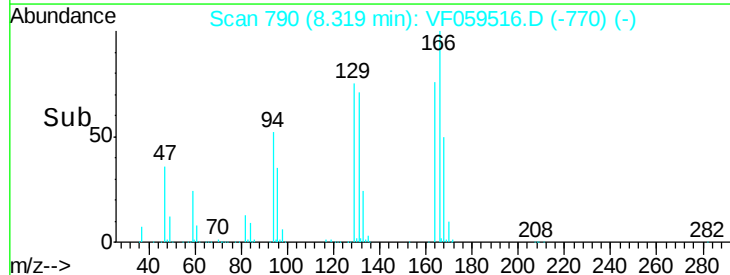
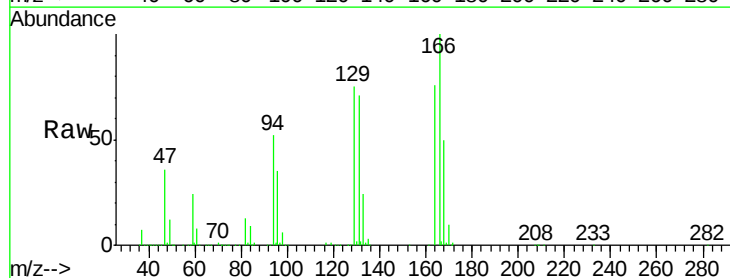
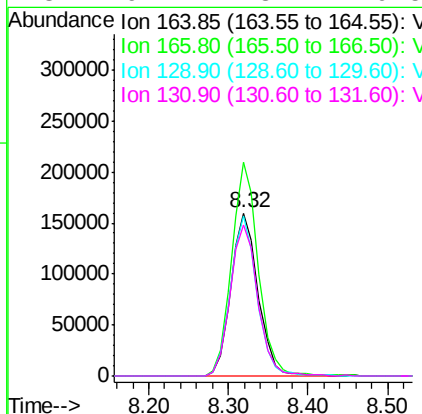
Manual Integrations
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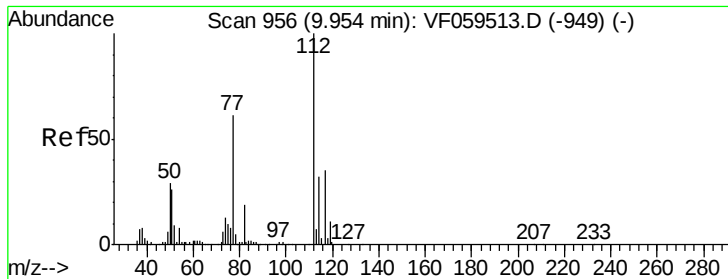
apatel
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#64
Tetrachloroethene
Concen: 129.34 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	380480		
166	131.1	102.3	153.5	
129	98.3	72.4	108.6	
131	92.7	73.7	110.5	





#65

Chlorobenzene

Concen: 137.33 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 963790

Ion Ratio Lower Upper

112 100

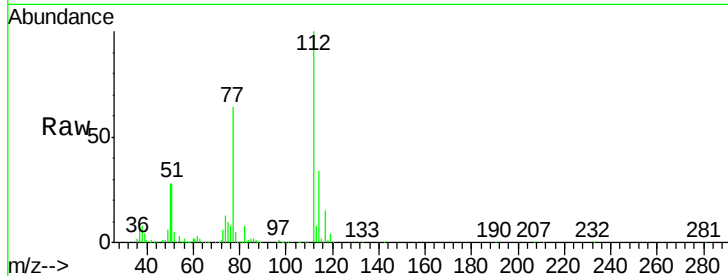
114 33.7 25.4 38.2

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

500000

400000

300000

200000

100000

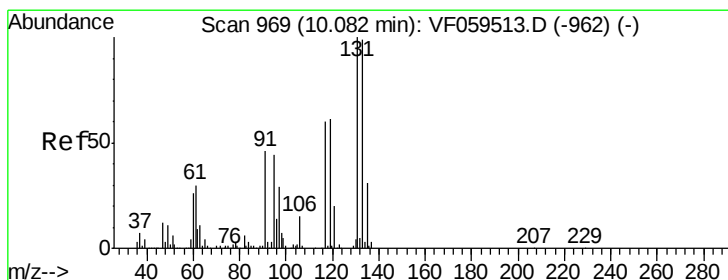
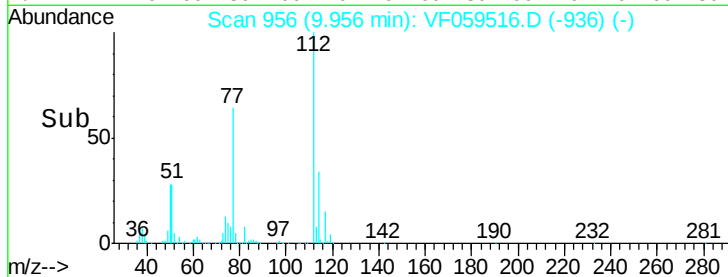
0

9.80

9.96

10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 135.48 ug/l

RT: 10.09 min Scan# 970

Delta R.T. 0.01 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

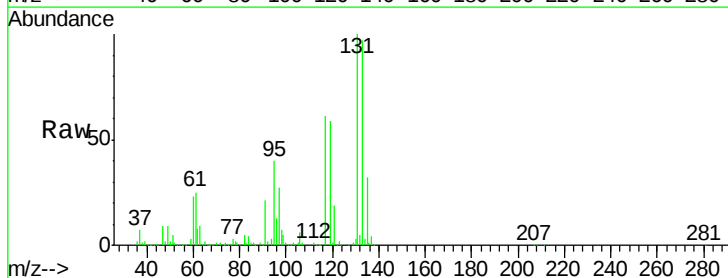
Tgt Ion:131 Resp: 430454

Ion Ratio Lower Upper

131 100

133 97.2 49.6 148.8

119 59.3 31.4 94.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

250000

200000

150000

100000

50000

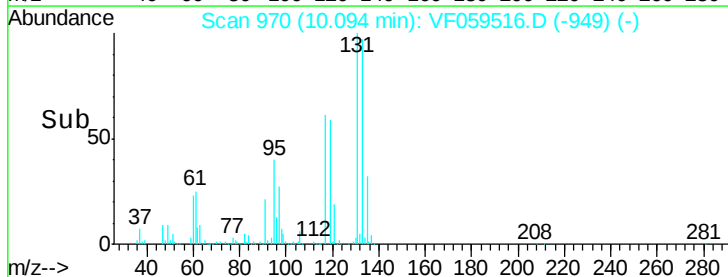
0

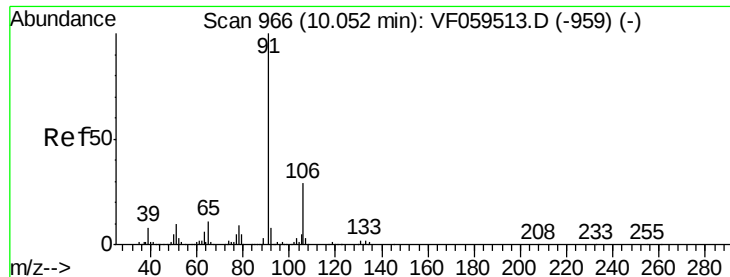
10.00

10.09

10.20

Time-->





#67

Ethyl Benzene

Concen: 130.38 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1632450

Ion Ratio Lower Upper

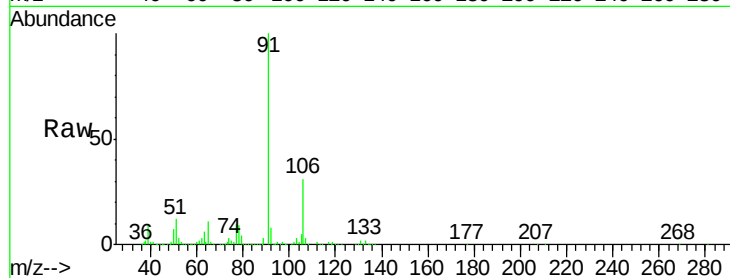
91 100

106 30.9 23.4 35.2

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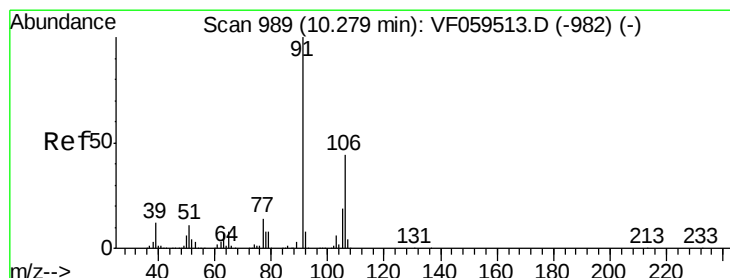
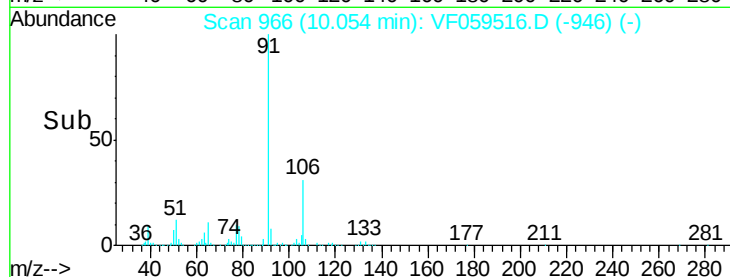
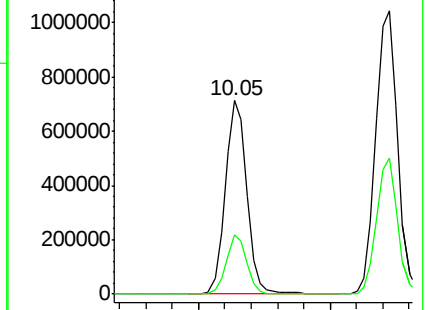
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 251.33 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.01 min

Lab File: VF059516.D

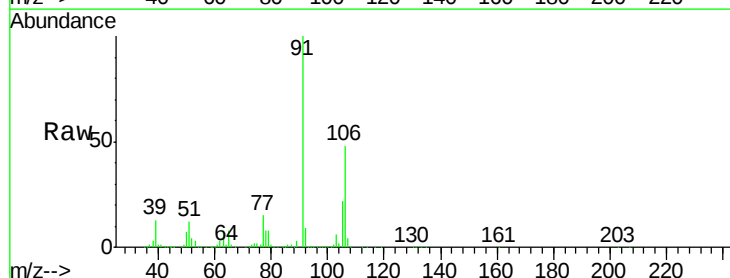
Acq: 17 Jul 2018 19:23

Tgt Ion:106 Resp: 1127145

Ion Ratio Lower Upper

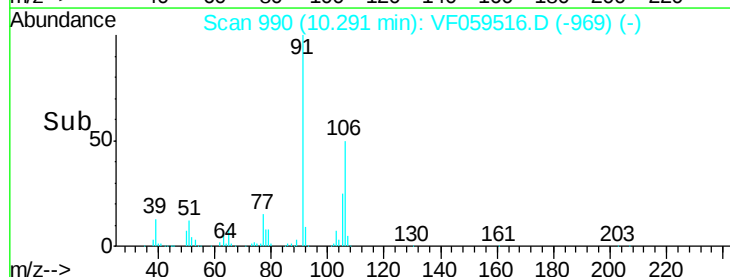
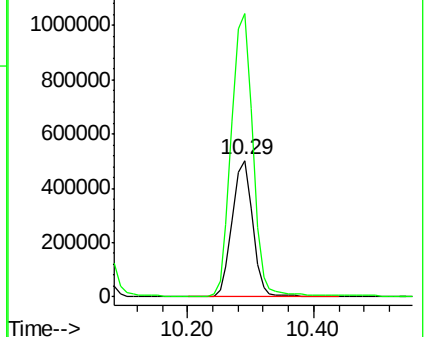
106 100

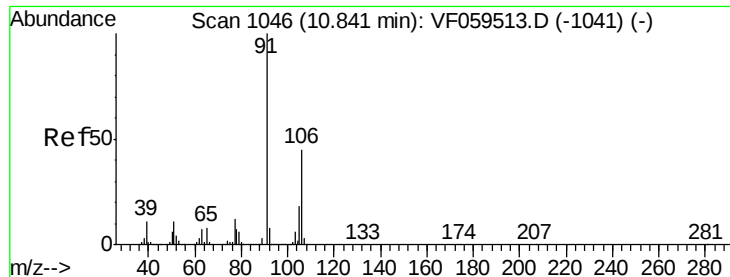
91 207.3 181.0 271.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





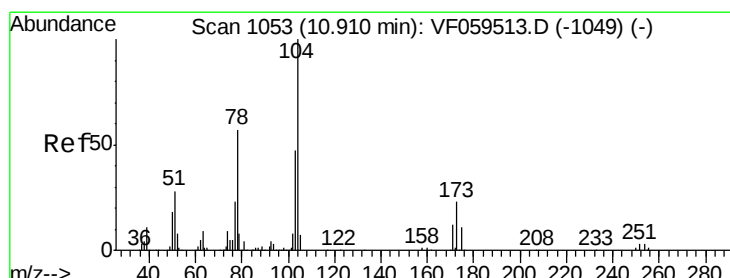
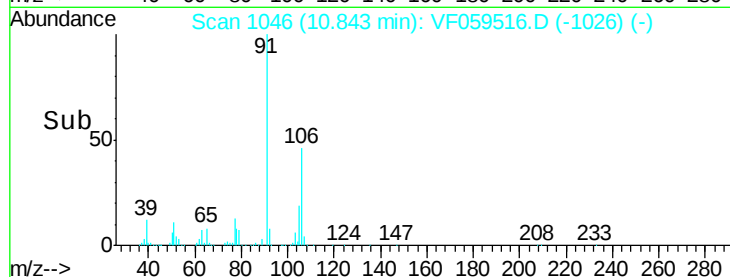
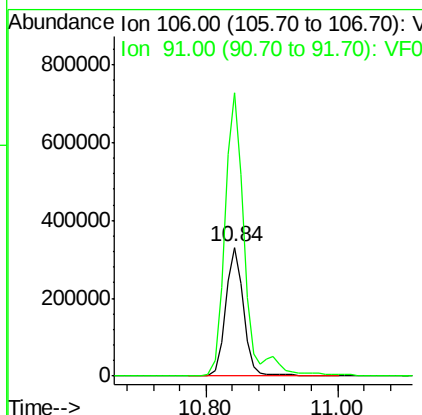
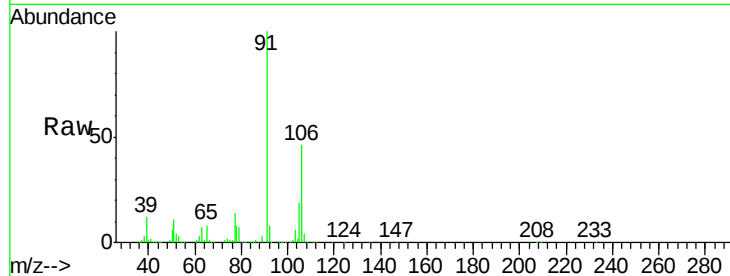
#69
o-Xylene
Concen: 136.69 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	219.3	112.3	336.9

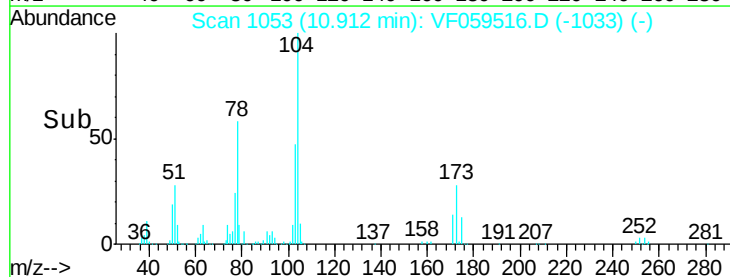
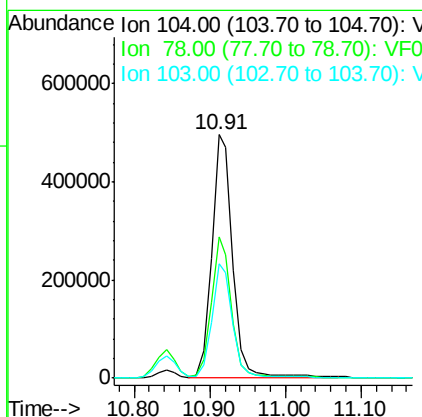
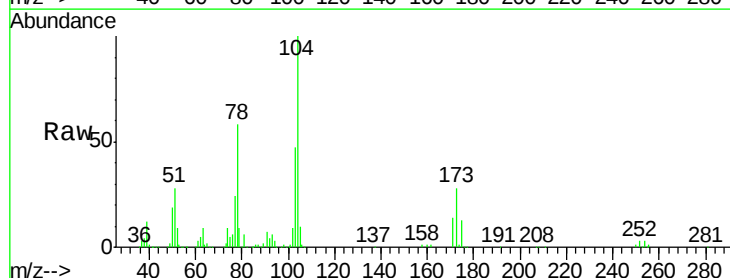
Manual Integrations
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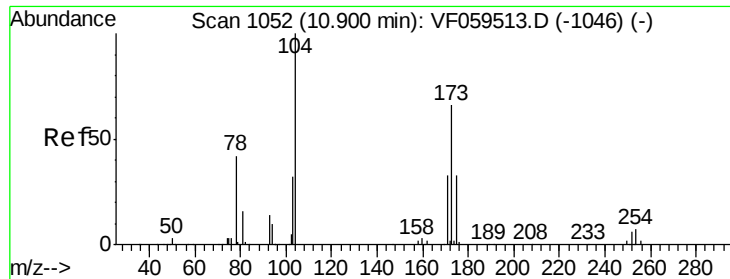
apatel
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#70
Styrene
Concen: 129.15 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	57.8	45.7	68.5
103	103	47.2	38.1	57.1





#71

Bromoform

Concen: 138.85 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

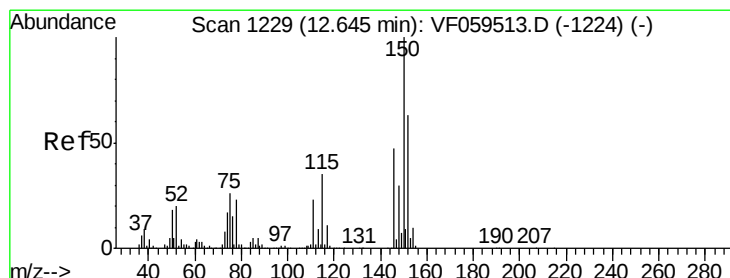
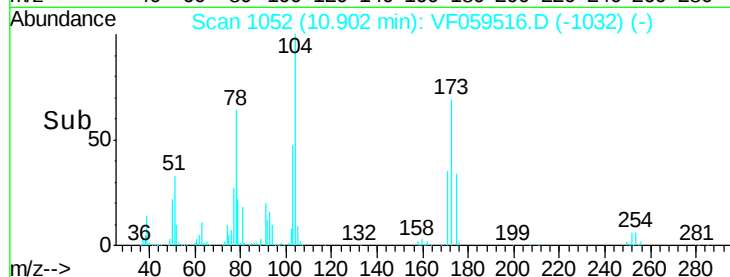
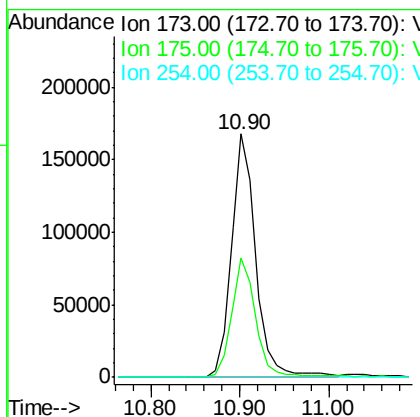
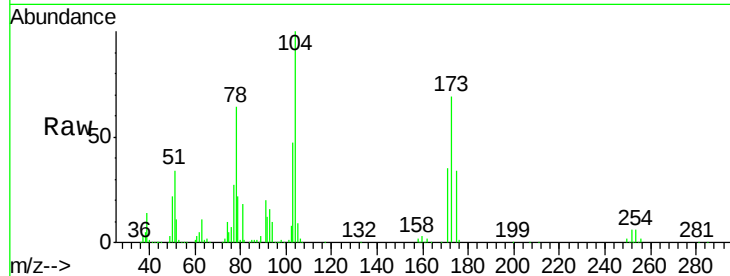
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	25.3	75.8
254	0.2	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

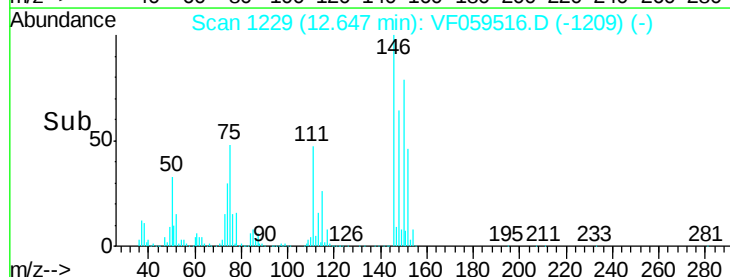
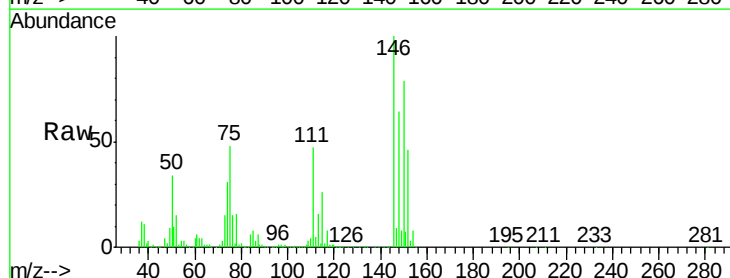
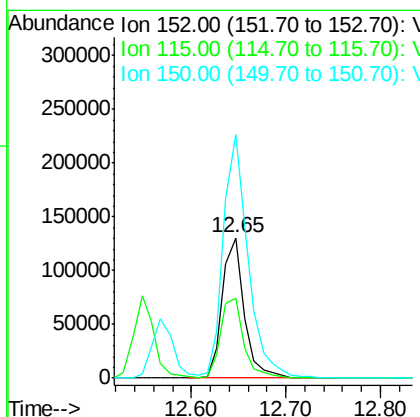
RT: 12.65 min Scan# 1229

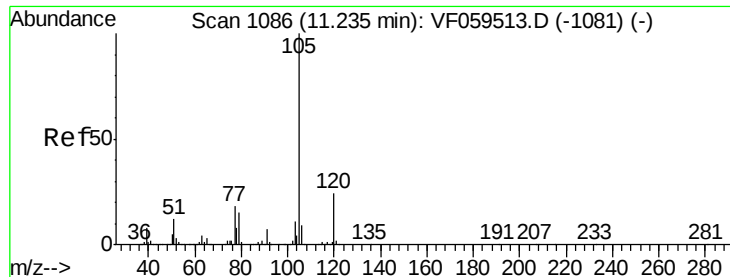
Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.8	83.3
150	173.7	0.0	318.4





#73

Isopropylbenzene

Concen: 131.68 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1757064

Ion Ratio Lower Upper

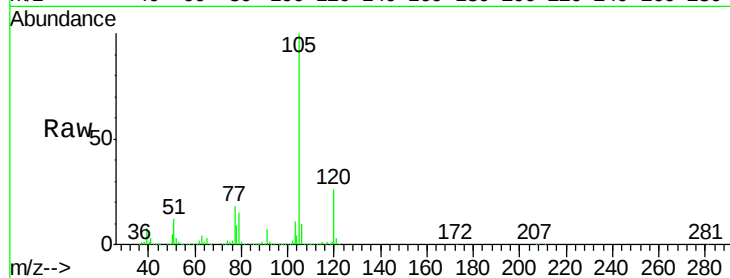
105 100

120 26.1 12.0 36.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

1000000

800000

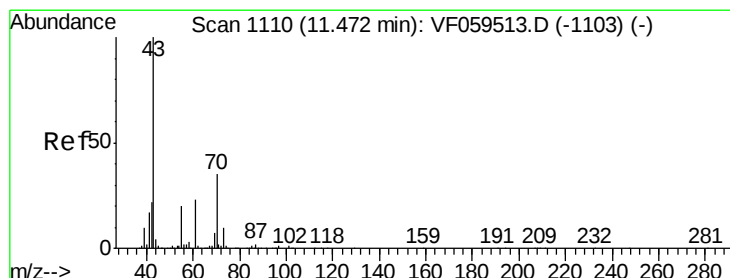
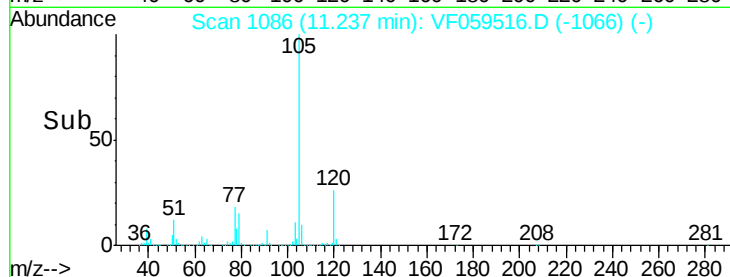
600000

400000

200000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 126.28 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion: 43 Resp: 597999

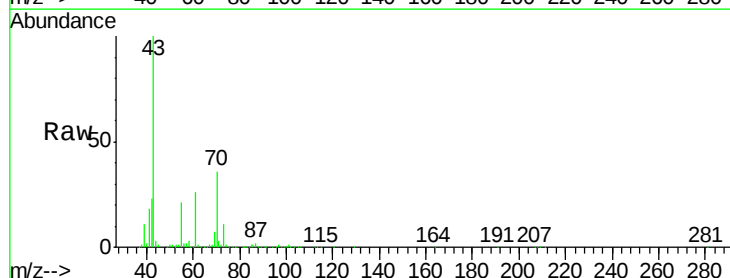
Ion Ratio Lower Upper

43 100

70 36.3 27.9 41.9

55 21.1 16.2 24.2

61 25.9 18.6 27.8



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

500000

400000

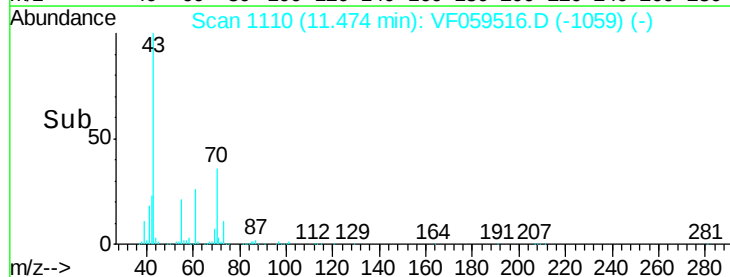
300000

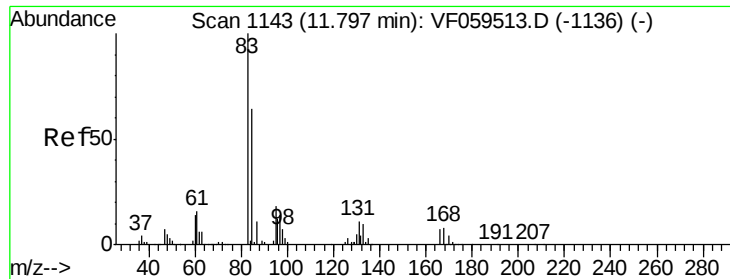
200000

100000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 132.42 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

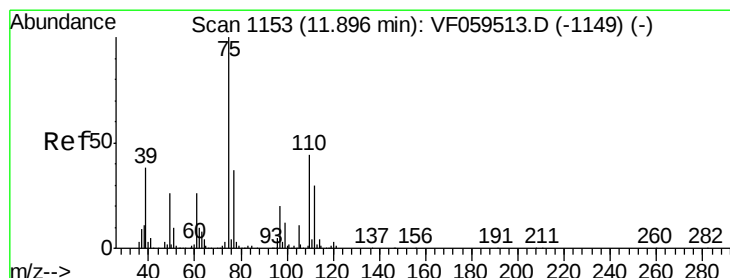
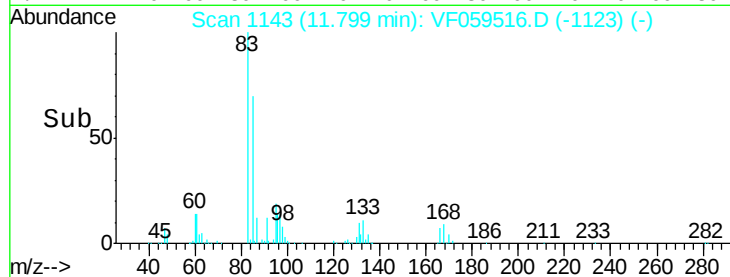
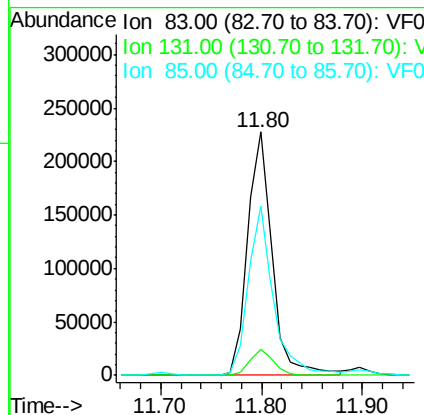
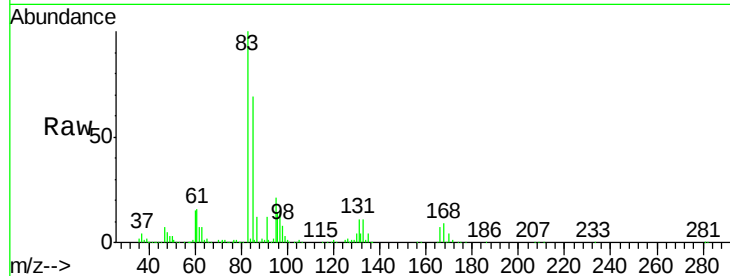
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	387470
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.1
85	69.4	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 132.11 ug/l

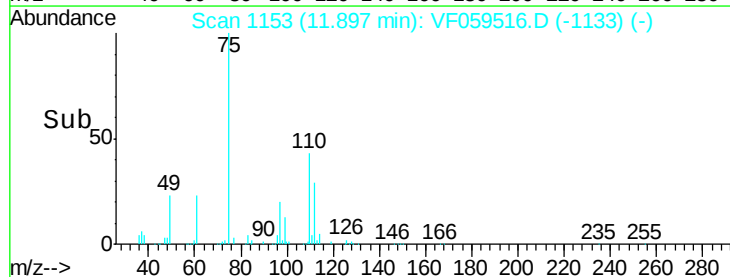
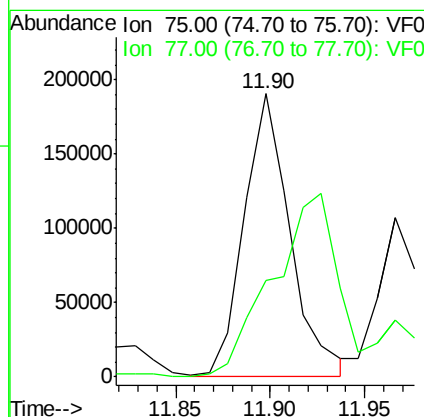
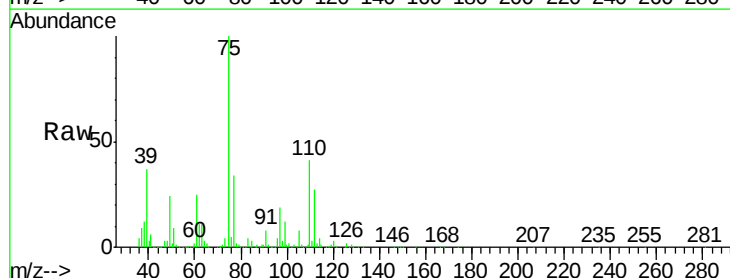
RT: 11.90 min Scan# 1153

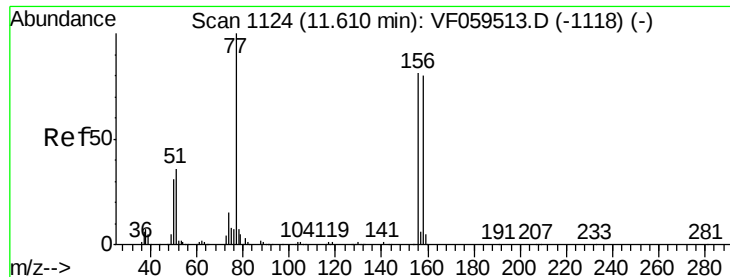
Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion:	75	Resp:	318727
Ion Ratio	Lower	Upper	
75	100		
77	34.2	18.7	56.1





#77

Bromobenzene

Concen: 134.86 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

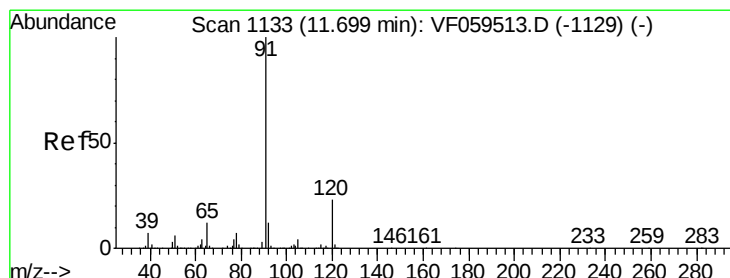
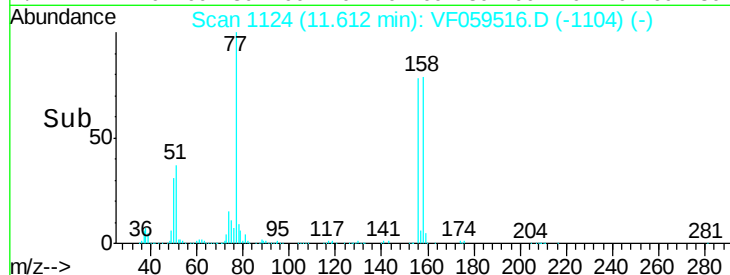
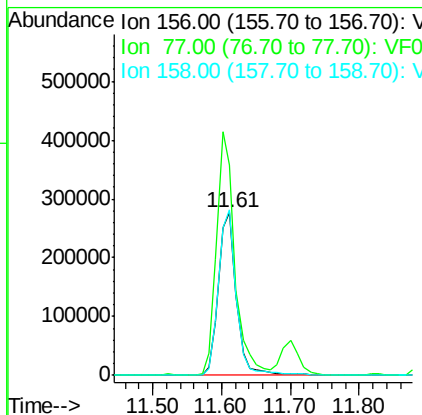
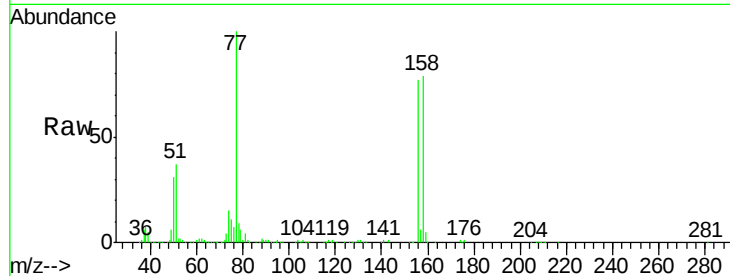
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	129.1	62.0	186.0
158	101.7	49.8	149.3

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#78

n-propylbenzene

Concen: 126.12 ug/l

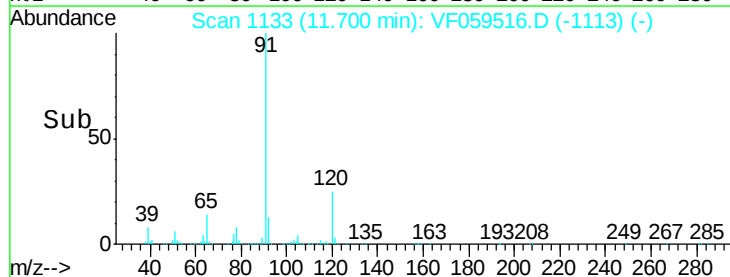
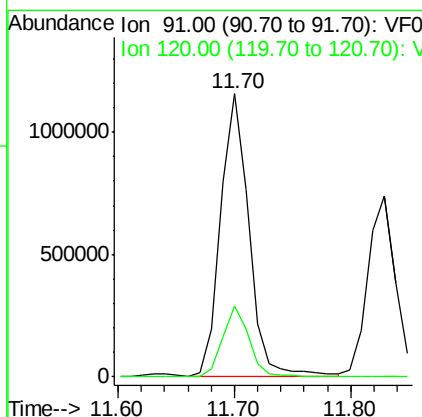
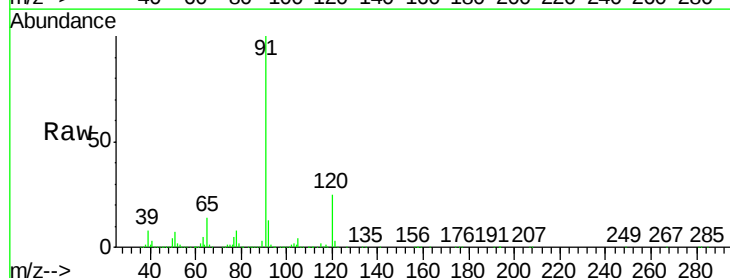
RT: 11.70 min Scan# 1133

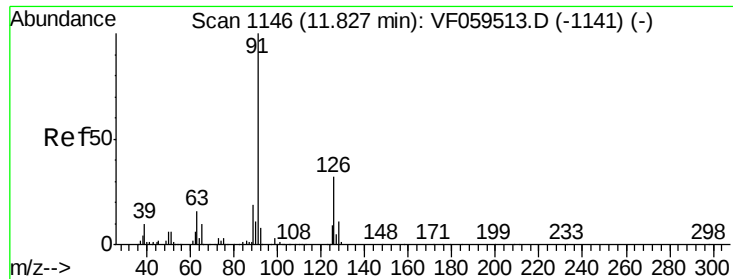
Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	11.3	33.9





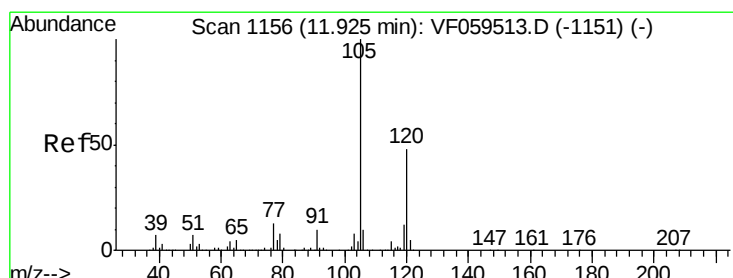
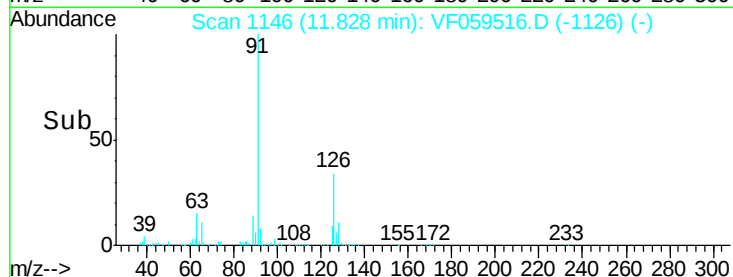
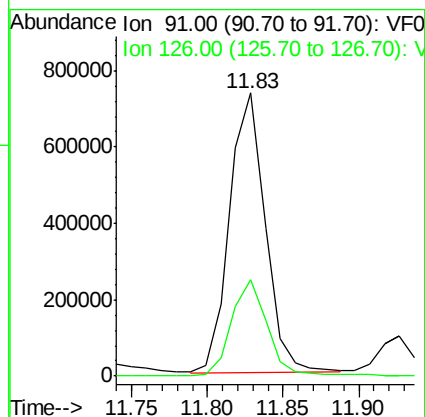
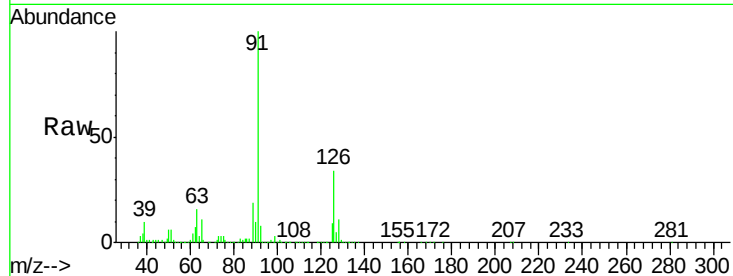
#79
 2-Chlorotoluene
 Concen: 128.77 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1202281
 Ion Ratio Lower Upper
 91 100
 126 34.1 15.7 47.1

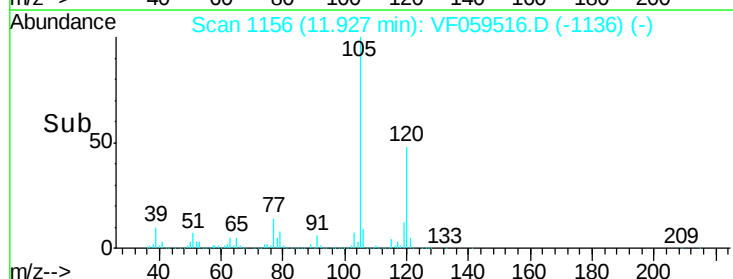
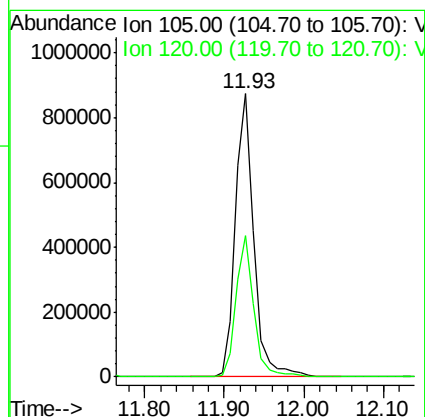
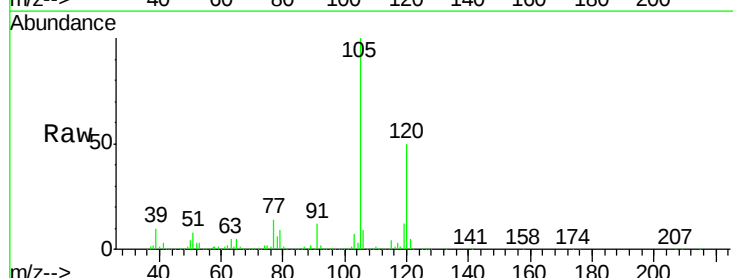
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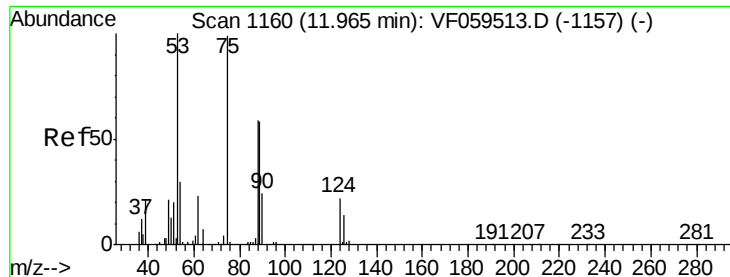
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#80
 1,3,5-Trimethylbenzene
 Concen: 124.42 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion: 105 Resp: 1427438
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 143.06 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 163636

Ion Ratio Lower Upper

75 100

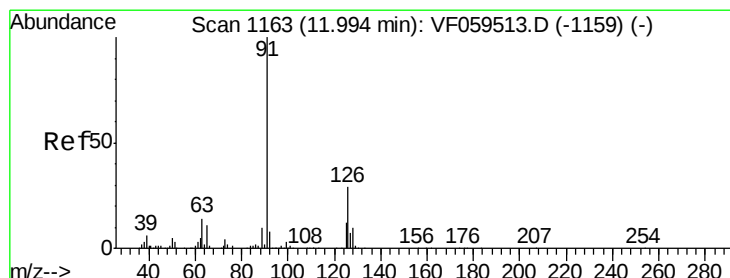
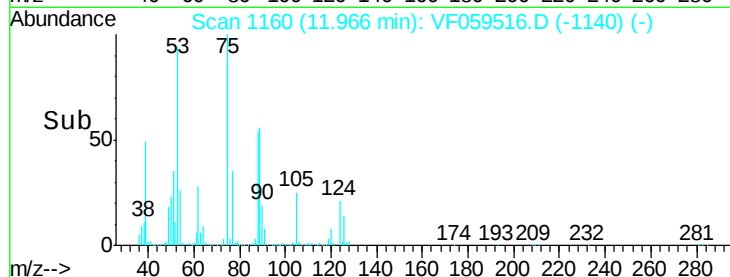
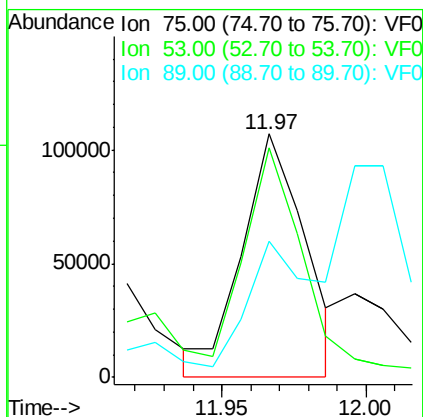
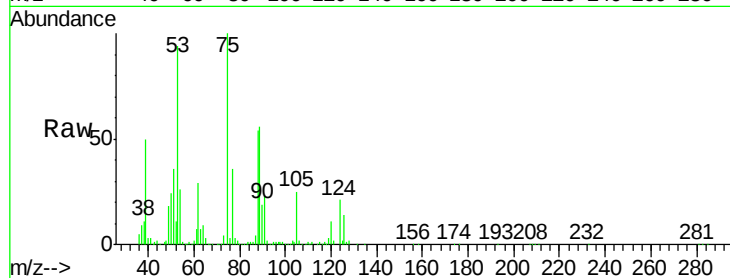
53 94.1 84.6 127.0

89 55.9 48.2 72.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 126.87 ug/l

RT: 12.01 min Scan# 1164

Delta R.T. 0.01 min

Lab File: VF059516.D

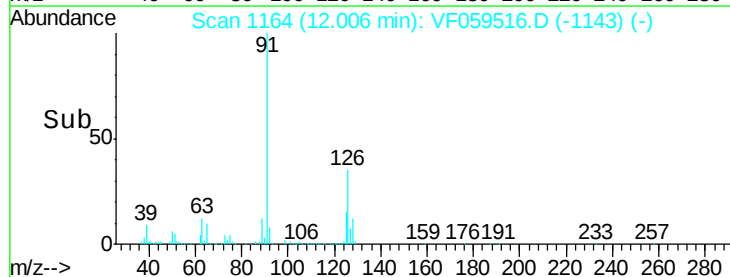
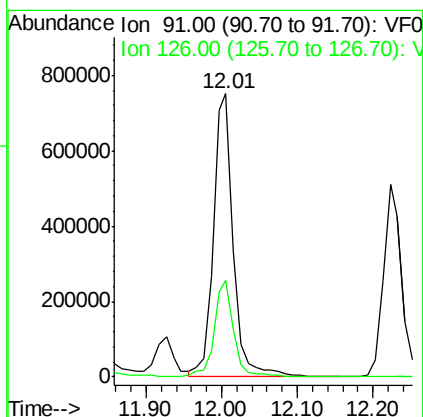
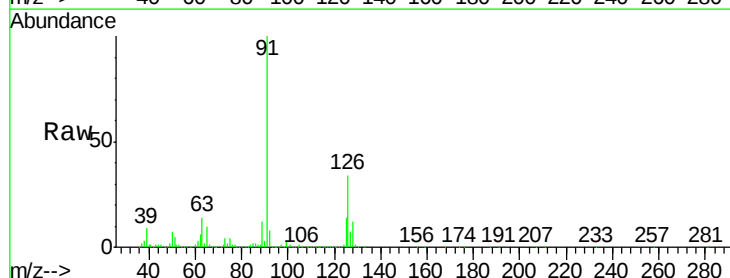
Acq: 17 Jul 2018 19:23

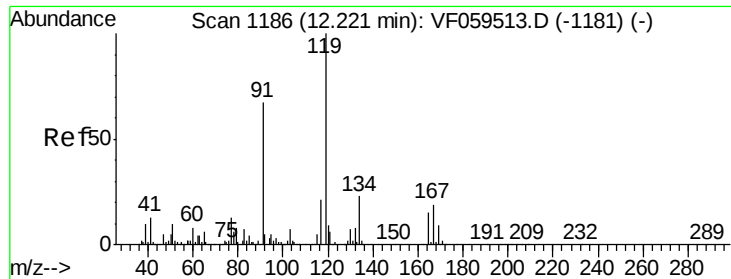
Tgt Ion: 91 Resp: 1372532

Ion Ratio Lower Upper

91 100

126 34.3 14.4 43.4





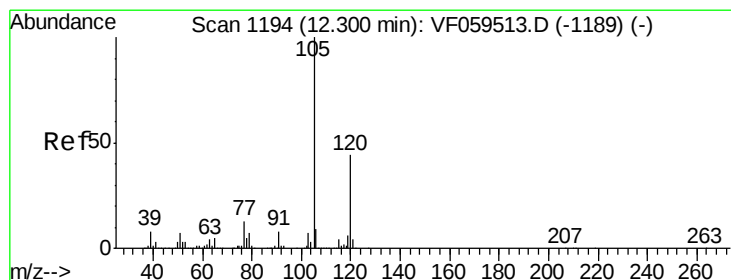
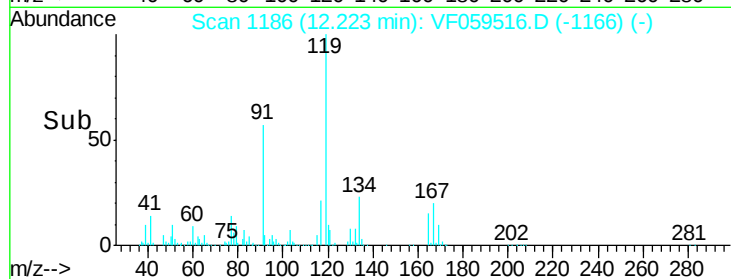
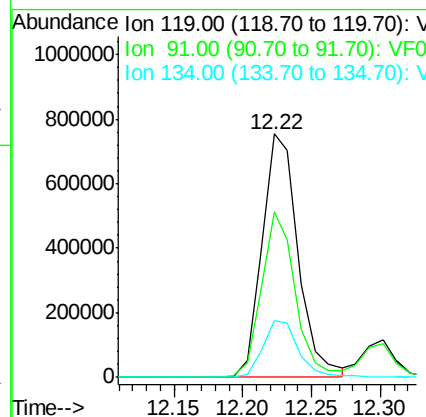
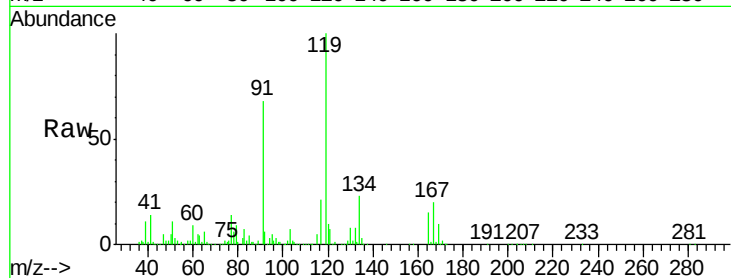
#83
 tert-Butylbenzene
 Concen: 127.60 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1370176
 Ion Ratio Lower Upper
 119 100
 91 67.9 33.5 100.5
 134 23.4 11.3 33.8

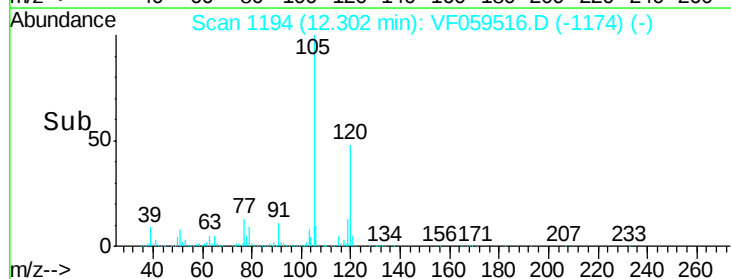
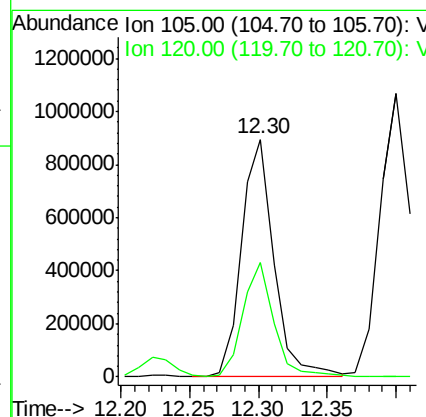
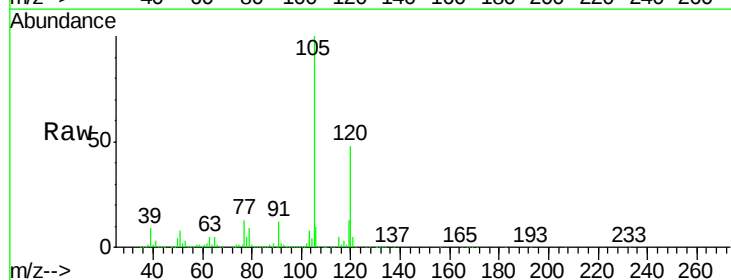
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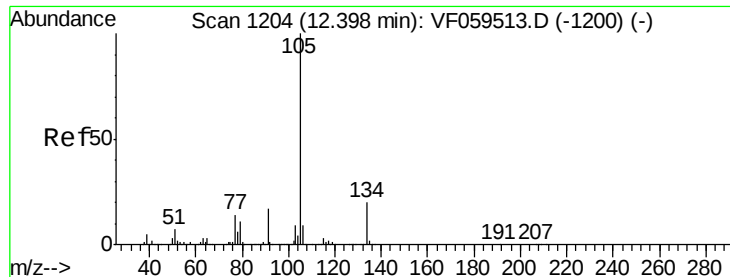
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#84
 1,2,4-Trimethylbenzene
 Concen: 128.37 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion:105 Resp: 1471238
 Ion Ratio Lower Upper
 105 100
 120 48.0 22.5 67.5





#85

sec-Butylbenzene

Concen: 126.71 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1718600

Ion Ratio Lower Upper

105 100

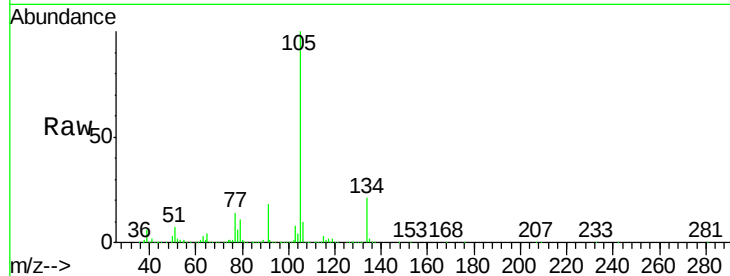
134 21.4 10.1 30.1

Manual Integrations

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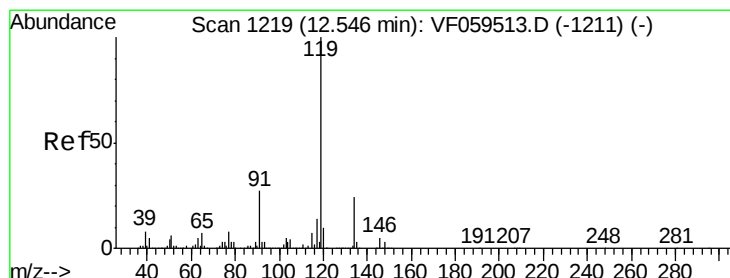
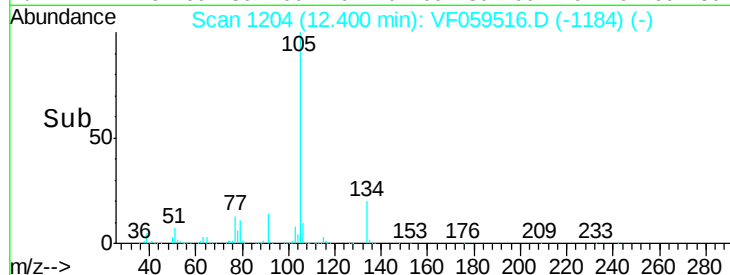
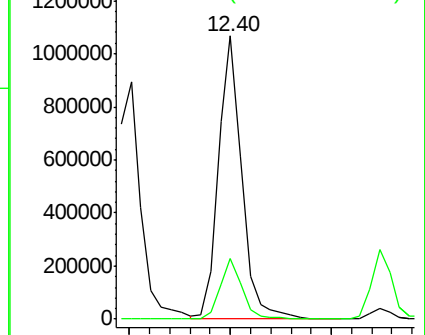
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 123.53 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

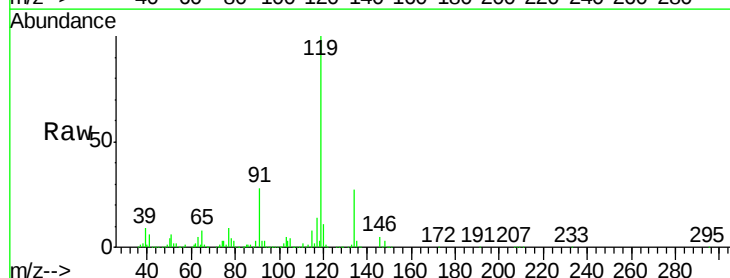
Tgt Ion:119 Resp: 1482009

Ion Ratio Lower Upper

119 100

134 26.8 12.0 36.0

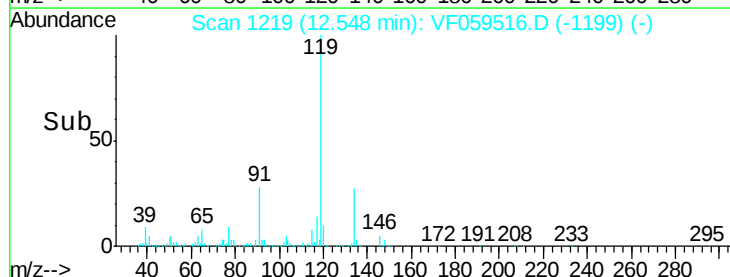
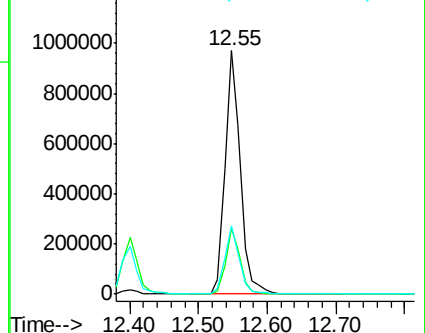
91 28.0 13.5 40.4

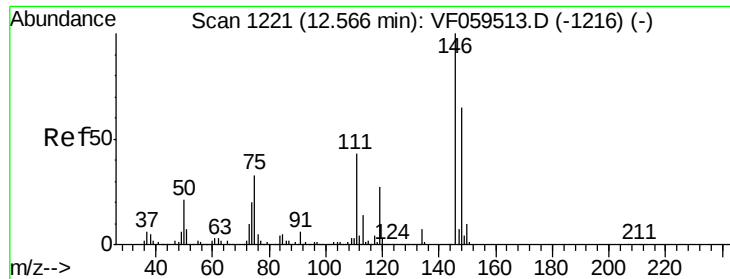


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





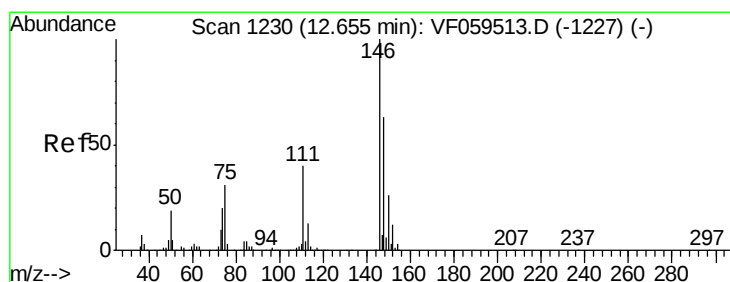
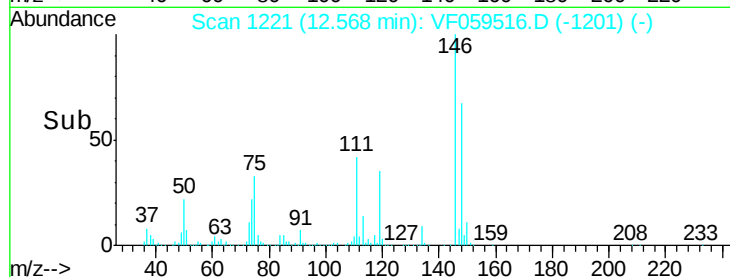
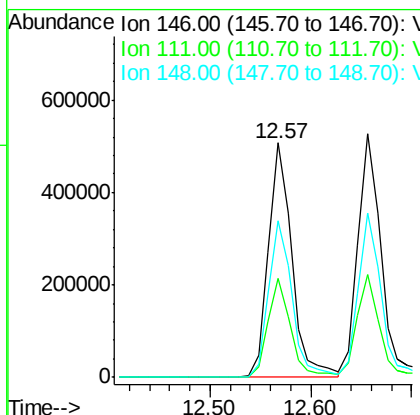
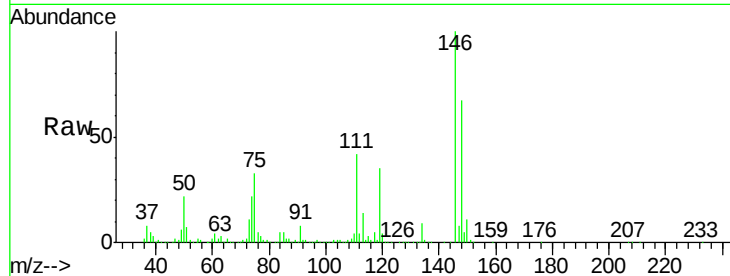
#87
 1,3-Dichlorobenzene
 Concen: 126.76 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.4	64.3
148	66.9	32.7	98.1

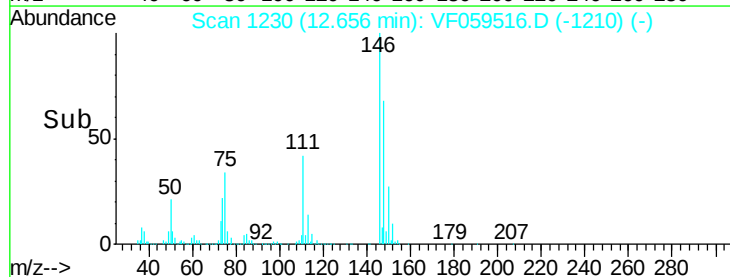
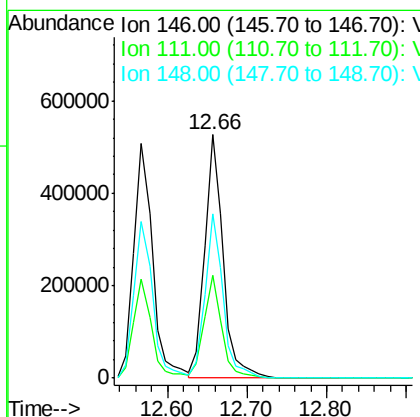
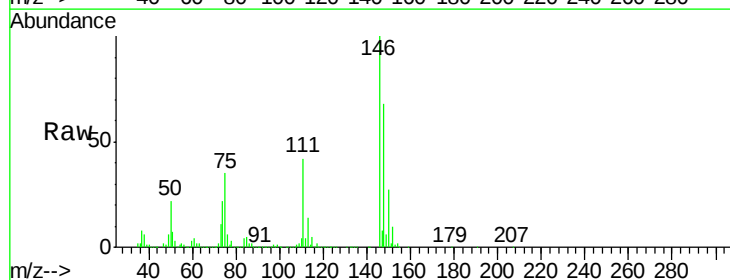
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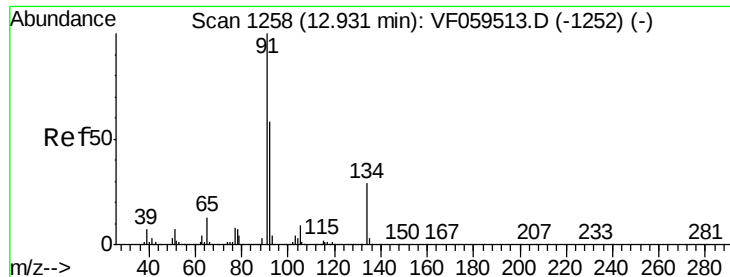
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#88
 1,4-Dichlorobenzene
 Concen: 135.47 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.0	59.9
148	67.7	31.5	94.5





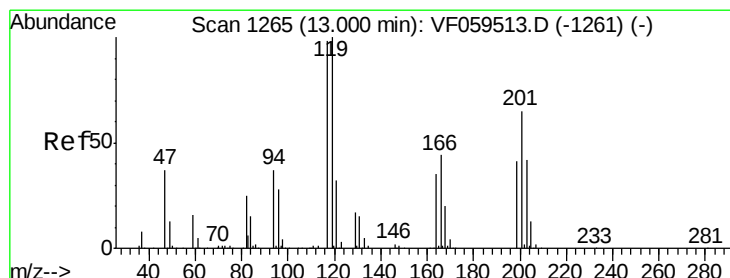
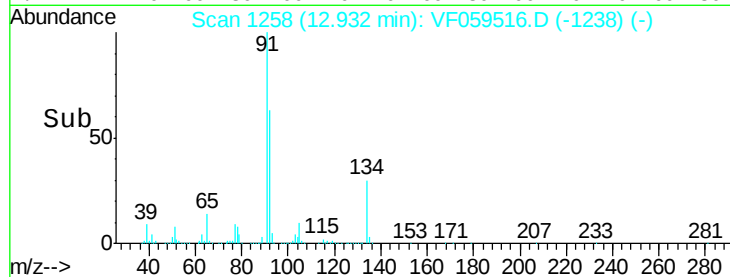
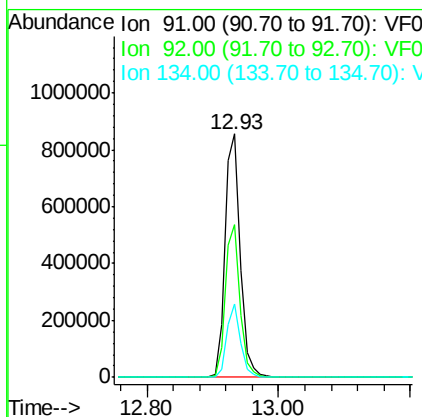
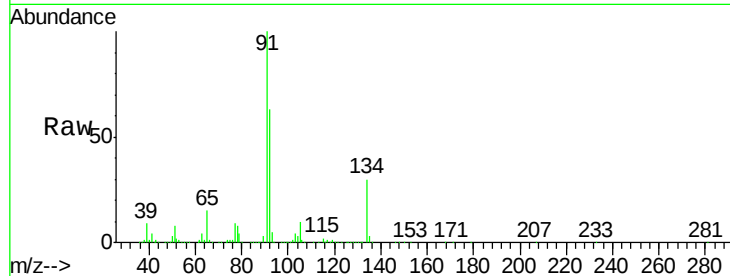
#89
n-Butylbenzene
Concen: 124.88 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.7	29.1	87.3
134	30.0	14.3	42.9

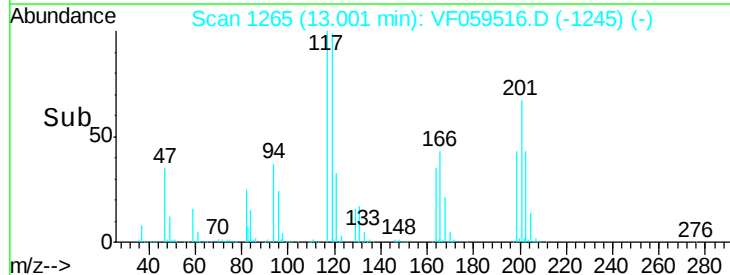
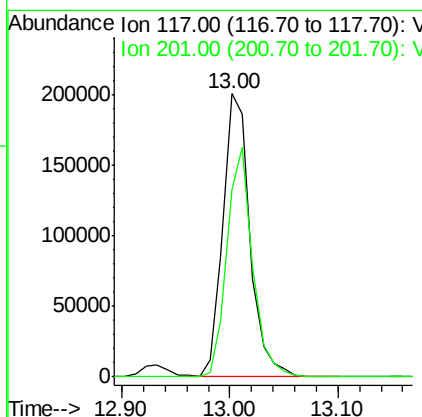
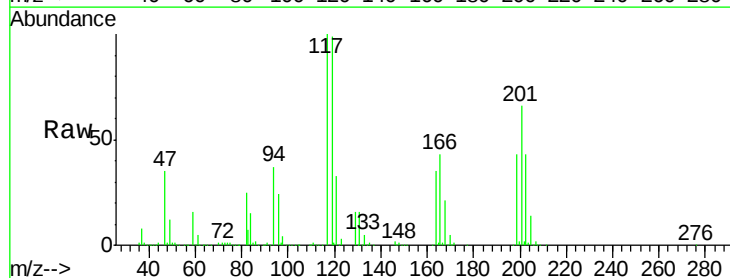
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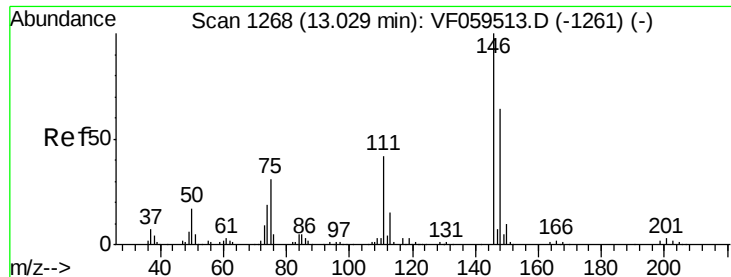
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#90
Hexachloroethane
Concen: 129.35 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.4	32.6	98.0





#91

1,2-Dichlorobenzene

Concen: 128.11 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 768919

Ion Ratio Lower Upper

146 100

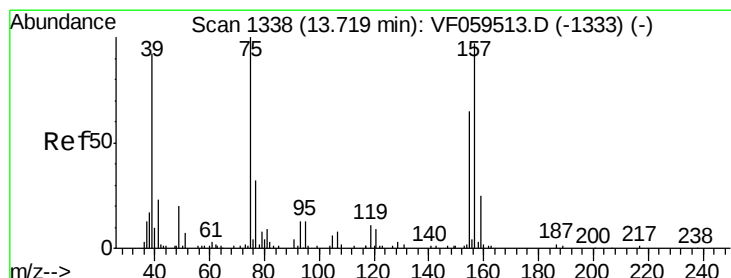
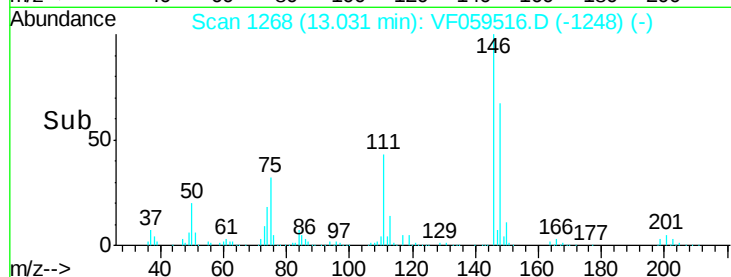
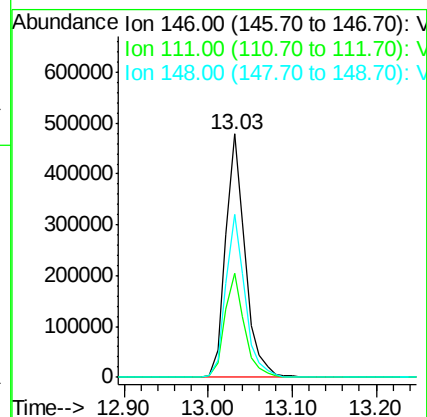
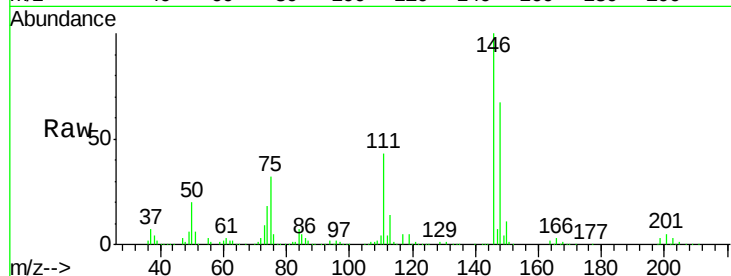
111 42.9 21.1 63.1

148 67.1 32.3 96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 153.42 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VF059516.D

Acq: 17 Jul 2018 19:23

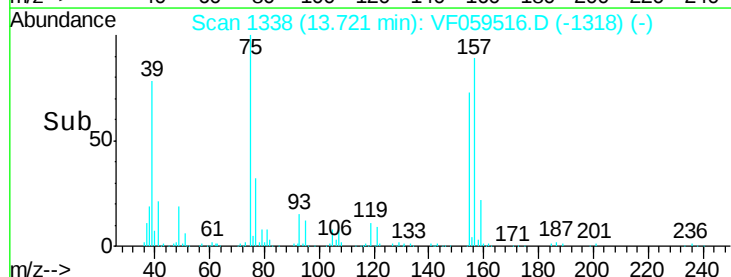
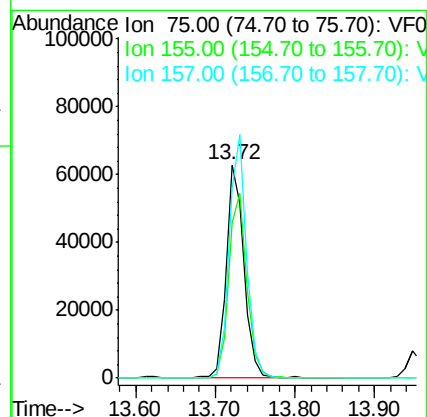
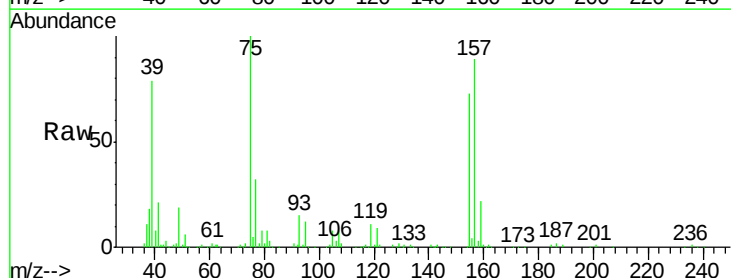
Tgt Ion: 75 Resp: 99675

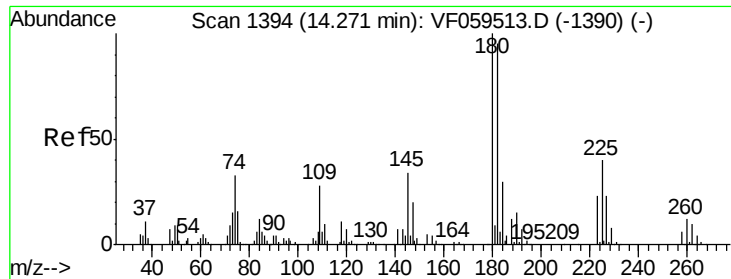
Ion Ratio Lower Upper

75 100

155 72.5 32.8 98.3

157 88.8 48.5 145.5





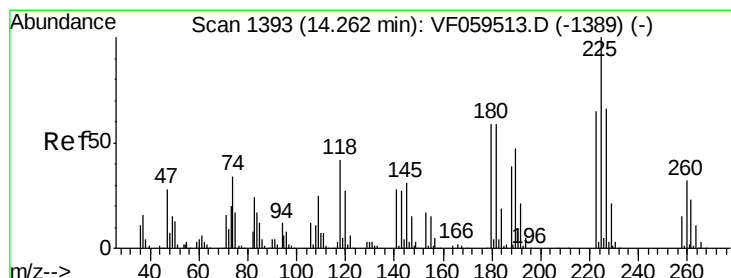
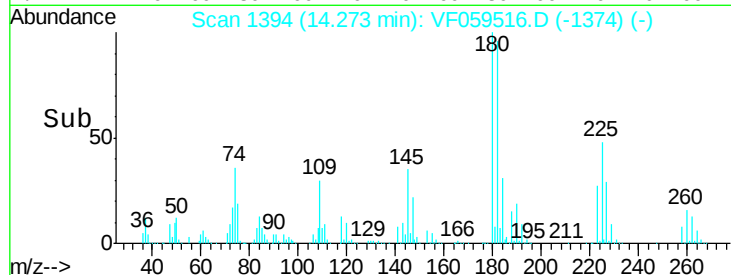
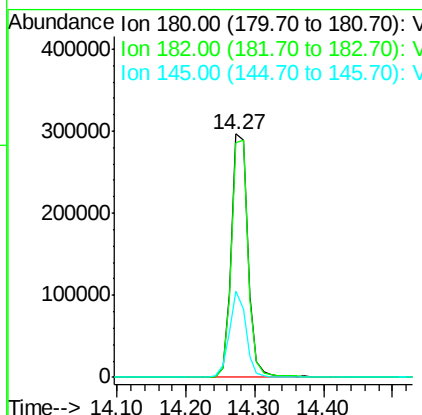
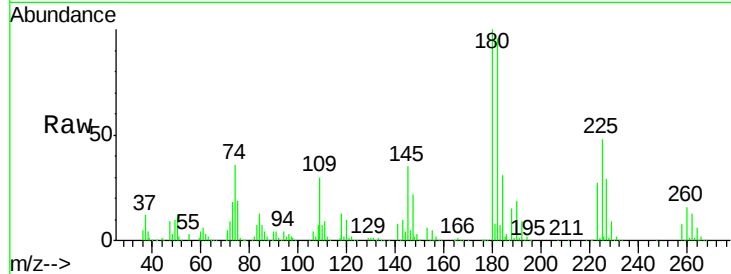
#93
 1,2,4-Trichlorobenzene
 Concen: 132.37 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	496836		
182	96.5	47.5	142.5	
145	35.3	17.3	51.7	

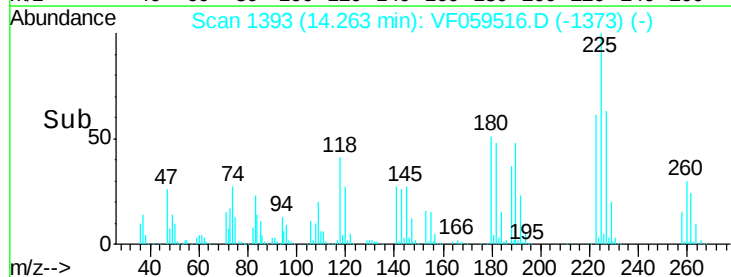
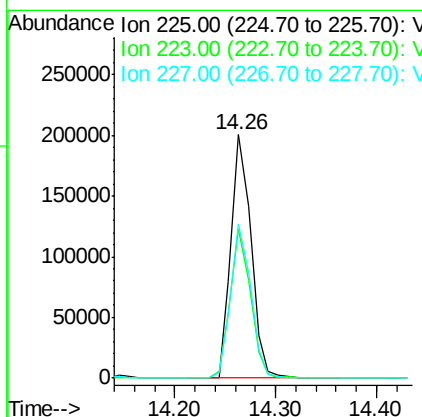
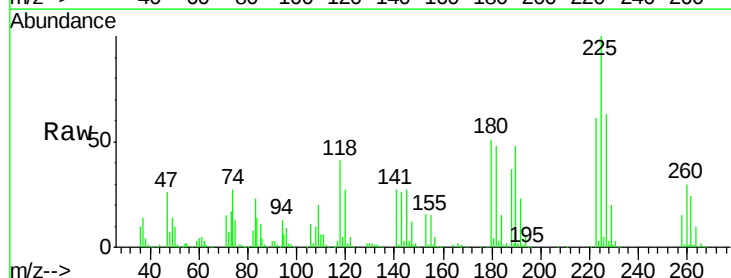
Manual Integrations
 APPROVED

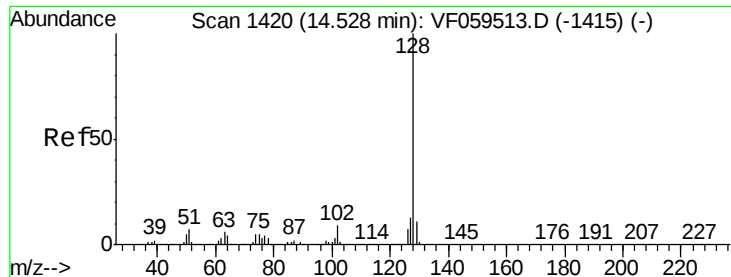
apatel
 7/18/2018 3:16:21 PM



#94
 Hexachlorobutadiene
 Concen: 166.16 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059516.D
 Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	276003		
223	61.4	32.3	96.8	
227	63.2	33.2	99.6	





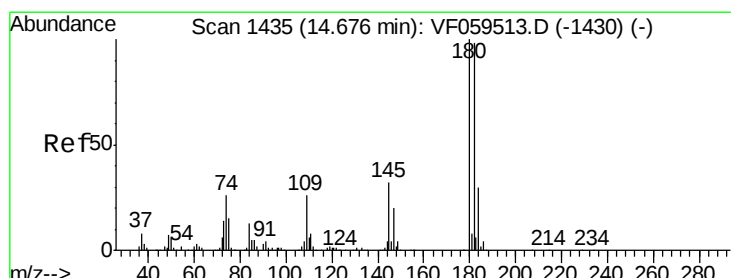
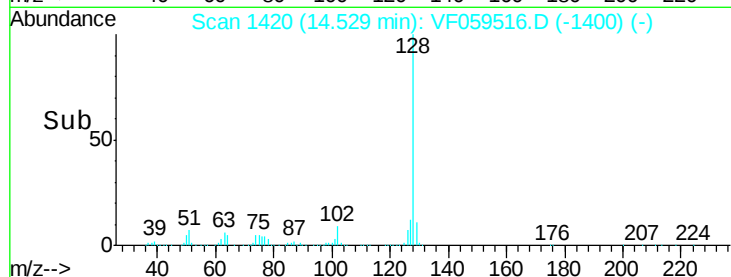
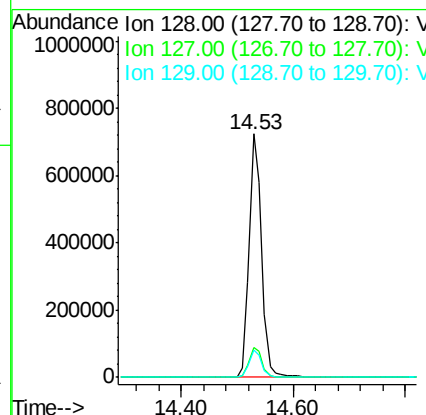
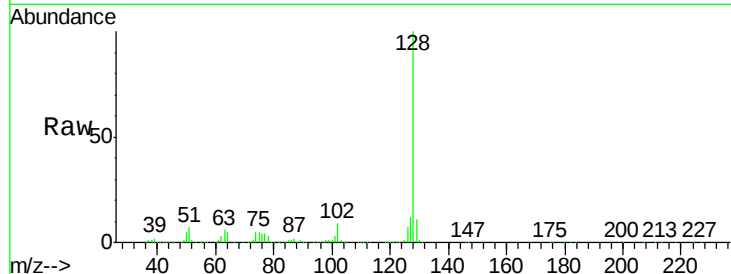
#95
Naphthalene
Concen: 140.03 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	11.4	9.0	13.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 163.28 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059516.D
Acq: 17 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.8	146.4
145	34.5	16.2	48.6

