

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059534.D
 Acq On : 19 Jul 2018 1:22
 Operator : VA/AP
 Sample : J3982-03MS
 Misc : 13.24g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-05-0-2MS

Manual Integrations
 APPROVED

apatel
 7/19/2018 10:18:53 AM

Quant Time: Jul 19 05:58:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	205686	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.75	114	316288	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	300017	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	170205	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	177928	55.62	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	111.24%	
35) Dibromofluoromethane	4.28	113	142571	52.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	7.70	98	339016	49.13	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.50	95	183670	50.74	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.98	85	125989	49.99	ug/l	100
3) Chloromethane	1.08	50	54782	39.51	ug/l	90
4) Vinyl Chloride	1.15	62	66949	47.85	ug/l	94
5) Bromomethane	1.34	94	48233	49.74	ug/l	90
6) Chloroethane	1.43	64	34486	48.88	ug/l #	80
7) Trichlorofluoromethane	1.49	101	170044m	49.66	ug/l	
8) Diethyl Ether	1.69	74	29397	44.61	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.90	101	77988	53.93	ug/l #	88
10) Methyl Iodide	1.96	142	151281	59.76	ug/l	89
11) Tert butyl alcohol	2.68	59	31042	228.95	ug/l	99
12) 1,1-Dichloroethene	1.85	96	74744	48.60	ug/l	92
13) Acrolein	2.08	56	6837	85.56	ug/l	98
14) Allyl chloride	2.19	41	121104	63.10	ug/l	92
15) Acrylonitrile	3.07	53	54074	201.48	ug/l	91
16) Acetone	2.33	43	135575	287.93	ug/l	99
17) Carbon Disulfide	1.86	76	162642	41.27	ug/l	100
18) Methyl Acetate	2.44	43	72802	76.08	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	226092	46.87	ug/l	97
20) Methylene Chloride	2.27	84	73990m	51.40	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	71253	50.11	ug/l	87
22) Diisopropyl ether	2.91	45	268154	49.72	ug/l	95
23) Vinyl Acetate	3.32	43	325243	103.19	ug/l	100
24) 1,1-Dichloroethane	2.99	63	186477	55.98	ug/l	97
25) 2-Butanone	4.49	43	145970	196.54	ug/l	99
26) 2,2-Dichloropropane	3.74	77	118607	53.82	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	94755	57.26	ug/l	98
28) Bromochloromethane	3.87	49	71670	48.88	ug/l #	93
29) Tetrahydrofuran	4.24	42	63042	204.71	ug/l	98
30) Chloroform	4.02	83	266133	55.31	ug/l	94
31) Cyclohexane	3.85	56	84968	49.25	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	201748	64.52	ug/l	96
36) 1,1-Dichloropropene	4.44	75	146578	46.30	ug/l	98
37) Ethyl Acetate	4.27	43	54958	29.93	ug/l #	1
38) Carbon Tetrachloride	4.16	117	210960m	58.15	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	85441	35.56	ug/l	93
40) Benzene	4.80	78	277346	45.16	ug/l	98
41) Methacrylonitrile	4.91	41	32012	35.26	ug/l #	87
42) 1,2-Dichloroethane	5.10	62	205996	51.06	ug/l	100
43) Isopropyl Acetate	7.10	43	63379	27.86	ug/l #	97
44) Trichloroethene	5.66	130	104067	45.78	ug/l	98
45) 1,2-Dichloropropane	6.38	63	85071	49.90	ug/l	100
46) Dibromomethane	6.24	93	70002	45.09	ug/l	96
47) Bromodichloromethane	6.53	83	200106	50.07	ug/l	99
48) Methyl methacrylate	6.86	41	62500	38.47	ug/l	93
49) 1,4-Dioxane	6.86	88	6642	885.92	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	301887	187.21	ug/l	98
52) Toluene	7.76	92	213861	48.01	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	157066	42.73	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	168279	45.98	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	80231	46.49	ug/l	97
56) Ethyl methacrylate	8.75	69	70305	32.85	ug/l	98
57) 1,3-Dichloropropane	8.99	76	143554	47.04	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	43360	229.47	ug/l	100
59) 2-Hexanone	9.62	43	233155	191.31	ug/l	97
60) Dibromochloromethane	8.85	129	141141	48.53	ug/l	98
61) 1,2-Dibromoethane	9.12	107	95428	44.56	ug/l	97
64) Tetrachloroethene	8.29	164	119008	53.27	ug/l	95
65) Chlorobenzene	9.93	112	284159	50.50	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	129001	50.34	ug/l	96
67) Ethyl Benzene	10.03	91	468023	46.73	ug/l	98
68) m/p-Xylenes	10.26	106	326089	92.25	ug/l	99
69) o-Xylene	10.82	106	185900	49.39	ug/l	94
70) Styrene	10.89	104	281929	48.73	ug/l	98
71) Bromoform	10.88	173	84049	47.21	ug/l #	94
73) Isopropylbenzene	11.22	105	512825	47.75	ug/l	97
74) N-amyl acetate	11.45	43	103814	30.18	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	114003	48.67	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	92158	48.18	ug/l	93
77) Bromobenzene	11.59	156	150645	50.04	ug/l	93
78) n-propylbenzene	11.68	91	557774	45.27	ug/l	96
79) 2-Chlorotoluene	11.81	91	376324	49.59	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	426439	47.38	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	32947m	37.70	ug/l	
82) 4-Chlorotoluene	11.98	91	401394	47.21	ug/l	97
83) tert-Butylbenzene	12.21	119	396594	45.92	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	445919	48.16	ug/l	96
85) sec-Butylbenzene	12.38	105	452991	41.24	ug/l	95
86) p-Isopropyltoluene	12.54	119	393355	41.16	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	236585	45.81	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	241459	47.45	ug/l	99
89) n-Butylbenzene	12.91	91	332370	37.16	ug/l	97
90) Hexachloroethane	12.99	117	98527	45.38	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	236093	47.80	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	23185	43.69	ug/l	92

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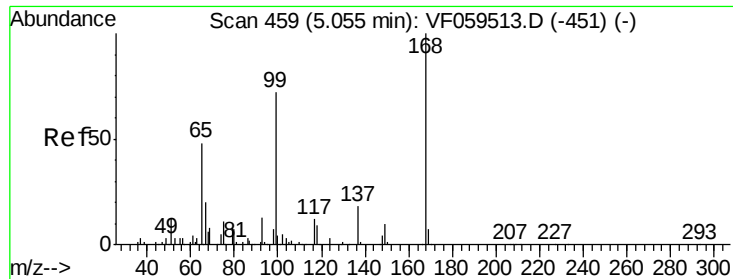
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	130032	43.32	ug/l	98
94) Hexachlorobutadiene	14.25	225	44331	28.83	ug/l	96
95) Naphthalene	14.52	128	279137	44.77	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	115484	42.59	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion:168 Resp: 205686

Ion Ratio Lower Upper

168 100

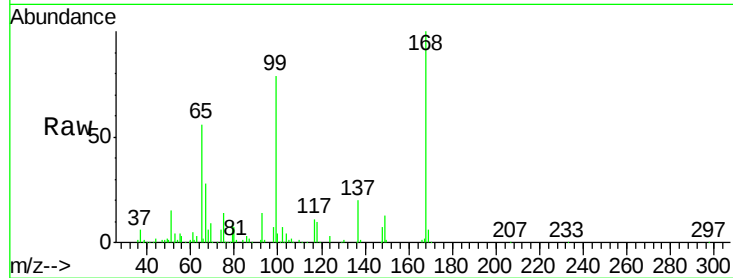
99 79.1 57.6 86.4

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

60000

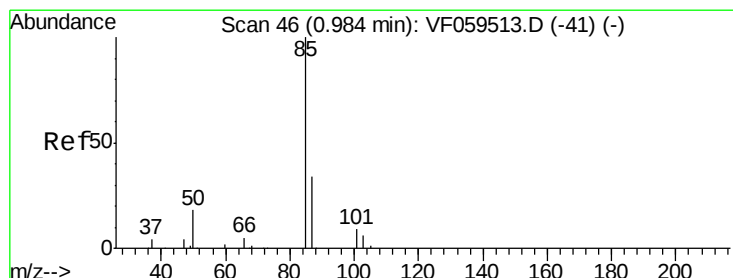
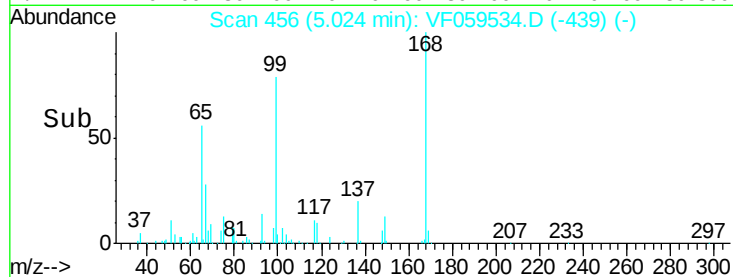
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.99 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059534.D

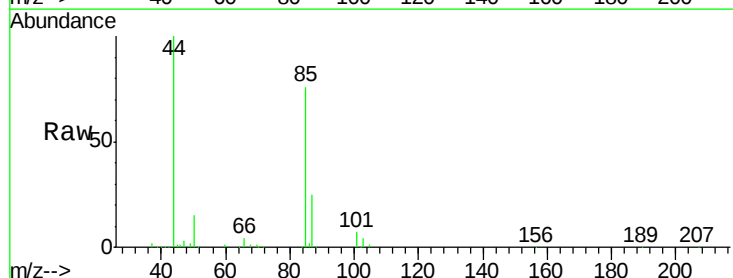
Acq: 19 Jul 2018 1:22

Tgt Ion: 85 Resp: 125989

Ion Ratio Lower Upper

85 100

87 33.5 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

30000

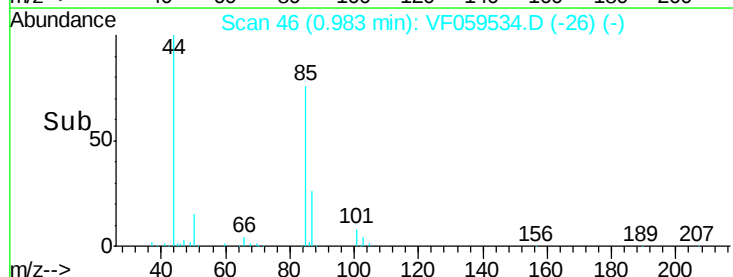
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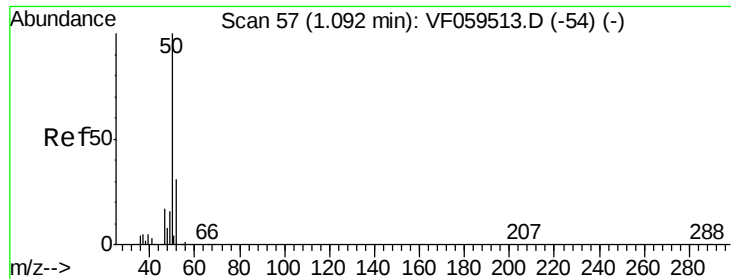
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 39.51 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion: 50 Resp: 54782

Ion Ratio Lower Upper

50 100

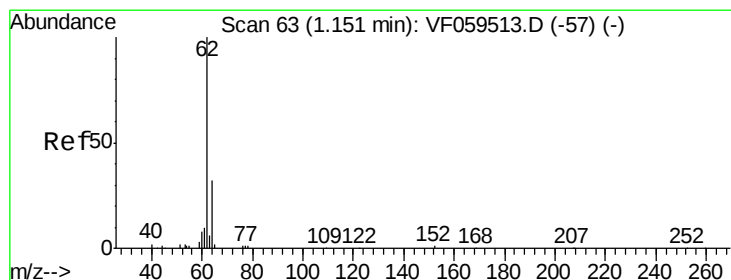
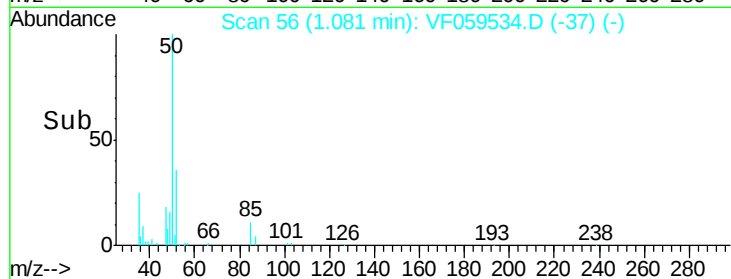
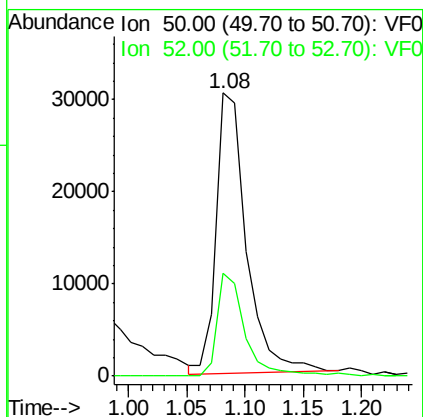
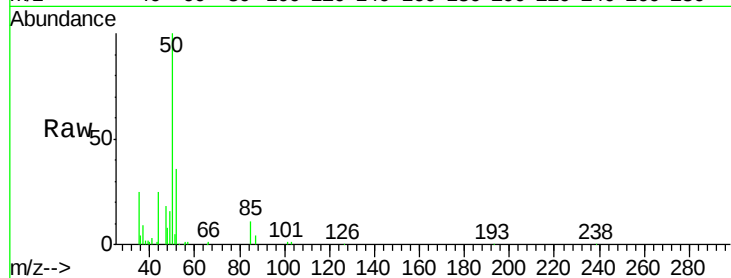
52 36.2 24.6 37.0

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#4

Vinyl Chloride

Concen: 47.85 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059534.D

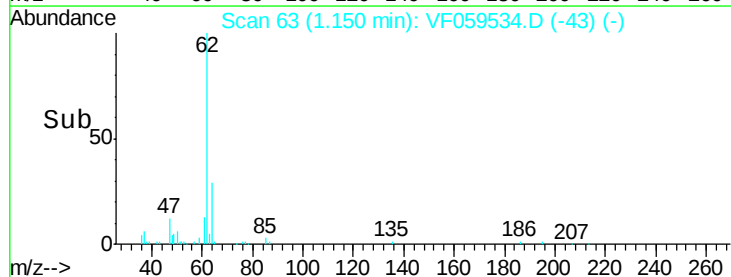
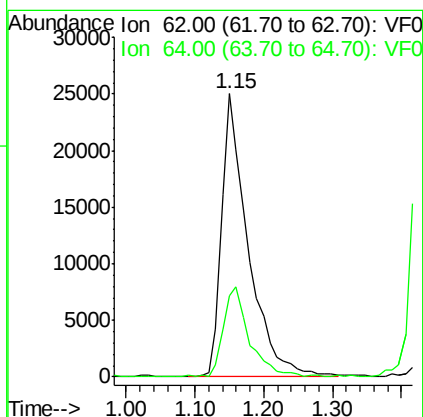
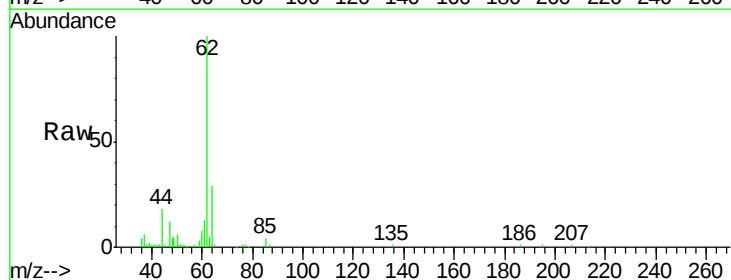
Acq: 19 Jul 2018 1:22

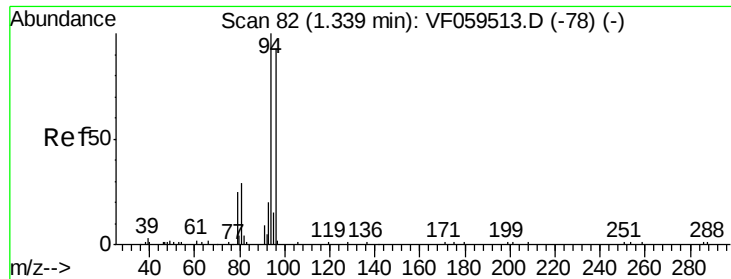
Tgt Ion: 62 Resp: 66949

Ion Ratio Lower Upper

62 100

64 28.7 25.7 38.5





#5

Bromomethane

Concen: 49.74 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

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CON-SB-05-0-2MS

Tot Ion: 94 Resp: 48233

Ion Ratio Lower Upper

94 100

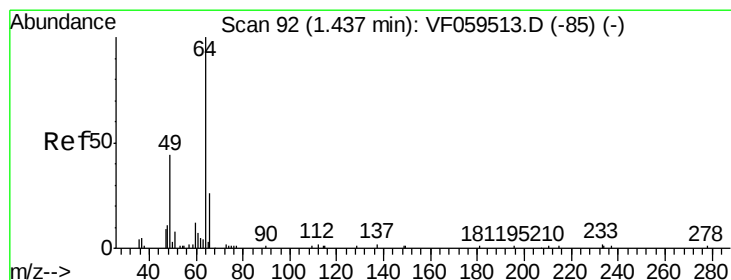
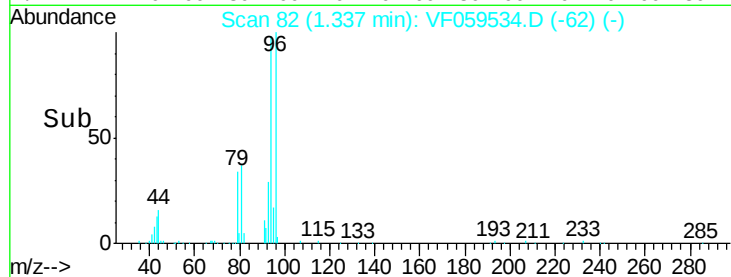
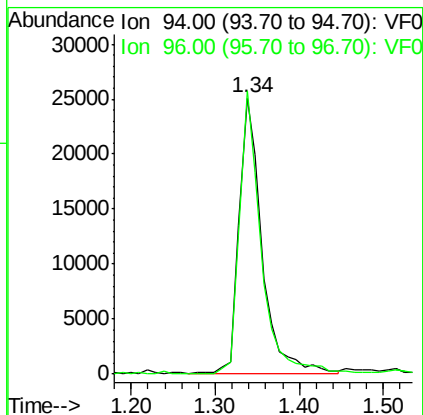
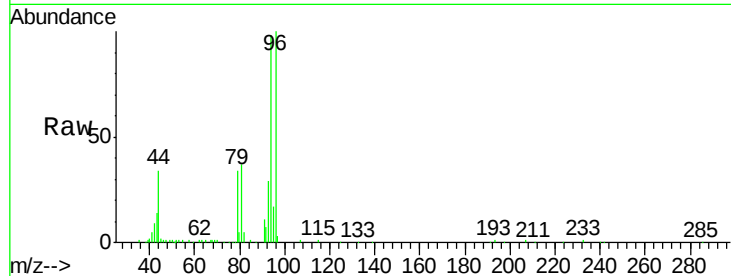
96 102.5 74.2 111.2

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#6

Chloroethane

Concen: 48.88 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059534.D

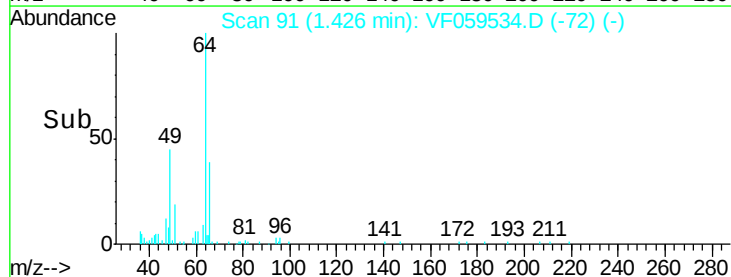
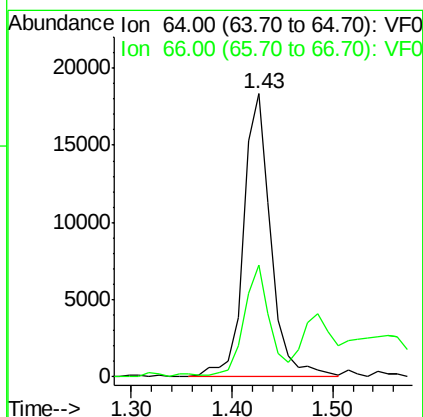
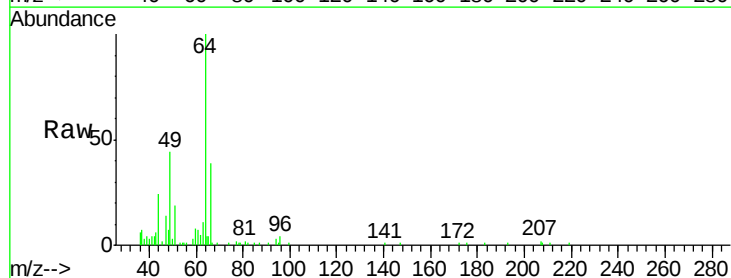
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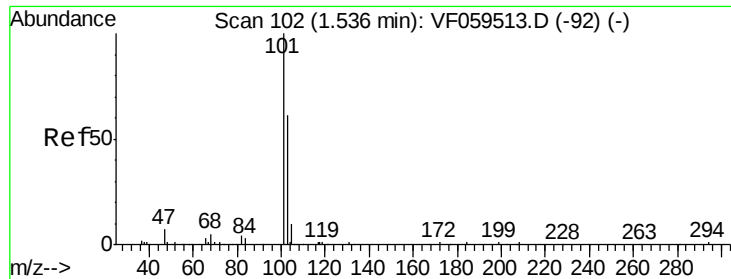
Tgt Ion: 64 Resp: 34486

Ion Ratio Lower Upper

64 100

66 39.5 22.9 34.3#





#7

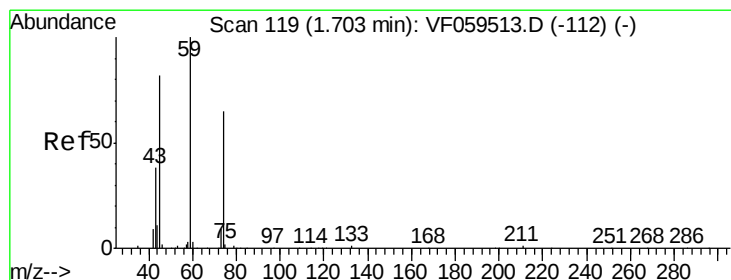
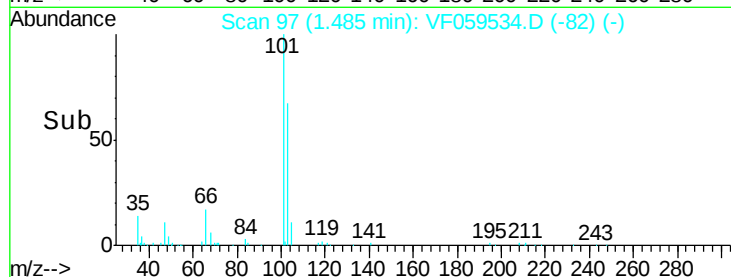
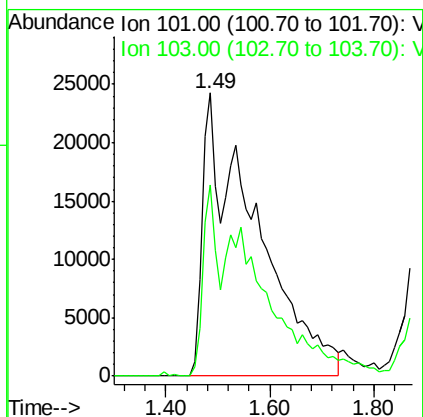
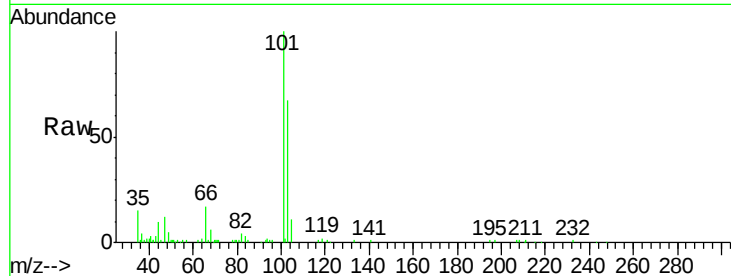
Trichlorofluoromethane
Concen: 49.66 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.05 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	48.6	72.8

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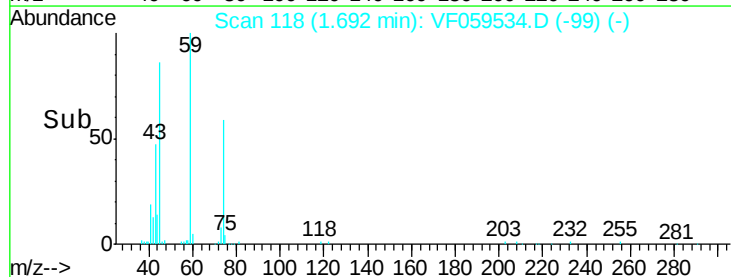
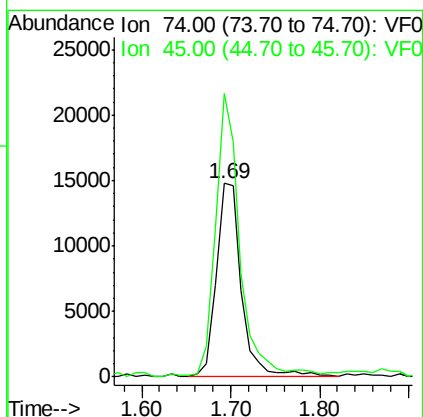
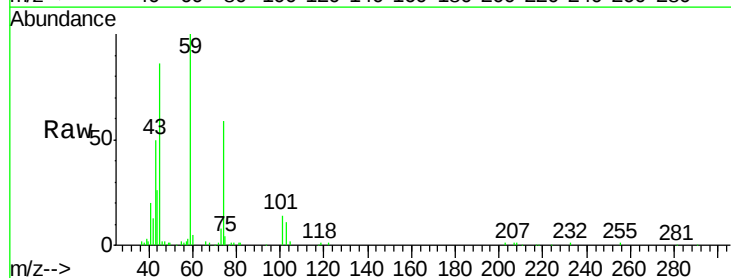
apatel
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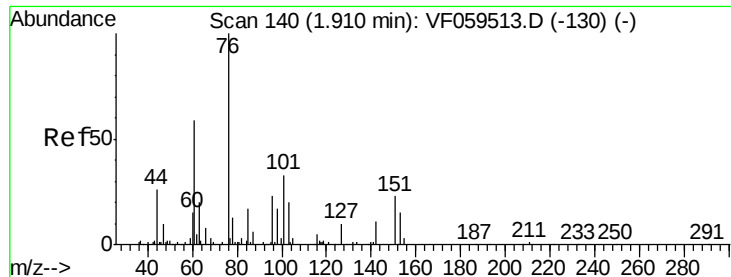


#8

Diethyl Ether
Concen: 44.61 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	146.4	63.6	190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.93 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

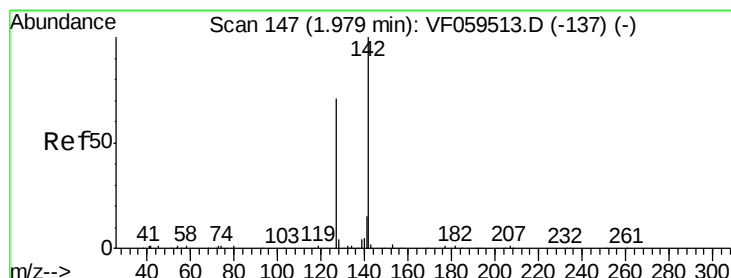
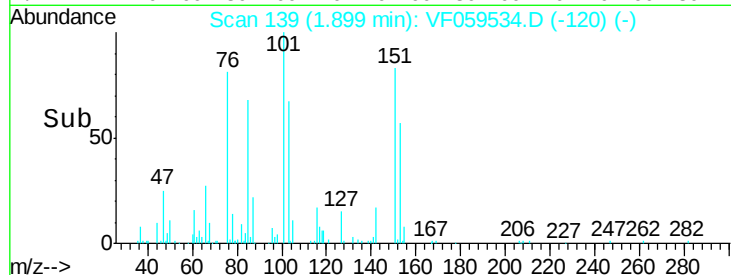
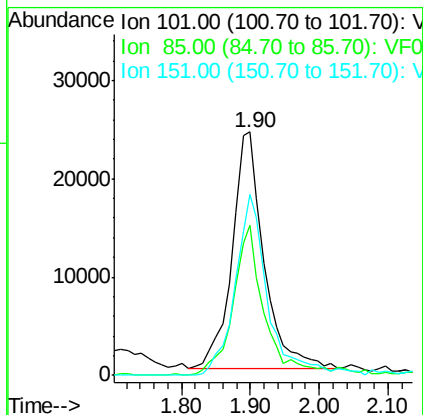
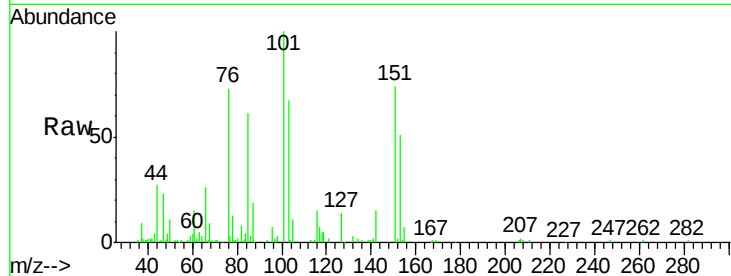
ClientSampleId :

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Tot Ion:	101	Resp:	77988
Ion Ratio	Lower	Upper	
101	100		
85	61.4	39.8	59.6#
151	74.1	54.2	81.2

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#10

Methyl Iodide

Concen: 59.76 ug/l

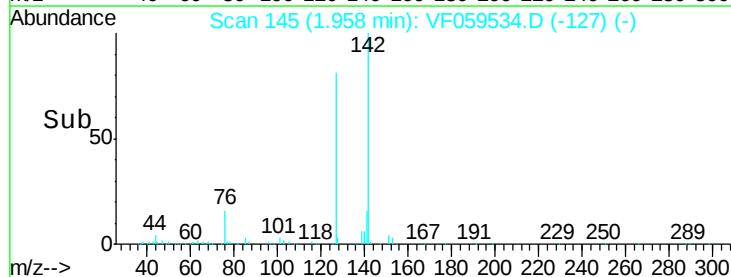
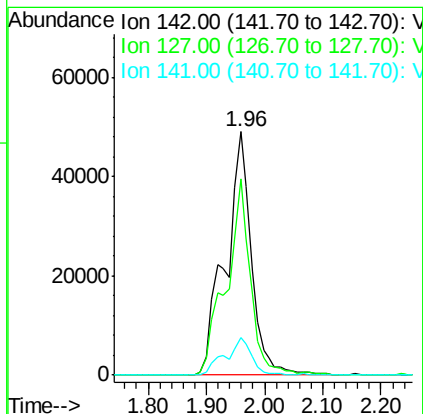
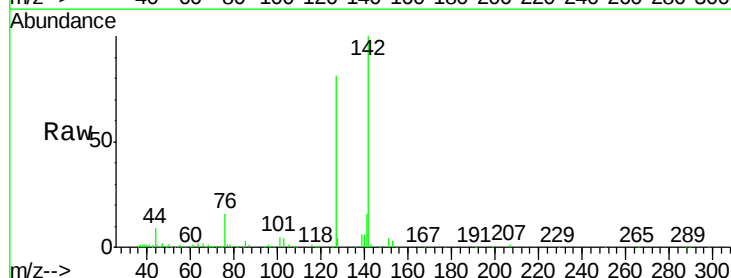
RT: 1.96 min Scan# 145

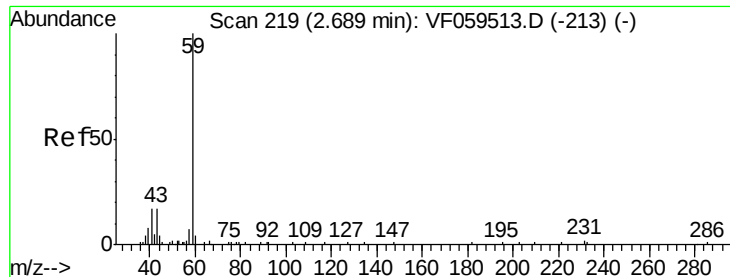
Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion:	142	Resp:	151281
Ion Ratio	Lower	Upper	
142	100		
127	80.8	56.4	84.6
141	15.6	12.0	18.0





#11

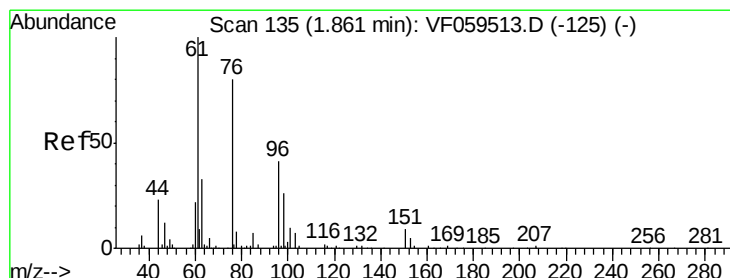
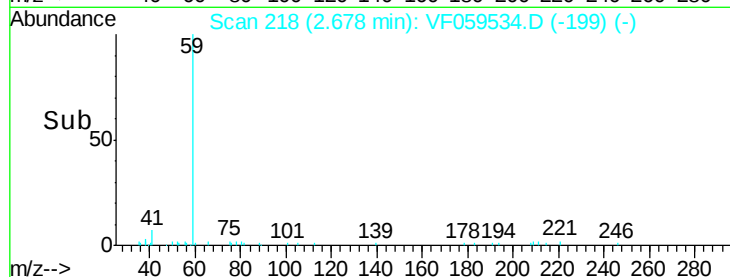
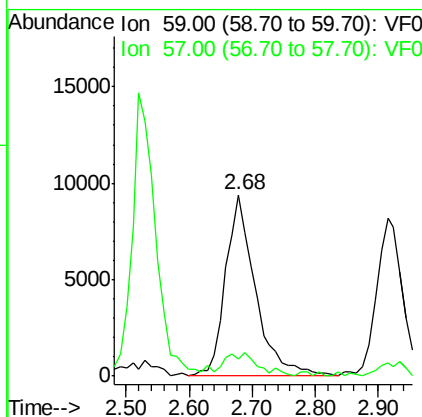
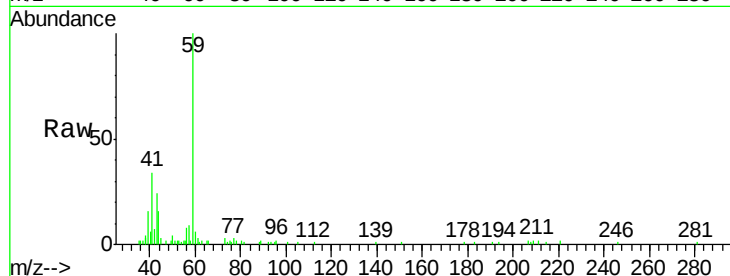
Tert butyl alcohol
Concen: 228.95 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.7	11.5

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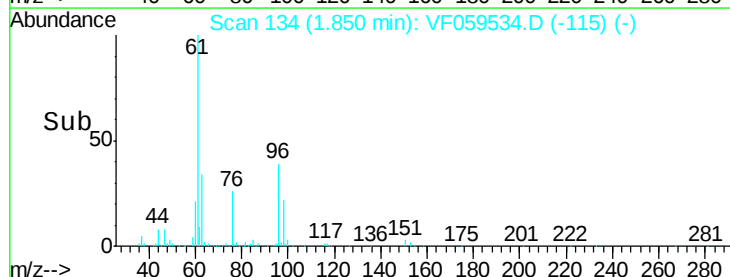
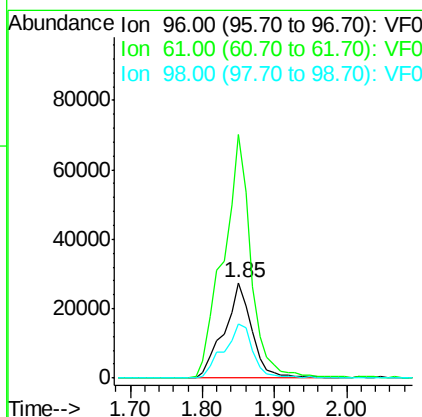
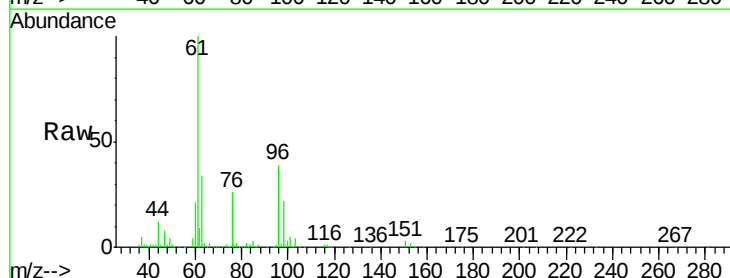
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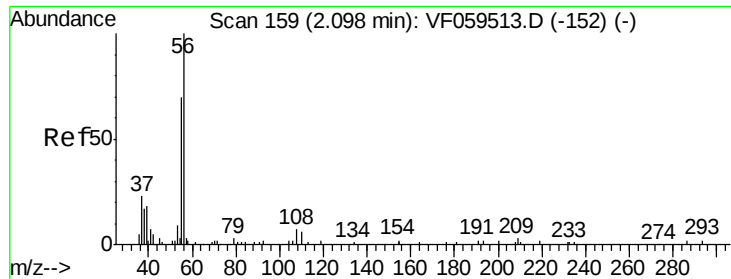


#12

1,1-Dichloroethene
Concen: 48.60 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	255.4	194.3	291.5
98	56.4	50.3	75.5





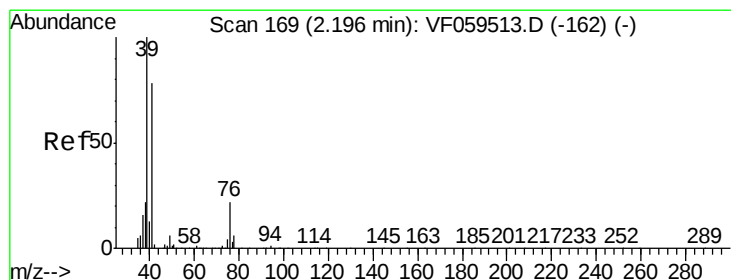
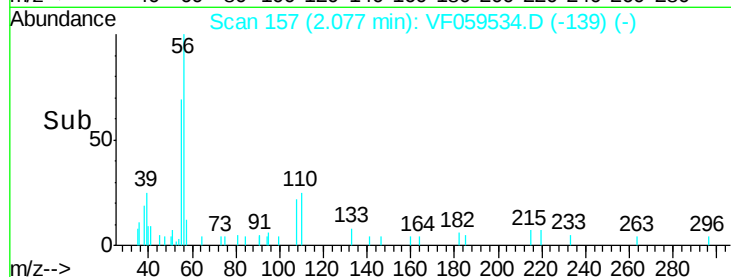
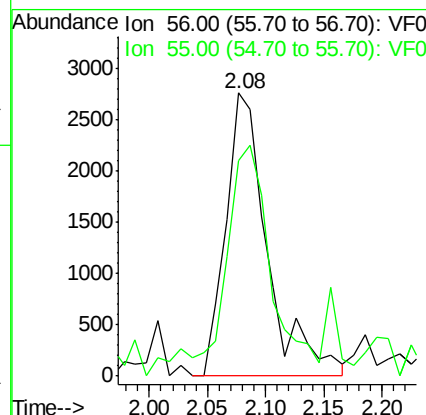
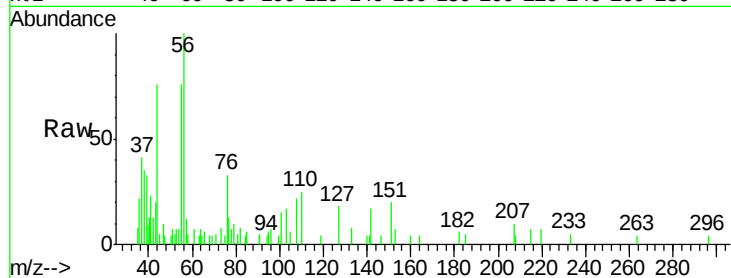
#13
Acrolein
Concen: 85.56 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.1	59.4	89.2

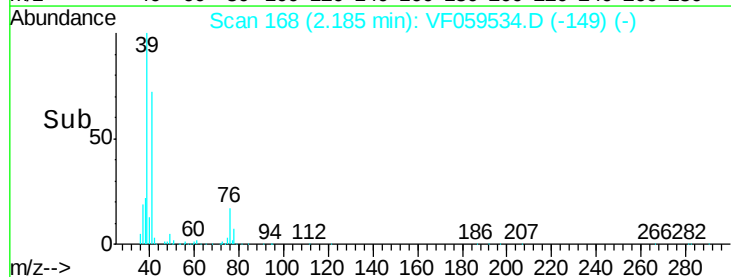
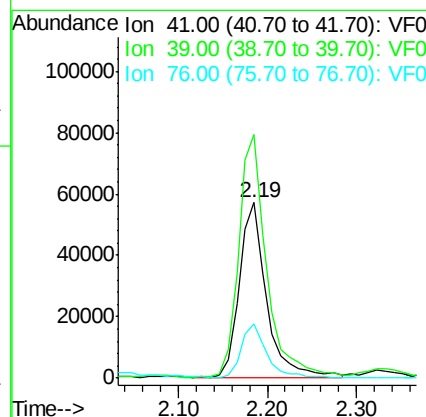
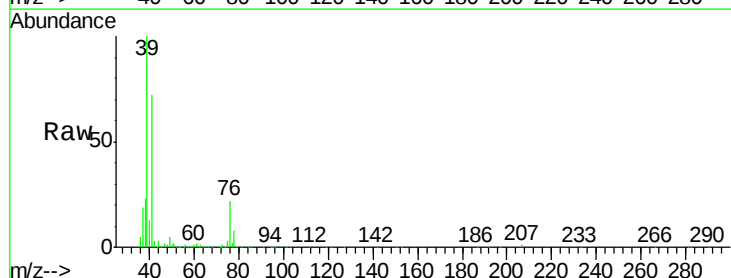
Manual Integrations
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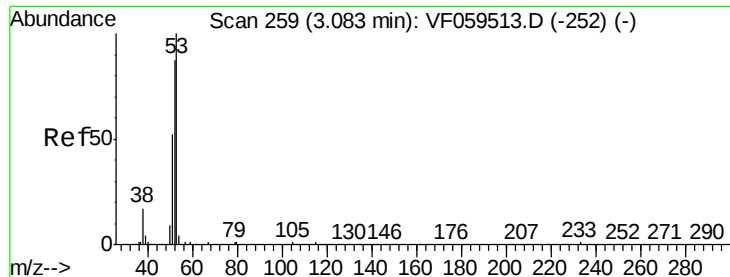
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#14
Allyl chloride
Concen: 63.10 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	138.8	103.0	154.4
76	30.9	22.6	34.0





#15

Acrylonitrile

Concen: 201.48 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059534.D

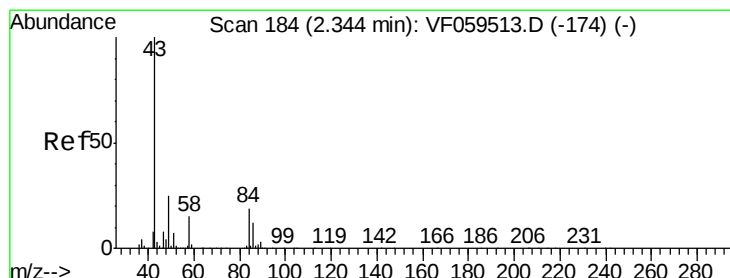
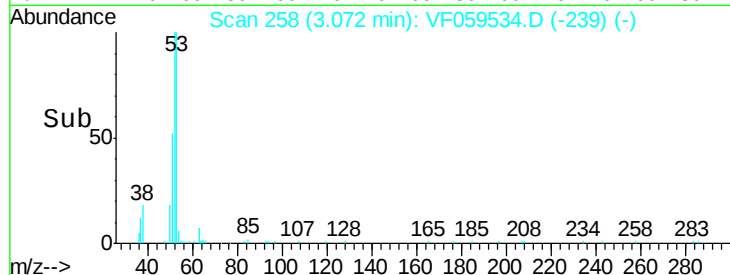
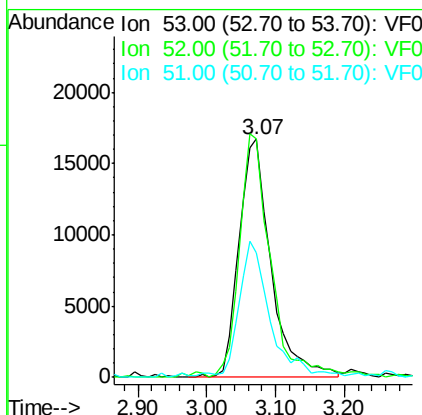
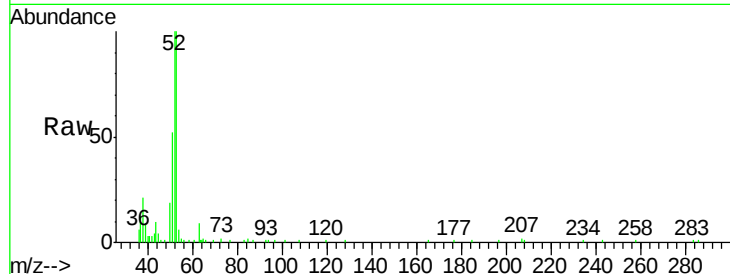
Acq: 19 Jul 2018 1:22

Tot Ion:	53	Resp:	54074
Ion Ratio	Lower	Upper	
53	100		
52	100.3	70.1	105.1
51	52.4	42.5	63.7

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

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#16

Acetone

Concen: 287.93 ug/l

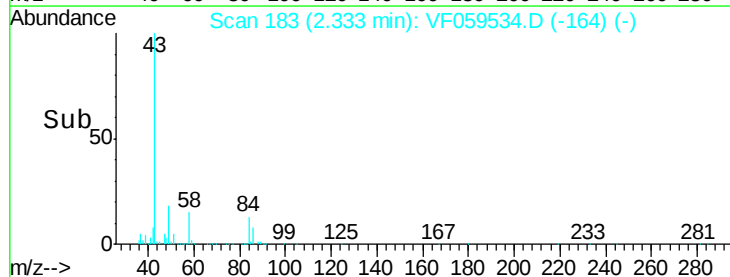
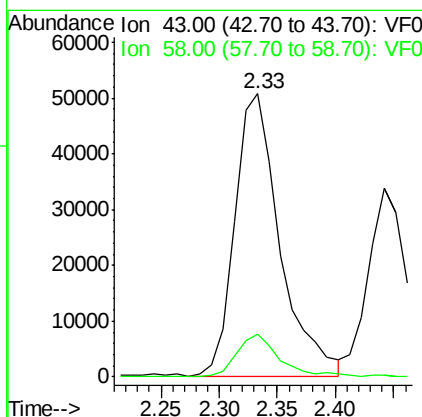
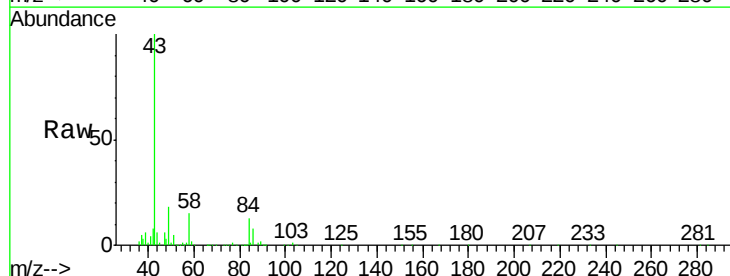
RT: 2.33 min Scan# 183

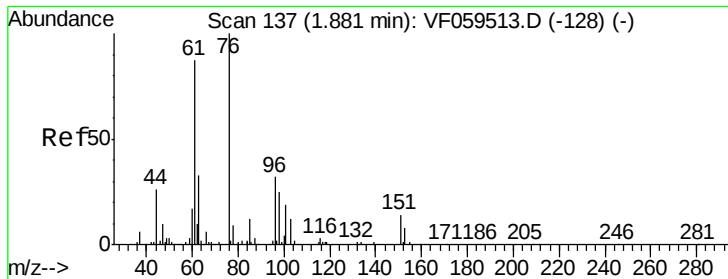
Delta R.T. -0.01 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion:	43	Resp:	135575
Ion Ratio	Lower	Upper	
43	100		
58	15.2	11.8	17.6





#17

Carbon Disulfide

Concen: 41.27 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tot Ion: 76 Resp: 162642

Ion Ratio Lower Upper

76 100

78 9.8 7.8 11.6

Instrument :

MSVOA_F

ClientSampleId :

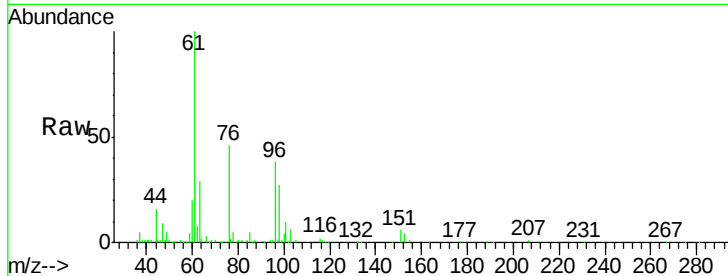
CON-SB-05-0-2MS

Manual Integrations

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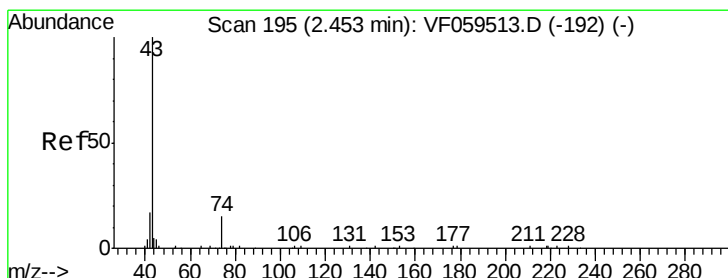
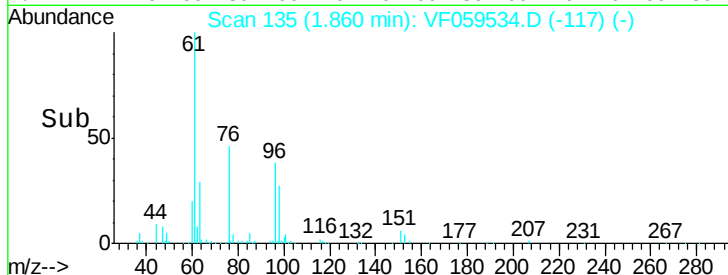
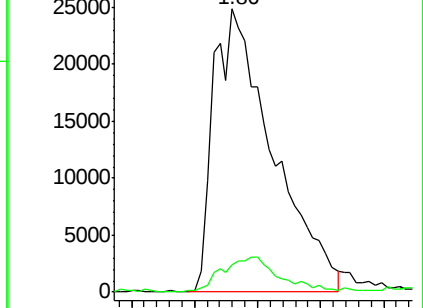
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 76.08 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059534.D

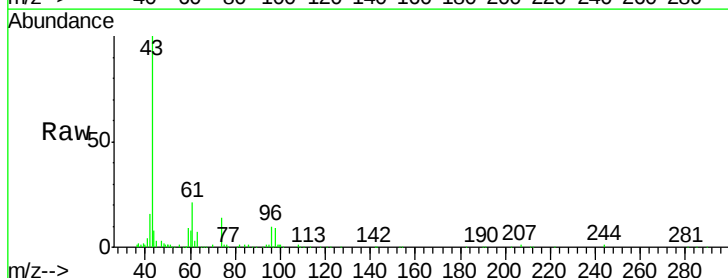
Acq: 19 Jul 2018 1:22

Tgt Ion: 43 Resp: 72802

Ion Ratio Lower Upper

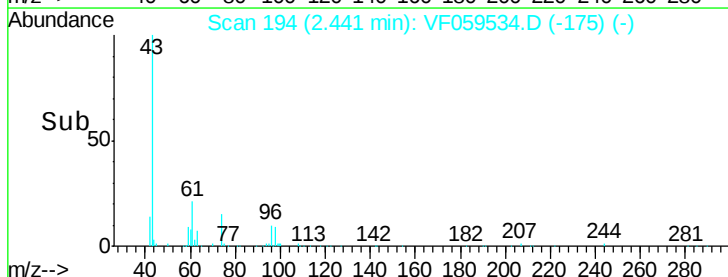
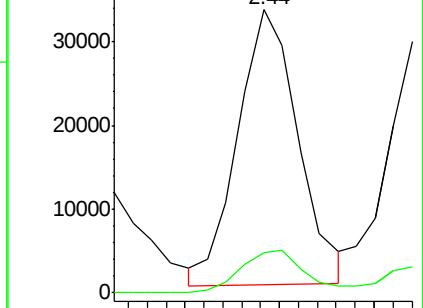
43 100

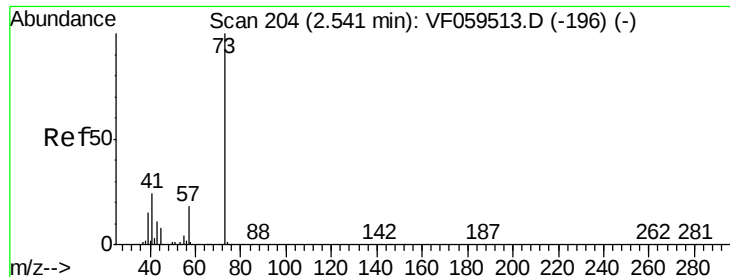
74 14.4 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





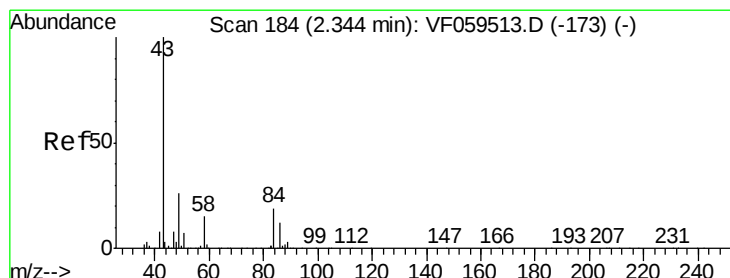
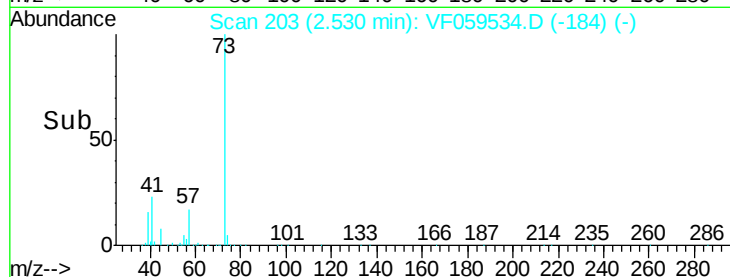
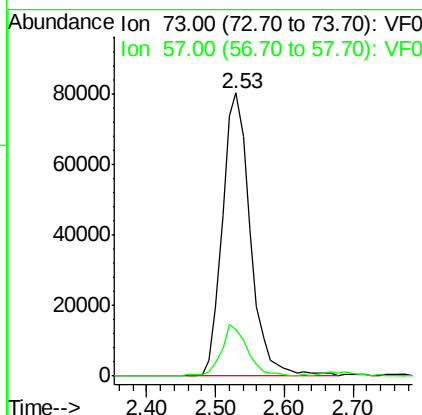
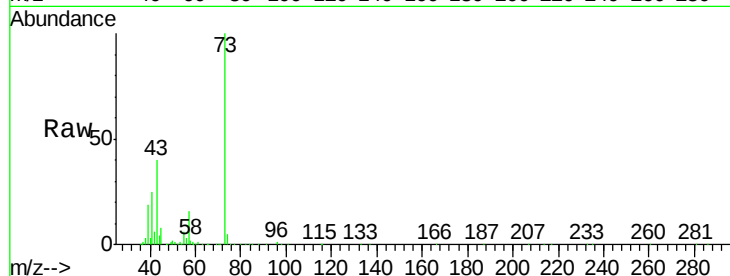
#19
Methvl tert-butvl Ether
Concen: 46.87 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.5	14.3	21.5

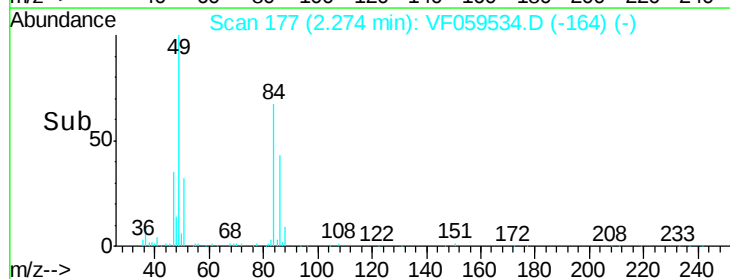
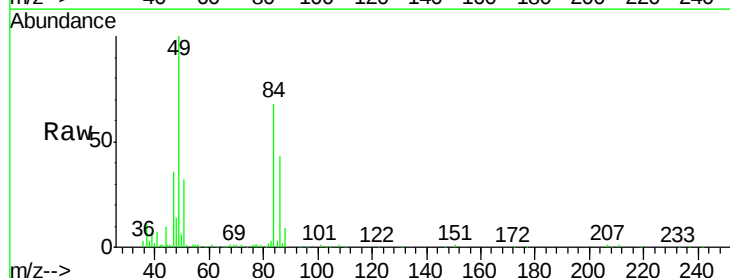
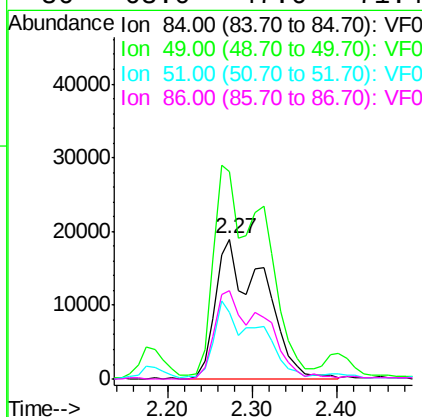
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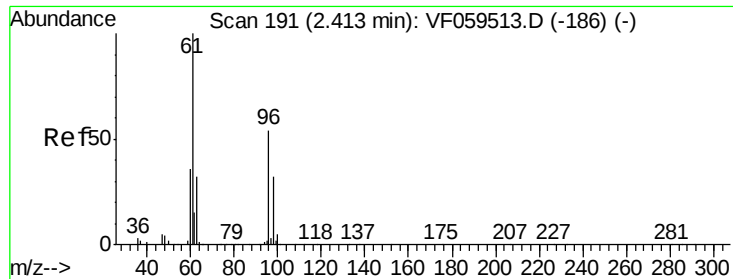
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#20
Methylene Chloride
Concen: 51.40 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.9	109.4	164.2
51	47.6	30.5	45.7#
86	63.0	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 50.11 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

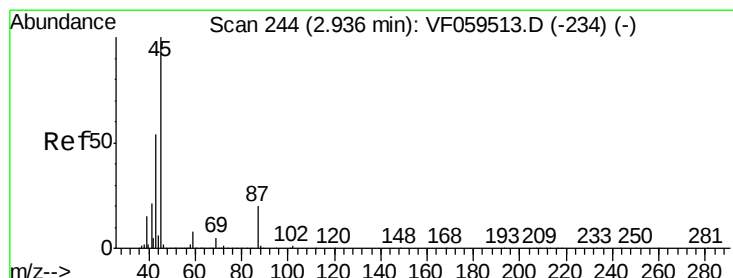
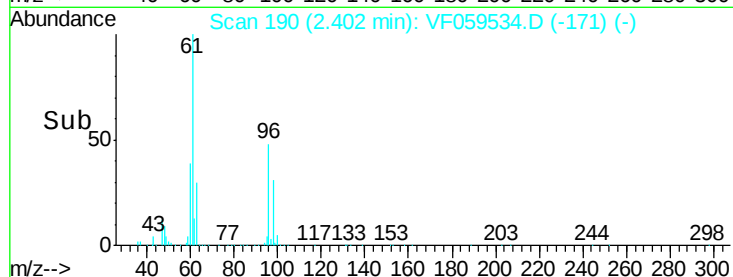
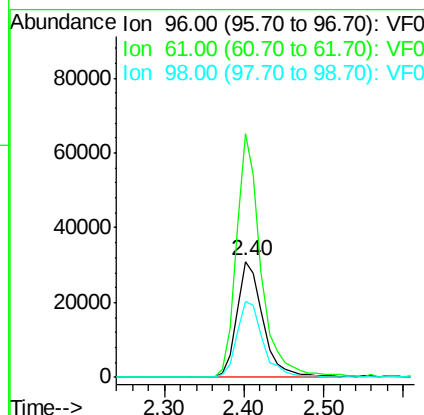
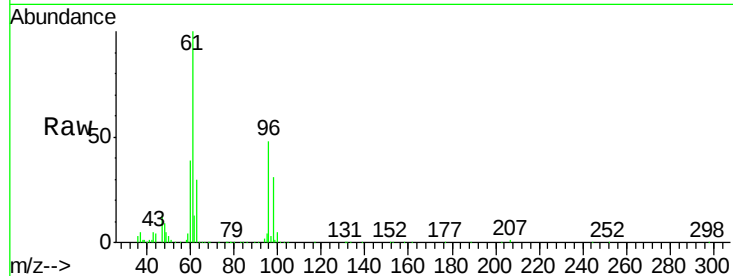
ClientSampleId :

CON-SB-05-0-2MS

Tot Ion:	96	Resp:	71253
Ion	Ratio	Lower	Upper
96	100		
61	209.5	149.8	224.8
98	65.5	47.8	71.8

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#22

Diisopropyl ether

Concen: 49.72 ug/l

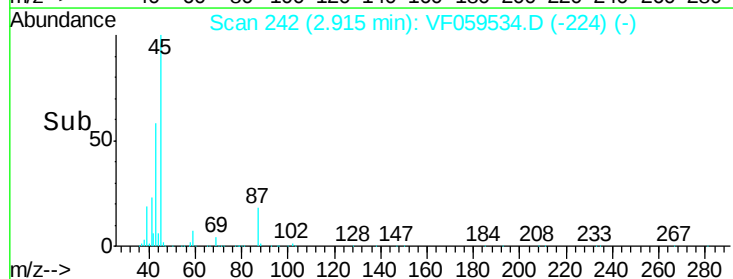
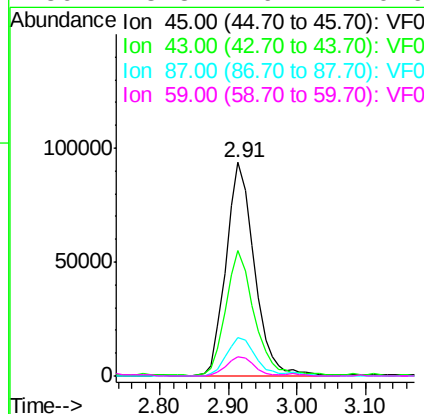
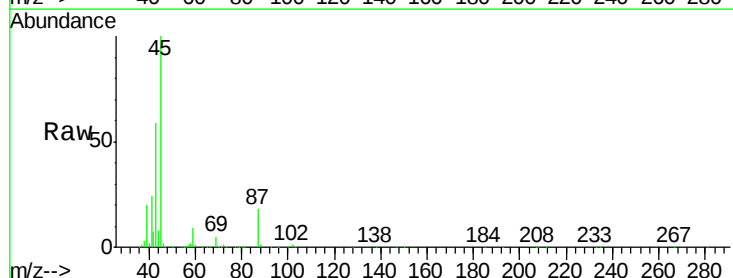
RT: 2.91 min Scan# 242

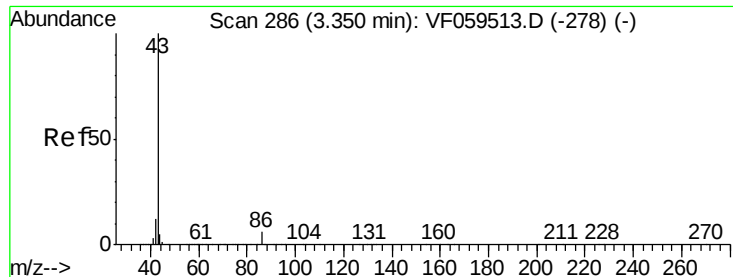
Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion:	45	Resp:	268154
Ion	Ratio	Lower	Upper
45	100		
43	59.0	43.6	65.4
87	18.0	15.6	23.4
59	8.8	6.4	9.6





#23

Vinyl Acetate

Concen: 103.19 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

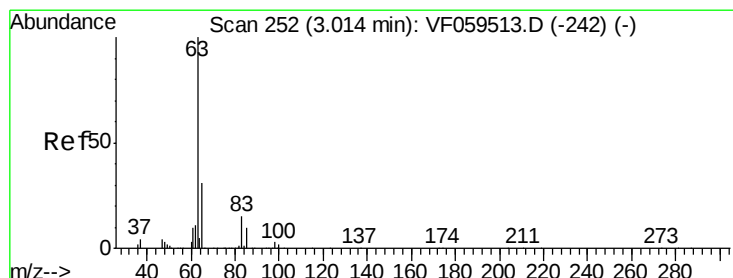
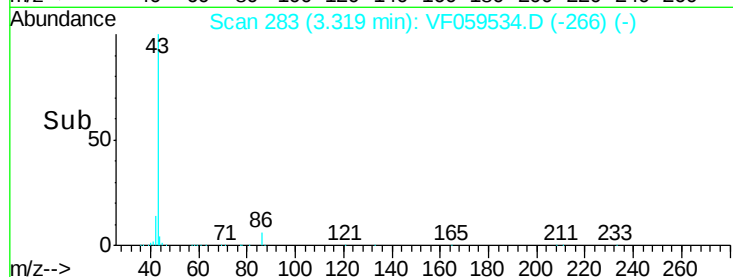
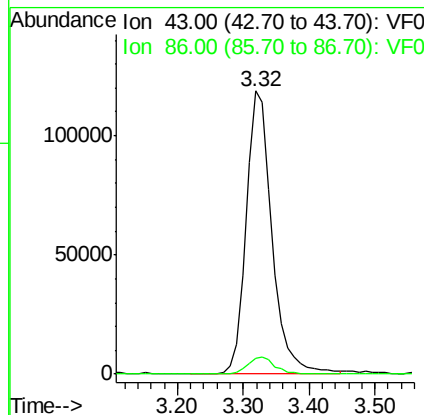
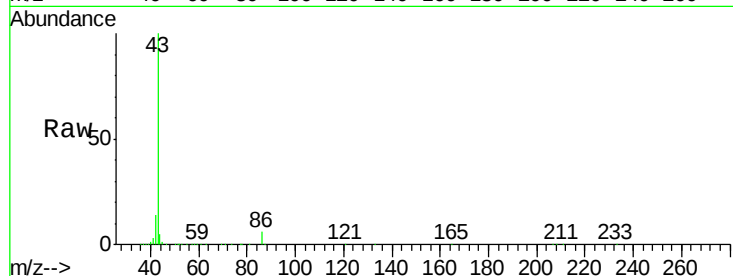
ClientSampleId :

CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
43	100		
86	5.6	4.4	6.6

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#24

1,1-Dichloroethane

Concen: 55.98 ug/l

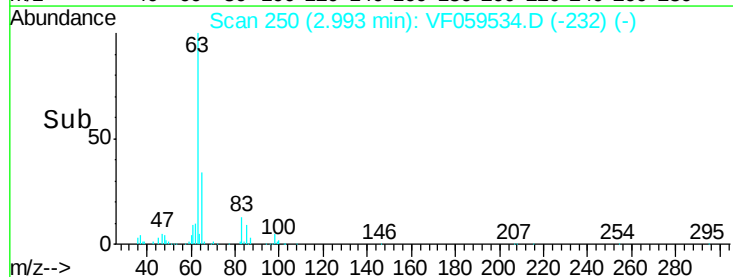
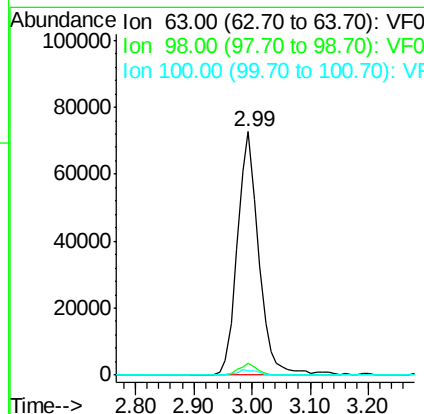
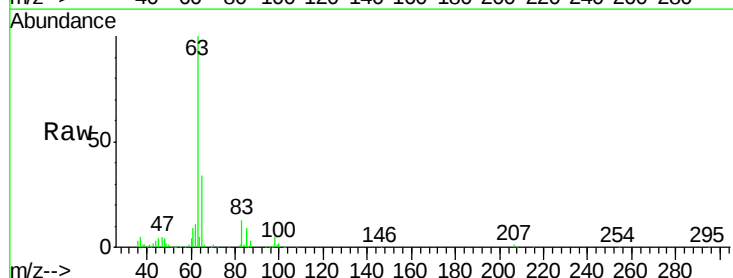
RT: 2.99 min Scan# 250

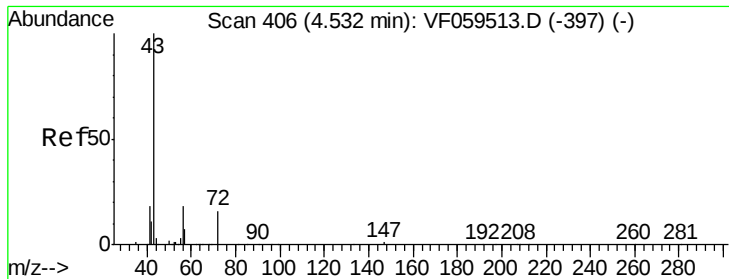
Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.7	1.8	5.4
100	1.9	1.3	3.8





#25

2-Butanone

Concen: 196.54 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.04 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion: 43 Resp: 145970

Ion Ratio Lower Upper

43 100

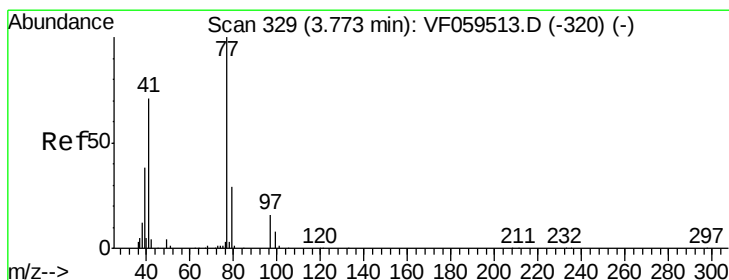
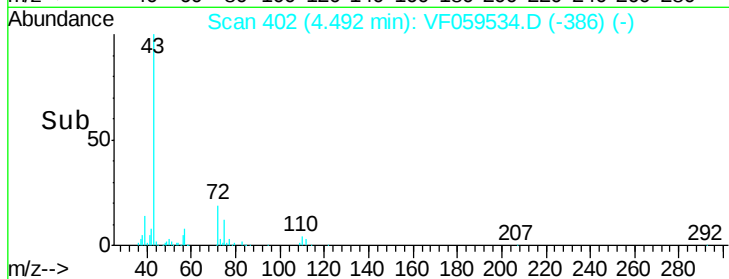
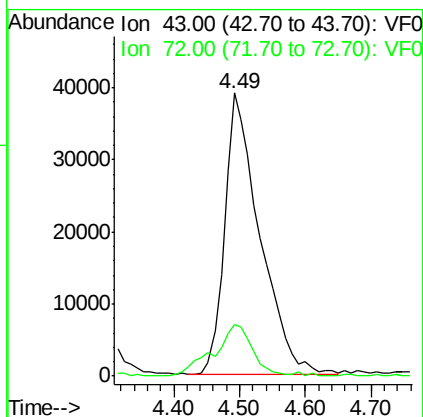
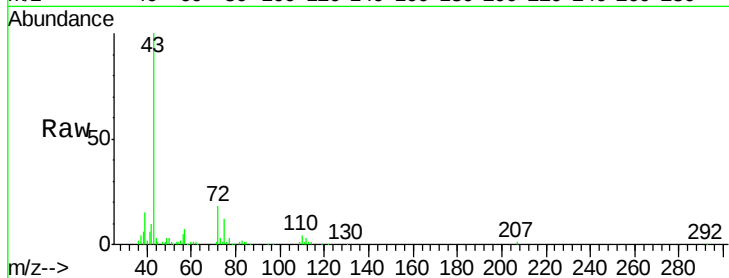
72 18.2 14.2 21.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.82 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.03 min

Lab File: VF059534.D

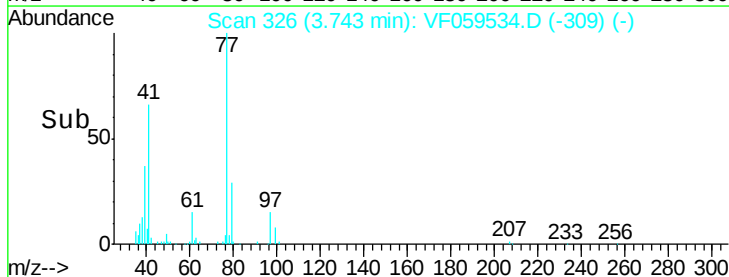
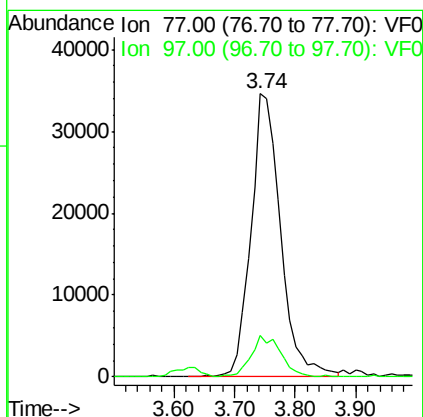
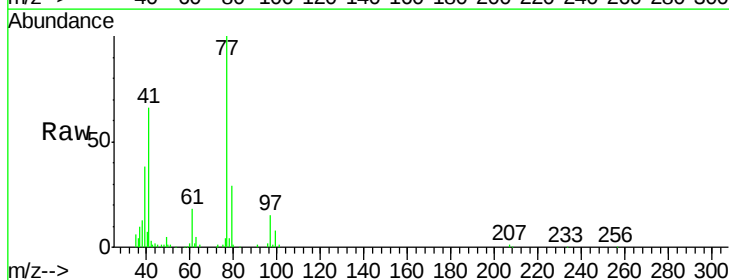
Acq: 19 Jul 2018 1:22

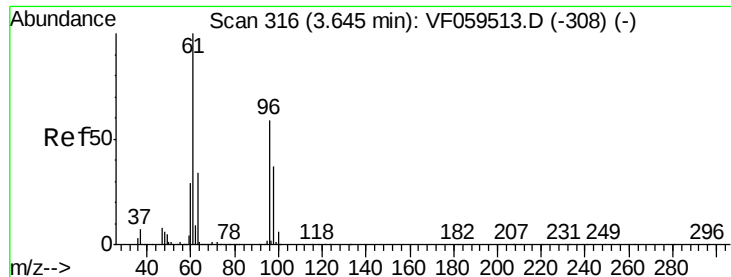
Tgt Ion: 77 Resp: 118607

Ion Ratio Lower Upper

77 100

97 14.6 8.1 24.3





#27

cis-1,2-Dichloroethene

Concen: 57.26 ug/l

RT: 3.62 min Scan# 314

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

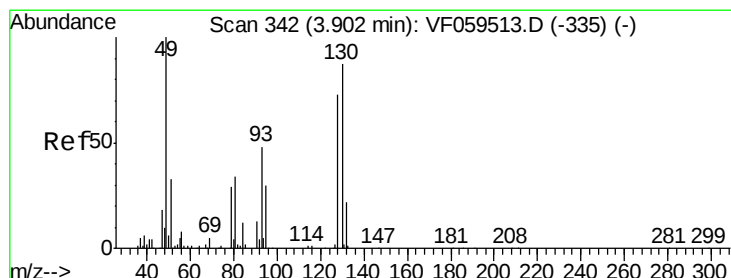
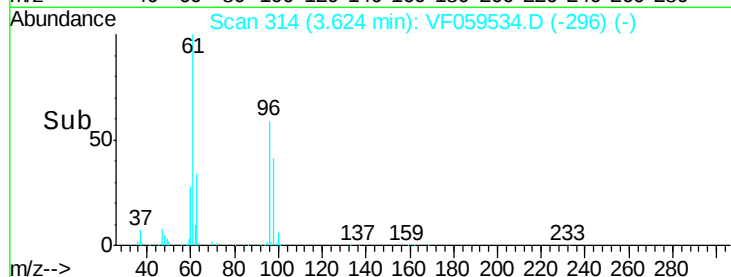
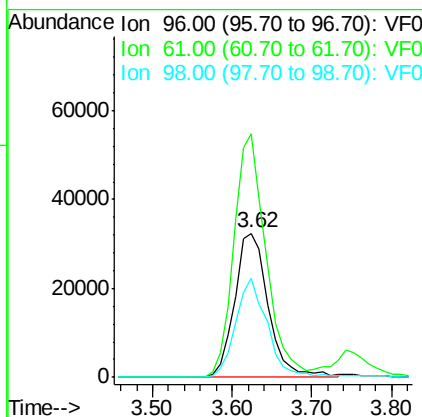
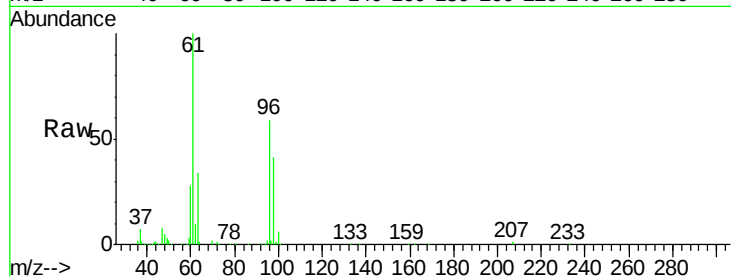
ClientSampleId :

CON-SB-05-0-2MS

Tot Ion:	96	Resp:	94755
Ion Ratio	Lower	Upper	
96	100		
61	168.7	0.0	339.0
98	68.5	0.0	125.4

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#28

Bromochloromethane

Concen: 48.88 ug/l

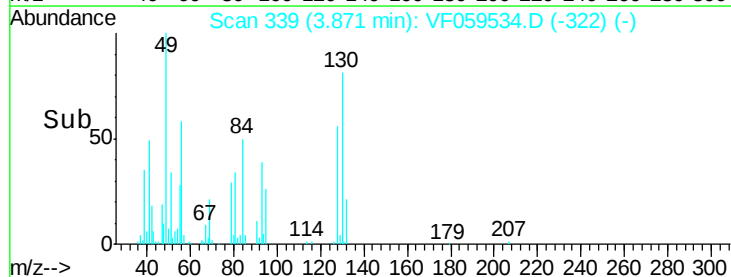
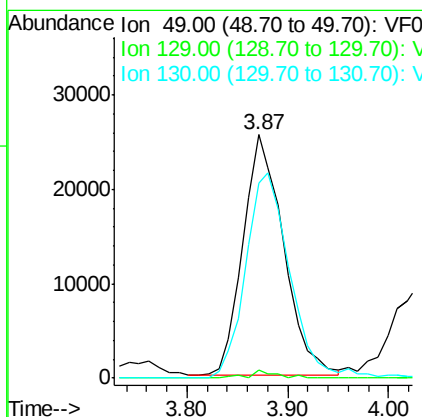
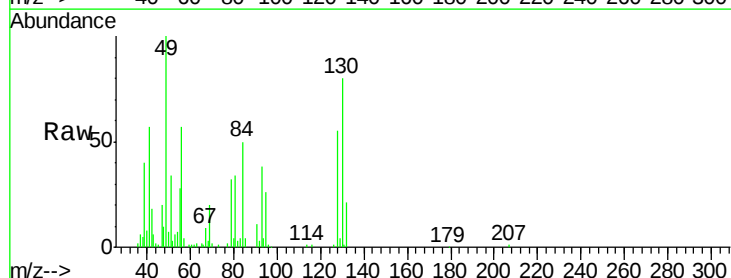
RT: 3.87 min Scan# 339

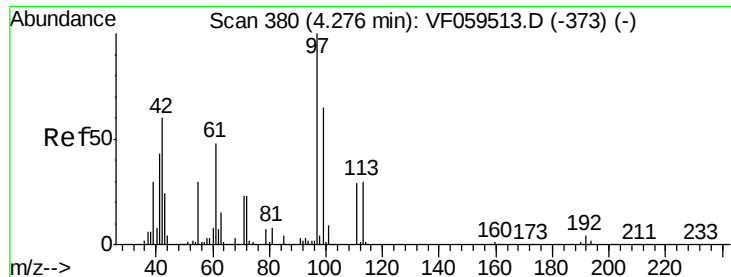
Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion:	49	Resp:	71670
Ion Ratio	Lower	Upper	
49	100		
129	3.5	0.0	0.0#
130	80.3	69.8	104.6





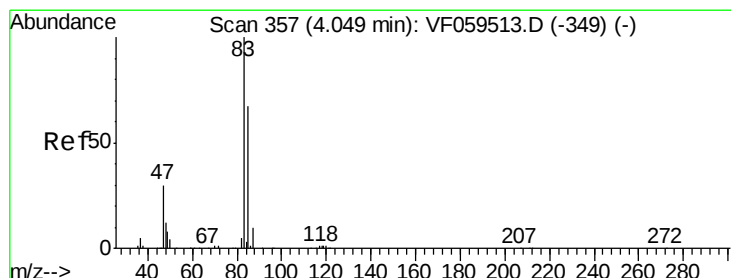
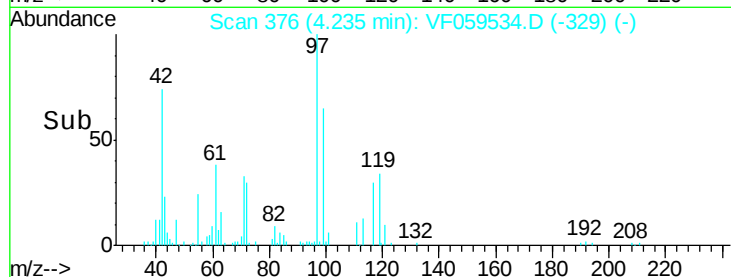
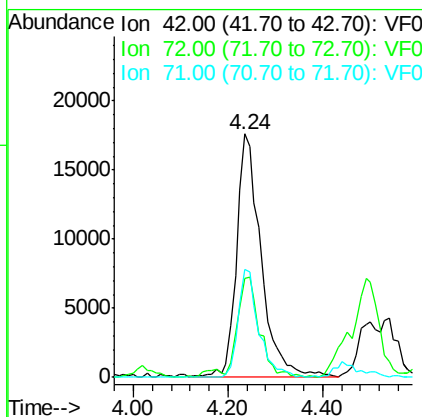
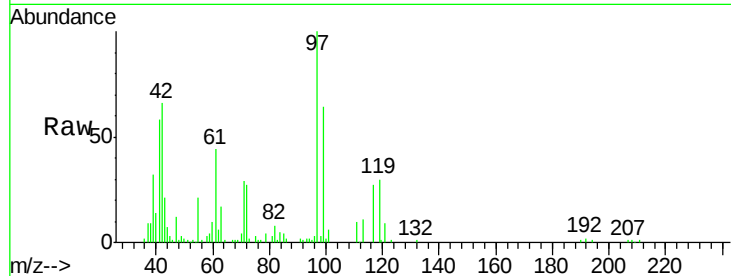
#29
Tetrahydrofuran
Concen: 204.71 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.04 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	28.7	43.1
71	37.2	30.8	46.2

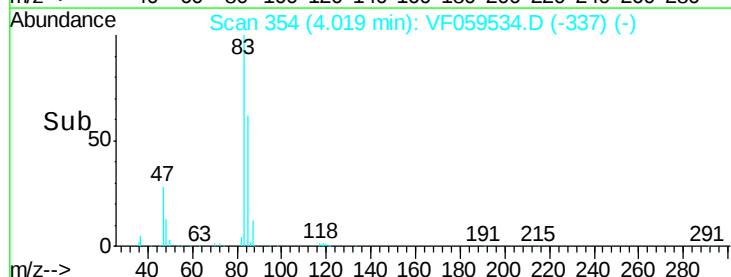
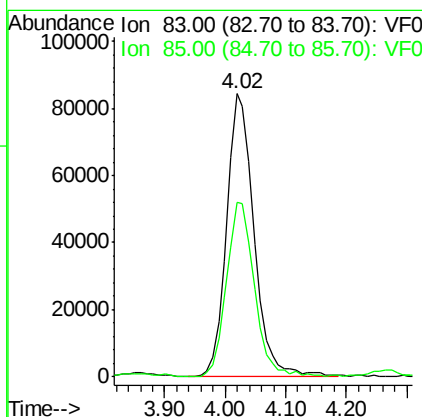
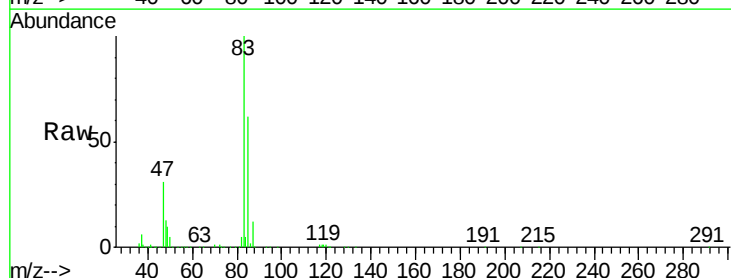
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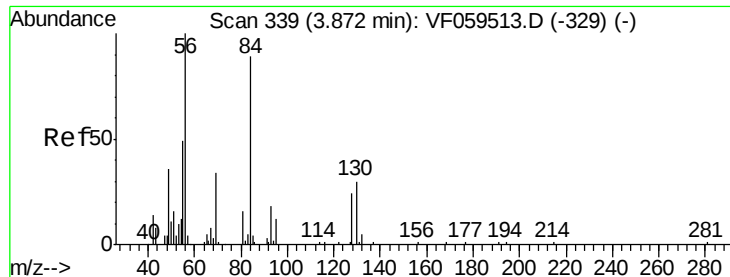
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#30
Chloroform
Concen: 55.31 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	53.2	79.8





#31

Cyclohexane

Concen: 49.25 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

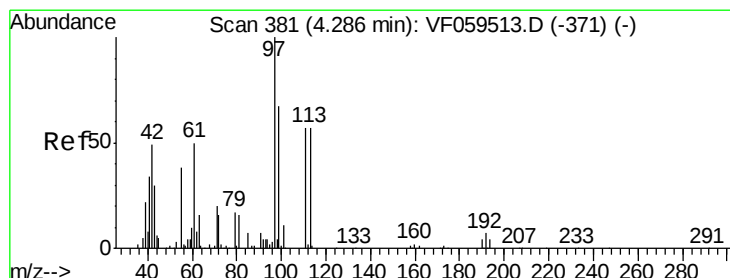
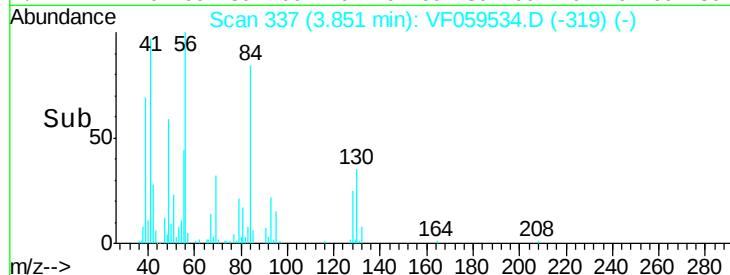
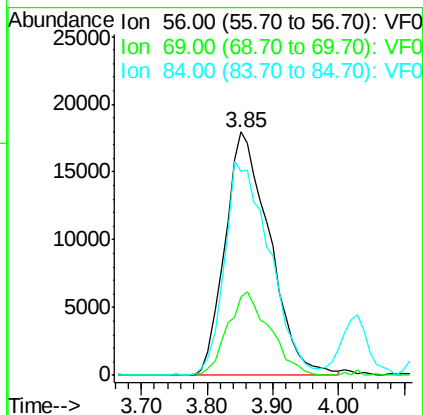
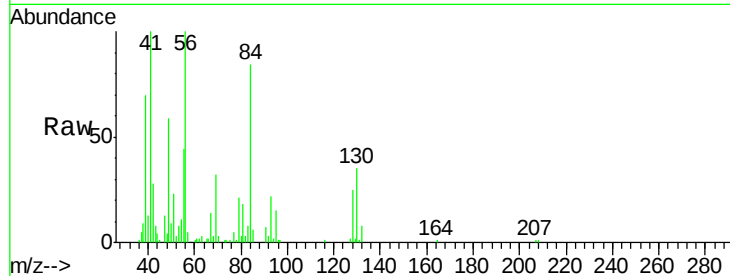
ClientSampleId :

CON-SB-05-0-2MS

Tot Ion:	56	Resp:	84968
Ion	Ratio	Lower	Upper
56	100		
69	32.0	27.6	41.4
84	83.8	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 64.52 ug/l

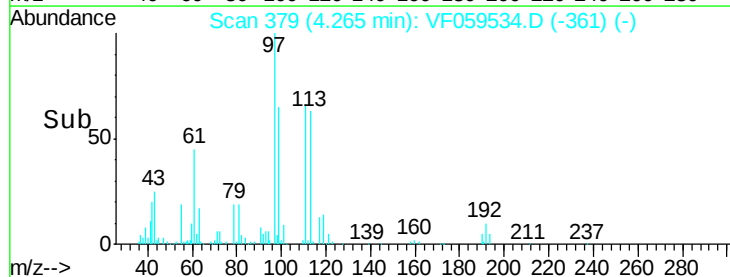
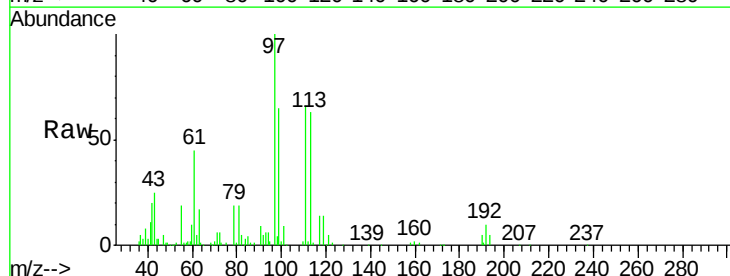
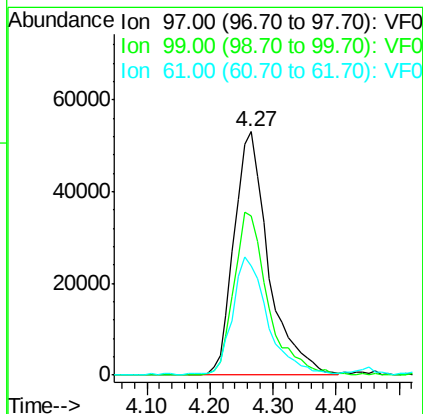
RT: 4.27 min Scan# 379

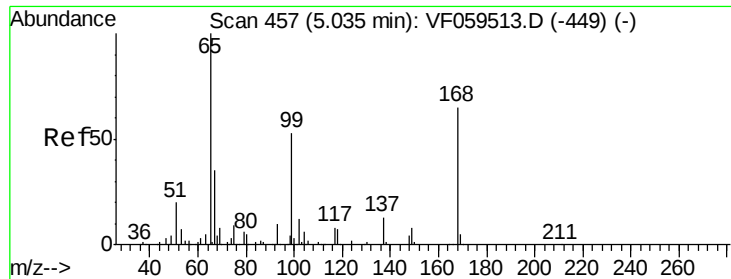
Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion:	97	Resp:	201748
Ion	Ratio	Lower	Upper
97	100		
99	65.3	53.5	80.3
61	45.0	39.7	59.5





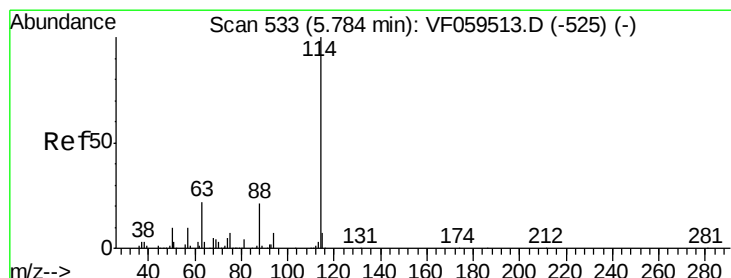
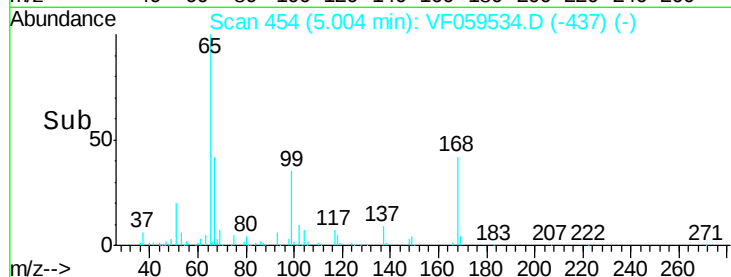
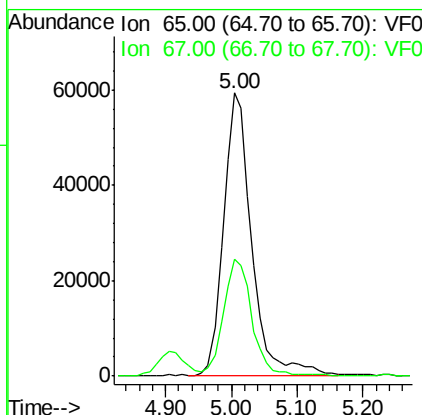
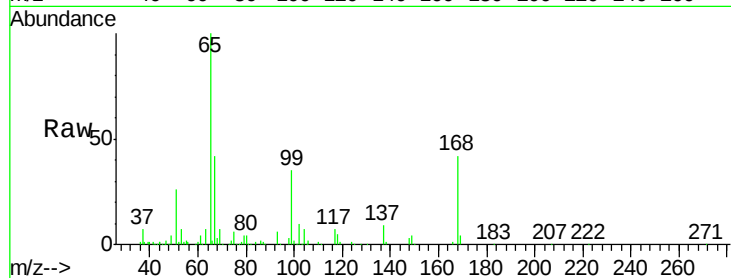
#33
 1,2-Dichloroethane-d4
 Concen: 55.62 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: VF059534.D
 Acq: 19 Jul 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	41.5	0.0	91.2

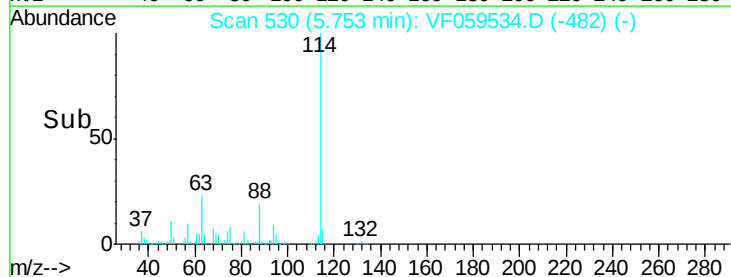
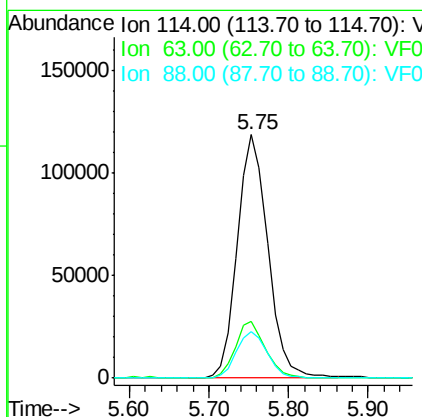
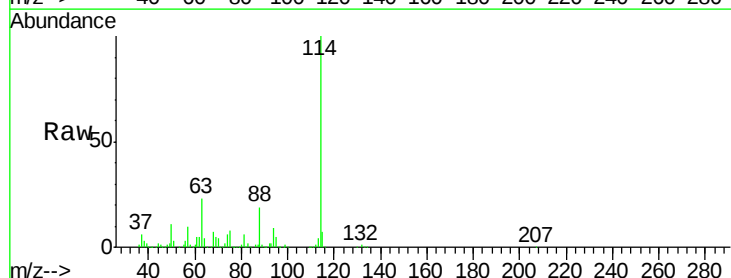
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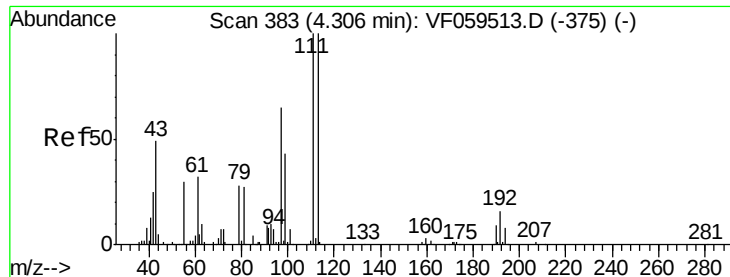
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF059534.D
 Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	44.8
88	18.9	0.0	42.6





#35

Dibromofluoromethane

Concen: 52.05 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

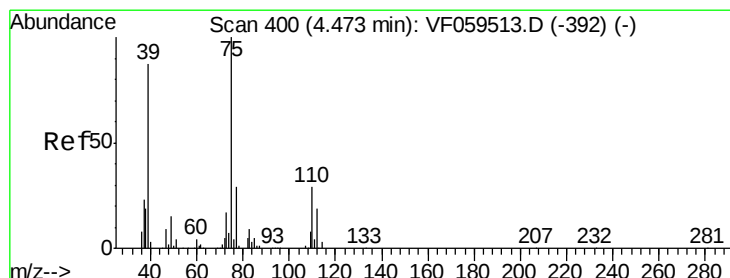
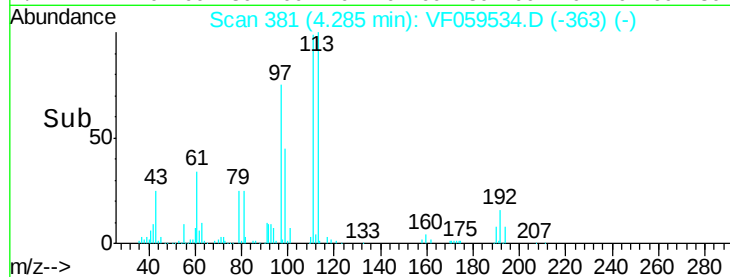
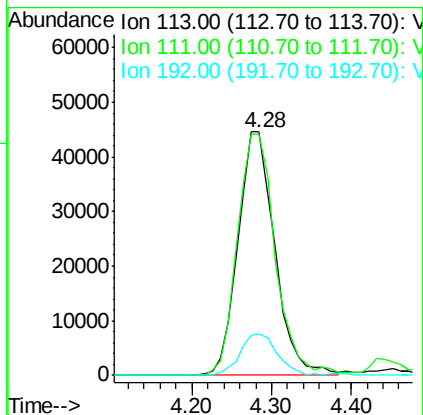
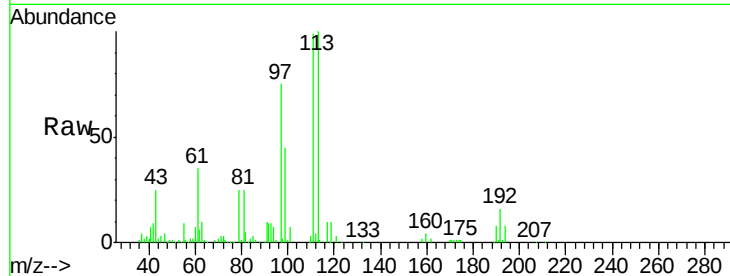
ClientSampleId :

CON-SB-05-0-2MS

Tot Ion:	113	Resp:	142571
Ion Ratio	Lower	Upper	
113	100		
111	99.0	80.3	120.5
192	16.9	13.1	19.7

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#36

1,1-Dichloropropene

Concen: 46.30 ug/l

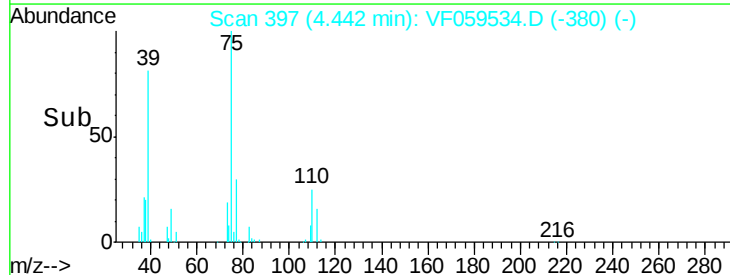
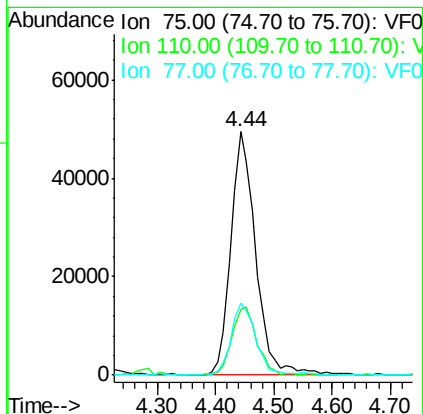
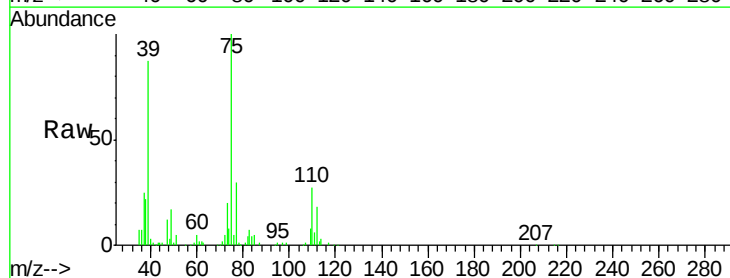
RT: 4.44 min Scan# 397

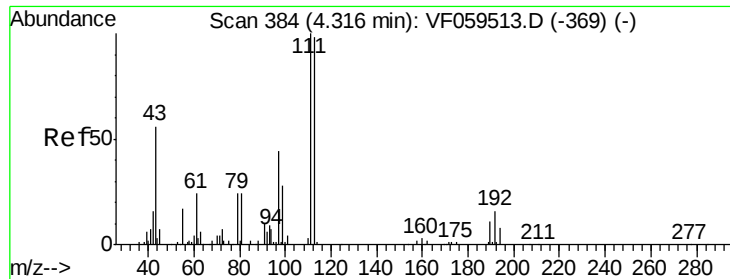
Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion:	75	Resp:	146578
Ion Ratio	Lower	Upper	
75	100		
110	26.8	14.6	43.8
77	29.6	23.7	35.5





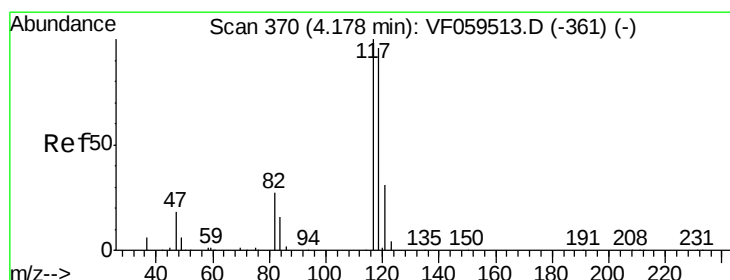
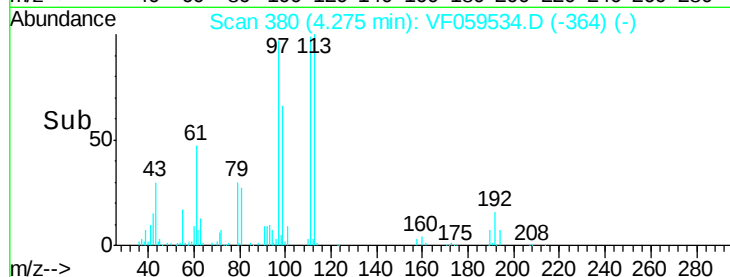
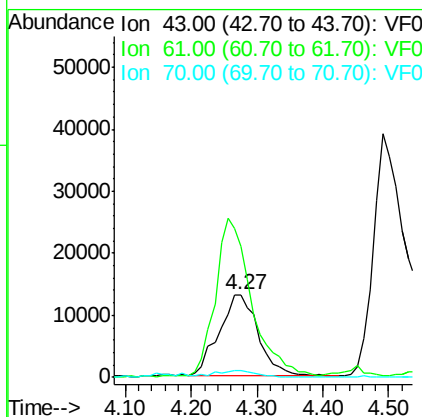
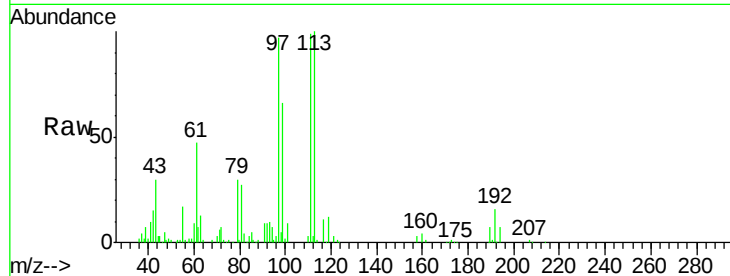
#37
Ethyl Acetate
Concen: 29.93 ug/l
RT: 4.27 min Scan# 380
Delta R.T. -0.04 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion	43	Resp	54958
Ion Ratio	Lower	Upper	
43	100		
61	157.3	33.7	50.5#
70	8.6	7.4	11.0

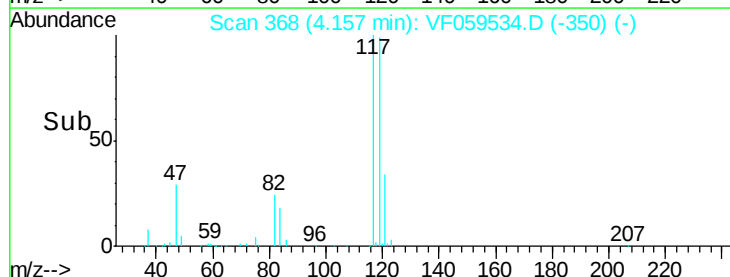
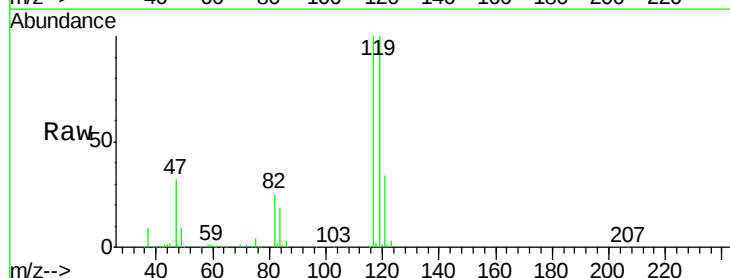
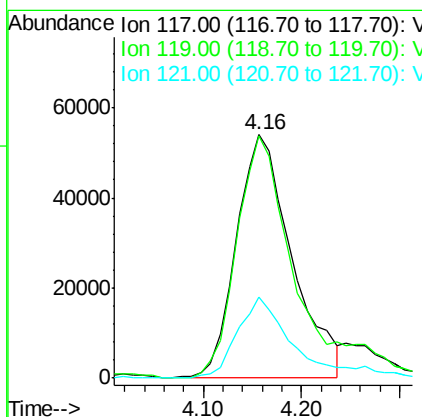
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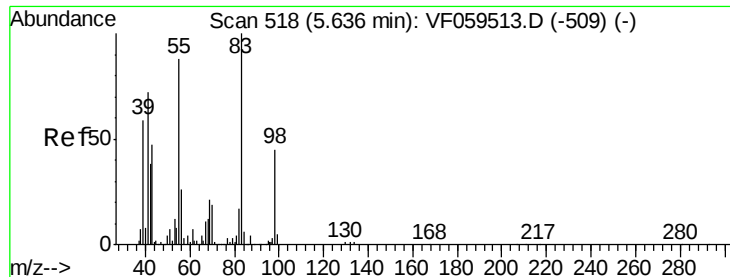
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#38
Carbon Tetrachloride
Concen: 58.15 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.02 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	117	Resp	210960
Ion Ratio	Lower	Upper	
117	100		
119	99.6	77.6	116.4
121	33.5	24.9	37.3





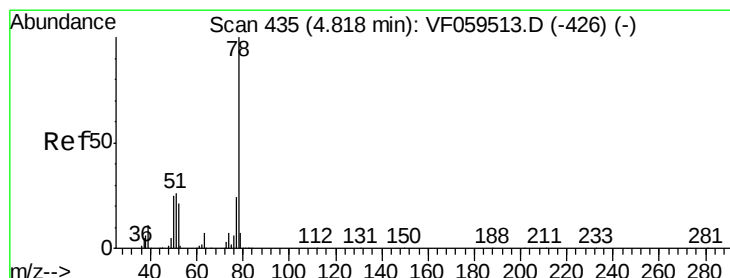
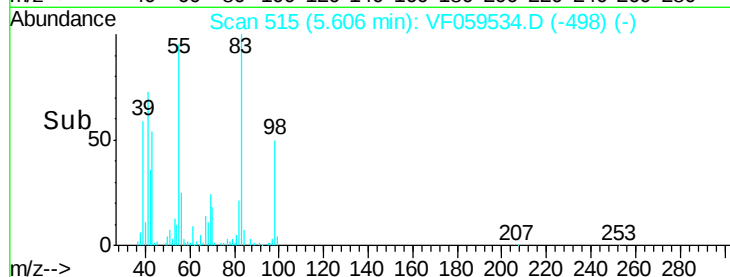
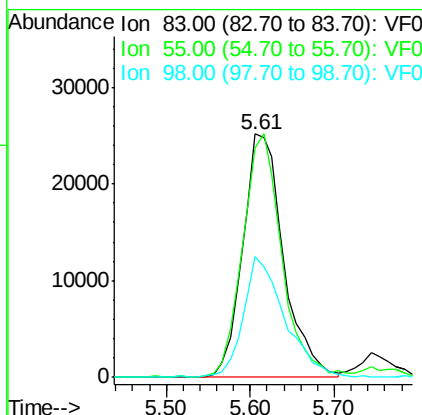
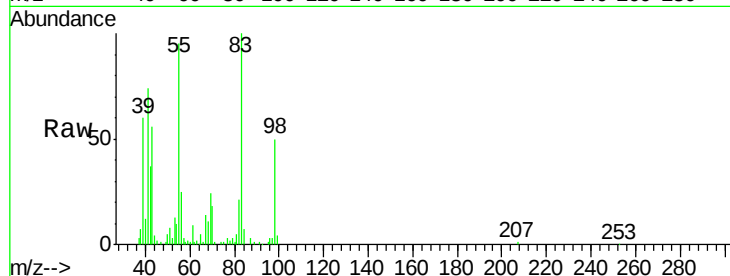
#39
Methvlcvclohexane
Concen: 35.56 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.03 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.5	70.2	105.4
98	49.7	36.2	54.2

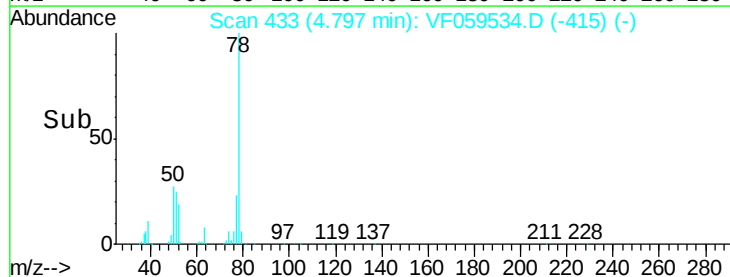
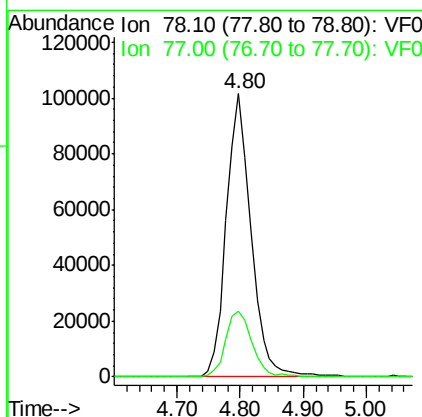
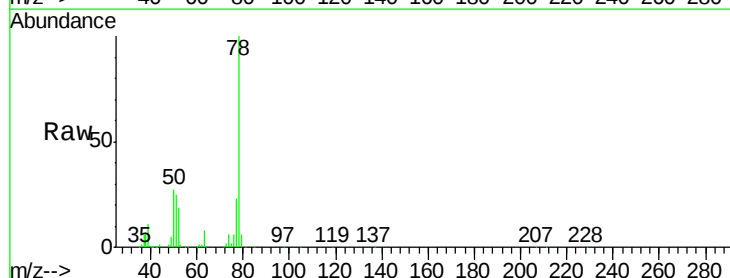
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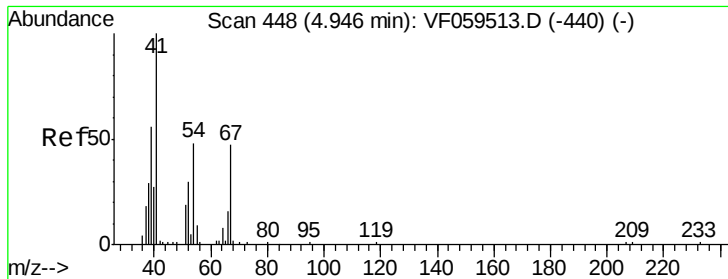
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#40
Benzene
Concen: 45.16 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.0





#41

Methacrylonitrile

Concen: 35.26 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.04 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

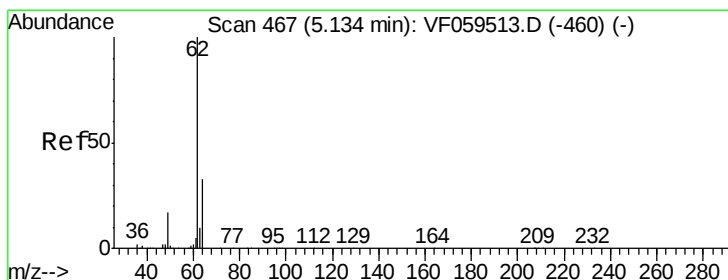
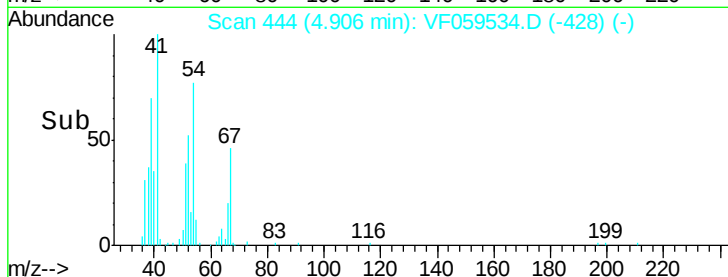
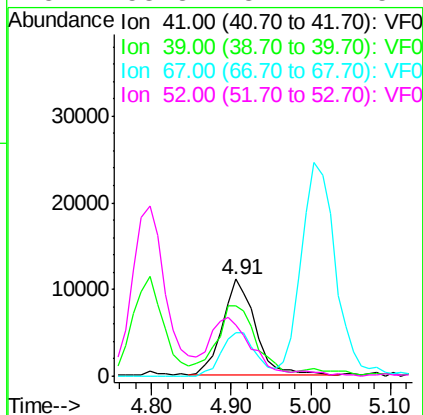
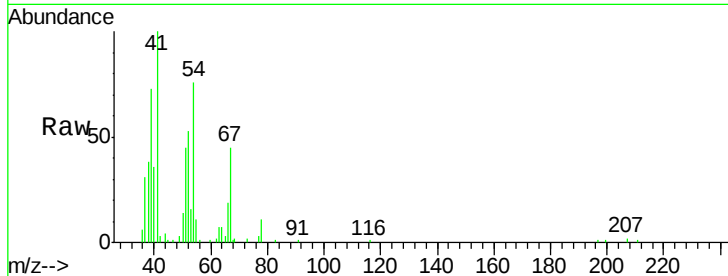
ClientSampleId :

CON-SB-05-0-2MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	73.1	49.4	74.0	
67	45.5	37.4	56.2	
52	53.3	32.1	48.1	

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#42

1,2-Dichloroethane

Concen: 51.06 ug/l

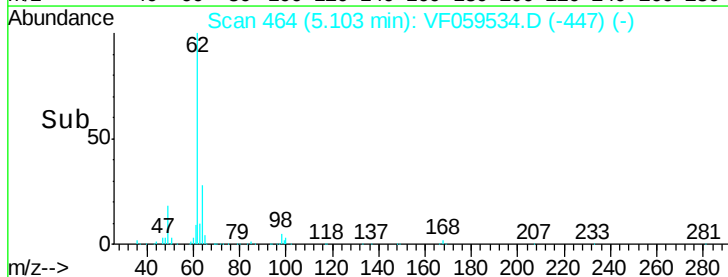
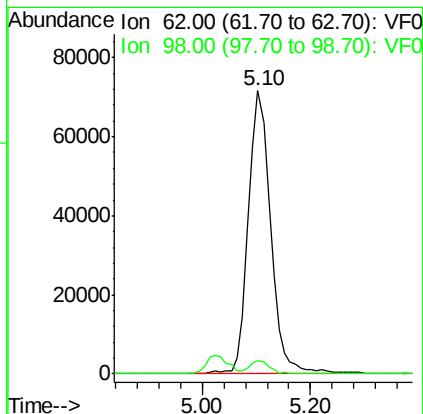
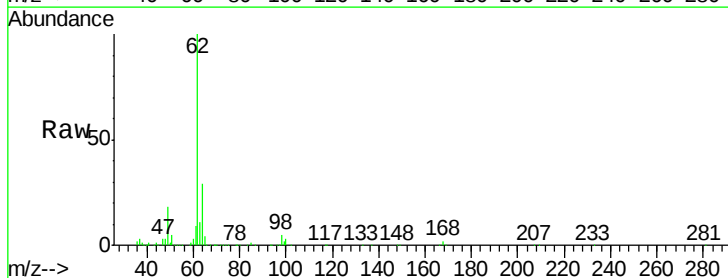
RT: 5.10 min Scan# 464

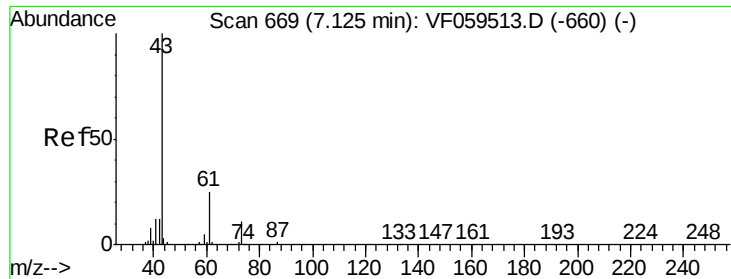
Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.8	0.0	9.6	





#43

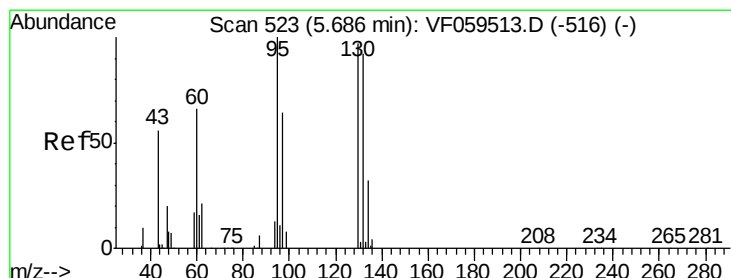
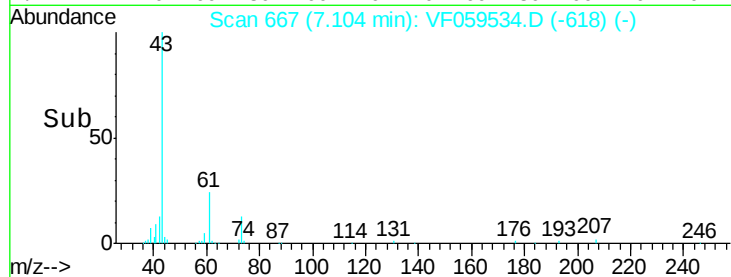
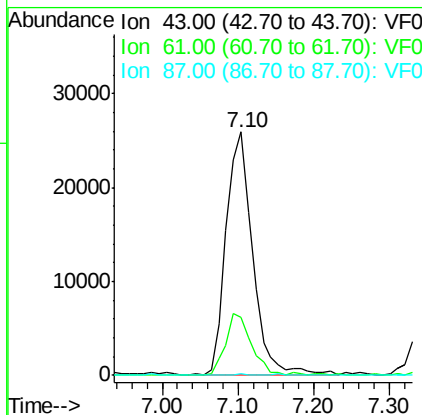
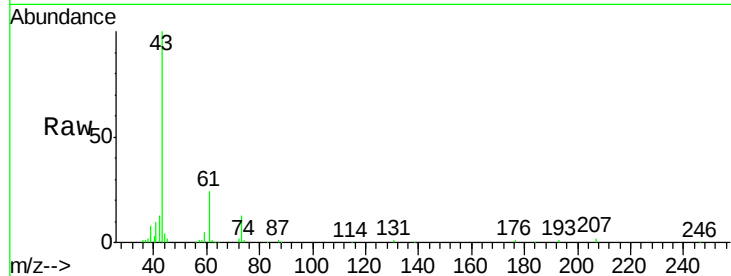
Isopropyl Acetate
 Concen: 27.86 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: VF059534.D
 Acq: 19 Jul 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.1	20.3	30.5
87	0.8	0.4	0.6

Manual Integrations
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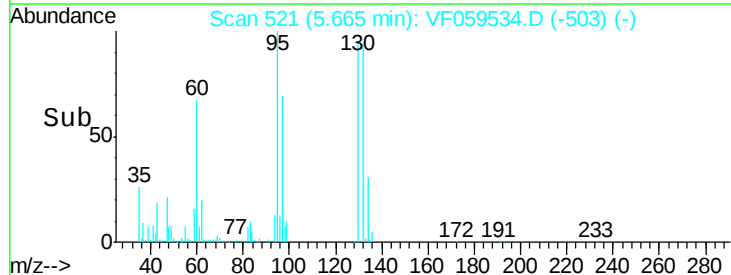
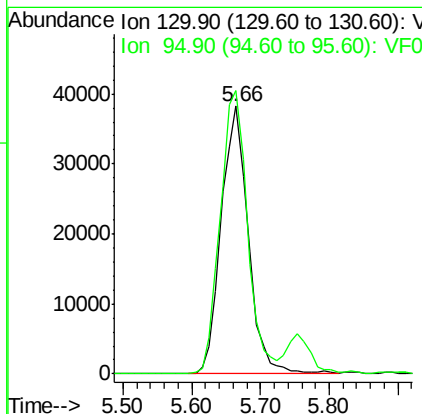
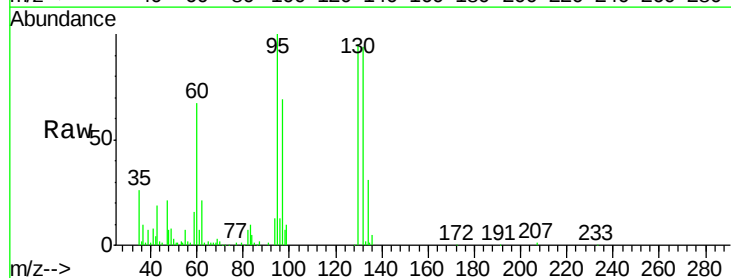
apatel
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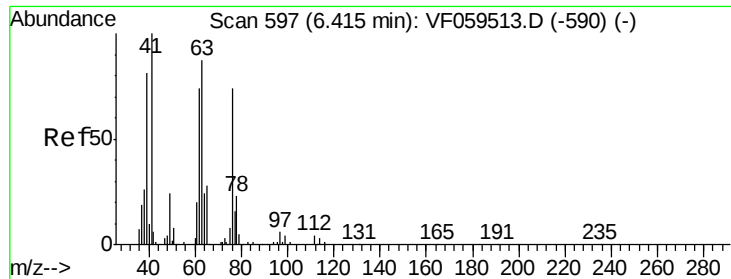


#44

Trichloroethene
 Concen: 45.78 ug/l
 RT: 5.66 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VF059534.D
 Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	206.6





#45

1,2-Dichloropropane

Concen: 49.90 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion: 63 Resp: 85071

Ion Ratio Lower Upper

63 100

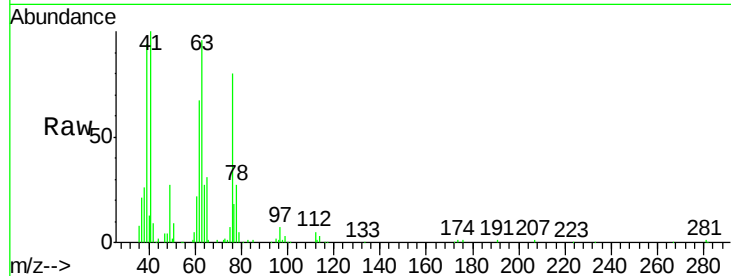
65 32.7 26.1 39.1

Manual Integrations

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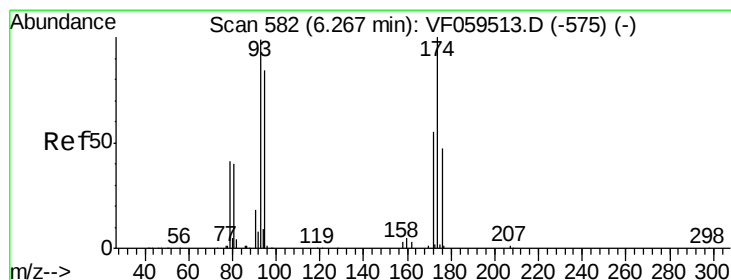
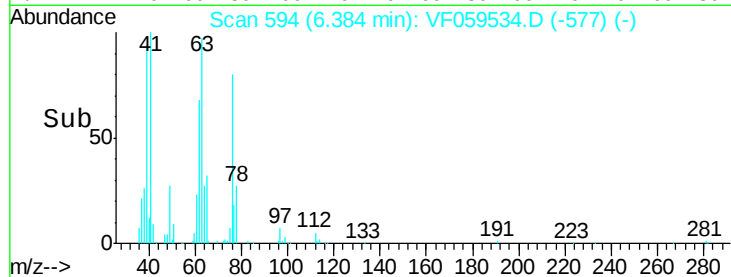
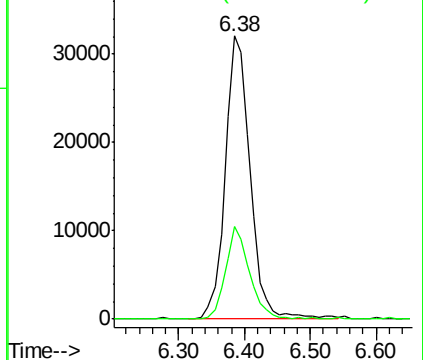
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 45.09 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

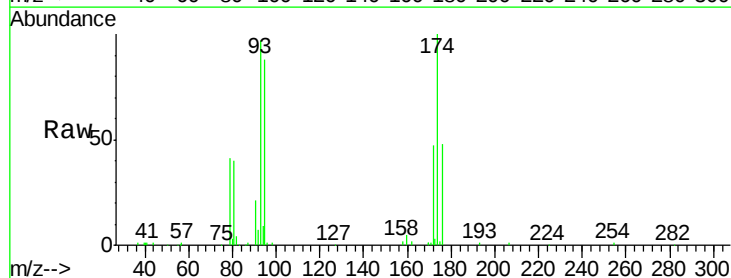
Tgt Ion: 93 Resp: 70002

Ion Ratio Lower Upper

93 100

95 92.0 68.3 102.5

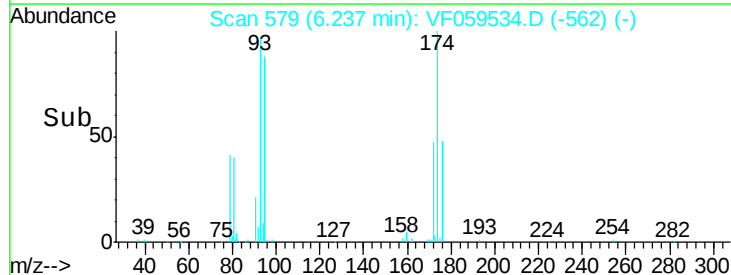
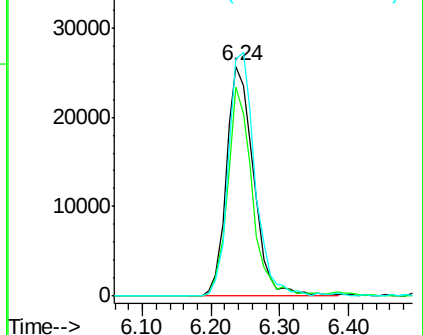
174 103.2 81.2 121.8

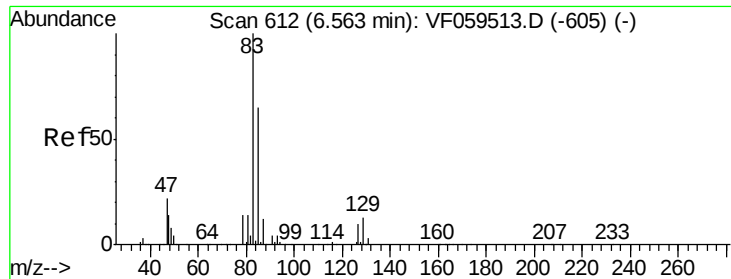


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 50.07 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

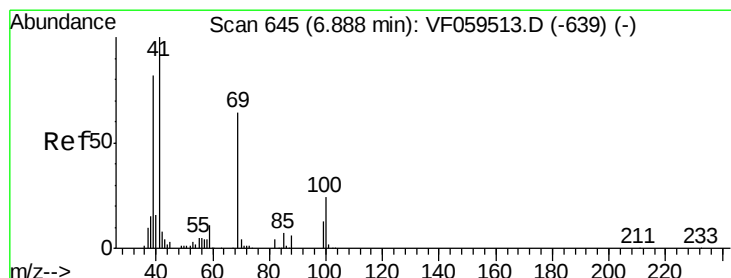
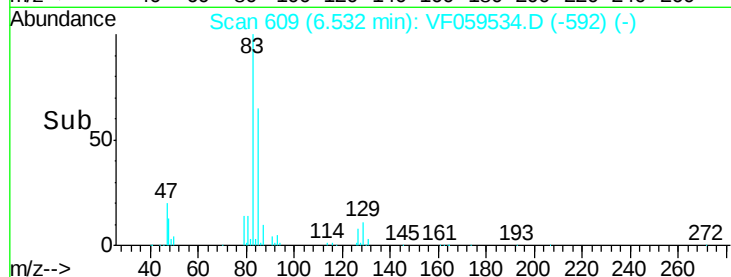
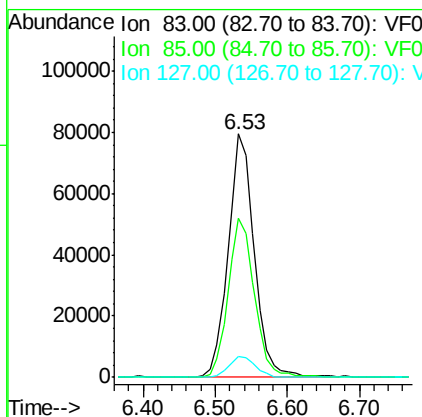
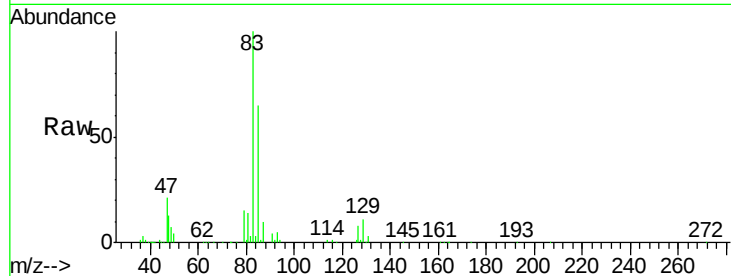
ClientSampleId :

CON-SB-05-0-2MS

Tot Ion:	83	Resp:	200106
Ion Ratio	Lower	Upper	
83	100		
85	65.4	52.4	78.6
127	8.4	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 38.47 ug/l

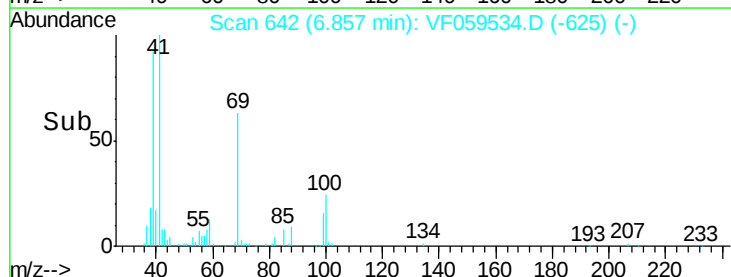
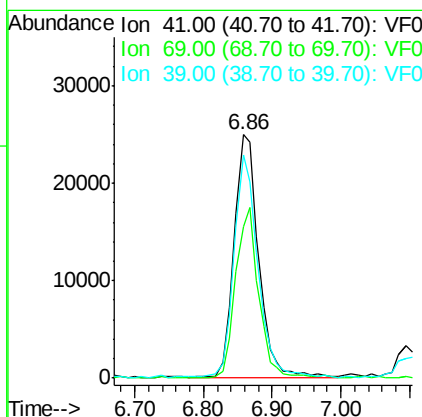
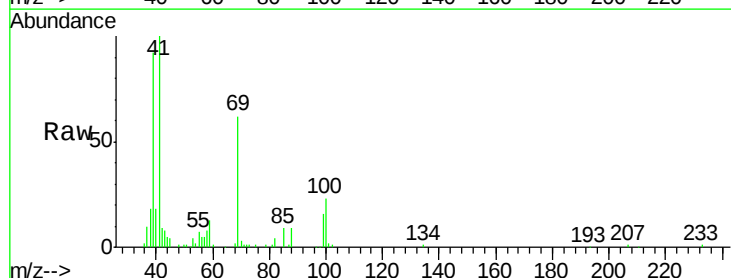
RT: 6.86 min Scan# 642

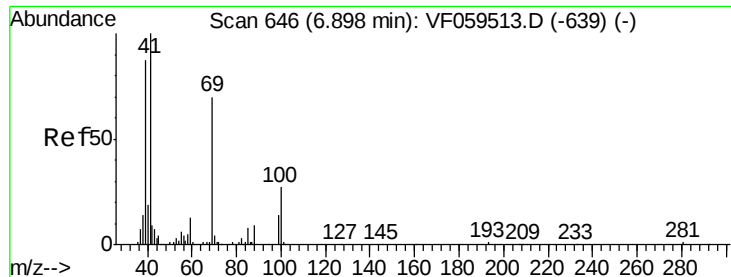
Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion:	41	Resp:	62500
Ion Ratio	Lower	Upper	
41	100		
69	62.3	51.3	76.9
39	91.5	65.3	97.9





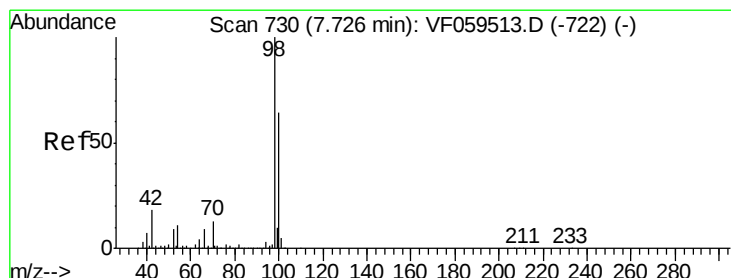
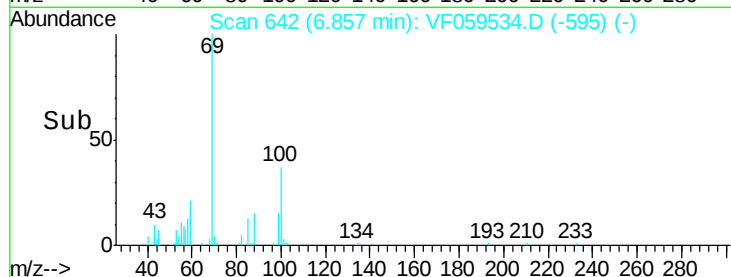
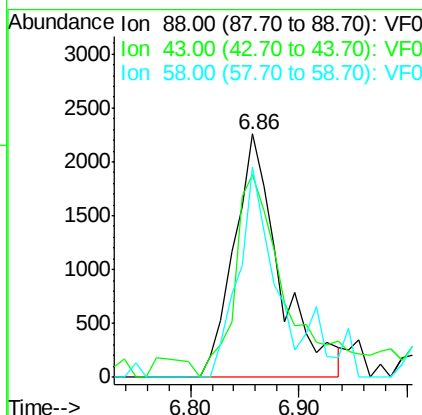
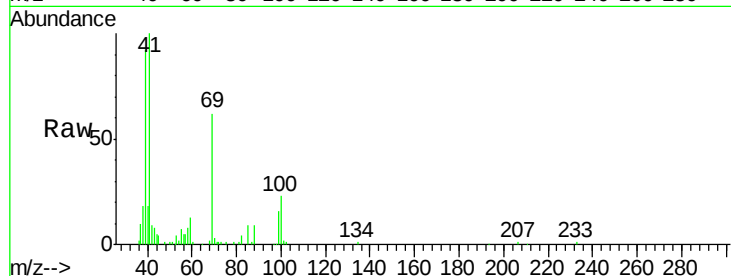
#49
1,4-Dioxane
Concen: 885.92 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.04 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	83.4	64.8	97.2
58	86.6	44.1	66.1#

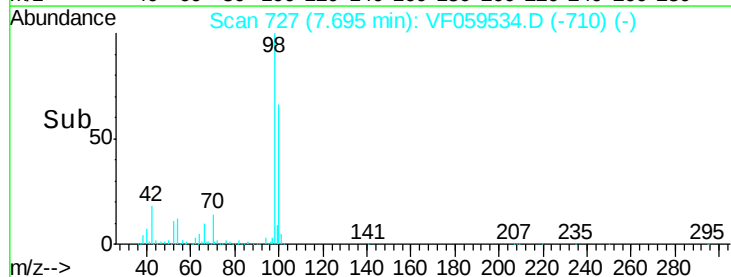
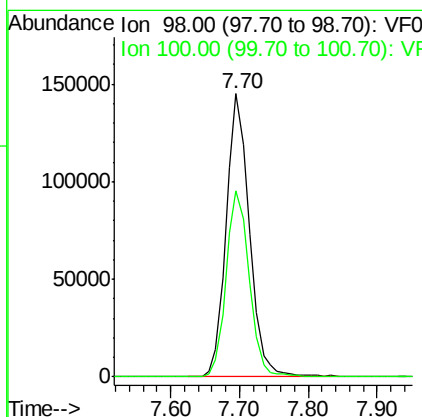
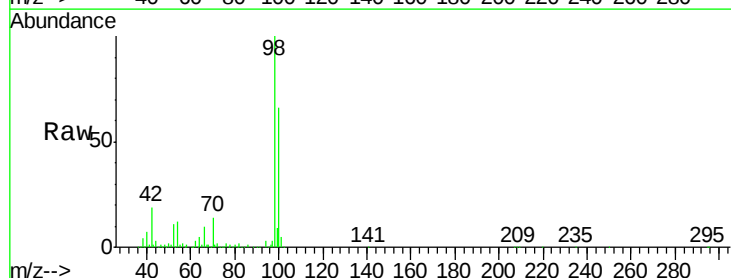
Manual Integrations
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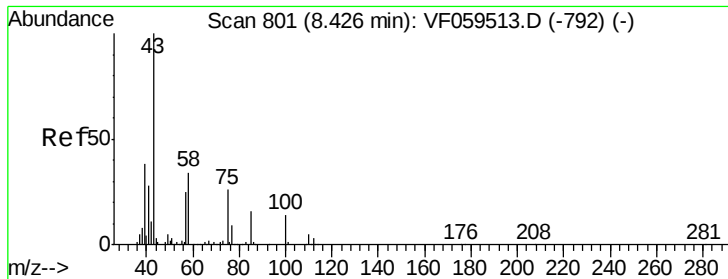
apatel
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#50
Toluene-d8
Concen: 49.13 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 187.21 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion: 43 Resp: 301887

Ion Ratio Lower Upper

43 100

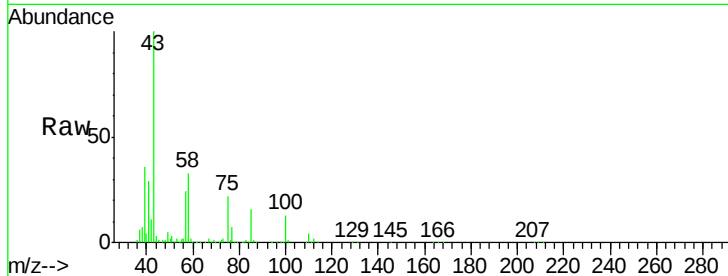
58 32.9 27.4 41.2

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

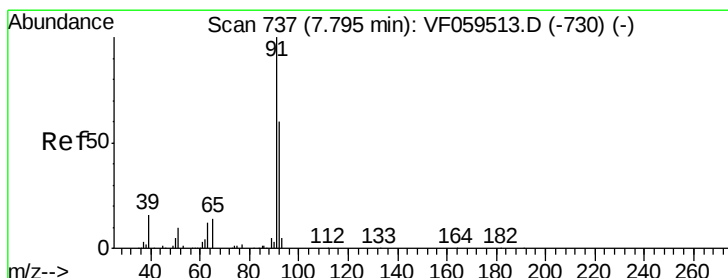
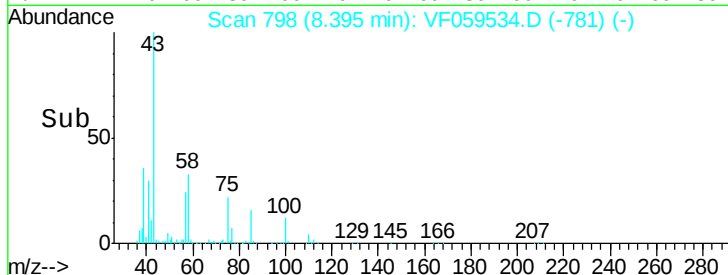
8.40

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 48.01 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059534.D

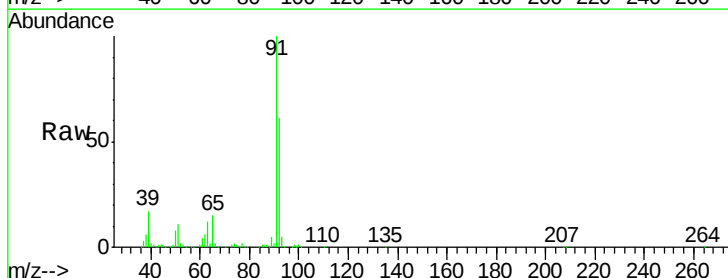
Acq: 19 Jul 2018 1:22

Tgt Ion: 92 Resp: 213861

Ion Ratio Lower Upper

92 100

91 163.8 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

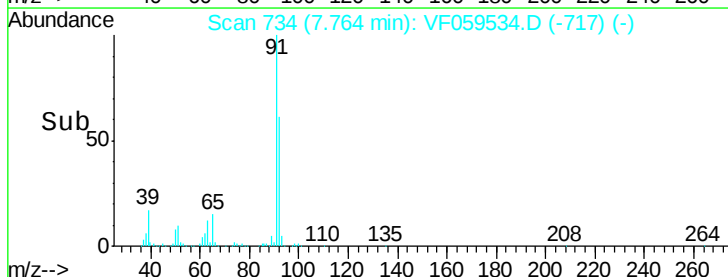
150000

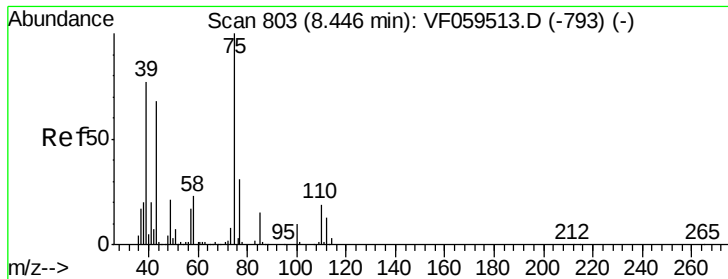
100000

50000

0

Time--> 7.70 7.80 7.90





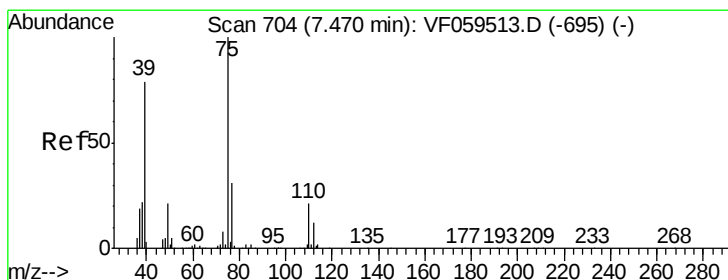
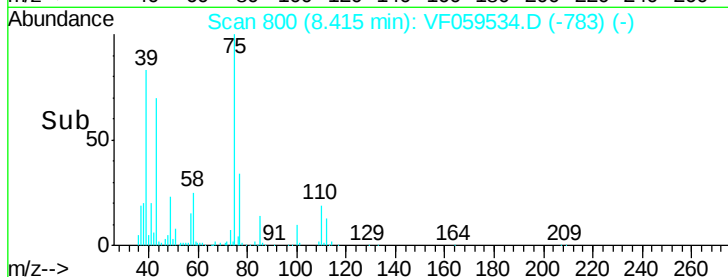
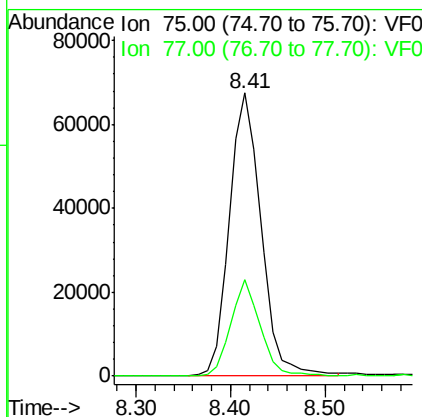
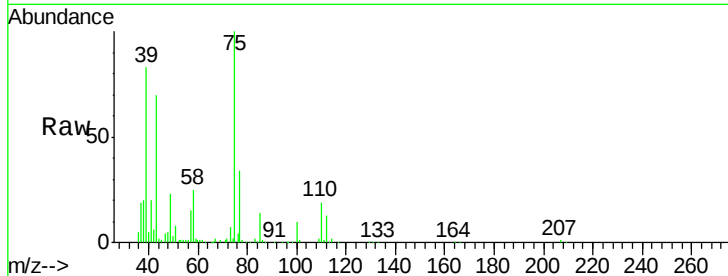
#53
t-1,3-Dichloropropene
Concen: 42.73 ug/l
RT: 8.41 min Scan# 800
Delta R.T. -0.03 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion: 75 Resp: 157066
Ion Ratio Lower Upper
75 100
77 34.1 25.3 37.9

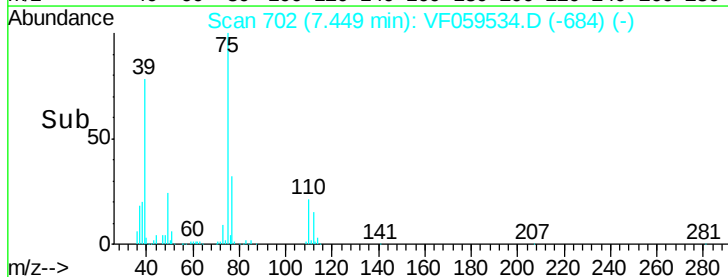
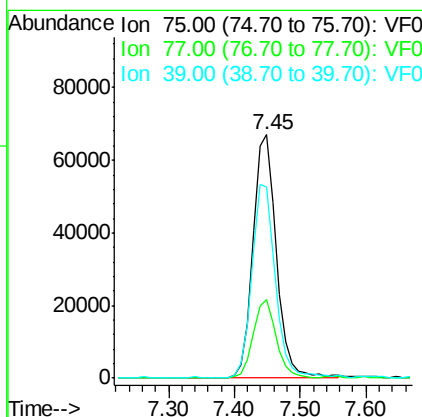
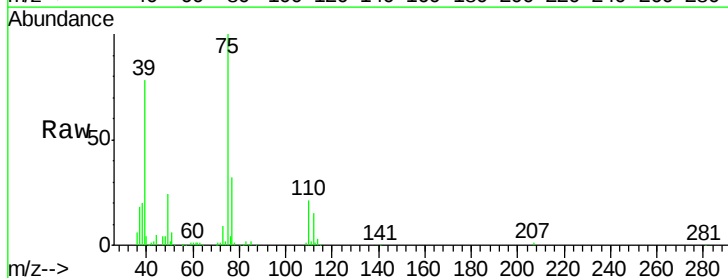
Manual Integrations
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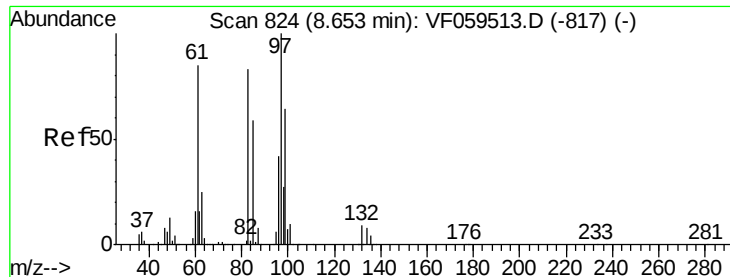
apatel
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#54
cis-1,3-Dichloropropene
Concen: 45.98 ug/l
RT: 7.45 min Scan# 702
Delta R.T. -0.02 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion: 75 Resp: 168279
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.6
39 78.3 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 46.49 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

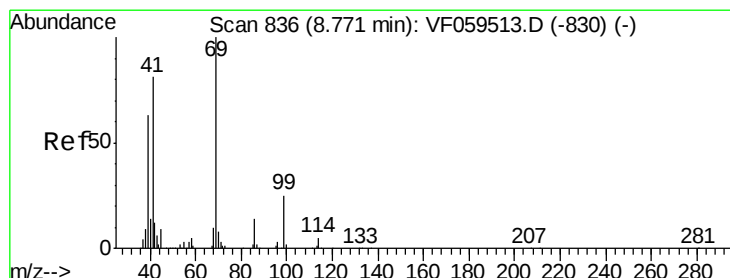
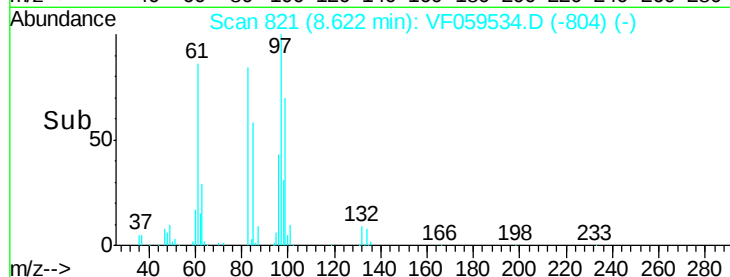
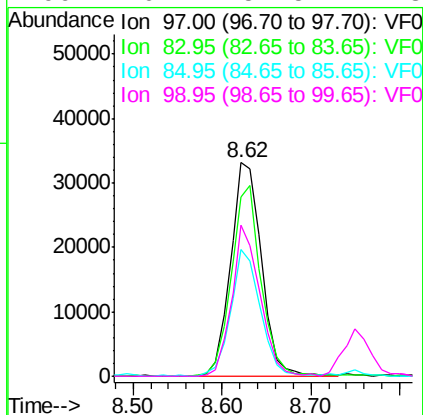
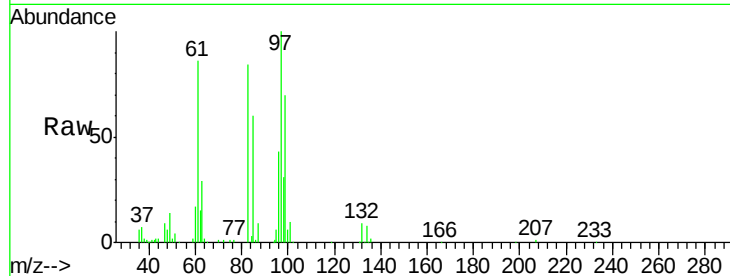
ClientSampleId :

CON-SB-05-0-2MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		80231		
83	84.0	66.9	100.3		
85	59.5	46.9	70.3		
99	70.4	51.5	77.3		

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#56

Ethyl methacrylate

Concen: 32.85 ug/l

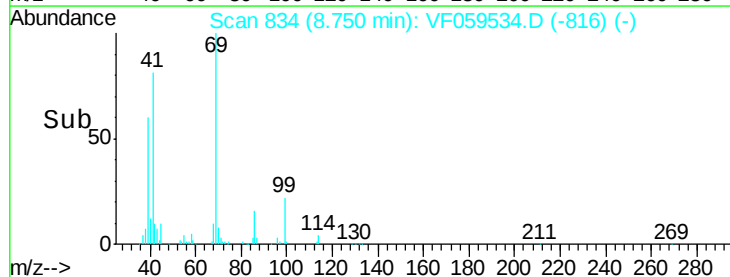
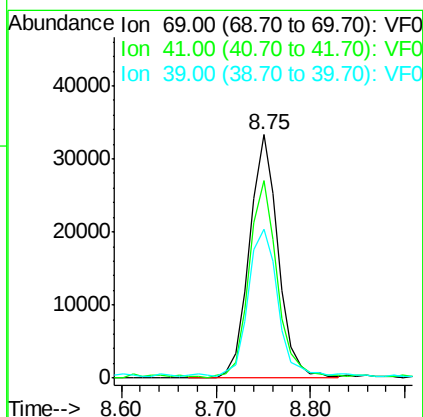
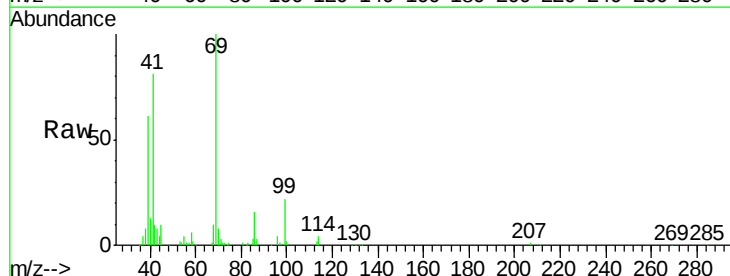
RT: 8.75 min Scan# 834

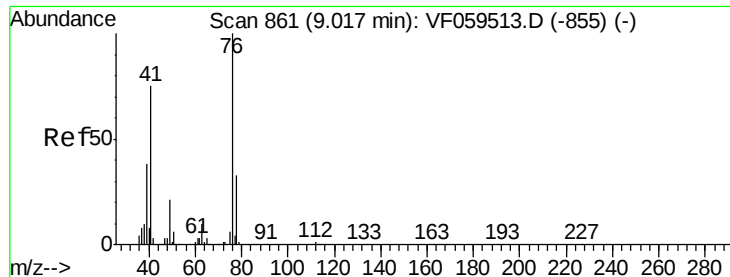
Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		70305		
41	81.3	65.4	98.2		
39	61.1	51.0	76.4		





#57

1,3-Dichloropropane

Concen: 47.04 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion: 76 Resp: 143554

Ion Ratio Lower Upper

76 100

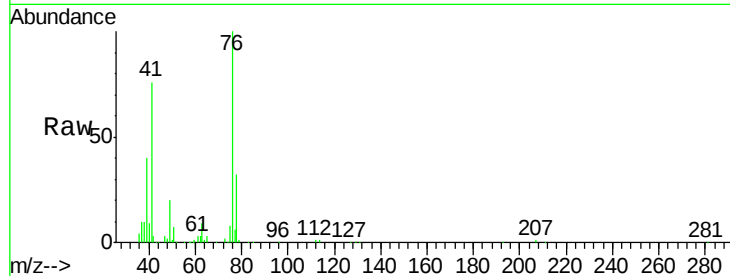
78 31.8 26.4 39.6

Manual Integrations

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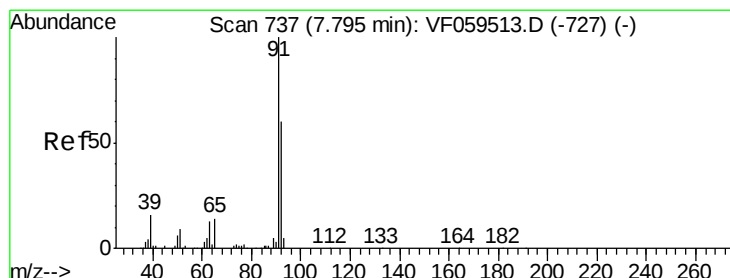
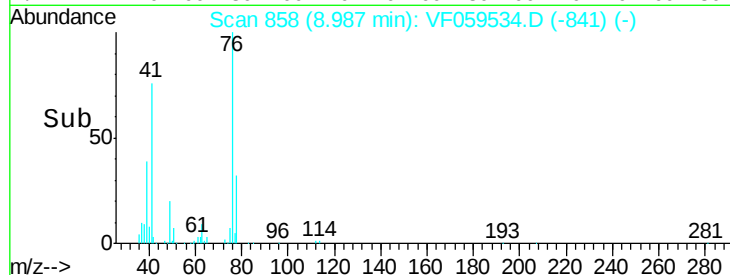
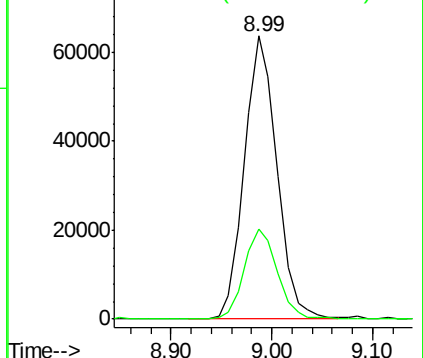
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 229.47 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059534.D

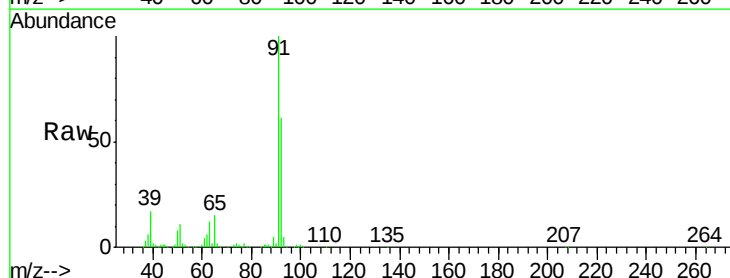
Acq: 19 Jul 2018 1:22

Tgt Ion: 63 Resp: 43360

Ion Ratio Lower Upper

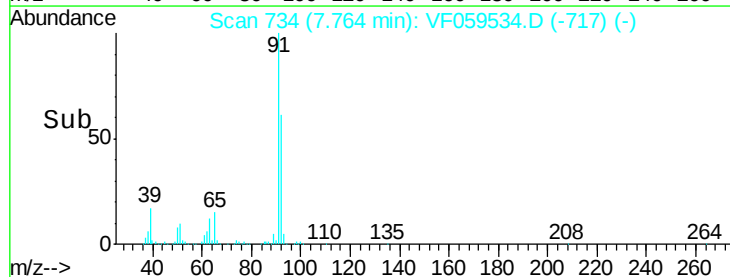
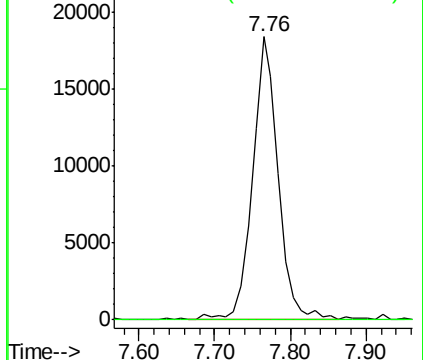
63 100

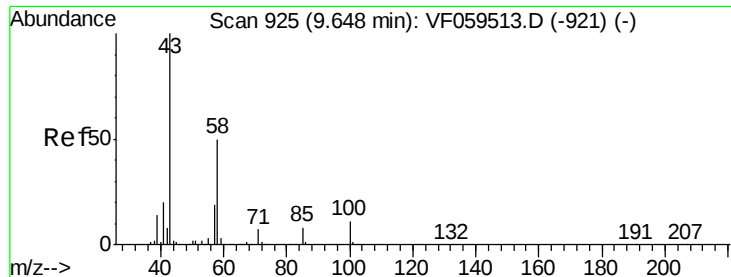
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





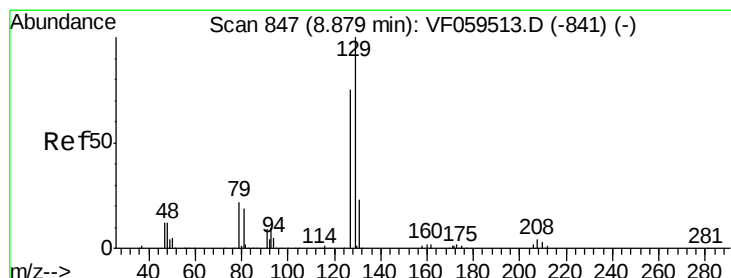
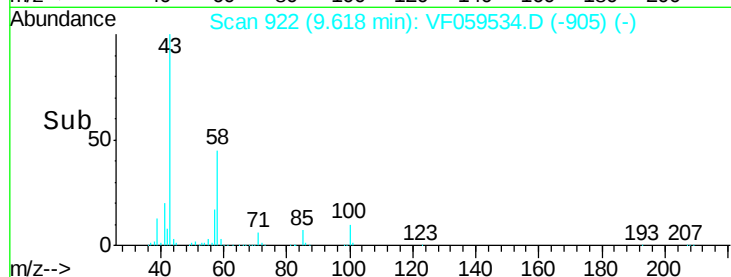
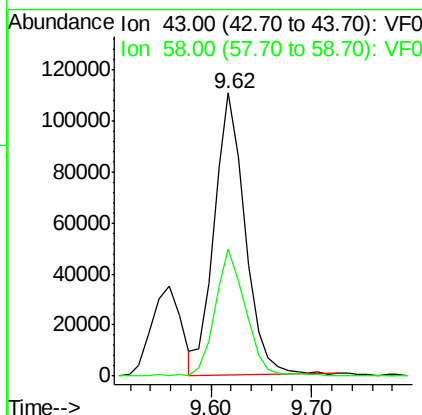
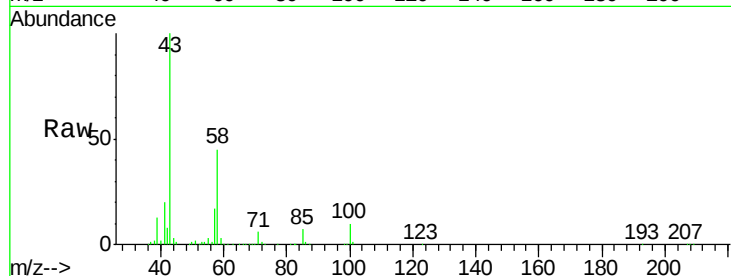
#59
2-Hexanone
Concen: 191.31 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.03 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.8	23.3	69.9

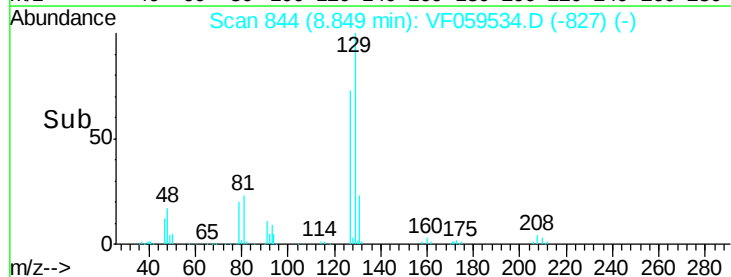
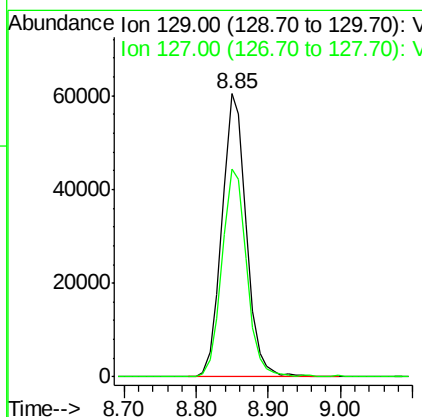
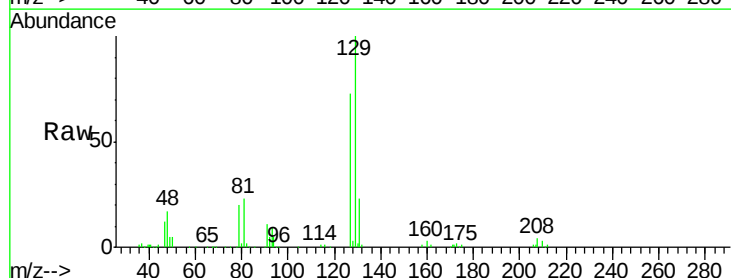
Manual Integrations
APPROVED

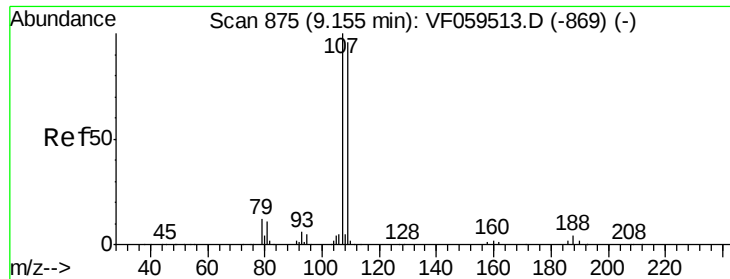
apatel
7/19/2018 10:18:53 AM



#60
Dibromochloromethane
Concen: 48.53 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.03 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.4	37.6	112.8





#61

1,2-Dibromoethane

Concen: 44.56 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion: 107 Resp: 95428

Ion Ratio Lower Upper

107 100

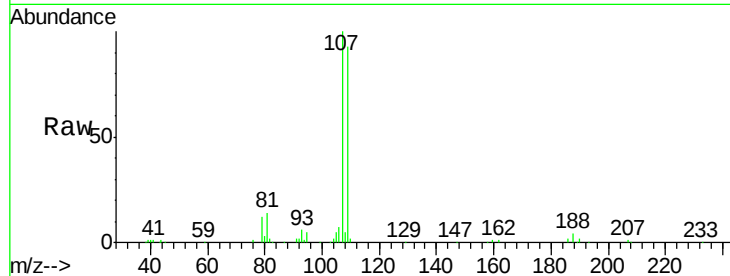
109 93.1 76.5 114.7

Manual Integrations

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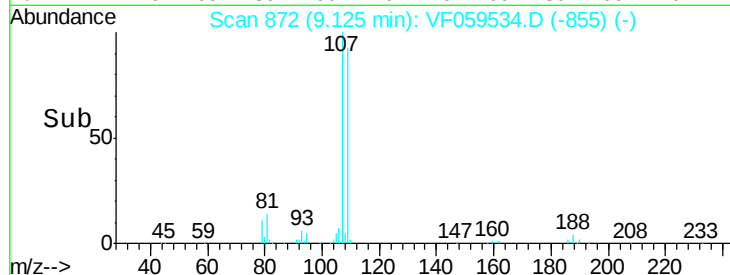


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

Time-->



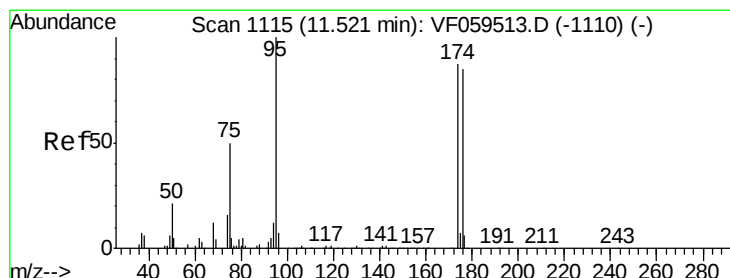
Abundance

Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

Time-->



#62

4-Bromofluorobenzene

Concen: 50.74 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

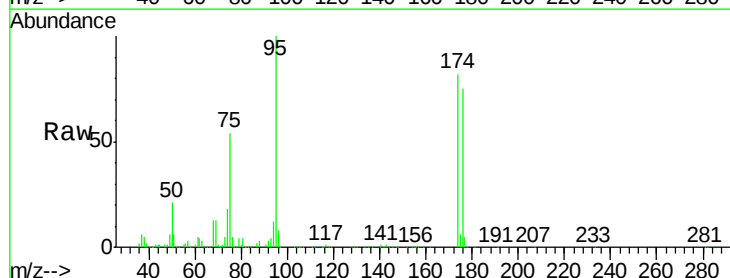
Tgt Ion: 95 Resp: 183670

Ion Ratio Lower Upper

95 100

174 81.8 0.0 174.4

176 74.6 0.0 169.4



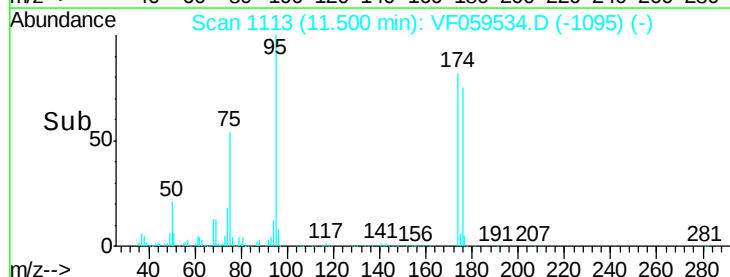
Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.50

Time-->



Abundance

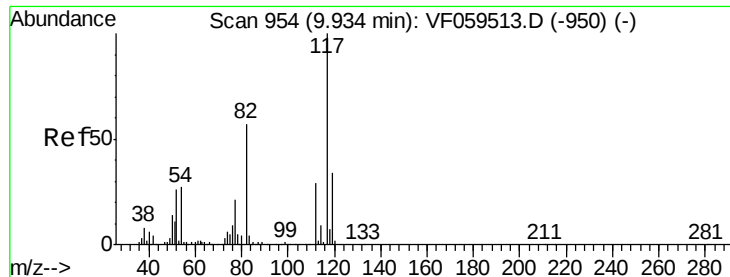
Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.50

Time-->



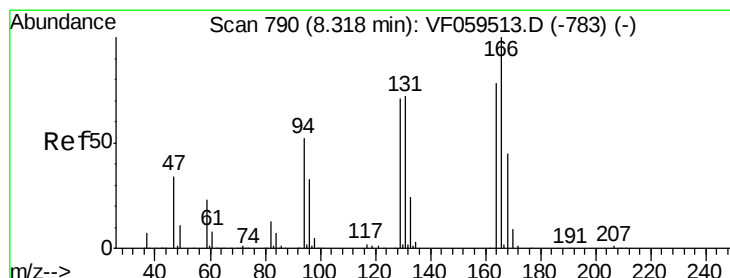
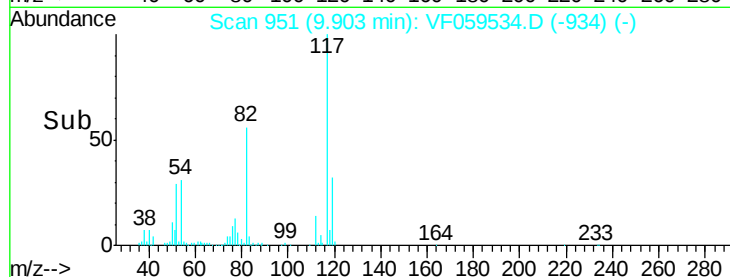
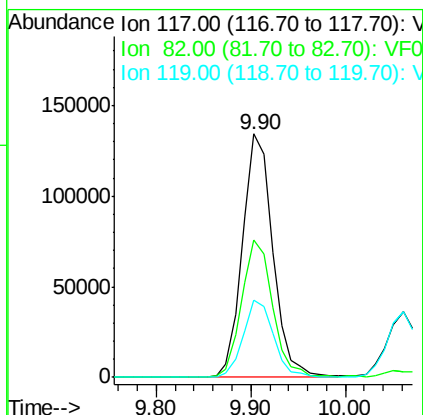
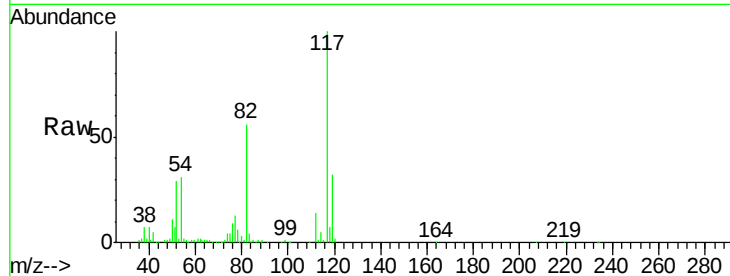
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.1	69.1
119	31.7	27.2	40.8

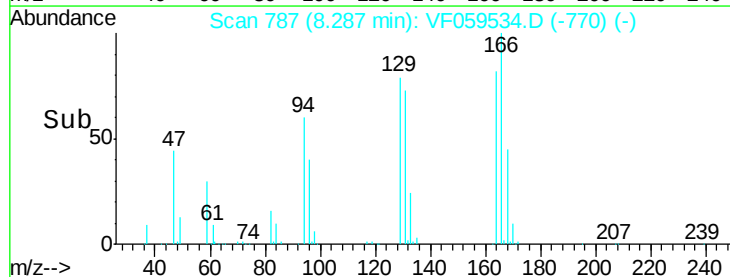
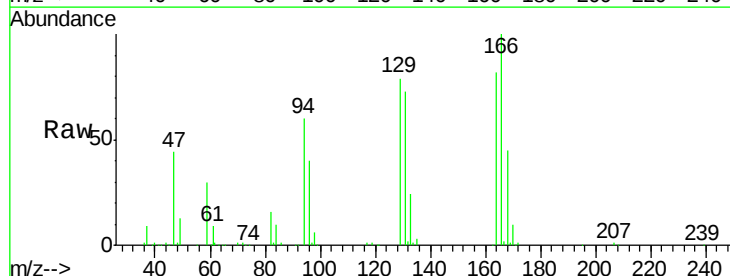
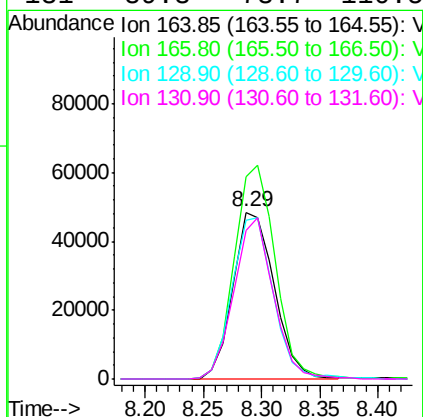
Manual Integrations
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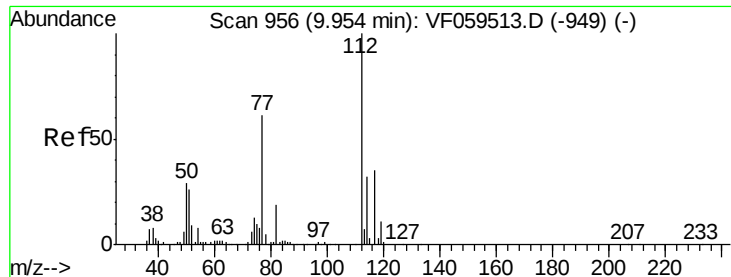
apatel
7/19/2018 10:18:53 AM



#64
Tetrachloroethene
Concen: 53.27 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.03 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.6	102.3	153.5
129	95.7	72.4	108.6
131	89.3	73.7	110.5





#65

Chlorobenzene

Concen: 50.50 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion:112 Resp: 284159

Ion Ratio Lower Upper

112 100

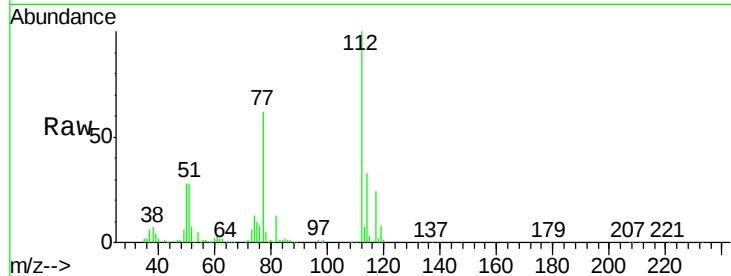
114 33.0 25.4 38.2

Manual Integrations

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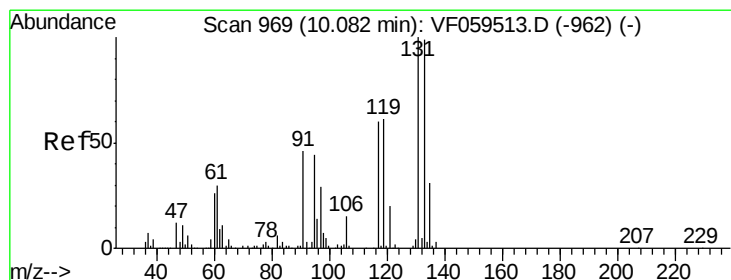
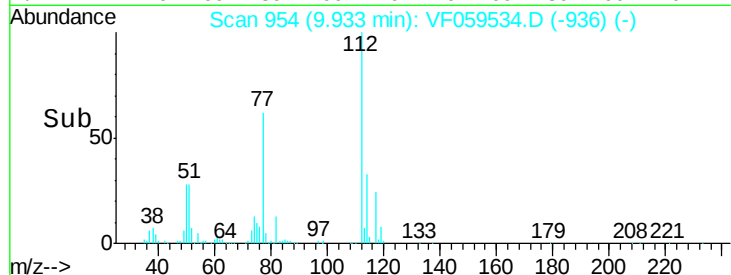
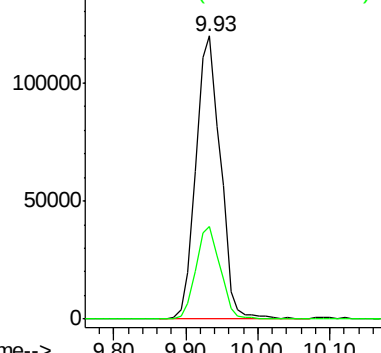
apatel

7/19/2018 10:18:53 AM



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.34 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

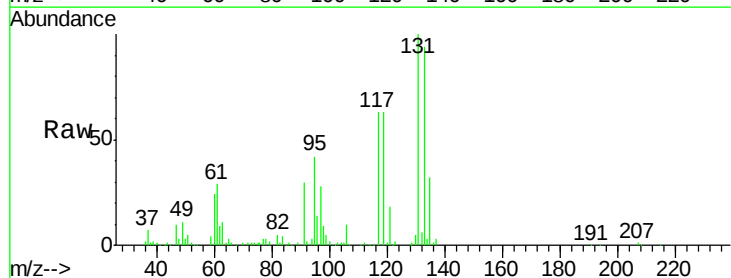
Tgt Ion:131 Resp: 129001

Ion Ratio Lower Upper

131 100

133 93.8 49.6 148.8

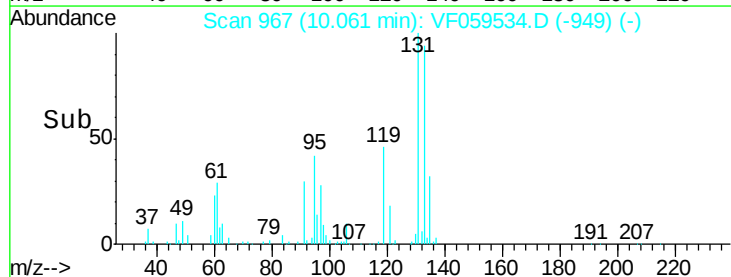
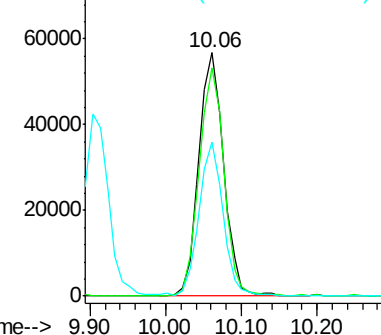
119 63.5 31.4 94.3

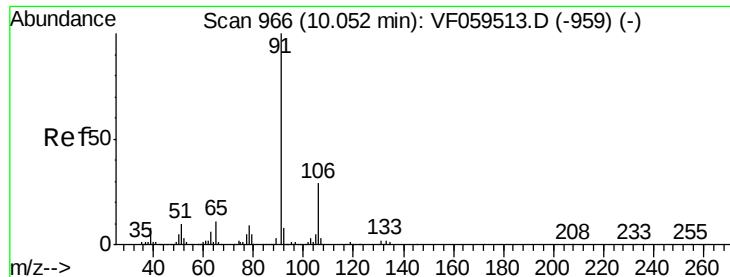


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





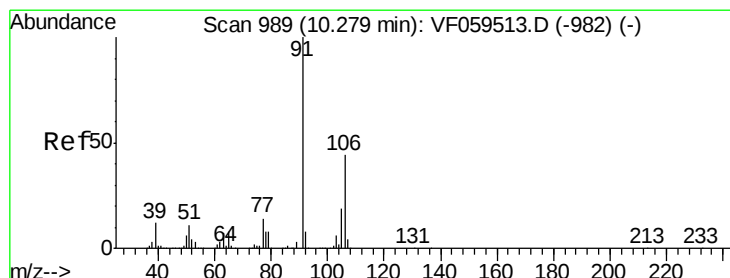
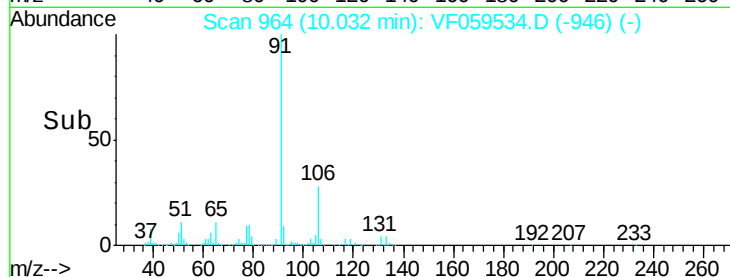
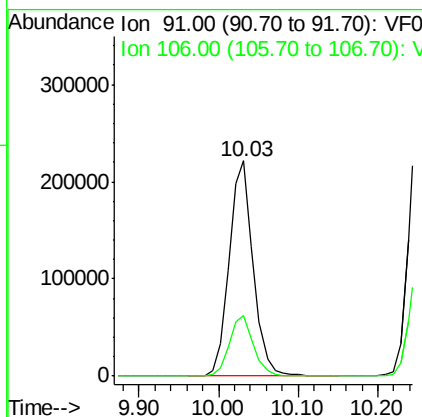
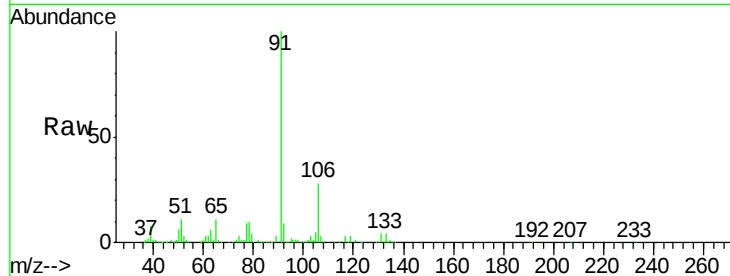
#67
Ethyl Benzene
Concen: 46.73 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.02 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion: 91 Resp: 468023
Ion Ratio Lower Upper
91 100
106 28.0 23.4 35.2

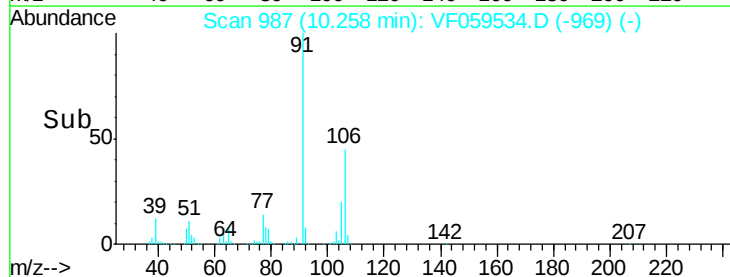
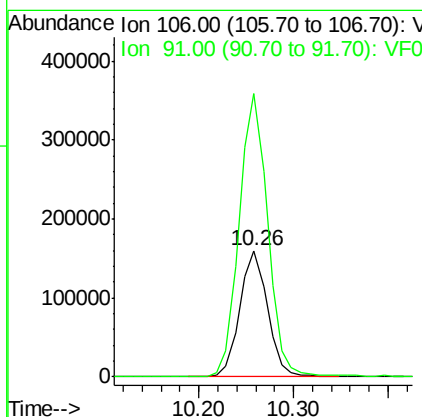
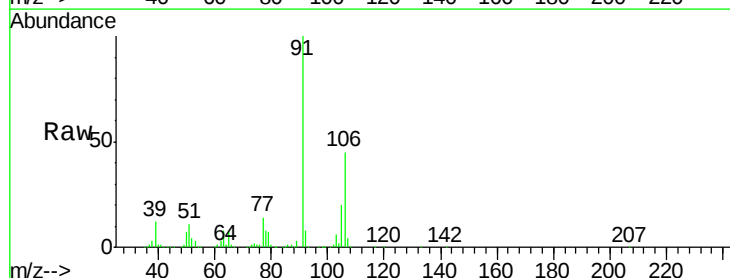
Manual Integrations
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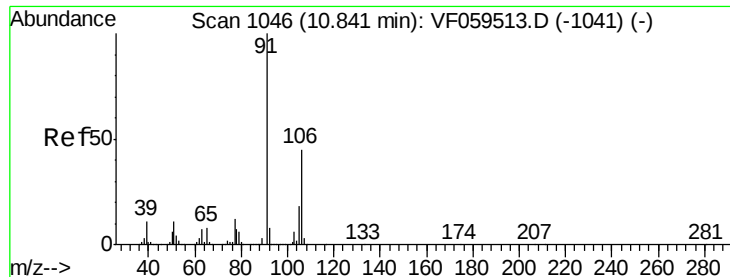
apatel
7/19/2018 10:18:53 AM



#68
m/p-Xylenes
Concen: 92.25 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.02 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion: 106 Resp: 326089
Ion Ratio Lower Upper
106 100
91 224.6 181.0 271.4





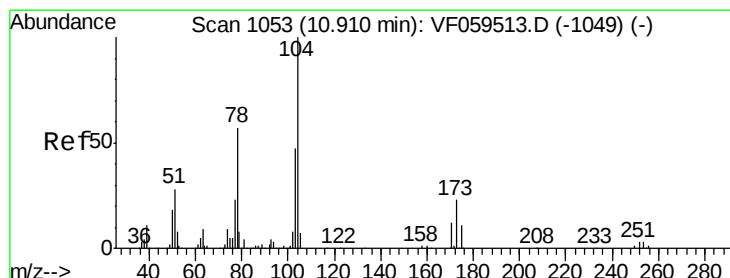
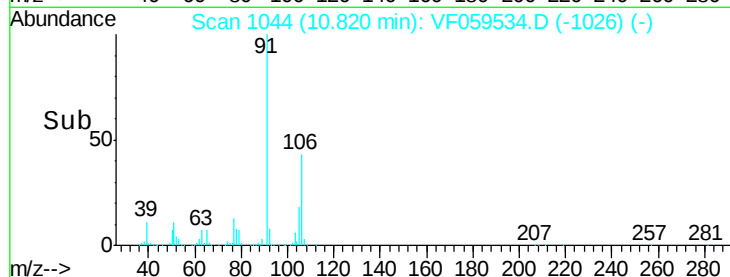
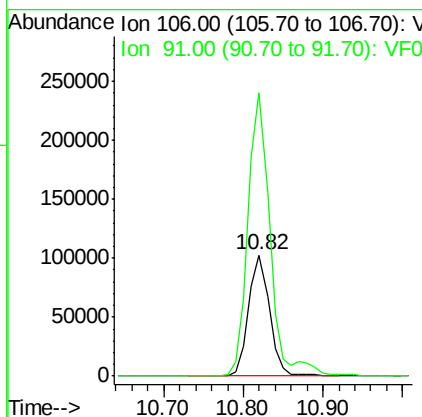
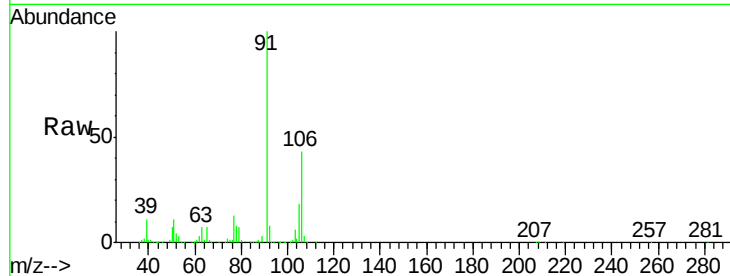
#69
o-Xylene
Concen: 49.39 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	185900		
91	91	233.8	112.3	336.9	

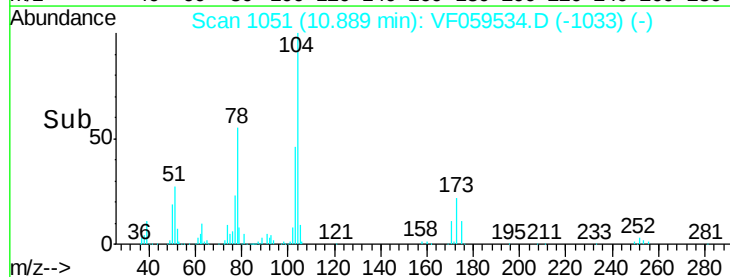
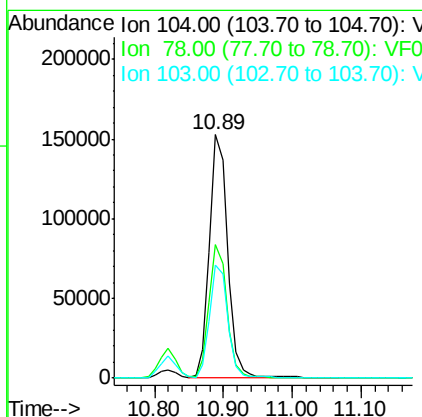
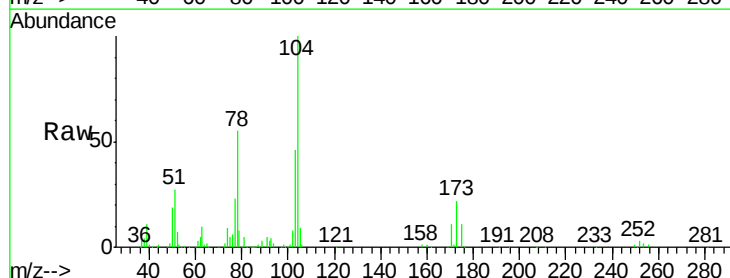
Manual Integrations
APPROVED

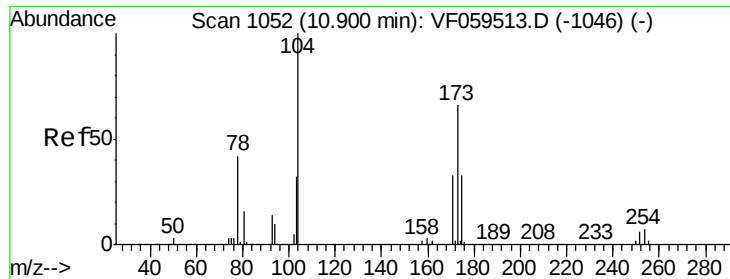
apatel
7/19/2018 10:18:53 AM



#70
Styrene
Concen: 48.73 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	281929		
78	78	54.9	45.7	68.5	
103	103	46.5	38.1	57.1	





#71

Bromoform

Concen: 47.21 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion:173 Resp: 84049

Ion Ratio Lower Upper

173 100

175 46.6 25.3 75.8

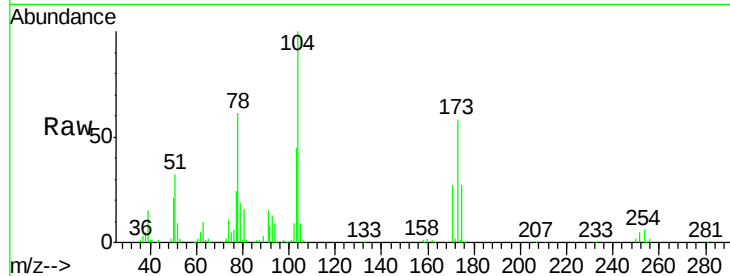
254 0.3 0.0 0.0#

Manual Integrations

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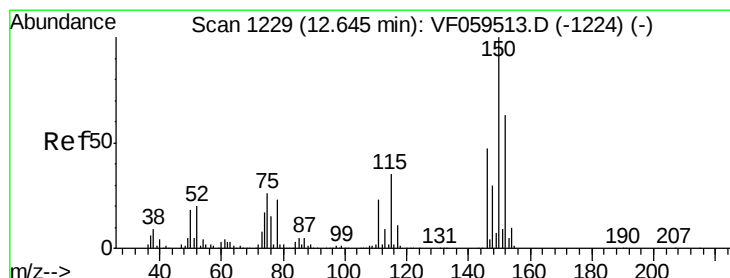
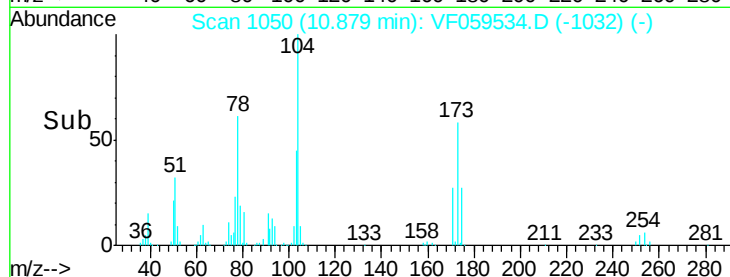
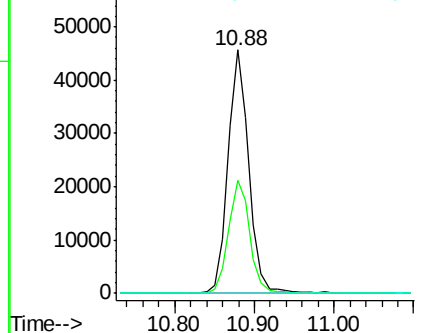
7/19/2018 10:18:53 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

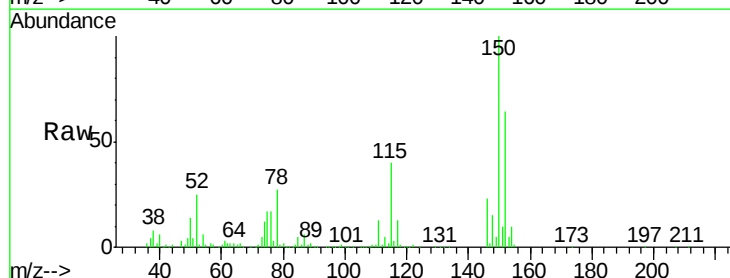
Tgt Ion:152 Resp: 170205

Ion Ratio Lower Upper

152 100

115 62.8 27.8 83.3

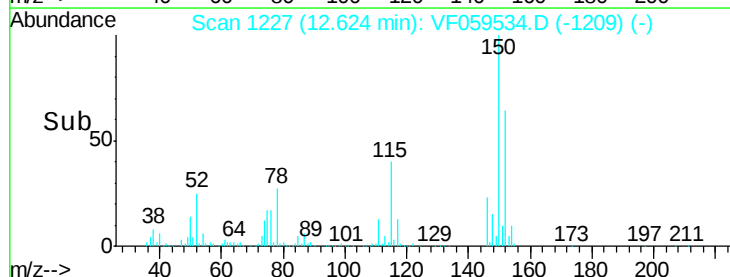
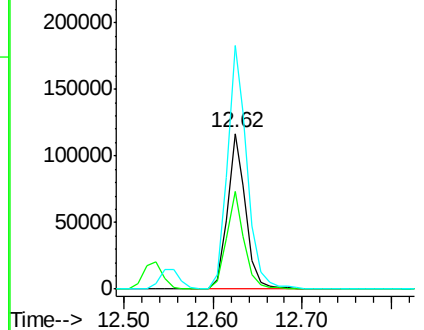
150 156.4 0.0 318.4

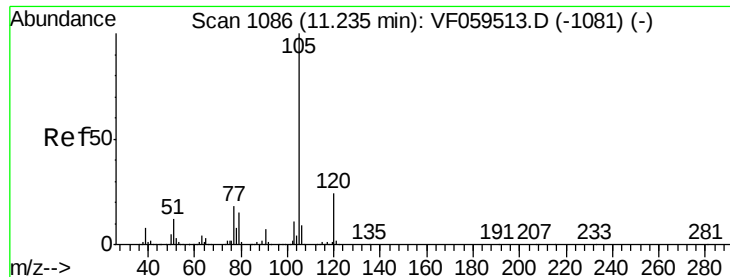


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 47.75 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion: 105 Resp: 512825

Ion Ratio Lower Upper

105 100

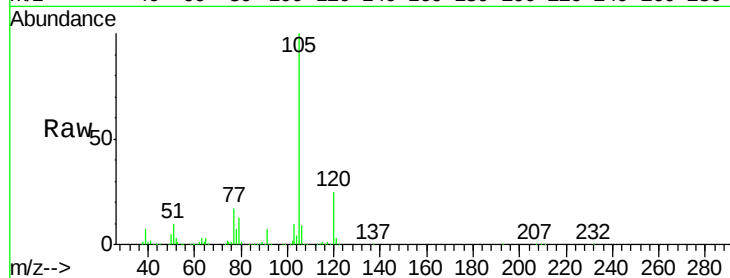
120 25.3 12.0 36.0

Manual Integrations

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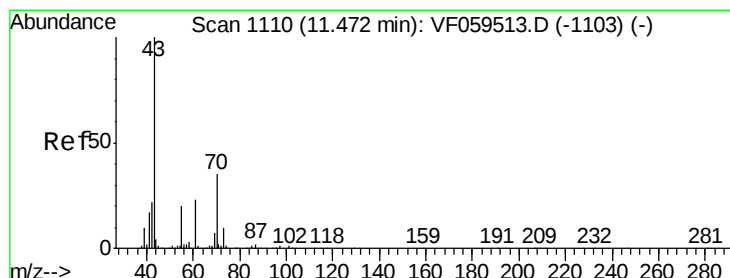
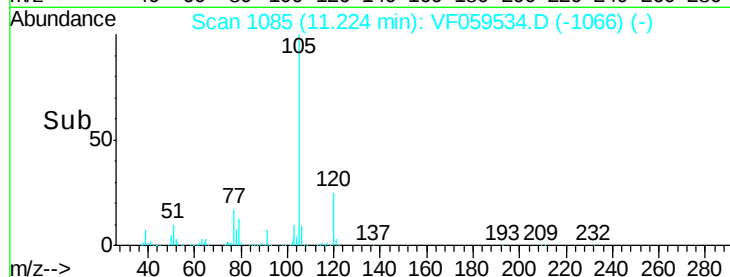
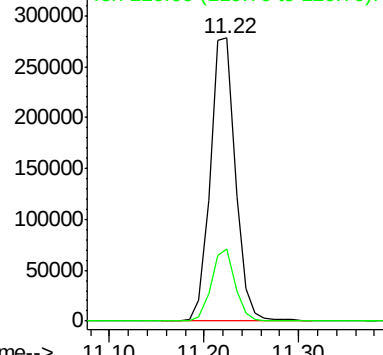
apatel

7/19/2018 10:18:53 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 30.18 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion: 43 Resp: 103814

Ion Ratio Lower Upper

43 100

70 31.3 27.9 41.9

55 21.6 16.2 24.2

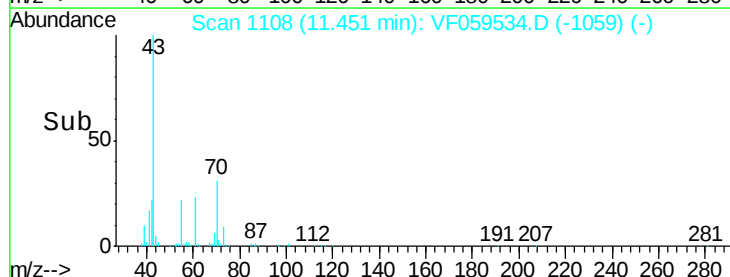
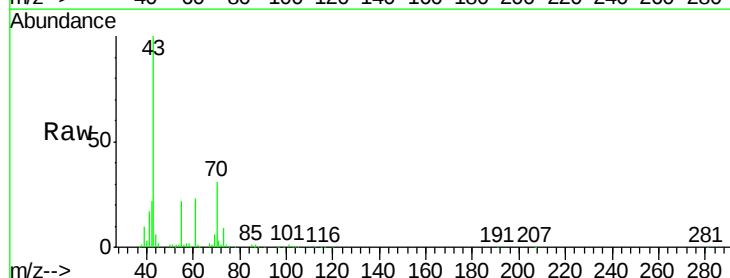
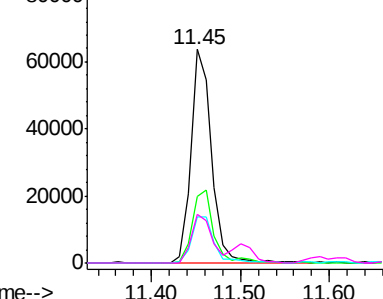
61 22.7 18.6 27.8

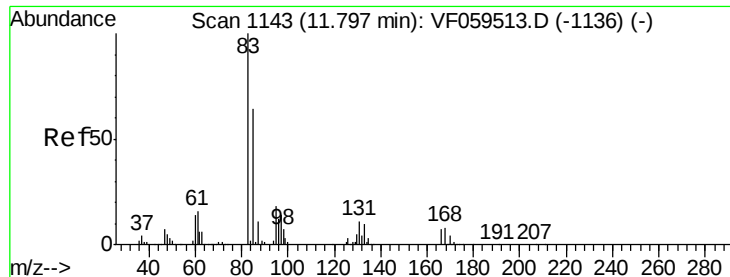
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 48.67 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion: 83 Resp: 114003

Ion Ratio Lower Upper

83 100

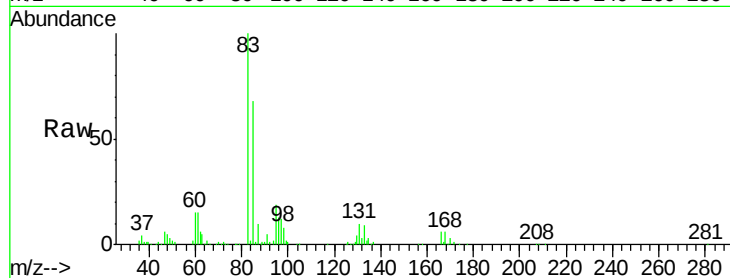
131 10.0 5.7 17.1

85 67.5 31.9 95.9

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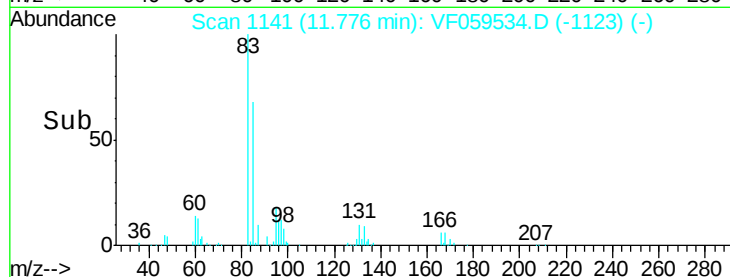
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

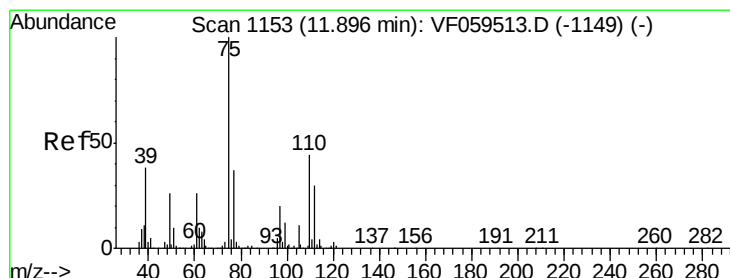
Ion 85.00 (84.70 to 85.70): VF0

Time-->

11.78



Time-->



#76

1,2,3-Trichloropropane

Concen: 48.18 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VF059534.D

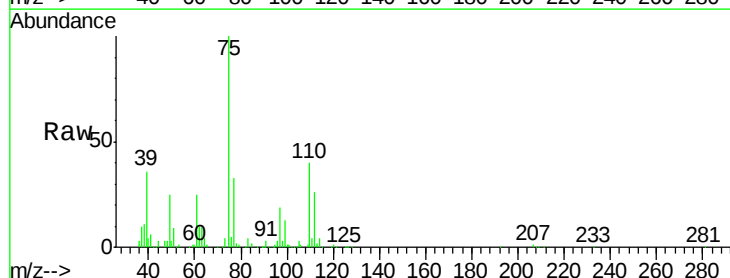
Acq: 19 Jul 2018 1:22

Tgt Ion: 75 Resp: 92158

Ion Ratio Lower Upper

75 100

77 33.5 18.7 56.1

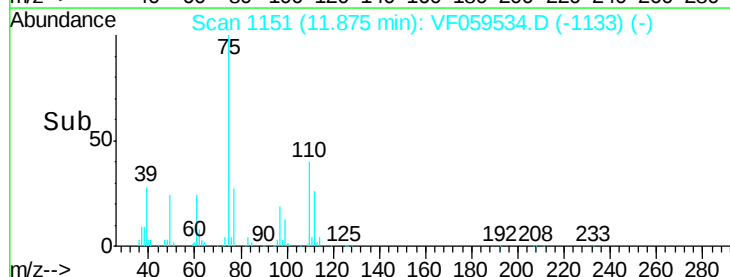


Abundance Ion 75.00 (74.70 to 75.70): VF0

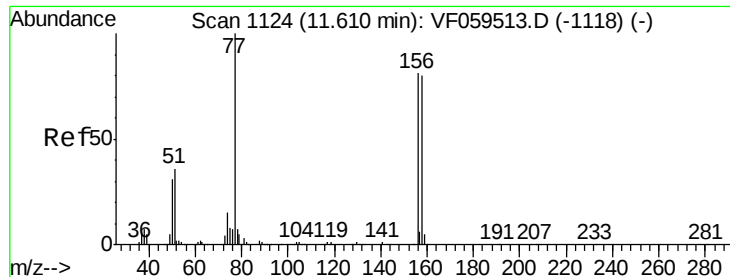
Ion 77.00 (76.70 to 77.70): VF0

Time-->

11.87



Time-->



#77

Bromobenzene

Concen: 50.04 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

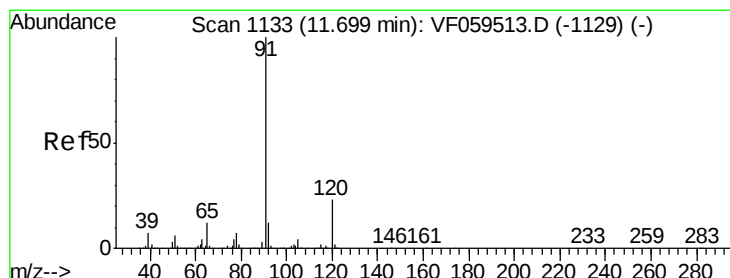
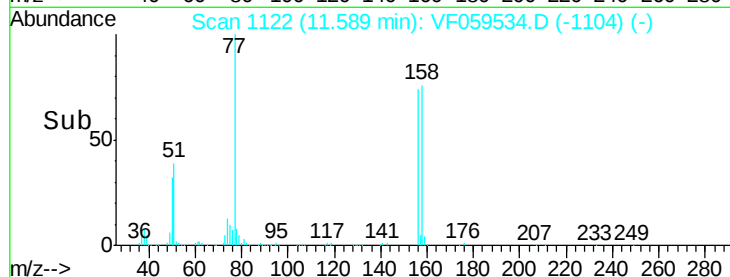
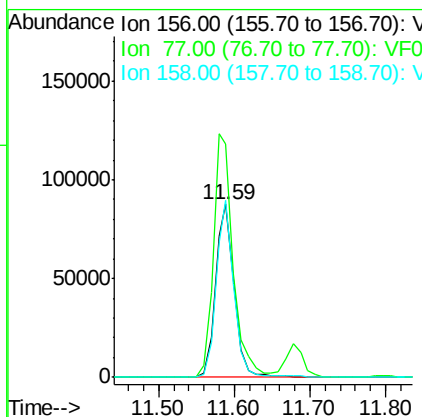
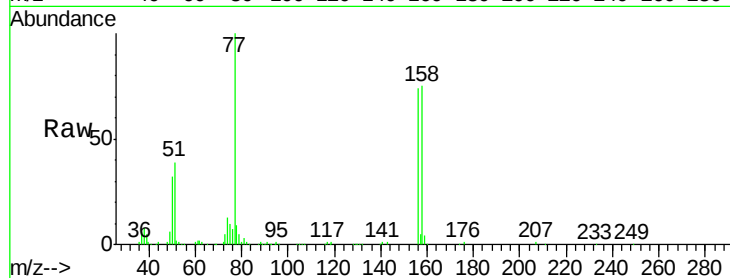
ClientSampleId :

CON-SB-05-0-2MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		150645		
77	135.3	62.0	186.0		
158	102.1	49.8	149.3		

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#78

n-propylbenzene

Concen: 45.27 ug/l

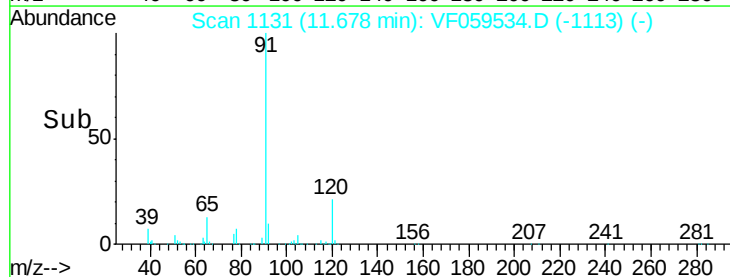
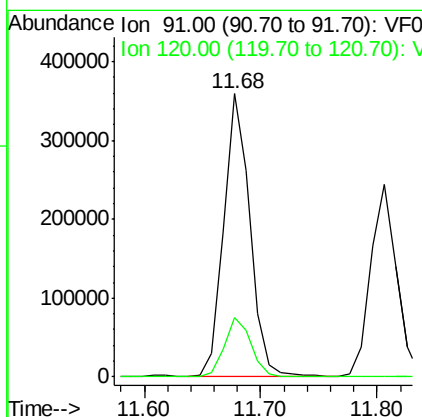
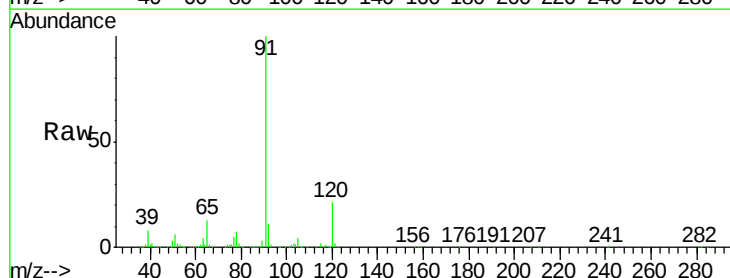
RT: 11.68 min Scan# 1131

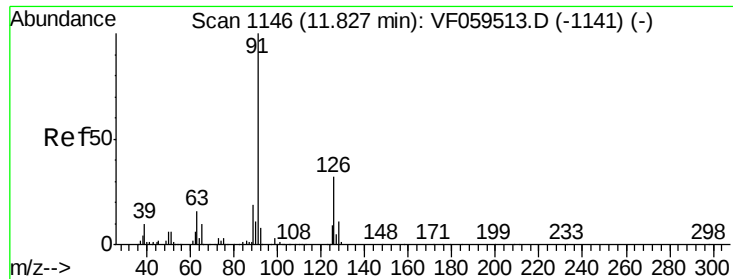
Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		557774		
120	20.9	11.3	33.9		





#79

2-Chlorotoluene

Concen: 49.59 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion: 91 Resp: 376324

Ion Ratio Lower Upper

91 100

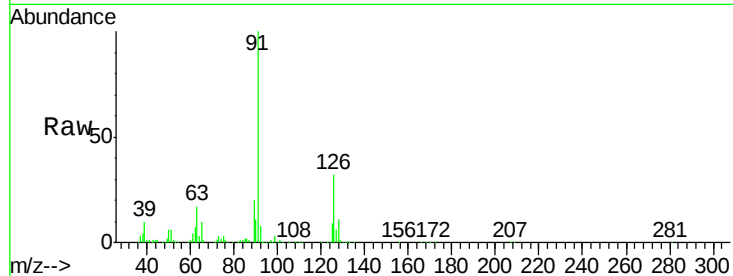
126 32.4 15.7 47.1

Manual Integrations

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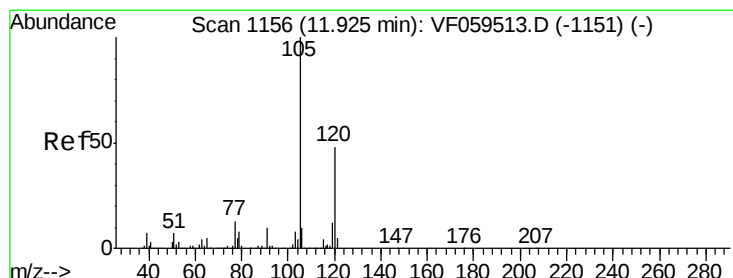
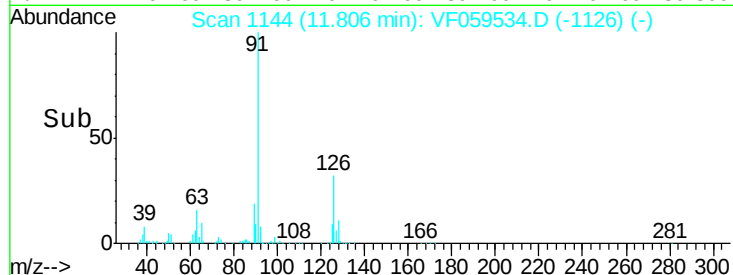
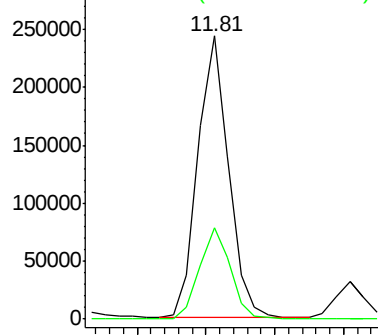
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 47.38 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VF059534.D

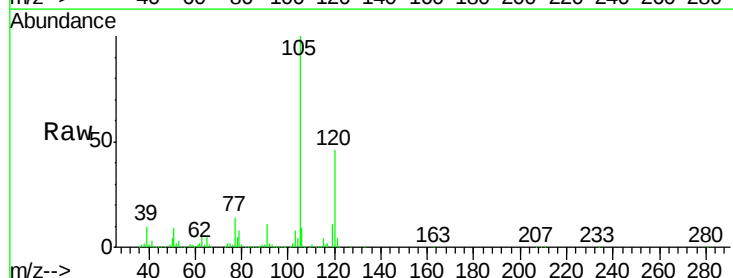
Acq: 19 Jul 2018 1:22

Tgt Ion: 105 Resp: 426439

Ion Ratio Lower Upper

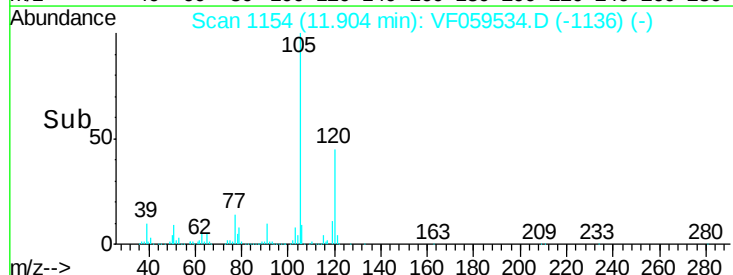
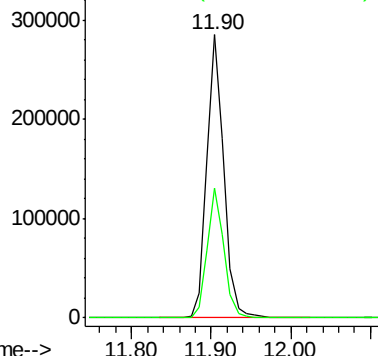
105 100

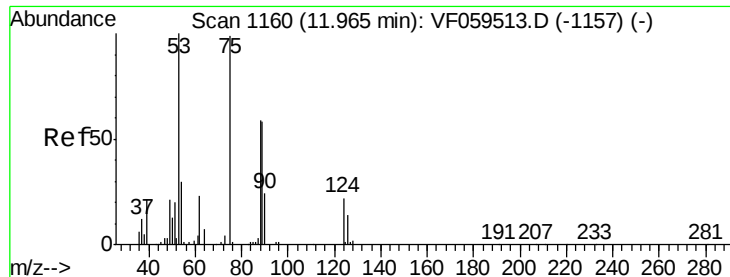
120 45.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 37.70 ug/l m

RT: 11.94 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

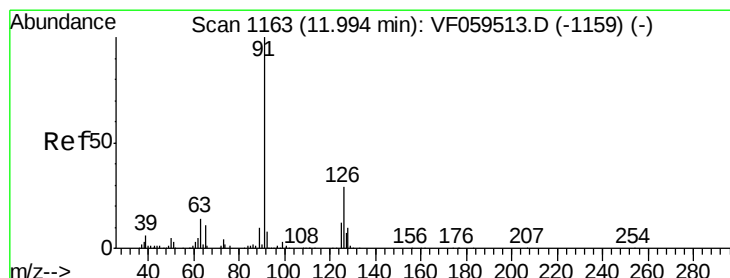
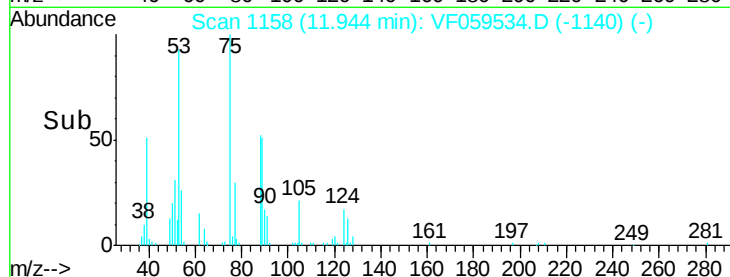
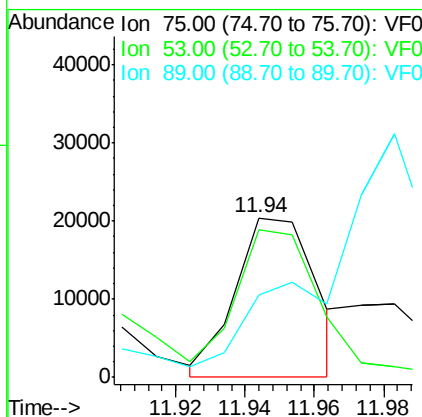
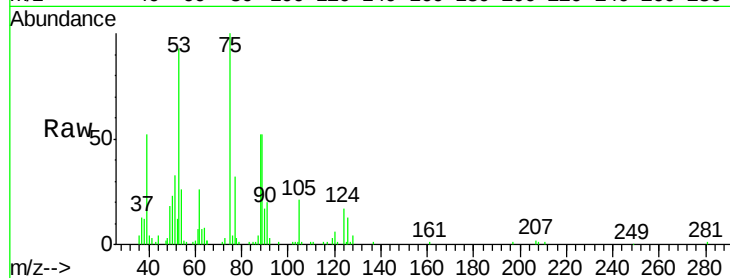
ClientSampleId :

CON-SB-05-0-2MS

Tot Ion:	75	Resp:	32947
Ion Ratio	Lower	Upper	
75	100		
53	92.6	84.6	127.0
89	51.7	48.2	72.4

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#82

4-Chlorotoluene

Concen: 47.21 ug/l

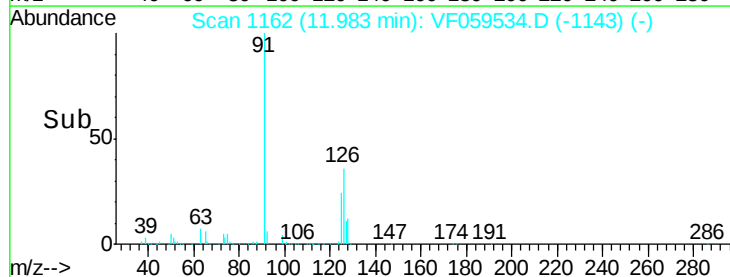
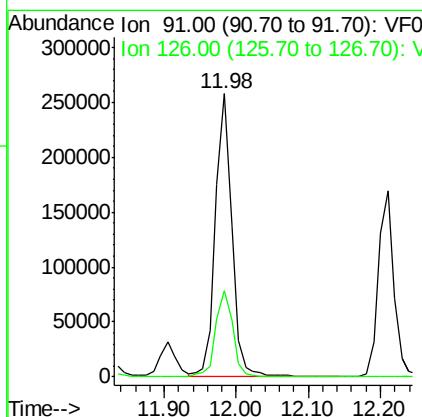
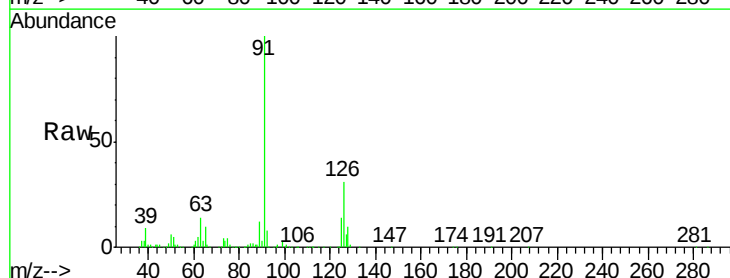
RT: 11.98 min Scan# 1162

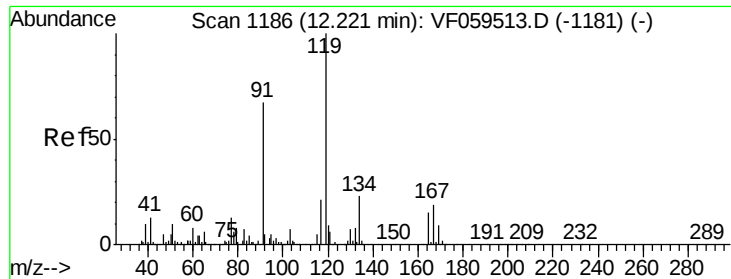
Delta R.T. -0.01 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion:	91	Resp:	401394
Ion Ratio	Lower	Upper	
91	100		
126	30.7	14.4	43.4





#83

tert-Butylbenzene

Concen: 45.92 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

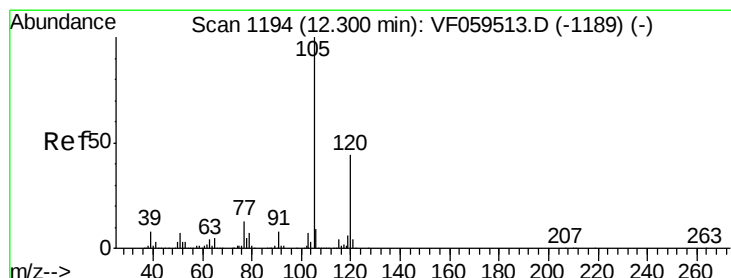
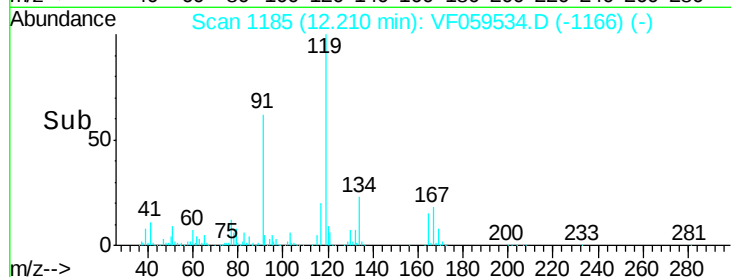
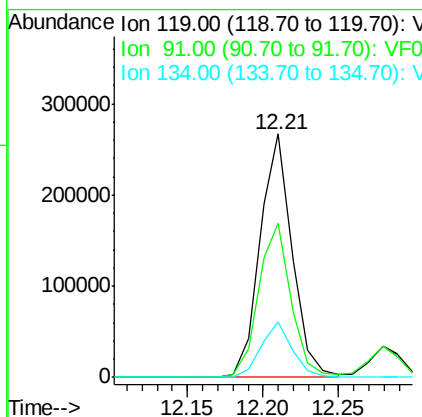
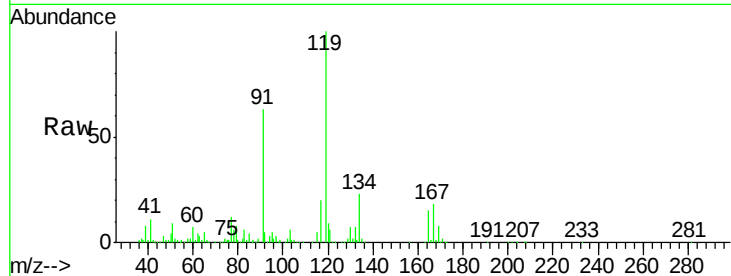
ClientSampleId :

CON-SB-05-0-2MS

Tot Ion:	119	Resp:	396594
Ion Ratio	Lower	Upper	
119	100		
91	63.4	33.5	100.5
134	22.9	11.3	33.8

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#84

1,2,4-Trimethylbenzene

Concen: 48.16 ug/l

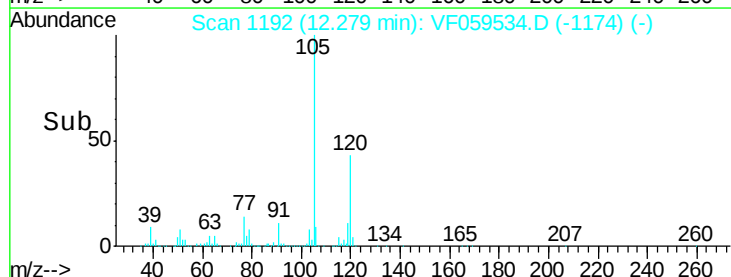
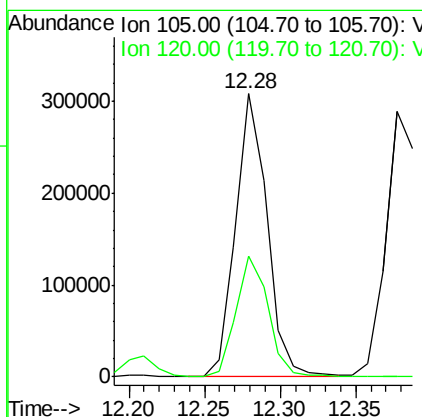
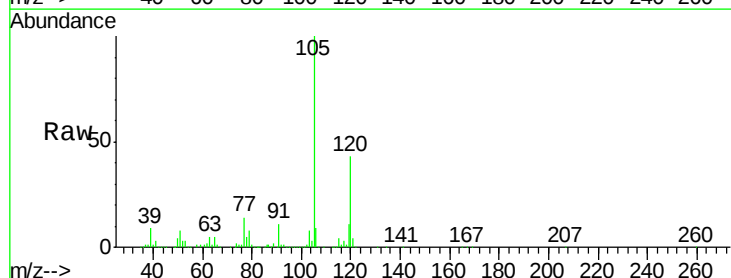
RT: 12.28 min Scan# 1192

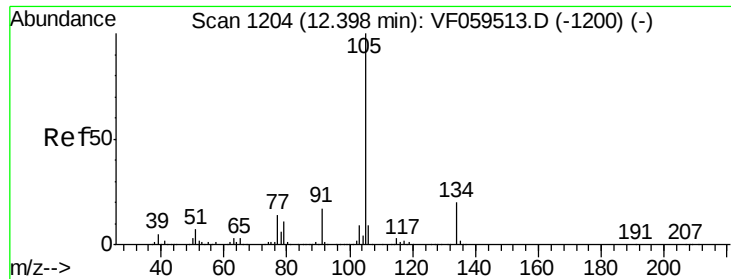
Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Tgt Ion:	105	Resp:	445919
Ion Ratio	Lower	Upper	
105	100		
120	42.6	22.5	67.5





#85

sec-Butylbenzene

Concen: 41.24 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-05-0-2MS

Tot Ion:105 Resp: 452991

Ion Ratio Lower Upper

105 100

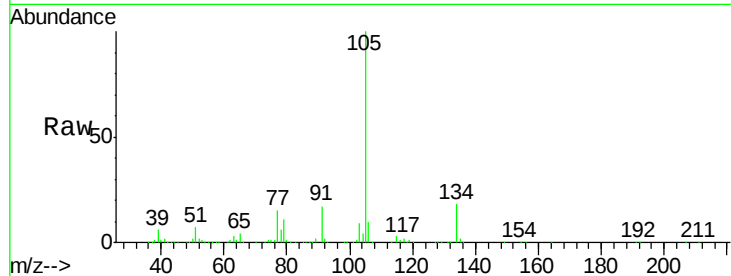
134 17.8 10.1 30.1

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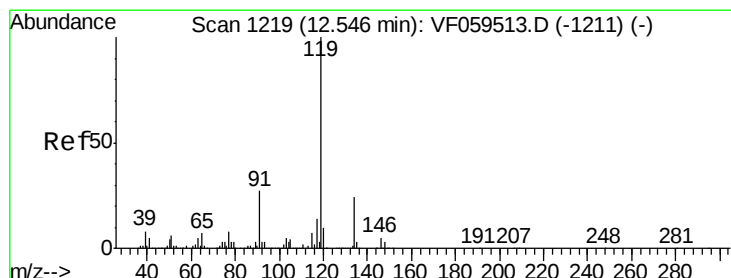
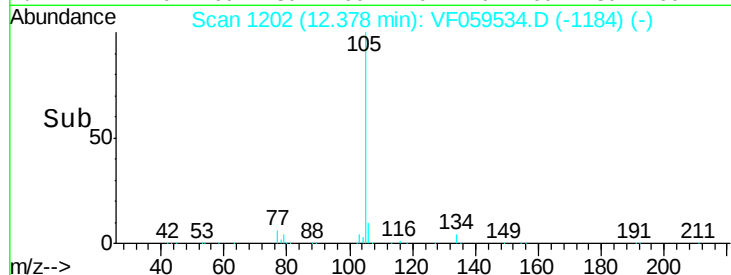
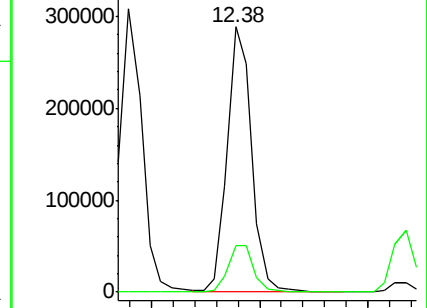
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 41.16 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059534.D

Acq: 19 Jul 2018 1:22

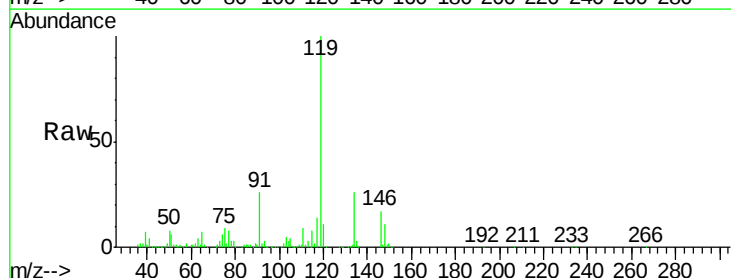
Tgt Ion:119 Resp: 393355

Ion Ratio Lower Upper

119 100

134 25.6 12.0 36.0

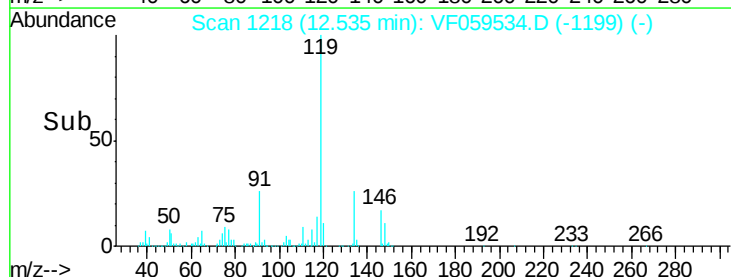
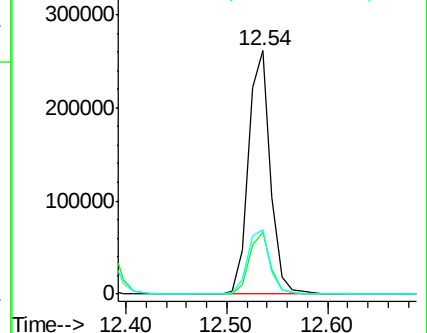
91 26.2 13.5 40.4

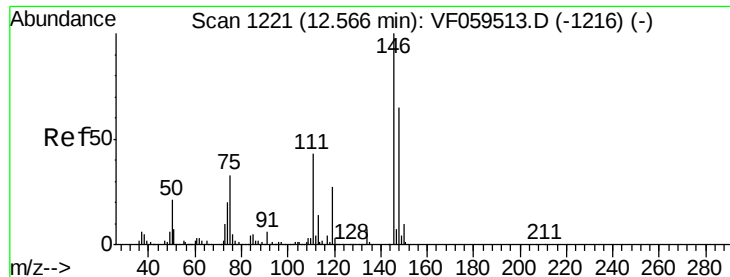


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





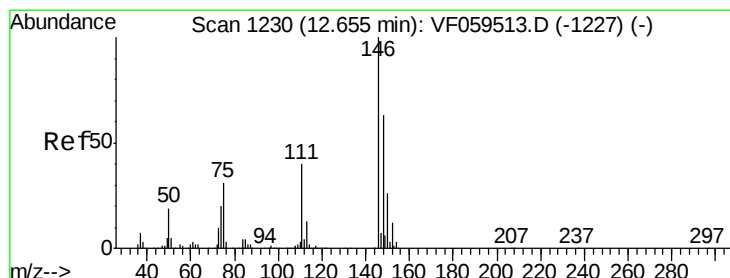
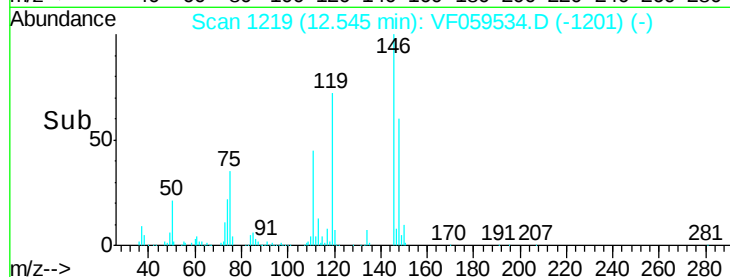
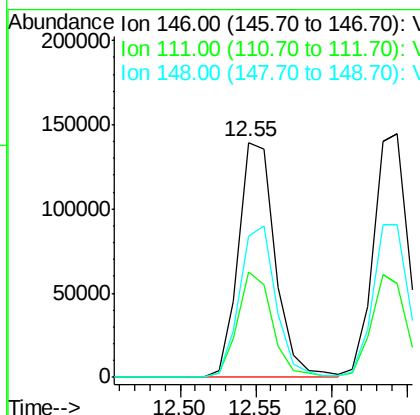
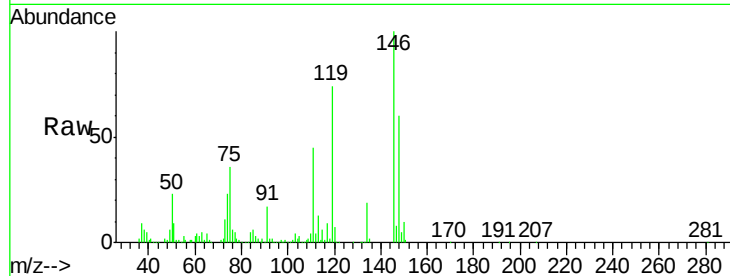
#87
 1,3-Dichlorobenzene
 Concen: 45.81 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: VF059534.D
 Acq: 19 Jul 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.4	64.3
148	60.1	32.7	98.1

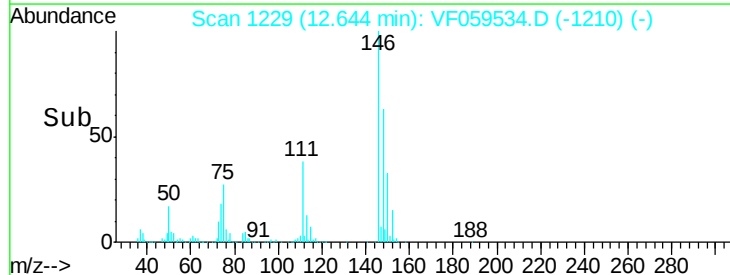
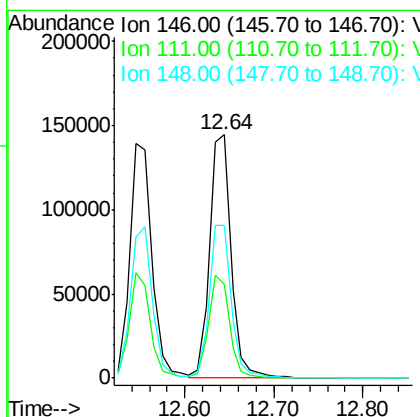
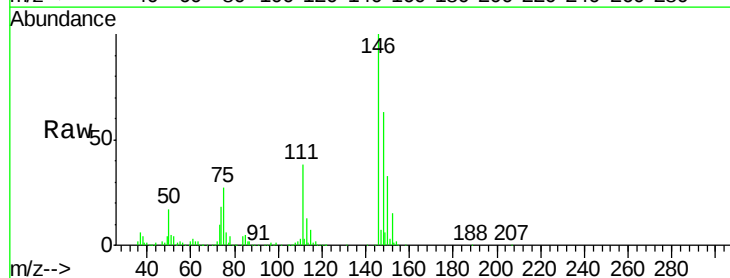
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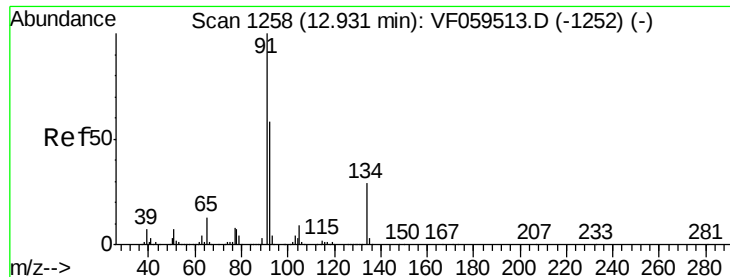
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#88
 1,4-Dichlorobenzene
 Concen: 47.45 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF059534.D
 Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.0	59.9
148	62.9	31.5	94.5





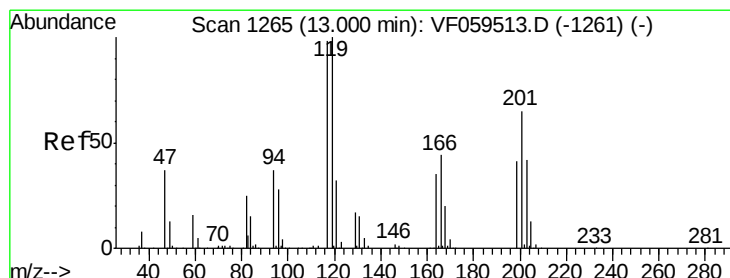
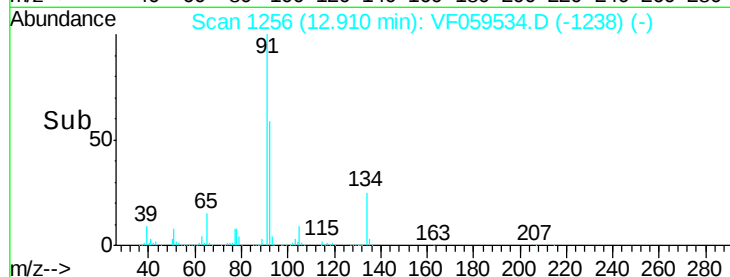
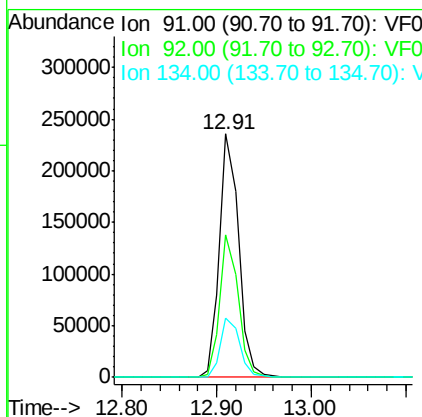
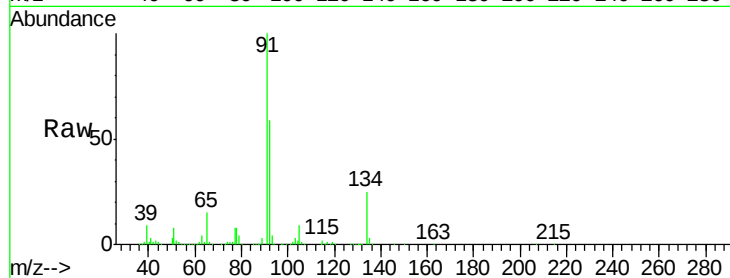
#89
n-Butylbenzene
Concen: 37.16 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.6	29.1	87.3
134	24.5	14.3	42.9

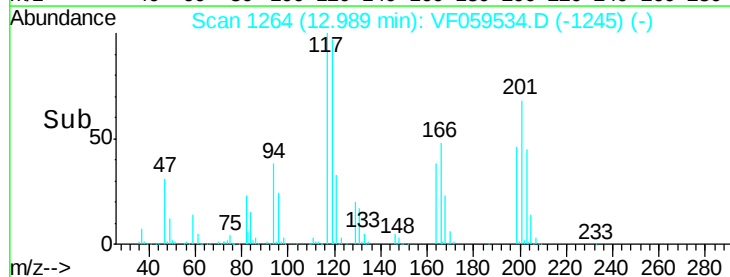
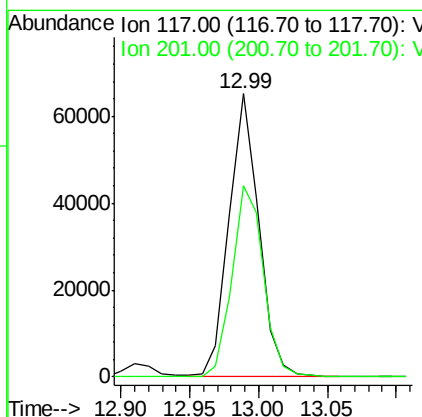
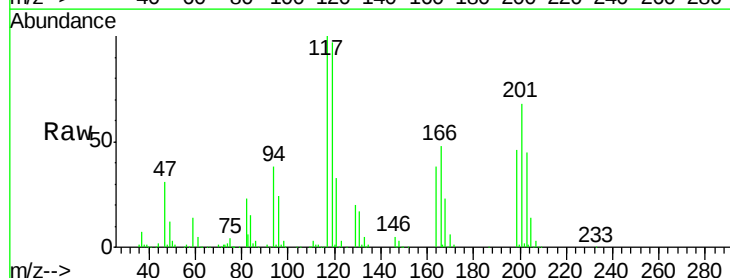
Manual Integrations
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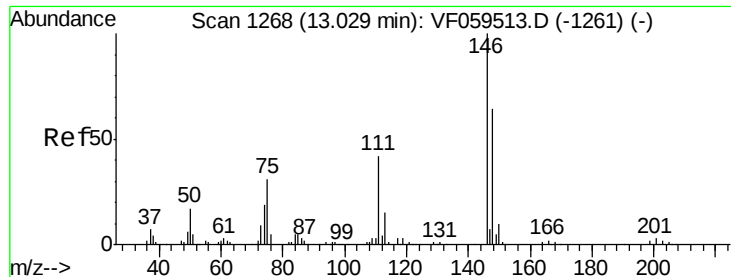
apatel
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#90
Hexachloroethane
Concen: 45.38 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.0	32.6	98.0





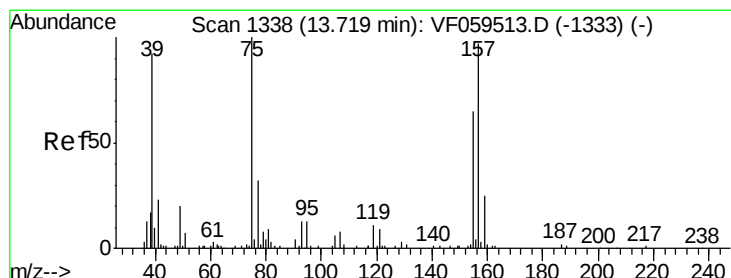
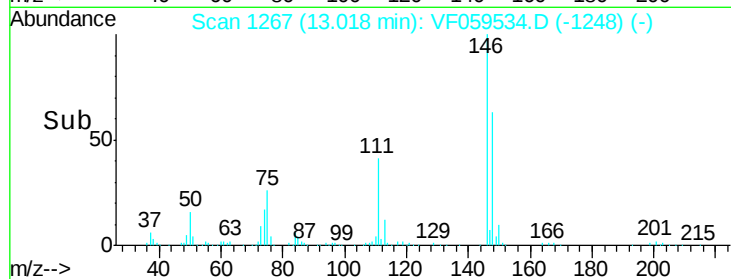
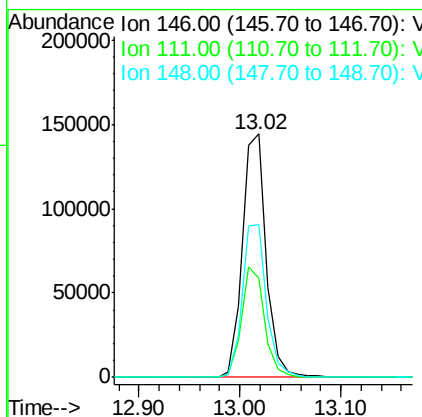
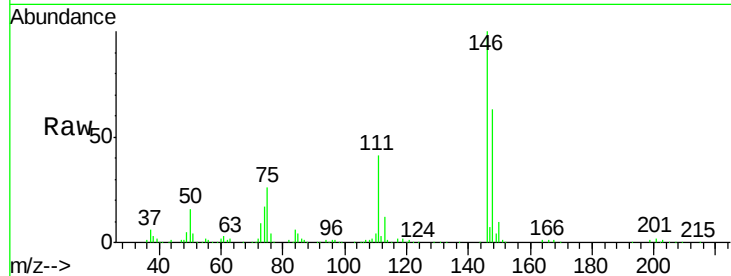
#91
 1,2-Dichlorobenzene
 Concen: 47.80 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF059534.D
 Acq: 19 Jul 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.1	63.1
148	62.8	32.3	96.8

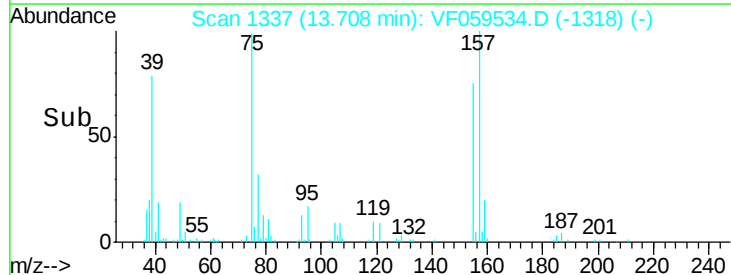
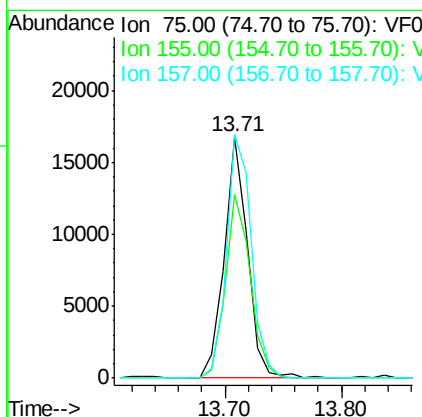
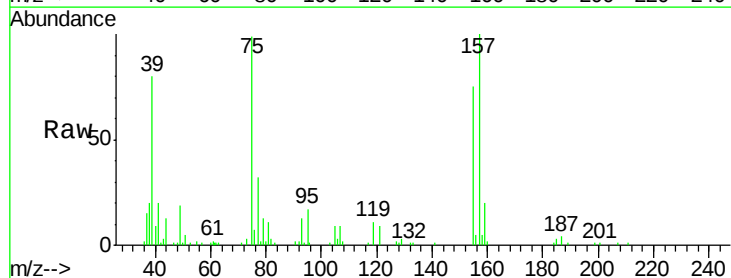
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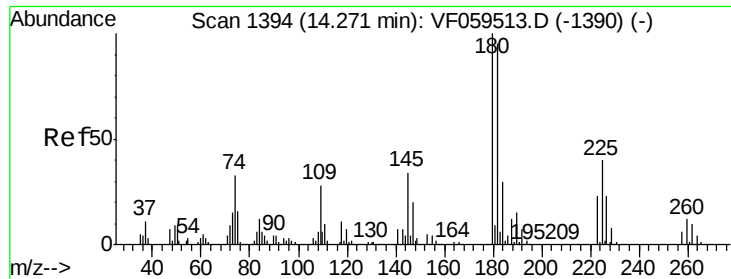
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.69 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059534.D
 Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.0	32.8	98.3
157	100.9	48.5	145.5





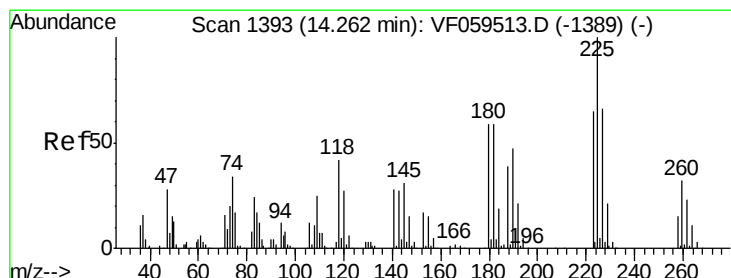
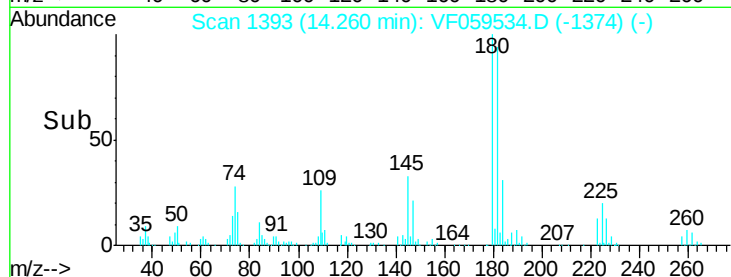
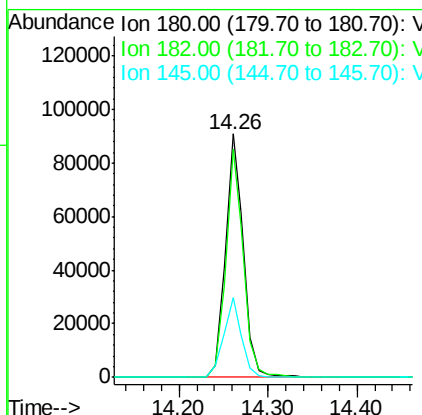
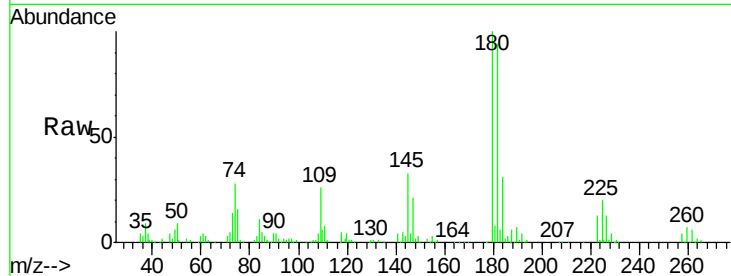
#93
 1,2,4-Trichlorobenzene
 Concen: 43.32 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059534.D
 Acq: 19 Jul 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-05-0-2MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.9	47.5	142.5	
145	32.6	17.3	51.7	

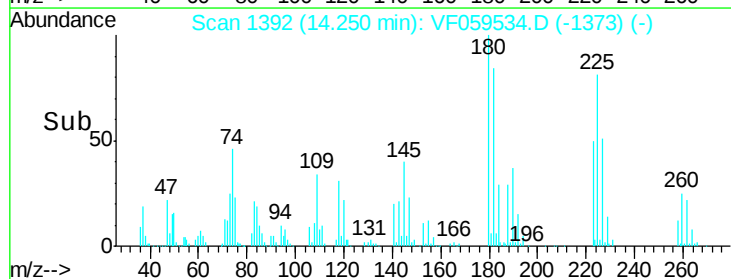
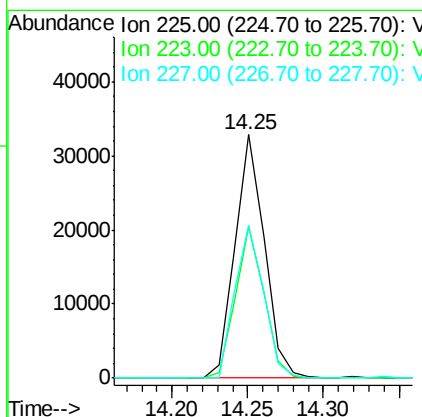
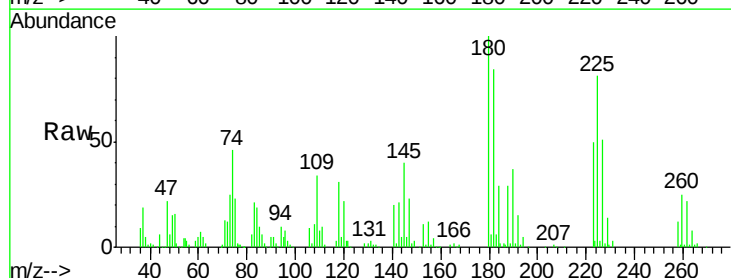
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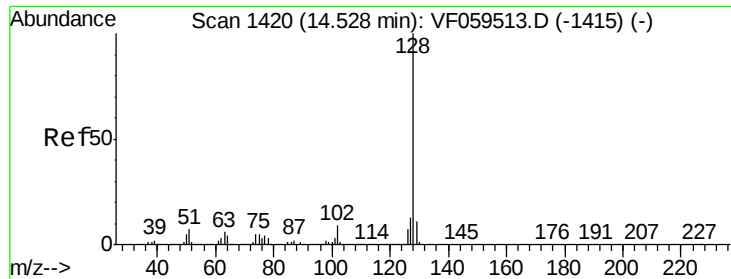
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#94
 Hexachlorobutadiene
 Concen: 28.83 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059534.D
 Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	32.3	96.8	
227	62.8	33.2	99.6	





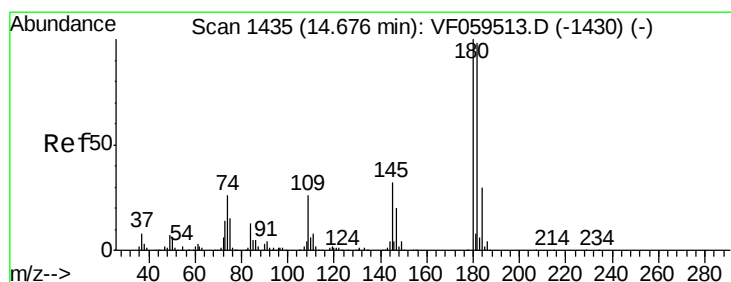
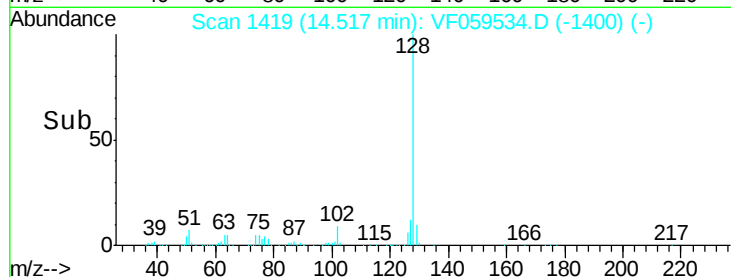
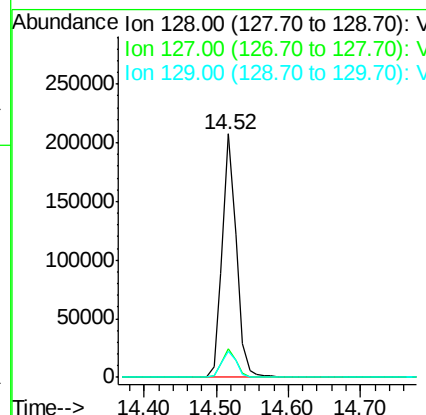
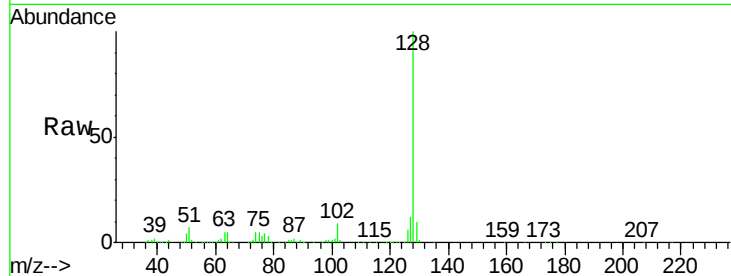
#95
Naphthalene
Concen: 44.77 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-05-0-2MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.2
129	10.5	9.0	13.4

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 42.59 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059534.D
Acq: 19 Jul 2018 1:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.8	146.4
145	30.2	16.2	48.6

