

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059386.D
 Acq On : 2 Jul 2018 14:50
 Operator : VA/AP
 Sample : VF0702SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

Manual Integrations
 APPROVED

apatel
 7/3/2018 10:34:38 AM

Quant Time: Jul 03 01:26:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	268307	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	409883	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	400308	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	257714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	157603	45.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	90.92%	
35) Dibromofluoromethane	4.26	113	132929	44.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.78%	
50) Toluene-d8	7.69	98	321153	43.31	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	86.62%	
62) 4-Bromofluorobenzene	11.50	95	185284	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	54027	22.04	ug/l	98
3) Chloromethane	1.07	50	34073	20.69	ug/l	96
4) Vinyl Chloride	1.13	62	36788	22.69	ug/l	92
5) Bromomethane	1.33	94	21949	21.40	ug/l	95
6) Chloroethane	1.43	64	16090	19.71	ug/l	100
7) Trichlorofluoromethane	1.52	101	74087m	23.11	ug/l	
8) Diethyl Ether	1.68	74	17140	20.85	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.88	101	42826	22.89	ug/l	97
10) Methyl Iodide	1.95	142	68337	20.03	ug/l	96
11) Tert butyl alcohol	2.67	59	24053	104.23	ug/l #	88
12) 1,1-Dichloroethene	1.84	96	33826	21.38	ug/l	98
13) Acrolein	2.08	56	12408	101.26	ug/l	98
14) Allyl chloride	2.18	41	68143	22.95	ug/l	92
15) Acrylonitrile	3.05	53	42980	105.76	ug/l	99
16) Acetone	2.32	43	103617	114.14	ug/l	99
17) Carbon Disulfide	1.85	76	77529m	20.84	ug/l	
18) Methyl Acetate	2.43	43	34020	21.07	ug/l #	90
19) Methyl tert-butyl Ether	2.52	73	130326	22.09	ug/l	96
20) Methylene Chloride	2.30	84	57703m	26.16	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	35654	21.13	ug/l	95
22) Diisopropyl ether	2.90	45	149495	22.74	ug/l	98
23) Vinyl Acetate	3.31	43	481500	114.98	ug/l	98
24) 1,1-Dichloroethane	2.97	63	90933	22.30	ug/l	97
25) 2-Butanone	4.49	43	123134	115.95	ug/l	98
26) 2,2-Dichloropropane	3.73	77	66235	23.56	ug/l	100
27) cis-1,2-Dichloroethene	3.60	96	57616	22.49	ug/l	80
28) Bromochloromethane	3.86	49	39796	23.14	ug/l	98
29) Tetrahydrofuran	4.24	42	54751	118.13	ug/l	96
30) Chloroform	4.01	83	130508	22.11	ug/l	96
31) Cyclohexane	3.84	56	58399	21.87	ug/l	98
32) 1,1,1-Trichloroethane	4.25	97	98294	22.76	ug/l	92
36) 1,1-Dichloropropene	4.43	75	80180	22.39	ug/l	98
37) Ethyl Acetate	4.26	43	56101	23.71	ug/l #	88
38) Carbon Tetrachloride	4.15	117	103515	22.91	ug/l	93

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apatel
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	71128	22.42	ug/l	91
40) Benzene	4.78	78	167395	21.08	ug/l	98
41) Methacrylonitrile	4.90	41	26371	21.59	ug/l	93
42) 1,2-Dichloroethane	5.09	62	103797	22.37	ug/l	97
43) Isopropyl Acetate	7.08	43	63073	21.15	ug/l #	90
44) Trichloroethene	5.64	130	61925	22.74	ug/l	95
45) 1,2-Dichloropropane	6.38	63	48762	21.50	ug/l	96
46) Dibromomethane	6.23	93	43641	22.17	ug/l	94
47) Bromodichloromethane	6.52	83	103089	21.63	ug/l	90
48) Methyl methacrylate	6.85	41	42998	21.51	ug/l	97
49) 1,4-Dioxane	6.85	88	4900	435.40	ug/l #	82
51) 4-Methyl-2-Pentanone	8.39	43	251752	113.94	ug/l	99
52) Toluene	7.75	92	129680	21.83	ug/l	91
53) t-1,3-Dichloropropene	8.40	75	99922	23.00	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	100272	21.25	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	51583	22.36	ug/l	94
56) Ethyl methacrylate	8.74	69	62216	21.77	ug/l	93
57) 1,3-Dichloropropane	8.98	76	86418	21.85	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.75	63	24950	116.43	ug/l	100
59) 2-Hexanone	9.61	43	212585	119.23	ug/l	100
60) Dibromochloromethane	8.85	129	79631	22.36	ug/l	96
61) 1,2-Dibromoethane	9.11	107	60527	21.64	ug/l	100
64) Tetrachloroethene	8.29	164	59984	23.10	ug/l	92
65) Chlorobenzene	9.92	112	169141	22.80	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	75967	23.68	ug/l	98
67) Ethyl Benzene	10.02	91	292832	23.27	ug/l	98
68) m/p-Xylenes	10.25	106	214291	47.84	ug/l	96
69) o-Xylene	10.81	106	110693	22.10	ug/l	92
70) Styrene	10.89	104	176114	23.08	ug/l	99
71) Bromoform	10.87	173	50160	22.81	ug/l	99
73) Isopropylbenzene	11.21	105	343782	22.90	ug/l	99
74) N-amyl acetate	11.45	43	123347	22.64	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	79813	21.05	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	61000	21.33	ug/l	100
77) Bromobenzene	11.58	156	90988	21.84	ug/l	94
78) n-propylbenzene	11.68	91	423248	23.47	ug/l	97
79) 2-Chlorotoluene	11.80	91	248301	22.54	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	296369	22.53	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.94	75	38319	22.51	ug/l	95
82) 4-Chlorotoluene	11.97	91	260367	22.07	ug/l	93
83) tert-Butylbenzene	12.20	119	318290	24.20	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	311228	22.47	ug/l	98
85) sec-Butylbenzene	12.38	105	404460	23.20	ug/l	99
86) p-Isopropyltoluene	12.53	119	328035	22.42	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	167538	21.76	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	169926	22.84	ug/l	99
89) n-Butylbenzene	12.91	91	355952	23.96	ug/l	97
90) Hexachloroethane	12.98	117	84059	23.05	ug/l	80
91) 1,2-Dichlorobenzene	13.01	146	172575	22.82	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17705	21.06	ug/l	61

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QLast Update : Tue Jun 26 08:45:17 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	132658	23.72	ug/l	95
94) Hexachlorobutadiene	14.25	225	77536	24.83	ug/l	97
95) Naphthalene	14.53	128	258640	22.11	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	122744	23.17	ug/l	95

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

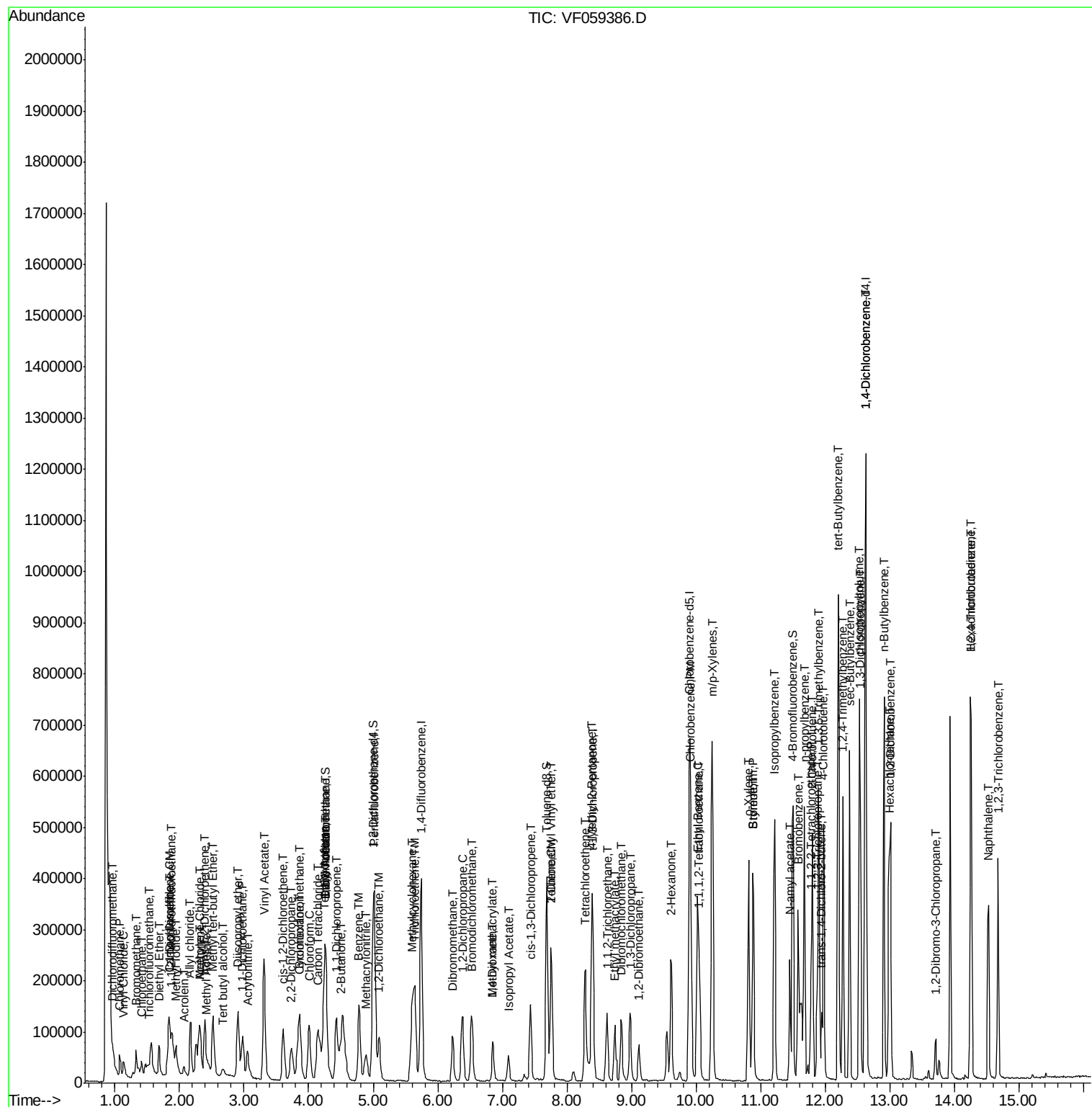
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF070218\
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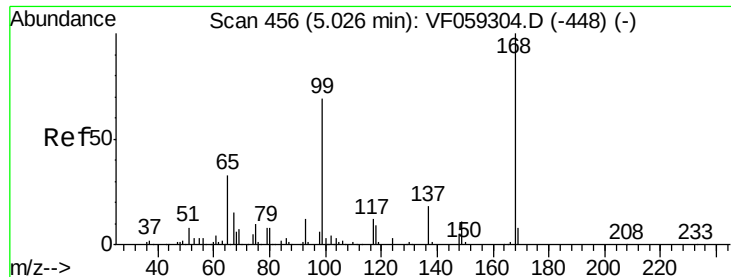
Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion:168 Resp: 268307

Ion Ratio Lower Upper

168 100

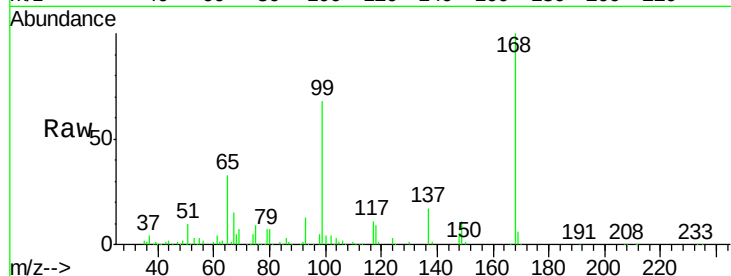
99 68.2 54.9 82.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

100000

80000

60000

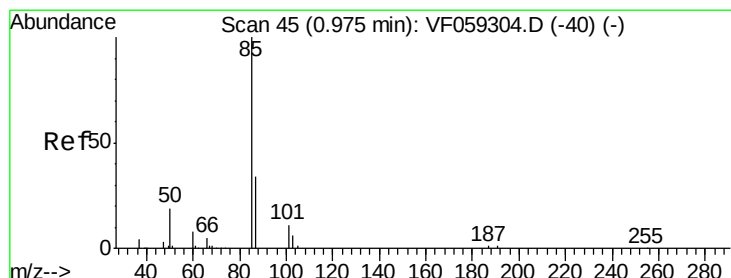
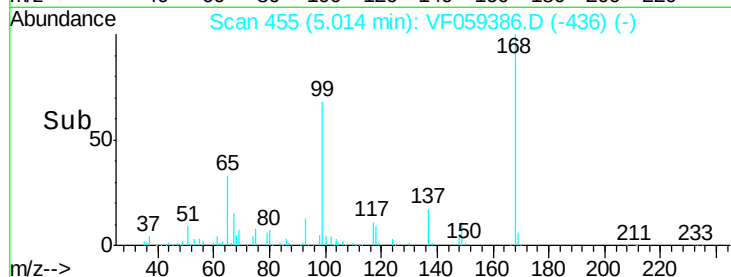
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 22.04 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059386.D

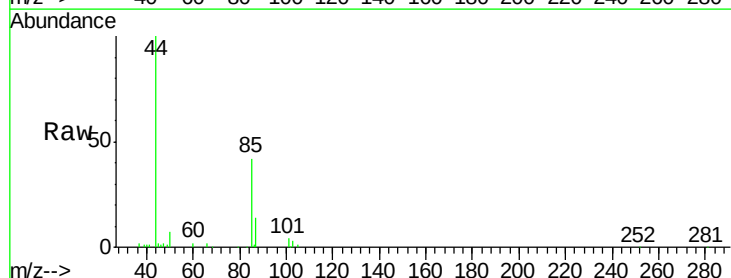
Acq: 2 Jul 2018 14:50

Tgt Ion: 85 Resp: 54027

Ion Ratio Lower Upper

85 100

87 33.2 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

15000

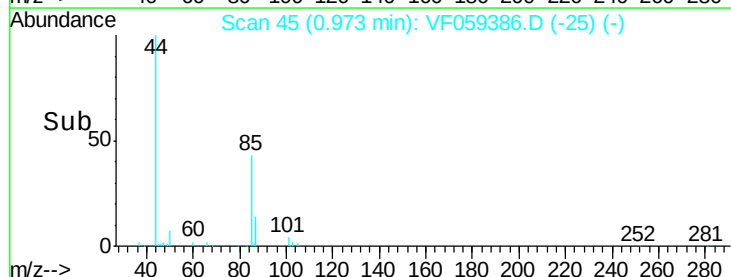
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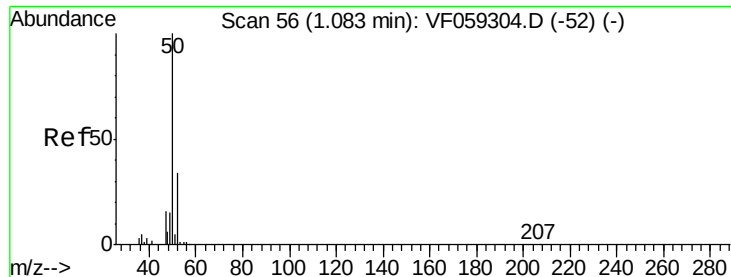
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 20.69 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion: 50 Resp: 34073

Ion Ratio Lower Upper

50 100

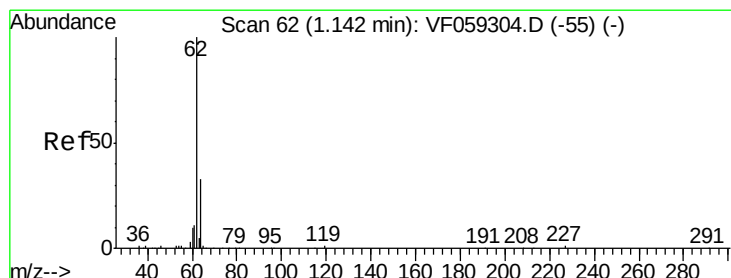
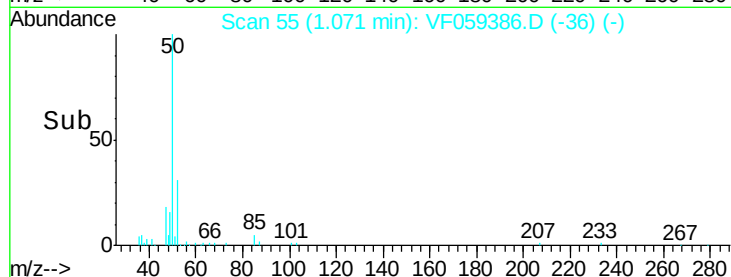
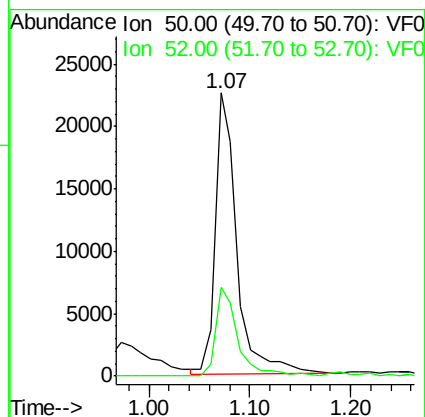
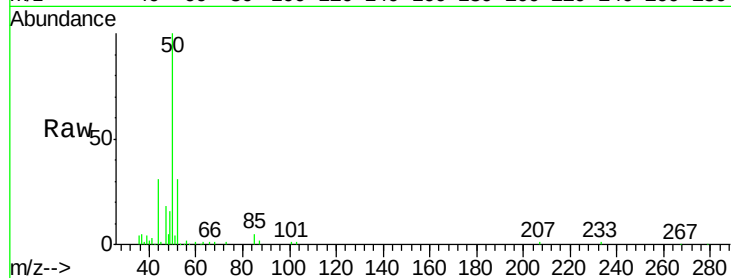
52 31.2 26.7 40.1

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#4

Vinyl Chloride

Concen: 22.69 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059386.D

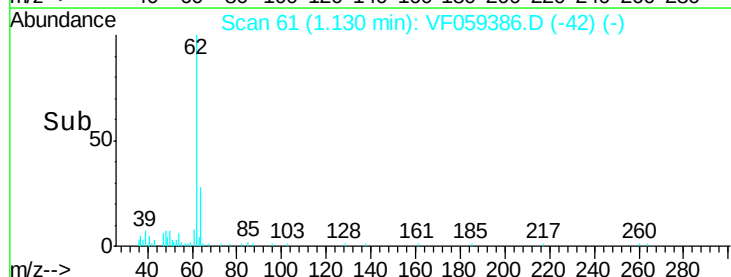
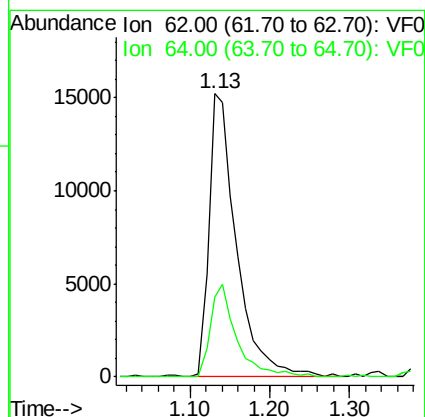
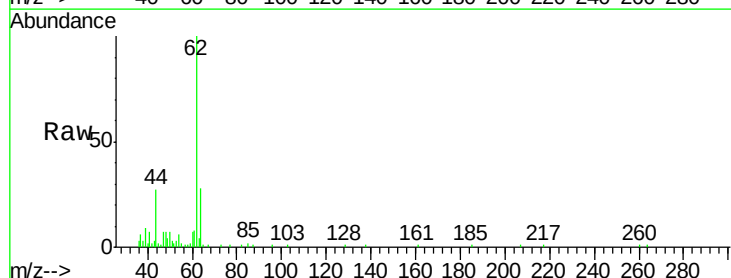
Acq: 2 Jul 2018 14:50

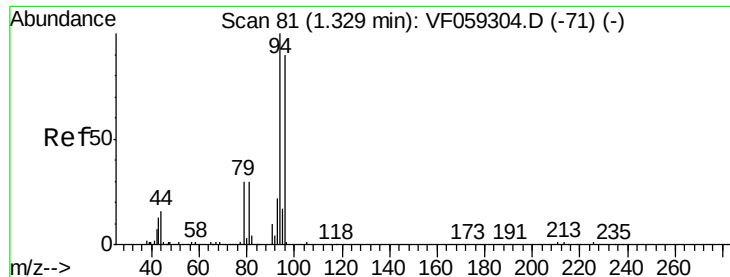
Tgt Ion: 62 Resp: 36788

Ion Ratio Lower Upper

62 100

64 28.3 26.3 39.5





#5

Bromomethane

Concen: 21.40 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion: 94 Resp: 21949

Ion Ratio Lower Upper

94 100

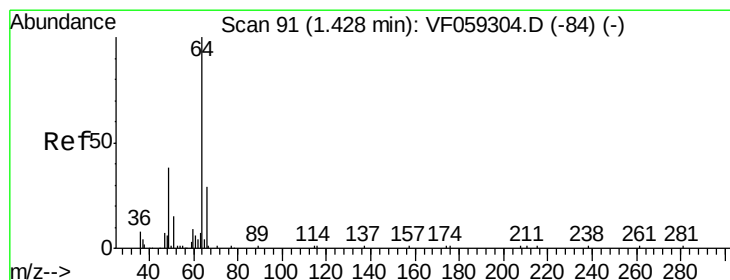
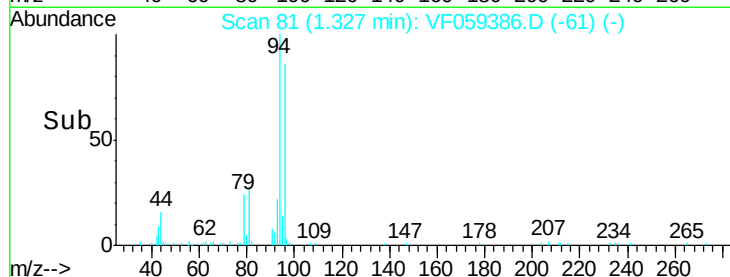
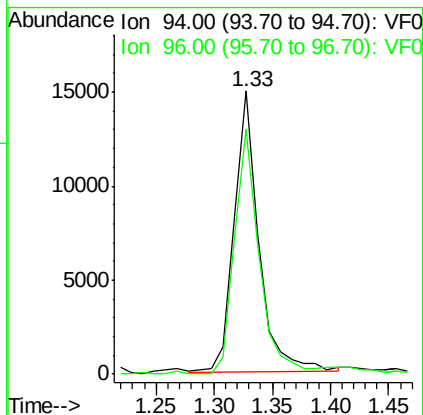
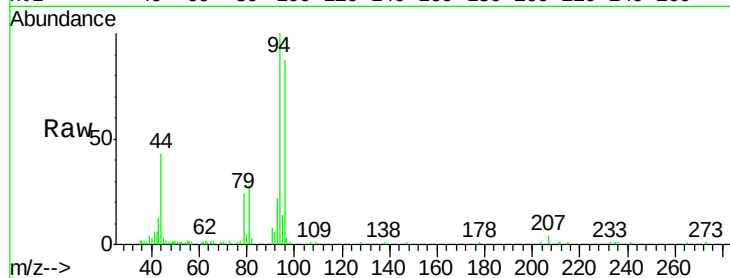
96 86.5 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 19.71 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059386.D

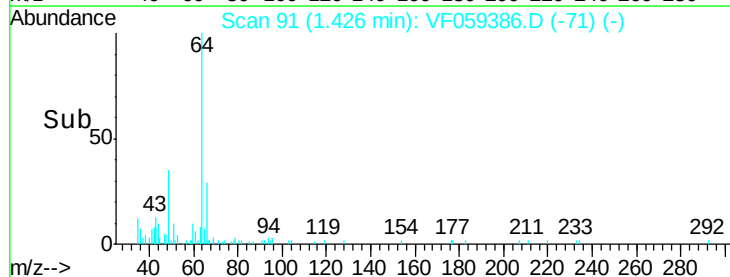
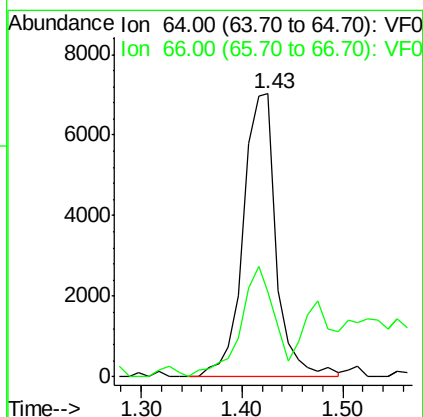
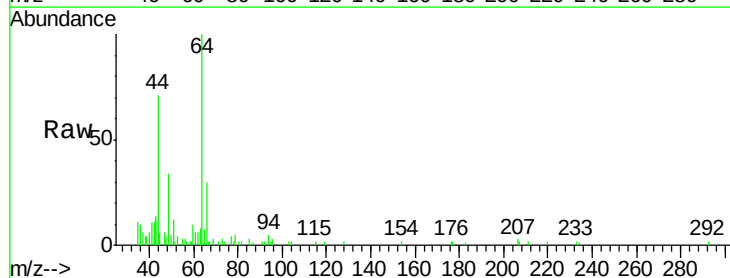
Acq: 2 Jul 2018 14:50

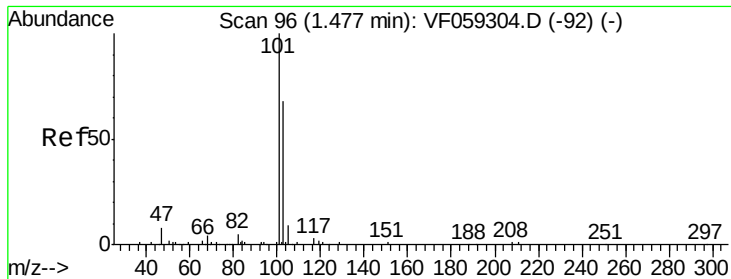
Tgt Ion: 64 Resp: 16090

Ion Ratio Lower Upper

64 100

66 29.8 23.9 35.9





#7

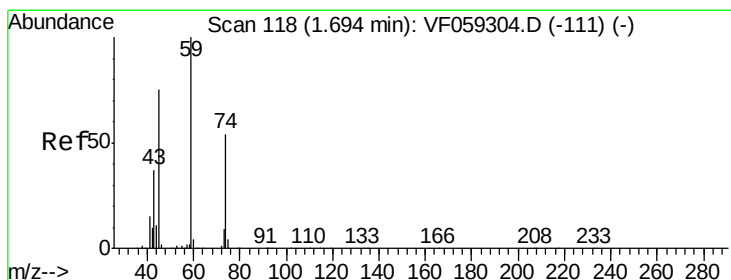
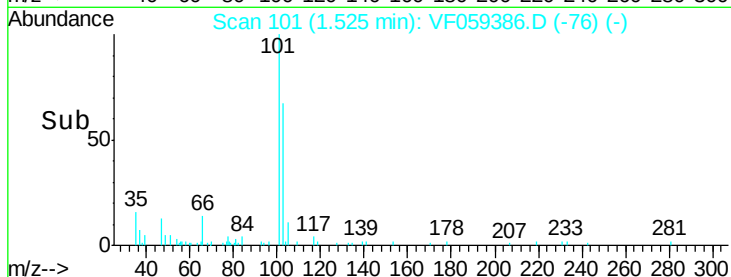
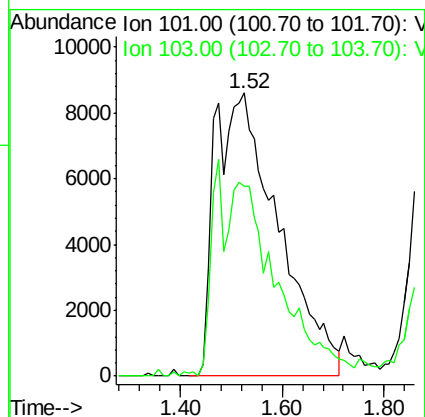
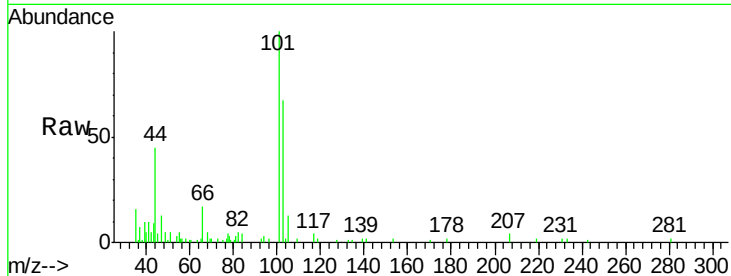
Trichlorofluoromethane
 Concen: 23.11 ug/l m
 RT: 1.52 min Scan# 101
 Delta R.T. 0.05 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Instrument :
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 ClientSampleId :
 VF0702SBSD01

Tot Ion:101 Resp: 74087
 Ion Ratio Lower Upper
 101 100
 103 67.1 54.2 81.2

Manual Integrations
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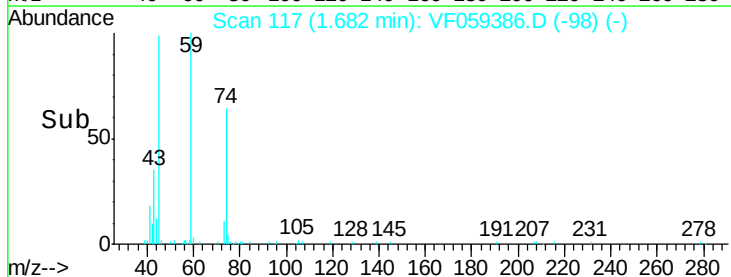
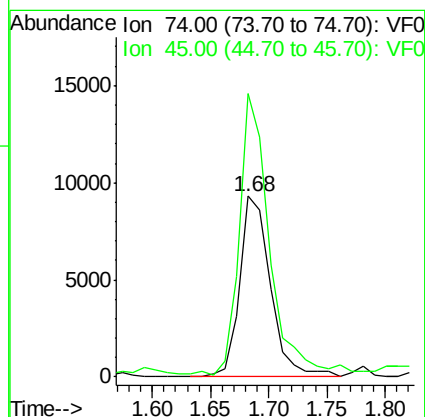
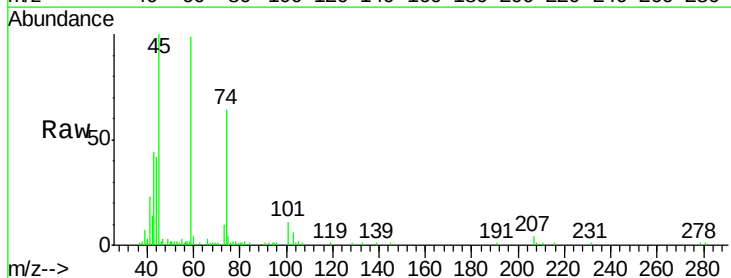
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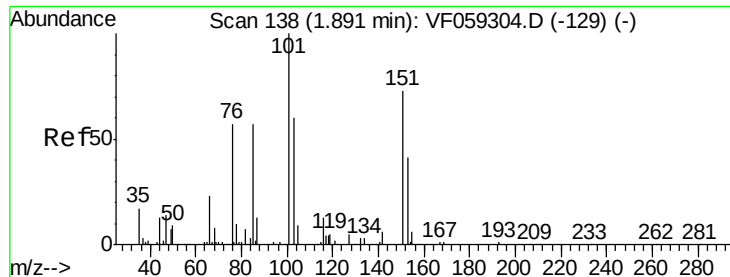


#8

Diethyl Ether
 Concen: 20.85 ug/l
 RT: 1.68 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion: 74 Resp: 17140
 Ion Ratio Lower Upper
 74 100
 45 156.7 70.0 210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.89 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

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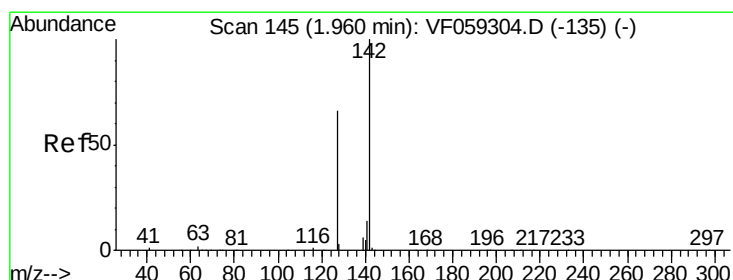
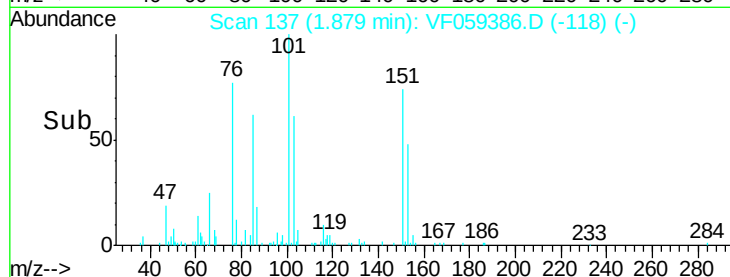
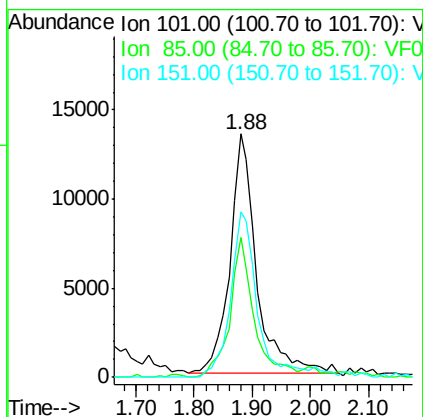
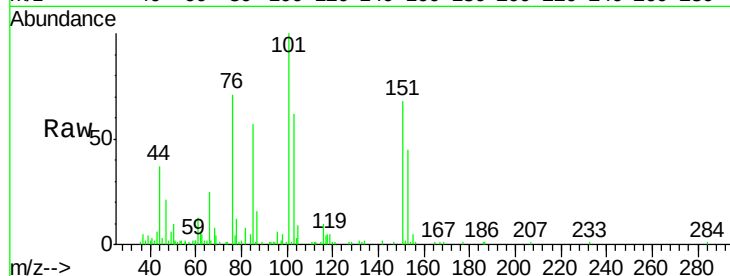
ClientSampleId :

VF0702SBSD01

Tot Ion:	101	Resp:	42826
Ion Ratio	Lower	Upper	
101	100		
85	57.3	44.5	66.7
151	68.1	56.8	85.2

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#10

Methyl Iodide

Concen: 20.03 ug/l

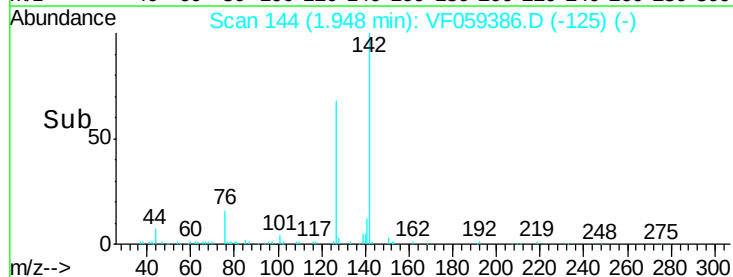
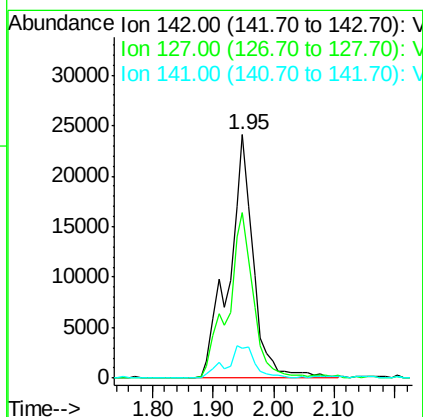
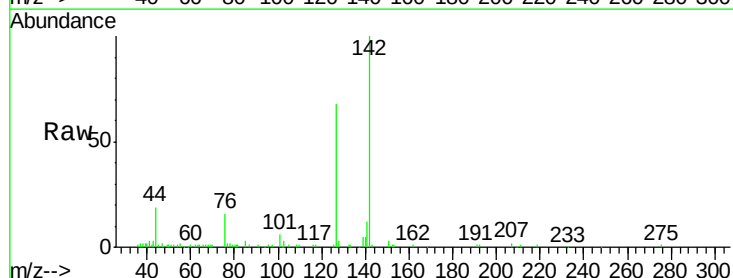
RT: 1.95 min Scan# 144

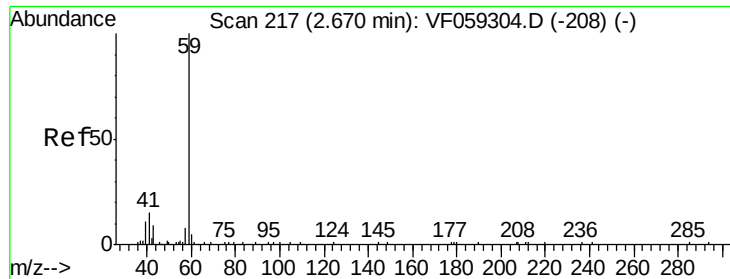
Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Tgt Ion:	142	Resp:	68337
Ion Ratio	Lower	Upper	
142	100		
127	68.1	52.5	78.7
141	12.3	11.5	17.3





#11

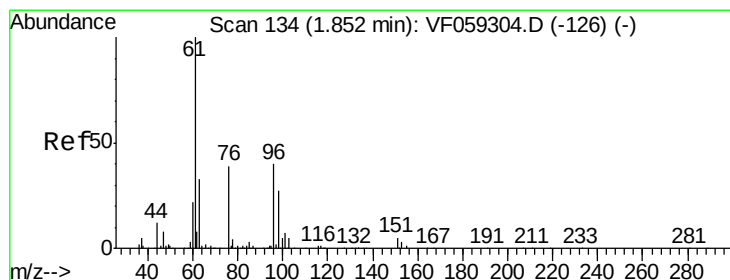
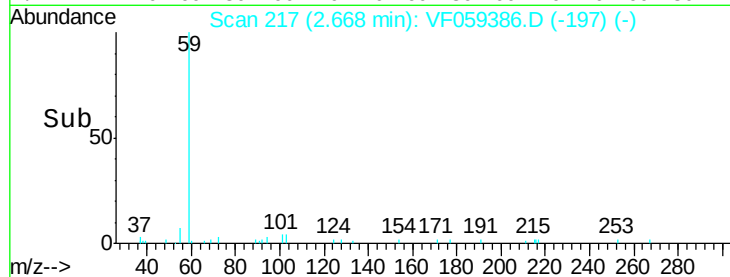
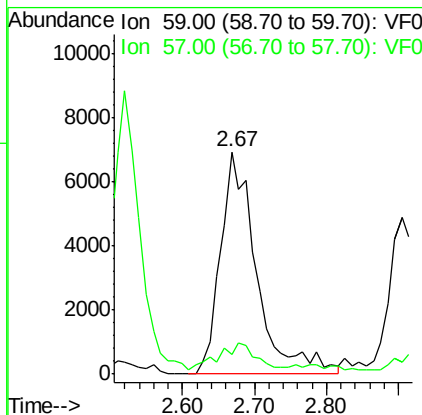
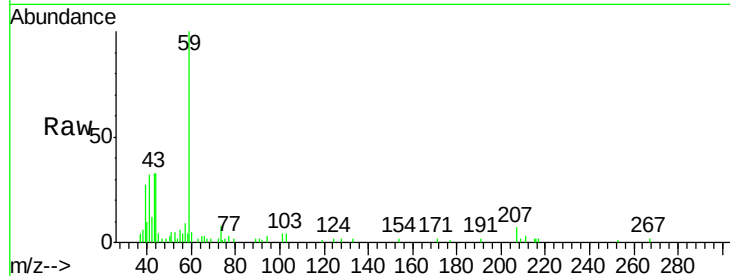
Tert butyl alcohol
Concen: 104.23 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	11.0	16.4#

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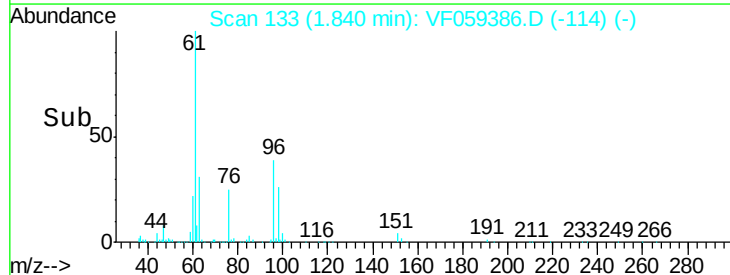
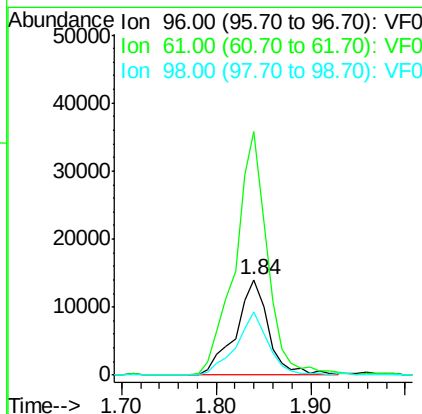
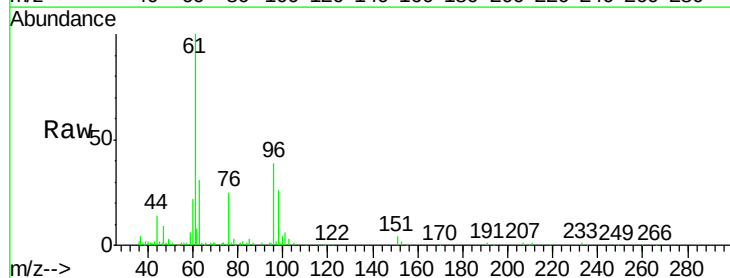
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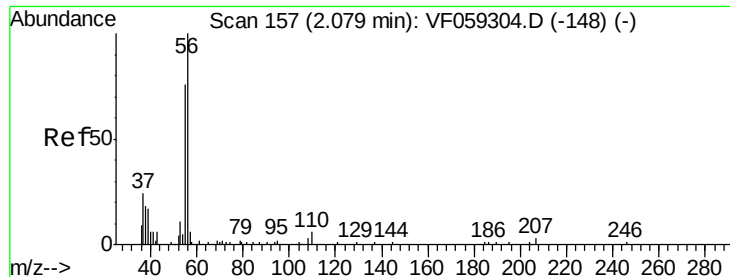


#12

1,1-Dichloroethene
Concen: 21.38 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	254.3	201.1	301.7
98	66.0	53.9	80.9





#13

Acrolein

Concen: 101.26 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion: 56 Resp: 12408

Ion Ratio Lower Upper

56 100

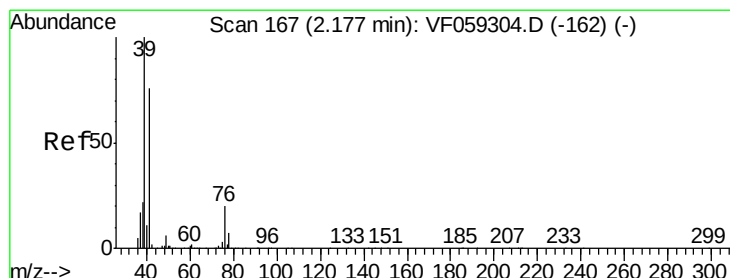
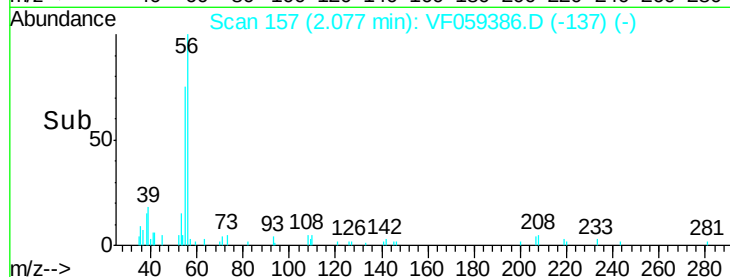
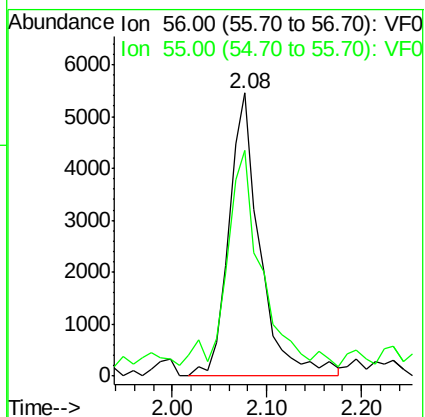
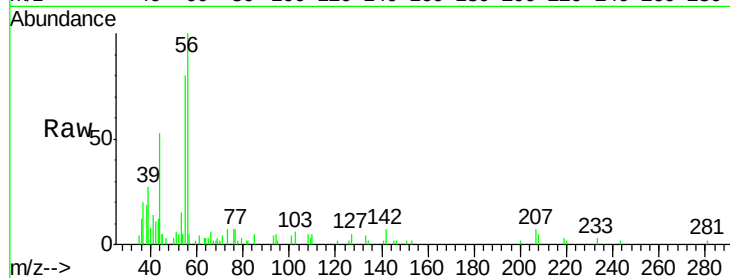
55 79.6 62.4 93.6

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#14

Allyl chloride

Concen: 22.95 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

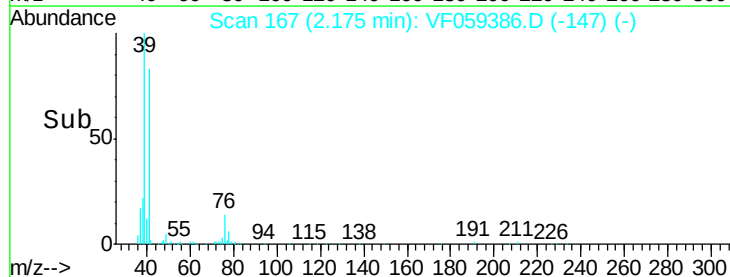
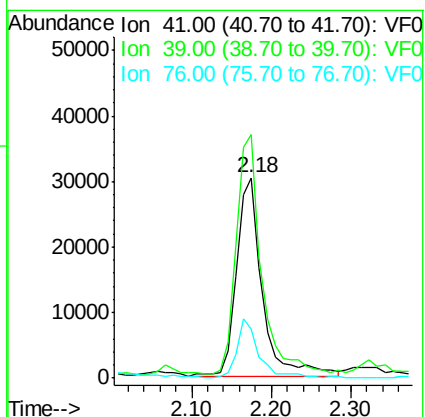
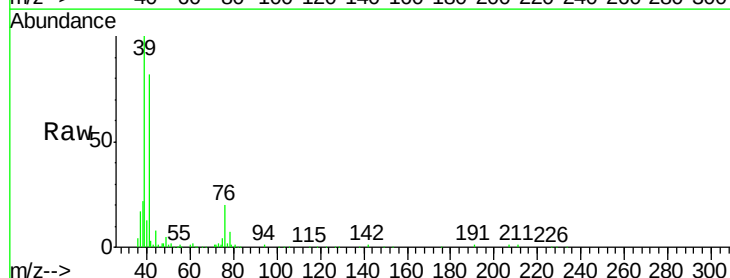
Tgt Ion: 41 Resp: 68143

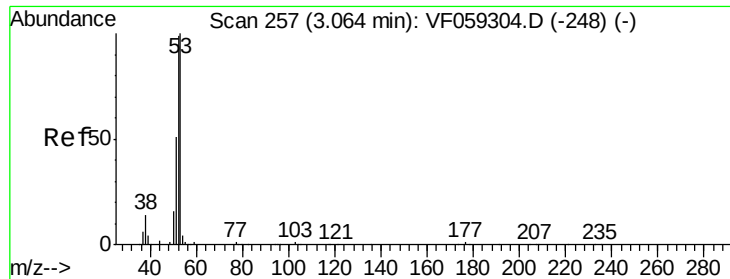
Ion Ratio Lower Upper

41 100

39 121.5 105.6 158.4

76 24.4 21.6 32.4





#15

Acrylonitrile

Concen: 105.76 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

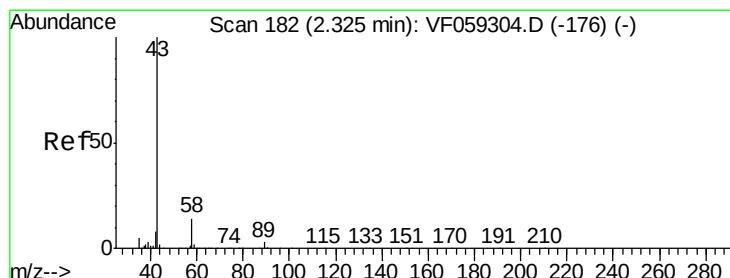
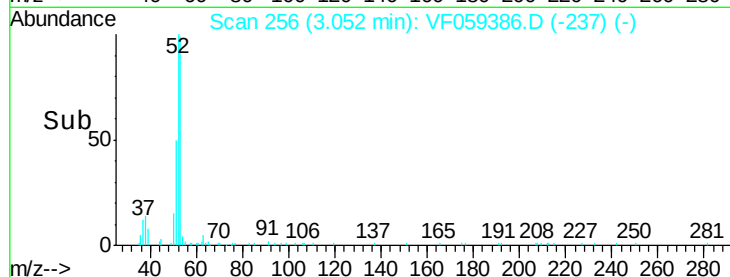
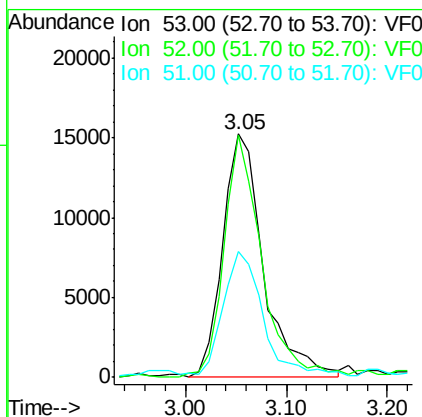
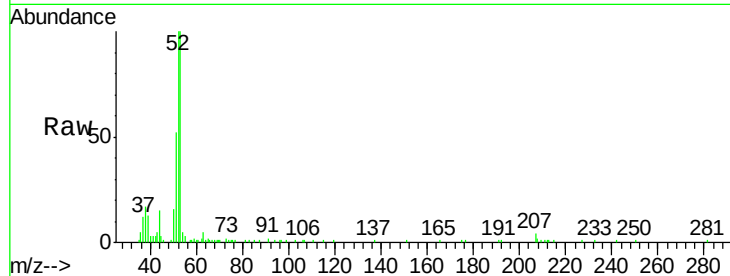
ClientSampleId :

VF0702SBSD01

Tot Ion:	53	Resp:	42980
Ion	Ratio	Lower	Upper
53	100		
52	99.7	79.2	118.8
51	51.5	40.9	61.3

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#16

Acetone

Concen: 114.14 ug/l

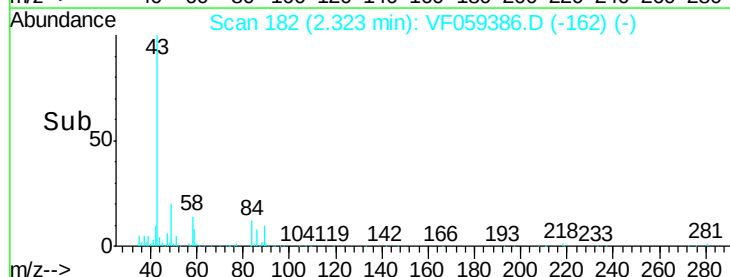
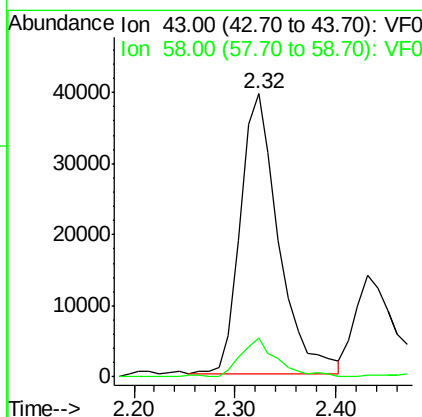
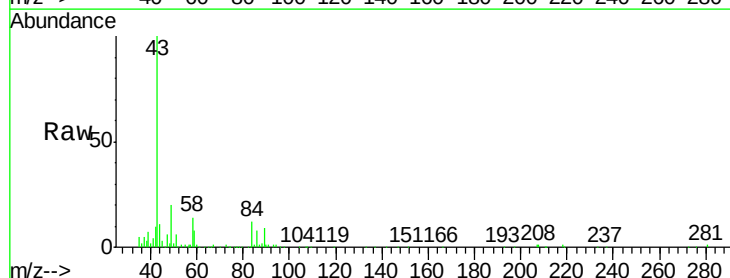
RT: 2.32 min Scan# 182

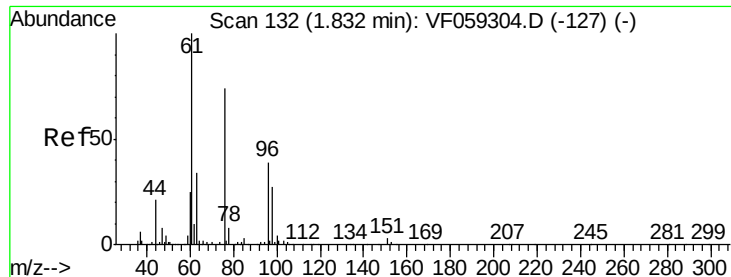
Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Tgt Ion:	43	Resp:	103617
Ion	Ratio	Lower	Upper
43	100		
58	13.8	11.4	17.0





#17

Carbon Disulfide

Concen: 20.84 ug/l m

RT: 1.85 min Scan# 134

Delta R.T. 0.02 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion: 76 Resp: 77529

Ion Ratio Lower Upper

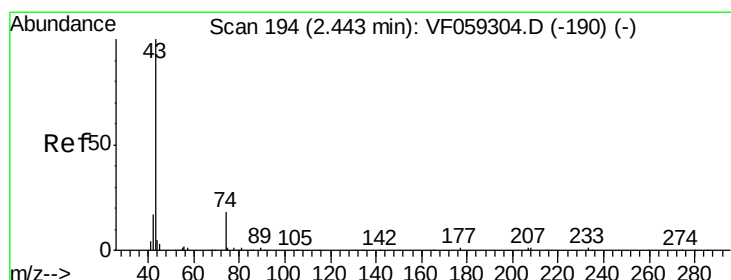
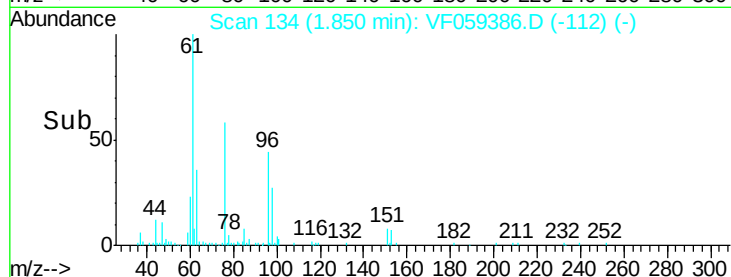
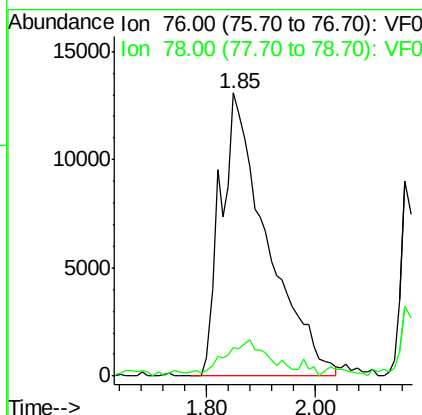
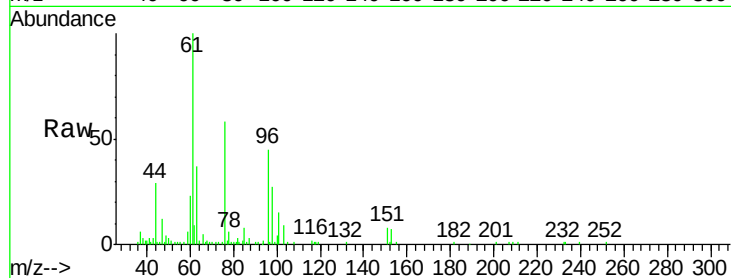
76 100

78 10.2 8.9 13.3

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#18

Methyl Acetate

Concen: 21.07 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059386.D

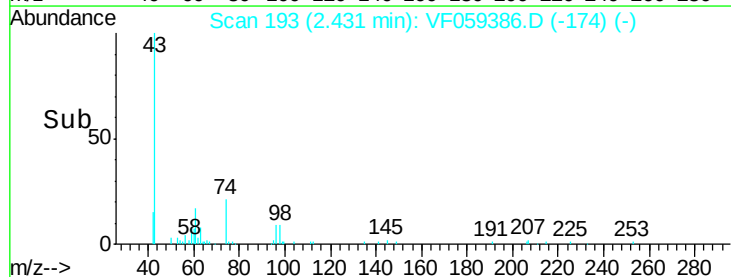
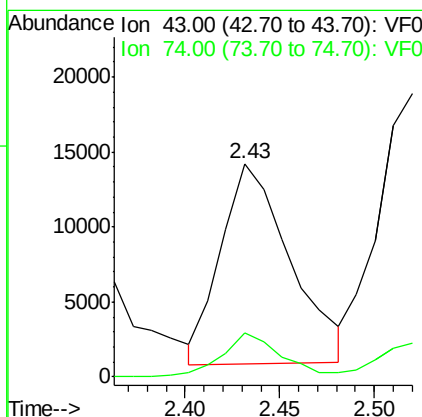
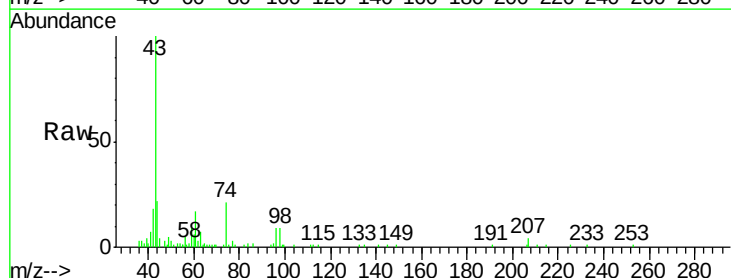
Acq: 2 Jul 2018 14:50

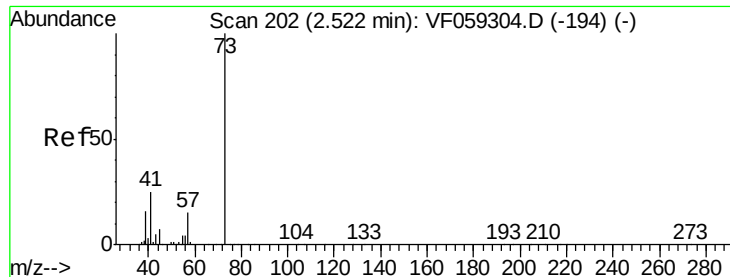
Tgt Ion: 43 Resp: 34020

Ion Ratio Lower Upper

43 100

74 20.8 13.3 19.9#





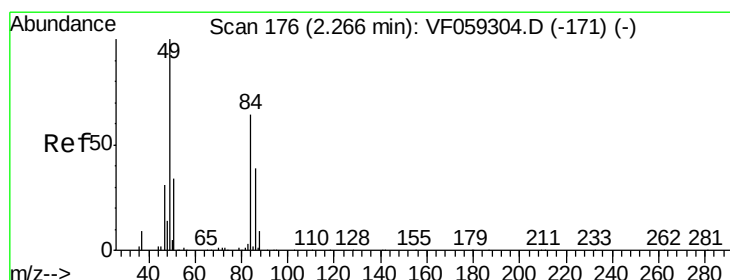
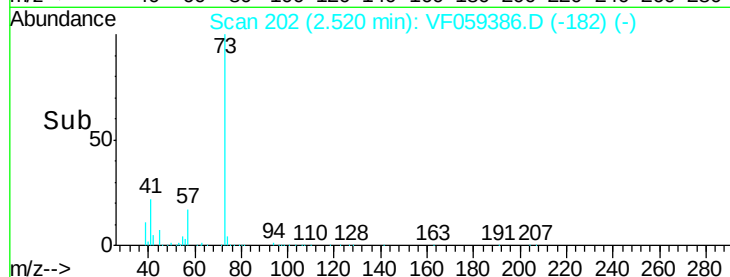
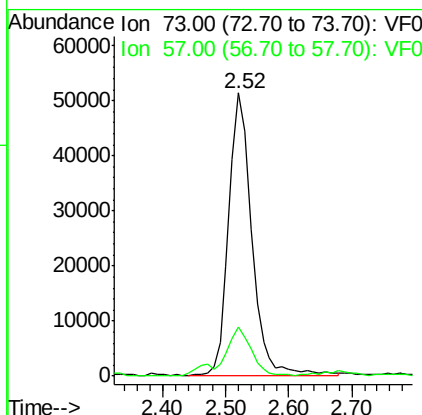
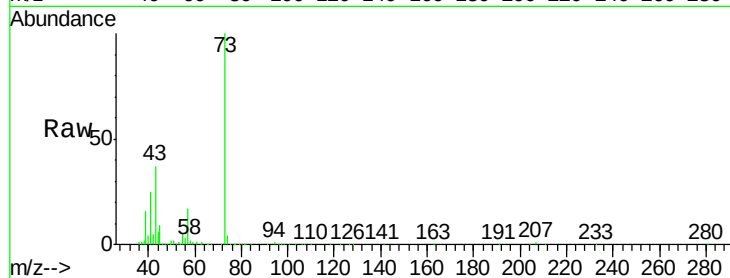
#19
Methyl tert-butyl Ether
Concen: 22.09 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion: 73 Resp: 130326
Ion Ratio Lower Upper
73 100
57 17.2 12.3 18.5

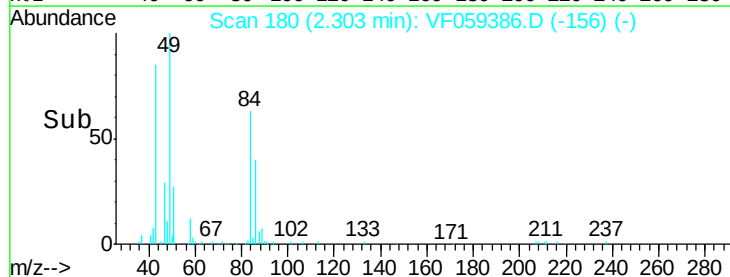
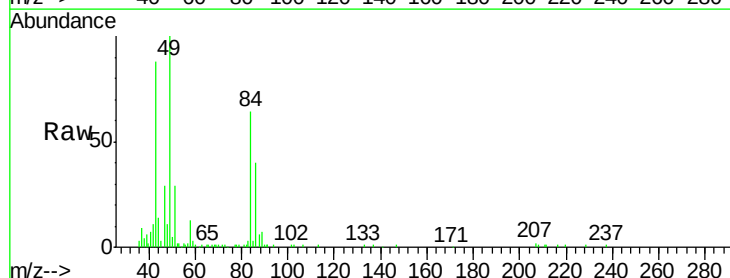
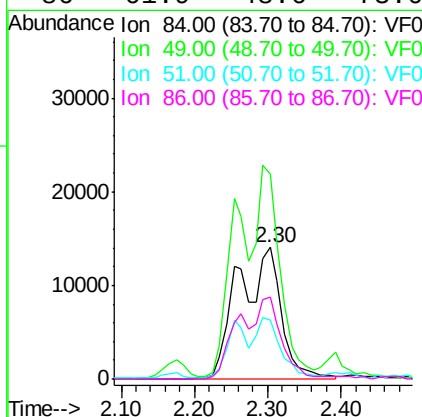
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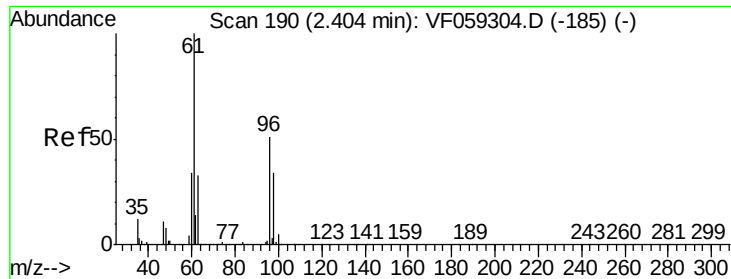
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#20
Methylene Chloride
Concen: 26.16 ug/l m
RT: 2.30 min Scan# 180
Delta R.T. 0.04 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion: 84 Resp: 57703
Ion Ratio Lower Upper
84 100
49 155.5 126.5 189.7
51 44.7 42.9 64.3
86 61.9 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 21.13 ug/l

RT: 2.39 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

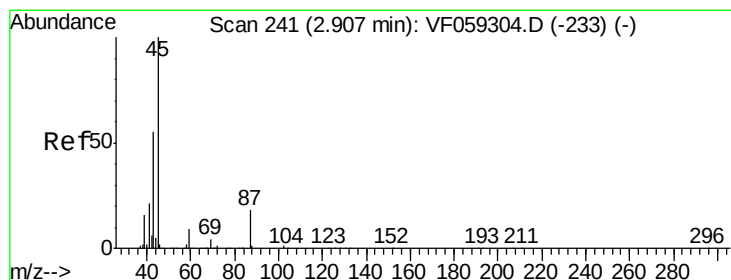
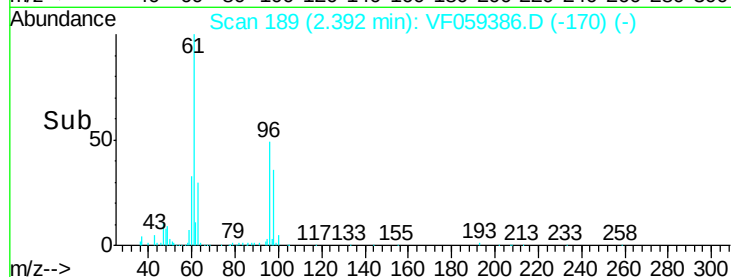
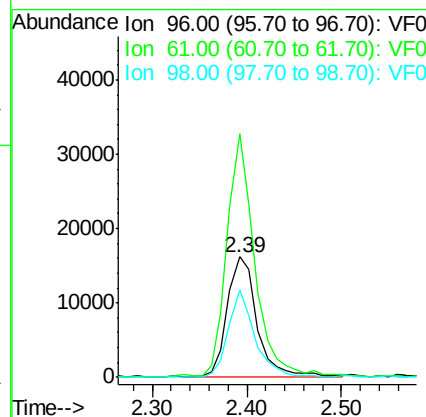
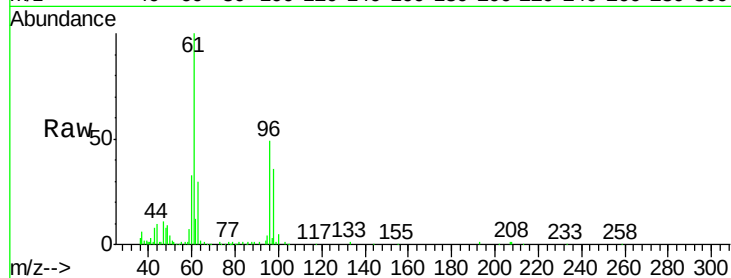
ClientSampleId :

VF0702SBSD01

Tot Ion:	96	Resp:	35654
Ion	Ratio	Lower	Upper
96	100		
61	202.5	157.4	236.2
98	72.5	53.7	80.5

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#22

Diisopropyl ether

Concen: 22.74 ug/l

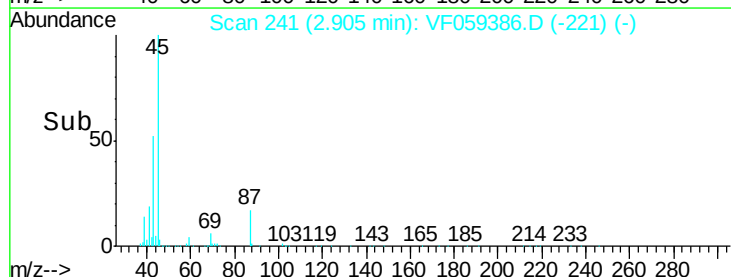
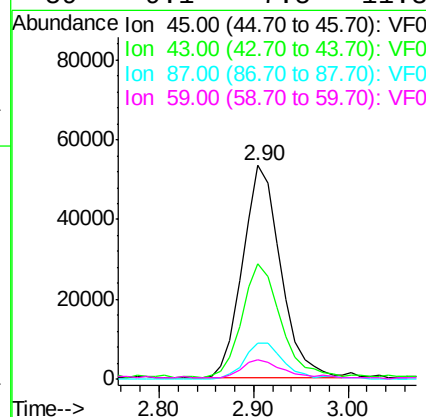
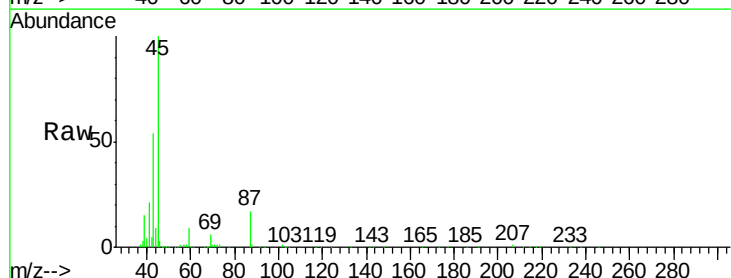
RT: 2.90 min Scan# 241

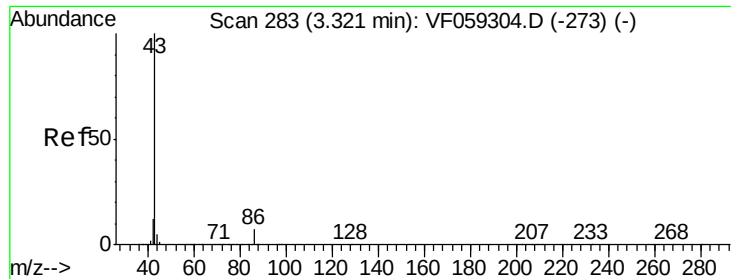
Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Tgt Ion:	45	Resp:	149495
Ion	Ratio	Lower	Upper
45	100		
43	53.7	44.6	66.8
87	17.0	14.3	21.5
59	9.1	7.5	11.3





#23

Vinyl Acetate

Concen: 114.98 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion: 43 Resp: 481500

Ion Ratio Lower Upper

43 100

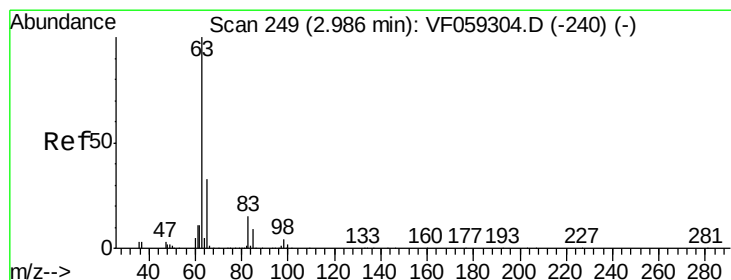
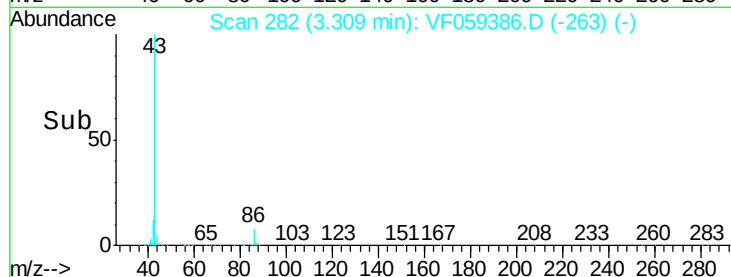
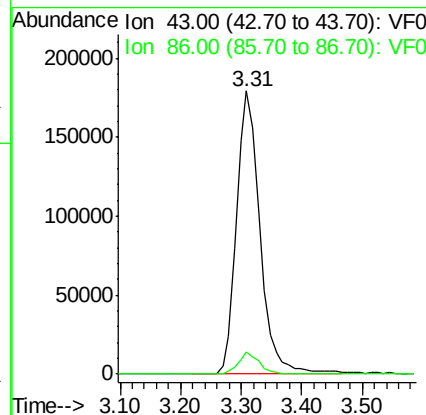
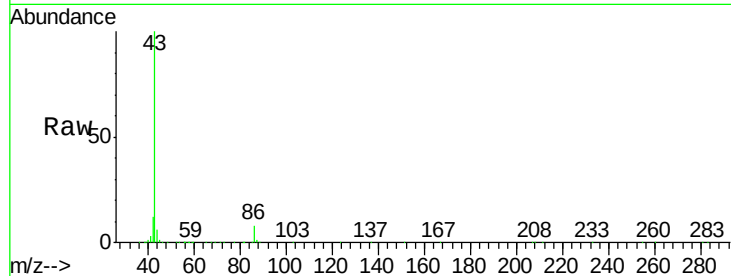
86 7.9 5.8 8.6

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#24

1,1-Dichloroethane

Concen: 22.30 ug/l

RT: 2.97 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

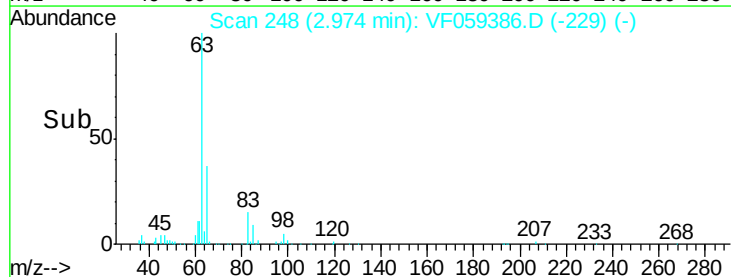
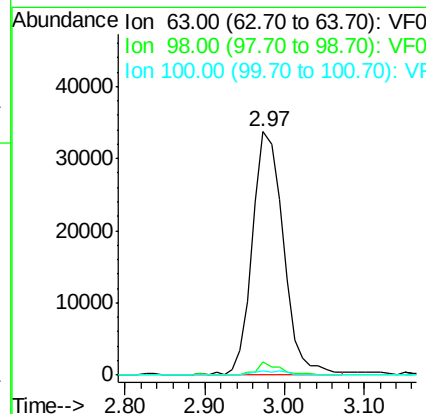
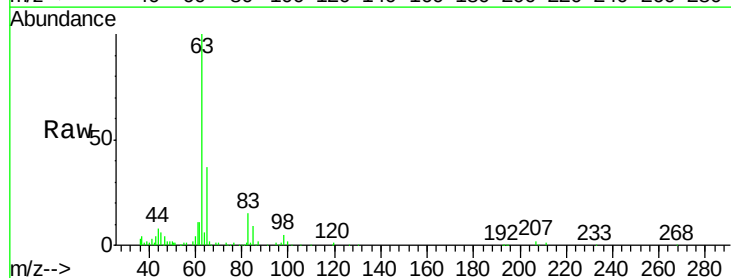
Tgt Ion: 63 Resp: 90933

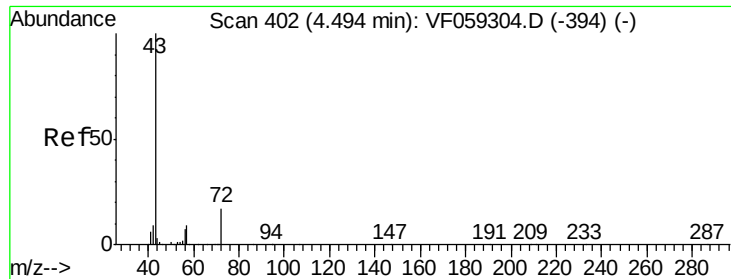
Ion Ratio Lower Upper

63 100

98 5.2 2.0 6.0

100 2.0 1.3 3.9





#25

2-Butanone

Concen: 115.95 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion: 43 Resp: 123134

Ion Ratio Lower Upper

43 100

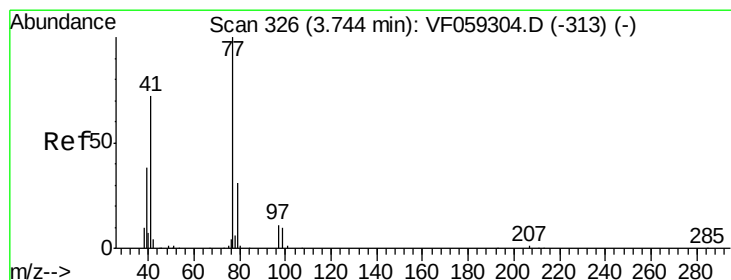
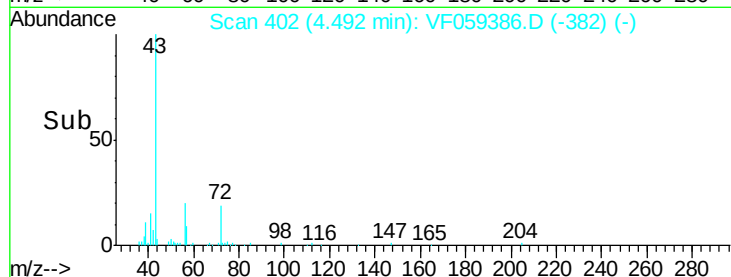
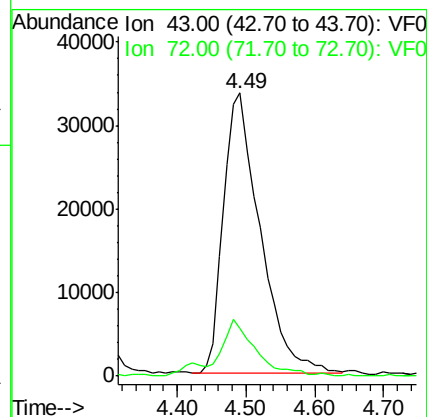
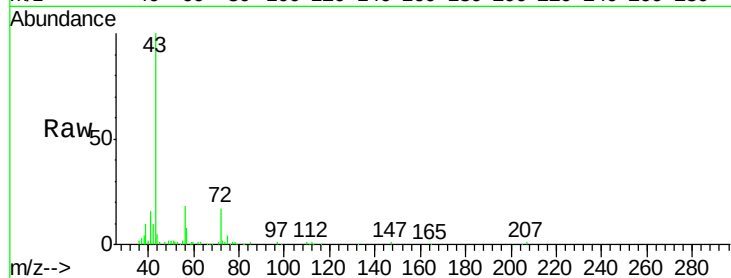
72 17.1 14.4 21.6

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#26

2,2-Dichloropropane

Concen: 23.56 ug/l

RT: 3.73 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059386.D

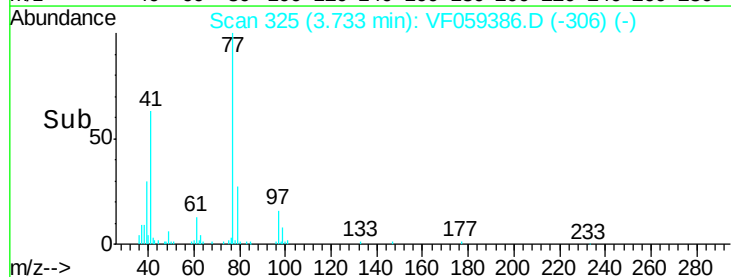
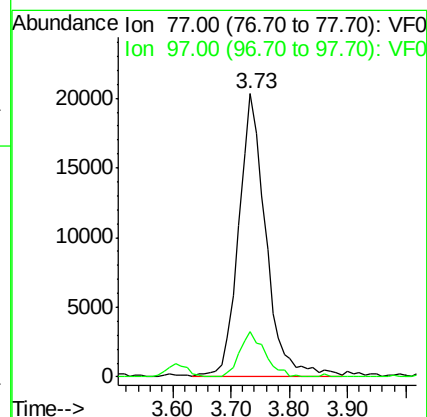
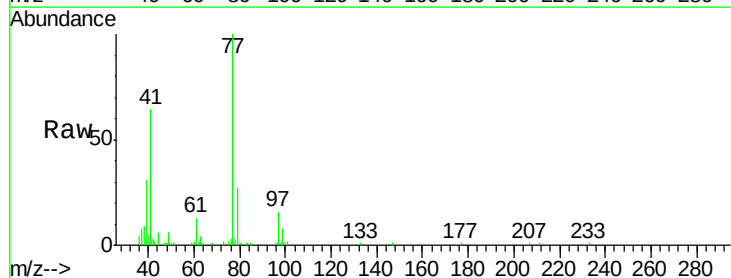
Acq: 2 Jul 2018 14:50

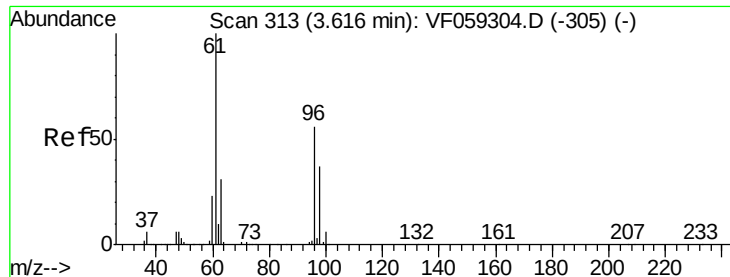
Tgt Ion: 77 Resp: 66235

Ion Ratio Lower Upper

77 100

97 16.1 8.0 23.8





#27

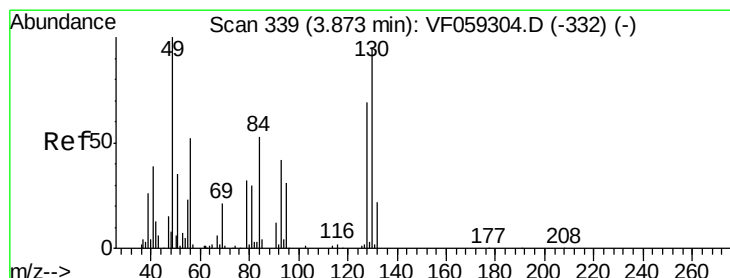
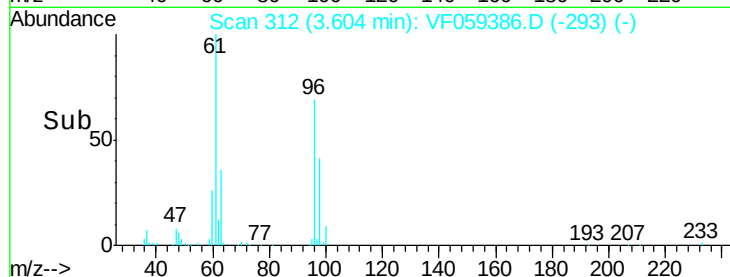
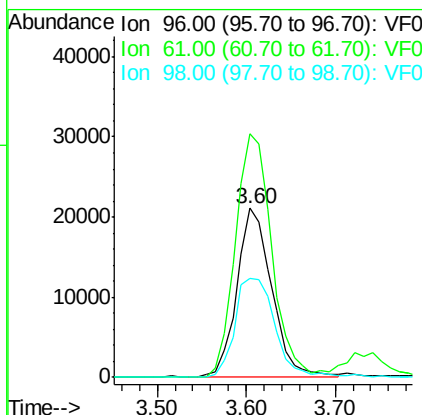
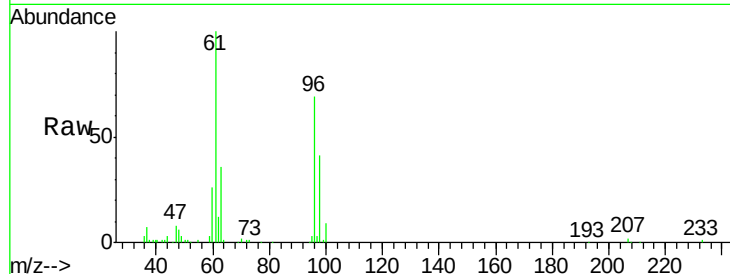
cis-1,2-Dichloroethene
Concen: 22.49 ug/l
RT: 3.60 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	57616		
61	144.2	0.0	355.4	
98	58.8	0.0	131.0	

Manual Integrations
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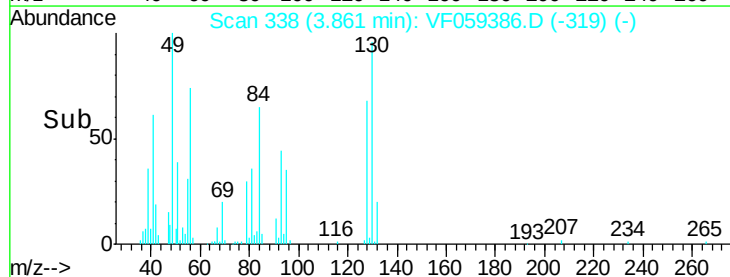
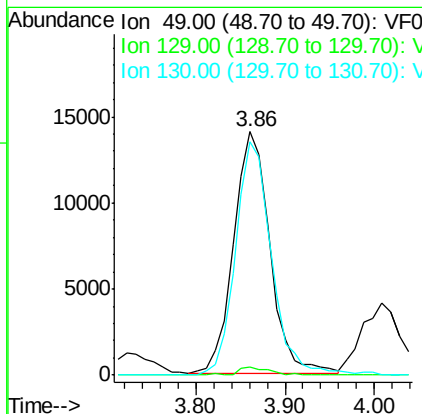
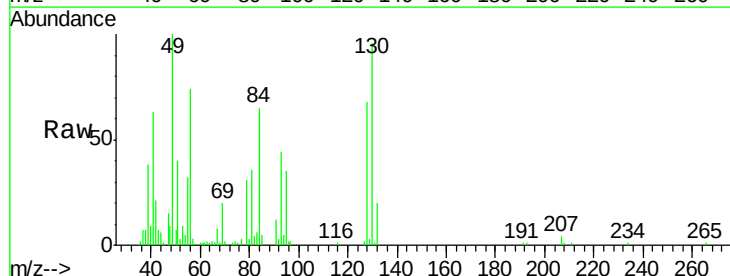
apatel
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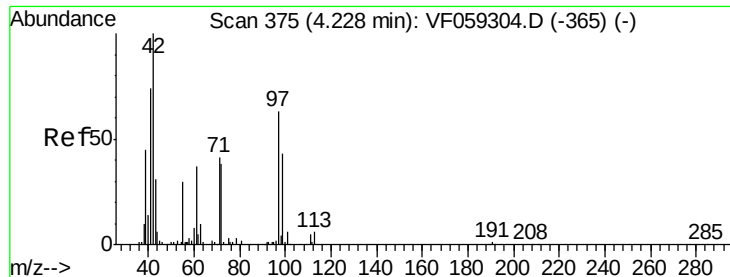


#28

Bromochloromethane
Concen: 23.14 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	39796		
129	3.4	0.0	6.4	
130	95.7	75.1	112.7	





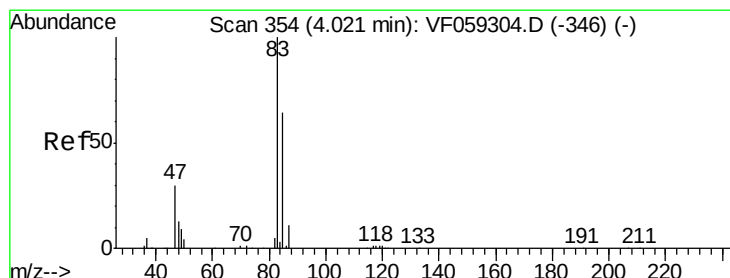
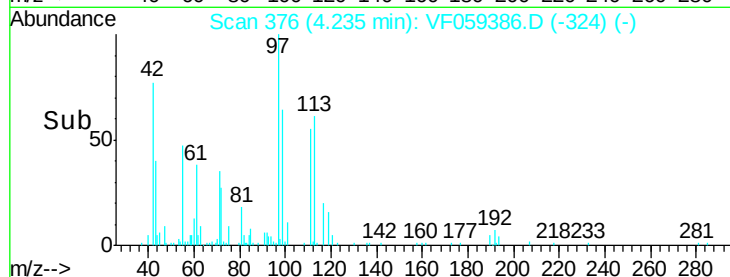
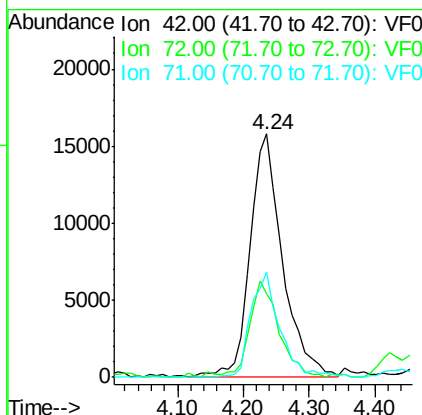
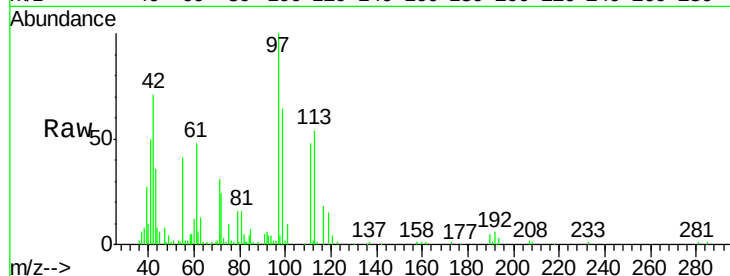
#29
Tetrahydrofuran
Concen: 118.13 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	30.5	45.7
71	38.7	32.5	48.7

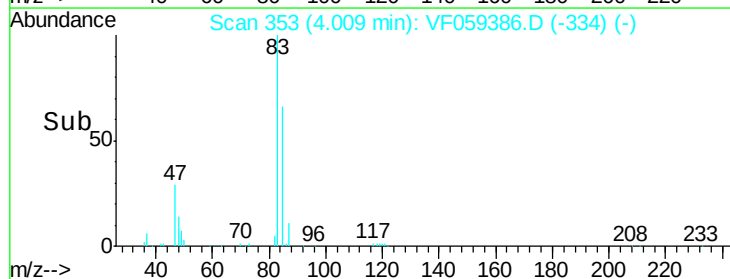
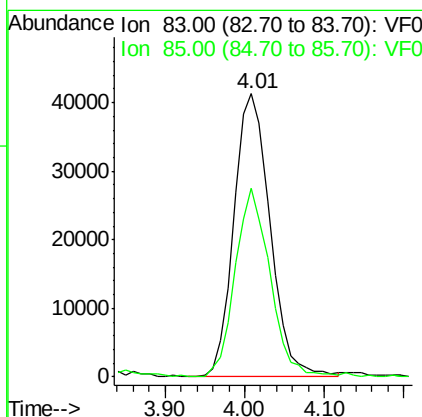
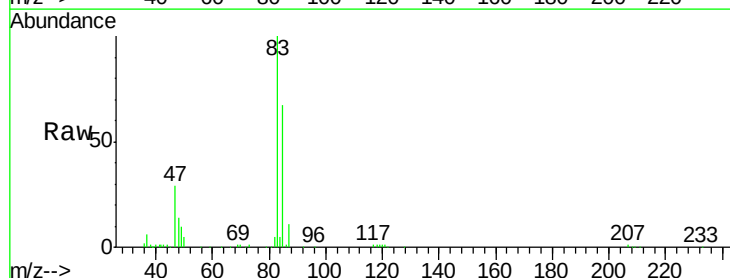
Manual Integrations
APPROVED

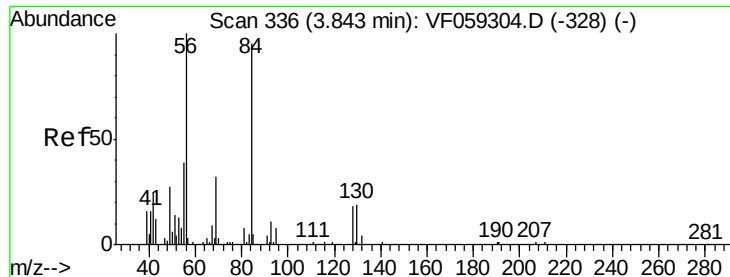
apatel
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#30
Chloroform
Concen: 22.11 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.3	76.9





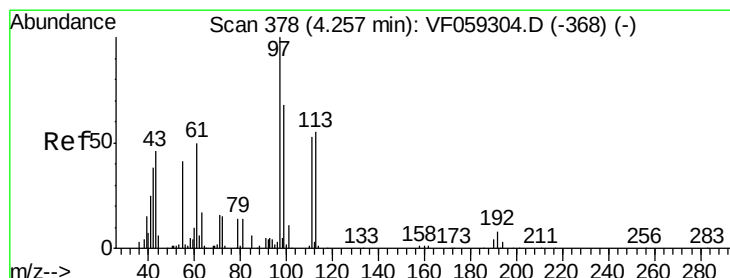
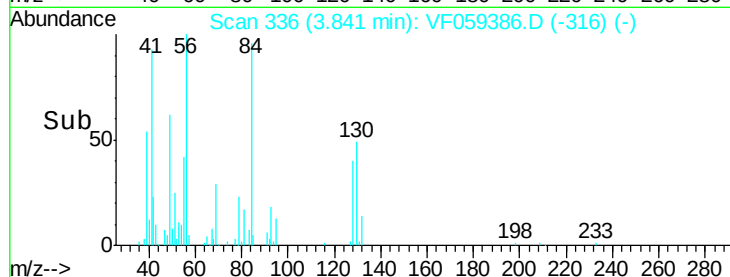
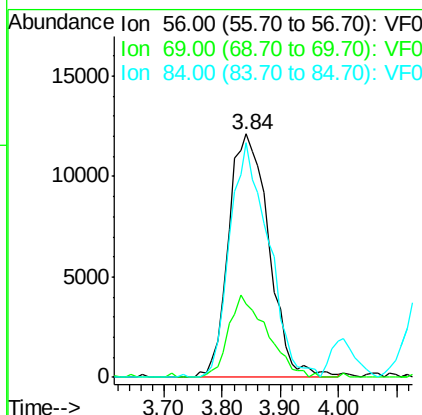
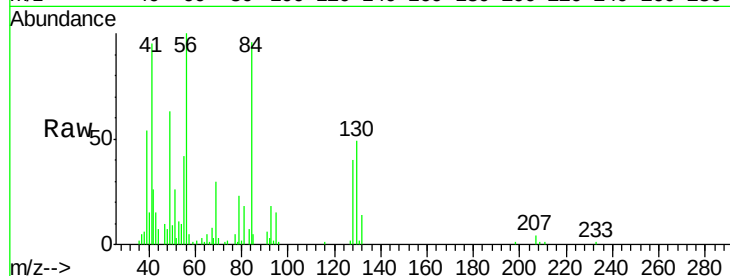
#31
Cyclohexane
Concen: 21.87 ug/l
RT: 3.84 min Scan# 336
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.8	38.8
84	96.2	75.6	113.4

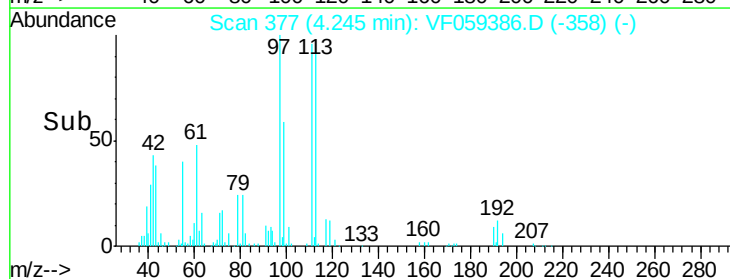
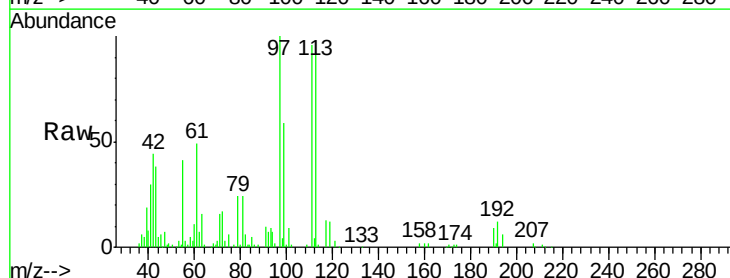
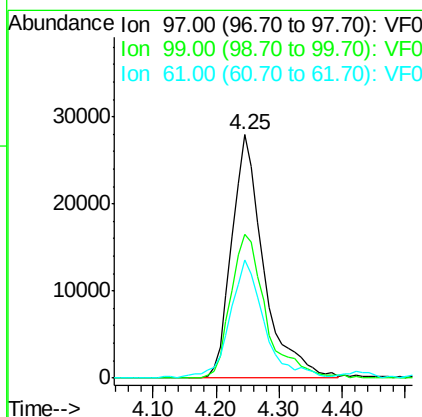
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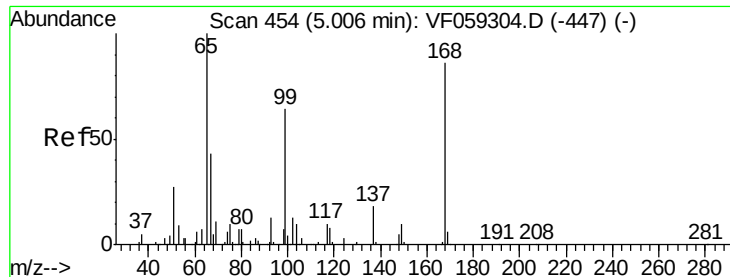
apatel
7/3/2018 10:34:38 AM



#32
1,1,1-Trichloroethane
Concen: 22.76 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.1	54.1	81.1
61	48.6	41.2	61.8





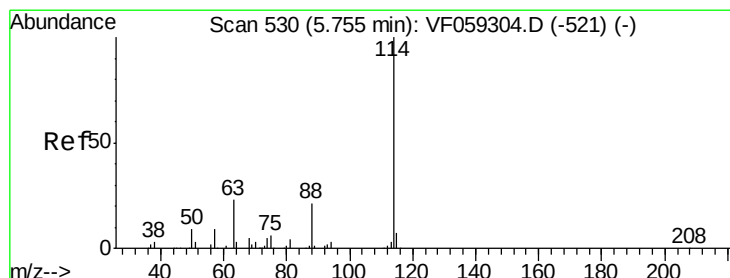
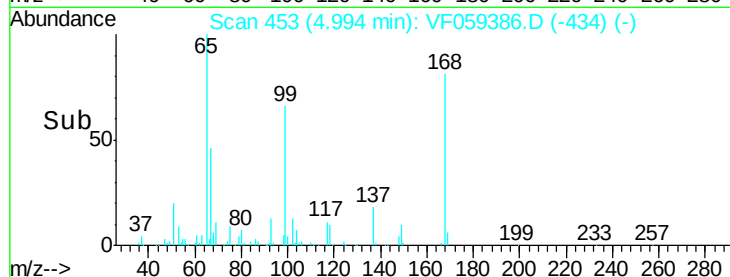
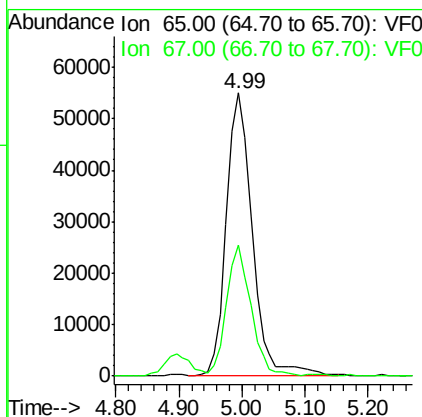
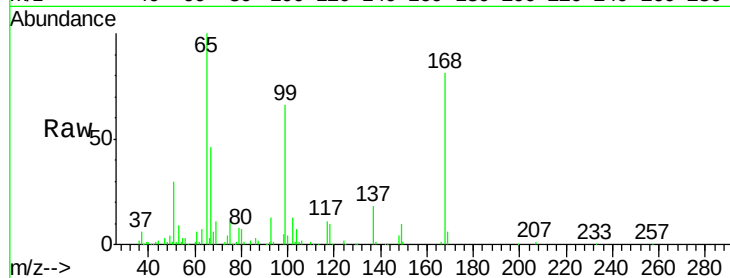
#33
 1,2-Dichloroethane-d4
 Concen: 45.46 ug/l
 RT: 4.99 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157603		
67	46.3	0.0	96.8	

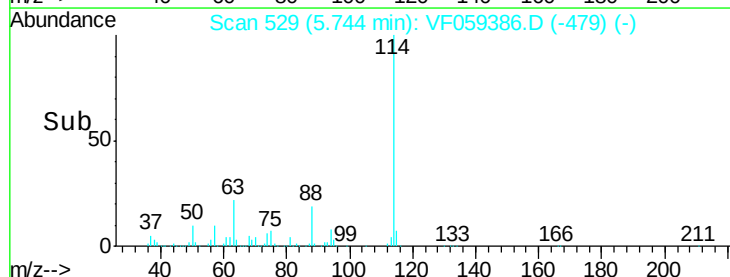
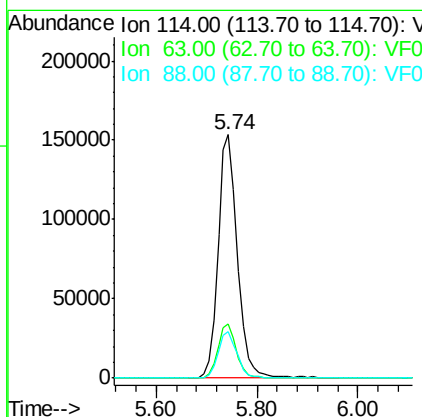
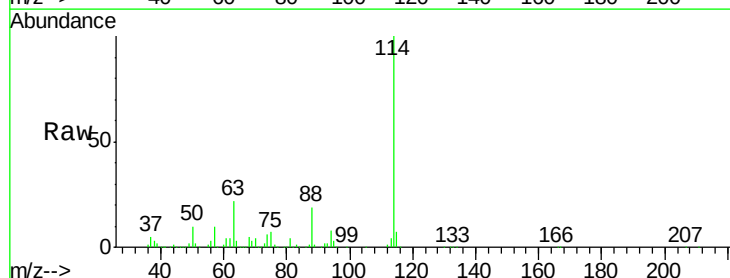
Manual Integrations
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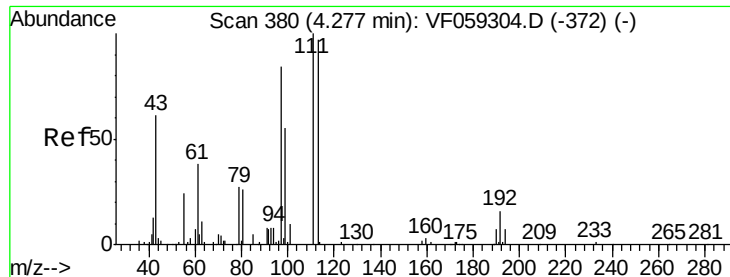
apatel
 7/3/2018 10:34:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	409883		
63	22.3	0.0	45.8	
88	18.9	0.0	41.2	





#35

Dibromofluoromethane

Concen: 44.39 ug/l

RT: 4.26 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

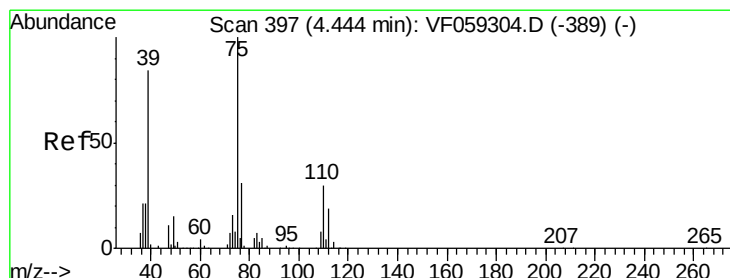
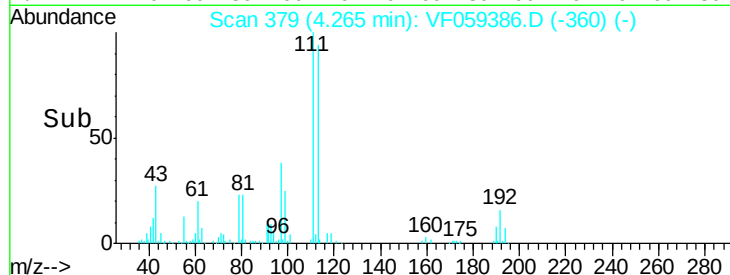
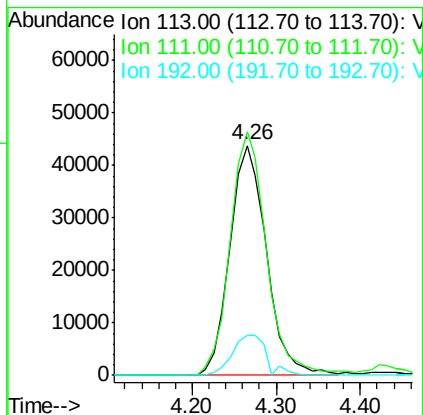
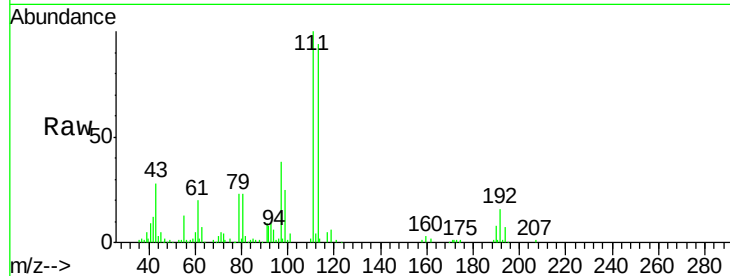
ClientSampleId :

VF0702SBSD01

Tot Ion:	113	Resp:	132929
Ion	Ratio	Lower	Upper
113	100		
111	106.0	82.1	123.1
192	17.2	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.39 ug/l

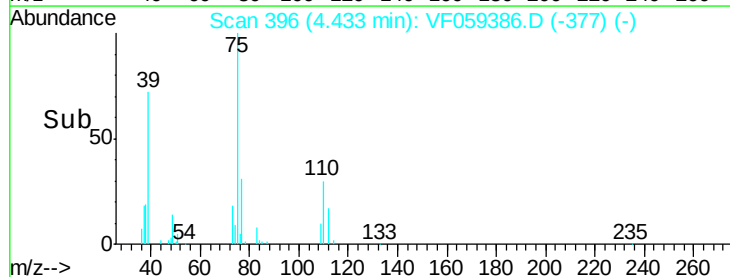
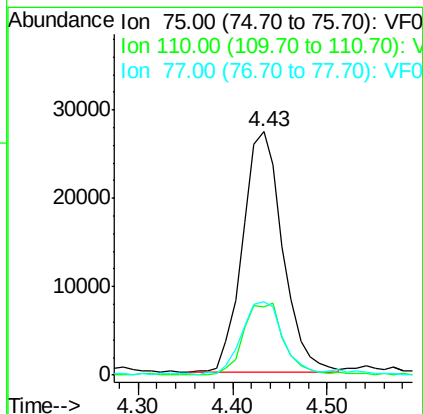
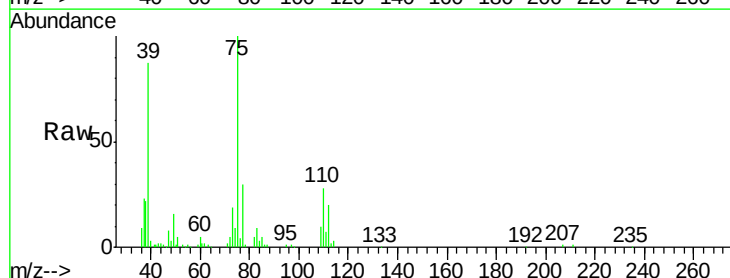
RT: 4.43 min Scan# 396

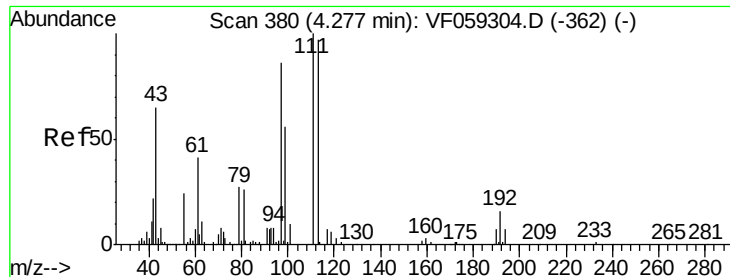
Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Tgt Ion:	75	Resp:	80180
Ion	Ratio	Lower	Upper
75	100		
110	28.2	14.8	44.4
77	30.3	25.2	37.8





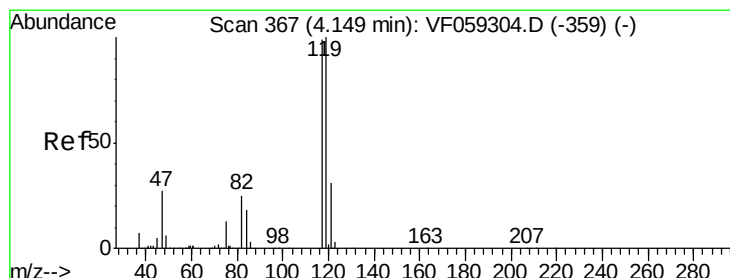
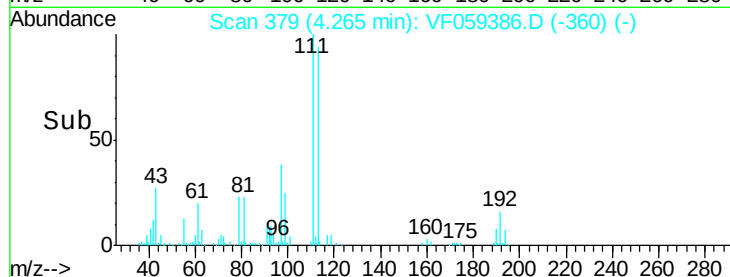
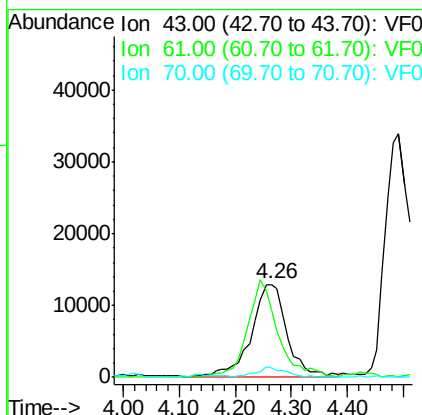
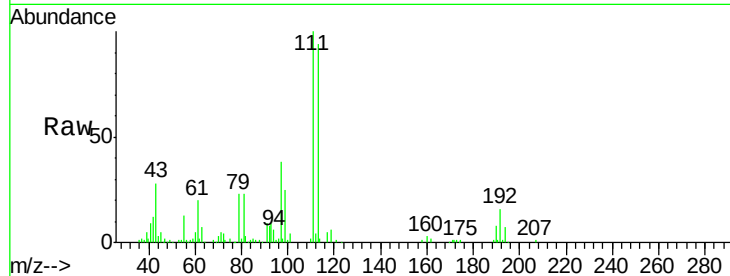
#37
Ethyl Acetate
Concen: 23.71 ug/l
RT: 4.26 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	71.8	50.1	75.1
70	10.7	6.2	9.4

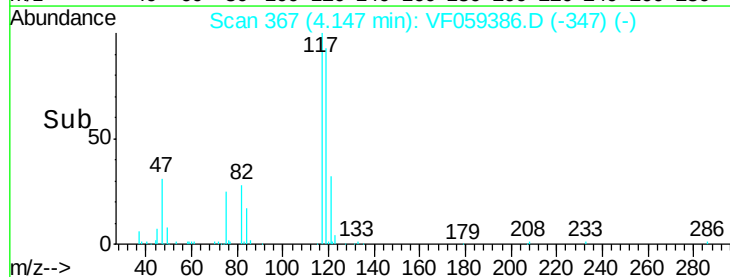
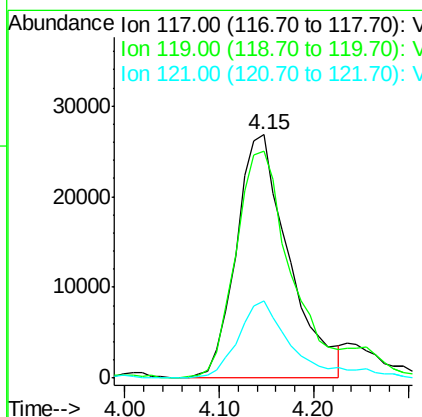
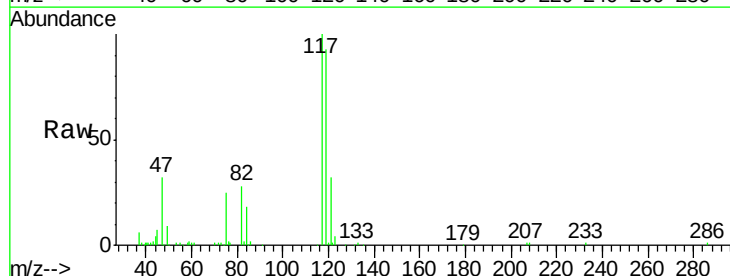
Manual Integrations
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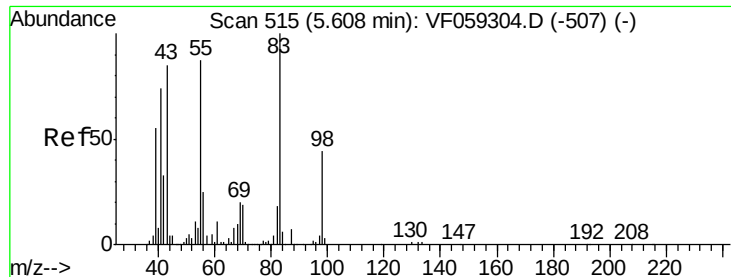
apatel
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#38
Carbon Tetrachloride
Concen: 22.91 ug/l
RT: 4.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	81.0	121.4
121	31.7	24.7	37.1





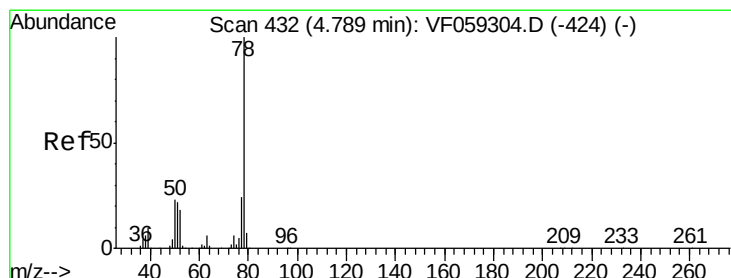
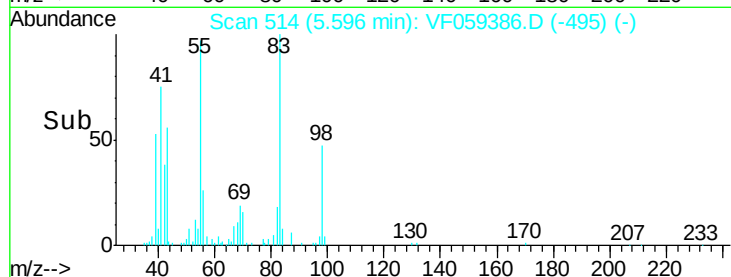
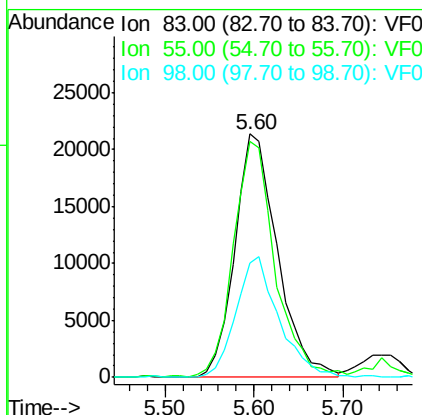
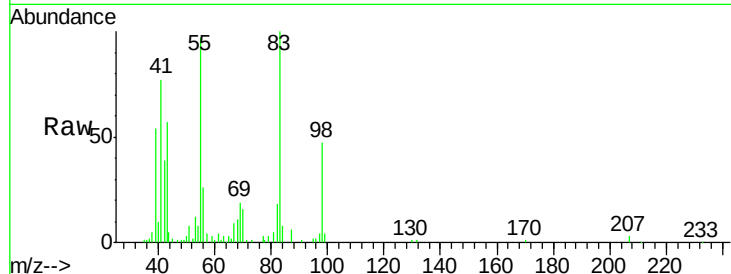
#39
Methylvlcyclohexane
Concen: 22.42 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.0	69.2	103.8
98	47.0	35.0	52.6

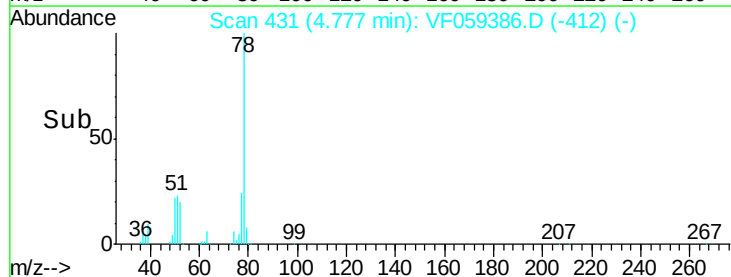
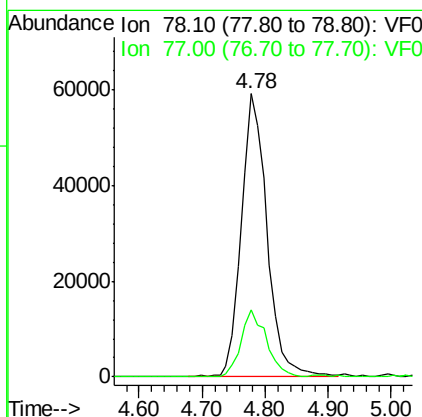
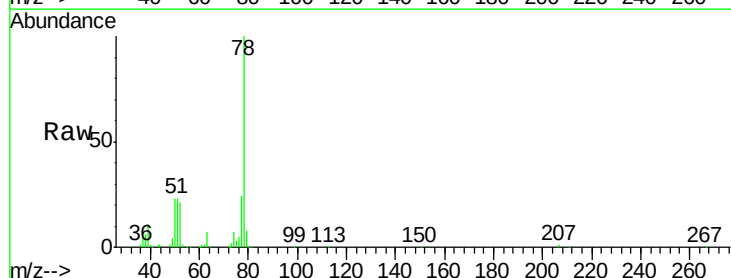
Manual Integrations
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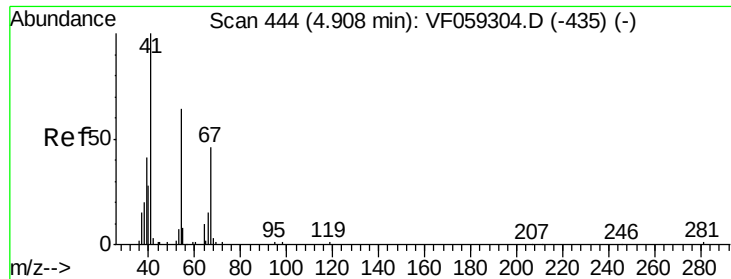
apatel
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#40
Benzene
Concen: 21.08 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.6	29.4





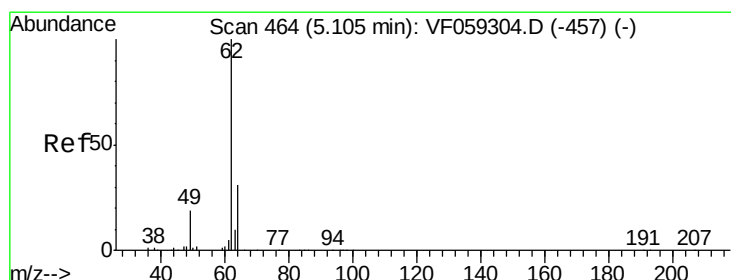
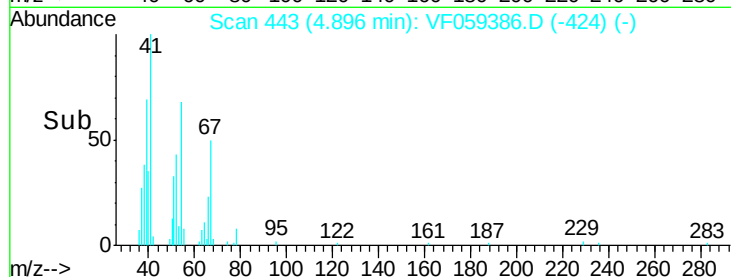
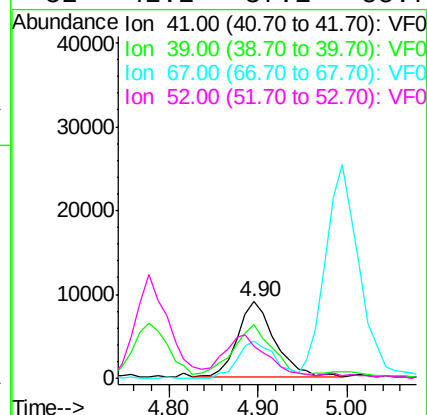
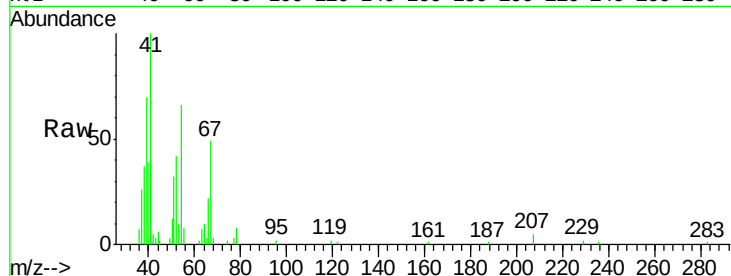
#41
Methacrylonitrile
Concen: 21.59 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
26371	41	100		
	39	70.1	50.0	75.0
	67	48.7	37.0	55.6
	52	42.2	37.1	55.7

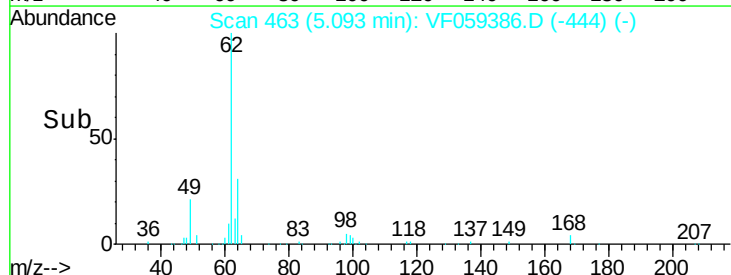
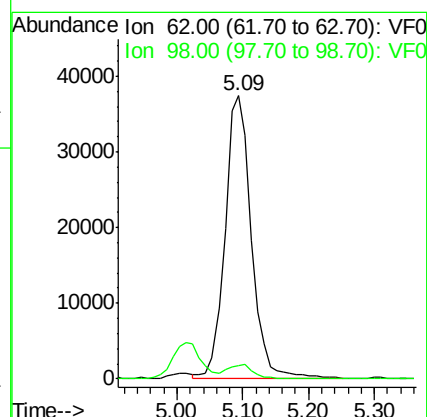
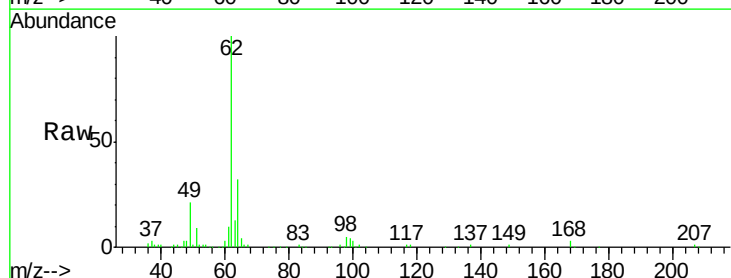
Manual Integrations
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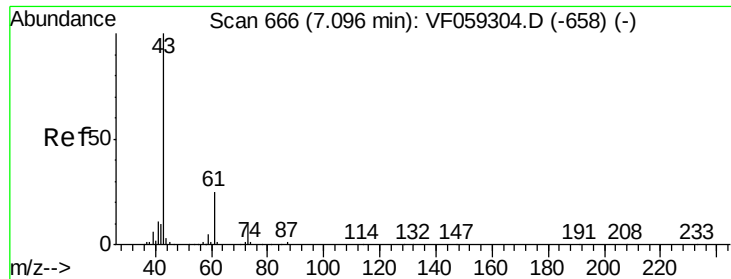
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#42
1,2-Dichloroethane
Concen: 22.37 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ion	Ratio	Lower	Upper
103797	62	100		
	98	4.8	0.0	11.4





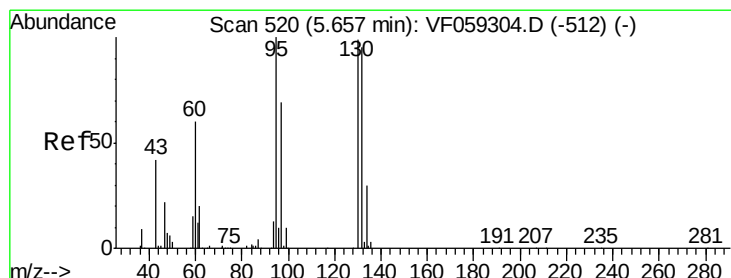
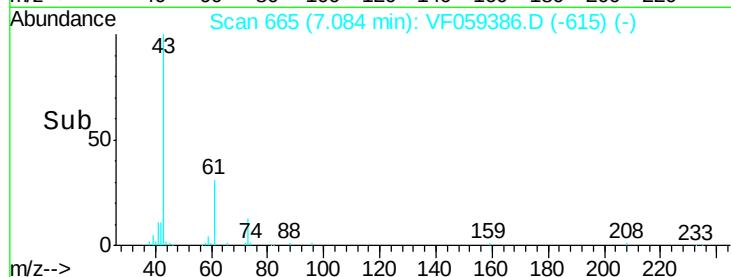
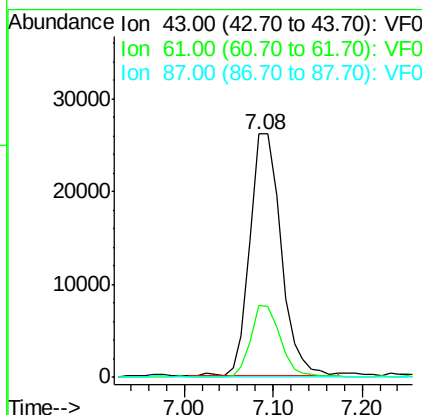
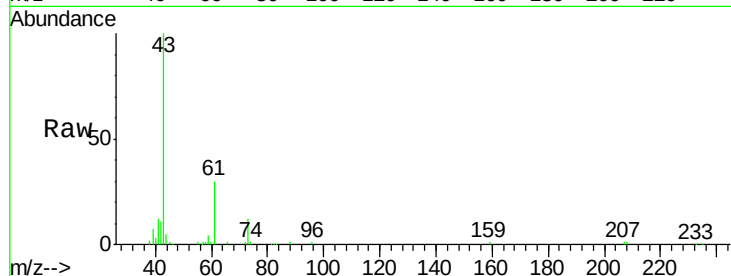
#43
Isopropyl Acetate
Concen: 21.15 ug/l
RT: 7.08 min Scan# 665
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	19.7	29.5#
87	0.0	0.5	0.7#

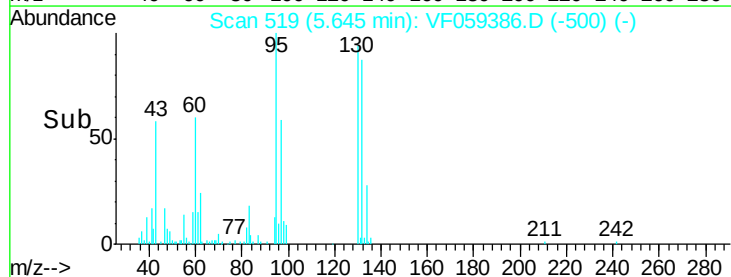
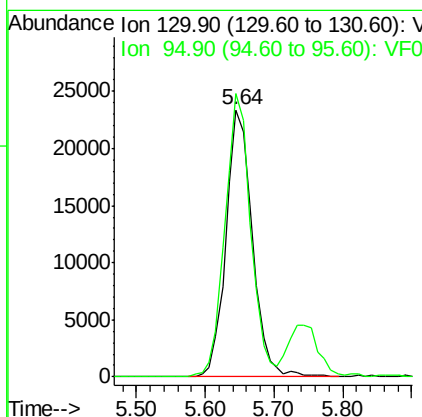
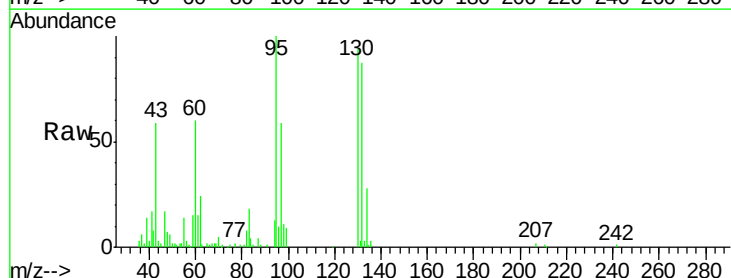
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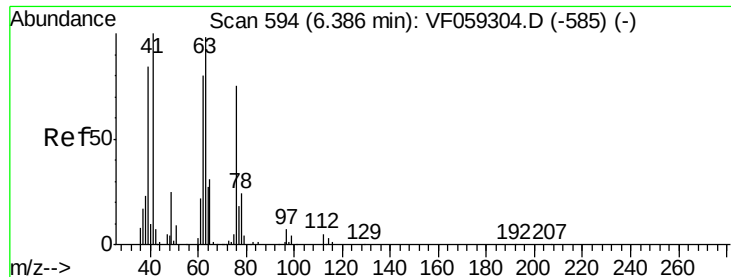
apatel
7/3/2018 10:34:38 AM



#44
Trichloroethene
Concen: 22.74 ug/l
RT: 5.64 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	202.4





#45

1,2-Dichloropropane

Concen: 21.50 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion: 63 Resp: 48762

Ion Ratio Lower Upper

63 100

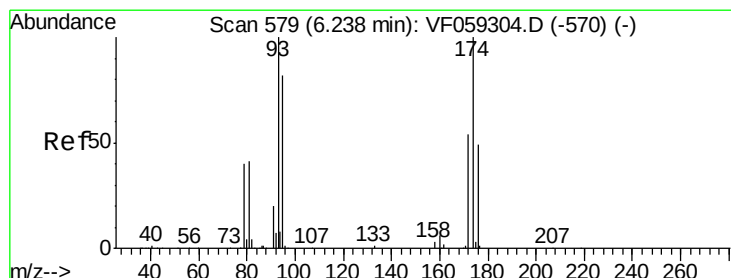
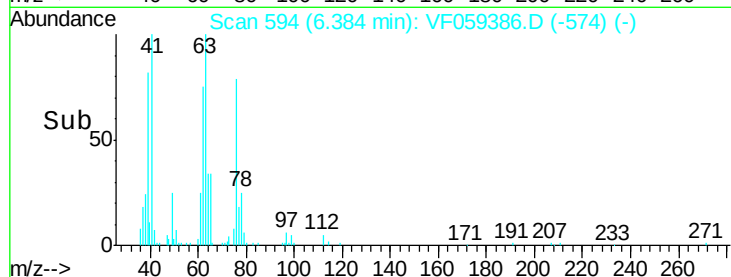
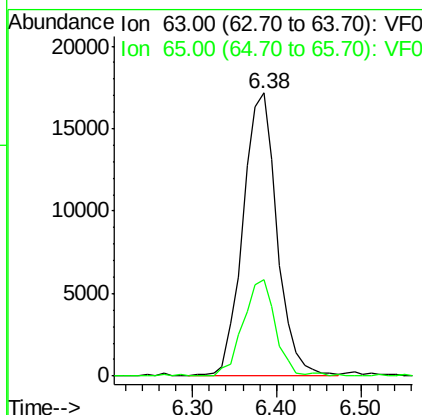
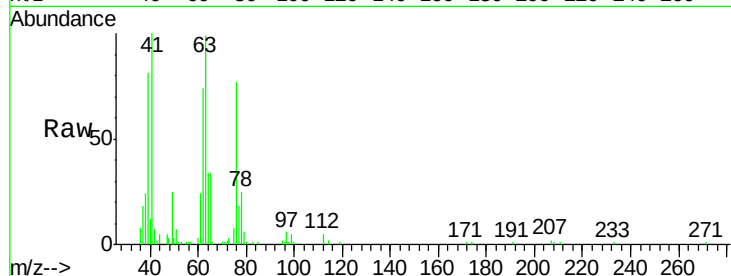
65 34.0 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 22.17 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

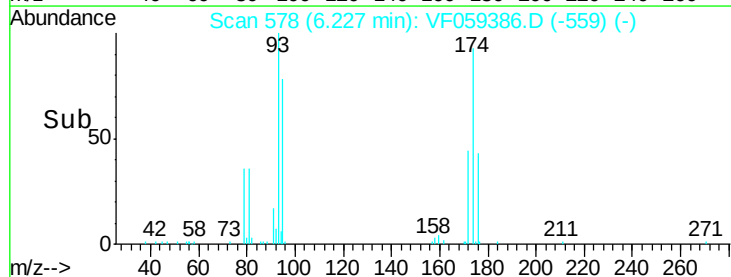
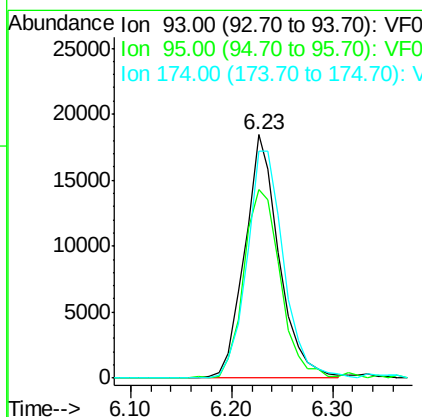
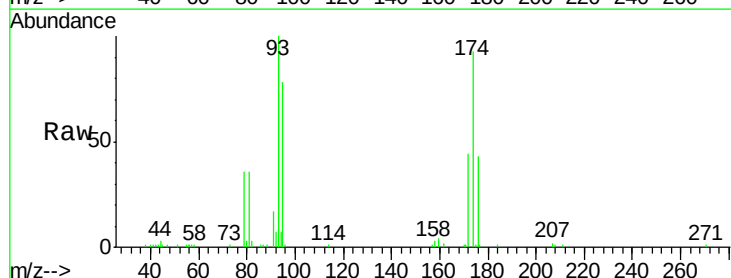
Tgt Ion: 93 Resp: 43641

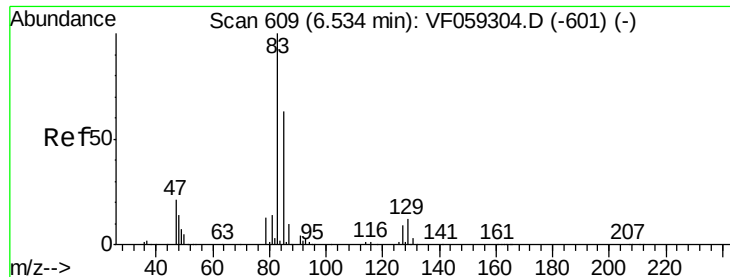
Ion Ratio Lower Upper

93 100

95 77.7 65.6 98.4

174 93.3 80.0 120.0





#47

Bromodichloromethane

Concen: 21.63 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

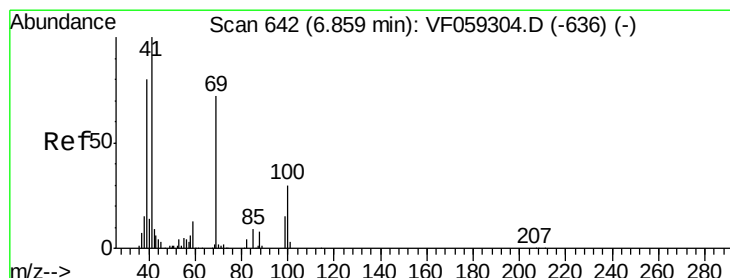
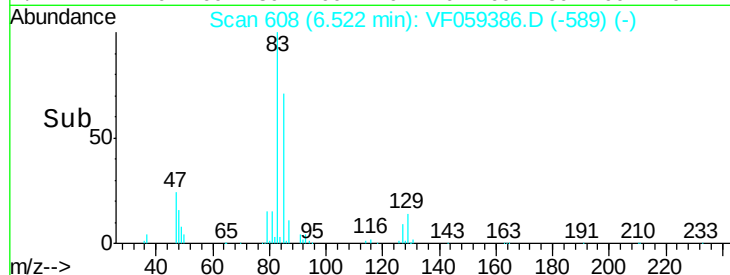
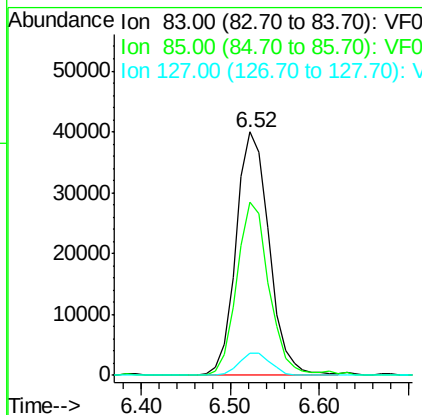
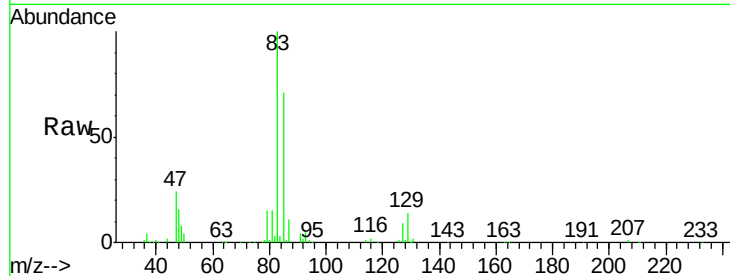
ClientSampleId :

VF0702SBSD01

Tot Ion:	83	Resp:	103089
Ion	Ratio	Lower	Upper
83	100		
85	71.0	50.2	75.2
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.51 ug/l

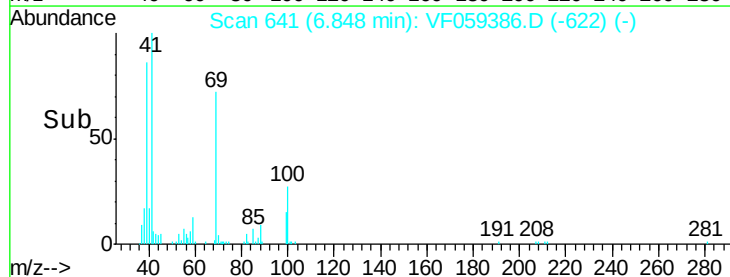
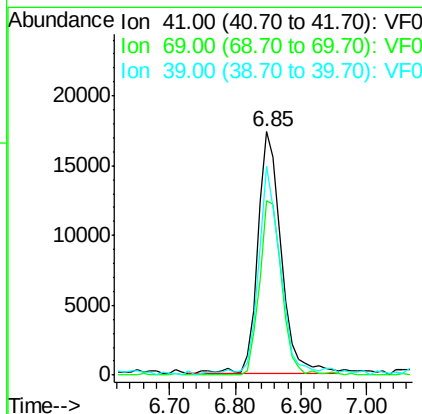
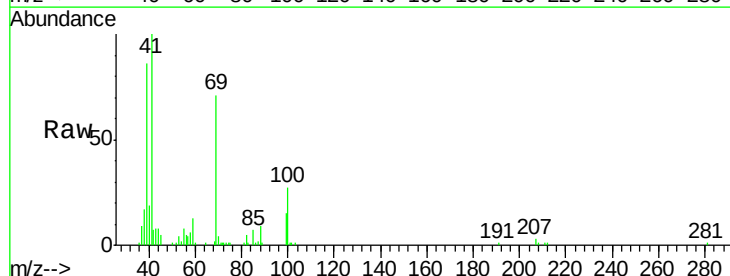
RT: 6.85 min Scan# 641

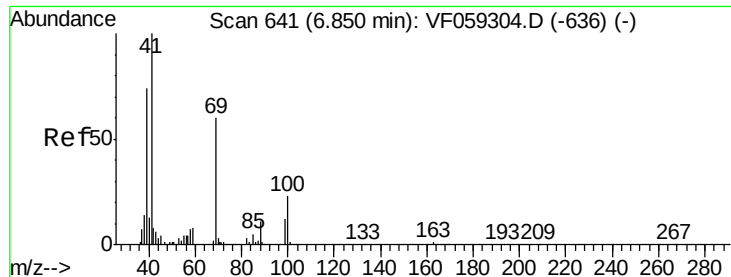
Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Tgt Ion:	41	Resp:	42998
Ion	Ratio	Lower	Upper
41	100		
69	71.4	57.3	85.9
39	85.8	64.4	96.6





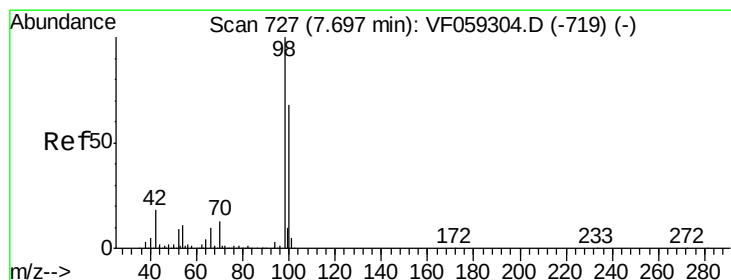
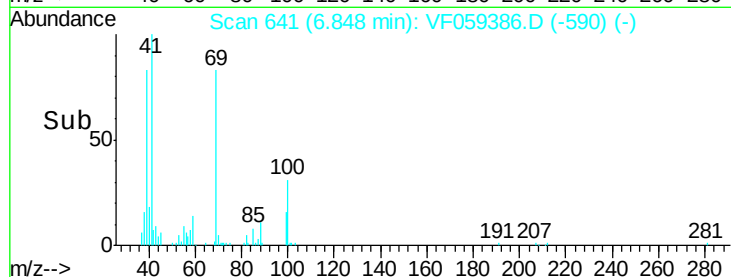
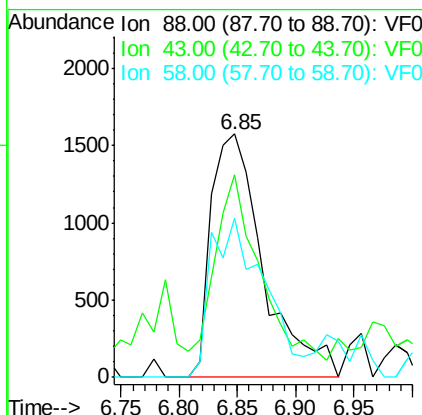
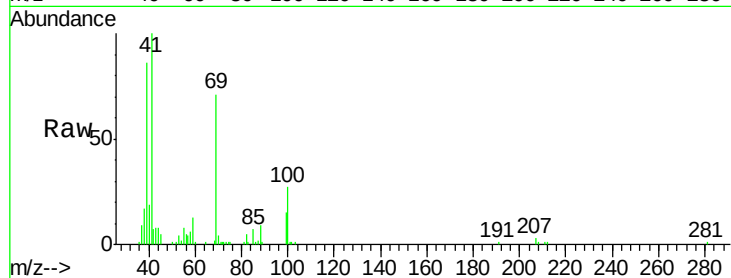
#49
1,4-Dioxane
Concen: 435.40 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	88	Resp	4900
Ion Ratio	Lower	Upper	
88	100		
43	83.0	50.6	75.8#
58	65.1	46.6	69.8

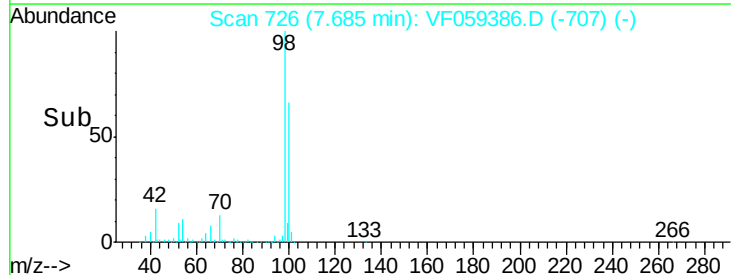
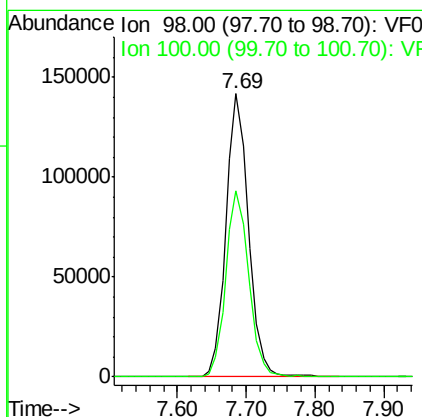
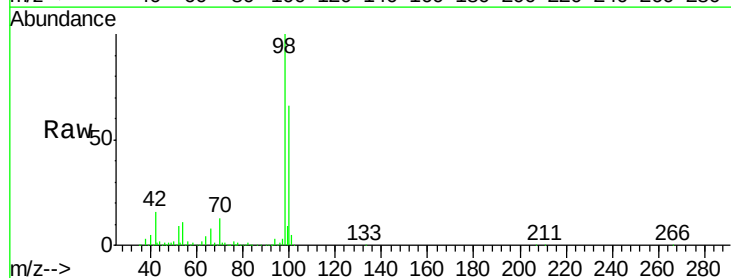
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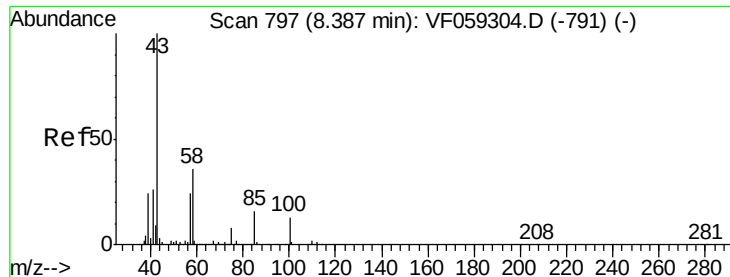
apatel
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#50
Toluene-d8
Concen: 43.31 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	98	Resp	321153
Ion Ratio	Lower	Upper	
98	100		
100	65.8	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 113.94 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion: 43 Resp: 251752

Ion Ratio Lower Upper

43 100

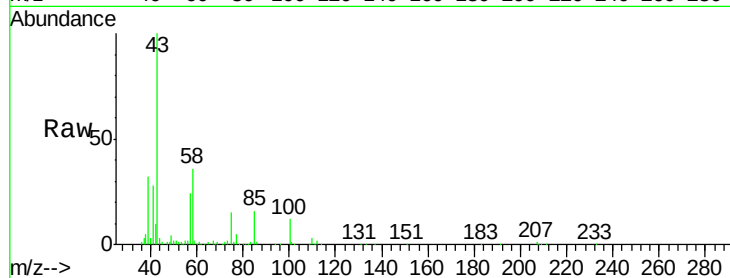
58 36.3 28.4 42.6

Manual Integrations

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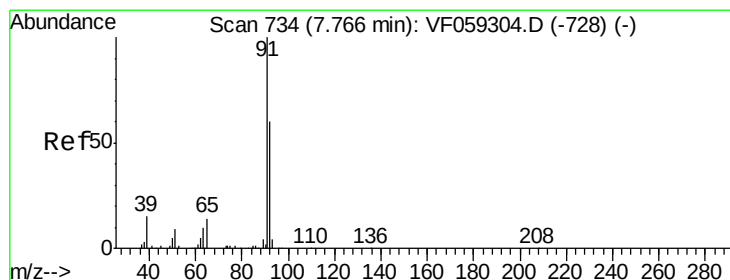
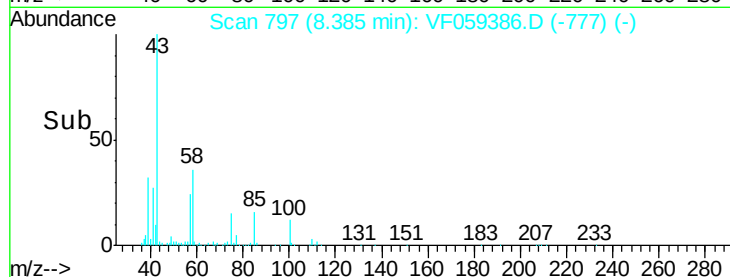
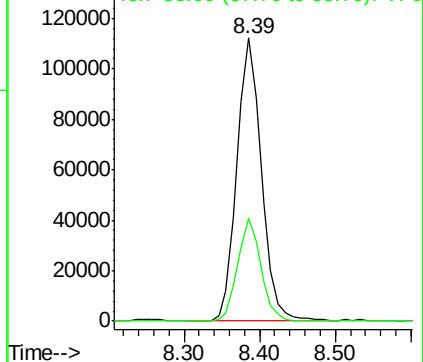
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.83 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059386.D

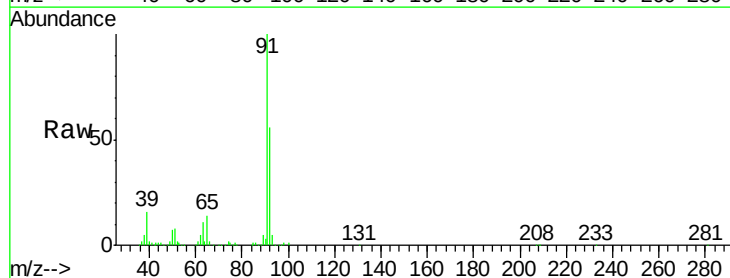
Acq: 2 Jul 2018 14:50

Tgt Ion: 92 Resp: 129680

Ion Ratio Lower Upper

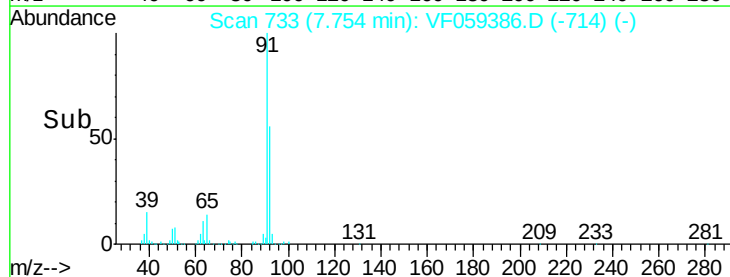
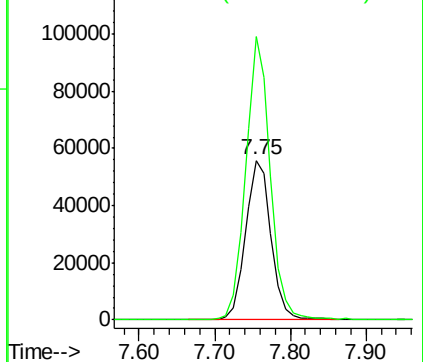
92 100

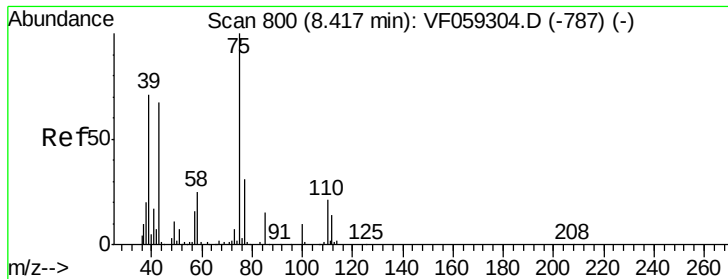
91 177.7 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 23.00 ug/l

RT: 8.40 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion: 75 Resp: 99922

Ion Ratio Lower Upper

75 100

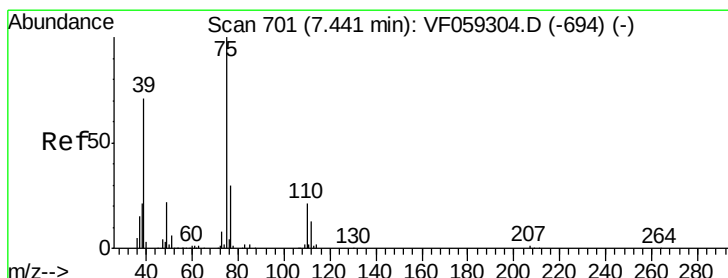
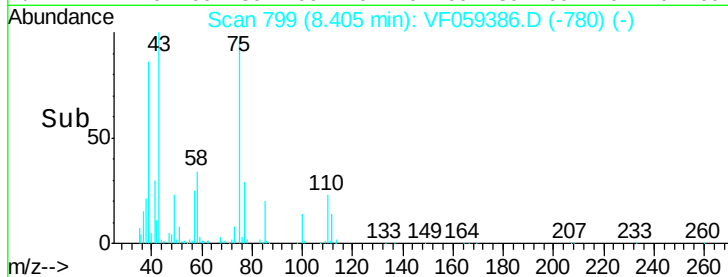
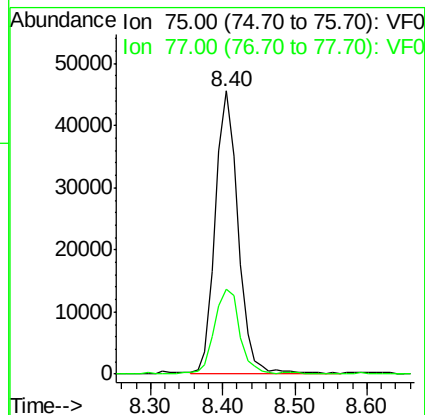
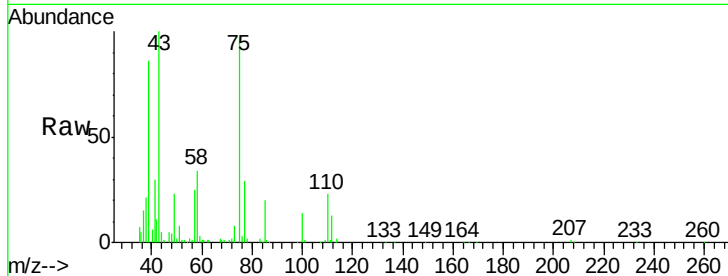
77 30.0 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 21.25 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

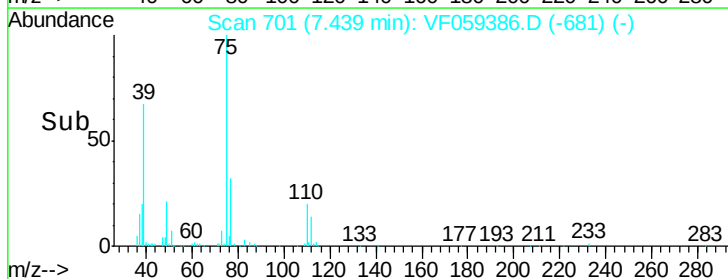
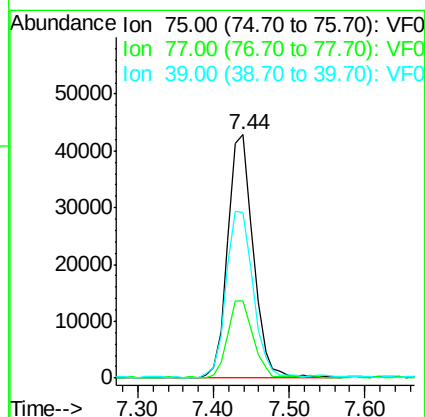
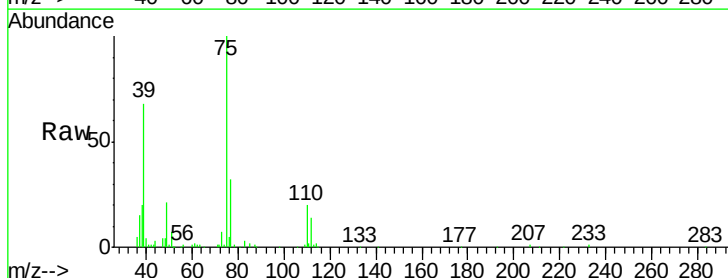
Tgt Ion: 75 Resp: 100272

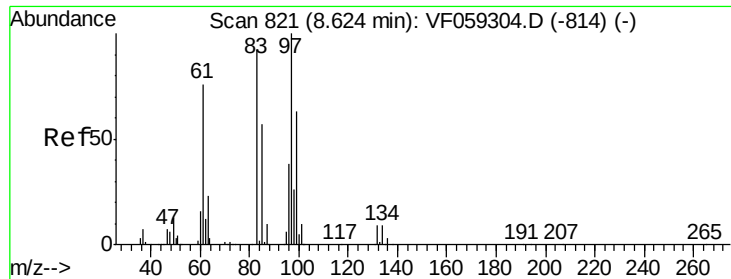
Ion Ratio Lower Upper

75 100

77 31.9 24.3 36.5

39 67.7 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 22.36 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

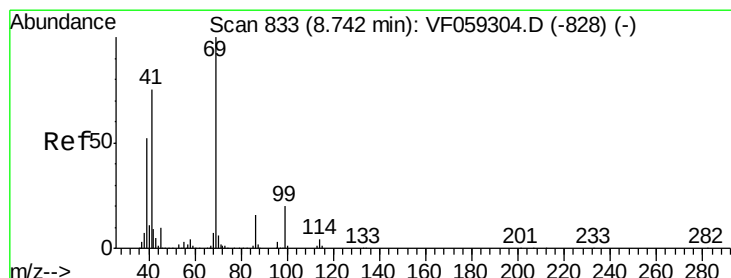
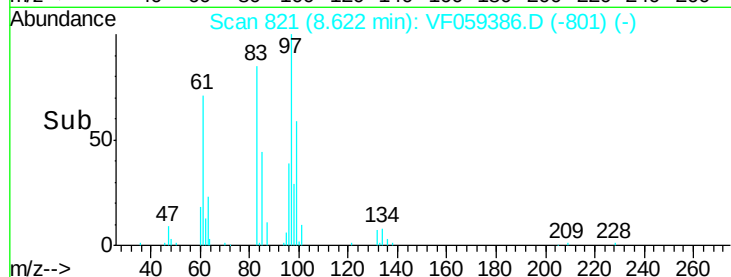
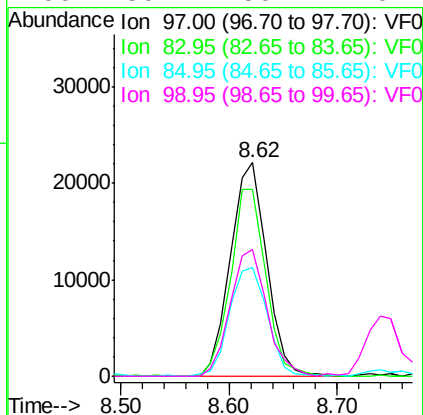
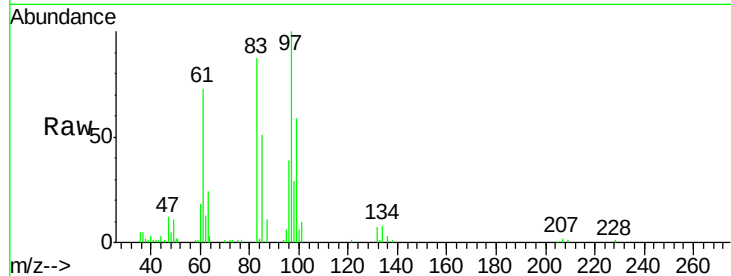
ClientSampleId :

VF0702SBSD01

Tot Ion:	97	Resp:	51583
Ion	Ratio	Lower	Upper
97	100		
83	87.4	73.8	110.8
85	51.0	45.5	68.3
99	59.2	50.7	76.1

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#56

Ethyl methacrylate

Concen: 21.77 ug/l

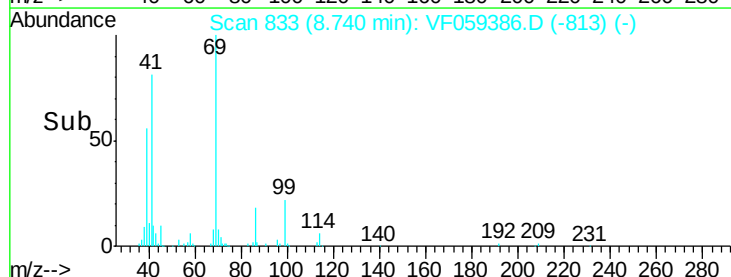
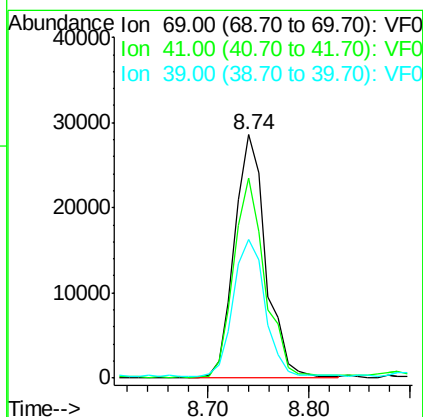
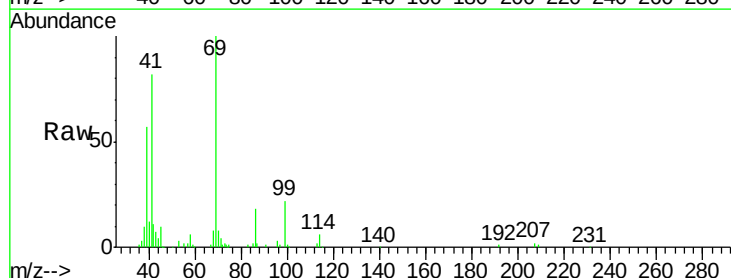
RT: 8.74 min Scan# 833

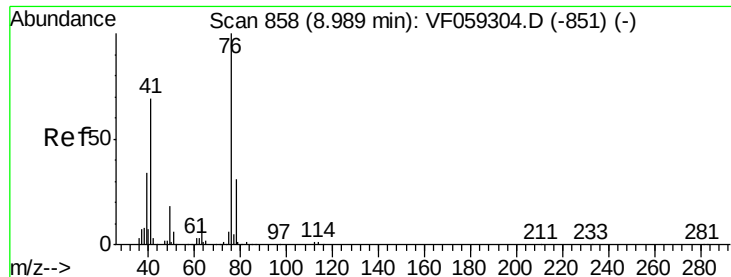
Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Tgt Ion:	69	Resp:	62216
Ion	Ratio	Lower	Upper
69	100		
41	82.0	60.3	90.5
39	57.1	42.2	63.4





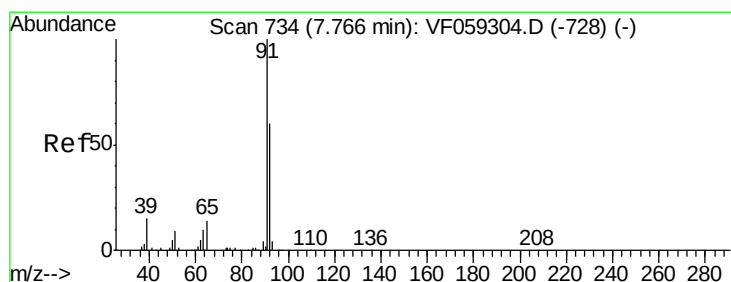
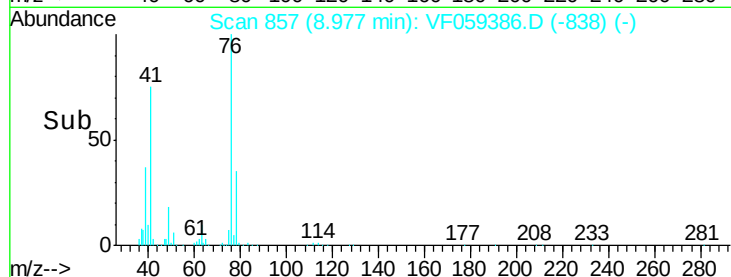
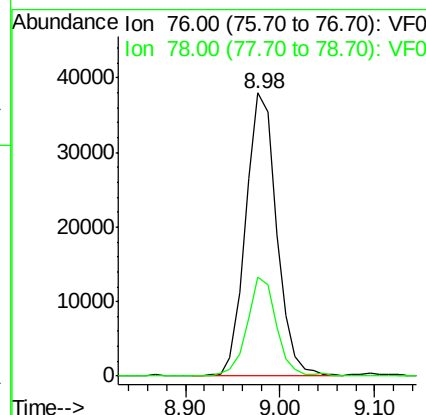
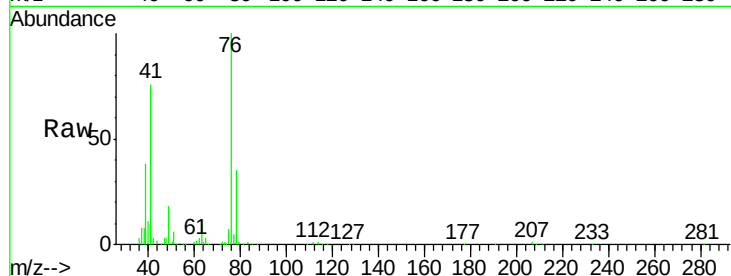
#57
 1,3-Dichloropropane
 Concen: 21.85 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.8	24.9	37.3

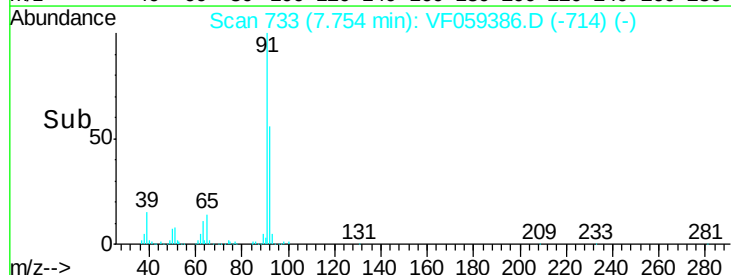
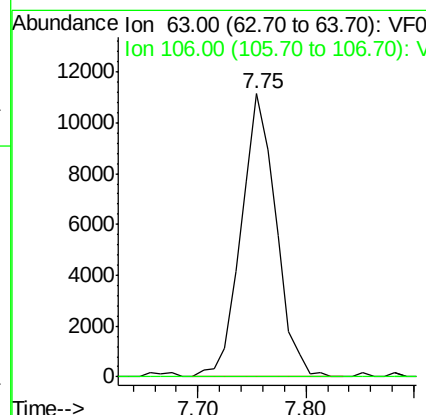
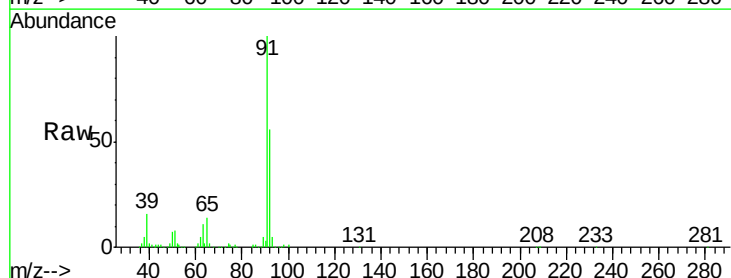
Manual Integrations
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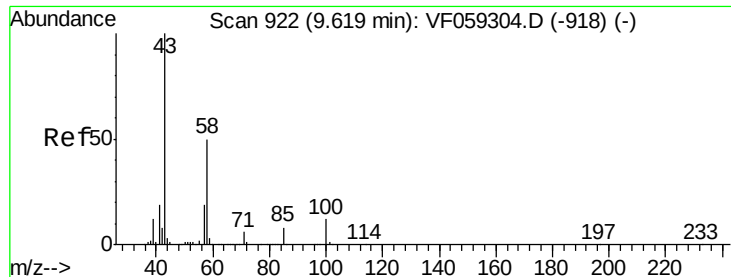
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.43 ug/l
 RT: 7.75 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





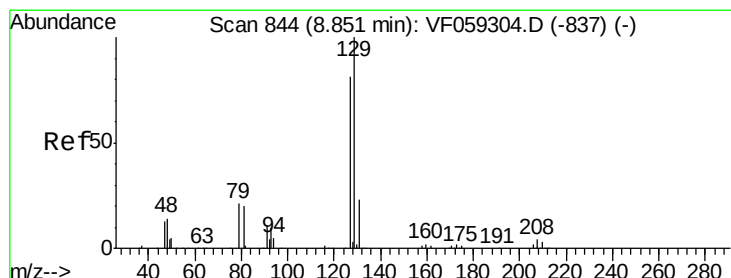
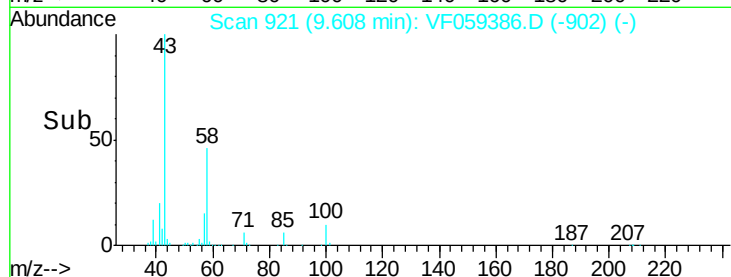
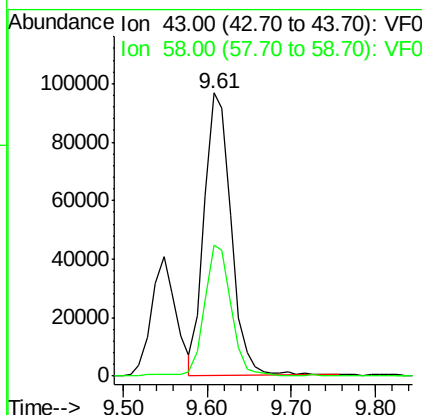
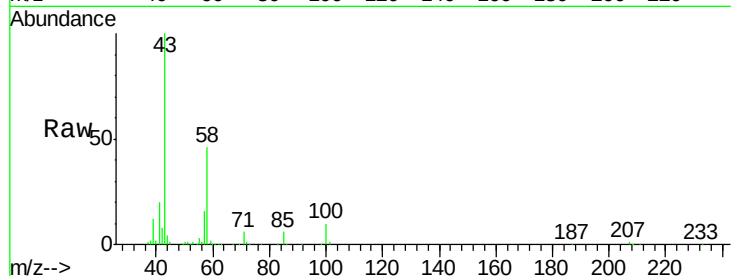
#59
2-Hexanone
Concen: 119.23 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion: 43 Resp: 212585
Ion Ratio Lower Upper
43 100
58 46.5 23.3 69.9

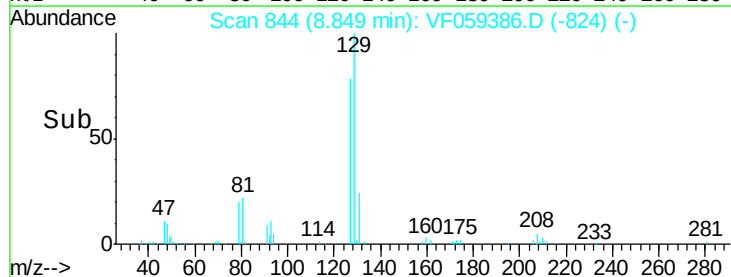
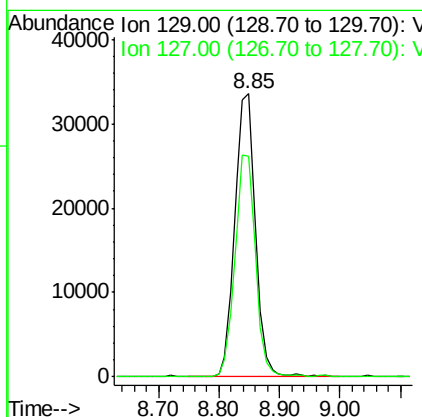
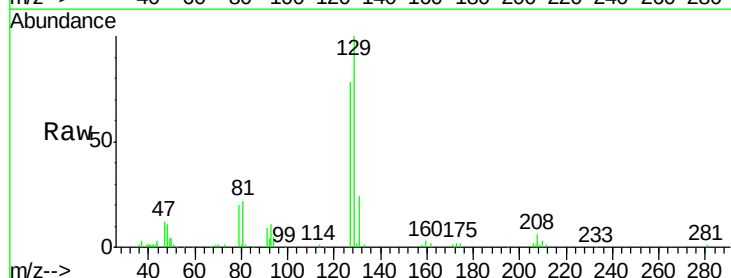
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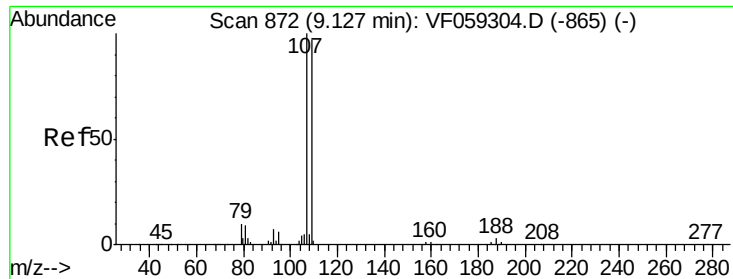
apatel
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#60
Dibromochloromethane
Concen: 22.36 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion: 129 Resp: 79631
Ion Ratio Lower Upper
129 100
127 78.1 40.7 122.1





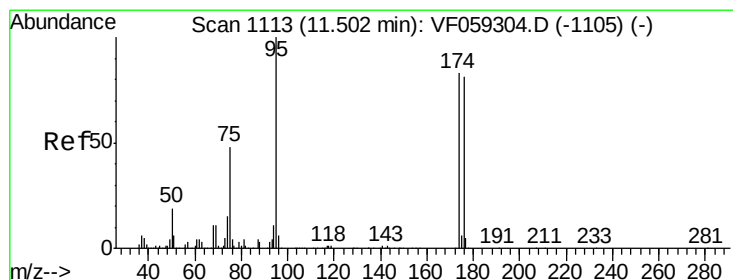
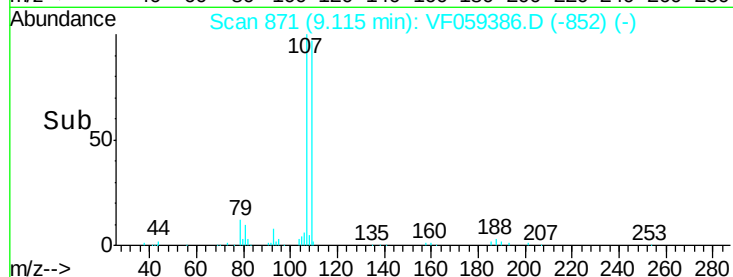
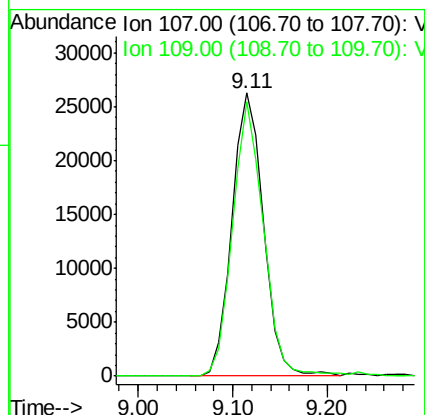
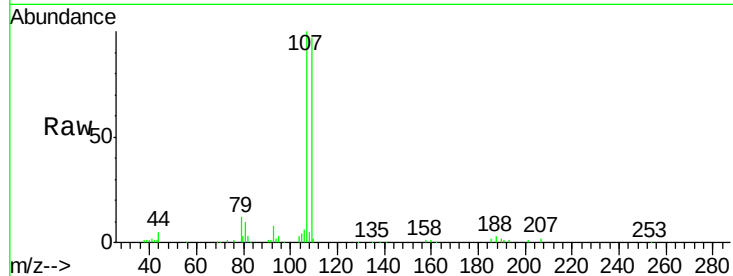
#61
 1,2-Dibromoethane
 Concen: 21.64 ug/l
 RT: 9.11 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

Tot Ion:107 Resp: 60527
 Ion Ratio Lower Upper
 107 100
 109 96.7 77.3 115.9

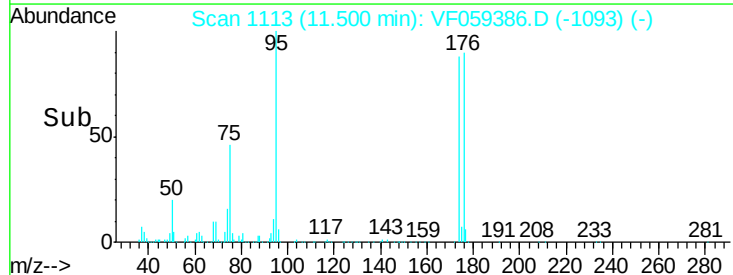
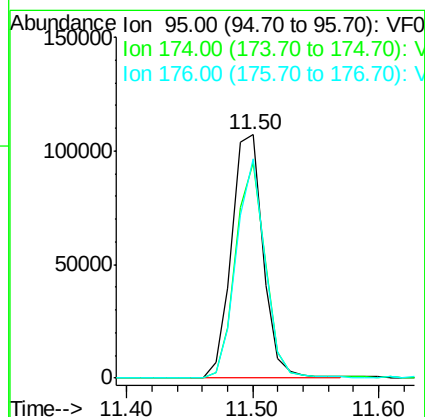
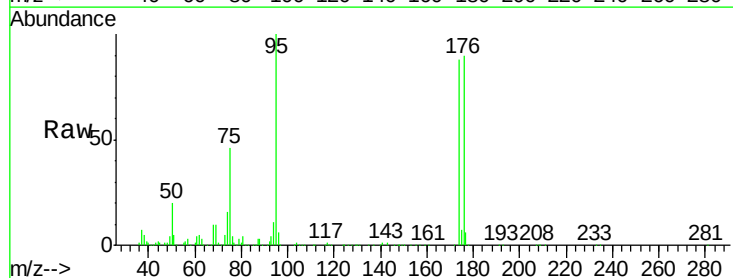
Manual Integrations
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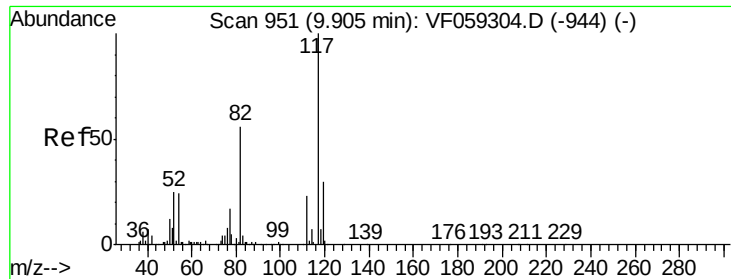
apatel
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#62
 4-Bromofluorobenzene
 Concen: 44.30 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion: 95 Resp: 185284
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 165.2
 176 90.3 0.0 161.0





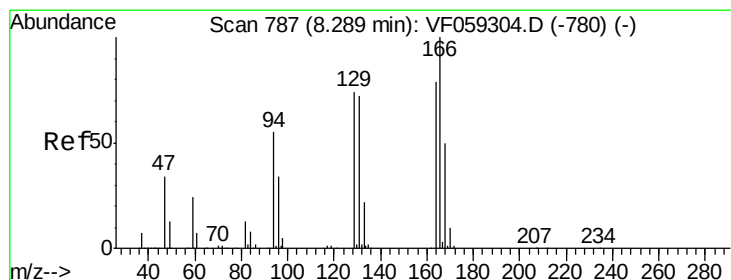
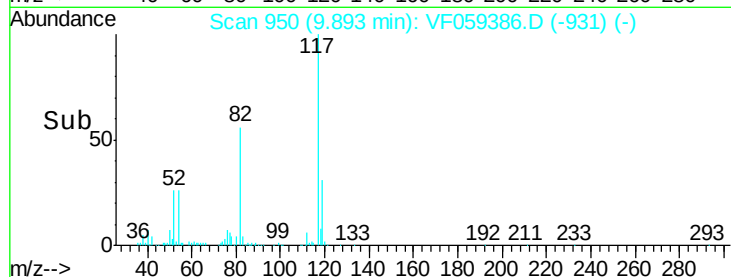
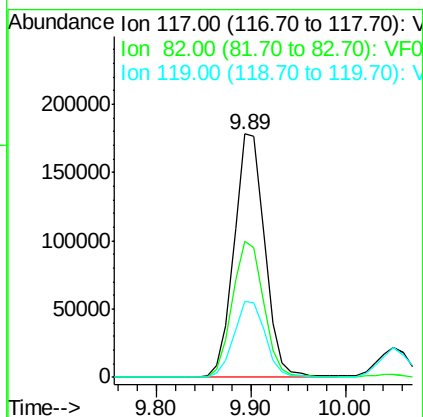
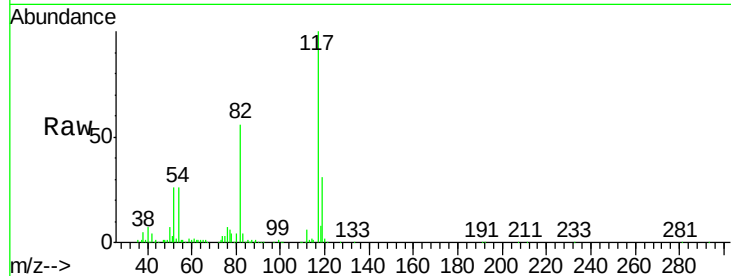
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	400308		
82	55.9		44.6	66.8
119	31.4		24.1	36.1

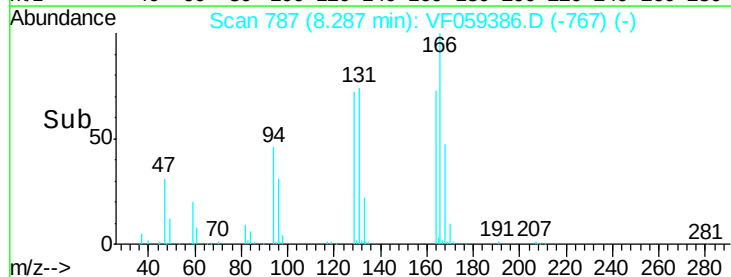
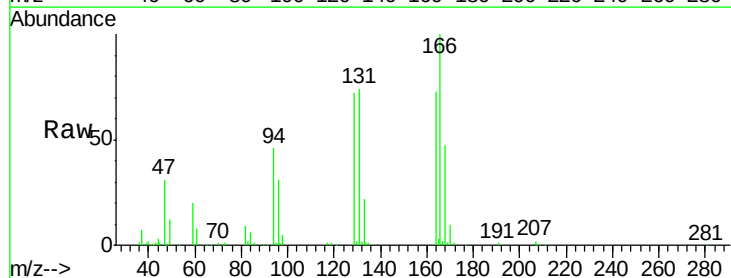
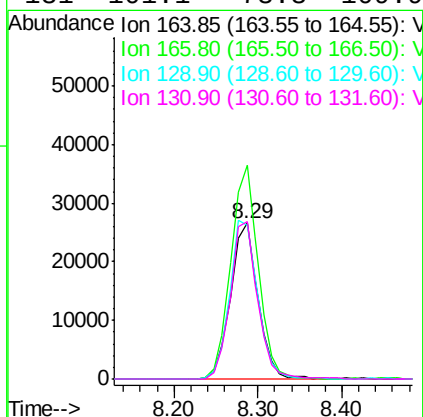
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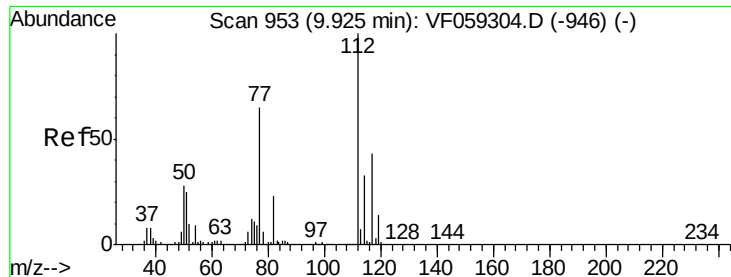
apatel
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#64
Tetrachloroethene
Concen: 23.10 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59984		
166	136.8		101.1	151.7
129	98.6		75.0	112.4
131	101.1		73.3	109.9





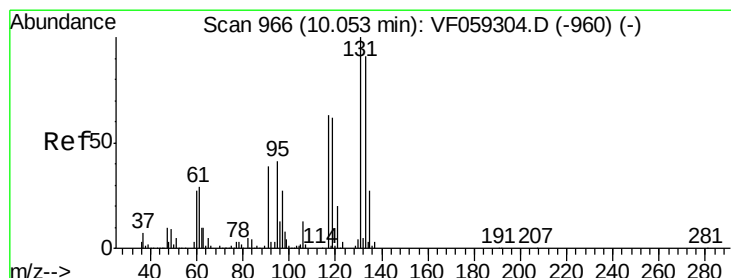
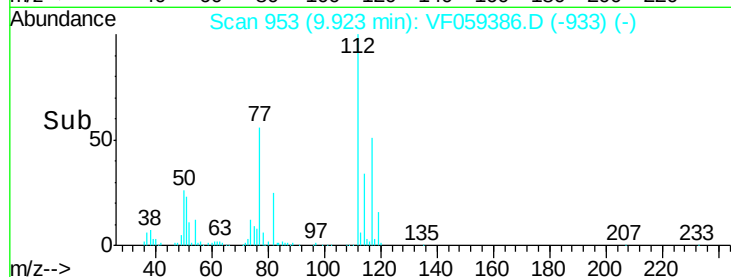
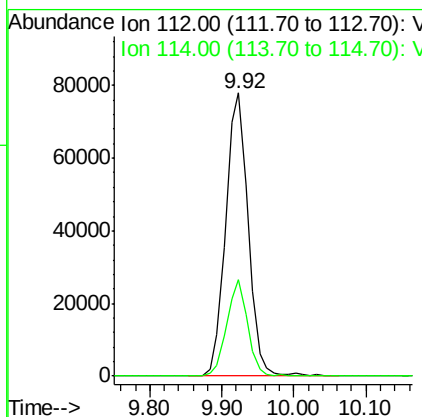
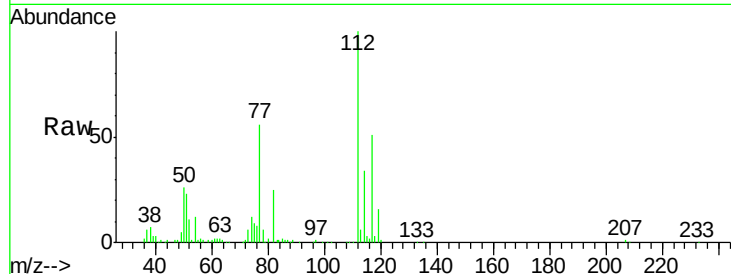
#65
Chlorobenzene
Concen: 22.80 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.1	26.5	39.7

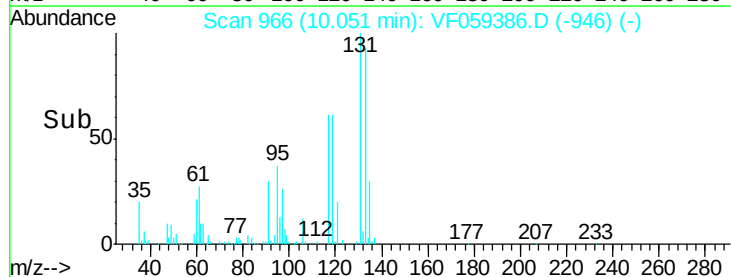
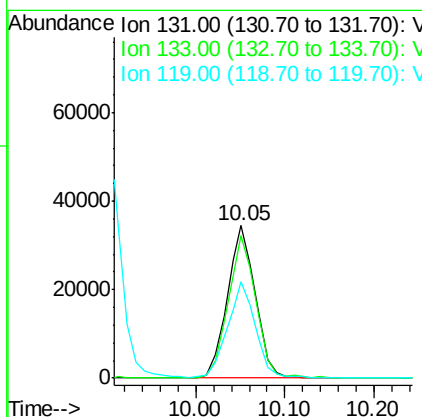
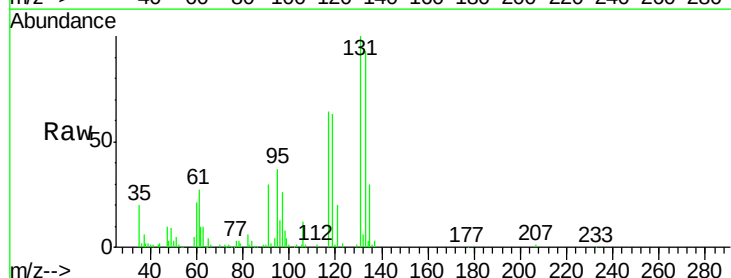
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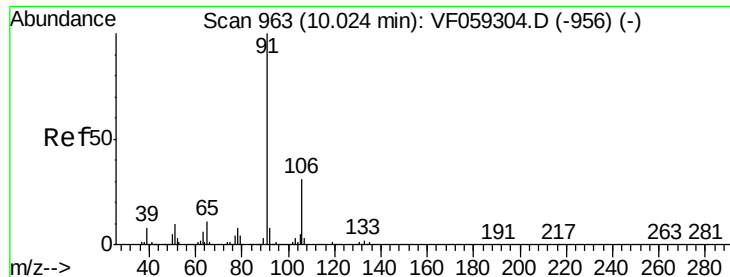
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.68 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	45.3	135.9
119	63.0	31.3	93.9





#67

Ethyl Benzene

Concen: 23.27 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion: 91 Resp: 292832

Ion Ratio Lower Upper

91 100

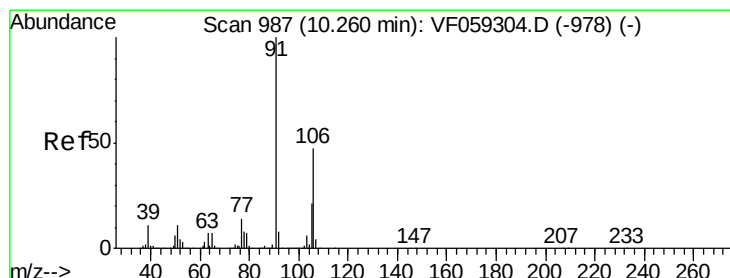
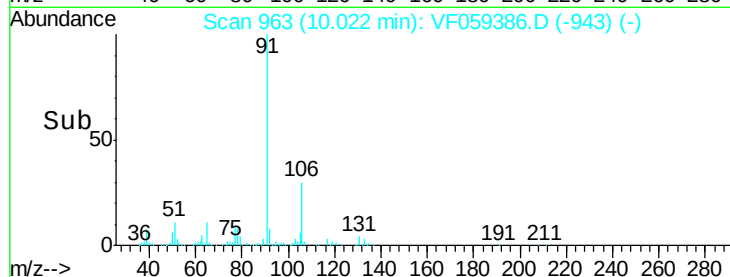
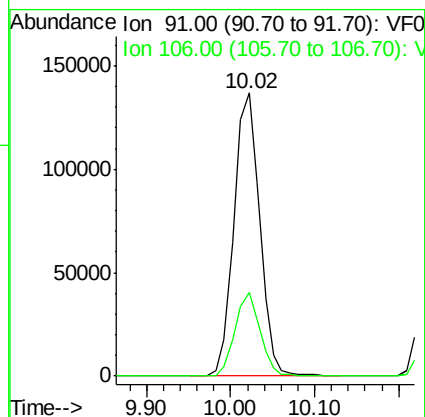
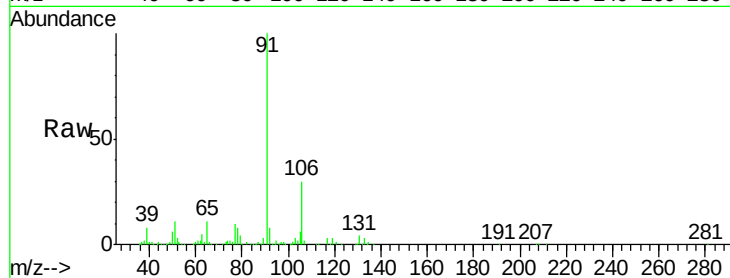
106 29.8 24.8 37.2

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#68

m/p-Xylenes

Concen: 47.84 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059386.D

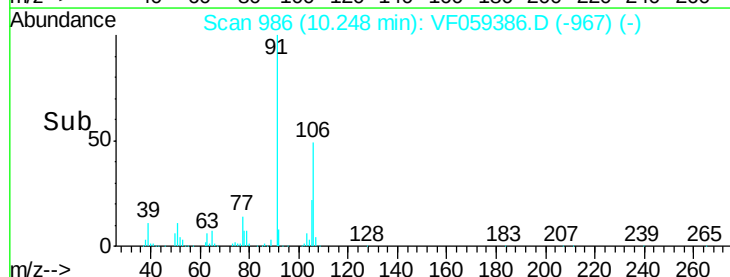
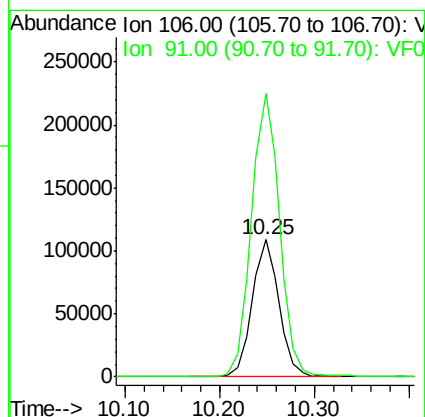
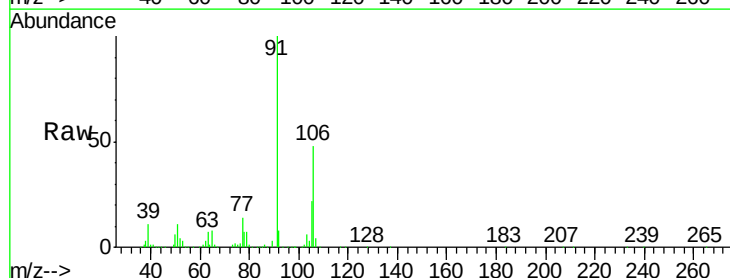
Acq: 2 Jul 2018 14:50

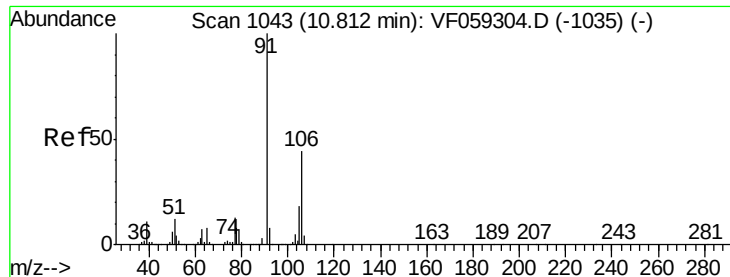
Tgt Ion: 106 Resp: 214291

Ion Ratio Lower Upper

106 100

91 206.5 170.8 256.2





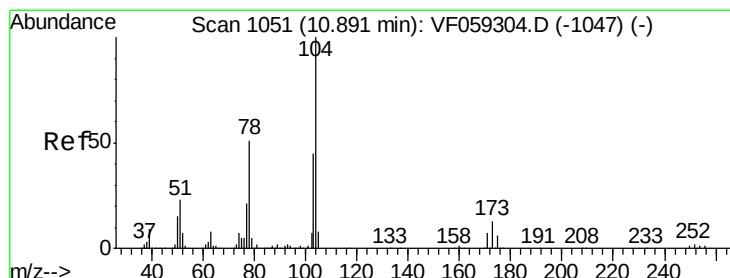
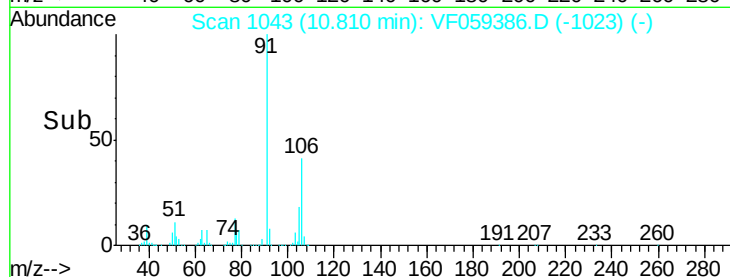
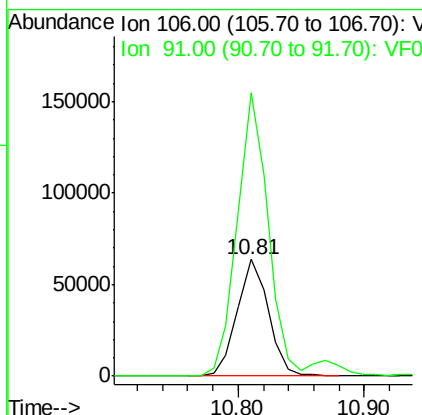
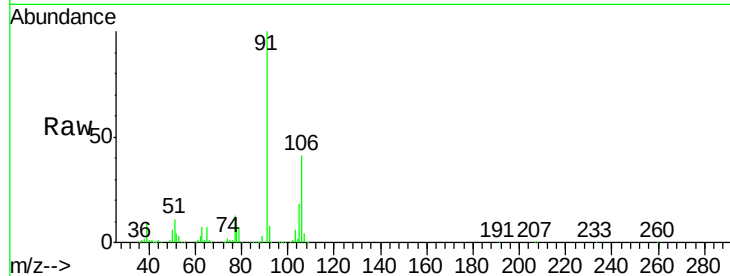
#69
o-Xylene
Concen: 22.10 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	243.1	114.6	343.6		

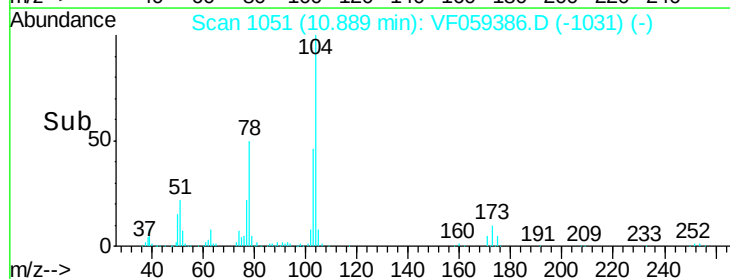
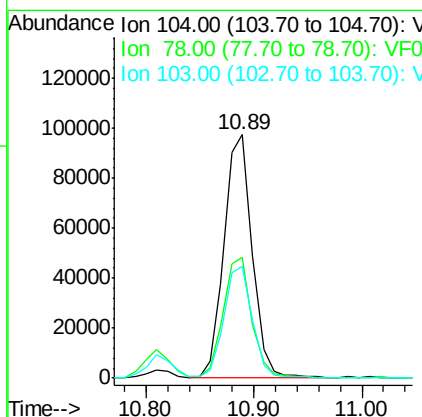
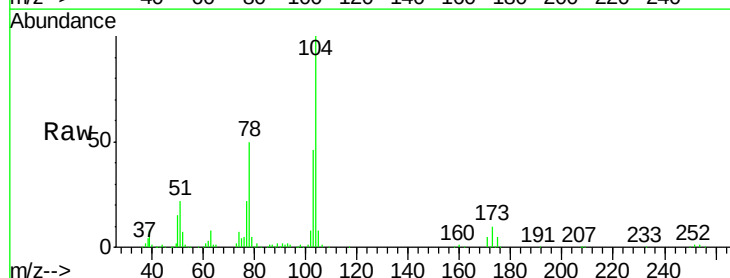
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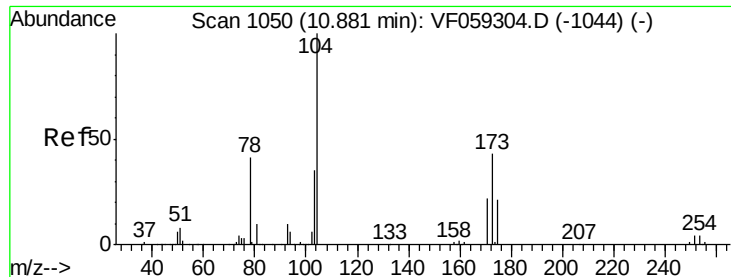
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#70
Styrene
Concen: 23.08 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.8	40.9	61.3		
103	46.1	36.5	54.7		





#71

Bromoform

Concen: 22.81 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

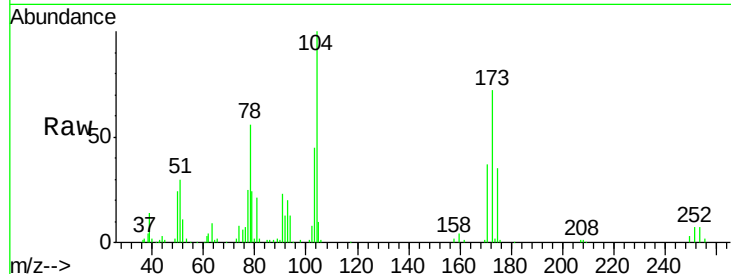
ClientSampleId :

VF0702SBSD01

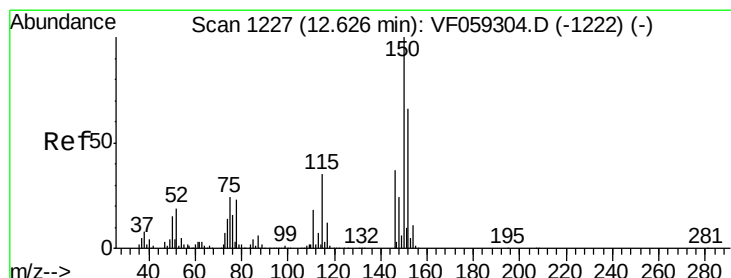
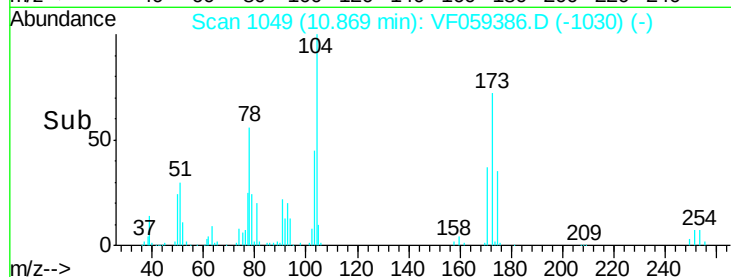
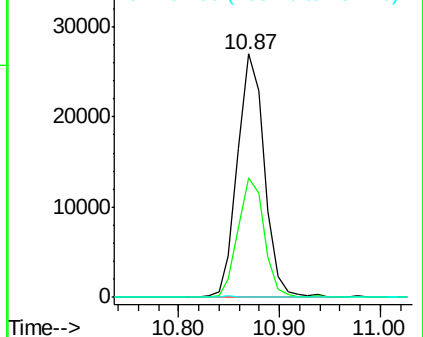
Tot Ion:	173	Resp:	50160
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.8	74.3
254	0.0	0.0	0.0

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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

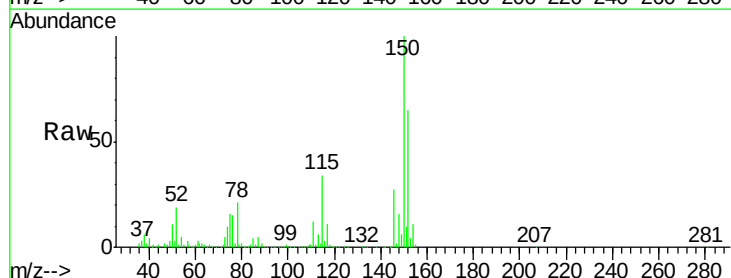
RT: 12.62 min Scan# 1227

Delta R.T. -0.00 min

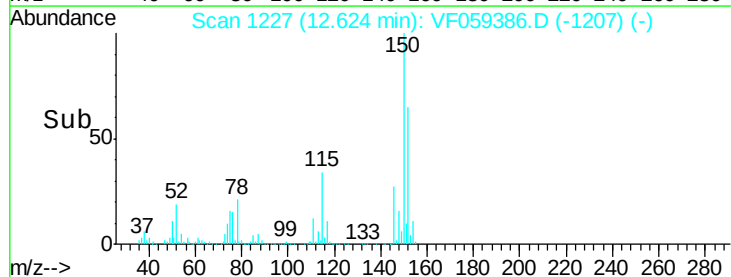
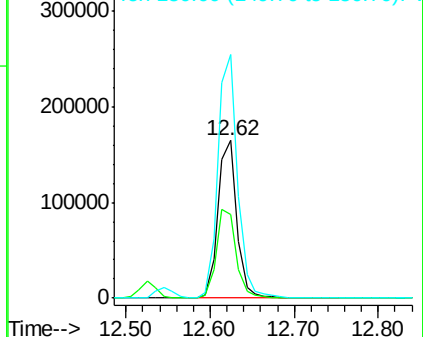
Lab File: VF059386.D

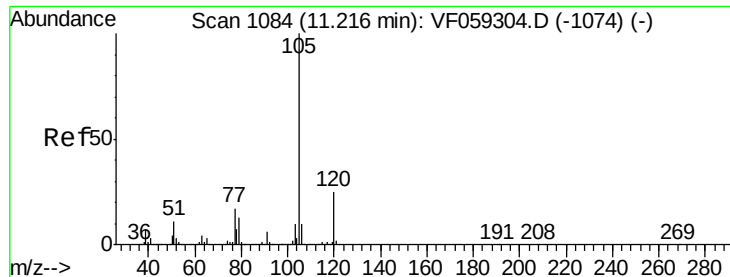
Acq: 2 Jul 2018 14:50

Tgt Ion:	152	Resp:	257714
Ion Ratio	Lower	Upper	
152	100		
115	53.3	27.1	81.3
150	154.7	0.0	305.2



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: 22.90 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion:105 Resp: 343782

Ion Ratio Lower Upper

105 100

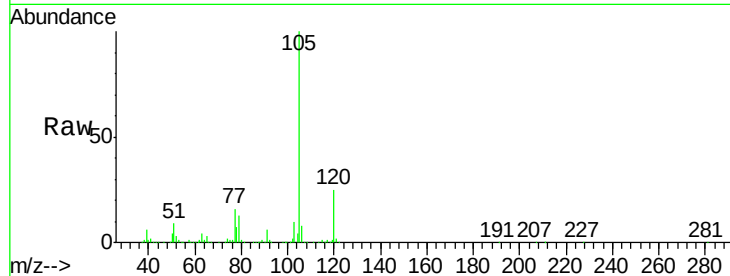
120 24.8 12.3 36.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

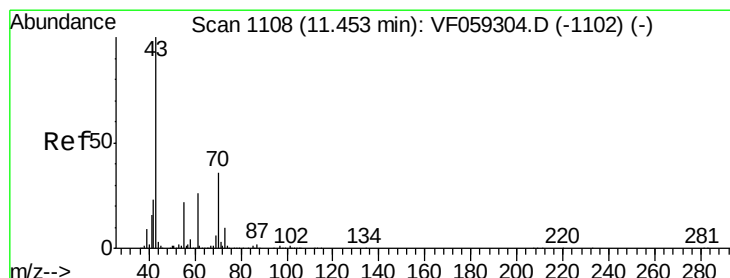
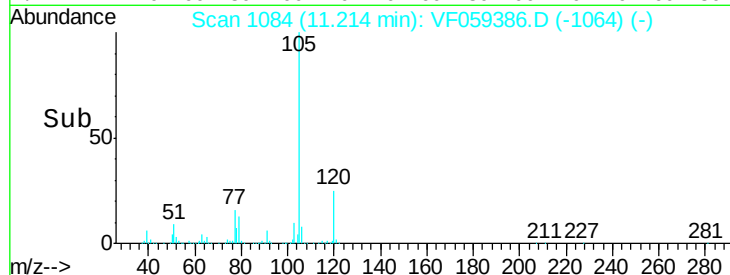
100000

50000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 22.64 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Tgt Ion: 43 Resp: 123347

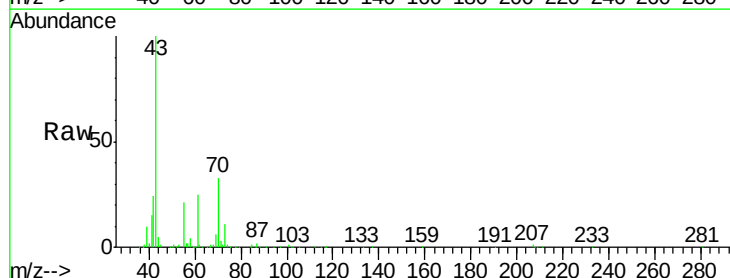
Ion Ratio Lower Upper

43 100

70 33.5 28.8 43.2

55 21.3 17.4 26.0

61 24.7 21.1 31.7



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

120000

100000

80000

60000

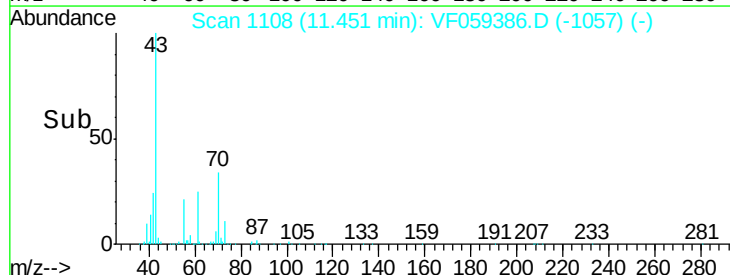
40000

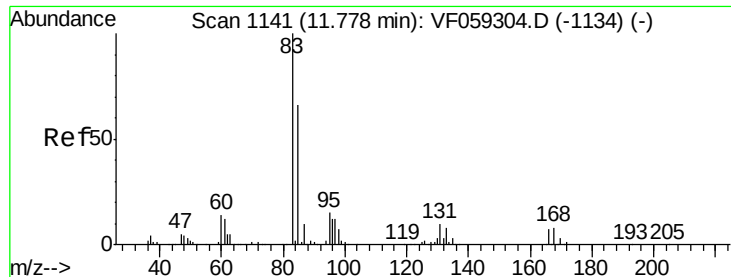
20000

0

11.30 11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.05 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

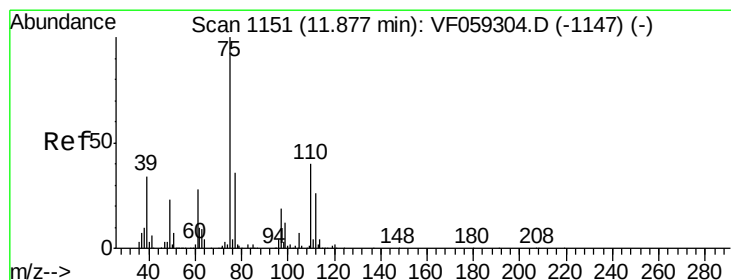
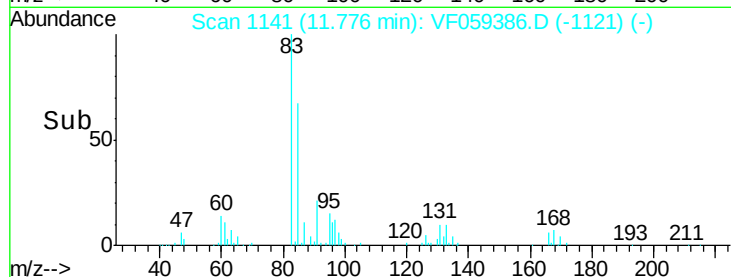
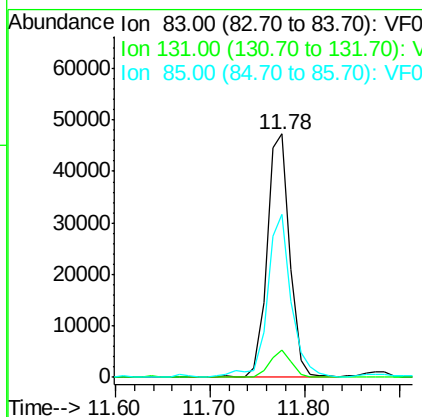
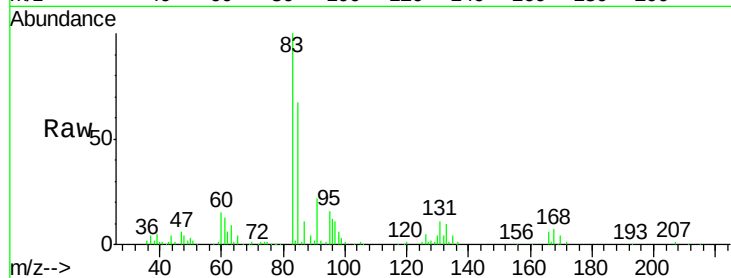
ClientSampleId :

VF0702SBSD01

Tot Ion:	83	Resp:	79813
Ion Ratio	Lower	Upper	
83	100		
131	11.2	4.9	14.6
85	66.8	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 21.33 ug/l

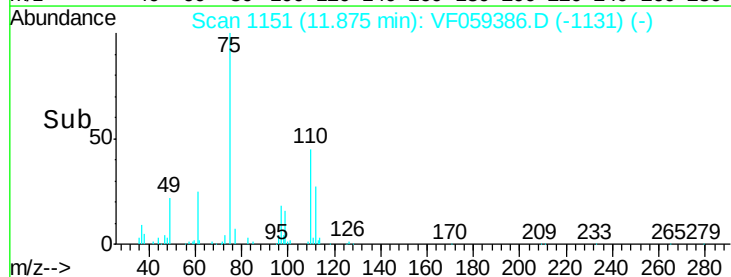
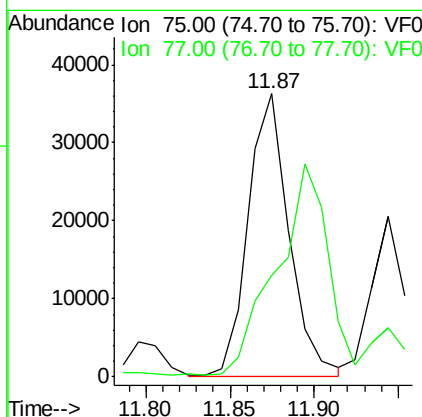
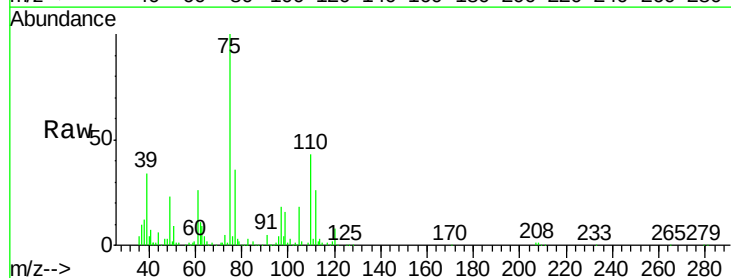
RT: 11.87 min Scan# 1151

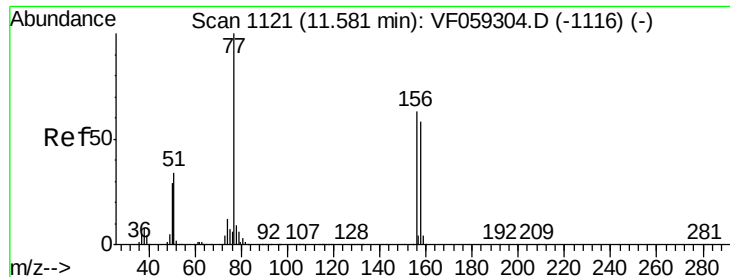
Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Tgt Ion:	75	Resp:	61000
Ion Ratio	Lower	Upper	
75	100		
77	35.7	18.0	54.0





#77

Bromobenzene

Concen: 21.84 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion:156 Resp: 90988

Ion Ratio Lower Upper

156 100

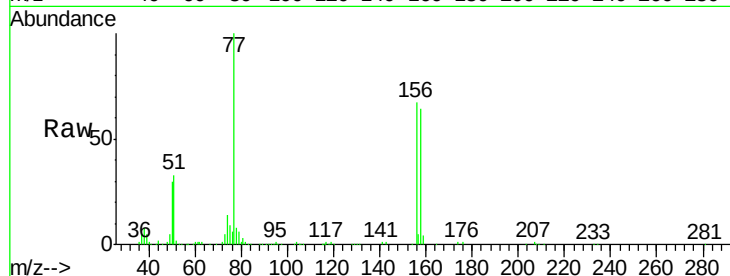
77 150.0 79.7 238.9

158 95.7 46.2 138.6

Manual Integrations
APPROVED

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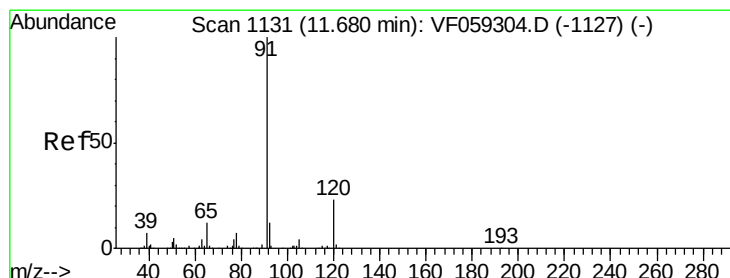
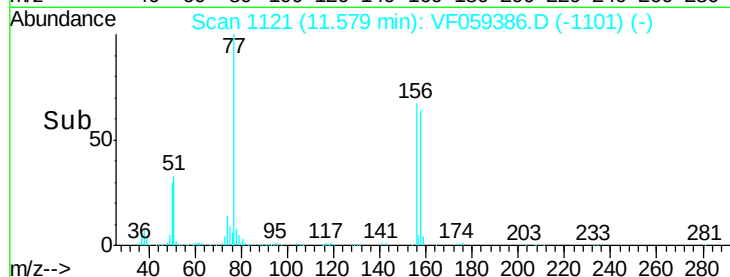
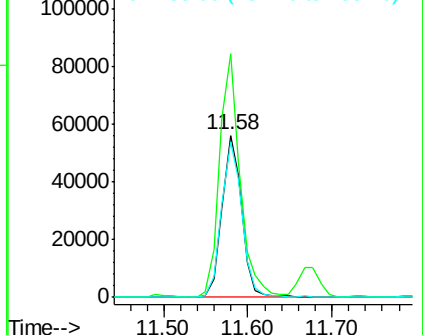
7/3/2018 10:34:38 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.47 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059386.D

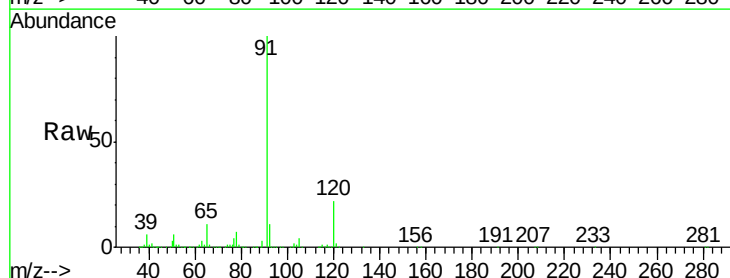
Acq: 2 Jul 2018 14:50

Tgt Ion: 91 Resp: 423248

Ion Ratio Lower Upper

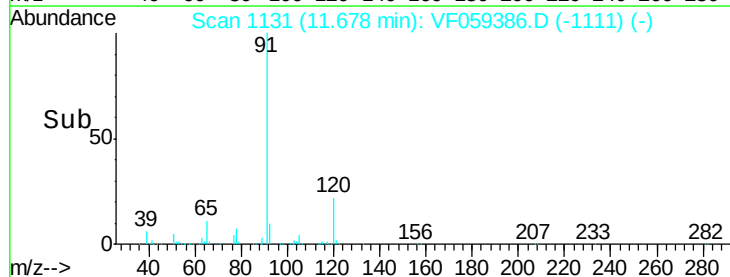
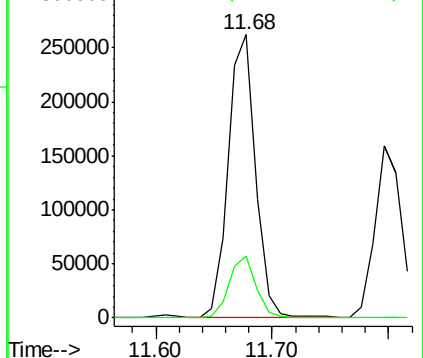
91 100

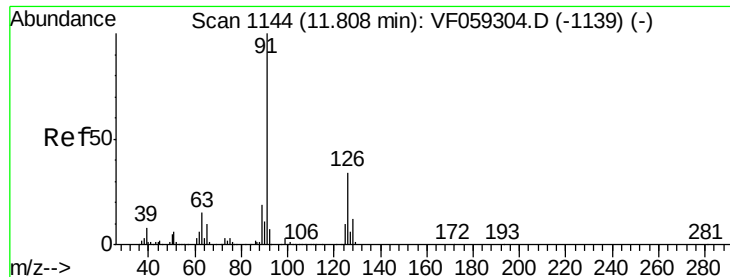
120 22.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.54 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion: 91 Resp: 248301

Ion Ratio Lower Upper

91 100

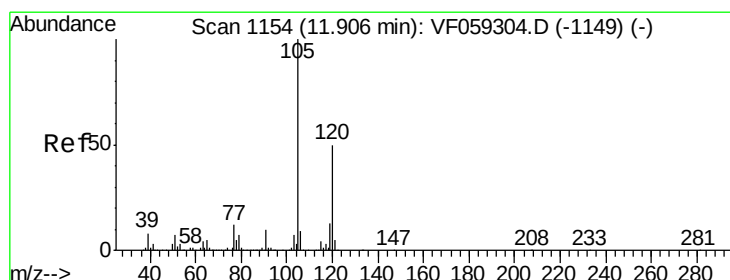
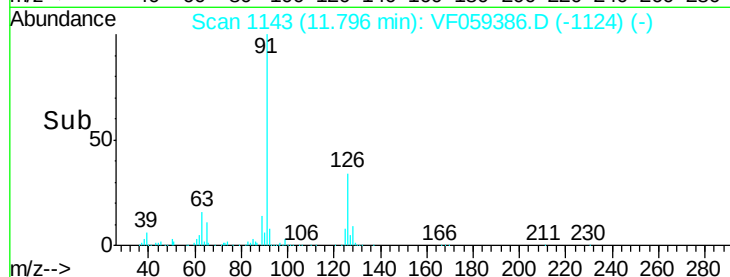
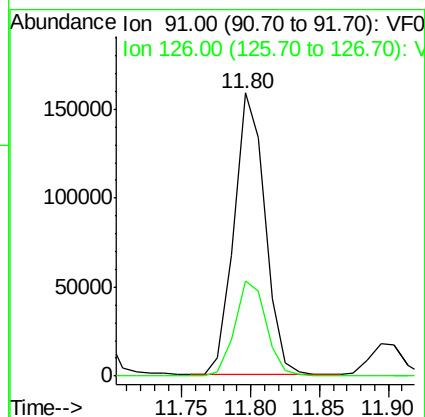
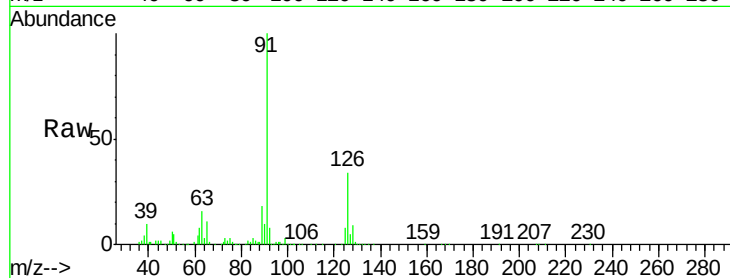
126 33.5 17.2 51.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.53 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059386.D

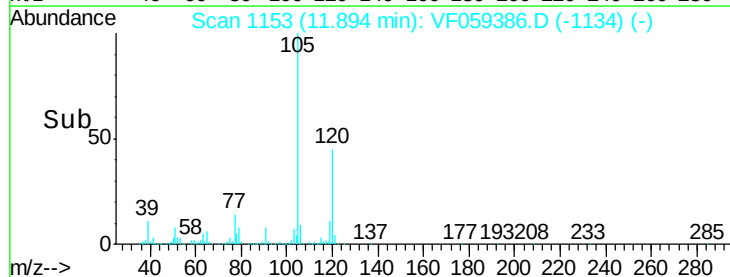
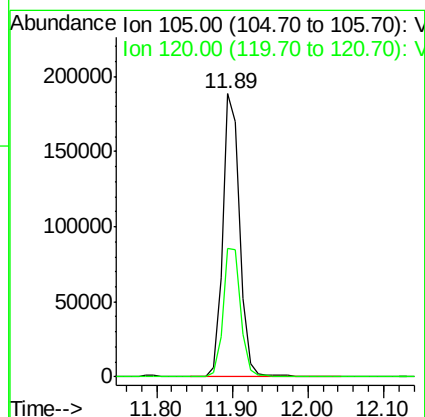
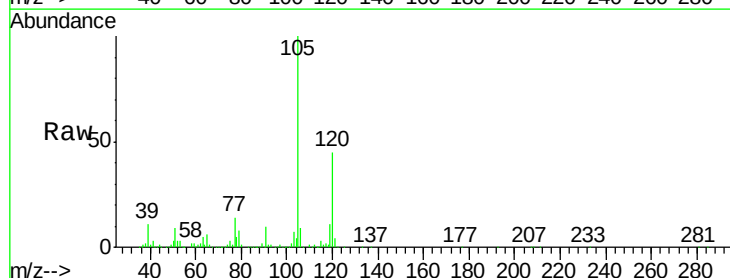
Acq: 2 Jul 2018 14:50

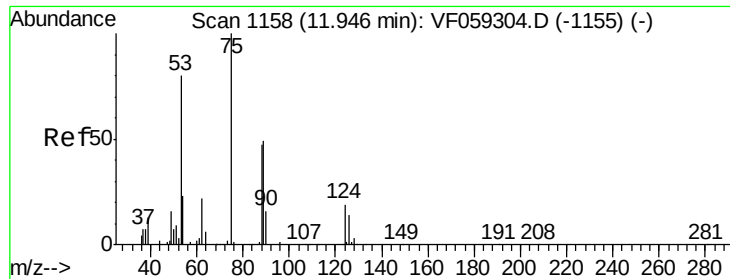
Tgt Ion: 105 Resp: 296369

Ion Ratio Lower Upper

105 100

120 45.2 24.9 74.7





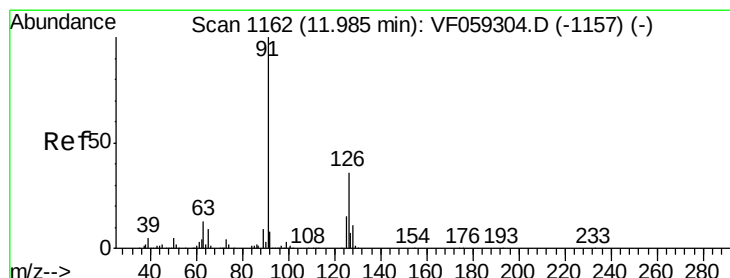
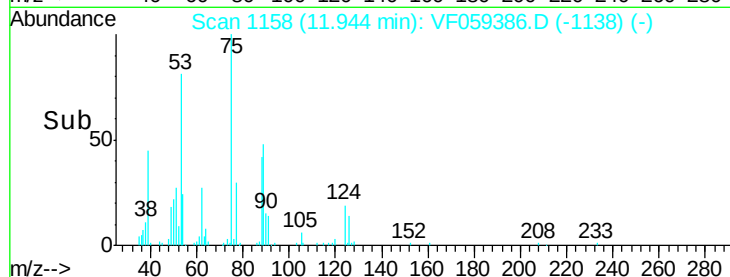
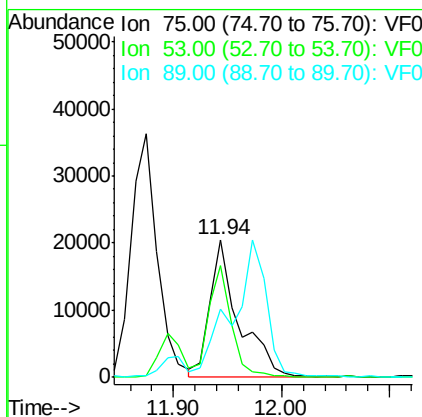
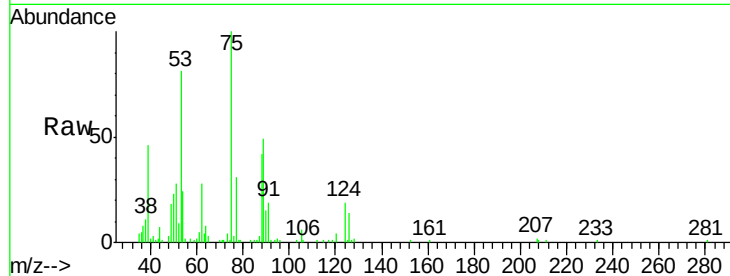
#81
trans-1,4-Dichloro-2-butene
Concen: 22.51 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.2	68.8	103.2
89	49.2	42.0	63.0

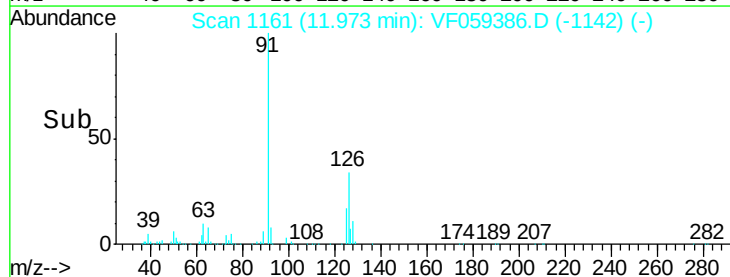
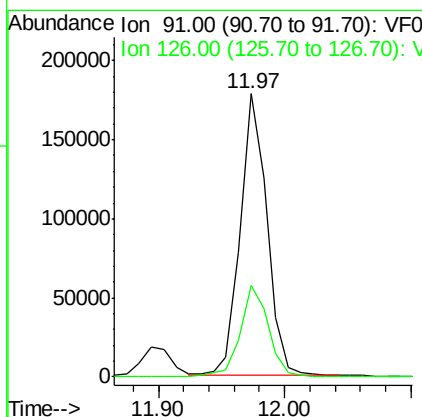
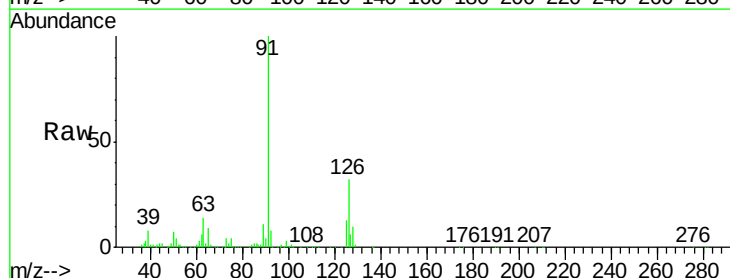
Manual Integrations
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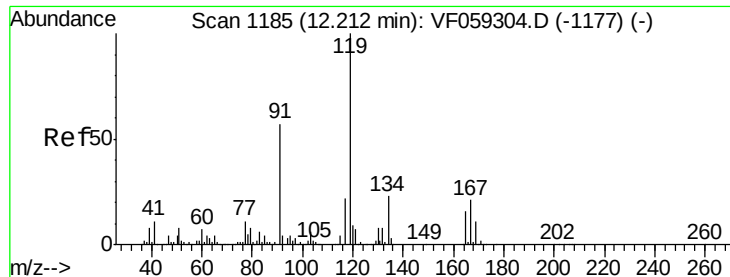
apatel
7/3/2018 10:34:38 AM



#82
4-Chlorotoluene
Concen: 22.07 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	18.2	54.6





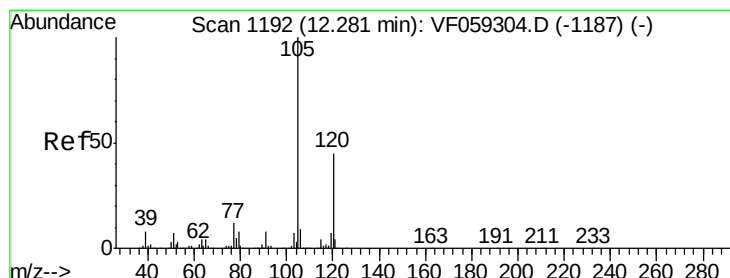
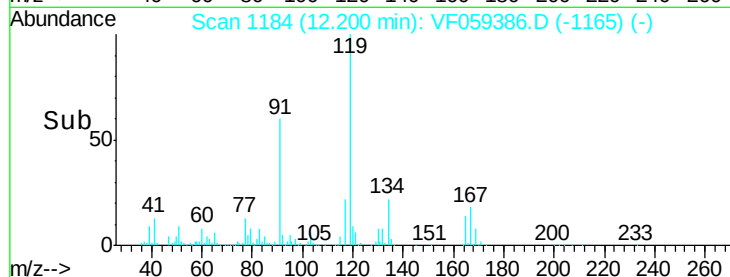
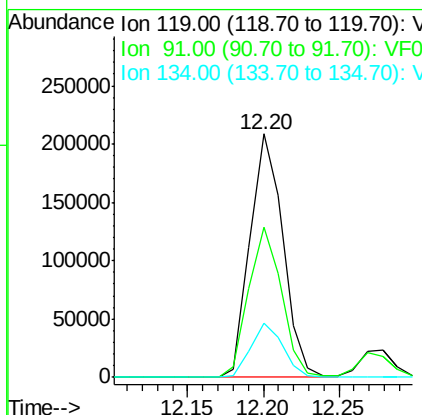
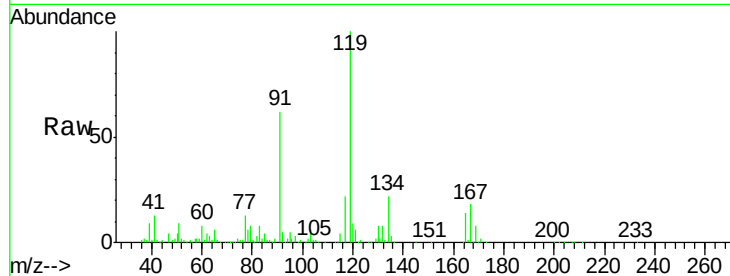
#83
 tert-Butylbenzene
 Concen: 24.20 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	318290		
91	61.5	28.4	85.2	
134	22.2	11.7	35.1	

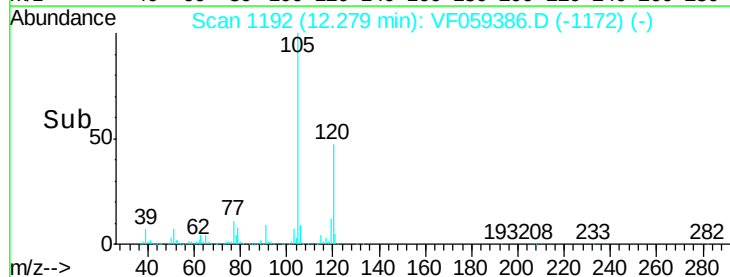
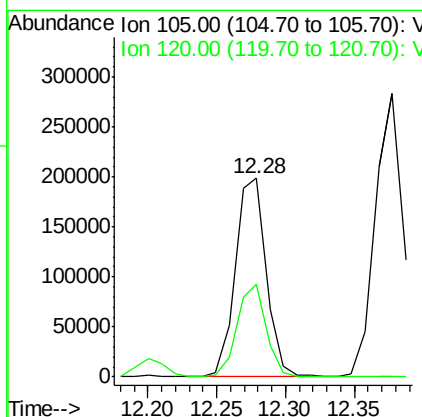
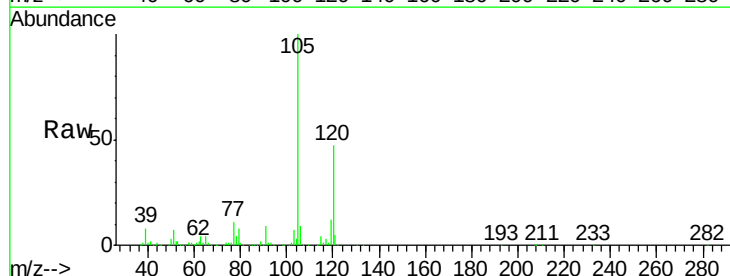
Manual Integrations
 APPROVED

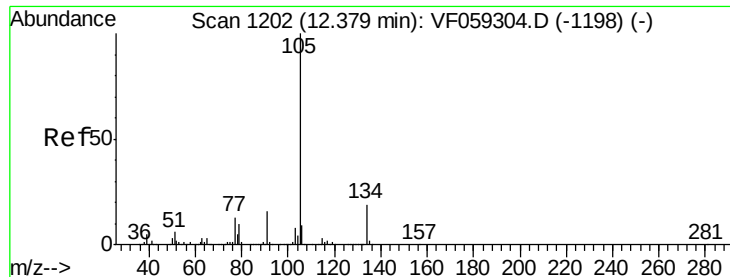
apatel
 7/3/2018 10:34:38 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.47 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	311228		
120	47.0	22.8	68.4	





#85

sec-Butylbenzene

Concen: 23.20 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBSD01

Tot Ion:105 Resp: 404460

Ion Ratio Lower Upper

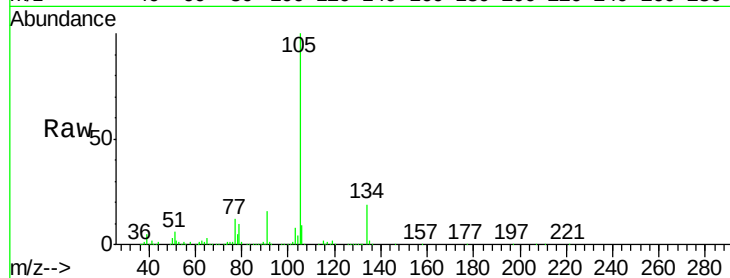
105 100

134 19.1 9.4 28.3

Manual Integrations
APPROVED

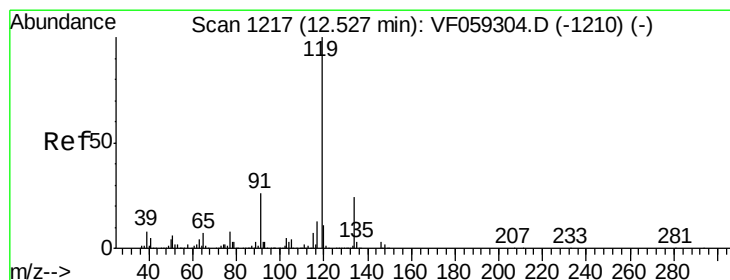
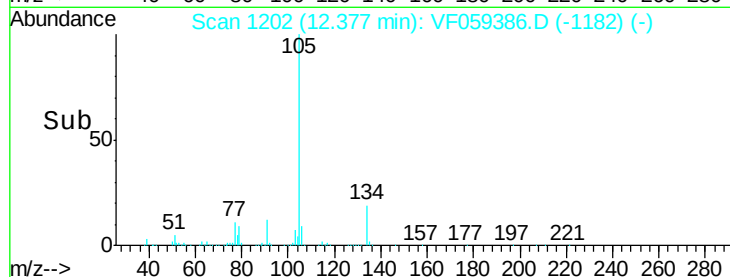
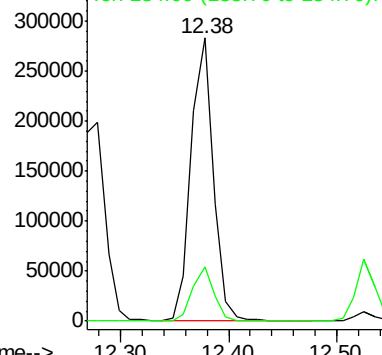
apatel

7/3/2018 10:34:38 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.42 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

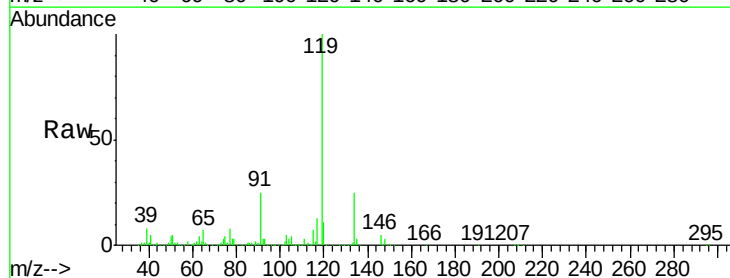
Tgt Ion:119 Resp: 328035

Ion Ratio Lower Upper

119 100

134 24.8 12.2 36.4

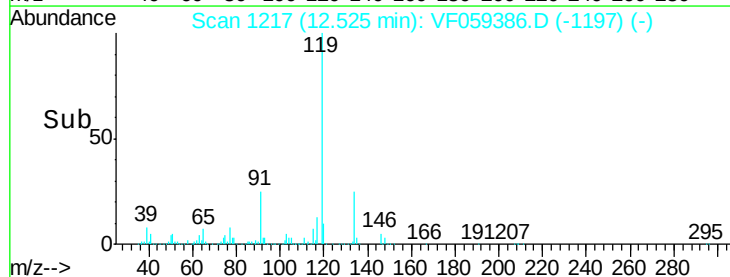
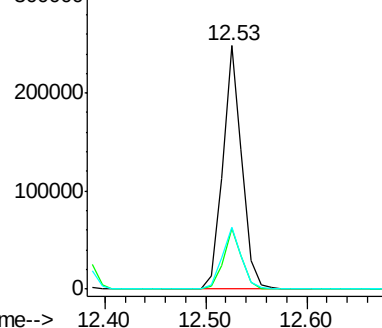
91 25.5 12.9 38.6

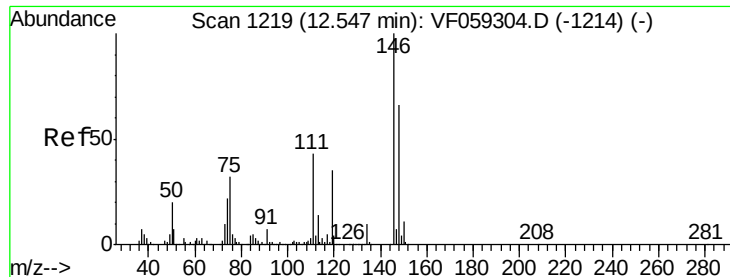


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





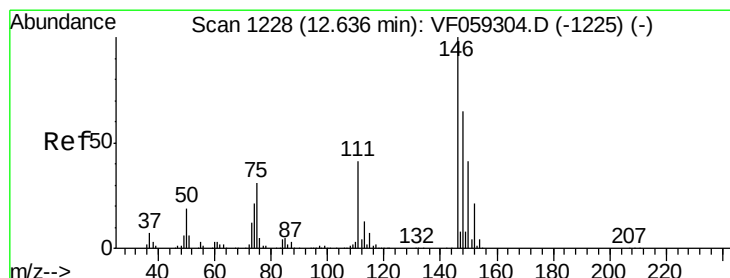
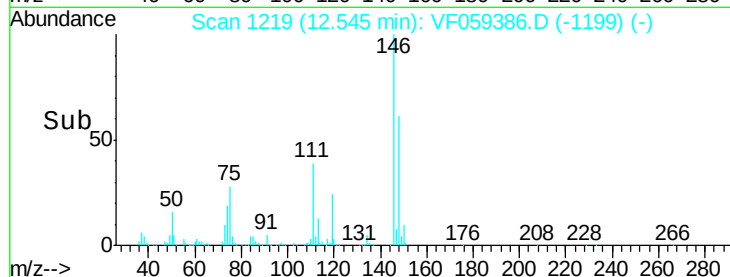
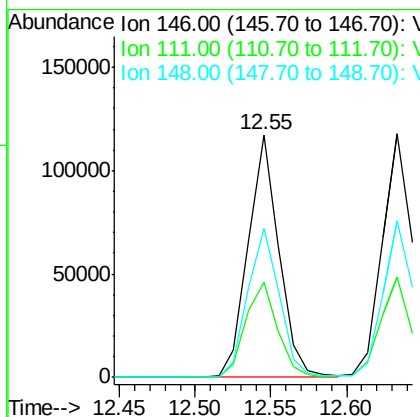
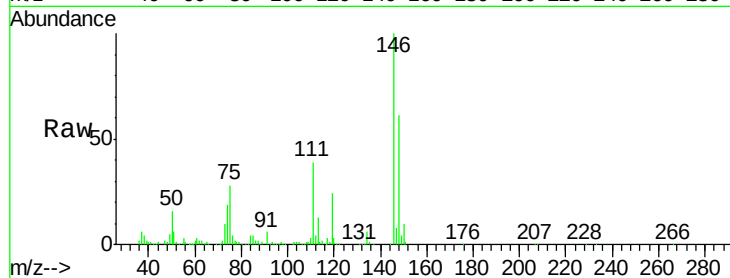
#87
 1,3-Dichlorobenzene
 Concen: 21.76 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.4	64.2
148	61.4	32.8	98.4

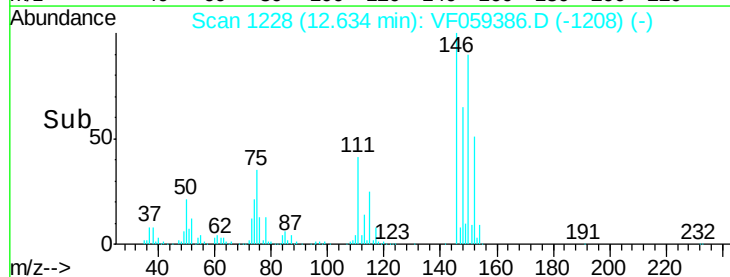
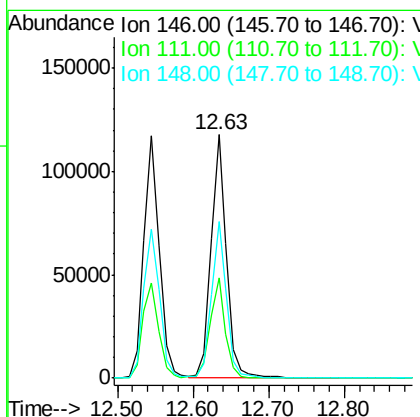
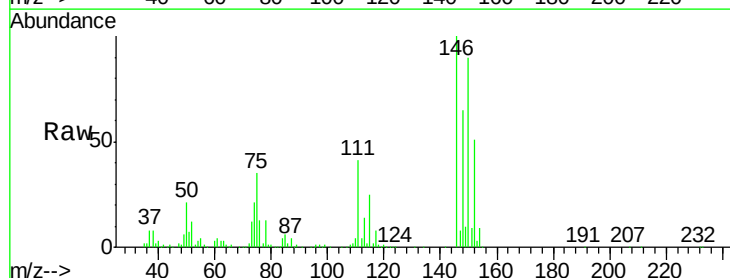
Manual Integrations
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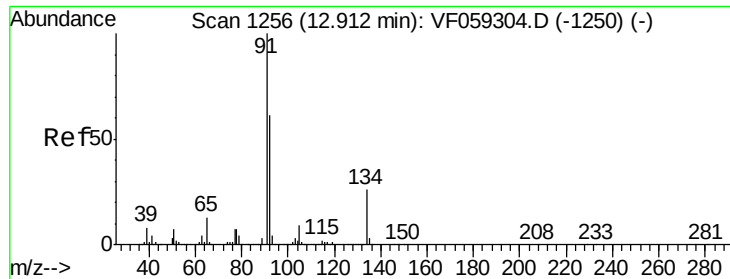
apatel
 7/3/2018 10:34:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 22.84 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	64.5	32.8	98.3





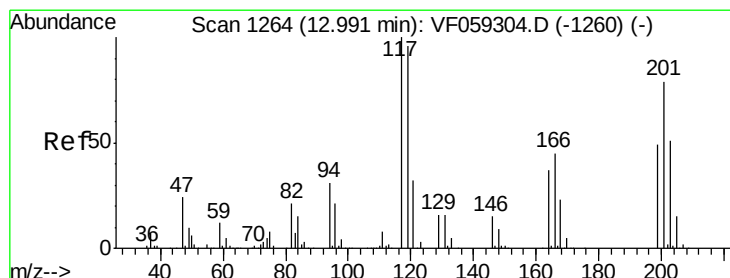
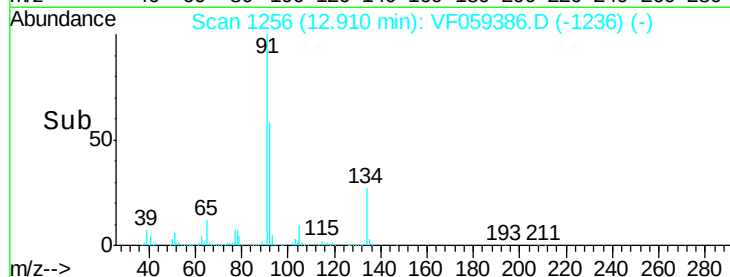
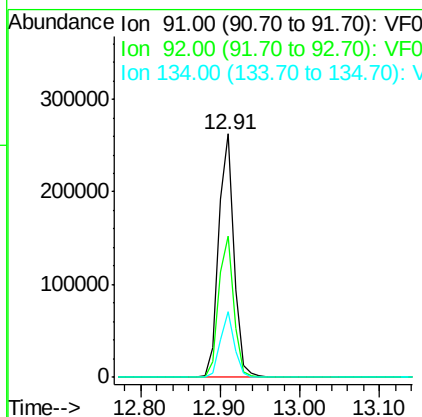
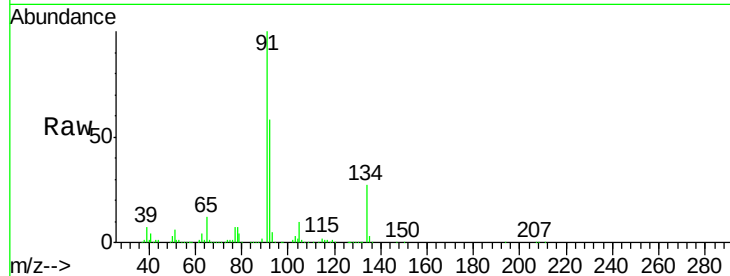
#89
n-Butylbenzene
Concen: 23.96 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.1	30.3	91.0
134	26.8	12.9	38.7

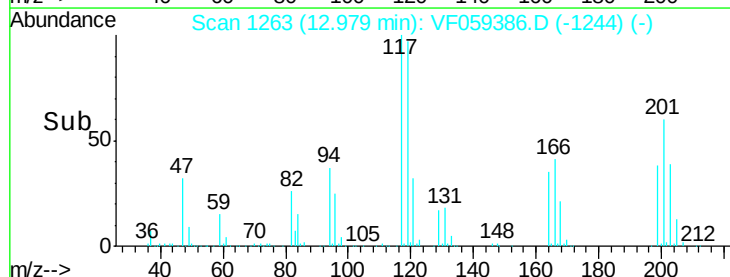
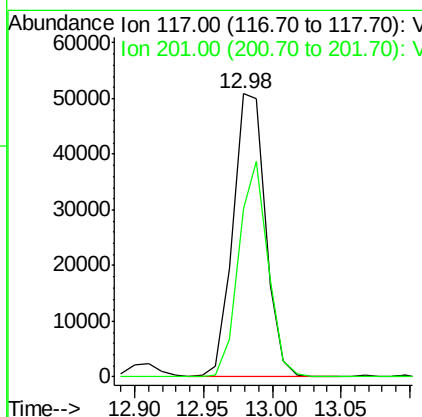
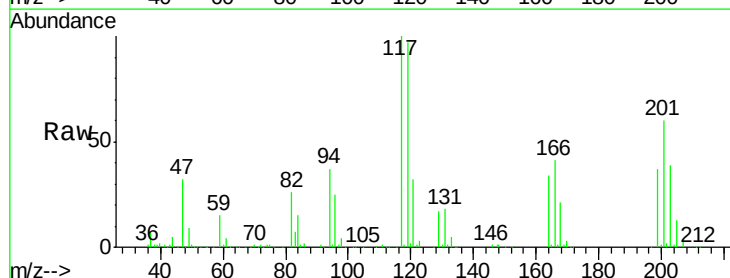
Manual Integrations
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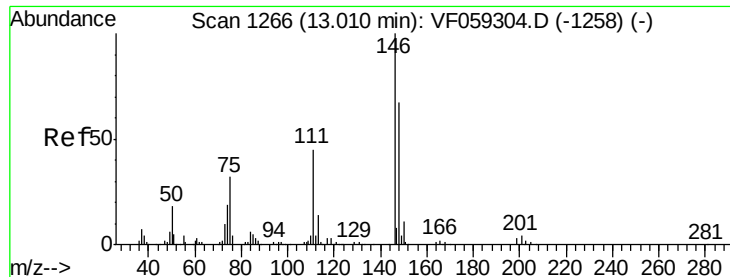
apatel
7/3/2018 10:34:38 AM



#90
Hexachloroethane
Concen: 23.05 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059386.D
Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.2	39.5	118.5





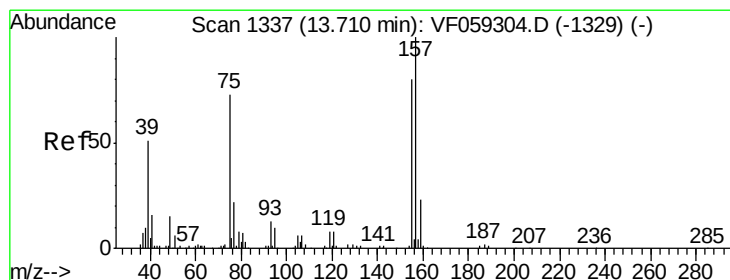
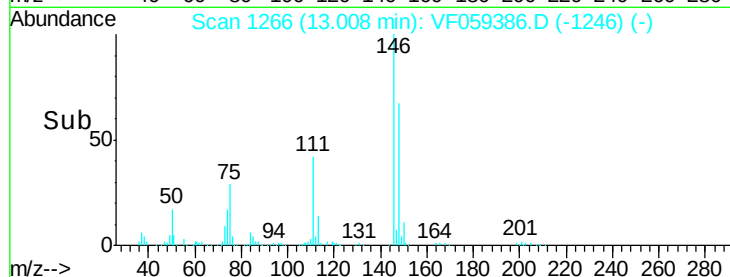
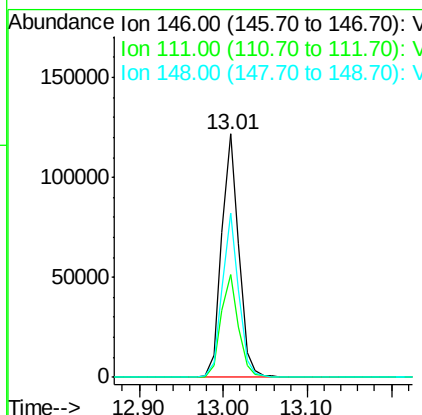
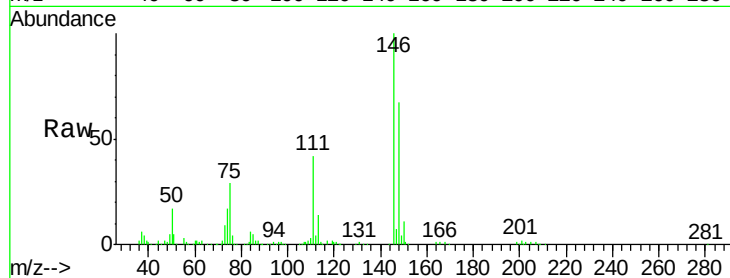
#91
 1,2-Dichlorobenzene
 Concen: 22.82 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	22.7	68.0
148	67.5	33.5	100.4

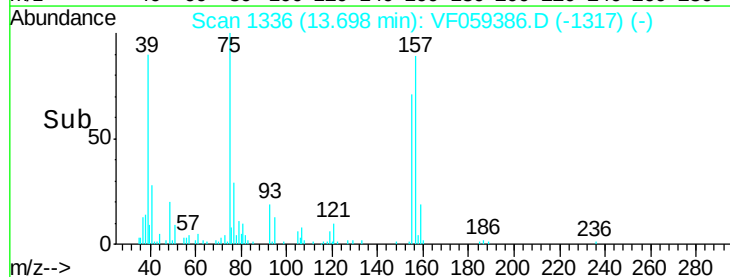
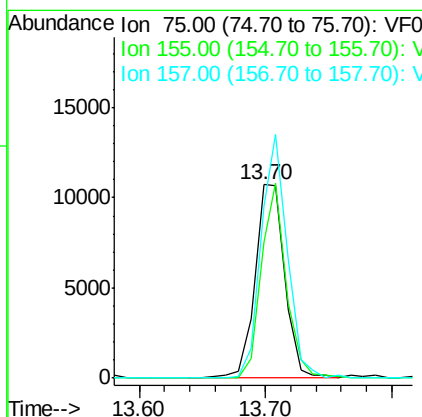
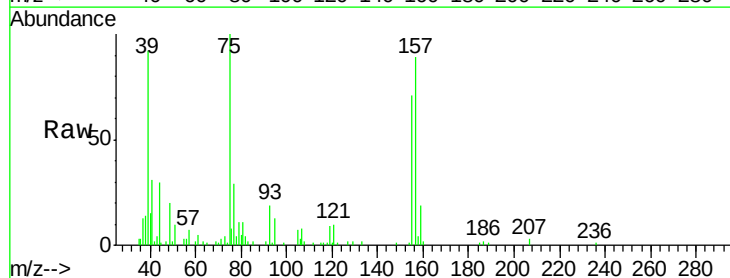
Manual Integrations
 APPROVED

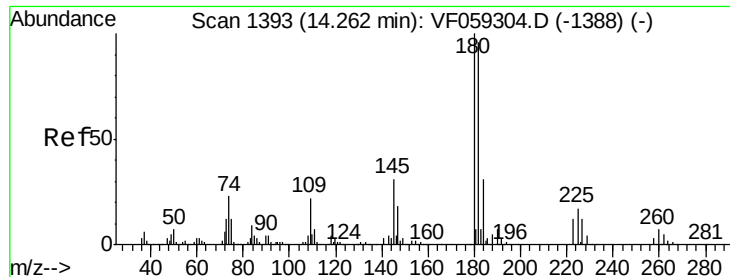
apatel
 7/3/2018 10:34:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.06 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.6	54.6	163.8
157	88.6	68.7	205.9





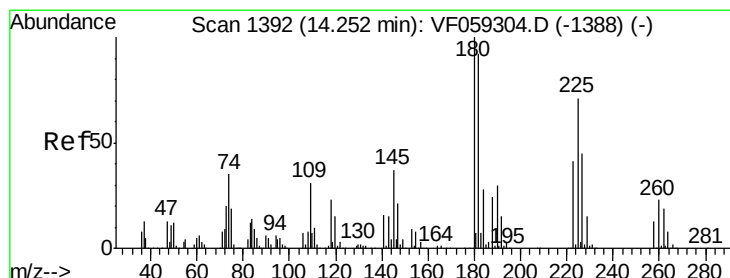
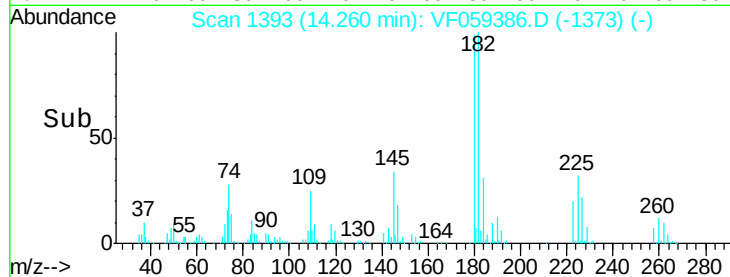
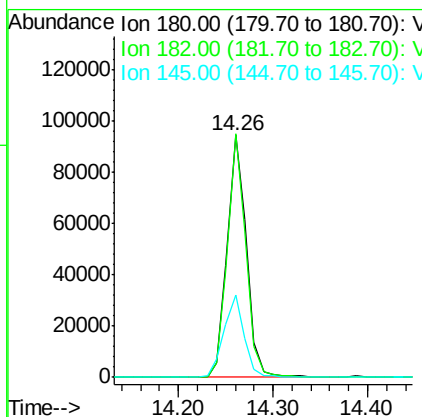
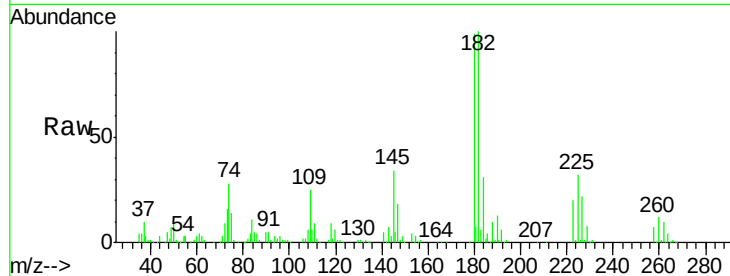
#93
 1,2,4-Trichlorobenzene
 Concen: 23.72 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132658		
182	100.6	48.1	144.3	
145	33.8	15.3	45.8	

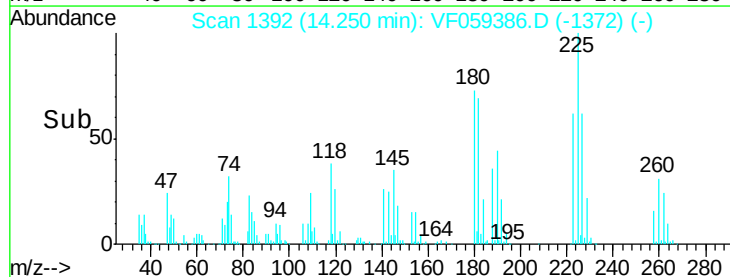
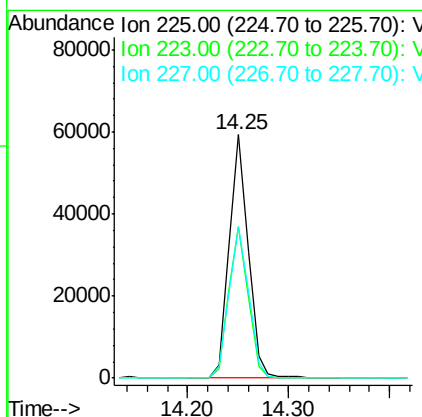
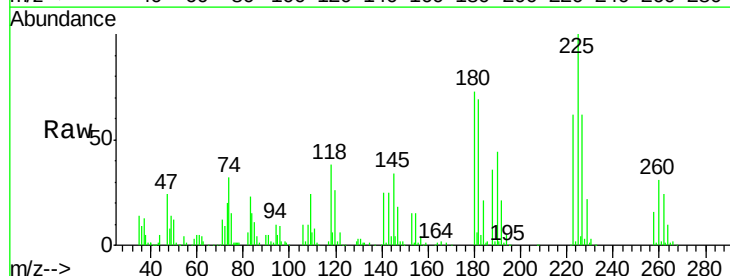
Manual Integrations
 APPROVED

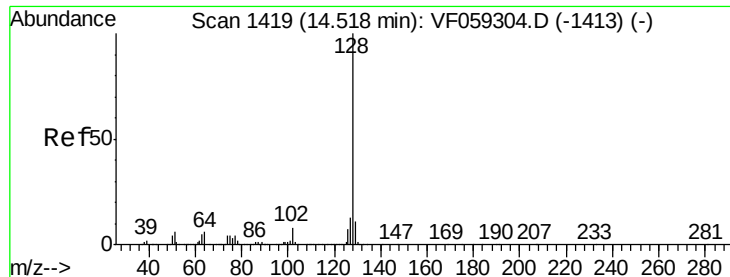
apatel
 7/3/2018 10:34:38 AM



#94
 Hexachlorobutadiene
 Concen: 24.83 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059386.D
 Acq: 2 Jul 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77536		
223	62.3	28.9	86.8	
227	62.3	31.3	93.8	





#95

Naphthalene

Concen: 22.11 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Instrument :

MSVOA_F

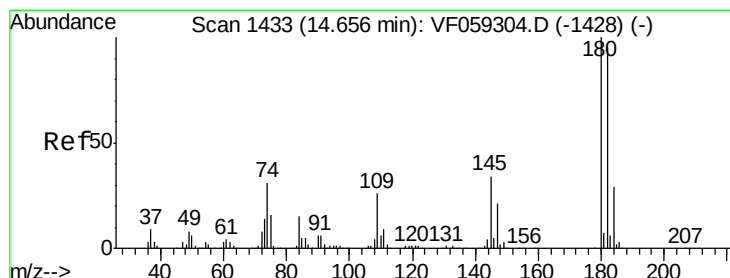
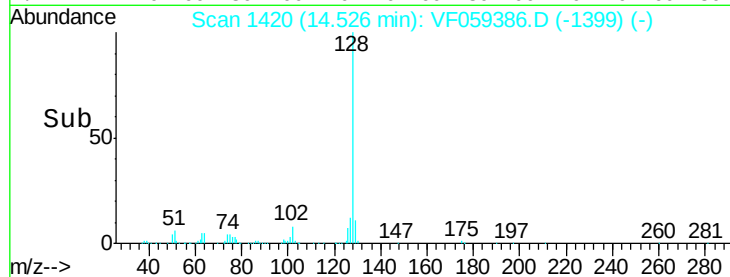
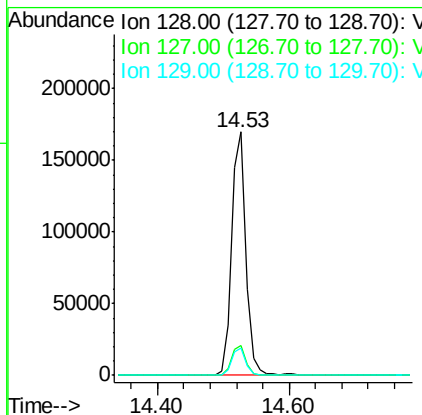
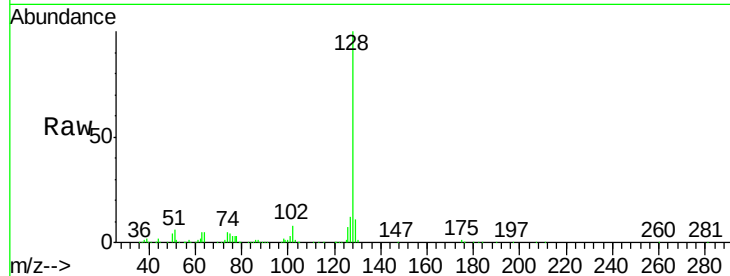
ClientSampleId :

VF0702SBSD01

Tot Ion:	128	Resp:	258640
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.1	15.1
129	11.3	8.8	13.2

Manual Integrations
APPROVED

apatel
7/3/2018 10:34:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 23.17 ug/l

RT: 14.67 min Scan# 1435

Delta R.T. 0.02 min

Lab File: VF059386.D

Acq: 2 Jul 2018 14:50

Tgt Ion:	180	Resp:	122744
Ion Ratio	Lower	Upper	
180	100		
182	100.9	47.5	142.5
145	32.5	17.0	50.9

