

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062518\
 Data File : VF059302.D
 Acq On : 25 Jun 2018 15:18
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
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apatel
 6/26/2018 10:03:10 AM

Quant Time: Jun 26 08:07:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 07:57:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	284473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	442809	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	441215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	281892	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	38831	9.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.36%	
35) Dibromofluoromethane	4.28	113	33891	9.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.64%	
50) Toluene-d8	7.70	98	81950	8.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.80%	
62) 4-Bromofluorobenzene	11.50	95	46705	9.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	27480	8.55	ug/l	94
3) Chloromethane	1.08	50	17038	8.41	ug/l	99
4) Vinyl Chloride	1.14	62	19136	9.55	ug/l	93
5) Bromomethane	1.33	94	12303	9.00	ug/l	96
6) Chloroethane	1.42	64	8804	8.97	ug/l	94
7) Trichlorofluoromethane	1.48	101	37045m	9.44	ug/l	
8) Diethyl Ether	1.69	74	9383	10.32	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	21100	9.51	ug/l	100
10) Methyl Iodide	1.96	142	38063	9.36	ug/l #	94
11) Tert butyl alcohol	2.68	59	14562	59.77	ug/l #	87
12) 1,1-Dichloroethene	1.84	96	17913	9.02	ug/l	82
13) Acrolein	2.08	56	8391	43.20	ug/l	88
14) Allyl chloride	2.18	41	31866	8.67	ug/l	91
15) Acrylonitrile	3.06	53	21351	42.37	ug/l	90
16) Acetone	2.33	43	56051	57.27	ug/l	94
17) Carbon Disulfide	1.83	76	39252	8.21	ug/l	98
18) Methyl Acetate	2.44	43	18720	10.15	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	70205	10.50	ug/l	97
20) Methylene Chloride	2.27	84	35776m	16.76	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	18383	9.00	ug/l	95
22) Diisopropyl ether	2.92	45	70952	9.29	ug/l	96
23) Vinyl Acetate	3.32	43	248615	50.81	ug/l	100
24) 1,1-Dichloroethane	2.99	63	45321	9.19	ug/l	98
25) 2-Butanone	4.50	43	63347	49.59	ug/l	95
26) 2,2-Dichloropropane	3.75	77	33445	9.78	ug/l	90
27) cis-1,2-Dichloroethene	3.63	96	28557	9.18	ug/l	79
28) Bromochloromethane	3.87	49	23666	11.48	ug/l	87
29) Tetrahydrofuran	4.24	42	29203	51.01	ug/l	95
30) Chloroform	4.03	83	65637	9.21	ug/l	96
31) Cyclohexane	3.85	56	31971	9.57	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	49728	9.30	ug/l	98
36) 1,1-Dichloropropene	4.44	75	38668	8.63	ug/l	95
37) Ethyl Acetate	4.28	43	26750	9.08	ug/l #	75
38) Carbon Tetrachloride	4.16	117	51756	9.36	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	37148	9.22	ug/l	95
40) Benzene	4.80	78	91107	9.50	ug/l	98
41) Methacrylonitrile	4.90	41	12682	9.04	ug/l #	90
42) 1,2-Dichloroethane	5.10	62	51194	9.30	ug/l	94
43) Isopropyl Acetate	7.11	43	31858	8.98	ug/l #	80
44) Trichloroethene	5.67	130	32485	9.85	ug/l	86
45) 1,2-Dichloropropane	6.39	63	25807	9.28	ug/l	95
46) Dibromomethane	6.25	93	22322	9.36	ug/l #	88
47) Bromodichloromethane	6.53	83	51765	9.10	ug/l	97
48) Methyl methacrylate	6.86	41	21185	9.33	ug/l	93
49) 1,4-Dioxane	6.86	88	2621	197.02	ug/l #	76
51) 4-Methyl-2-Pentanone	8.40	43	126941	49.57	ug/l	98
52) Toluene	7.77	92	67777	9.14	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	46058	8.67	ug/l	91
54) cis-1,3-Dichloropropene	7.44	75	50394	8.92	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	25210	8.80	ug/l	99
56) Ethyl methacrylate	8.75	69	30361	9.22	ug/l	91
57) 1,3-Dichloropropane	8.99	76	44590	9.41	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.77	63	11832	45.20	ug/l	100
59) 2-Hexanone	9.62	43	106108	51.80	ug/l	99
60) Dibromochloromethane	8.85	129	38019	8.96	ug/l	96
61) 1,2-Dibromoethane	9.13	107	29886	8.98	ug/l	100
64) Tetrachloroethene	8.30	164	30352	9.22	ug/l	95
65) Chlorobenzene	9.93	112	86031	9.44	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	38167	9.93	ug/l	97
67) Ethyl Benzene	10.02	91	149781	9.69	ug/l	93
68) m/p-Xylenes	10.26	106	108339	19.62	ug/l	96
69) o-Xylene	10.82	106	55073	9.00	ug/l	99
70) Styrene	10.89	104	87263	9.39	ug/l	99
71) Bromoform	10.88	173	24656	9.04	ug/l #	97
73) Isopropylbenzene	11.22	105	168162	8.94	ug/l	100
74) N-amyl acetate	11.45	43	61232	9.76	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	44649	9.92	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	33700	10.24	ug/l	92
77) Bromobenzene	11.59	156	46457	9.12	ug/l	80
78) n-propylbenzene	11.68	91	214703	9.70	ug/l	95
79) 2-Chlorotoluene	11.81	91	129087	9.69	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	149561	9.42	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	18488	8.89	ug/l #	89
82) 4-Chlorotoluene	11.99	91	134254	9.33	ug/l	100
83) tert-Butylbenzene	12.20	119	155734	9.71	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	158507	9.44	ug/l	99
85) sec-Butylbenzene	12.38	105	208898	9.70	ug/l	98
86) p-Isopropyltoluene	12.53	119	176796	10.01	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	93801	10.26	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	84777	9.42	ug/l	97
89) n-Butylbenzene	12.91	91	183476	10.22	ug/l	94
90) Hexachloroethane	12.99	117	41653	9.36	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	87570	9.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9736	10.01	ug/l	75

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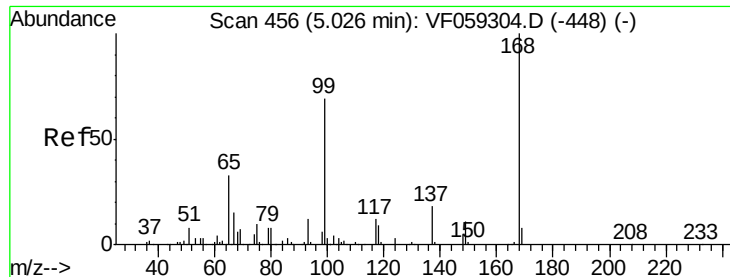
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	65643	9.88	ug/l	95
94) Hexachlorobutadiene	14.25	225	36999	9.51	ug/l	92
95) Naphthalene	14.52	128	123656	9.03	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	60052	9.61	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 284473

Ion Ratio Lower Upper

168 100

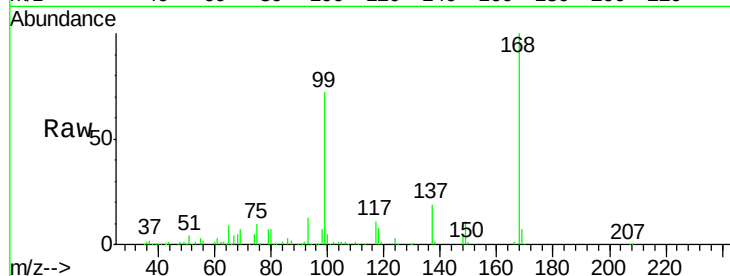
99 72.5 54.9 82.3

Manual Integrations

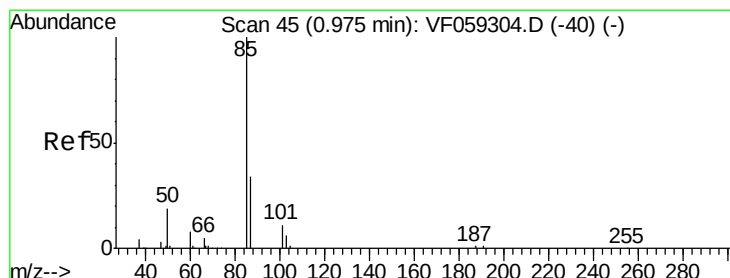
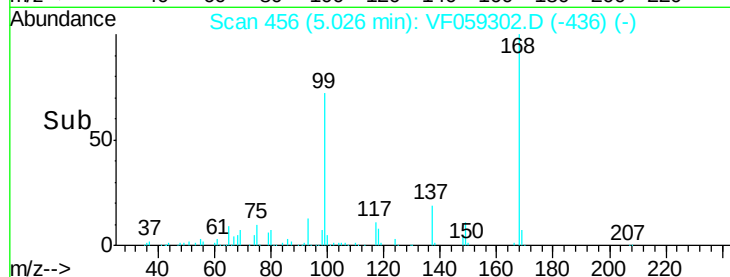
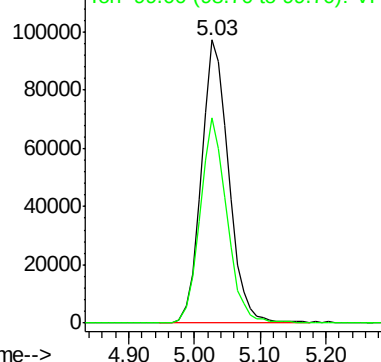
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 8.55 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059302.D

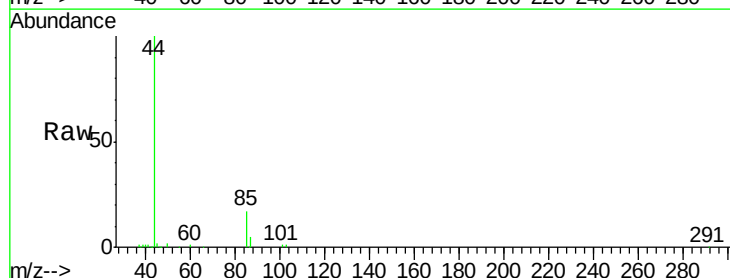
Acq: 25 Jun 2018 15:18

Tgt Ion: 85 Resp: 27480

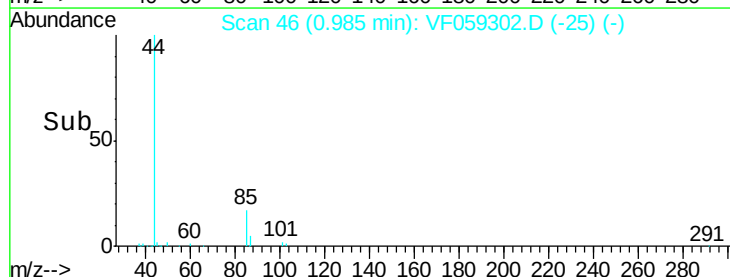
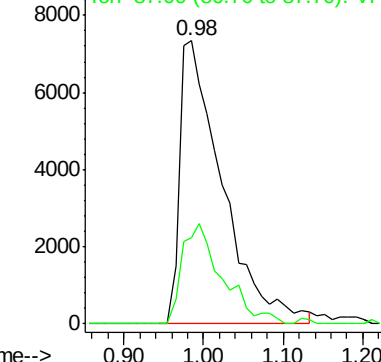
Ion Ratio Lower Upper

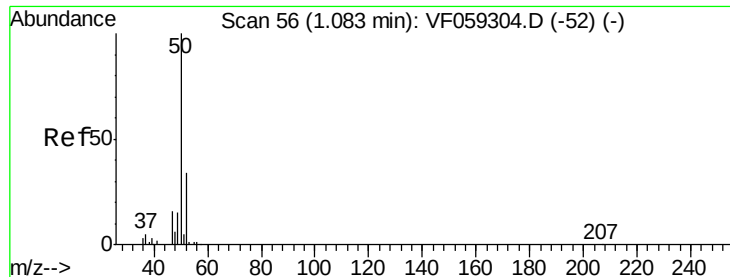
85 100

87 30.7 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 8.41 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 17038

Ion Ratio Lower Upper

50 100

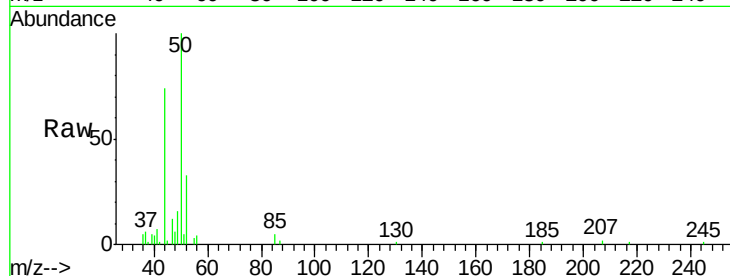
52 33.0 26.7 40.1

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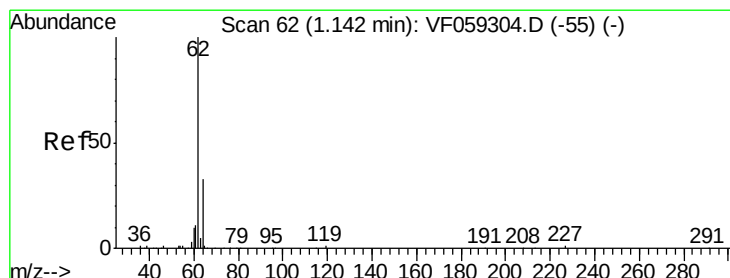
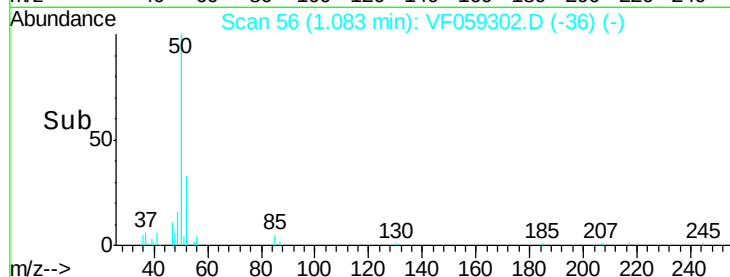
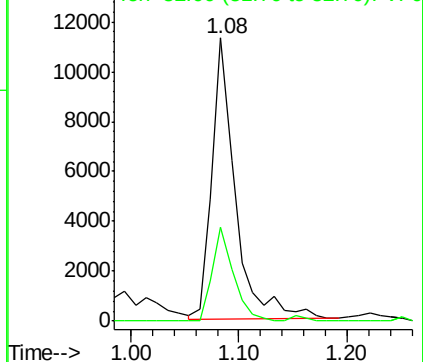
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 9.55 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059302.D

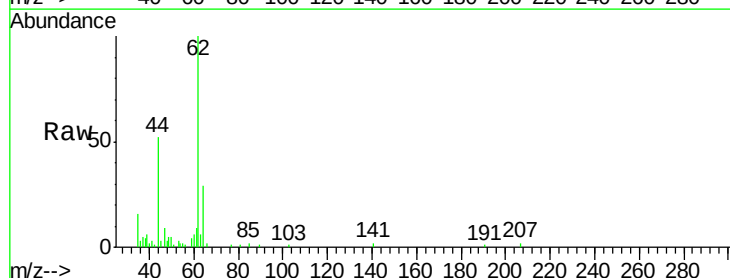
Acq: 25 Jun 2018 15:18

Tgt Ion: 62 Resp: 19136

Ion Ratio Lower Upper

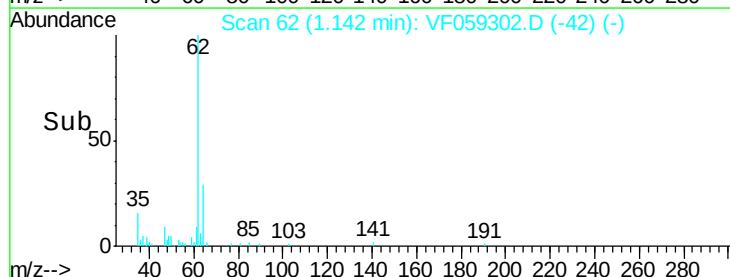
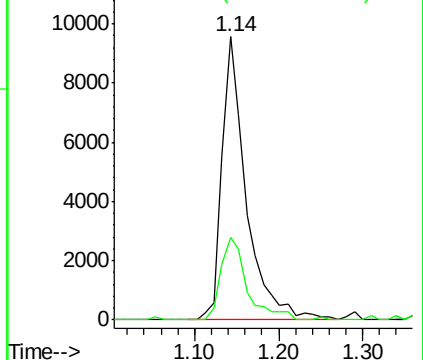
62 100

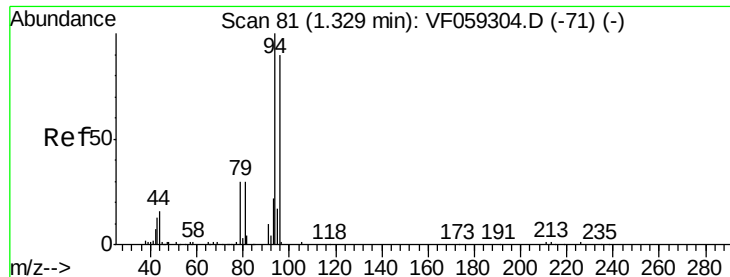
64 29.1 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 9.00 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 12303

Ion Ratio Lower Upper

94 100

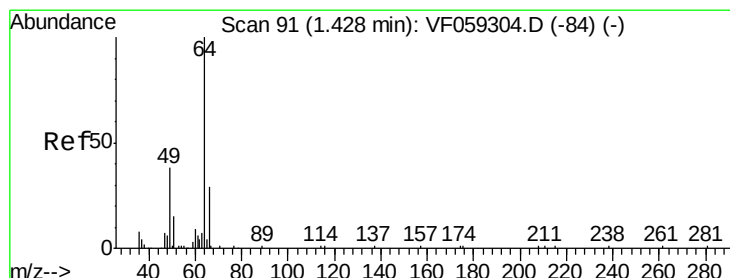
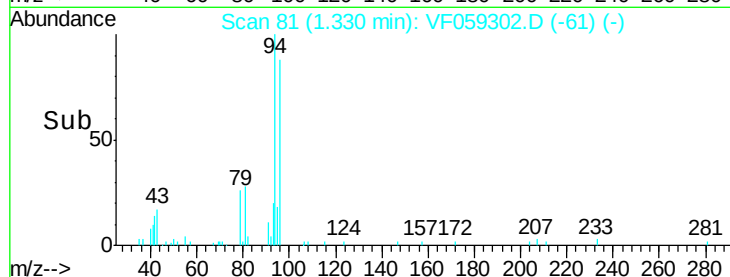
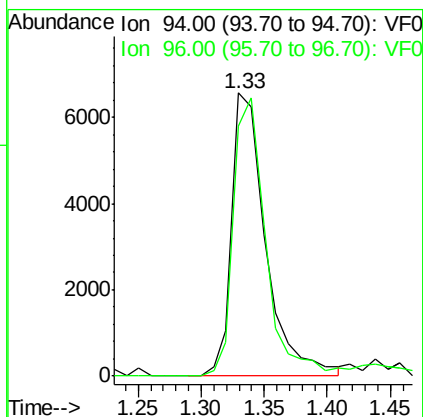
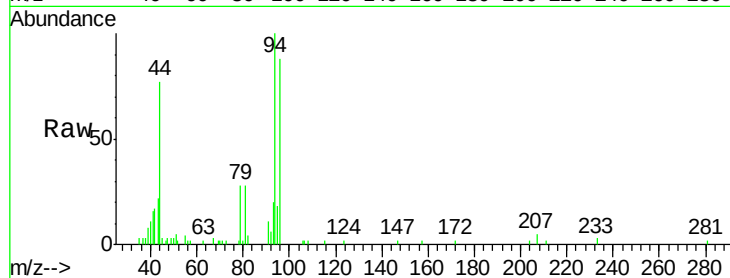
96 88.3 73.4 110.0

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6/26/2018 10:03:10 AM



#6

Chloroethane

Concen: 8.97 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059302.D

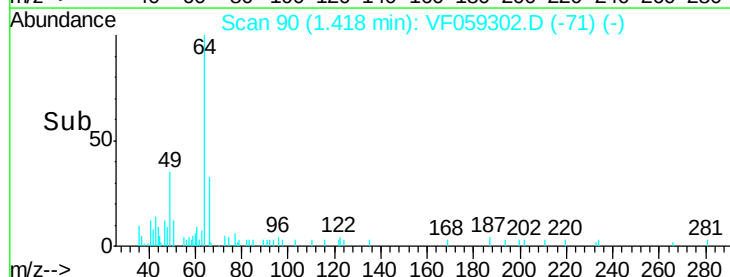
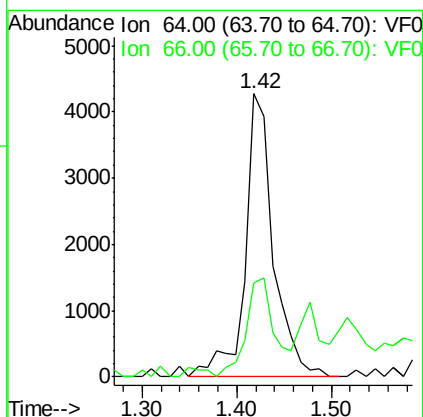
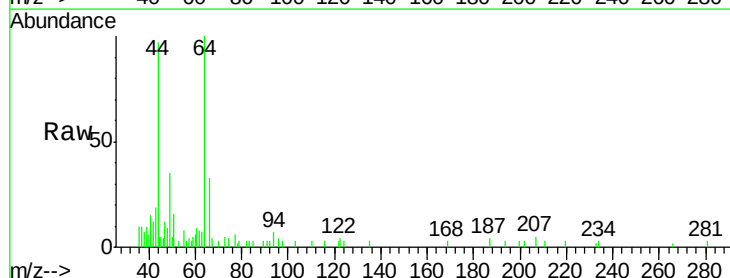
Acq: 25 Jun 2018 15:18

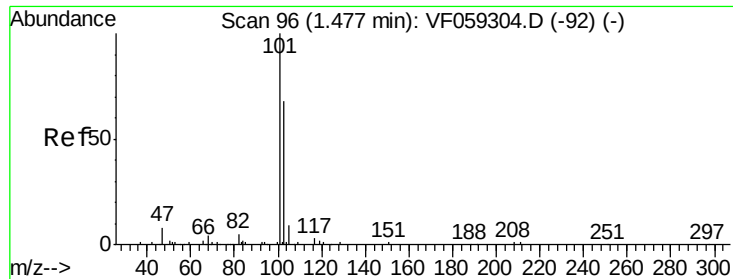
Tgt Ion: 64 Resp: 8804

Ion Ratio Lower Upper

64 100

66 33.0 23.9 35.9





#7

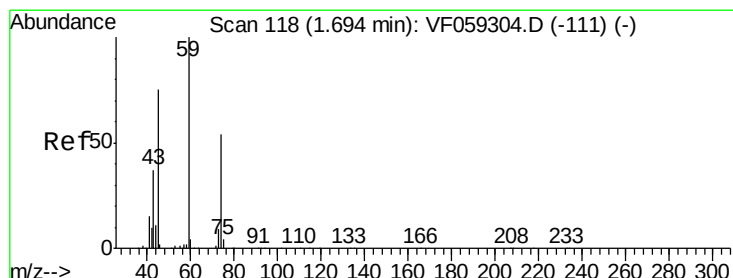
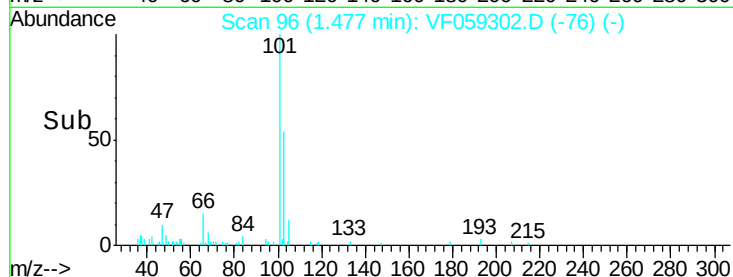
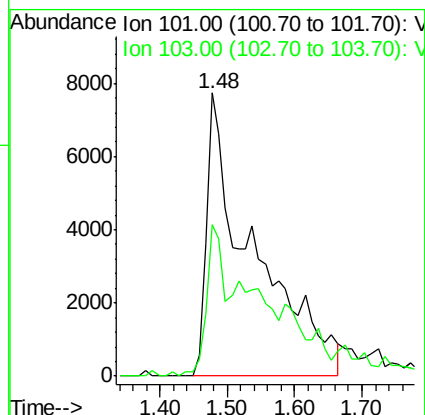
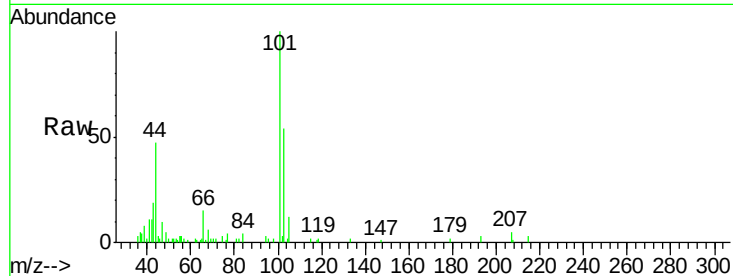
Trichlorofluoromethane
Concen: 9.44 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. 0.00 min
Lab File: VF059302.D
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ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	53.7	54.2	81.2#

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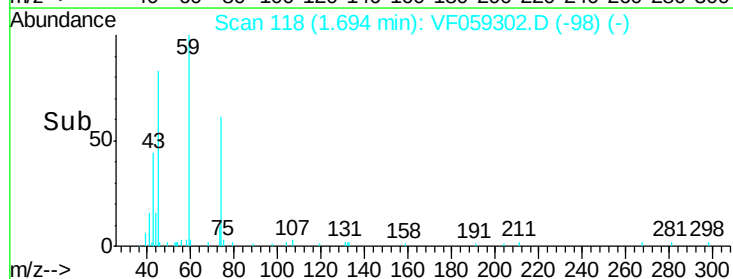
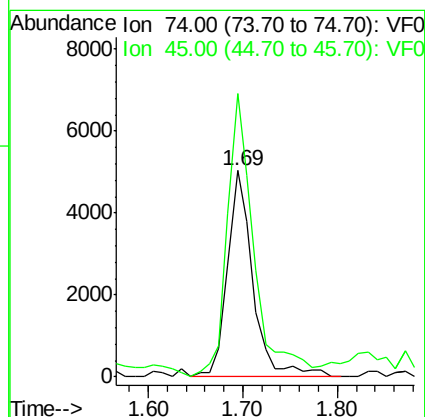
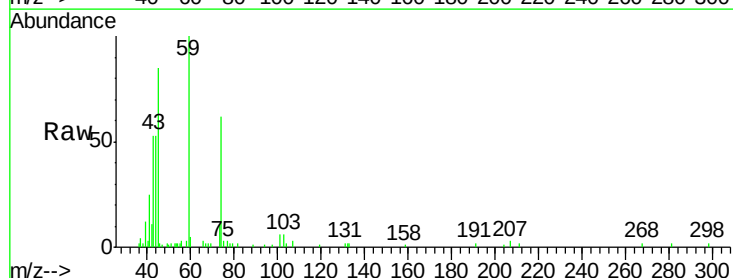
apatel
6/26/2018 10:03:10 AM

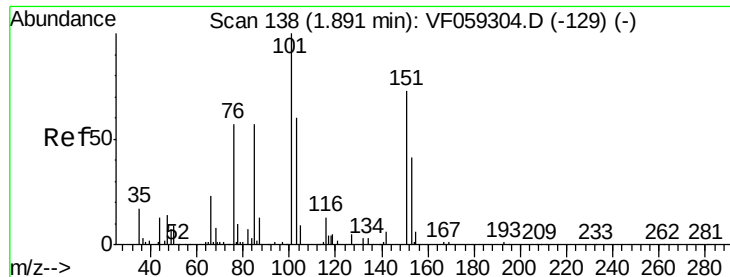


#8

Diethyl Ether
Concen: 10.32 ug/l
RT: 1.69 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	137.4	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.51 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059302.D

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Instrument :

MSVOA_F

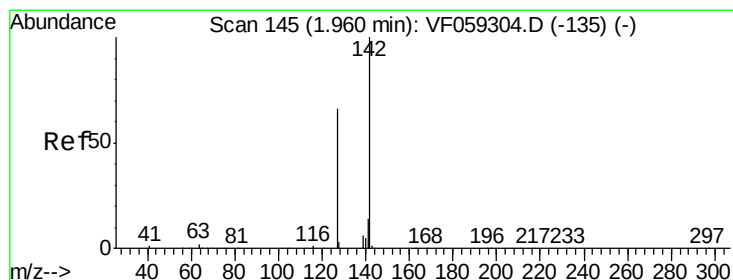
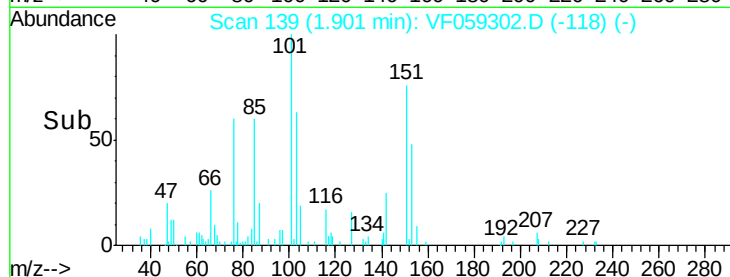
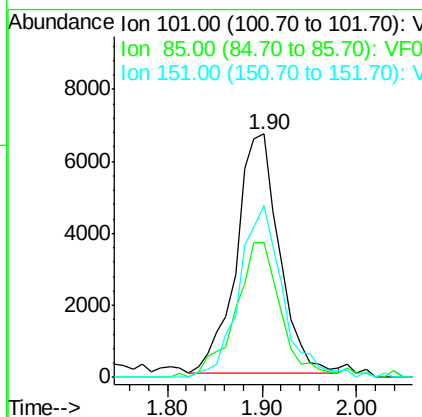
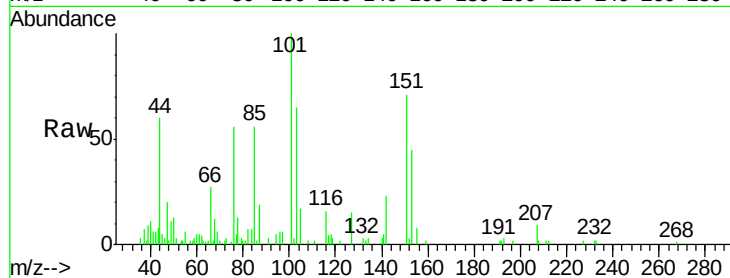
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	21100
Ion Ratio	Lower	Upper	
101	100		
85	55.6	44.5	66.7
151	70.7	56.8	85.2

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#10

Methyl Iodide

Concen: 9.36 ug/l

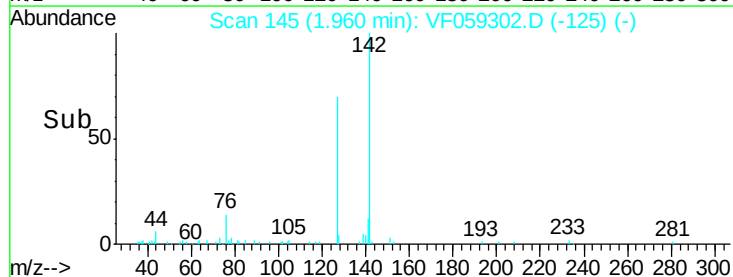
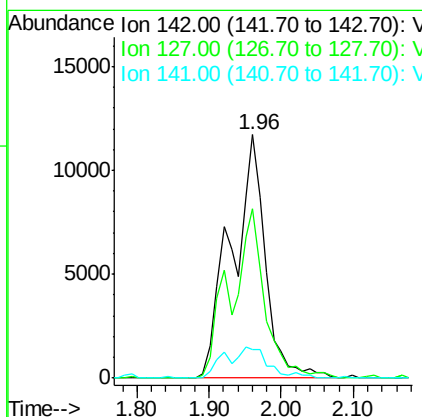
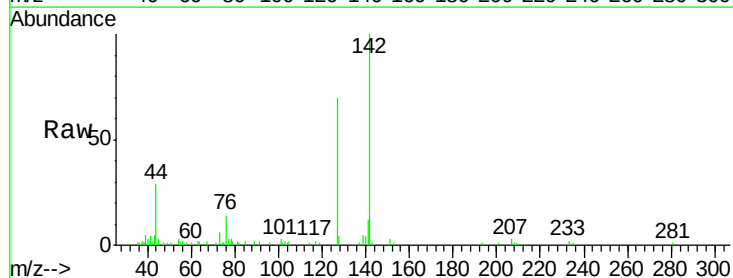
RT: 1.96 min Scan# 145

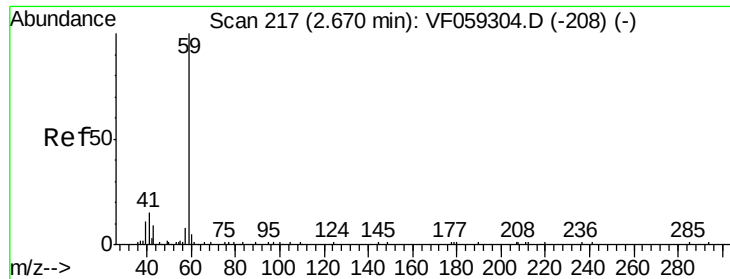
Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Tgt Ion:	142	Resp:	38063
Ion Ratio	Lower	Upper	
142	100		
127	69.7	52.5	78.7
141	11.5	11.5	17.3#





#11

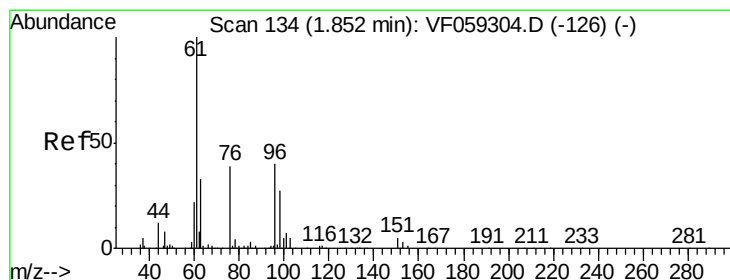
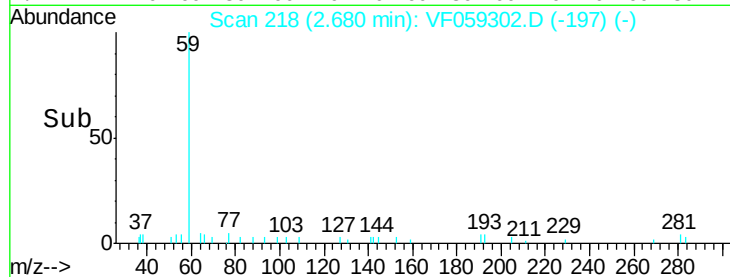
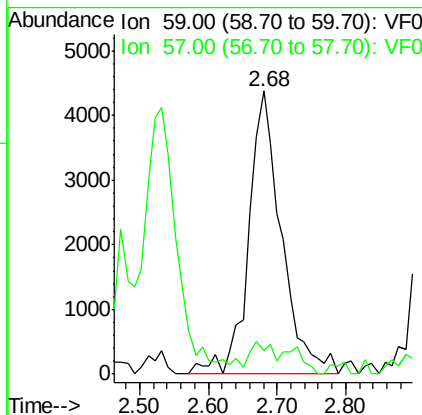
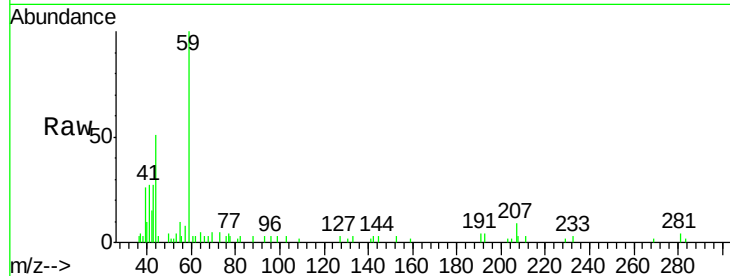
Tert butyl alcohol
 Concen: 59.77 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.01 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	11.0	16.4#

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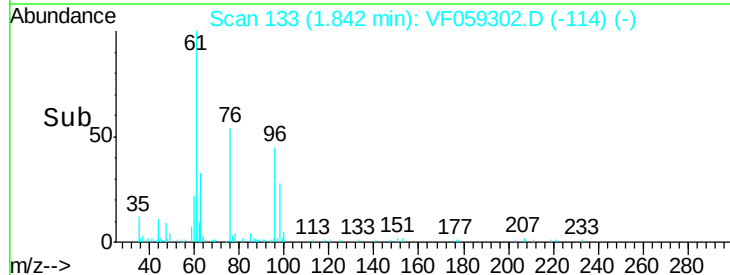
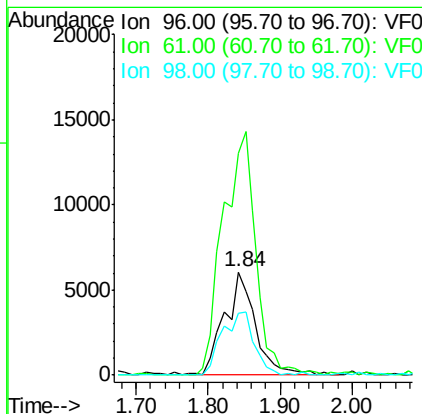
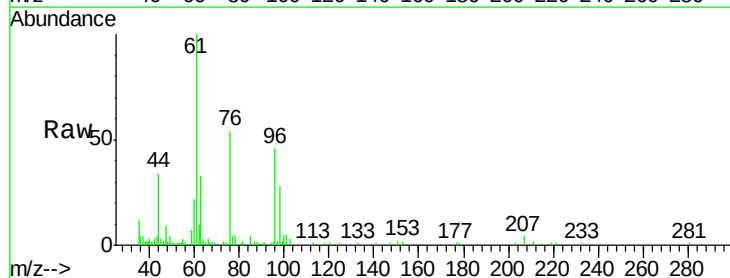
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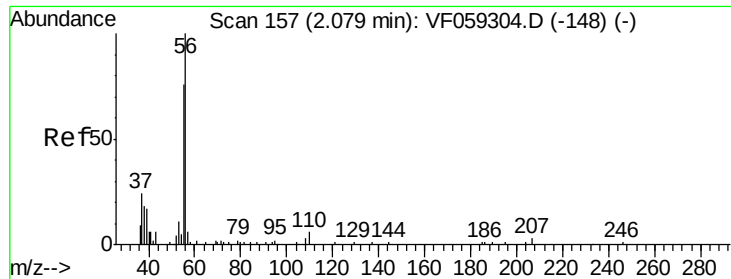


#12

1,1-Dichloroethene
 Concen: 9.02 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	215.1	201.1	301.7
98	60.5	53.9	80.9





#13

Acrolein

Concen: 43.20 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 8391

Ion Ratio Lower Upper

56 100

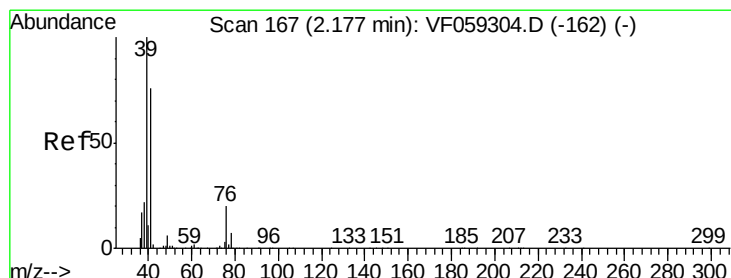
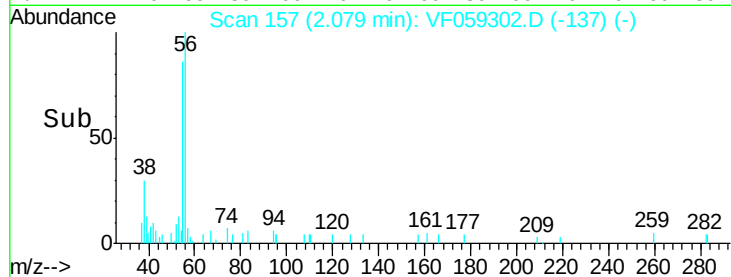
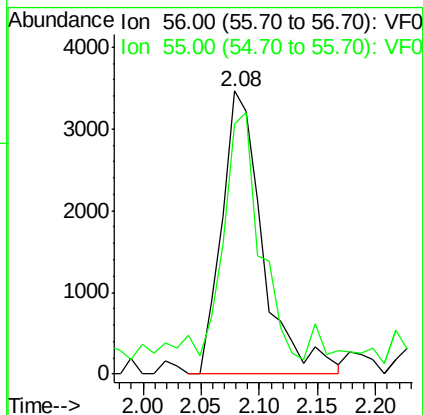
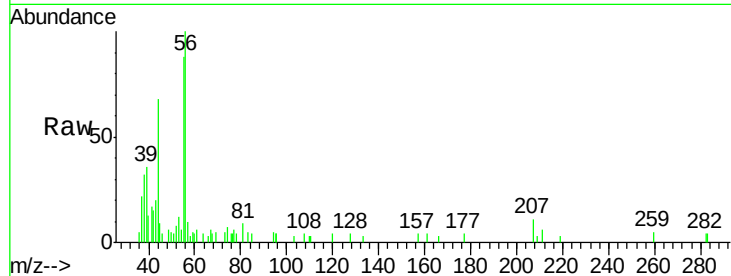
55 88.1 62.4 93.6

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#14

Allyl chloride

Concen: 8.67 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

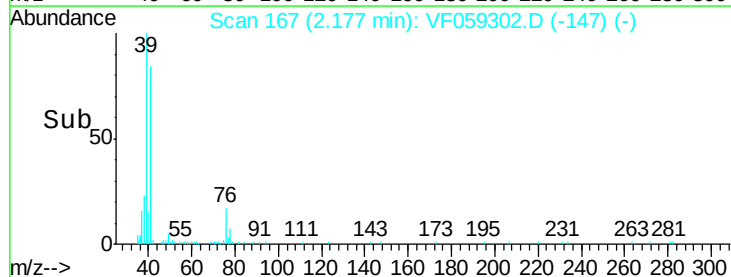
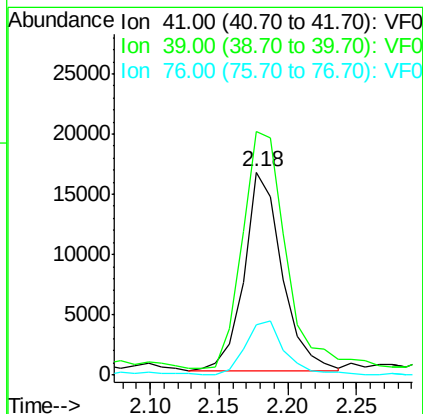
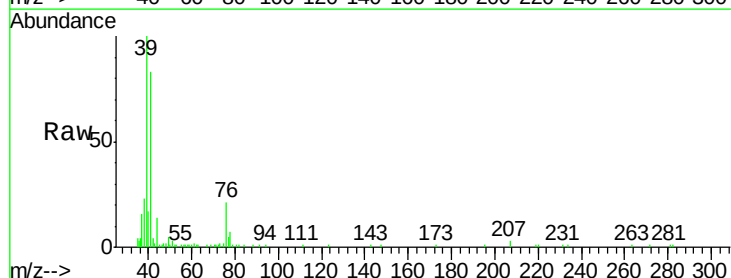
Tgt Ion: 41 Resp: 31866

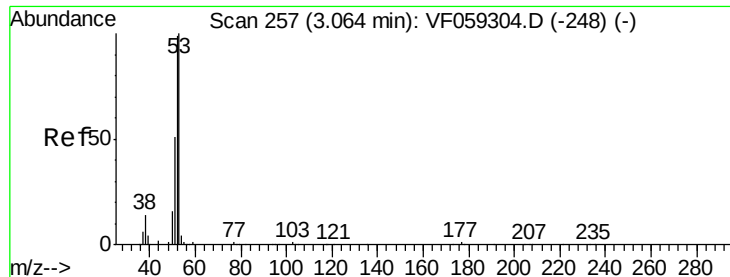
Ion Ratio Lower Upper

41 100

39 119.8 105.6 158.4

76 25.1 21.6 32.4





#15

Acrylonitrile

Concen: 42.37 ug/l

RT: 3.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

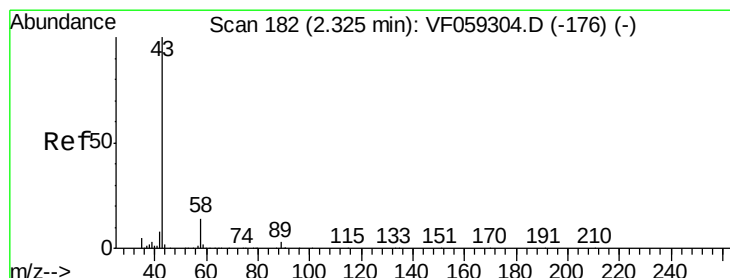
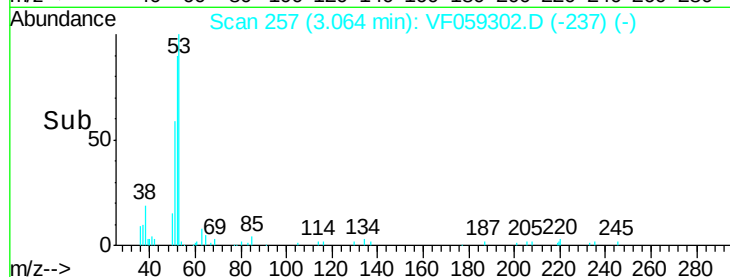
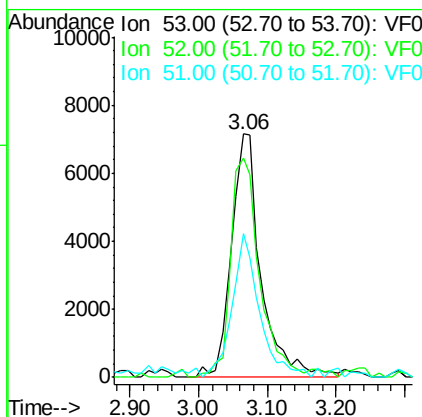
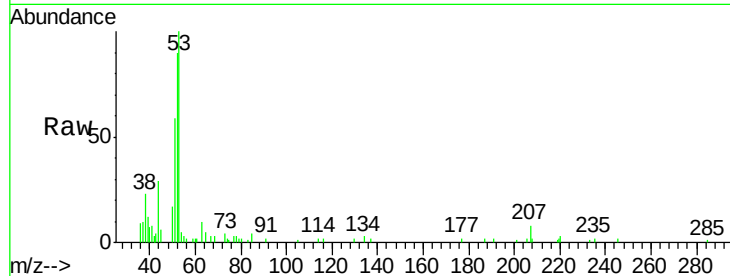
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	21351
Ion	Ratio	Lower	Upper
53	100		
52	90.2	79.2	118.8
51	59.3	40.9	61.3

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#16

Acetone

Concen: 57.27 ug/l

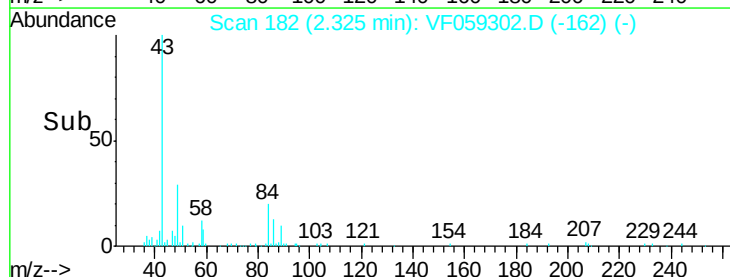
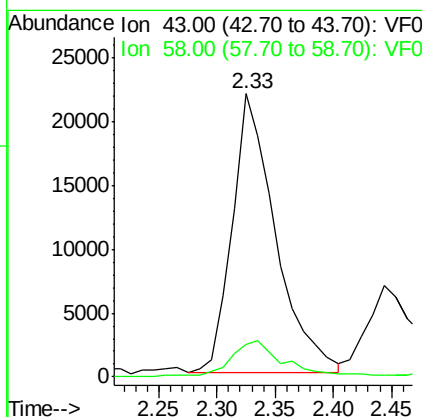
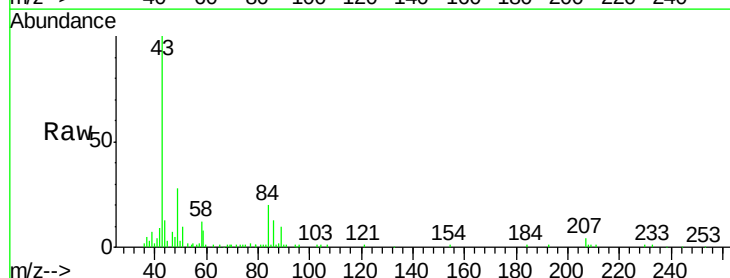
RT: 2.33 min Scan# 182

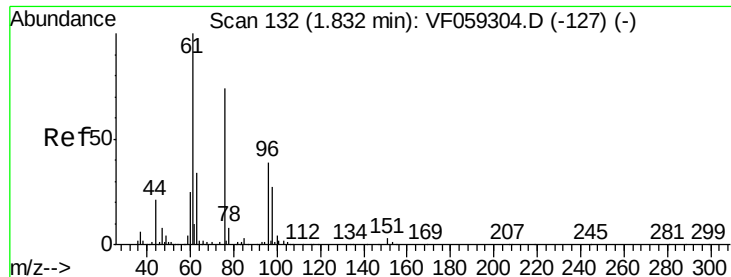
Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Tgt Ion:	43	Resp:	56051
Ion	Ratio	Lower	Upper
43	100		
58	11.6	11.4	17.0





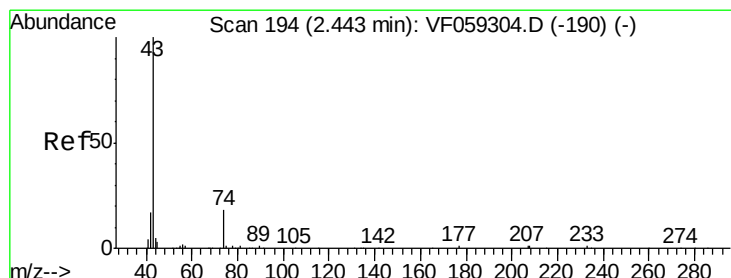
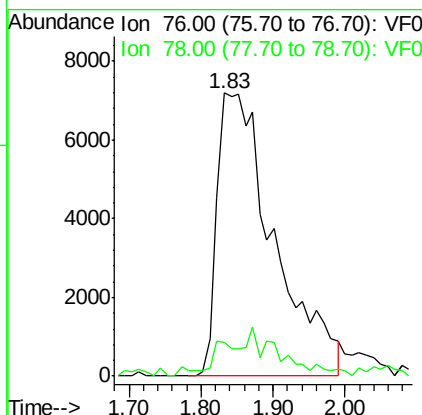
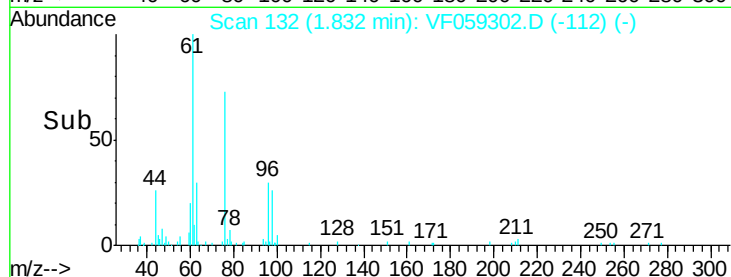
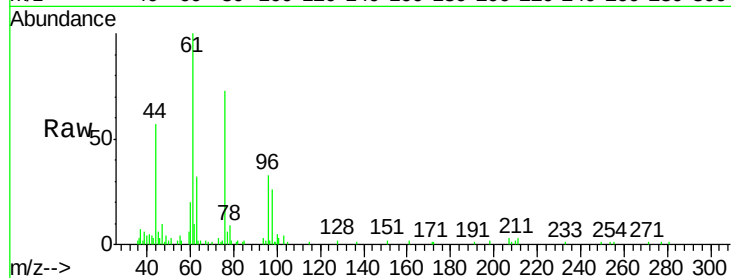
#17
Carbon Disulfide
Concen: 8.21 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.9	8.9	13.3

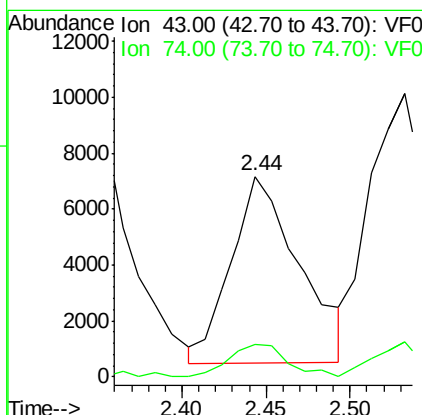
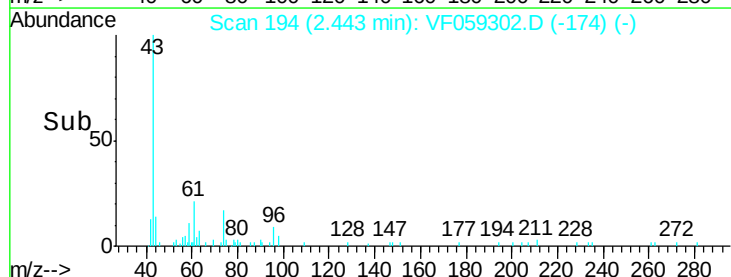
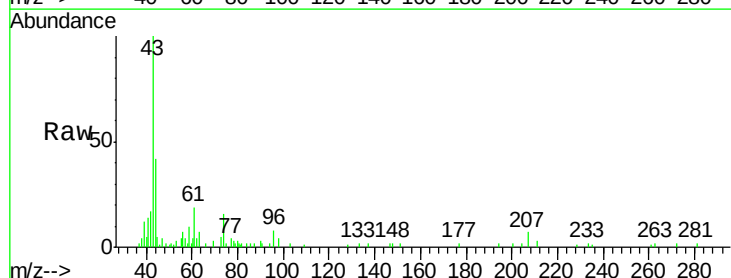
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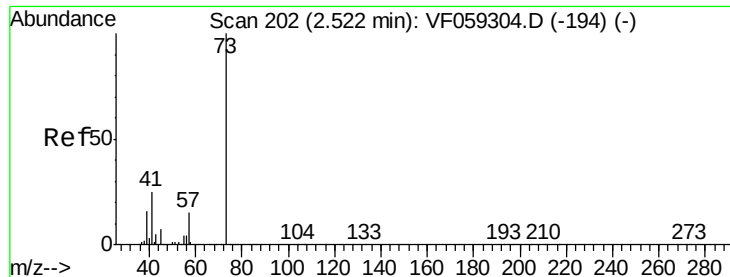
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#18
Methyl Acetate
Concen: 10.15 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.9	13.3	19.9





#19

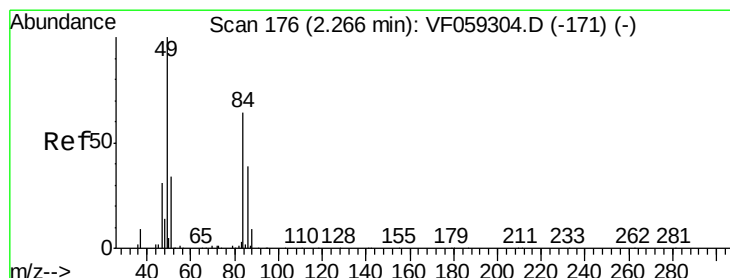
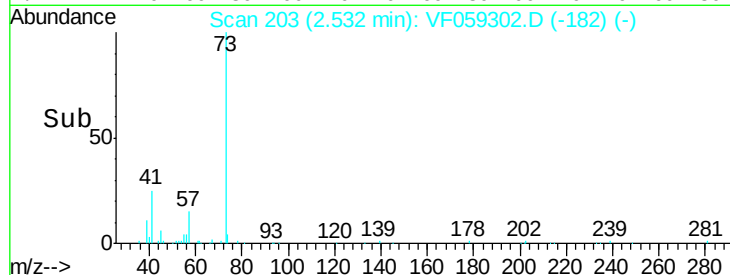
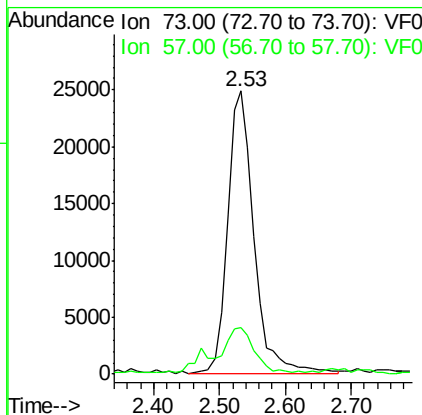
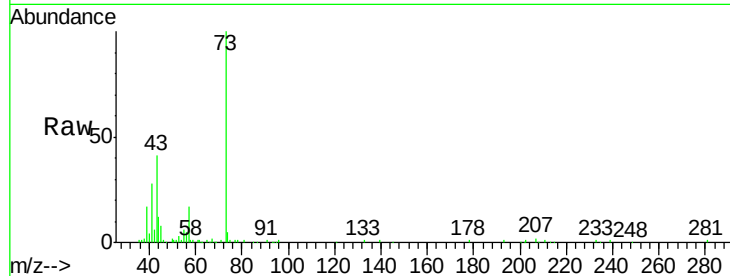
Methyl tert-butyl Ether
 Concen: 10.50 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.6	12.3	18.5

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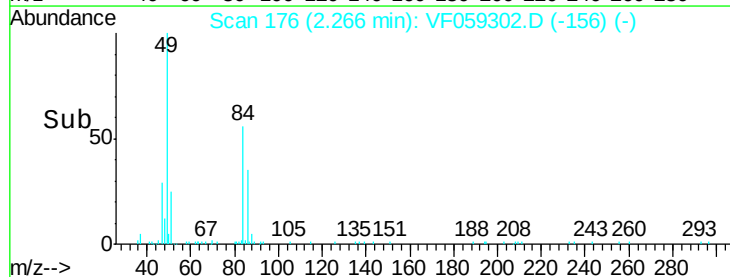
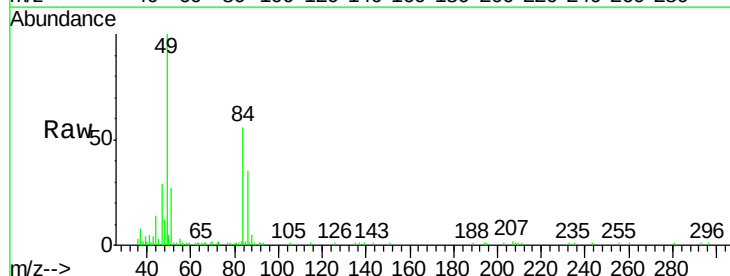
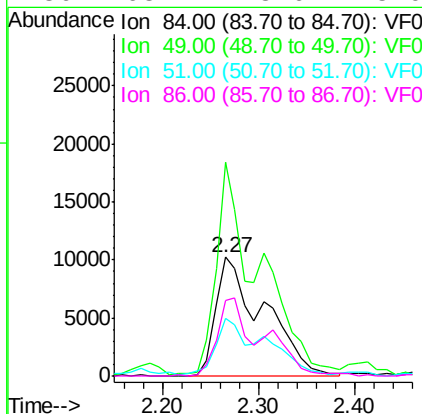
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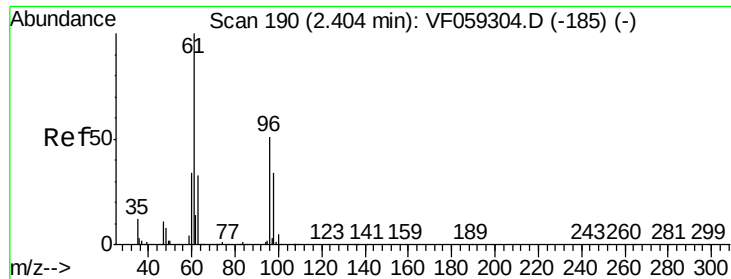


#20

Methylene Chloride
 Concen: 16.76 ug/l m
 RT: 2.27 min Scan# 176
 Delta R.T. 0.00 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	180.0	126.5	189.7
51	48.4	42.9	64.3
86	63.7	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 9.00 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

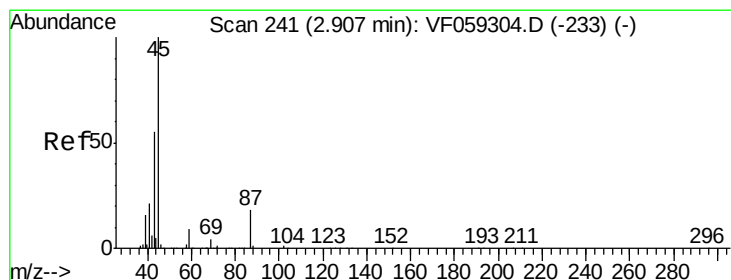
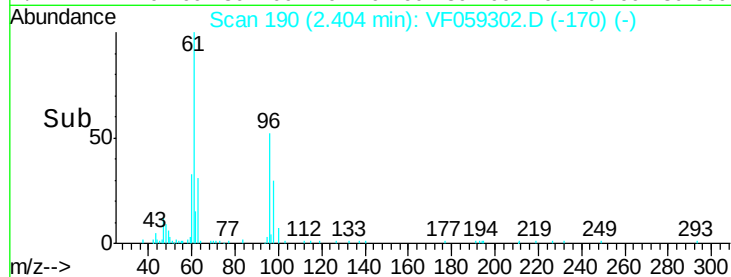
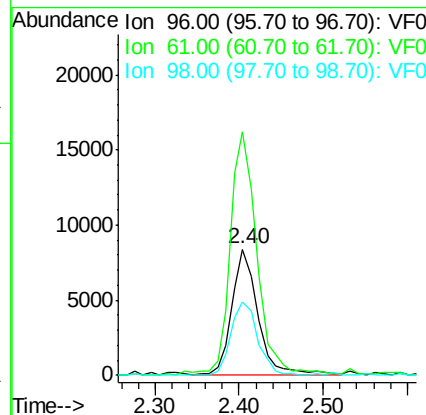
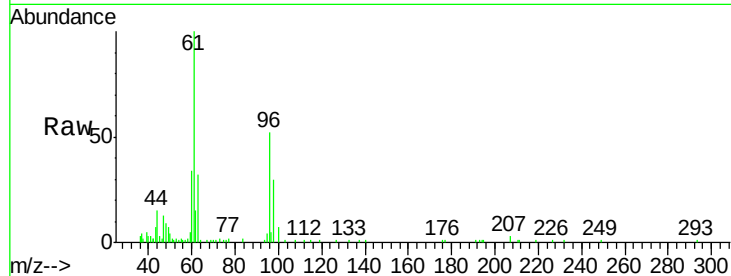
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	18383
Ion	Ratio	Lower	Upper
96	100		
61	193.4	157.4	236.2
98	58.0	53.7	80.5

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#22

Diisopropyl ether

Concen: 9.29 ug/l

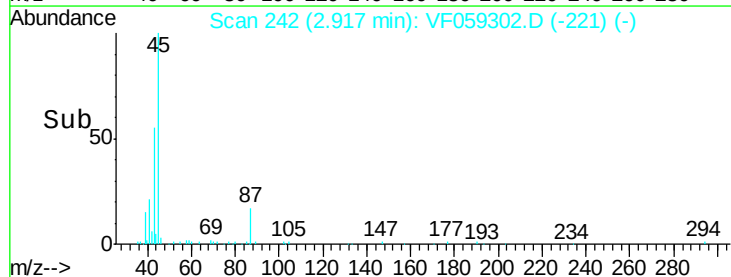
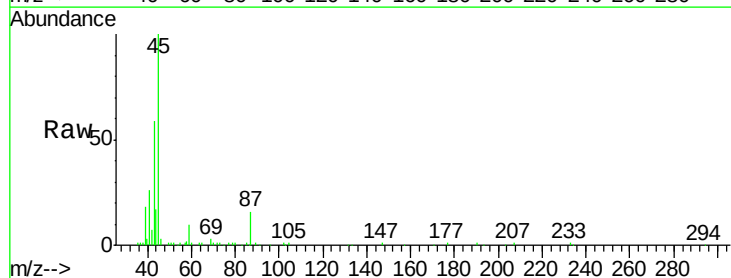
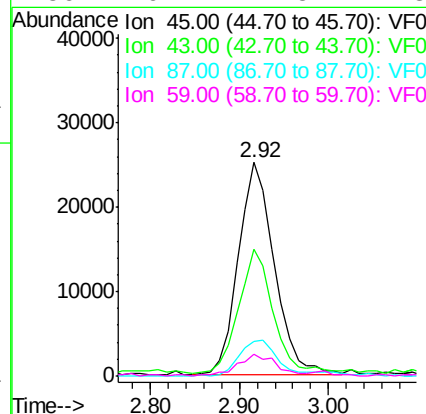
RT: 2.92 min Scan# 242

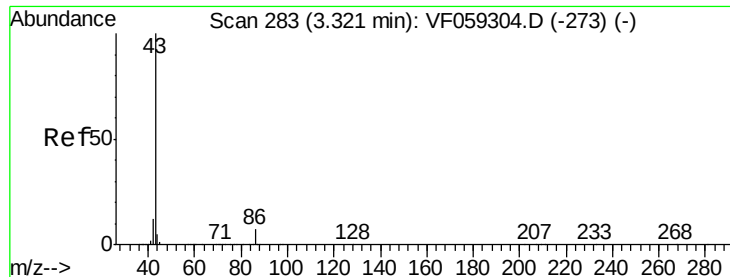
Delta R.T. 0.01 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Tgt Ion:	45	Resp:	70952
Ion	Ratio	Lower	Upper
45	100		
43	59.3	44.6	66.8
87	16.4	14.3	21.5
59	10.4	7.5	11.3





#23

Vinyl Acetate

Concen: 50.81 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 248615

Ion Ratio Lower Upper

43 100

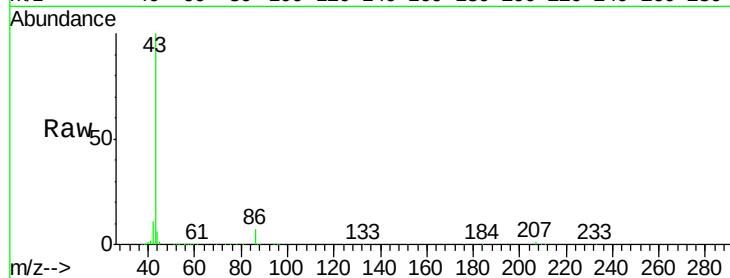
86 7.2 5.8 8.6

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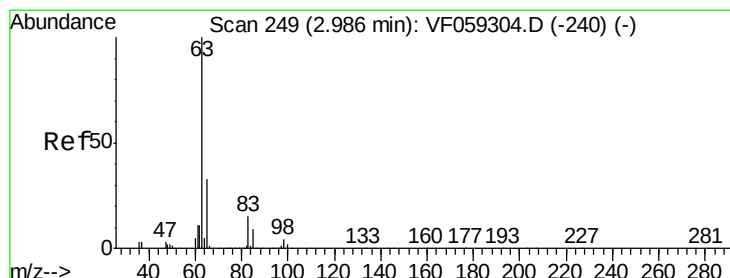
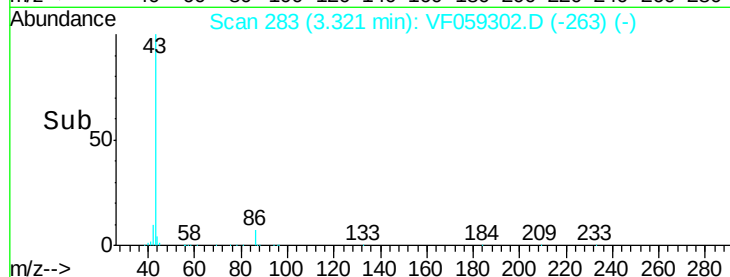
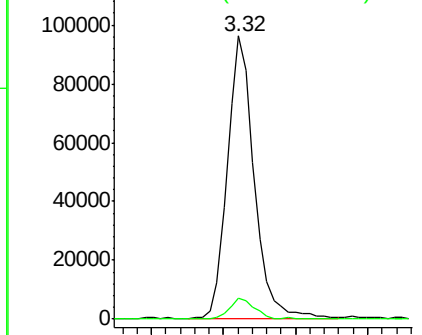
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 9.19 ug/l

RT: 2.99 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

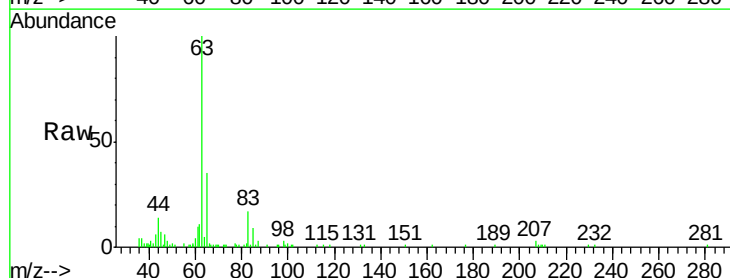
Tgt Ion: 63 Resp: 45321

Ion Ratio Lower Upper

63 100

98 3.3 2.0 6.0

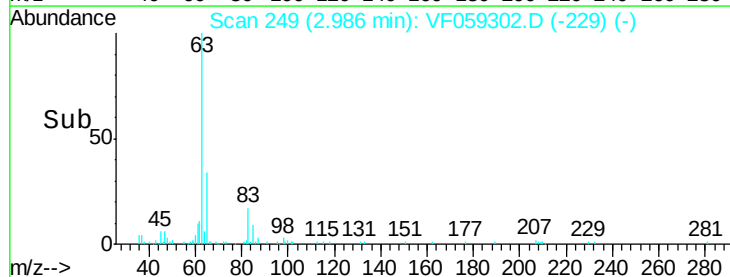
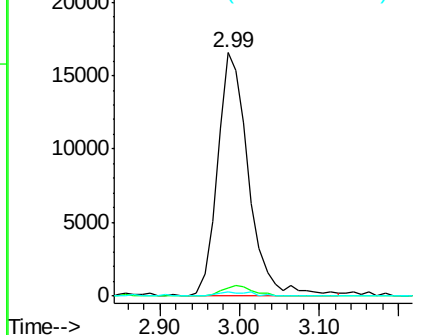
100 1.8 1.3 3.9

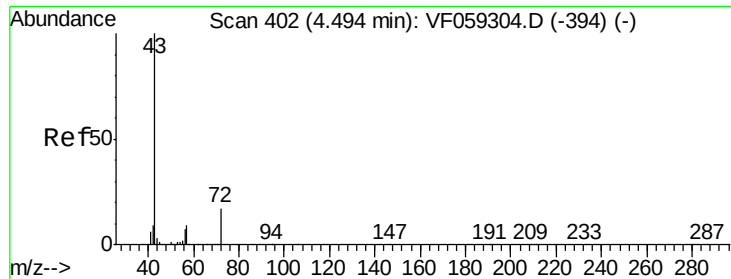


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 49.59 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 63347

Ion Ratio Lower Upper

43 100

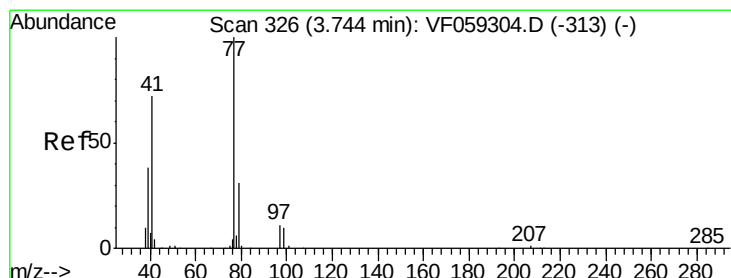
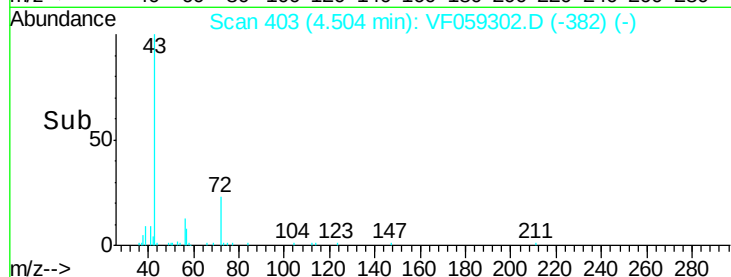
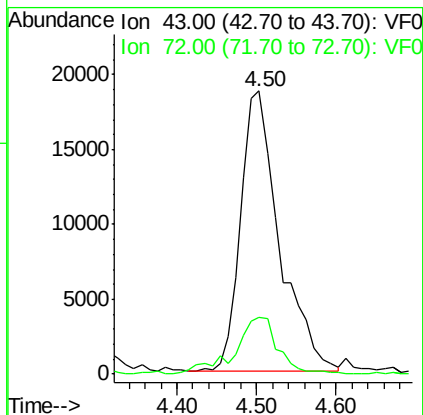
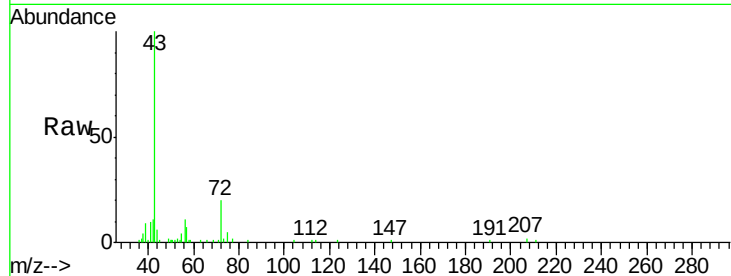
72 20.2 14.4 21.6

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#26

2,2-Dichloropropane

Concen: 9.78 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059302.D

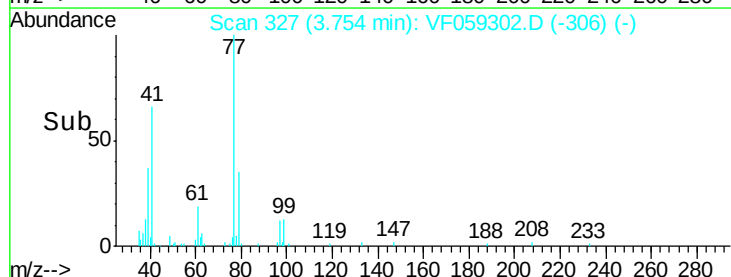
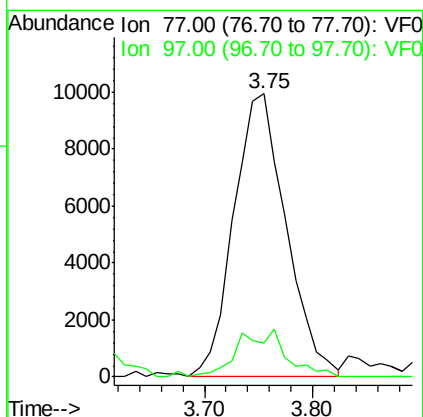
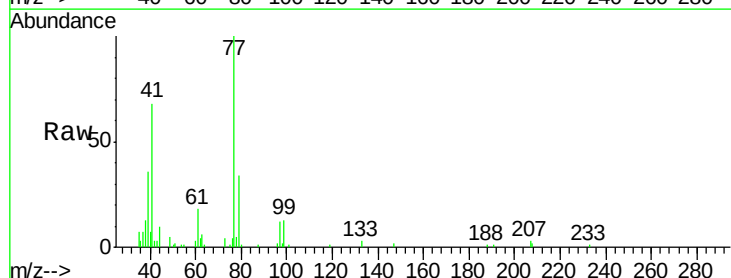
Acq: 25 Jun 2018 15:18

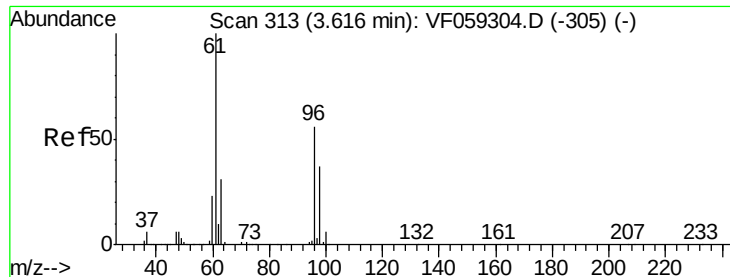
Tgt Ion: 77 Resp: 33445

Ion Ratio Lower Upper

77 100

97 11.8 8.0 23.8





#27

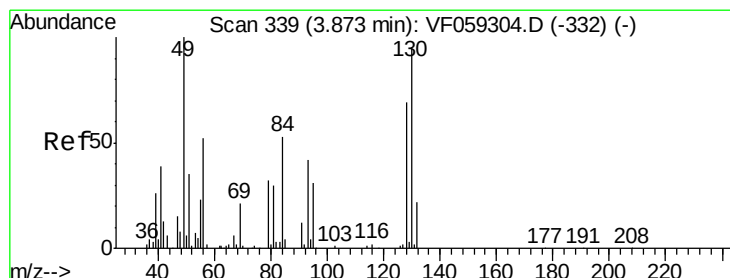
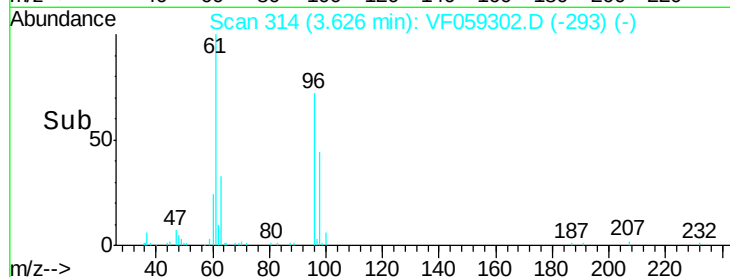
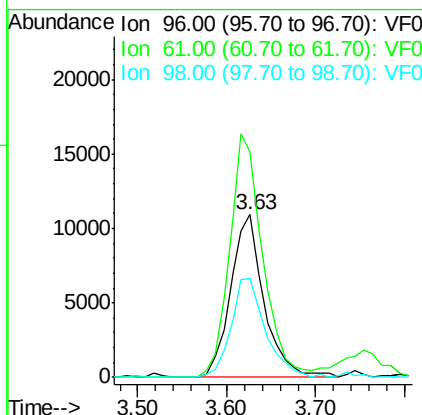
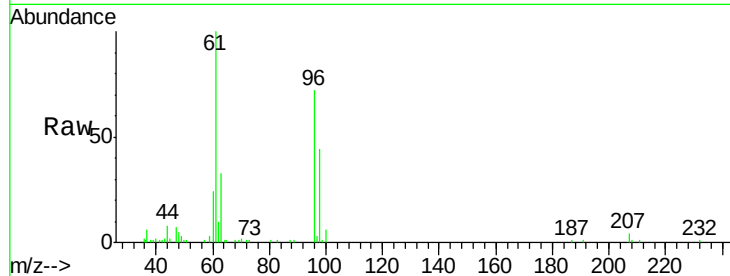
cis-1,2-Dichloroethene
Concen: 9.18 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	355.4
98	61.2	0.0	131.0

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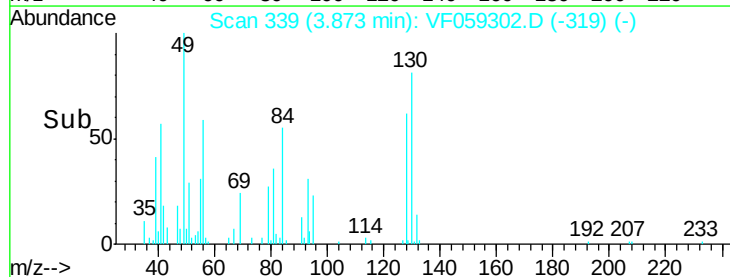
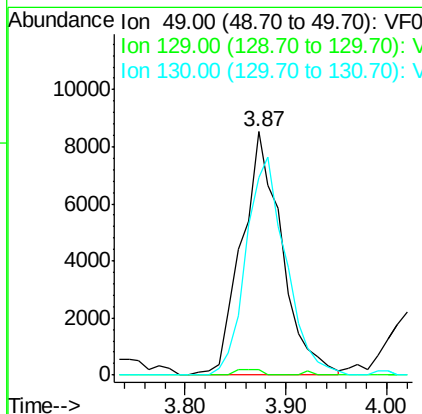
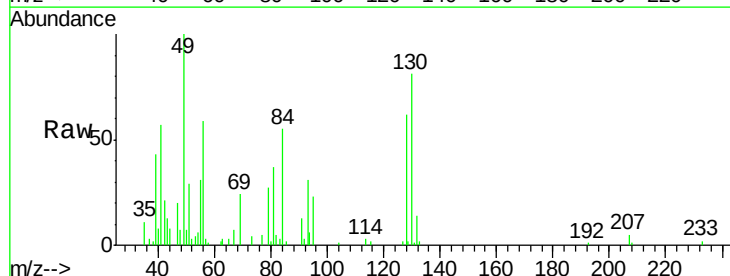
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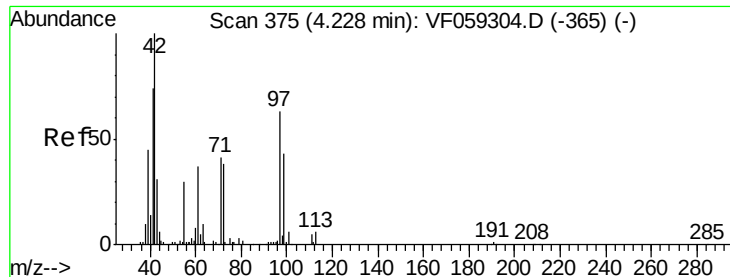


#28

Bromochloromethane
Concen: 11.48 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	6.4
130	81.0	75.1	112.7





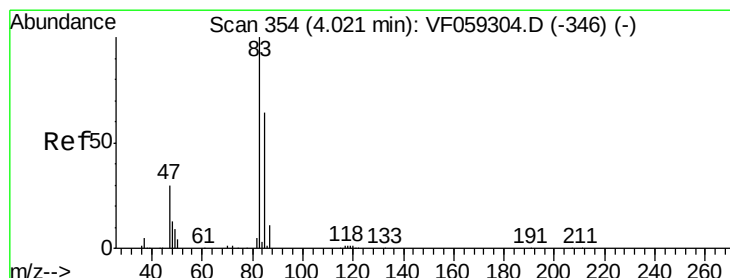
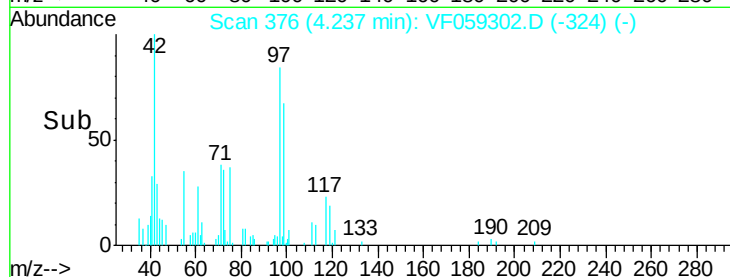
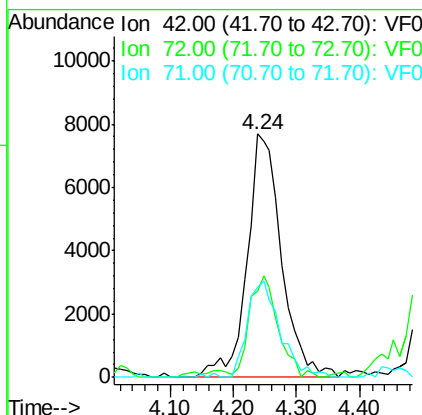
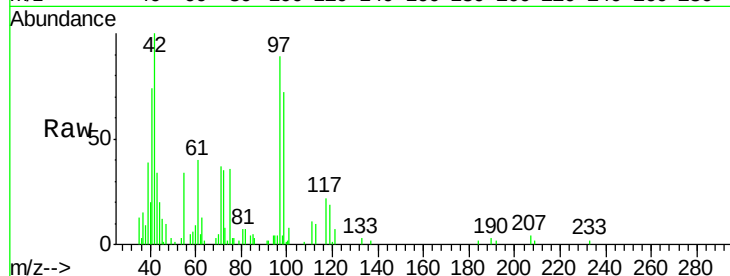
#29
Tetrahydrofuran
Concen: 51.01 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.7	30.5	45.7
71	37.5	32.5	48.7

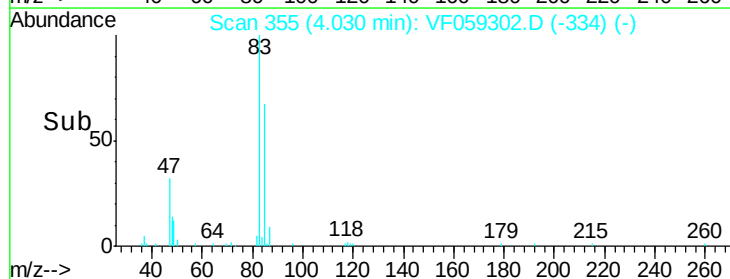
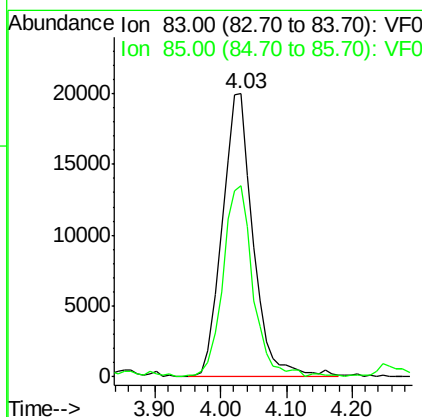
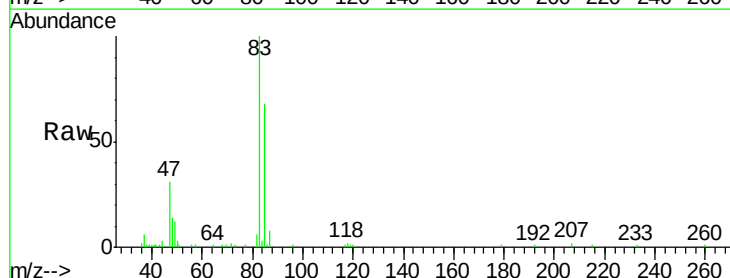
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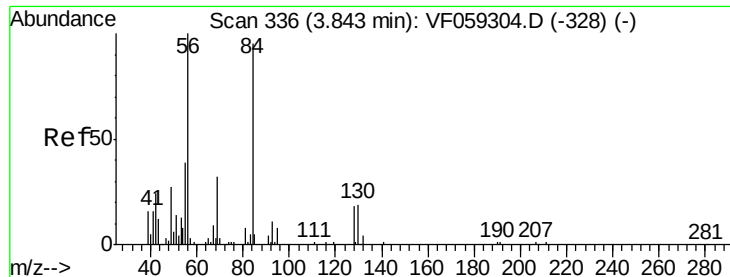
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#30
Chloroform
Concen: 9.21 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	51.3	76.9





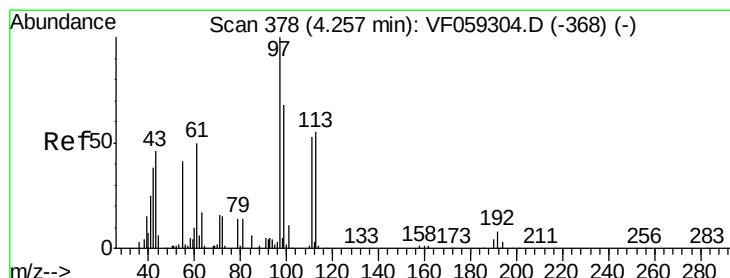
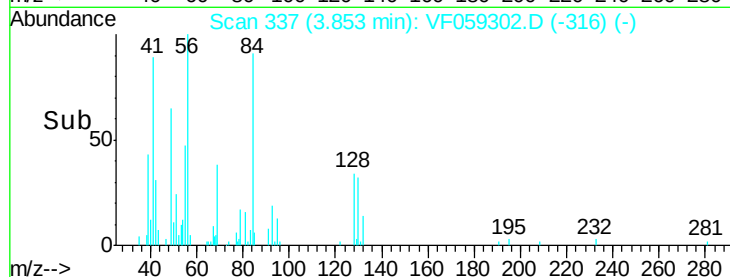
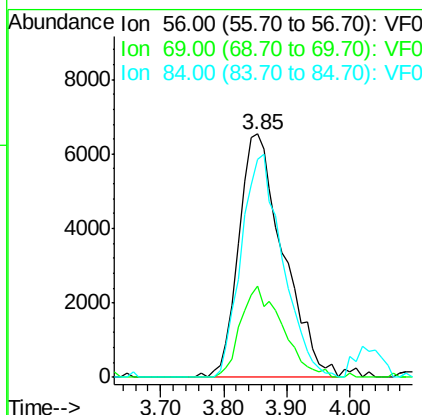
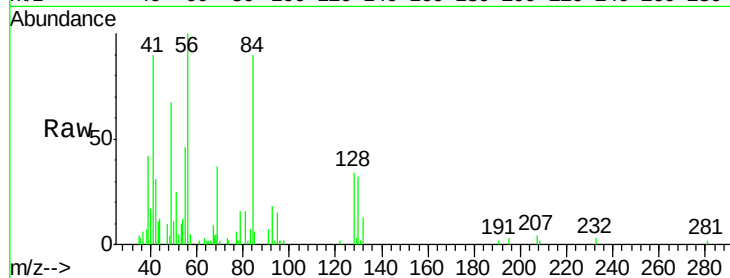
#31
Cyclohexane
Concen: 9.57 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	25.8	38.8
84	89.8	75.6	113.4

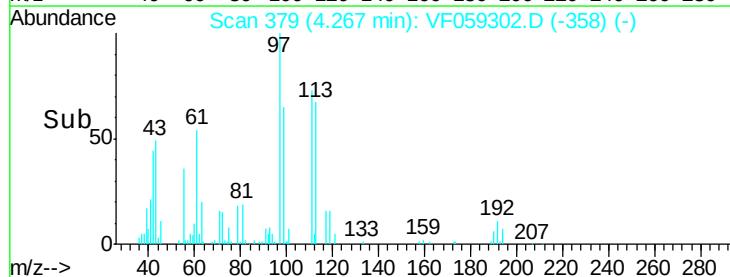
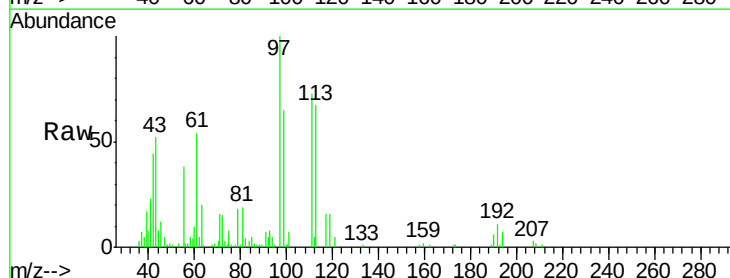
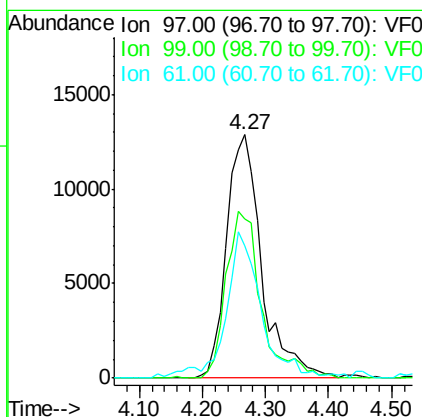
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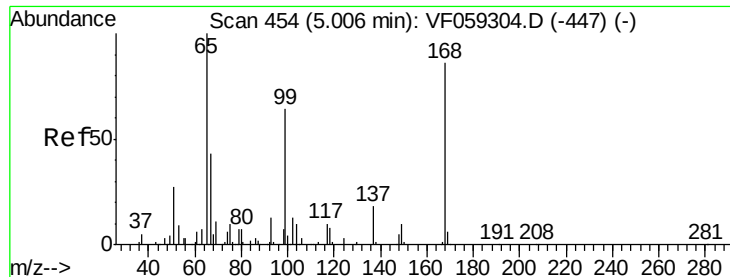
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#32
1,1,1-Trichloroethane
Concen: 9.30 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.5	54.1	81.1
61	54.1	41.2	61.8





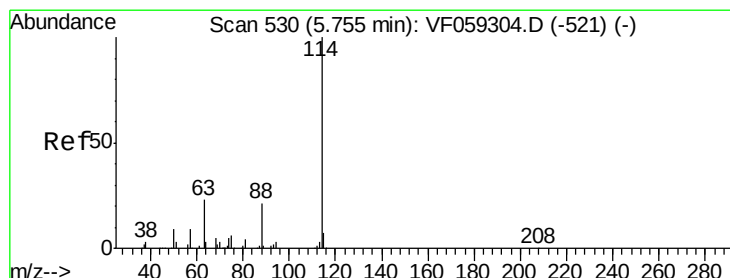
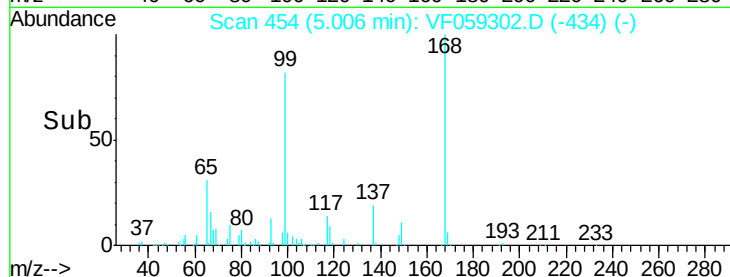
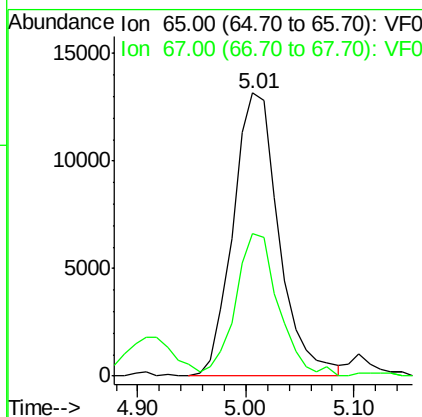
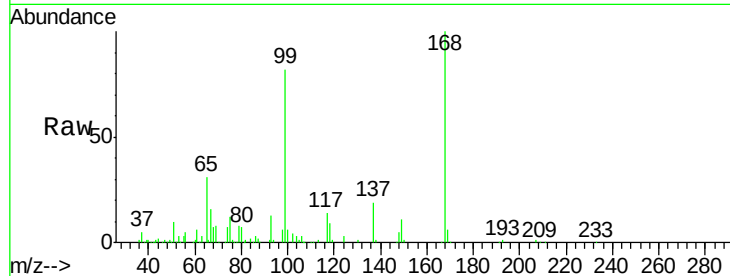
#33
 1,2-Dichloroethane-d4
 Concen: 9.68 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.2	0.0	96.8	

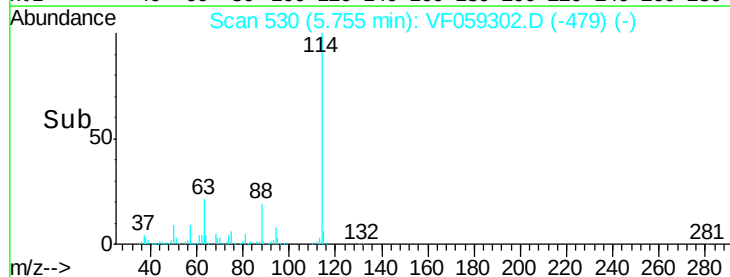
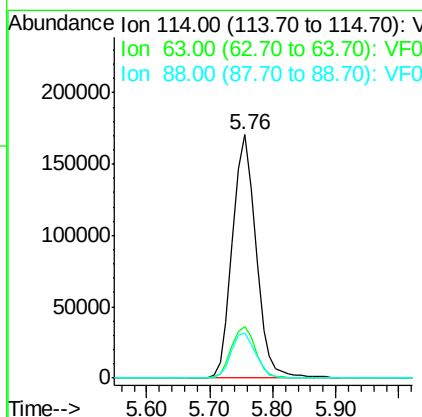
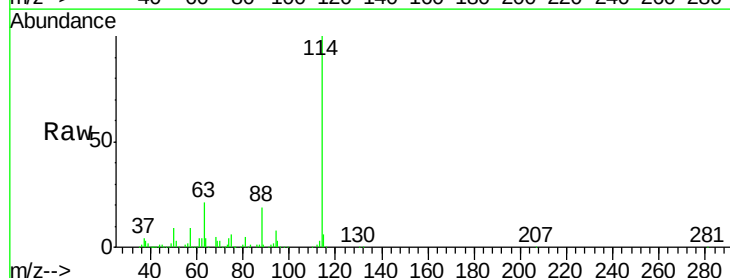
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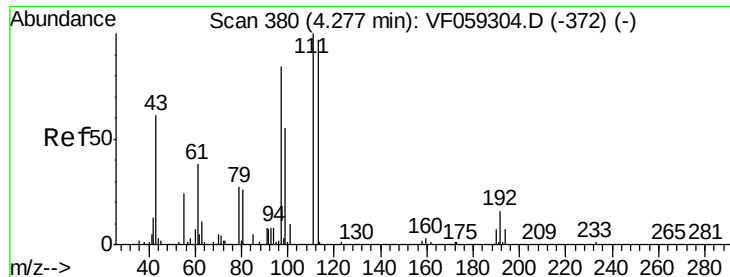
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.1	0.0	45.8	
88	18.8	0.0	41.2	





#35

Dibromofluoromethane

Concen: 9.32 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

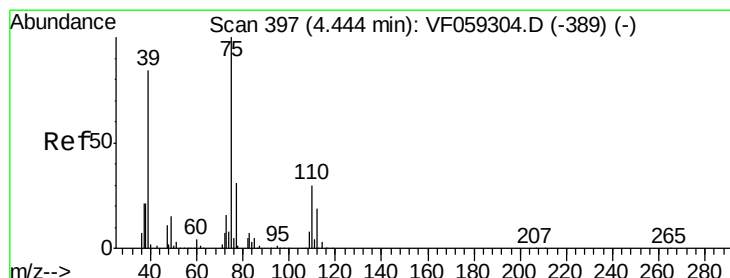
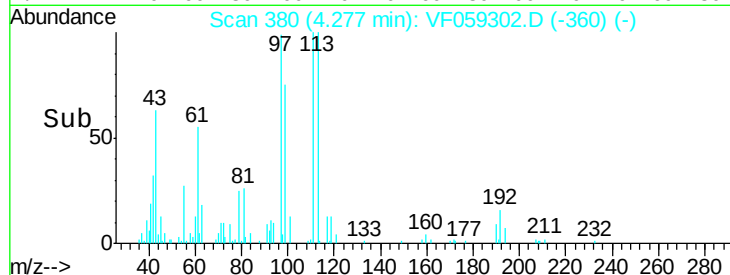
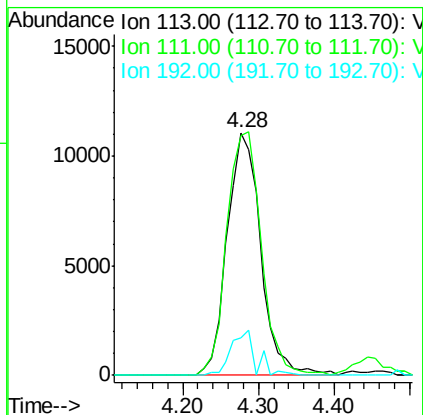
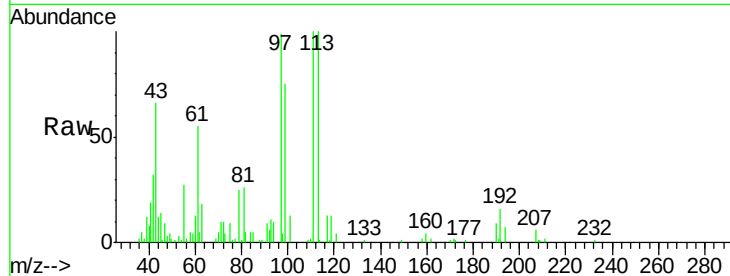
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	33891
Ion	Ratio	Lower	Upper
113	100		
111	99.2	82.1	123.1
192	15.5	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 8.63 ug/l

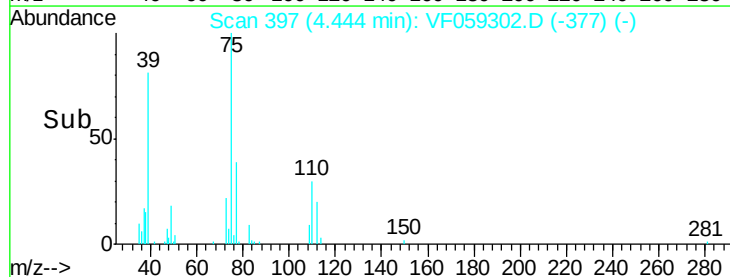
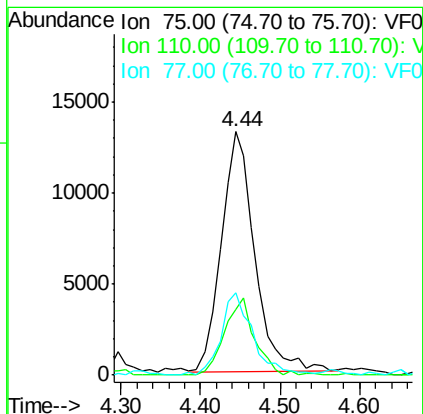
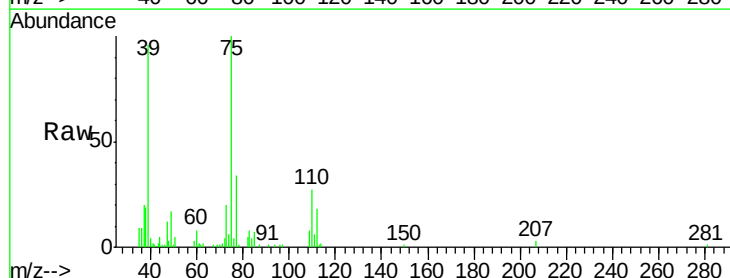
RT: 4.44 min Scan# 397

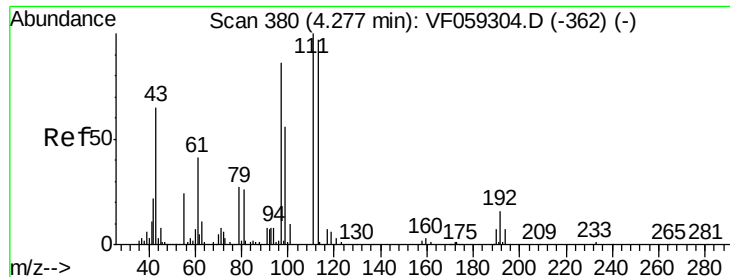
Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Tgt Ion:	75	Resp:	38668
Ion	Ratio	Lower	Upper
75	100		
110	27.1	14.8	44.4
77	33.9	25.2	37.8





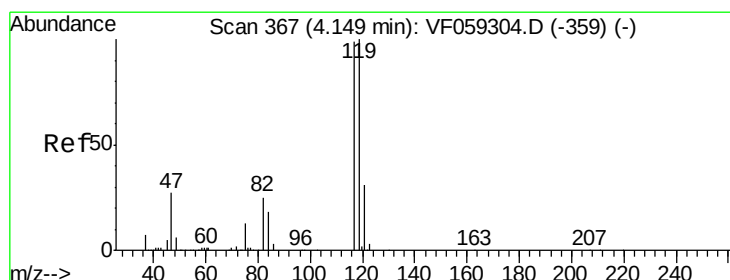
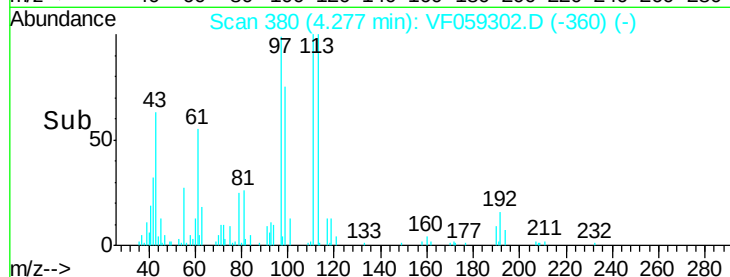
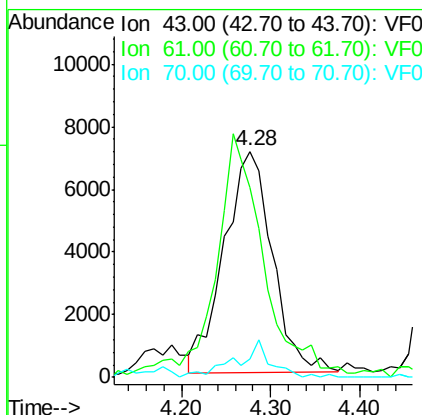
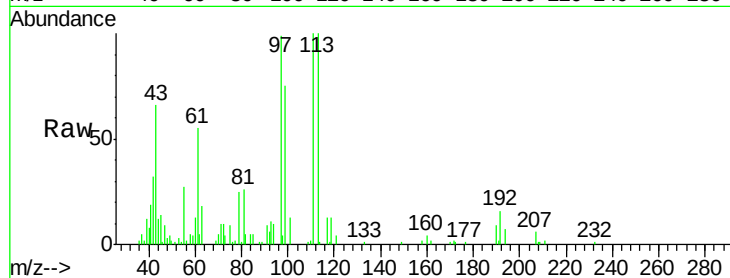
#37
Ethyl Acetate
Concen: 9.08 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	84.0	50.1	75.1#
70	8.2	6.2	9.4

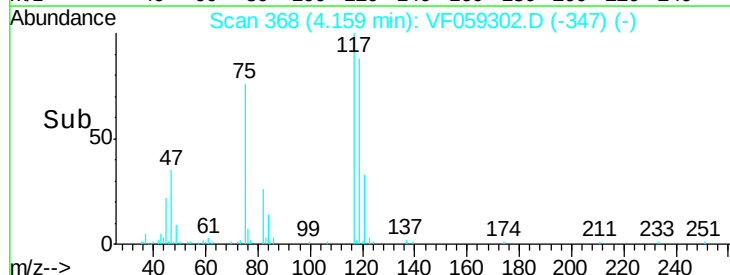
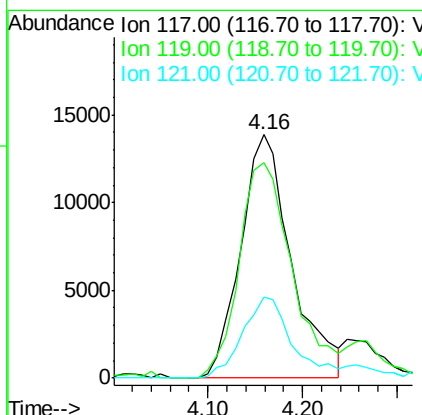
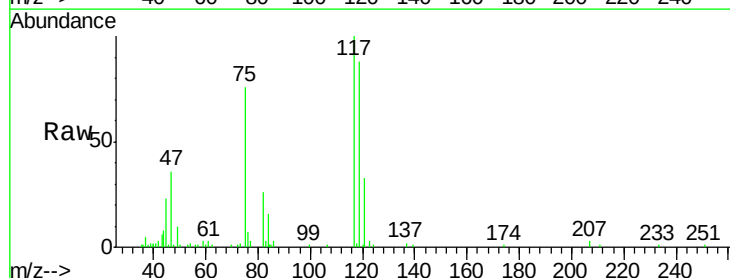
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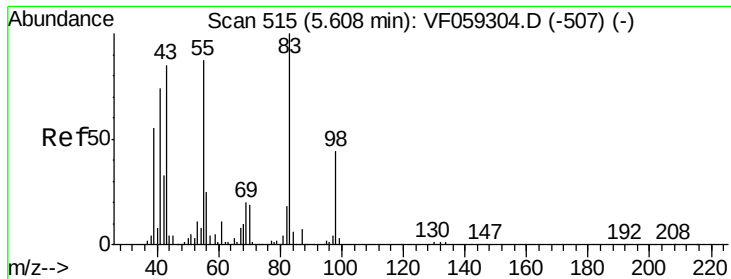
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#38
Carbon Tetrachloride
Concen: 9.36 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.5	81.0	121.4
121	33.1	24.7	37.1





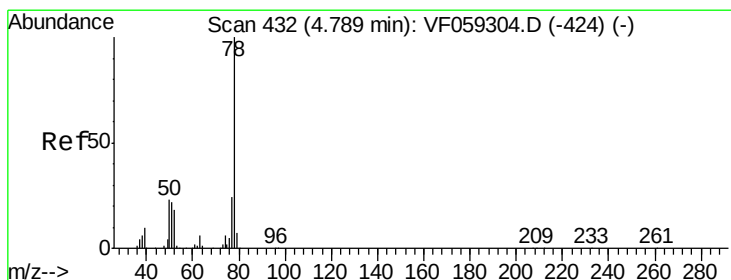
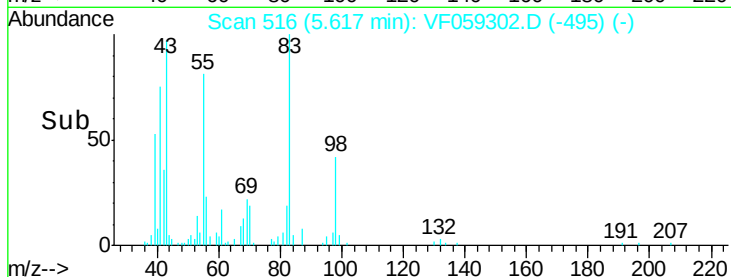
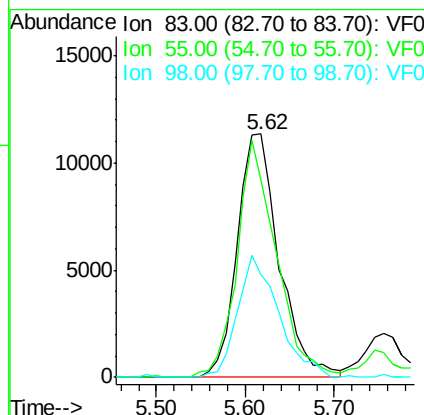
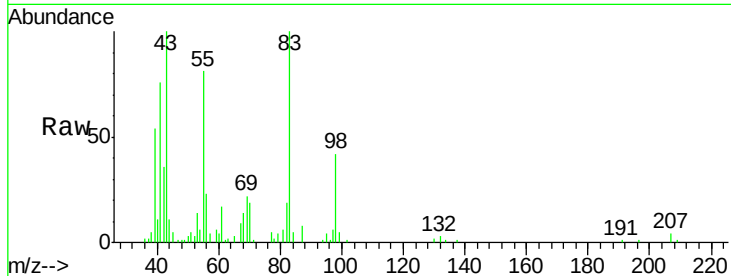
#39
Methylvlcyclohexane
Concen: 9.22 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	69.2	103.8
98	42.0	35.0	52.6

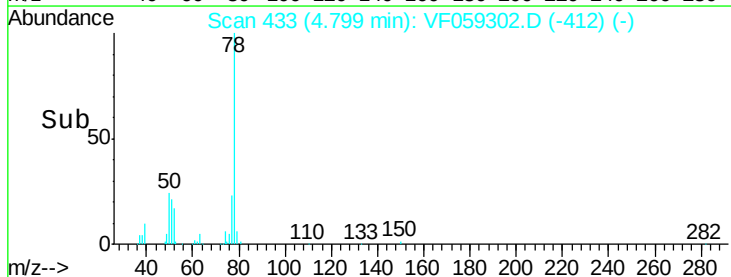
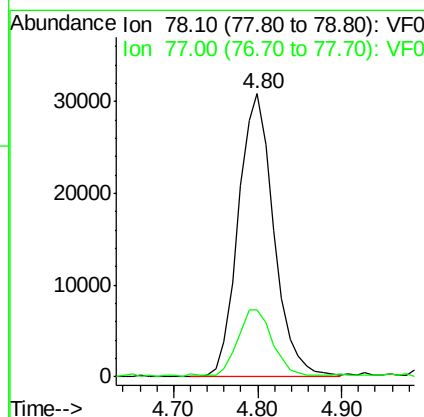
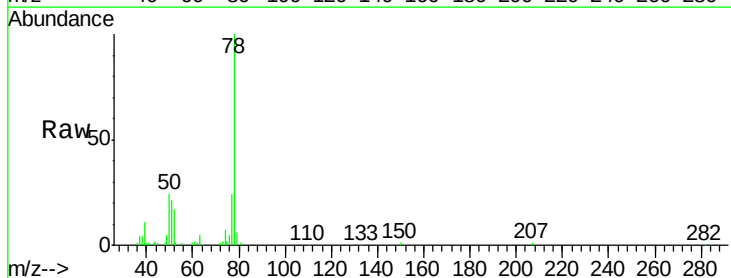
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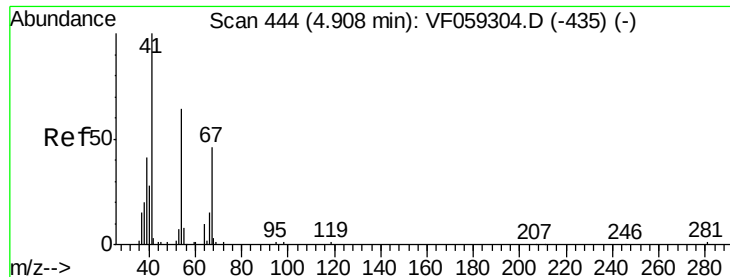
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#40
Benzene
Concen: 9.50 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.6	29.4





#41

Methacrylonitrile

Concen: 9.04 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 12682

Ion Ratio Lower Upper

41 100

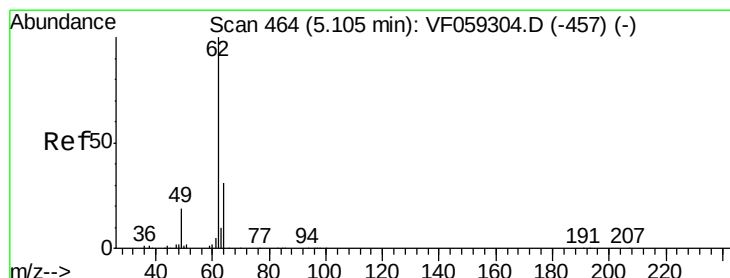
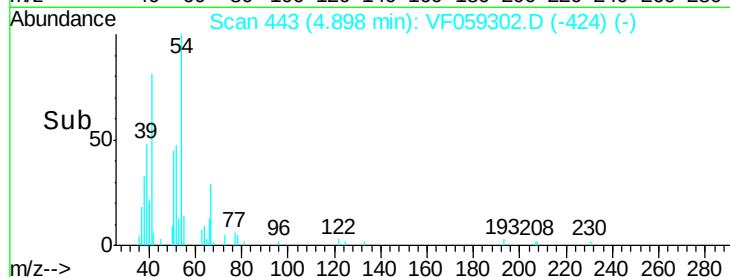
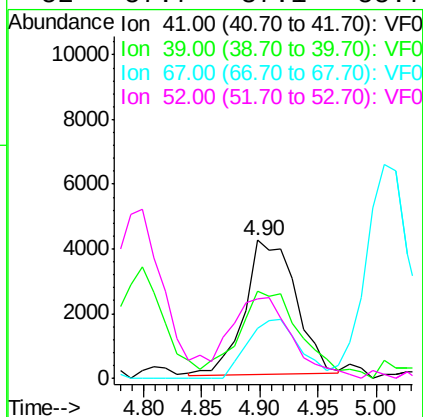
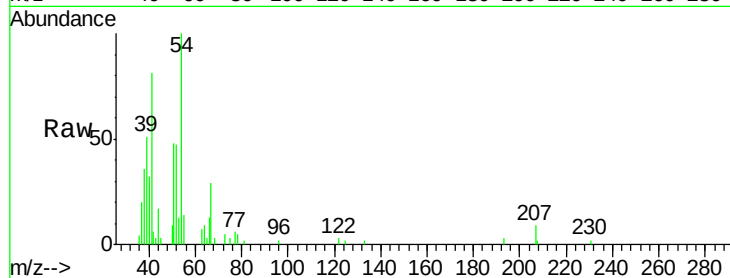
39 63.3 50.0 75.0

67 36.1 37.0 55.6#

52 57.7 37.1 55.7#

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#42

1,2-Dichloroethane

Concen: 9.30 ug/l

RT: 5.10 min Scan# 464

Delta R.T. 0.00 min

Lab File: VF059302.D

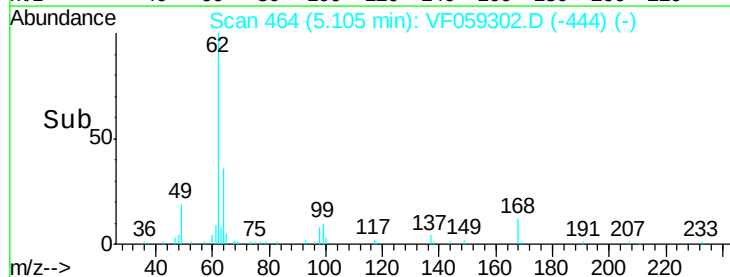
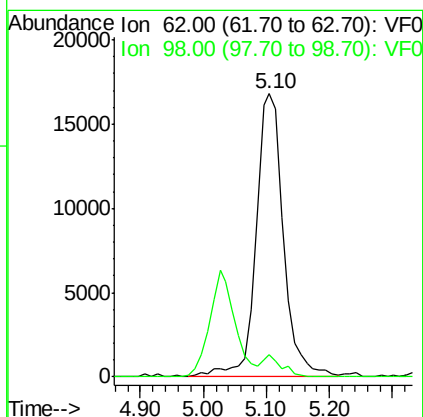
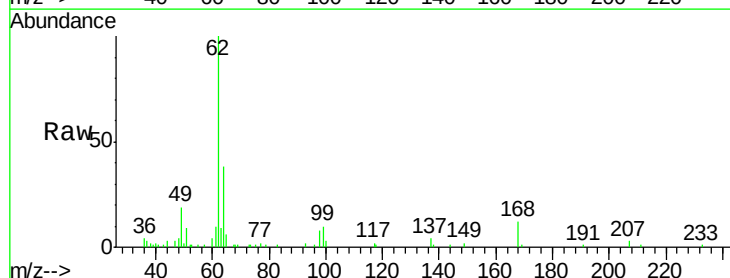
Acq: 25 Jun 2018 15:18

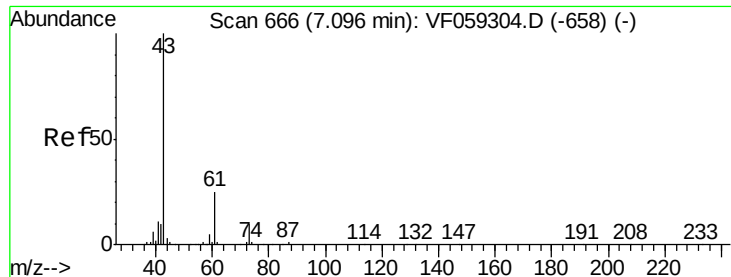
Tgt Ion: 62 Resp: 51194

Ion Ratio Lower Upper

62 100

98 7.8 0.0 11.4





#43

Isopropyl Acetate

Concen: 8.98 ug/l

RT: 7.11 min Scan# 667

Delta R.T. 0.01 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

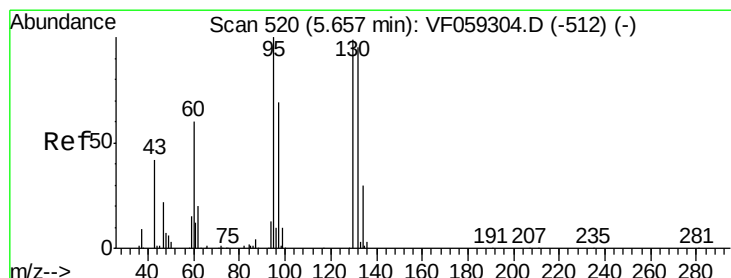
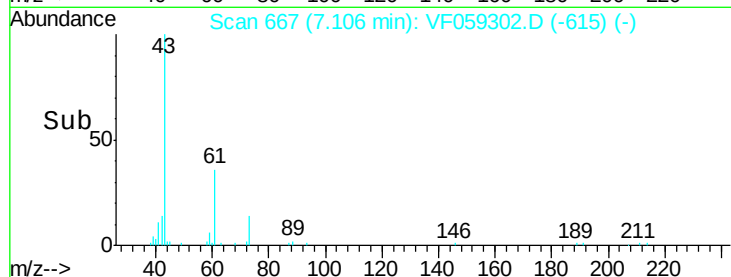
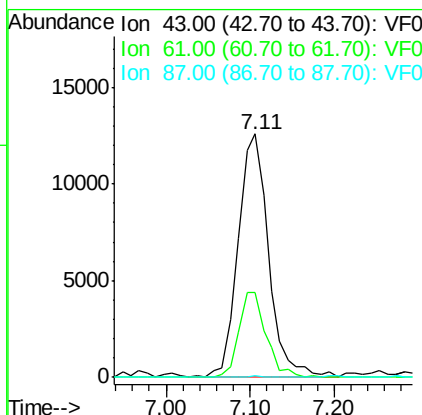
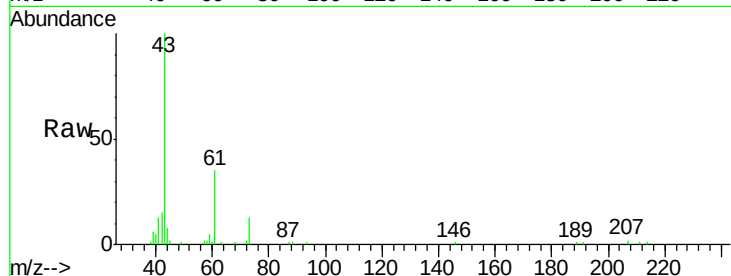
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	31858
Ion	Ratio	Lower	Upper
43	100		
61	34.7	19.7	29.5#
87	0.9	0.5	0.7#

Manual Integrations
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#44

Trichloroethene

Concen: 9.85 ug/l

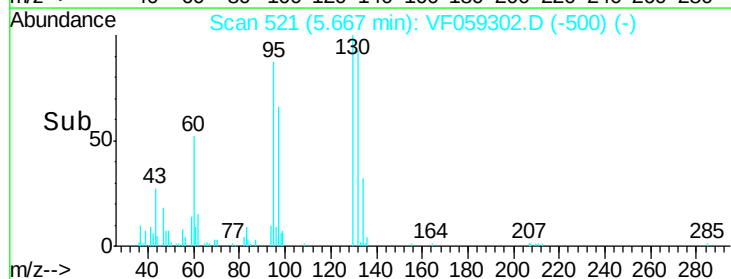
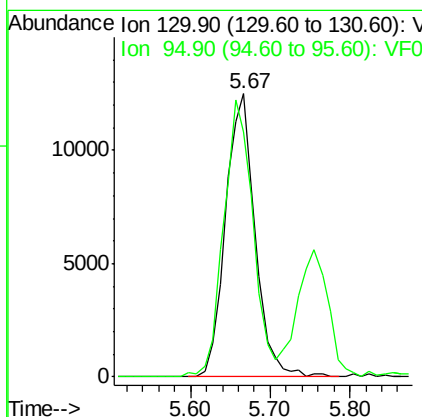
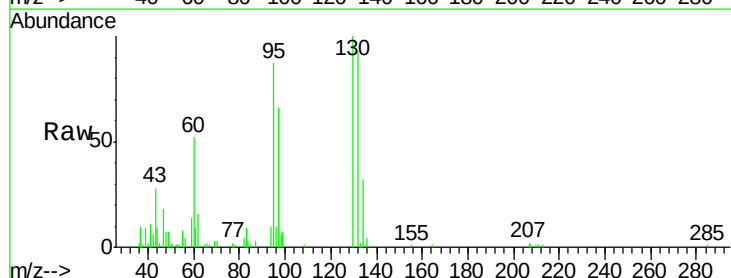
RT: 5.67 min Scan# 521

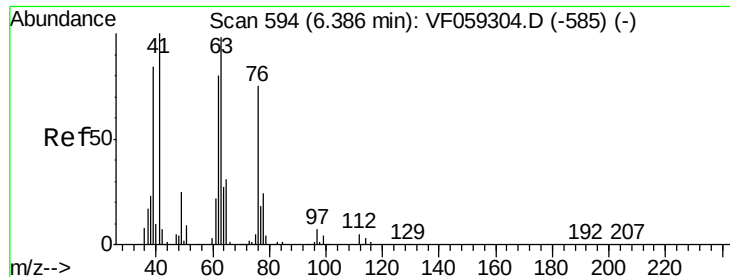
Delta R.T. 0.01 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Tgt Ion:	130	Resp:	32485
Ion	Ratio	Lower	Upper
130	100		
95	86.8	0.0	202.4





#45

1,2-Dichloropropane

Concen: 9.28 ug/l

RT: 6.39 min Scan# 594

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampled :

VSTDIC010

Tot Ion: 63 Resp: 25807

Ion Ratio Lower Upper

63 100

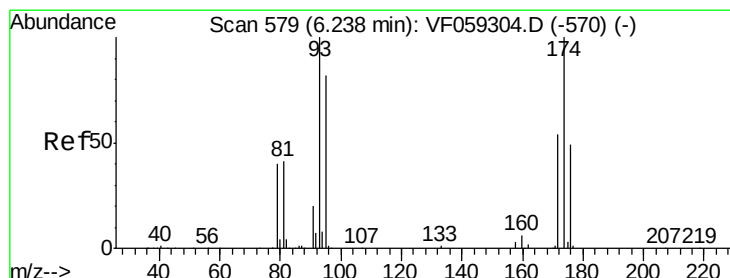
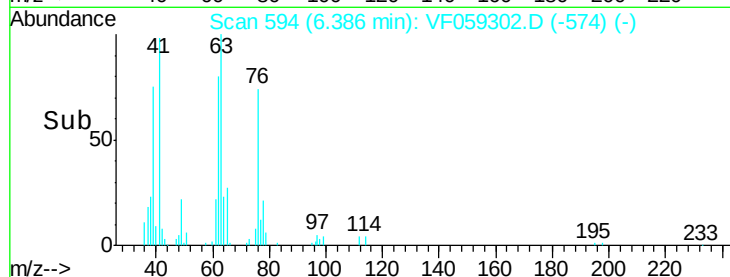
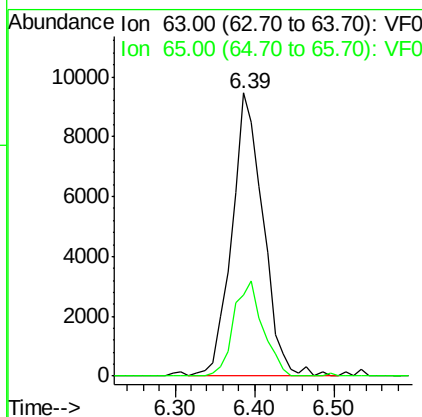
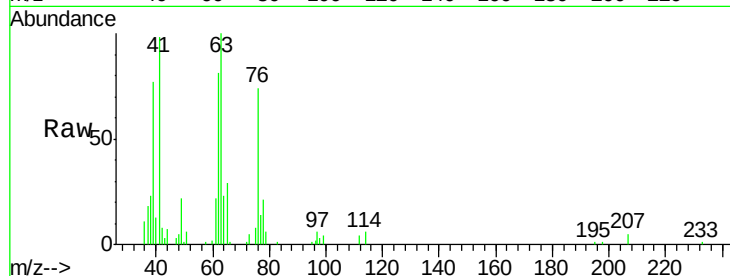
65 28.6 25.3 37.9

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#46

Dibromomethane

Concen: 9.36 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.01 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

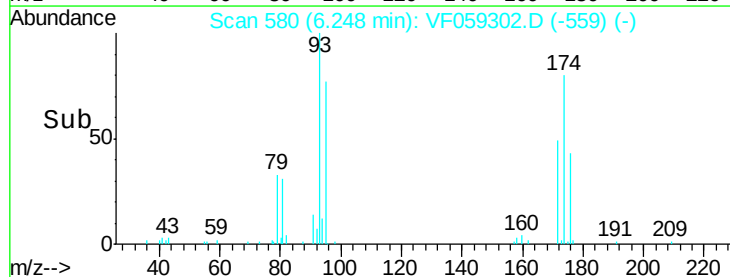
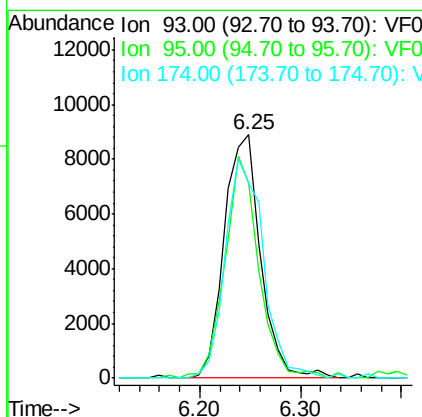
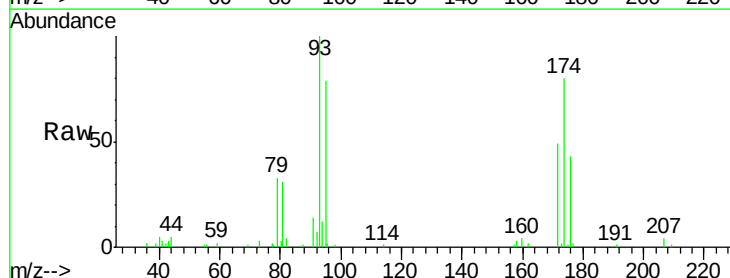
Tgt Ion: 93 Resp: 22322

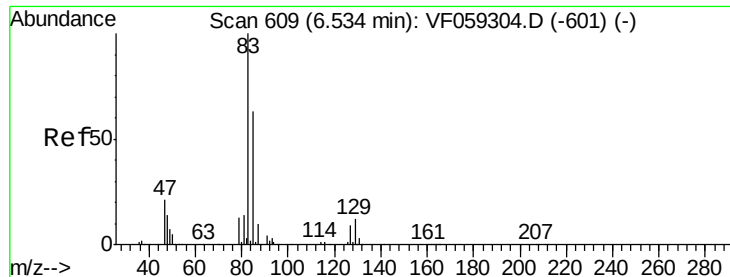
Ion Ratio Lower Upper

93 100

95 80.1 65.6 98.4

174 80.0 80.0 120.0#





#47

Bromodichloromethane

Concen: 9.10 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

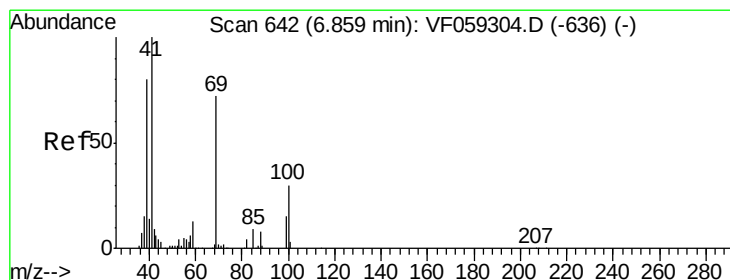
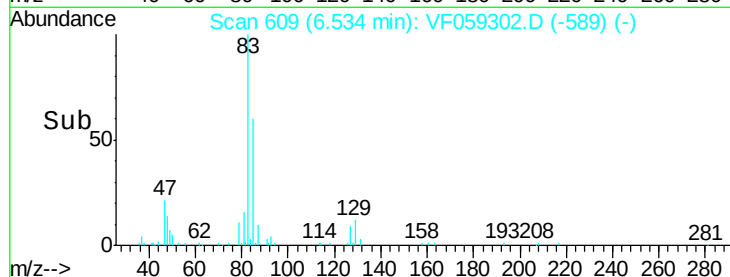
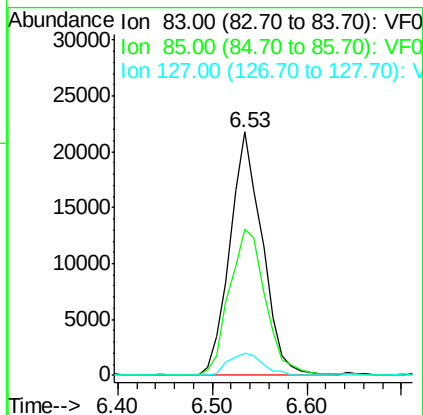
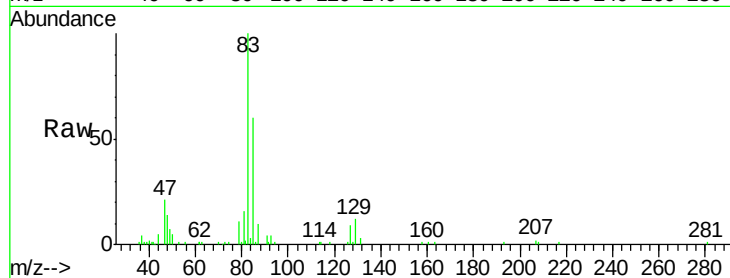
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	51765
Ion	Ratio	Lower	Upper
83	100		
85	60.2	50.2	75.2
127	9.4	7.0	10.4

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#48

Methyl methacrylate

Concen: 9.33 ug/l

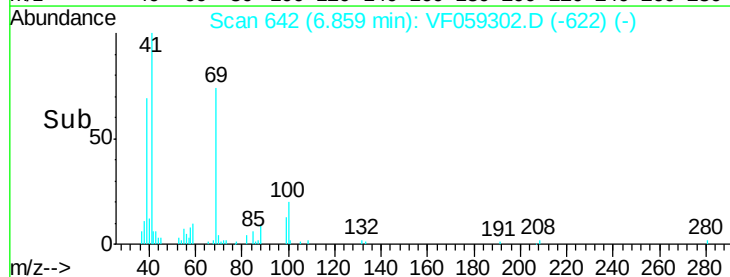
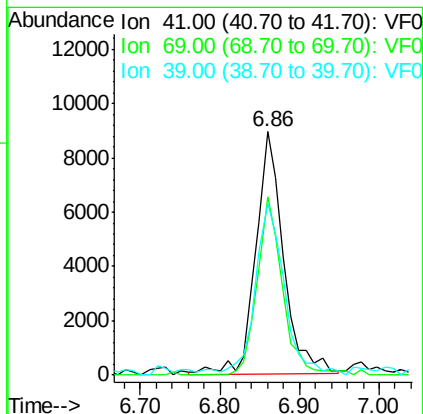
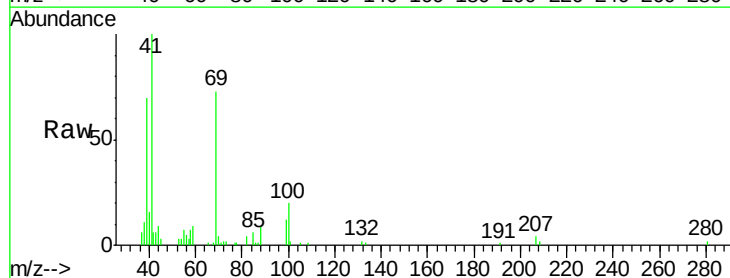
RT: 6.86 min Scan# 642

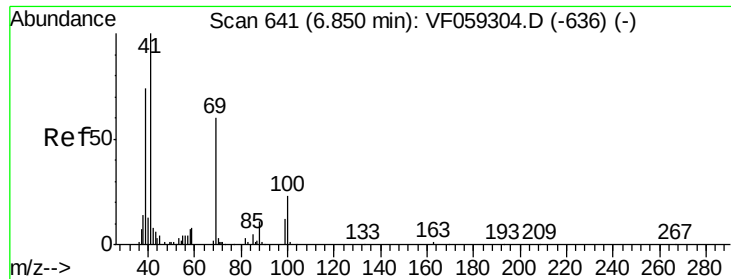
Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Tgt Ion:	41	Resp:	21185
Ion	Ratio	Lower	Upper
41	100		
69	73.2	57.3	85.9
39	70.4	64.4	96.6





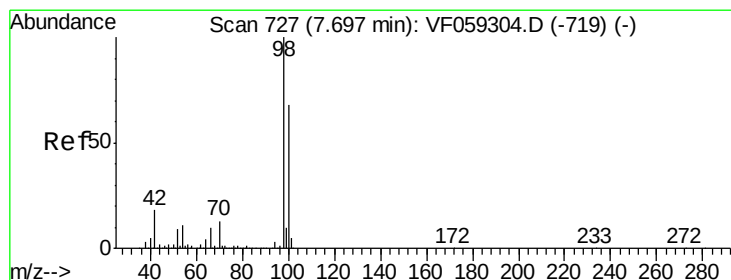
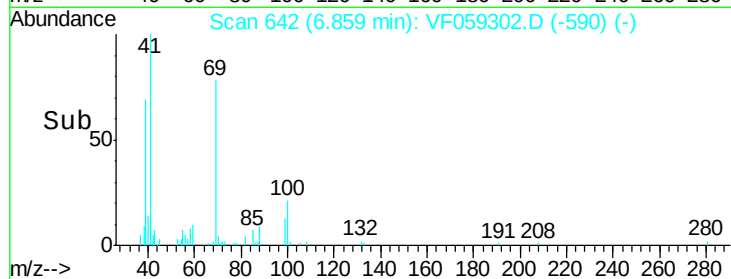
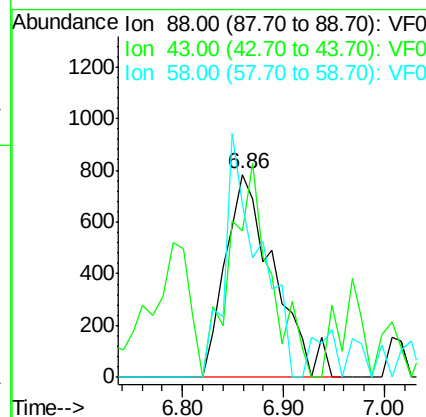
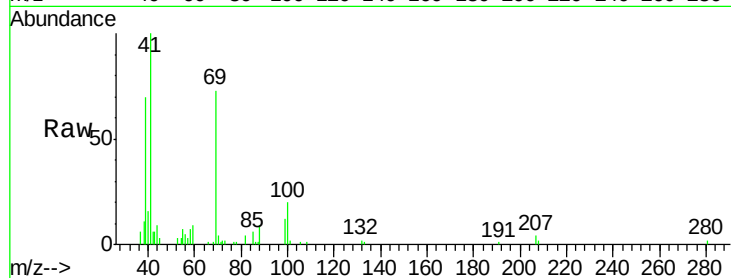
#49
1,4-Dioxane
Concen: 197.02 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	72.3	50.6	75.8
58	85.3	46.6	69.8#

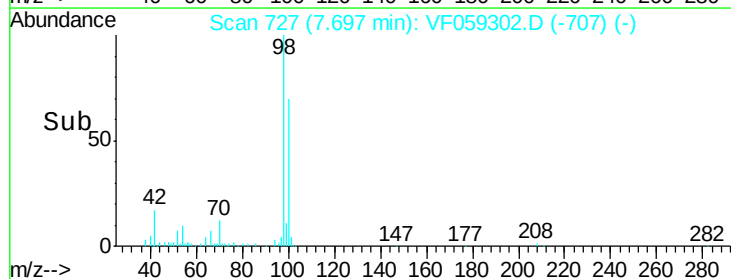
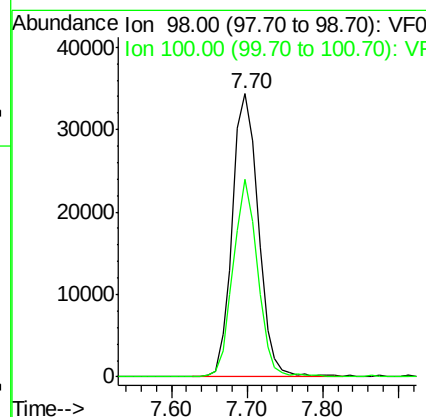
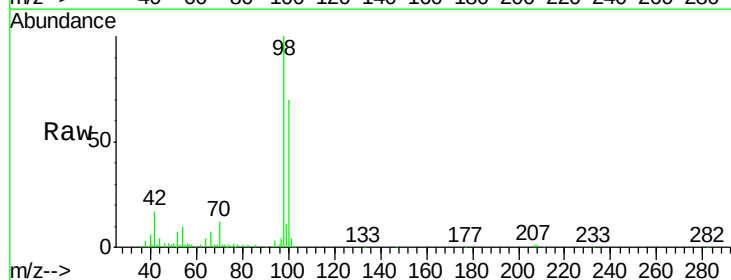
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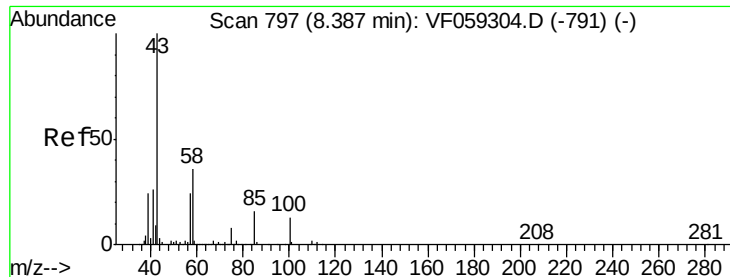
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#50
Toluene-d8
Concen: 8.90 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.9	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 49.57 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 126941

Ion Ratio Lower Upper

43 100

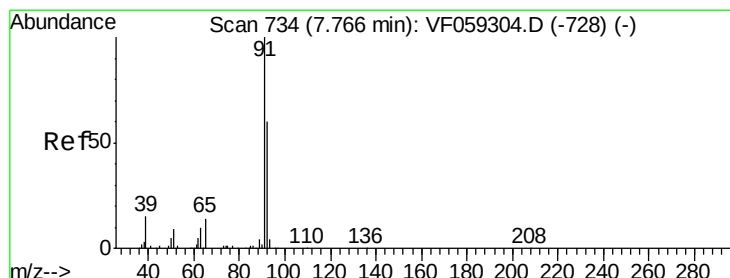
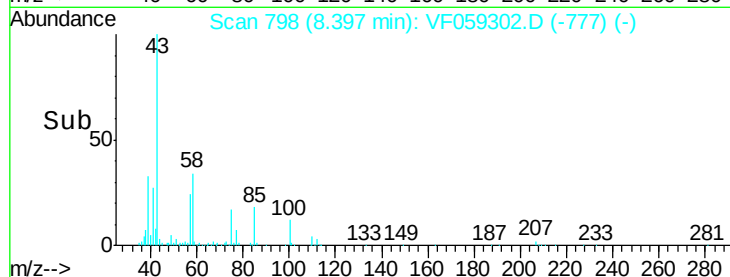
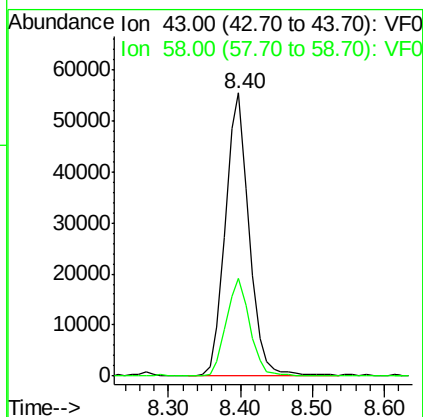
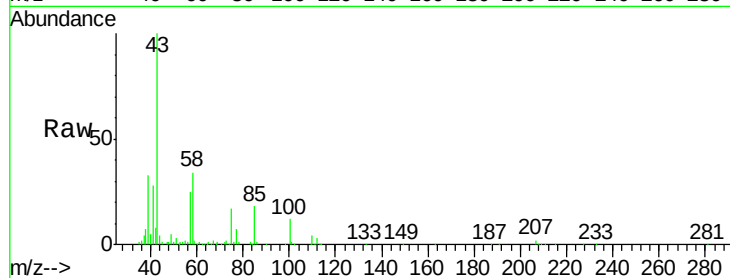
58 34.4 28.4 42.6

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#52

Toluene

Concen: 9.14 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059302.D

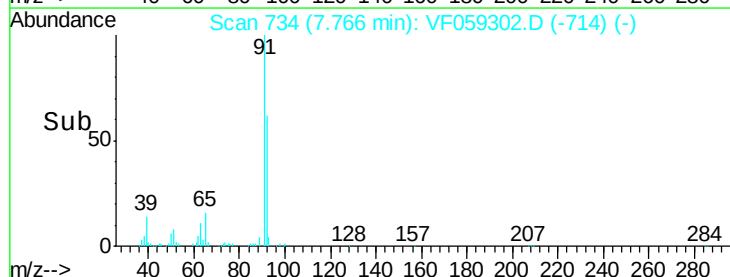
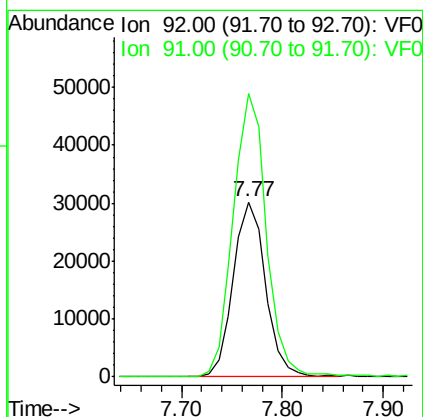
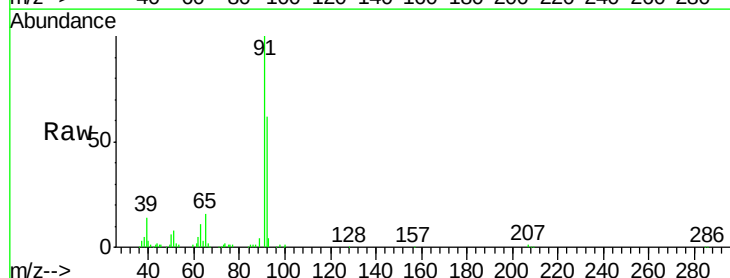
Acq: 25 Jun 2018 15:18

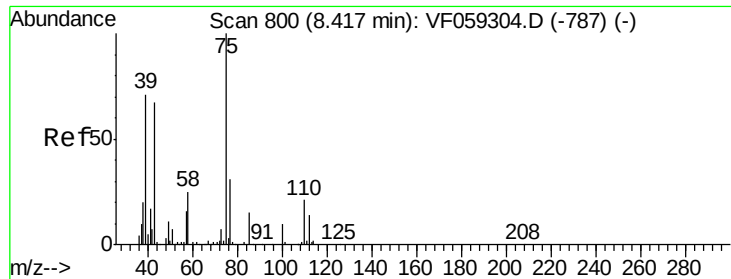
Tgt Ion: 92 Resp: 67777

Ion Ratio Lower Upper

92 100

91 161.6 132.8 199.2





#53

t-1,3-Dichloropropene

Concen: 8.67 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 46058

Ion Ratio Lower Upper

75 100

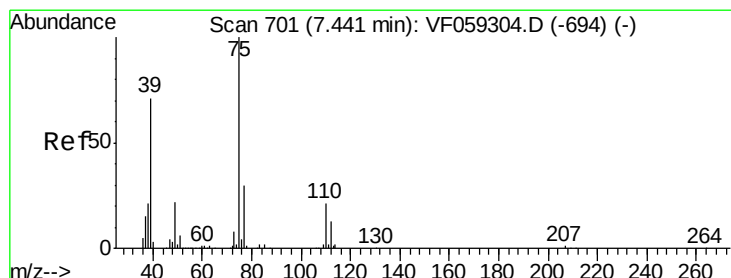
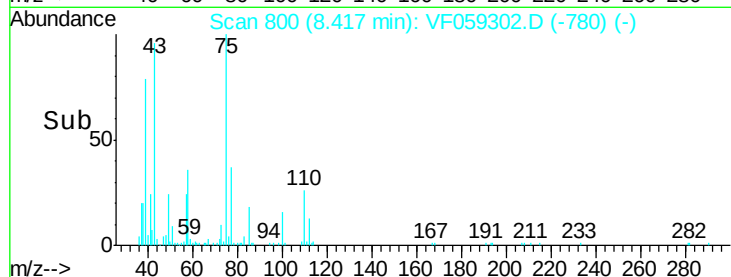
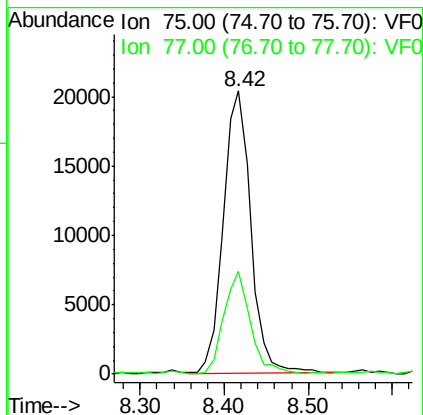
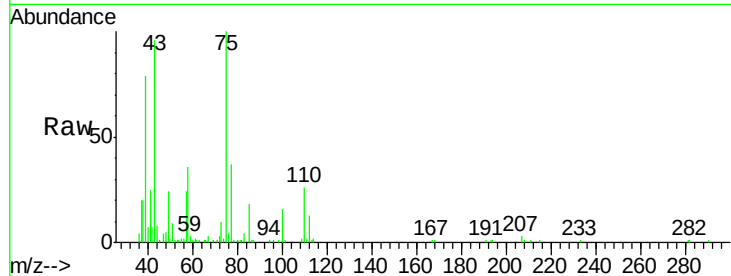
77 36.5 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 8.92 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

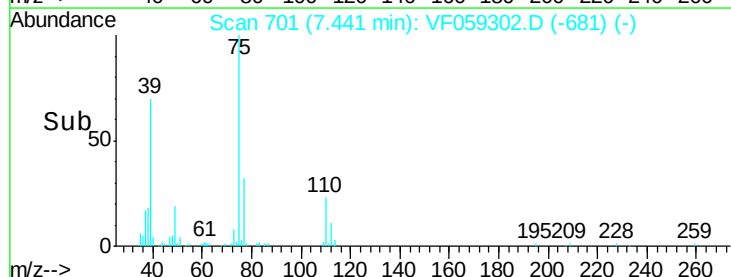
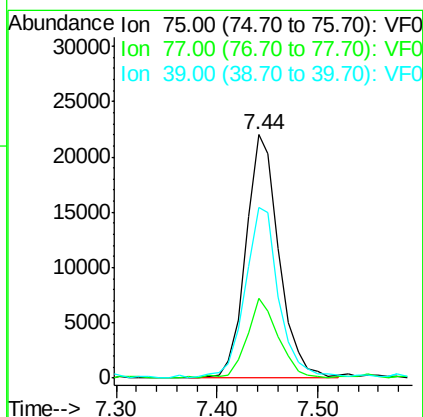
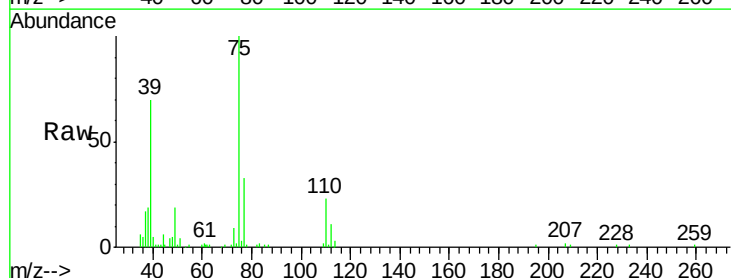
Tgt Ion: 75 Resp: 50394

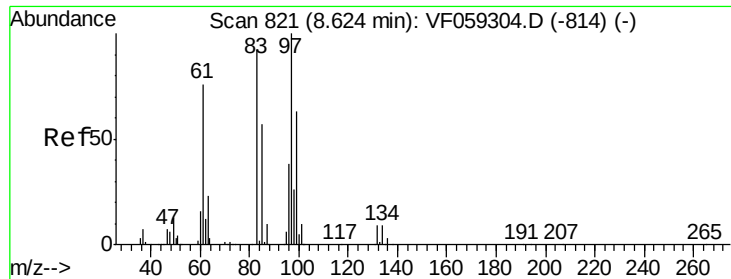
Ion Ratio Lower Upper

75 100

77 32.6 24.3 36.5

39 70.1 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 8.80 ug/l

RT: 8.62 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

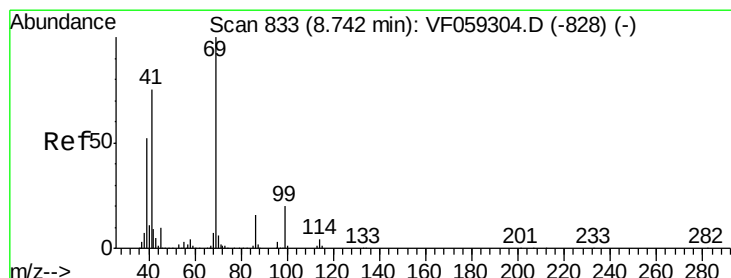
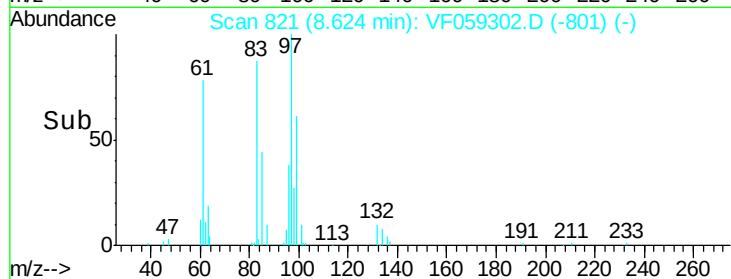
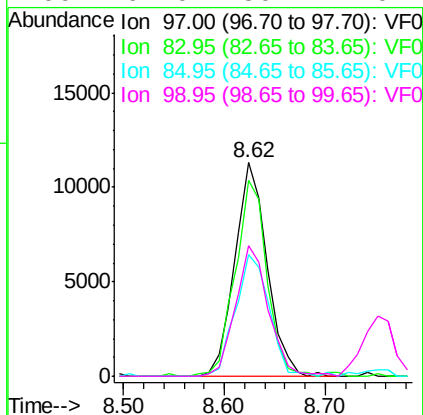
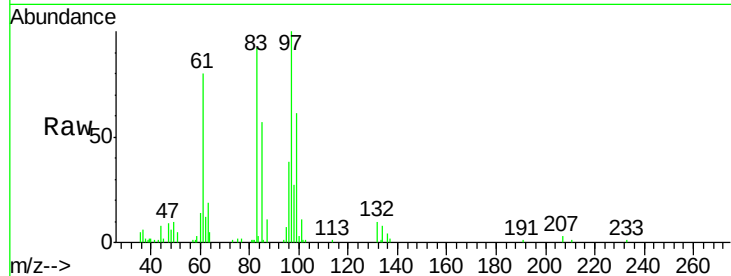
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	25210
Ion	Ratio	Lower	Upper
97	100		
83	91.8	73.8	110.8
85	56.9	45.5	68.3
99	61.0	50.7	76.1

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#56

Ethyl methacrylate

Concen: 9.22 ug/l

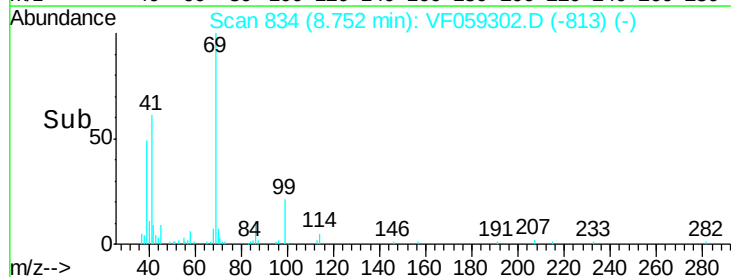
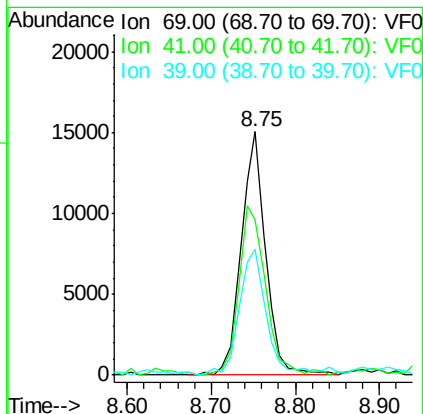
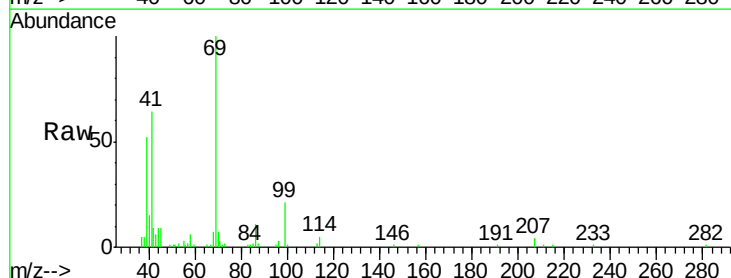
RT: 8.75 min Scan# 834

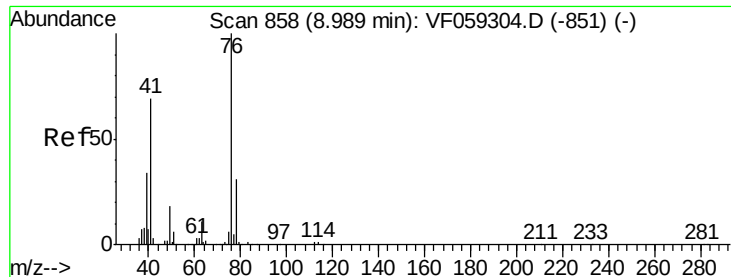
Delta R.T. 0.01 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Tgt Ion:	69	Resp:	30361
Ion	Ratio	Lower	Upper
69	100		
41	63.6	60.3	90.5
39	51.5	42.2	63.4





#57

1,3-Dichloropropane

Concen: 9.41 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 44590

Ion Ratio Lower Upper

76 100

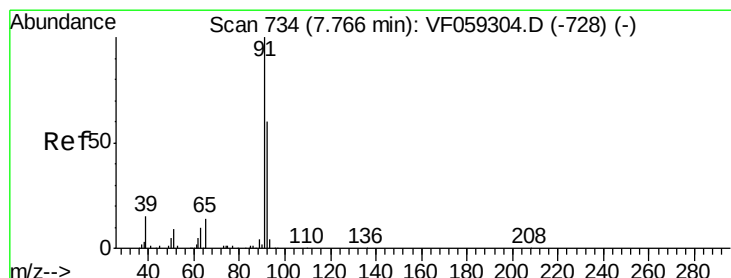
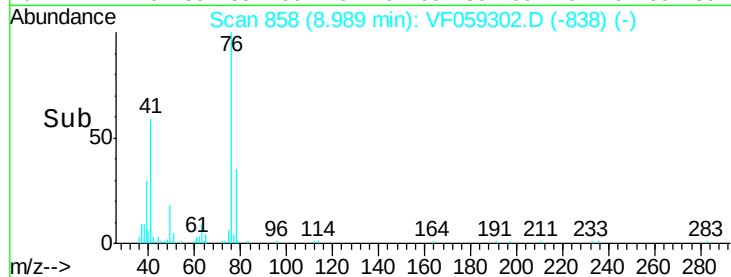
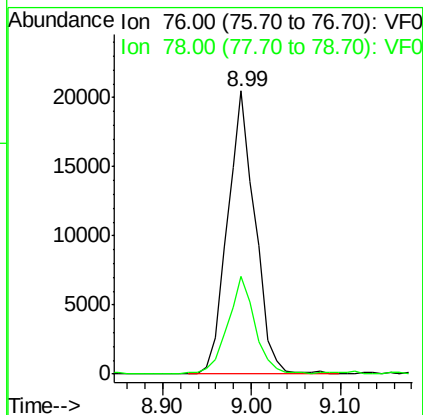
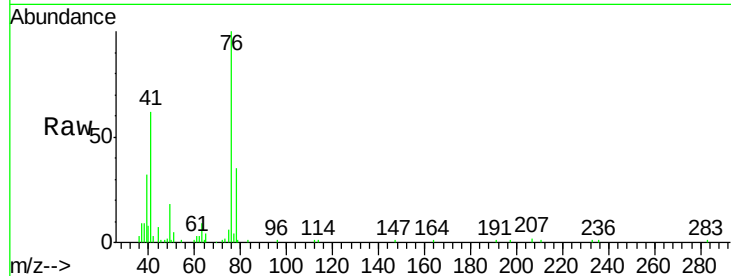
78 34.5 24.9 37.3

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#58

2-Chloroethyl Vinyl ether

Concen: 45.20 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059302.D

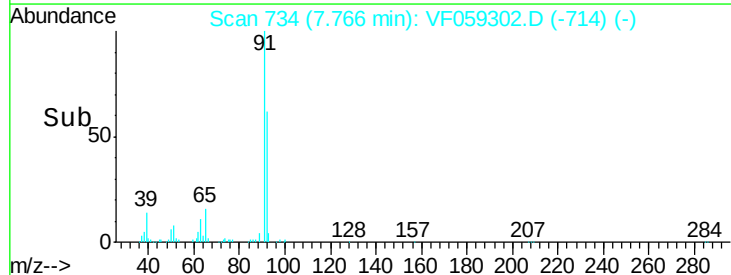
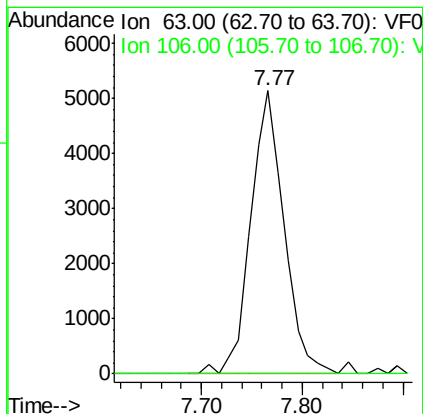
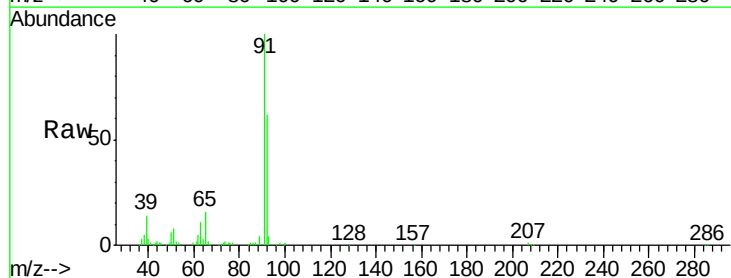
Acq: 25 Jun 2018 15:18

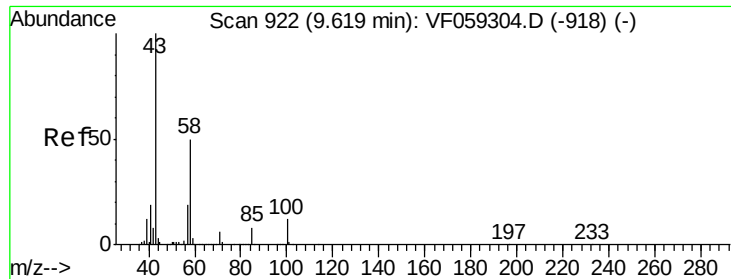
Tgt Ion: 63 Resp: 11832

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





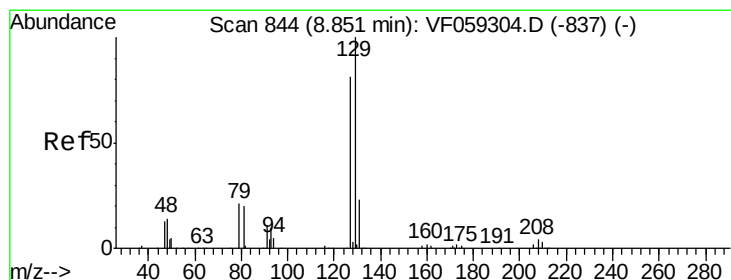
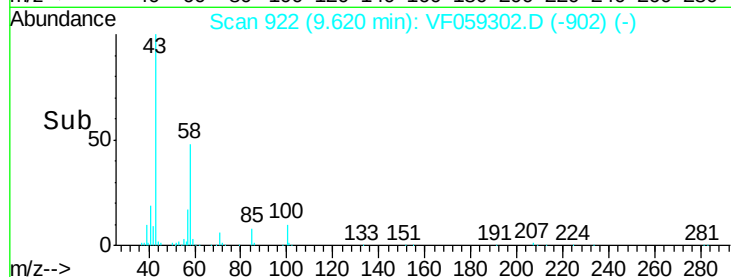
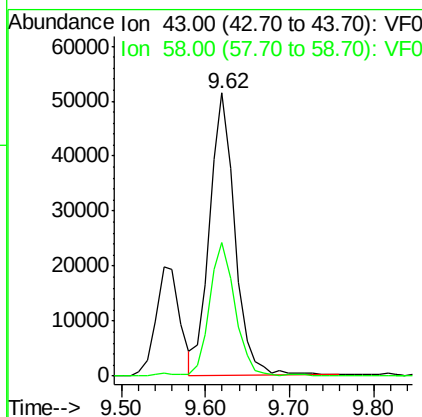
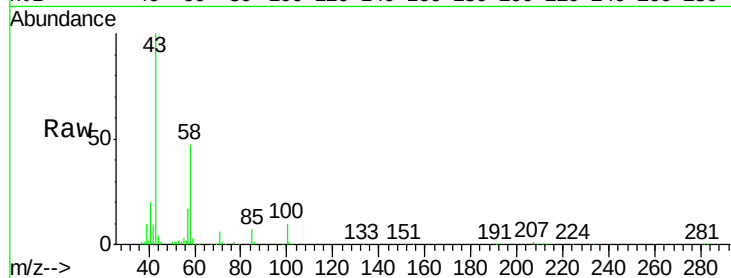
#59
2-Hexanone
Concen: 51.80 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.3	23.3	69.9

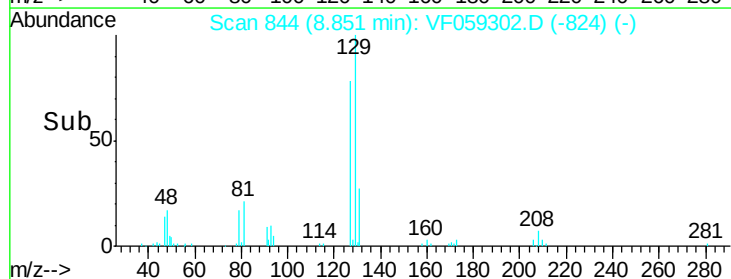
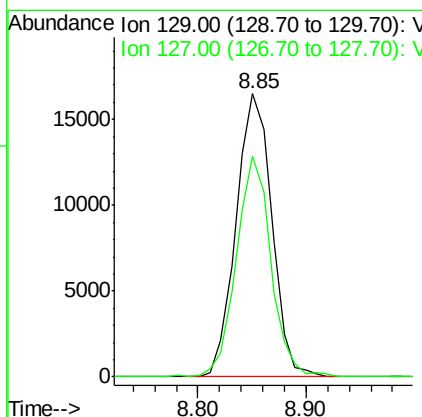
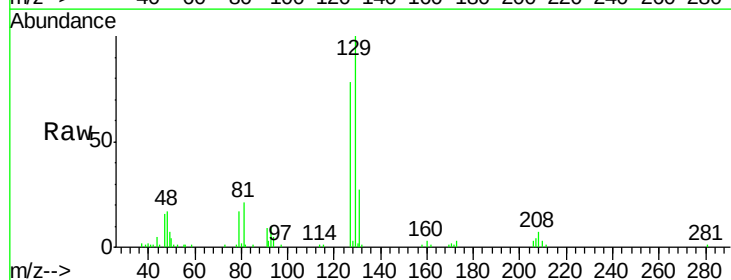
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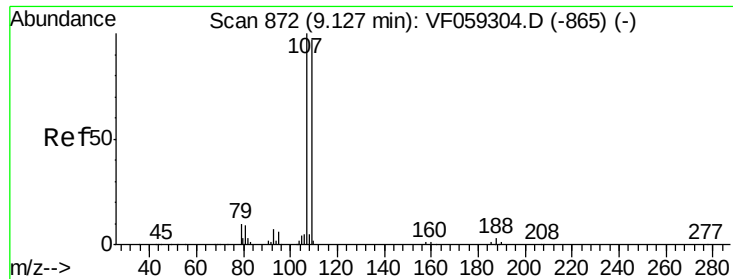
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#60
Dibromochloromethane
Concen: 8.96 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	40.7	122.1





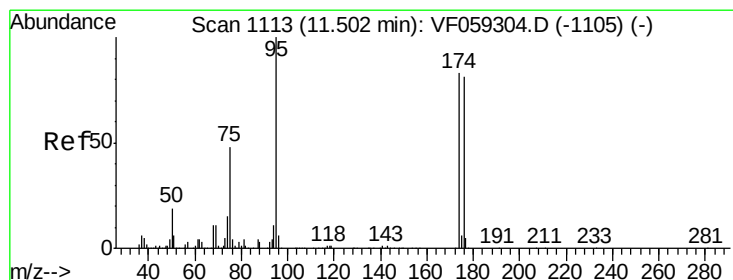
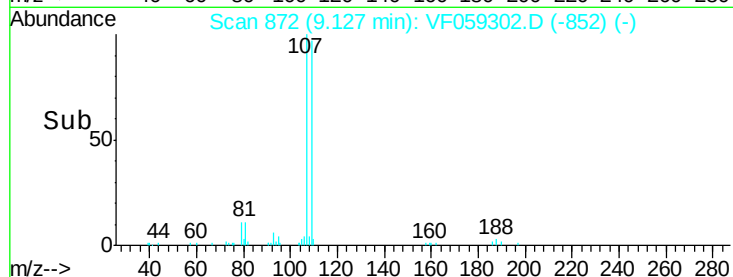
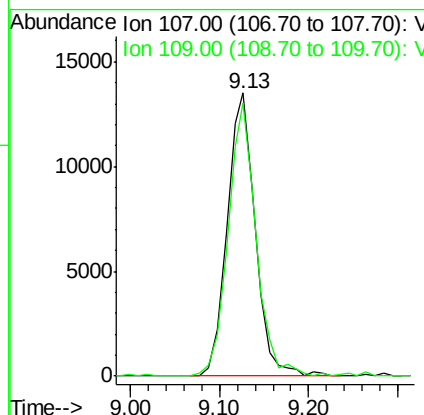
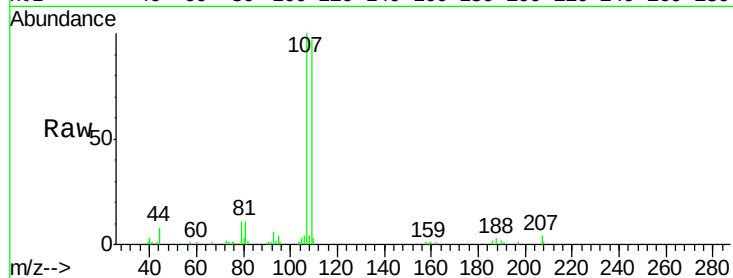
#61
 1,2-Dibromoethane
 Concen: 8.98 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. 0.00 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		29886		
109	96.6	77.3	115.9		

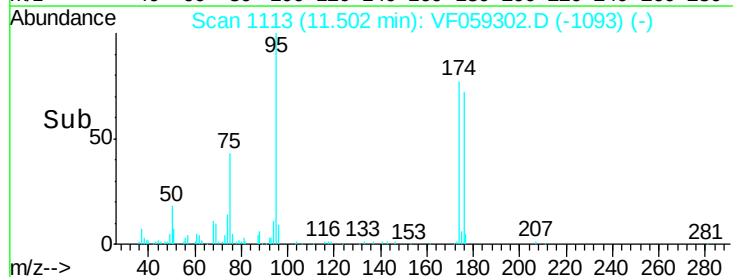
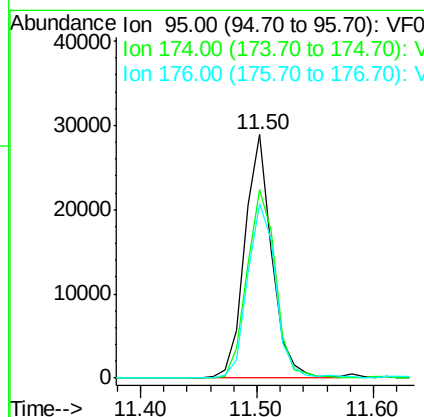
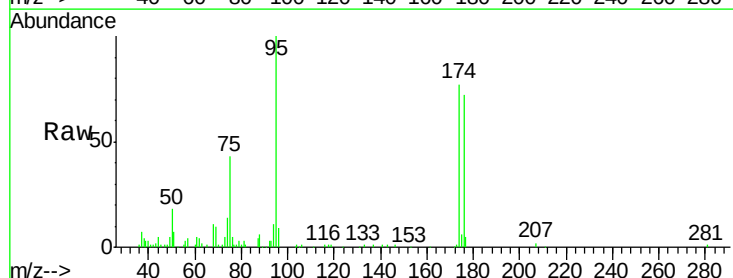
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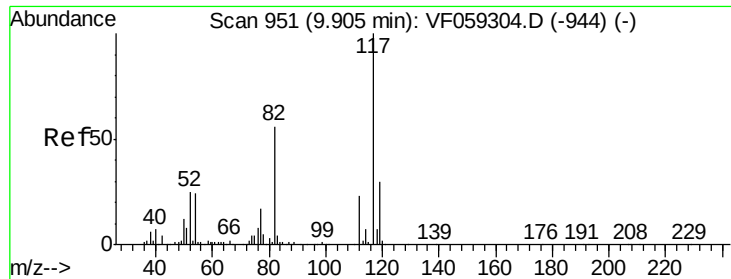
apatel
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#62
 4-Bromofluorobenzene
 Concen: 9.15 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		46705		
174	77.3	0.0	165.2		
176	71.7	0.0	161.0		





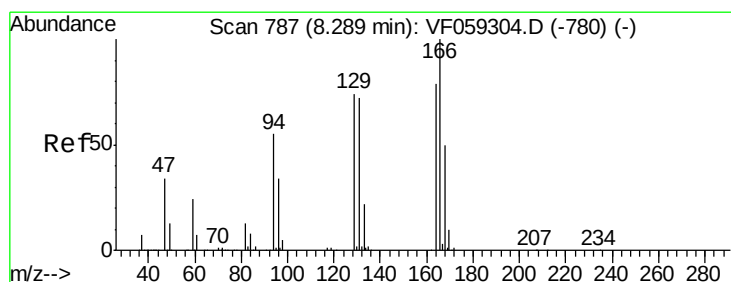
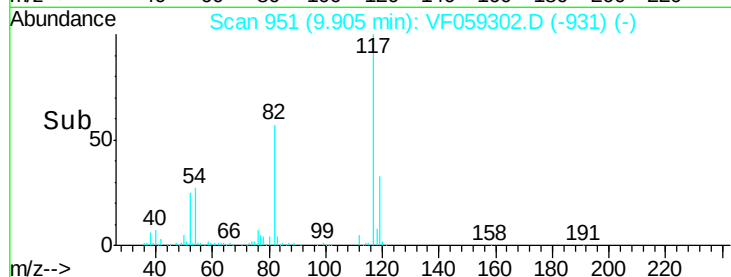
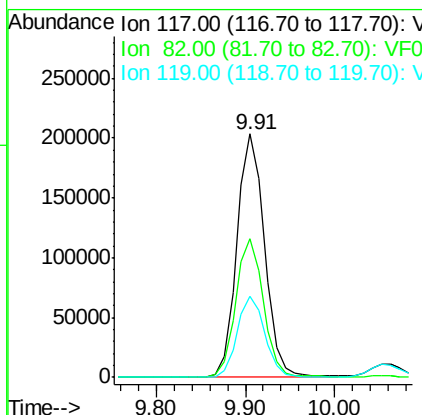
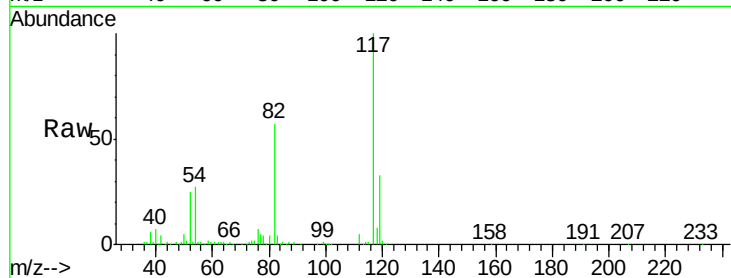
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	441215		
82	56.7		44.6	66.8
119	33.5		24.1	36.1

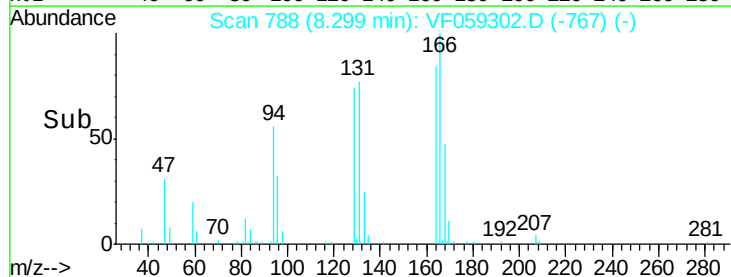
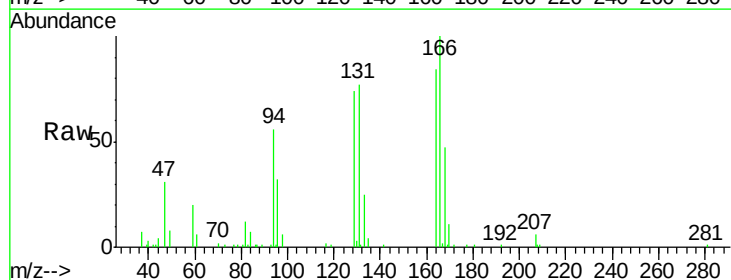
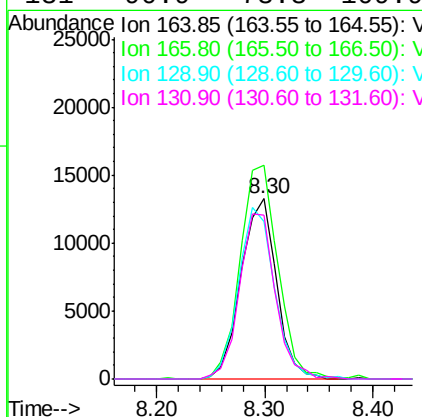
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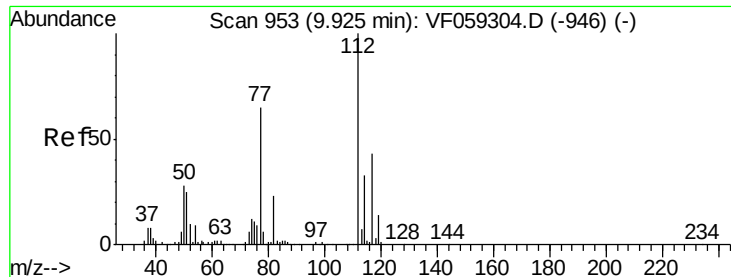
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#64
Tetrachloroethene
Concen: 9.22 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	30352		
166	118.5		101.1	151.7
129	87.5		75.0	112.4
131	90.9		73.3	109.9





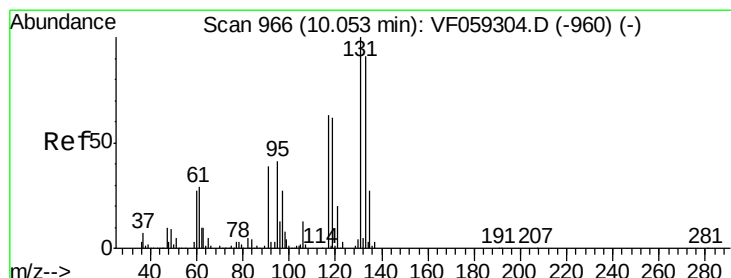
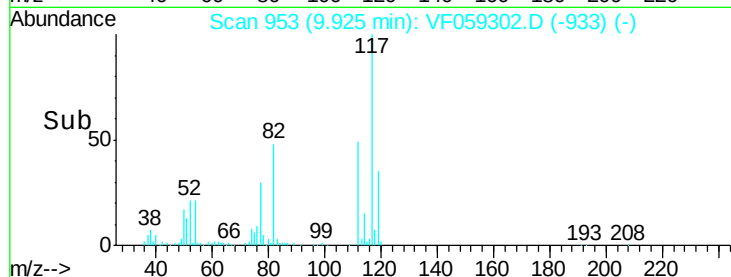
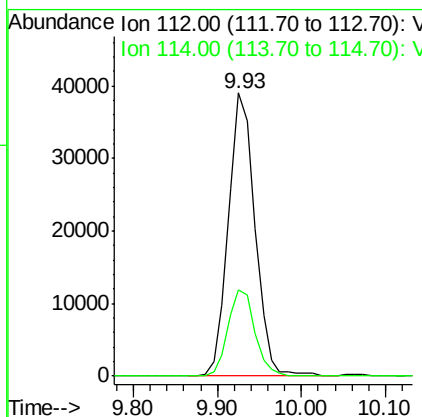
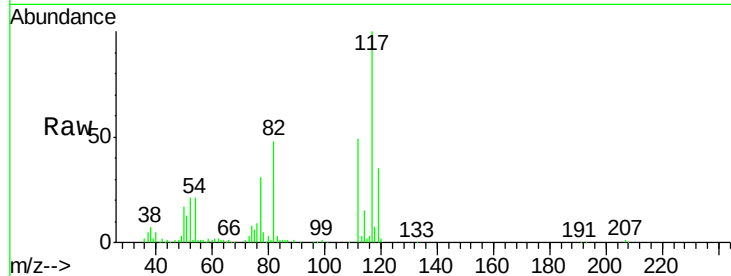
#65
Chlorobenzene
Concen: 9.44 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.6	26.5	39.7

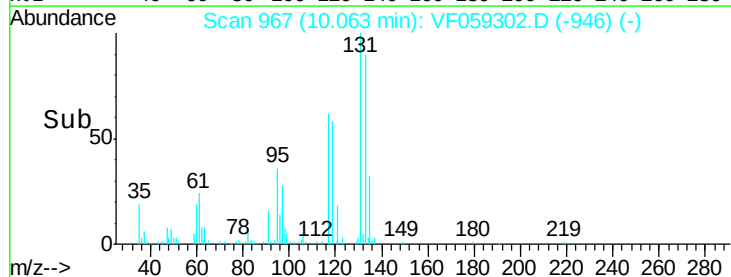
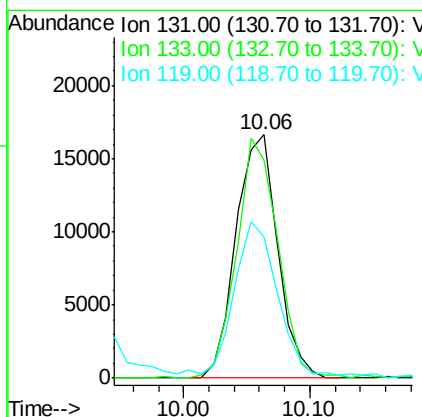
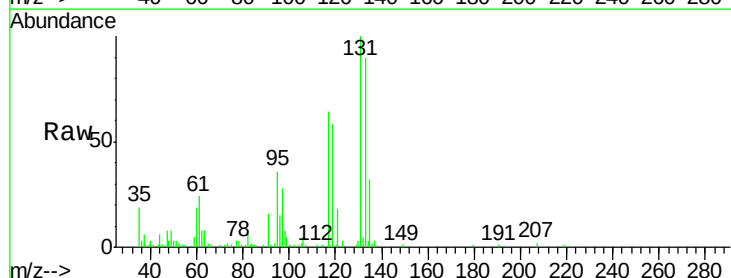
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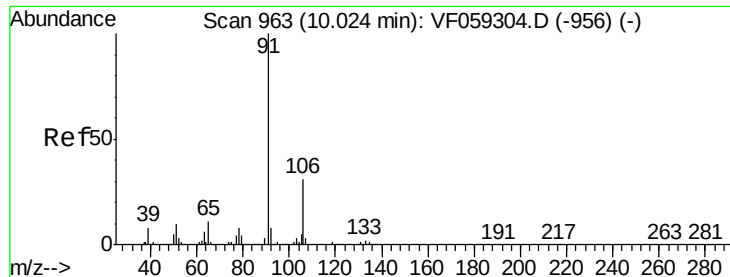
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.93 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	89.7	45.3	135.9
119	57.9	31.3	93.9





#67

Ethyl Benzene

Concen: 9.69 ug/l

RT: 10.02 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 149781

Ion Ratio Lower Upper

91 100

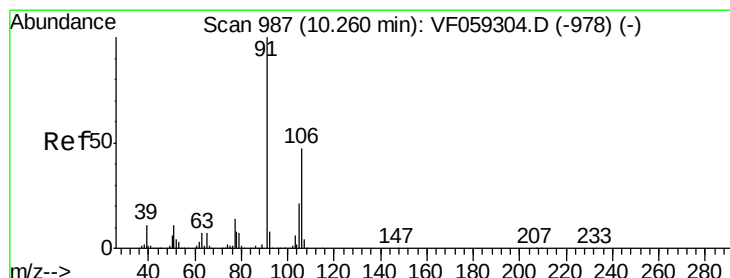
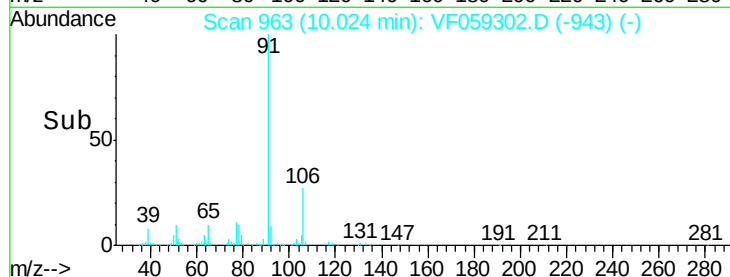
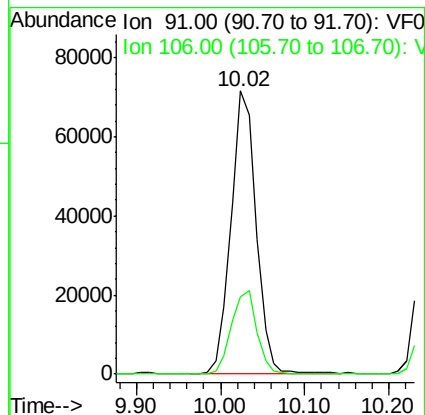
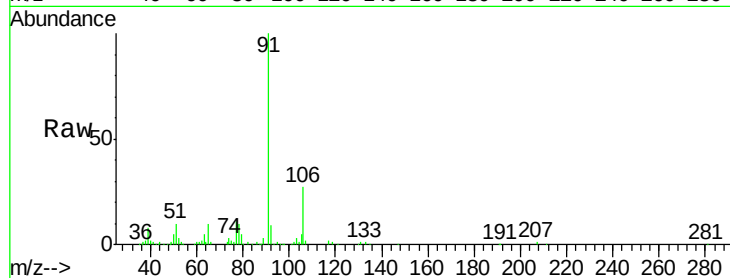
106 27.2 24.8 37.2

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#68

m/p-Xylenes

Concen: 19.62 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF059302.D

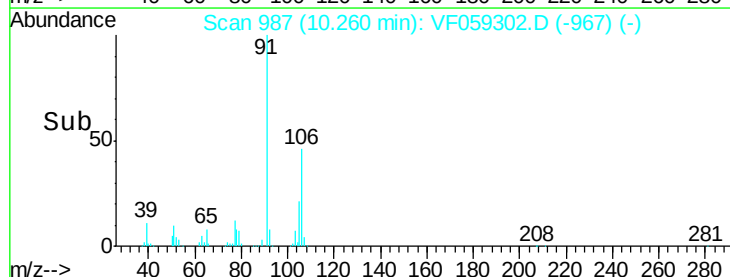
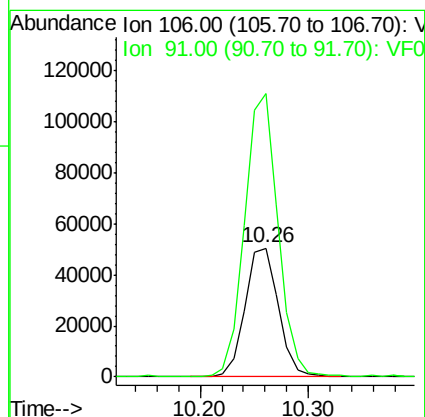
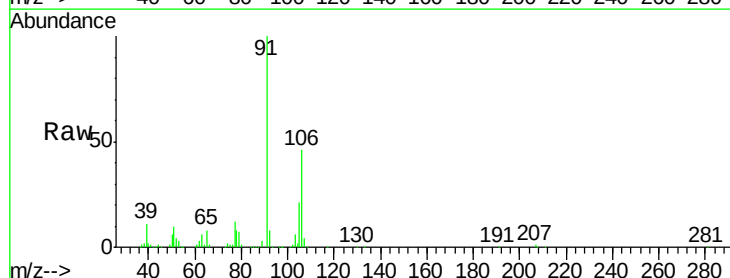
Acq: 25 Jun 2018 15:18

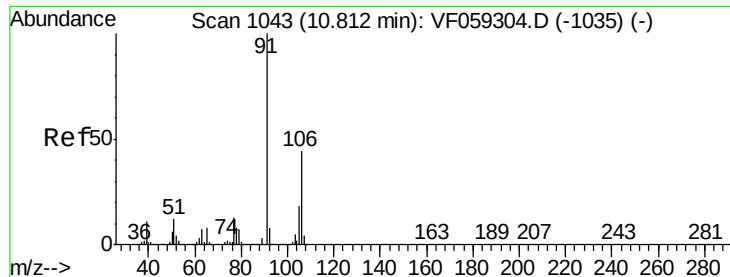
Tgt Ion: 106 Resp: 108339

Ion Ratio Lower Upper

106 100

91 219.2 170.8 256.2





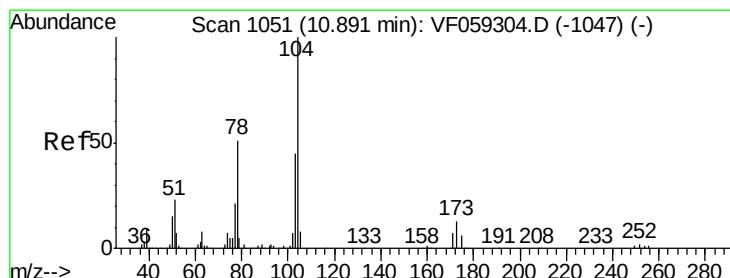
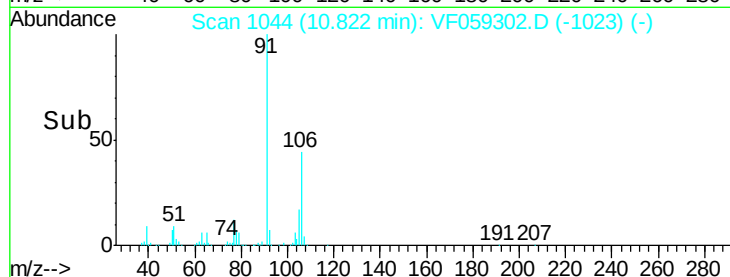
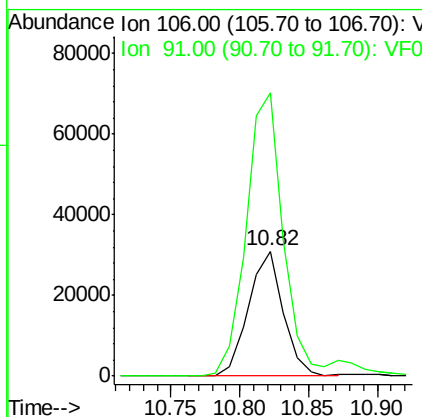
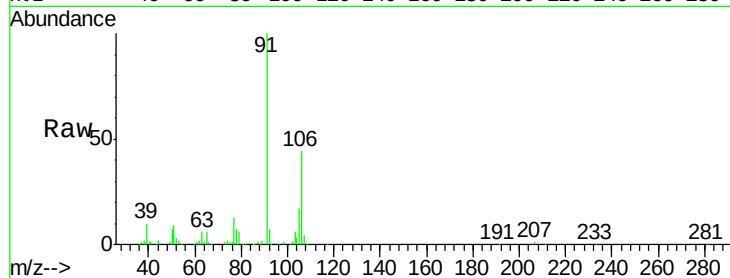
#69
o-Xylene
Concen: 9.00 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 55073
Ion Ratio Lower Upper
106 100
91 226.7 114.6 343.6

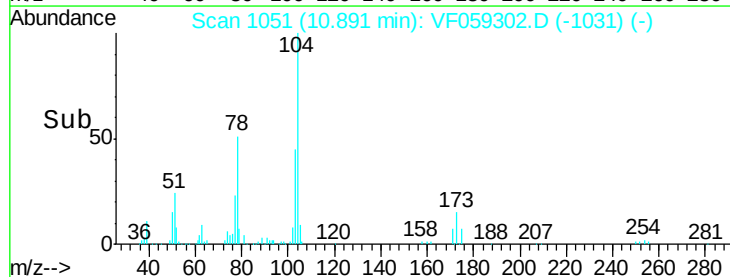
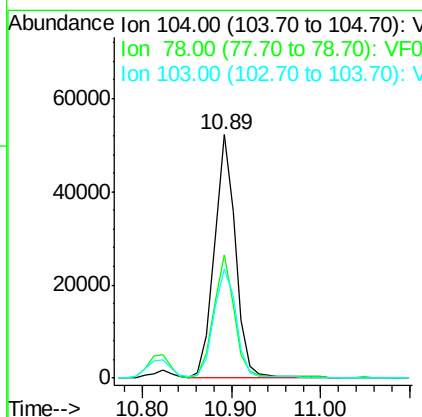
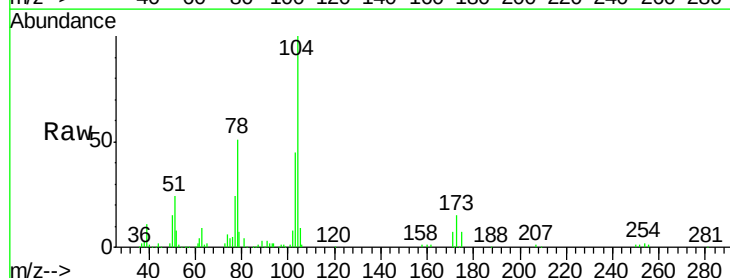
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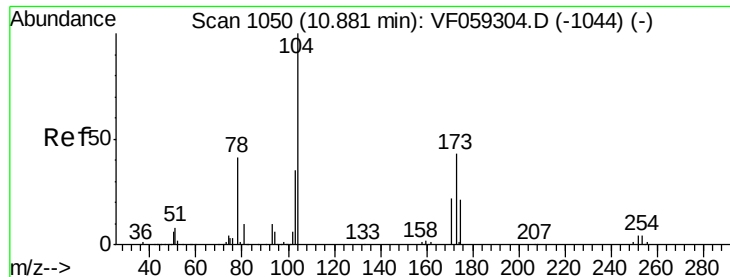
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#70
Styrene
Concen: 9.39 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion:104 Resp: 87263
Ion Ratio Lower Upper
104 100
78 50.6 40.9 61.3
103 44.8 36.5 54.7





#71

Bromoform

Concen: 9.04 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

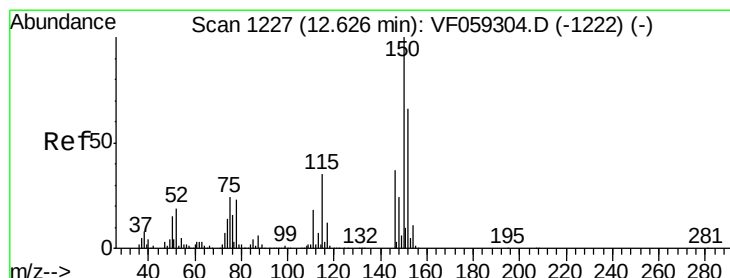
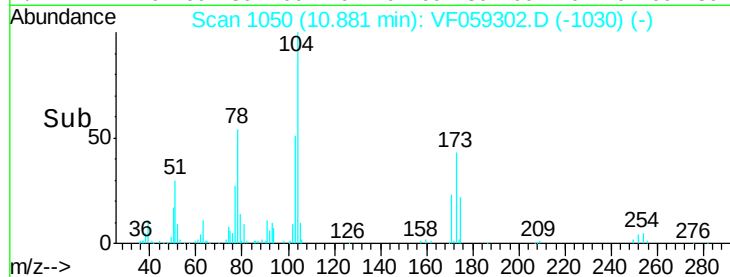
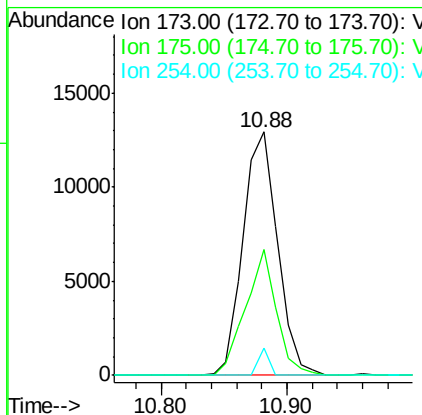
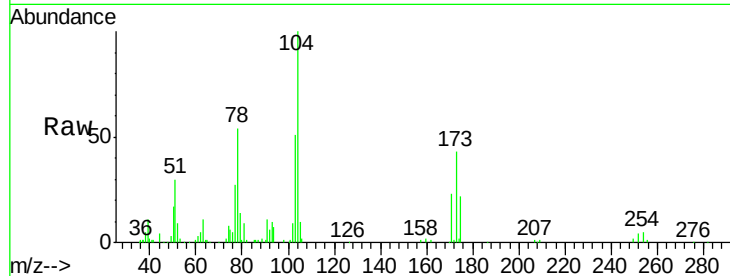
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.6	24.8	74.3
254	11.3	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

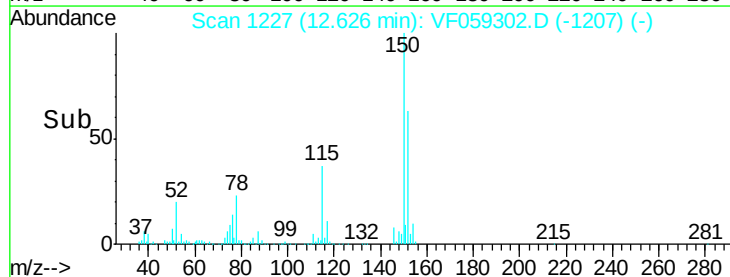
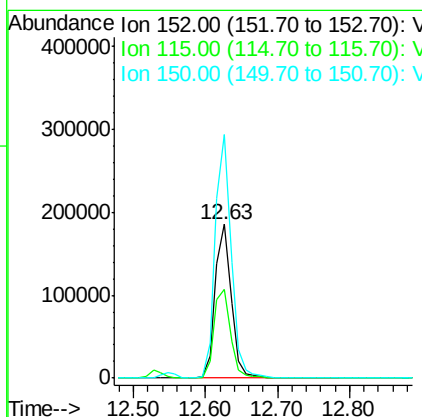
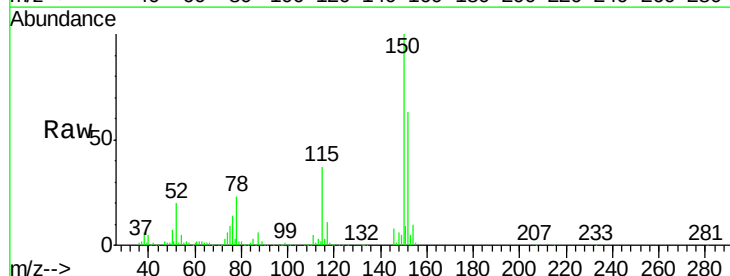
RT: 12.63 min Scan# 1227

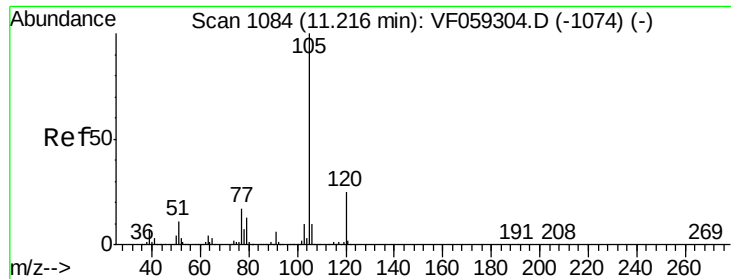
Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	27.1	81.3
150	158.5	0.0	305.2





#73

Isopropylbenzene

Concen: 8.94 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 168162

Ion Ratio Lower Upper

105 100

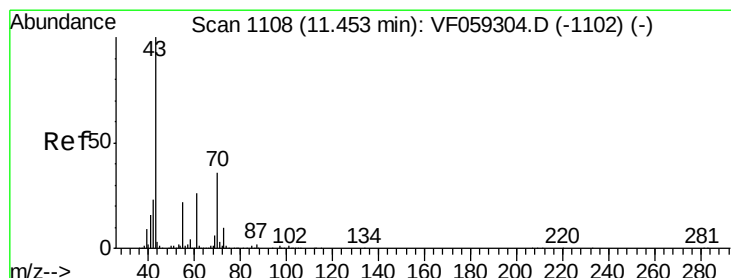
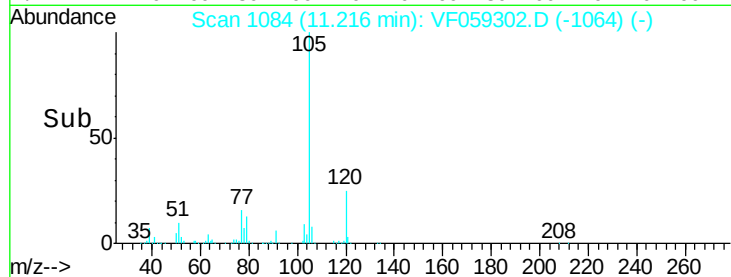
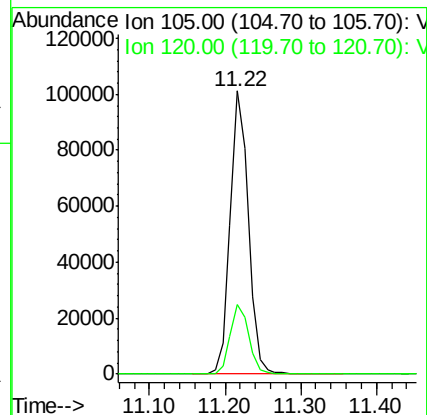
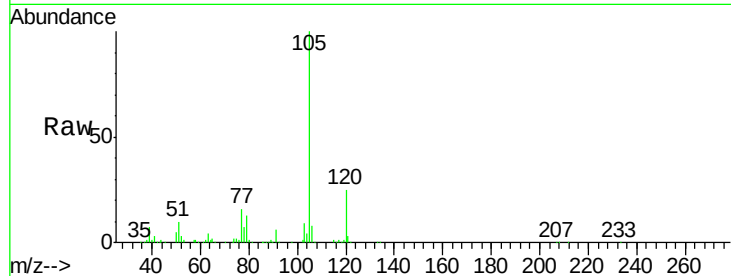
120 24.7 12.3 36.8

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#74

N-ethyl acetate

Concen: 9.76 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Tgt Ion: 43 Resp: 61232

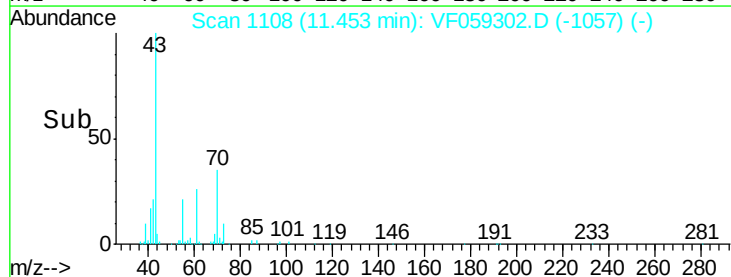
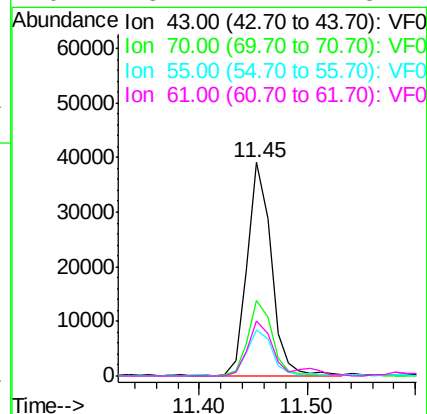
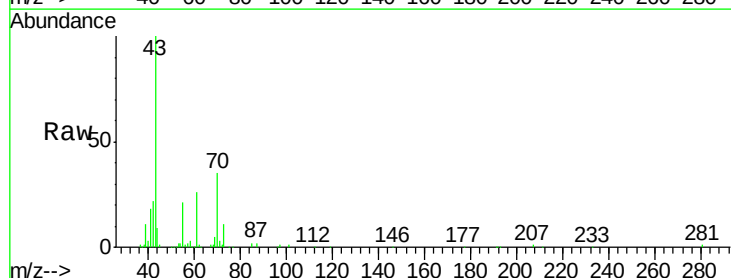
Ion Ratio Lower Upper

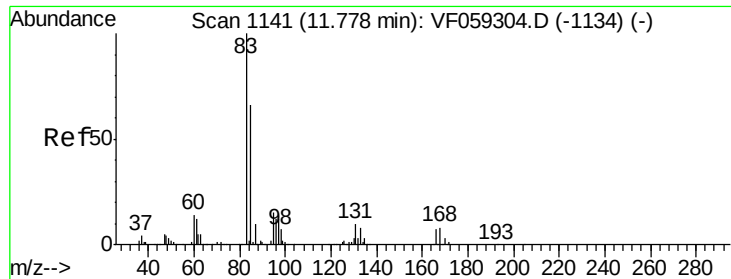
43 100

70 35.5 28.8 43.2

55 21.5 17.4 26.0

61 25.7 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 9.92 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

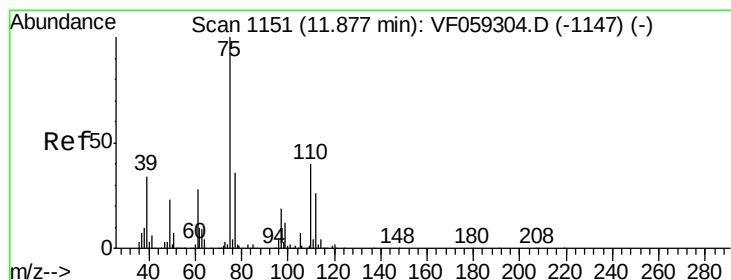
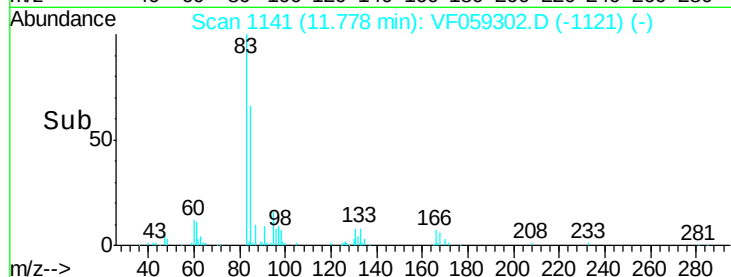
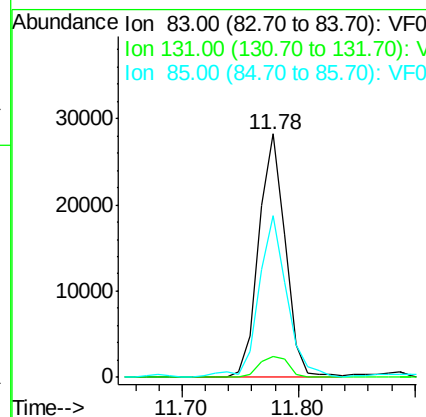
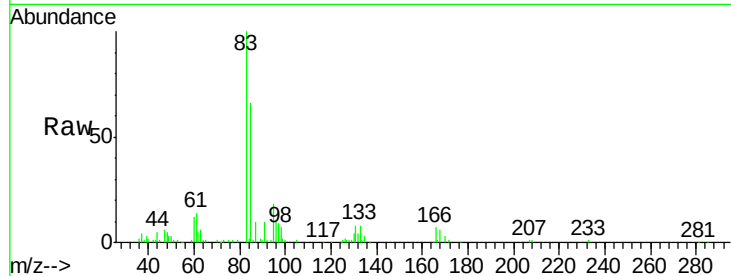
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	44649
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.9	14.6
85	66.2	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 10.24 ug/l

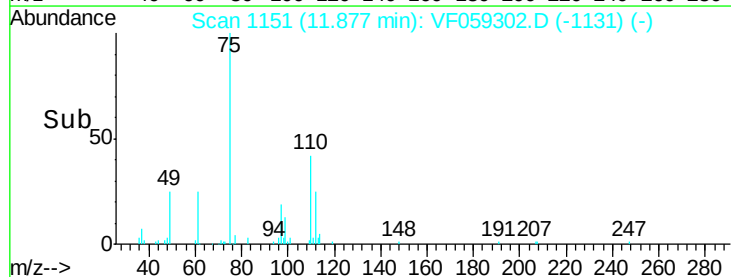
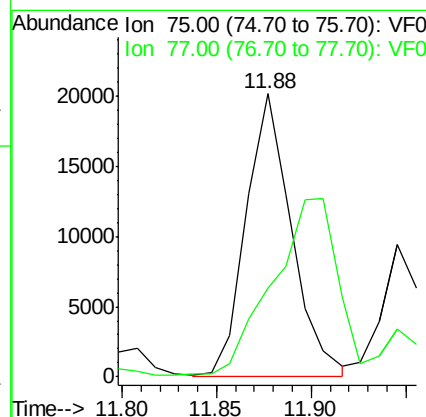
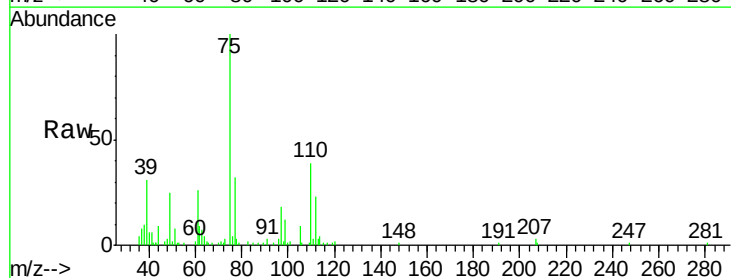
RT: 11.88 min Scan# 1151

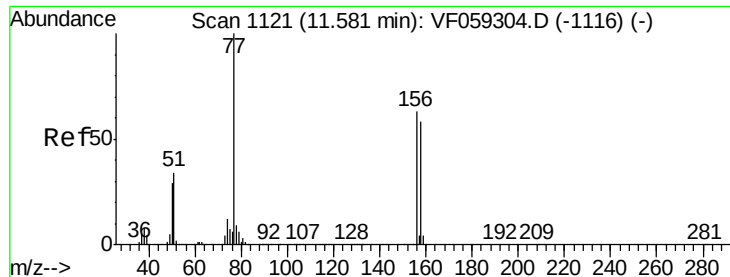
Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Tgt Ion:	75	Resp:	33700
Ion Ratio	Lower	Upper	
75	100		
77	31.5	18.0	54.0





#77

Bromobenzene

Concen: 9.12 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

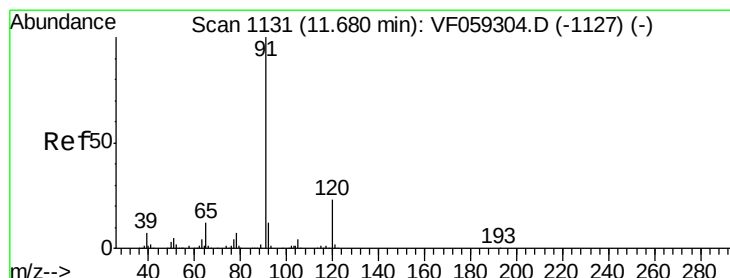
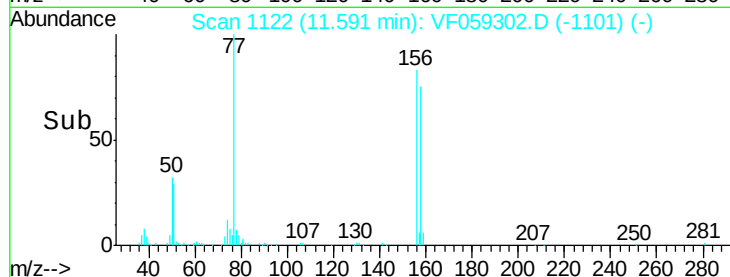
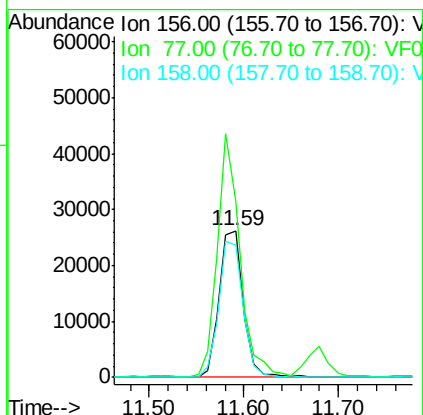
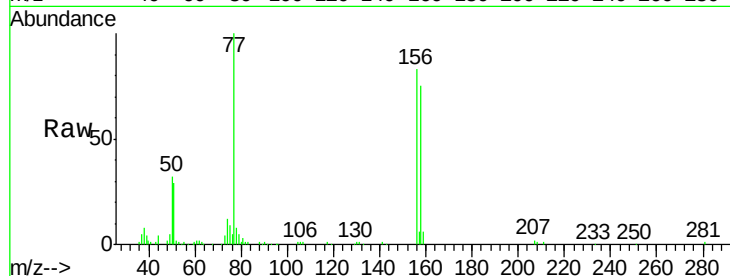
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	120.0	79.7	238.9	
158	90.3	46.2	138.6	

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#78

n-propylbenzene

Concen: 9.70 ug/l

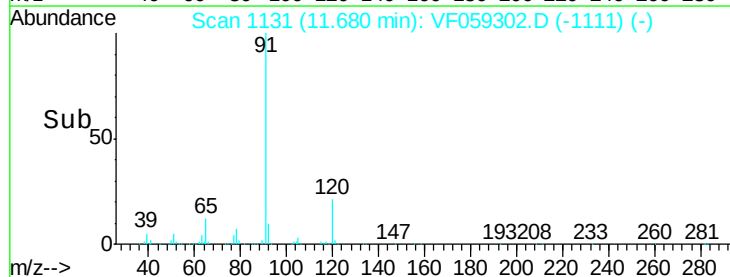
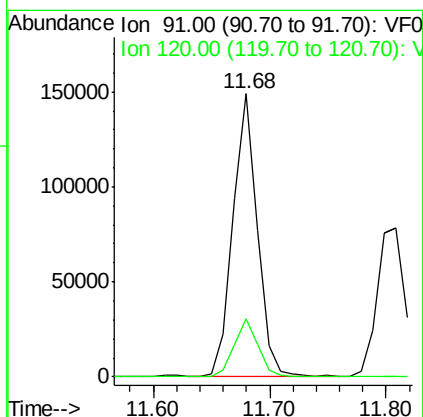
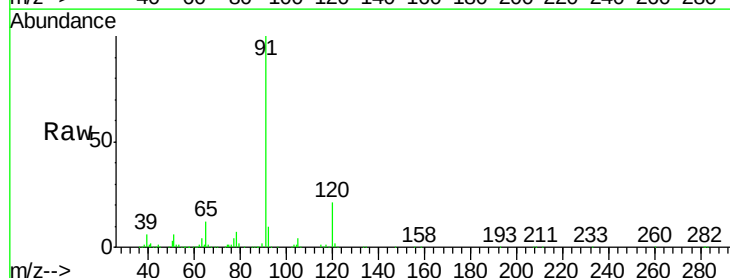
RT: 11.68 min Scan# 1131

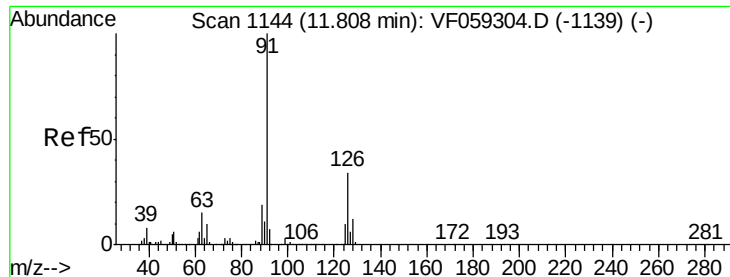
Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.7	11.7	35.0	





#79

2-Chlorotoluene

Concen: 9.69 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 129087

Ion Ratio Lower Upper

91 100

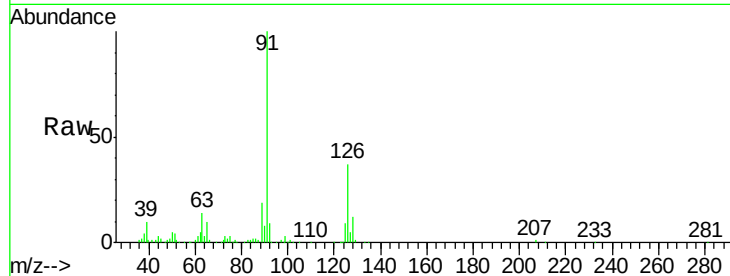
126 36.8 17.2 51.5

Manual Integrations

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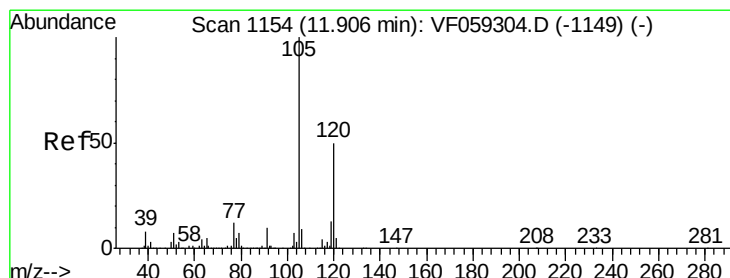
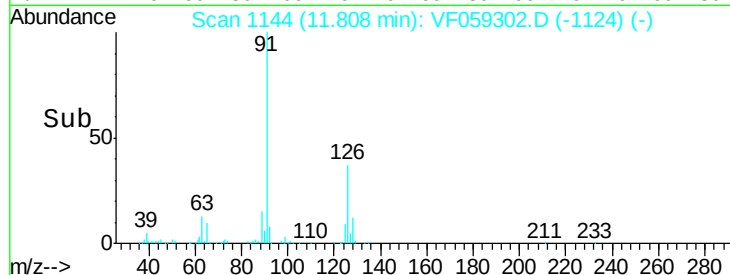
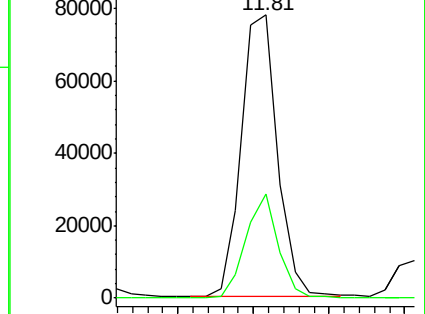
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 9.42 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059302.D

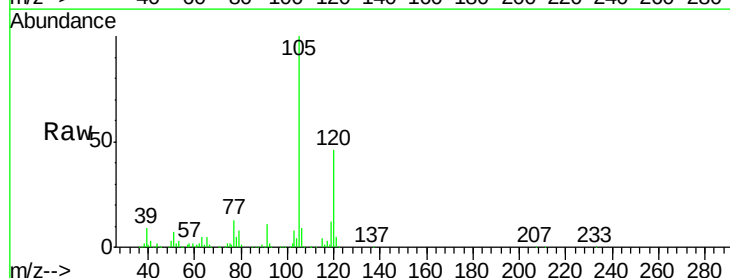
Acq: 25 Jun 2018 15:18

Tgt Ion: 105 Resp: 149561

Ion Ratio Lower Upper

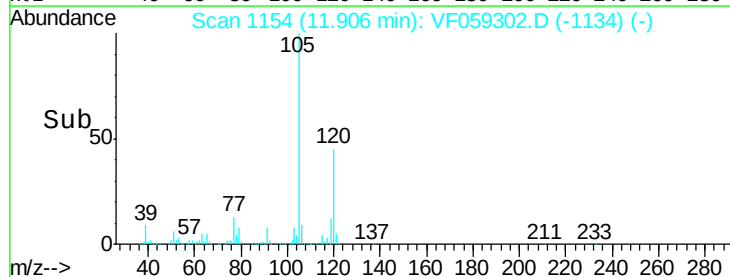
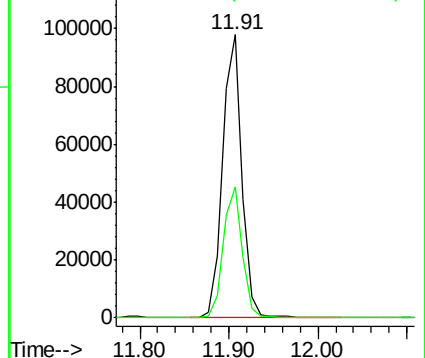
105 100

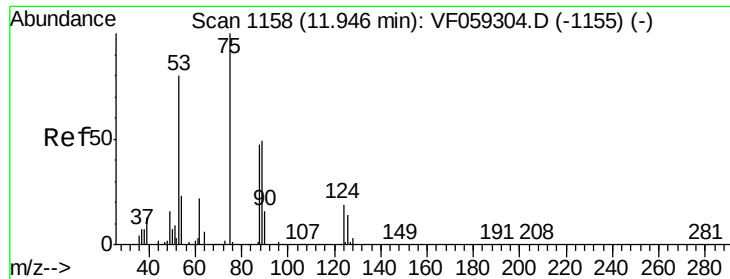
120 46.1 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





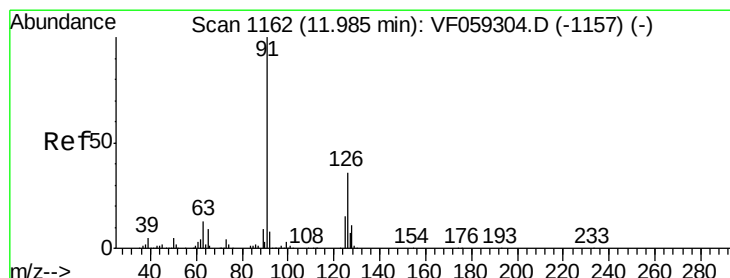
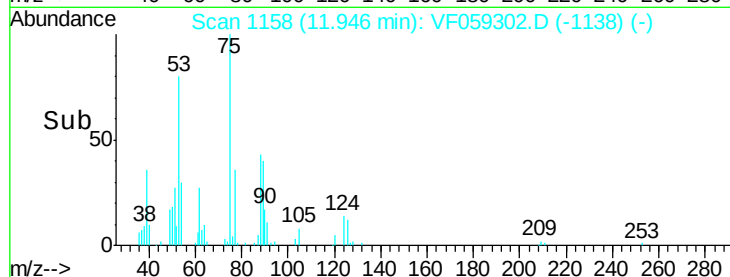
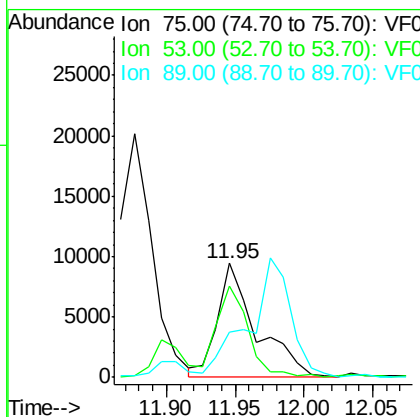
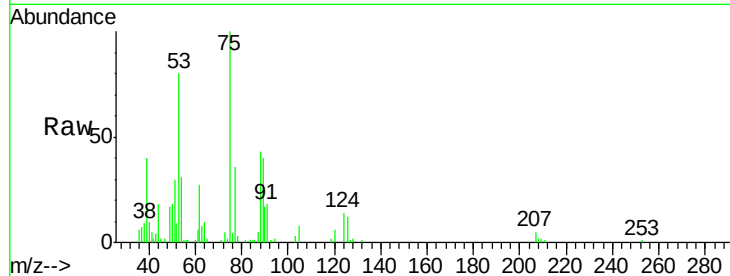
#81
trans-1,4-Dichloro-2-butene
Concen: 8.89 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.3	68.8	103.2
89	39.5	42.0	63.0#

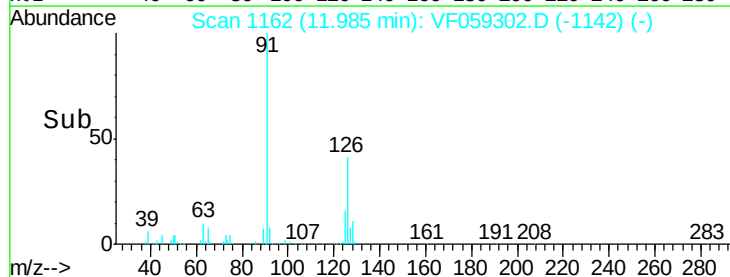
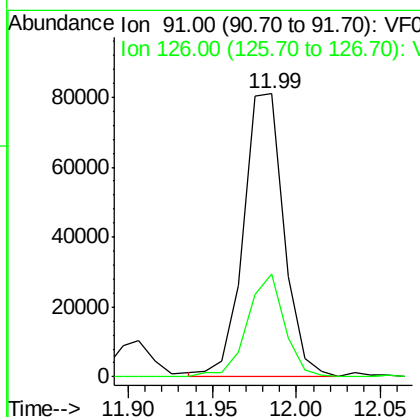
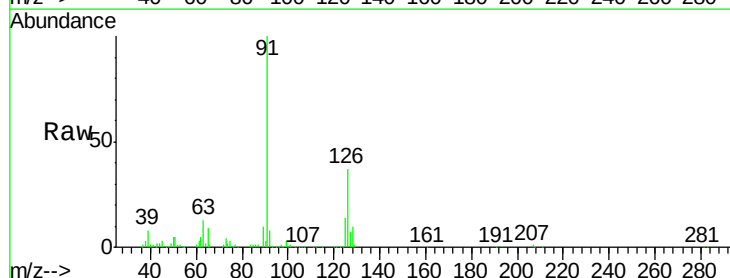
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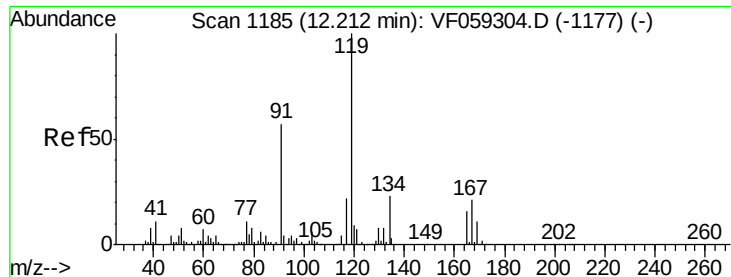
apatel
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#82
4-Chlorotoluene
Concen: 9.33 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	18.2	54.6





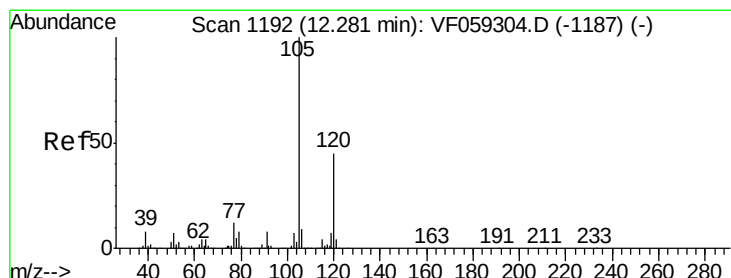
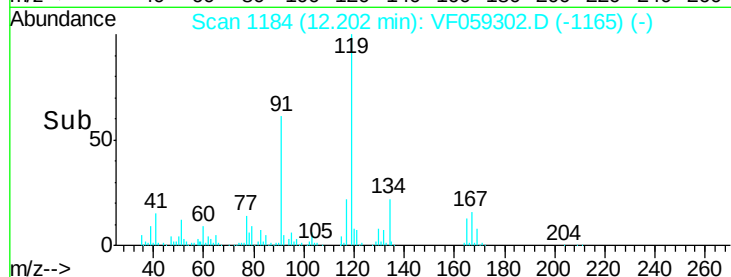
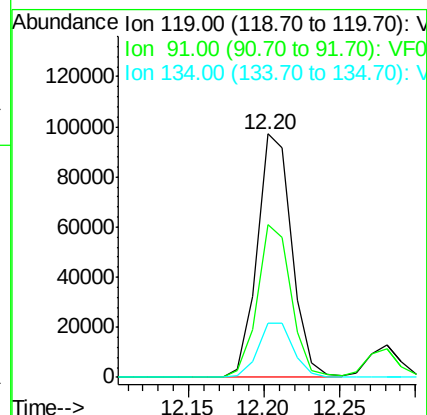
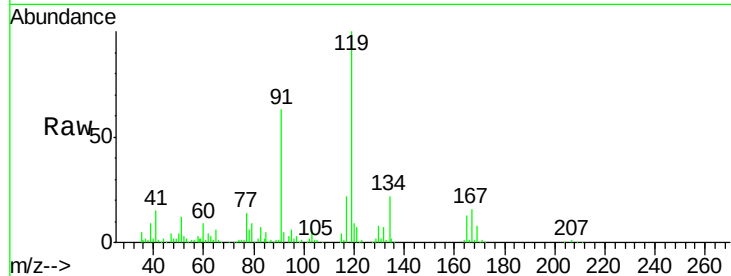
#83
 tert-Butylbenzene
 Concen: 9.71 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	155734		
91	62.8	28.4	85.2	
134	22.0	11.7	35.1	

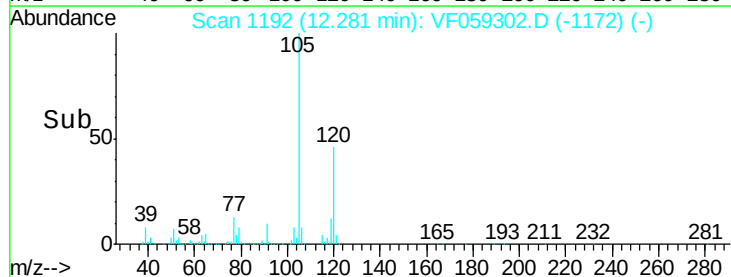
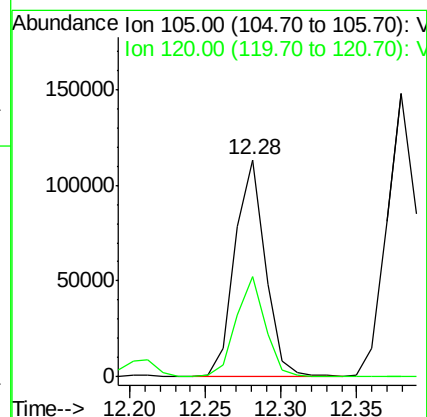
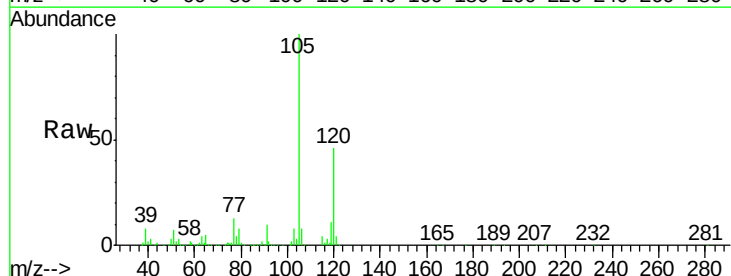
Manual Integrations
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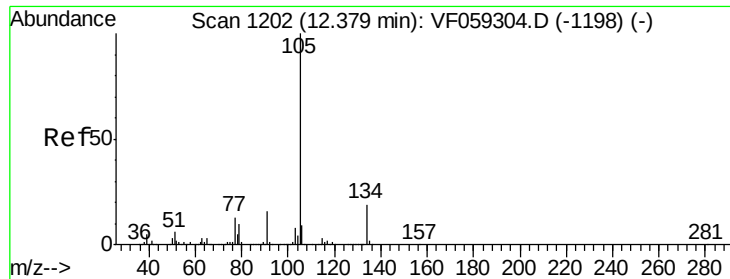
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#84
 1,2,4-Trimethylbenzene
 Concen: 9.44 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	158507		
120	46.0	22.8	68.4	





#85

sec-Butylbenzene

Concen: 9.70 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 208898

Ion Ratio Lower Upper

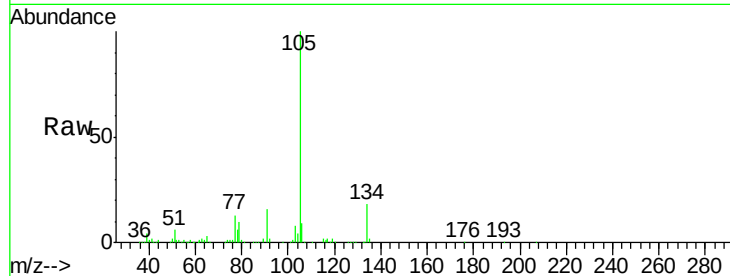
105 100

134 18.2 9.4 28.3

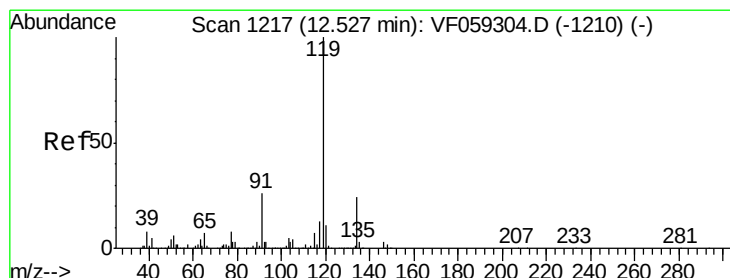
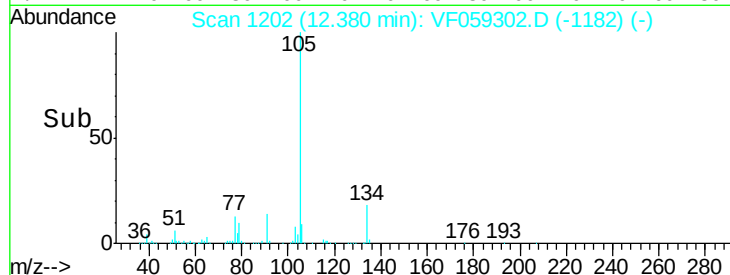
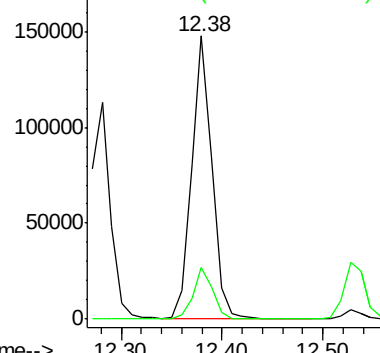
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.01 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

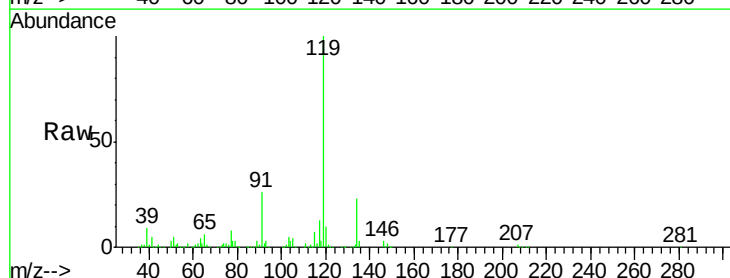
Tgt Ion:119 Resp: 176796

Ion Ratio Lower Upper

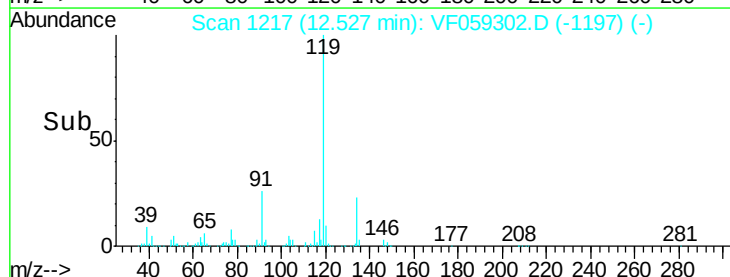
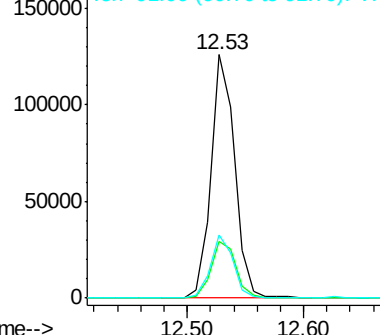
119 100

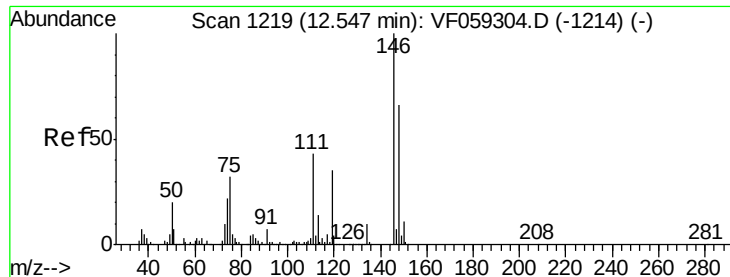
134 23.3 12.2 36.4

91 25.8 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): V





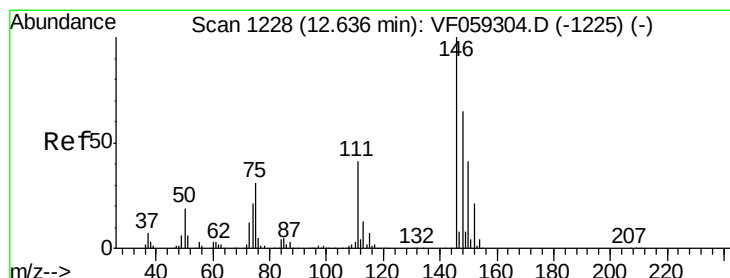
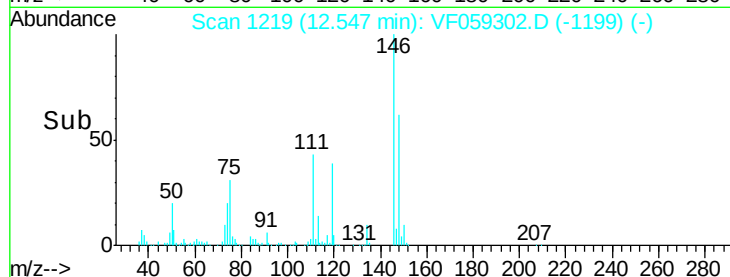
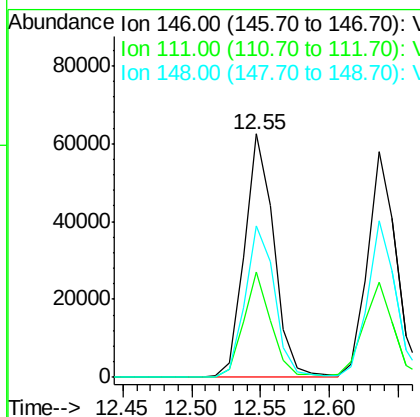
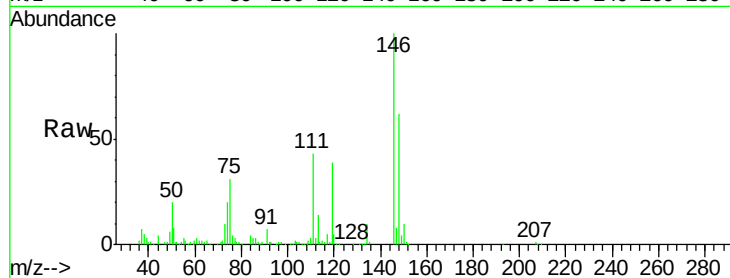
#87
 1,3-Dichlorobenzene
 Concen: 10.26 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.4	64.2
148	62.2	32.8	98.4

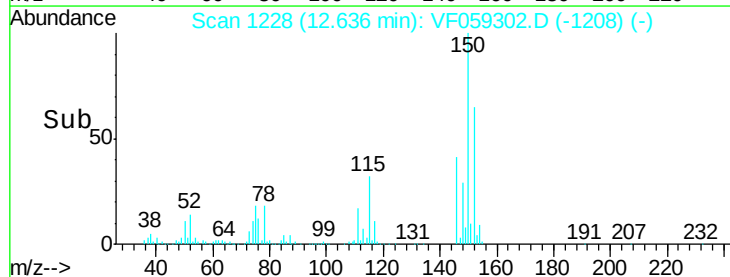
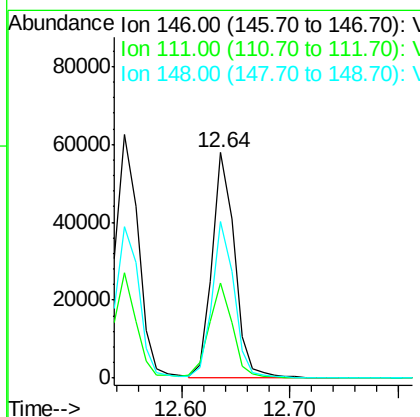
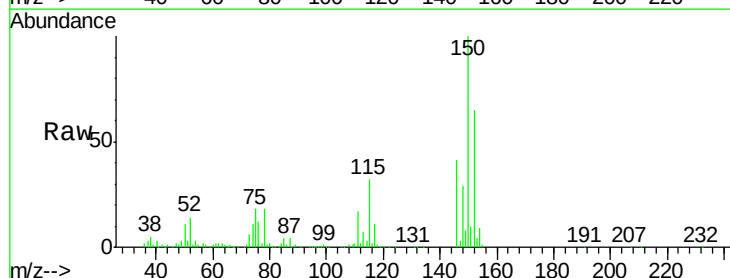
Manual Integrations
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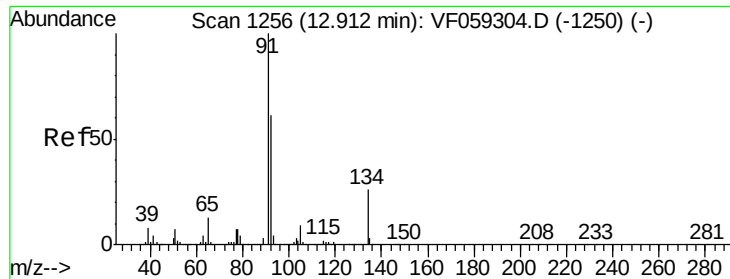
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#88
 1,4-Dichlorobenzene
 Concen: 9.42 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.7	62.1
148	69.2	32.8	98.3





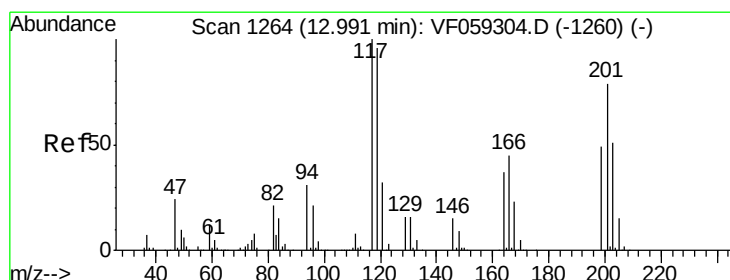
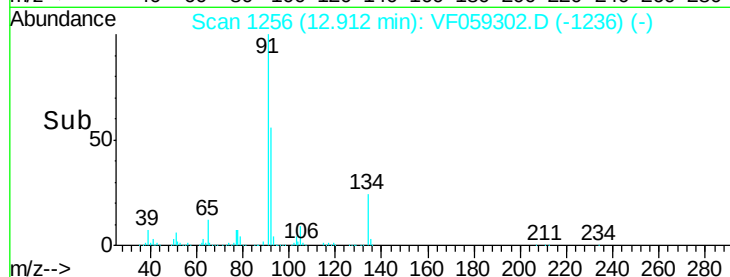
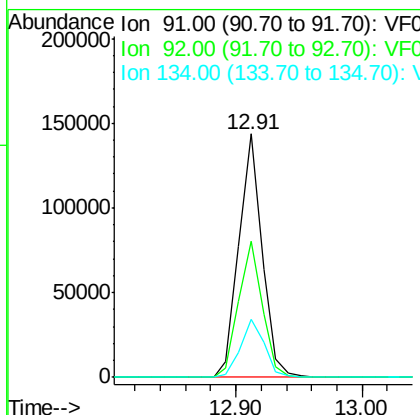
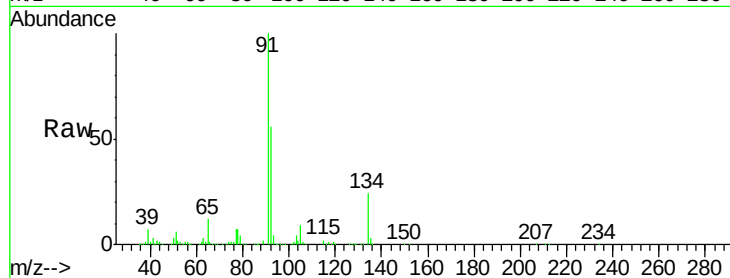
#89
n-Butylbenzene
Concen: 10.22 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100	183476		
92	55.8	30.3	91.0	
134	24.0	12.9	38.7	

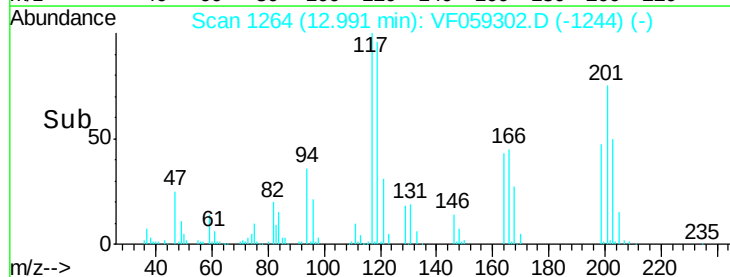
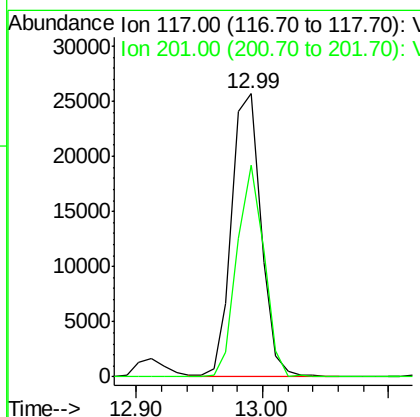
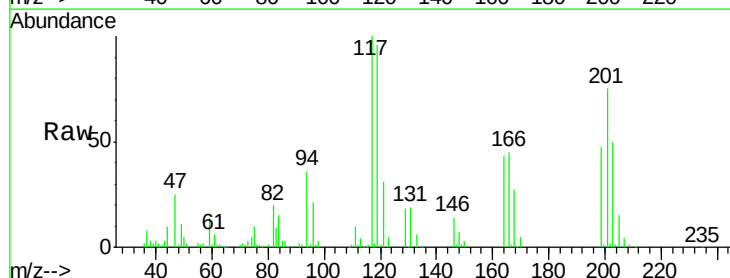
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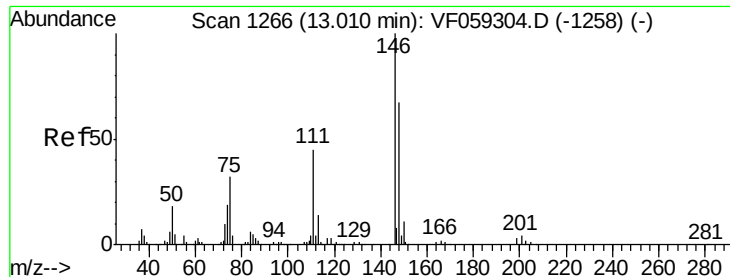
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#90
Hexachloroethane
Concen: 9.36 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41653		
201	76.9	39.5	118.5	





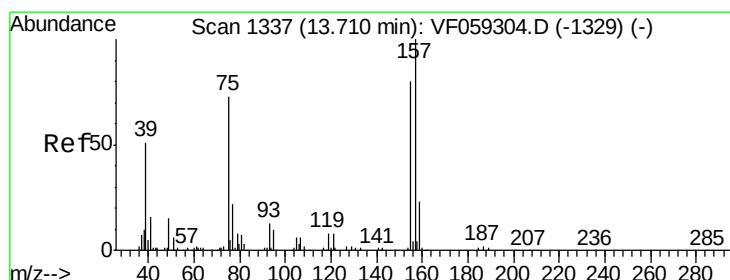
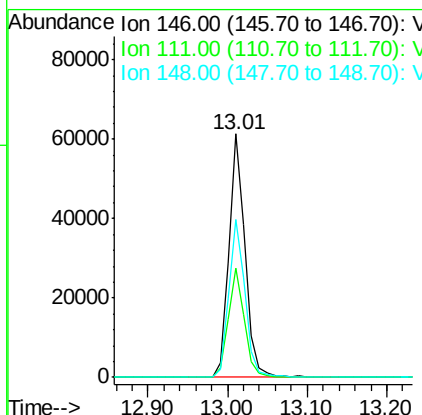
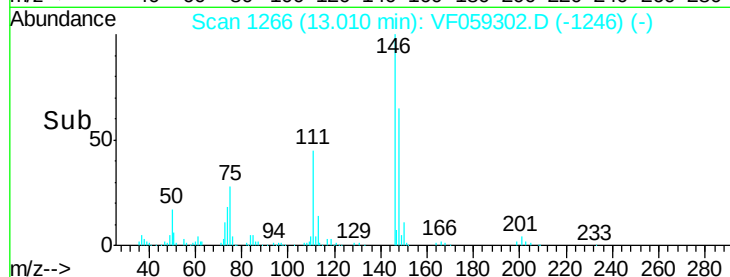
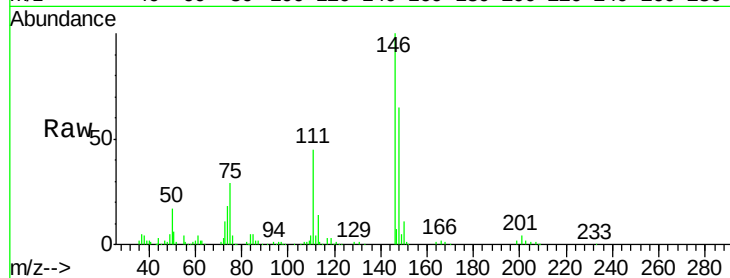
#91
 1,2-Dichlorobenzene
 Concen: 9.55 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.7	68.0
148	64.6	33.5	100.4

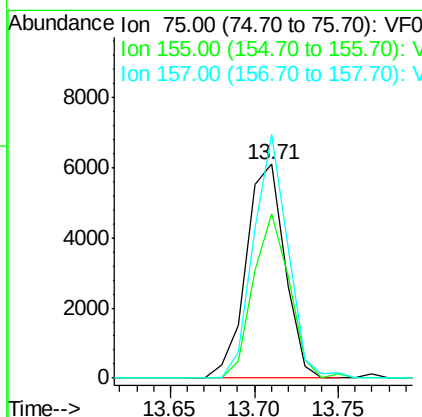
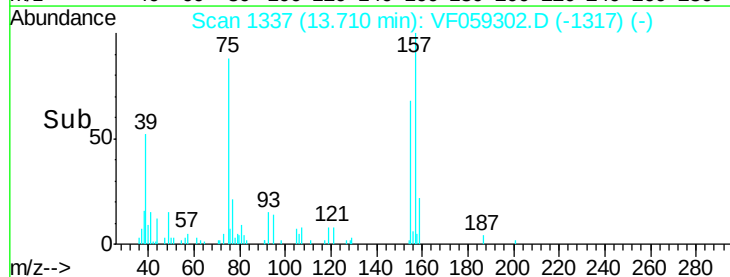
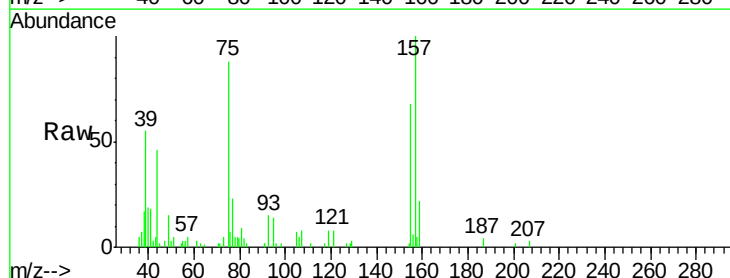
Manual Integrations
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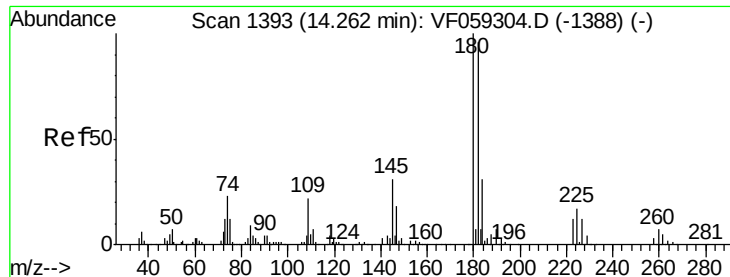
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.01 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059302.D
 Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	54.6	163.8
157	113.7	68.7	205.9





#93

1,2,4-Trichlorobenzene

Concen: 9.88 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Instrument :

MSVOA_F

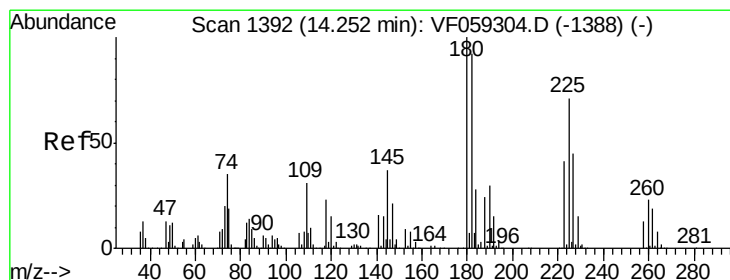
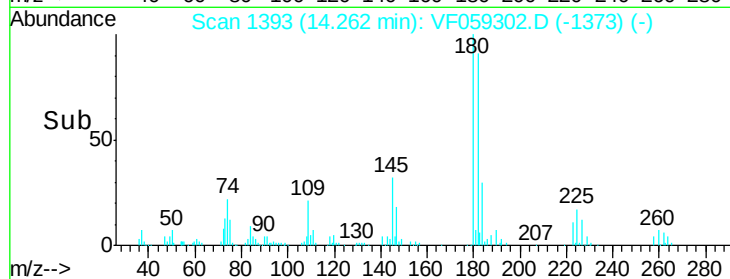
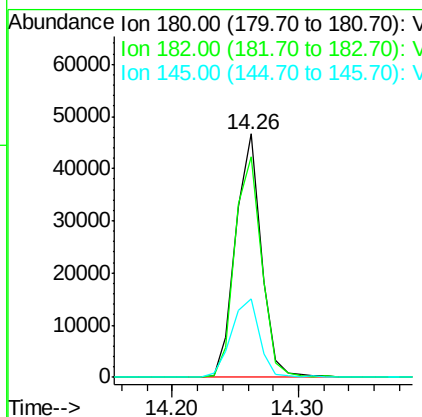
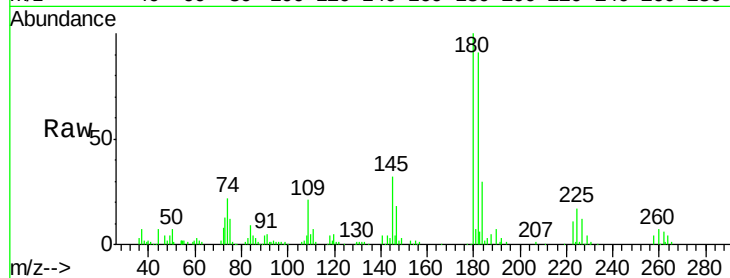
ClientSampleId :

VSTDIC010

Tot Ion:	180	Resp:	65643
Ion Ratio	Lower	Upper	
180	100		
182	90.6	48.1	144.3
145	32.0	15.3	45.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 9.51 ug/l

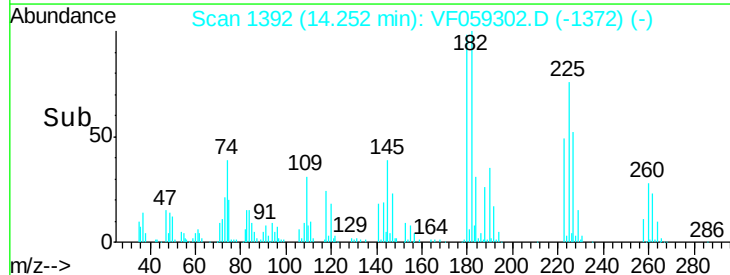
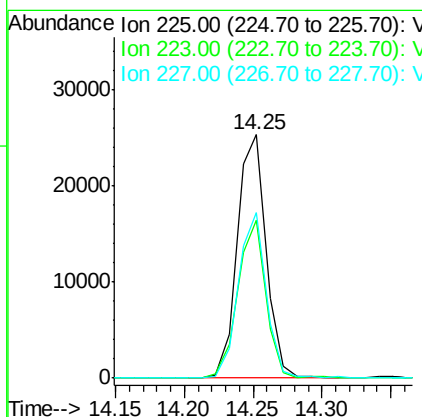
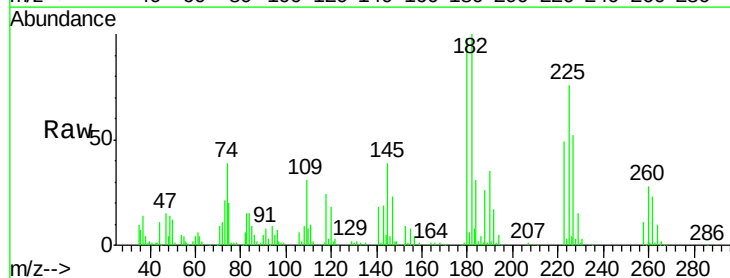
RT: 14.25 min Scan# 1392

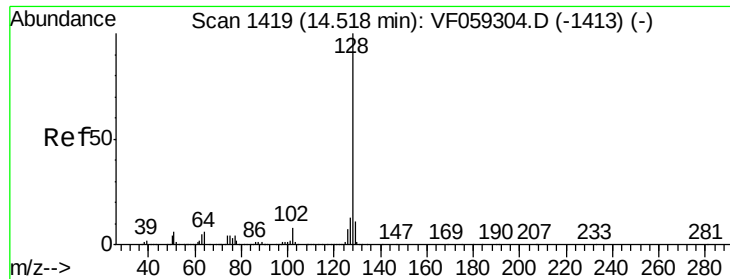
Delta R.T. 0.00 min

Lab File: VF059302.D

Acq: 25 Jun 2018 15:18

Tgt Ion:	225	Resp:	36999
Ion Ratio	Lower	Upper	
225	100		
223	64.8	28.9	86.8
227	67.9	31.3	93.8





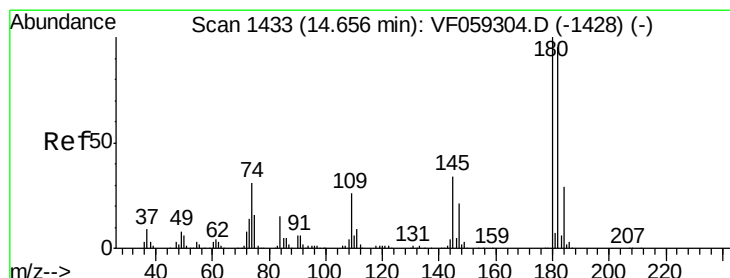
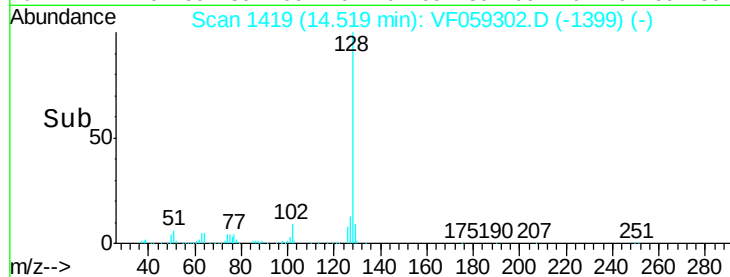
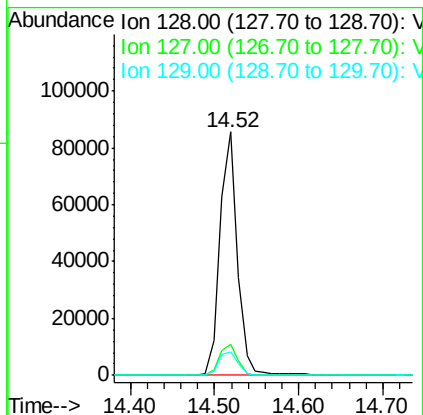
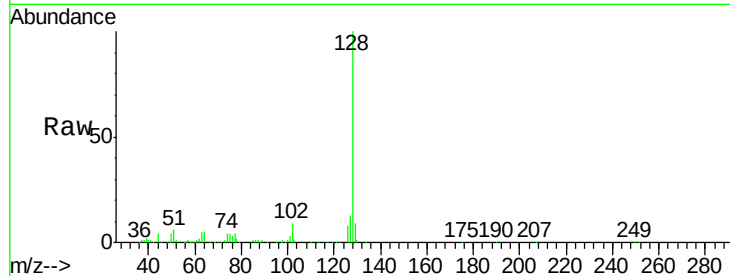
#95
Naphthalene
Concen: 9.03 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	123656		
127	12.8	10.1	15.1	
129	9.5	8.8	13.2	

Manual Integrations
APPROVED

apatel
6/26/2018 10:03:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 9.61 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059302.D
Acq: 25 Jun 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	60052		
182	93.9	47.5	142.5	
145	28.1	17.0	50.9	

