

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059312.D
 Acq On : 26 Jun 2018 12:59
 Operator : VA/AP
 Sample : VF0626SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

Manual Integrations
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 6/27/2018 2:01:34 PM

Quant Time: Jun 27 02:51:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	288814	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	442653	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	454389	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	278561	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	167543	44.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.80%	
35) Dibromofluoromethane	4.26	113	152458	47.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.28%	
50) Toluene-d8	7.69	98	382986	47.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.49	95	216211	47.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	55692	21.11	ug/l	95
3) Chloromethane	1.08	50	40093	22.62	ug/l	99
4) Vinyl Chloride	1.14	62	38001	21.78	ug/l	93
5) Bromomethane	1.33	94	26319	24.58	ug/l	92
6) Chloroethane	1.42	64	21174	24.09	ug/l	97
7) Trichlorofluoromethane	1.48	101	77998m	22.60	ug/l	
8) Diethyl Ether	1.69	74	16521	18.67	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	45642	22.66	ug/l	92
10) Methyl Iodide	1.95	142	78684	21.42	ug/l	99
11) Tert butyl alcohol	2.67	59	17847	71.84	ug/l #	92
12) 1,1-Dichloroethene	1.84	96	36422	21.39	ug/l	98
13) Acrolein	2.08	56	16097	126.33	ug/l	93
14) Allyl chloride	2.18	41	70571	22.08	ug/l #	97
15) Acrylonitrile	3.05	53	40314	92.16	ug/l	97
16) Acetone	2.32	43	95948	96.70	ug/l	96
17) Carbon Disulfide	1.86	76	84570	21.11	ug/l	99
18) Methyl Acetate	2.43	43	31913	18.21	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	121476	19.13	ug/l #	90
20) Methylene Chloride	2.26	84	63527	26.95	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	38238	21.05	ug/l	85
22) Diisopropyl ether	2.90	45	151556	21.41	ug/l	99
23) Vinyl Acetate	3.31	43	471460	104.59	ug/l	99
24) 1,1-Dichloroethane	2.98	63	92096	20.99	ug/l	99
25) 2-Butanone	4.48	43	124945	109.14	ug/l	93
26) 2,2-Dichloropropane	3.74	77	69070	22.82	ug/l	96
27) cis-1,2-Dichloroethene	3.61	96	57000	20.67	ug/l	85
28) Bromochloromethane	3.86	49	45338	24.76	ug/l	96
29) Tetrahydrofuran	4.23	42	50915	100.80	ug/l	96
30) Chloroform	4.01	83	135918	21.39	ug/l	94
31) Cyclohexane	3.83	56	62257	21.66	ug/l	87
32) 1,1,1-Trichloroethane	4.25	97	97796	21.04	ug/l	93
36) 1,1-Dichloropropene	4.43	75	83916	21.70	ug/l	95
37) Ethyl Acetate	4.26	43	49927	19.27	ug/l #	75
38) Carbon Tetrachloride	4.15	117	104206	21.35	ug/l	92

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.60	83	75920	22.16	ug/l #	94
40) Benzene	4.78	78	179506	20.94	ug/l	97
41) Methacrylonitrile	4.90	41	24935	18.90	ug/l #	91
42) 1,2-Dichloroethane	5.09	62	102711	20.50	ug/l	97
43) Isopropyl Acetate	7.08	43	62906	19.53	ug/l #	82
44) Trichloroethene	5.65	130	62495	21.25	ug/l	99
45) 1,2-Dichloropropane	6.37	63	51120	20.87	ug/l	96
46) Dibromomethane	6.23	93	42912	20.18	ug/l	97
47) Bromodichloromethane	6.52	83	105336	20.47	ug/l	99
48) Methyl methacrylate	6.85	41	40717	18.86	ug/l	91
49) 1,4-Dioxane	6.84	88	4273	343.03	ug/l #	89
51) 4-Methyl-2-Pentanone	8.38	43	239188	100.24	ug/l	99
52) Toluene	7.75	92	129317	20.16	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	97431	20.77	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	101713	19.96	ug/l	99
55) 1,1,2-Trichloroethane	8.61	97	50212	20.16	ug/l	93
56) Ethyl methacrylate	8.74	69	57030	18.48	ug/l	94
57) 1,3-Dichloropropane	8.98	76	86764	20.31	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.75	63	24870	107.46	ug/l	100
59) 2-Hexanone	9.61	43	211521	108.42	ug/l	98
60) Dibromochloromethane	8.84	129	80261	20.87	ug/l	87
61) 1,2-Dibromoethane	9.11	107	60907	20.16	ug/l	94
64) Tetrachloroethene	8.29	164	67925	23.05	ug/l	98
65) Chlorobenzene	9.91	112	170190	20.21	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	74190	20.37	ug/l	97
67) Ethyl Benzene	10.01	91	293271	20.53	ug/l	99
68) m/p-Xylenes	10.25	106	220004	43.27	ug/l	97
69) o-Xylene	10.81	106	116505	20.49	ug/l	98
70) Styrene	10.88	104	182073	21.02	ug/l	97
71) Bromoform	10.87	173	49611	19.88	ug/l #	91
73) Isopropylbenzene	11.20	105	351797	21.68	ug/l	98
74) N-amyl acetate	11.44	43	115672	19.64	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	83224	20.31	ug/l	96
76) 1,2,3-Trichloropropane	11.86	75	61022	19.74	ug/l	95
77) Bromobenzene	11.58	156	88993	19.77	ug/l	86
78) n-propylbenzene	11.67	91	410176	21.05	ug/l	95
79) 2-Chlorotoluene	11.80	91	248104	20.84	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	305606	21.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	36189	19.67	ug/l	93
82) 4-Chlorotoluene	11.97	91	270041	21.17	ug/l	96
83) tert-Butylbenzene	12.20	119	309290	21.75	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	307006	20.51	ug/l	98
85) sec-Butylbenzene	12.37	105	406549	21.57	ug/l	97
86) p-Isopropyltoluene	12.53	119	347572	21.98	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	174844	20.84	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	163380	20.32	ug/l	96
89) n-Butylbenzene	12.90	91	341492	21.27	ug/l	97
90) Hexachloroethane	12.98	117	84718	21.49	ug/l	77
91) 1,2-Dichlorobenzene	13.01	146	168907	20.66	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	15425	16.98	ug/l	77

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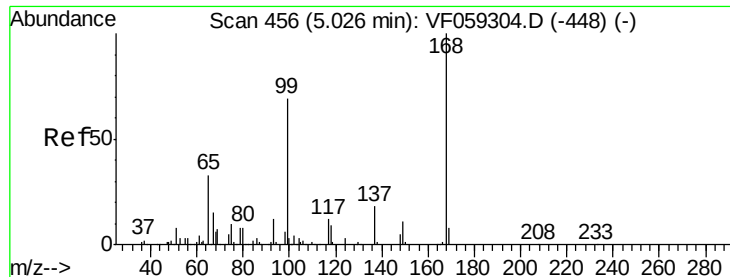
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	127995	21.18	ug/l	95
94) Hexachlorobutadiene	14.24	225	72185	21.38	ug/l	92
95) Naphthalene	14.51	128	249507	19.73	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	119473	20.87	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion:168 Resp: 288814

Ion Ratio Lower Upper

168 100

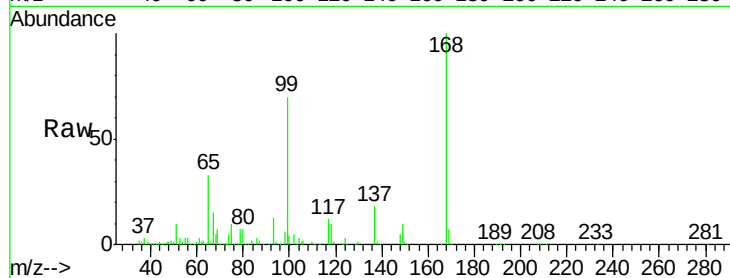
99 70.4 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

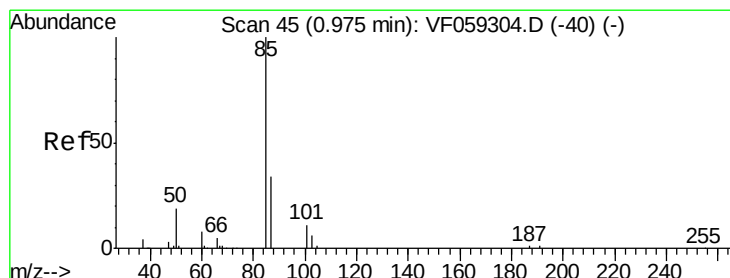
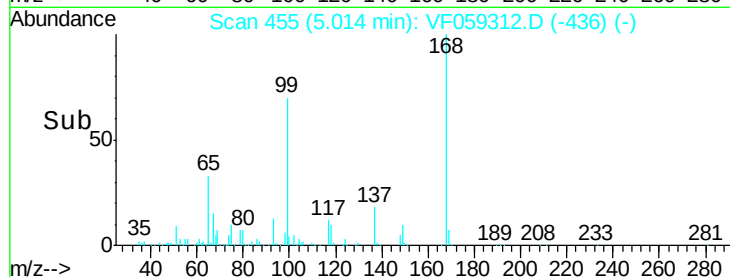
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.11 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059312.D

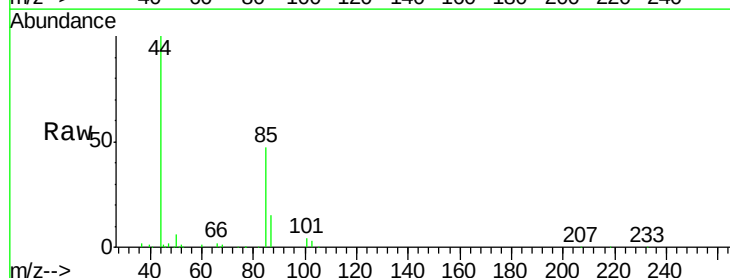
Acq: 26 Jun 2018 12:59

Tgt Ion: 85 Resp: 55692

Ion Ratio Lower Upper

85 100

87 31.5 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

20000

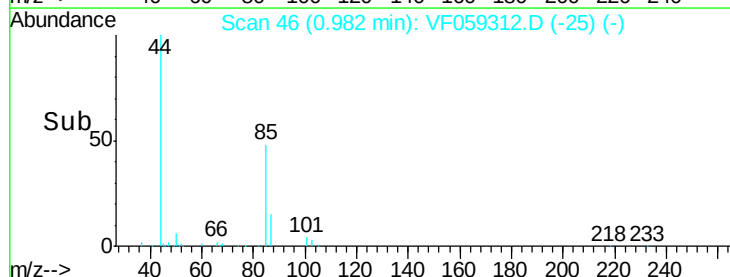
15000

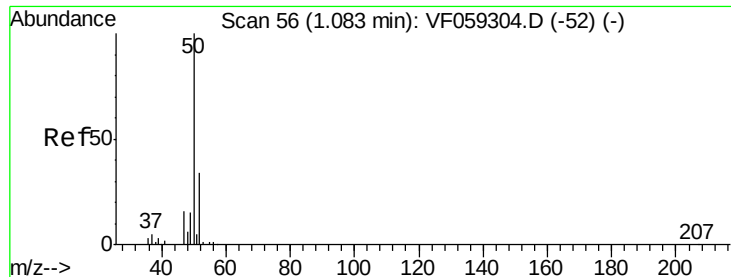
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.62 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 50 Resp: 40093

Ion Ratio Lower Upper

50 100

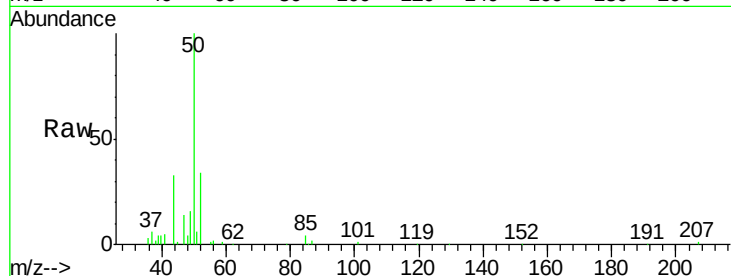
52 34.2 26.7 40.1

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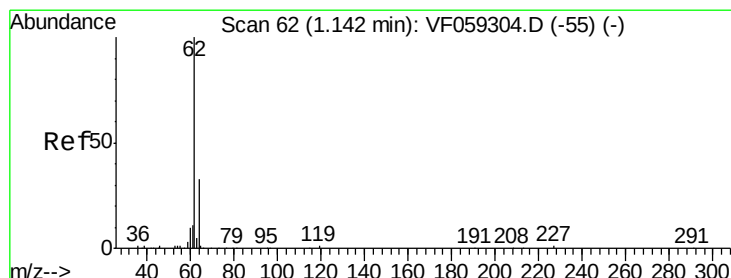
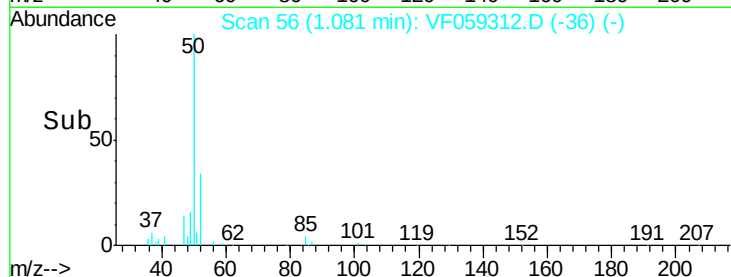
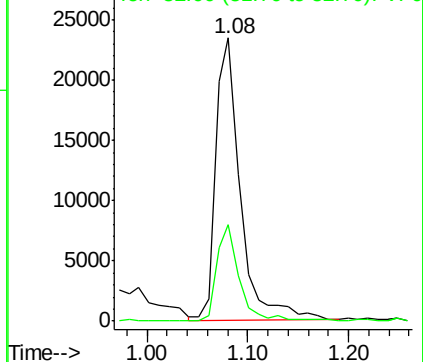
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.78 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059312.D

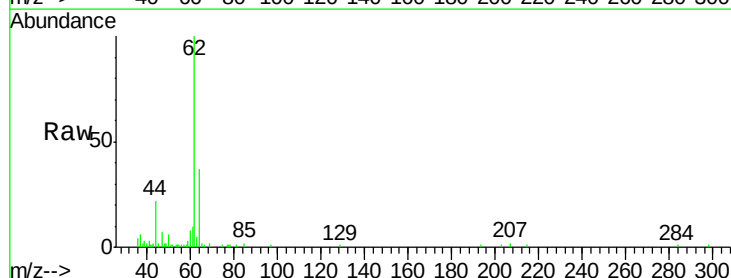
Acq: 26 Jun 2018 12:59

Tgt Ion: 62 Resp: 38001

Ion Ratio Lower Upper

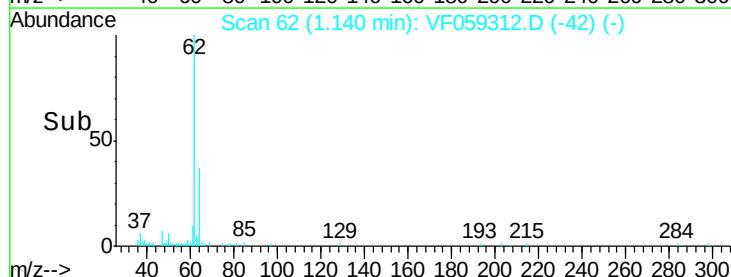
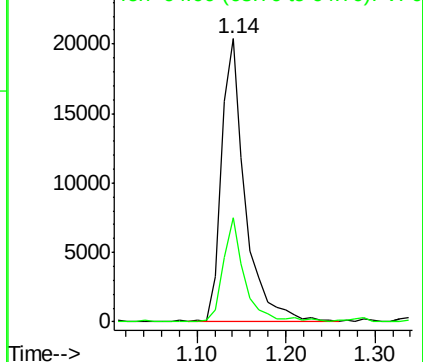
62 100

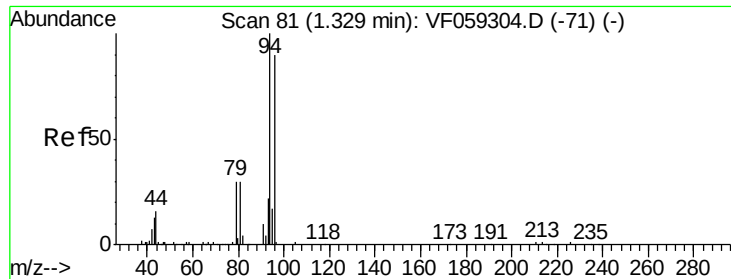
64 36.7 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 24.58 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 94 Resp: 26319

Ion Ratio Lower Upper

94 100

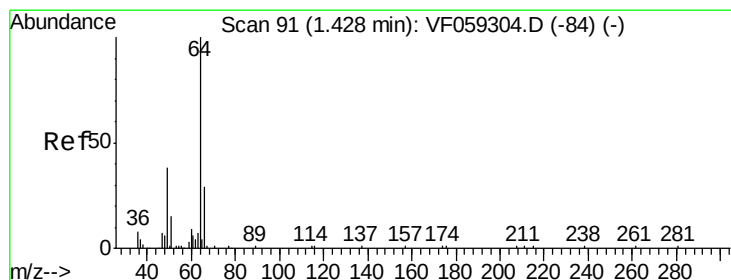
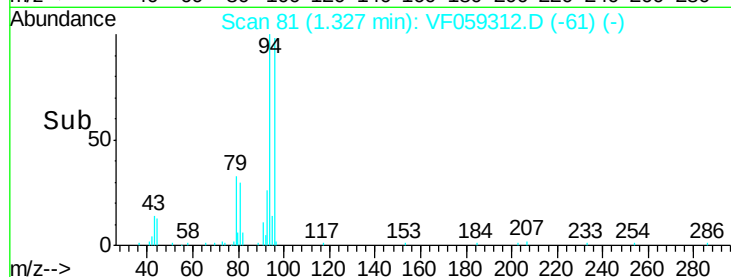
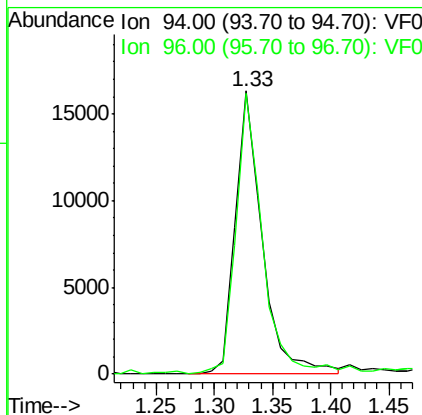
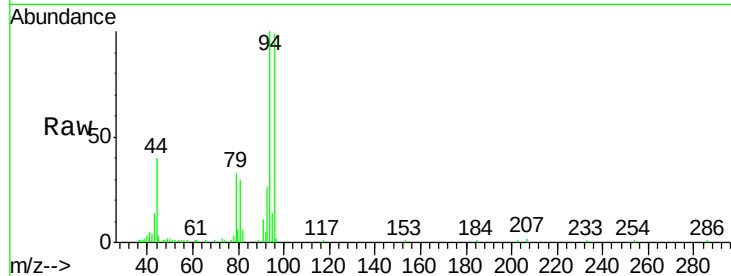
96 99.1 73.4 110.0

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#6

Chloroethane

Concen: 24.09 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059312.D

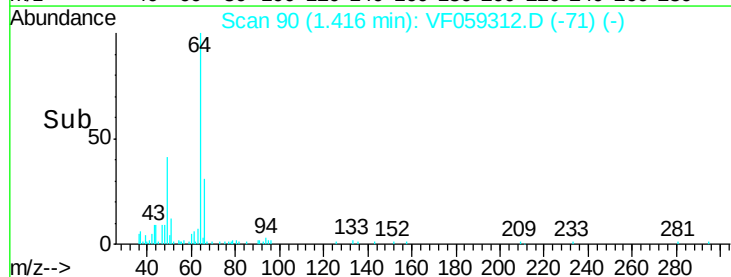
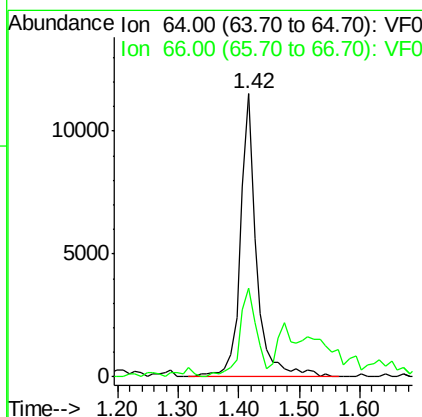
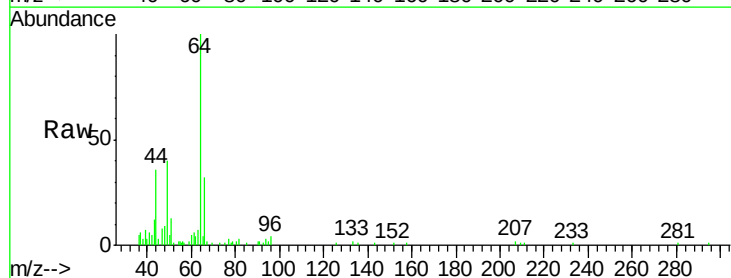
Acq: 26 Jun 2018 12:59

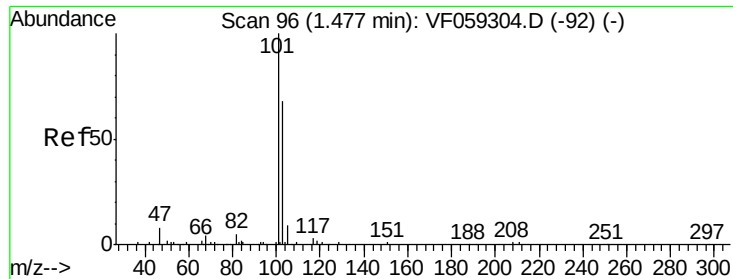
Tgt Ion: 64 Resp: 21174

Ion Ratio Lower Upper

64 100

66 31.5 23.9 35.9





#7

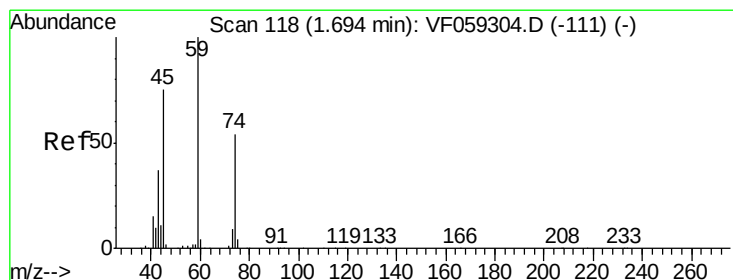
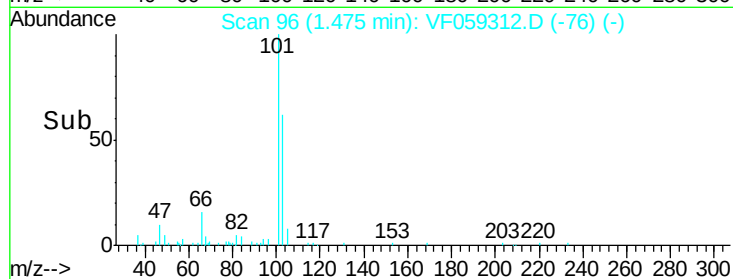
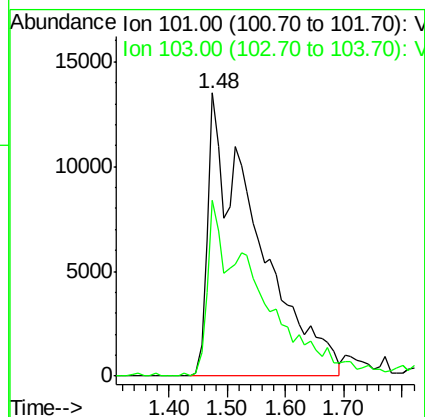
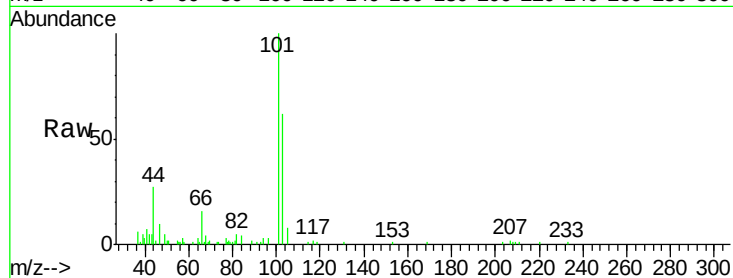
Trichlorofluoromethane
Concen: 22.60 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

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ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	54.2	81.2

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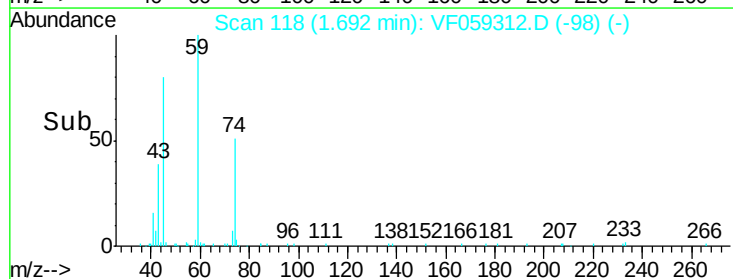
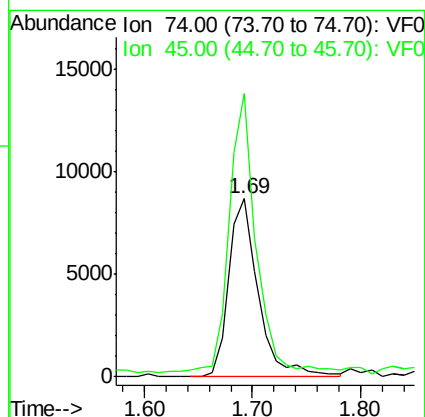
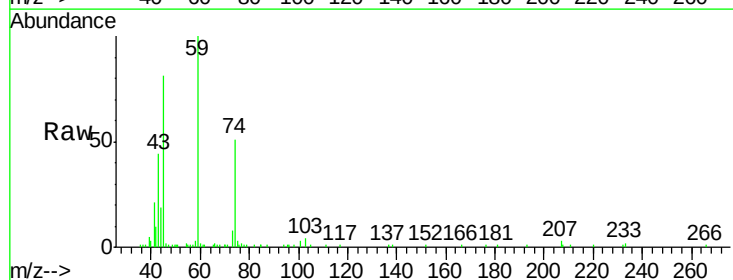
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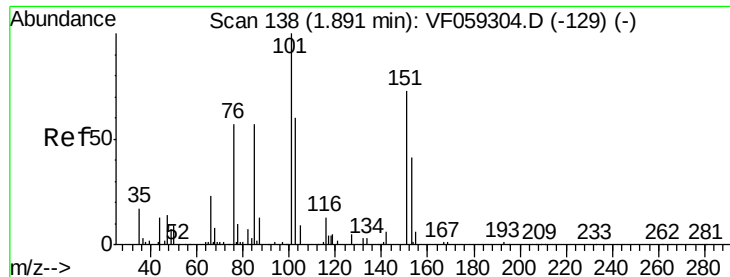


#8

Diethyl Ether
Concen: 18.67 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	158.9	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.66 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

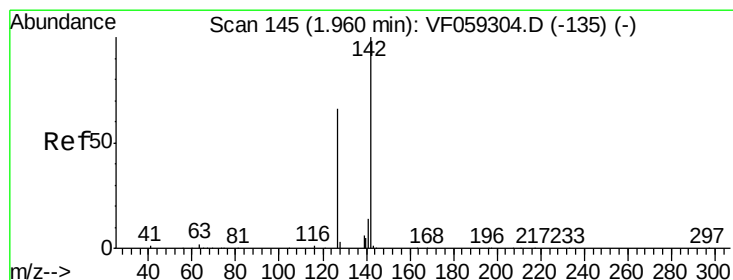
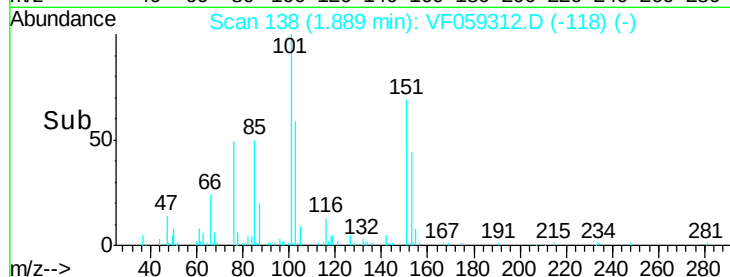
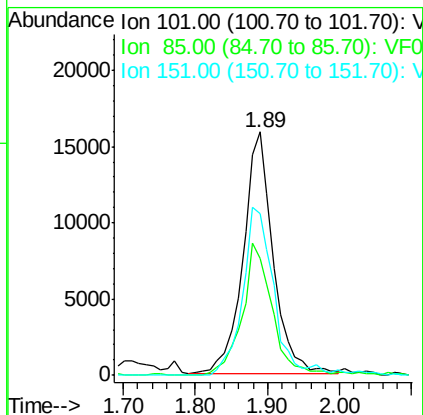
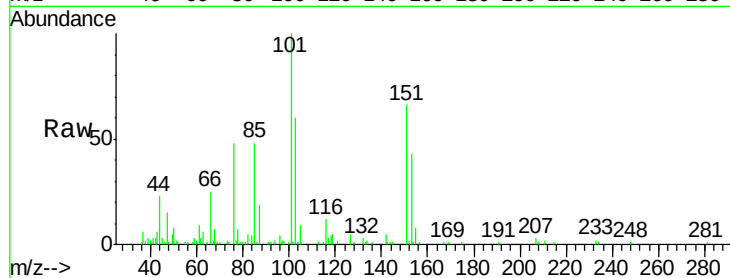
ClientSampleId :

VF0626SBS01

Tot Ion:	101	Resp:	45642
Ion Ratio	Lower	Upper	
101	100		
85	48.0	44.5	66.7
151	66.3	56.8	85.2

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#10

Methyl Iodide

Concen: 21.42 ug/l

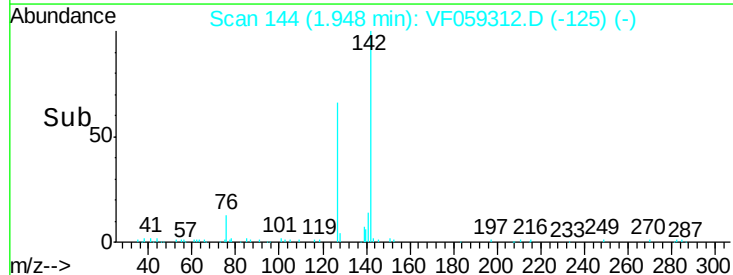
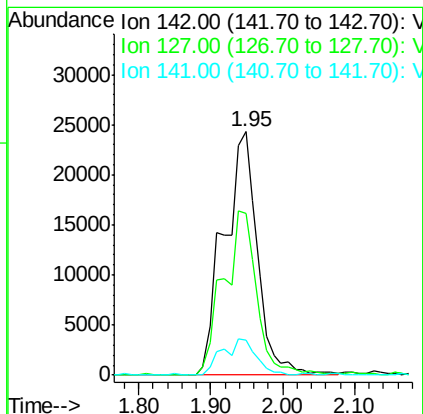
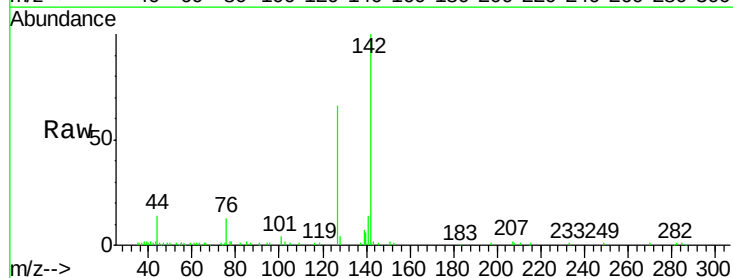
RT: 1.95 min Scan# 144

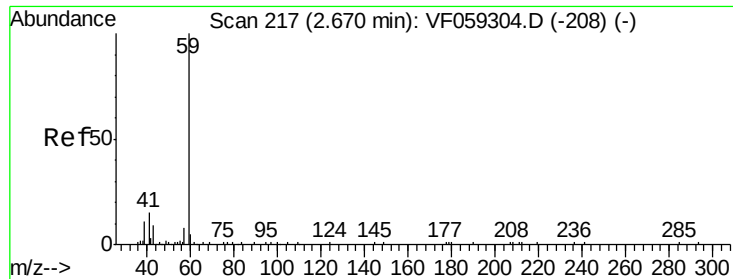
Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion:	142	Resp:	78684
Ion Ratio	Lower	Upper	
142	100		
127	66.4	52.5	78.7
141	14.2	11.5	17.3





#11

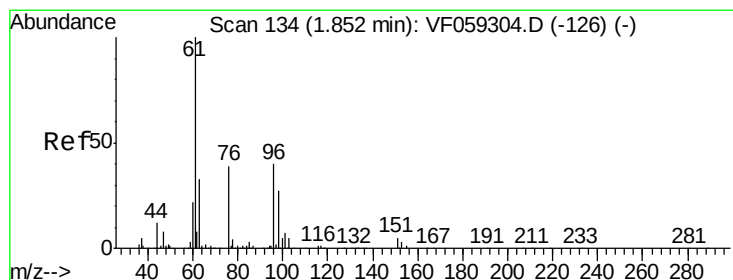
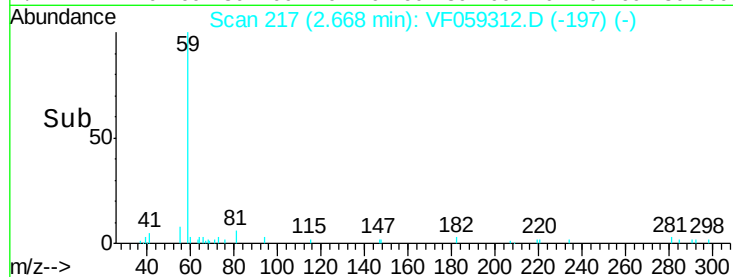
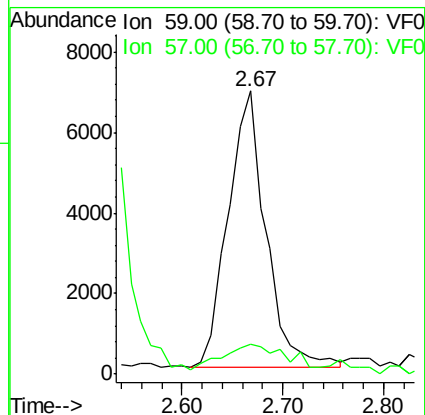
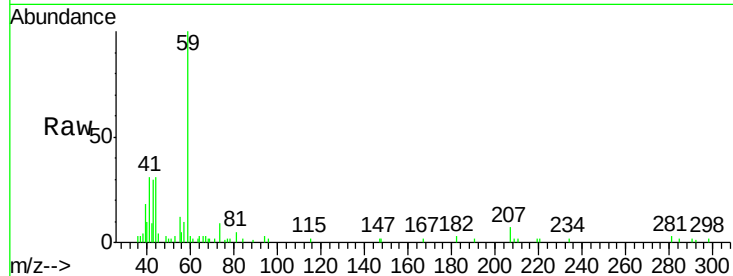
Tert butyl alcohol
Concen: 71.84 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	11.0	16.4#

Manual Integrations
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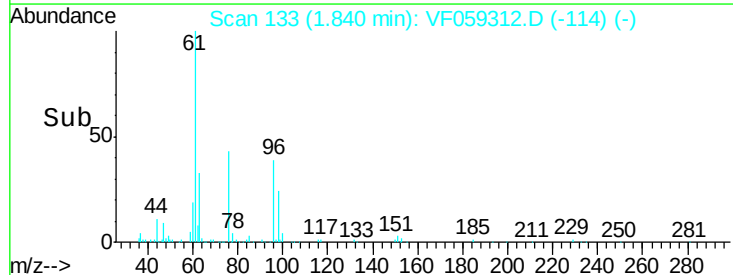
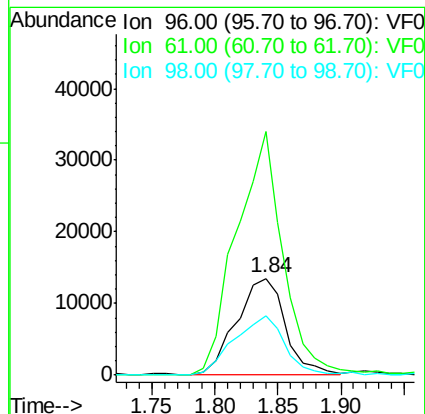
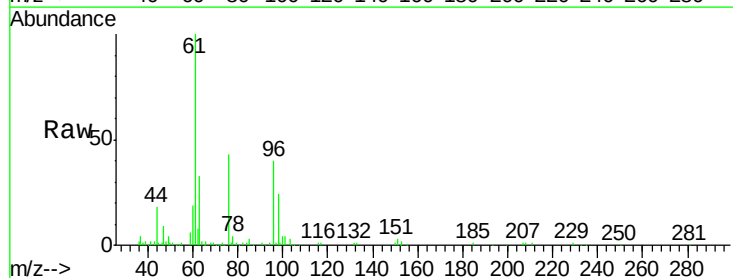
apatel
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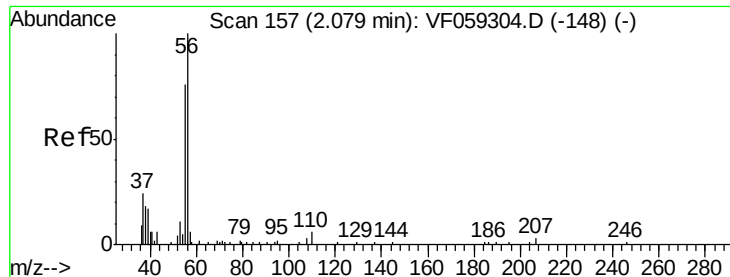


#12

1,1-Dichloroethene
Concen: 21.39 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	252.6	201.1	301.7
98	61.5	53.9	80.9





#13

Acrolein

Concen: 126.33 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 56 Resp: 16097

Ion Ratio Lower Upper

56 100

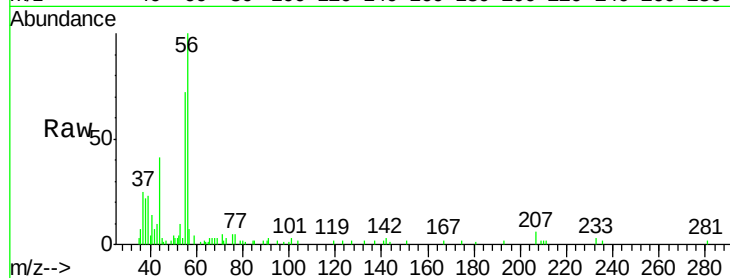
55 72.0 62.4 93.6

Manual Integrations

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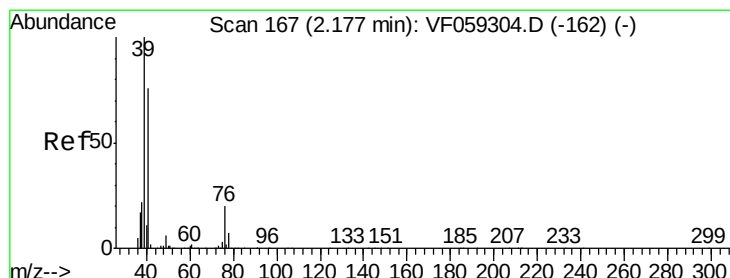
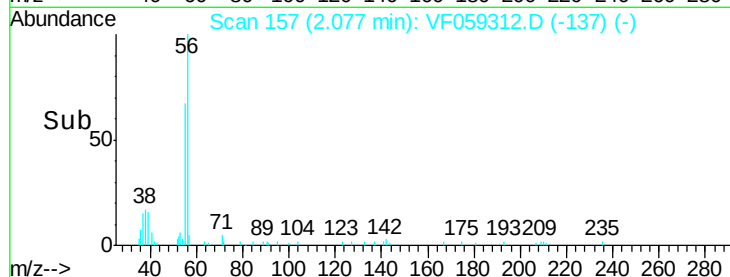
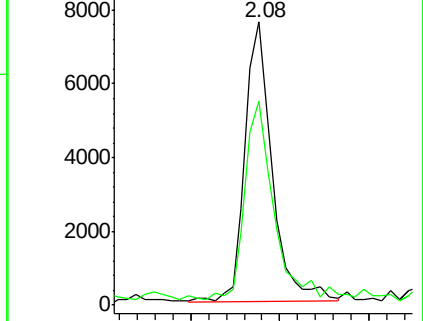
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 22.08 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

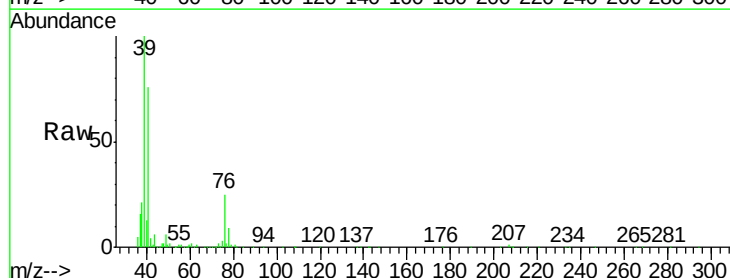
Tgt Ion: 41 Resp: 70571

Ion Ratio Lower Upper

41 100

39 131.1 105.6 158.4

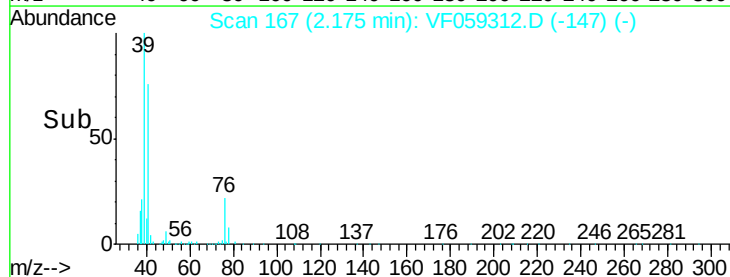
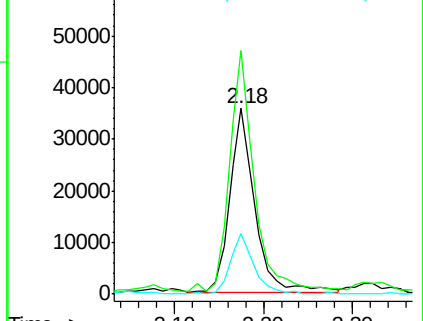
76 32.7 21.6 32.4#

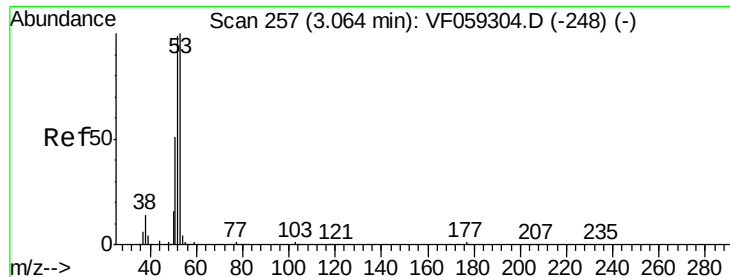


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 92.16 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

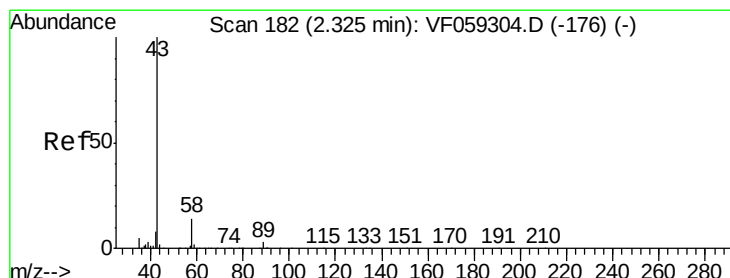
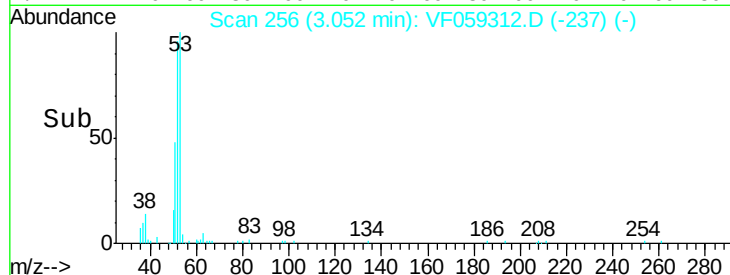
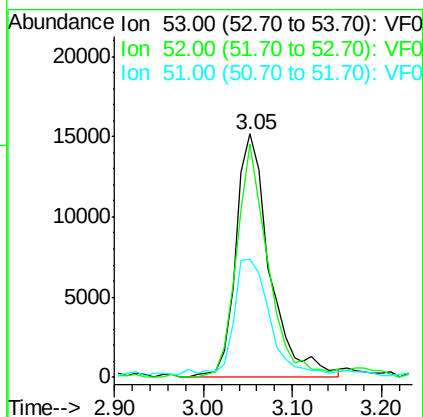
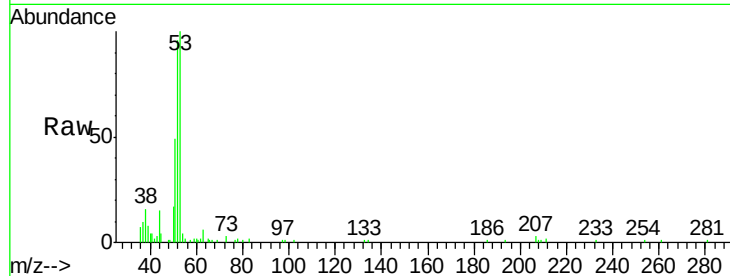
ClientSampleId :

VF0626SBS01

Tot Ion:	53	Resp:	40314
Ion	Ratio	Lower	Upper
53	100		
52	96.0	79.2	118.8
51	48.7	40.9	61.3

Manual Integrations
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#16

Acetone

Concen: 96.70 ug/l

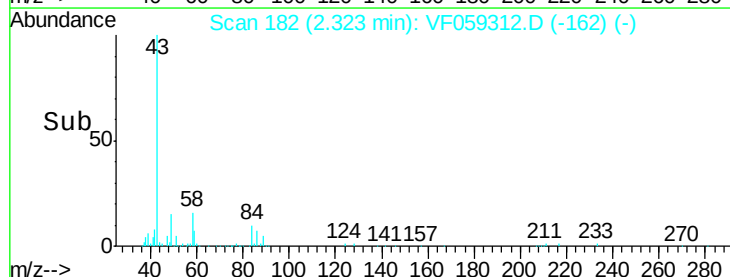
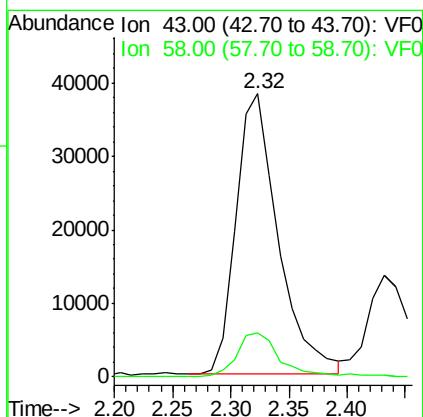
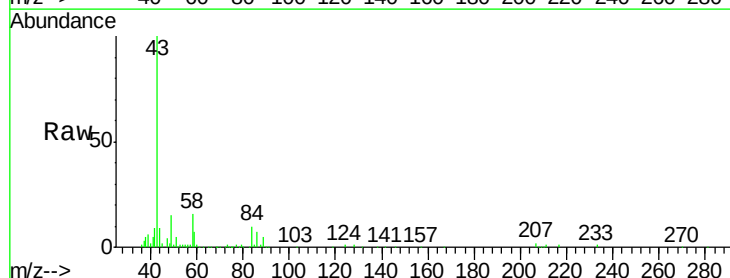
RT: 2.32 min Scan# 182

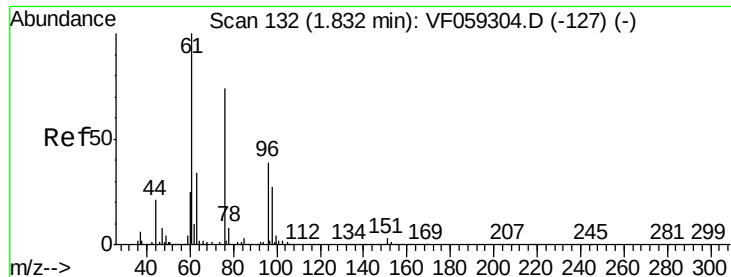
Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion:	43	Resp:	95948
Ion	Ratio	Lower	Upper
43	100		
58	15.8	11.4	17.0





#17

Carbon Disulfide

Concen: 21.11 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 76 Resp: 84570

Ion Ratio Lower Upper

76 100

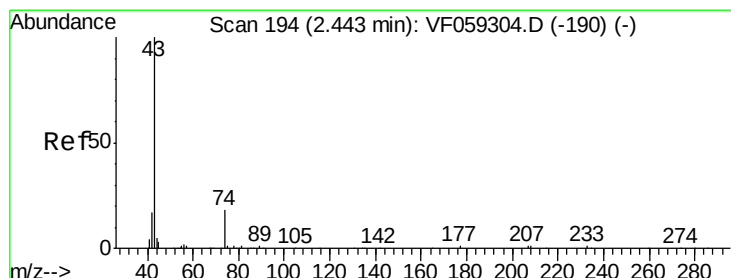
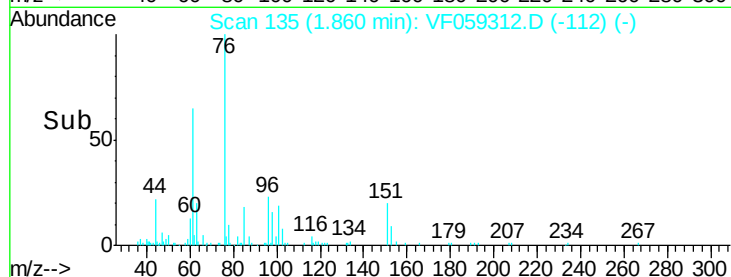
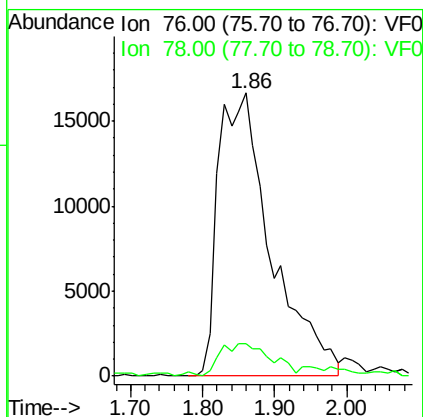
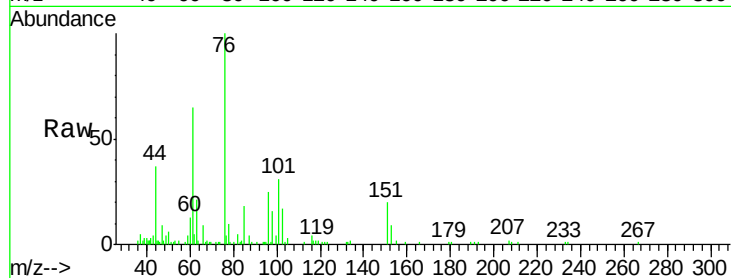
78 11.5 8.9 13.3

Manual Integrations

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#18

Methyl Acetate

Concen: 18.21 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059312.D

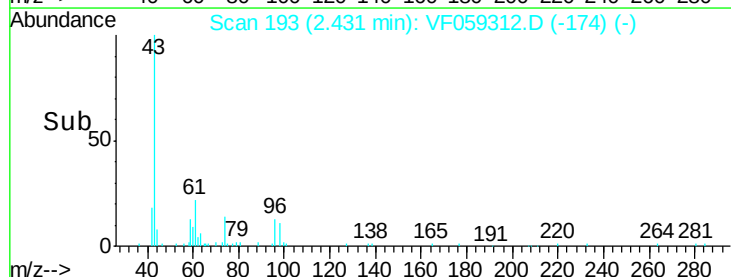
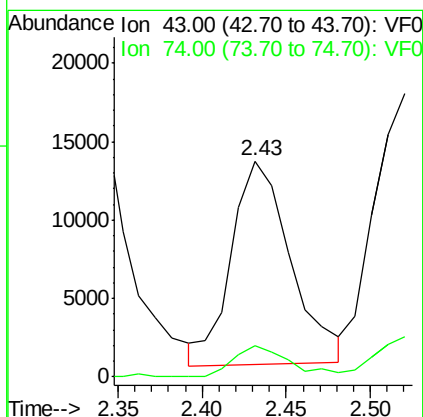
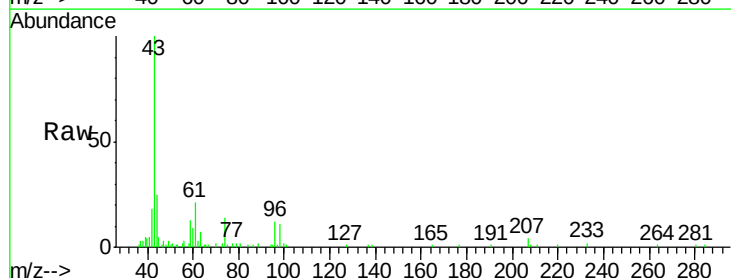
Acq: 26 Jun 2018 12:59

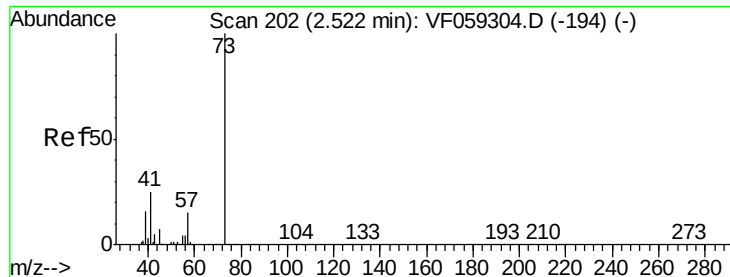
Tgt Ion: 43 Resp: 31913

Ion Ratio Lower Upper

43 100

74 14.3 13.3 19.9





#19

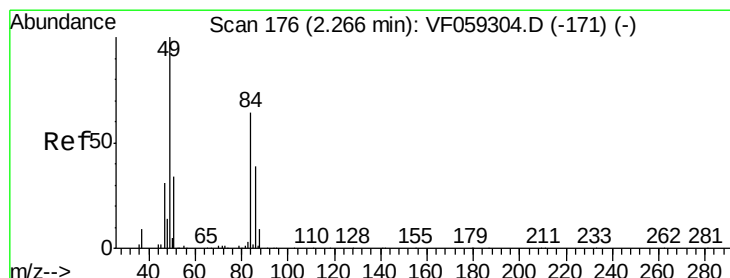
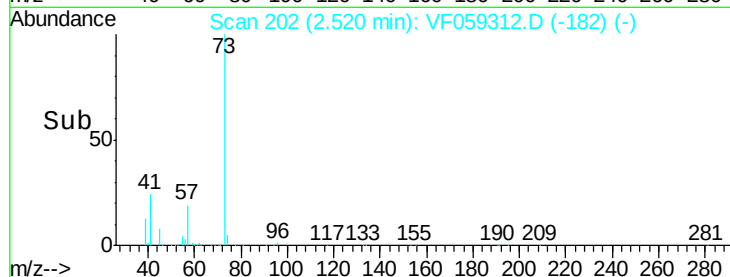
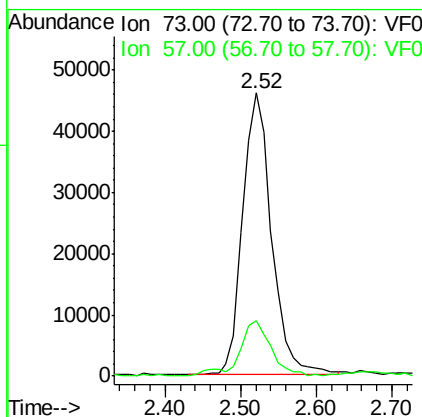
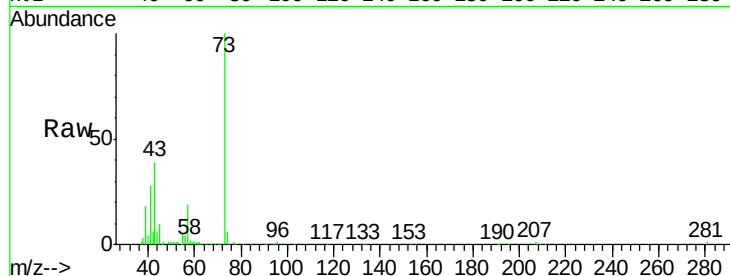
Methyl tert-butyl Ether
Concen: 19.13 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleID :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	12.3	18.5#

Manual Integrations
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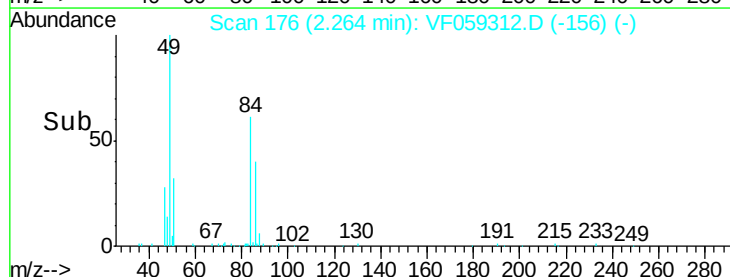
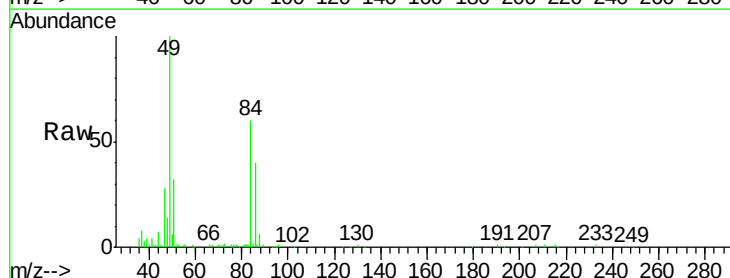
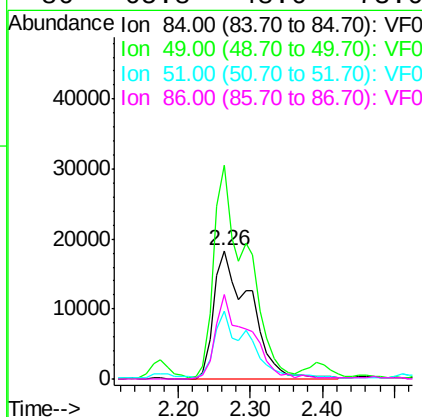
apatel
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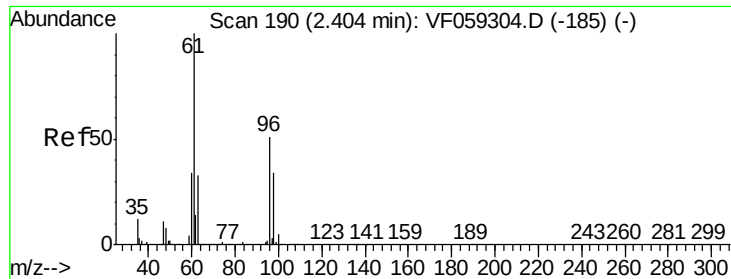


#20

Methylene Chloride
Concen: 26.95 ug/l
RT: 2.26 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	166.0	126.5	189.7
51	53.0	42.9	64.3
86	65.8	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 21.05 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

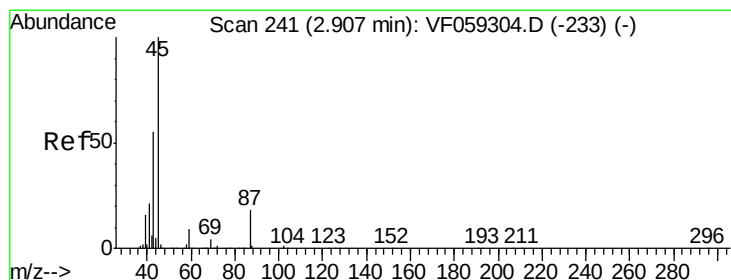
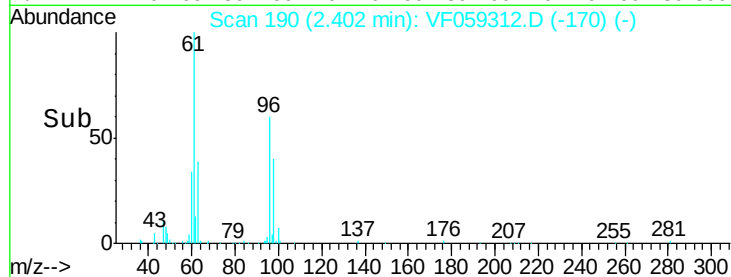
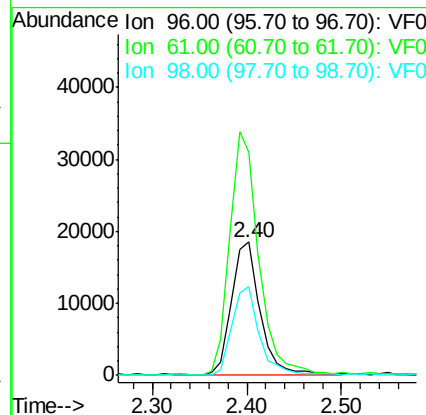
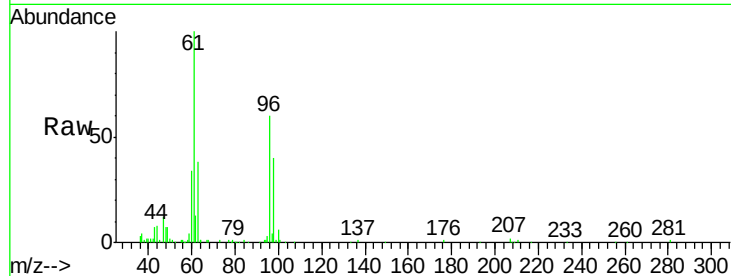
ClientSampleId :

VF0626SBS01

Tot Ion:	96	Resp:	38238
Ion	Ratio	Lower	Upper
96	100		
61	167.4	157.4	236.2
98	66.5	53.7	80.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.41 ug/l

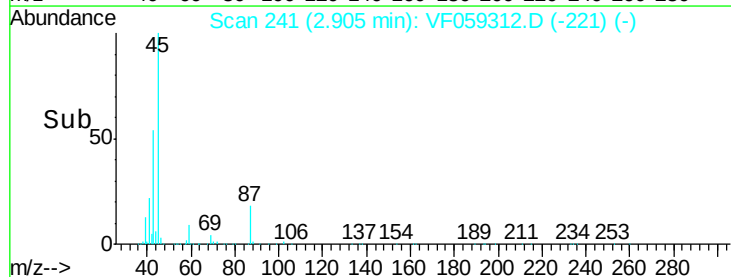
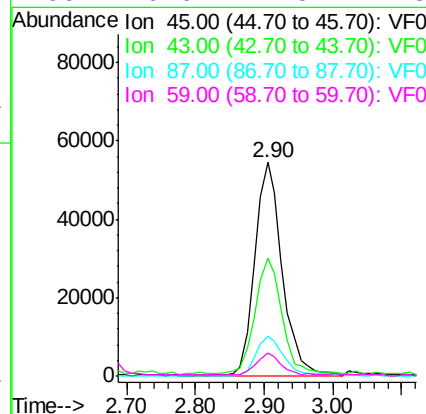
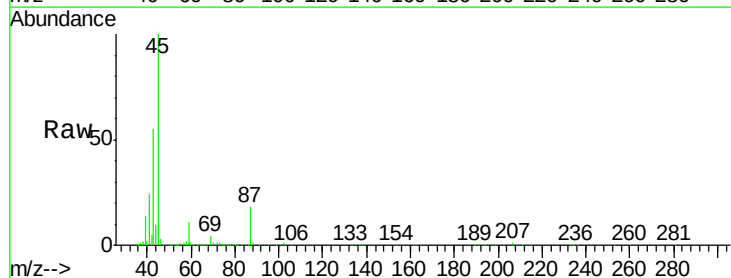
RT: 2.90 min Scan# 241

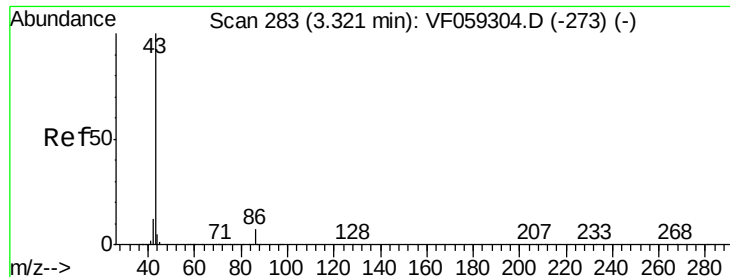
Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion:	45	Resp:	151556
Ion	Ratio	Lower	Upper
45	100		
43	55.4	44.6	66.8
87	18.3	14.3	21.5
59	10.6	7.5	11.3





#23

Vinyl Acetate

Concen: 104.59 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 43 Resp: 471460

Ion Ratio Lower Upper

43 100

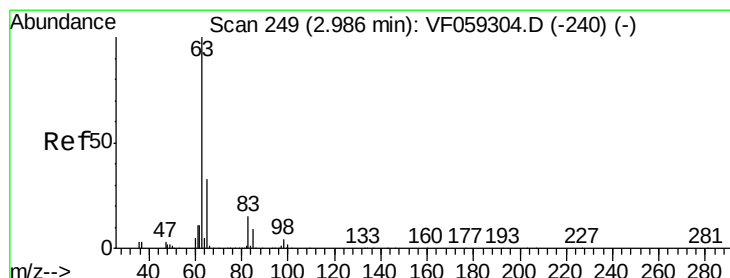
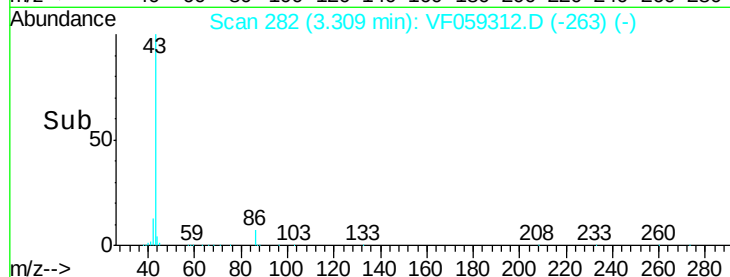
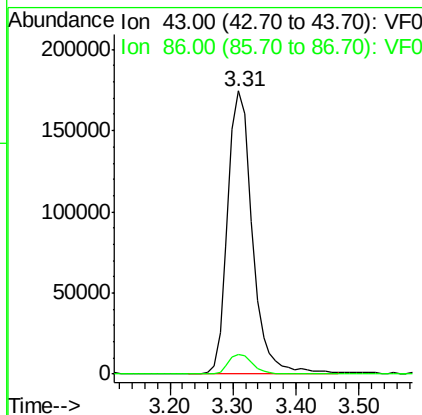
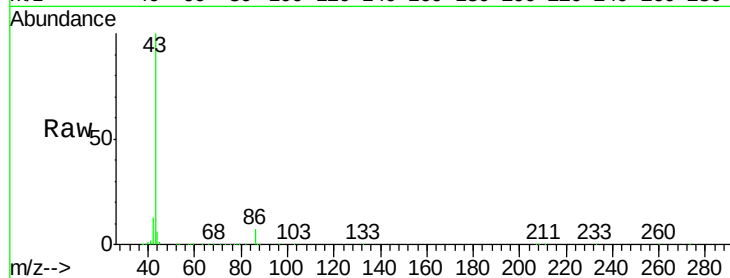
86 6.8 5.8 8.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.99 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

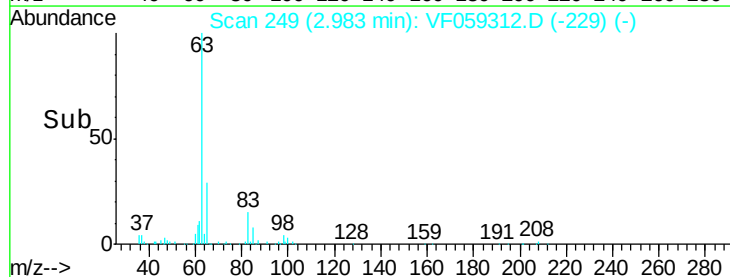
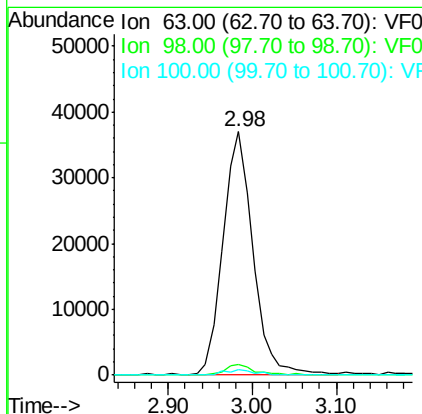
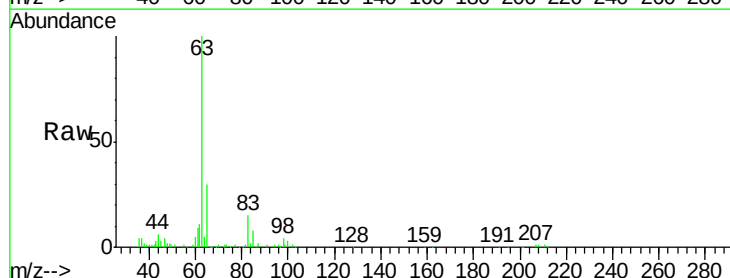
Tgt Ion: 63 Resp: 92096

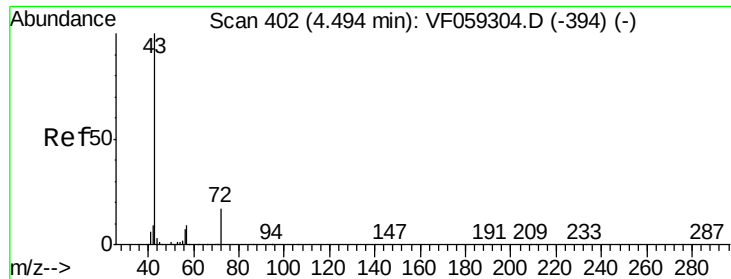
Ion Ratio Lower Upper

63 100

98 4.3 2.0 6.0

100 2.5 1.3 3.9





#25

2-Butanone

Concen: 109.14 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 43 Resp: 124945

Ion Ratio Lower Upper

43 100

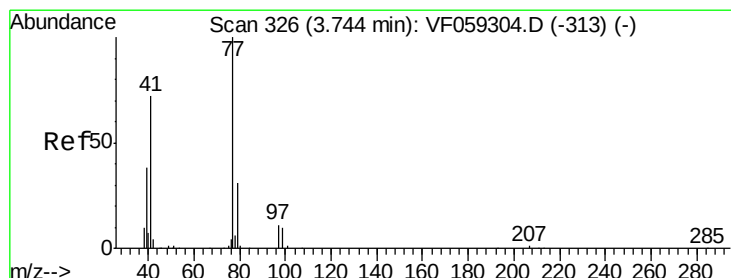
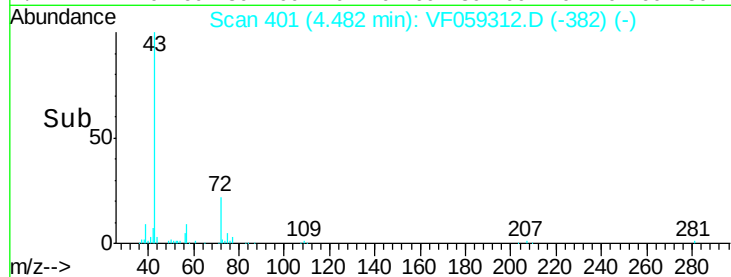
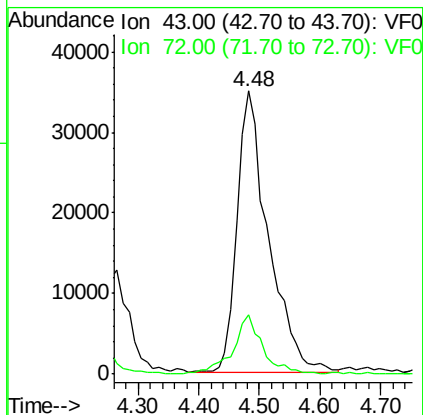
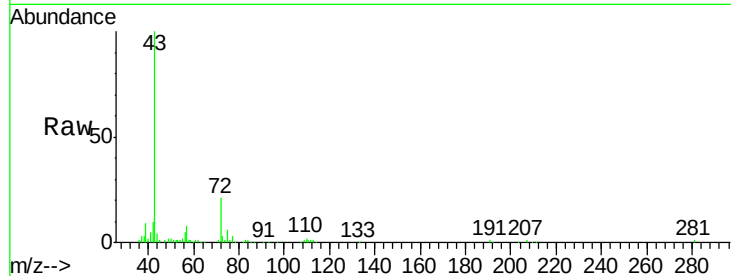
72 21.0 14.4 21.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.82 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059312.D

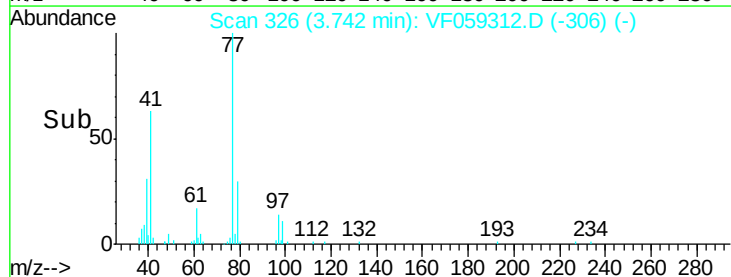
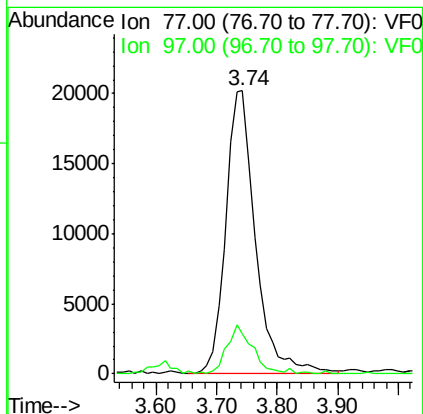
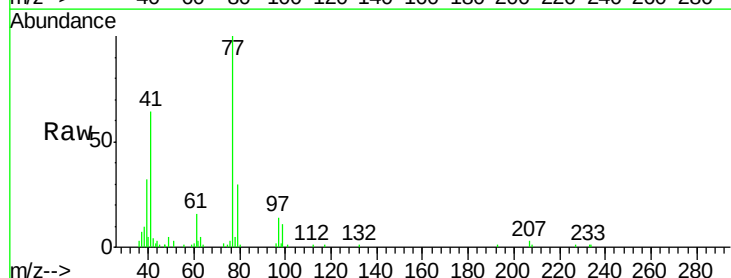
Acq: 26 Jun 2018 12:59

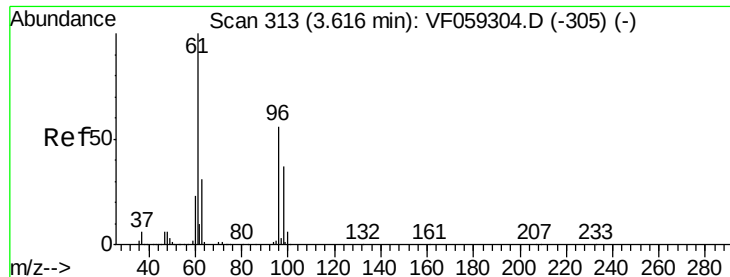
Tgt Ion: 77 Resp: 69070

Ion Ratio Lower Upper

77 100

97 14.0 8.0 23.8





#27

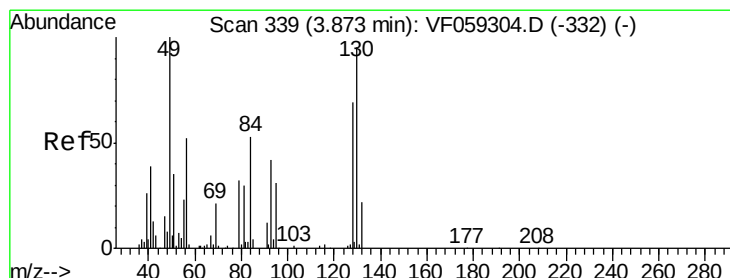
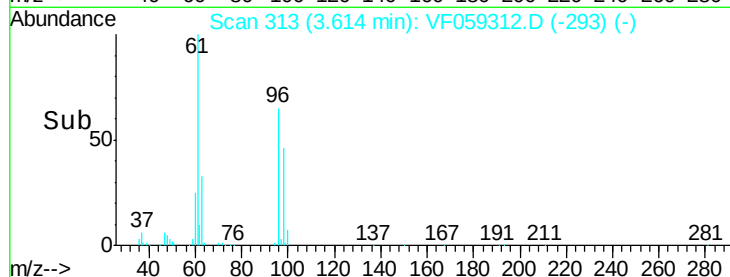
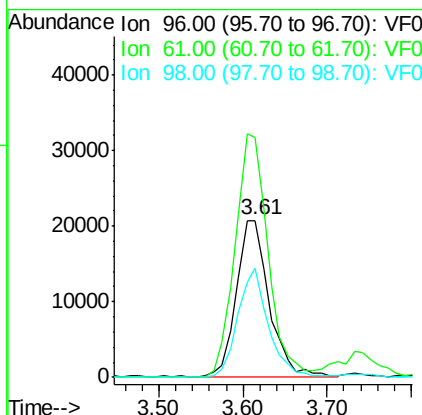
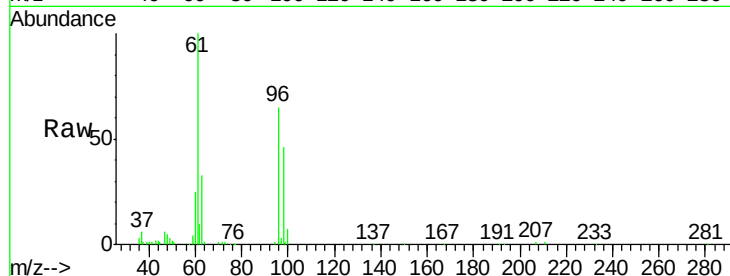
cis-1,2-Dichloroethene
Concen: 20.67 ug/l
RT: 3.61 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		57000		
61	153.1	0.0	355.4		
98	72.2	0.0	131.0		

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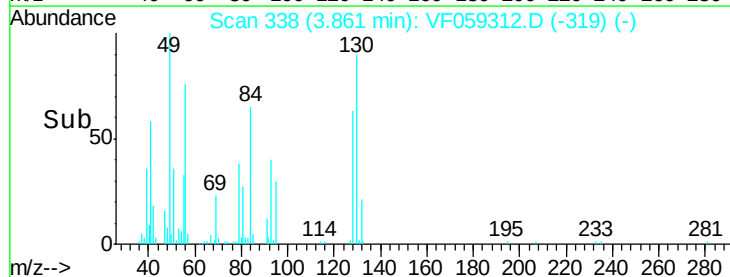
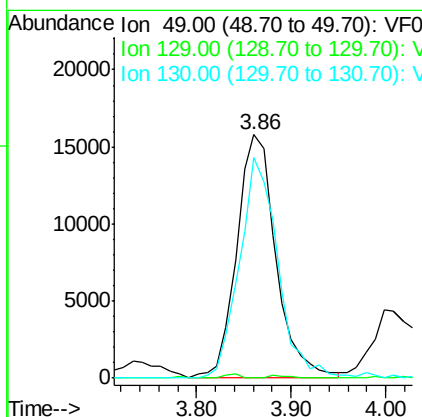
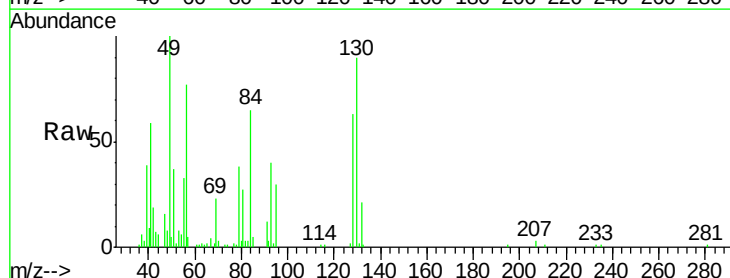
apatel
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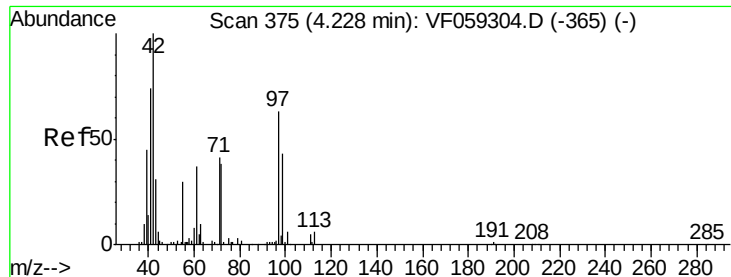


#28

Bromochloromethane
Concen: 24.76 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		45338		
129	0.0	0.0	6.4		
130	90.5	75.1	112.7		





#29

Tetrahydrofuran

Concen: 100.80 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

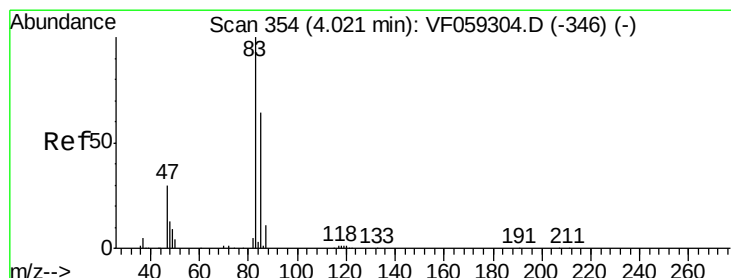
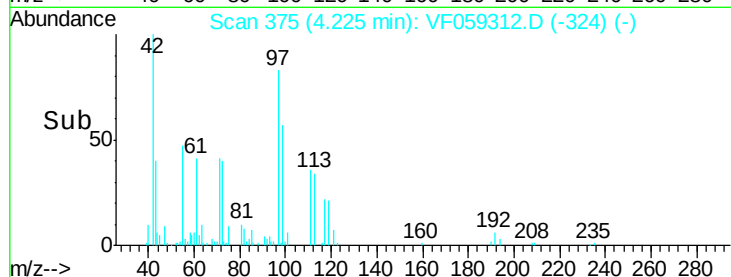
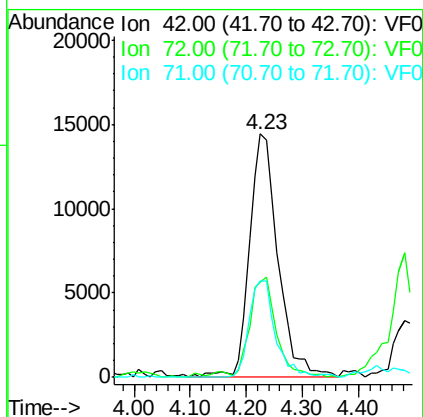
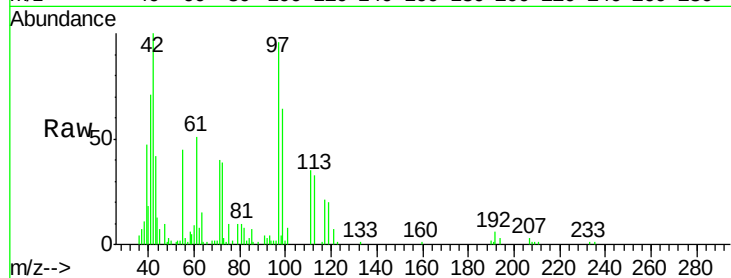
ClientSampleId :

VF0626SBS01

Tot Ion:	42	Resp:	50915
Ion Ratio		Lower	Upper
42	100		
72	37.7	30.5	45.7
71	36.5	32.5	48.7

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#30

Chloroform

Concen: 21.39 ug/l

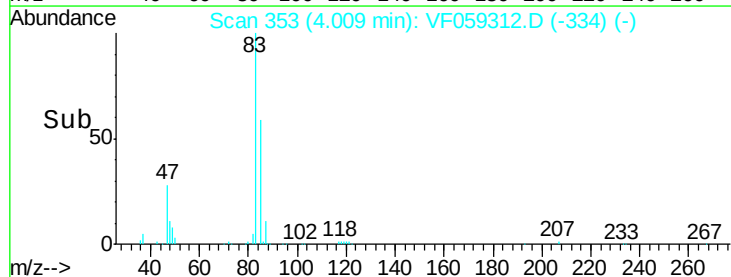
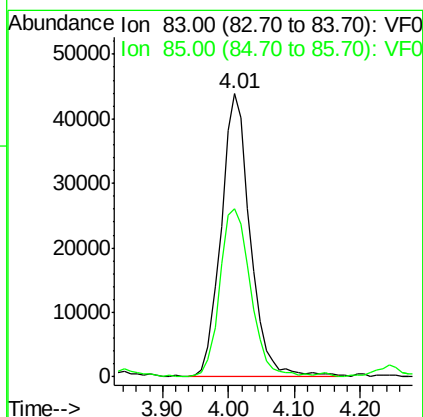
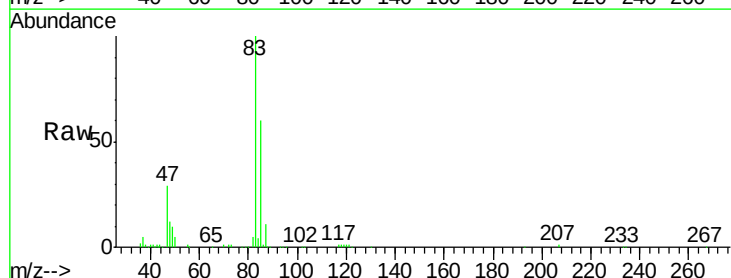
RT: 4.01 min Scan# 353

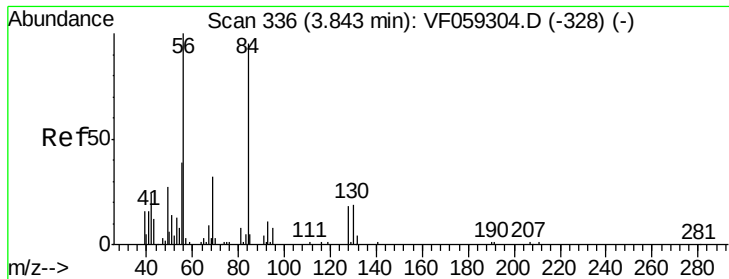
Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion:	83	Resp:	135918
Ion Ratio		Lower	Upper
83	100		
85	59.5	51.3	76.9





#31

Cyclohexane

Concen: 21.66 ug/l

RT: 3.83 min Scan# 335

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

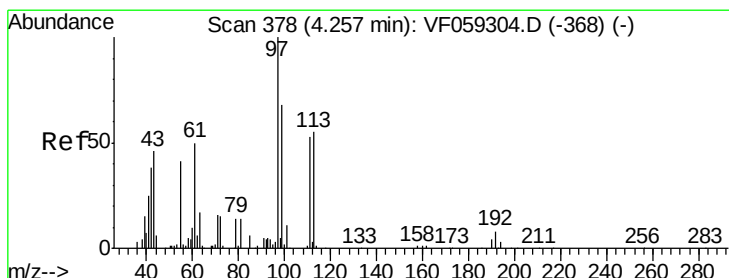
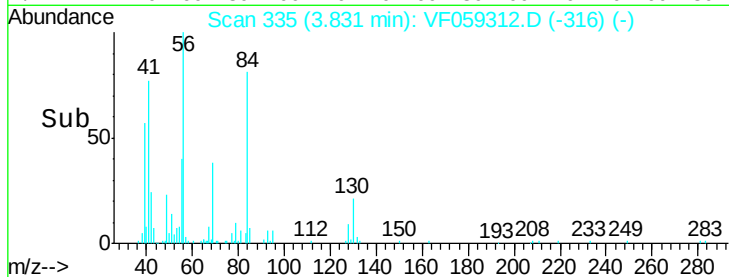
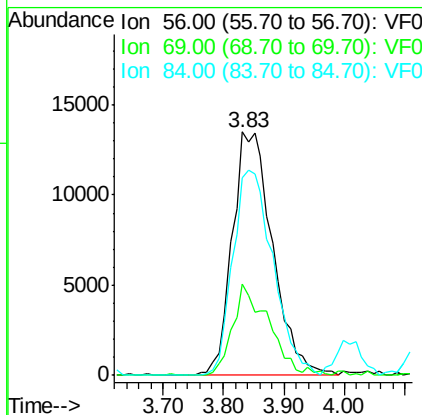
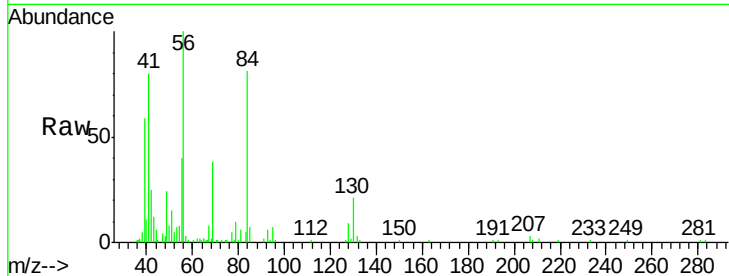
ClientSampleId :

VF0626SBS01

Tot Ion:	56	Resp:	62257
Ion Ratio	Lower	Upper	
56	100		
69	37.5	25.8	38.8
84	81.2	75.6	113.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.04 ug/l

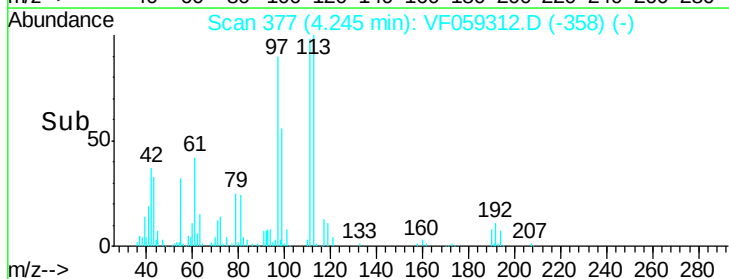
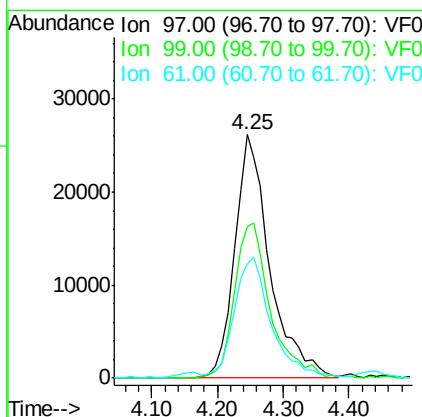
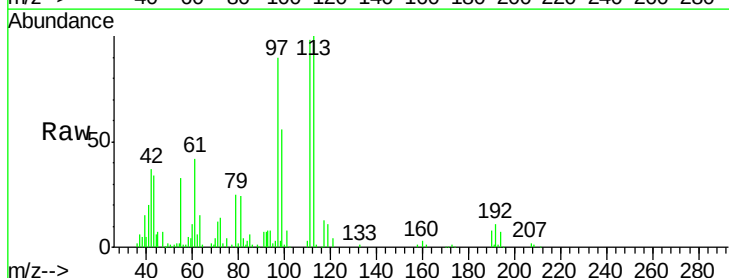
RT: 4.25 min Scan# 377

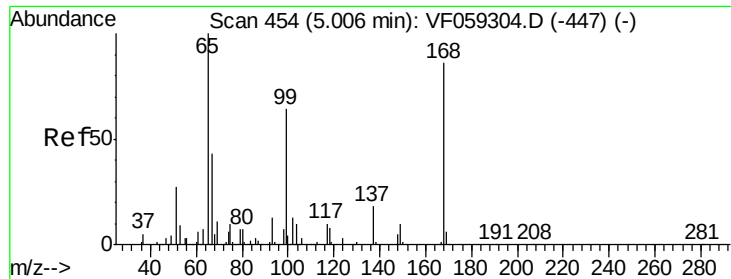
Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion:	97	Resp:	97796
Ion Ratio	Lower	Upper	
97	100		
99	62.0	54.1	81.1
61	46.9	41.2	61.8





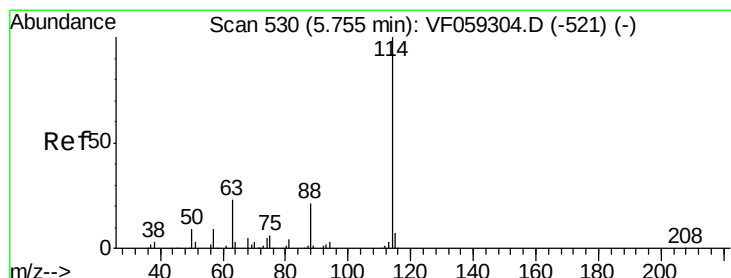
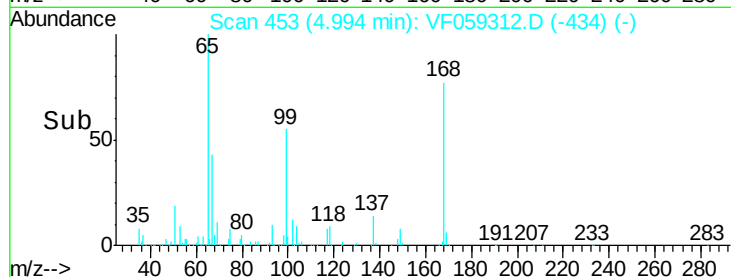
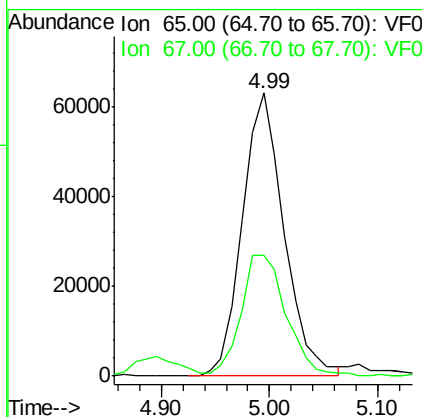
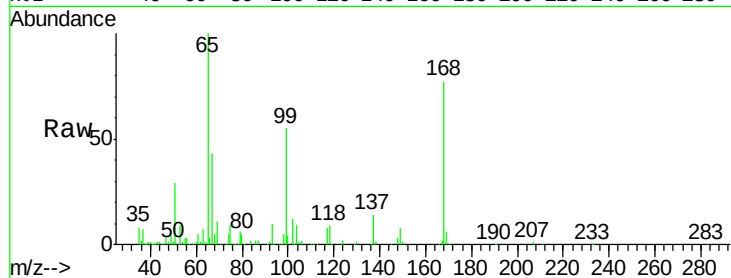
#33
 1,2-Dichloroethane-d4
 Concen: 44.90 ug/l
 RT: 4.99 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	167543		
67	42.7	0.0	96.8	

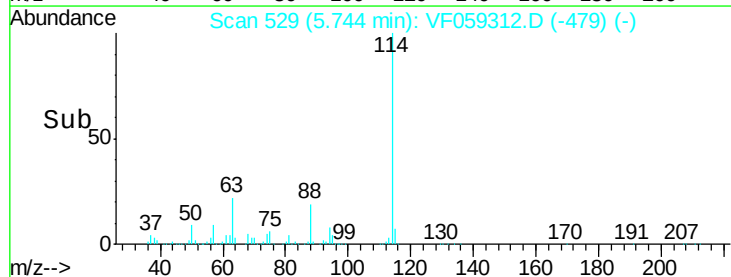
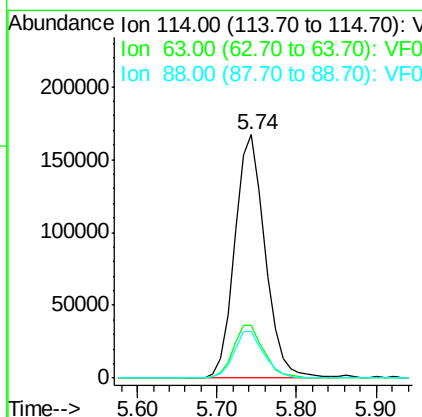
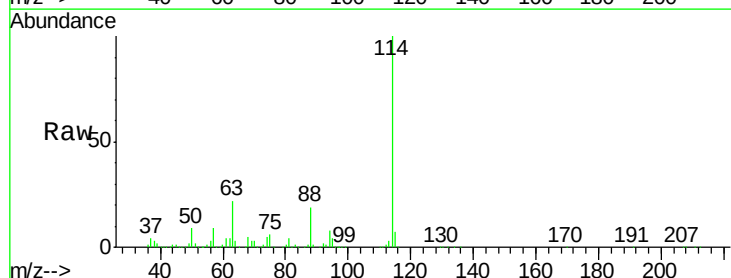
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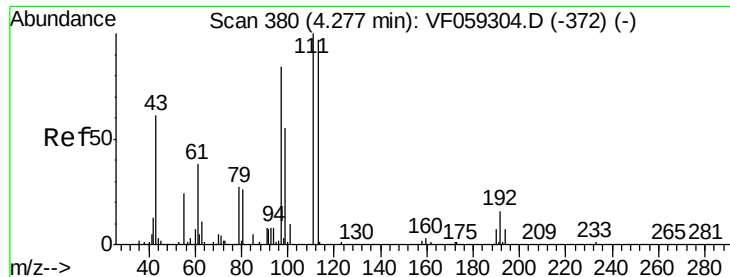
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	442653		
63	21.7	0.0	45.8	
88	19.1	0.0	41.2	





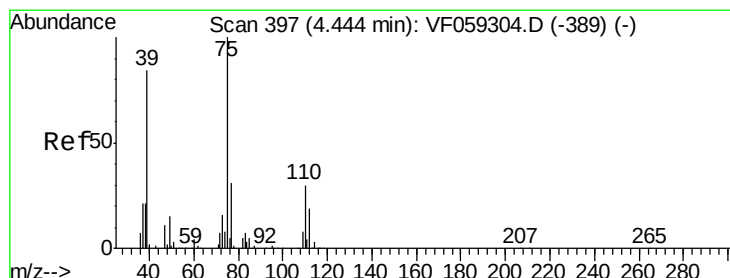
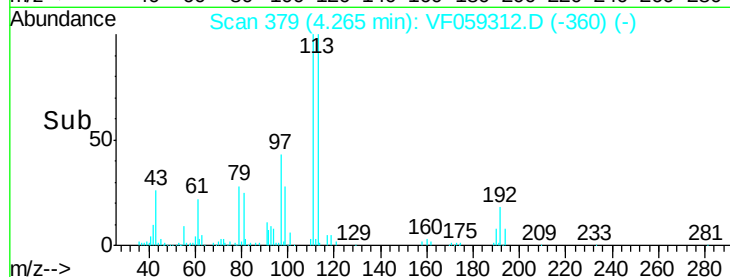
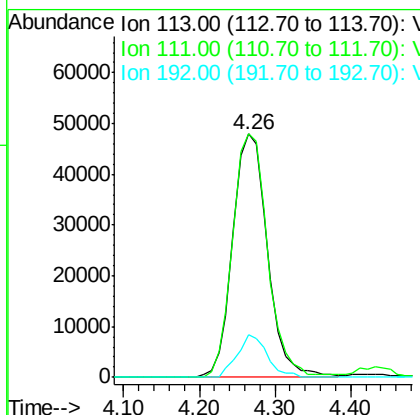
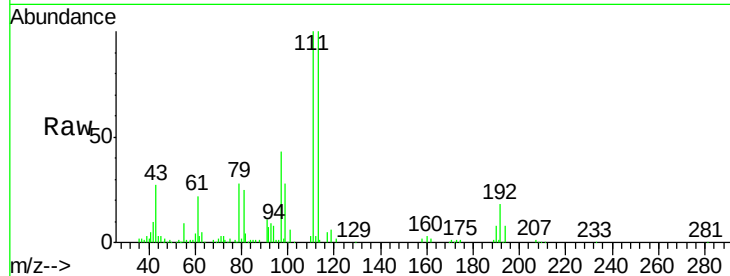
#35
 Dibromofluoromethane
 Concen: 47.14 ug/l
 RT: 4.26 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152458		
111	100.0	82.1	123.1	
192	17.7	13.0	19.6	

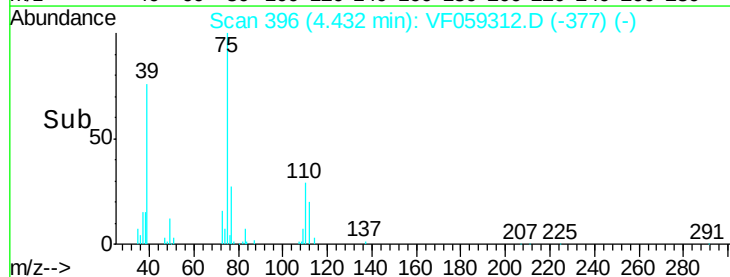
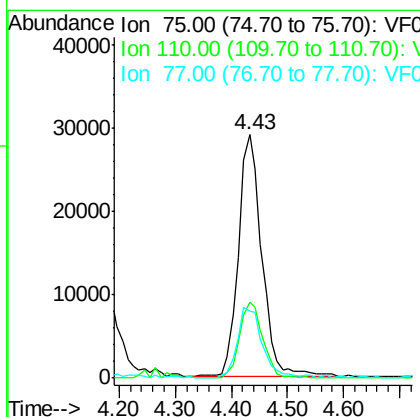
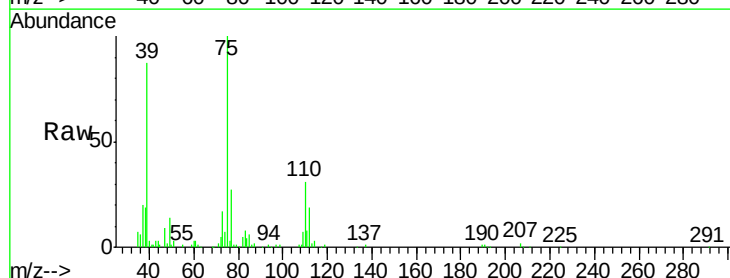
Manual Integrations
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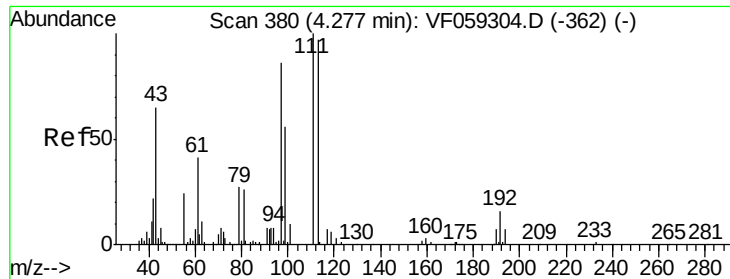
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#36
 1,1-Dichloropropene
 Concen: 21.70 ug/l
 RT: 4.43 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83916		
110	31.3	14.8	44.4	
77	27.3	25.2	37.8	





#37

Ethyl Acetate

Concen: 19.27 ug/l

RT: 4.26 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

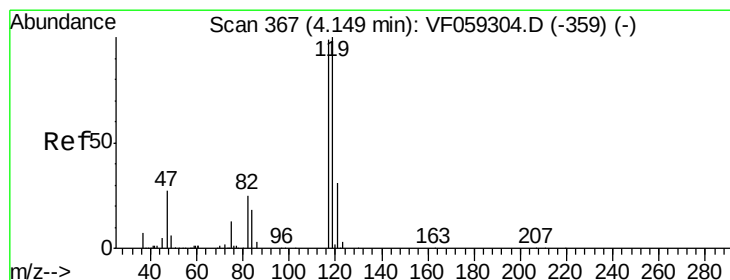
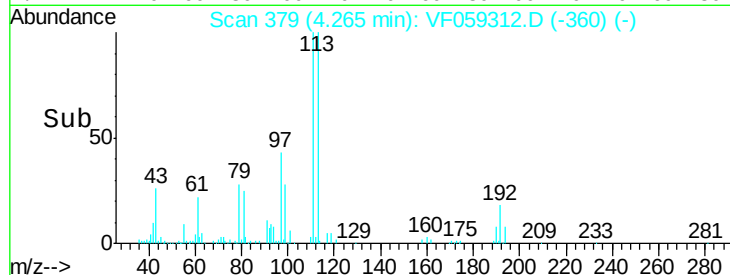
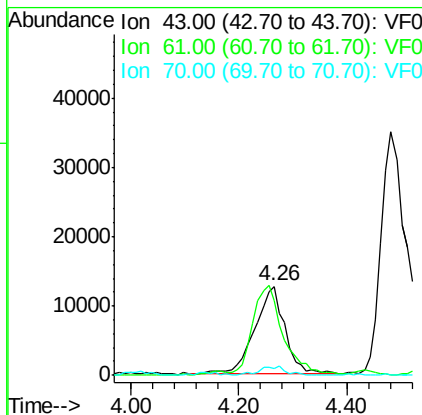
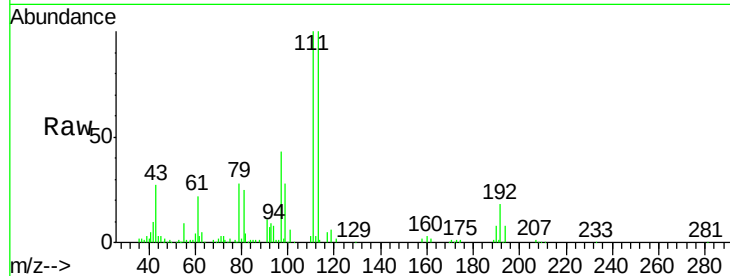
ClientSampleId :

VF0626SBS01

Tot Ion:	43	Resp:	49927
Ion Ratio	Lower	Upper	
43	100		
61	83.9	50.1	75.1#
70	8.3	6.2	9.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.35 ug/l

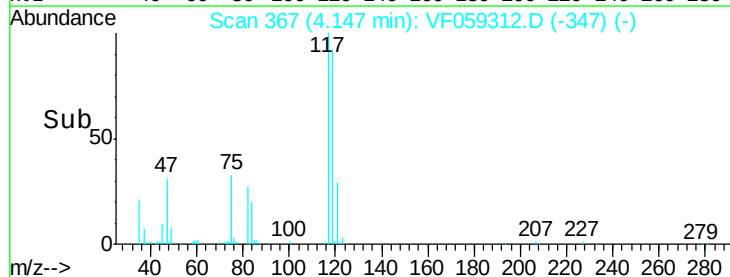
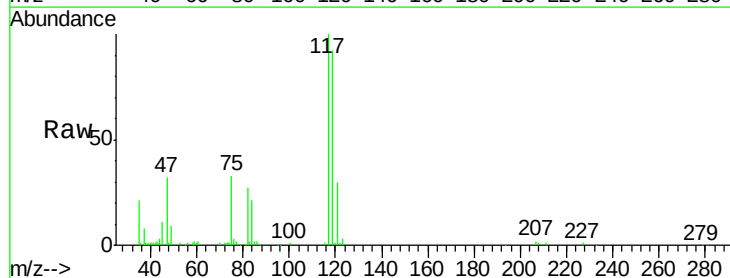
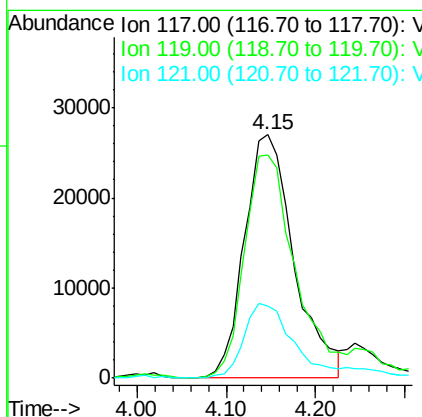
RT: 4.15 min Scan# 367

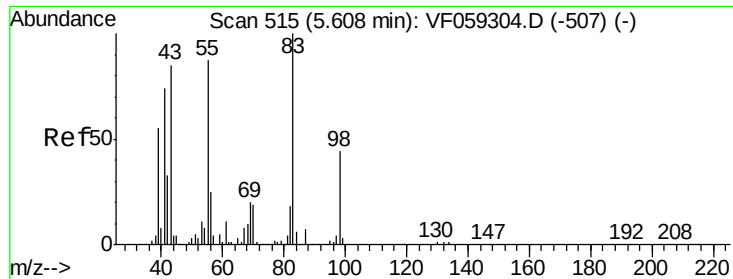
Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion:	117	Resp:	104206
Ion Ratio	Lower	Upper	
117	100		
119	91.9	81.0	121.4
121	29.5	24.7	37.1





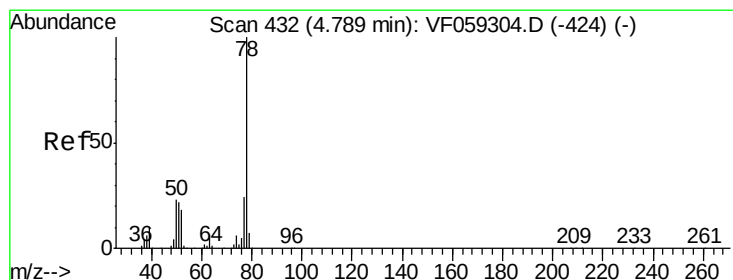
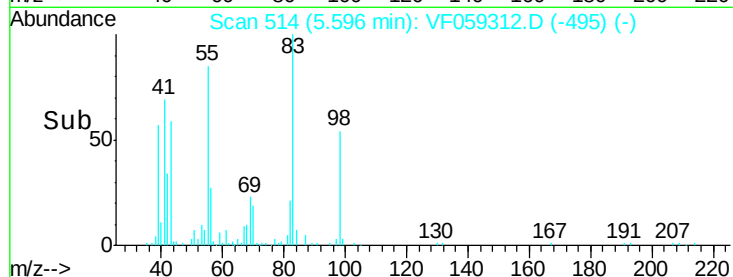
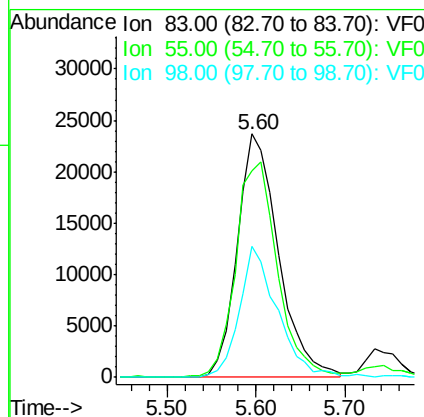
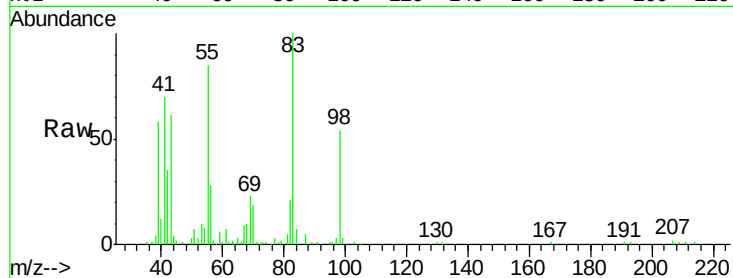
#39
Methylvlcyclohexane
Concen: 22.16 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.6	69.2	103.8
98	53.5	35.0	52.6

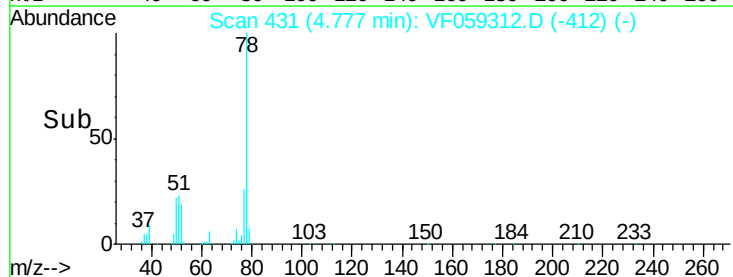
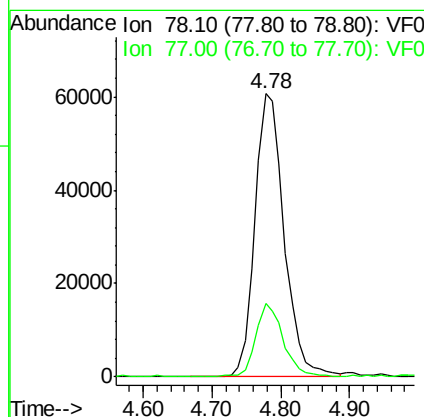
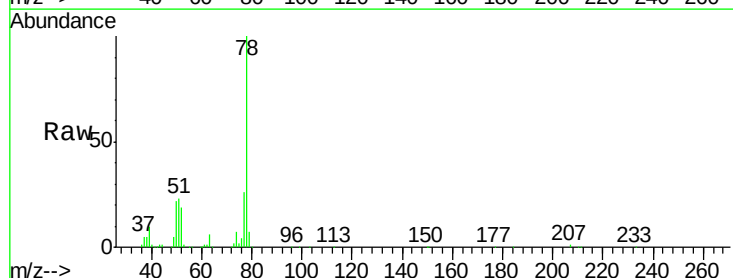
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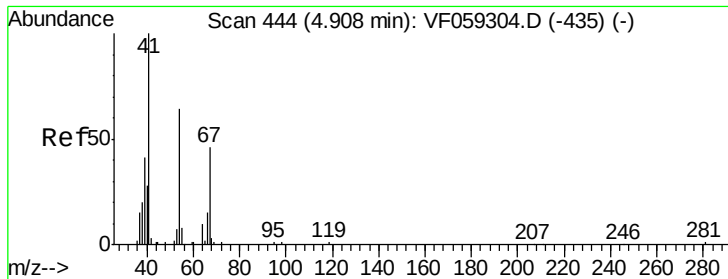
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#40
Benzene
Concen: 20.94 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	19.6	29.4





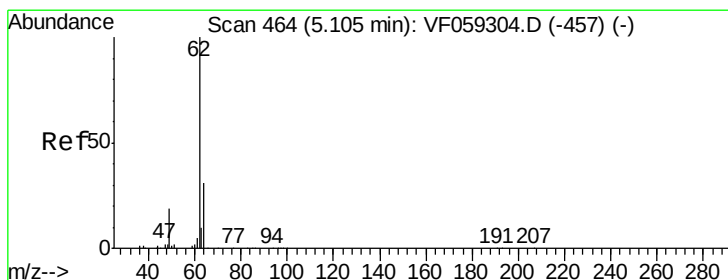
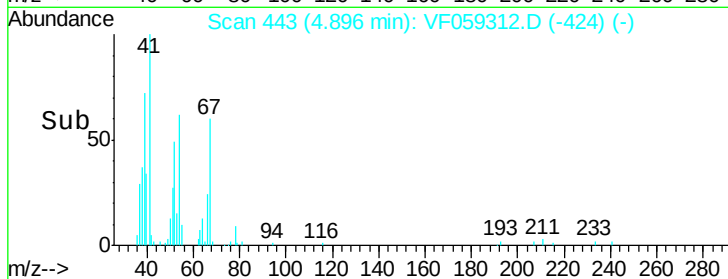
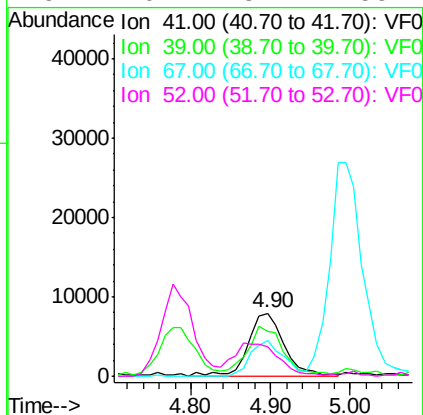
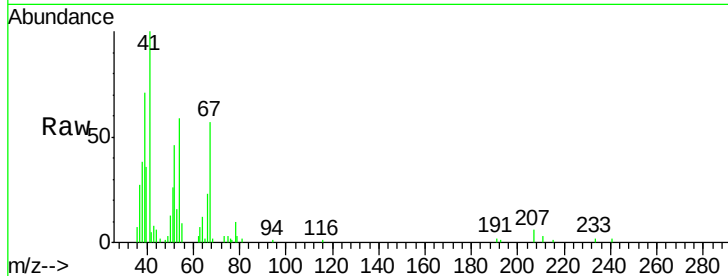
#41
Methacrylonitrile
Concen: 18.90 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	70.5	50.0	75.0	
67	56.6	37.0	55.6	
52	46.2	37.1	55.7	

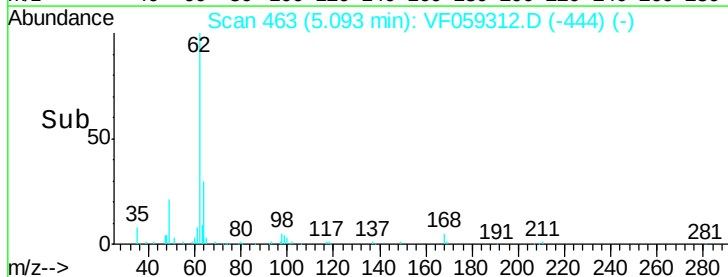
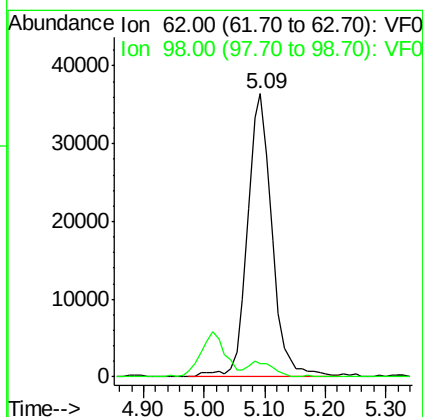
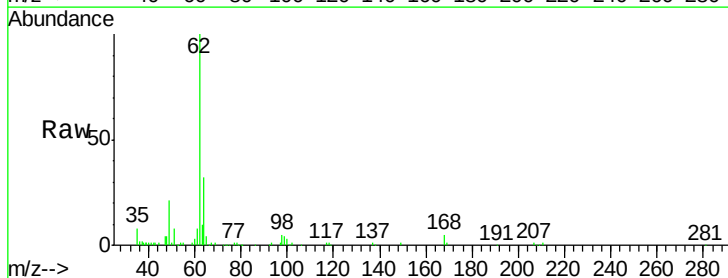
Manual Integrations
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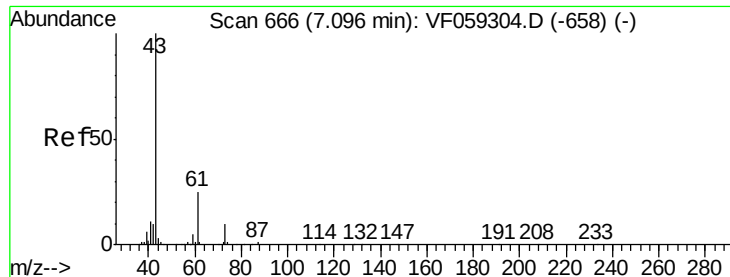
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#42
1,2-Dichloroethane
Concen: 20.50 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.6	0.0	11.4	





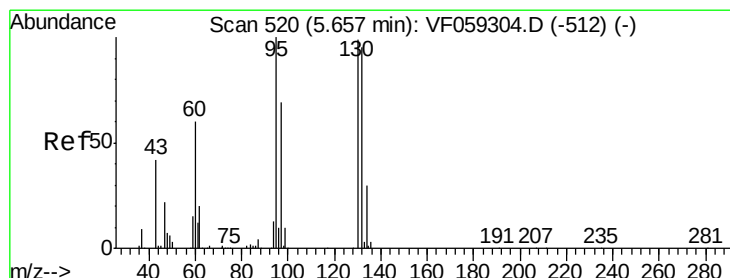
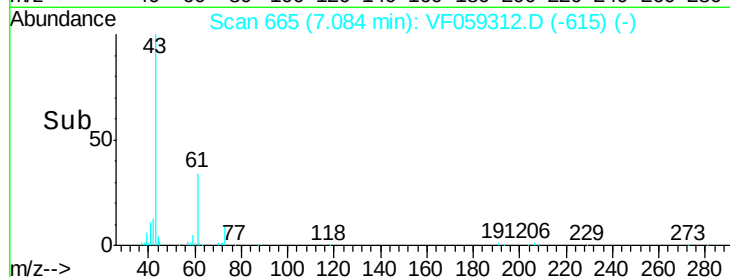
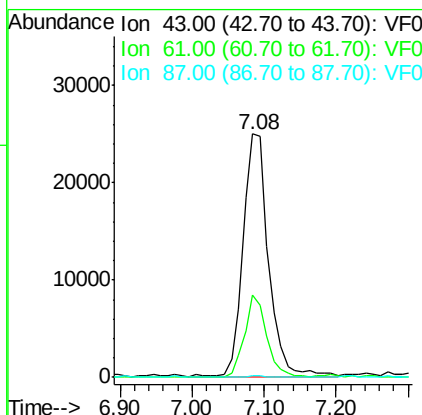
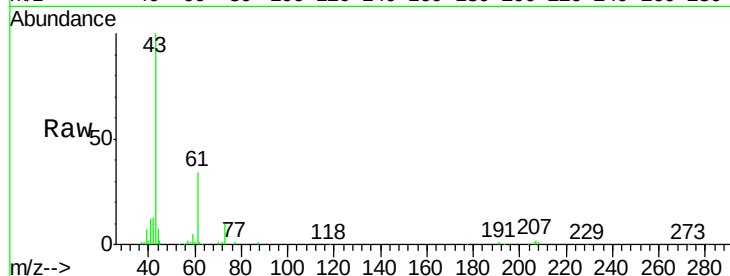
#43
Isopropyl Acetate
Concen: 19.53 ug/l
RT: 7.08 min Scan# 665
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.7	19.7	29.5#
87	0.8	0.5	0.7#

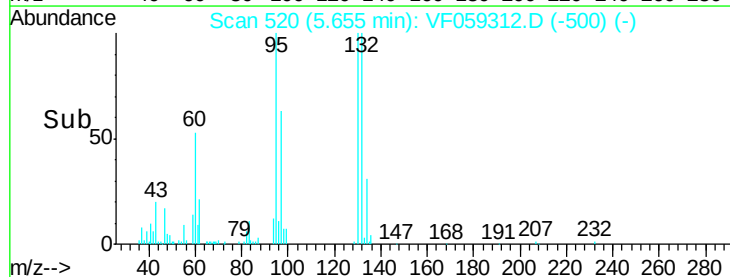
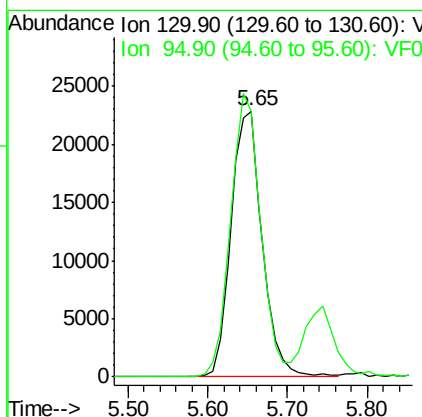
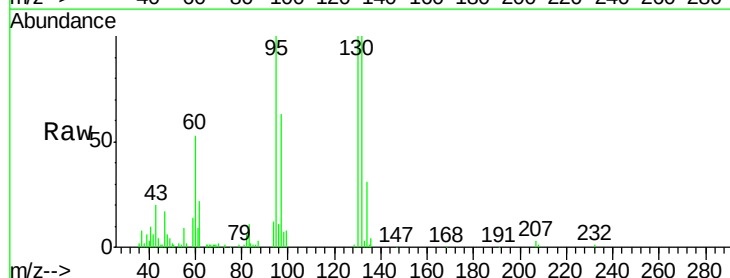
Manual Integrations
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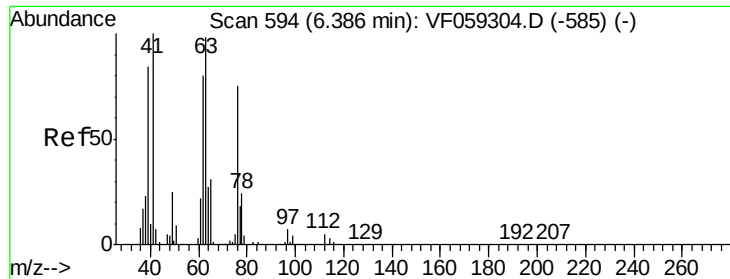
apatel
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#44
Trichloroethene
Concen: 21.25 ug/l
RT: 5.65 min Scan# 520
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	202.4





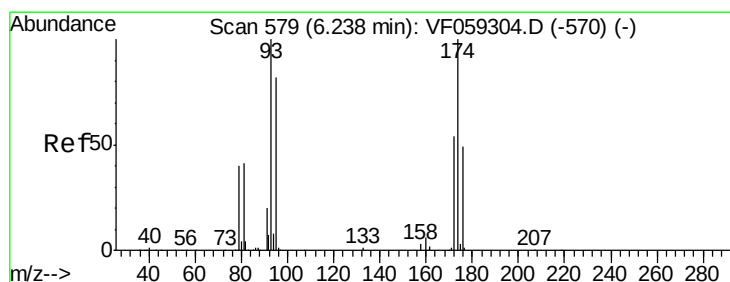
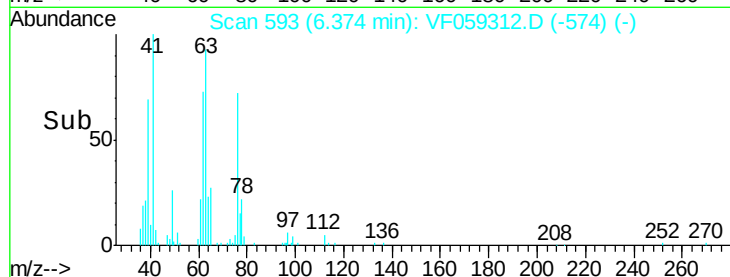
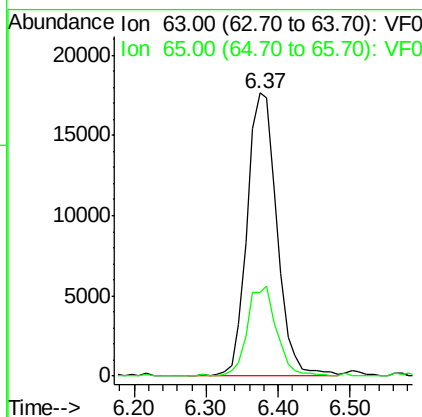
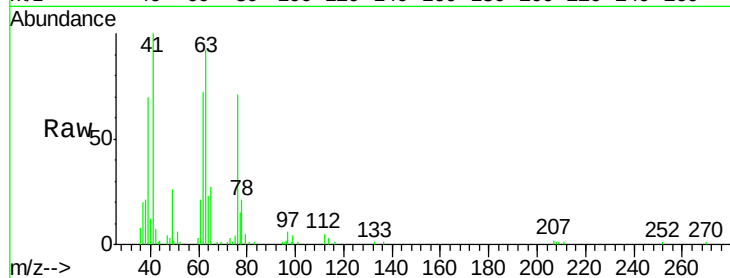
#45
1,2-Dichloropropane
Concen: 20.87 ug/l
RT: 6.37 min Scan# 593
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.3	37.9

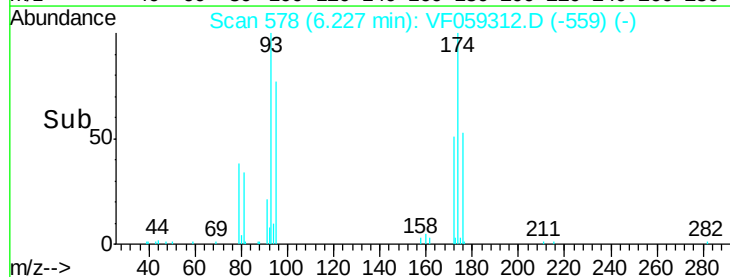
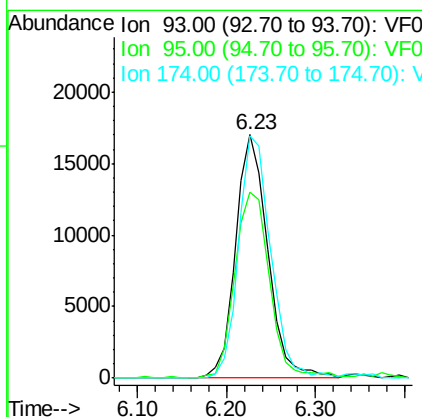
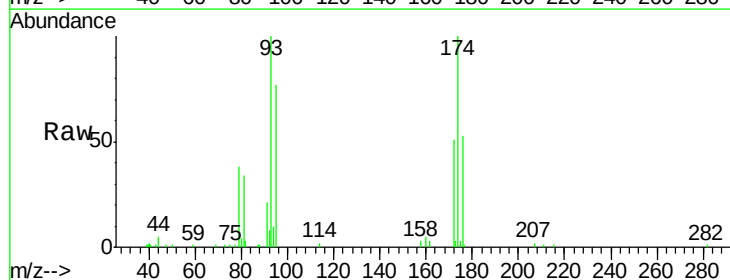
Manual Integrations
APPROVED

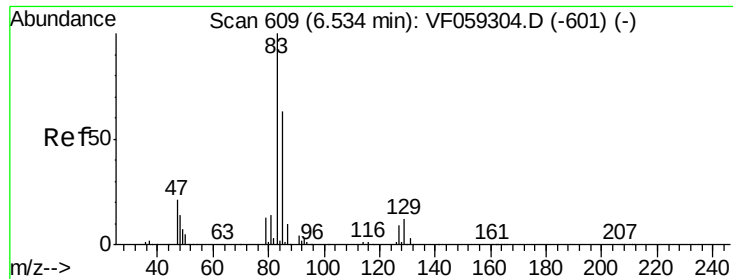
apatel
6/27/2018 2:01:34 PM



#46
Dibromomethane
Concen: 20.18 ug/l
RT: 6.23 min Scan# 578
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	76.6	65.6	98.4
174	99.7	80.0	120.0





#47

Bromodichloromethane

Concen: 20.47 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

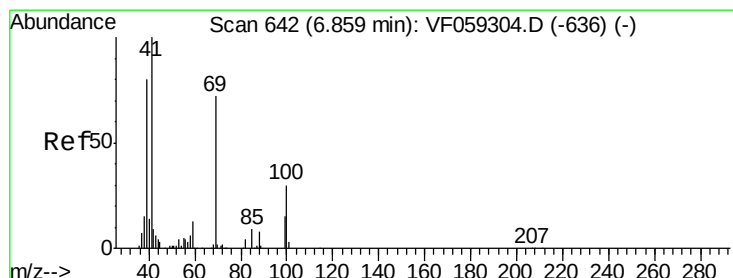
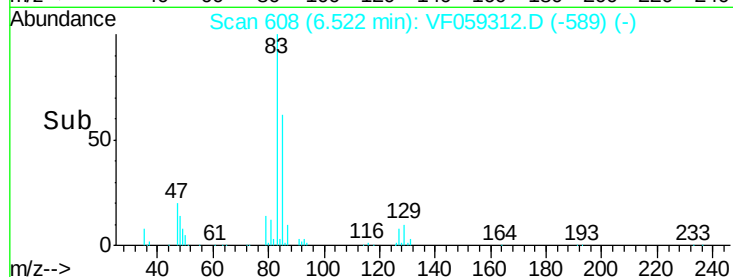
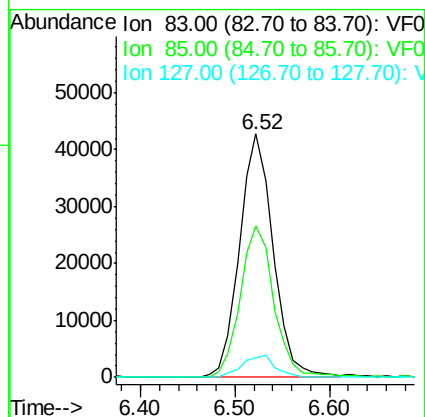
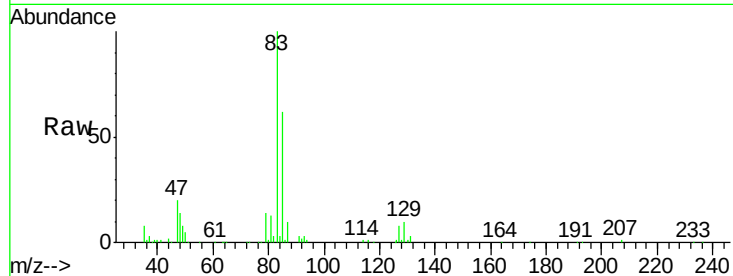
ClientSampleId :

VF0626SBS01

Tot Ion:	83	Resp:	105336
Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.2	75.2
127	8.0	7.0	10.4

Manual Integrations
APPROVED

apatel
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#48

Methyl methacrylate

Concen: 18.86 ug/l

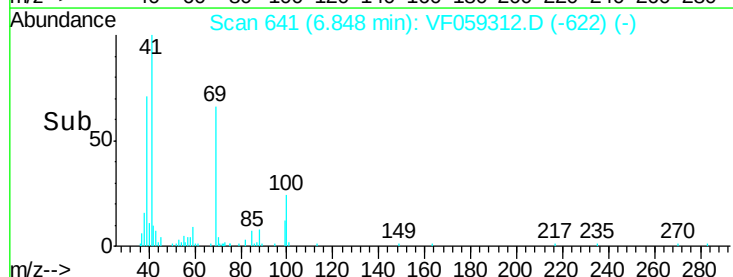
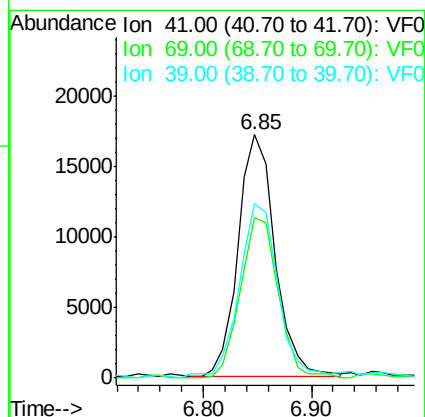
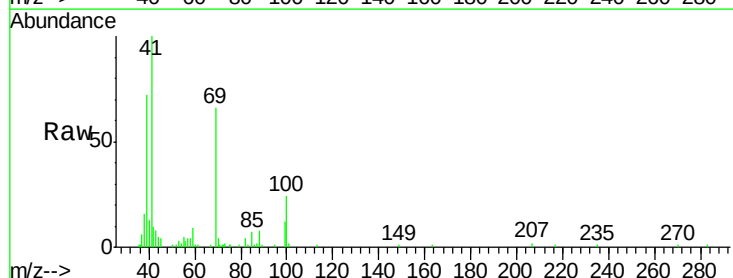
RT: 6.85 min Scan# 641

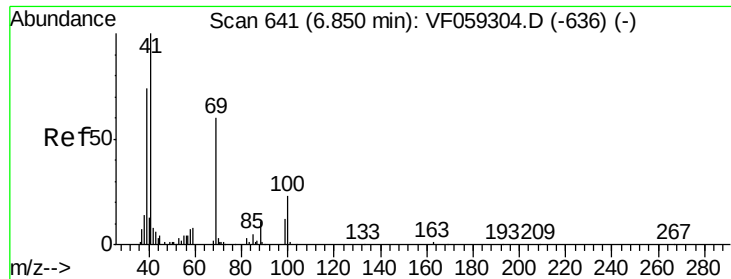
Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion:	41	Resp:	40717
Ion	Ratio	Lower	Upper
41	100		
69	65.6	57.3	85.9
39	71.7	64.4	96.6





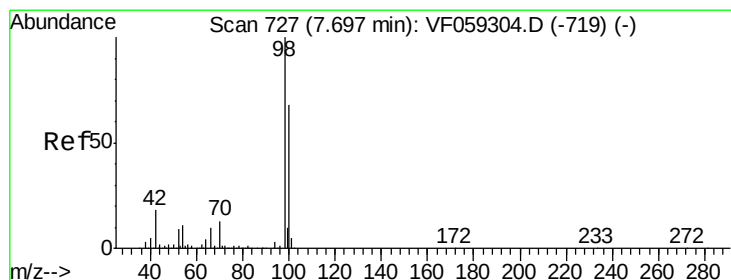
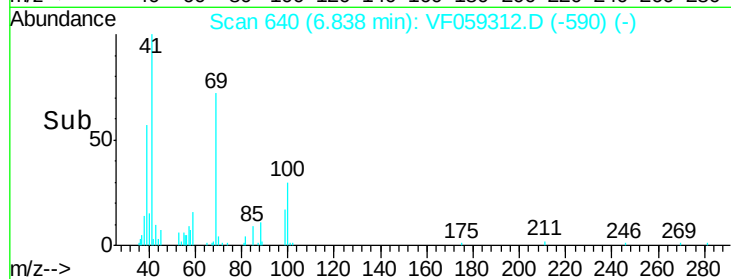
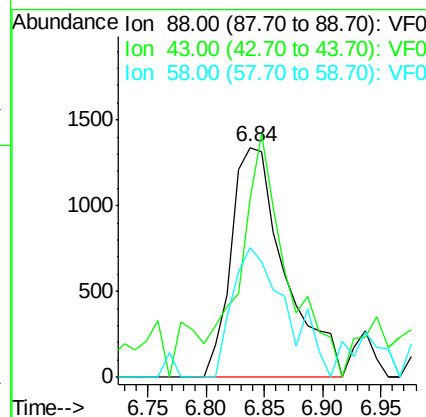
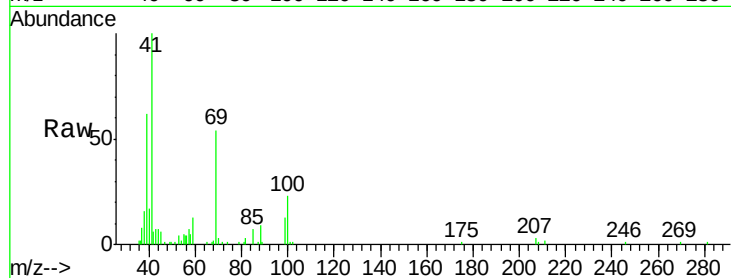
#49
1,4-Dioxane
Concen: 343.03 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	88	Resp	4273
Ion	Ratio	Lower	Upper
88	100		
43	77.6	50.6	75.8#
58	56.5	46.6	69.8

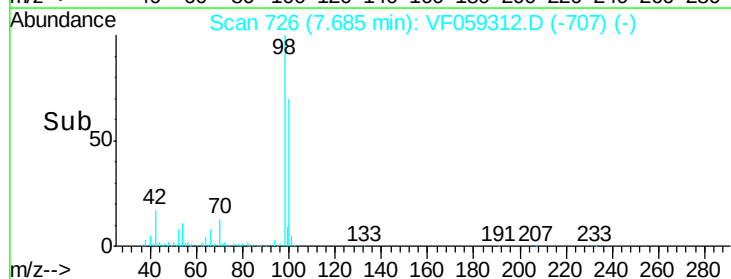
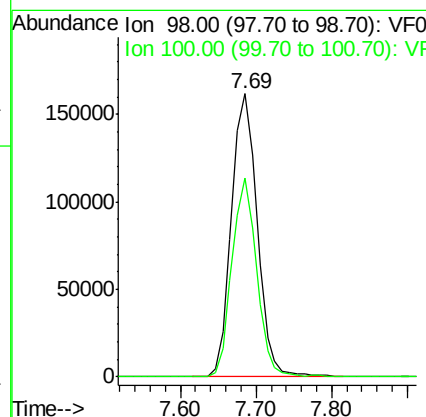
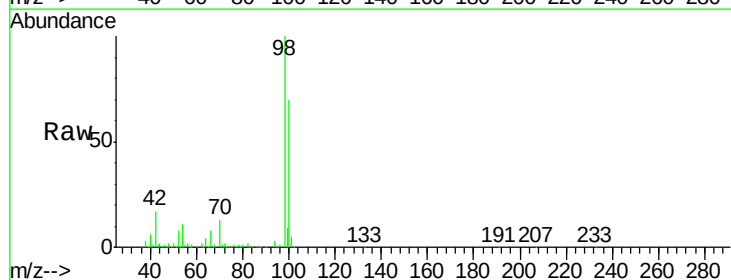
Manual Integrations
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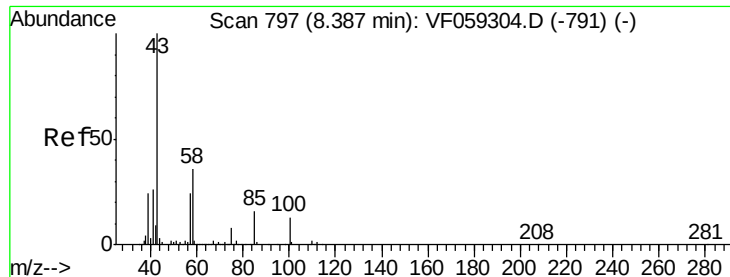
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#50
Toluene-d8
Concen: 47.83 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	98	Resp	382986
Ion	Ratio	Lower	Upper
98	100		
100	70.4	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 100.24 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 43 Resp: 239188

Ion Ratio Lower Upper

43 100

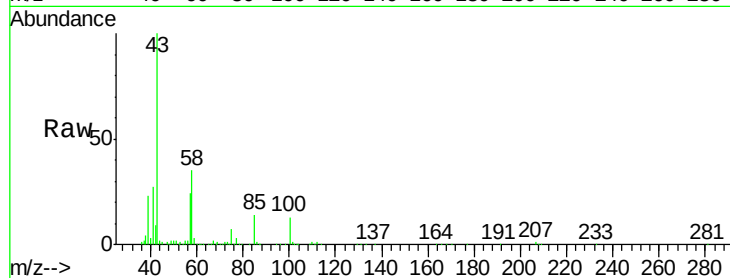
58 35.1 28.4 42.6

Manual Integrations

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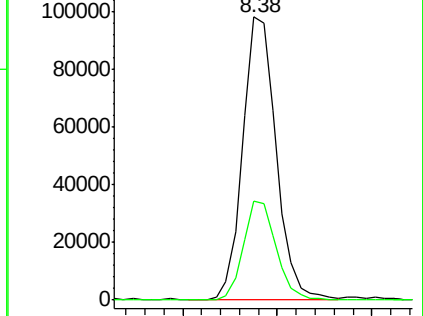
apatel

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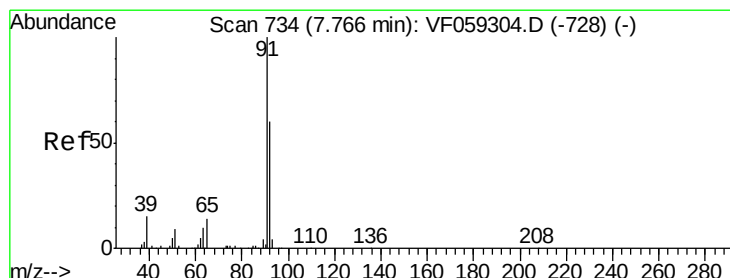
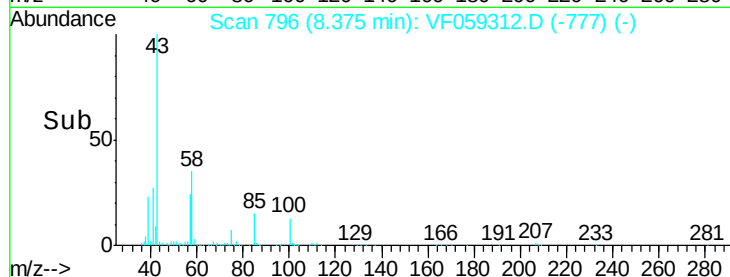


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#52

Toluene

Concen: 20.16 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059312.D

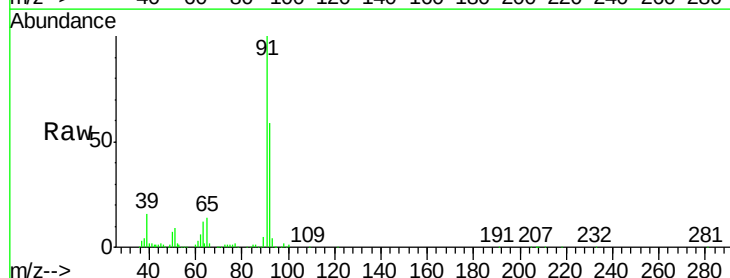
Acq: 26 Jun 2018 12:59

Tgt Ion: 92 Resp: 129317

Ion Ratio Lower Upper

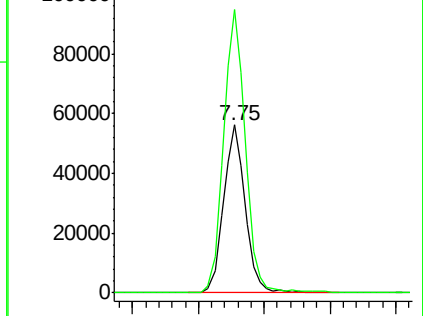
92 100

91 168.4 132.8 199.2

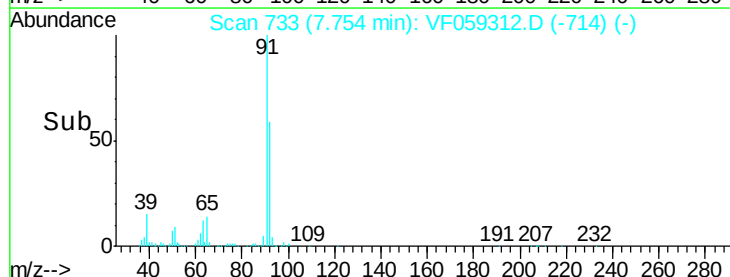


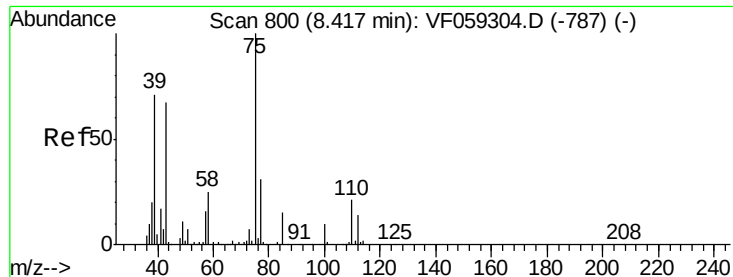
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->





#53

t-1,3-Dichloropropene

Concen: 20.77 ug/l

RT: 8.40 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 75 Resp: 97431

Ion Ratio Lower Upper

75 100

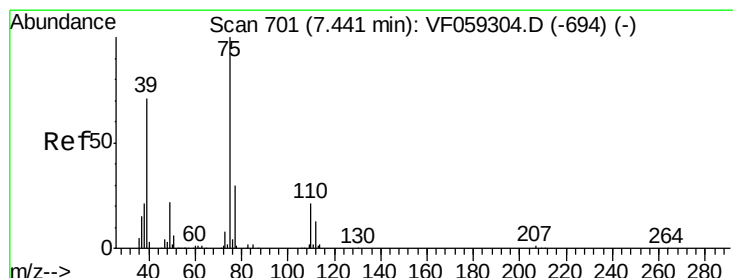
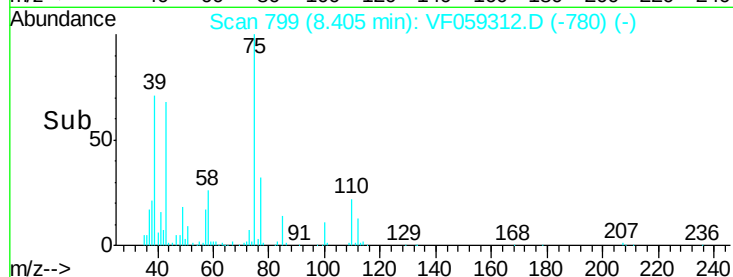
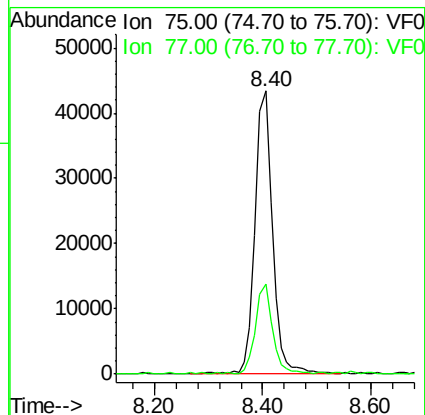
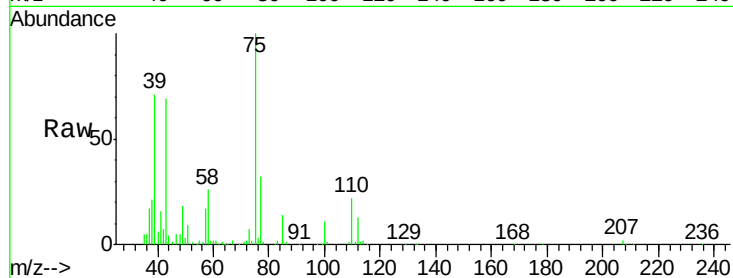
77 32.0 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.96 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

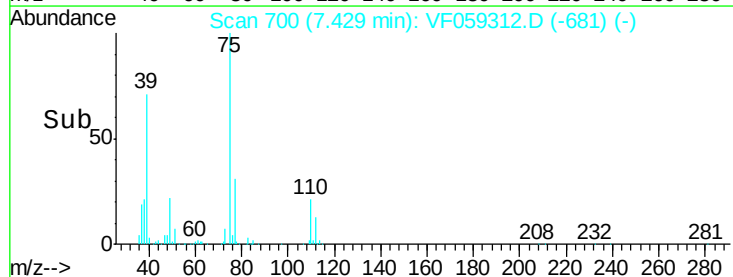
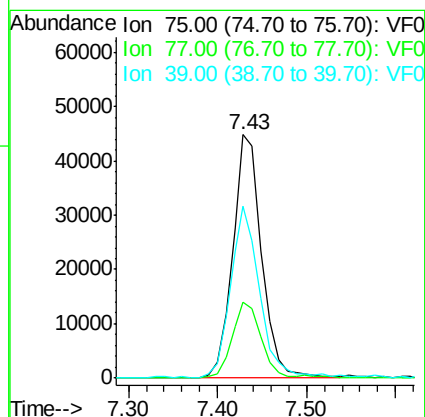
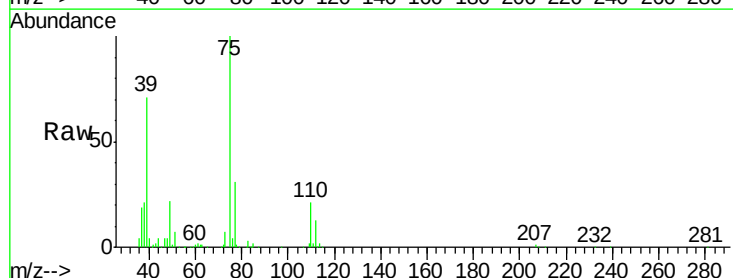
Tgt Ion: 75 Resp: 101713

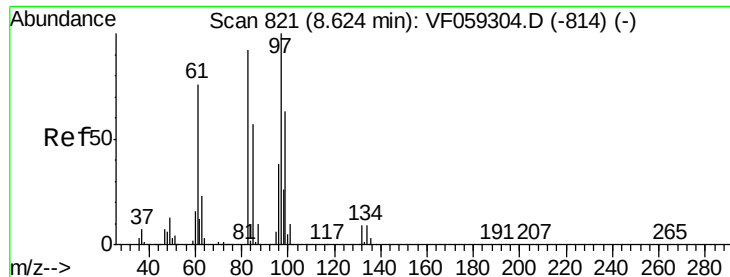
Ion Ratio Lower Upper

75 100

77 31.0 24.3 36.5

39 70.7 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 20.16 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

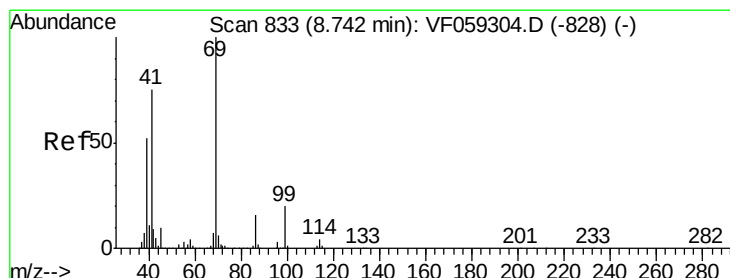
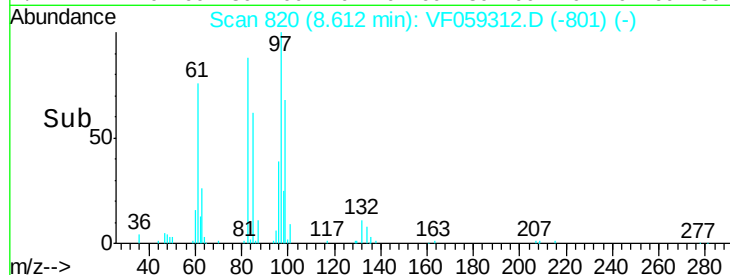
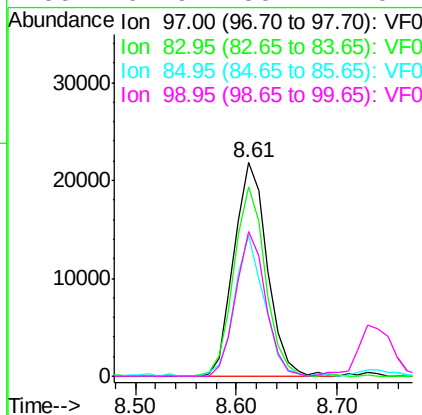
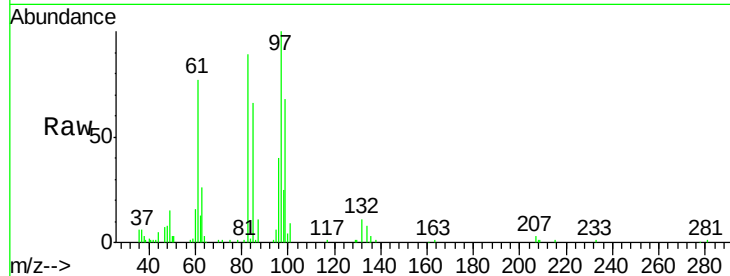
ClientSampleId :

VF0626SBS01

Tot Ion:	97	Resp:	50212
Ion	Ratio	Lower	Upper
97	100		
83	88.9	73.8	110.8
85	66.2	45.5	68.3
99	67.9	50.7	76.1

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#56

Ethyl methacrylate

Concen: 18.48 ug/l

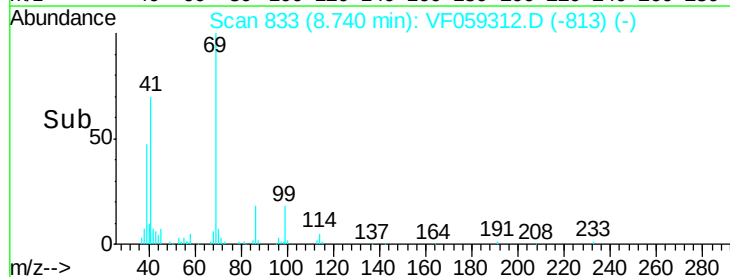
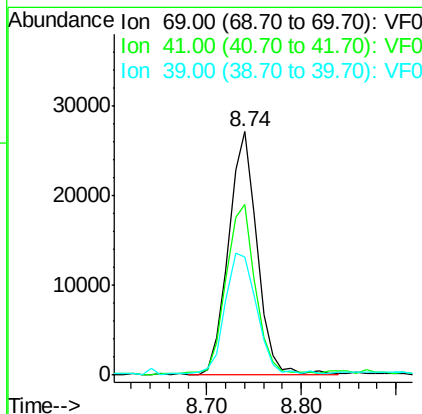
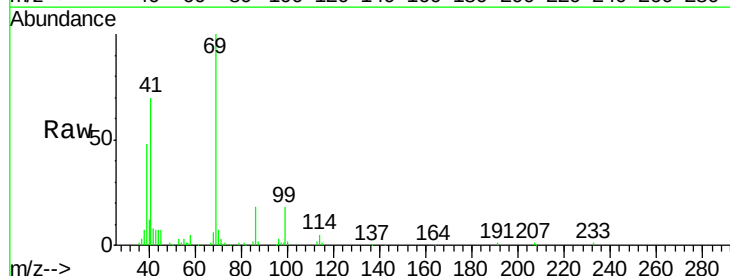
RT: 8.74 min Scan# 833

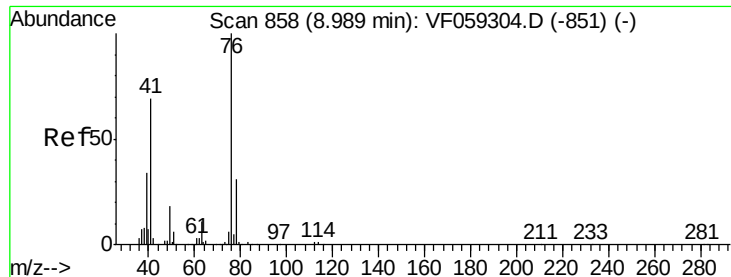
Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion:	69	Resp:	57030
Ion	Ratio	Lower	Upper
69	100		
41	70.3	60.3	90.5
39	48.3	42.2	63.4





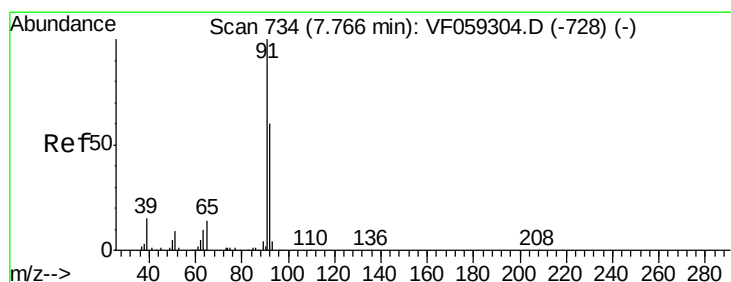
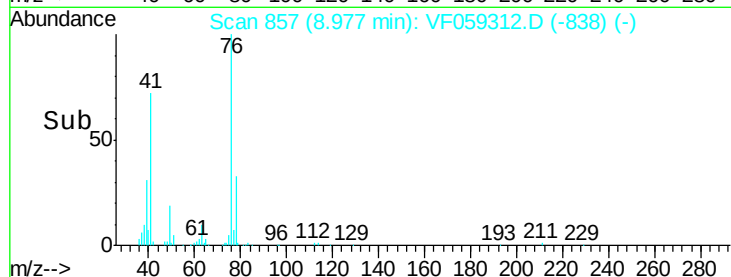
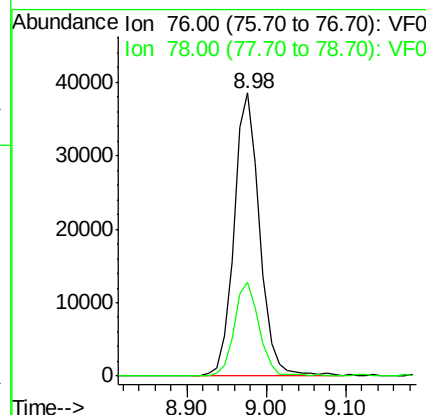
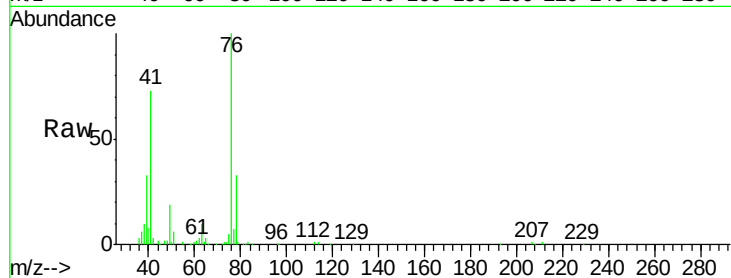
#57
 1,3-Dichloropropane
 Concen: 20.31 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	24.9	37.3

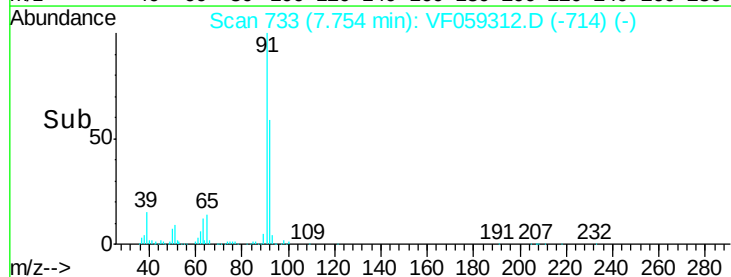
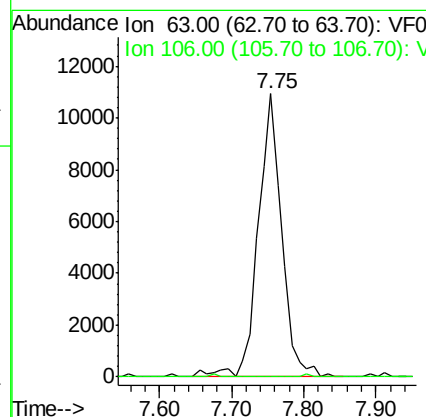
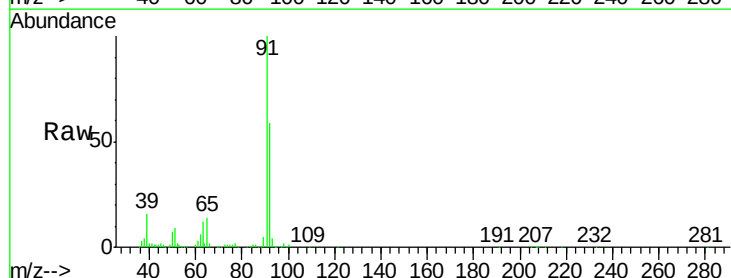
Manual Integrations
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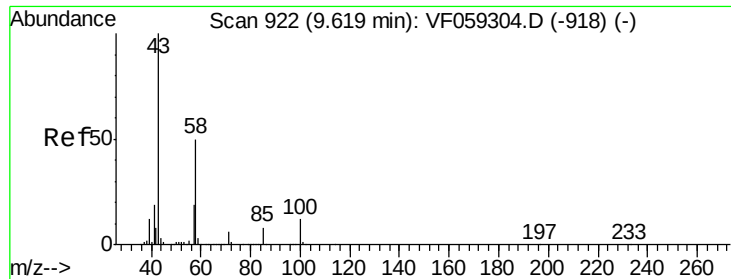
apatel
 6/27/2018 2:01:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.46 ug/l
 RT: 7.75 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





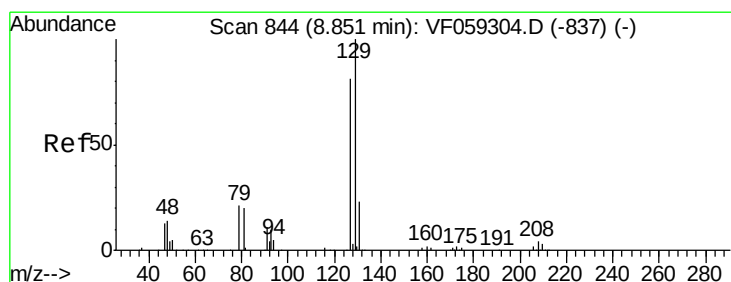
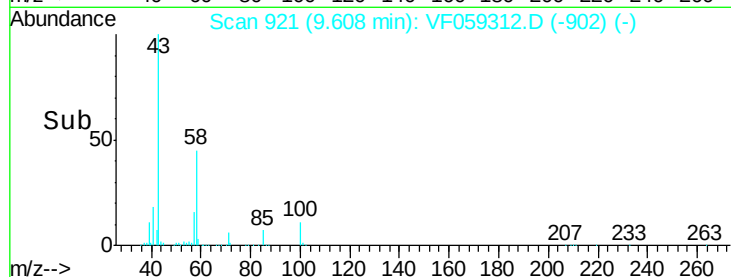
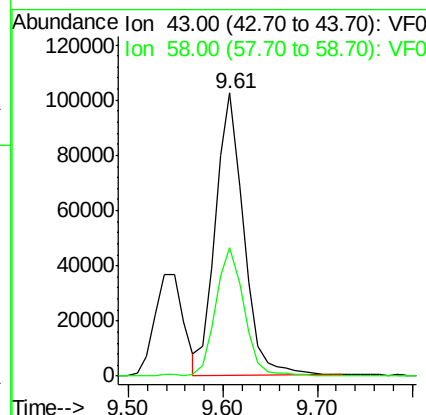
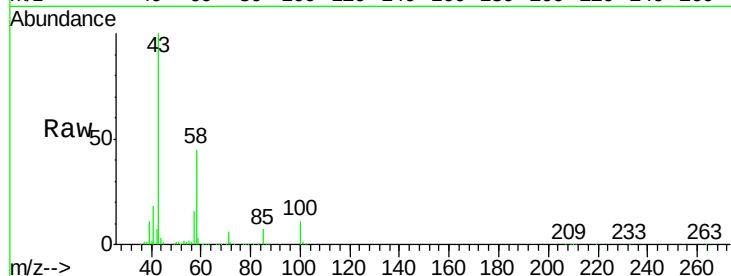
#59
2-Hexanone
Concen: 108.42 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.4	23.3	69.9

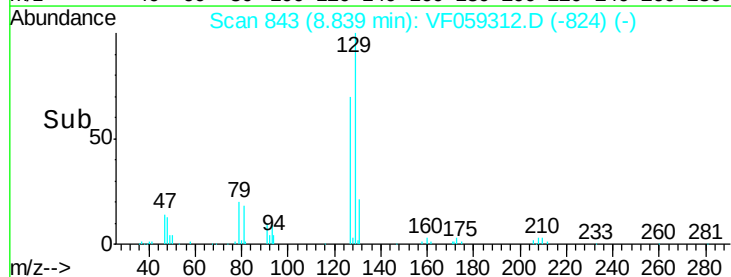
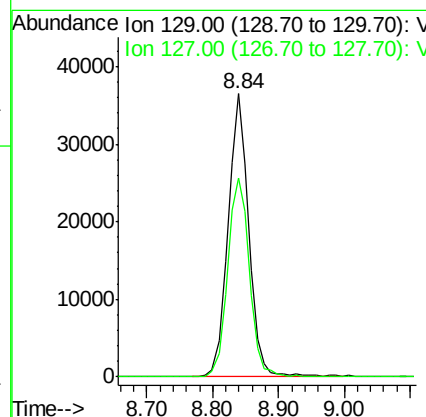
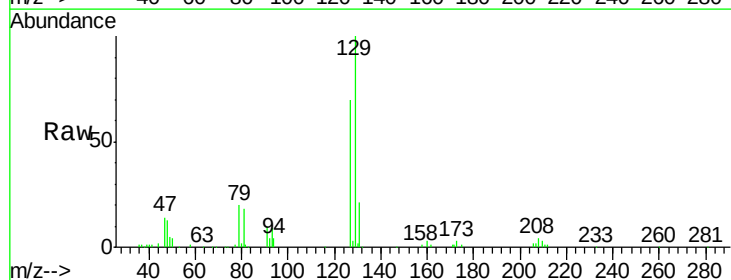
Manual Integrations
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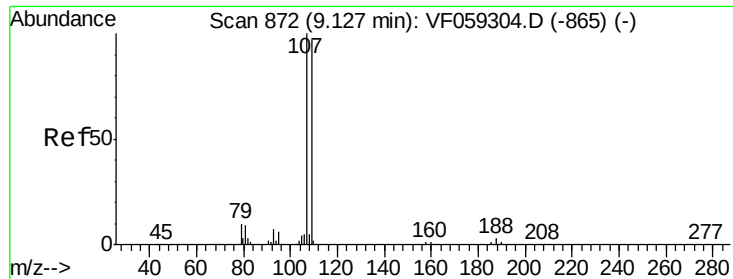
apatel
6/27/2018 2:01:34 PM



#60
Dibromochloromethane
Concen: 20.87 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	70.2	40.7	122.1





#61

1,2-Dibromoethane

Concen: 20.16 ug/l

RT: 9.11 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion:107 Resp: 60907

Ion Ratio Lower Upper

107 100

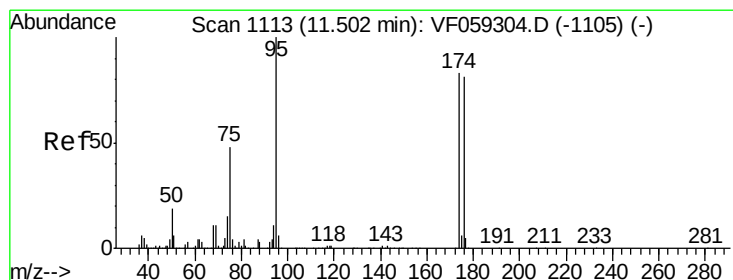
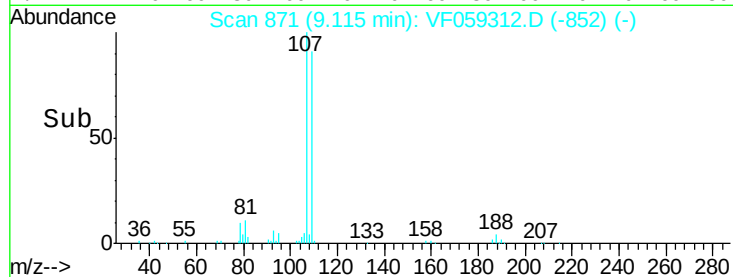
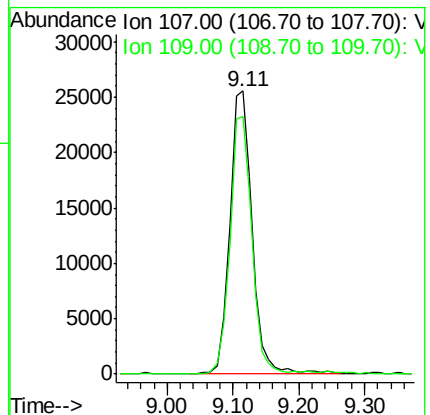
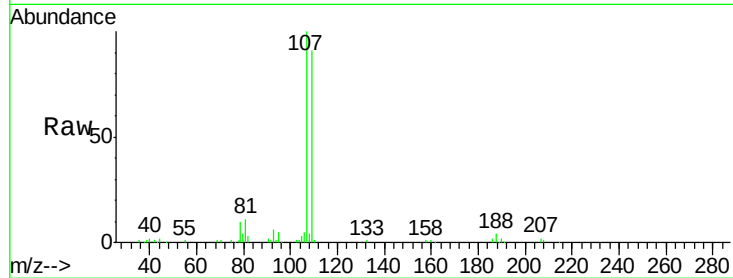
109 90.9 77.3 115.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.86 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

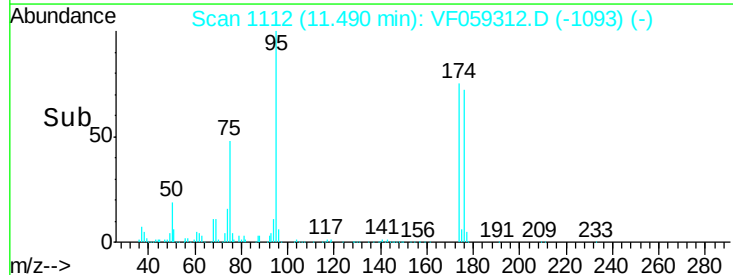
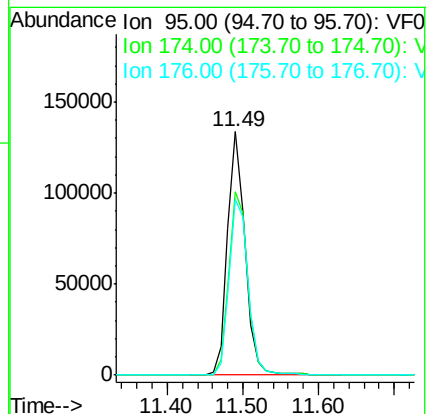
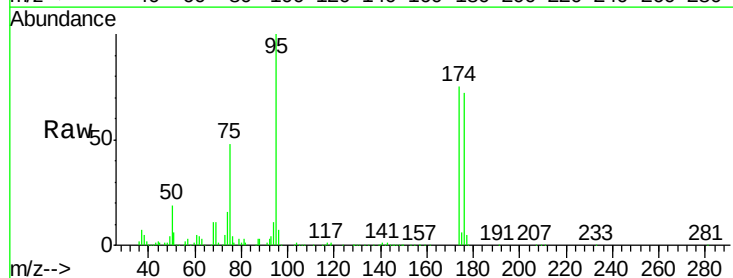
Tgt Ion: 95 Resp: 216211

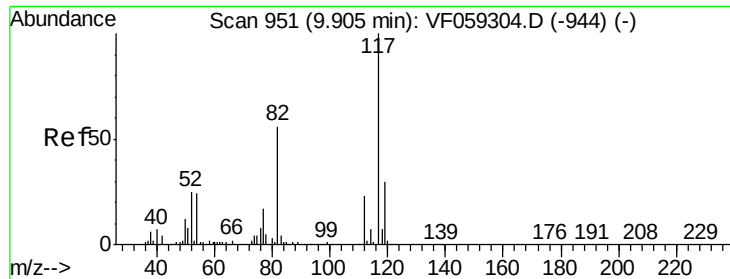
Ion Ratio Lower Upper

95 100

174 75.2 0.0 165.2

176 72.4 0.0 161.0





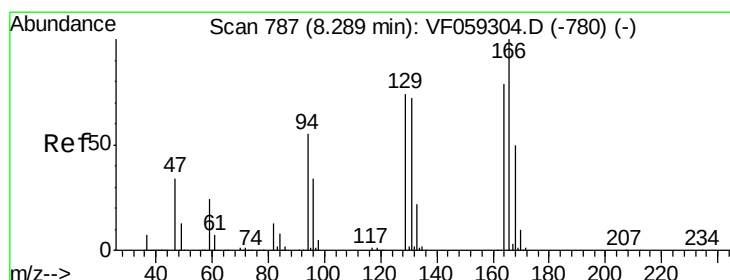
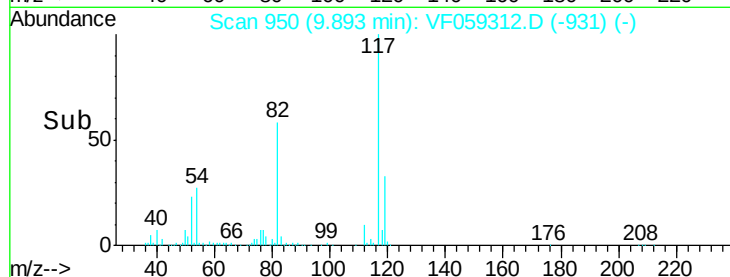
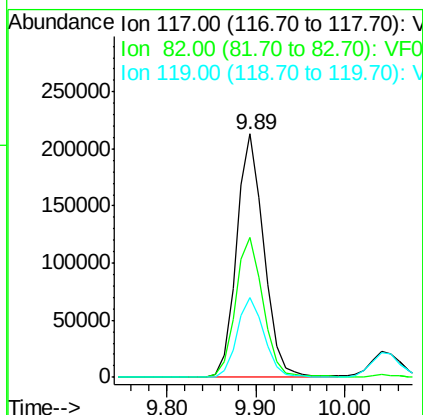
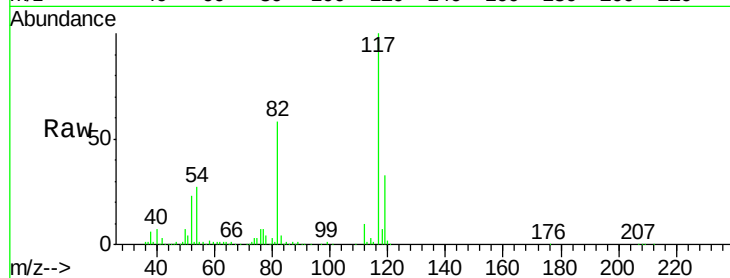
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.6	66.8
119	32.6	24.1	36.1

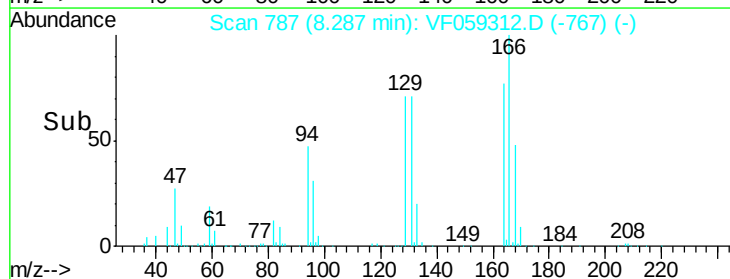
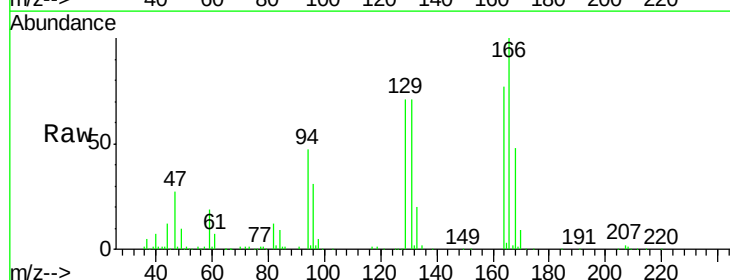
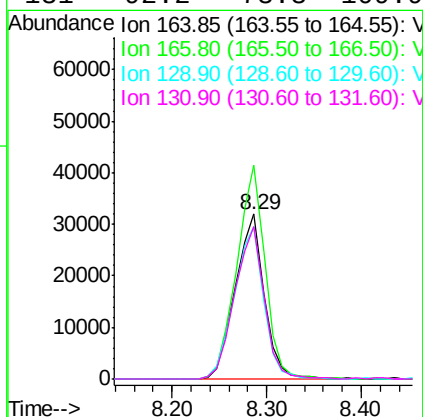
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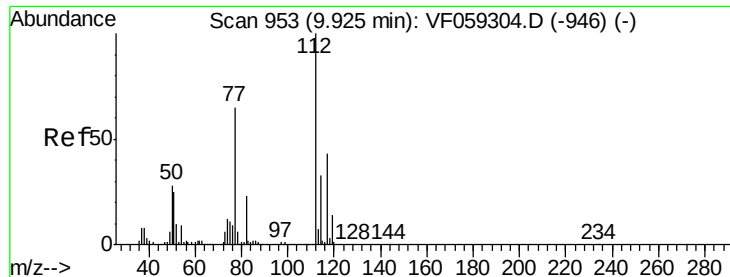
apatel
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#64
Tetrachloroethene
Concen: 23.05 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.1	151.7
129	92.3	75.0	112.4
131	92.2	73.3	109.9





#65

Chlorobenzene

Concen: 20.21 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion:112 Resp: 170190

Ion Ratio Lower Upper

112 100

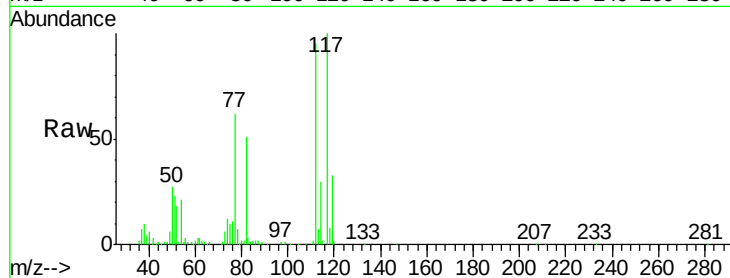
114 31.8 26.5 39.7

Manual Integrations

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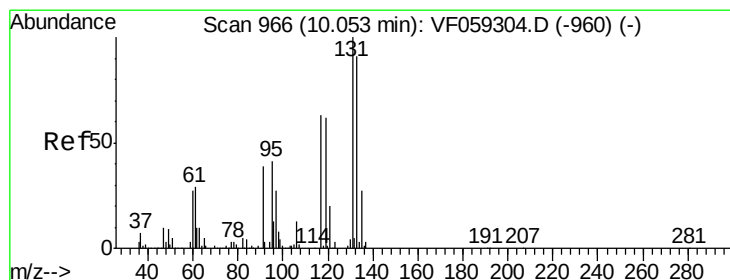
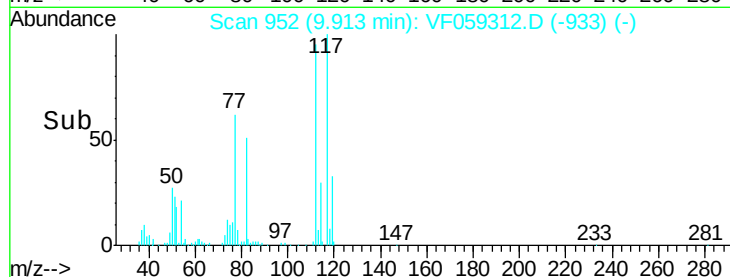
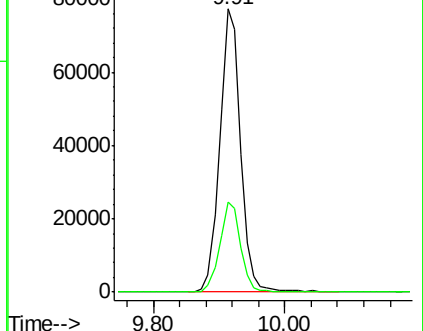
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.37 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

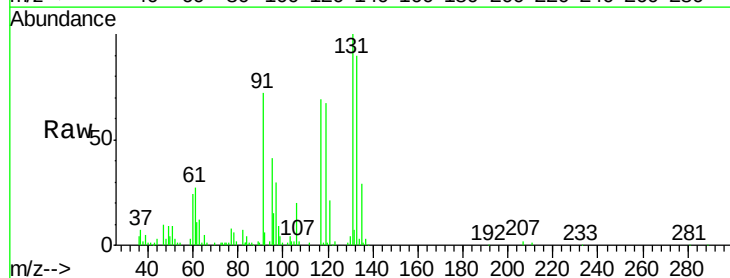
Tgt Ion:131 Resp: 74190

Ion Ratio Lower Upper

131 100

133 89.9 45.3 135.9

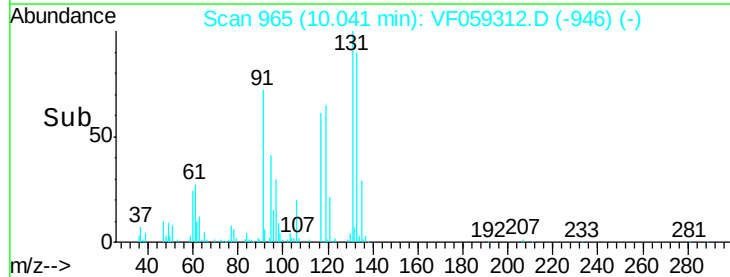
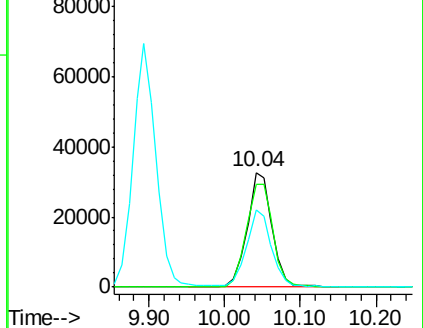
119 67.5 31.3 93.9

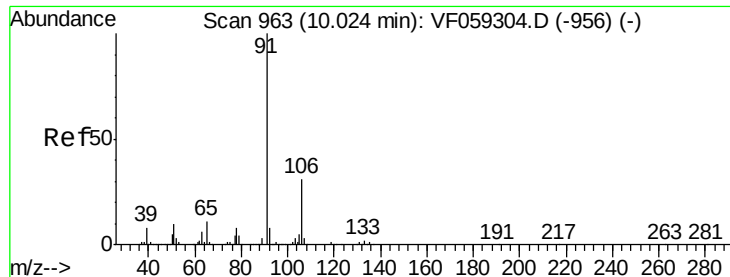


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 20.53 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 91 Resp: 293271

Ion Ratio Lower Upper

91 100

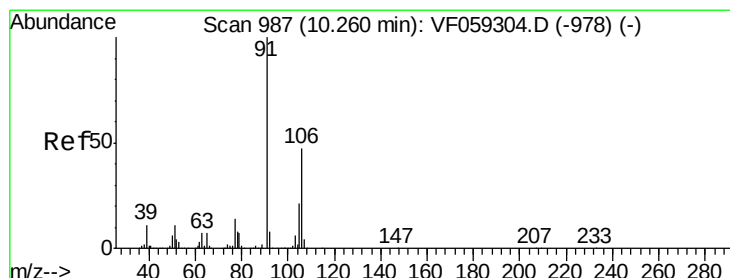
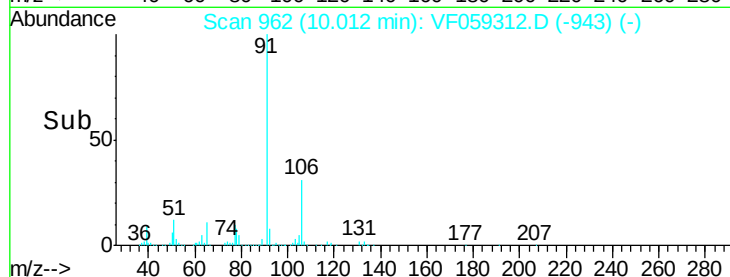
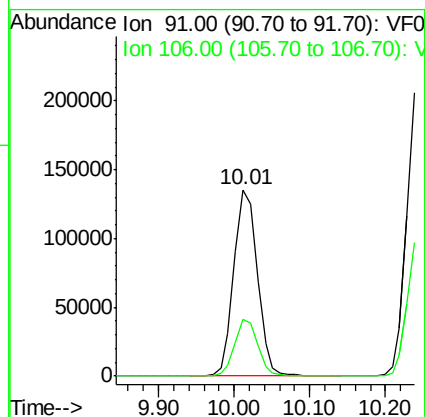
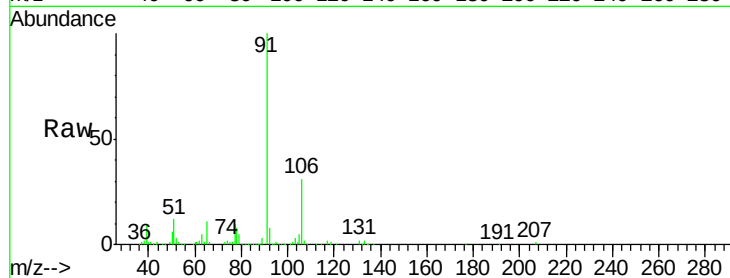
106 30.6 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 43.27 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059312.D

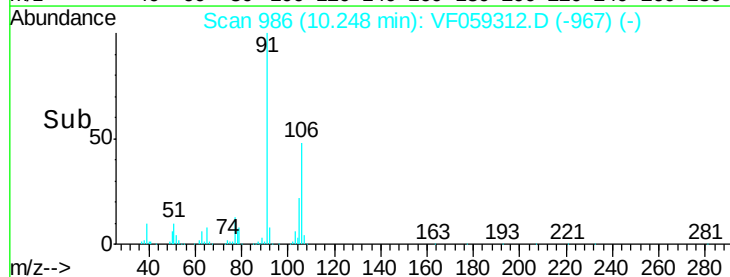
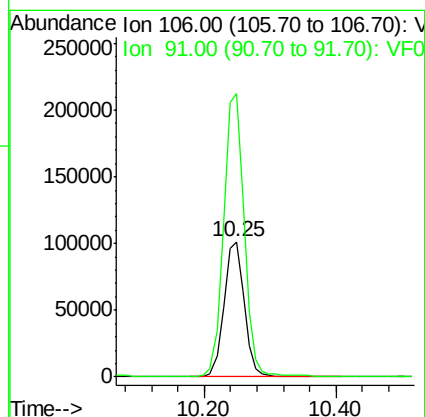
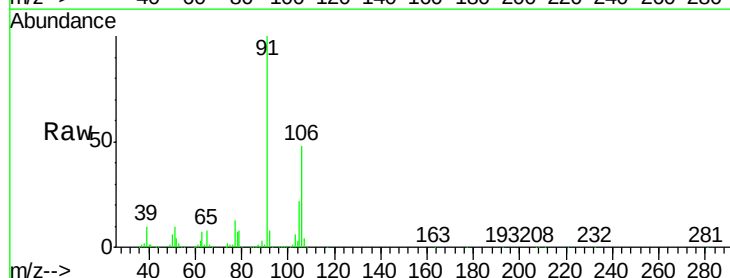
Acq: 26 Jun 2018 12:59

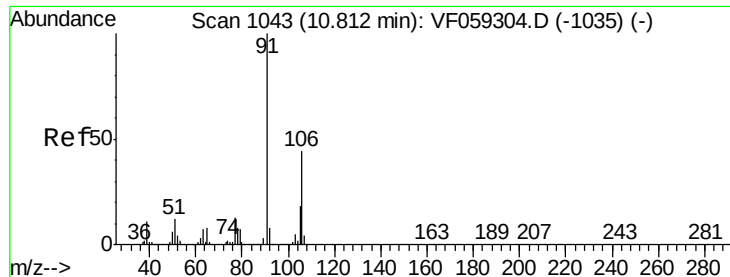
Tgt Ion: 106 Resp: 220004

Ion Ratio Lower Upper

106 100

91 208.9 170.8 256.2





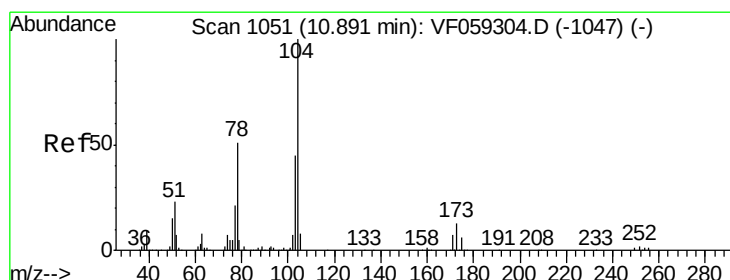
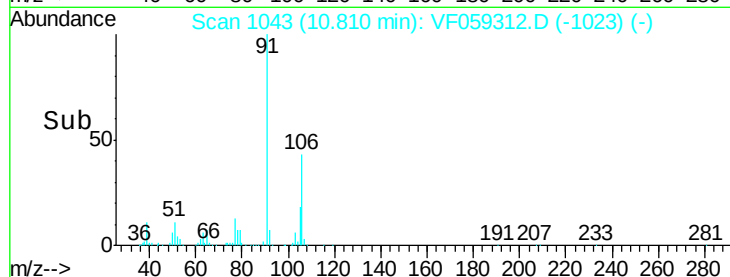
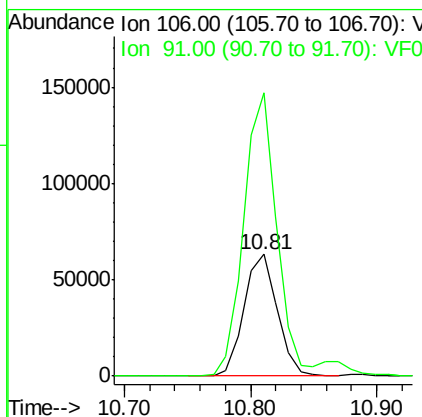
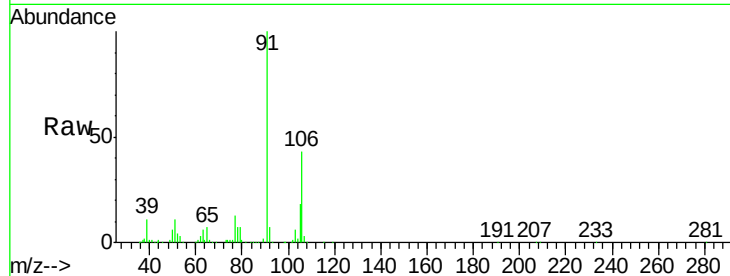
#69
o-Xylene
Concen: 20.49 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	232.2	114.6	343.6

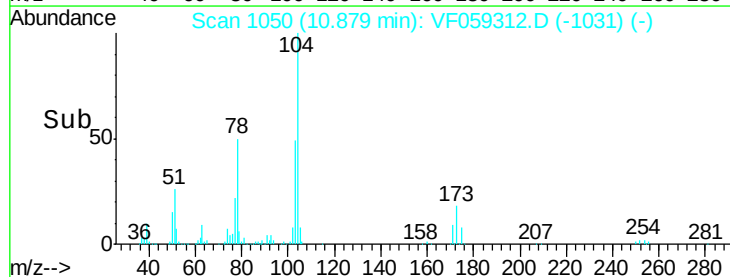
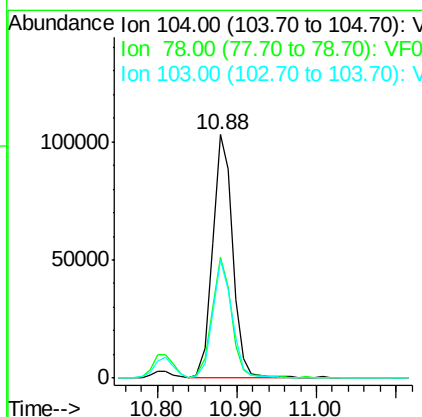
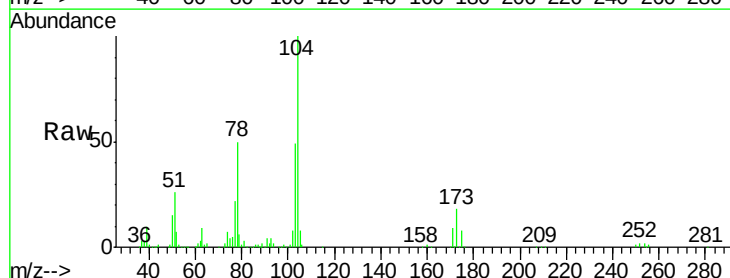
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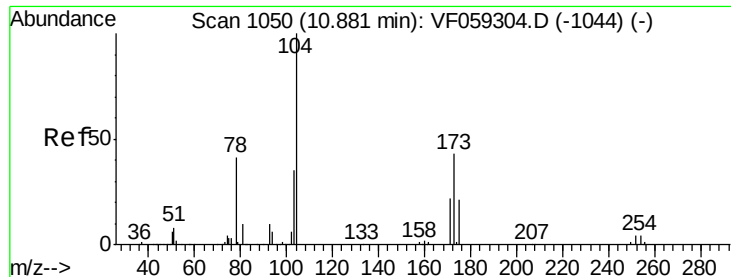
apatel
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#70
Styrene
Concen: 21.02 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	40.9	61.3
103	48.7	36.5	54.7





#71

Bromoform

Concen: 19.88 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

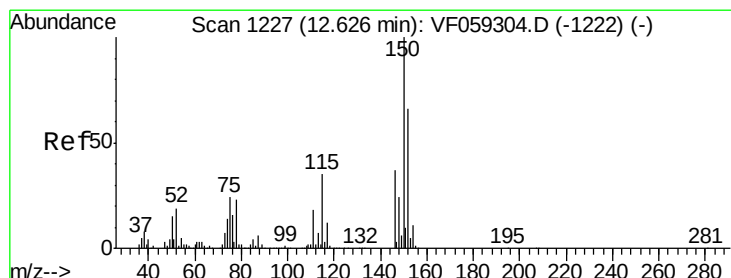
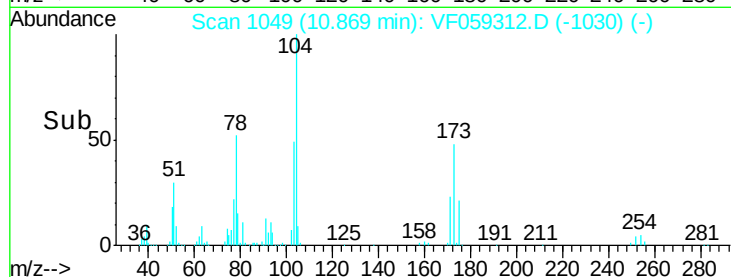
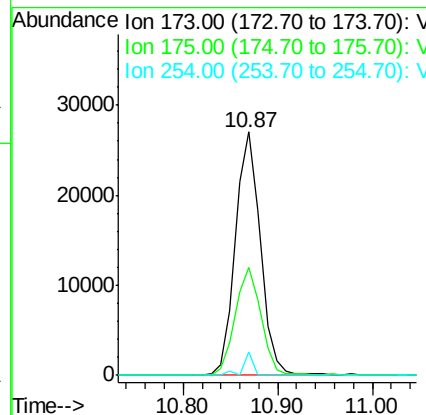
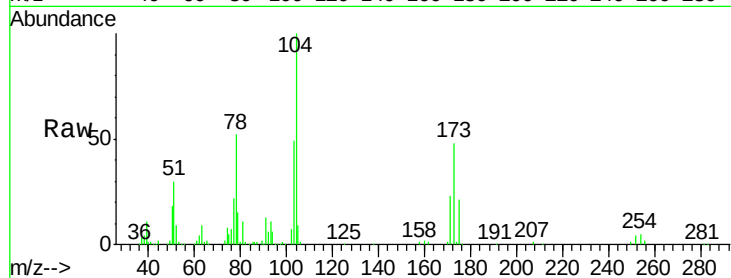
ClientSampleId :

VF0626SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	43.4	24.8	74.3
254	9.3	0.0	0.0#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

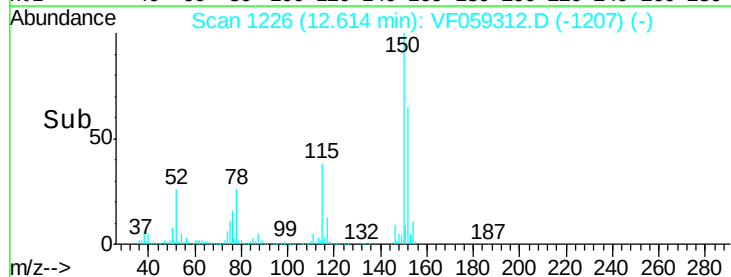
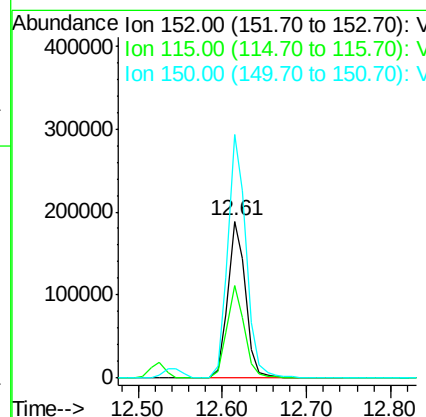
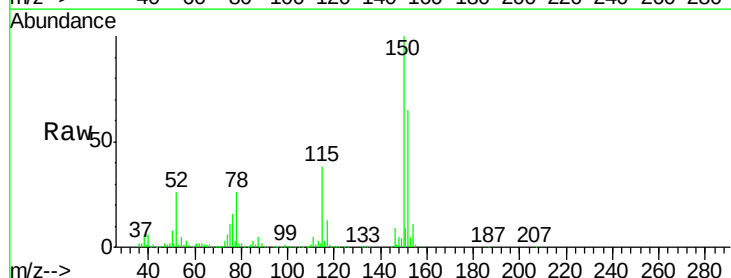
RT: 12.61 min Scan# 1226

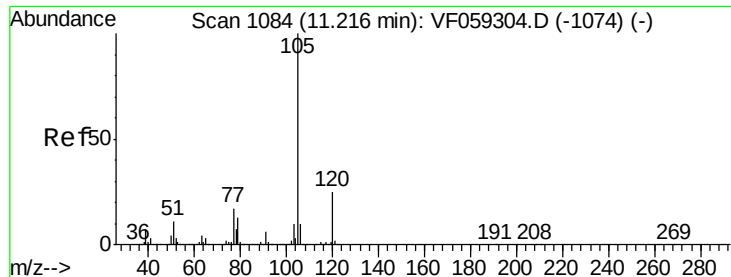
Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	27.1	81.3
150	154.9	0.0	305.2





#73

Isopropylbenzene

Concen: 21.68 ug/l

RT: 11.20 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion:105 Resp: 351797

Ion Ratio Lower Upper

105 100

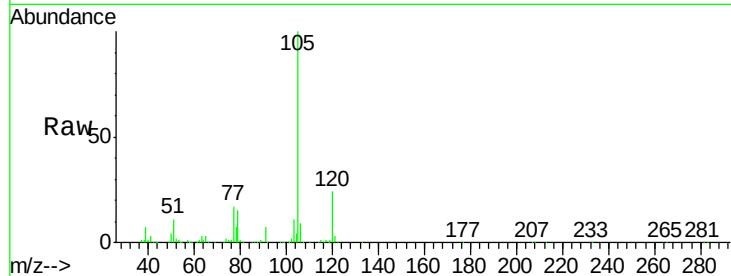
120 23.5 12.3 36.8

Manual Integrations

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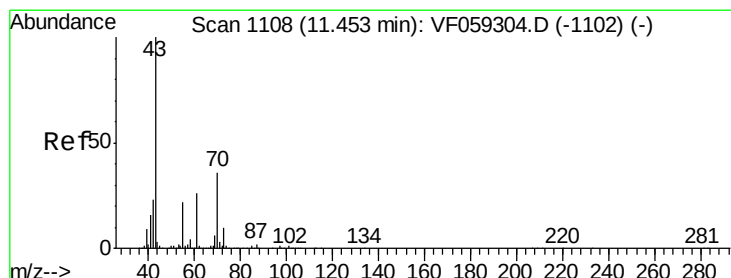
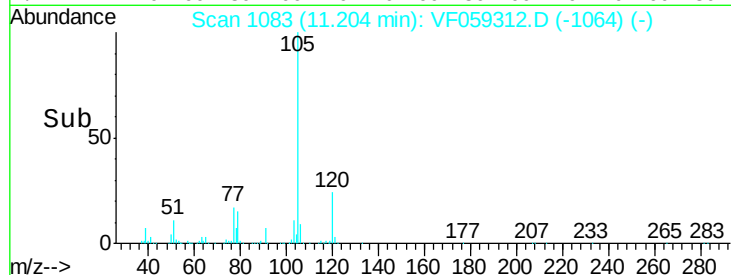
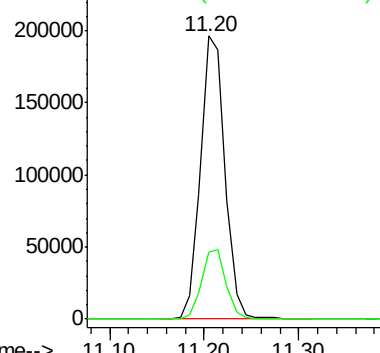
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.64 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion: 43 Resp: 115672

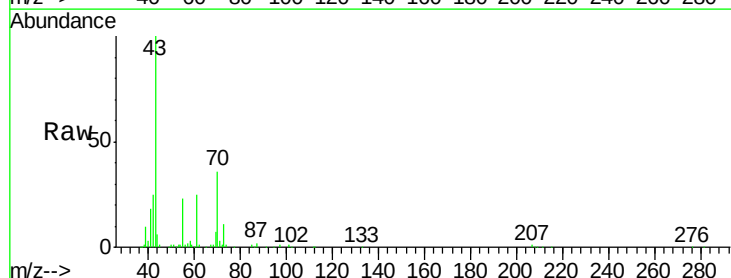
Ion Ratio Lower Upper

43 100

70 36.1 28.8 43.2

55 22.7 17.4 26.0

61 25.2 21.1 31.7

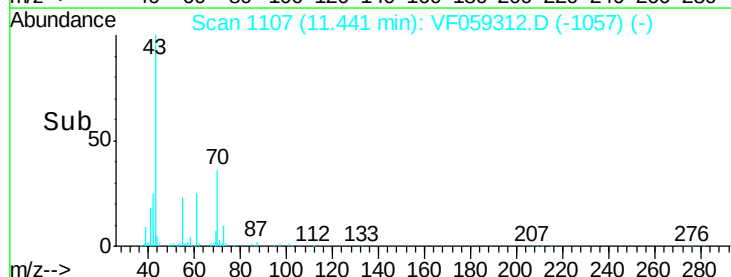
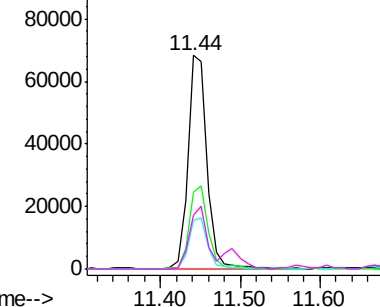


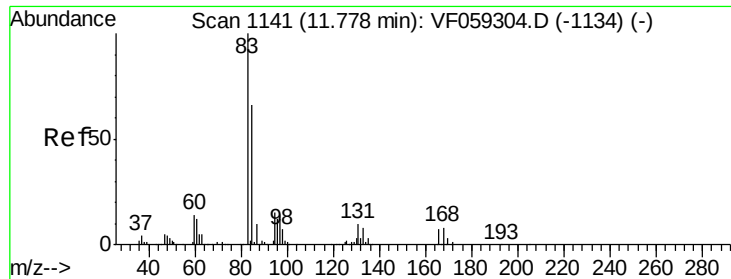
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.31 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

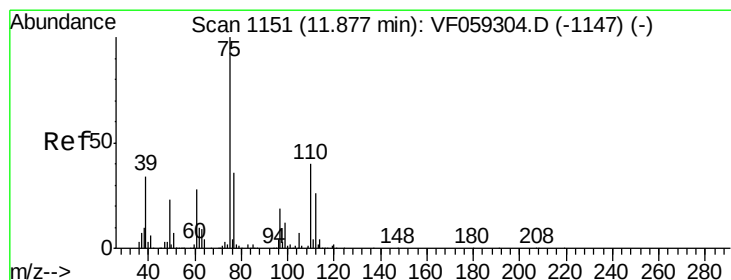
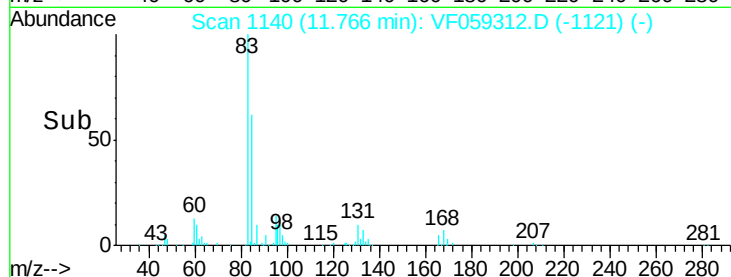
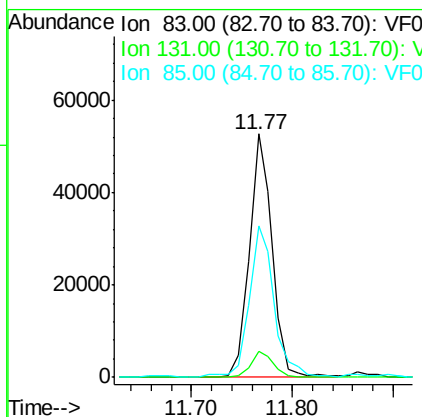
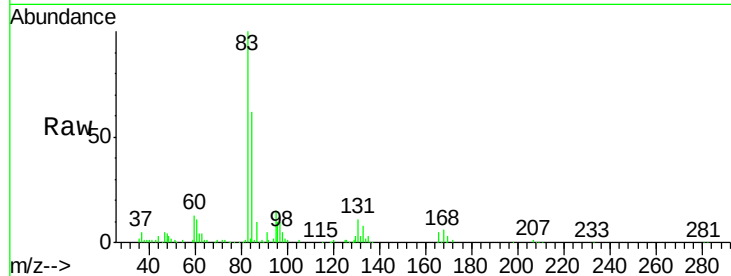
ClientSampleId :

VF0626SBS01

Tot Ion:	83	Resp:	83224
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.6
85	62.4	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.74 ug/l

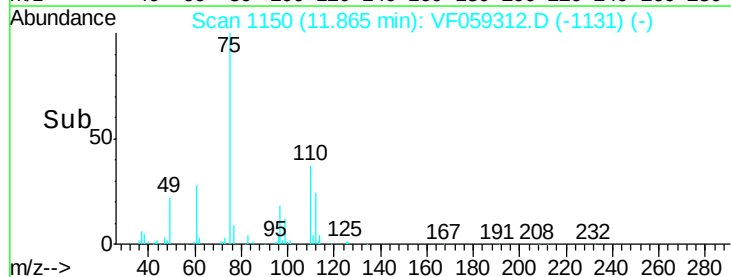
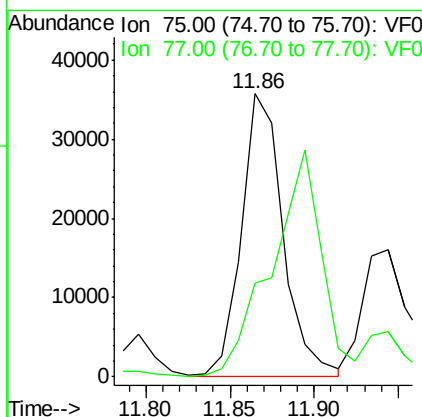
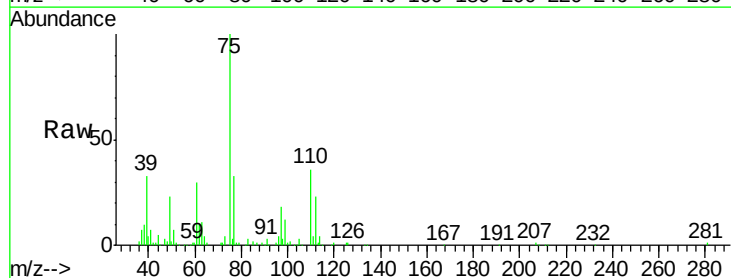
RT: 11.86 min Scan# 1150

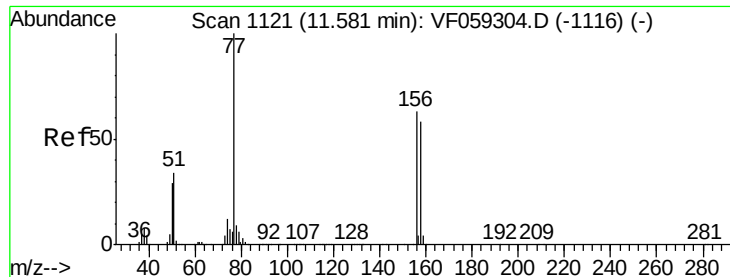
Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion:	75	Resp:	61022
Ion	Ratio	Lower	Upper
75	100		
77	33.0	18.0	54.0





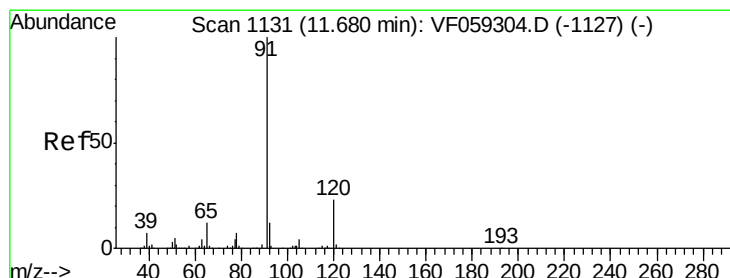
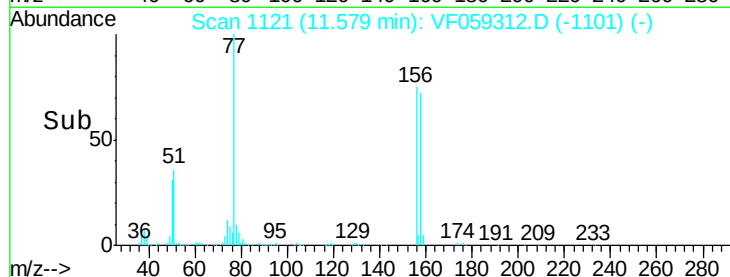
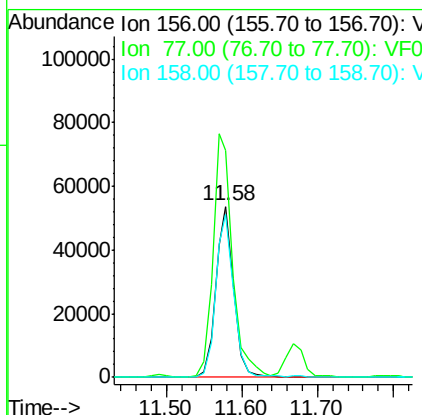
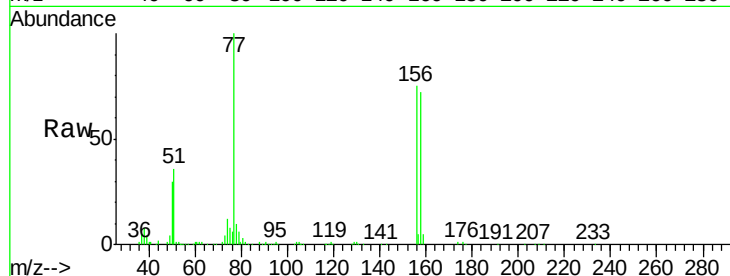
#77
Bromobenzene
Concen: 19.77 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.9	79.7	238.9
158	95.0	46.2	138.6

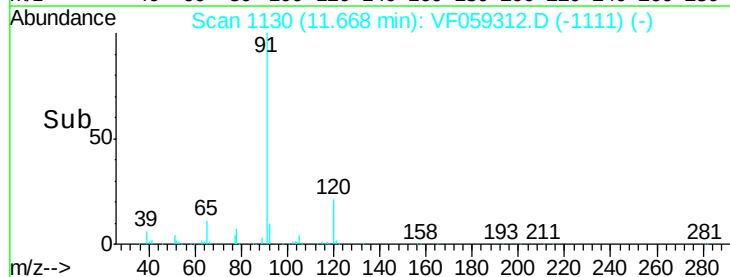
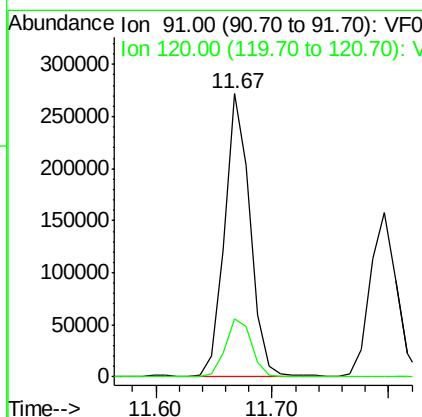
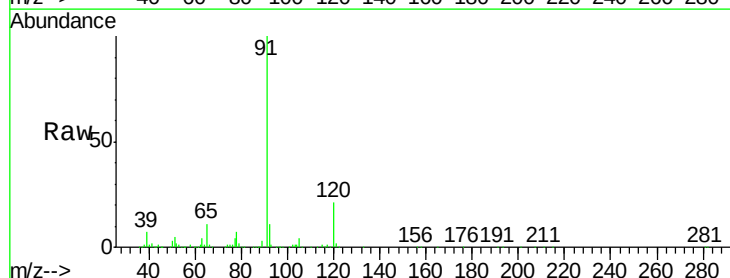
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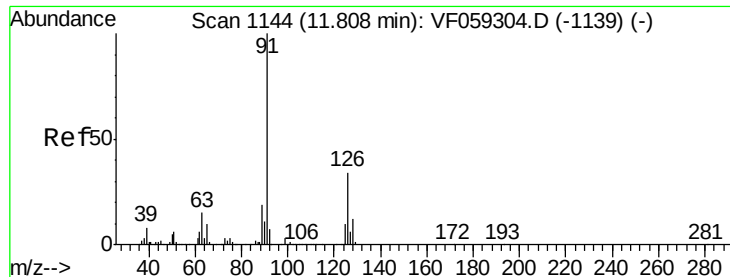
apatel
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#78
n-propylbenzene
Concen: 21.05 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	11.7	35.0





#79

2-Chlorotoluene

Concen: 20.84 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 91 Resp: 248104

Ion Ratio Lower Upper

91 100

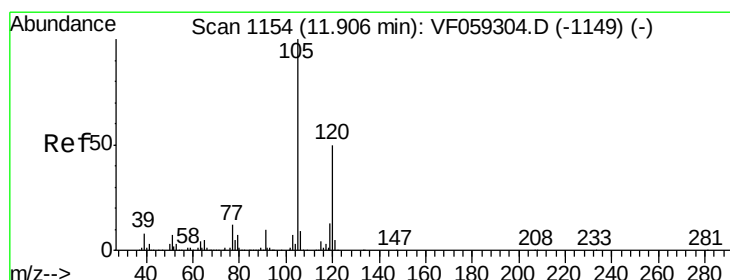
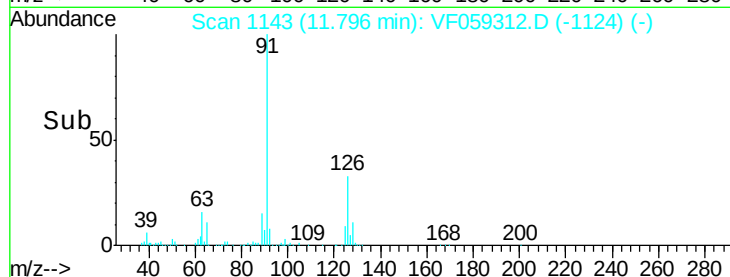
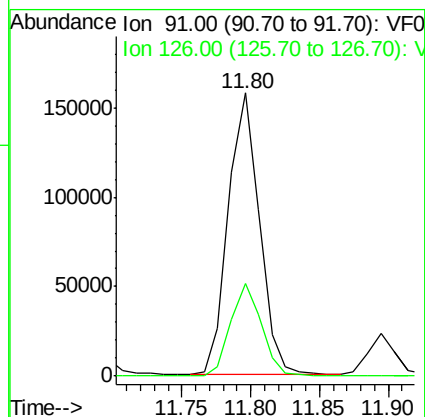
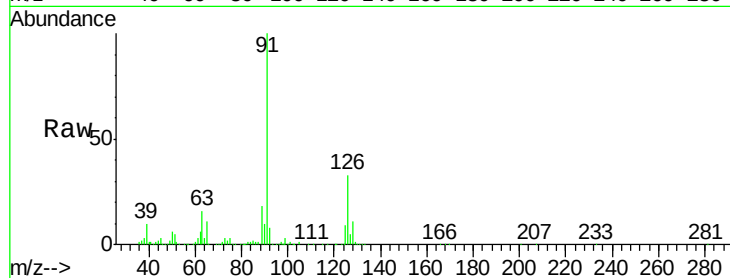
126 32.6 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 21.50 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059312.D

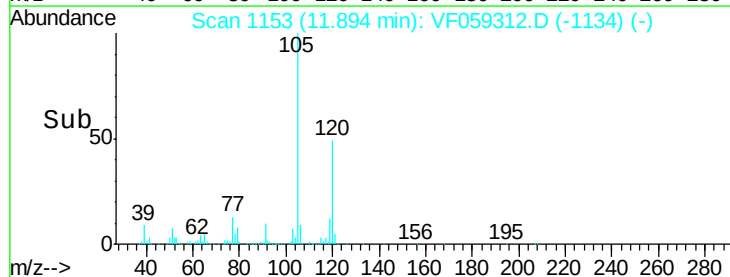
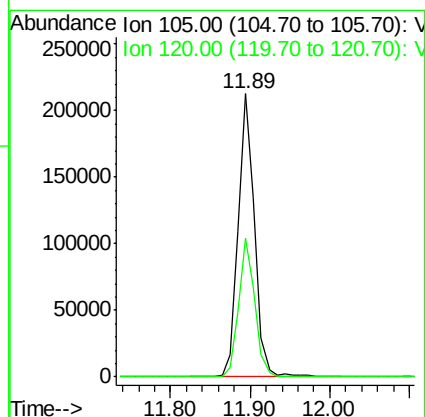
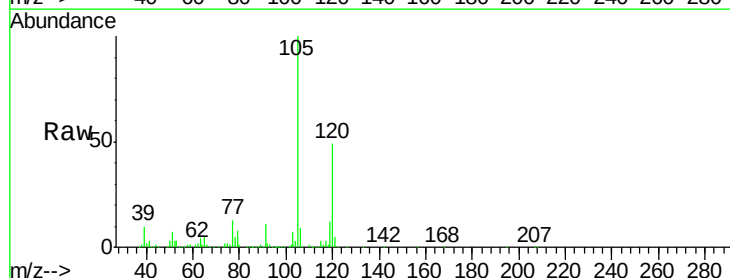
Acq: 26 Jun 2018 12:59

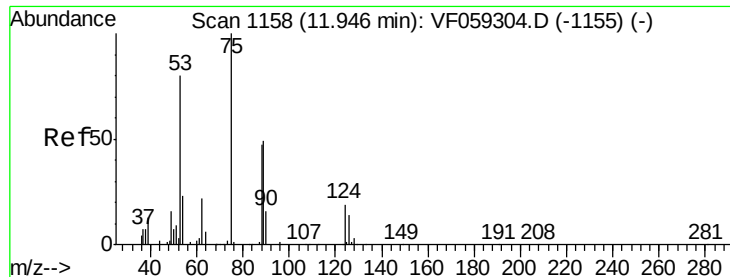
Tgt Ion: 105 Resp: 305606

Ion Ratio Lower Upper

105 100

120 49.0 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.67 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

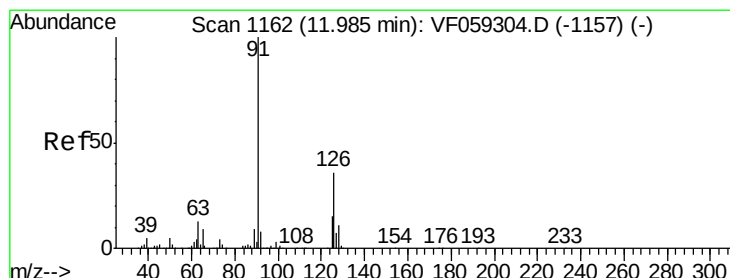
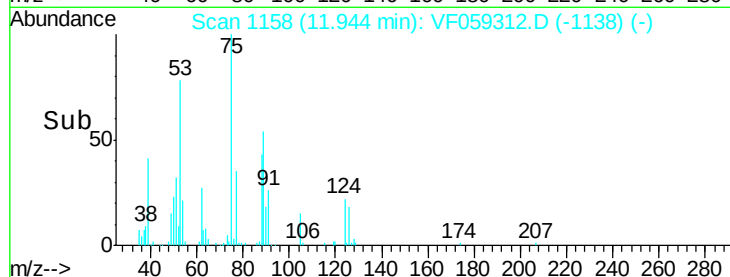
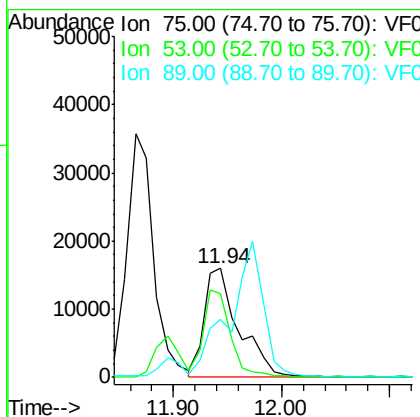
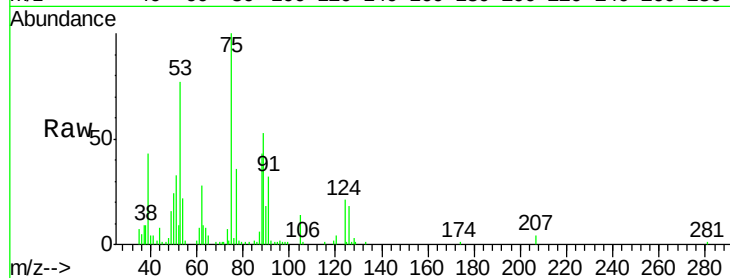
ClientSampleId :

VF0626SBS01

Tot Ion:	75	Resp:	36189
Ion	Ratio	Lower	Upper
75	100		
53	76.7	68.8	103.2
89	53.0	42.0	63.0

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#82

4-Chlorotoluene

Concen: 21.17 ug/l

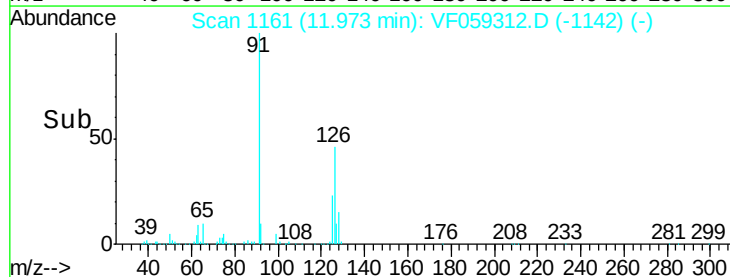
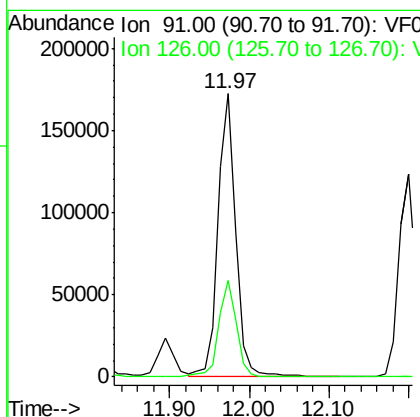
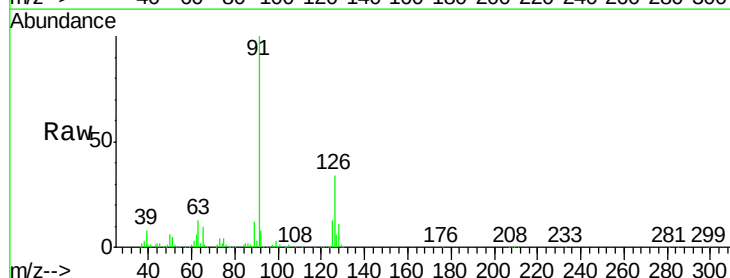
RT: 11.97 min Scan# 1161

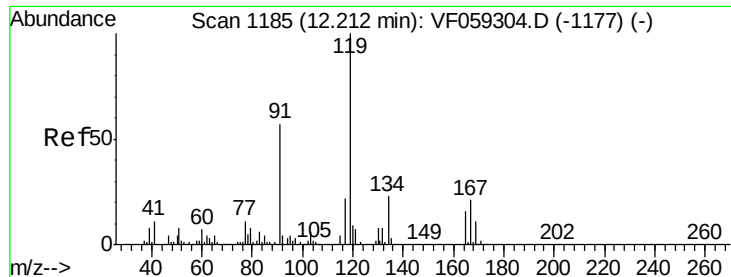
Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion:	91	Resp:	270041
Ion	Ratio	Lower	Upper
91	100		
126	34.0	18.2	54.6





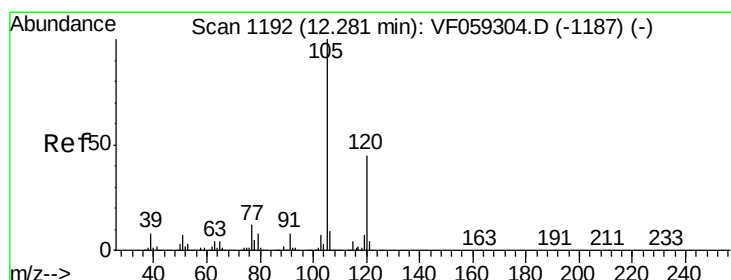
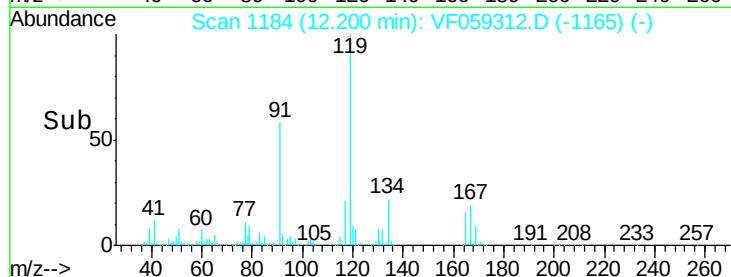
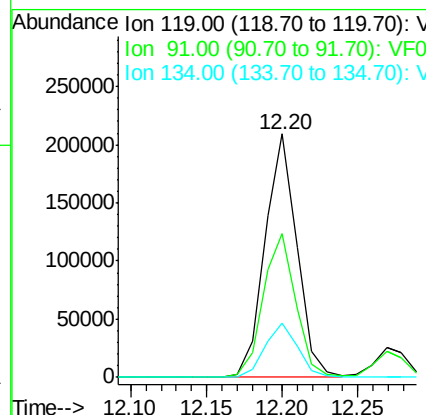
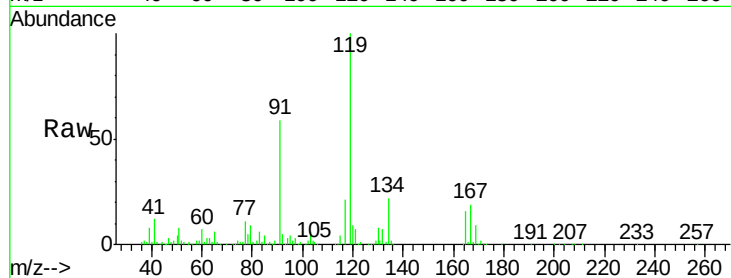
#83
 tert-Butylbenzene
 Concen: 21.75 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	309290		
91	59.0		28.4	85.2
134	22.0		11.7	35.1

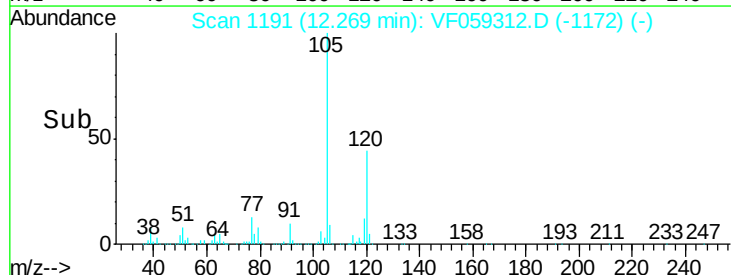
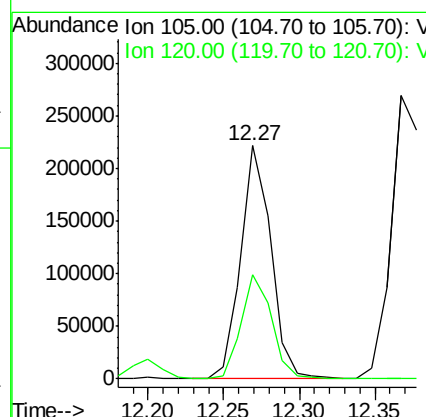
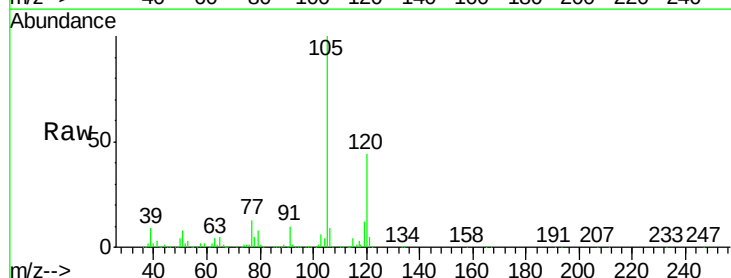
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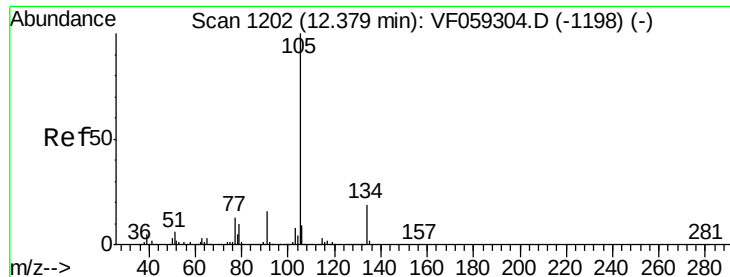
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.51 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	307006		
120	44.5		22.8	68.4





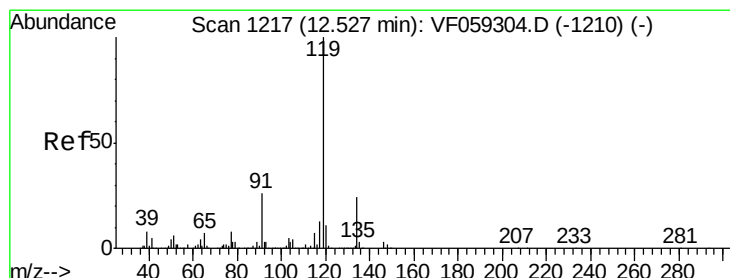
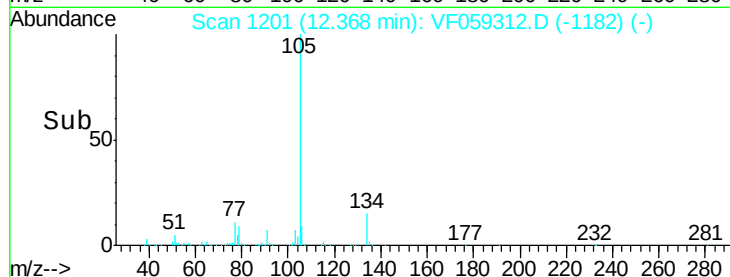
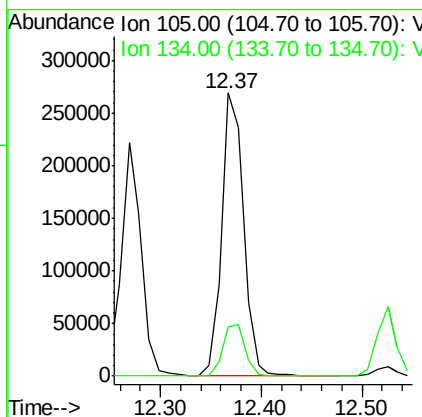
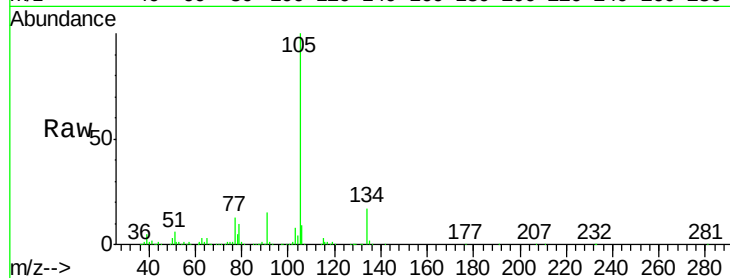
#85
 sec-Butylbenzene
 Concen: 21.57 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	406549		
134	17.5	9.4	28.3	

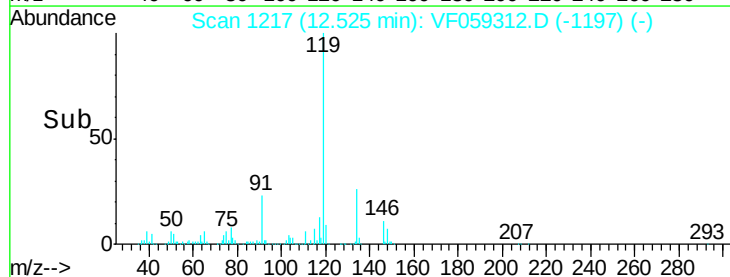
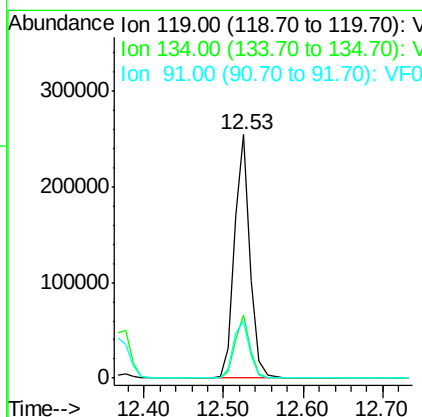
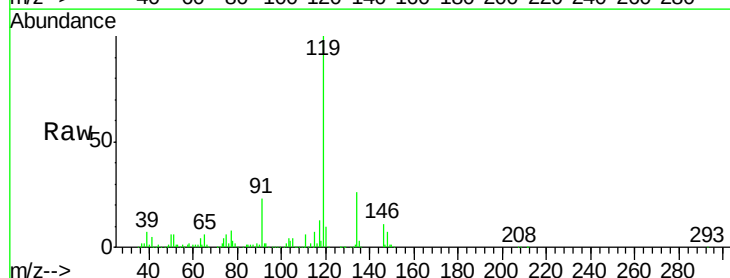
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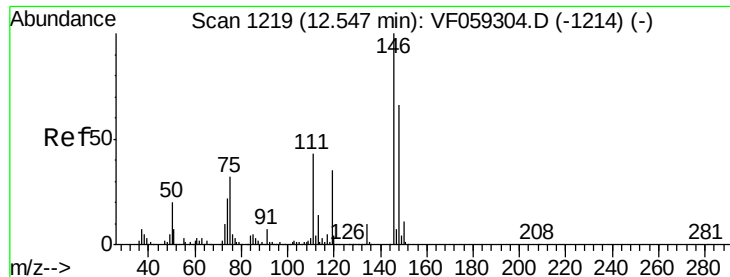
apatel
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#86
 p-Isopropyltoluene
 Concen: 21.98 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	347572		
134	25.8	12.2	36.4	
91	23.5	12.9	38.6	





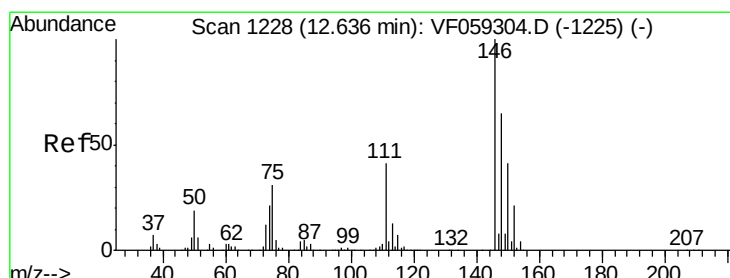
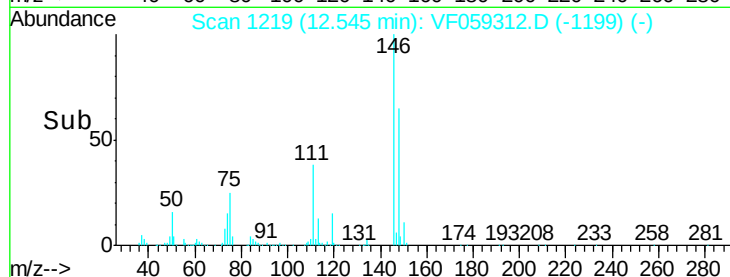
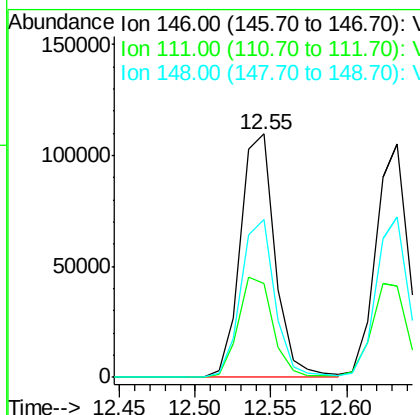
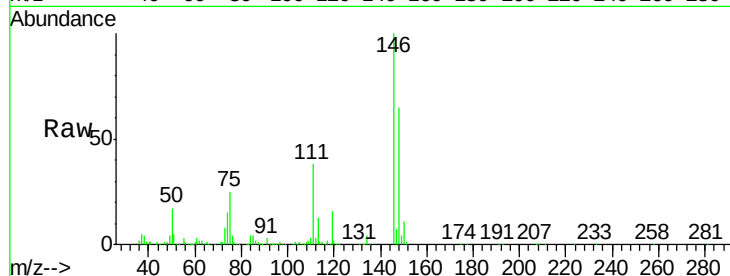
#87
 1,3-Dichlorobenzene
 Concen: 20.84 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Instrument :
 MSVOA_F
 ClientSampled :
 VF0626SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.4	64.2
148	64.7	32.8	98.4

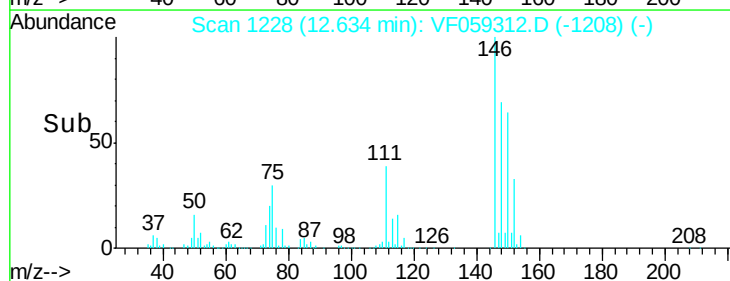
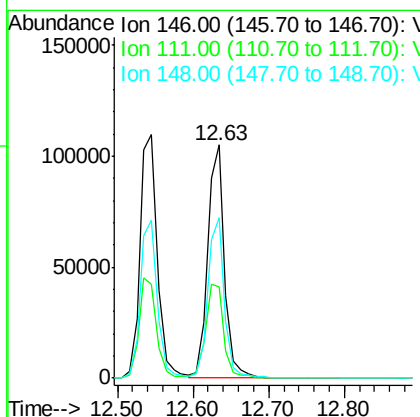
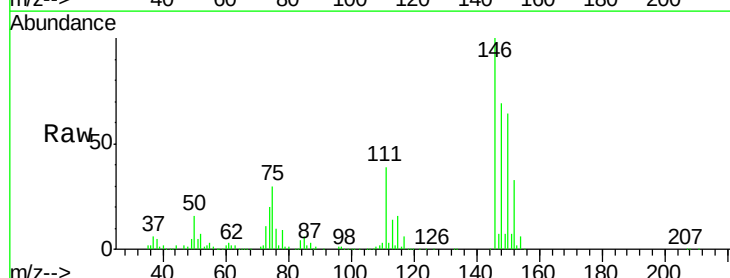
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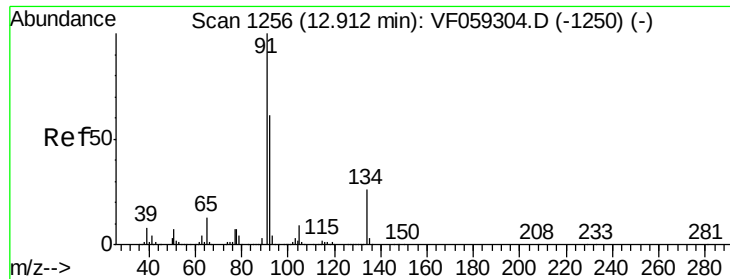
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.32 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.7	62.1
148	68.6	32.8	98.3





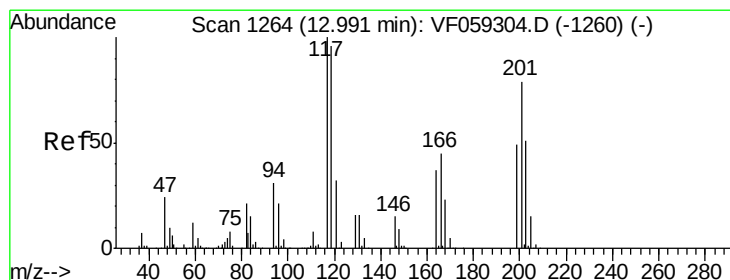
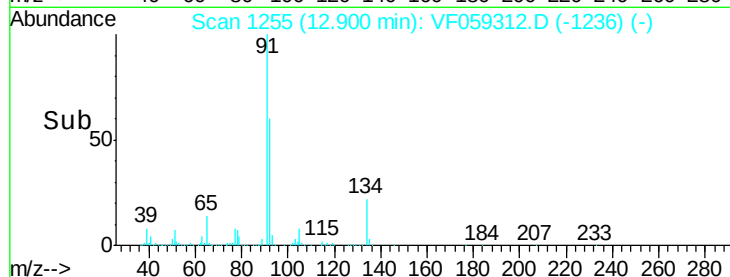
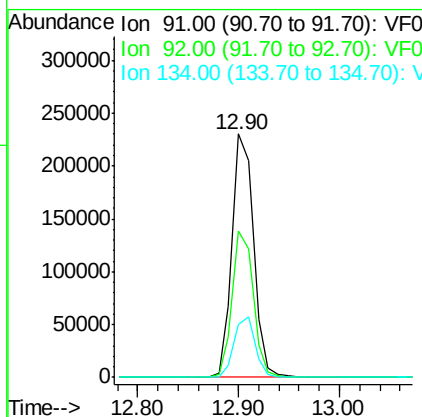
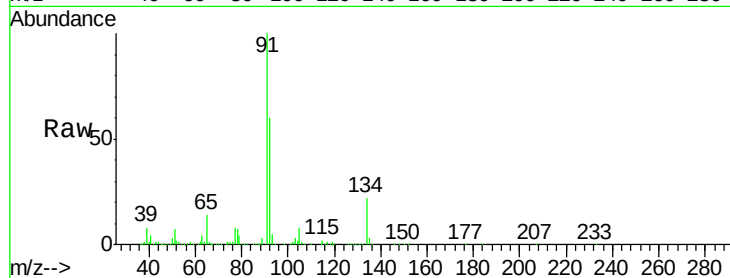
#89
n-Butylbenzene
Concen: 21.27 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.2	30.3	91.0
134	21.8	12.9	38.7

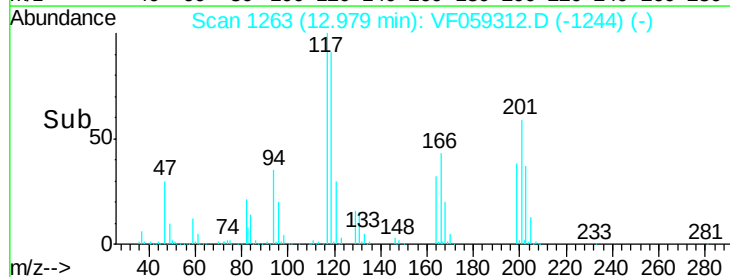
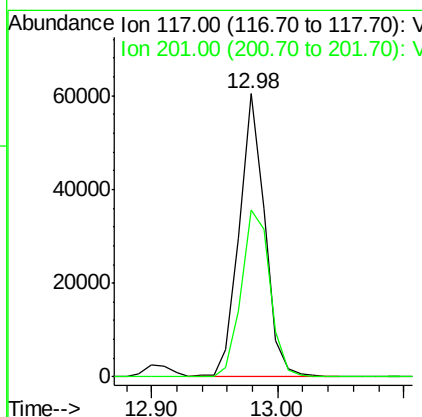
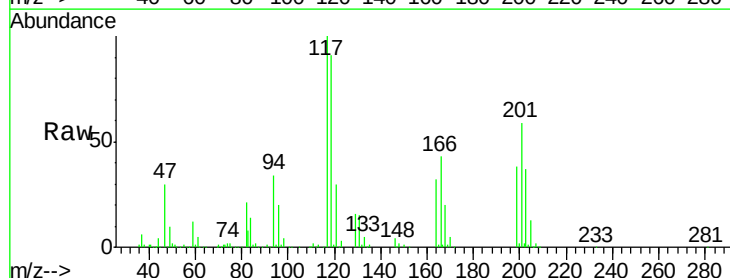
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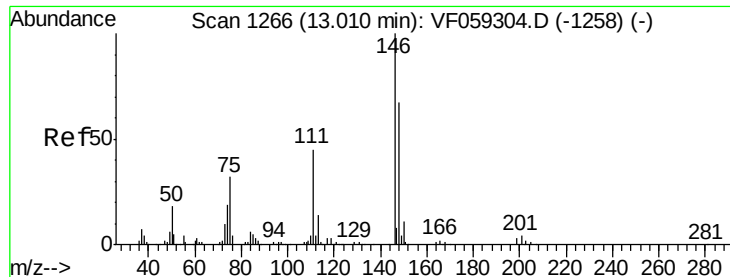
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#90
Hexachloroethane
Concen: 21.49 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.1	39.5	118.5





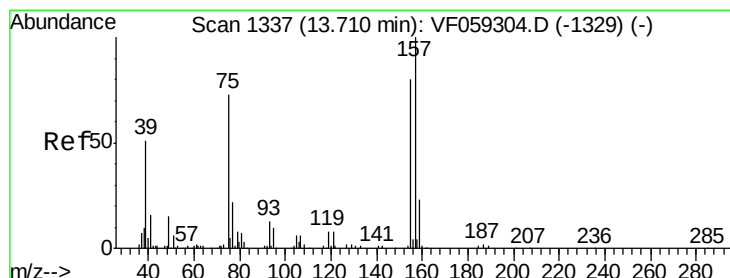
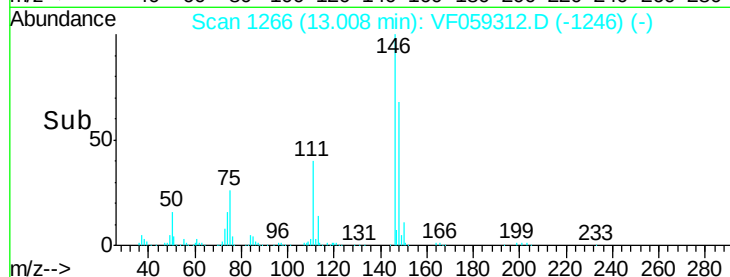
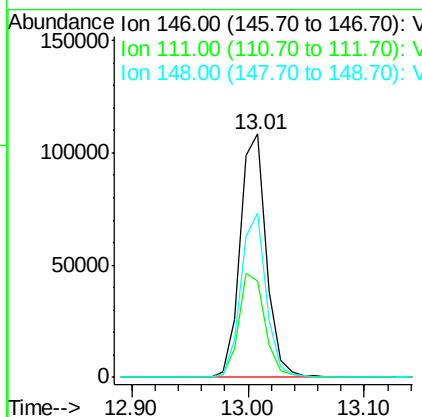
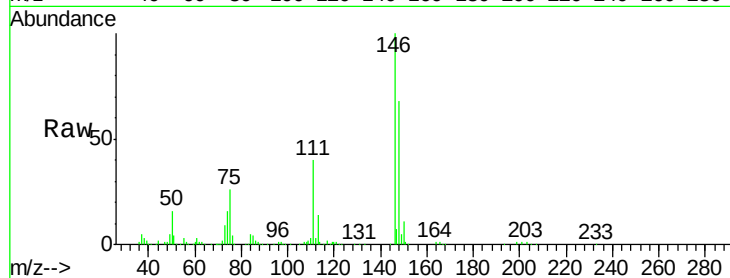
#91
 1,2-Dichlorobenzene
 Concen: 20.66 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168907		
111	39.8	22.7	68.0	
148	67.7	33.5	100.4	

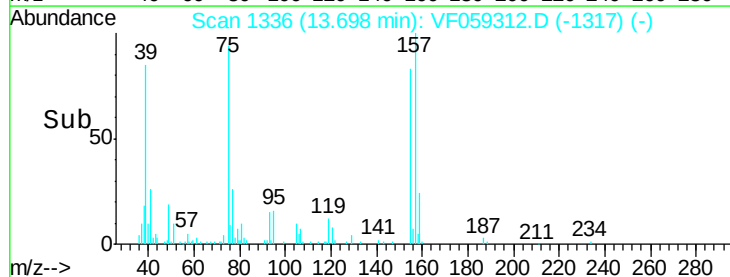
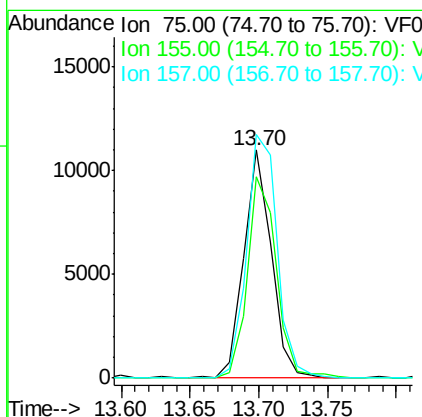
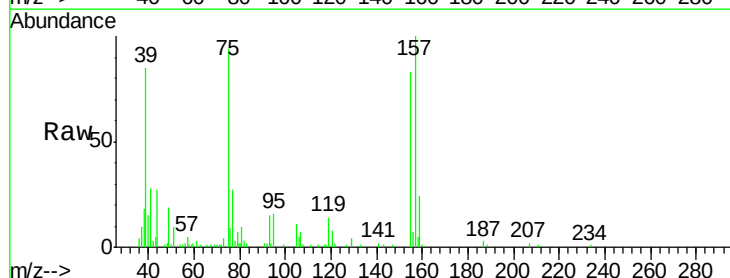
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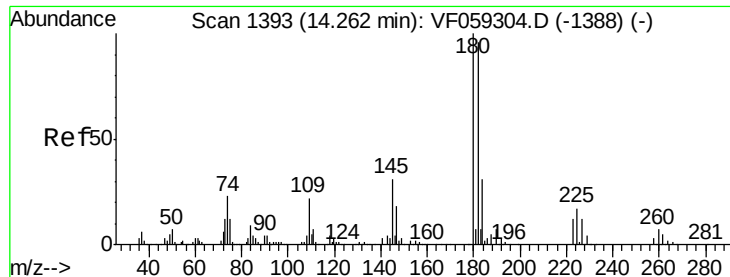
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.98 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15425		
155	88.5	54.6	163.8	
157	106.9	68.7	205.9	





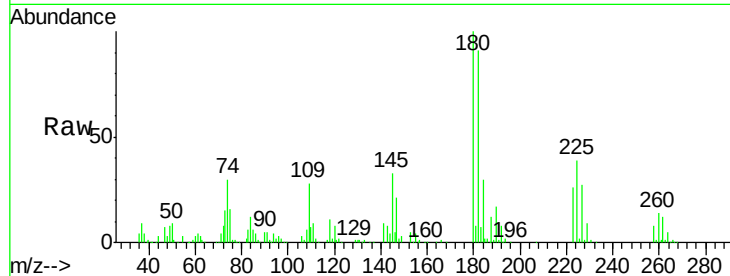
#93
 1,2,4-Trichlorobenzene
 Concen: 21.18 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

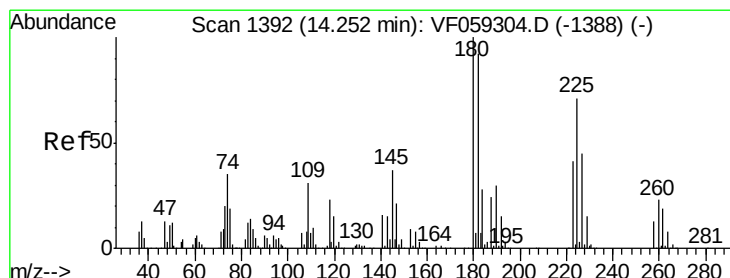
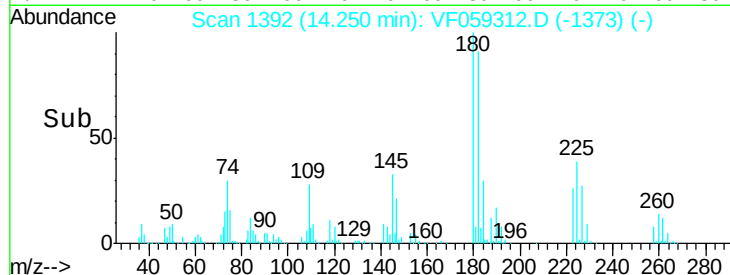
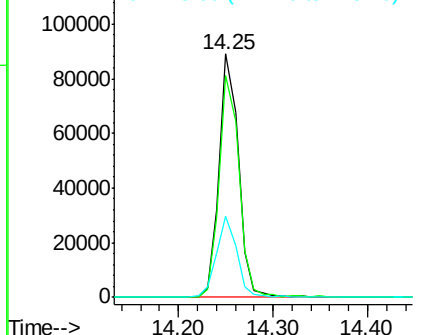
Tot Ion	Ratio	Resp	Lower	Upper
180	100	127995		
182	91.4	48.1	144.3	
145	33.5	15.3	45.8	

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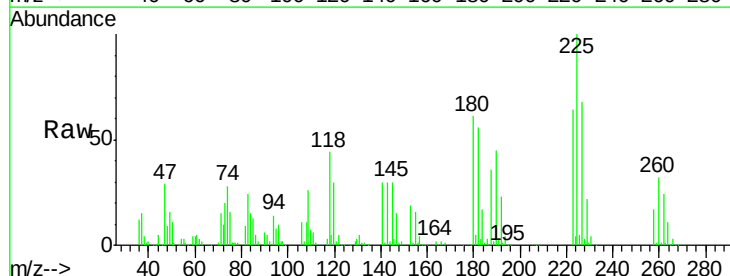


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

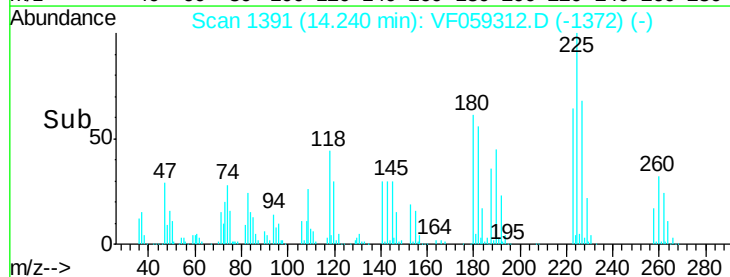
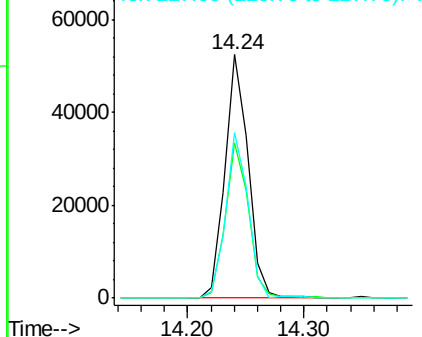


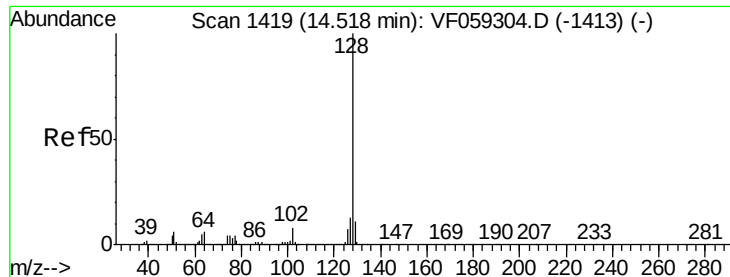
#94
 Hexachlorobutadiene
 Concen: 21.38 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72185		
223	63.7	28.9	86.8	
227	68.1	31.3	93.8	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 19.73 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

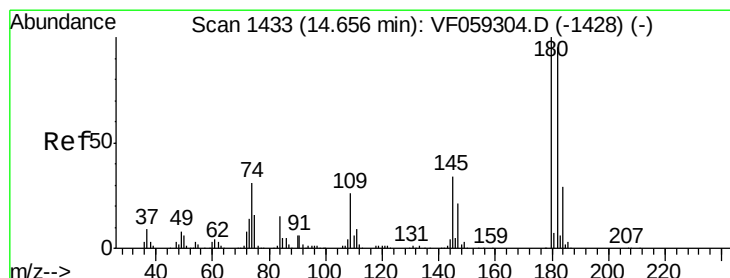
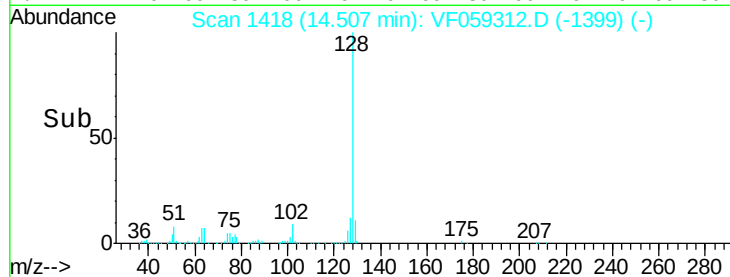
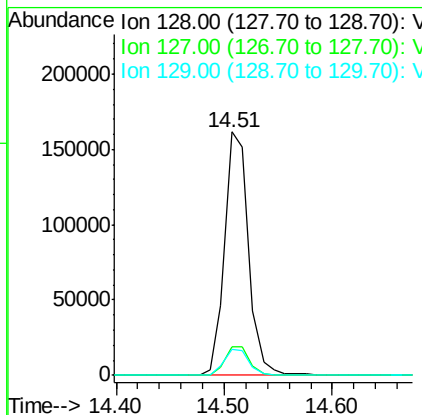
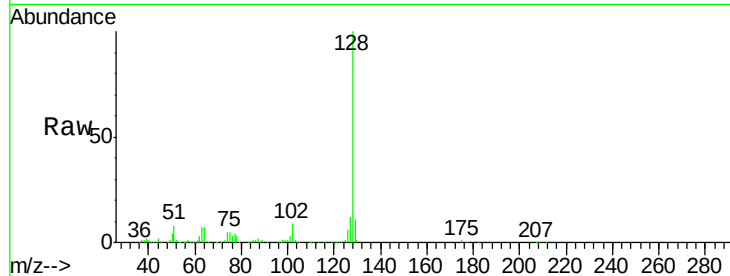
ClientSampleId :

VF0626SBS01

Tot Ion:	128	Resp:	249507
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.1	15.1
129	10.7	8.8	13.2

Manual Integrations
APPROVED

apatel
6/27/2018 2:01:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.87 ug/l

RT: 14.65 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion:	180	Resp:	119473
Ion Ratio	Lower	Upper	
180	100		
182	90.5	47.5	142.5
145	31.5	17.0	50.9

