

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059272.D
 Acq On : 21 Jun 2018 20:55
 Operator : VA/AP
 Sample : VF0621SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0621SBS01

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:54 AM

Quant Time: Jun 22 07:27:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	255433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	376043	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	394091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	239857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	176597	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	4.29	113	155018	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	7.70	98	383951	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.51	95	211128	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	59267	19.93	ug/l	100
3) Chloromethane	1.09	50	36345	19.40	ug/l	95
4) Vinyl Chloride	1.15	62	36382	19.59	ug/l	98
5) Bromomethane	1.33	94	24507	18.47	ug/l #	77
6) Chloroethane	1.43	64	16602	18.32	ug/l	95
7) Trichlorofluoromethane	1.48	101	71612m	19.69	ug/l	
8) Diethyl Ether	1.70	74	16635	20.32	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.89	101	41714	20.55	ug/l #	91
10) Methyl Iodide	1.96	142	71464	19.26	ug/l	92
11) Tert butyl alcohol	2.68	59	20967	98.14	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	35168	19.43	ug/l	91
13) Acrolein	2.09	56	18604	106.97	ug/l	97
14) Allyl chloride	2.18	41	64353	19.26	ug/l #	85
15) Acrylonitrile	3.07	53	51103	145.70	ug/l	91
16) Acetone	2.34	43	72673	83.86	ug/l	99
17) Carbon Disulfide	1.86	76	82548	18.77	ug/l	96
18) Methyl Acetate	2.45	43	27821	17.03	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	121774	20.05	ug/l #	91
20) Methylene Chloride	2.27	84	38289m	20.74	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	35564	18.82	ug/l	94
22) Diisopropyl ether	2.92	45	145265	20.95	ug/l #	96
23) Vinyl Acetate	3.33	43	469764	105.93	ug/l	99
24) 1,1-Dichloroethane	3.00	63	88984	19.80	ug/l	99
25) 2-Butanone	4.51	43	108375	93.75	ug/l	96
26) 2,2-Dichloropropane	3.75	77	64404	20.56	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	58393	20.34	ug/l	98
28) Bromochloromethane	3.89	49	42337	22.61	ug/l	98
29) Tetrahydrofuran	4.26	42	46945	90.45	ug/l	98
30) Chloroform	4.03	83	129425	19.89	ug/l	97
31) Cyclohexane	3.87	56	63850	20.64	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	98978	20.14	ug/l	97
36) 1,1-Dichloropropene	4.46	75	82040	20.76	ug/l	97
37) Ethyl Acetate	4.28	43	51776	20.50	ug/l	97
38) Carbon Tetrachloride	4.16	117	100930	20.79	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	78570	22.22	ug/l	95
40) Benzene	4.80	78	185805	22.16	ug/l	95
41) Methacrylonitrile	4.91	41	23359	19.36	ug/l #	92
42) 1,2-Dichloroethane	5.12	62	101149	20.94	ug/l	96
43) Isopropyl Acetate	7.11	43	62721	20.27	ug/l	92
44) Trichloroethene	5.66	130	58889	20.27	ug/l	91
45) 1,2-Dichloropropane	6.40	63	51014	20.85	ug/l	92
46) Dibromomethane	6.25	93	43173	20.91	ug/l	93
47) Bromodichloromethane	6.55	83	104477	21.14	ug/l	100
48) Methyl methacrylate	6.86	41	40880	20.87	ug/l	92
49) 1,4-Dioxane	6.87	88	4547	400.25	ug/l #	76
51) 4-Methyl-2-Pentanone	8.40	43	229447	103.98	ug/l	97
52) Toluene	7.78	92	134408	20.77	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	96782	20.85	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	100957	20.60	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	52753	21.12	ug/l	98
56) Ethyl methacrylate	8.75	69	55952	19.59	ug/l	95
57) 1,3-Dichloropropane	8.99	76	86149	20.85	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	24831	108.71	ug/l	100
59) 2-Hexanone	9.62	43	173415	99.13	ug/l	99
60) Dibromochloromethane	8.86	129	74228	20.19	ug/l	96
61) 1,2-Dibromoethane	9.13	107	59712	20.75	ug/l	96
64) Tetrachloroethene	8.30	164	62137	20.53	ug/l	95
65) Chlorobenzene	9.94	112	173509	20.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	70111	20.07	ug/l	97
67) Ethyl Benzene	10.04	91	284065	19.95	ug/l	99
68) m/p-Xylenes	10.26	106	218298	42.66	ug/l	93
69) o-Xylene	10.82	106	116180	20.56	ug/l	93
70) Styrene	10.89	104	177318	20.81	ug/l	99
71) Bromoform	10.88	173	45722	18.35	ug/l	98
73) Isopropylbenzene	11.23	105	362734	21.95	ug/l	100
74) N-amyl acetate	11.46	43	114941	21.31	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	78974	20.37	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	57962	20.42	ug/l	95
77) Bromobenzene	11.59	156	87188	19.53	ug/l	91
78) n-propylbenzene	11.68	91	427134	21.85	ug/l	96
79) 2-Chlorotoluene	11.81	91	241127	20.57	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	289830	20.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	34238	18.83	ug/l #	86
82) 4-Chlorotoluene	11.99	91	259218	20.59	ug/l	96
83) tert-Butylbenzene	12.21	119	300916	21.28	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	310668	21.11	ug/l	99
85) sec-Butylbenzene	12.38	105	391372	20.74	ug/l	99
86) p-Isopropyltoluene	12.54	119	347921	22.36	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	168036	20.99	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	163164	20.64	ug/l	98
89) n-Butylbenzene	12.91	91	352880	22.27	ug/l	94
90) Hexachloroethane	12.99	117	80308	20.65	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	159505	20.09	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16744	20.00	ug/l	88

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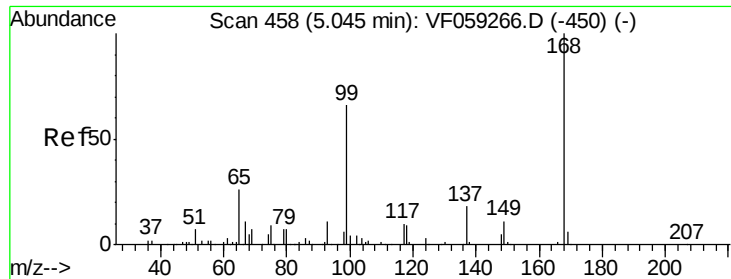
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	122325	21.10	ug/l	98
94) Hexachlorobutadiene	14.26	225	70994	20.66	ug/l	100
95) Naphthalene	14.52	128	242267	20.35	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	110851	20.32	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

VF0621SBS01

Tot Ion:168 Resp: 255433

Ion Ratio Lower Upper

168 100

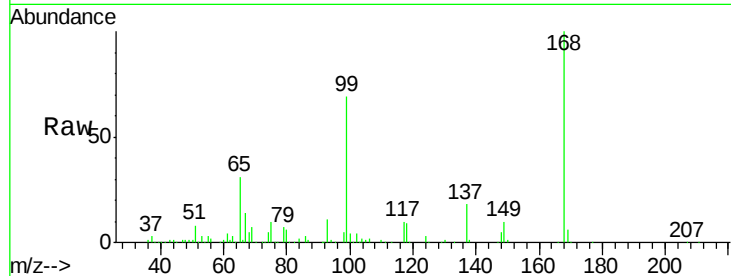
99 69.2 52.6 78.8

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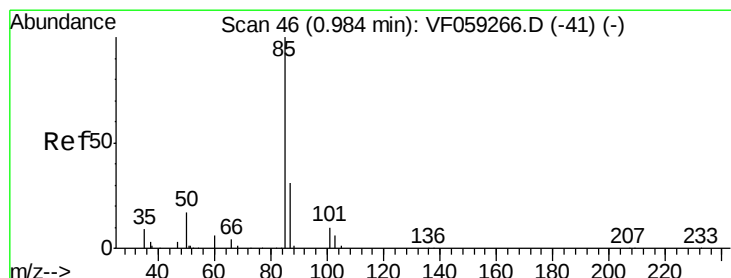
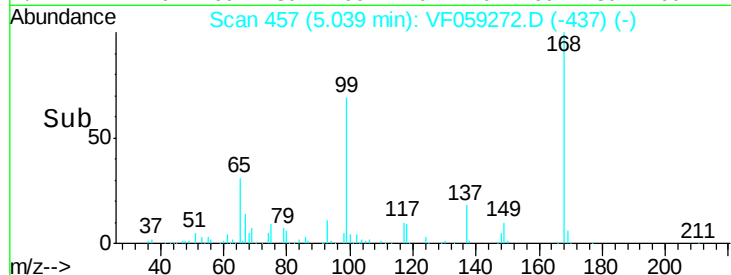


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

Time-->



#2

Dichlorodifluoromethane

Concen: 19.93 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059272.D

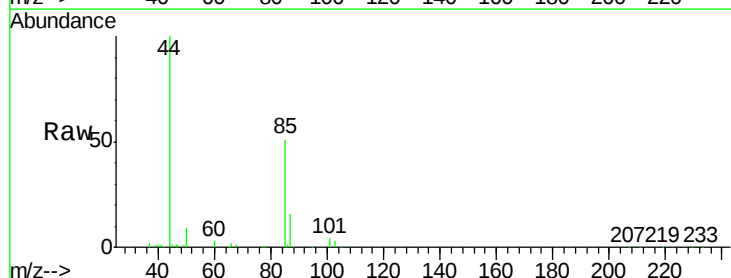
Acq: 21 Jun 2018 20:55

Tgt Ion: 85 Resp: 59267

Ion Ratio Lower Upper

85 100

87 31.3 15.6 46.7

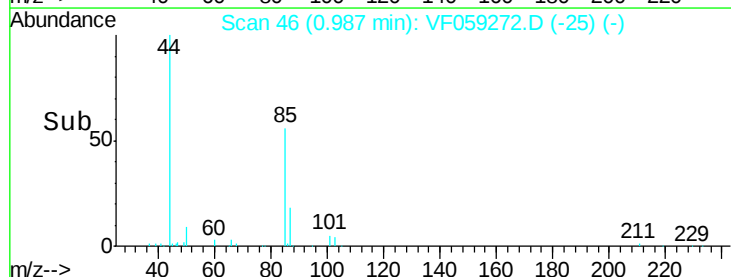


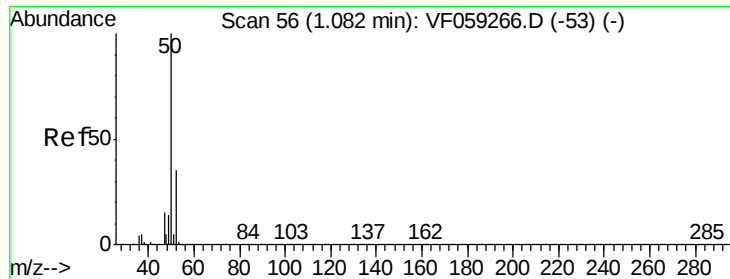
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

Time-->





#3

Chloromethane

Concen: 19.40 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

VF0621SBS01

Tot Ion: 50 Resp: 36345

Ion Ratio Lower Upper

50 100

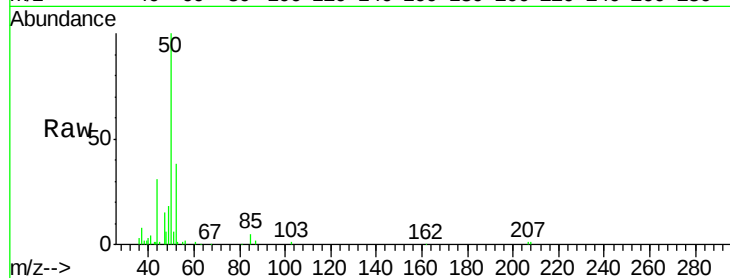
52 37.7 27.7 41.5

Manual Integrations

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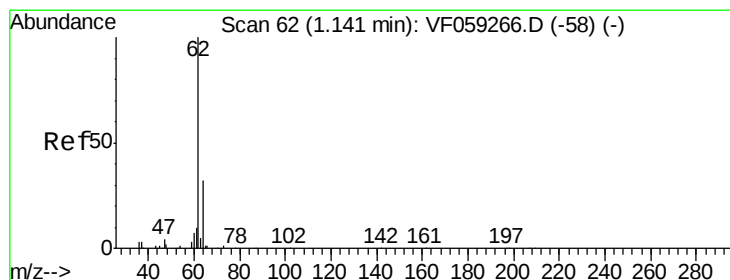
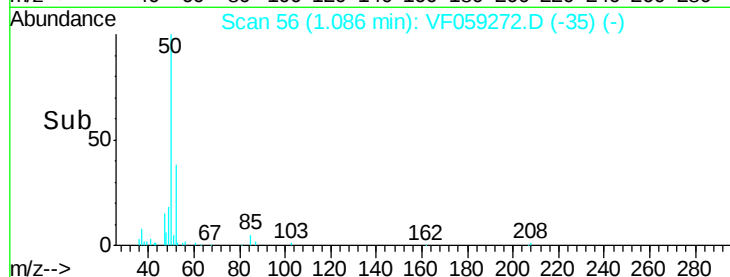
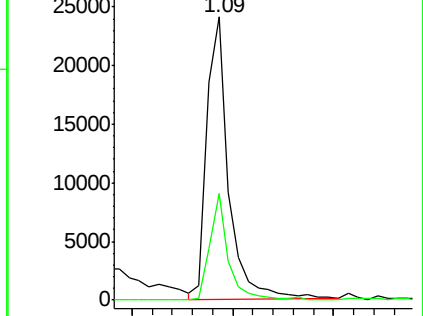
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 19.59 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059272.D

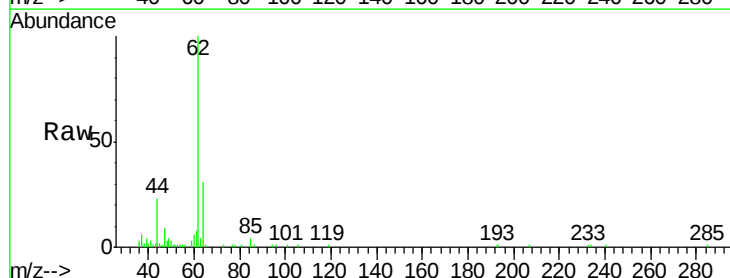
Acq: 21 Jun 2018 20:55

Tgt Ion: 62 Resp: 36382

Ion Ratio Lower Upper

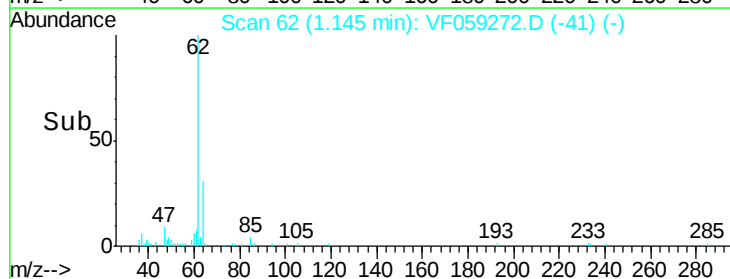
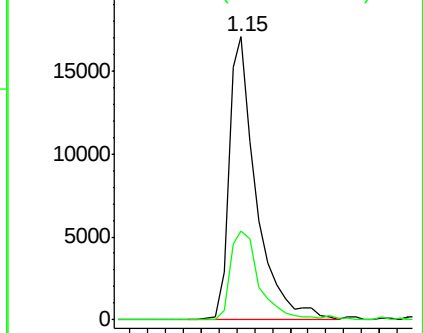
62 100

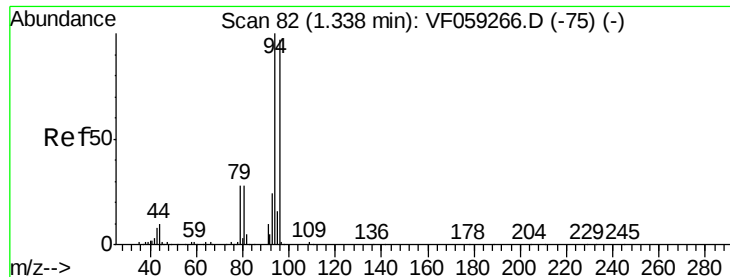
64 31.3 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 18.47 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

VF0621SBS01

Tot Ion: 94 Resp: 24507

Ion Ratio Lower Upper

94 100

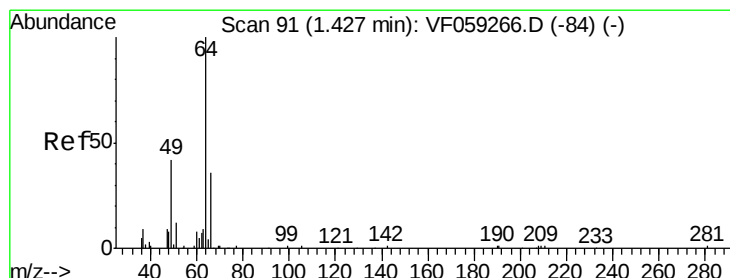
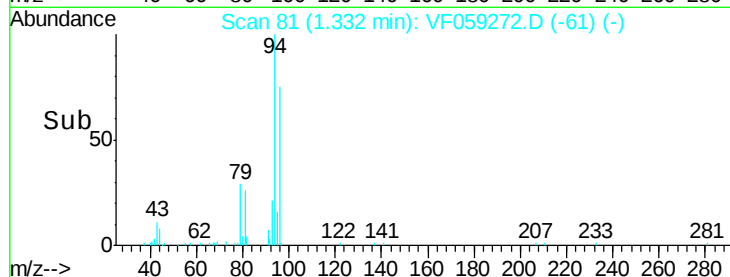
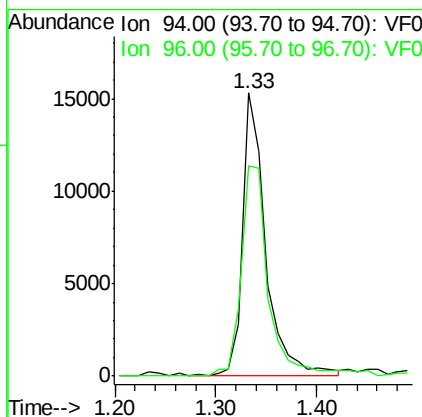
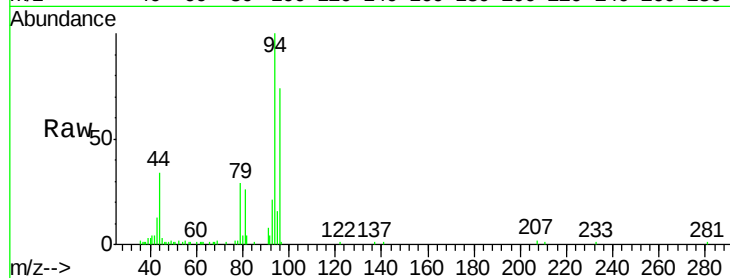
96 74.3 77.7 116.5#

Manual Integrations

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#6

Chloroethane

Concen: 18.32 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059272.D

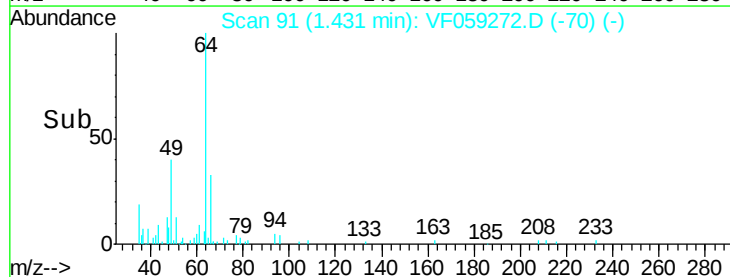
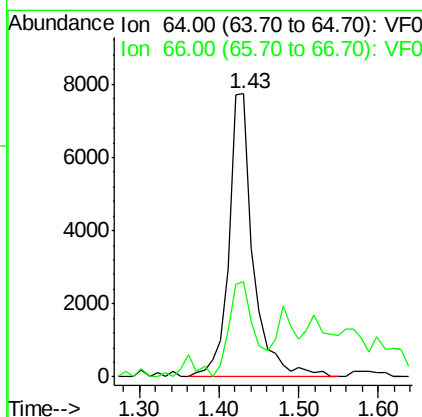
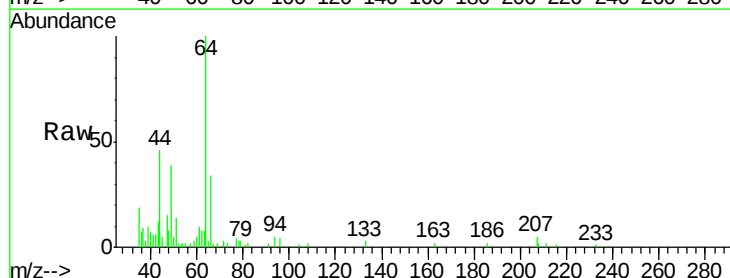
Acq: 21 Jun 2018 20:55

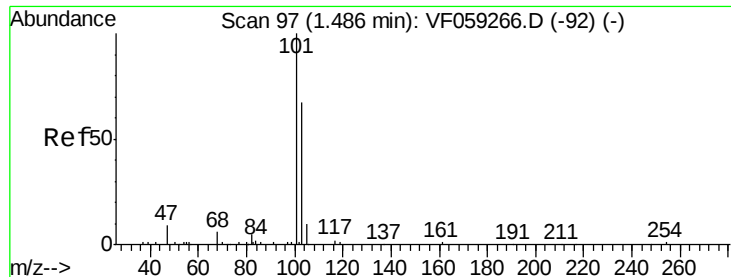
Tgt Ion: 64 Resp: 16602

Ion Ratio Lower Upper

64 100

66 33.7 29.4 44.2





#7

Trichlorofluoromethane

Concen: 19.69 ug/l m

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

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Acq: 21 Jun 2018 20:55

Instrument :

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Tot Ion:101 Resp: 71612

Ion Ratio Lower Upper

101 100

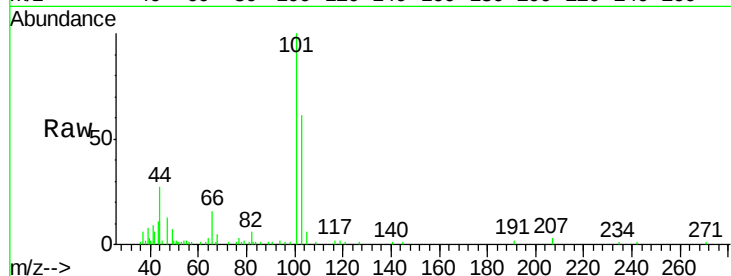
103 60.7 53.8 80.8

Manual Integrations

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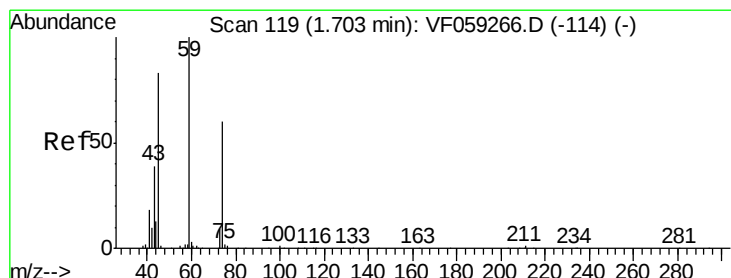
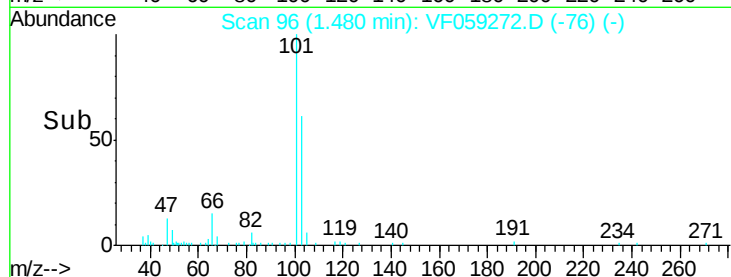
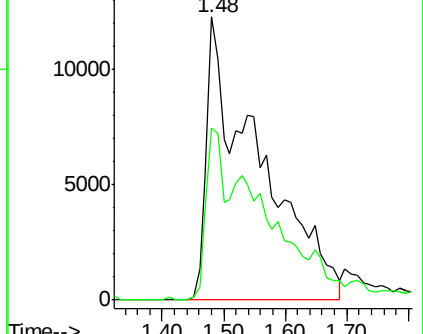
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.32 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059272.D

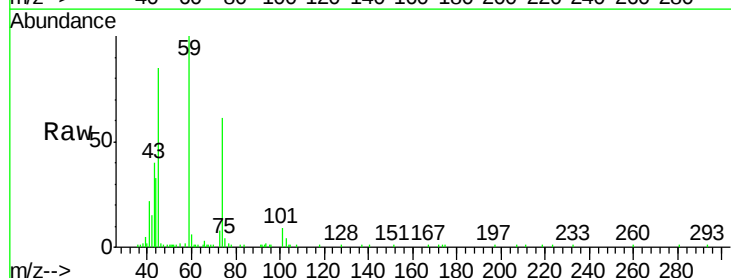
Acq: 21 Jun 2018 20:55

Tgt Ion: 74 Resp: 16635

Ion Ratio Lower Upper

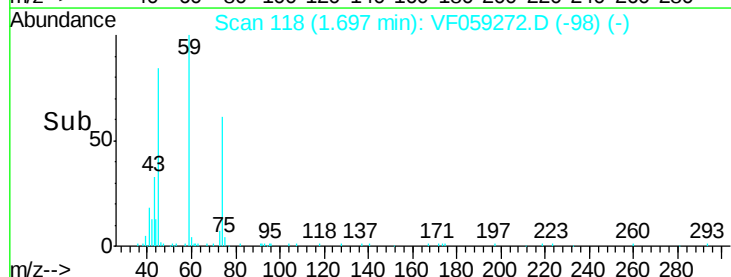
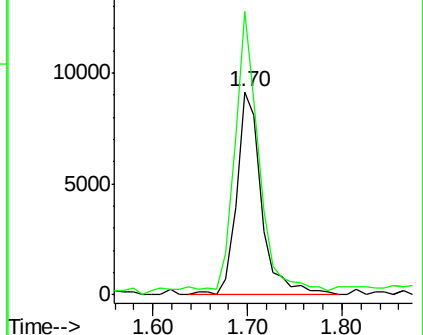
74 100

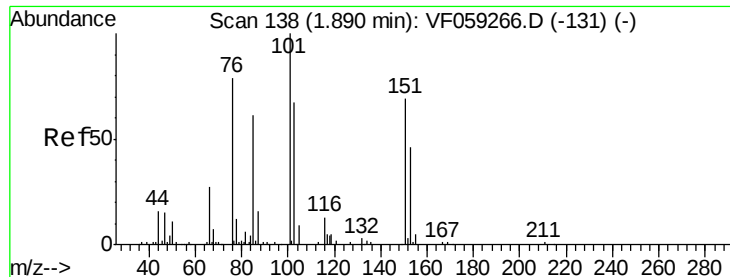
45 139.4 69.2 207.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.55 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

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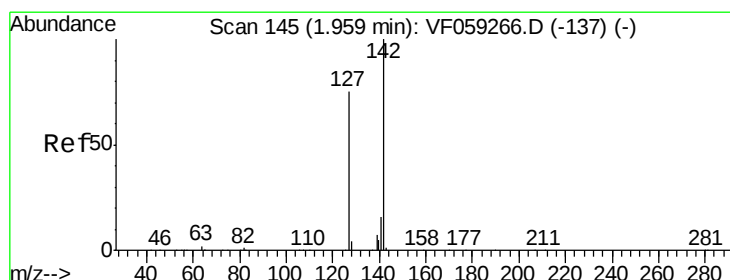
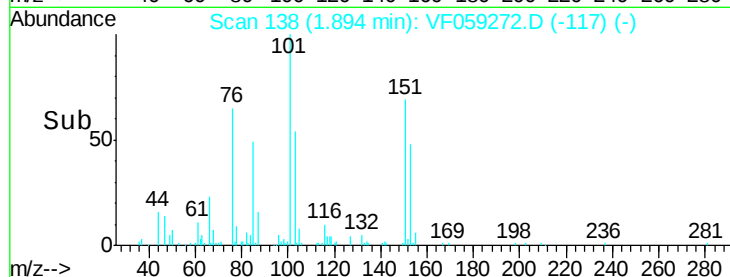
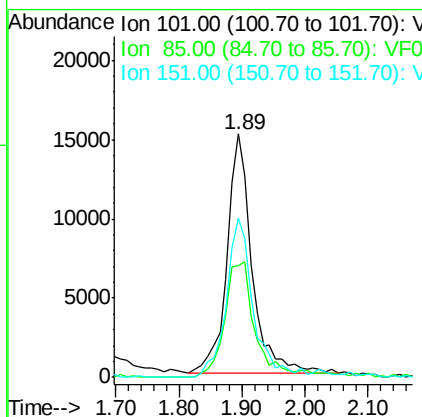
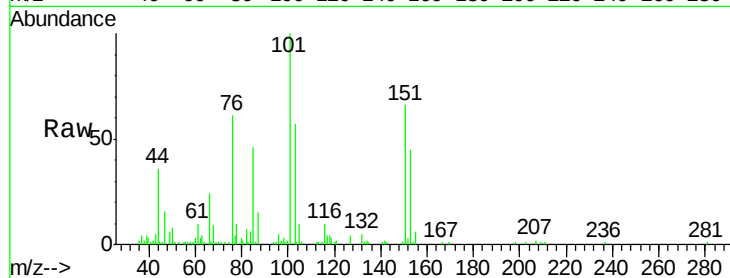
ClientSampleId :

VF0621SBS01

Tot Ion:	101	Resp:	41714
Ion Ratio	Lower	Upper	
101	100		
85	45.8	47.2	70.8#
151	65.6	53.3	79.9

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#10

Methyl Iodide

Concen: 19.26 ug/l

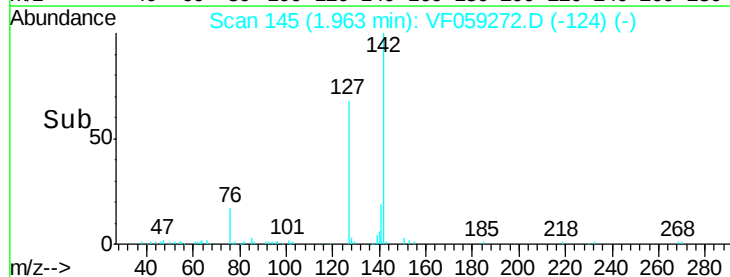
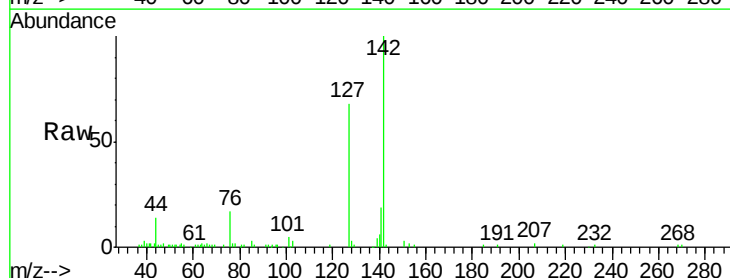
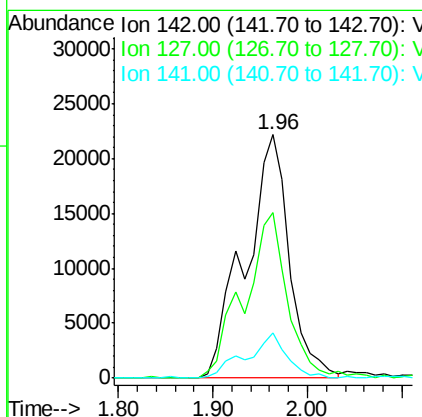
RT: 1.96 min Scan# 145

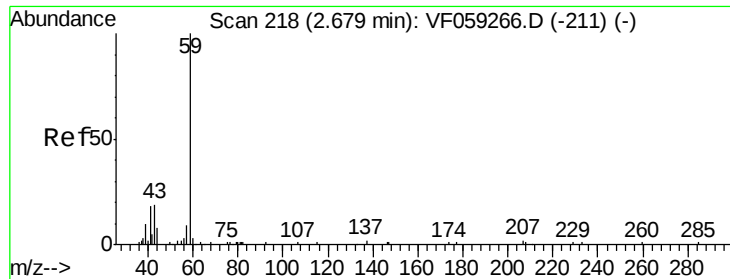
Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion:	142	Resp:	71464
Ion Ratio	Lower	Upper	
142	100		
127	68.2	59.9	89.9
141	18.5	12.7	19.1





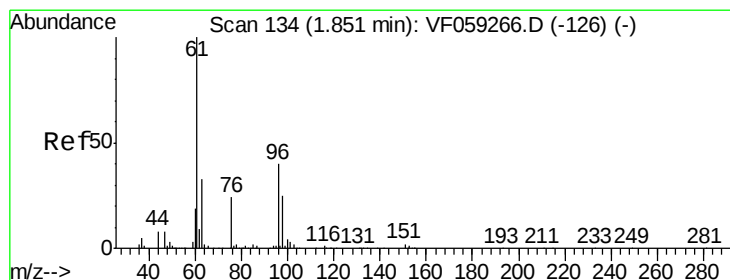
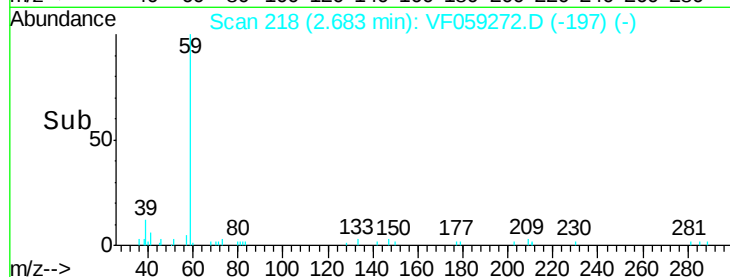
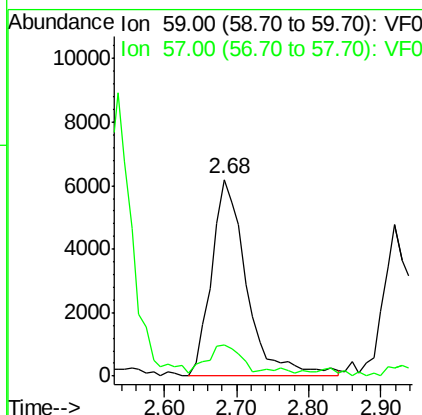
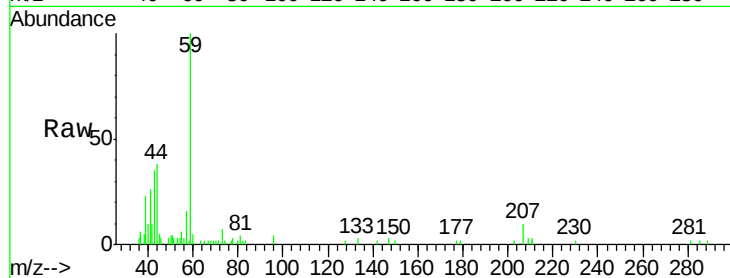
#11
Tert butyl alcohol
Concen: 98.14 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.8	9.2	13.8#

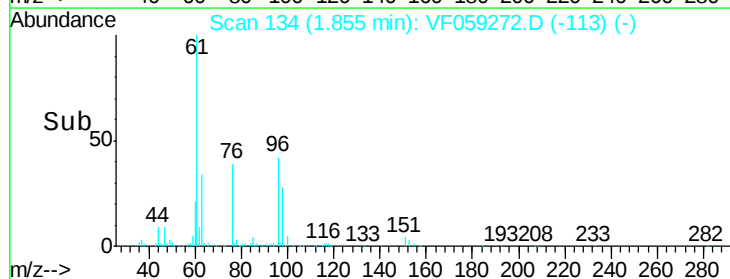
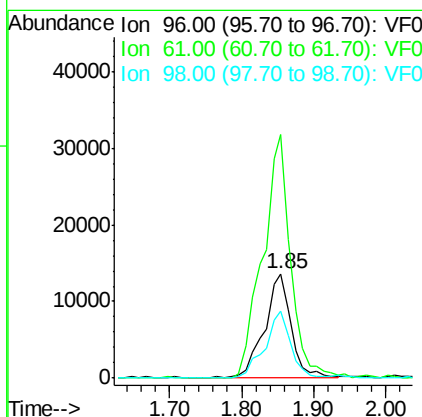
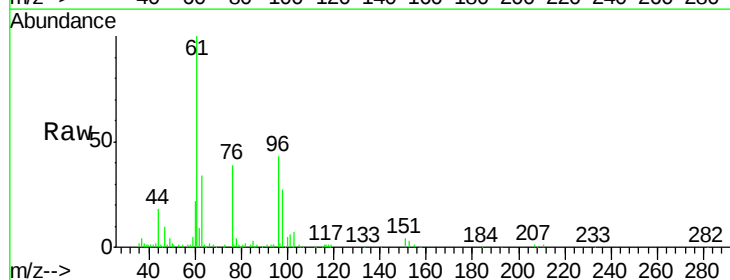
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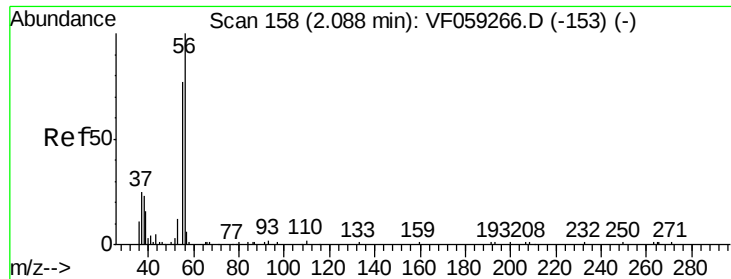
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#12
1,1-Dichloroethene
Concen: 19.43 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	233.8	201.4	302.2
98	64.2	50.0	75.0





#13

Acrolein

Concen: 106.97 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

VF0621SBS01

Tot Ion: 56 Resp: 18604

Ion Ratio Lower Upper

56 100

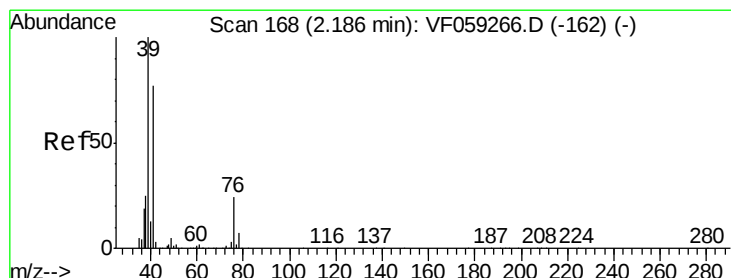
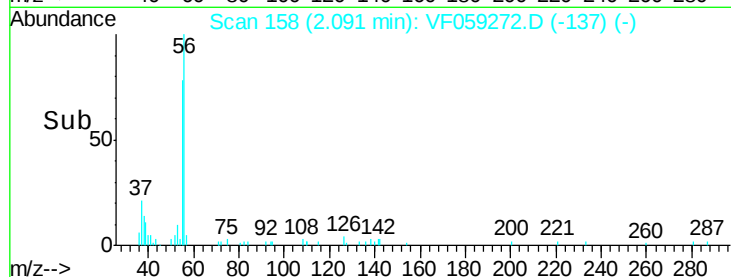
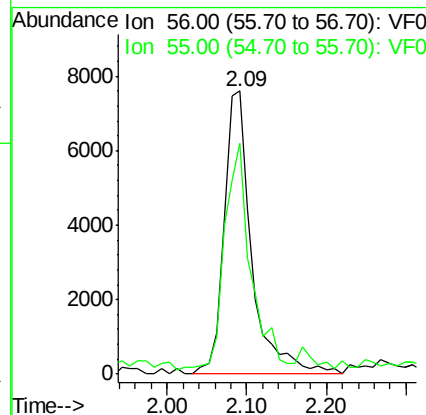
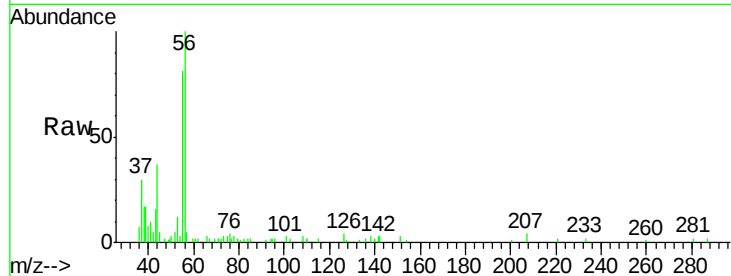
55 81.4 63.0 94.6

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#14

Allyl chloride

Concen: 19.26 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

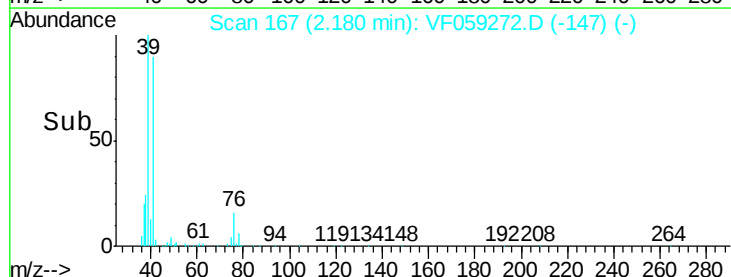
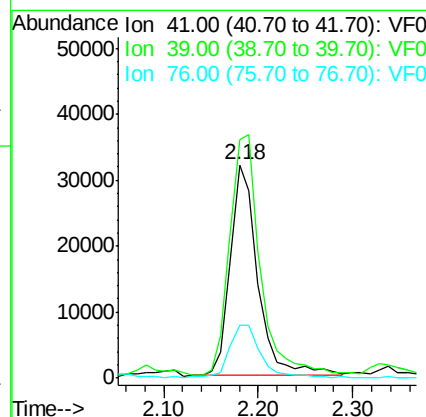
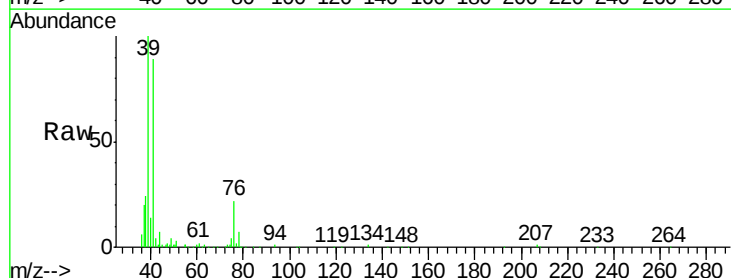
Tgt Ion: 41 Resp: 64353

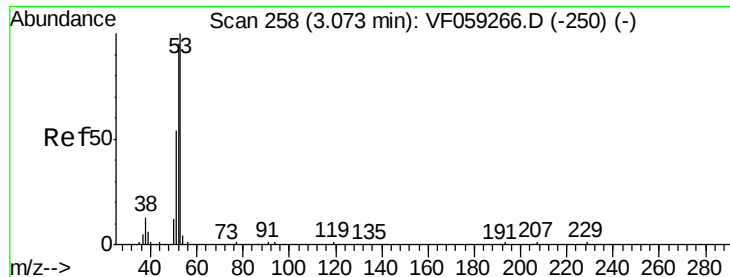
Ion Ratio Lower Upper

41 100

39 111.7 103.8 155.6

76 24.9 25.0 37.6#





#15

Acrylonitrile

Concen: 145.70 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

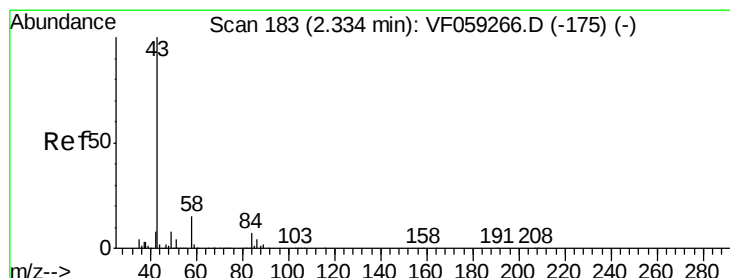
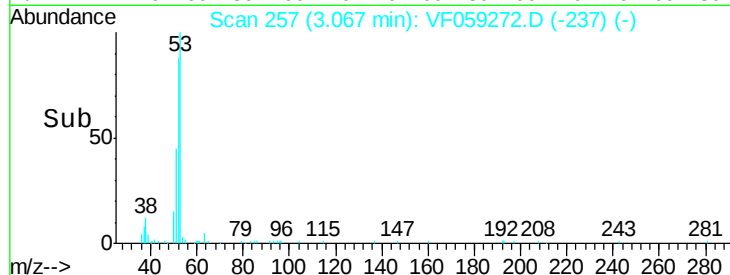
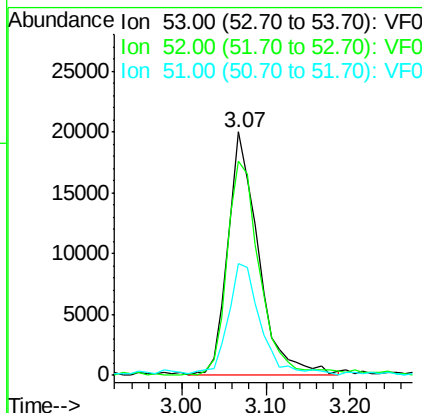
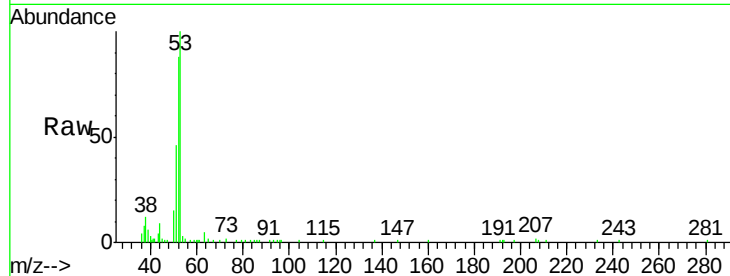
ClientSampleId :

VF0621SBS01

Tot Ion:	53	Resp:	51103
Ion	Ratio	Lower	Upper
53	100		
52	87.9	75.7	113.5
51	46.1	44.5	66.7

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#16

Acetone

Concen: 83.86 ug/l

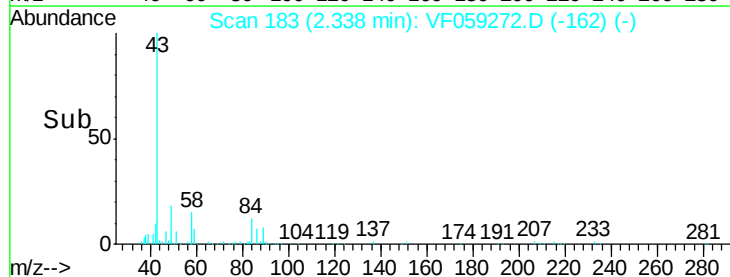
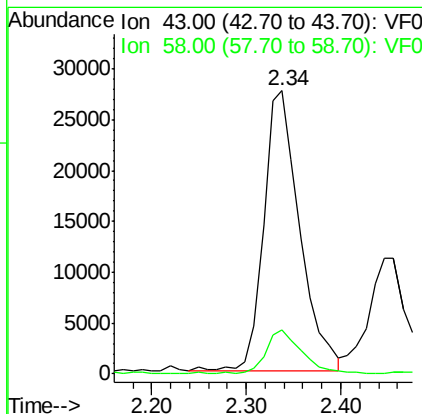
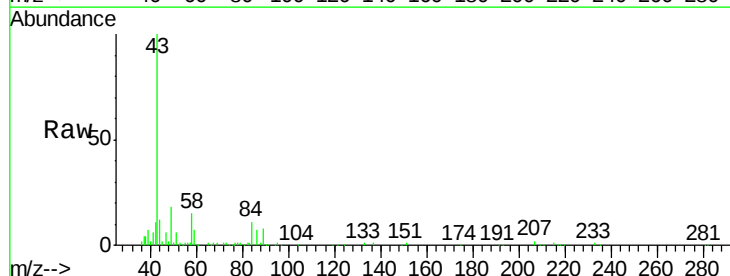
RT: 2.34 min Scan# 183

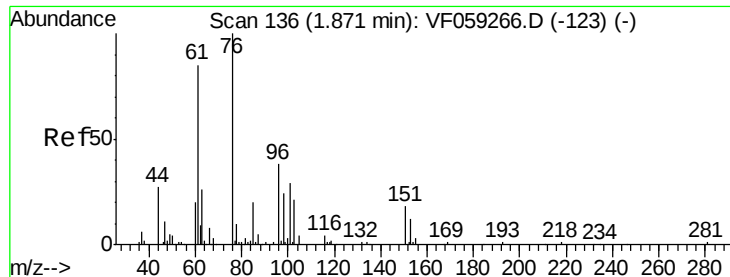
Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion:	43	Resp:	72673
Ion	Ratio	Lower	Upper
43	100		
58	15.3	12.1	18.1





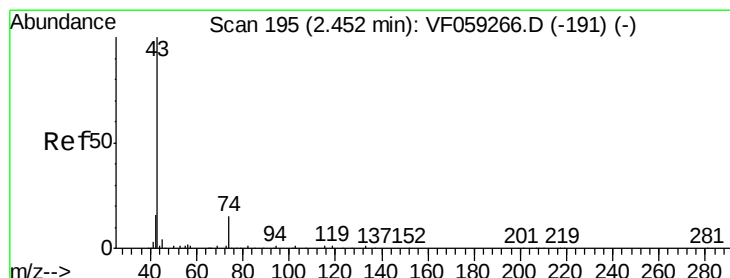
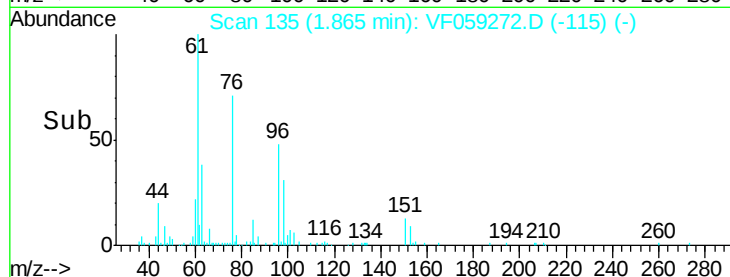
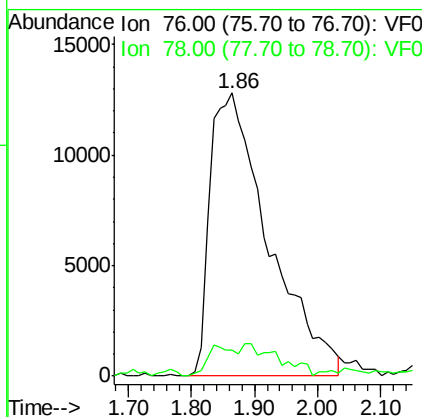
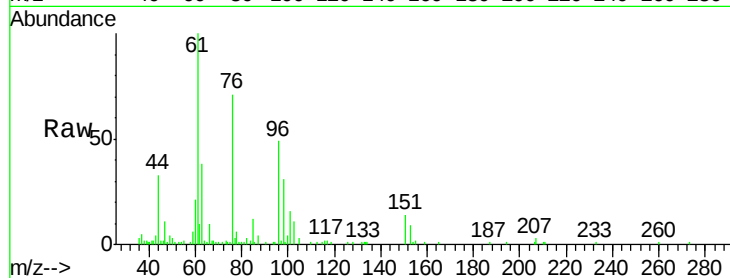
#17
Carbon Disulfide
Concen: 18.77 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	8.6	12.8

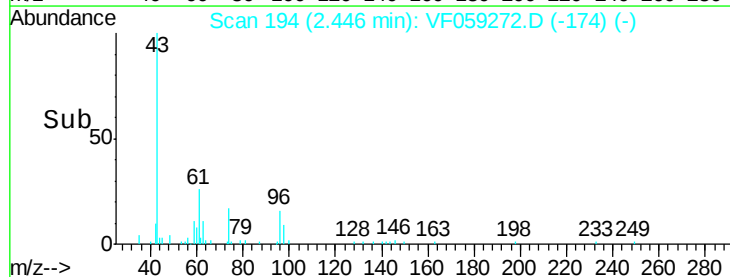
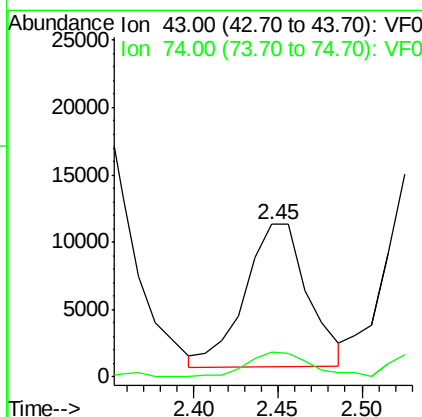
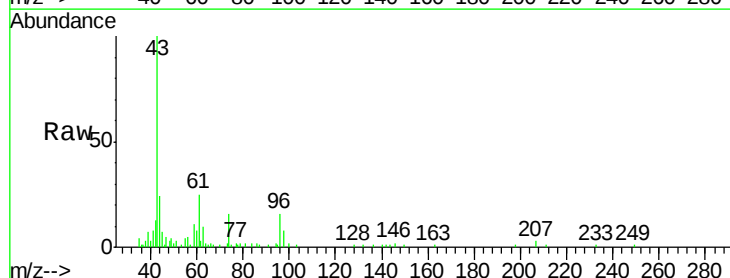
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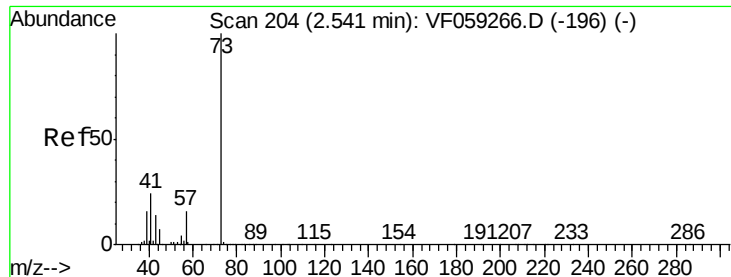
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#18
Methyl Acetate
Concen: 17.03 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.2	11.0	16.4





#19

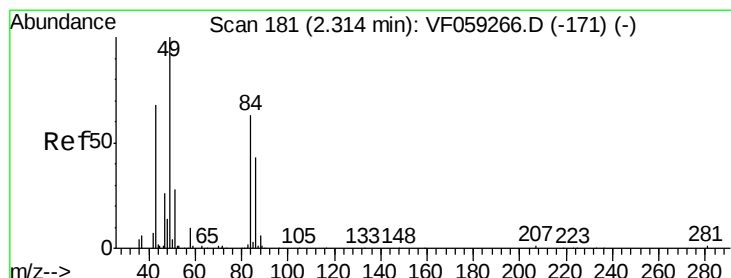
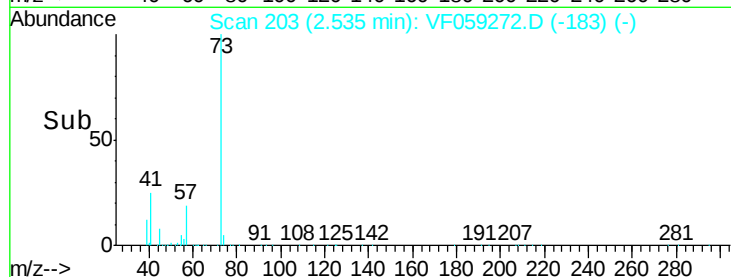
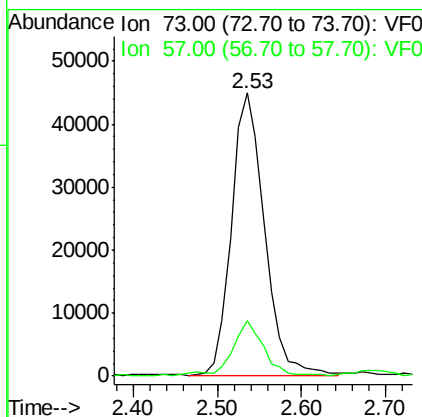
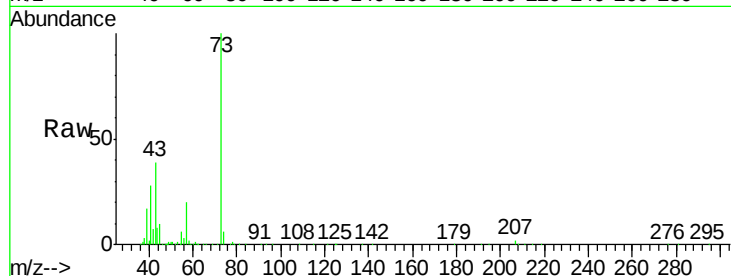
Methyl tert-butyl Ether
Concen: 20.05 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	13.0	19.4#

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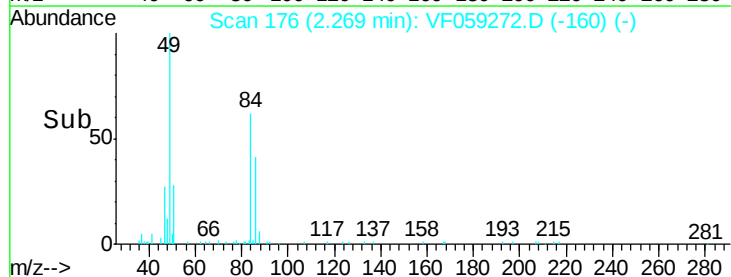
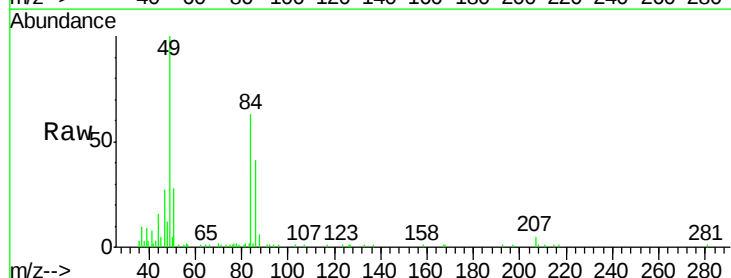
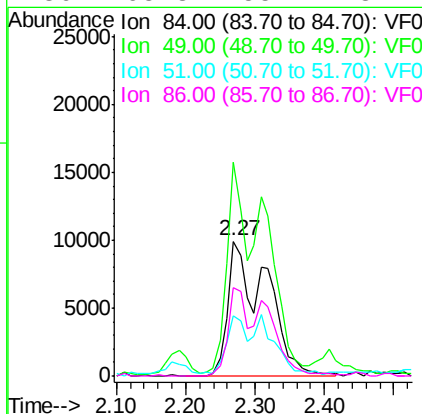
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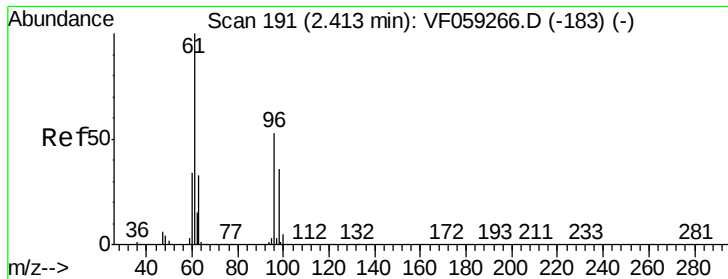


#20

Methylene Chloride
Concen: 20.74 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. -0.05 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.5	130.0	195.0
51	44.8	36.6	55.0
86	65.3	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 18.82 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

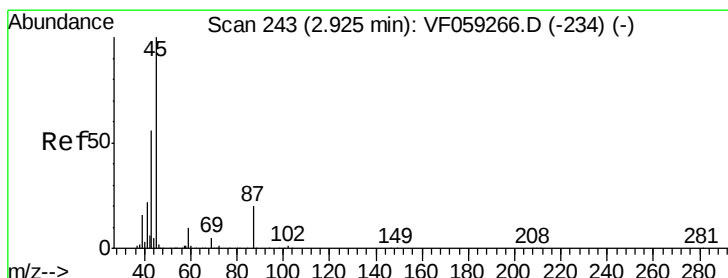
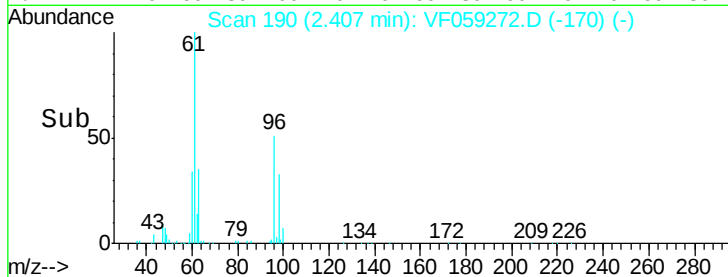
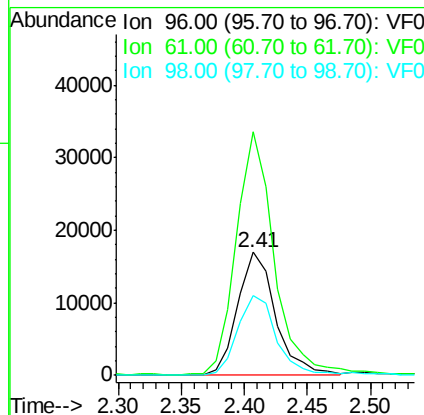
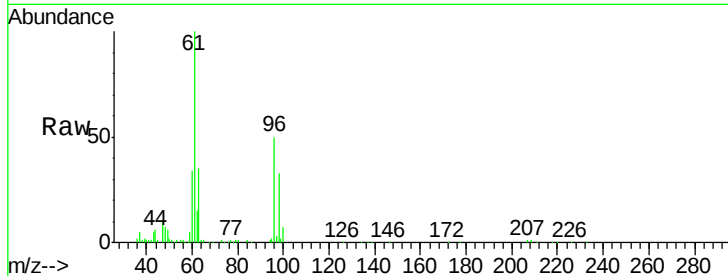
ClientSampleId :

VF0621SBS01

Tot Ion:	96	Resp:	35564
Ion	Ratio	Lower	Upper
96	100		
61	198.5	151.2	226.8
98	65.5	54.2	81.2

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#22

Diisopropyl ether

Concen: 20.95 ug/l

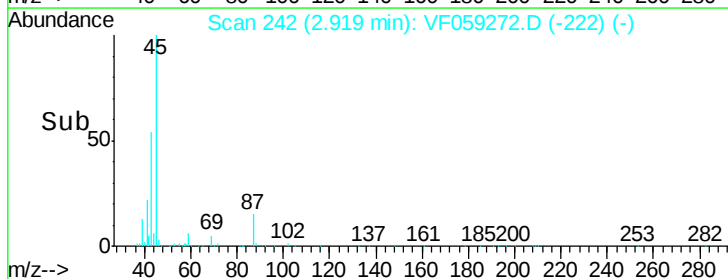
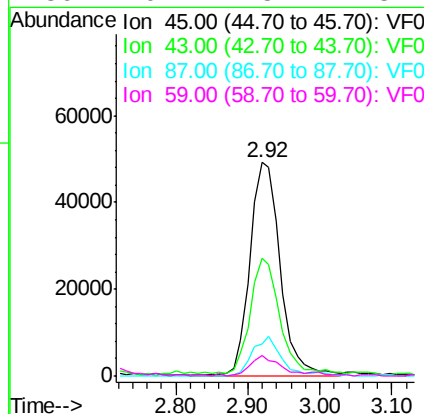
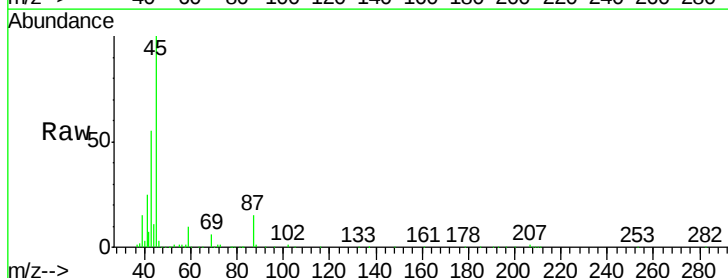
RT: 2.92 min Scan# 242

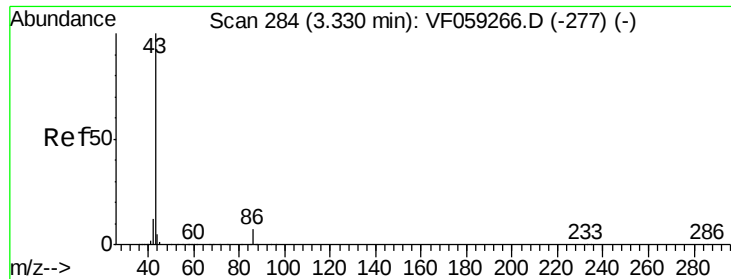
Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion:	45	Resp:	145265
Ion	Ratio	Lower	Upper
45	100		
43	55.3	45.8	68.6
87	15.3	15.7	23.5#
59	9.7	8.7	13.1





#23

Vinyl Acetate

Concen: 105.93 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

VF0621SBS01

Tot Ion: 43 Resp: 469764

Ion Ratio Lower Upper

43 100

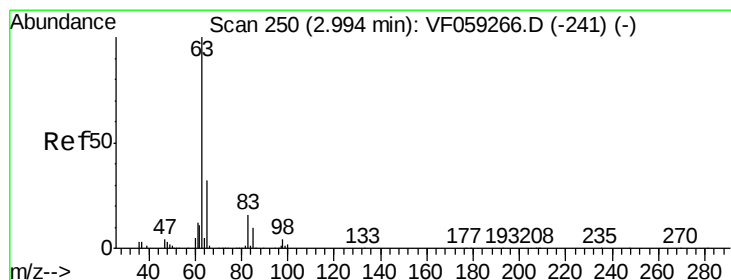
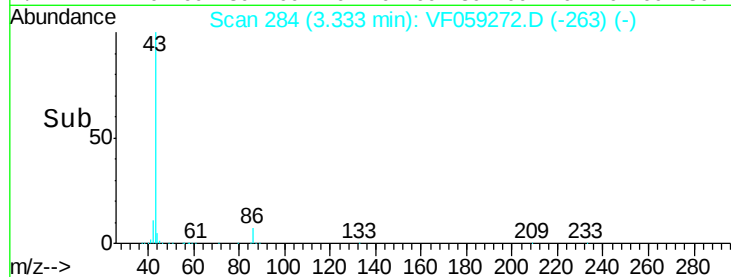
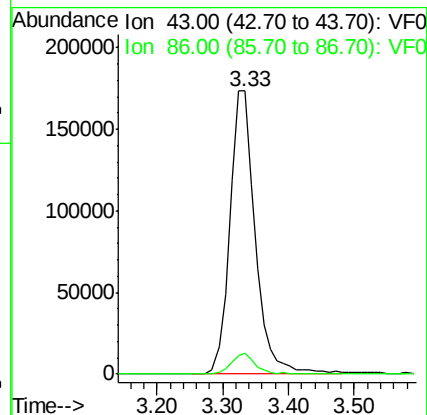
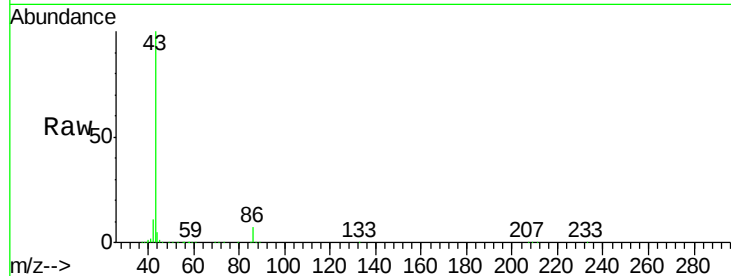
86 7.2 5.4 8.2

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#24

1,1-Dichloroethane

Concen: 19.80 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

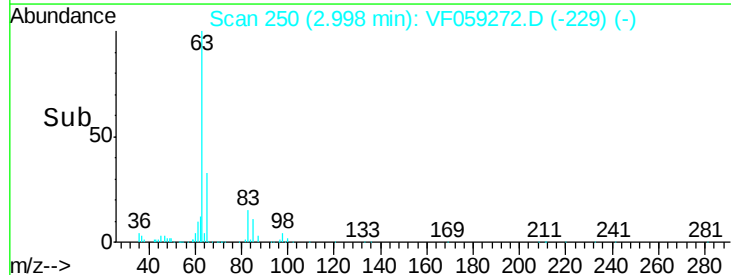
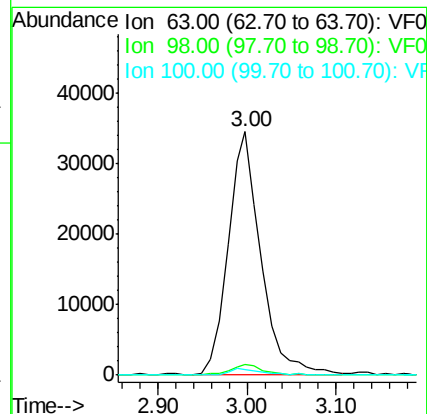
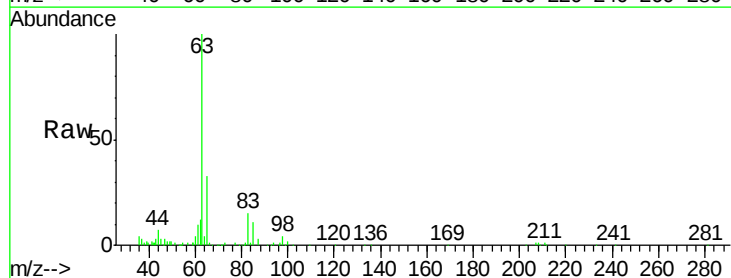
Tgt Ion: 63 Resp: 88984

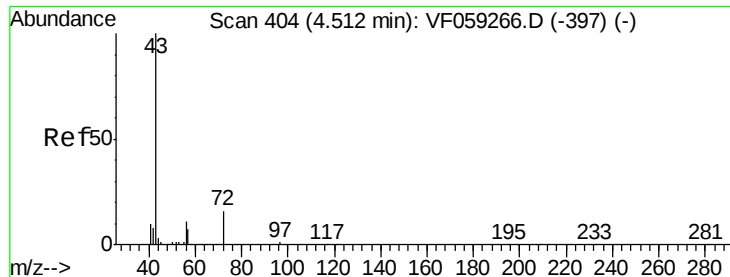
Ion Ratio Lower Upper

63 100

98 4.5 2.0 5.8

100 2.3 1.1 3.1





#25

2-Butanone

Concen: 93.75 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tot Ion: 43 Resp: 108375

Ion Ratio Lower Upper

43 100

72 20.6 15.2 22.8

Instrument :

MSVOA_F

ClientSampleId :

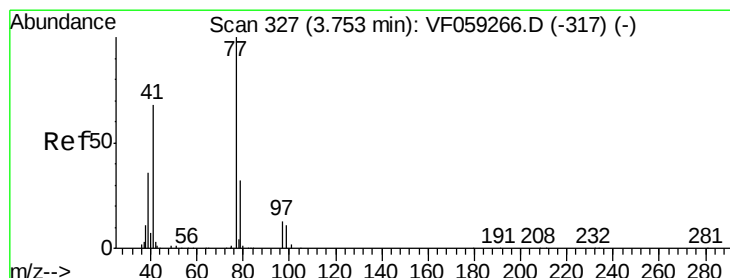
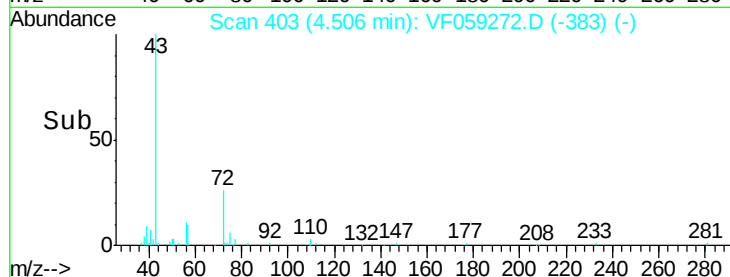
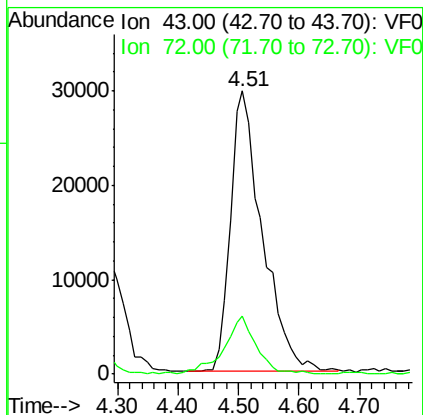
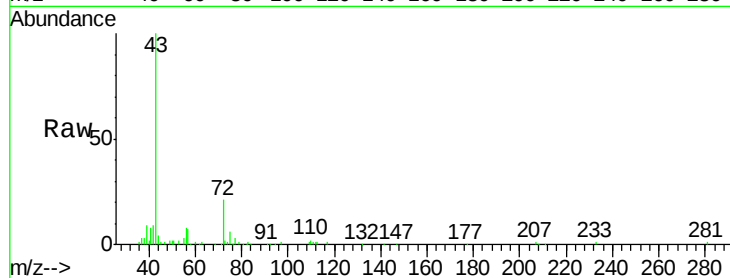
VF0621SBS01

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#26

2,2-Dichloropropane

Concen: 20.56 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059272.D

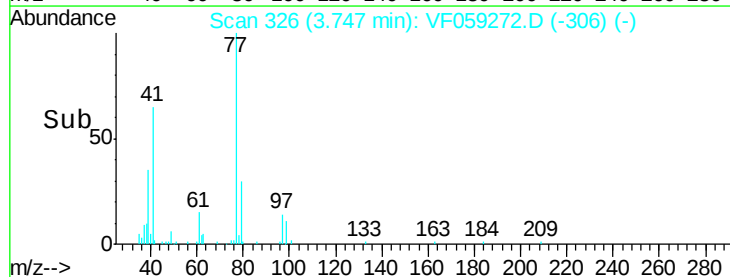
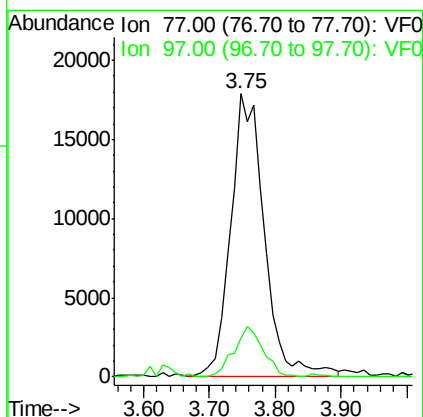
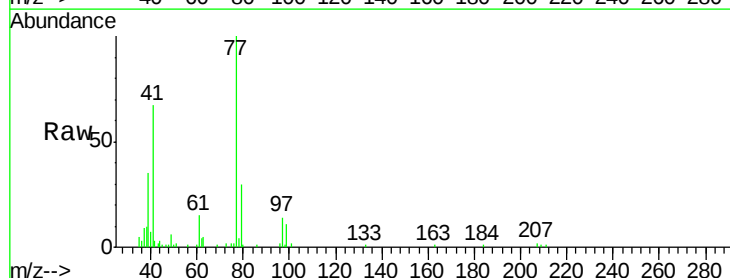
Acq: 21 Jun 2018 20:55

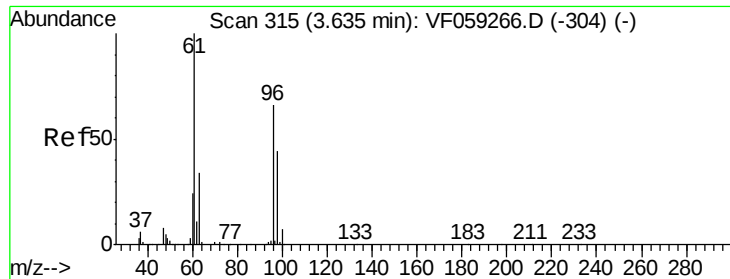
Tgt Ion: 77 Resp: 64404

Ion Ratio Lower Upper

77 100

97 13.8 7.6 22.8





#27

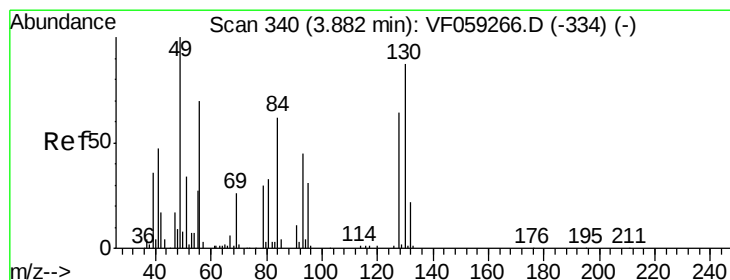
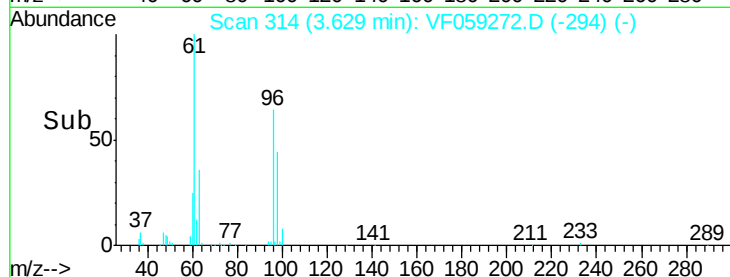
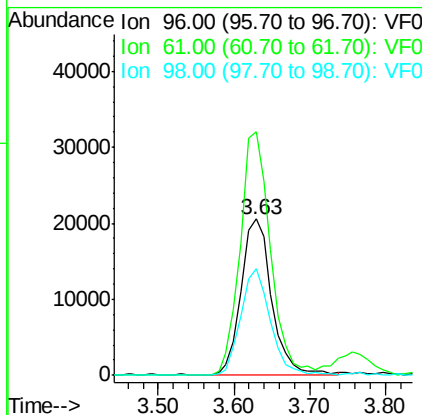
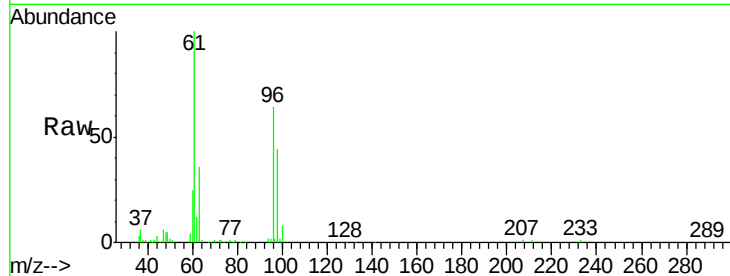
cis-1,2-Dichloroethene
Concen: 20.34 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.9	0.0	305.0
98	67.9	0.0	134.0

Manual Integrations
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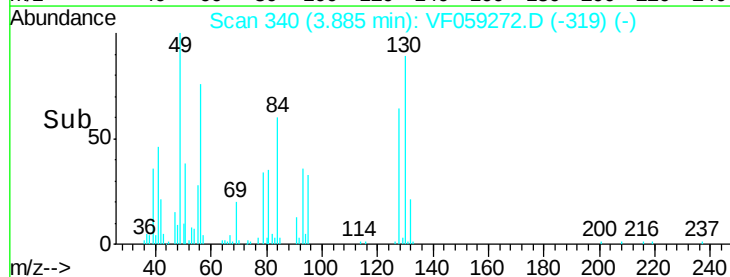
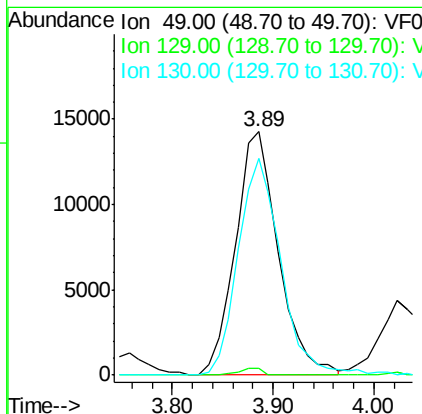
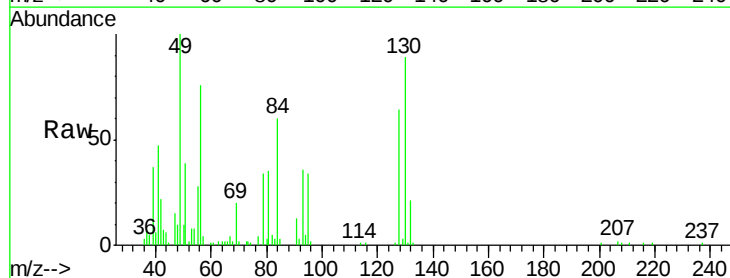
apatel
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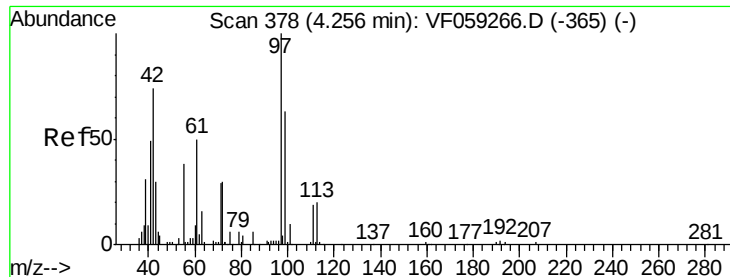


#28

Bromochloromethane
Concen: 22.61 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	3.8
130	88.9	69.4	104.2





#29

Tetrahydrofuran

Concen: 90.45 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

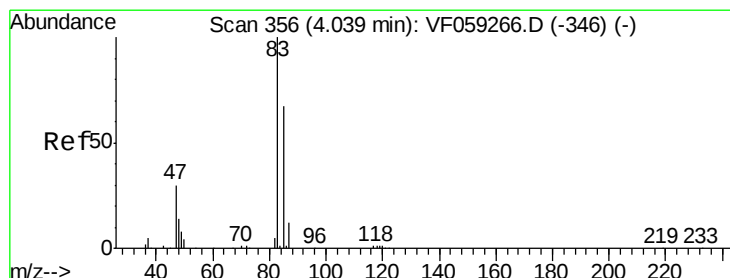
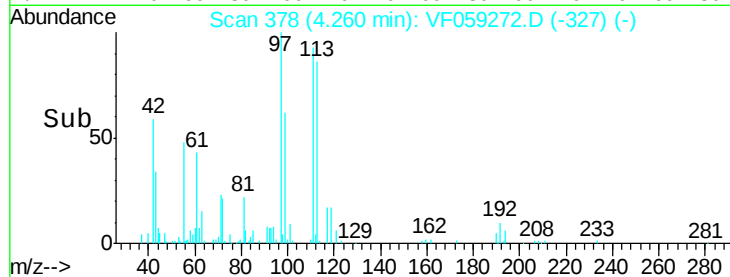
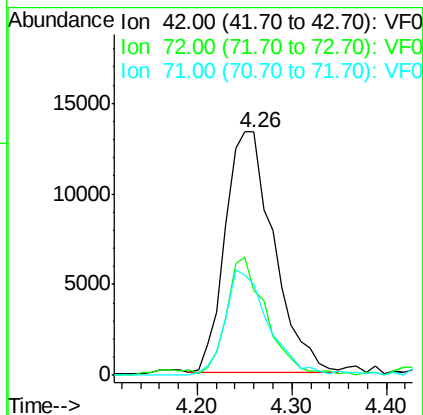
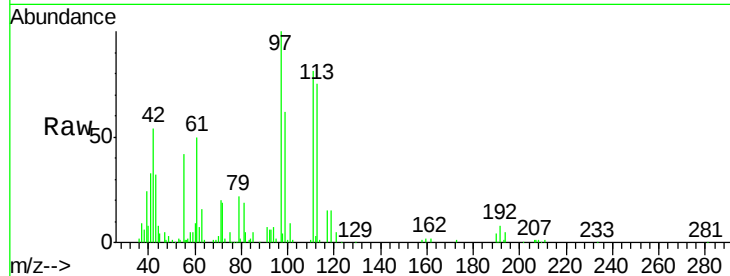
ClientSampleId :

VF0621SBS01

Tot Ion:	42	Resp:	46945
Ion	Ratio	Lower	Upper
42	100		
72	40.6	31.2	46.8
71	38.9	30.2	45.2

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#30

Chloroform

Concen: 19.89 ug/l

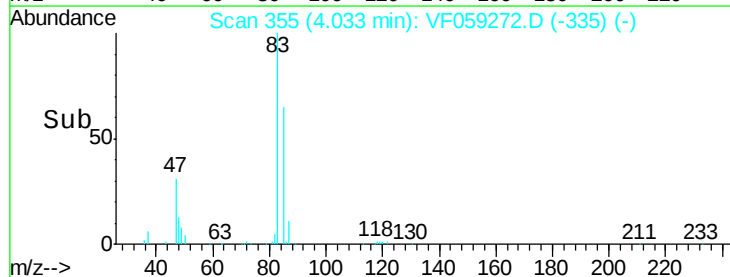
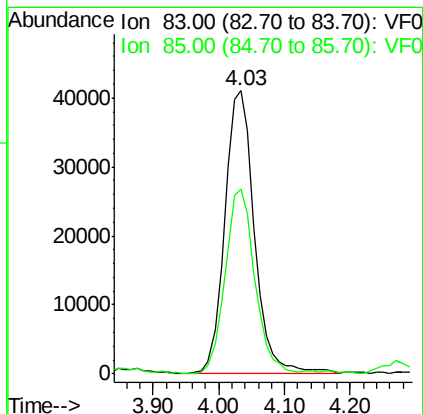
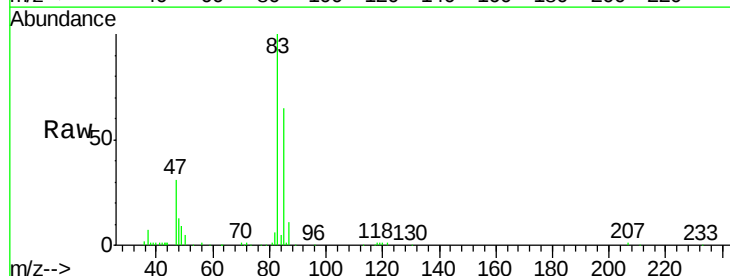
RT: 4.03 min Scan# 355

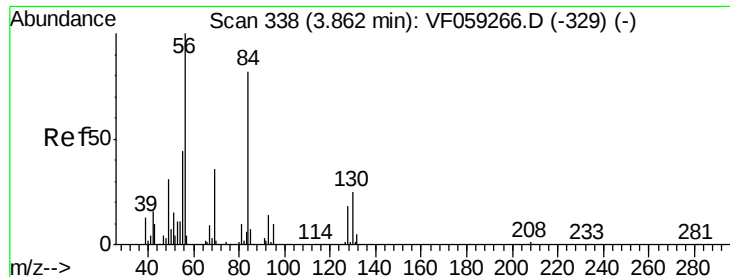
Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion:	83	Resp:	129425
Ion	Ratio	Lower	Upper
83	100		
85	65.5	54.2	81.2





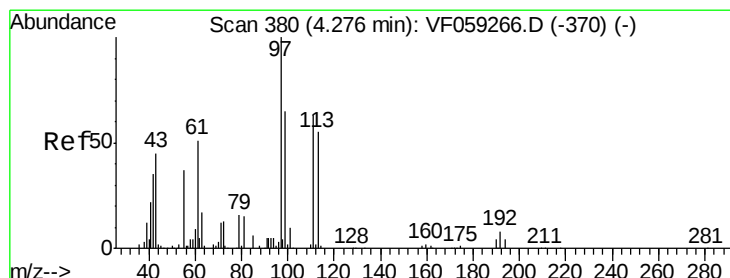
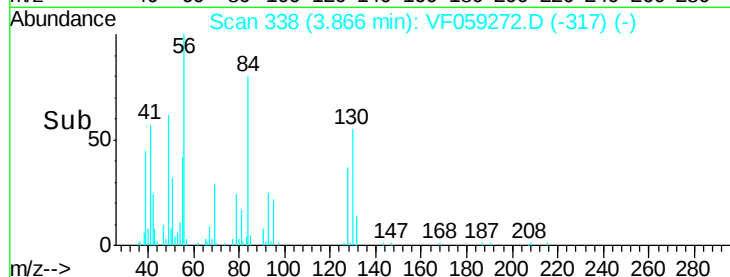
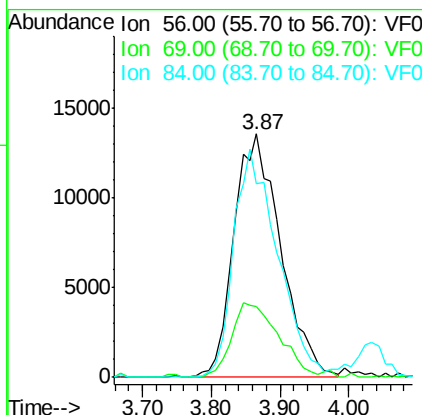
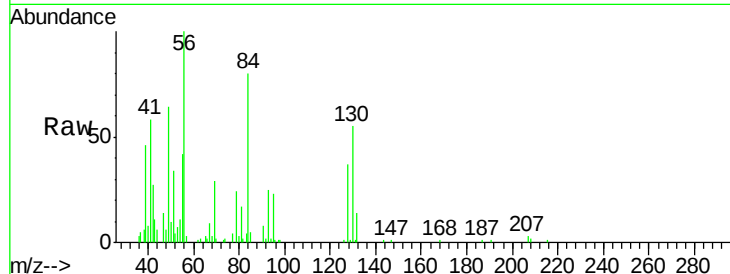
#31
Cyclohexane
Concen: 20.64 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	28.6	43.0
84	79.7	65.8	98.6

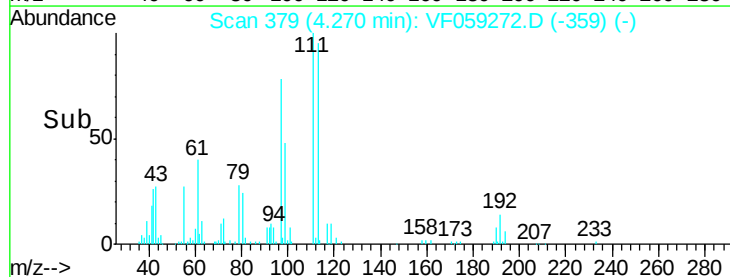
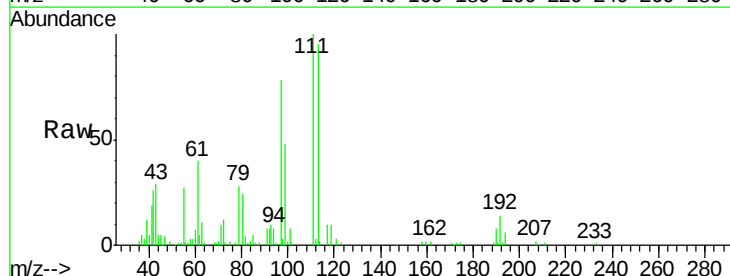
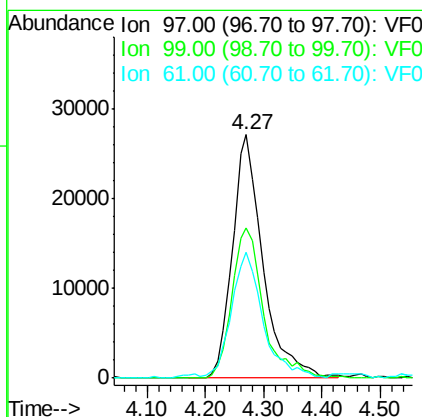
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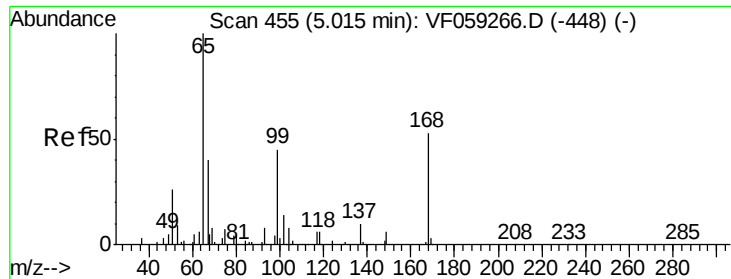
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#32
1,1,1-Trichloroethane
Concen: 20.14 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	52.4	78.6
61	51.7	40.9	61.3





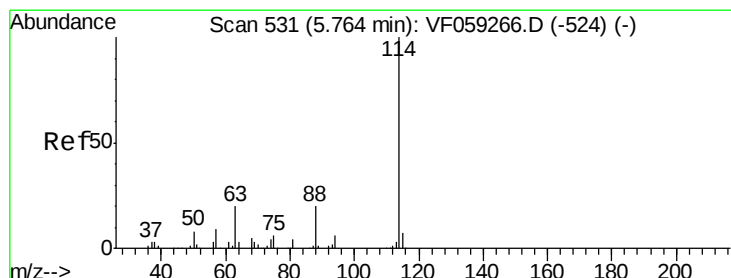
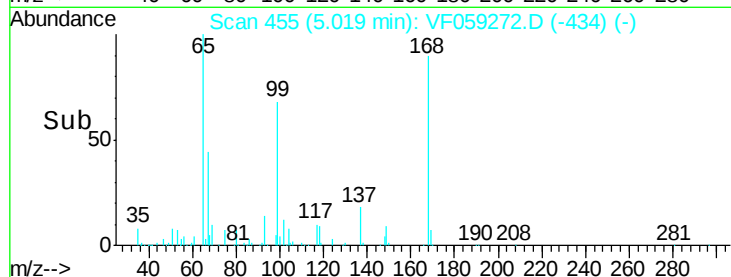
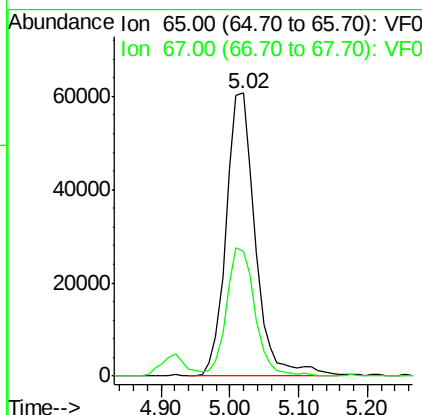
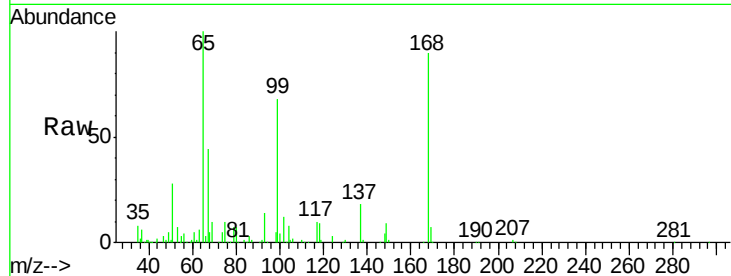
#33
 1,2-Dichloroethane-d4
 Concen: 48.16 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0621SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176597		
67	44.1	0.0	95.8	

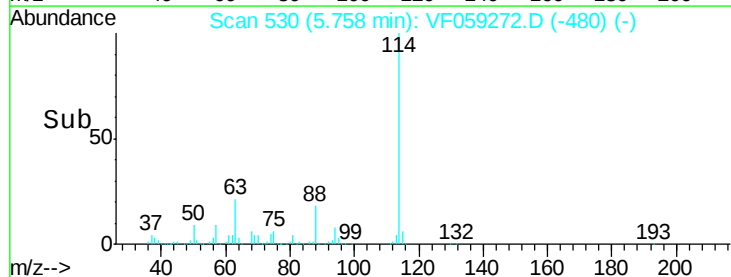
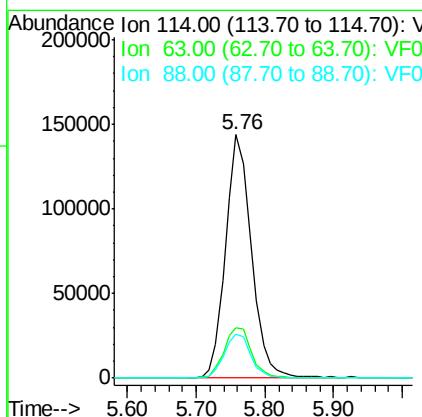
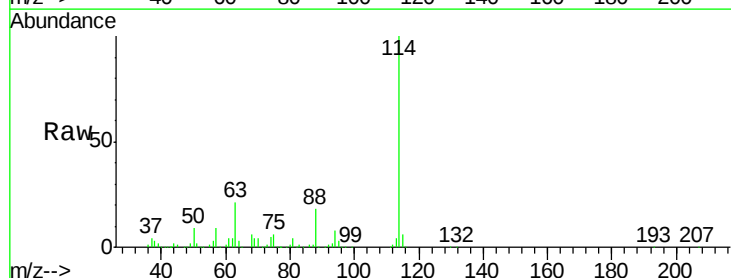
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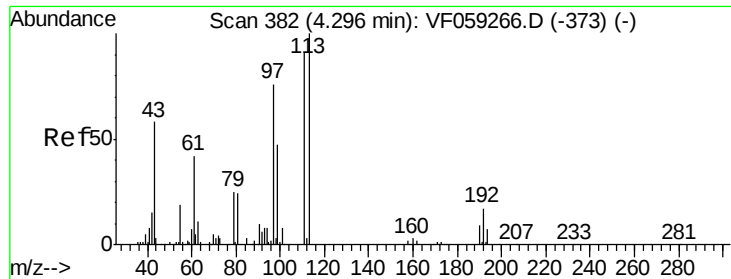
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	376043		
63	20.6	0.0	41.0	
88	18.2	0.0	39.6	





#35

Dibromofluoromethane

Concen: 49.00 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

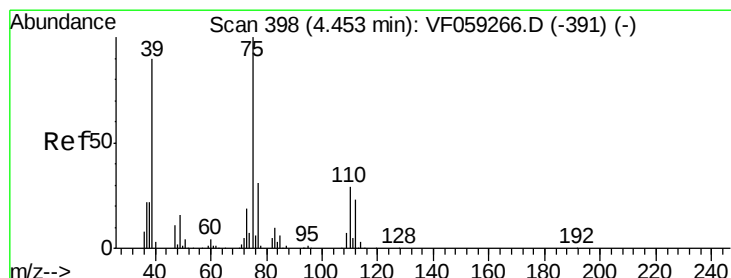
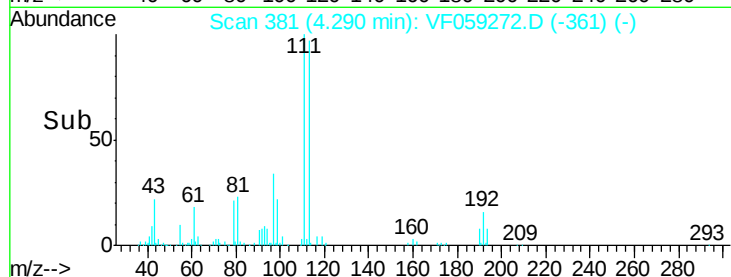
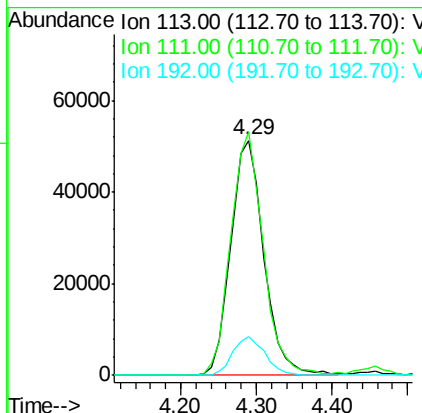
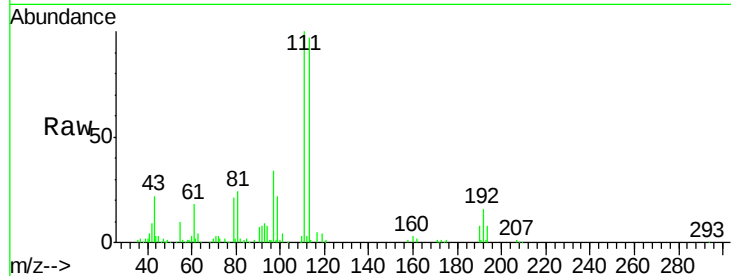
ClientSampleId :

VF0621SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	73.1	109.7
192	16.7	13.9	20.9

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#36

1,1-Dichloropropene

Concen: 20.76 ug/l

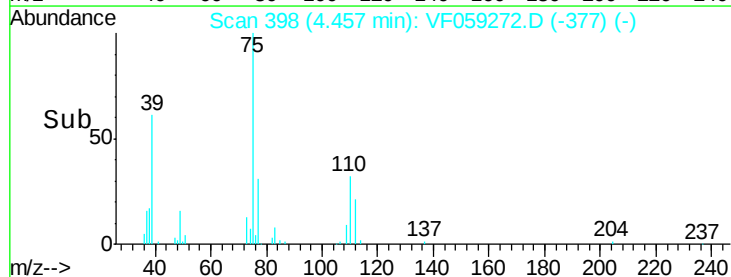
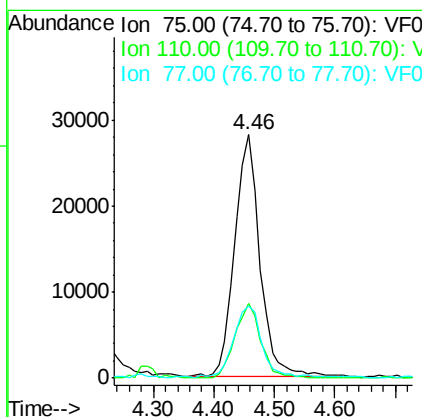
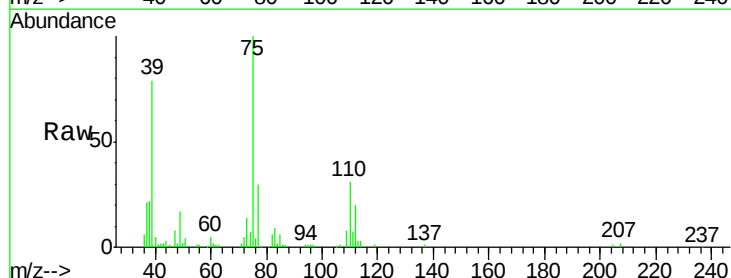
RT: 4.46 min Scan# 398

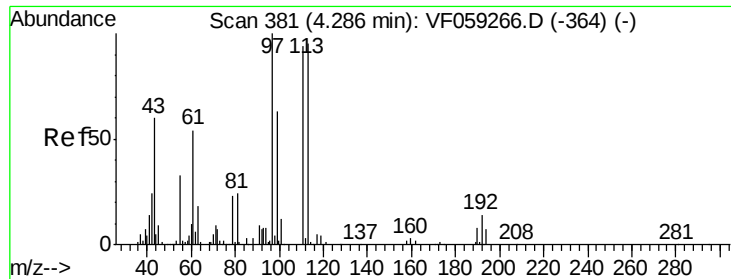
Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.7	14.5	43.5
77	29.7	25.0	37.6





#37

Ethyl Acetate

Concen: 20.50 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

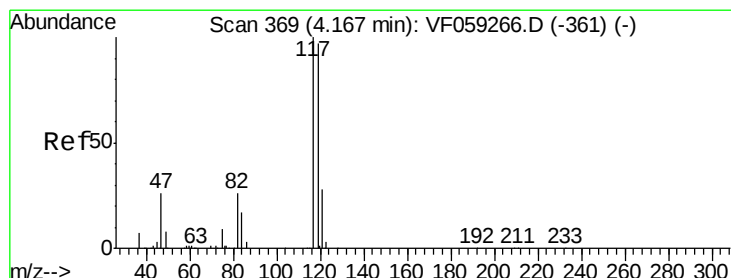
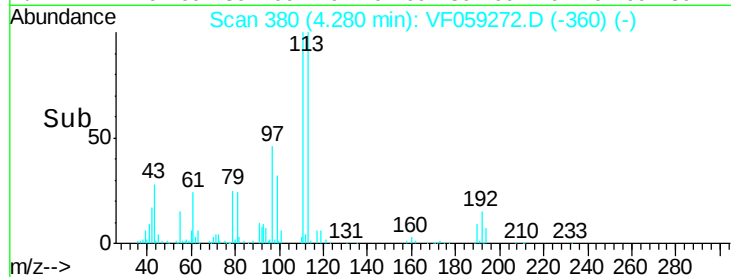
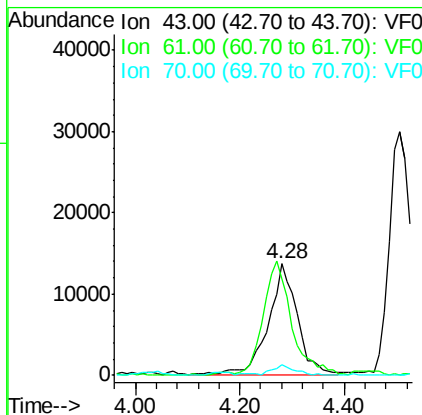
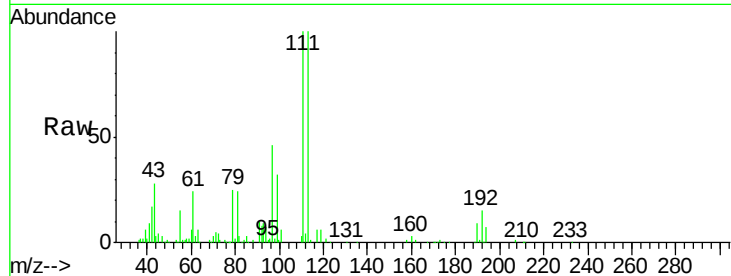
ClientSampleId :

VF0621SBS01

Tot Ion:	43	Resp:	51776
Ion	Ratio	Lower	Upper
43	100		
61	86.6	71.6	107.4
70	9.6	6.9	10.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.79 ug/l

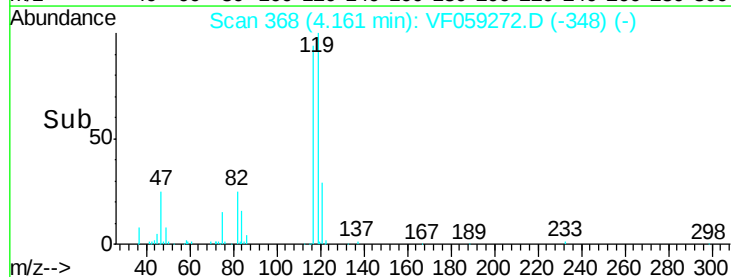
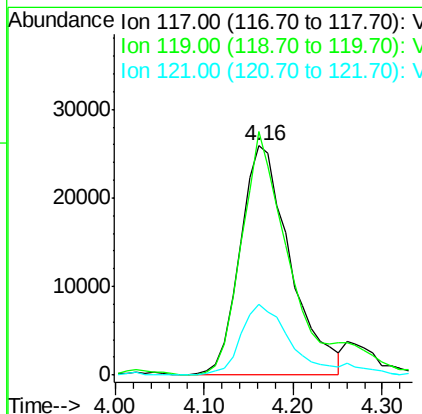
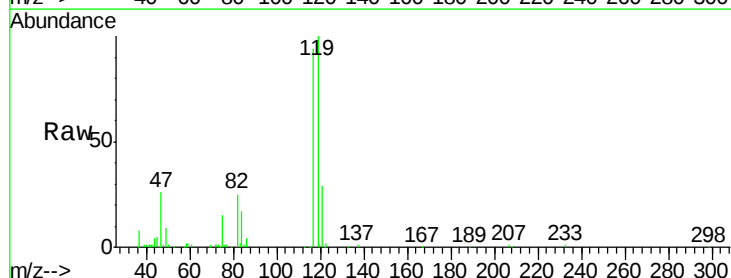
RT: 4.16 min Scan# 368

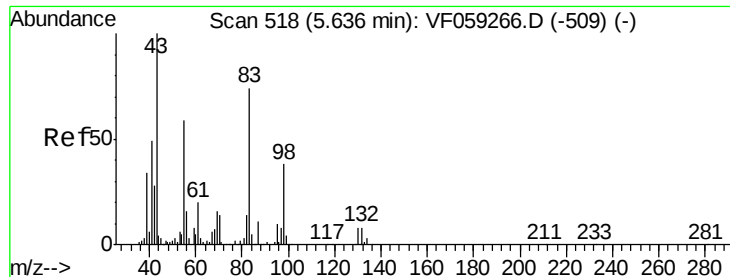
Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion:	117	Resp:	100930
Ion	Ratio	Lower	Upper
117	100		
119	106.2	77.5	116.3
121	30.7	22.2	33.4





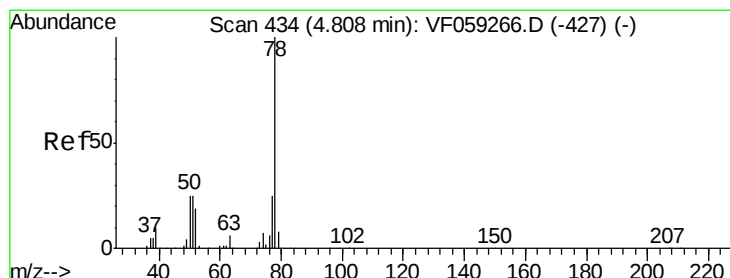
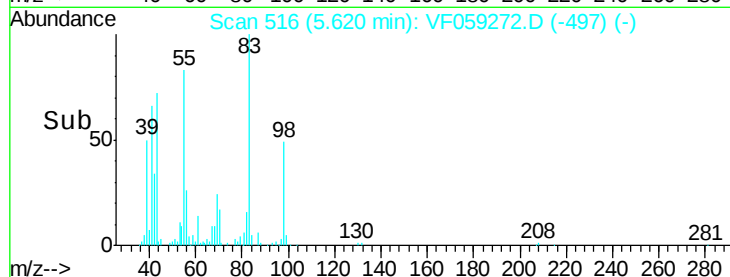
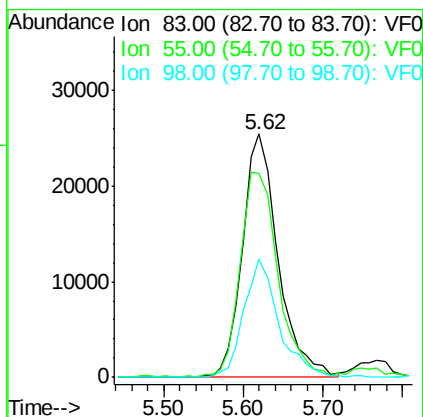
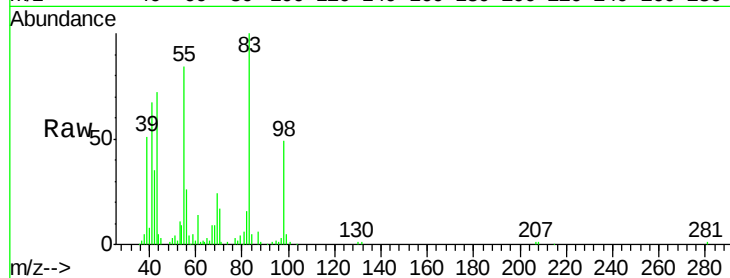
#39
Methvlcvclohexane
Concen: 22.22 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	83	Resp	78570
Ion	Ratio	Lower	Upper
83	100		
55	83.7	63.7	95.5
98	48.7	41.6	62.4

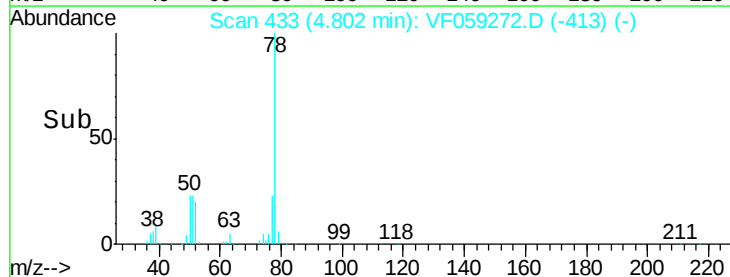
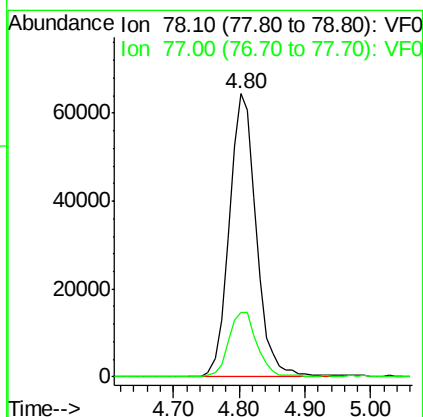
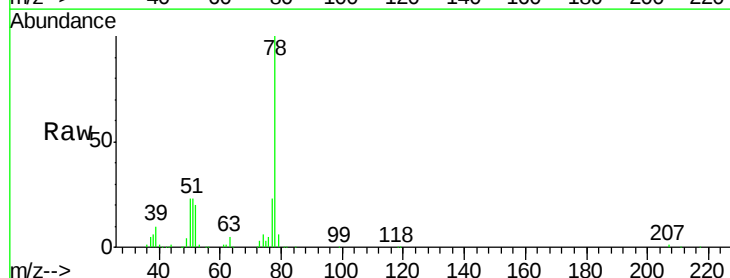
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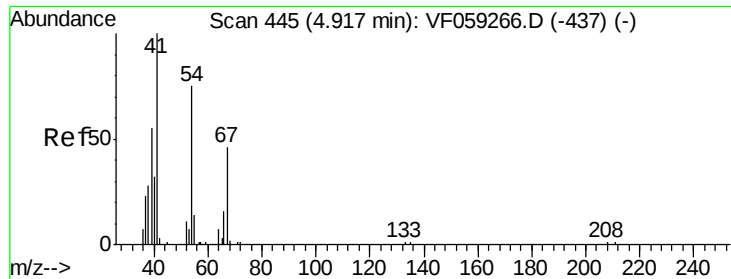
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#40
Benzene
Concen: 22.16 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	78	Resp	185805
Ion	Ratio	Lower	Upper
78	100		
77	23.0	20.4	30.6





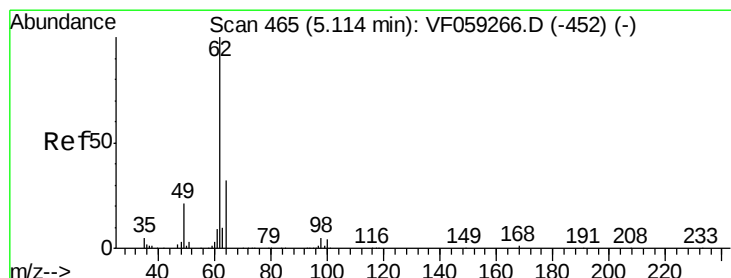
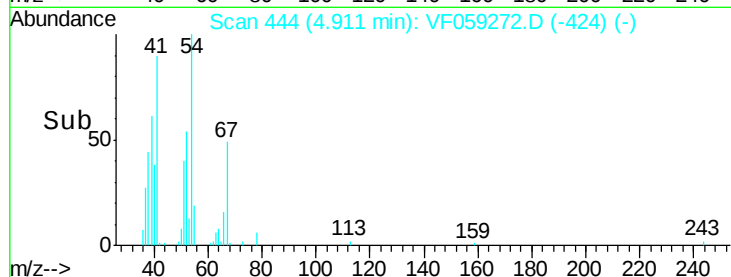
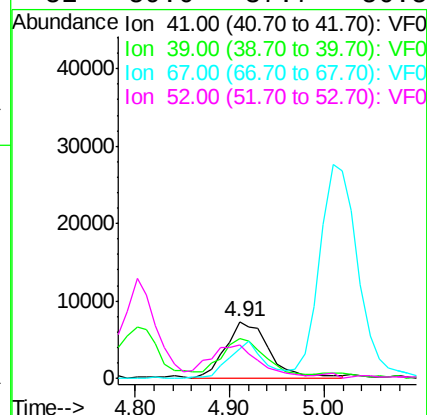
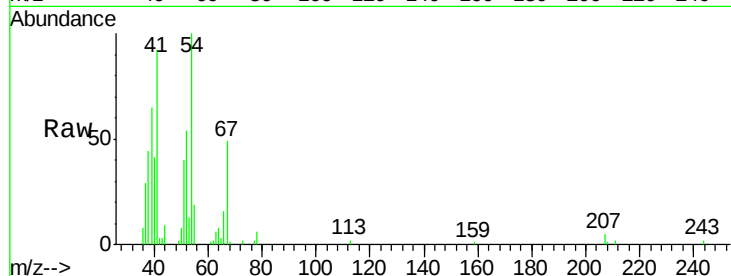
#41
Methacrylonitrile
Concen: 19.36 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	Ion	Ratio	Lower	Upper
23359	41	100		
	39	70.6	57.0	85.6
	67	52.6	36.8	55.2
	52	59.0	37.7	56.5

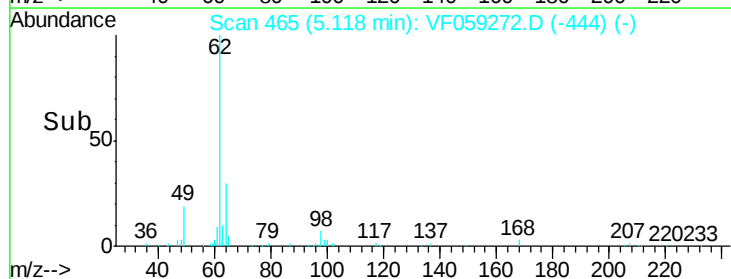
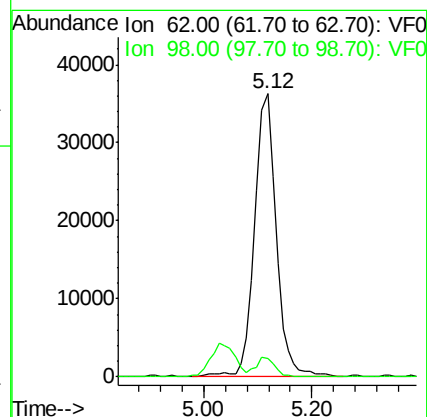
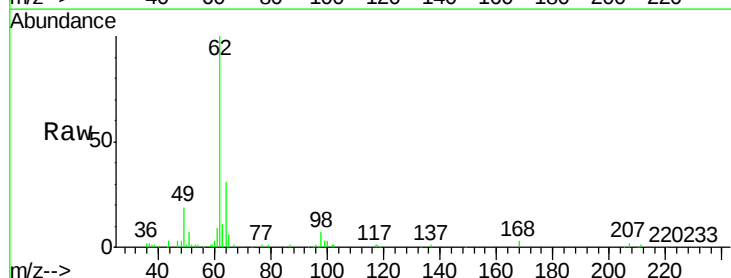
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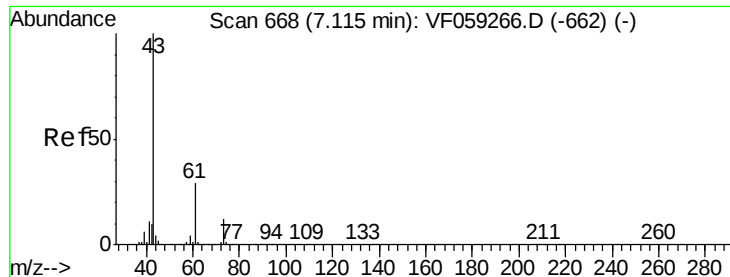
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#42
1,2-Dichloroethane
Concen: 20.94 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ion	Ratio	Lower	Upper
101149	62	100		
	98	6.5	0.0	10.4





#43

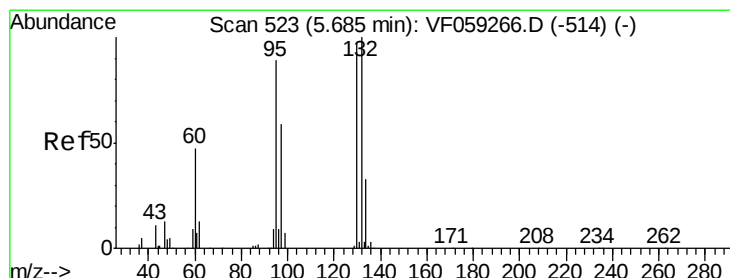
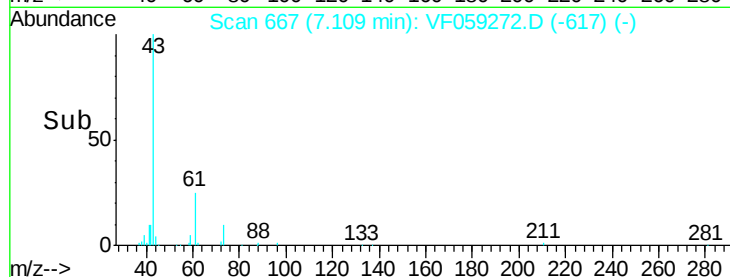
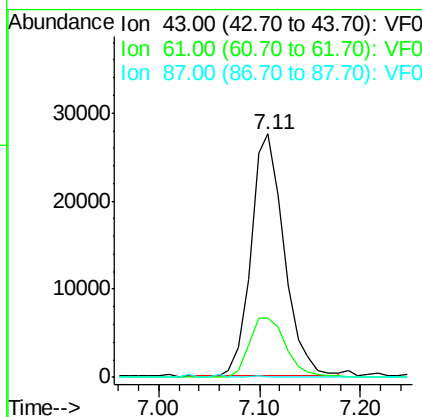
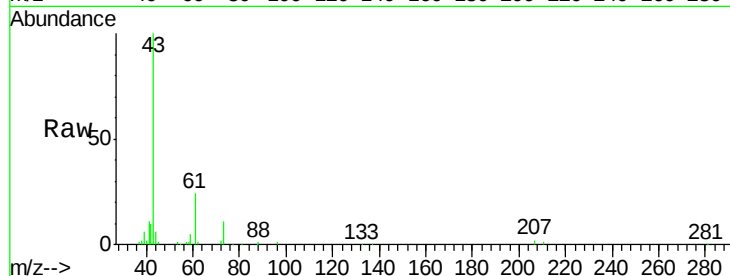
Isopropyl Acetate
 Concen: 20.27 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0621SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.2	22.8	34.2
87	0.4	0.3	0.5

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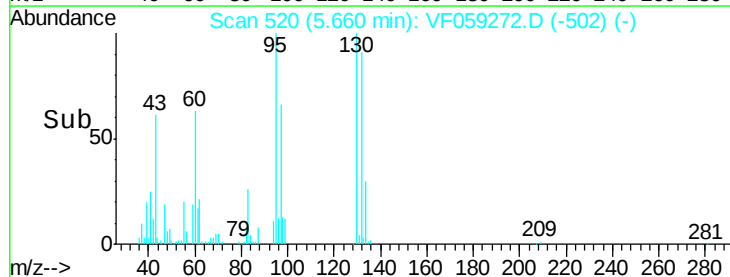
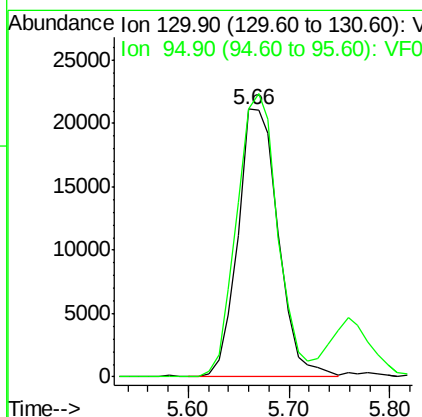
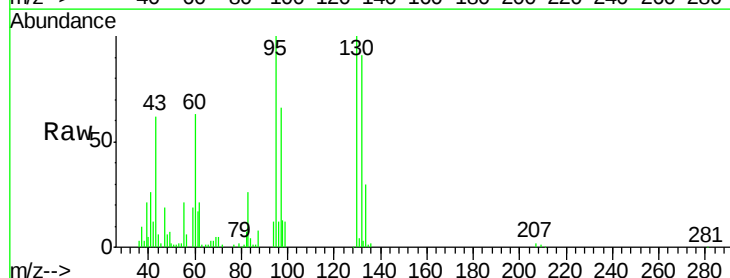
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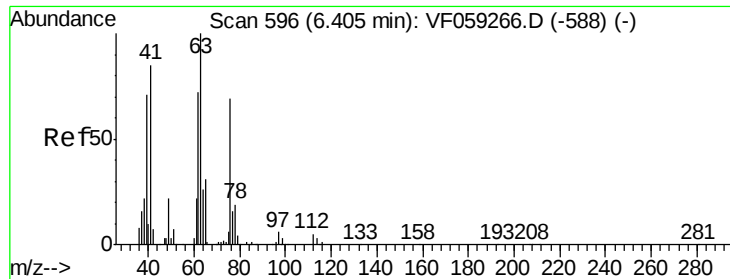


#44

Trichloroethene
 Concen: 20.27 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.03 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	183.6





#45

1,2-Dichloropropane

Concen: 20.85 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

VF0621SBS01

Tot Ion: 63 Resp: 51014

Ion Ratio Lower Upper

63 100

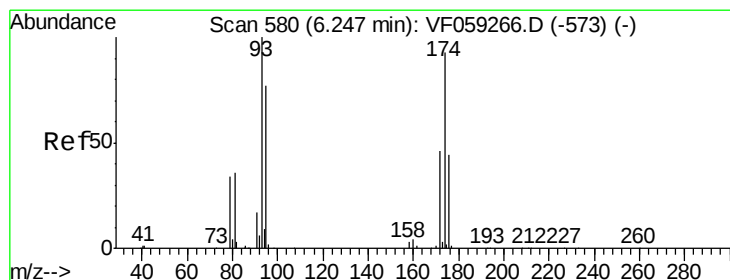
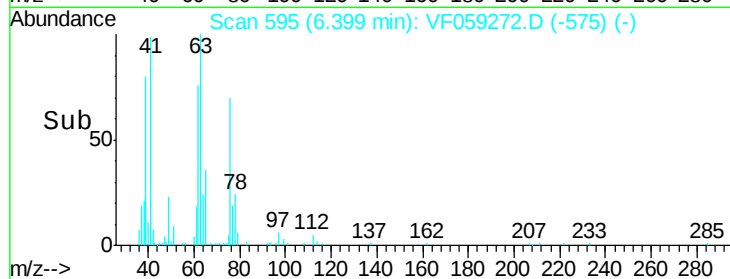
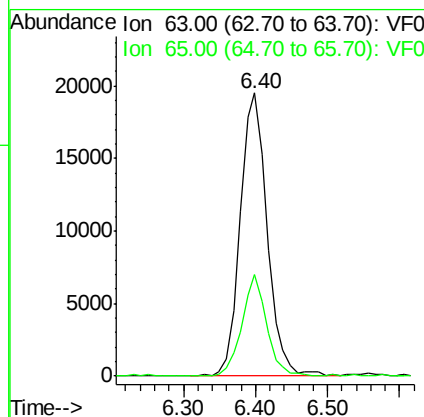
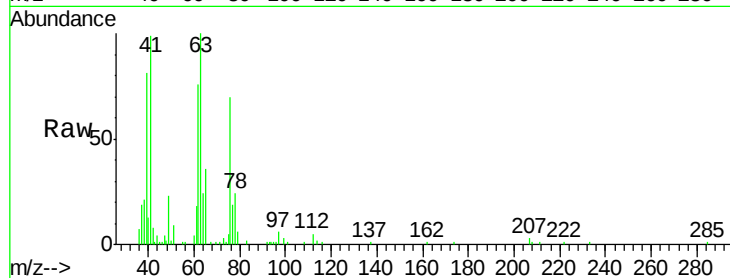
65 35.9 25.3 37.9

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#46

Dibromomethane

Concen: 20.91 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

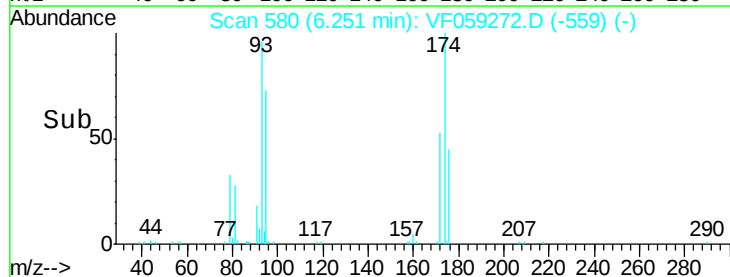
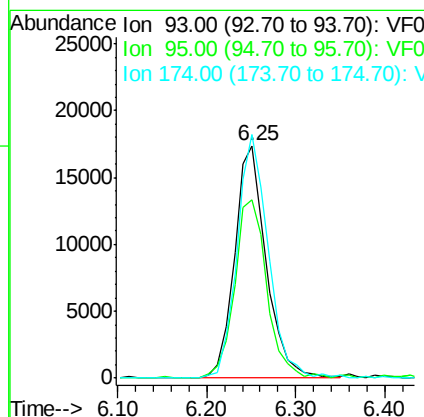
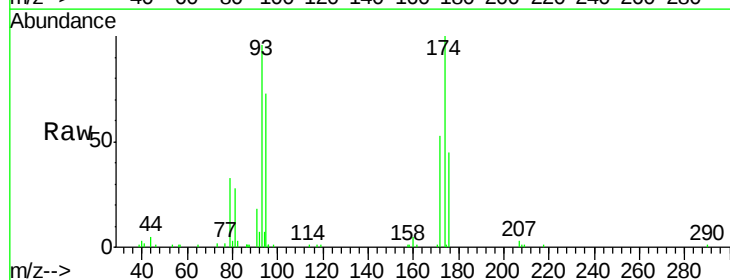
Tgt Ion: 93 Resp: 43173

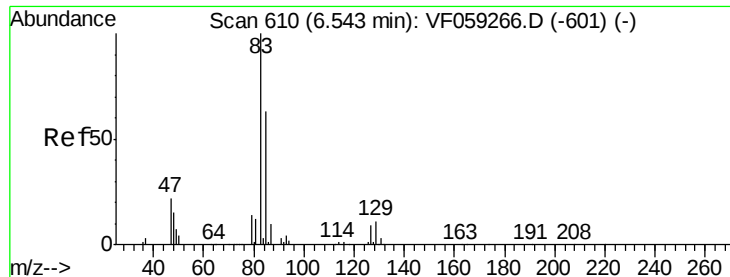
Ion Ratio Lower Upper

93 100

95 77.3 61.8 92.6

174 106.0 74.4 111.6





#47

Bromodichloromethane

Concen: 21.14 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

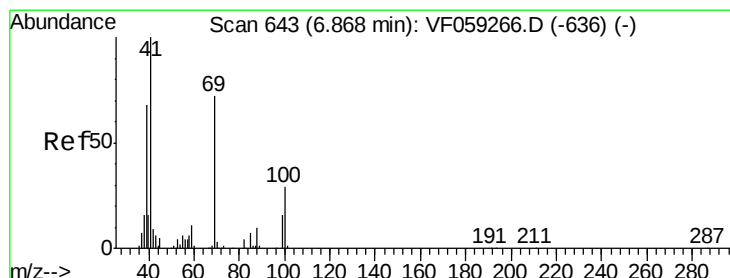
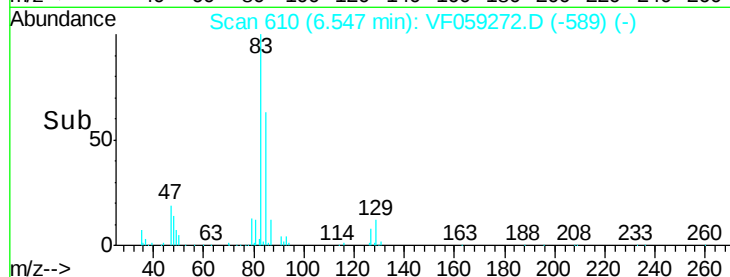
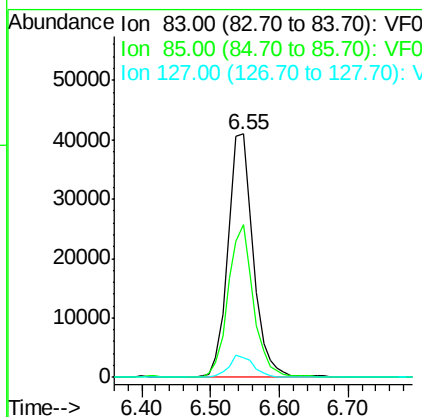
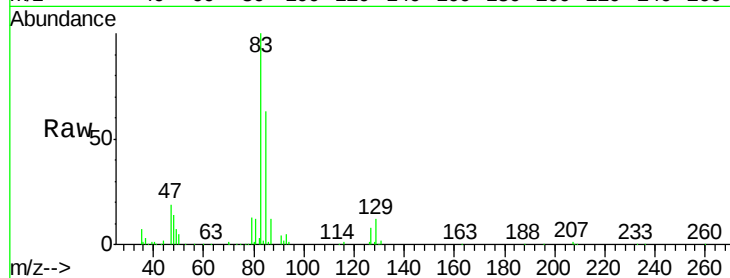
ClientSampleId :

VF0621SBS01

Tot Ion:	83	Resp:	104477
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.3	75.5
127	8.1	7.0	10.4

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#48

Methyl methacrylate

Concen: 20.87 ug/l

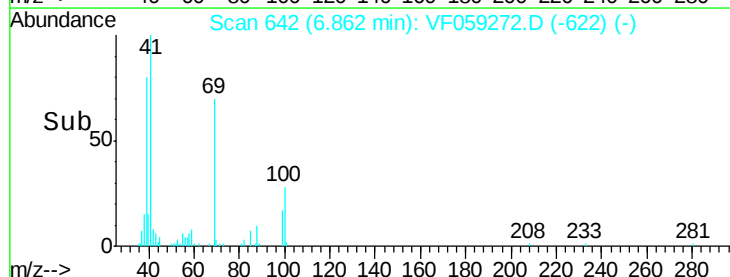
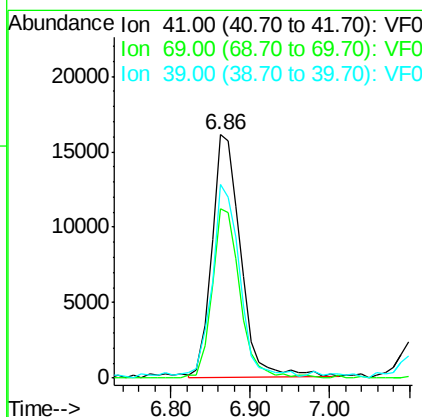
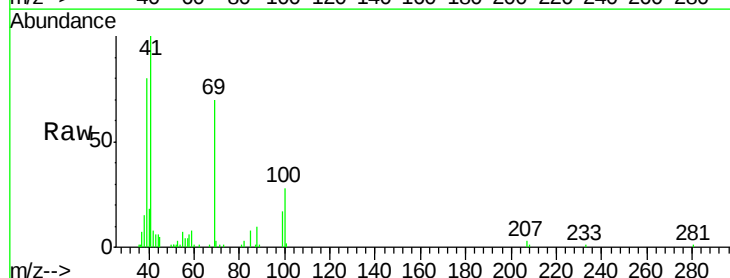
RT: 6.86 min Scan# 642

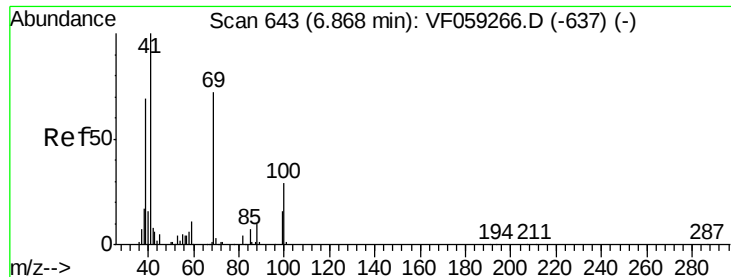
Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion:	41	Resp:	40880
Ion Ratio	Lower	Upper	
41	100		
69	69.7	57.4	86.2
39	79.5	54.8	82.2





#49

1,4-Dioxane

Concen: 400.25 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

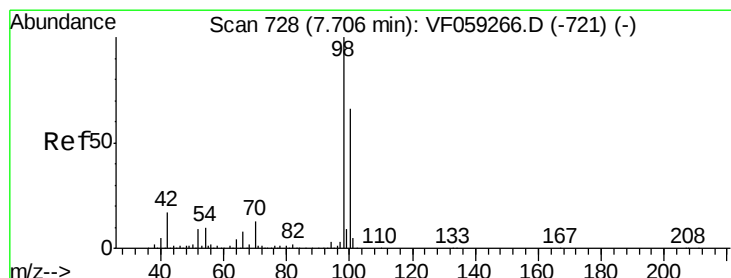
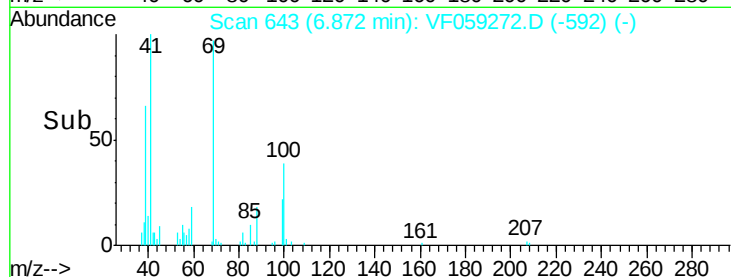
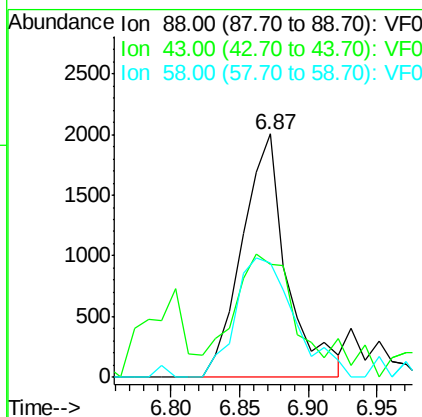
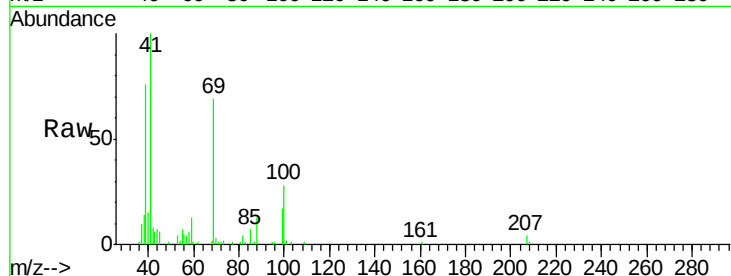
ClientSampleId :

VF0621SBS01

Tot Ion	88	Resp	4547
Ion	Ratio	Lower	Upper
88	100		
43	46.4	55.5	83.3#
58	47.0	50.1	75.1#

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#50

Toluene-d8

Concen: 47.71 ug/l

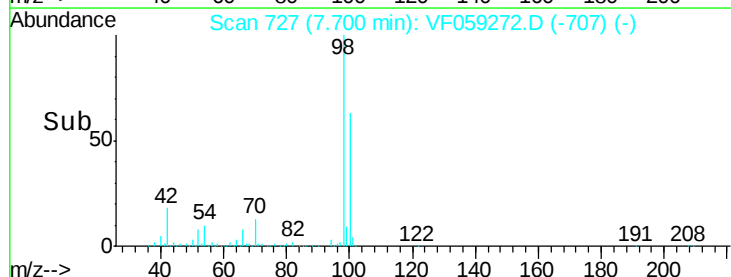
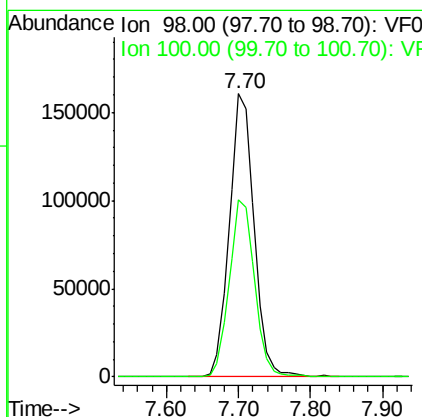
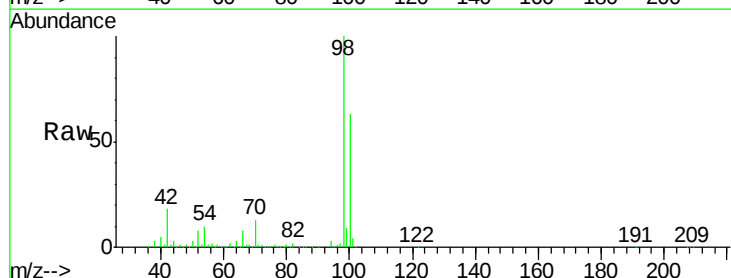
RT: 7.70 min Scan# 727

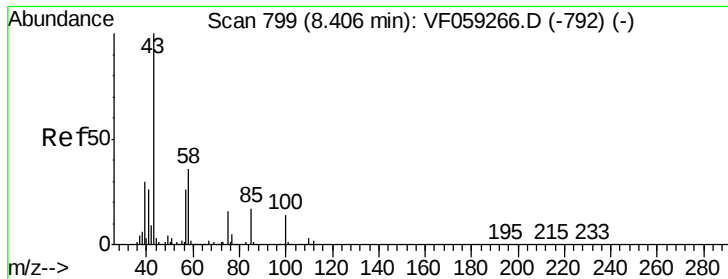
Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion	98	Resp	383951
Ion	Ratio	Lower	Upper
98	100		
100	62.6	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 103.98 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

VF0621SBS01

Tot Ion: 43 Resp: 229447

Ion Ratio Lower Upper

43 100

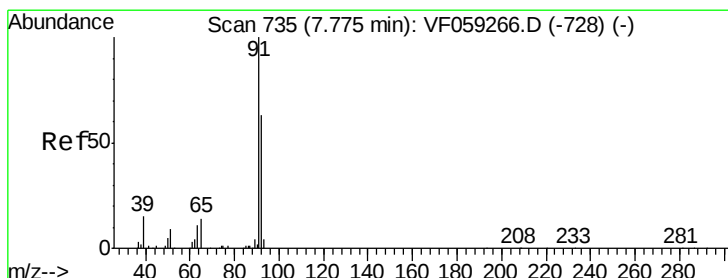
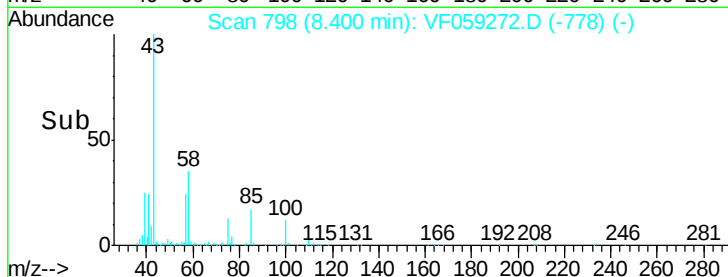
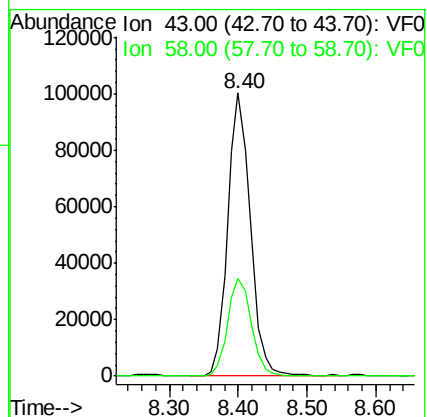
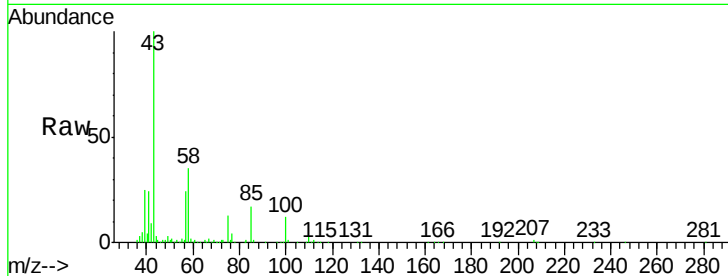
58 34.7 29.0 43.6

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#52

Toluene

Concen: 20.77 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059272.D

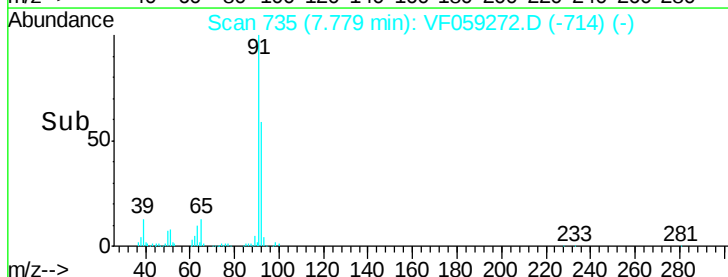
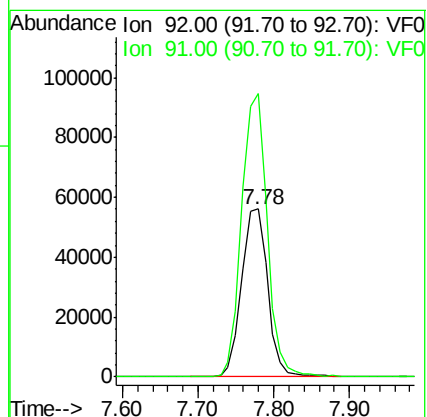
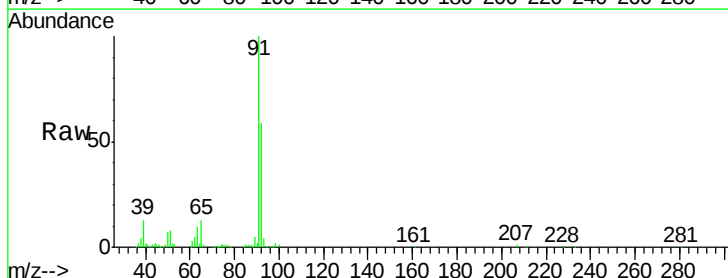
Acq: 21 Jun 2018 20:55

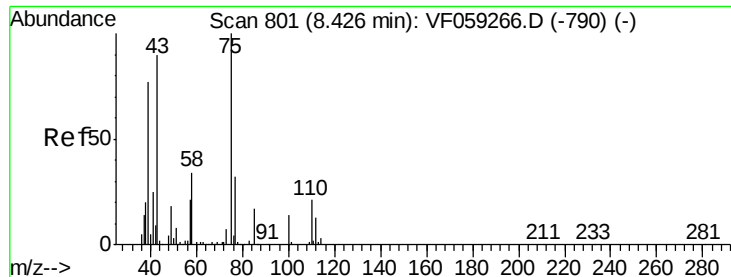
Tgt Ion: 92 Resp: 134408

Ion Ratio Lower Upper

92 100

91 168.7 127.8 191.6





#53

t-1,3-Dichloropropene

Concen: 20.85 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059272.D

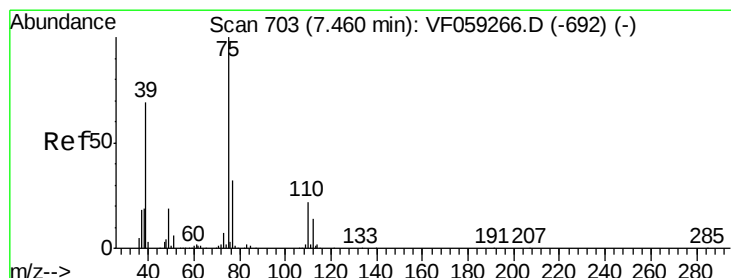
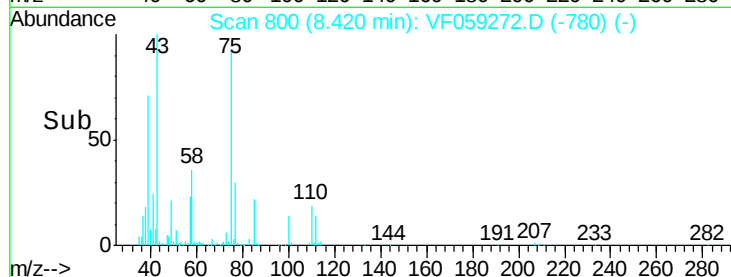
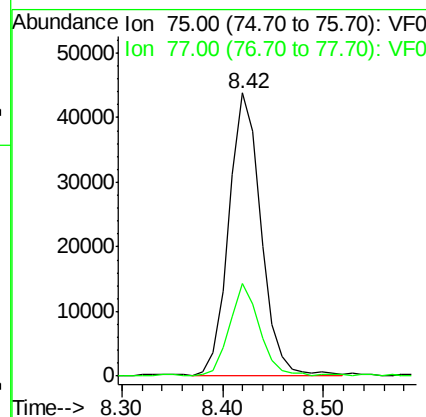
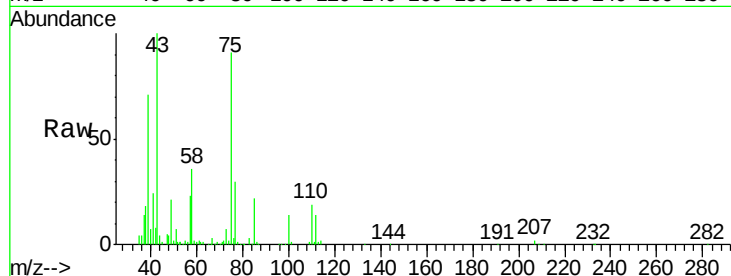
Acq: 21 Jun 2018 20:55

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.1	39.1

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

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#54

cis-1,3-Dichloropropene

Concen: 20.60 ug/l

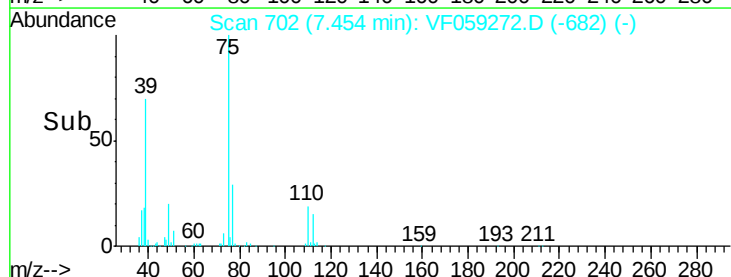
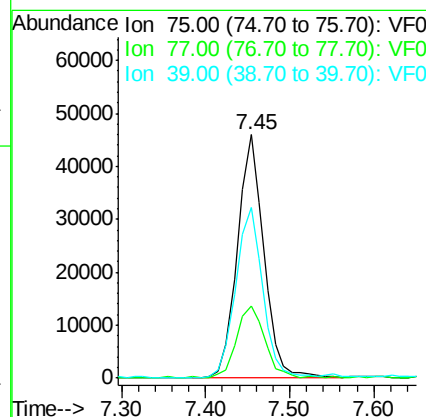
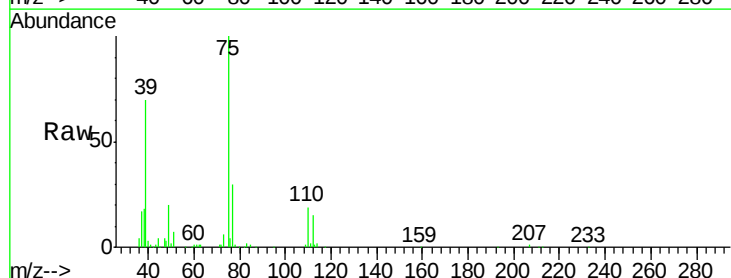
RT: 7.45 min Scan# 702

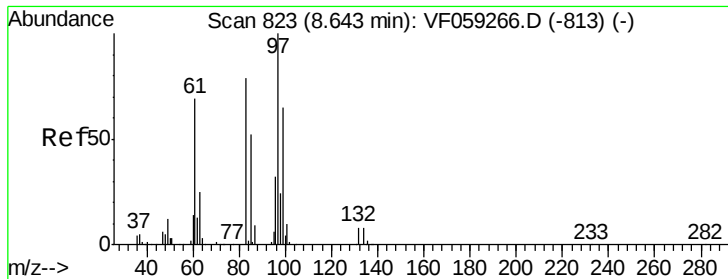
Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.7	26.0	39.0
39	70.1	55.5	83.3





#55

1,1,2-Trichloroethane

Concen: 21.12 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

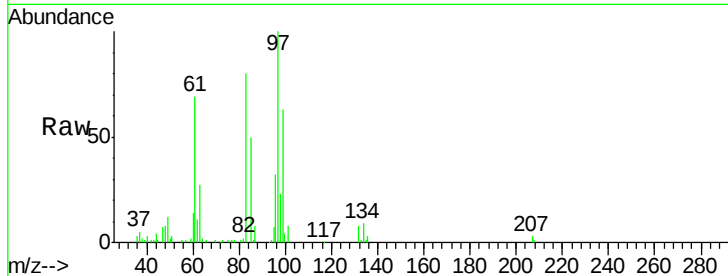
ClientSampleId :

VF0621SBS01

Tot Ion:	97	Resp:	52753
Ion	Ratio	Lower	Upper
97	100		
83	80.4	63.2	94.8
85	49.9	41.8	62.6
99	62.9	51.7	77.5

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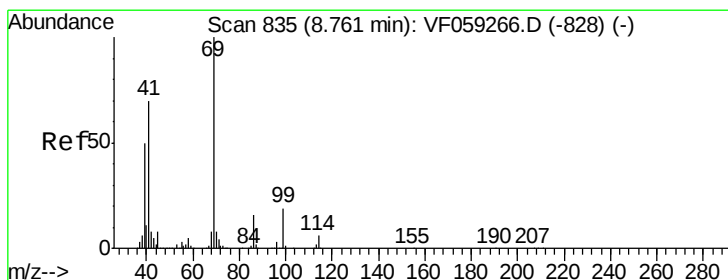
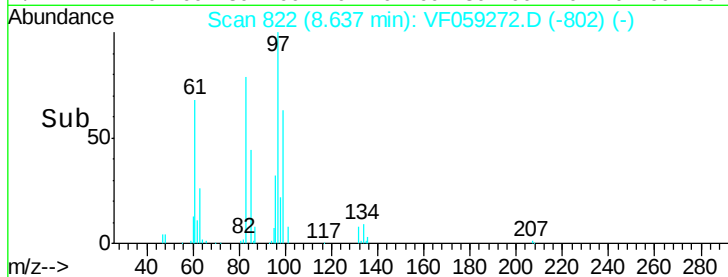
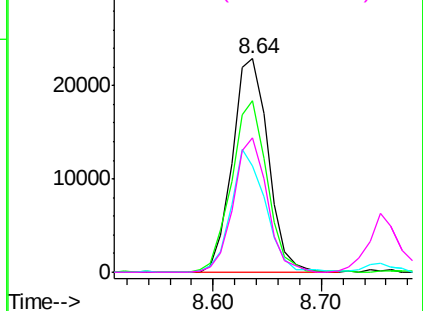


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.59 ug/l

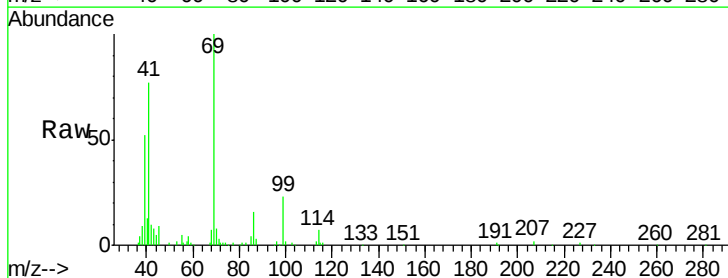
RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

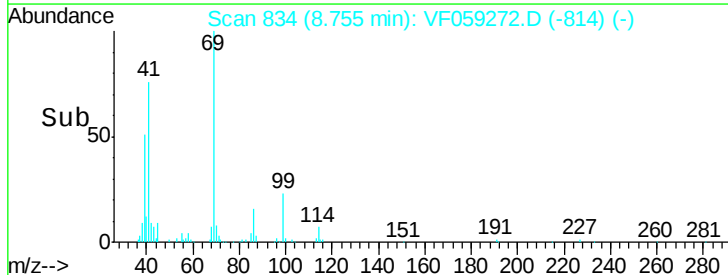
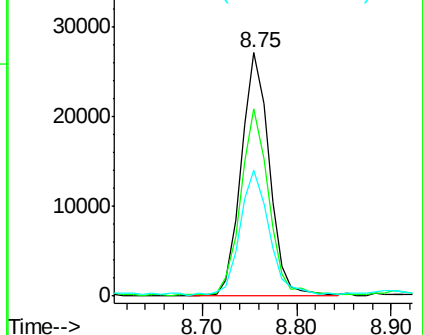
Tgt Ion:	69	Resp:	55952
Ion	Ratio	Lower	Upper
69	100		
41	76.9	56.6	85.0
39	51.9	40.5	60.7

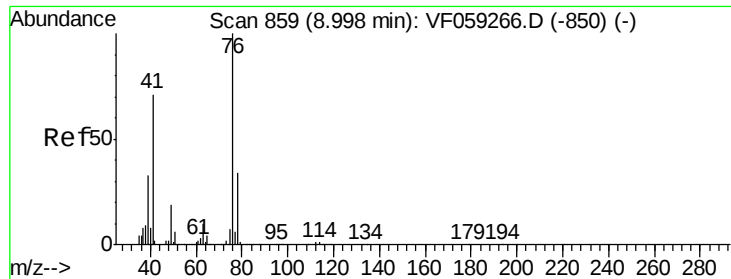


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.85 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

VF0621SBS01

Tot Ion: 76 Resp: 86149

Ion Ratio Lower Upper

76 100

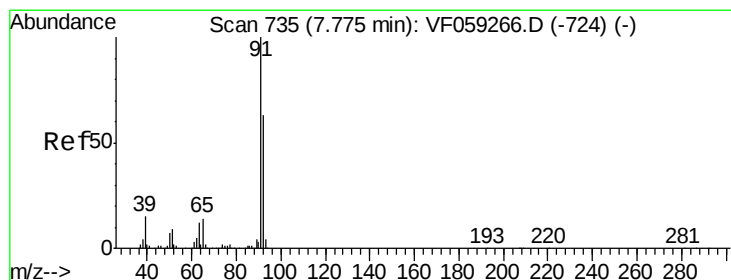
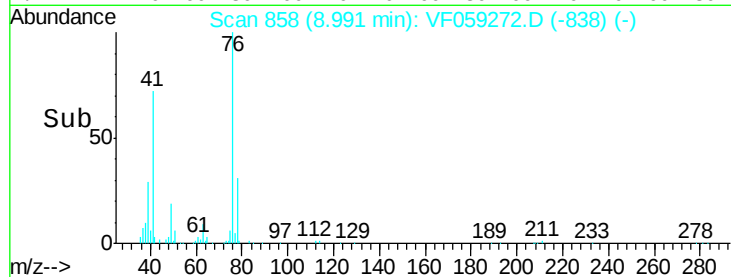
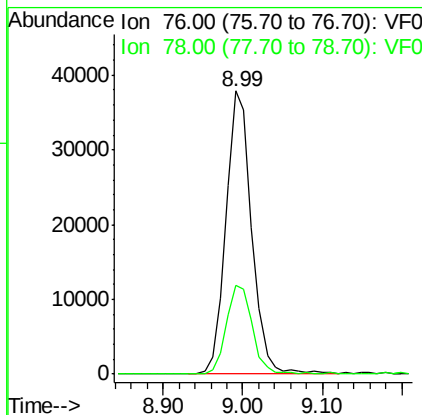
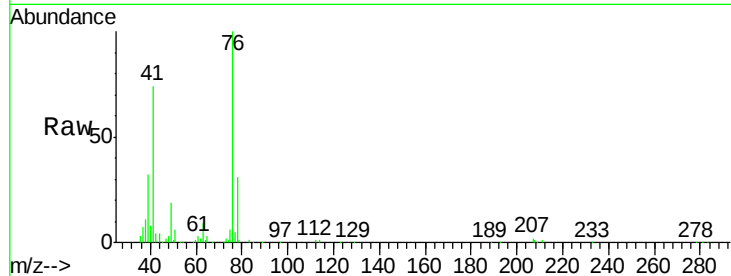
78 31.3 27.5 41.3

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#58

2-Chloroethyl Vinyl ether

Concen: 108.71 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059272.D

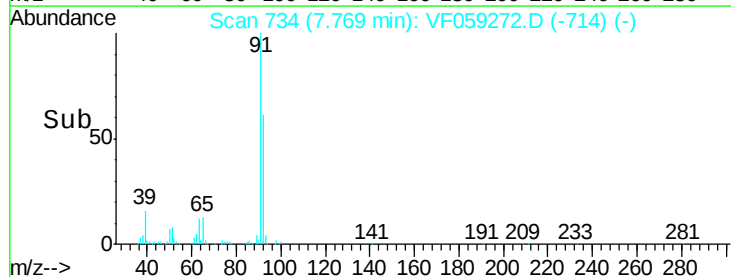
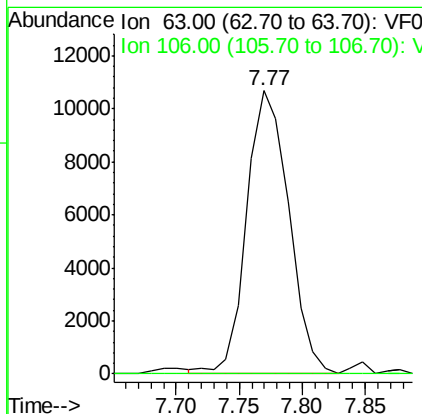
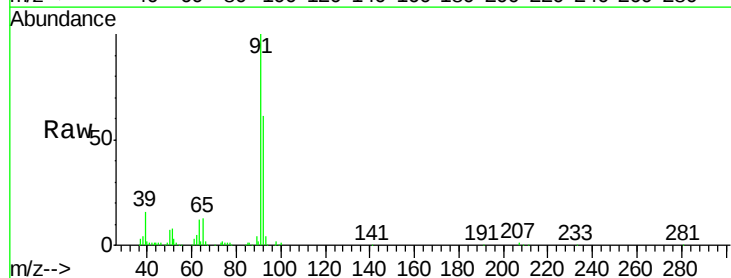
Acq: 21 Jun 2018 20:55

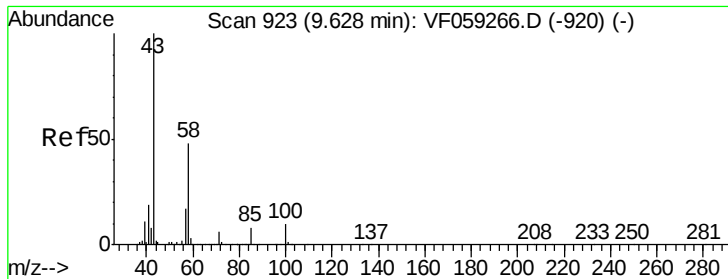
Tgt Ion: 63 Resp: 24831

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





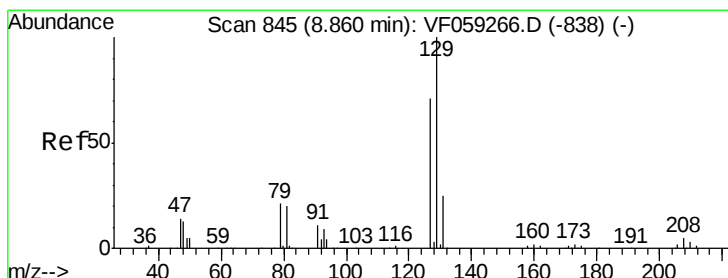
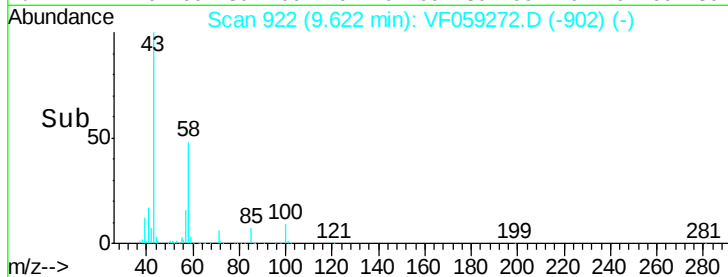
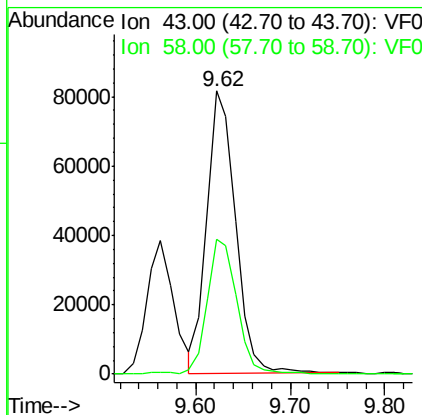
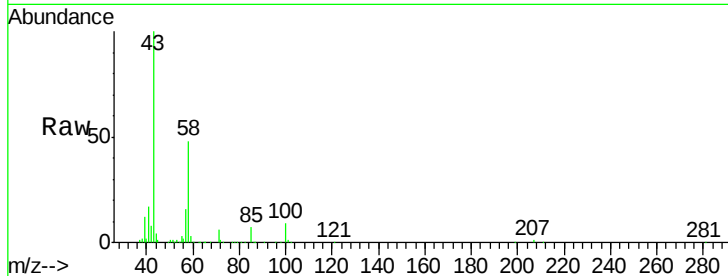
#59
2-Hexanone
Concen: 99.13 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	43	Resp	173415
Ion Ratio	Lower	Upper	
43	100		
58	47.5	23.3	69.9

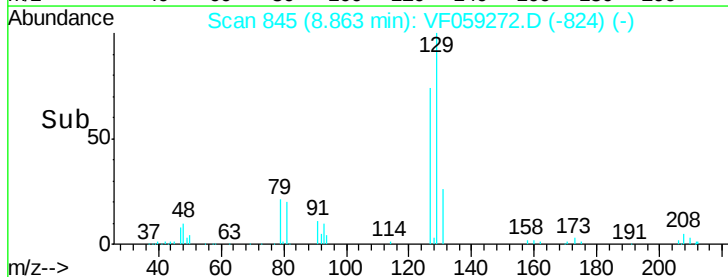
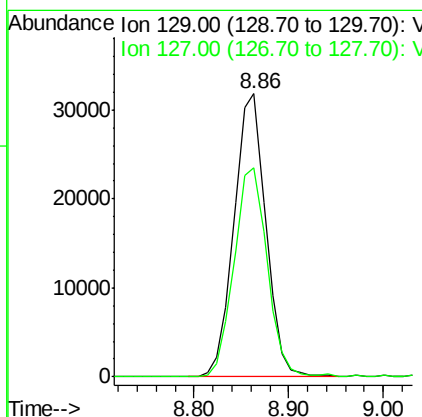
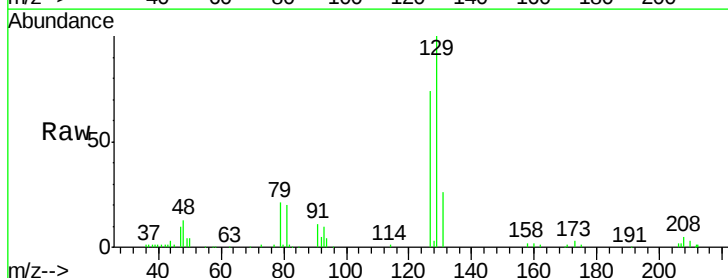
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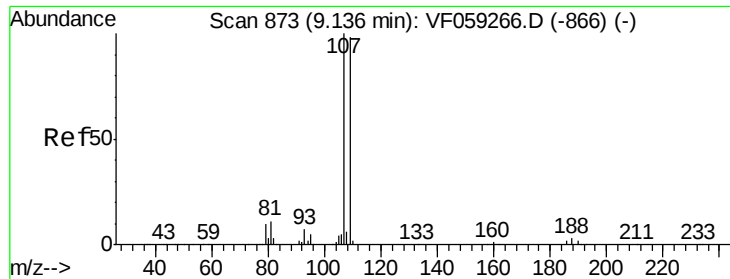
apatel
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#60
Dibromochloromethane
Concen: 20.19 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	129	Resp	74228
Ion Ratio	Lower	Upper	
129	100		
127	74.0	35.4	106.2





#61

1,2-Dibromoethane

Concen: 20.75 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

VF0621SBS01

Tot Ion:107 Resp: 59712

Ion Ratio Lower Upper

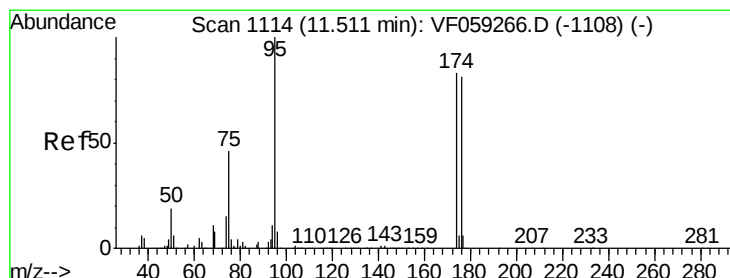
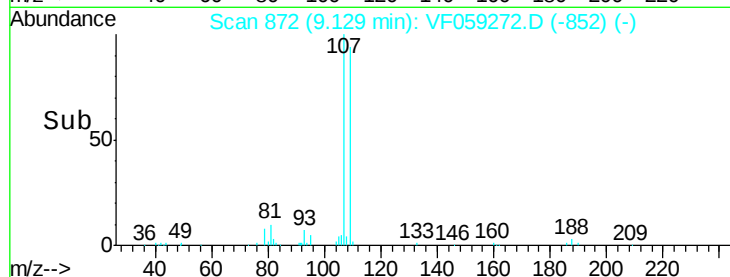
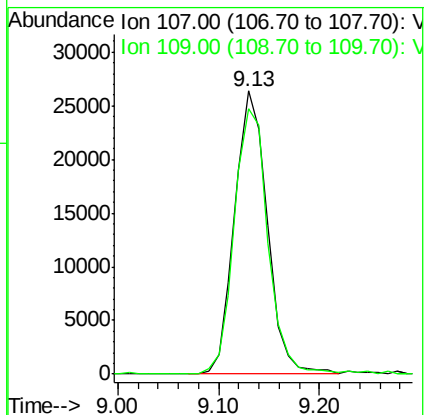
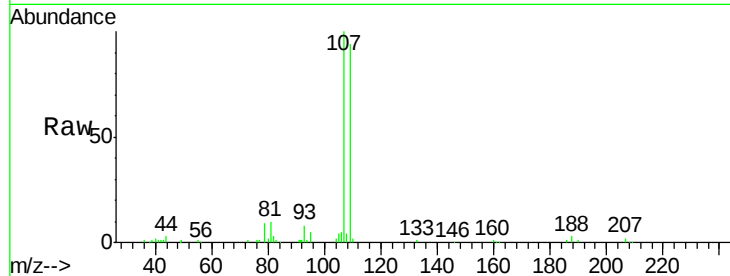
107 100

109 93.7 78.0 117.0

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#62

4-Bromofluorobenzene

Concen: 47.31 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

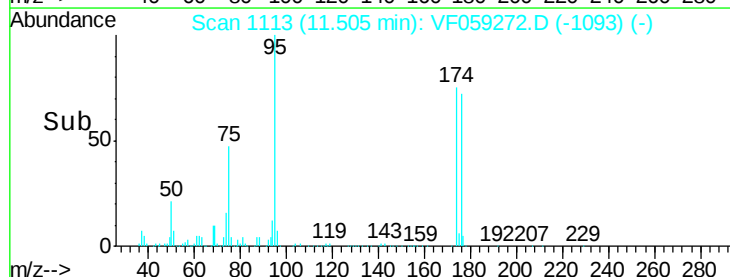
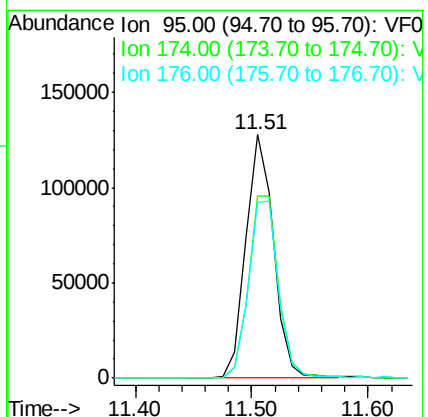
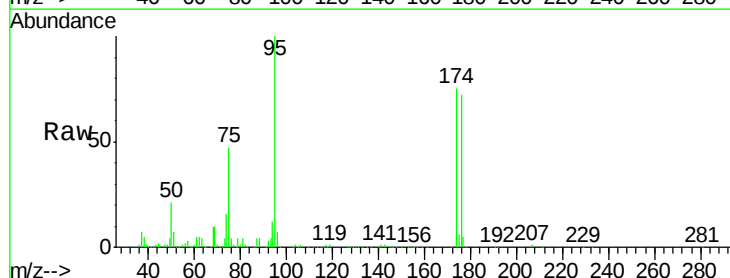
Tgt Ion: 95 Resp: 211128

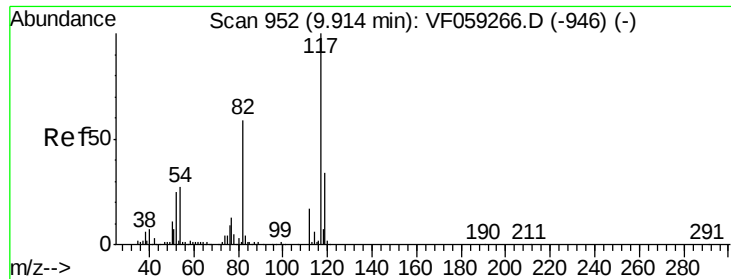
Ion Ratio Lower Upper

95 100

174 75.1 0.0 166.2

176 72.1 0.0 162.8





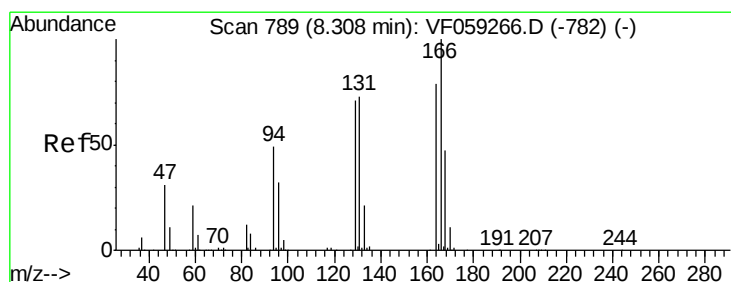
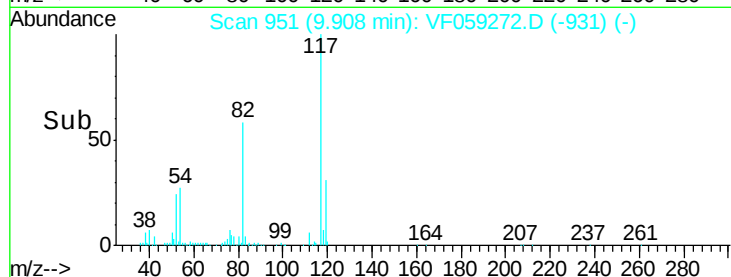
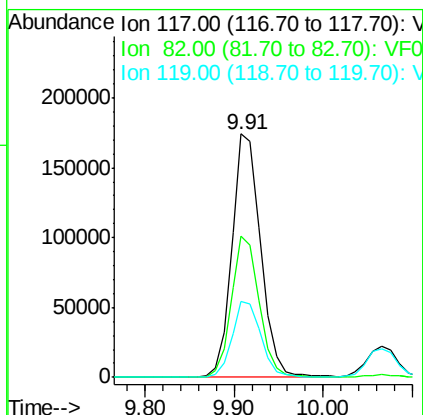
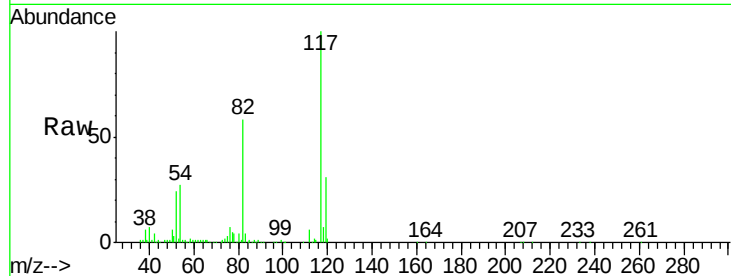
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	394091		
82	58.2		47.1	70.7
119	31.2		26.9	40.3

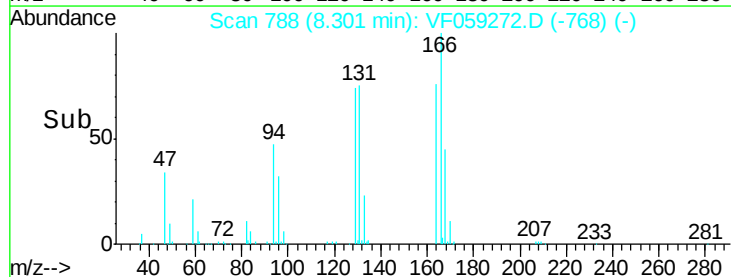
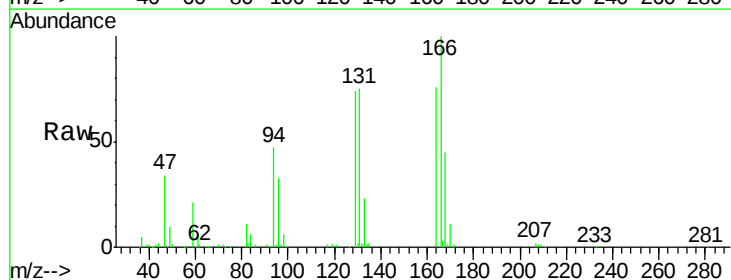
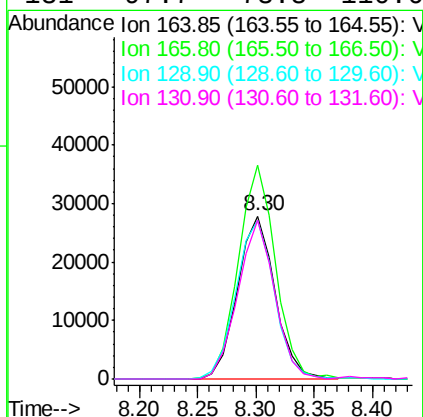
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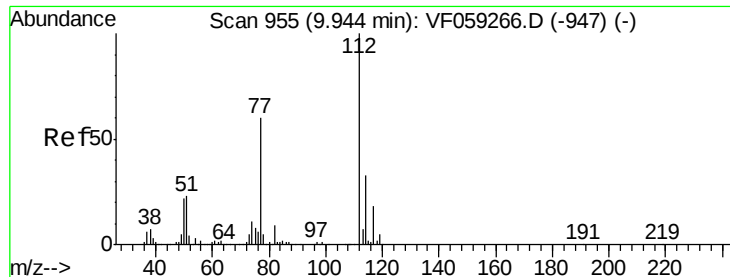
apatel
6/22/2018 11:34:54 AM



#64
Tetrachloroethene
Concen: 20.53 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62137		
166	131.1		101.4	152.2
129	97.1		72.2	108.4
131	97.7		73.8	110.6





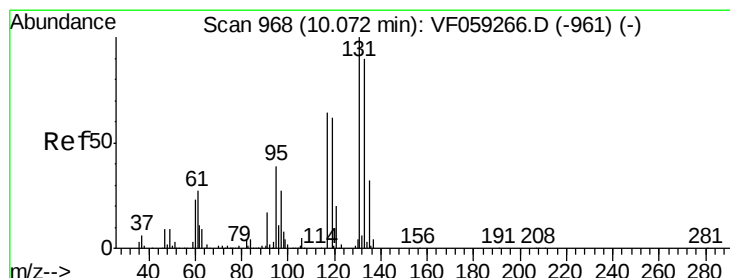
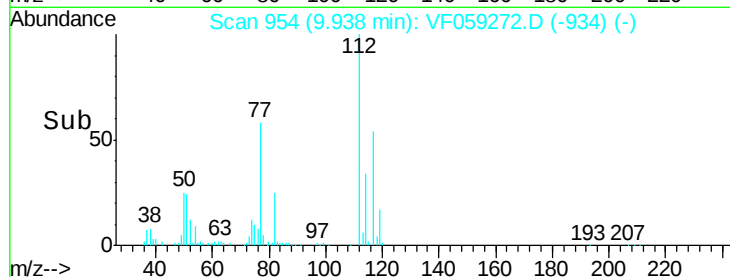
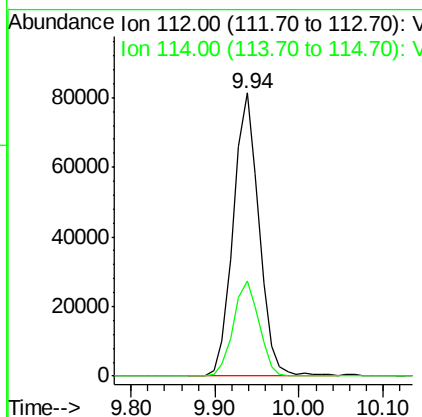
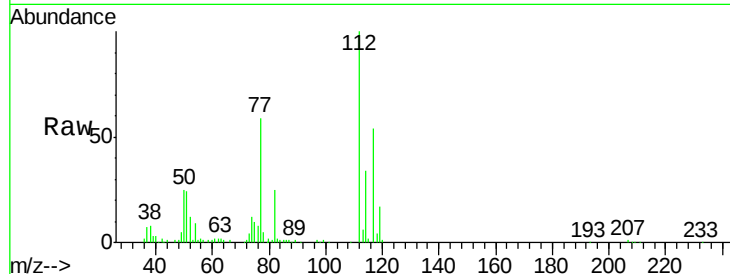
#65
Chlorobenzene
Concen: 20.69 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	26.4	39.6

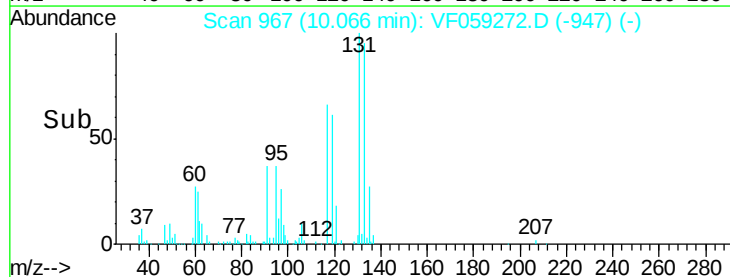
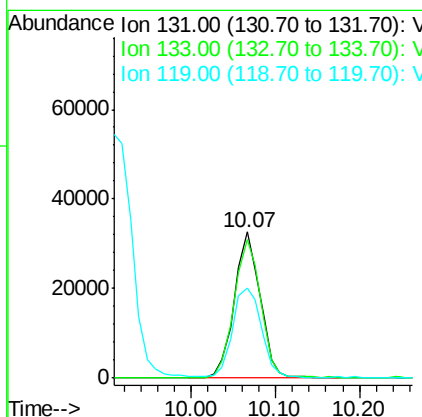
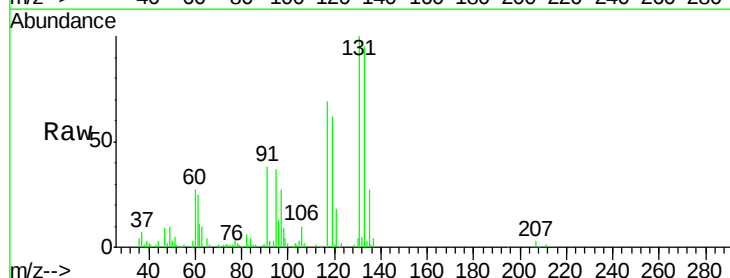
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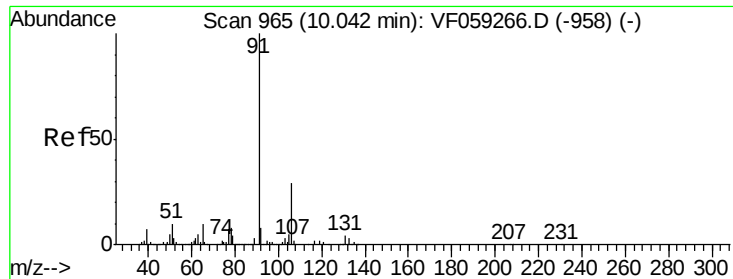
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.07 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	45.1	135.2
119	61.9	31.2	93.6





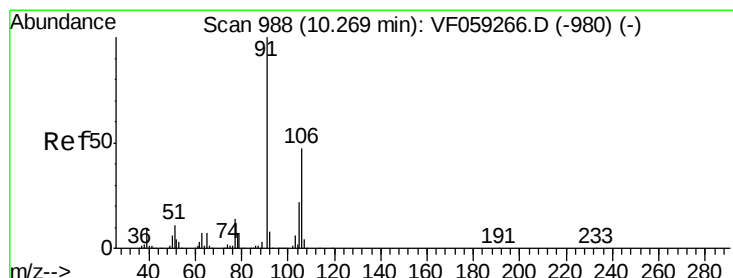
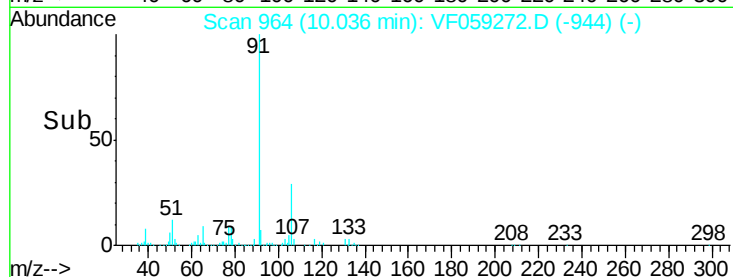
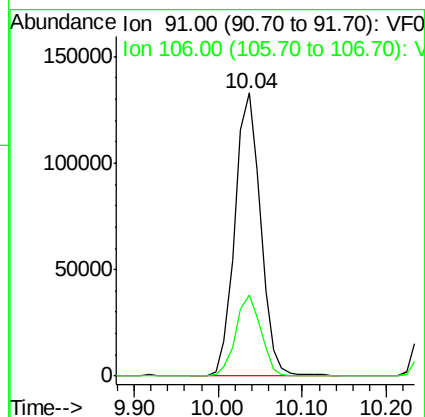
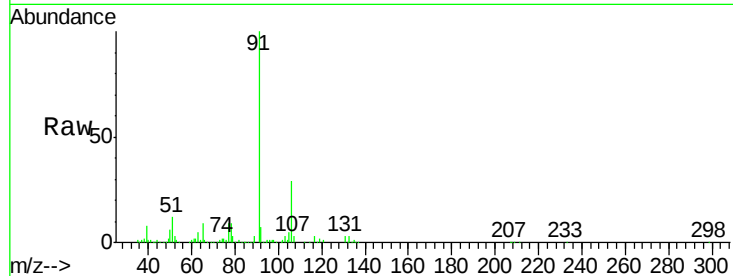
#67
Ethyl Benzene
Concen: 19.95 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion: 91 Resp: 284065
Ion Ratio Lower Upper
91 100
106 28.6 23.4 35.2

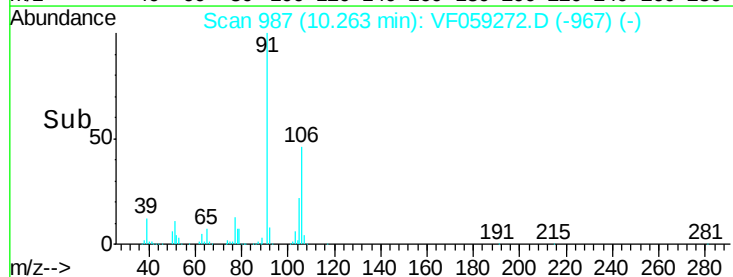
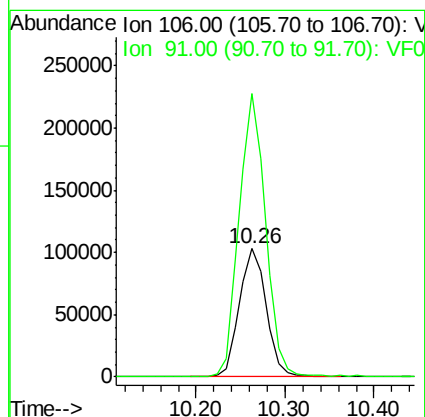
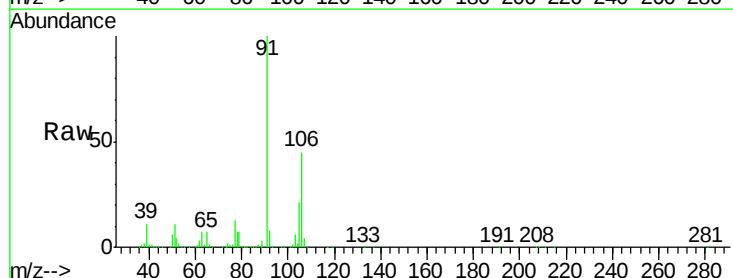
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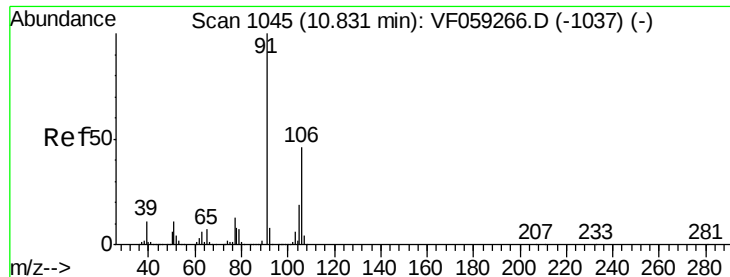
apatel
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#68
m/p-Xylenes
Concen: 42.66 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion: 106 Resp: 218298
Ion Ratio Lower Upper
106 100
91 221.3 168.8 253.2





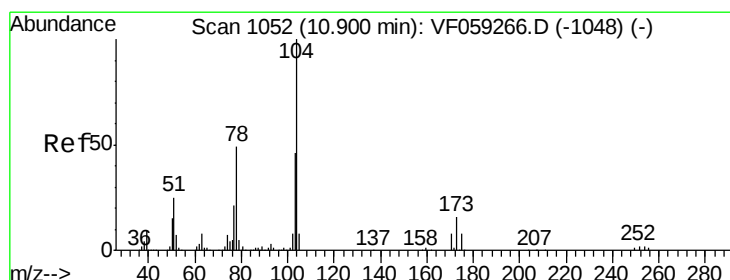
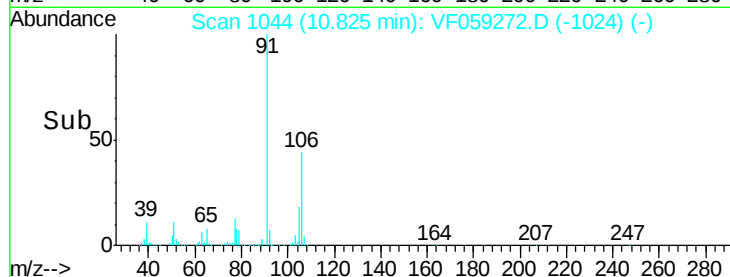
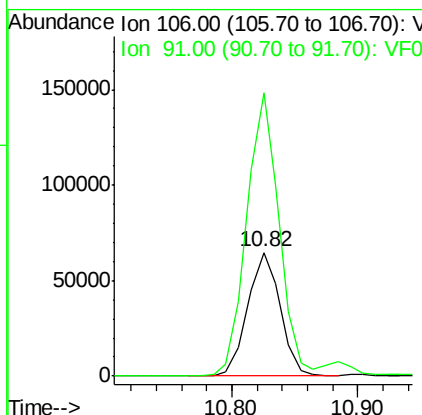
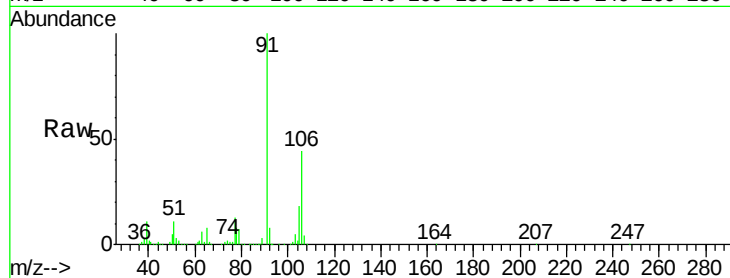
#69
o-Xylene
Concen: 20.56 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion:106 Resp: 116180
Ion Ratio Lower Upper
106 100
91 229.1 109.1 327.4

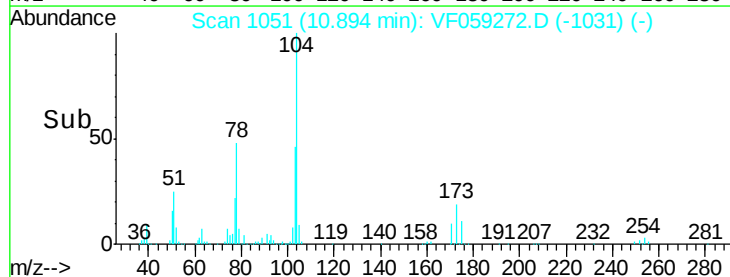
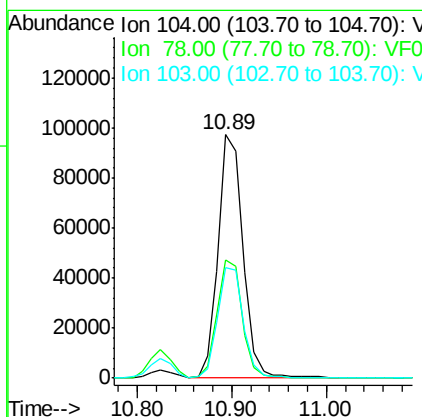
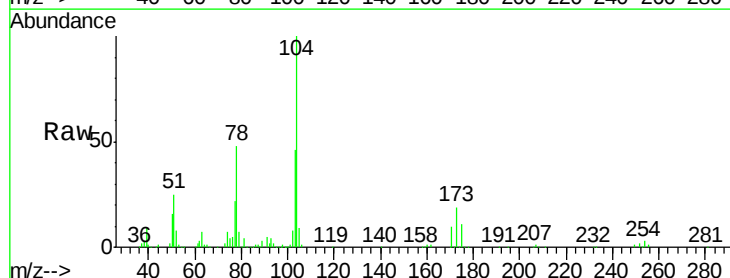
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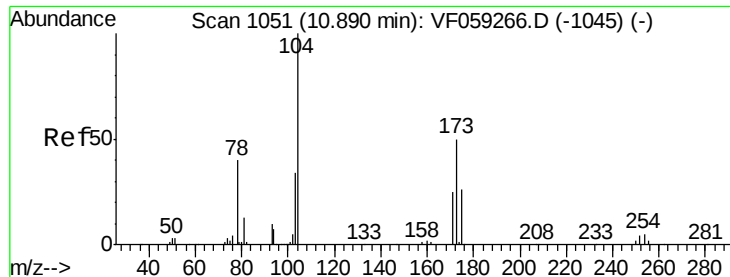
apatel
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#70
Styrene
Concen: 20.81 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion:104 Resp: 177318
Ion Ratio Lower Upper
104 100
78 48.5 39.3 58.9
103 45.5 36.6 55.0





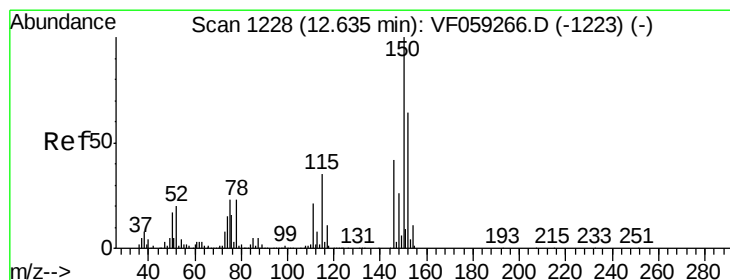
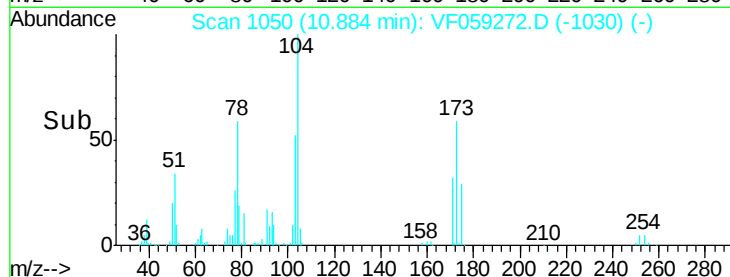
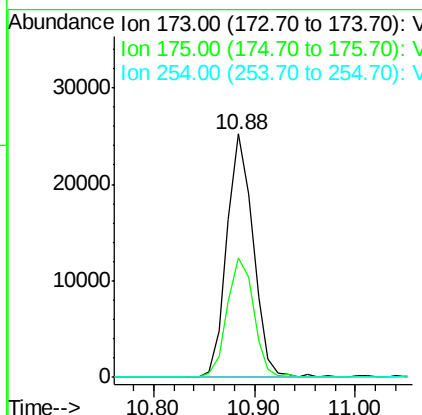
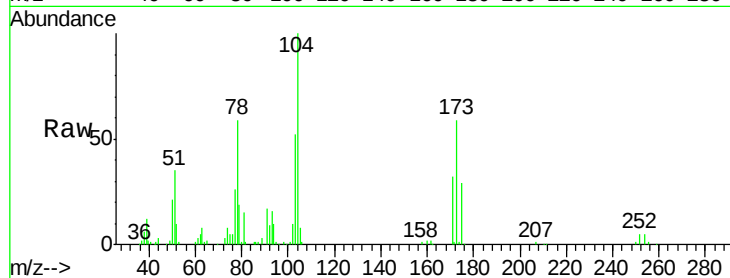
#71
Bromoform
Concen: 18.35 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	25.4	76.4
254	0.0	0.0	0.0

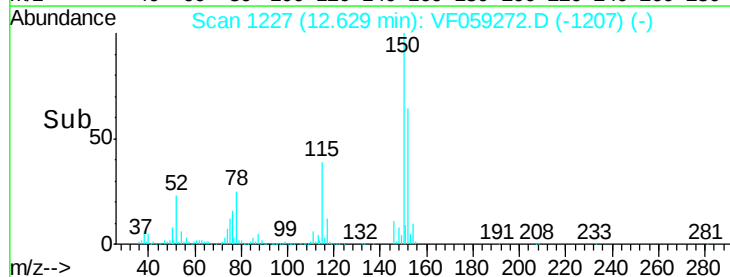
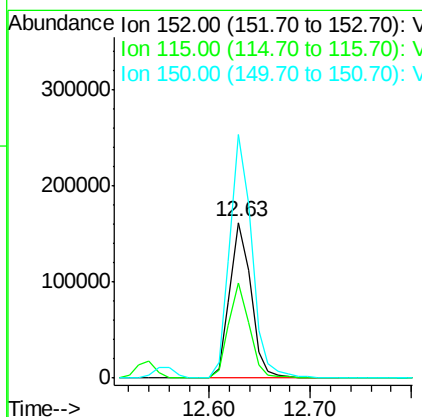
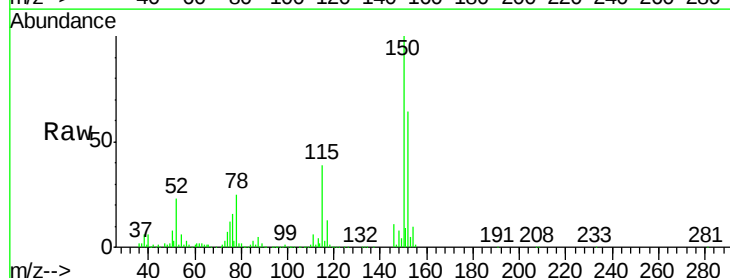
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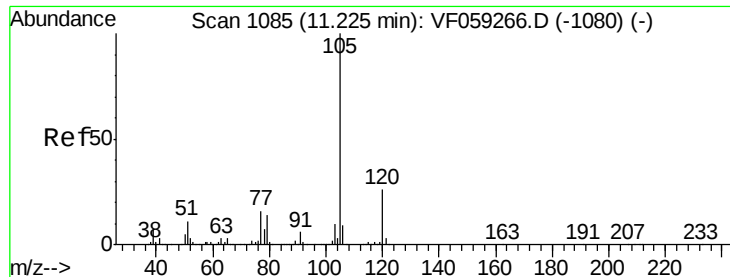
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	27.8	83.3
150	156.6	0.0	313.8





#73

Isopropylbenzene

Concen: 21.95 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

VF0621SBS01

Tot Ion:105 Resp: 362734

Ion Ratio Lower Upper

105 100

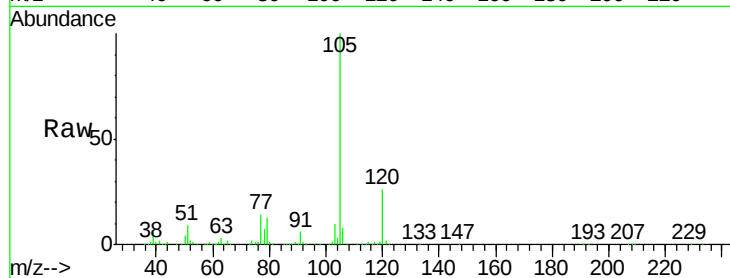
120 25.9 12.9 38.7

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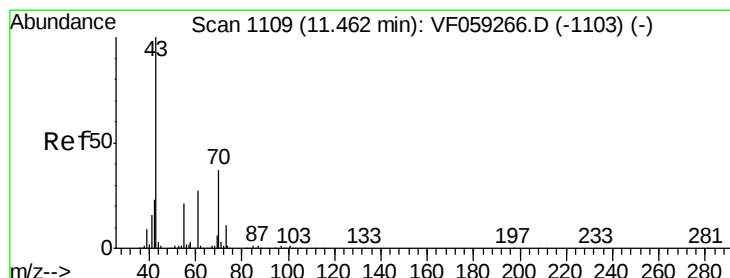
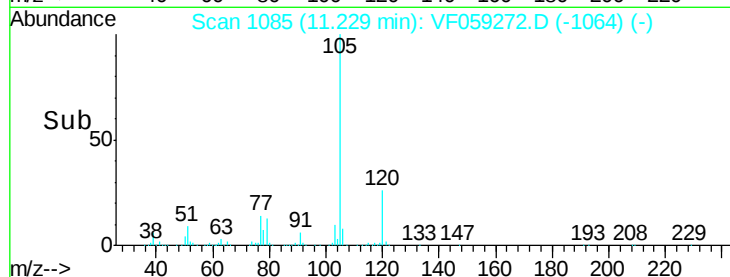
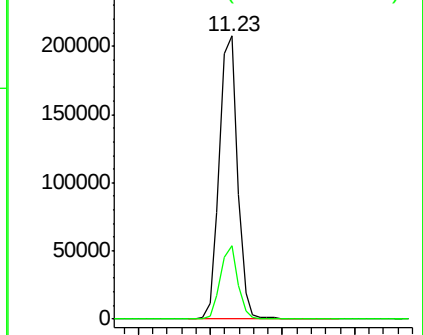
apatel

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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: 21.31 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion: 43 Resp: 114941

Ion Ratio Lower Upper

43 100

70 36.5 29.6 44.4

55 22.1 17.0 25.4

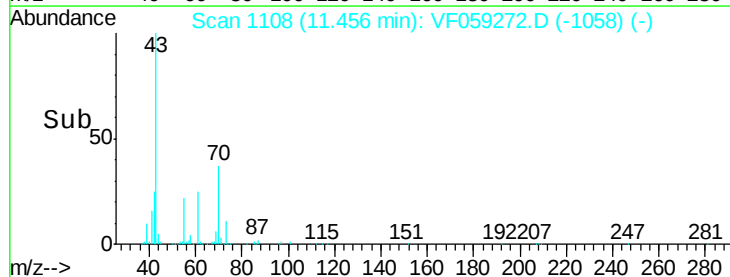
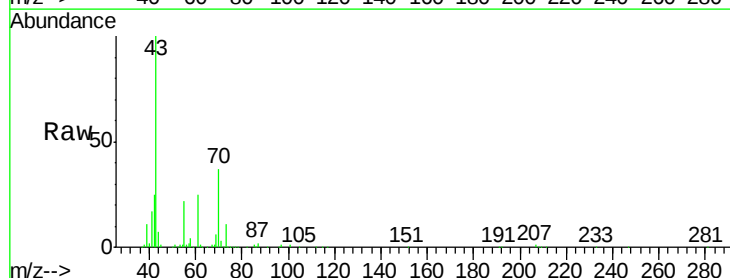
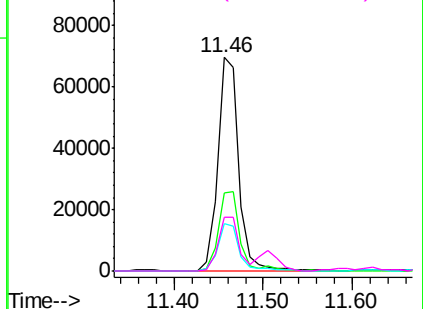
61 25.3 21.4 32.2

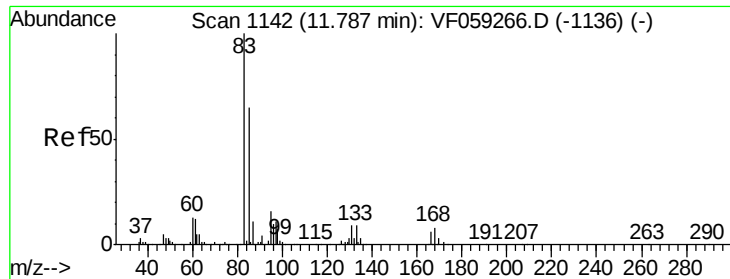
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 20.37 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

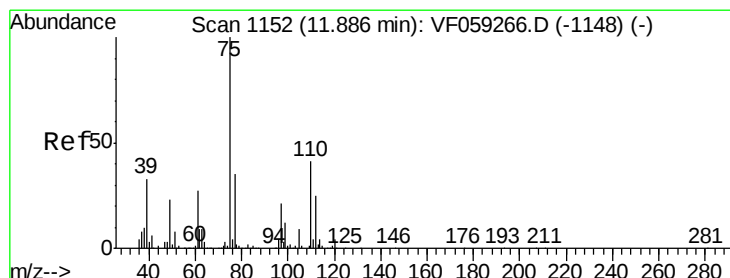
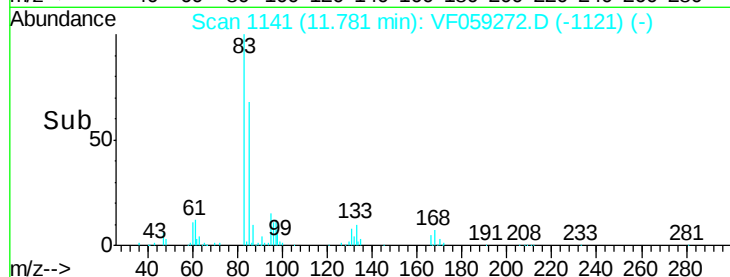
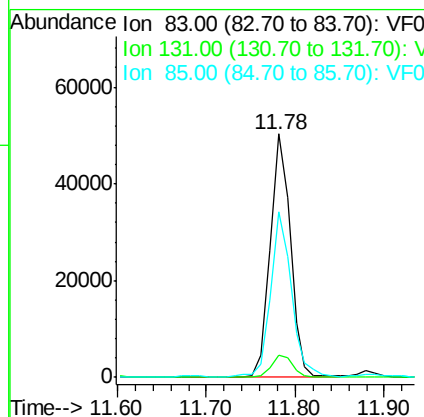
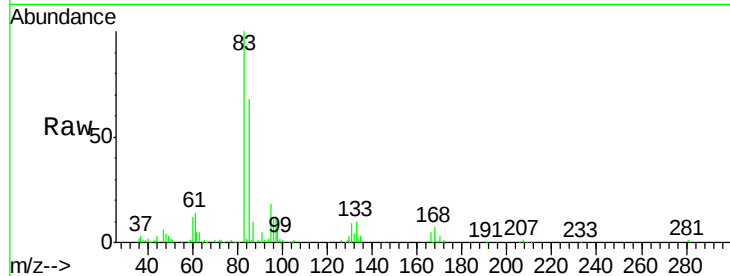
ClientSampleId :

VF0621SBS01

Tot Ion:	83	Resp:	78974
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.8	14.3
85	67.9	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 20.42 ug/l

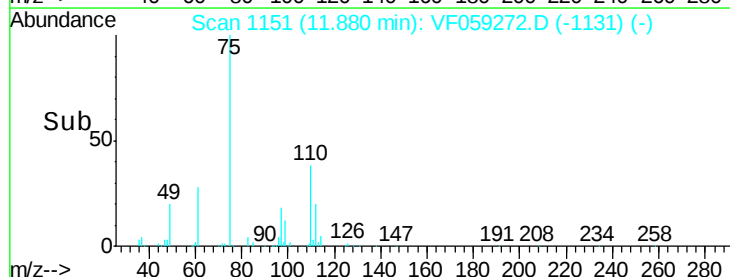
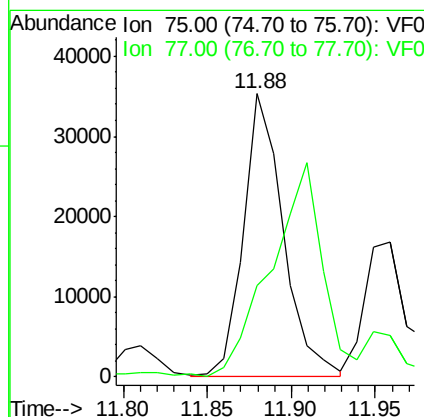
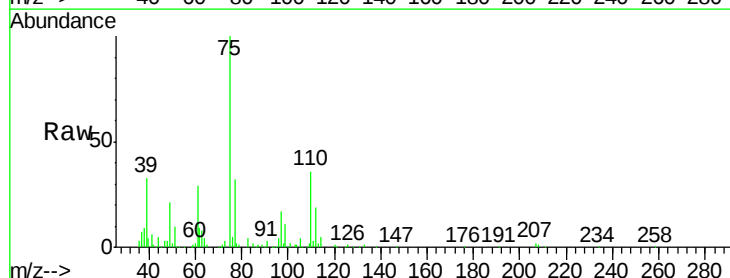
RT: 11.88 min Scan# 1151

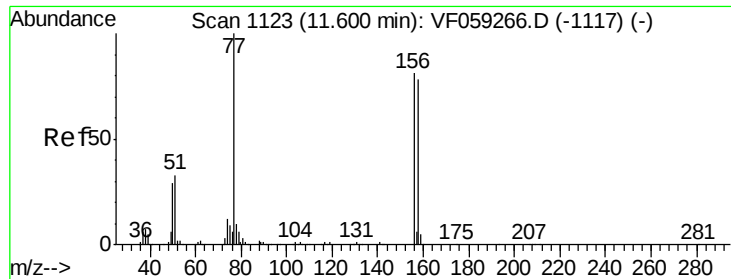
Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion:	75	Resp:	57962
Ion Ratio	Lower	Upper	
75	100		
77	32.1	17.4	52.2





#77

Bromobenzene

Concen: 19.53 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

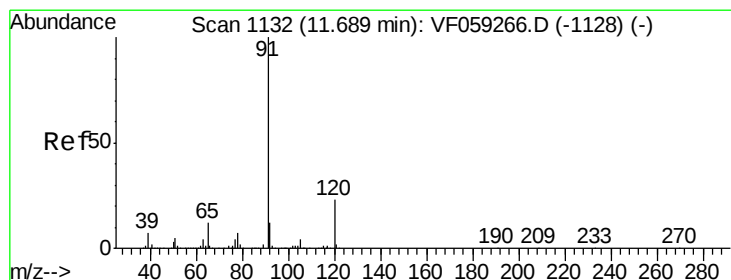
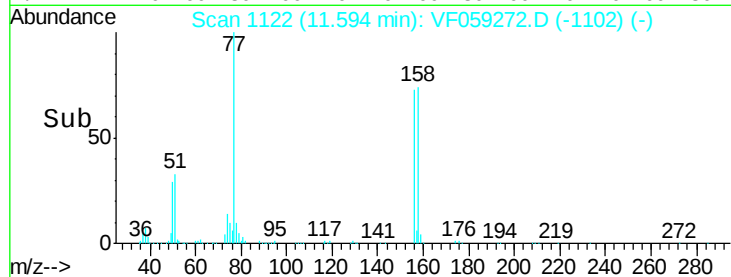
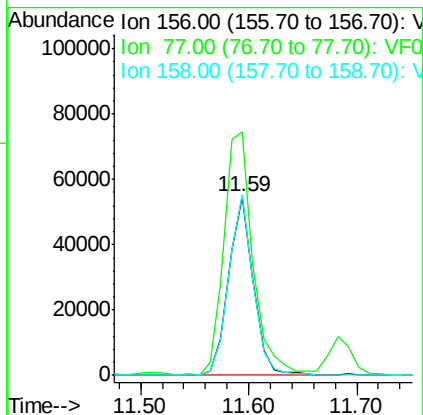
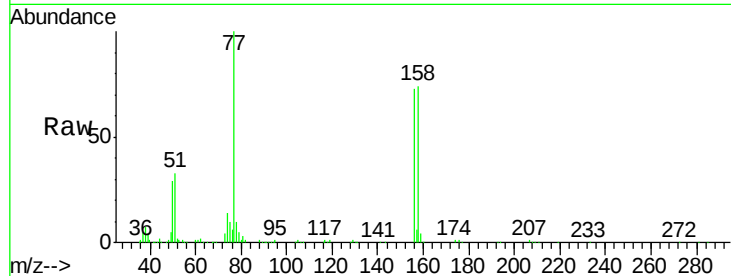
ClientSampleId :

VF0621SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	136.4	61.7	185.0	
158	101.2	48.2	144.6	

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#78

n-propylbenzene

Concen: 21.85 ug/l

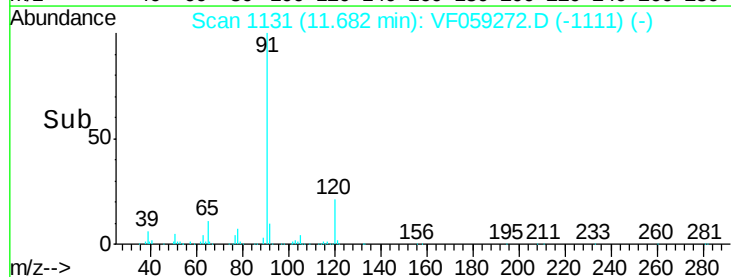
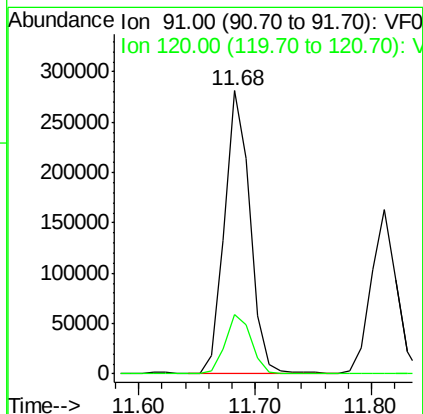
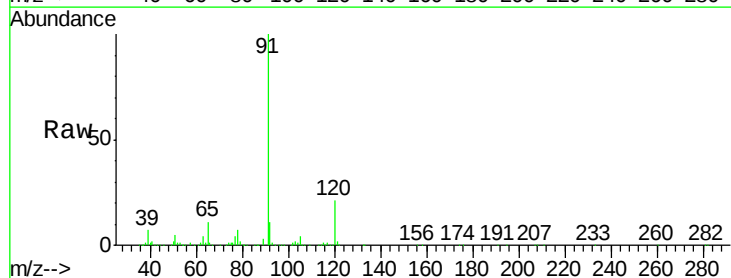
RT: 11.68 min Scan# 1131

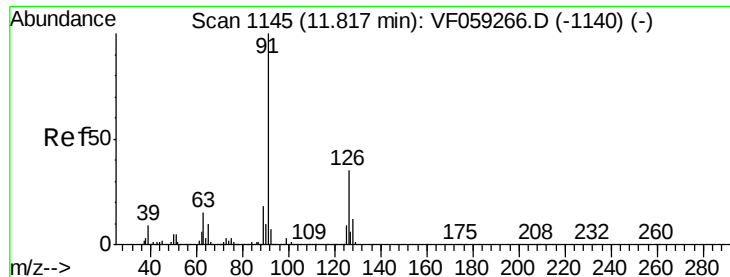
Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.0	11.5	34.5	





#79

2-Chlorotoluene

Concen: 20.57 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

VF0621SBS01

Tot Ion: 91 Resp: 241127

Ion Ratio Lower Upper

91 100

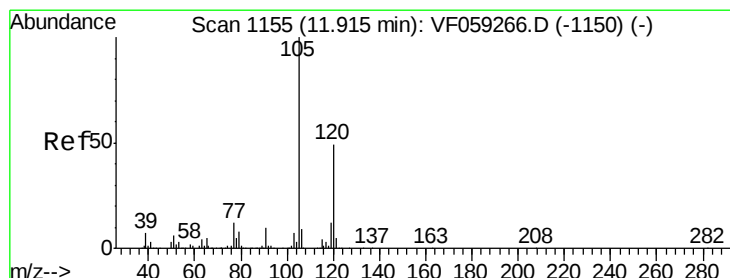
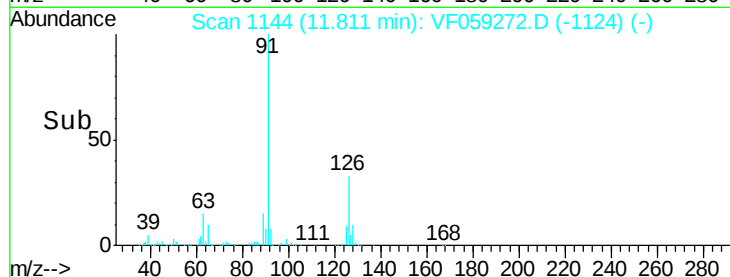
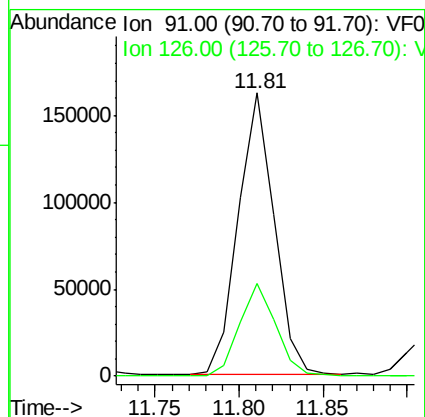
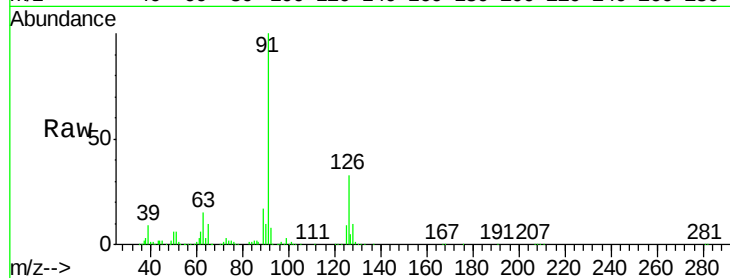
126 32.8 17.5 52.5

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#80

1,3,5-Trimethylbenzene

Concen: 20.75 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059272.D

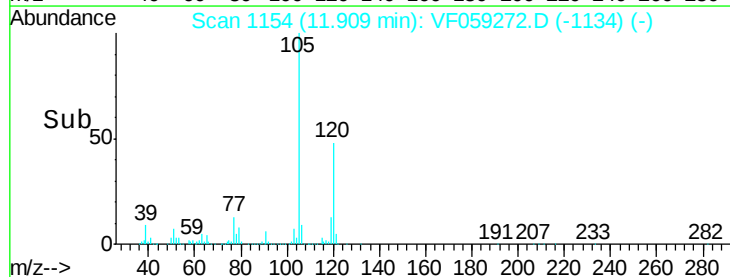
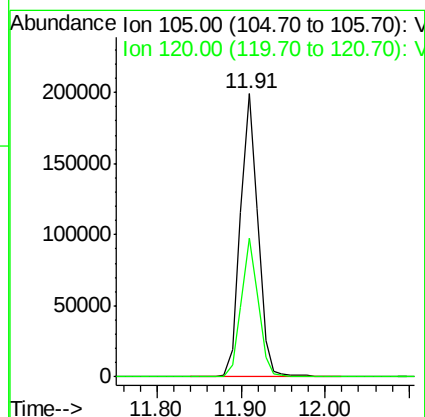
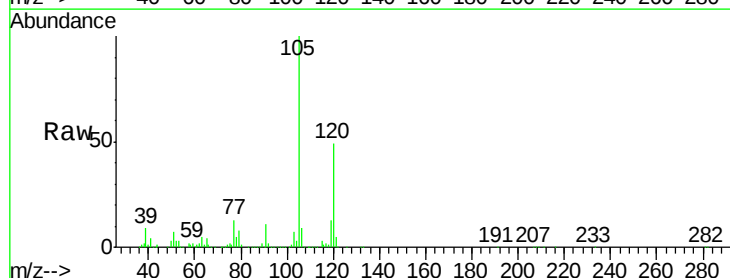
Acq: 21 Jun 2018 20:55

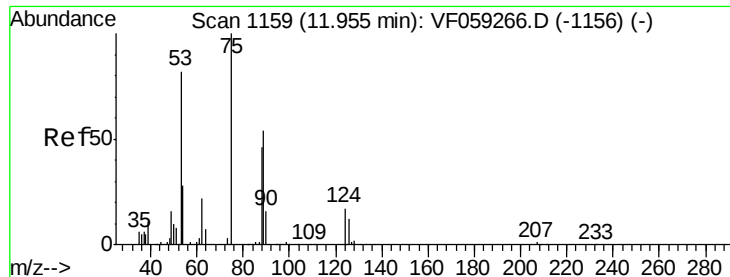
Tgt Ion: 105 Resp: 289830

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.83 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

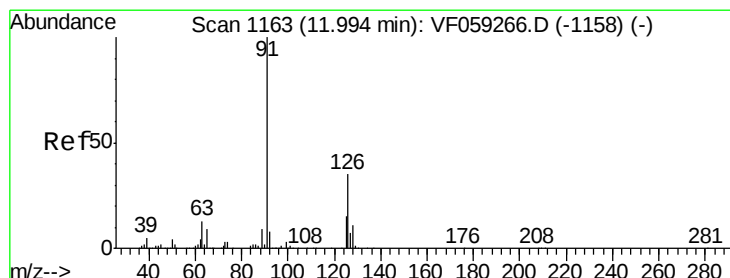
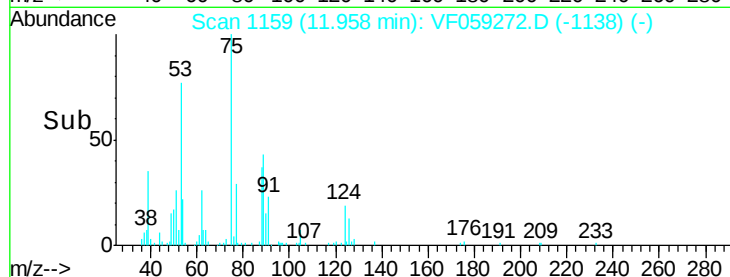
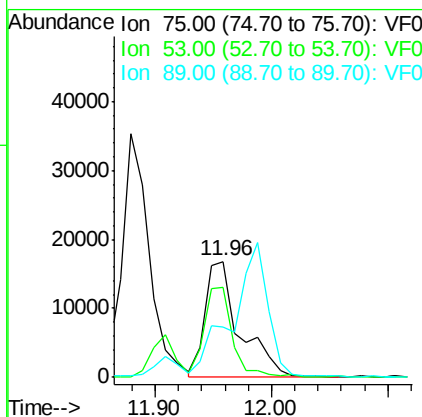
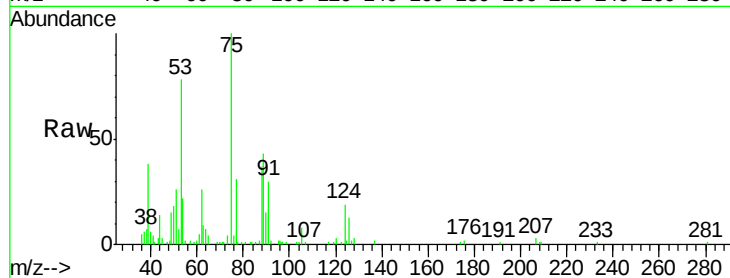
ClientSampleId :

VF0621SBS01

Tot Ion:	75	Resp:	34238
Ion	Ratio	Lower	Upper
75	100		
53	77.7	70.2	105.2
89	43.4	45.3	67.9#

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#82

4-Chlorotoluene

Concen: 20.59 ug/l

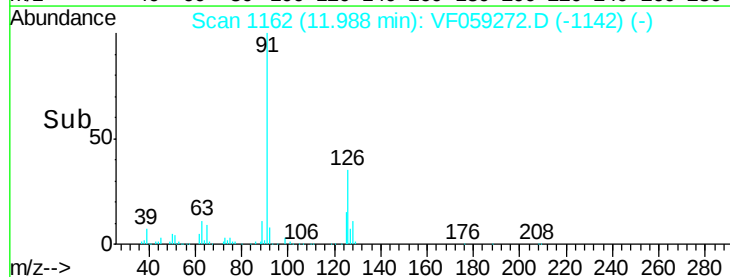
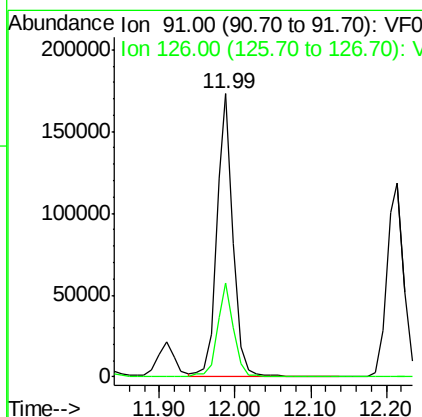
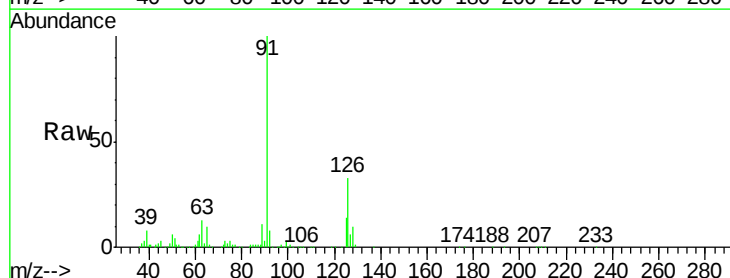
RT: 11.99 min Scan# 1162

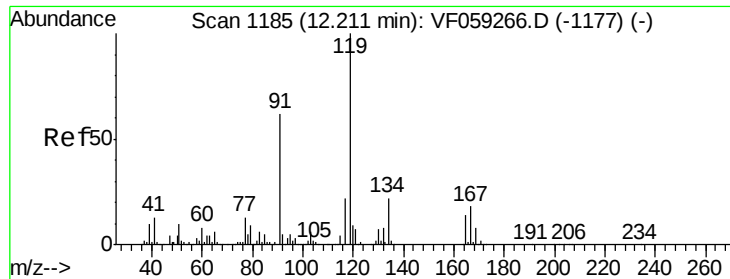
Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion:	91	Resp:	259218
Ion	Ratio	Lower	Upper
91	100		
126	33.0	17.6	52.8





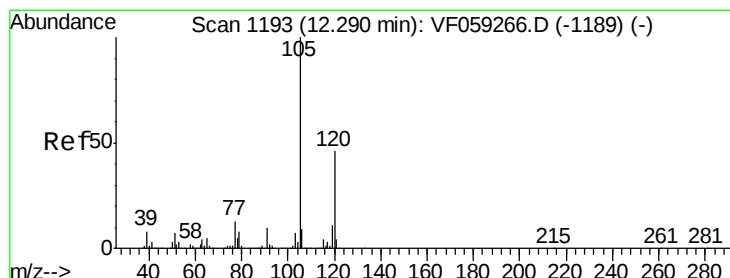
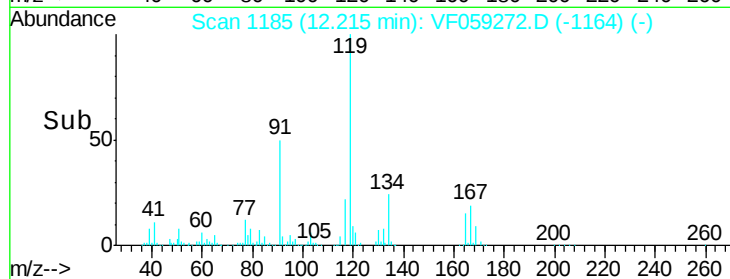
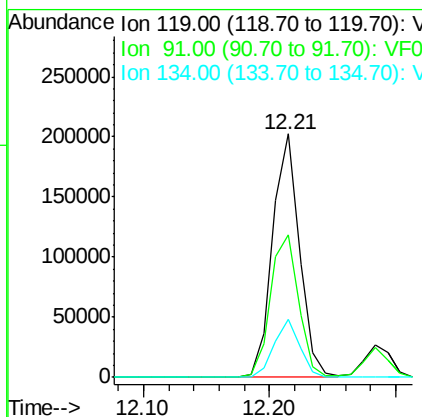
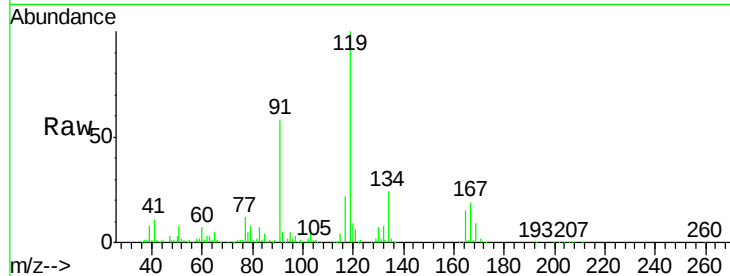
#83
 tert-Butylbenzene
 Concen: 21.28 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0621SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	300916		
91	58.5		31.3	93.8
134	23.7		11.3	33.8

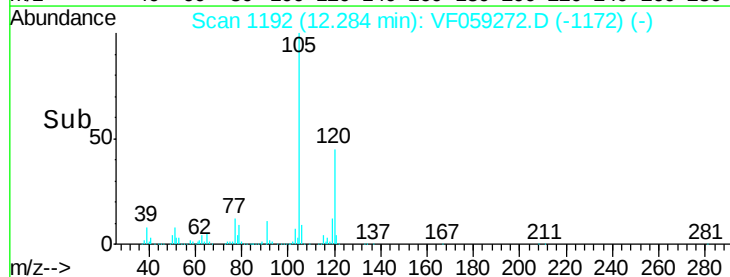
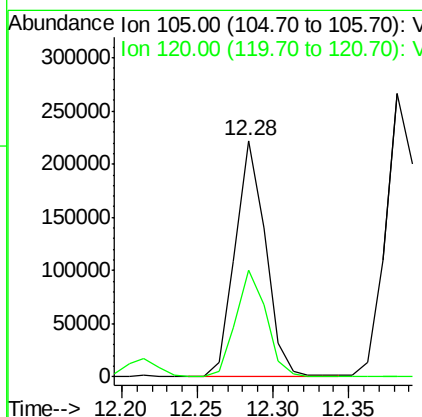
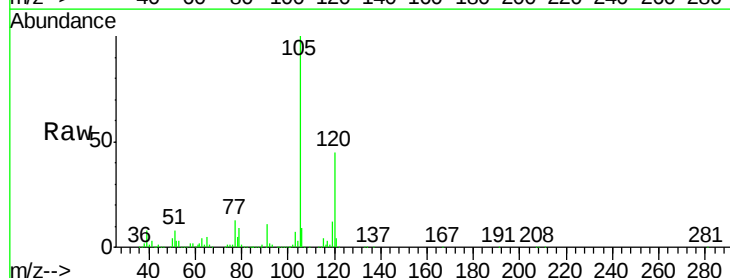
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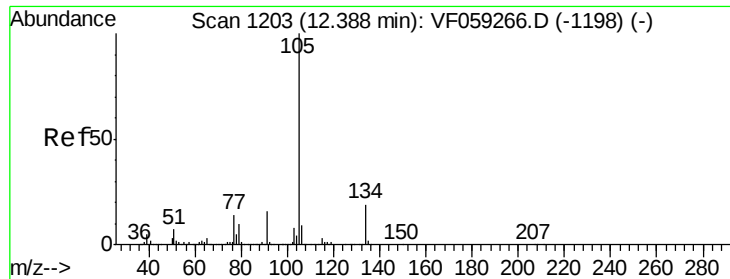
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.11 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	310668		
120	45.2		22.8	68.4





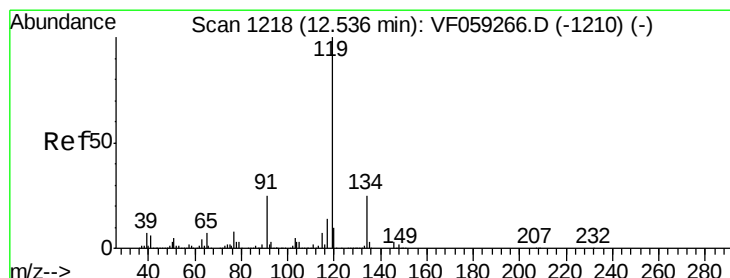
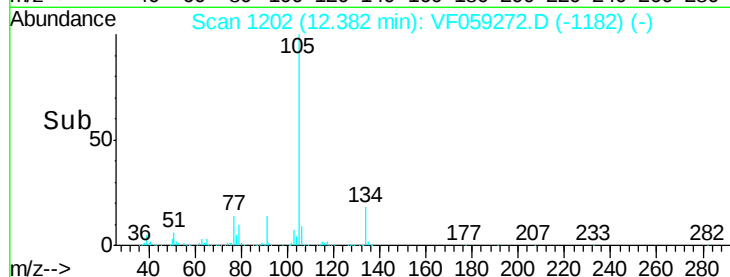
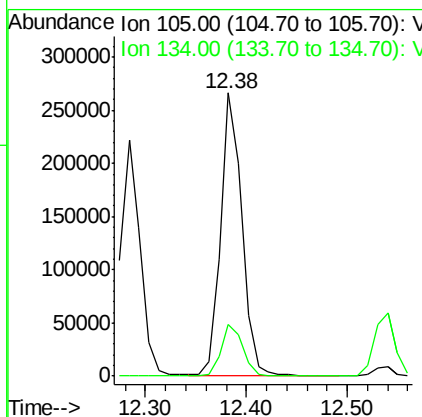
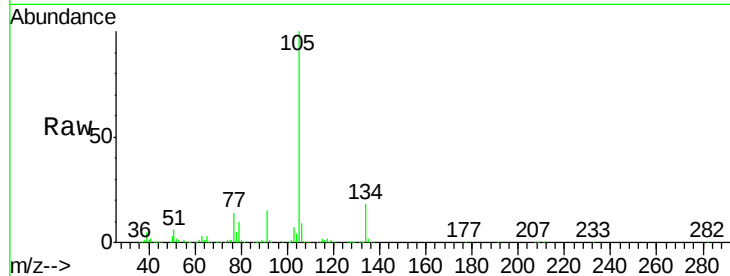
#85
 sec-Butylbenzene
 Concen: 20.74 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0621SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	391372		
134	18.4	9.5	28.5	

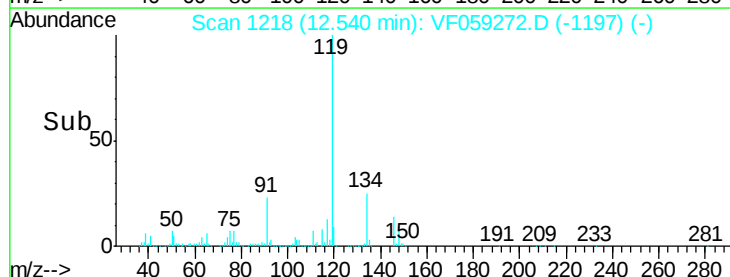
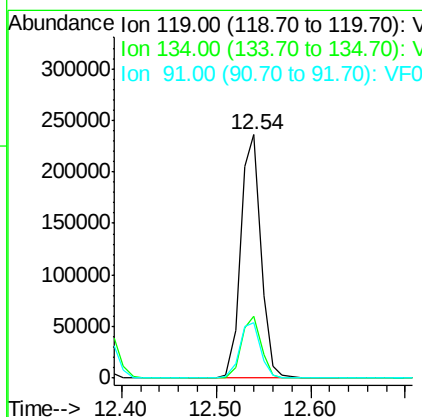
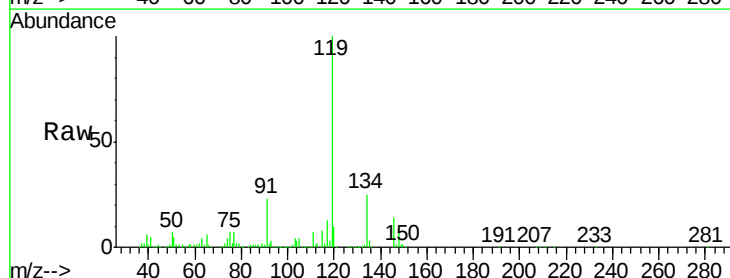
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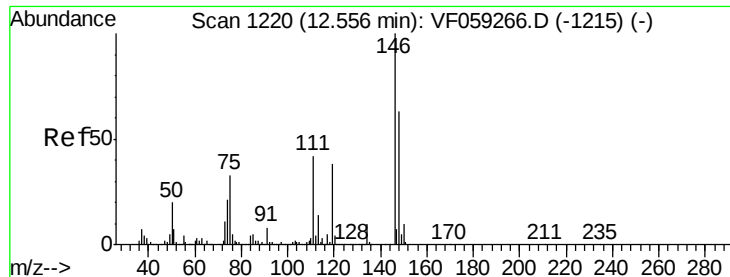
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#86
 p-Isopropyltoluene
 Concen: 22.36 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	347921		
134	25.4	12.6	37.8	
91	22.8	12.6	37.8	





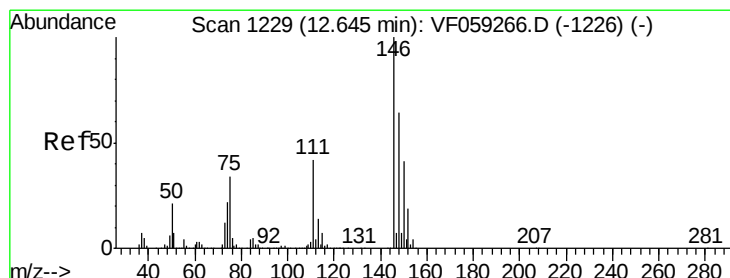
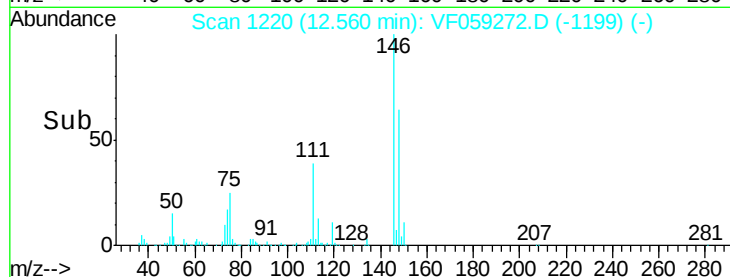
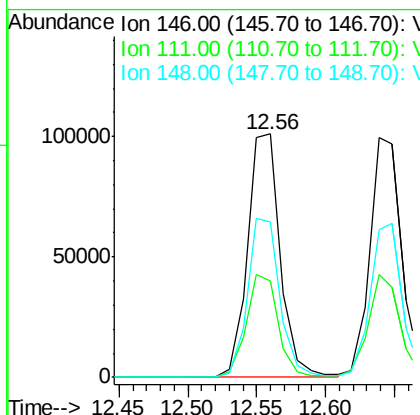
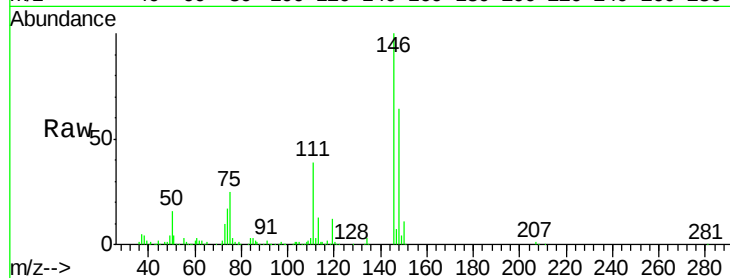
#87
 1,3-Dichlorobenzene
 Concen: 20.99 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0621SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.0	63.0
148	64.0	31.6	94.8

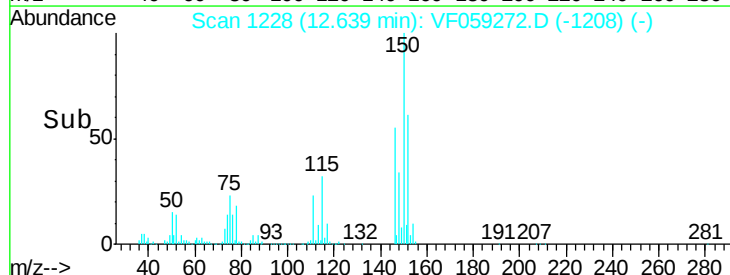
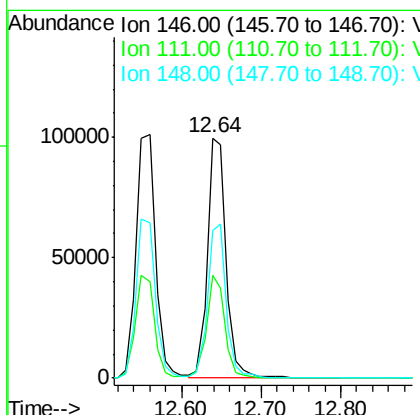
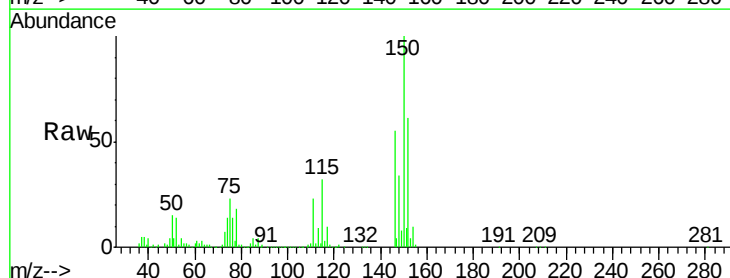
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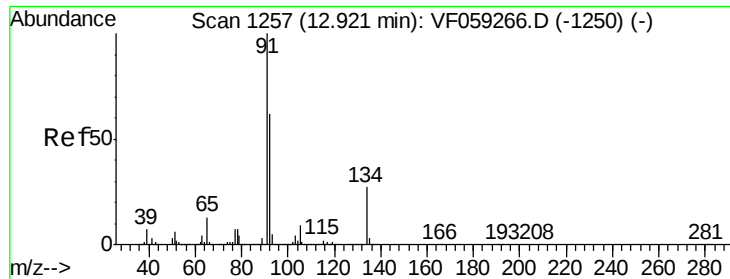
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#88
 1,4-Dichlorobenzene
 Concen: 20.64 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	61.7	32.0	96.2





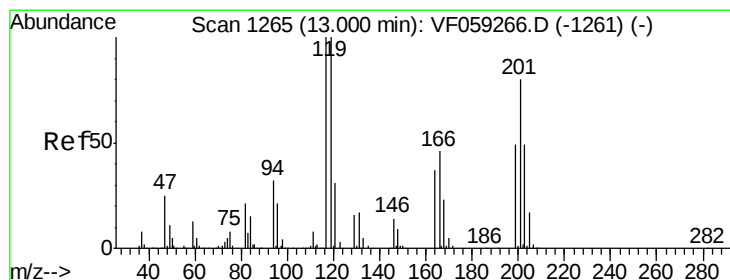
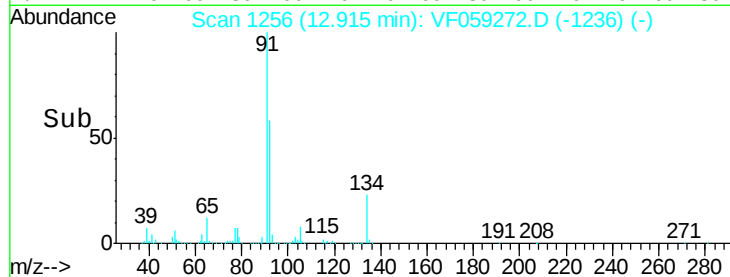
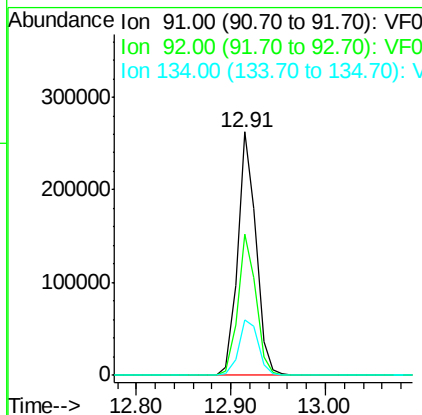
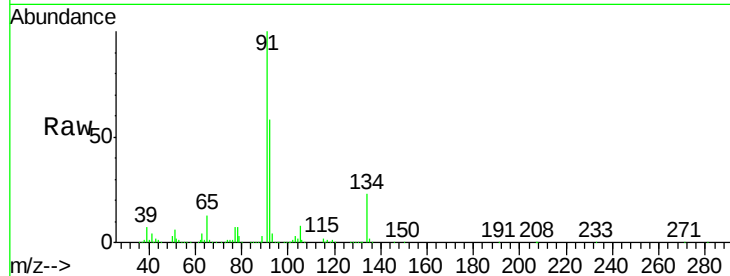
#89
n-Butylbenzene
Concen: 22.27 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	352880		
92	57.9		31.2	93.6
134	22.9		13.4	40.1

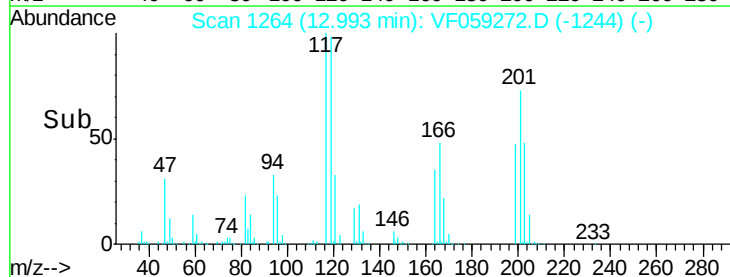
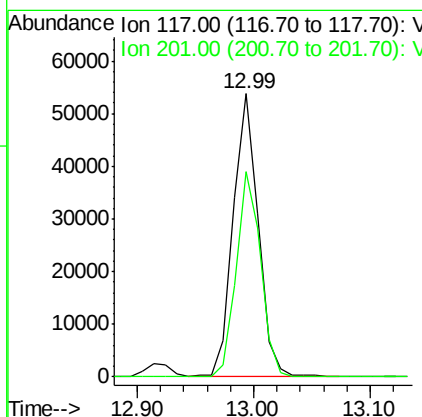
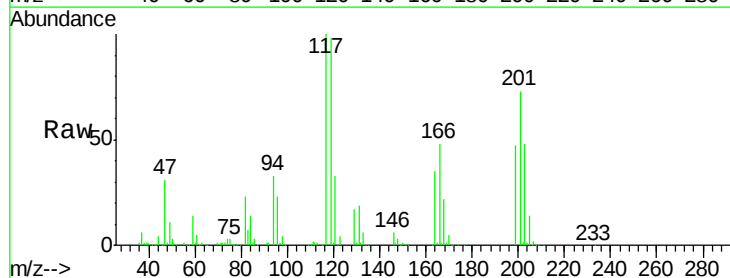
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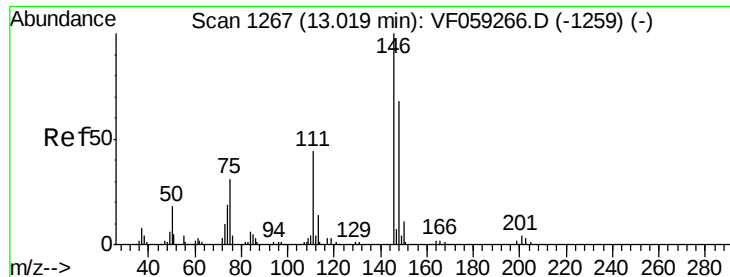
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#90
Hexachloroethane
Concen: 20.65 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	80308		
201	72.6		39.8	119.3





#91

1,2-Dichlorobenzene

Concen: 20.09 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

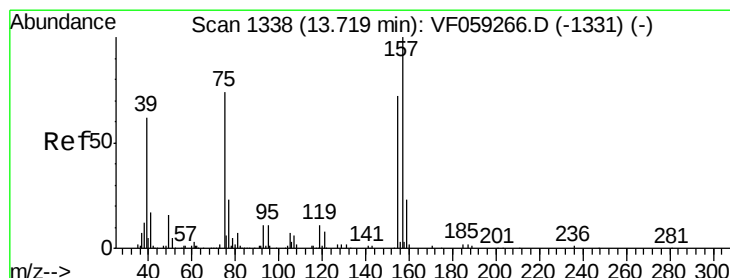
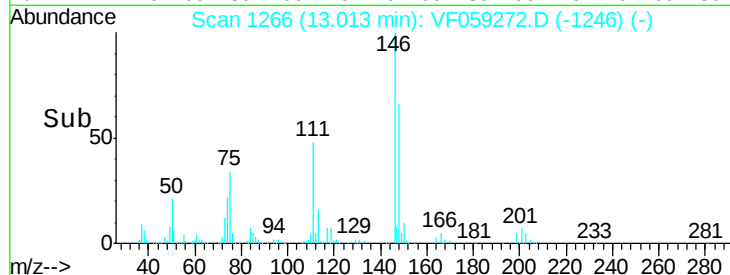
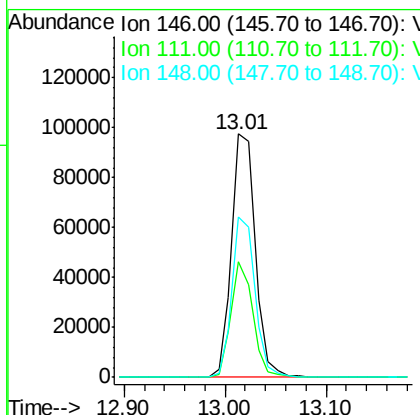
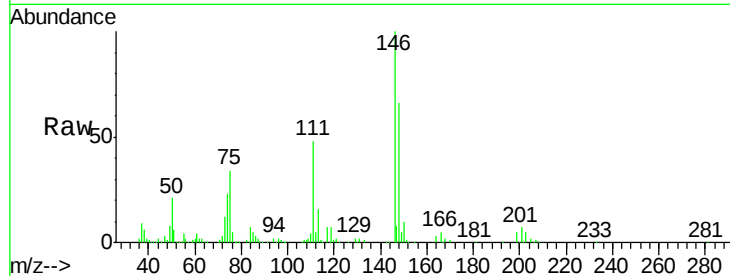
ClientSampleId :

VF0621SBS01

Tot Ion:	146	Resp:	159505
Ion Ratio	Lower	Upper	
146	100		
111	47.7	22.1	66.3
148	65.6	34.0	102.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.00 ug/l

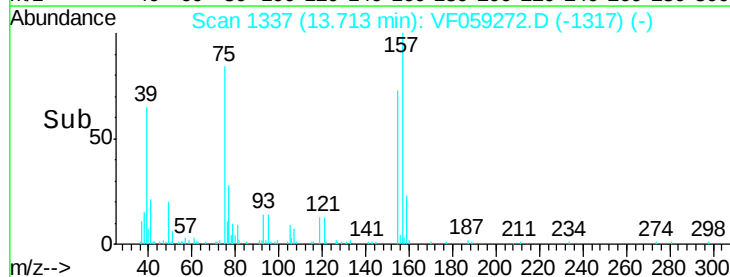
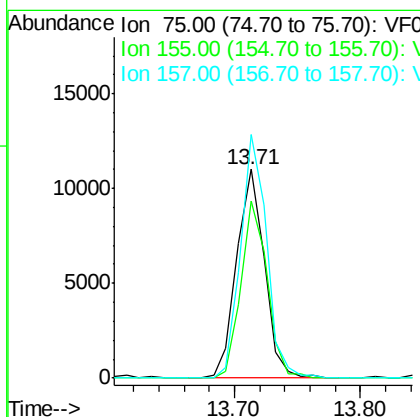
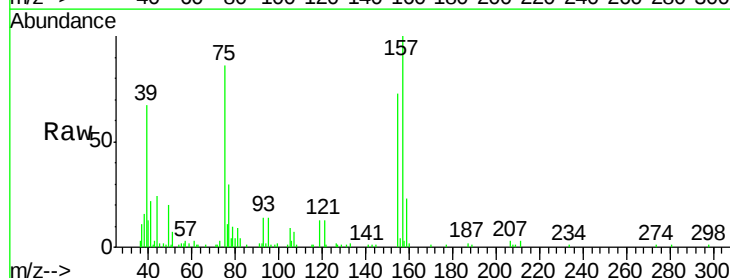
RT: 13.71 min Scan# 1337

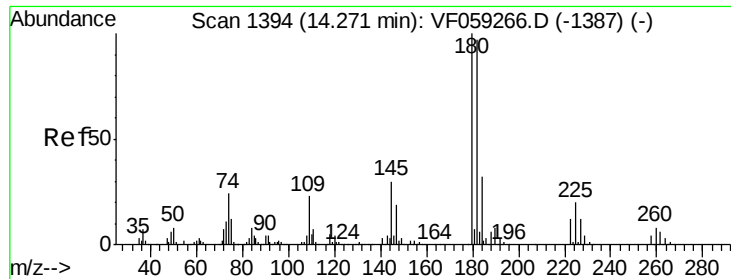
Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion:	75	Resp:	16744
Ion Ratio	Lower	Upper	
75	100		
155	89.4	48.3	144.9
157	116.6	67.2	201.6





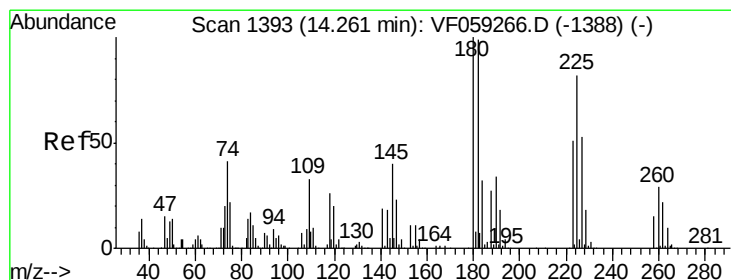
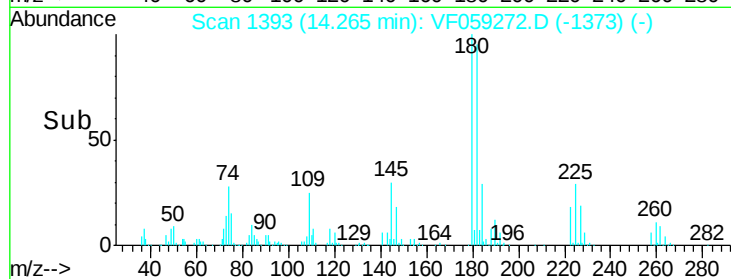
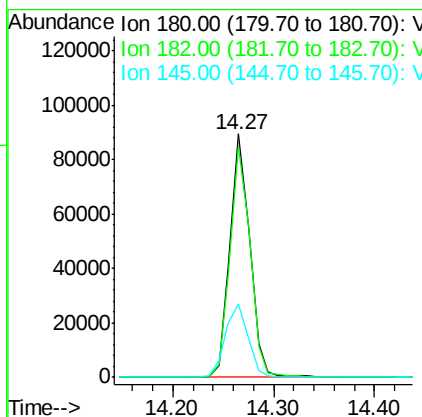
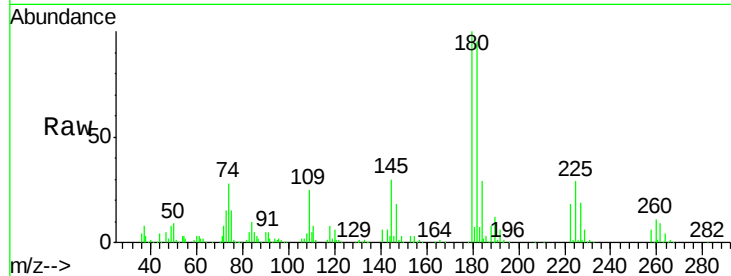
#93
 1,2,4-Trichlorobenzene
 Concen: 21.10 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0621SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122325		
182	94.6	48.6	145.9	
145	30.3	15.0	45.1	

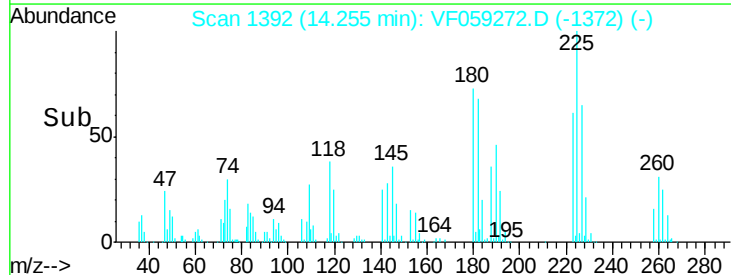
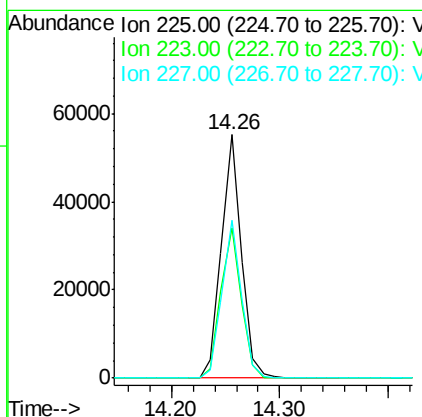
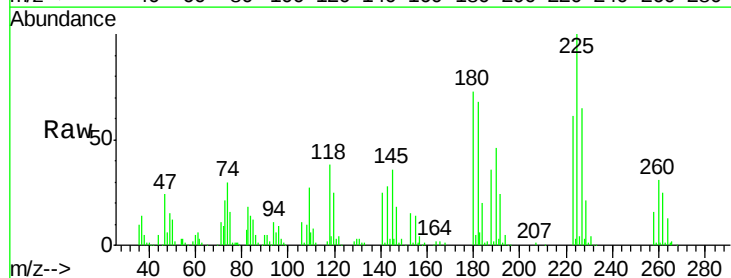
Manual Integrations
 APPROVED

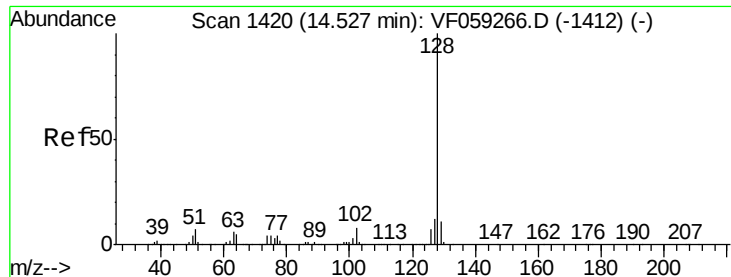
apatel
 6/22/2018 11:34:54 AM



#94
 Hexachlorobutadiene
 Concen: 20.66 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70994		
223	61.4	30.7	92.1	
227	64.7	32.0	96.2	





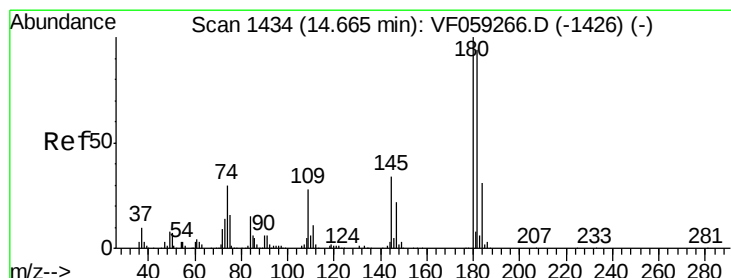
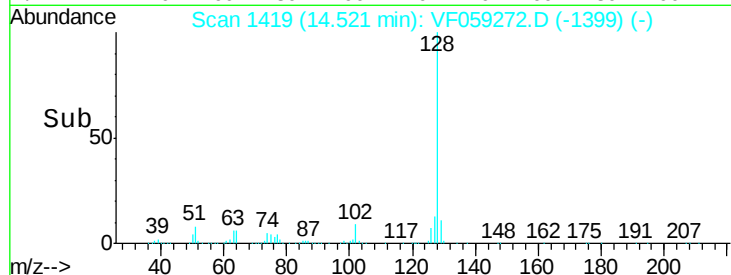
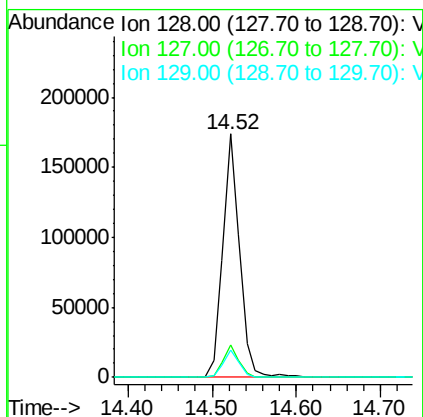
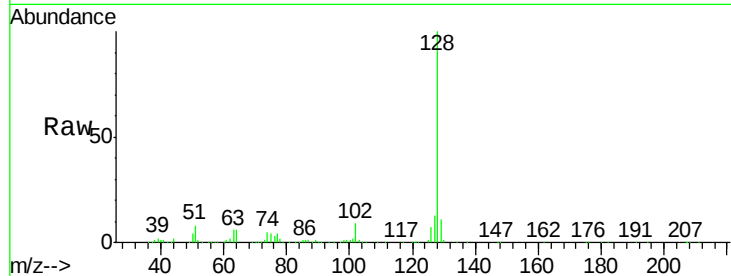
#95
Naphthalene
Concen: 20.35 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
VF0621SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.6	14.4
129	11.4	9.0	13.4

Manual Integrations
APPROVED

apatel
6/22/2018 11:34:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.32 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	46.9	140.7
145	31.9	17.0	50.9

