

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059799.D
 Acq On : 2 Aug 2018 14:34
 Operator : VA/AP
 Sample : VF0802SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

Manual Integrations
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 8/3/2018 2:39:04 PM

Quant Time: Aug 02 15:26:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	184936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	264028	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	249935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	167436	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	164670	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	4.28	113	137316	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	7.71	98	305752	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.51	95	173020	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	58967	25.61	ug/l	94
3) Chloromethane	1.08	50	31966	27.56	ug/l	99
4) Vinyl Chloride	1.16	62	33893	27.94	ug/l	99
5) Bromomethane	1.34	94	24891	24.28	ug/l	100
6) Chloroethane	1.43	64	19194	25.38	ug/l #	76
7) Trichlorofluoromethane	1.53	101	73293m	21.22	ug/l	
8) Diethyl Ether	1.70	74	13766	23.31	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.90	101	44221	24.45	ug/l	91
10) Methyl Iodide	1.97	142	71743m	26.38	ug/l	
11) Tert butyl alcohol	2.71	59	17761	131.84	ug/l #	90
12) 1,1-Dichloroethene	1.85	96	36127	25.23	ug/l	91
13) Acrolein	2.09	56	5153	84.76	ug/l	82
14) Allyl chloride	2.19	41	48835	21.36	ug/l	89
15) Acrylonitrile	3.07	53	29658	138.13	ug/l	95
16) Acetone	2.34	43	72868	121.89	ug/l	98
17) Carbon Disulfide	1.89	76	83730m	25.92	ug/l	
18) Methyl Acetate	2.45	43	30521	31.01	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	101510	23.24	ug/l	98
20) Methylene Chloride	2.31	84	39228m	26.80	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	33646	25.59	ug/l	87
22) Diisopropyl ether	2.92	45	119758	24.77	ug/l	99
23) Vinyl Acetate	3.33	43	275209	110.70	ug/l	97
24) 1,1-Dichloroethane	2.99	63	80704	24.02	ug/l	98
25) 2-Butanone	4.51	43	71977	107.88	ug/l #	83
26) 2,2-Dichloropropane	3.75	77	56067	23.41	ug/l	97
27) cis-1,2-Dichloroethene	3.62	96	42526	23.64	ug/l	96
28) Bromochloromethane	3.88	49	32606	25.64	ug/l	95
29) Tetrahydrofuran	4.26	42	30828	120.22	ug/l	97
30) Chloroform	4.03	83	112675	23.76	ug/l	99
31) Cyclohexane	3.85	56	44073	25.01	ug/l #	72
32) 1,1,1-Trichloroethane	4.27	97	84374	22.94	ug/l	97
36) 1,1-Dichloropropene	4.45	75	68868	23.69	ug/l	94
37) Ethyl Acetate	4.28	43	33907	23.25	ug/l #	80
38) Carbon Tetrachloride	4.16	117	108196	25.77	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	53989	24.26	ug/l	90
40) Benzene	4.80	78	123821	23.22	ug/l	96
41) Methacrylonitrile	4.92	41	14629	20.34	ug/l #	88
42) 1,2-Dichloroethane	5.11	62	84586	22.67	ug/l	99
43) Isopropyl Acetate	7.11	43	33531	21.24	ug/l #	82
44) Trichloroethene	5.66	130	47314	23.69	ug/l	85
45) 1,2-Dichloropropane	6.39	63	33752	23.97	ug/l	92
46) Dibromomethane	6.25	93	31236	23.37	ug/l	92
47) Bromodichloromethane	6.54	83	84553	23.23	ug/l	96
48) Methyl methacrylate	6.87	41	26470	22.29	ug/l	98
49) 1,4-Dioxane	6.86	88	4395	568.02	ug/l #	84
51) 4-Methyl-2-Pentanone	8.41	43	141239	117.60	ug/l	96
52) Toluene	7.77	92	93317	24.97	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	75963	24.05	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	69317	22.65	ug/l #	89
55) 1,1,2-Trichloroethane	8.63	97	31365	21.72	ug/l	93
56) Ethyl methacrylate	8.76	69	34545	22.94	ug/l	97
57) 1,3-Dichloropropane	9.00	76	58519	23.62	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	18996	109.25	ug/l	100
59) 2-Hexanone	9.63	43	107754	111.96	ug/l	95
60) Dibromochloromethane	8.86	129	56605	22.21	ug/l	98
61) 1,2-Dibromoethane	9.13	107	38915	23.08	ug/l	99
64) Tetrachloroethene	8.31	164	49830	27.55	ug/l	94
65) Chlorobenzene	9.93	112	121409	24.28	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	57896	24.80	ug/l	90
67) Ethyl Benzene	10.03	91	214925	24.85	ug/l	97
68) m/p-Xylenes	10.27	106	150703	51.98	ug/l	96
69) o-Xylene	10.82	106	82426	25.86	ug/l	91
70) Styrene	10.90	104	124760	25.84	ug/l	97
71) Bromoform	10.89	173	36529	24.02	ug/l	99
73) Isopropylbenzene	11.22	105	269757	24.55	ug/l	98
74) N-amyl acetate	11.46	43	59683	21.53	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.79	83	48095	23.26	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	40221	22.87	ug/l	100
77) Bromobenzene	11.59	156	66164	23.06	ug/l	93
78) n-propylbenzene	11.69	91	299167	23.96	ug/l	97
79) 2-Chlorotoluene	11.81	91	188369	24.32	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	235336	24.53	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	21747	29.86	ug/l	98
82) 4-Chlorotoluene	11.98	91	201020	24.51	ug/l	98
83) tert-Butylbenzene	12.21	119	240964	24.43	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	236451	24.42	ug/l	98
85) sec-Butylbenzene	12.39	105	308850	24.81	ug/l	98
86) p-Isopropyltoluene	12.54	119	260414	23.67	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	123698	23.28	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	126964	24.70	ug/l	98
89) n-Butylbenzene	12.92	91	260160	25.17	ug/l	97
90) Hexachloroethane	12.99	117	65714	23.71	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	125452	25.21	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11798	23.34	ug/l	83

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VF0802SBSD01

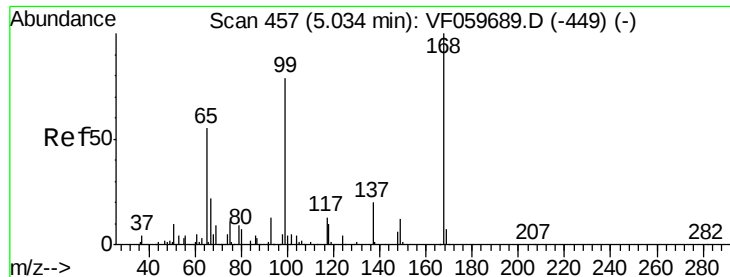
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	96459	23.96	ug/l	97
94) Hexachlorobutadiene	14.25	225	67793	24.68	ug/l	97
95) Naphthalene	14.53	128	168327	23.32	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	93224	23.36	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion:168 Resp: 184936

Ion Ratio Lower Upper

168 100

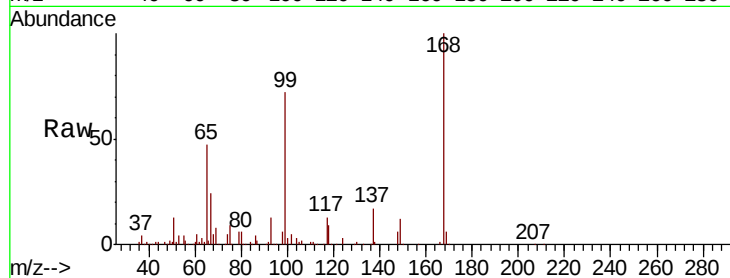
99 72.2 63.3 94.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

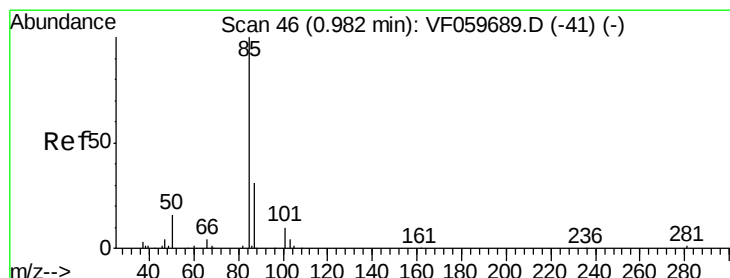
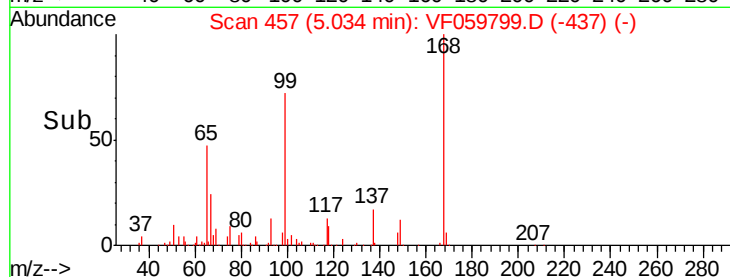
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.61 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059799.D

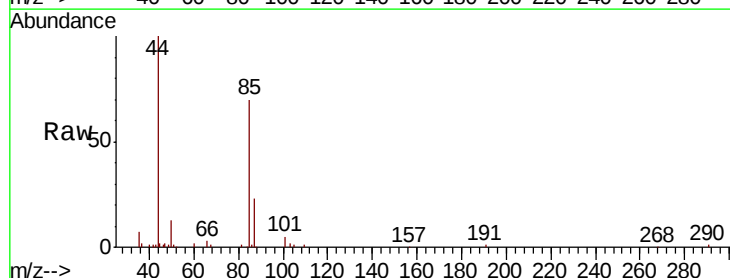
Acq: 2 Aug 2018 14:34

Tgt Ion: 85 Resp: 58967

Ion Ratio Lower Upper

85 100

87 33.5 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

20000

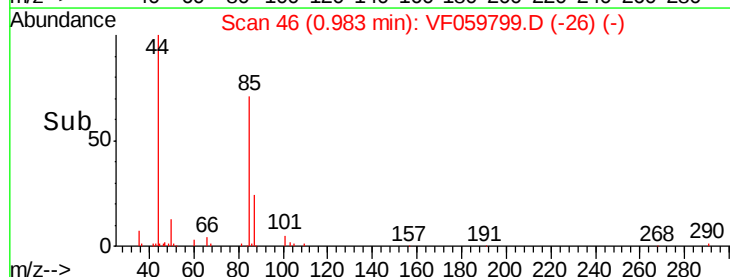
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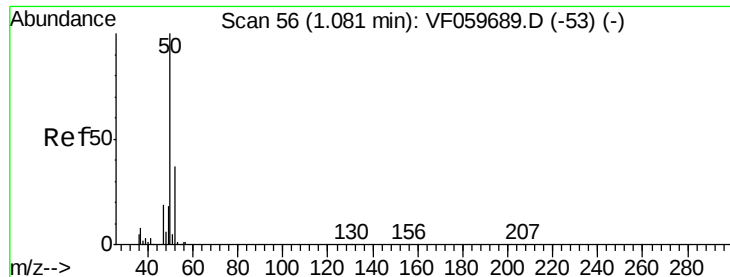
10000

5000

0

Time-->





#3

Chloromethane

Concen: 27.56 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 50 Resp: 31966

Ion Ratio Lower Upper

50 100

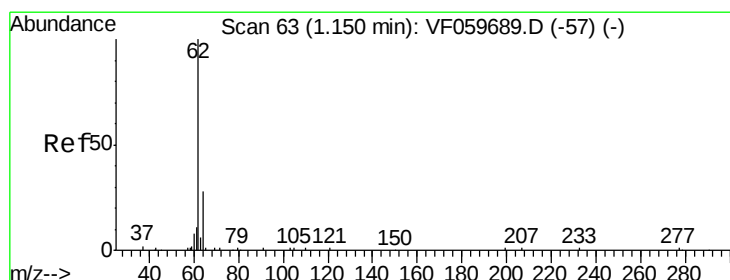
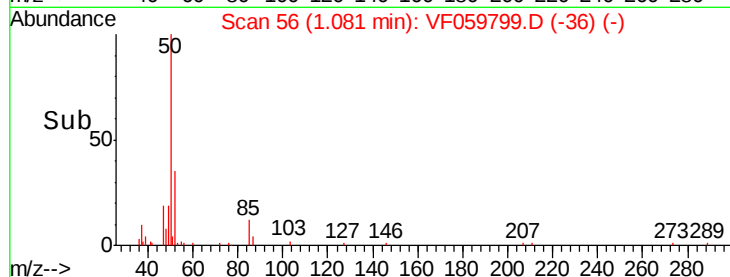
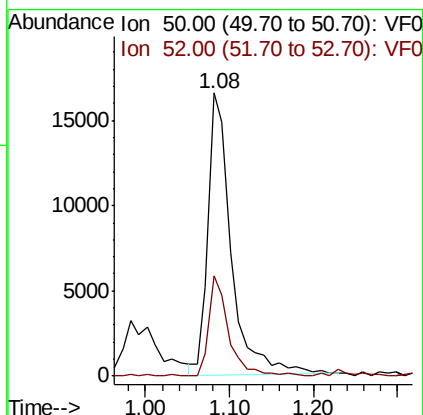
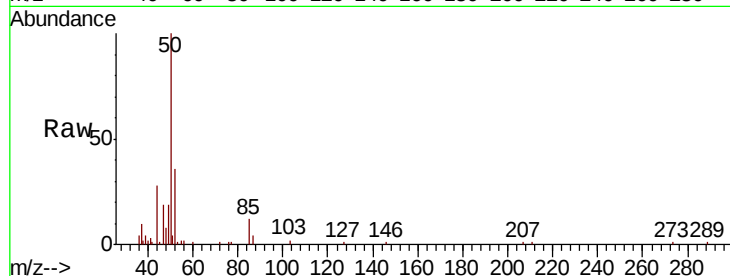
52 35.6 29.1 43.7

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#4

Vinyl Chloride

Concen: 27.94 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF059799.D

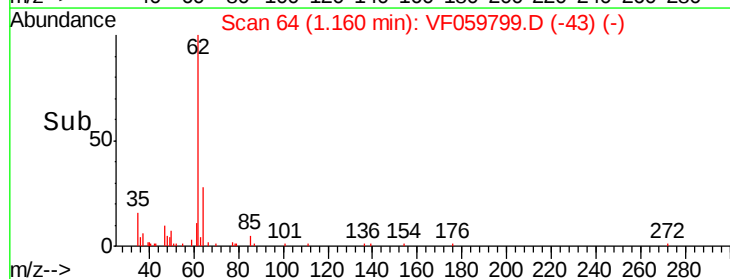
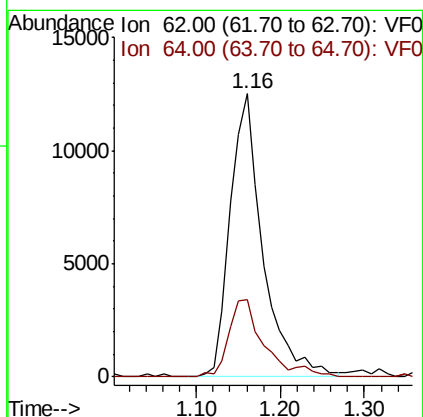
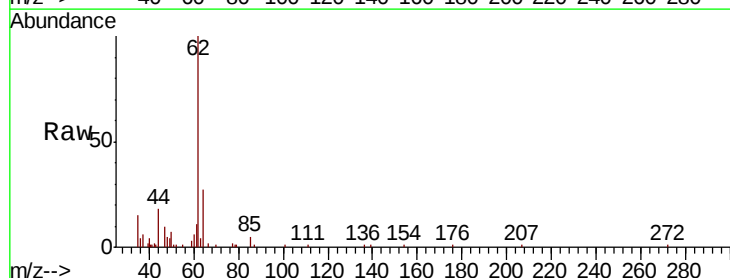
Acq: 2 Aug 2018 14:34

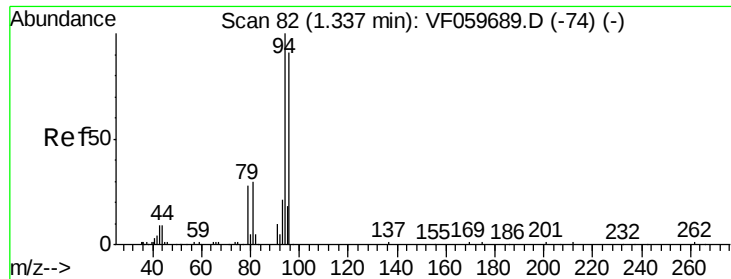
Tgt Ion: 62 Resp: 33893

Ion Ratio Lower Upper

62 100

64 27.5 22.6 33.8





#5

Bromomethane

Concen: 24.28 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 94 Resp: 24891

Ion Ratio Lower Upper

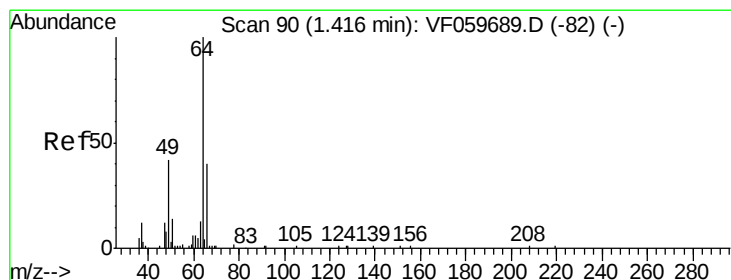
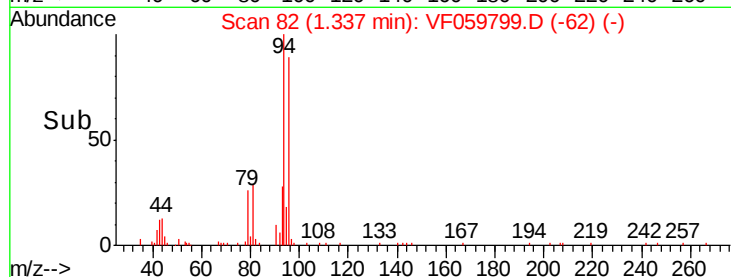
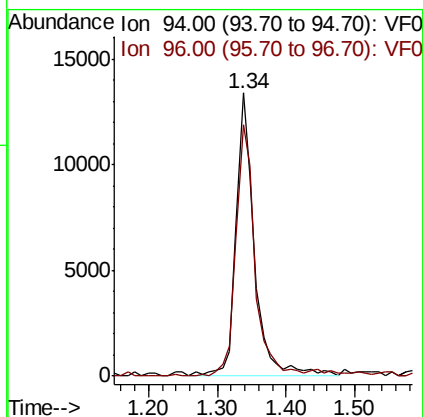
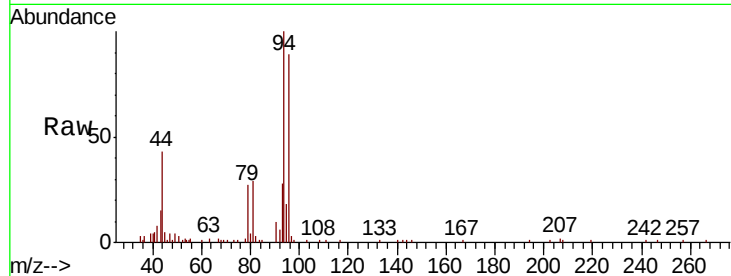
94 100

96 91.6 73.6 110.4

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#6

Chloroethane

Concen: 25.38 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059799.D

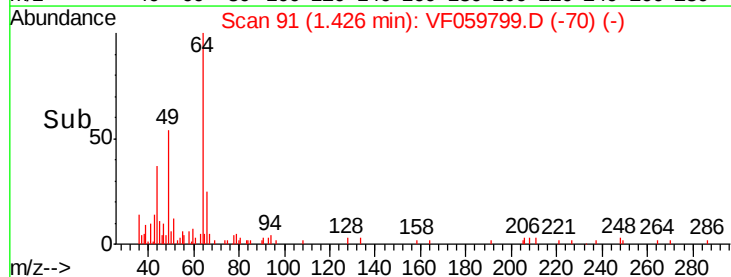
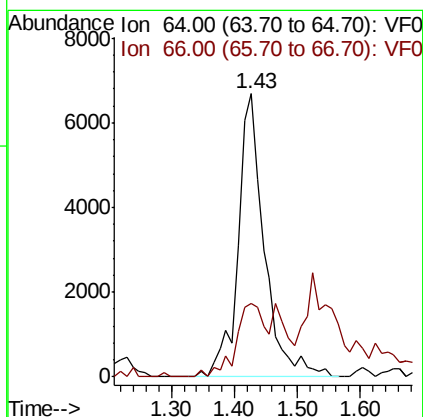
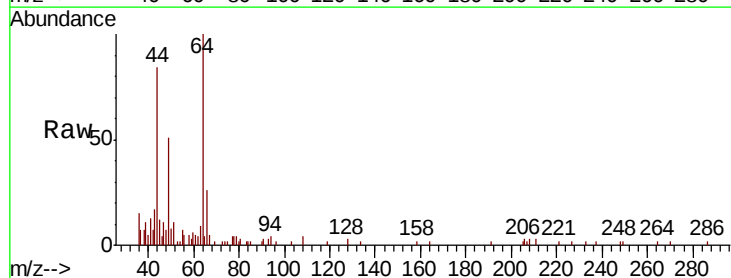
Acq: 2 Aug 2018 14:34

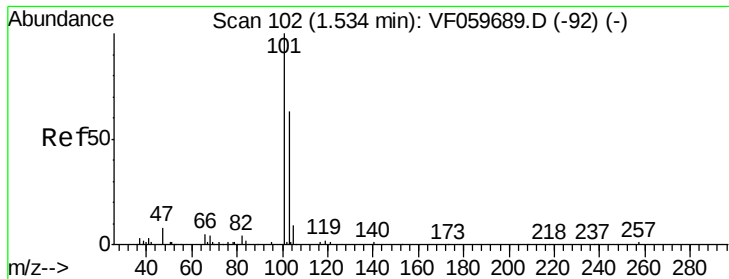
Tgt Ion: 64 Resp: 19194

Ion Ratio Lower Upper

64 100

66 25.9 32.6 49.0#





#7

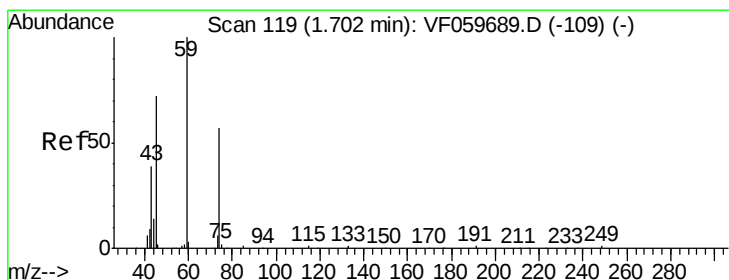
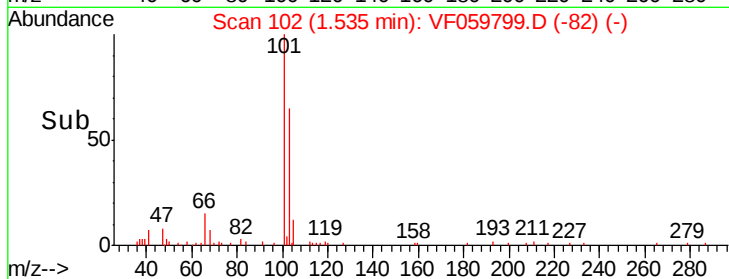
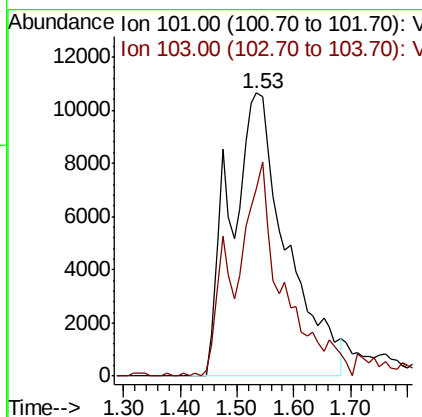
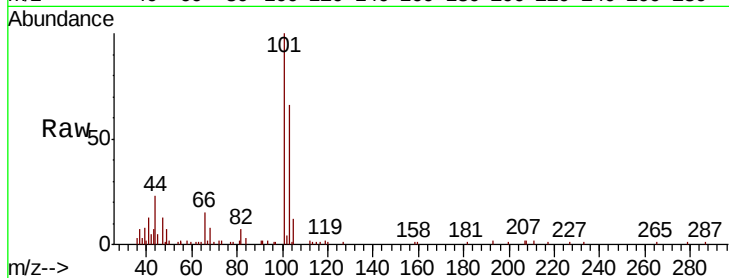
Trichlorofluoromethane
Concen: 21.22 ug/l m
RT: 1.53 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

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ClientSampleId :
VF0802SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	50.8	76.2

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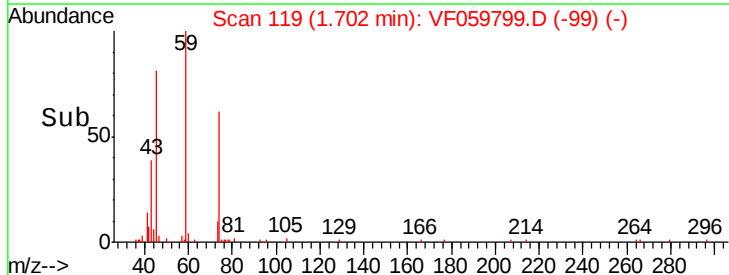
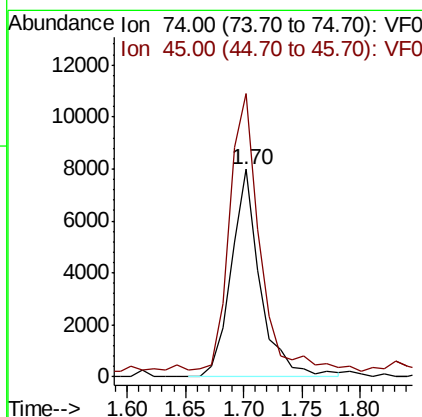
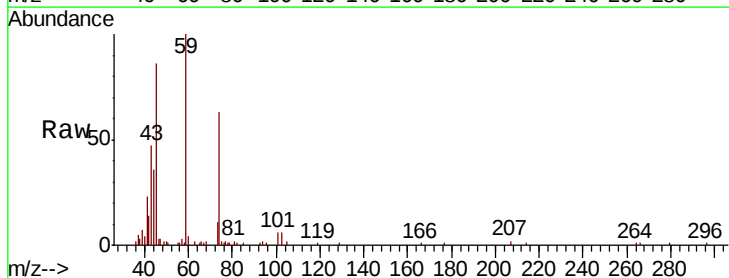
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8/3/2018 2:39:04 PM

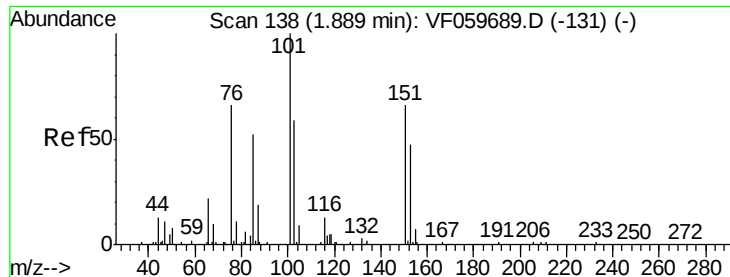


#8

Diethyl Ether
Concen: 23.31 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.4	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.45 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

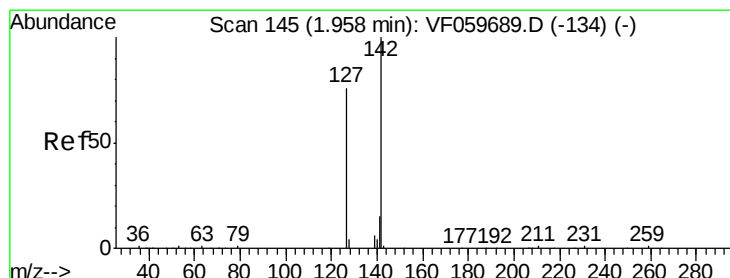
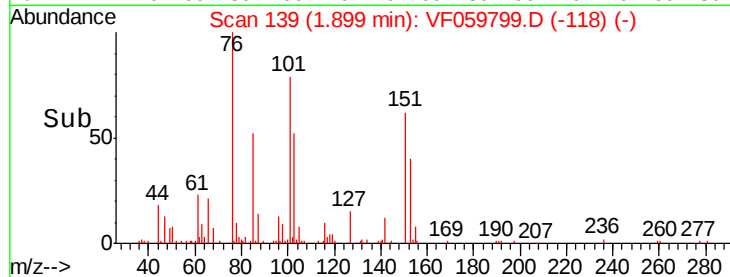
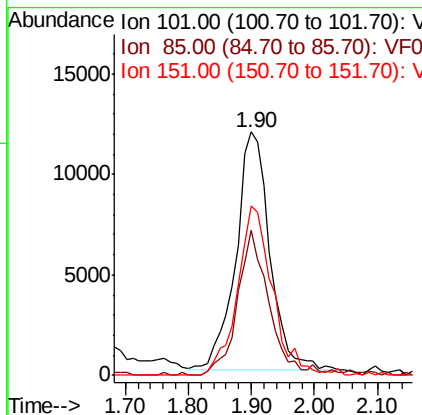
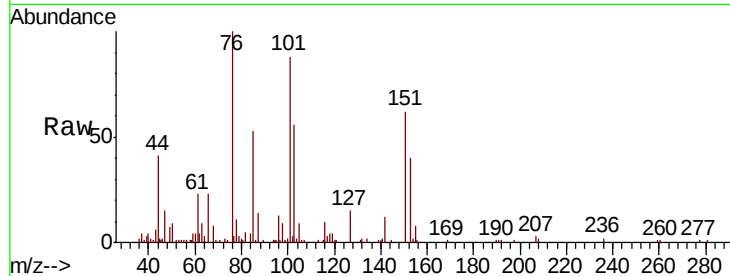
ClientSampleId :

VF0802SBSD01

Tot Ion:	101	Resp:	44221
Ion Ratio	Lower	Upper	
101	100		
85	59.6	40.7	61.1
151	69.8	51.4	77.2

Manual Integrations
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#10

Methyl Iodide

Concen: 26.38 ug/l m

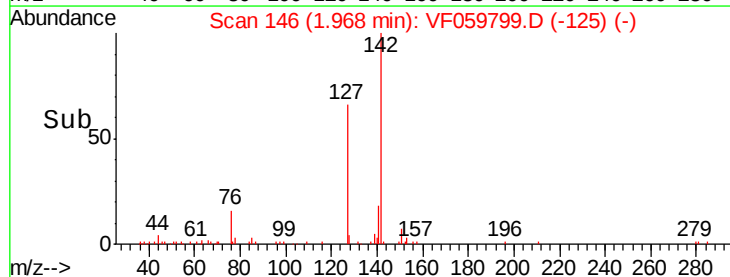
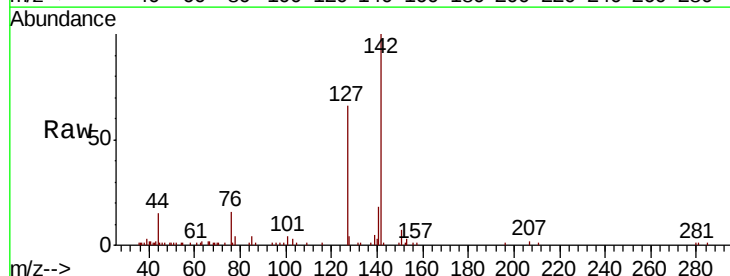
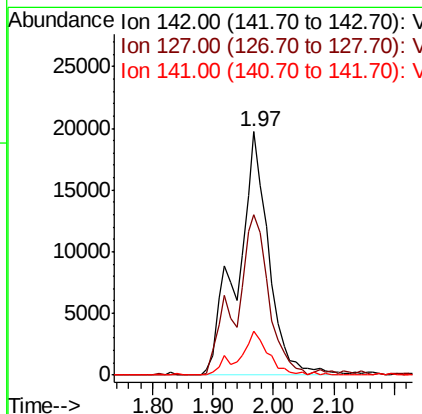
RT: 1.97 min Scan# 146

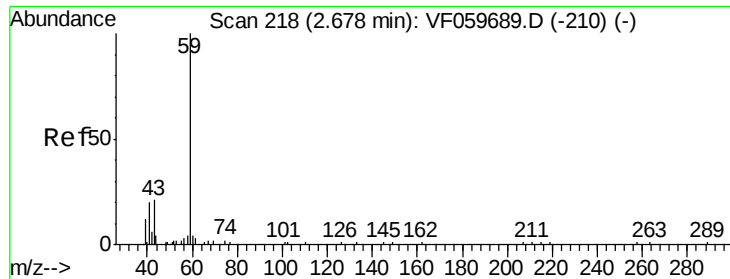
Delta R.T. 0.01 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	142	Resp:	71743
Ion Ratio	Lower	Upper	
142	100		
127	65.8	60.6	91.0
141	17.8	12.0	18.0





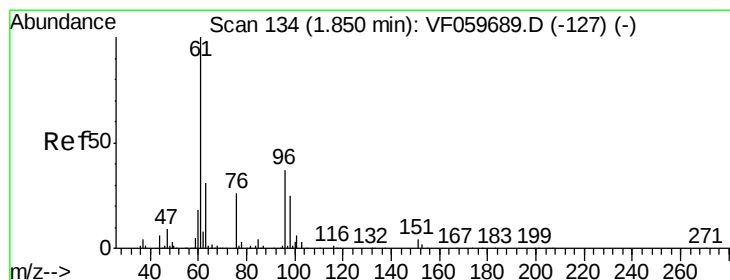
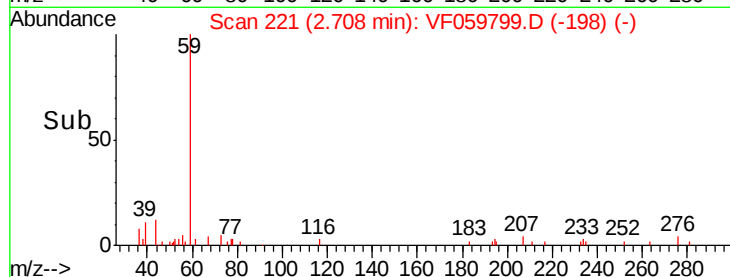
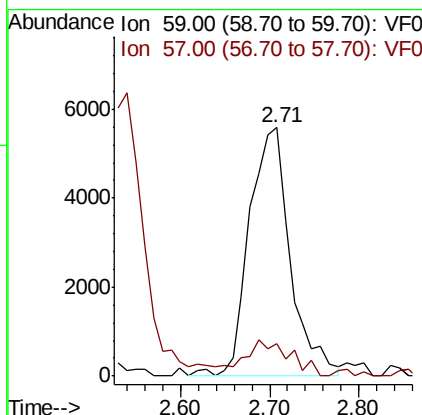
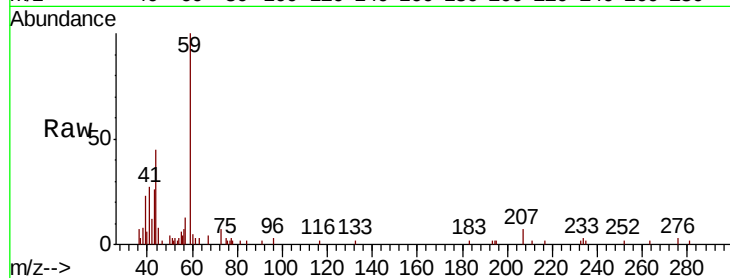
#11
Tert butyl alcohol
Concen: 131.84 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.03 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.3	7.6	11.4#

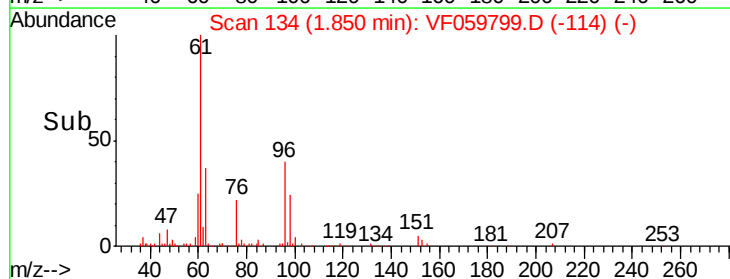
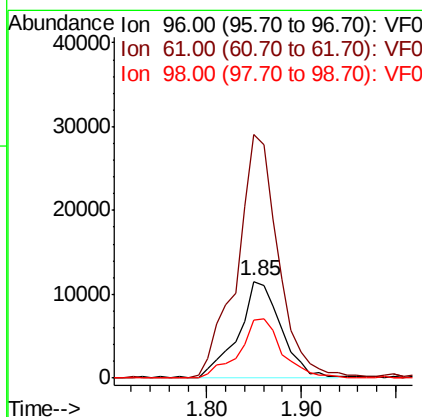
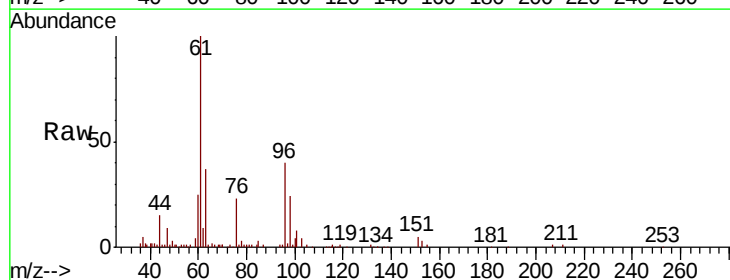
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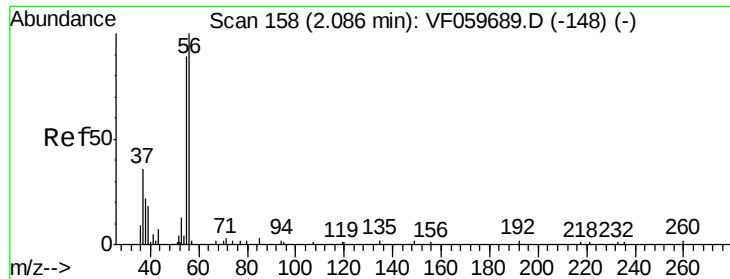
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#12
1,1-Dichloroethene
Concen: 25.23 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	252.0	215.1	322.7
98	60.5	54.3	81.5





#13

Acrolein

Concen: 84.76 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 56 Resp: 5153

Ion Ratio Lower Upper

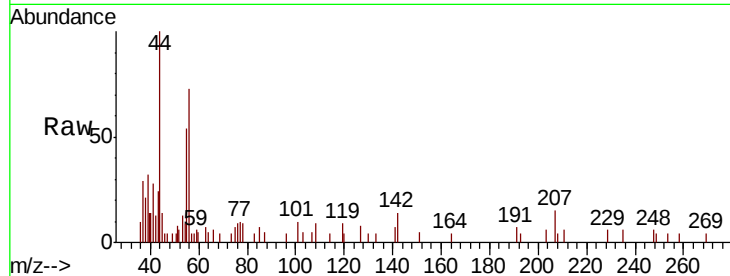
56 100

55 74.2 73.2 109.8

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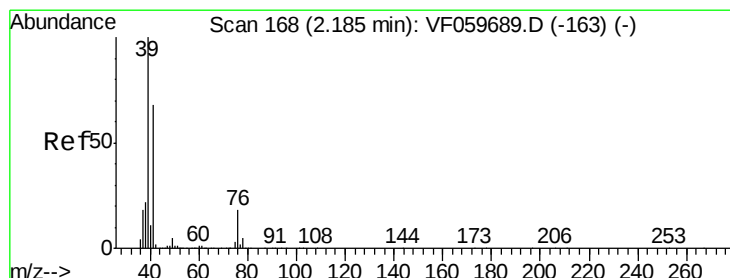
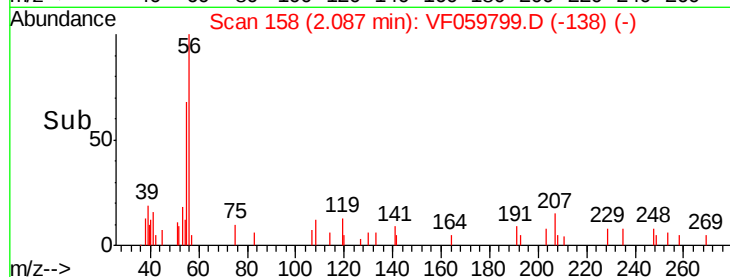
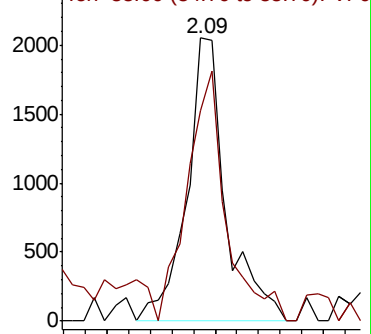
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 21.36 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

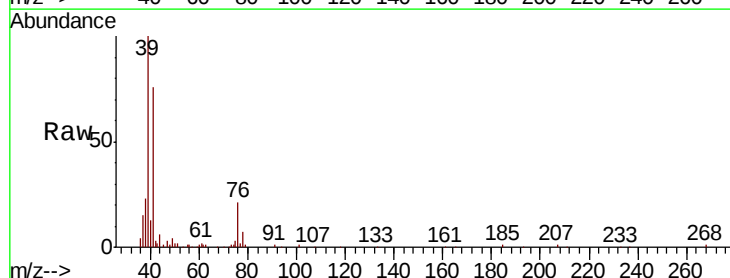
Tgt Ion: 41 Resp: 48835

Ion Ratio Lower Upper

41 100

39 131.8 118.1 177.1

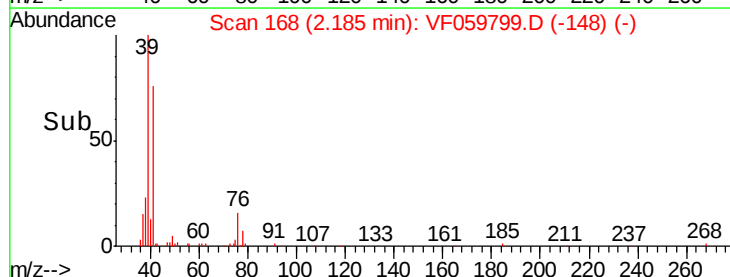
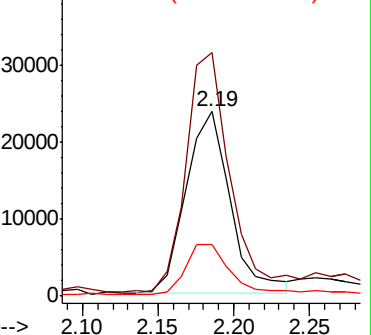
76 27.9 22.0 33.0

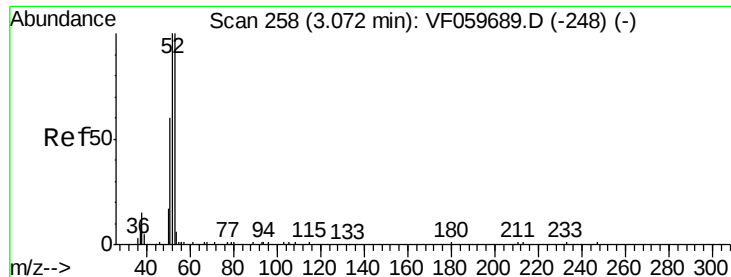


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 138.13 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

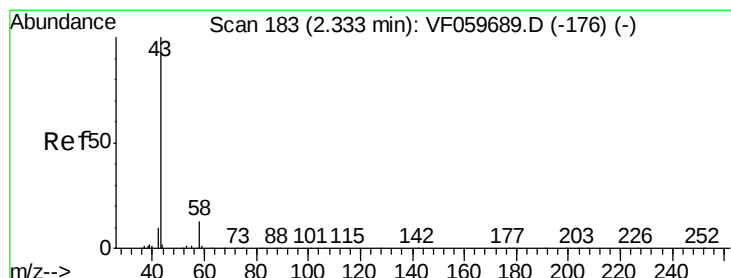
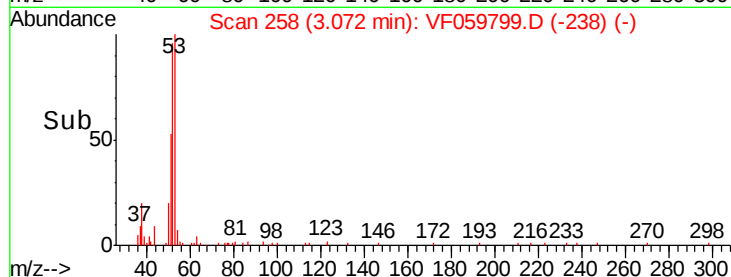
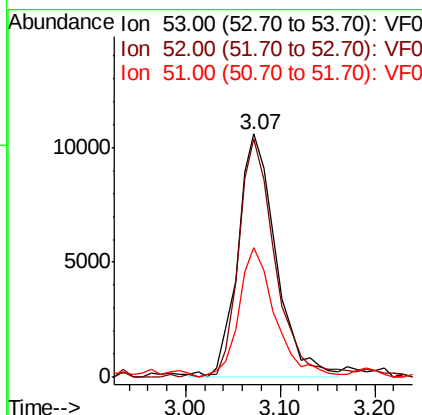
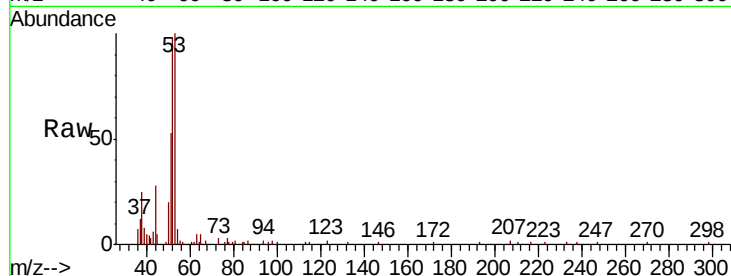
ClientSampleId :

VF0802SBSD01

Tot Ion:	53	Resp:	29658
Ion	Ratio	Lower	Upper
53	100		
52	98.2	80.3	120.5
51	53.4	49.4	74.0

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#16

Acetone

Concen: 121.89 ug/l

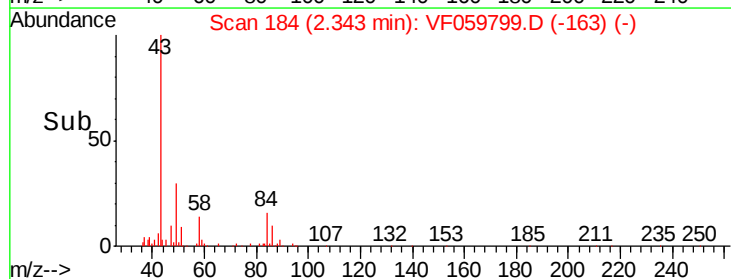
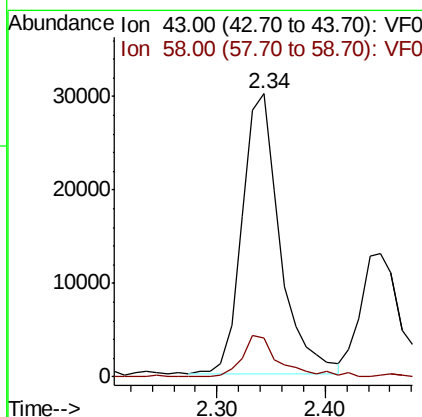
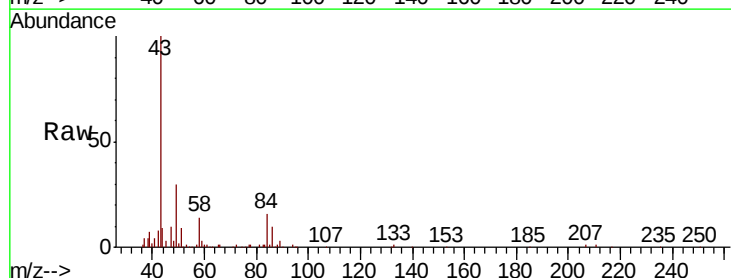
RT: 2.34 min Scan# 184

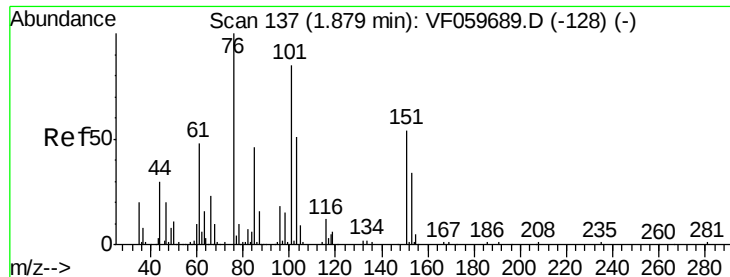
Delta R.T. 0.01 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	43	Resp:	72868
Ion	Ratio	Lower	Upper
43	100		
58	13.6	10.1	15.1





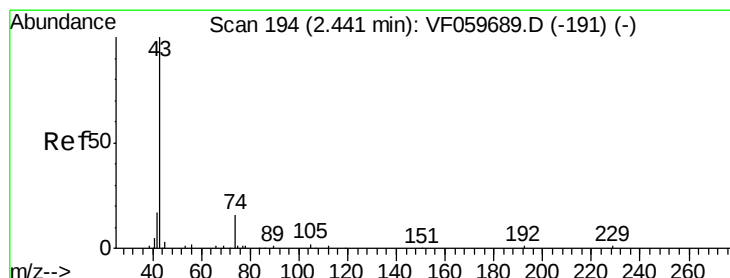
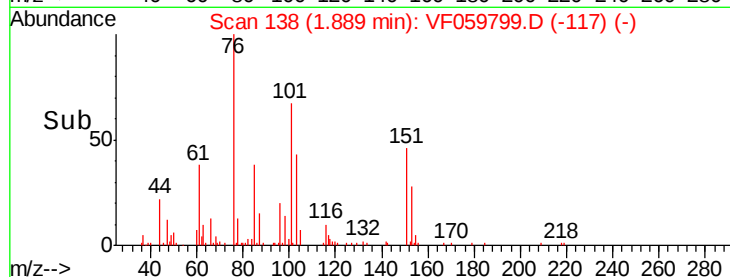
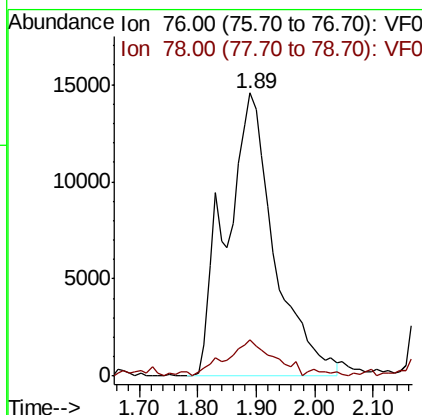
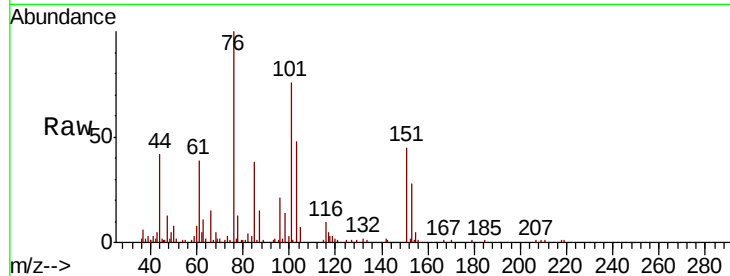
#17
Carbon Disulfide
Concen: 25.92 ug/l m
RT: 1.89 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion: 76 Resp: 83730
Ion Ratio Lower Upper
76 100
78 12.6 8.9 13.3

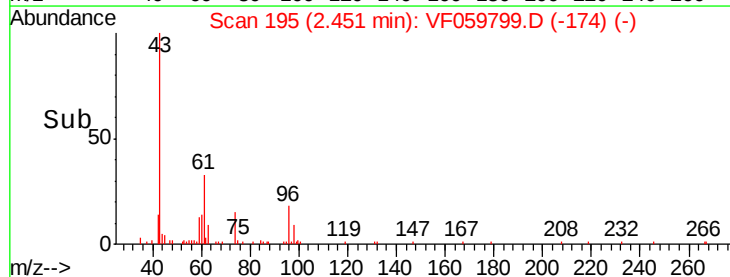
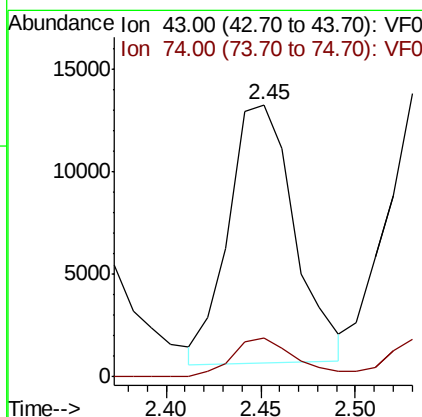
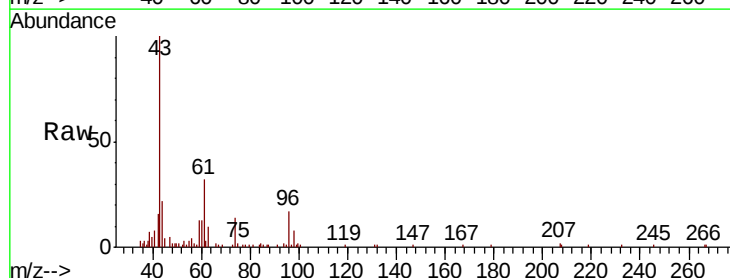
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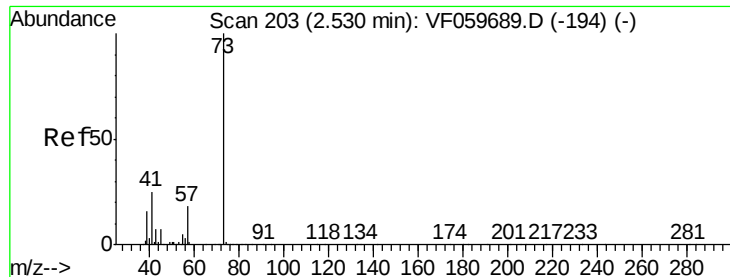
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#18
Methyl Acetate
Concen: 31.01 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Tgt Ion: 43 Resp: 30521
Ion Ratio Lower Upper
43 100
74 14.2 11.8 17.6





#19

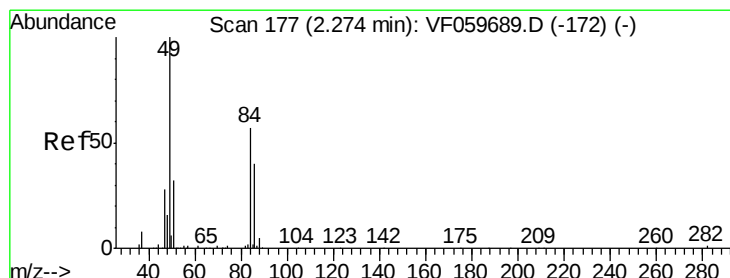
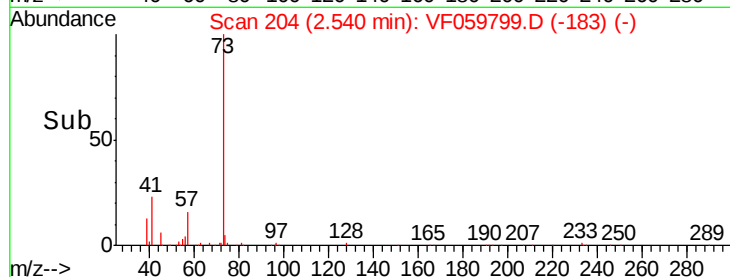
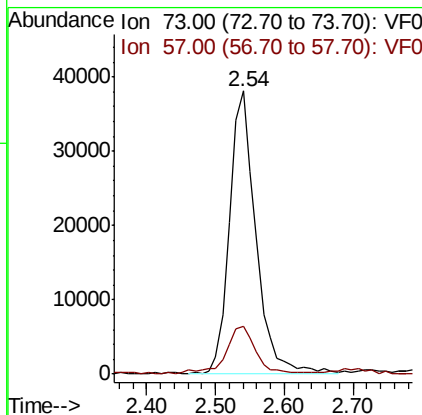
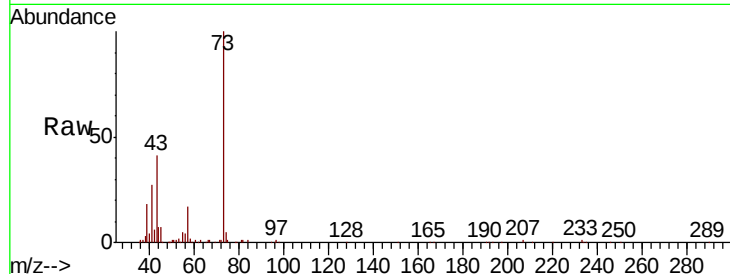
Methyl tert-butyl Ether
 Concen: 23.24 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.7	14.2	21.2

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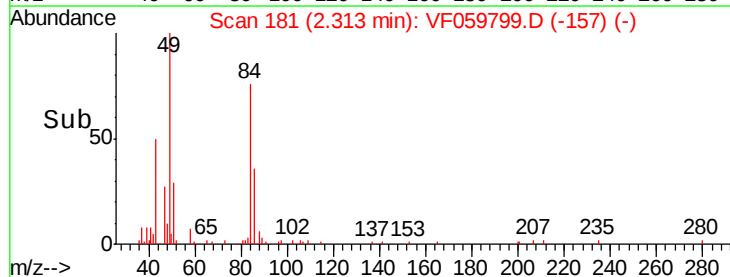
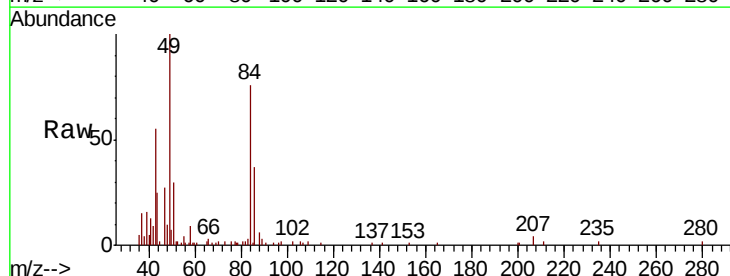
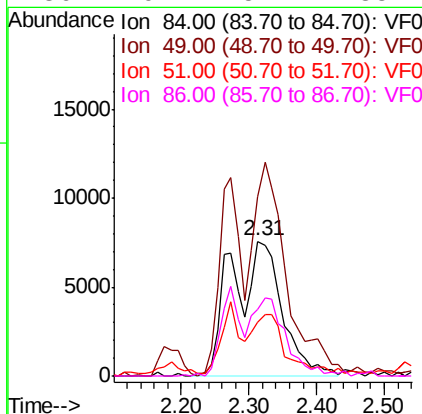
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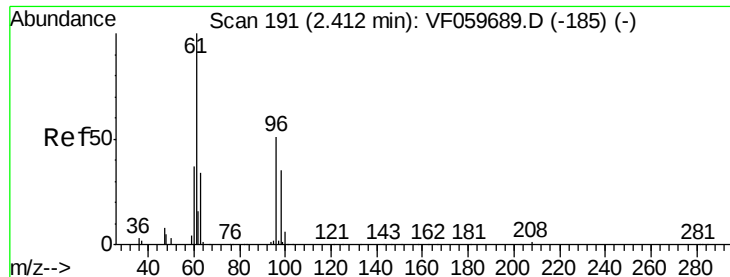


#20

Methylene Chloride
 Concen: 26.80 ug/l m
 RT: 2.31 min Scan# 181
 Delta R.T. 0.04 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.4	142.2	213.4#
51	40.2	46.2	69.2#
86	49.4	57.1	85.7#





#21

trans-1,2-Dichloroethene

Concen: 25.59 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

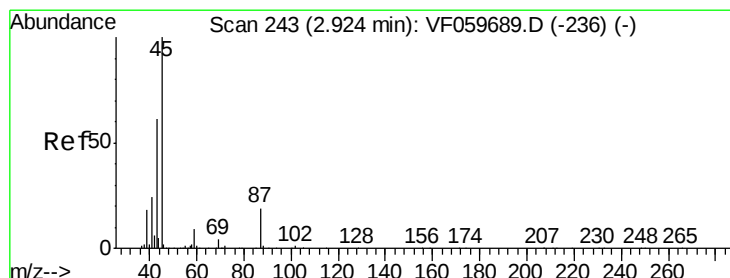
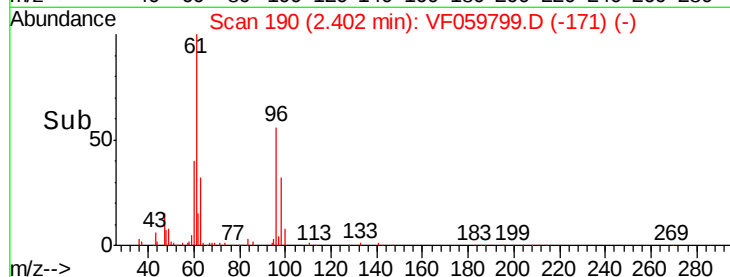
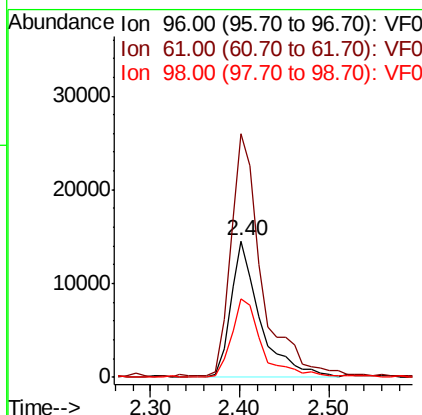
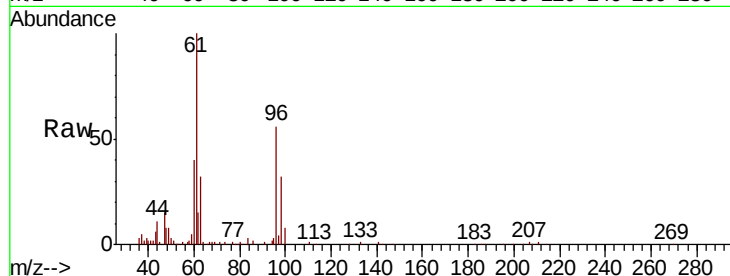
ClientSampleId :

VF0802SBSD01

Tot Ion:	96	Resp:	33646
Ion	Ratio	Lower	Upper
96	100		
61	178.5	157.4	236.0
98	57.2	55.0	82.4

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#22

Diisopropyl ether

Concen: 24.77 ug/l

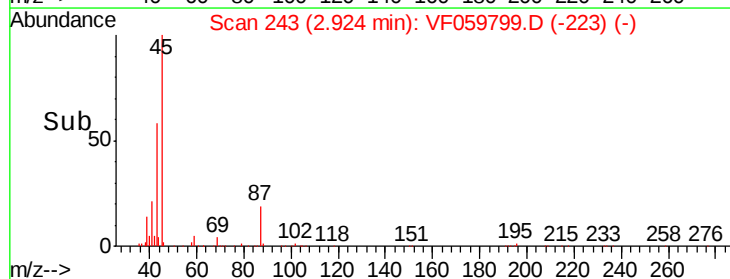
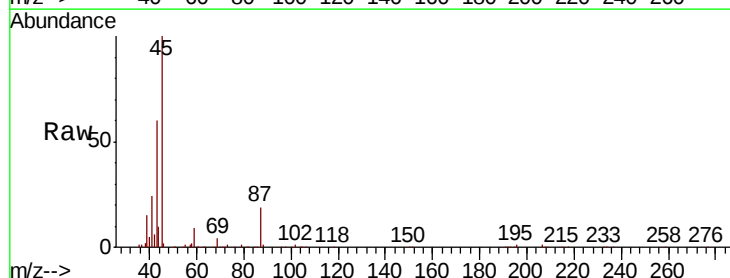
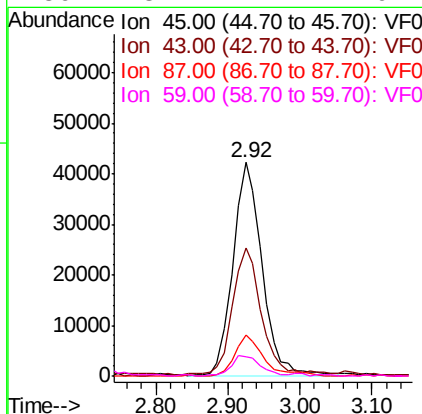
RT: 2.92 min Scan# 243

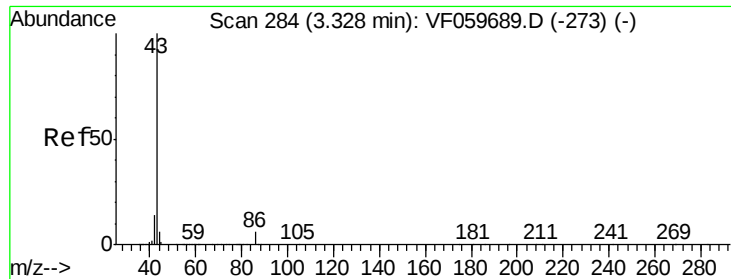
Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	45	Resp:	119758
Ion	Ratio	Lower	Upper
45	100		
43	60.2	49.3	73.9
87	19.3	15.3	22.9
59	8.7	7.1	10.7





#23

Vinyl Acetate

Concen: 110.70 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 43 Resp: 275209

Ion Ratio Lower Upper

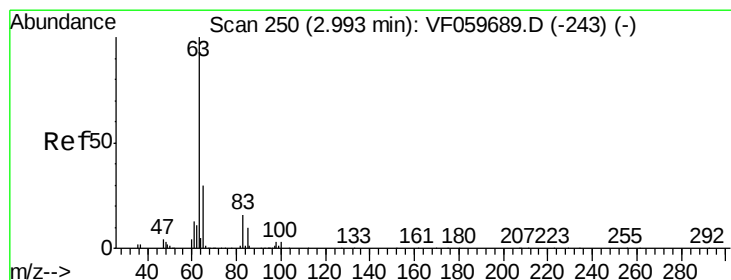
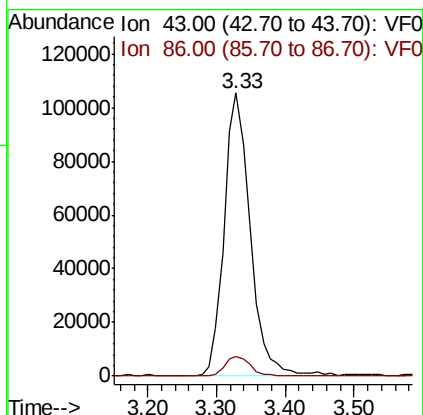
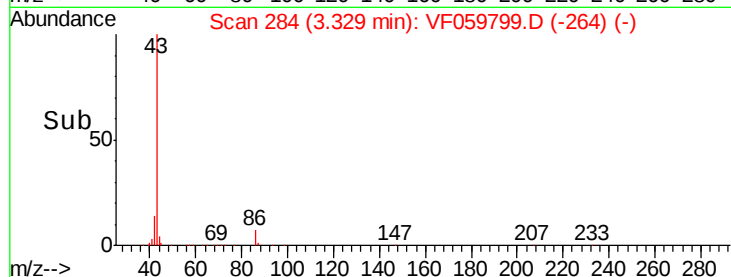
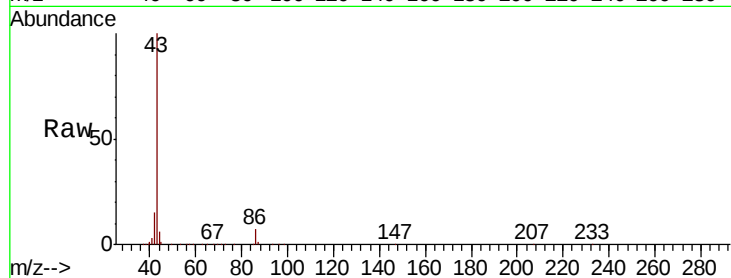
43 100

86 6.8 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 24.02 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

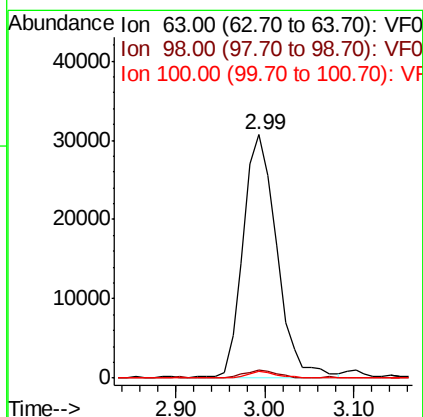
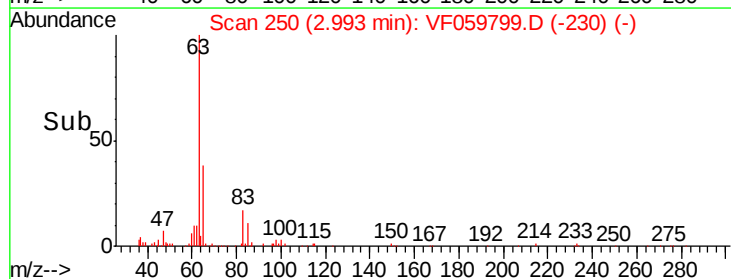
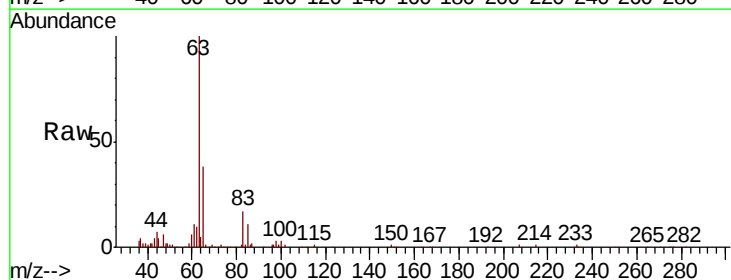
Tgt Ion: 63 Resp: 80704

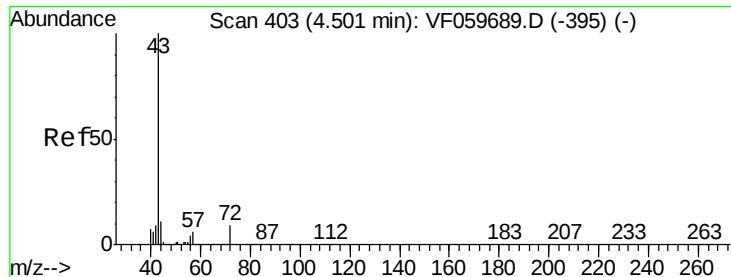
Ion Ratio Lower Upper

63 100

98 3.4 1.4 4.2

100 2.6 1.6 4.7





#25

2-Butanone

Concen: 107.88 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 43 Resp: 71977

Ion Ratio Lower Upper

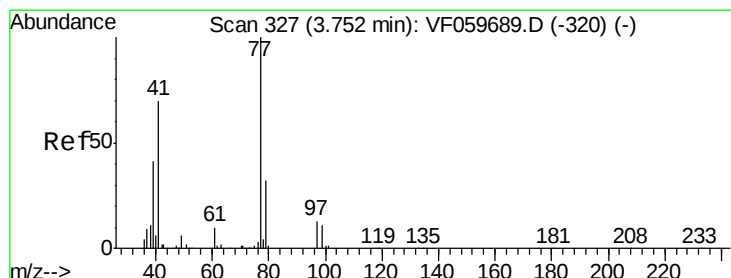
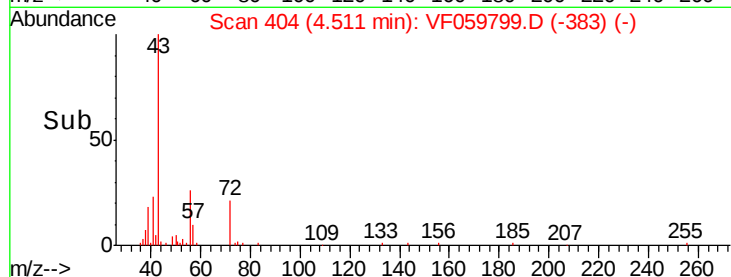
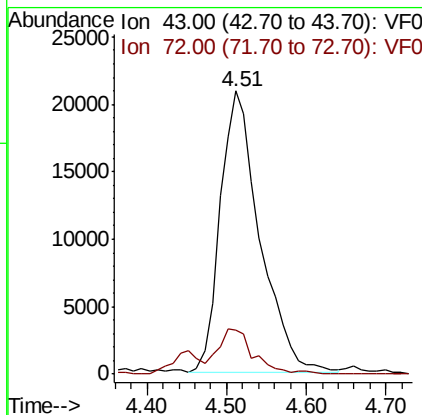
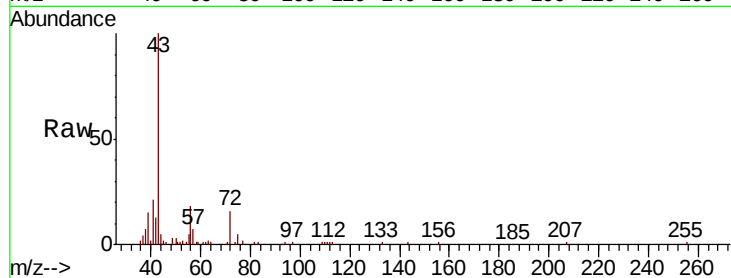
43 100

72 15.7 7.7 11.5#

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 23.41 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059799.D

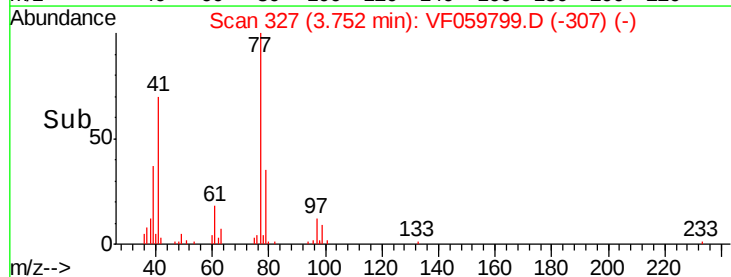
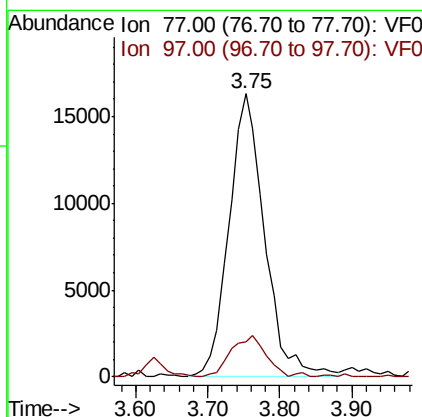
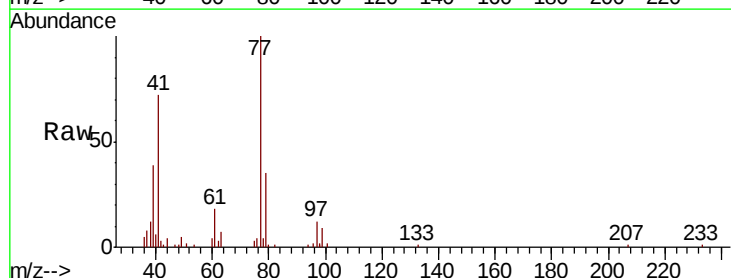
Acq: 2 Aug 2018 14:34

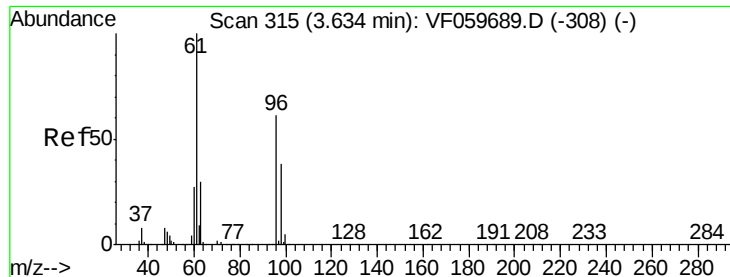
Tgt Ion: 77 Resp: 56067

Ion Ratio Lower Upper

77 100

97 12.5 6.8 20.4





#27

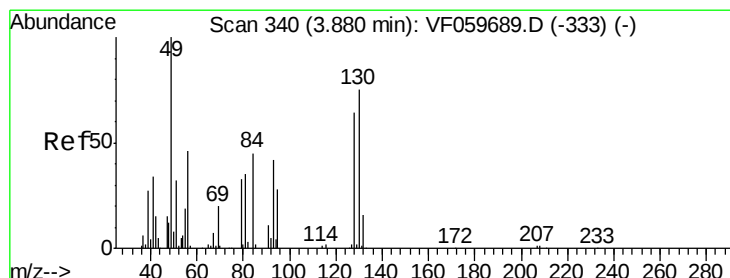
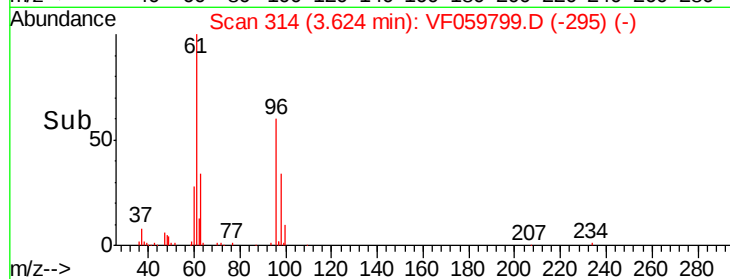
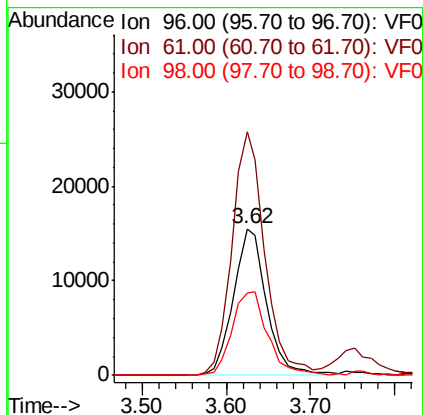
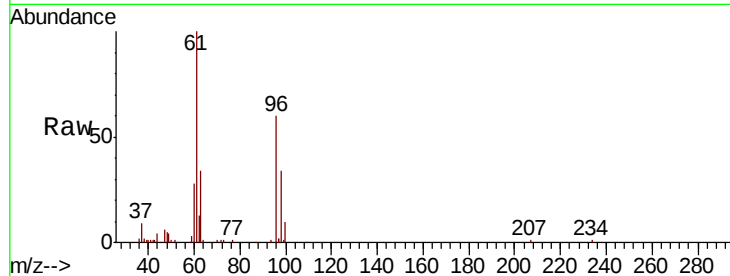
cis-1,2-Dichloroethene
 Concen: 23.64 ug/l
 RT: 3.62 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	42526		
61	166.0	0.0	326.8	
98	56.0	0.0	125.2	

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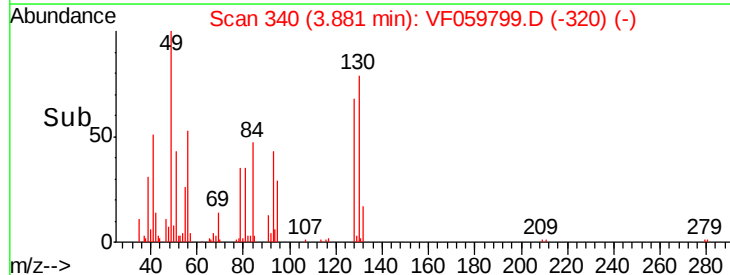
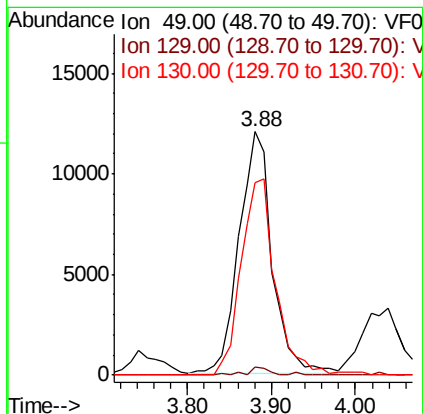
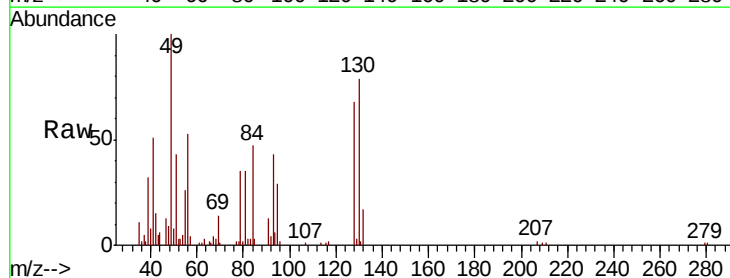
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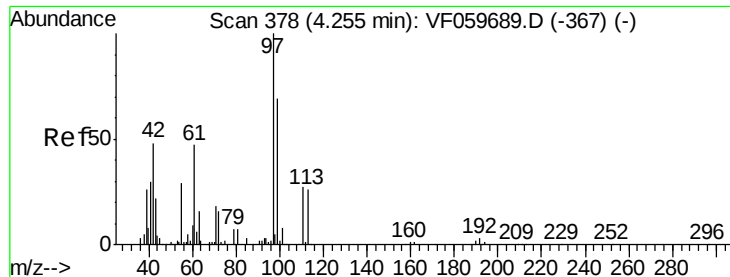


#28

Bromochloromethane
 Concen: 25.64 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32606		
129	3.3	0.0	4.8	
130	79.1	59.6	89.4	





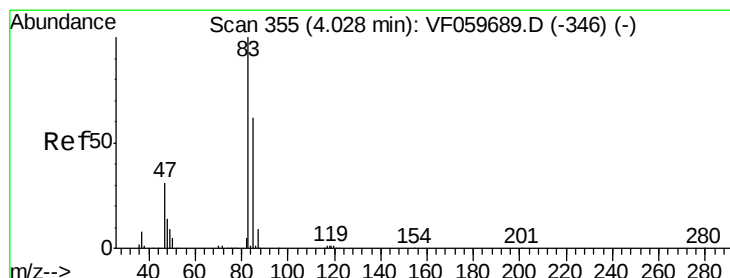
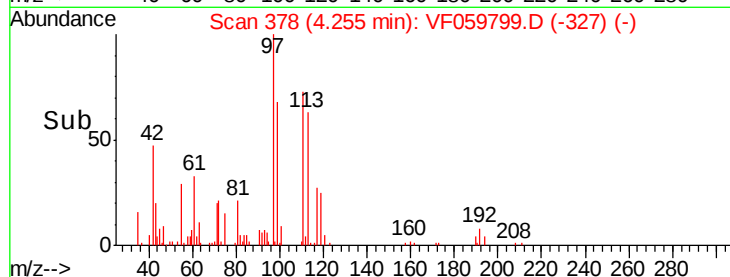
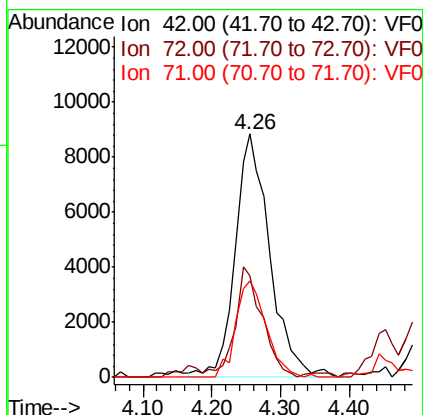
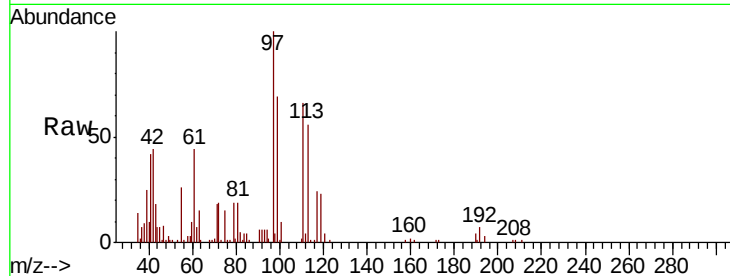
#29
Tetrahydrofuran
Concen: 120.22 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	27.0	40.6
71	35.0	29.7	44.5

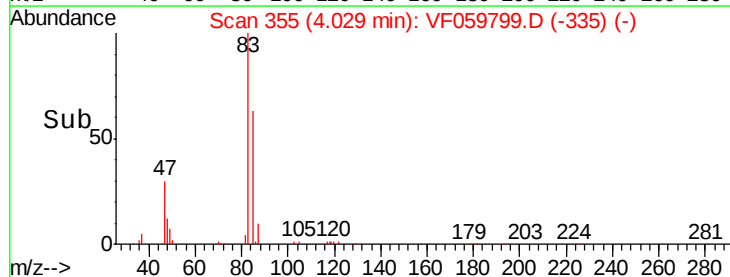
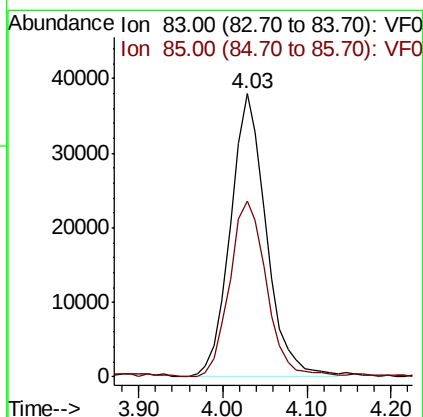
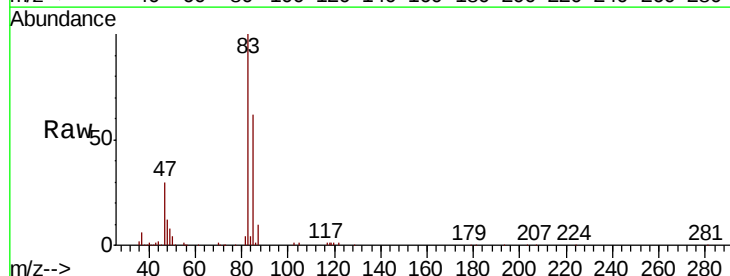
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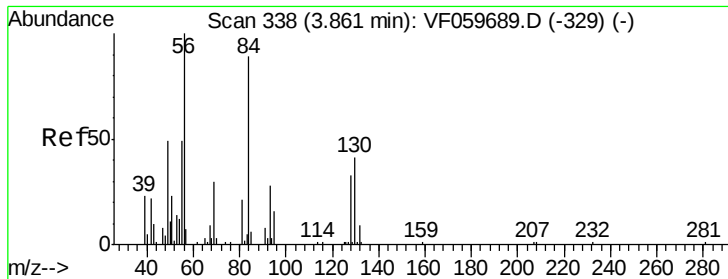
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#30
Chloroform
Concen: 23.76 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.4	74.0





#31

Cyclohexane

Concen: 25.01 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 56 Resp: 44073

Ion Ratio Lower Upper

56 100

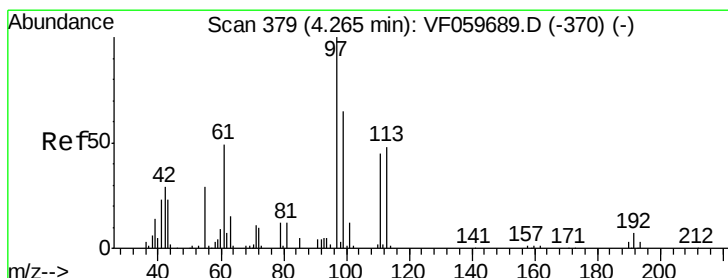
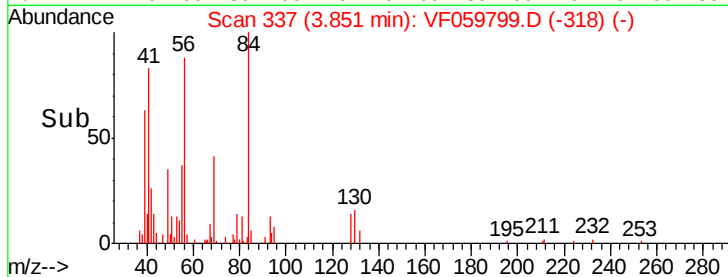
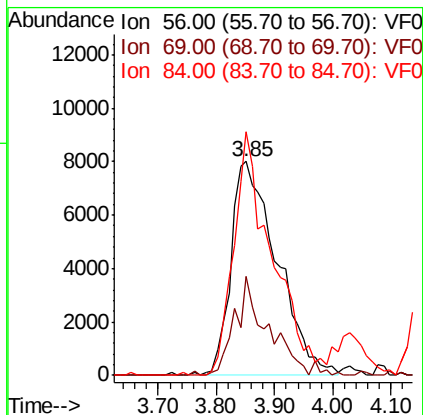
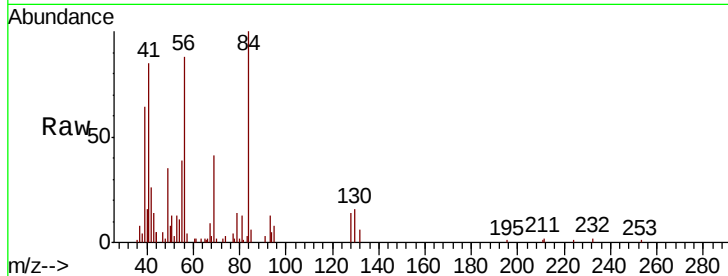
69 46.6 23.7 35.5#

84 113.9 71.1 106.7#

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#32

1,1,1-Trichloroethane

Concen: 22.94 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

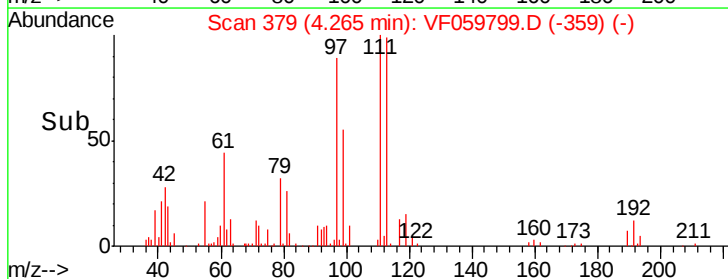
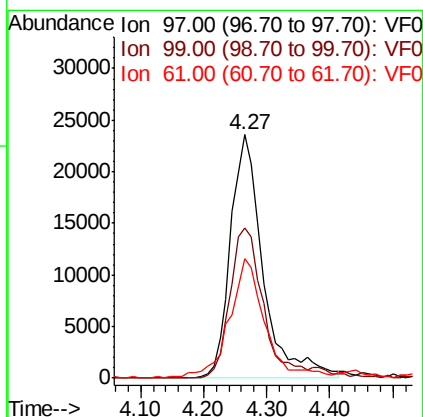
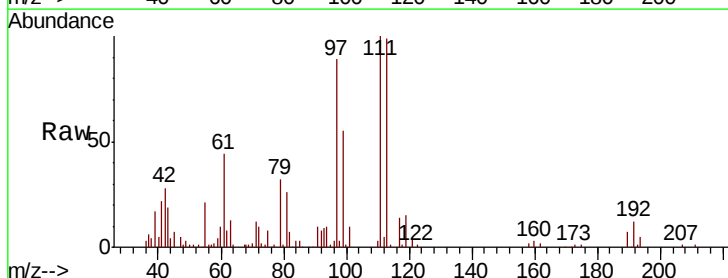
Tgt Ion: 97 Resp: 84374

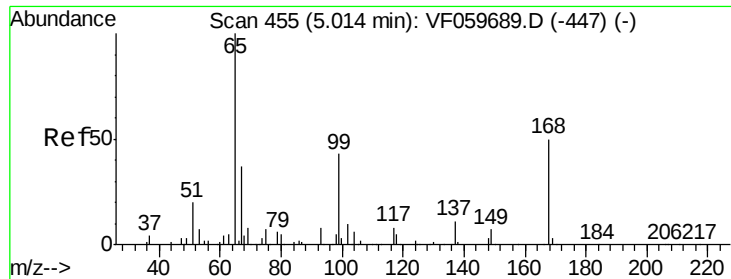
Ion Ratio Lower Upper

97 100

99 61.6 52.4 78.6

61 48.8 39.7 59.5





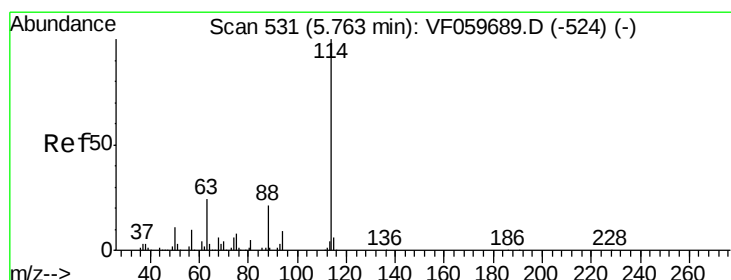
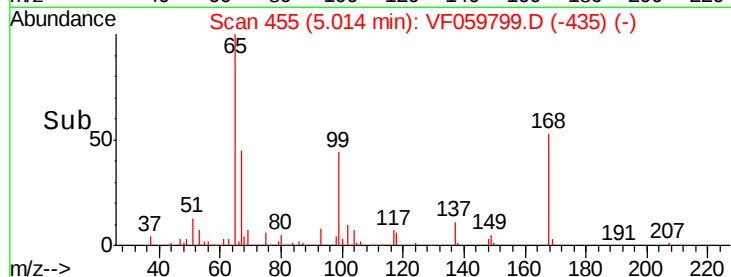
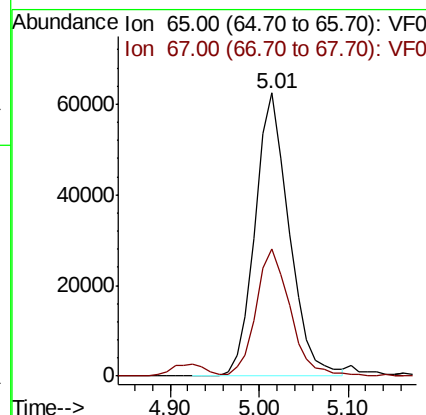
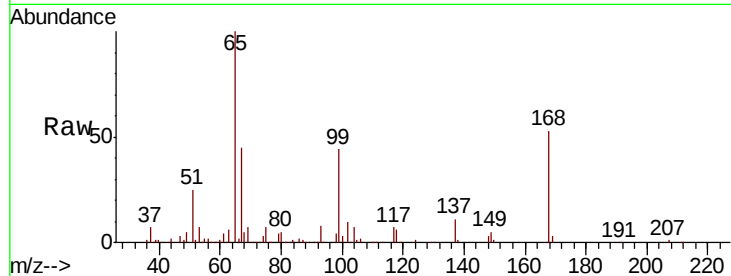
#33
 1,2-Dichloroethane-d4
 Concen: 49.54 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164670		
67	45.0	0.0	84.6	

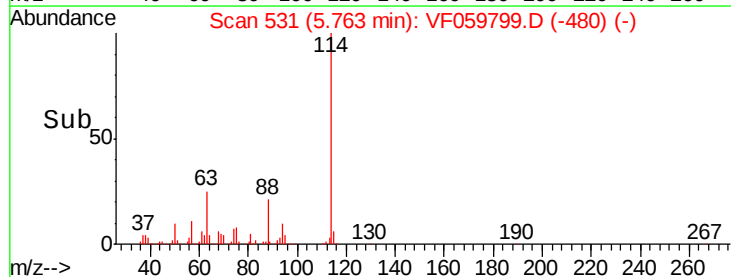
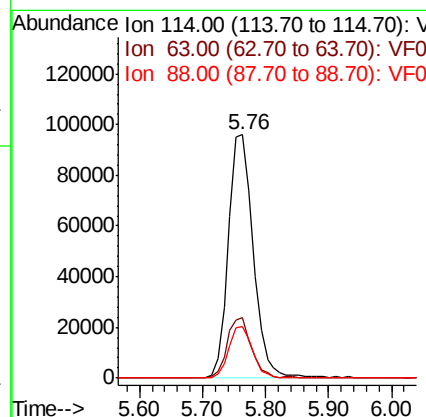
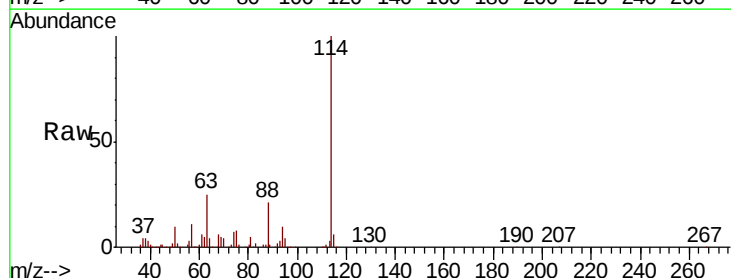
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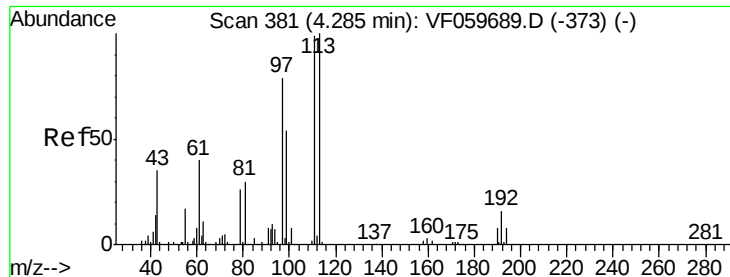
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	264028		
63	25.0	0.0	47.4	
88	21.1	0.0	41.2	





#35

Dibromofluoromethane

Concen: 50.07 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

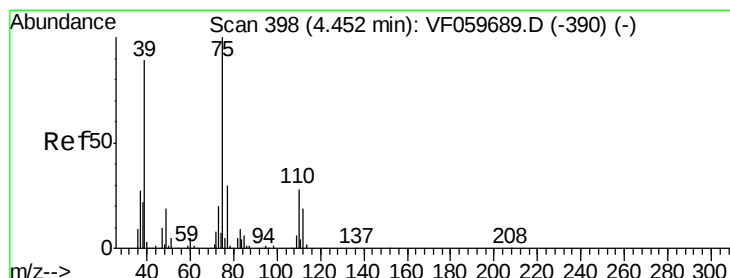
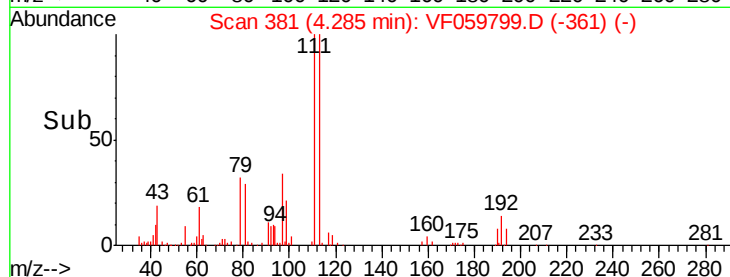
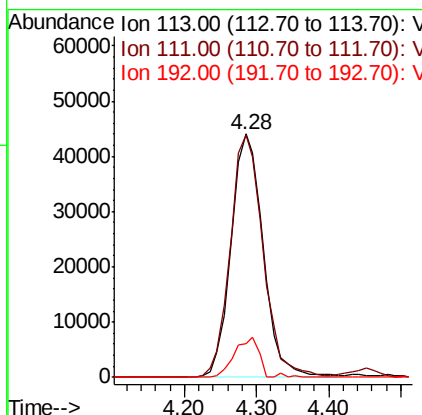
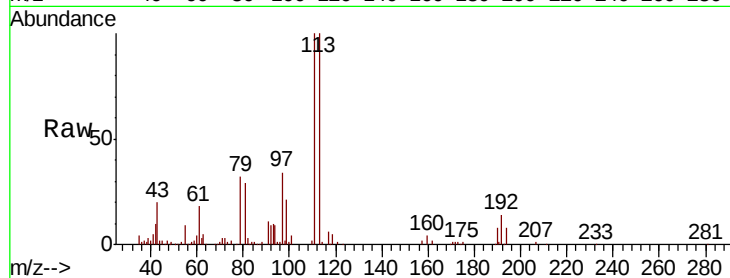
ClientSampleId :

VF0802SBSD01

Tot Ion:	113	Resp:	137316
Ion Ratio	Lower	Upper	
113	100		
111	99.7	79.0	118.4
192	14.1	13.2	19.8

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#36

1,1-Dichloropropene

Concen: 23.69 ug/l

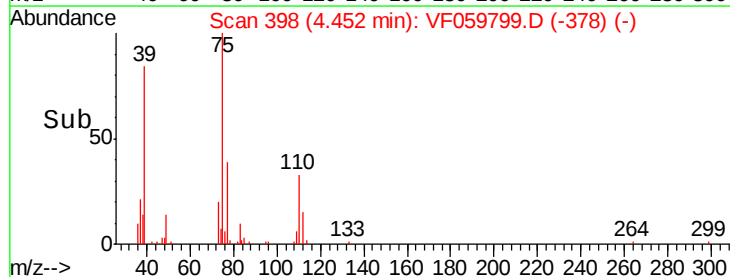
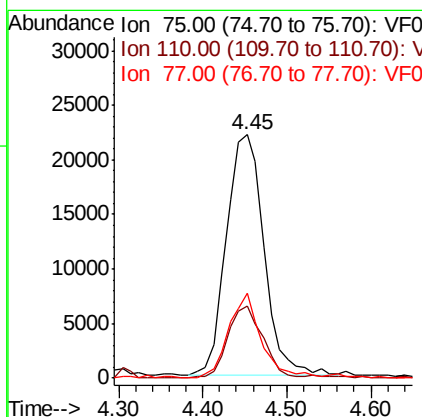
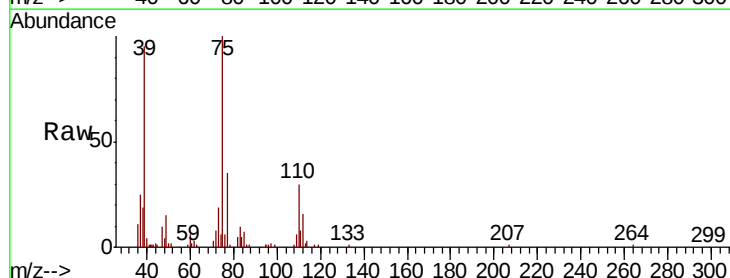
RT: 4.45 min Scan# 398

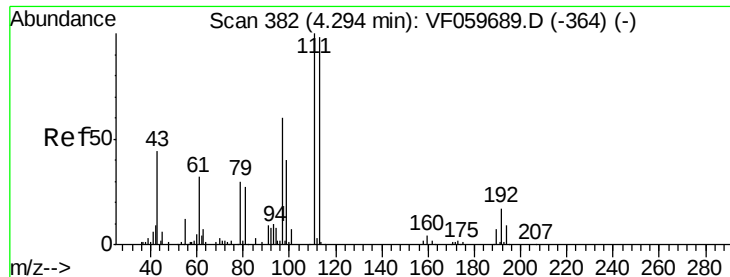
Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	75	Resp:	68868
Ion Ratio	Lower	Upper	
75	100		
110	29.8	14.0	41.9
77	34.7	24.2	36.2





#37

Ethyl Acetate

Concen: 23.25 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

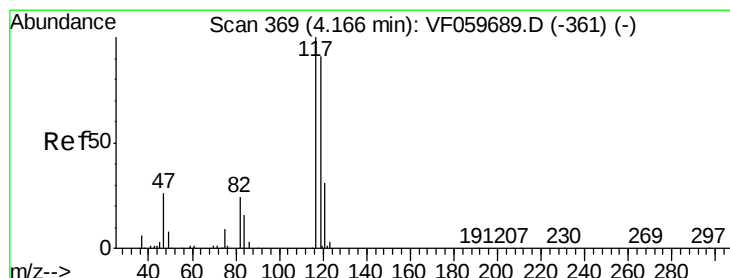
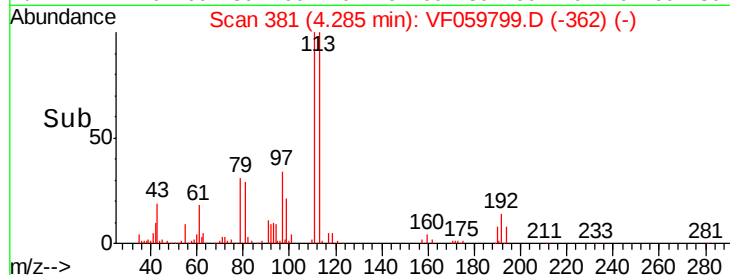
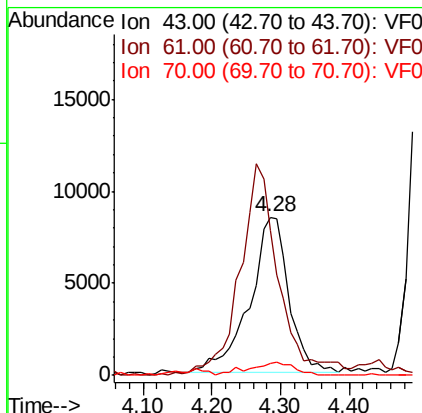
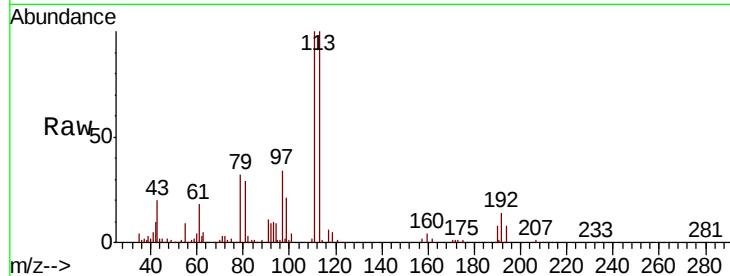
ClientSampleId :

VF0802SBSD01

Tot Ion:	43	Resp:	33907
Ion Ratio	Lower	Upper	
43	100		
61	91.3	58.2	87.2#
70	7.6	6.0	9.0

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#38

Carbon Tetrachloride

Concen: 25.77 ug/l

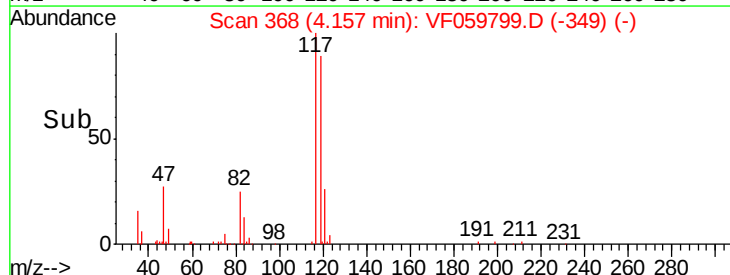
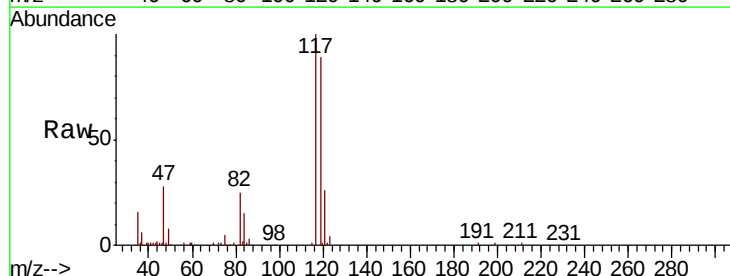
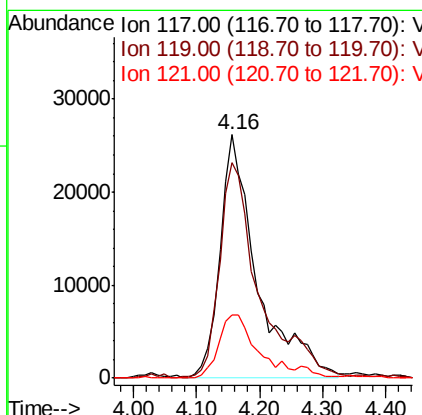
RT: 4.16 min Scan# 368

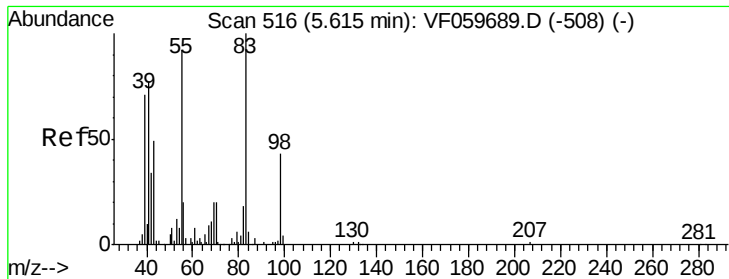
Delta R.T. -0.01 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	117	Resp:	108196
Ion Ratio	Lower	Upper	
117	100		
119	88.5	72.9	109.3
121	25.8	25.0	37.4





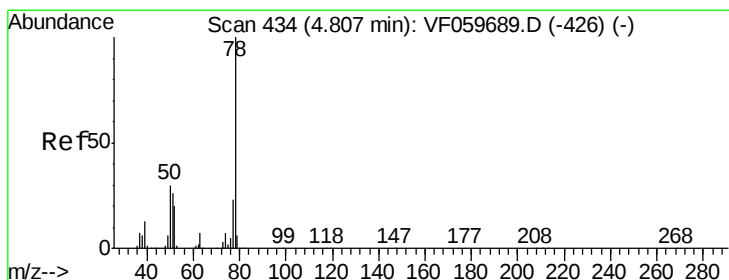
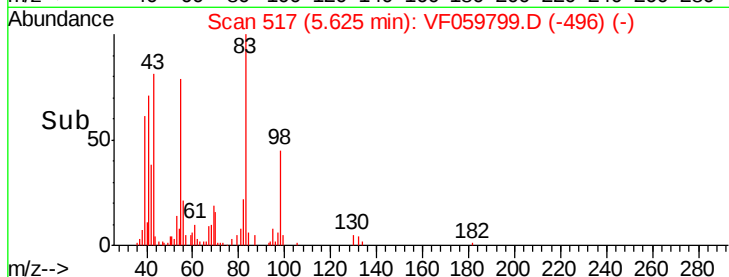
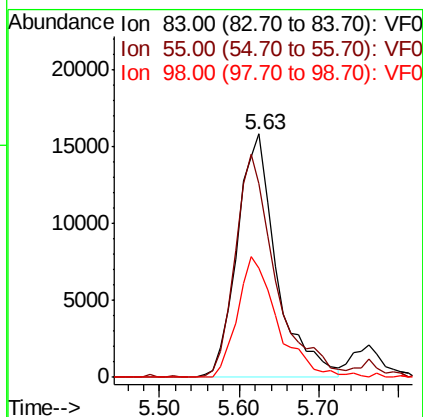
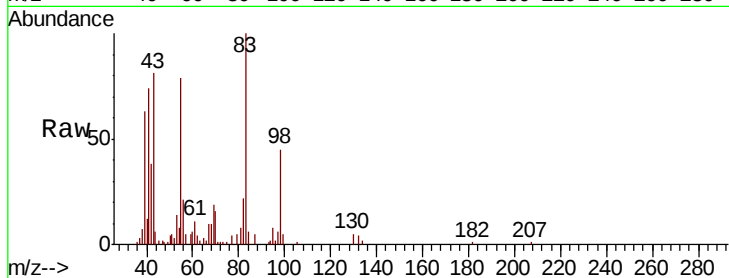
#39
Methvlcvclohexane
Concen: 24.26 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.5	73.4	110.2
98	45.0	34.2	51.4

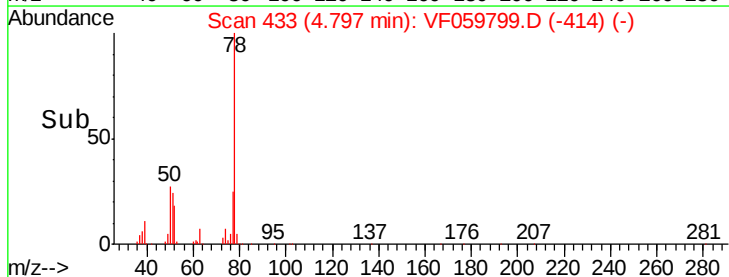
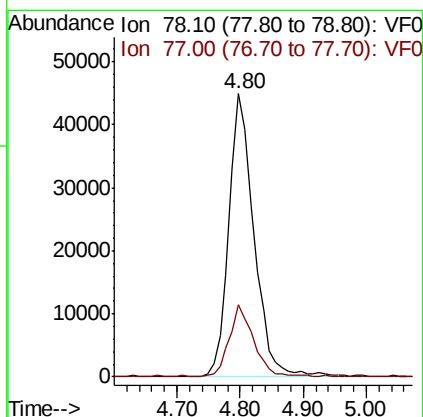
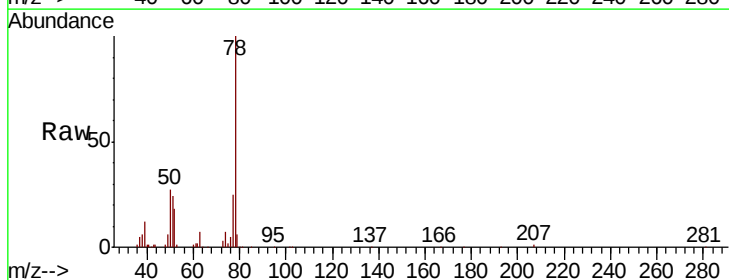
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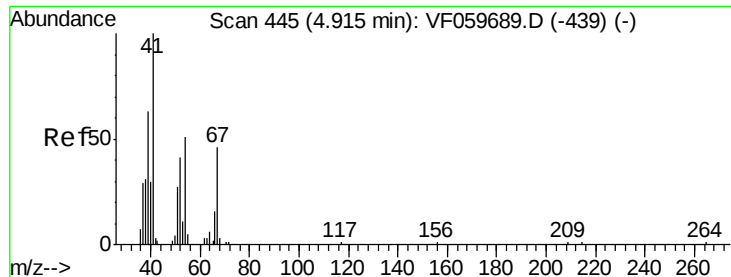
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#40
Benzene
Concen: 23.22 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	18.9	28.3





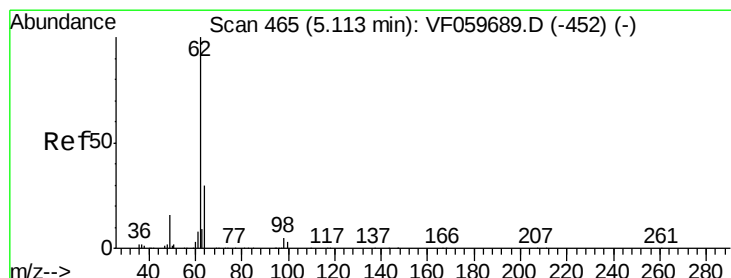
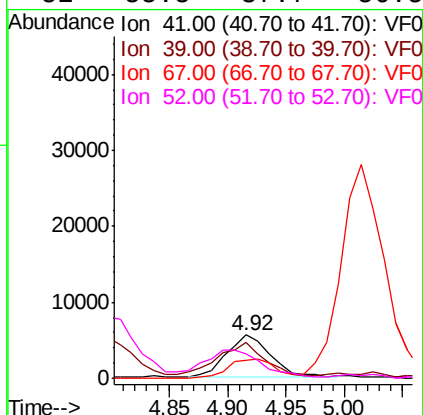
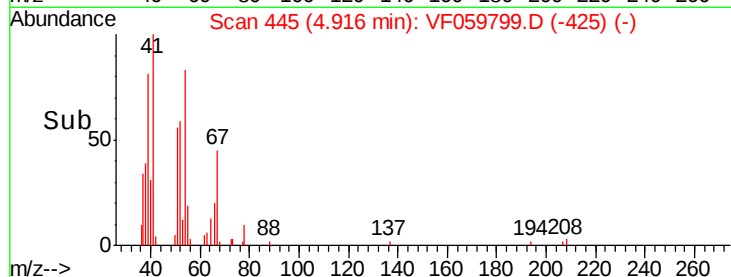
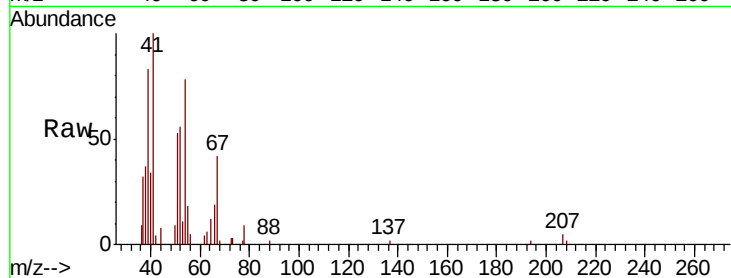
#41
Methacrylonitrile
Concen: 20.34 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	83.2	55.2	82.8#
67	42.5	36.2	54.2
52	55.5	37.7	56.5

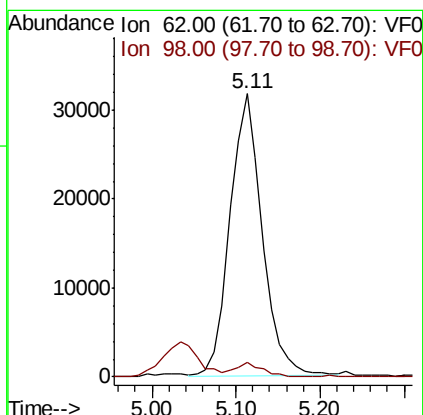
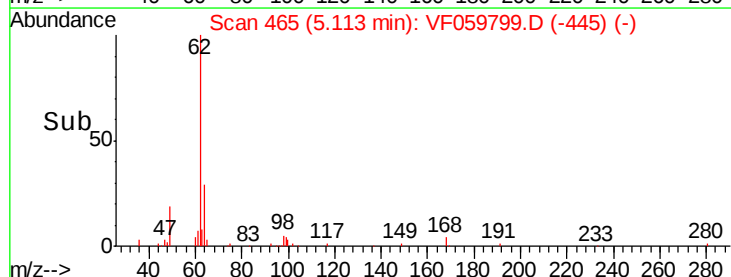
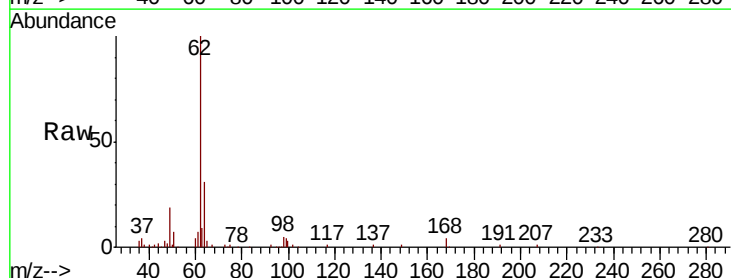
Manual Integrations
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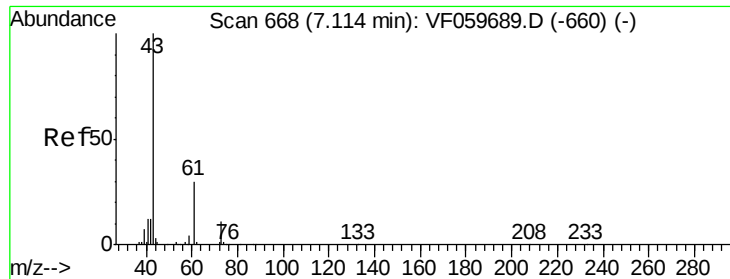
apatel
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#42
1,2-Dichloroethane
Concen: 22.67 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	9.6





#43

Isopropyl Acetate

Concen: 21.24 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

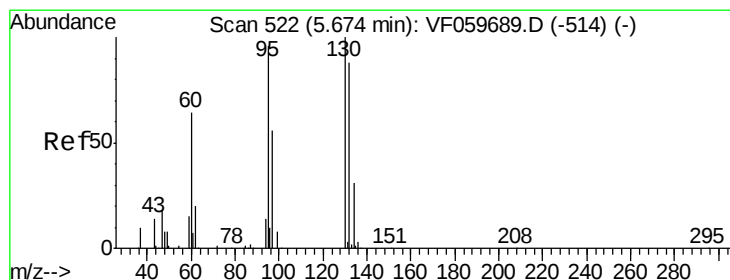
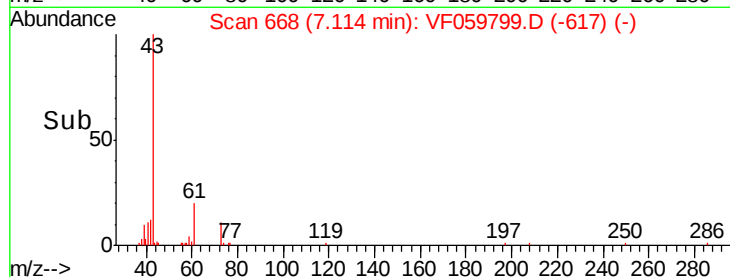
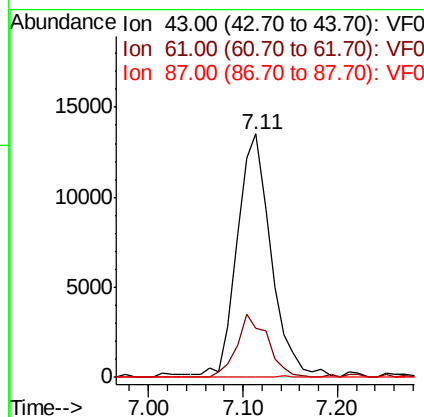
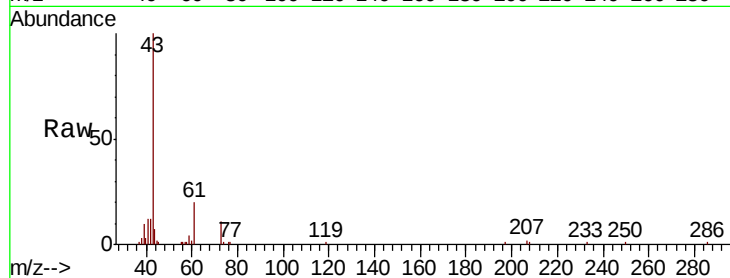
ClientSampleId :

VF0802SBSD01

Tot Ion:	43	Resp:	33531
Ion Ratio	Lower	Upper	
43	100		
61	20.1	23.8	35.8#
87	0.0	0.6	1.0#

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#44

Trichloroethene

Concen: 23.69 ug/l

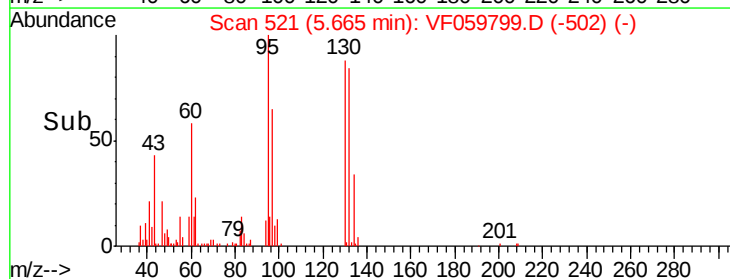
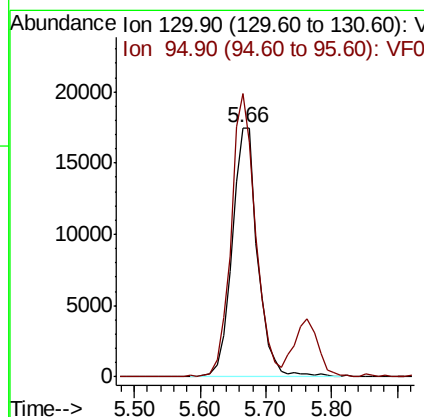
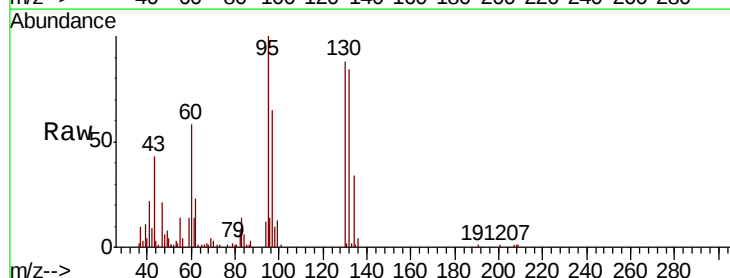
RT: 5.66 min Scan# 521

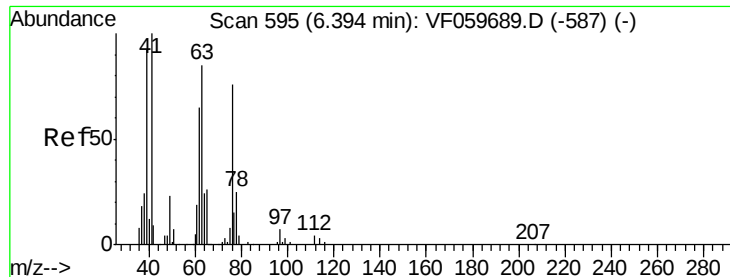
Delta R.T. -0.01 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	130	Resp:	47314
Ion Ratio	Lower	Upper	
130	100		
95	110.5	0.0	191.0





#45

1,2-Dichloropropane

Concen: 23.97 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 63 Resp: 33752

Ion Ratio Lower Upper

63 100

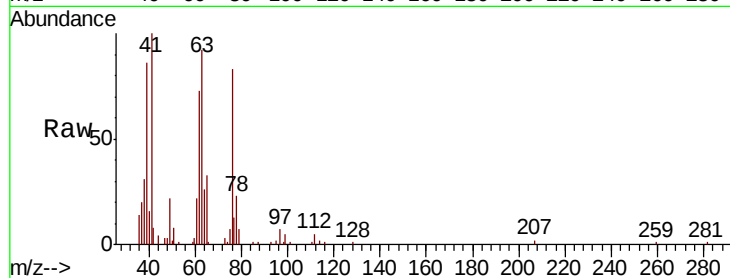
65 36.2 25.2 37.8

Manual Integrations

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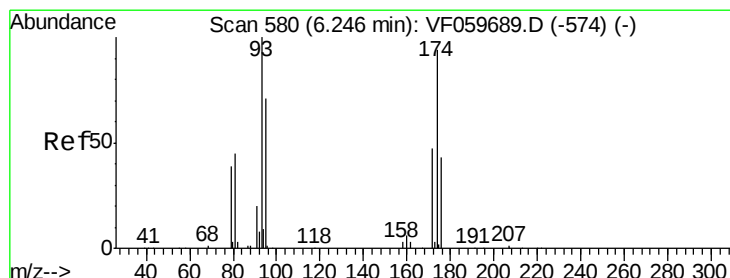
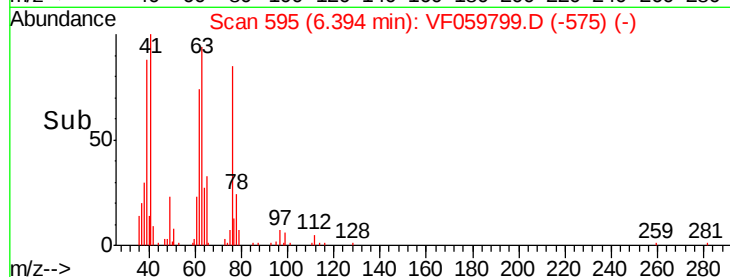
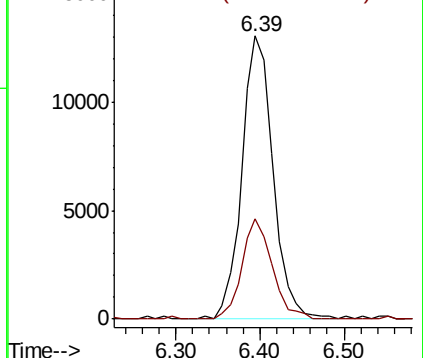
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 23.37 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

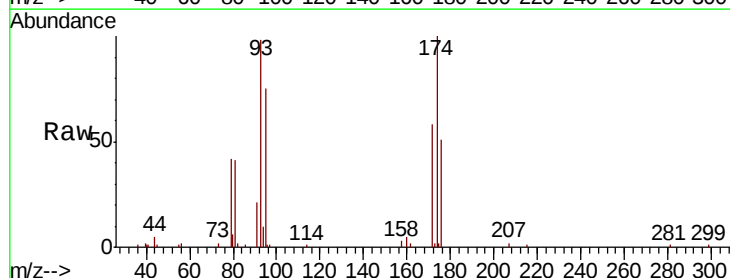
Tgt Ion: 93 Resp: 31236

Ion Ratio Lower Upper

93 100

95 77.0 57.1 85.7

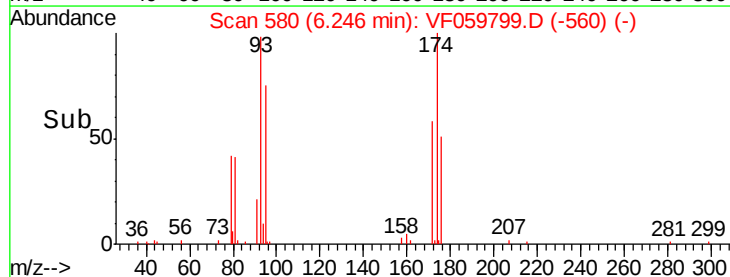
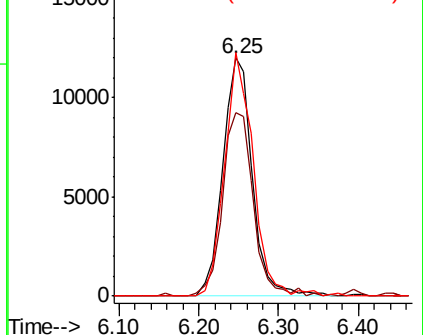
174 102.1 74.8 112.2

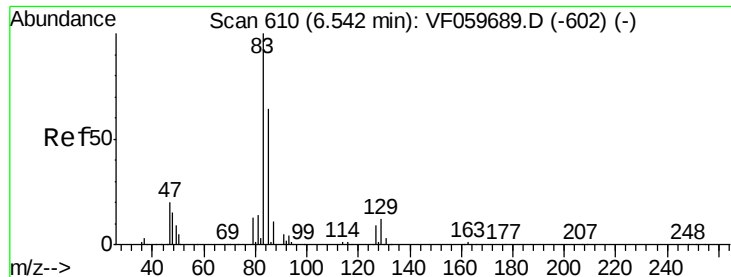


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 23.23 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

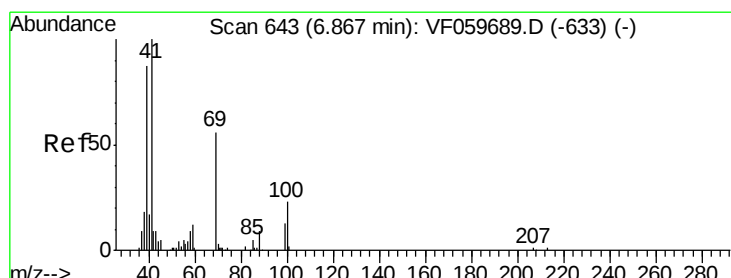
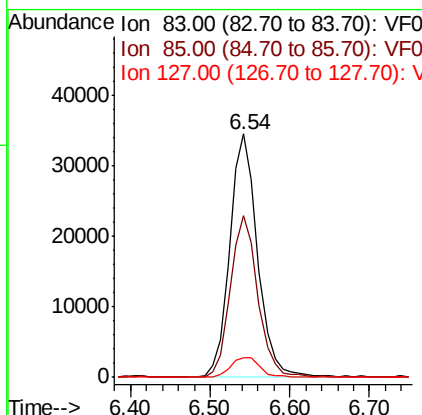
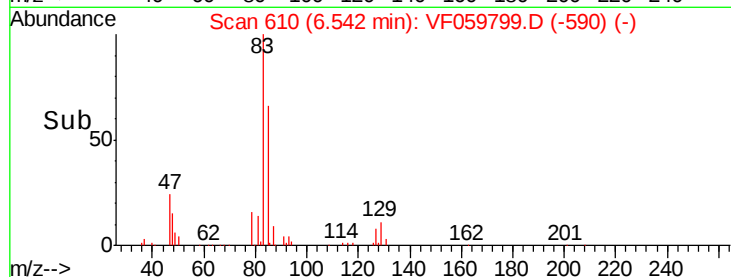
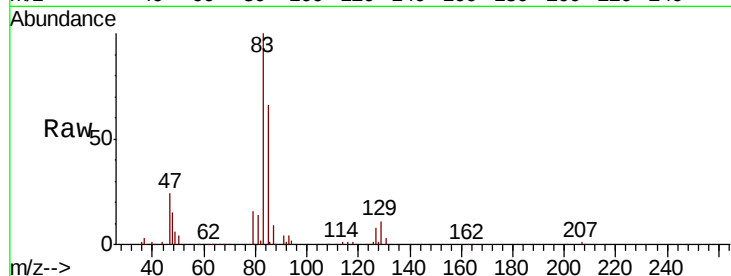
ClientSampleId :

VF0802SBSD01

Tot Ion:	83	Resp:	84553
Ion Ratio	Lower	Upper	
83	100		
85	66.9	51.0	76.6
127	7.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.29 ug/l

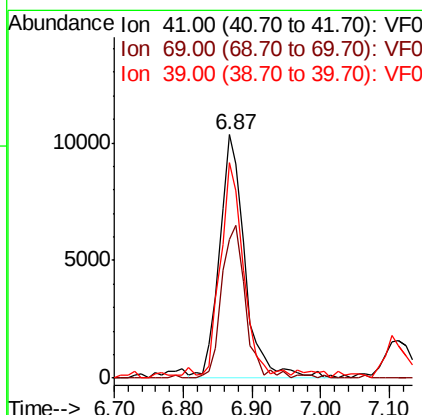
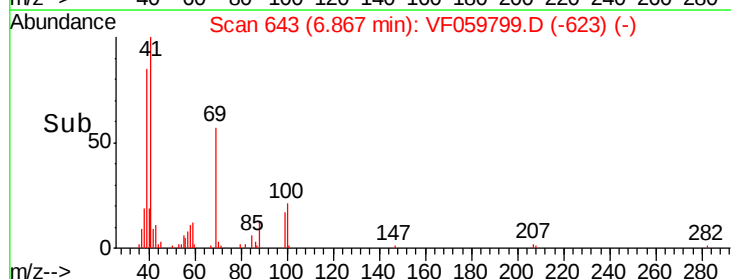
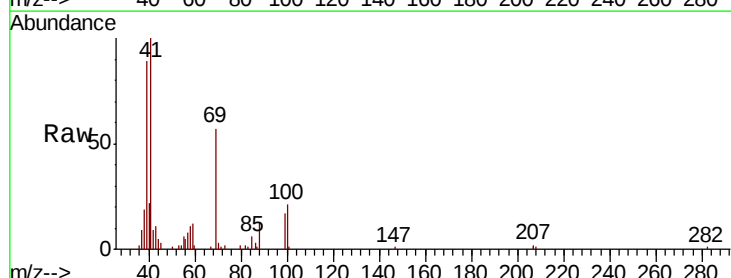
RT: 6.87 min Scan# 643

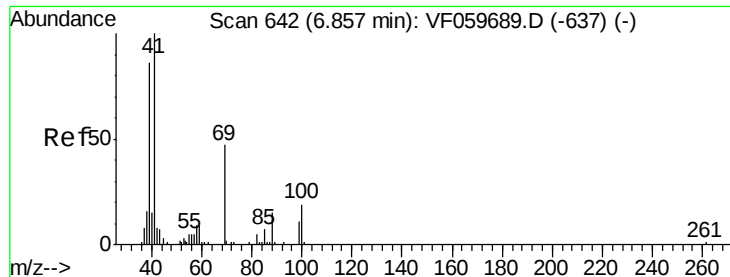
Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	41	Resp:	26470
Ion Ratio	Lower	Upper	
41	100		
69	56.8	44.4	66.6
39	88.7	69.4	104.2





#49

1,4-Dioxane

Concen: 568.02 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

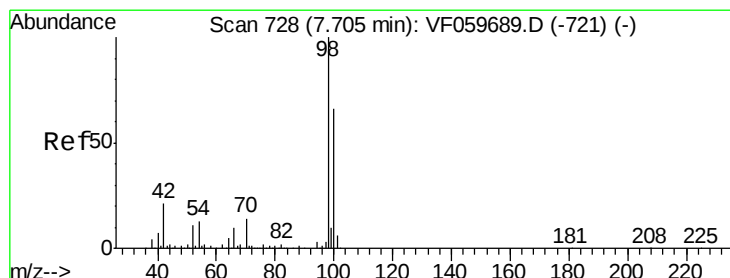
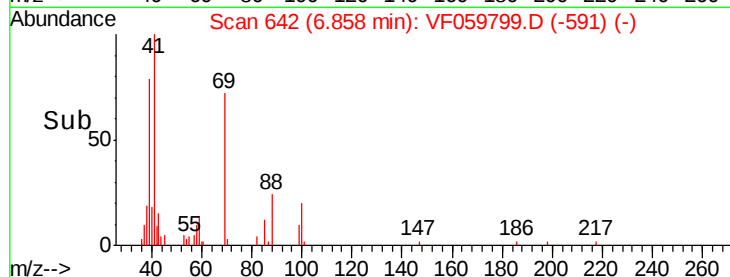
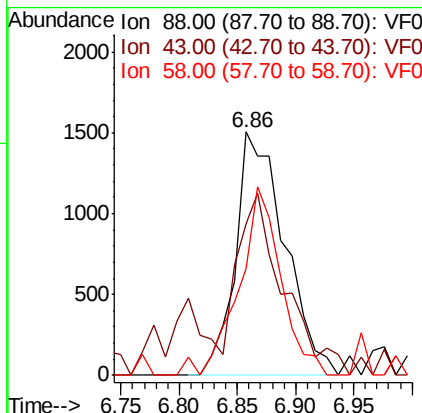
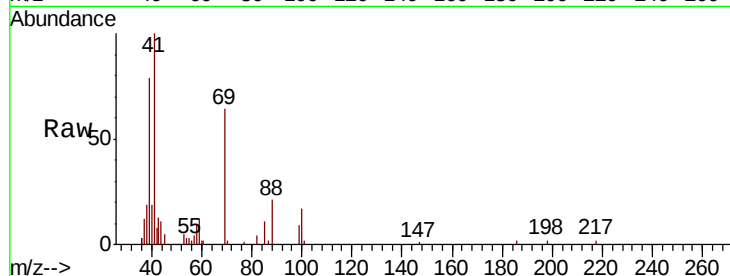
ClientSampleId :

VF0802SBSD01

Tot Ion:	88	Resp:	4395
Ion Ratio	Lower	Upper	
88	100		
43	62.2	45.2	67.8
58	43.6	49.0	73.6

Manual Integrations
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#50

Toluene-d8

Concen: 47.81 ug/l

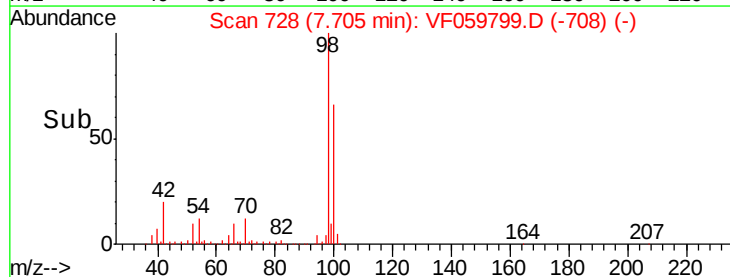
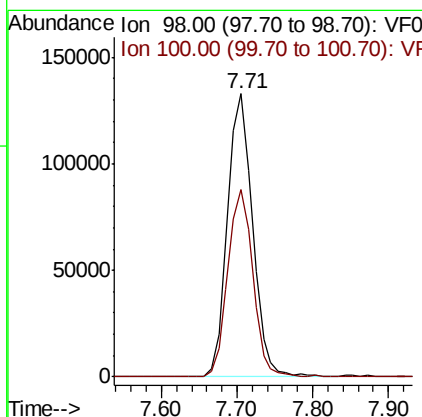
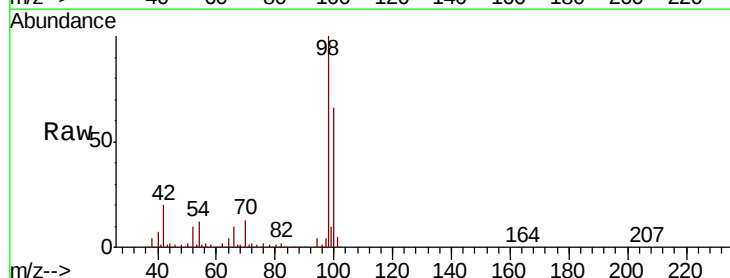
RT: 7.71 min Scan# 728

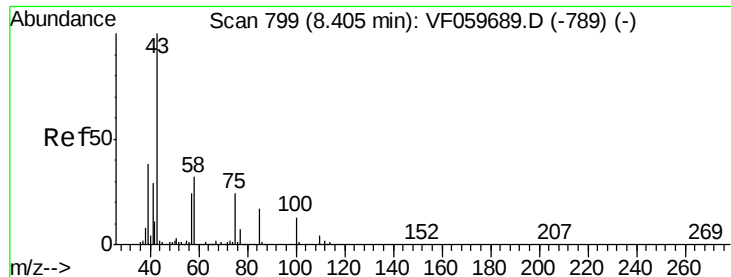
Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	98	Resp:	305752
Ion Ratio	Lower	Upper	
98	100		
100	66.2	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 117.60 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 43 Resp: 141239

Ion Ratio Lower Upper

43 100

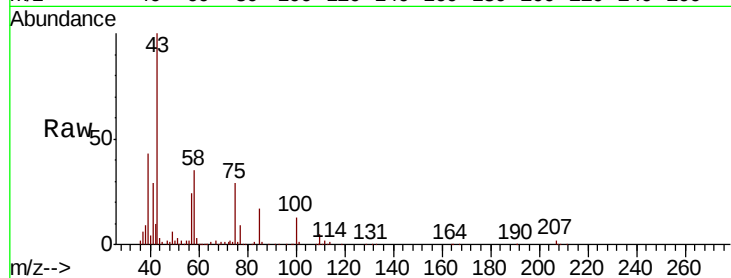
58 34.5 25.9 38.9

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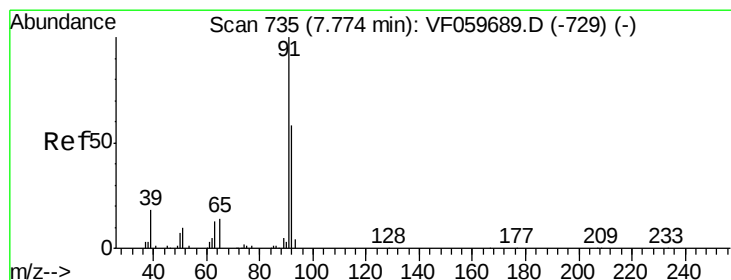
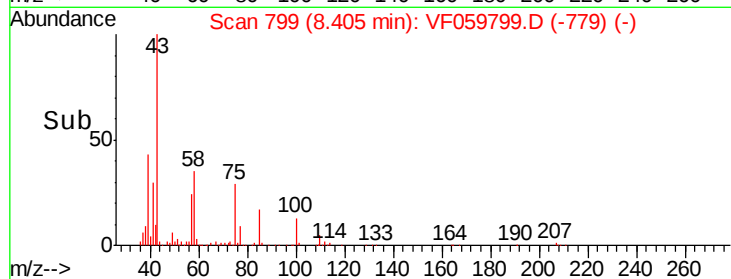
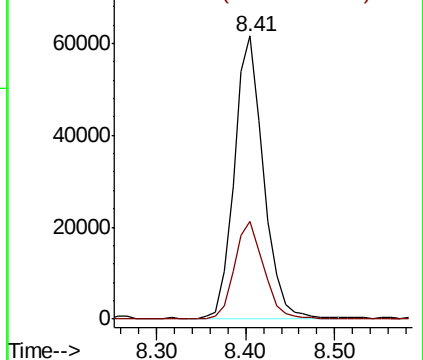
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 24.97 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059799.D

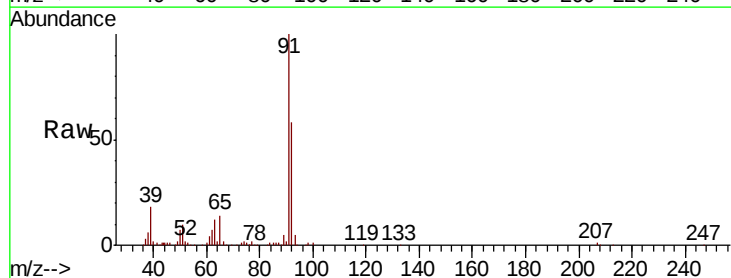
Acq: 2 Aug 2018 14:34

Tgt Ion: 92 Resp: 93317

Ion Ratio Lower Upper

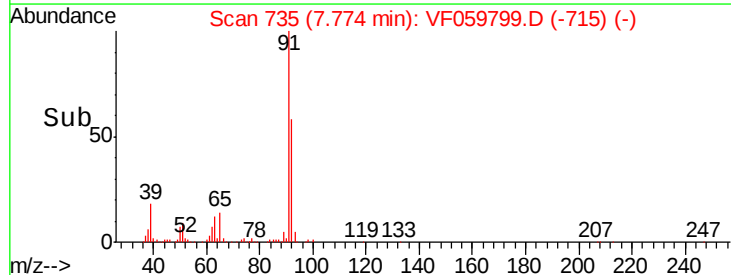
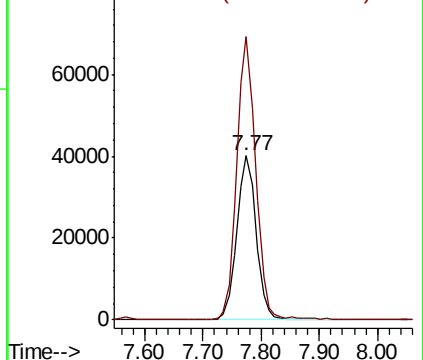
92 100

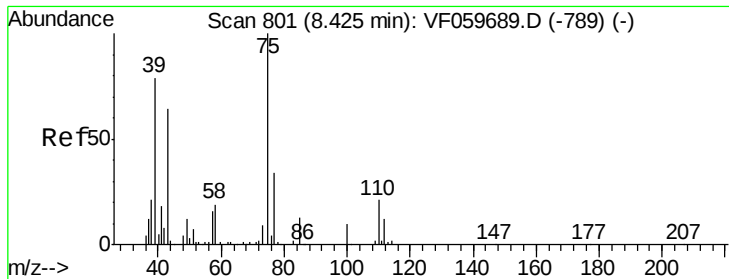
91 172.4 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 24.05 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 75 Resp: 75963

Ion Ratio Lower Upper

75 100

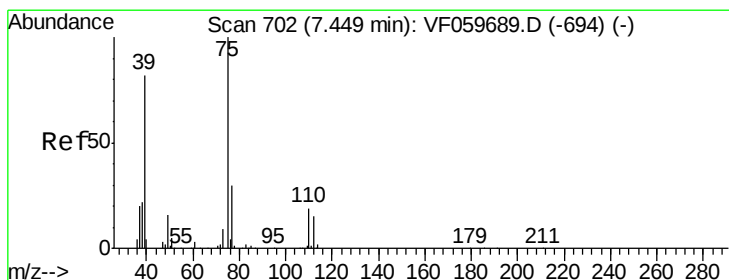
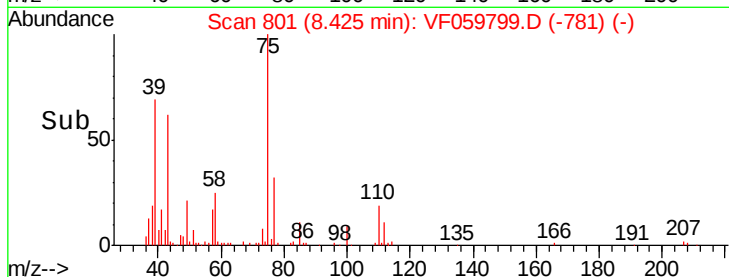
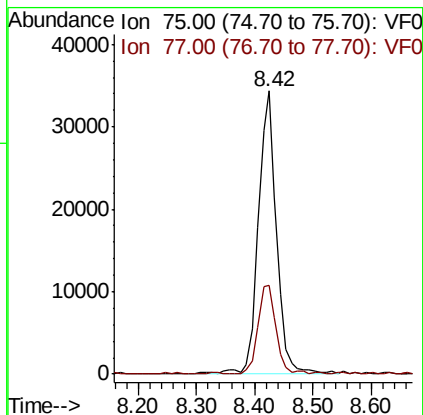
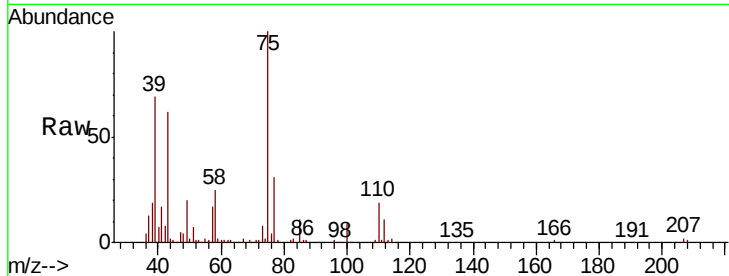
77 31.4 27.0 40.4

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#54

cis-1,3-Dichloropropene

Concen: 22.65 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

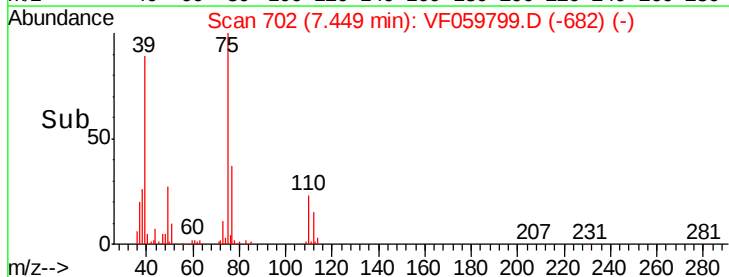
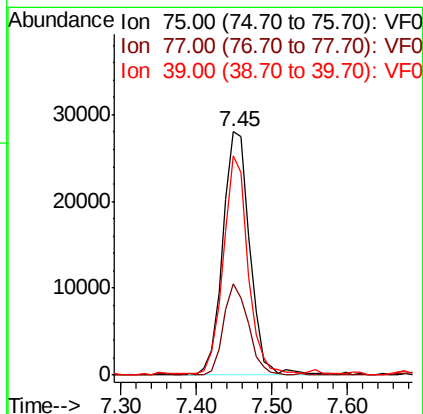
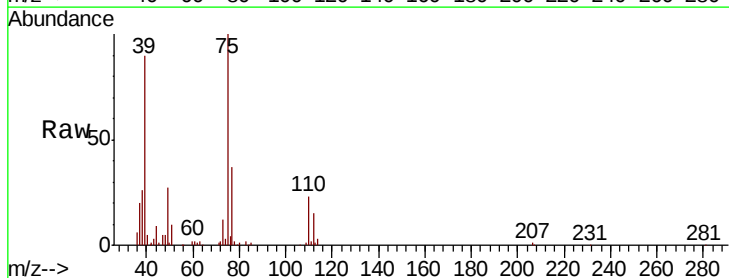
Tgt Ion: 75 Resp: 69317

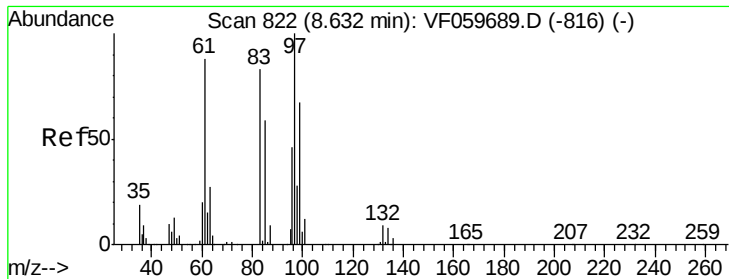
Ion Ratio Lower Upper

75 100

77 37.5 24.0 36.0#

39 90.1 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 21.72 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

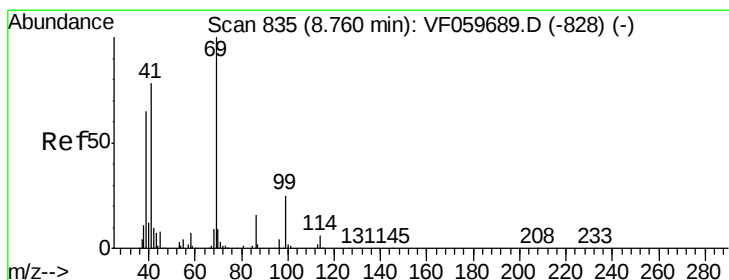
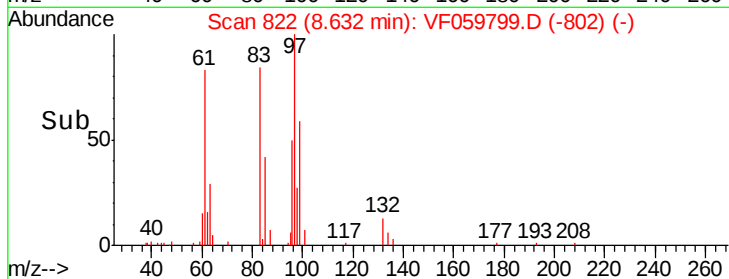
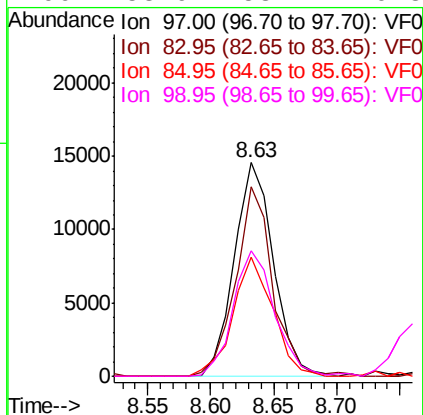
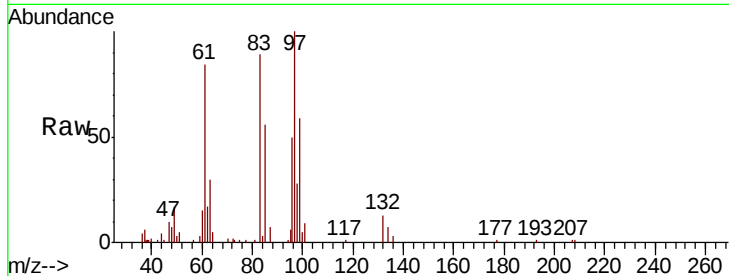
ClientSampleId :

VF0802SBSD01

Tot Ion:	97	Resp:	31365
Ion	Ratio	Lower	Upper
97	100		
83	88.7	66.6	100.0
85	55.6	47.4	71.0
99	58.9	53.2	79.8

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#56

Ethyl methacrylate

Concen: 22.94 ug/l

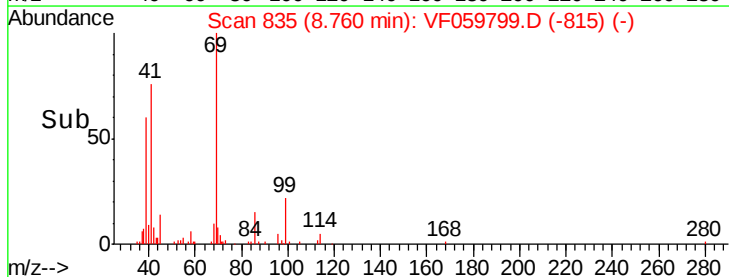
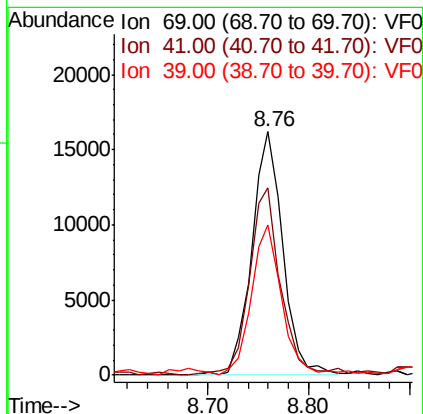
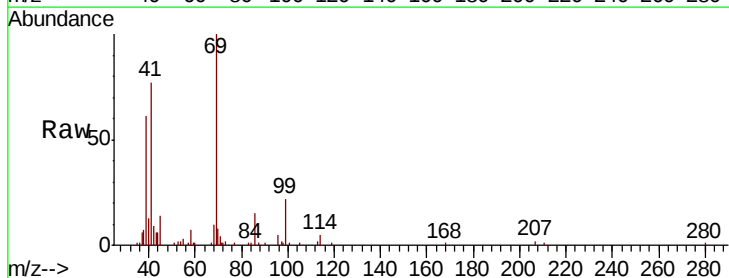
RT: 8.76 min Scan# 835

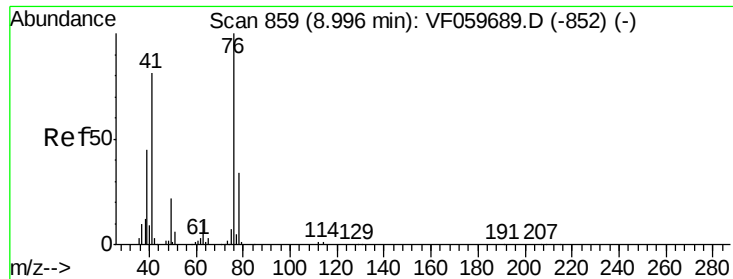
Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	69	Resp:	34545
Ion	Ratio	Lower	Upper
69	100		
41	76.8	62.3	93.5
39	61.5	52.4	78.6





#57

1,3-Dichloropropane

Concen: 23.62 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 76 Resp: 58519

Ion Ratio Lower Upper

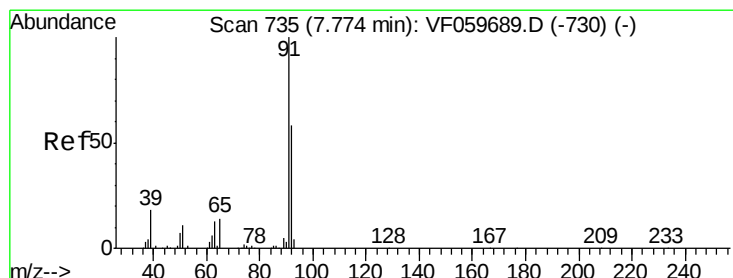
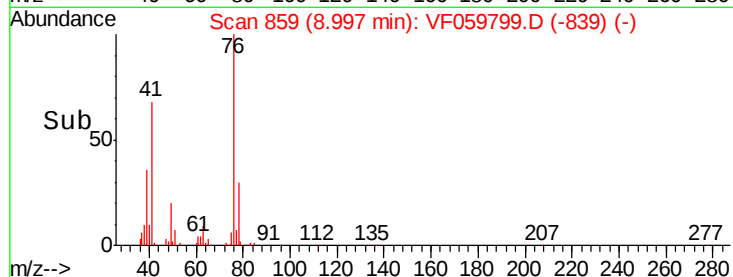
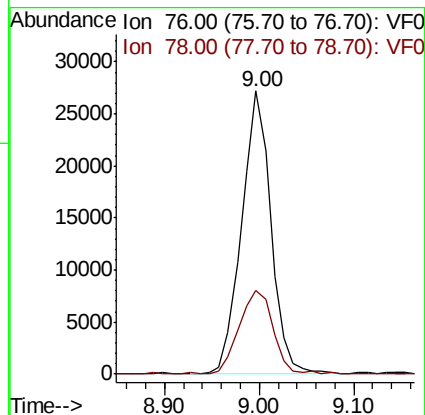
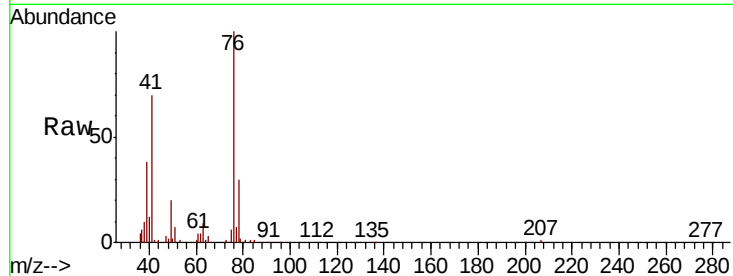
76 100

78 29.7 27.2 40.8

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#58

2-Chloroethyl Vinyl ether

Concen: 109.25 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059799.D

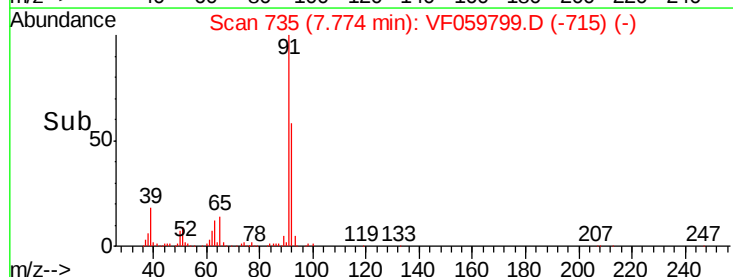
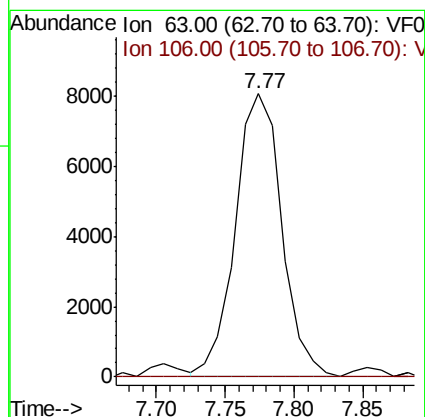
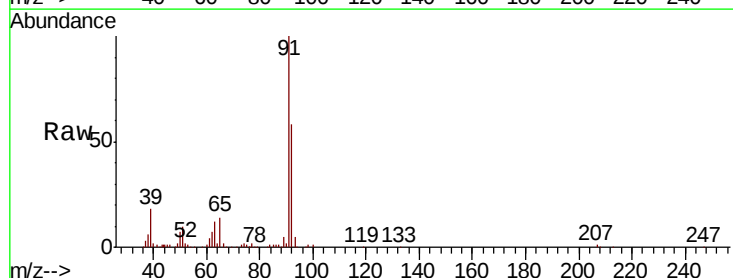
Acq: 2 Aug 2018 14:34

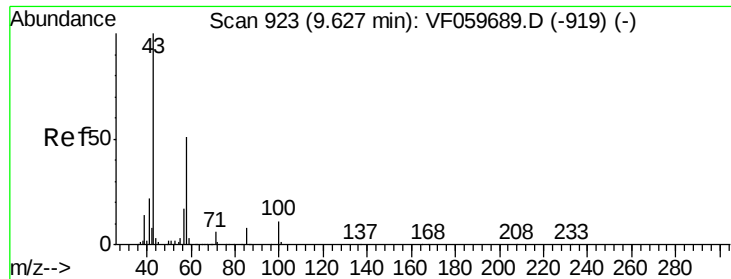
Tgt Ion: 63 Resp: 18996

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





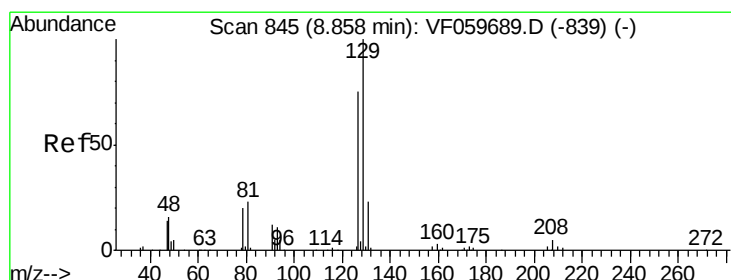
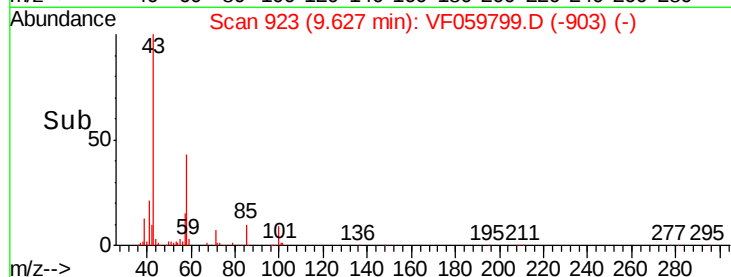
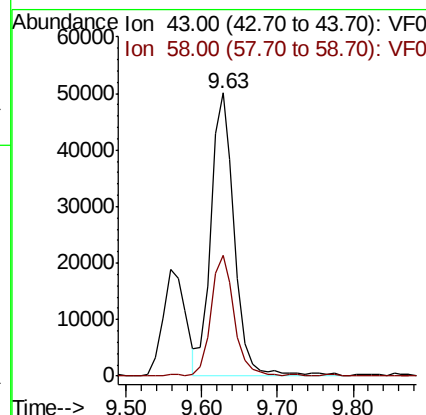
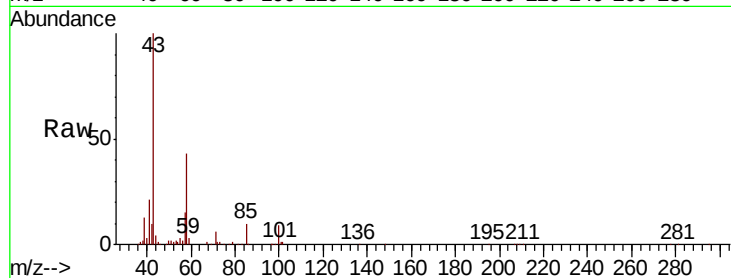
#59
2-Hexanone
Concen: 111.96 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.9	23.3	69.8

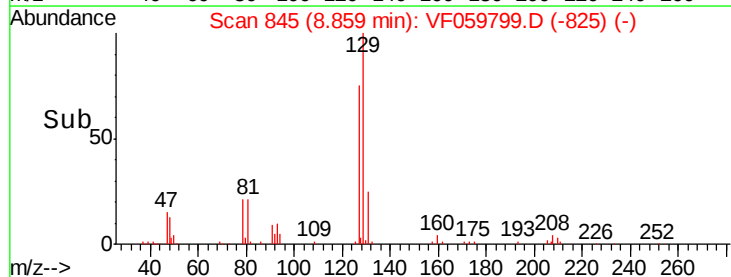
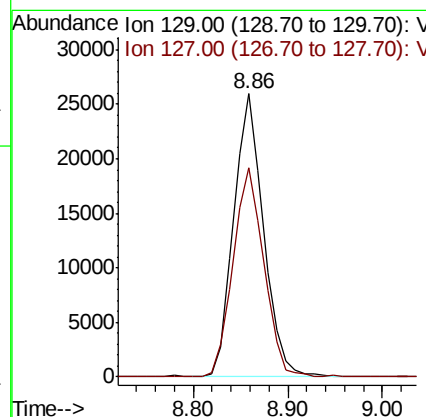
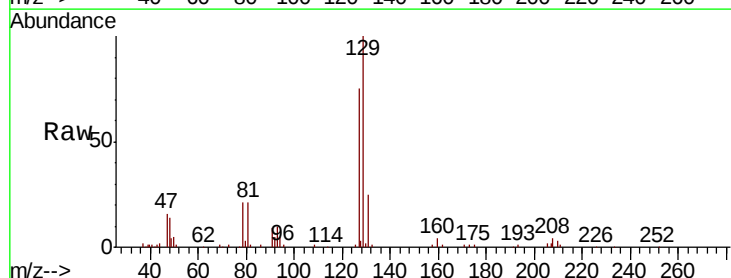
Manual Integrations
APPROVED

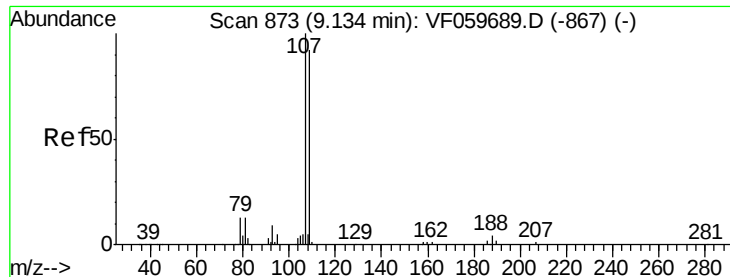
apatel
8/3/2018 2:39:04 PM



#60
Dibromochloromethane
Concen: 22.21 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.8	37.7	113.1





#61

1,2-Dibromoethane

Concen: 23.08 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 107 Resp: 38915

Ion Ratio Lower Upper

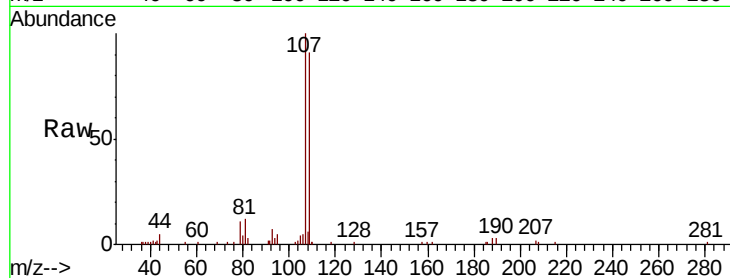
107 100

109 91.0 73.6 110.4

Manual Integrations
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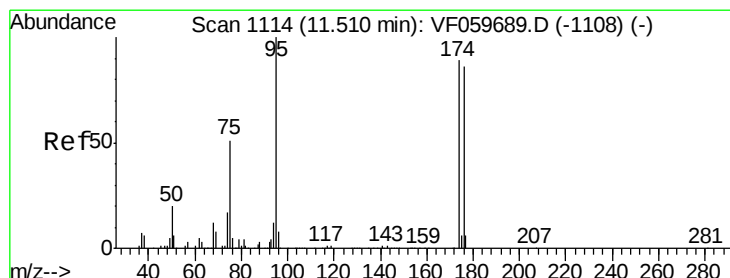
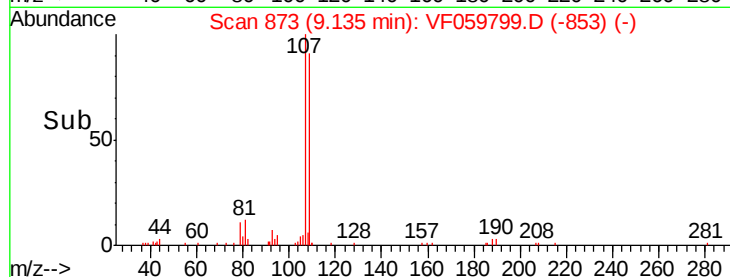
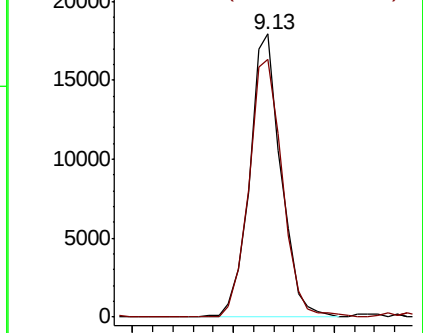
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.87 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

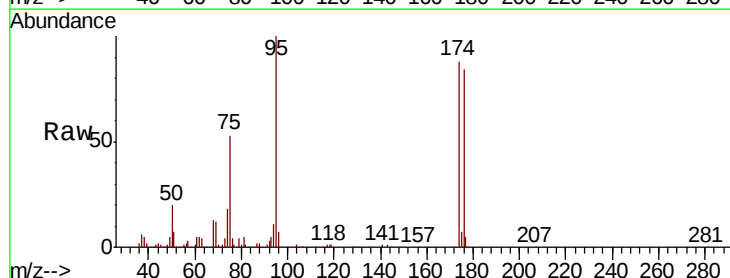
Tgt Ion: 95 Resp: 173020

Ion Ratio Lower Upper

95 100

174 88.4 0.0 178.4

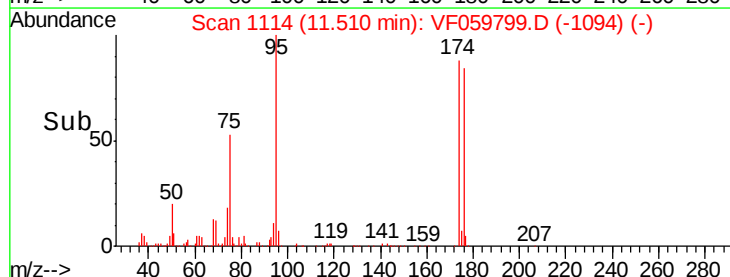
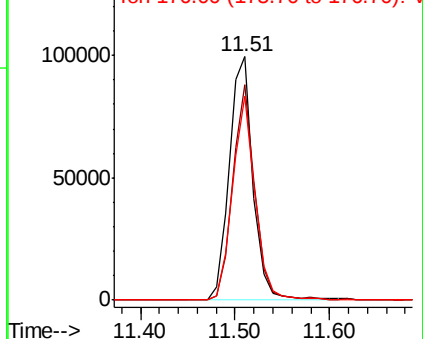
176 83.6 0.0 173.0

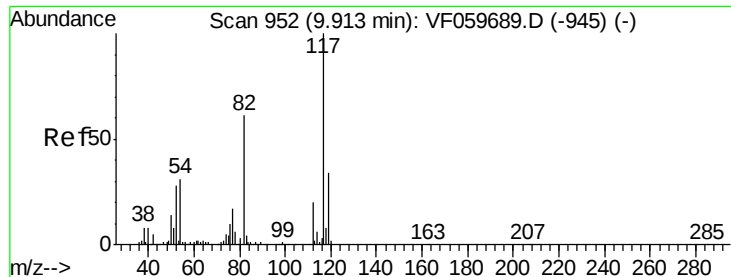


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





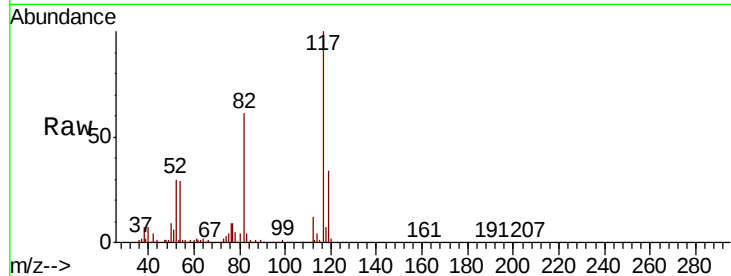
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	249935		
82	61.3		49.0	73.4
119	33.8		27.3	40.9

Manual Integrations
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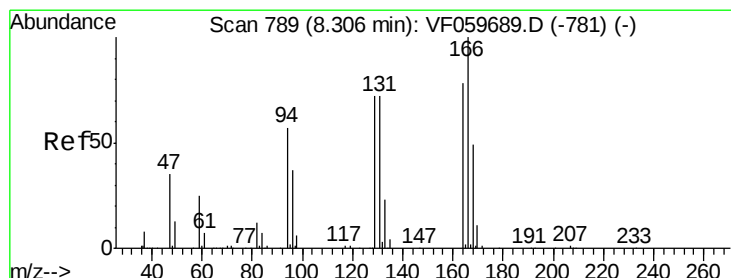
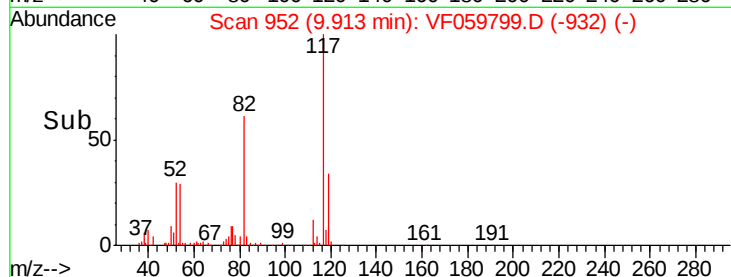
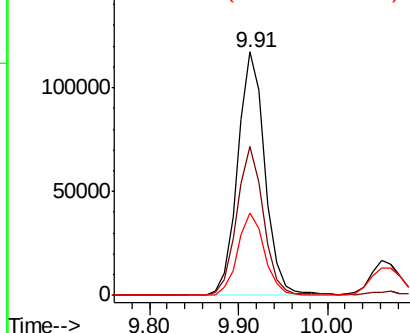


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 27.55 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49830		
166	119.8		102.1	153.1
129	86.9		73.8	110.6
131	85.2		73.1	109.7

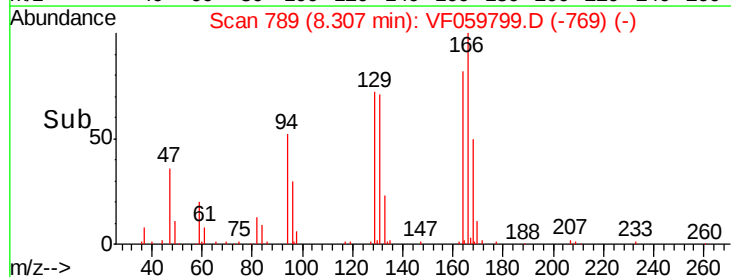
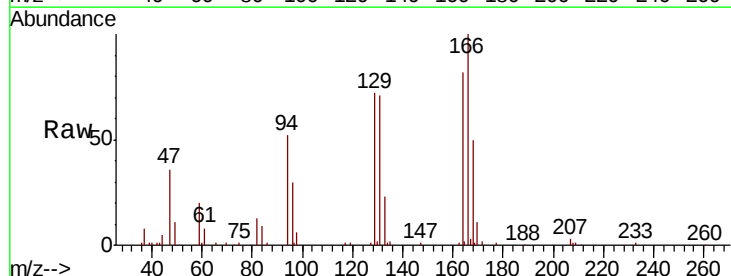
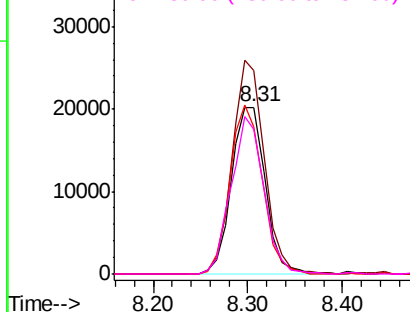
Abundance

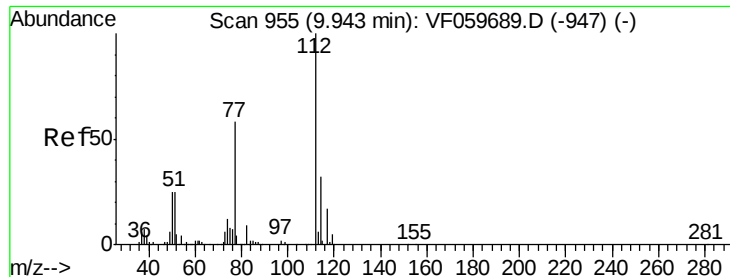
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





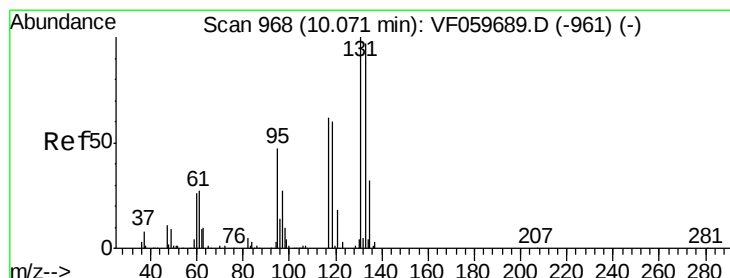
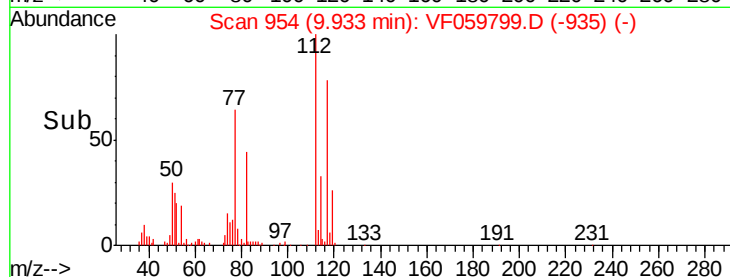
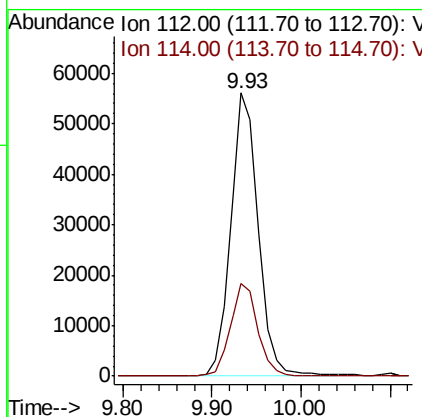
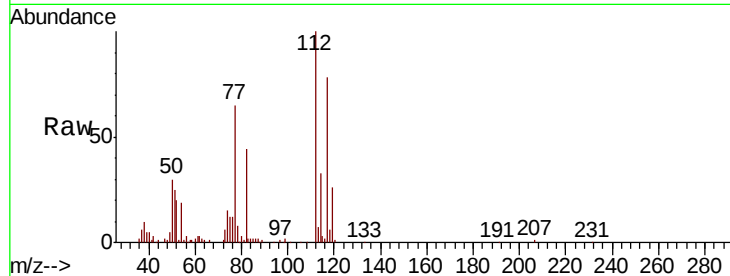
#65
Chlorobenzene
Concen: 24.28 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.6	38.4

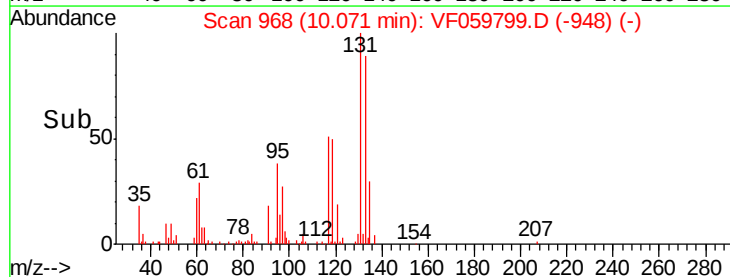
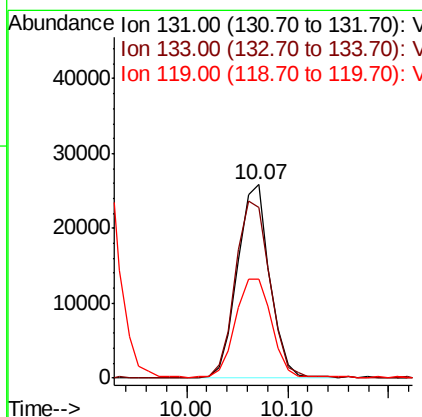
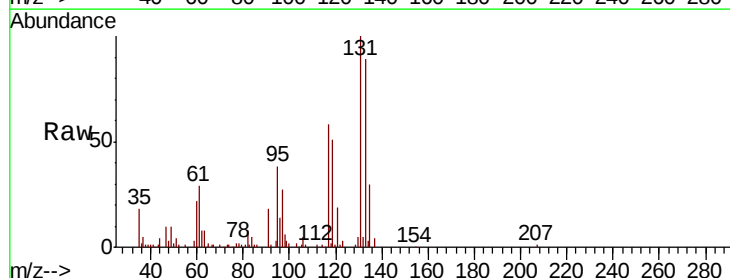
Manual Integrations
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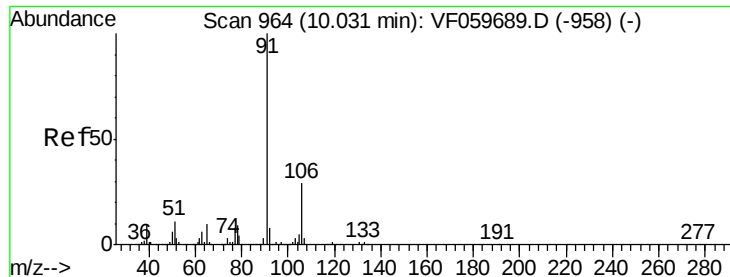
apatel
8/3/2018 2:39:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.80 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	88.6	48.5	145.5
119	51.3	30.3	90.8





#67

Ethyl Benzene

Concen: 24.85 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 91 Resp: 214925

Ion Ratio Lower Upper

91 100

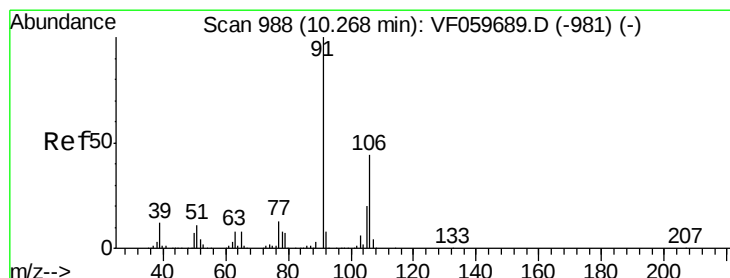
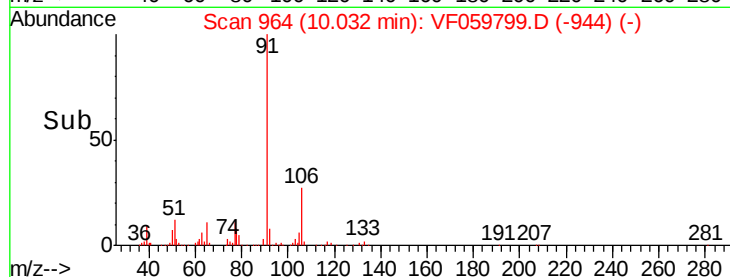
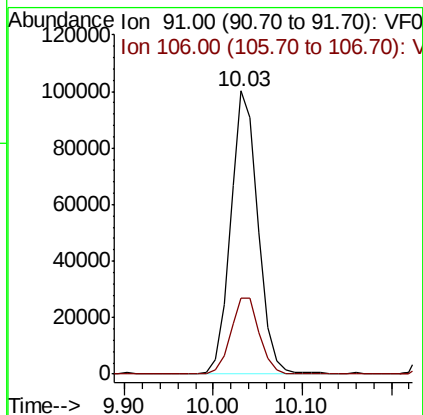
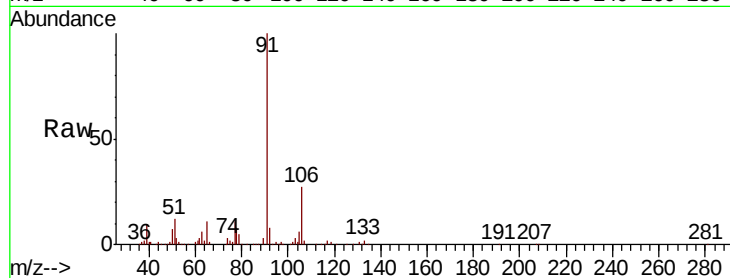
106 26.9 22.9 34.3

Manual Integrations

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apatel

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#68

m/p-Xylenes

Concen: 51.98 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059799.D

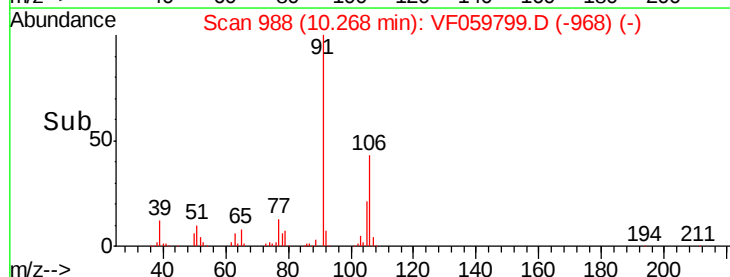
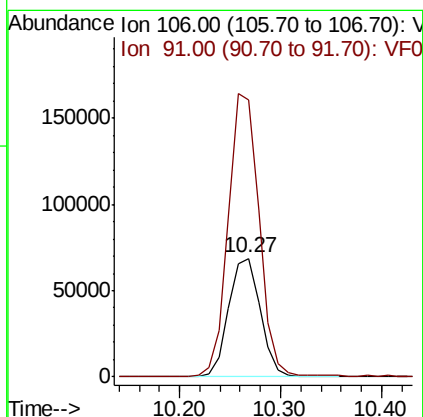
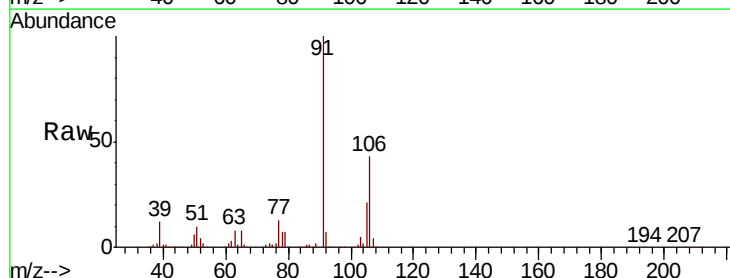
Acq: 2 Aug 2018 14:34

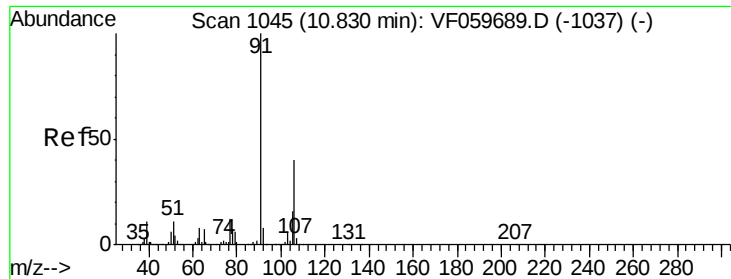
Tgt Ion:106 Resp: 150703

Ion Ratio Lower Upper

106 100

91 234.0 181.7 272.5





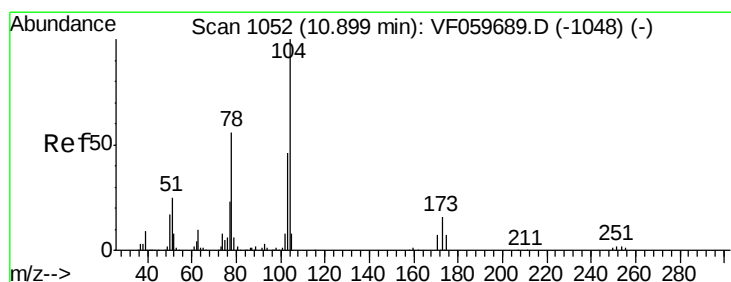
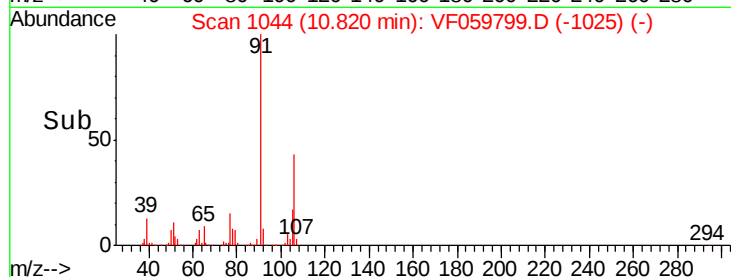
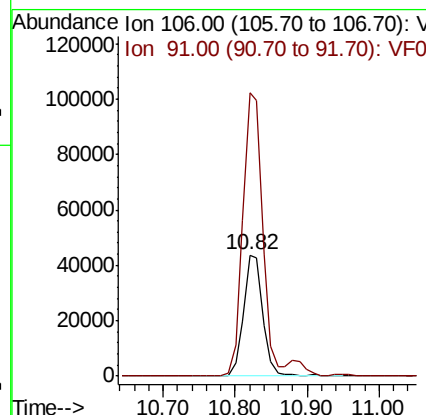
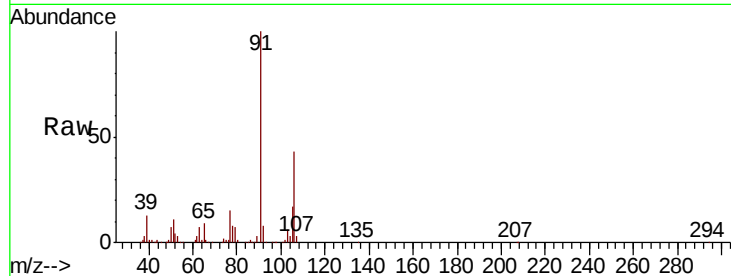
#69
o-Xylene
Concen: 25.86 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion:106 Resp: 82426
Ion Ratio Lower Upper
106 100
91 233.3 124.6 373.7

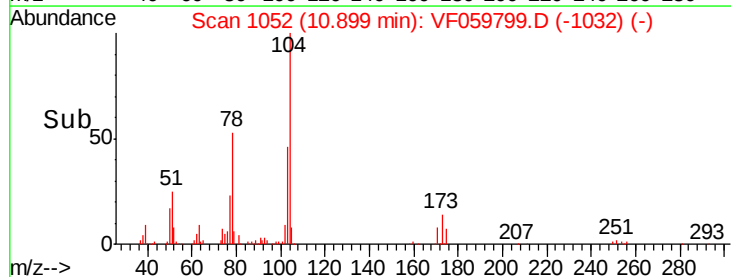
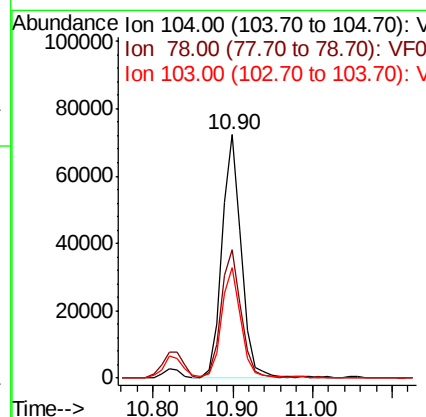
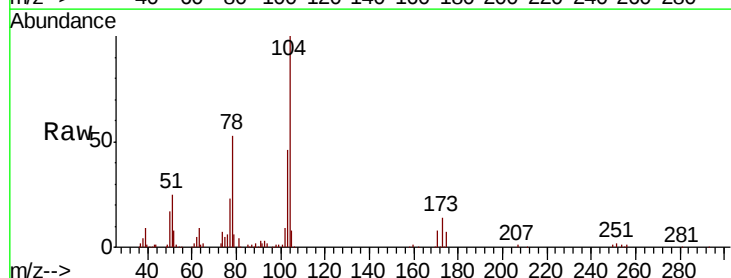
Manual Integrations
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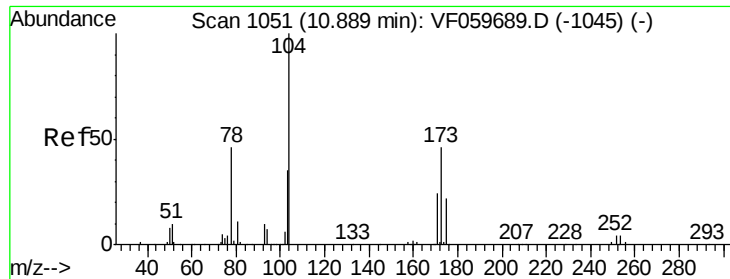
apatel
8/3/2018 2:39:04 PM



#70
Styrene
Concen: 25.84 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Tgt Ion:104 Resp: 124760
Ion Ratio Lower Upper
104 100
78 52.7 45.3 67.9
103 45.5 36.6 54.8





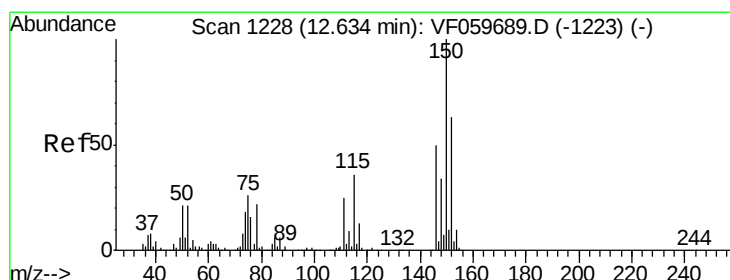
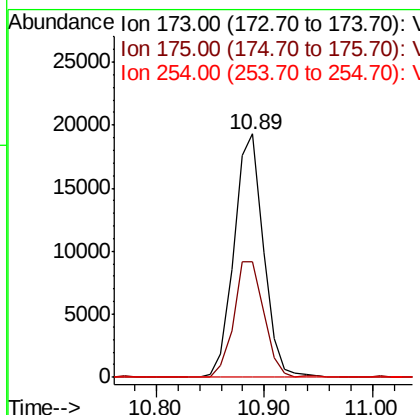
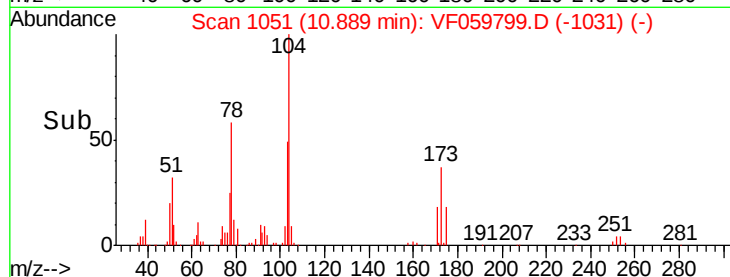
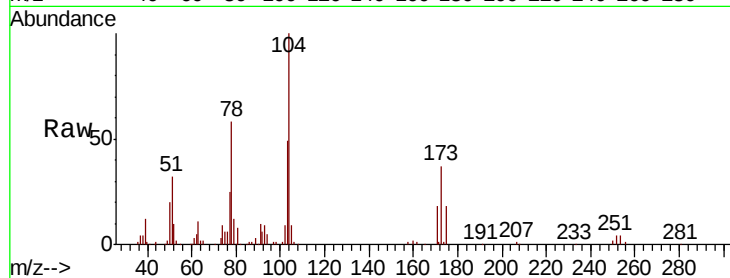
#71
Bromoform
Concen: 24.02 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.4	70.0
254	0.0	0.0	0.0

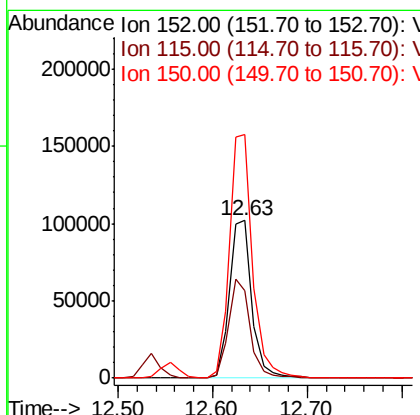
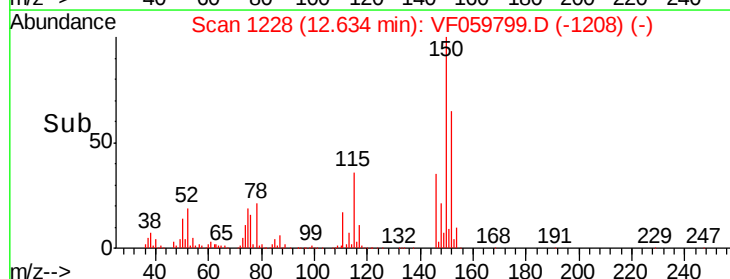
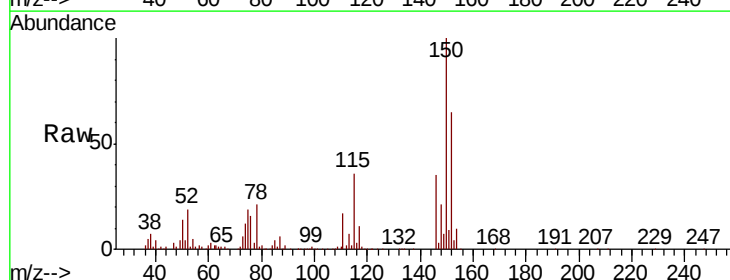
Manual Integrations
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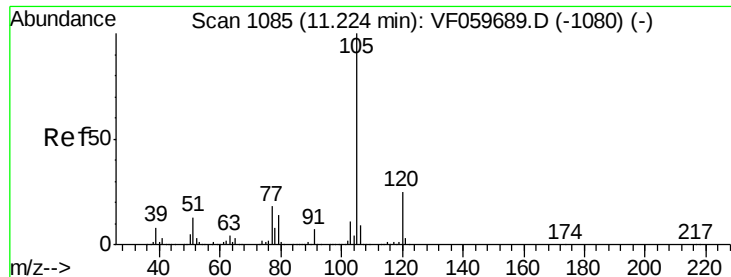
apatel
8/3/2018 2:39:04 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.2	84.6
150	154.4	0.0	316.2





#73

Isopropylbenzene

Concen: 24.55 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion:105 Resp: 269757

Ion Ratio Lower Upper

105 100

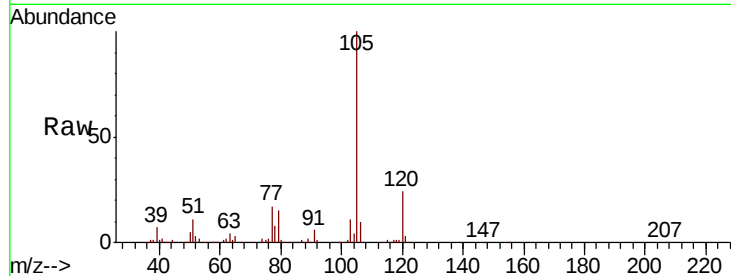
120 24.0 12.4 37.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

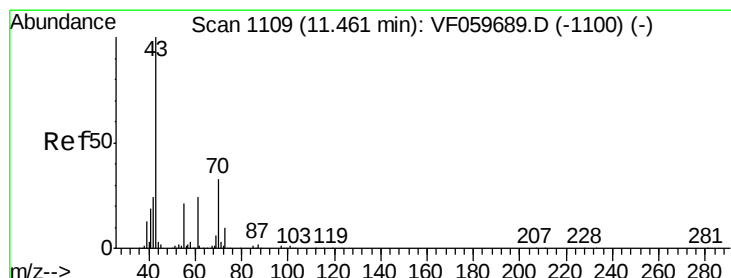
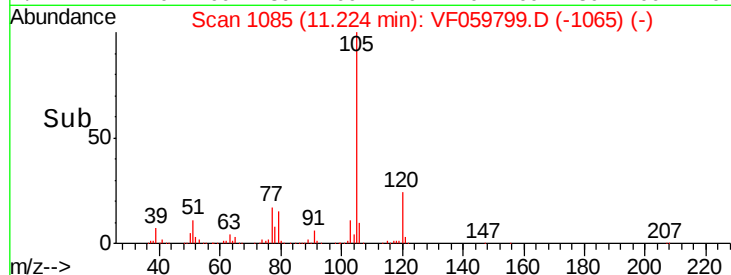
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 21.53 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion: 43 Resp: 59683

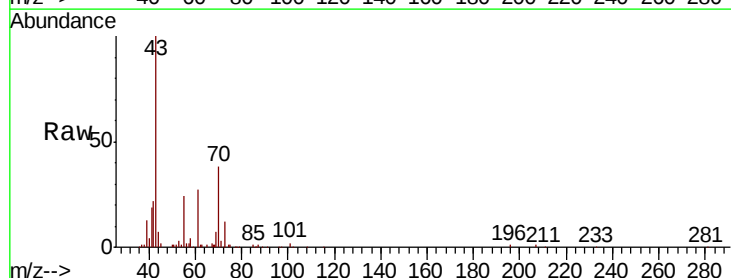
Ion Ratio Lower Upper

43 100

70 38.3 26.3 39.5

55 24.4 16.6 25.0

61 26.8 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

50000

40000

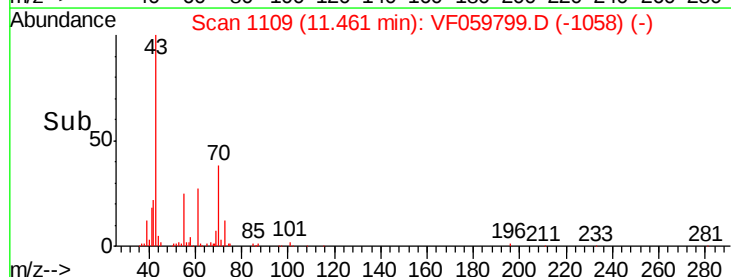
30000

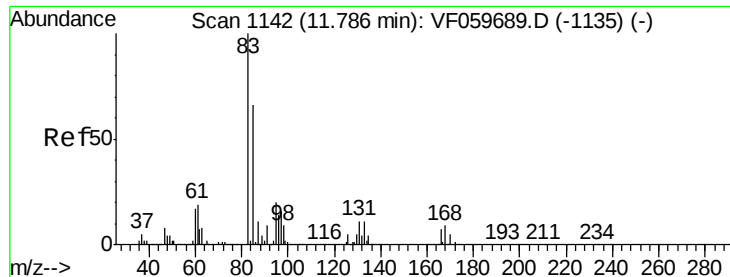
20000

10000

0

Time--> 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 23.26 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

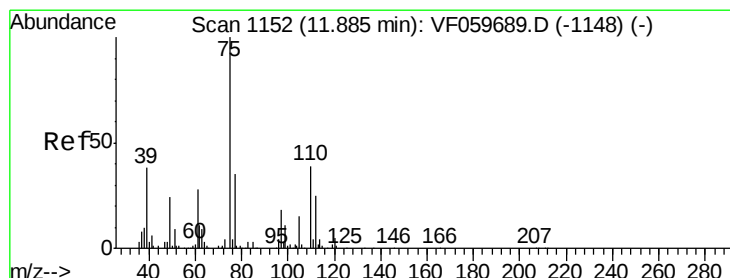
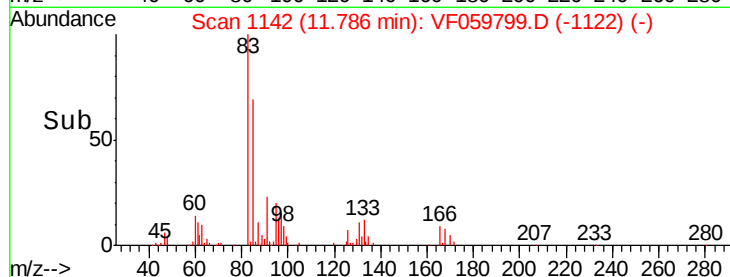
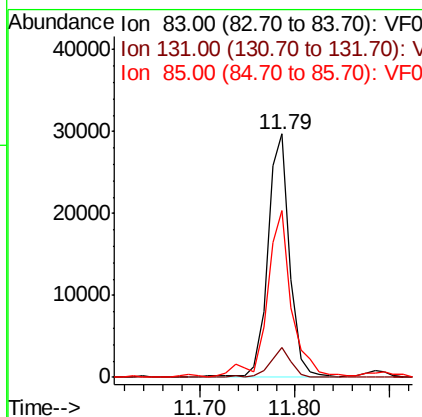
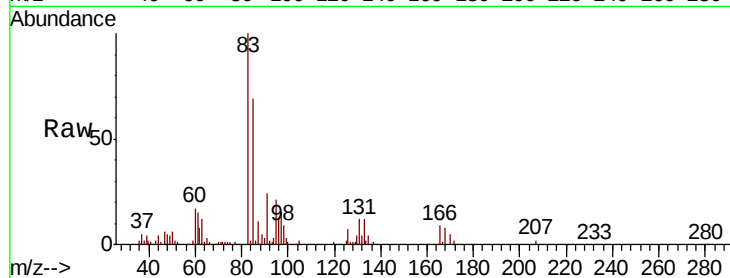
ClientSampleId :

VF0802SBSD01

Tot Ion:	83	Resp:	48095
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.8	17.3
85	67.3	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 22.87 ug/l

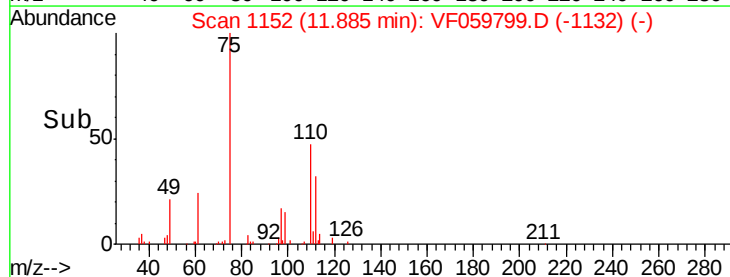
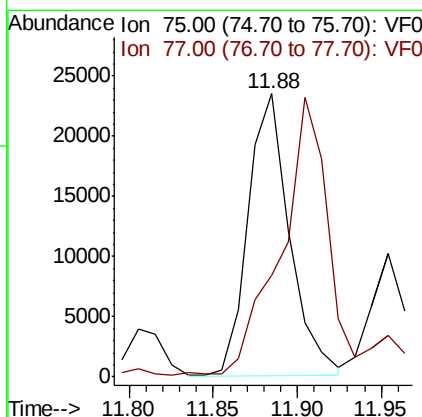
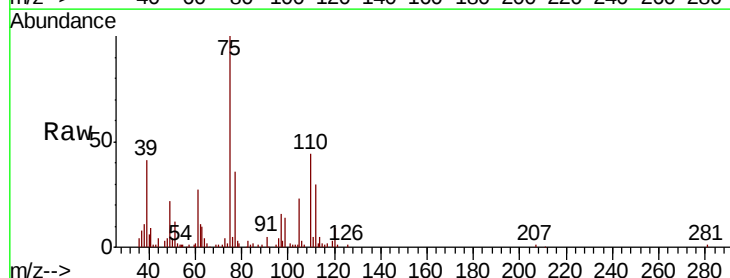
RT: 11.88 min Scan# 1152

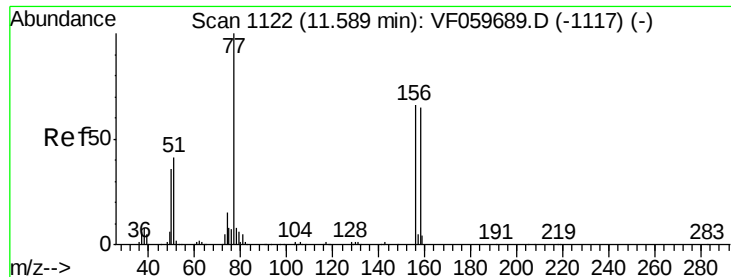
Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	75	Resp:	40221
Ion Ratio	Lower	Upper	
75	100		
77	36.1	18.0	54.0





#77

Bromobenzene

Concen: 23.06 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

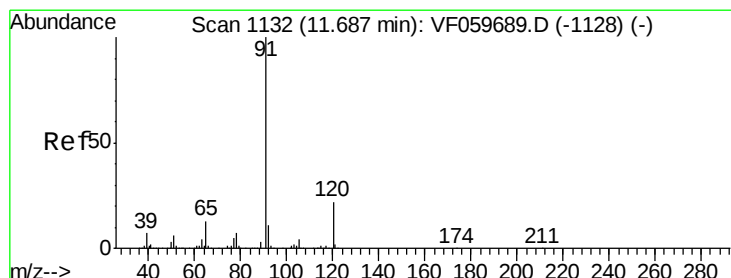
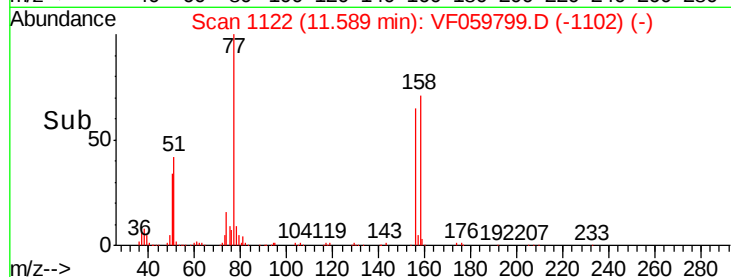
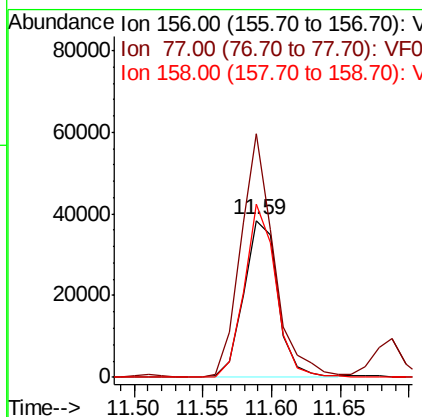
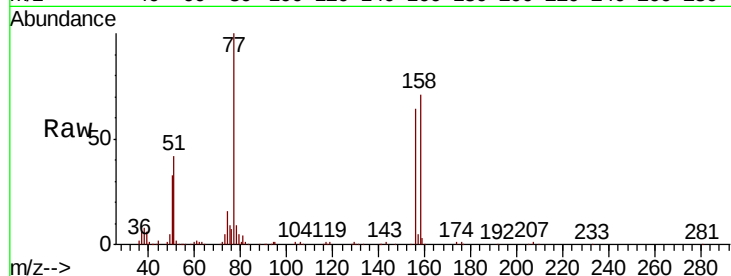
ClientSampleId :

VF0802SBSD01

Tot Ion:	156	Resp:	66164
Ion Ratio	Lower	Upper	
156	100		
77	155.3	75.2	225.6
158	110.2	49.1	147.3

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#78

n-propylbenzene

Concen: 23.96 ug/l

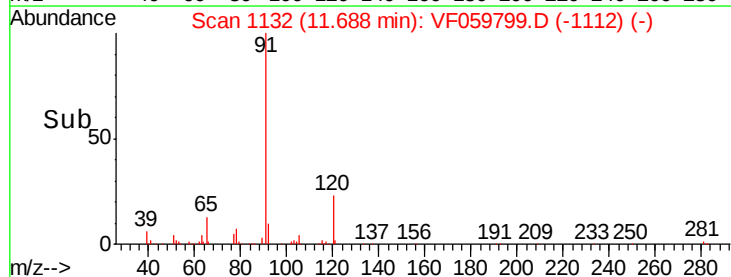
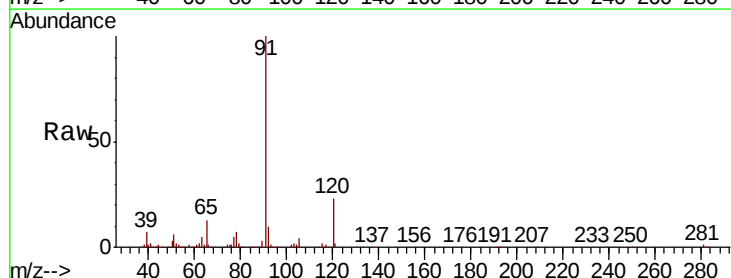
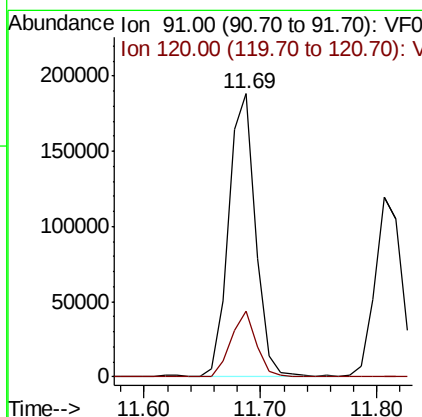
RT: 11.69 min Scan# 1132

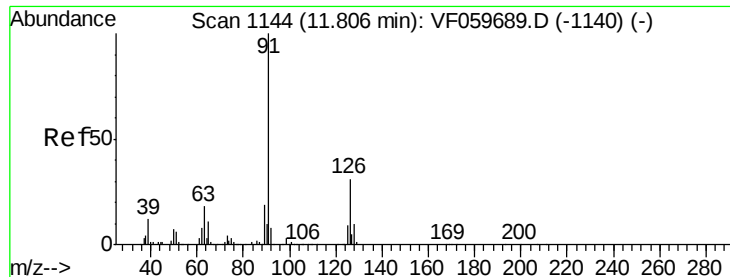
Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	91	Resp:	299167
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.0	33.0





#79

2-Chlorotoluene

Concen: 24.32 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 91 Resp: 188369

Ion Ratio Lower Upper

91 100

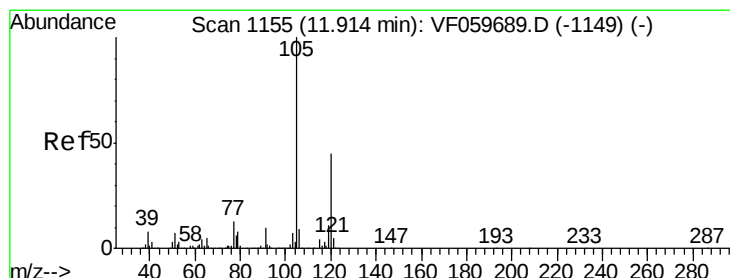
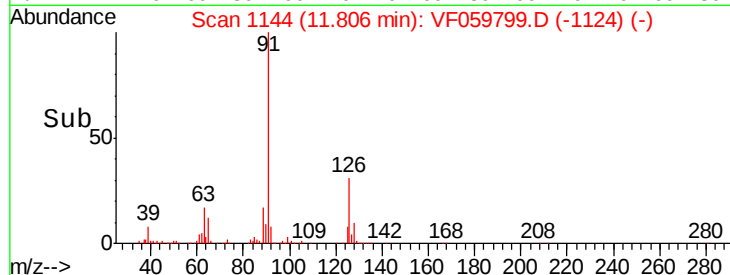
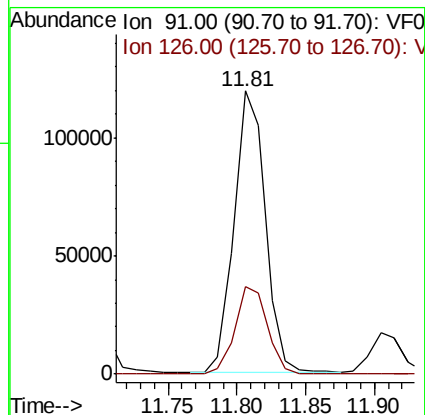
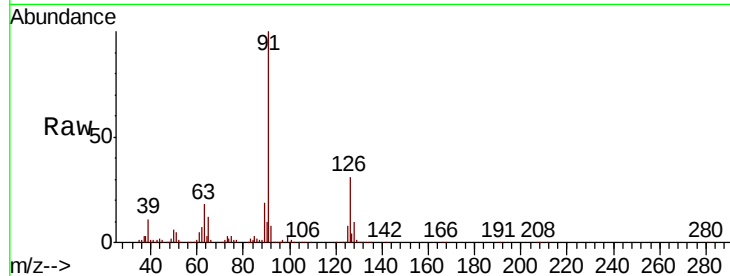
126 31.0 15.4 46.2

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#80

1,3,5-Trimethylbenzene

Concen: 24.53 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059799.D

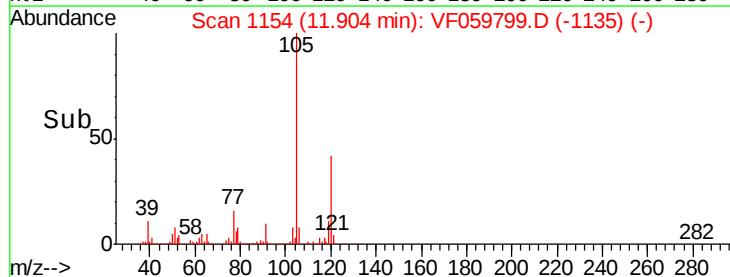
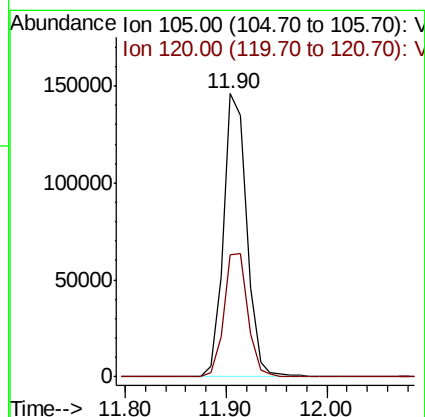
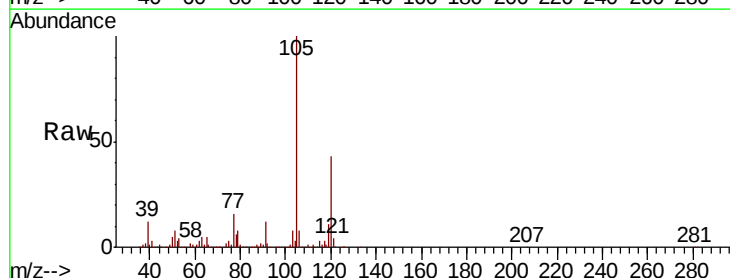
Acq: 2 Aug 2018 14:34

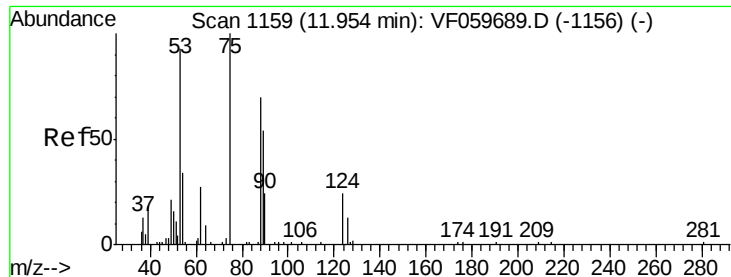
Tgt Ion:105 Resp: 235336

Ion Ratio Lower Upper

105 100

120 43.1 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 29.86 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

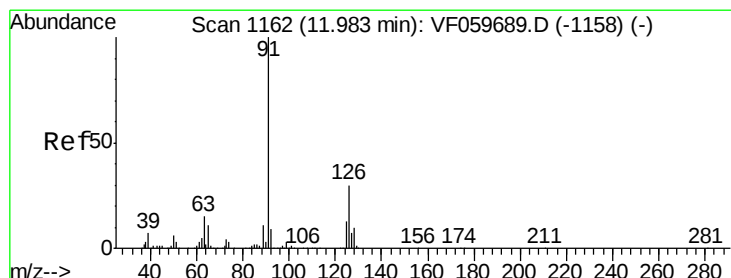
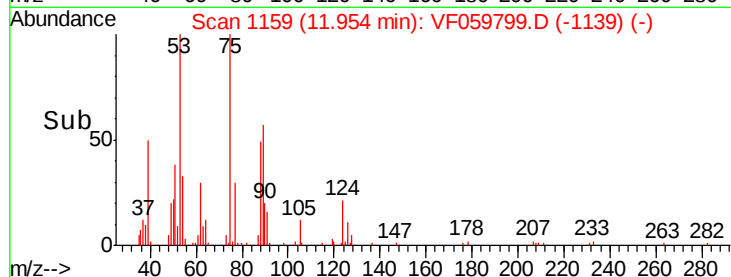
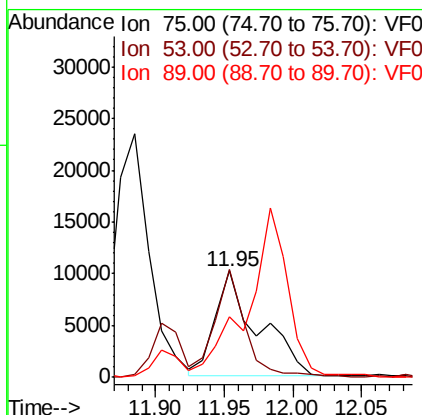
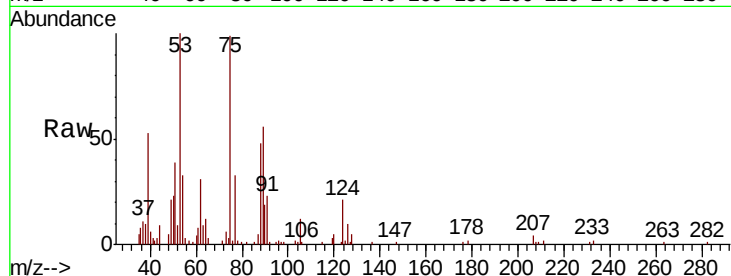
ClientSampleId :

VF0802SBSD01

Tot Ion:	75	Resp:	21747
Ion	Ratio	Lower	Upper
75	100		
53	101.4	78.3	117.5
89	56.8	45.4	68.2

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#82

4-Chlorotoluene

Concen: 24.51 ug/l

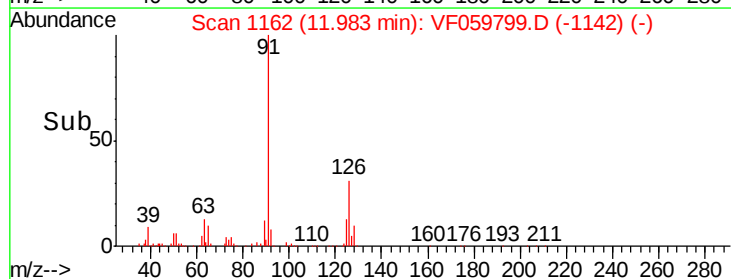
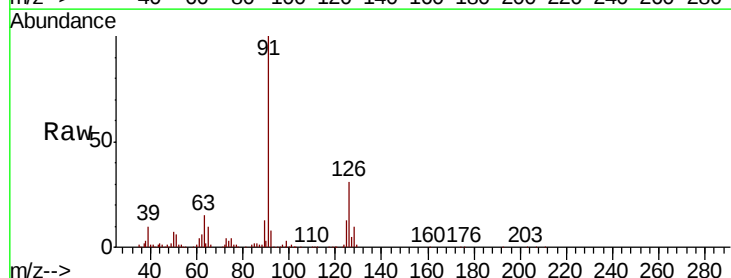
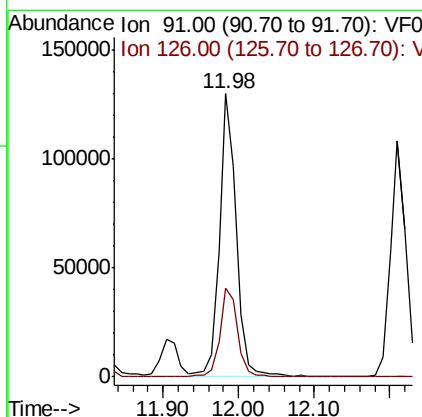
RT: 11.98 min Scan# 1162

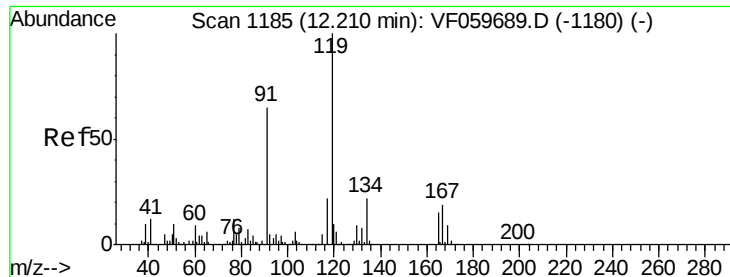
Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	91	Resp:	201020
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.2	45.6





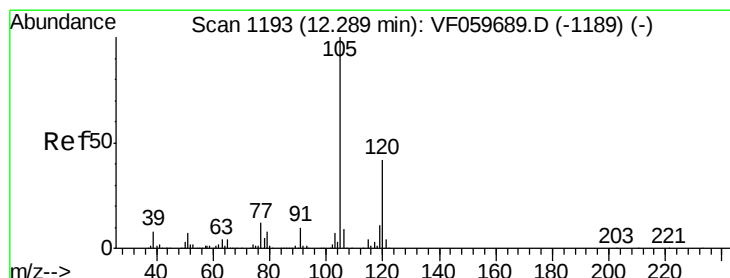
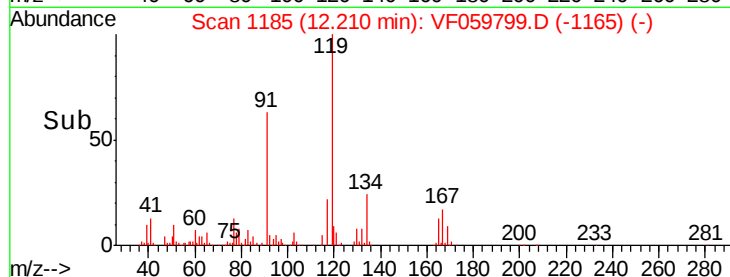
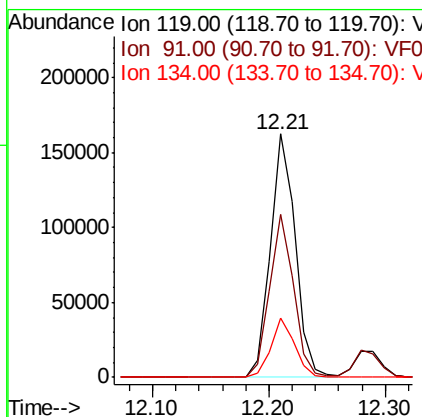
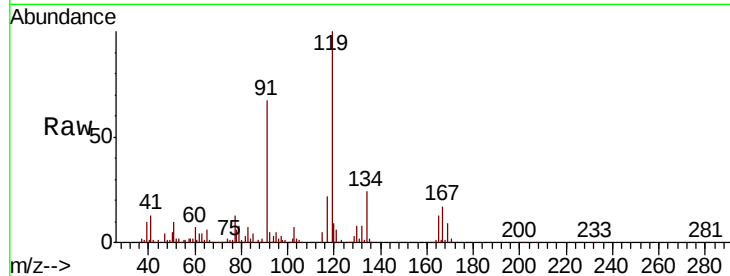
#83
 tert-Butylbenzene
 Concen: 24.43 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	32.8	98.4
134	24.1	10.9	32.7

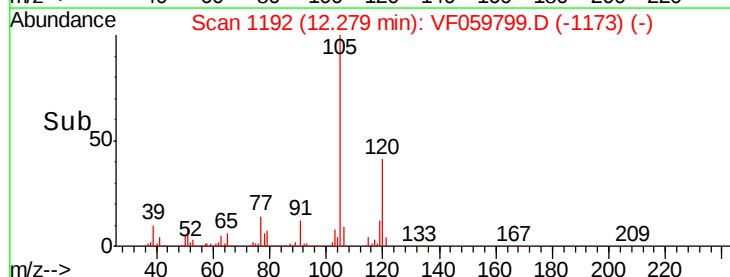
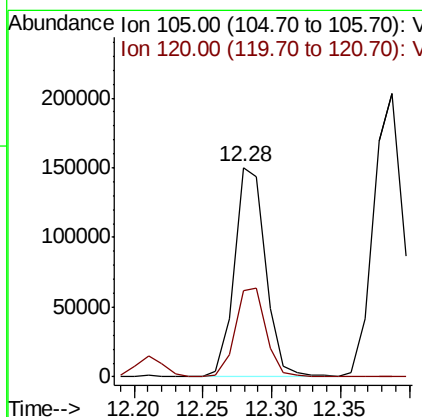
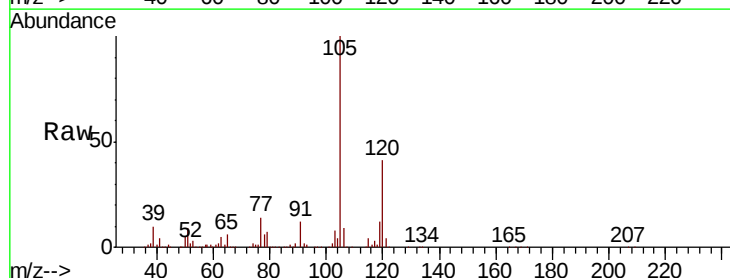
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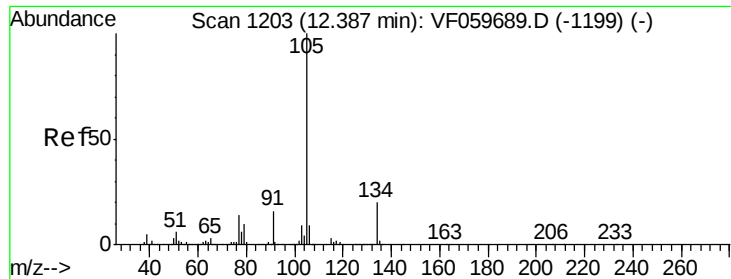
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#84
 1,2,4-Trimethylbenzene
 Concen: 24.42 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.1	21.1	63.3





#85

sec-Butylbenzene

Concen: 24.81 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion:105 Resp: 308850

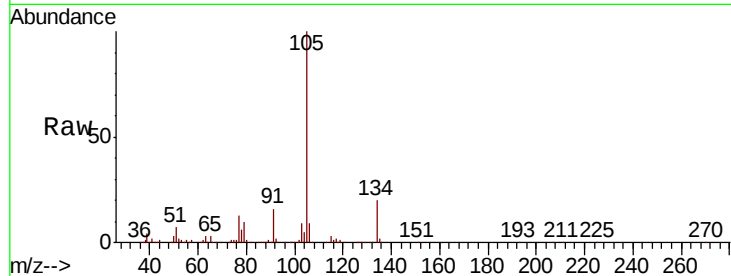
Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.3

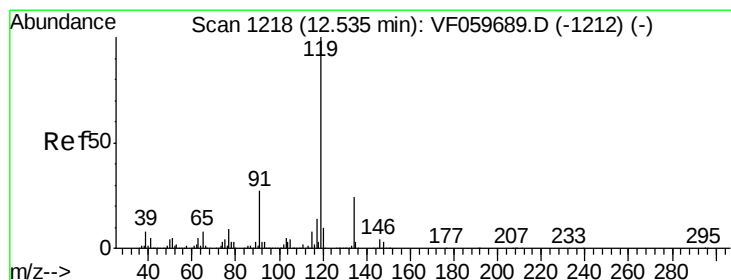
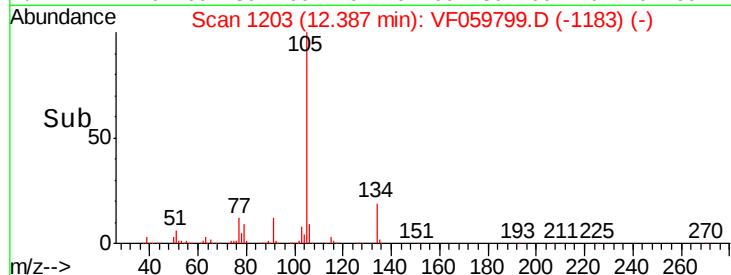
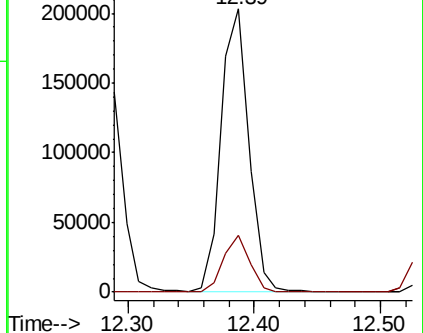
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.67 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

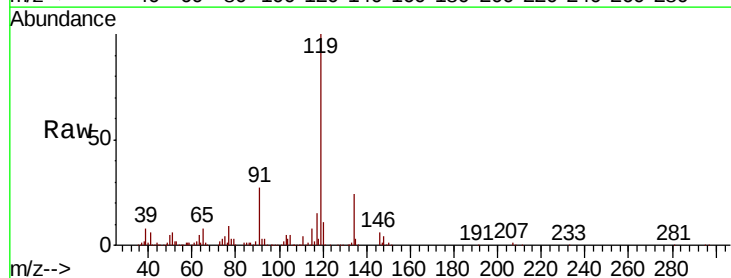
Tgt Ion:119 Resp: 260414

Ion Ratio Lower Upper

119 100

134 24.4 12.2 36.6

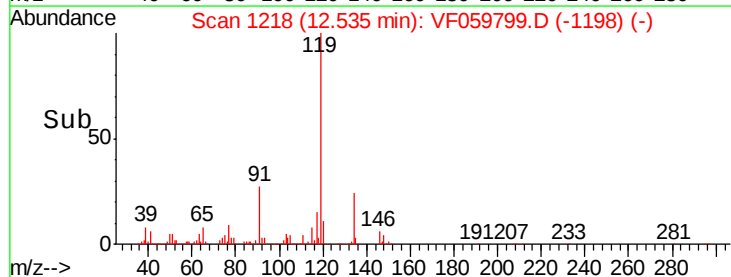
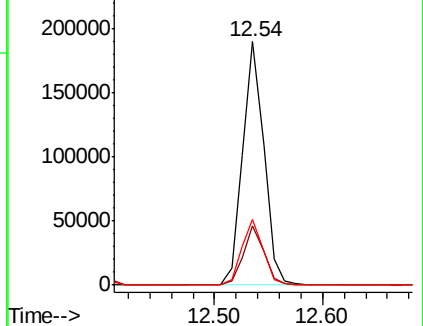
91 27.2 13.4 40.2

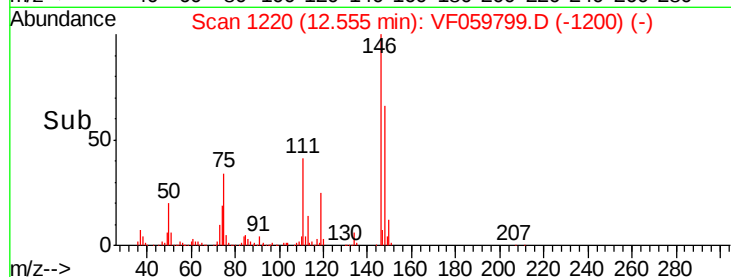
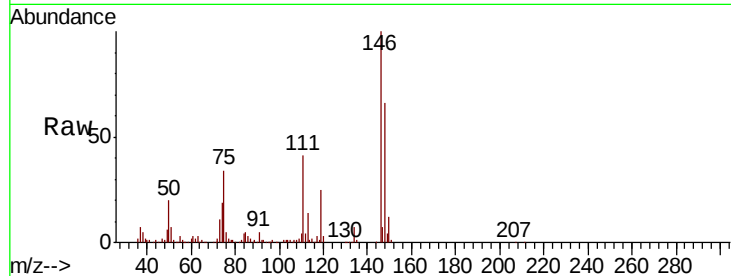
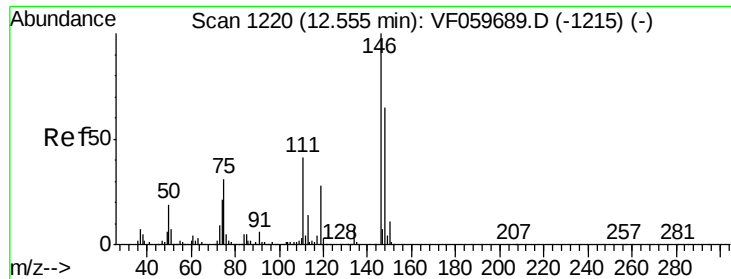


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





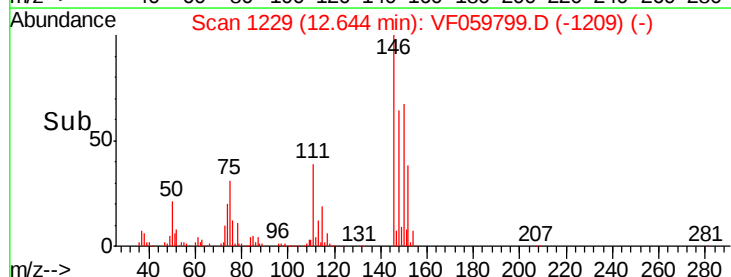
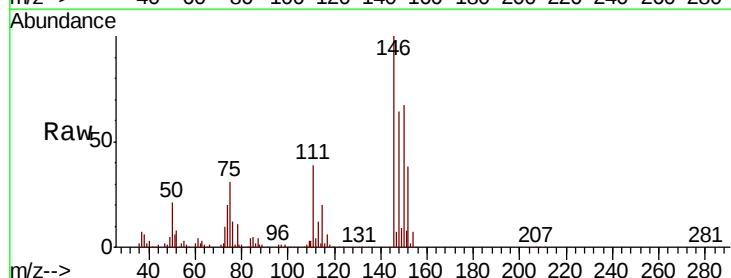
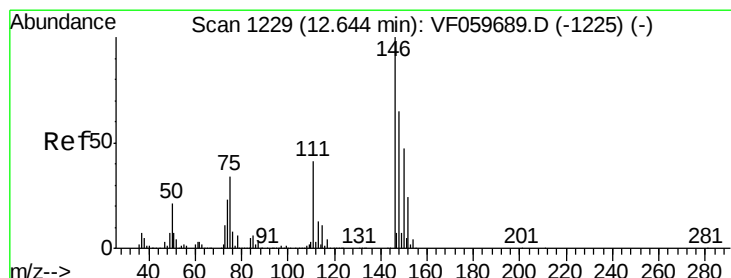
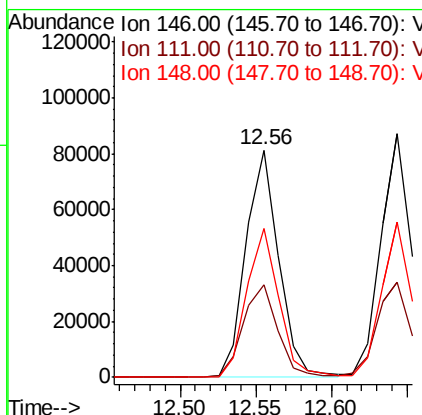
#87
 1,3-Dichlorobenzene
 Concen: 23.28 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123698		
111	40.6	20.7	62.1	
148	65.7	32.3	96.8	

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

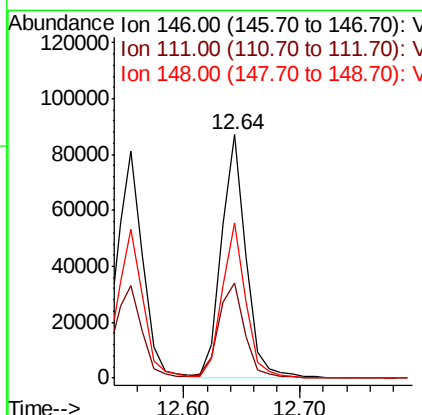
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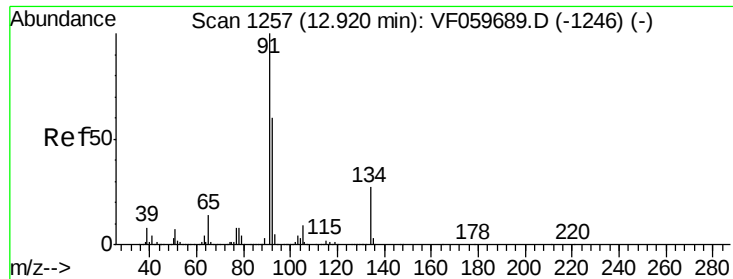
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#88
 1,4-Dichlorobenzene
 Concen: 24.70 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126964		
111	38.8	20.8	62.2	
148	63.8	32.3	96.9	





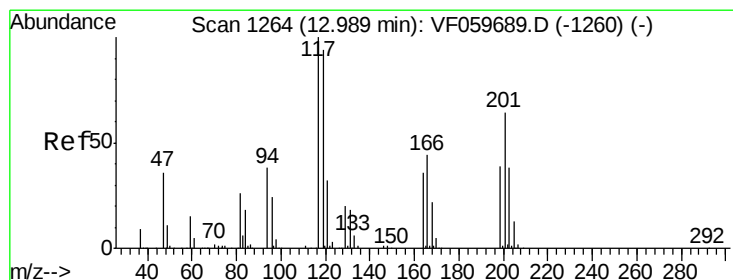
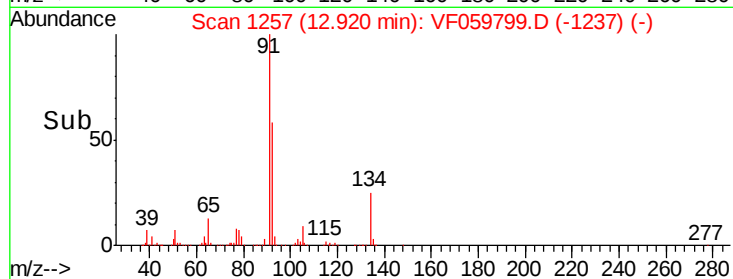
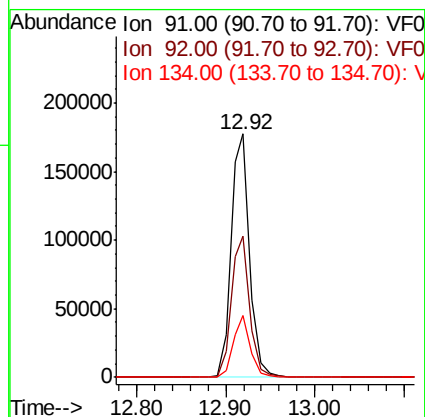
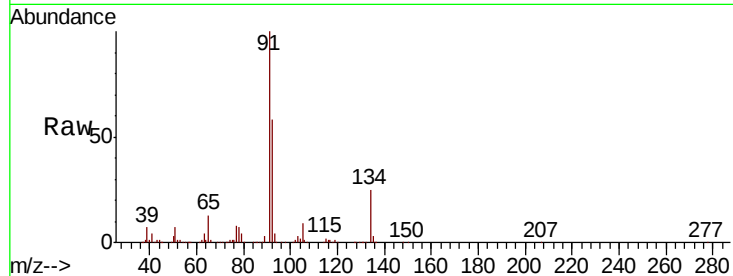
#89
n-Butylbenzene
Concen: 25.17 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	260160		
92	58.0	30.1	90.3	
134	25.4	13.7	41.0	

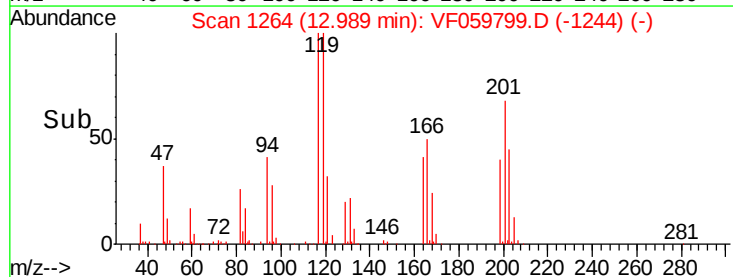
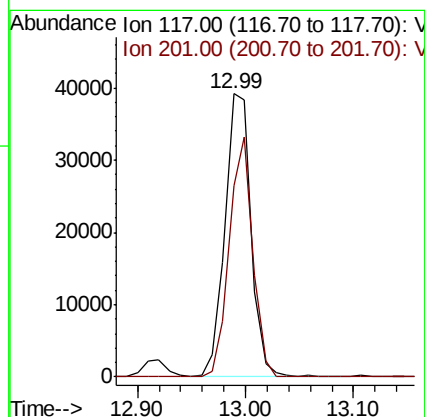
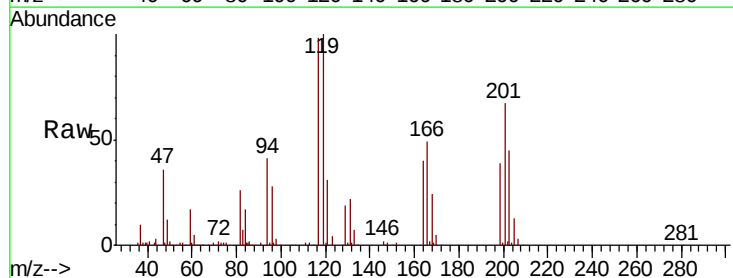
Manual Integrations
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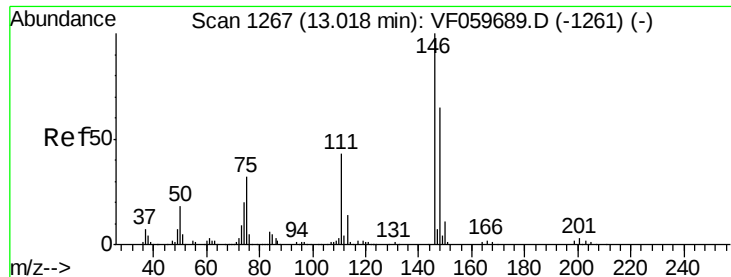
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#90
Hexachloroethane
Concen: 23.71 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059799.D
Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	65714		
201	67.8	31.9	95.5	





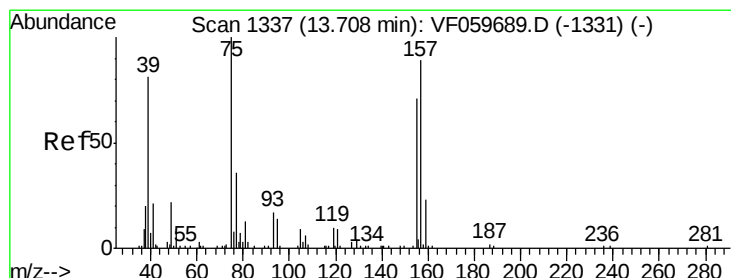
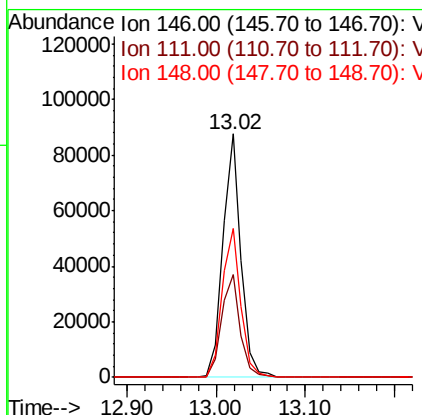
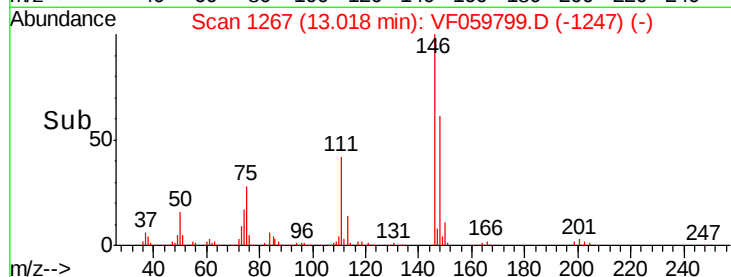
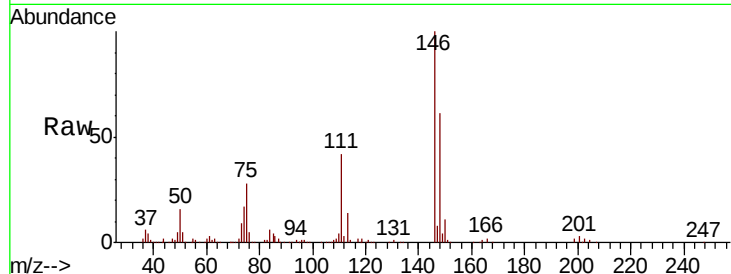
#91
 1,2-Dichlorobenzene
 Concen: 25.21 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	65.0
148	61.1	32.3	96.9

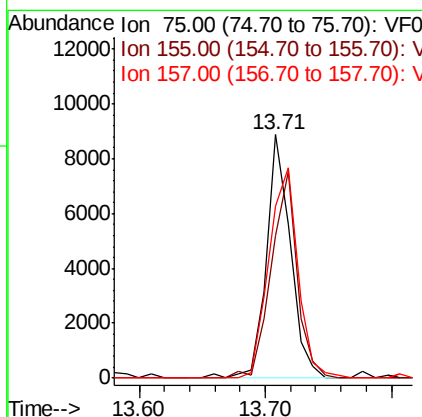
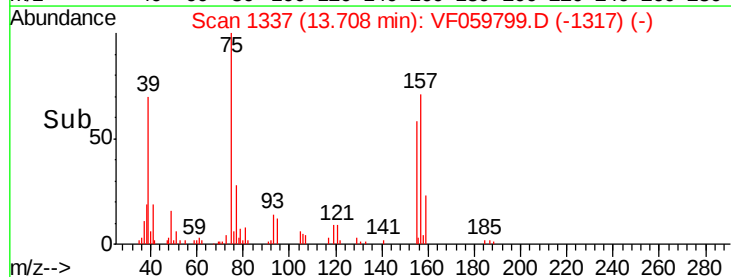
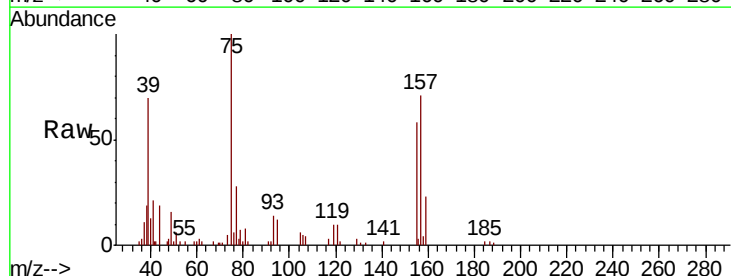
Manual Integrations
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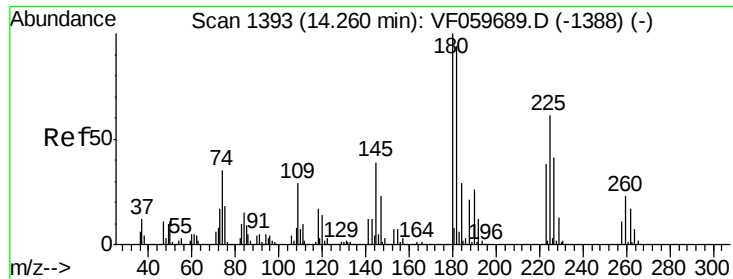
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.34 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	58.3	35.4	106.2
157	70.8	44.4	133.2





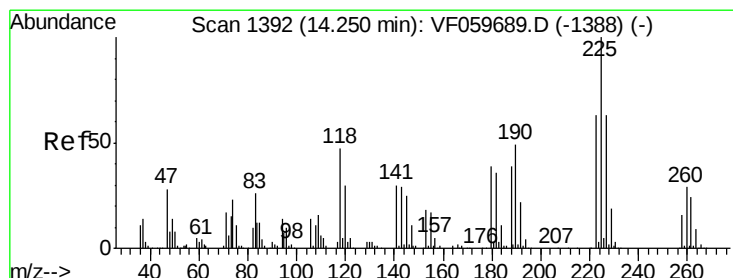
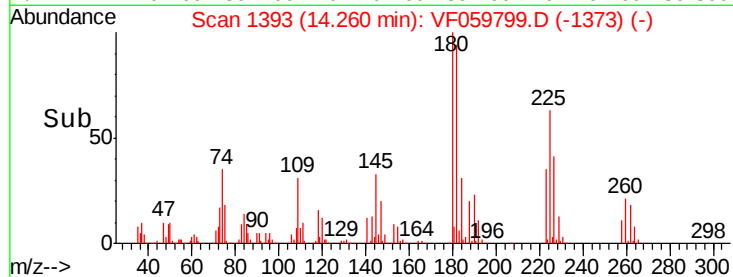
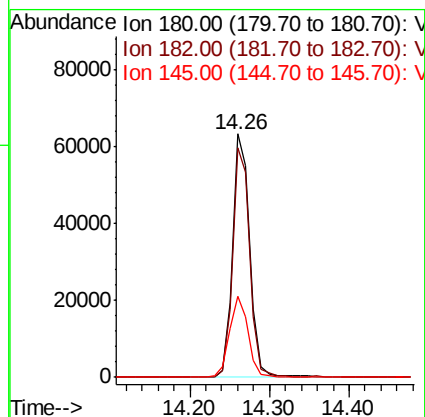
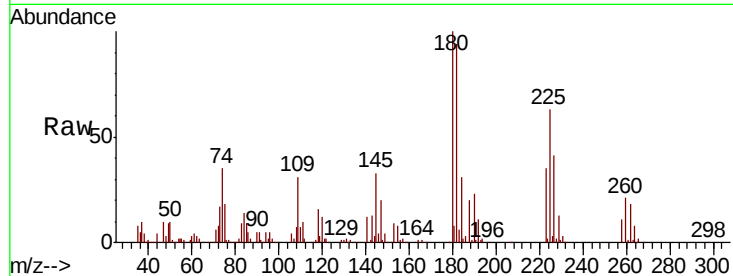
#93
 1,2,4-Trichlorobenzene
 Concen: 23.96 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.2	141.6
145	33.3	19.3	57.9

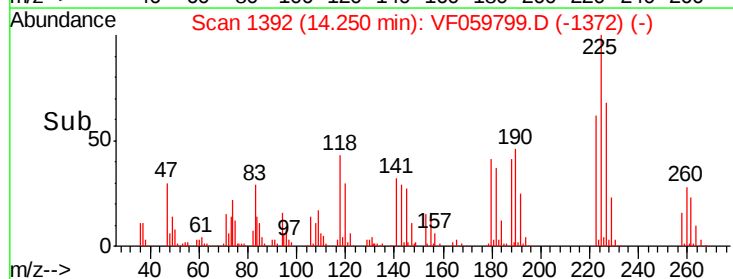
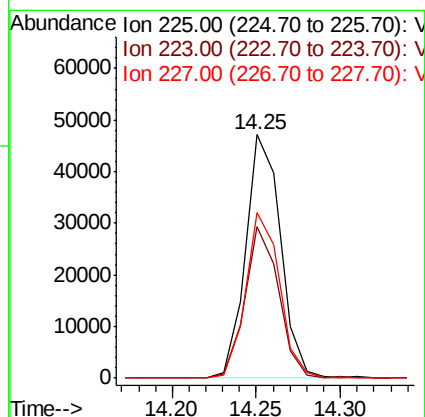
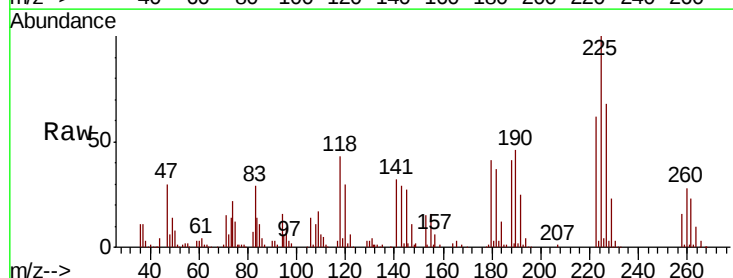
Manual Integrations
 APPROVED

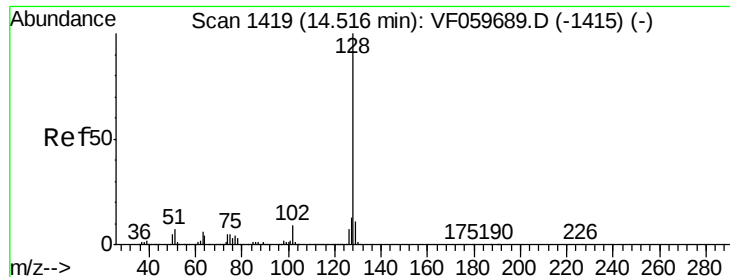
apatel
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#94
 Hexachlorobutadiene
 Concen: 24.68 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059799.D
 Acq: 2 Aug 2018 14:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.4	94.2
227	67.8	31.5	94.5





#95

Naphthalene

Concen: 23.32 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Instrument :

MSVOA_F

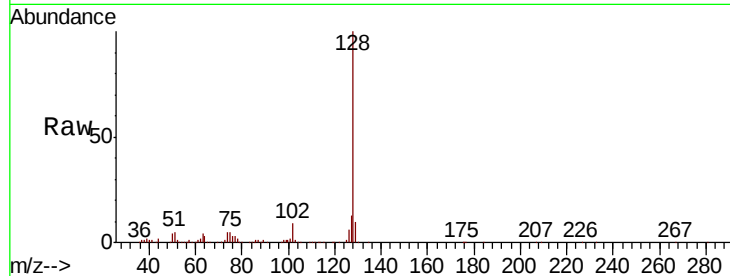
ClientSampleId :

VF0802SBSD01

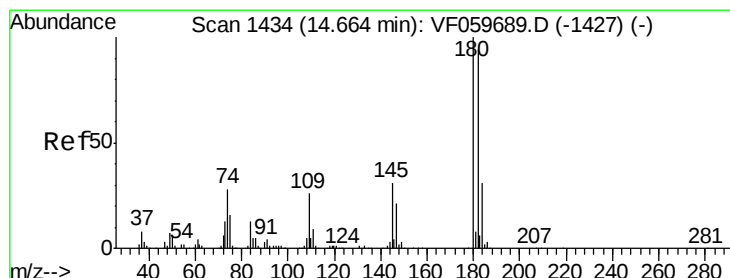
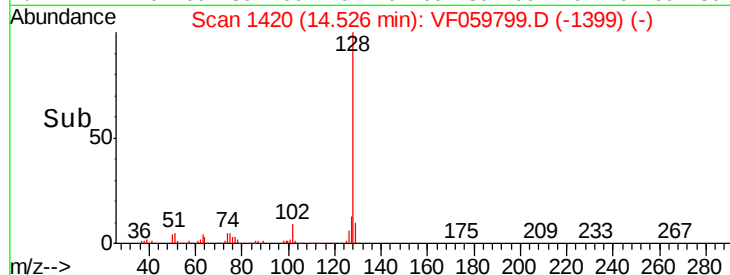
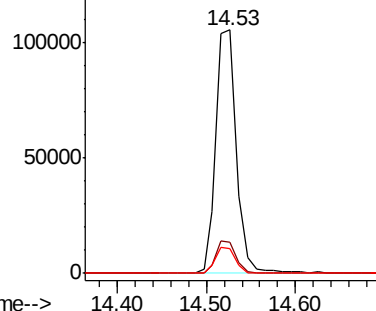
Tot Ion:	128	Resp:	168327
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.0	15.0
129	10.4	8.6	13.0

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.36 ug/l

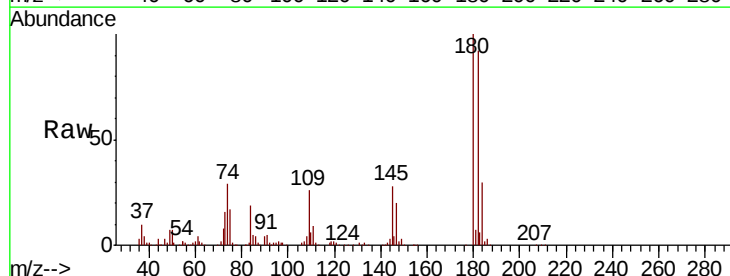
RT: 14.66 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059799.D

Acq: 2 Aug 2018 14:34

Tgt Ion:	180	Resp:	93224
Ion Ratio	Lower	Upper	
180	100		
182	92.3	47.2	141.6
145	28.2	15.6	46.7



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

