

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059723.D
 Acq On : 31 Jul 2018 21:40
 Operator : VA/AP
 Sample : VF0731SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS02

Manual Integrations
 APPROVED

apatel
 8/1/2018 4:29:29 PM

Quant Time: Aug 01 07:54:26 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	5.04	168	166355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	237191	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	234602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158000	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	171698	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
35) Dibromofluoromethane	4.28	113	135962	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
50) Toluene-d8	7.71	98	275181	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.51	95	158577	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	59387	29.434	ug/l	95
3) Chloromethane	1.08	50	26259	24.691	ug/l	88
4) Vinyl Chloride	1.15	62	28645	26.013	ug/l	100
5) Bromomethane	1.34	94	23774	26.068	ug/l	87
6) Chloroethane	1.42	64	19611	29.477	ug/l #	72
7) Trichlorofluoromethane	1.52	101	77710m	25.014	ug/l	
8) Diethyl Ether	1.70	74	13431	25.285	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44825	27.549	ug/l	96
10) Methyl Iodide	1.97	142	65278	26.726	ug/l	92
11) Tert butyl alcohol	2.68	59	12443	102.359	ug/l #	94
12) 1,1-Dichloroethene	1.85	96	31754	24.648	ug/l	89
13) Acrolein	2.09	56	3577	69.075	ug/l	87
14) Allyl chloride	2.19	41	50319	24.464	ug/l	95
15) Acrylonitrile	3.07	53	24527	127.000	ug/l	93
16) Acetone	2.33	43	49261	91.603	ug/l	99
17) Carbon Disulfide	1.89	76	80678m	28.211	ug/l	
18) Methyl Acetate	2.45	43	23605	25.885	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	85938	21.874	ug/l	95
20) Methylene Chloride	2.27	84	31435m	22.967	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	31148	26.417	ug/l	93
22) Diisopropyl ether	2.92	45	98917	22.741	ug/l #	89
23) Vinyl Acetate	3.33	43	222416	99.457	ug/l	97
24) 1,1-Dichloroethane	2.99	63	72835	24.102	ug/l	98
25) 2-Butanone	4.50	43	56755	94.569	ug/l #	88
26) 2,2-Dichloropropane	3.75	77	47633	22.111	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	35346	21.842	ug/l	95
28) Bromochloromethane	3.88	49	26303	22.470	ug/l	98
29) Tetrahydrofuran	4.26	42	25735	111.570	ug/l	94
30) Chloroform	4.03	83	102023	23.921	ug/l	95
31) Cyclohexane	3.85	56	36159	22.414	ug/l	93
32) 1,1,1-Trichloroethane	4.26	97	83861	25.349	ug/l	99
36) 1,1-Dichloropropene	4.45	75	59777	22.740	ug/l	97
37) Ethyl Acetate	4.29	43	28738	21.650	ug/l #	92
38) Carbon Tetrachloride	4.17	117	89077m	23.620	ug/l	

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.63	83	44246	21.712	ug/l #	94
40) Benzene	4.81	78	105413	22.007	ug/l	98
41) Methacrylonitrile	4.92	41	11886	18.115	ug/l #	77
42) 1,2-Dichloroethane	5.11	62	78530	23.426	ug/l	99
43) Isopropyl Acetate	7.11	43	26655	18.794	ug/l #	89
44) Trichloroethene	5.66	130	42159	23.447	ug/l	99
45) 1,2-Dichloropropane	6.39	63	27209	21.509	ug/l	89
46) Dibromomethane	6.25	93	26037	21.680	ug/l	93
47) Bromodichloromethane	6.54	83	74623	22.817	ug/l	96
48) Methyl methacrylate	6.88	41	17562	16.462	ug/l	98
49) 1,4-Dioxane	6.87	88	2395	310.638	ug/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	106298	98.525	ug/l	97
52) Toluene	7.77	92	77422	22.846	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	60915	21.465	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	58138	21.151	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	25399	19.579	ug/l	93
56) Ethyl methacrylate	8.76	69	23614	17.454	ug/l	93
57) 1,3-Dichloropropane	9.00	76	48087	21.607	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	18891	120.938	ug/l	100
59) 2-Hexanone	9.63	43	81312	94.048	ug/l	97
60) Dibromochloromethane	8.86	129	50089	21.881	ug/l	99
61) 1,2-Dibromoethane	9.13	107	32567	21.499	ug/l	87
64) Tetrachloroethene	8.30	164	42742	24.758	ug/l	95
65) Chlorobenzene	9.93	112	101925	21.718	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	47903	21.863	ug/l	96
67) Ethyl Benzene	10.03	91	184223	22.688	ug/l	100
68) m/p-Xylenes	10.27	106	127813	46.133	ug/l	92
69) o-Xylene	10.83	106	68907	23.031	ug/l	97
70) Styrene	10.90	104	100377	22.146	ug/l	99
71) Bromoform	10.89	173	31350	21.959	ug/l	97
73) Isopropylbenzene	11.22	105	227394	21.934	ug/l	99
74) N-amyl acetate	11.46	43	49079	18.765	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	39932	20.462	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	33574	20.232	ug/l	90
77) Bromobenzene	11.59	156	56737	20.958	ug/l	96
78) n-propylbenzene	11.69	91	263291	21.968	ug/l	98
79) 2-Chlorotoluene	11.82	91	160663	21.523	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	206590	22.450	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	13946m	20.293	ug/l	
82) 4-Chlorotoluene	11.98	91	172372	21.870	ug/l	96
83) tert-Butylbenzene	12.21	119	201461	21.647	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	214187	23.245	ug/l	93
85) sec-Butylbenzene	12.39	105	275452	23.115	ug/l	97
86) p-Isopropyltoluene	12.54	119	240187	22.998	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	112859	22.299	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	107801	21.784	ug/l	98
89) n-Butylbenzene	12.92	91	234416	23.736	ug/l	97
90) Hexachloroethane	12.99	117	60316	23.067	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	108389	22.681	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	8932	18.723	ug/l	95

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ClientSampleId :
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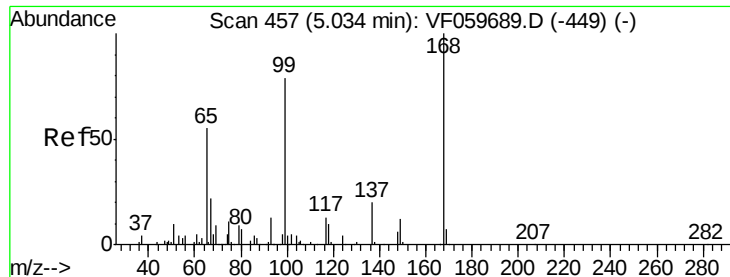
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	83901	21.667	ug/l	93
94) Hexachlorobutadiene	14.25	225	57824	22.312	ug/l	96
95) Naphthalene	14.52	128	129590	19.024	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	76613	20.347	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion:168 Resp: 166355

Ion Ratio Lower Upper

168 100

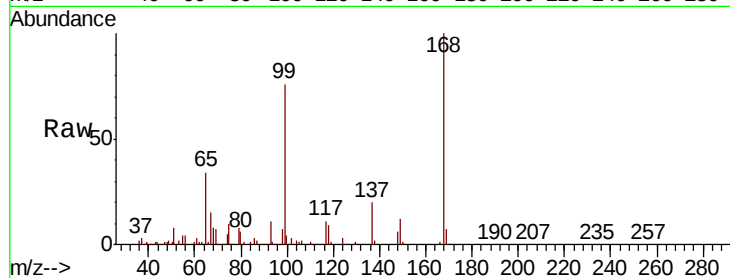
99 76.5 63.3 94.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

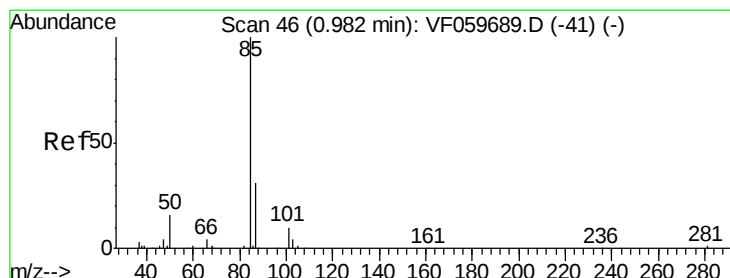
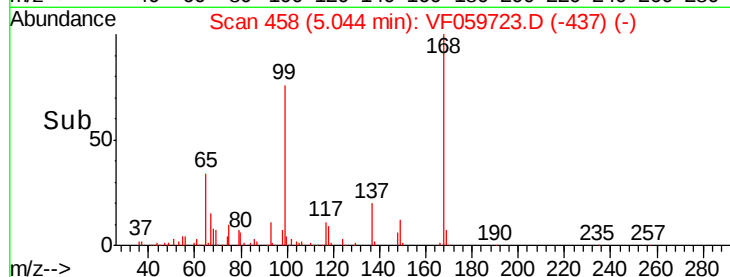
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 29.434 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059723.D

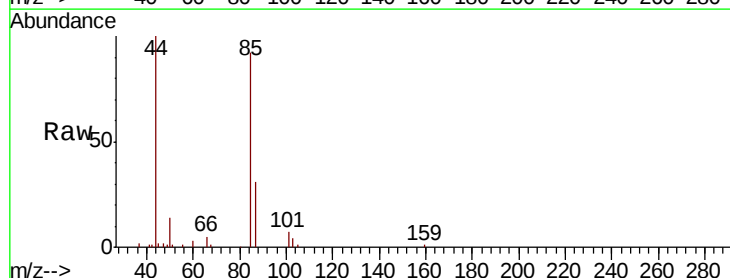
Acq: 31 Jul 2018 21:40

Tgt Ion: 85 Resp: 59387

Ion Ratio Lower Upper

85 100

87 33.1 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

15000

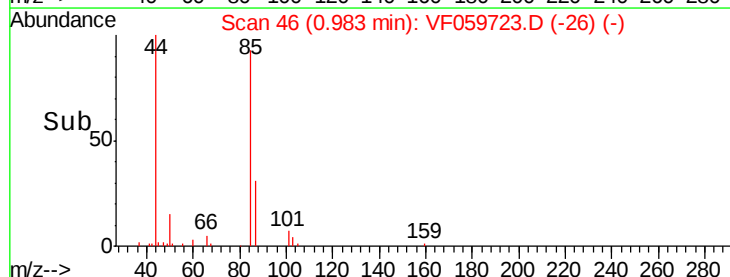
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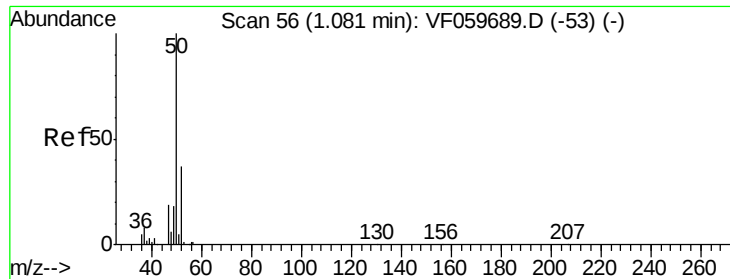
5000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 24.691 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion: 50 Resp: 26259

Ion Ratio Lower Upper

50 100

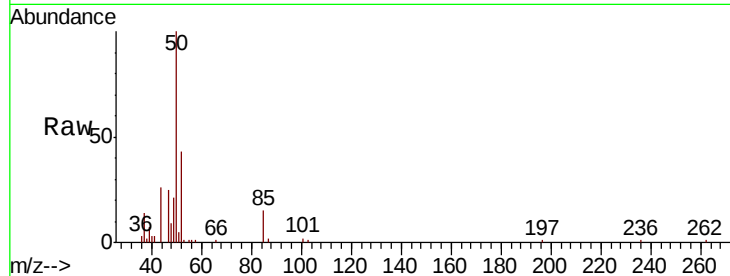
52 43.4 29.1 43.7

Manual Integrations

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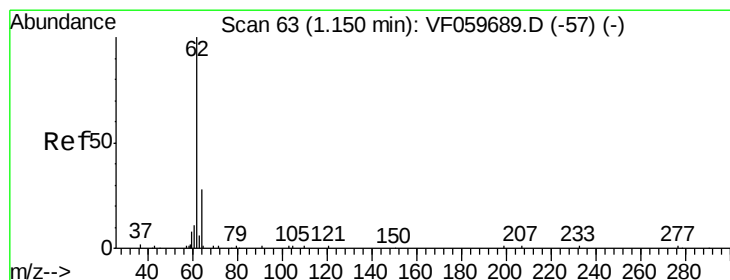
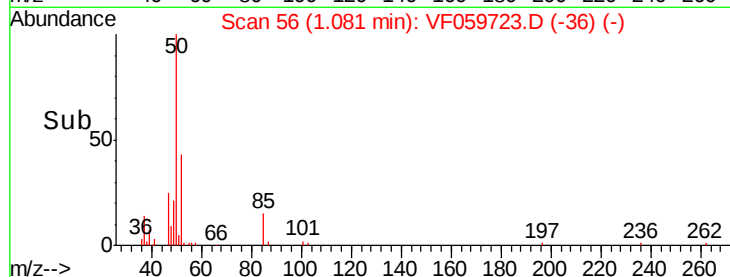
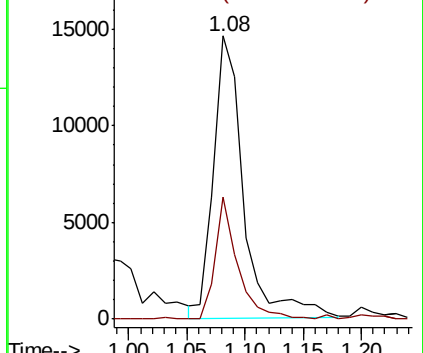
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 26.013 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059723.D

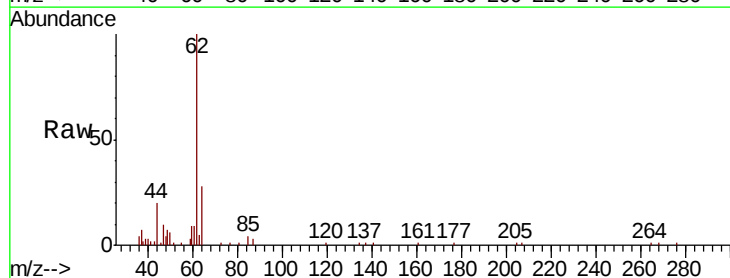
Acq: 31 Jul 2018 21:40

Tgt Ion: 62 Resp: 28645

Ion Ratio Lower Upper

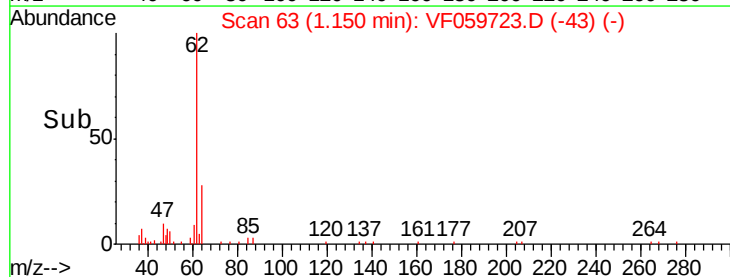
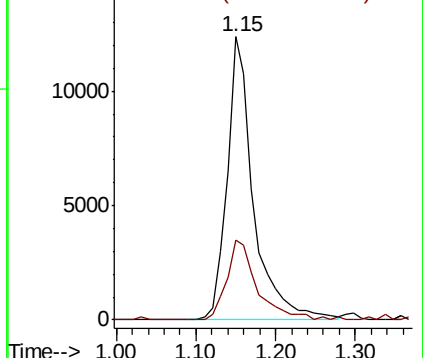
62 100

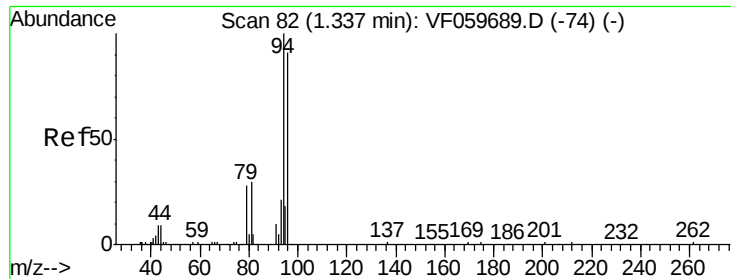
64 28.3 22.6 33.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 26.068 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion: 94 Resp: 23774

Ion Ratio Lower Upper

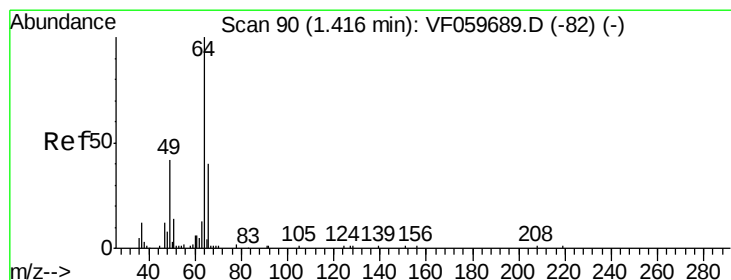
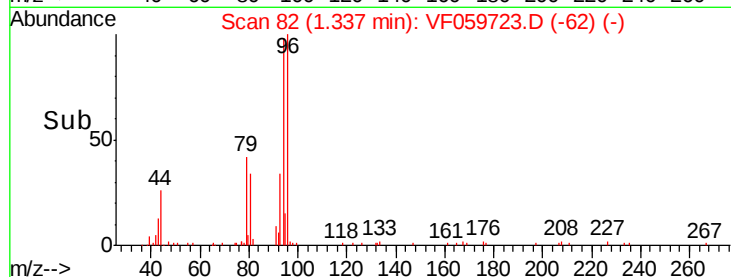
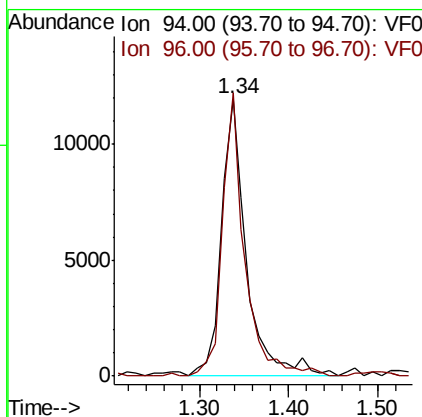
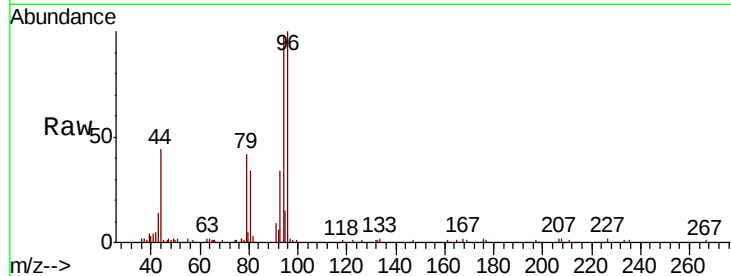
94 100

96 104.3 73.6 110.4

Manual Integrations
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#6

Chloroethane

Concen: 29.477 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059723.D

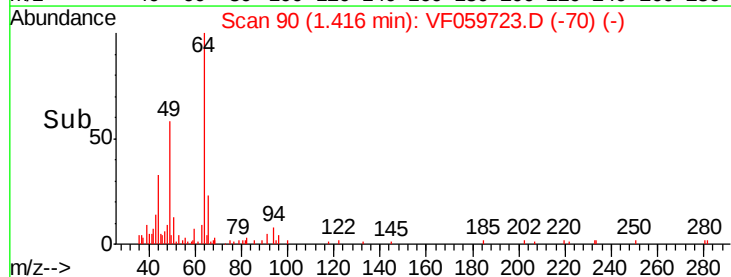
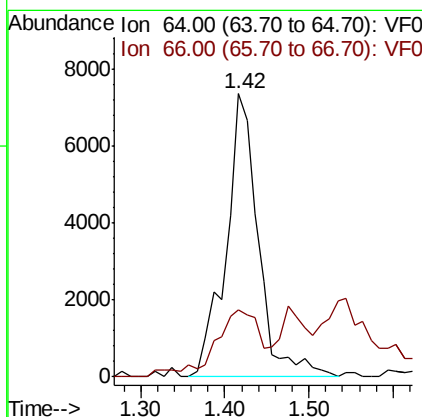
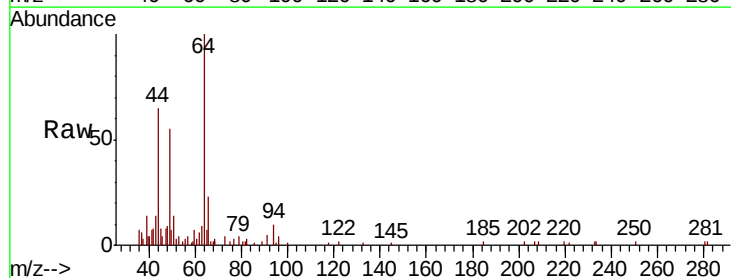
Acq: 31 Jul 2018 21:40

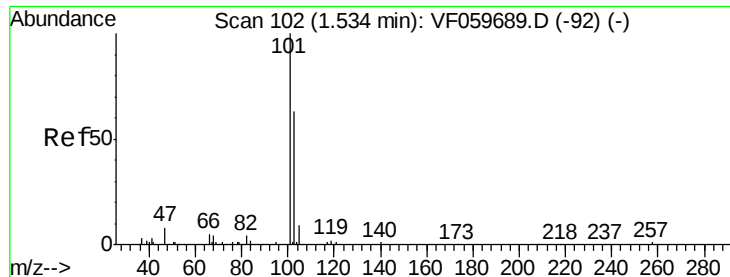
Tgt Ion: 64 Resp: 19611

Ion Ratio Lower Upper

64 100

66 23.5 32.6 49.0#





#7

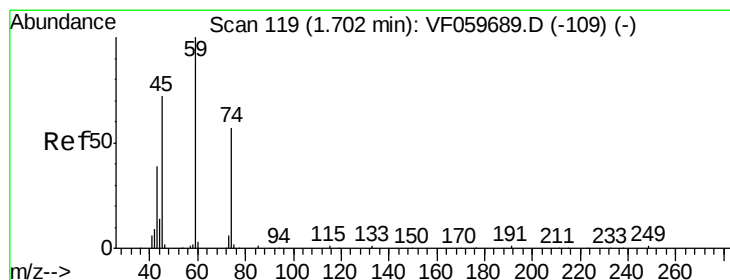
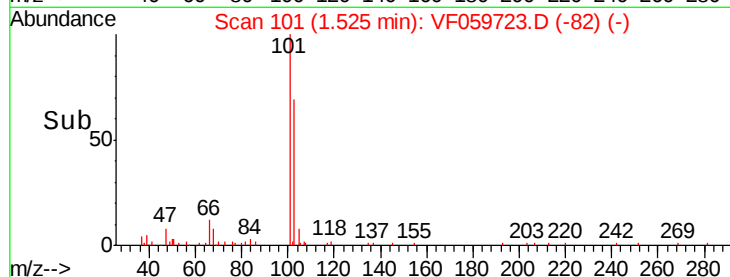
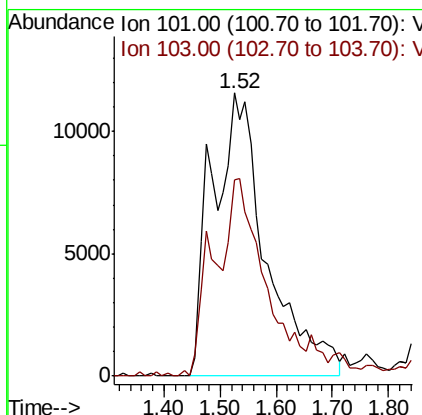
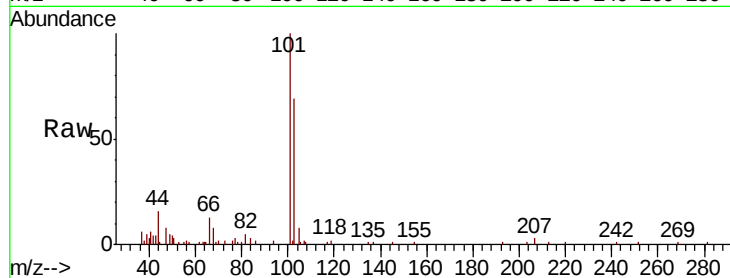
Trichlorofluoromethane
 Concen: 25.014 ug/l m
 RT: 1.52 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

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 ClientSampleId :
 VF0731SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.2	50.8	76.2

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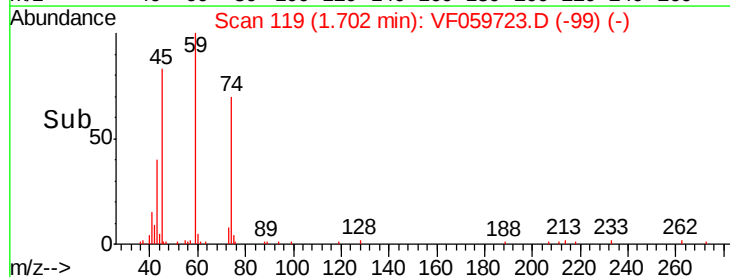
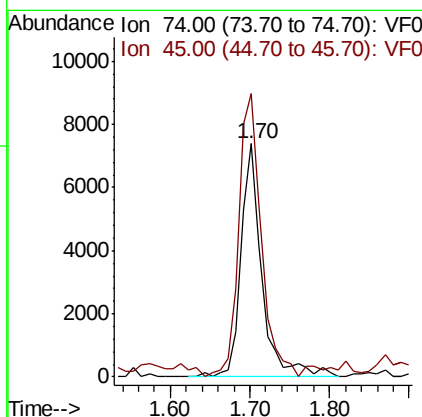
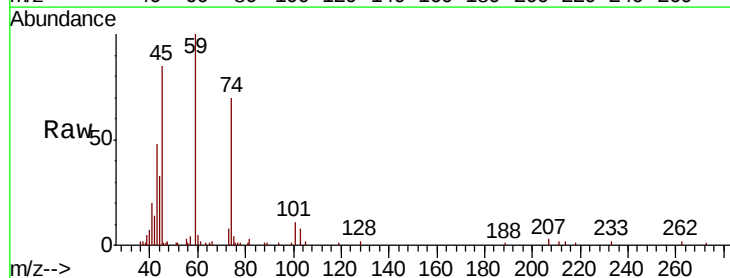
apatel
 8/1/2018 4:29:29 PM

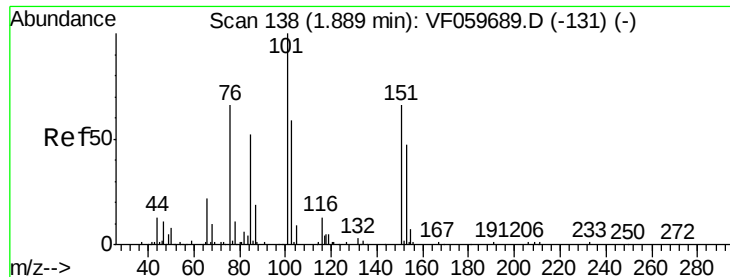


#8

Diethyl Ether
 Concen: 25.285 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.3	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 27.549 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059723.D

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Instrument :

MSVOA_F

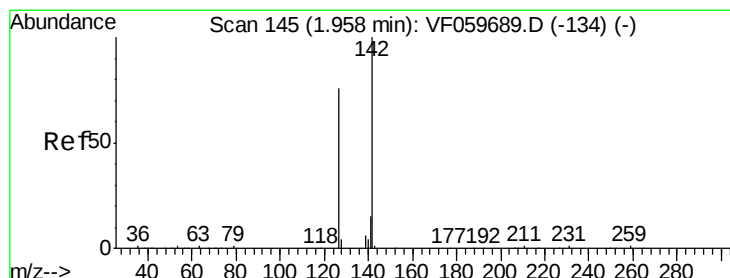
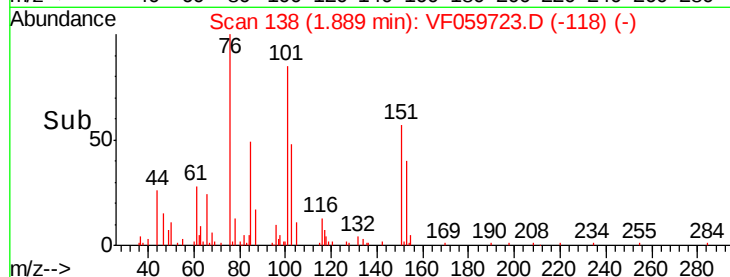
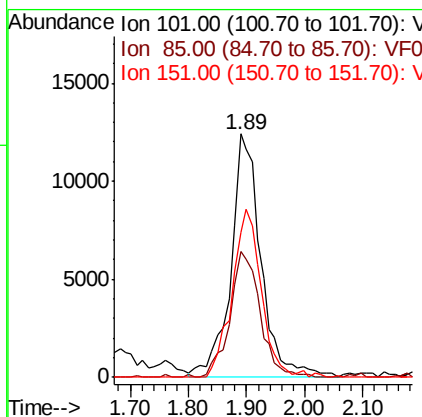
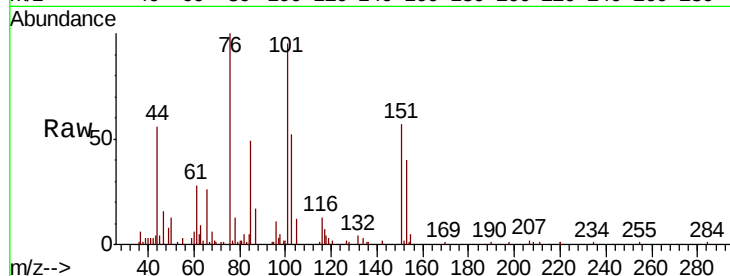
ClientSampleId :

VF0731SBS02

Tot Ion:	101	Resp:	44825
Ion Ratio	Lower	Upper	
101	100		
85	51.6	40.7	61.1
151	59.7	51.4	77.2

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#10

Methyl Iodide

Concen: 26.726 ug/l

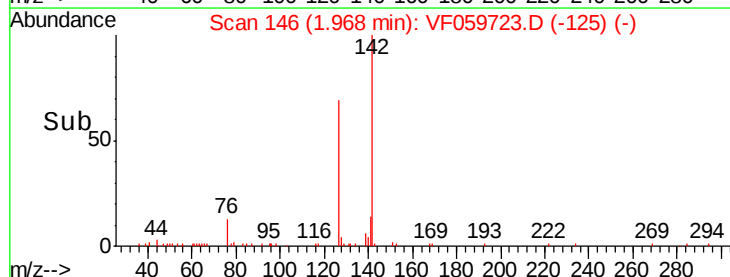
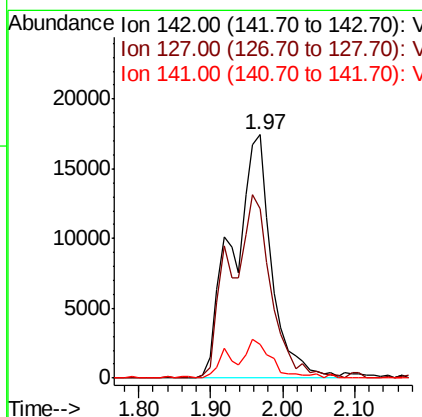
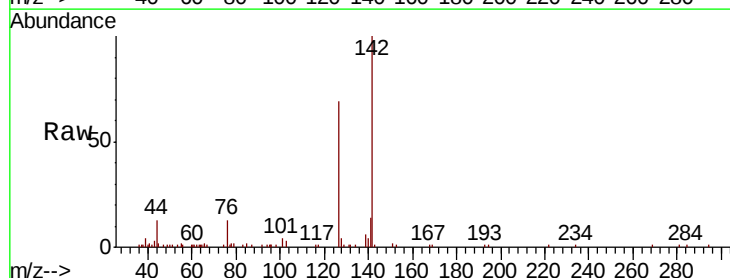
RT: 1.97 min Scan# 146

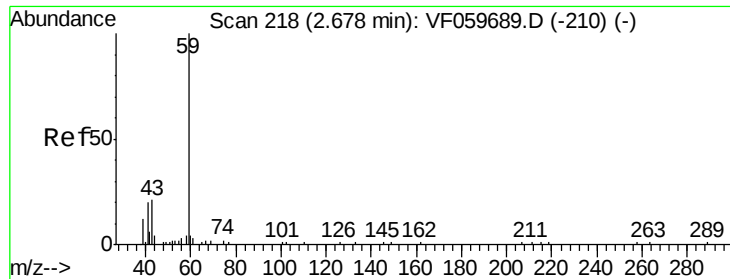
Delta R.T. 0.01 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion:	142	Resp:	65278
Ion Ratio	Lower	Upper	
142	100		
127	68.5	60.6	91.0
141	13.6	12.0	18.0





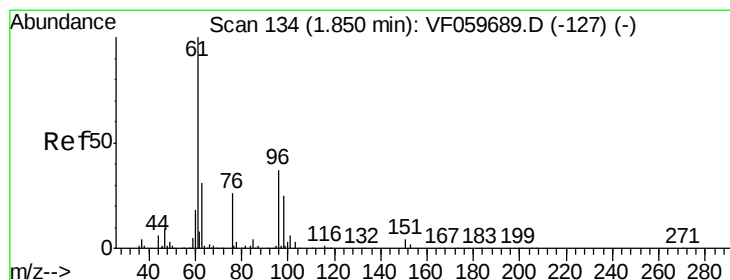
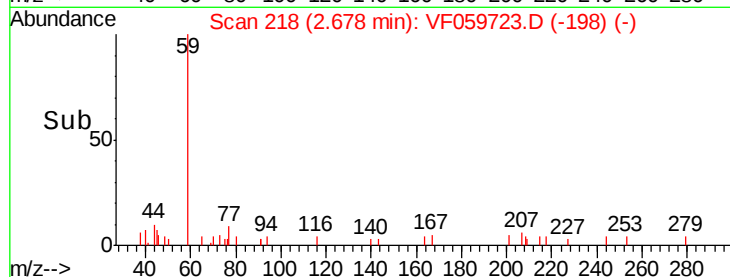
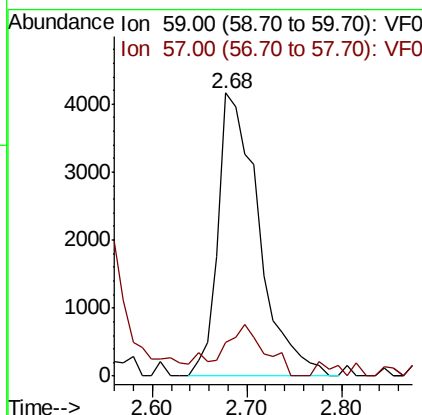
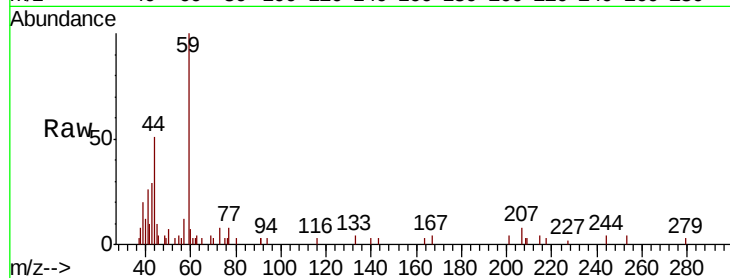
#11
Tert butyl alcohol
Concen: 102.359 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	7.6	11.4#

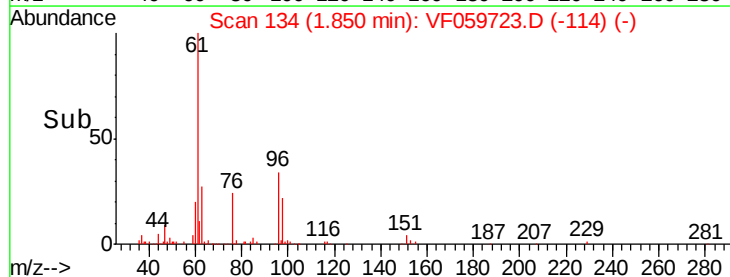
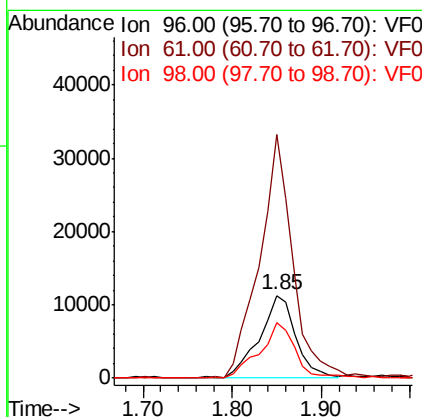
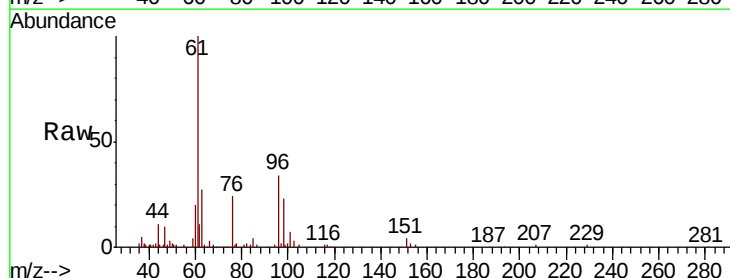
Manual Integrations
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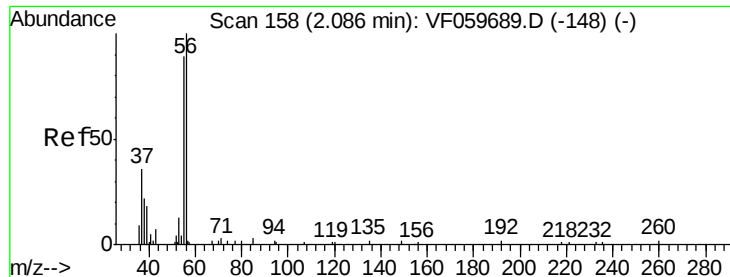
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#12
1,1-Dichloroethene
Concen: 24.648 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	294.8	215.1	322.7
98	67.1	54.3	81.5





#13

Acrolein

Concen: 69.075 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion: 56 Resp: 3577

Ion Ratio Lower Upper

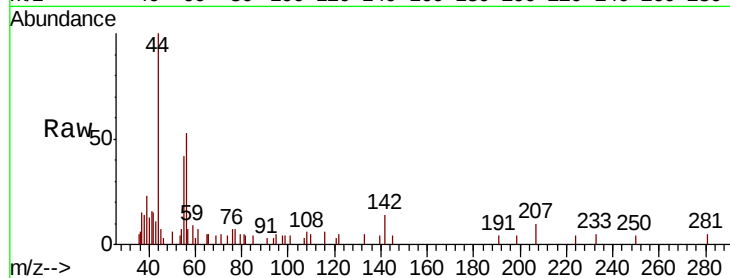
56 100

55 79.4 73.2 109.8

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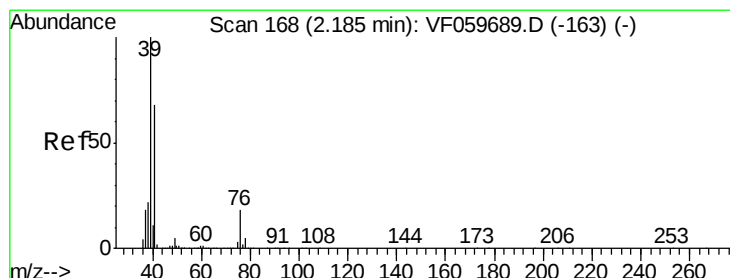
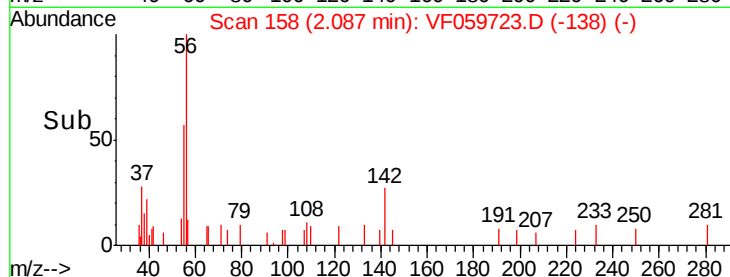
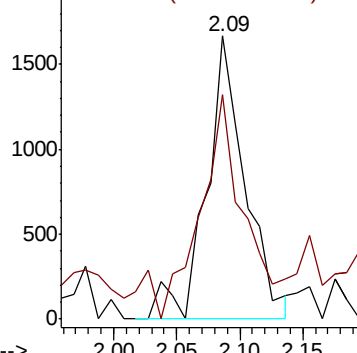
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 24.464 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

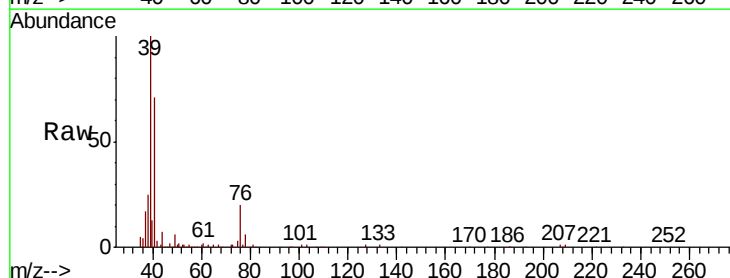
Tgt Ion: 41 Resp: 50319

Ion Ratio Lower Upper

41 100

39 139.9 118.1 177.1

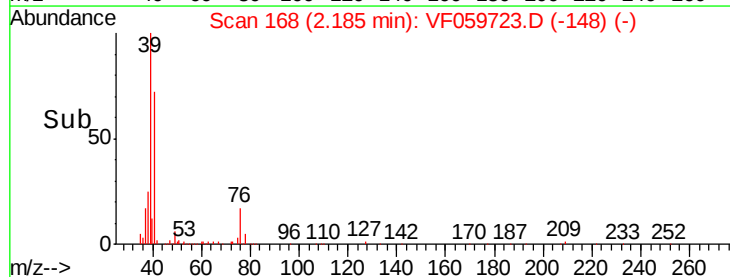
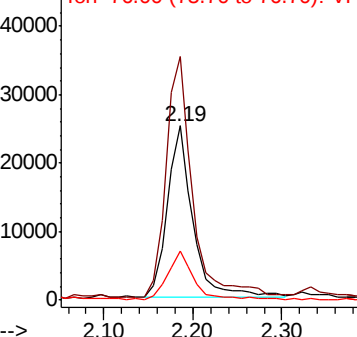
76 28.2 22.0 33.0

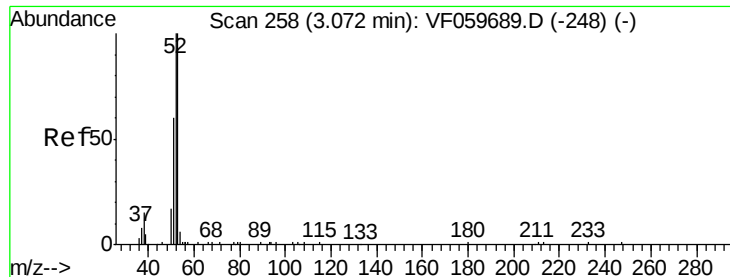


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 127.000 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

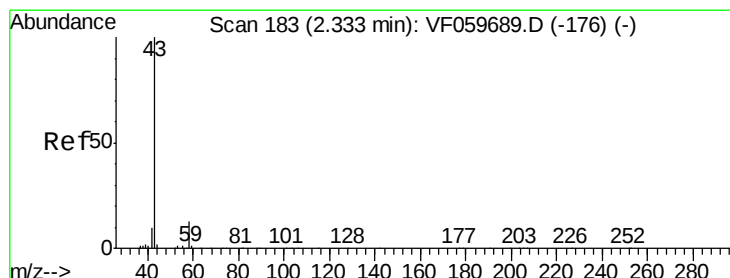
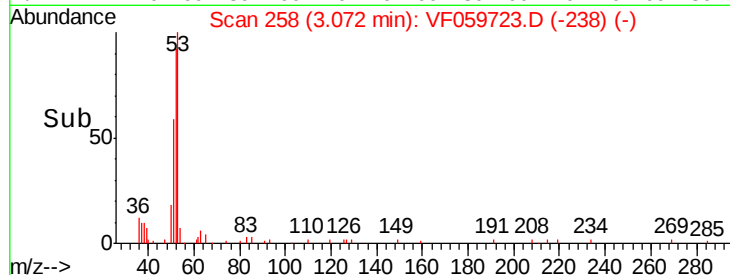
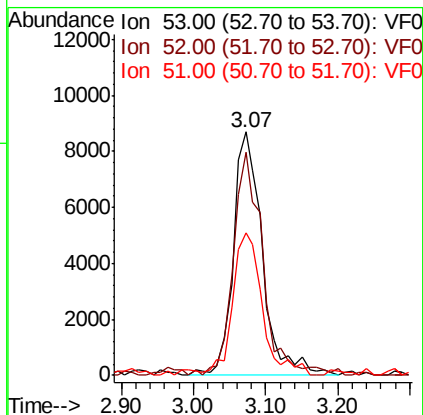
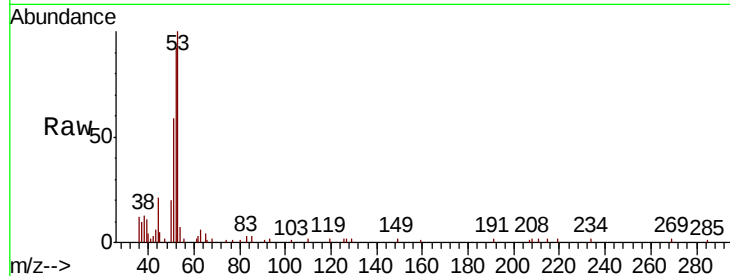
ClientSampleId :

VF0731SBS02

Tot Ion:	53	Resp:	24527
Ion	Ratio	Lower	Upper
53	100		
52	91.7	80.3	120.5
51	58.8	49.4	74.0

Manual Integrations
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#16

Acetone

Concen: 91.603 ug/l

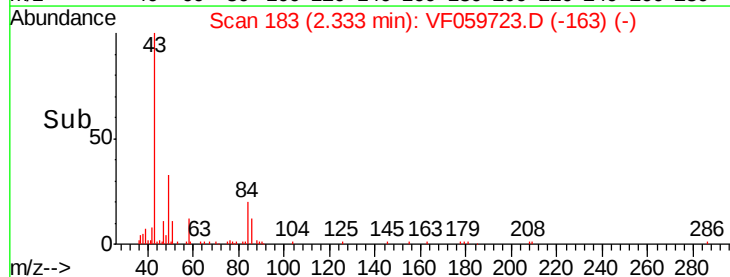
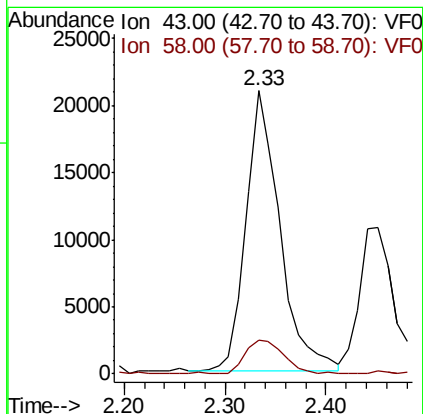
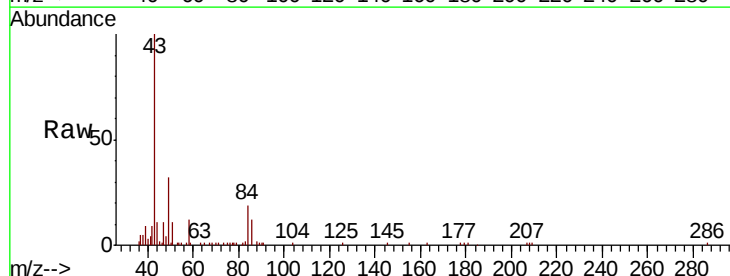
RT: 2.33 min Scan# 183

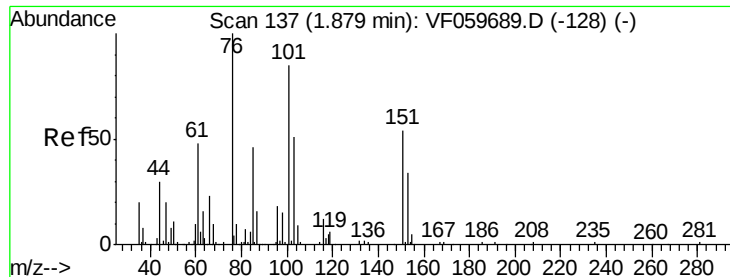
Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion:	43	Resp:	49261
Ion	Ratio	Lower	Upper
43	100		
58	12.0	10.1	15.1





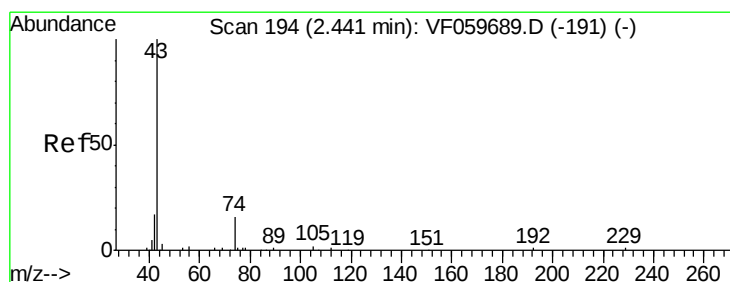
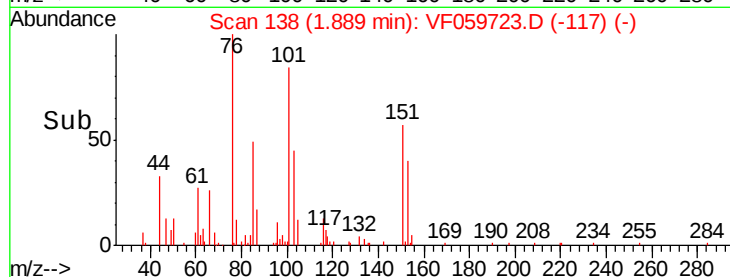
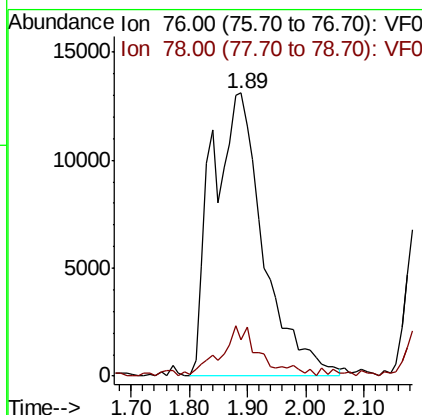
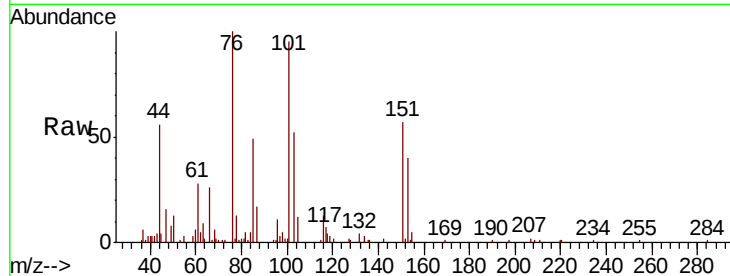
#17
Carbon Disulfide
Concen: 28.211 ug/l m
RT: 1.89 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

Tot Ion: 76 Resp: 80678
Ion Ratio Lower Upper
76 100
78 12.8 8.9 13.3

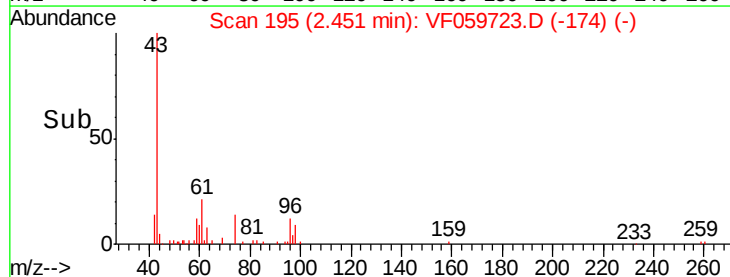
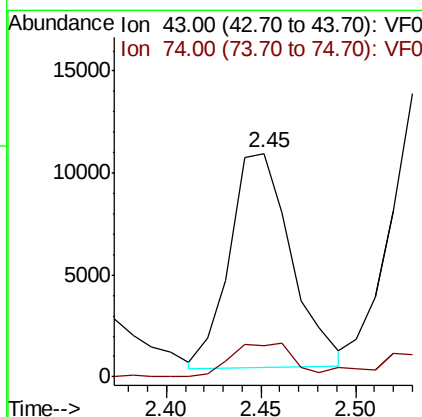
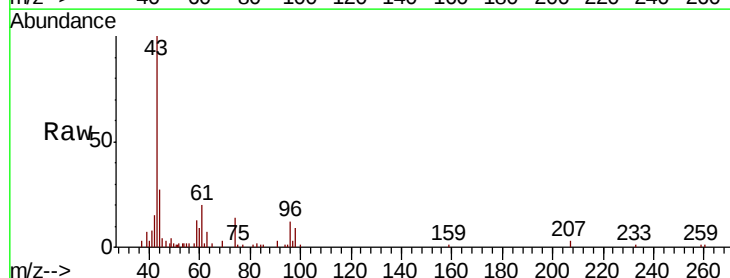
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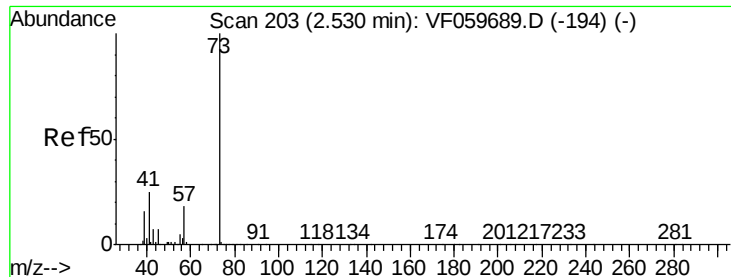
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#18
Methyl Acetate
Concen: 25.885 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion: 43 Resp: 23605
Ion Ratio Lower Upper
43 100
74 13.9 11.8 17.6





#19

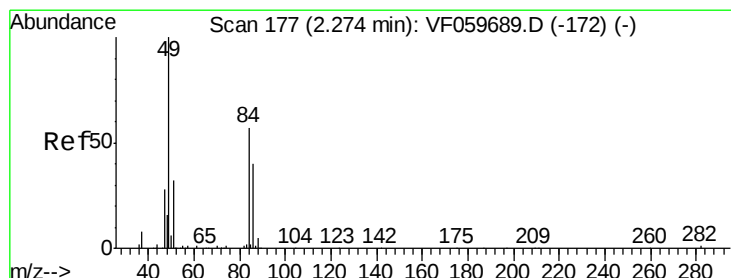
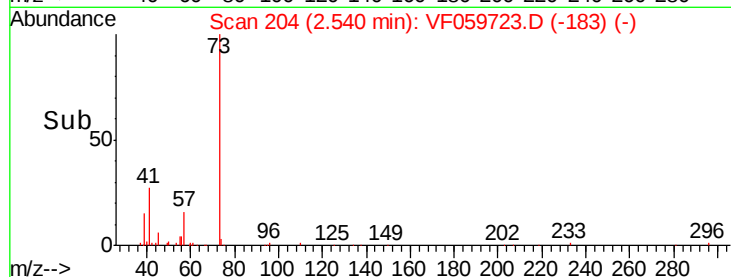
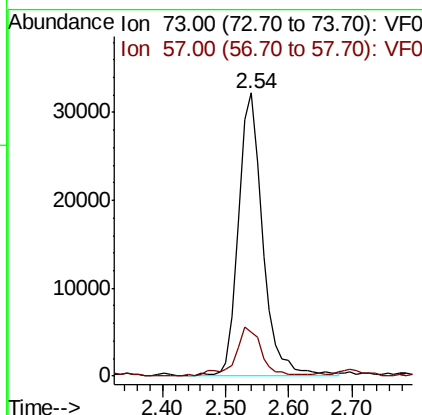
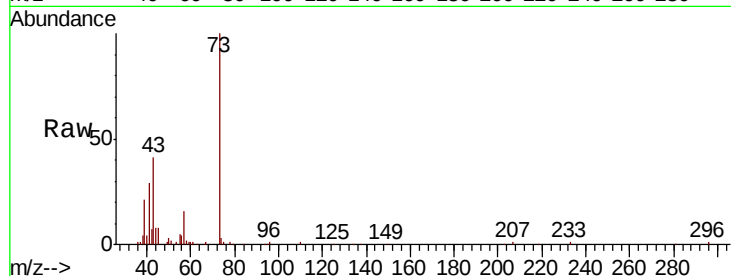
Methyl tert-butyl Ether
 Concen: 21.874 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.6	14.2	21.2

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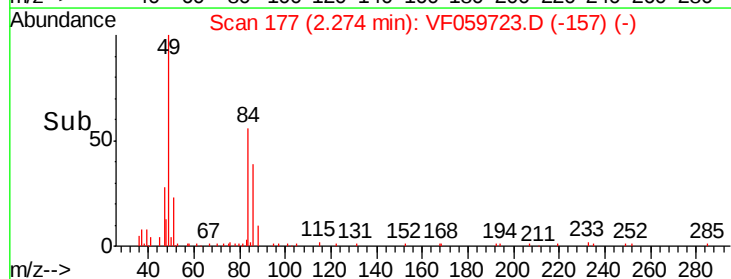
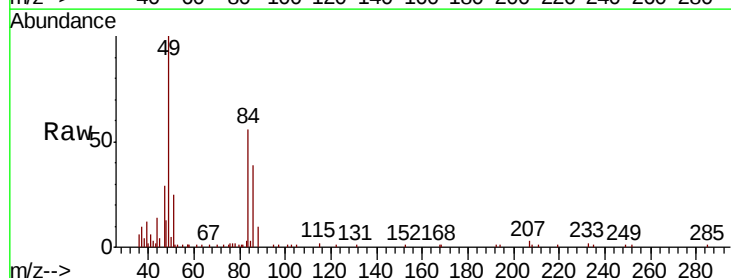
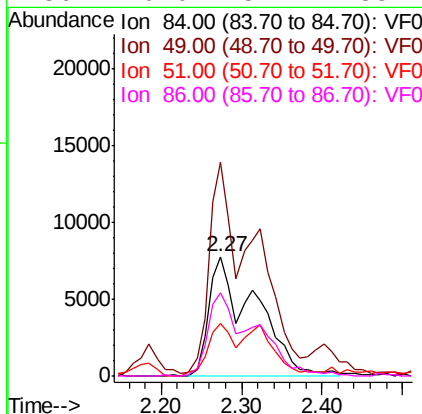
apatel
 8/1/2018 4:29:29 PM

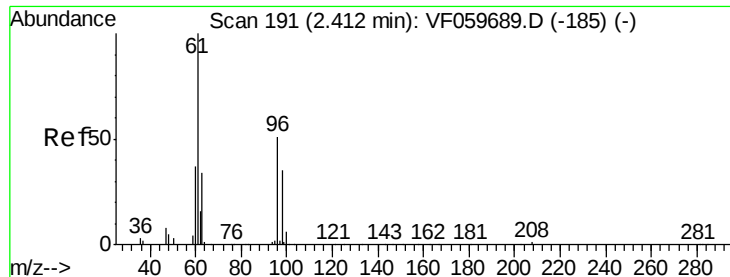


#20

Methylene Chloride
 Concen: 22.967 ug/l m
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	178.6	142.2	213.4
51	44.2	46.2	69.2
86	70.0	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 26.417 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

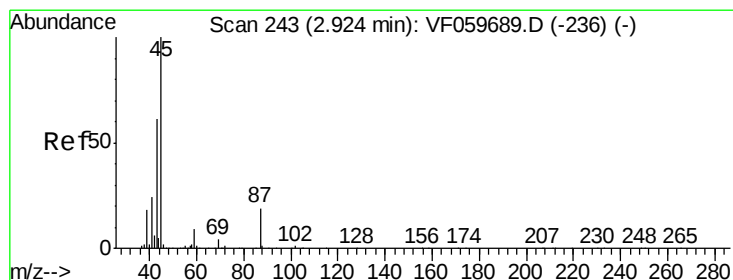
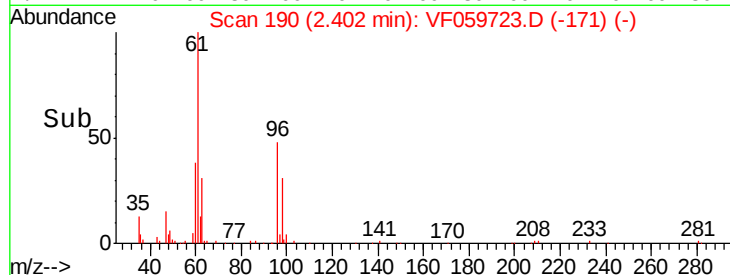
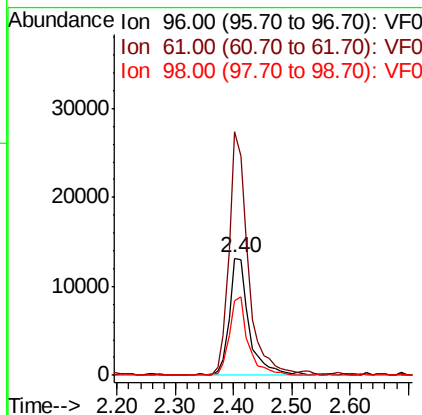
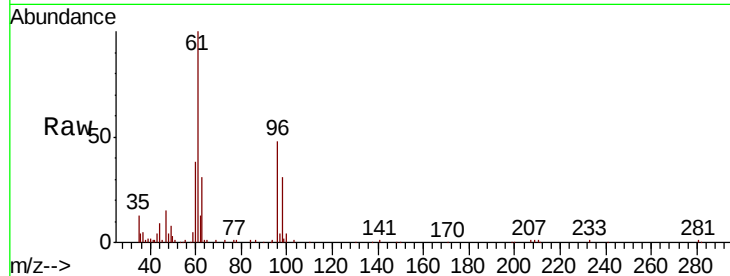
ClientSampleId :

VF0731SBS02

Tot Ion:	96	Resp:	31148
Ion Ratio	Lower	Upper	
96	100		
61	207.8	157.4	236.0
98	63.8	55.0	82.4

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#22

Diisopropyl ether

Concen: 22.741 ug/l

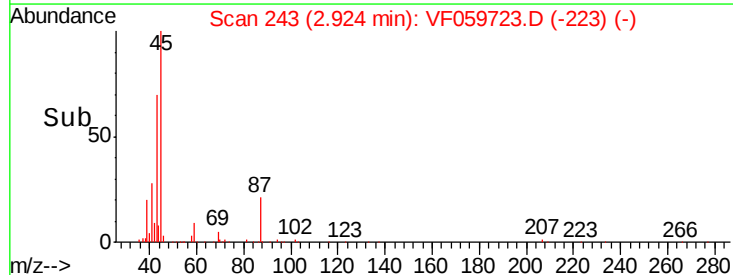
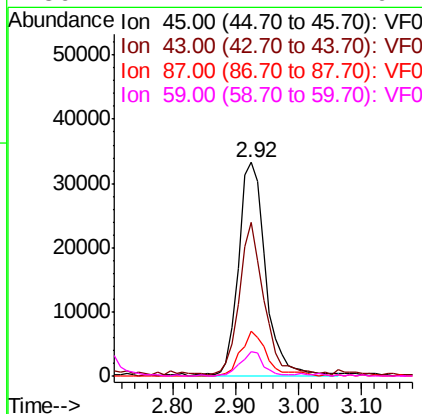
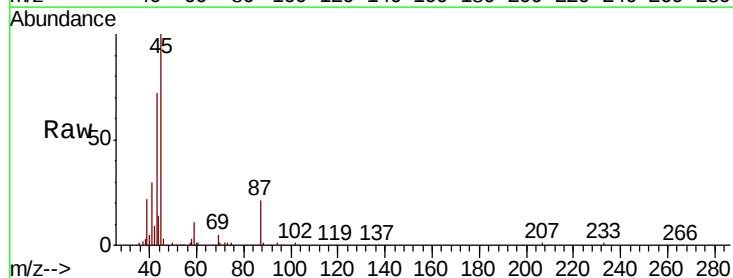
RT: 2.92 min Scan# 243

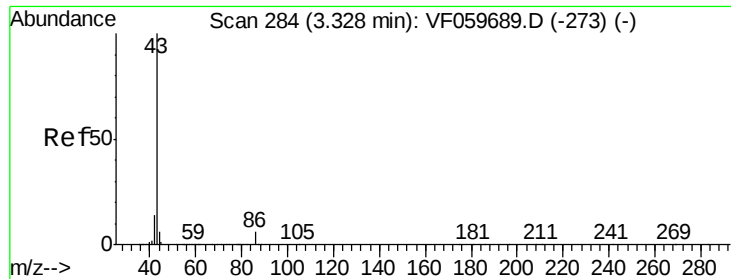
Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion:	45	Resp:	98917
Ion Ratio	Lower	Upper	
45	100		
43	71.7	49.3	73.9
87	20.9	15.3	22.9
59	11.4	7.1	10.7#





#23

Vinyl Acetate

Concen: 99.457 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion: 43 Resp: 222416

Ion Ratio Lower Upper

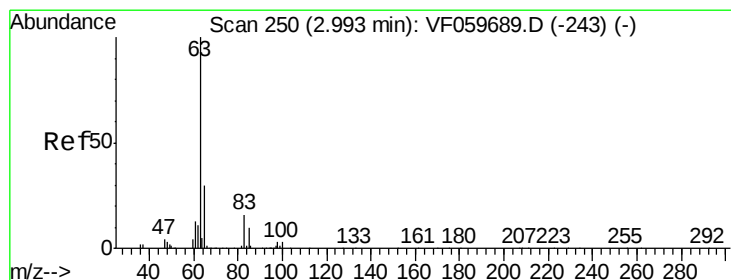
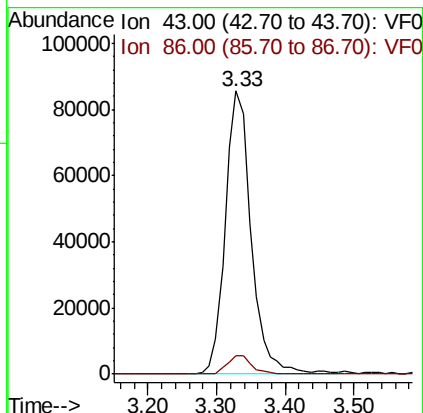
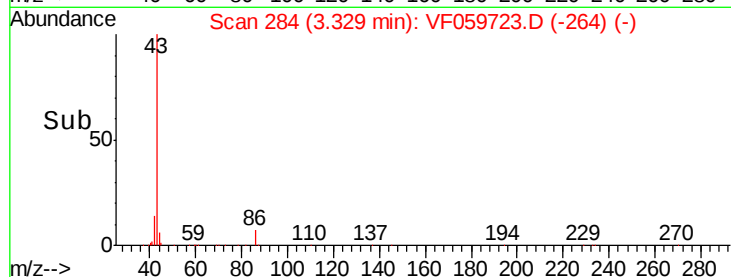
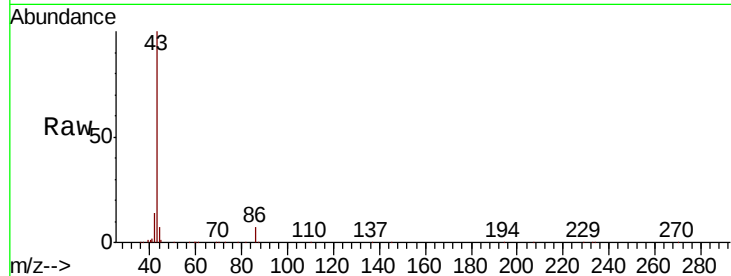
43 100

86 6.6 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 24.102 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

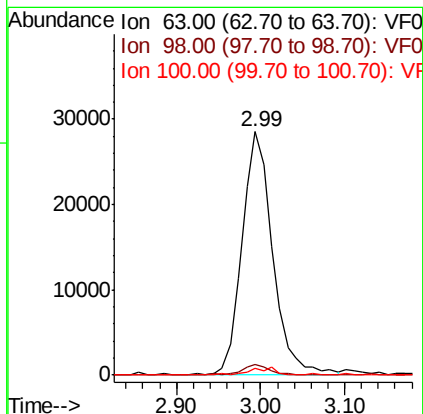
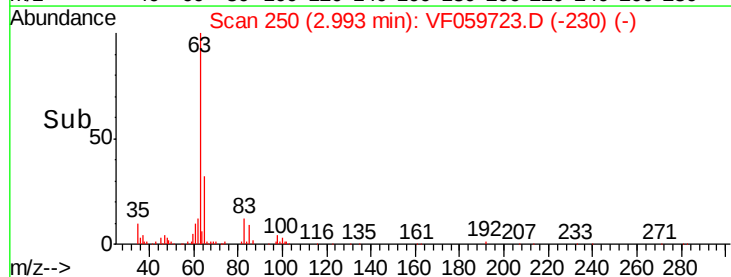
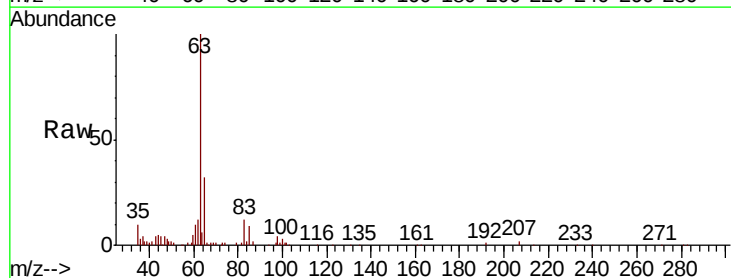
Tgt Ion: 63 Resp: 72835

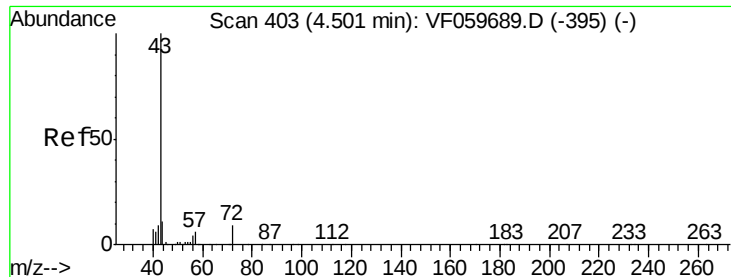
Ion Ratio Lower Upper

63 100

98 4.1 1.4 4.2

100 2.7 1.6 4.7





#25

2-Butanone

Concen: 94.569 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion: 43 Resp: 56755

Ion Ratio Lower Upper

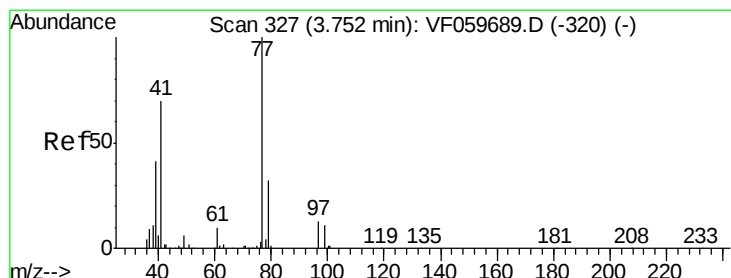
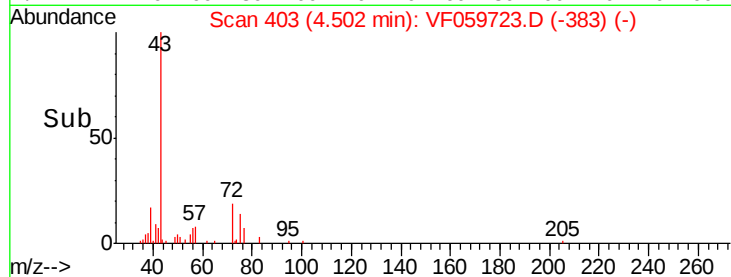
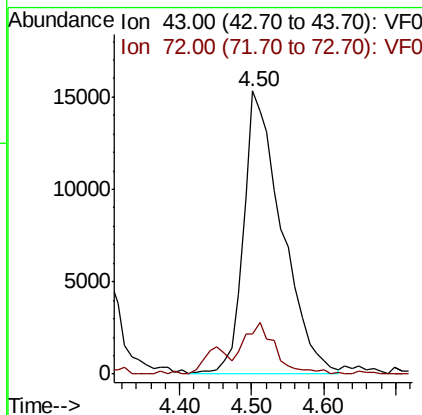
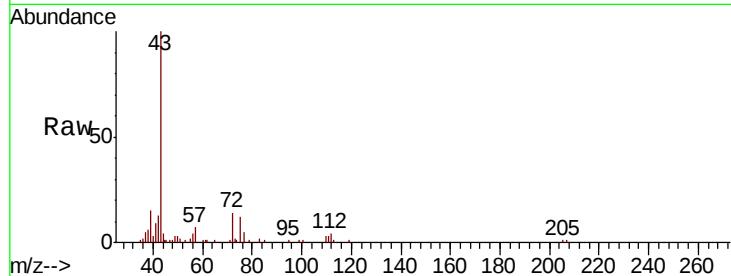
43 100

72 14.2 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 22.111 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059723.D

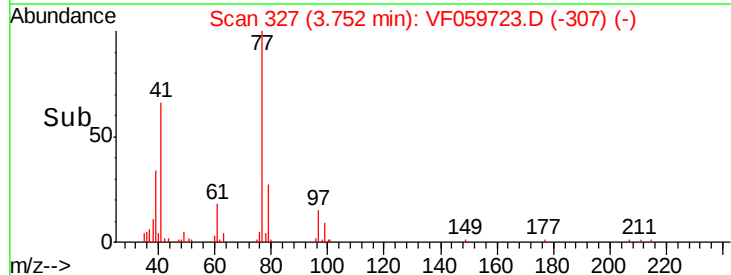
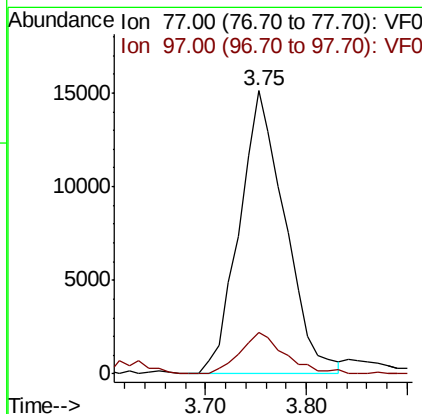
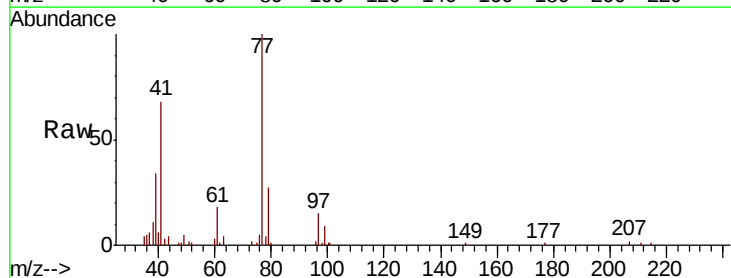
Acq: 31 Jul 2018 21:40

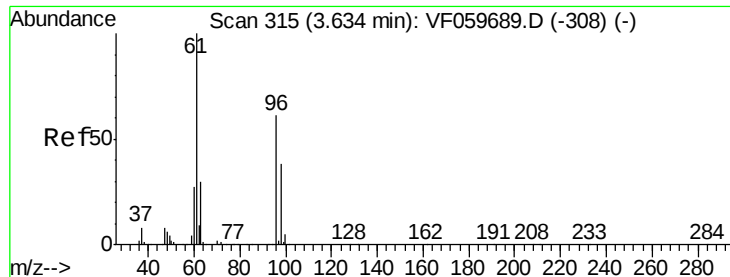
Tgt Ion: 77 Resp: 47633

Ion Ratio Lower Upper

77 100

97 14.5 6.8 20.4





#27

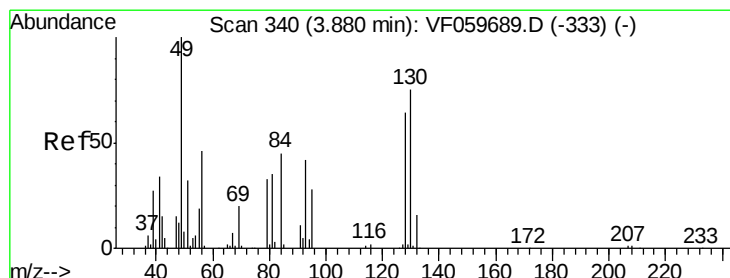
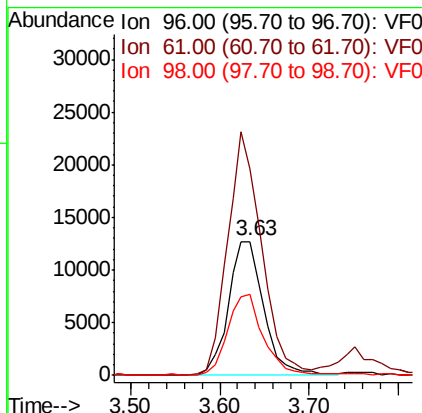
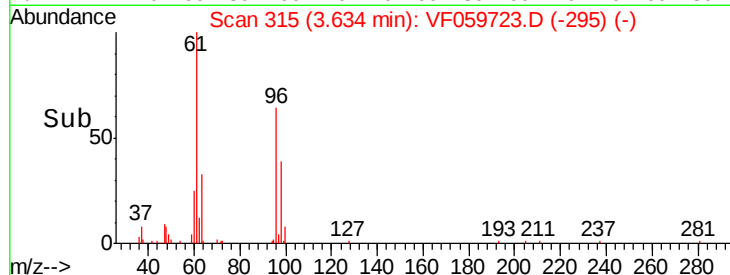
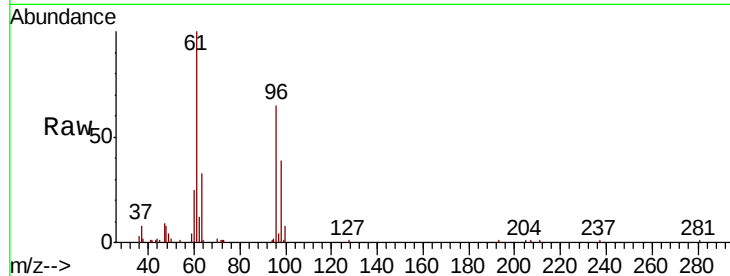
cis-1,2-Dichloroethene
Concen: 21.842 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	326.8
98	60.8	0.0	125.2

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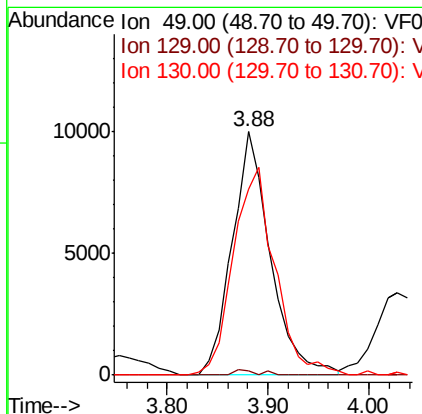
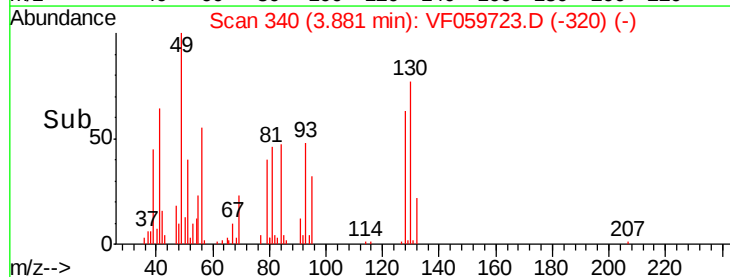
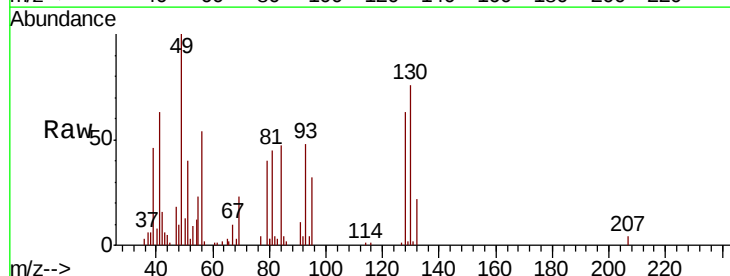
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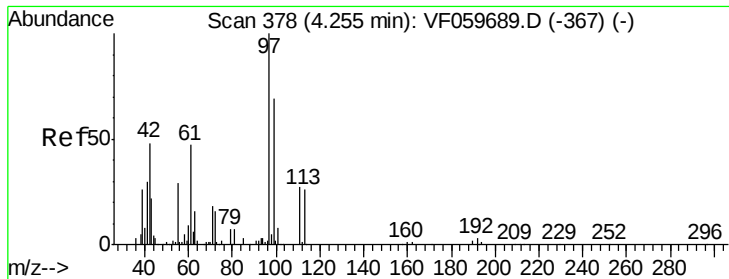


#28

Bromochloromethane
Concen: 22.470 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.8
130	76.4	59.6	89.4





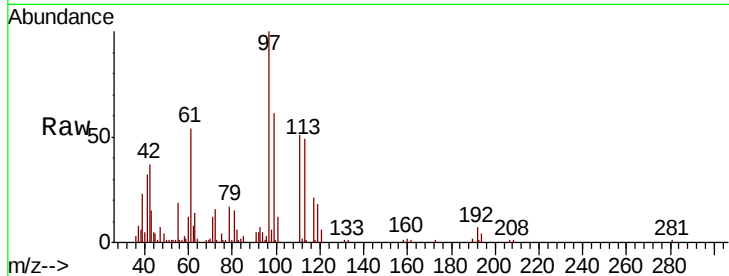
#29
Tetrahydrofuran
Concen: 111.570 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

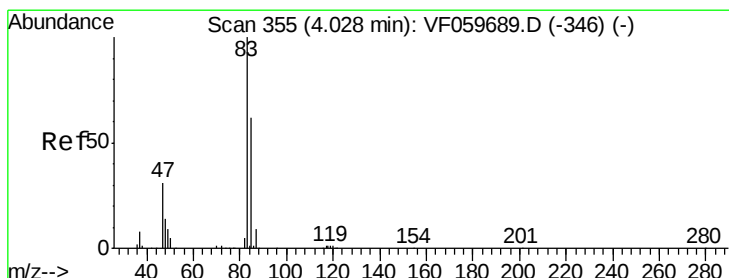
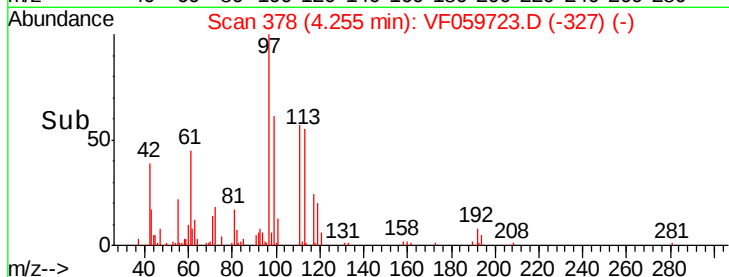
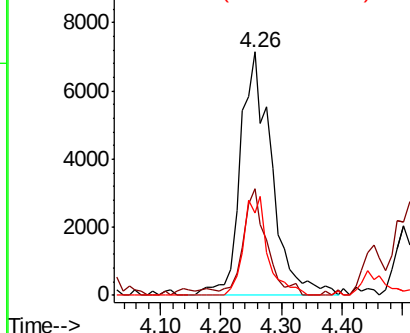
Tot Ion	Ratio	Lower	Upper
42	100		
72	32.6	27.0	40.6
71	31.1	29.7	44.5

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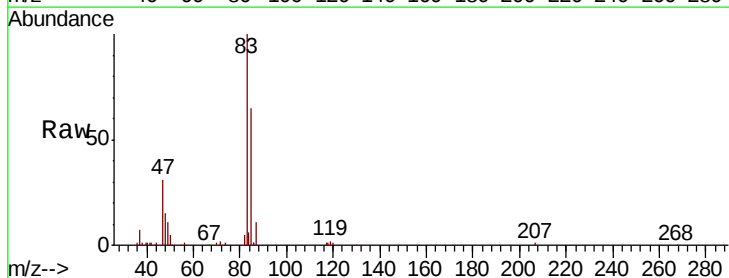


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

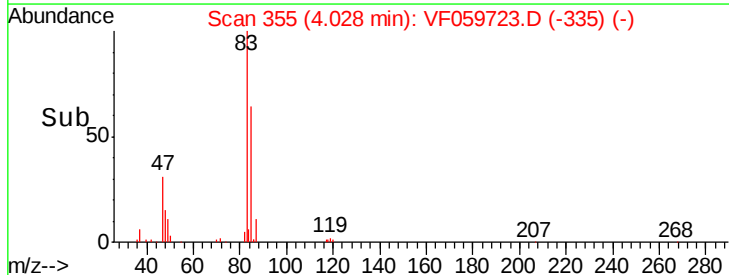
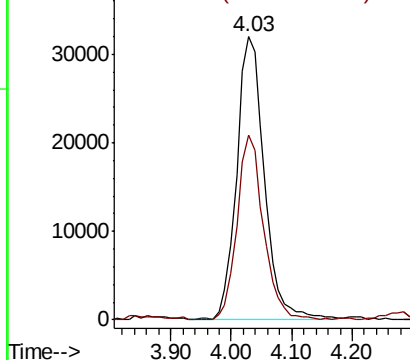


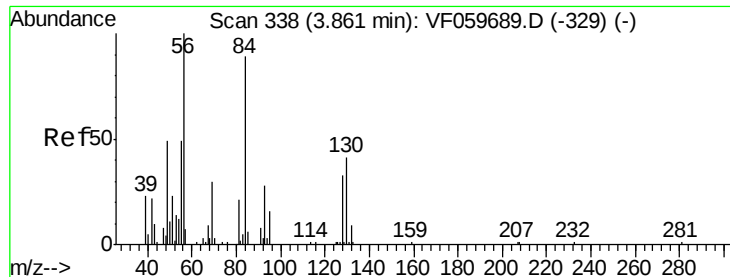
#30
Chloroform
Concen: 23.921 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.4	74.0



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 22.414 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

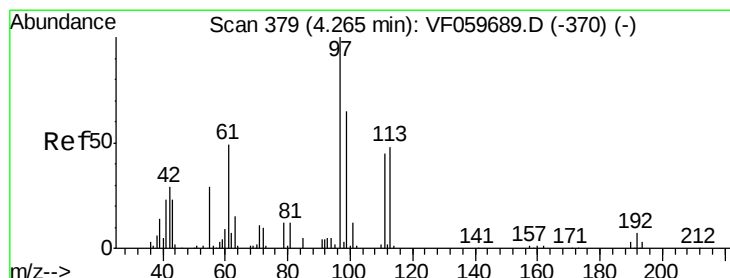
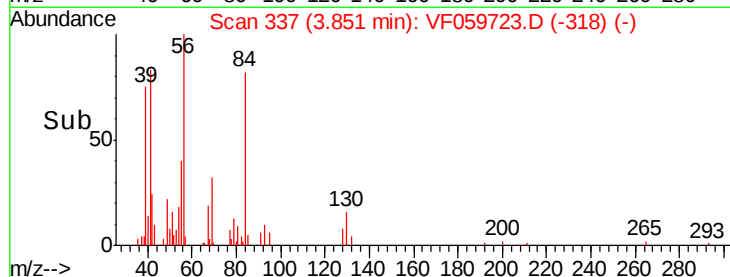
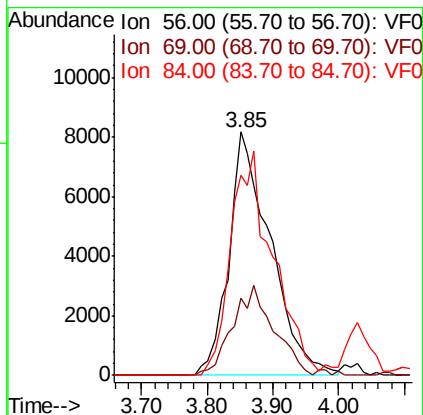
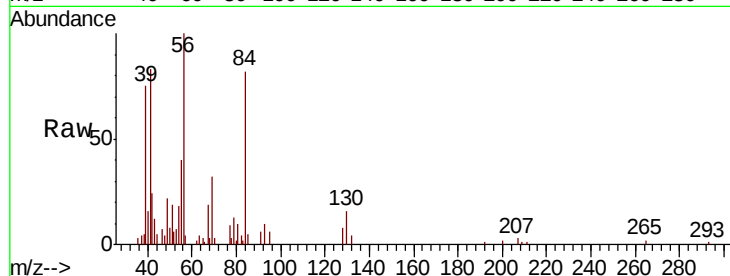
ClientSampleId :

VF0731SBS02

Tot Ion:	56	Resp:	36159
Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.7	35.5
84	82.1	71.1	106.7

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#32

1,1,1-Trichloroethane

Concen: 25.349 ug/l

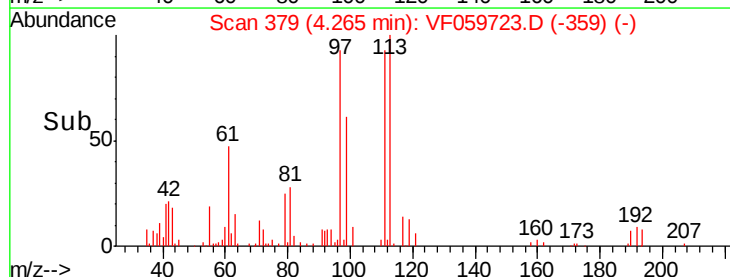
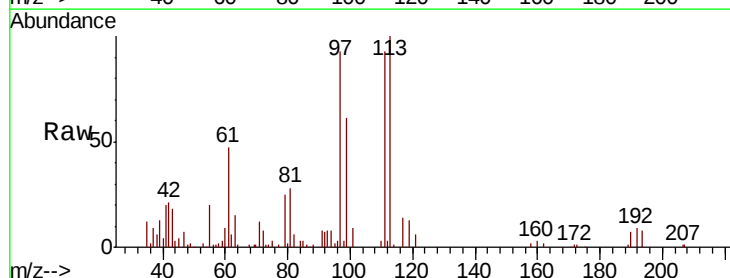
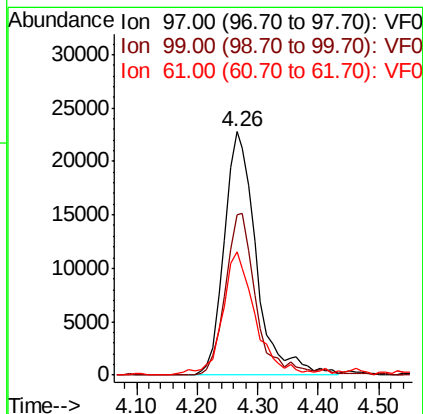
RT: 4.26 min Scan# 379

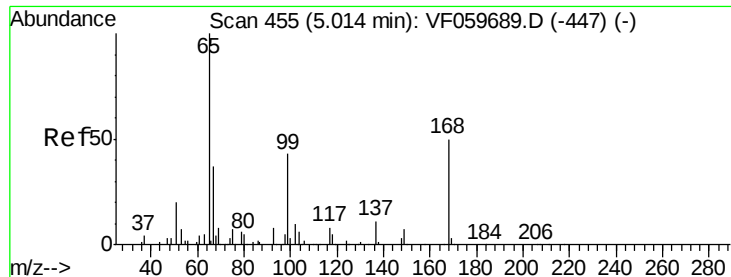
Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion:	97	Resp:	83861
Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.4	78.6
61	50.6	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 57.429 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tot Ion: 65 Resp: 171698

Ion Ratio Lower Upper

65 100

67 38.7 0.0 84.6

Instrument :

MSVOA_F

ClientSampleId :

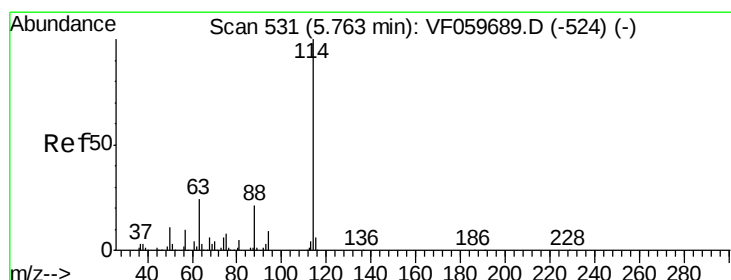
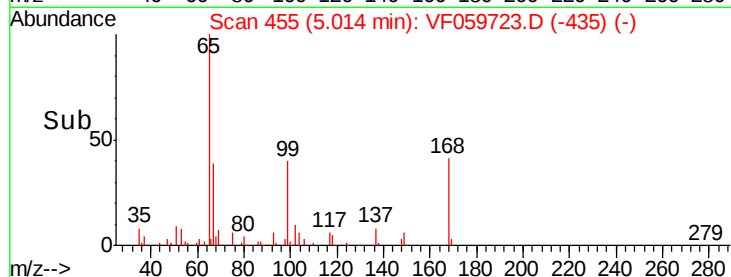
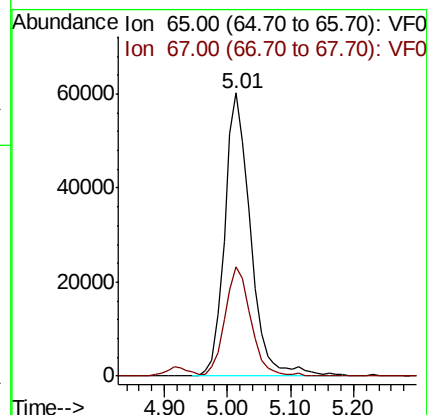
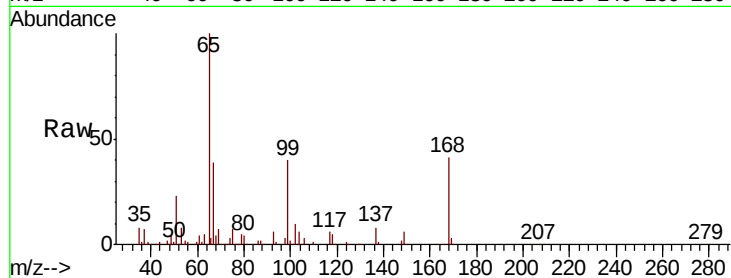
VF0731SBS02

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

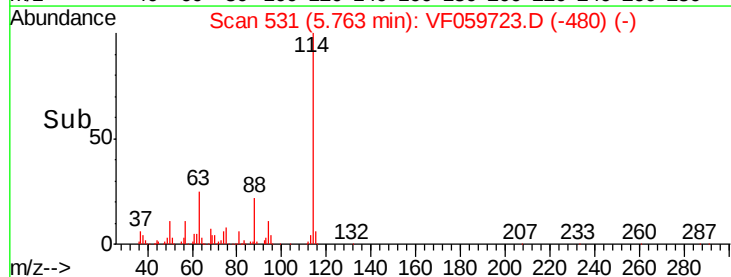
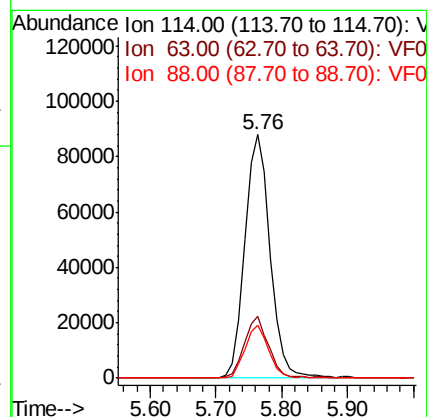
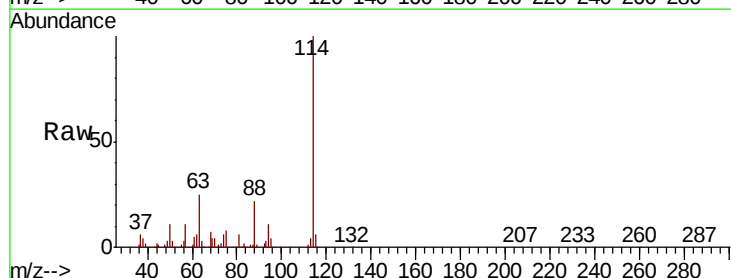
Tgt Ion: 114 Resp: 237191

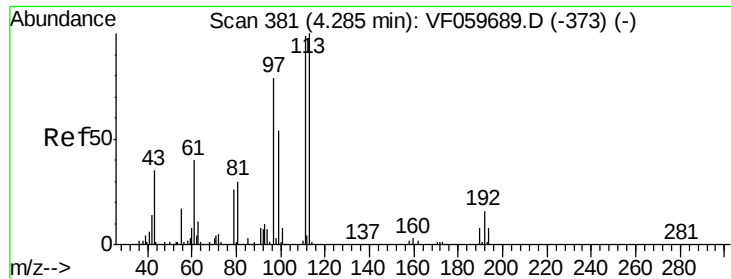
Ion Ratio Lower Upper

114 100

63 25.2 0.0 47.4

88 21.9 0.0 41.2





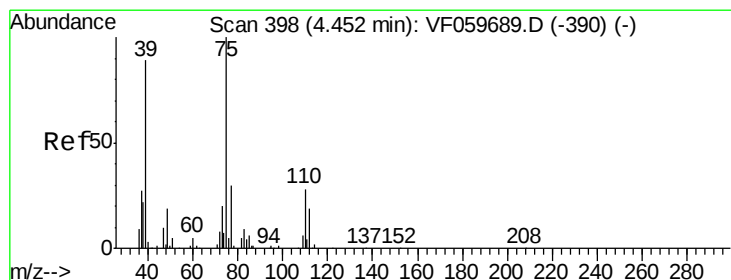
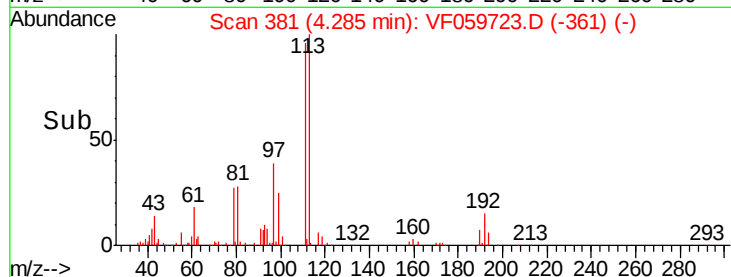
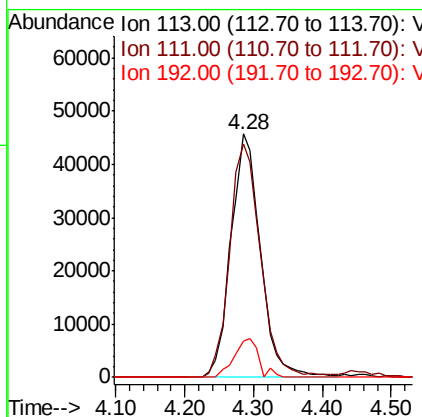
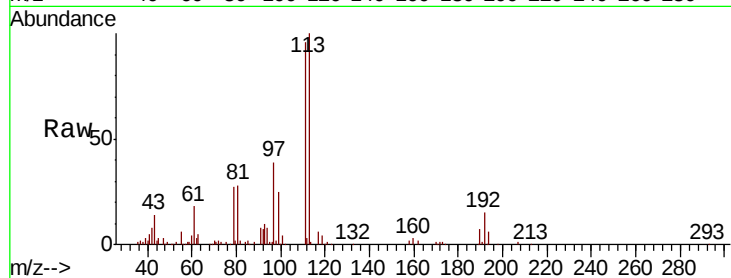
#35
 Dibromofluoromethane
 Concen: 55.189 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	135962		
111	95.1	79.0	118.4	
192	14.8	13.2	19.8	

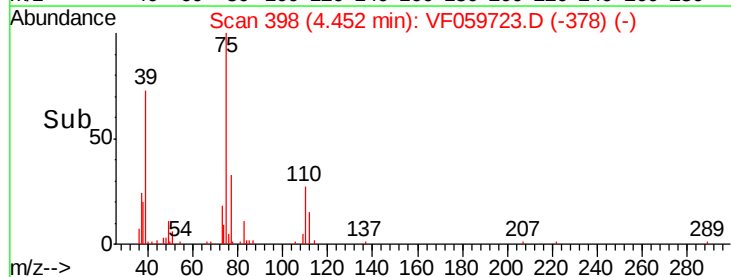
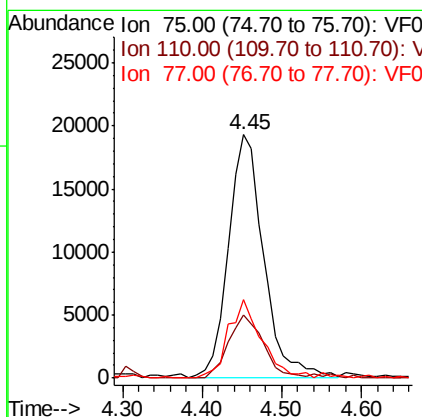
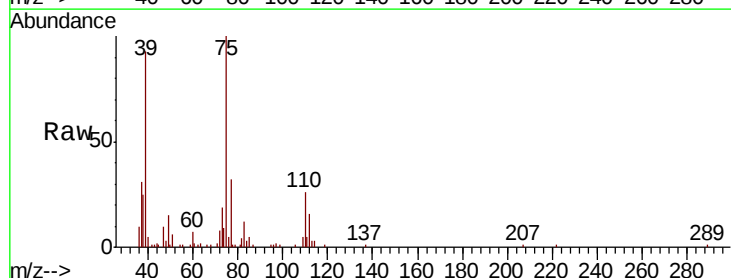
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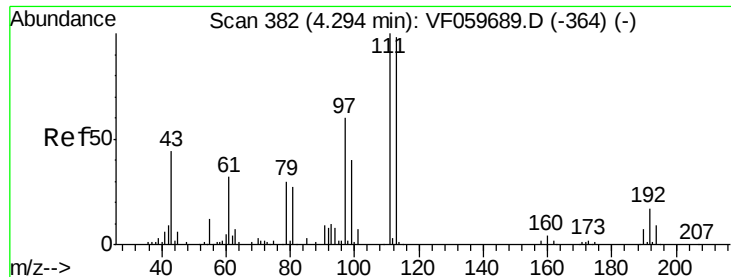
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#36
 1,1-Dichloropropene
 Concen: 22.740 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59777		
110	26.2	14.0	41.9	
77	32.1	24.2	36.2	





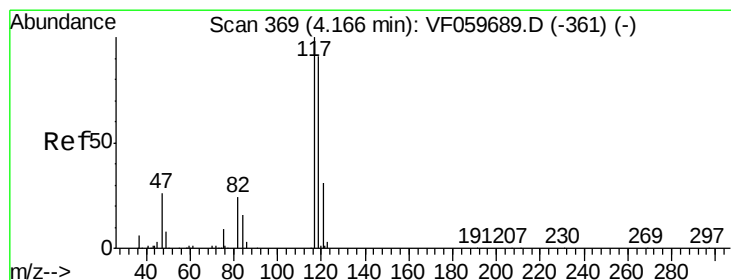
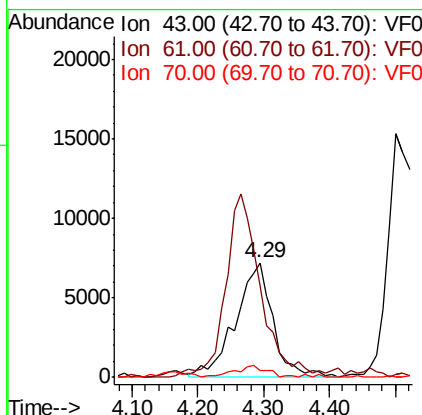
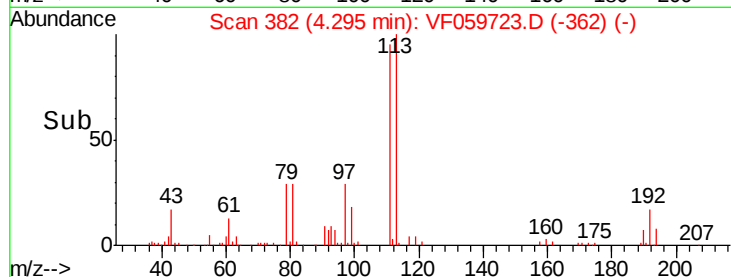
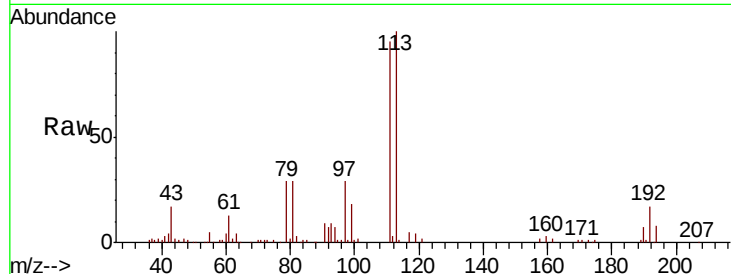
#37
Ethyl Acetate
Concen: 21.650 ug/l
RT: 4.29 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	79.5	58.2	87.2
70	5.7	6.0	9.0

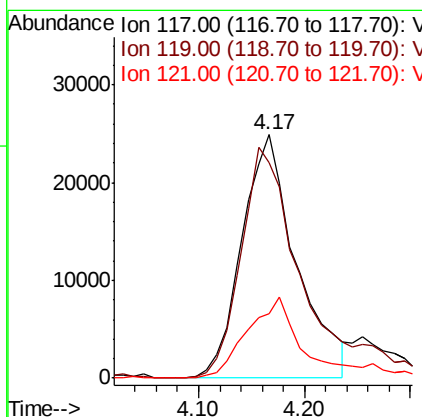
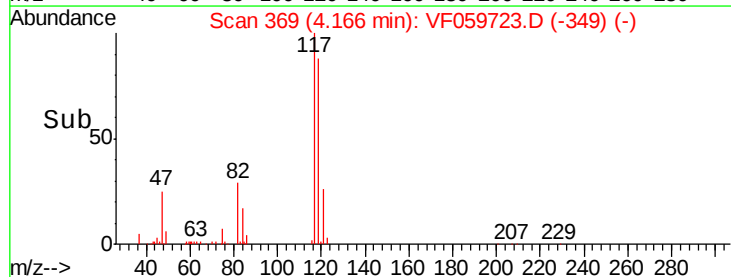
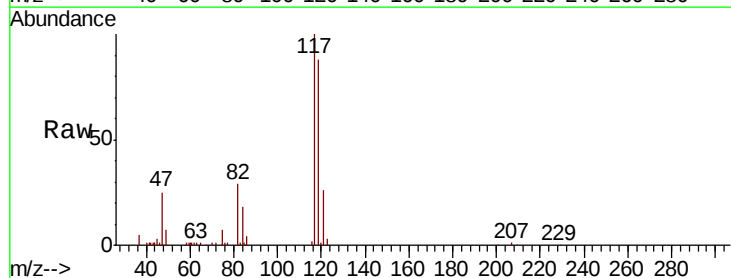
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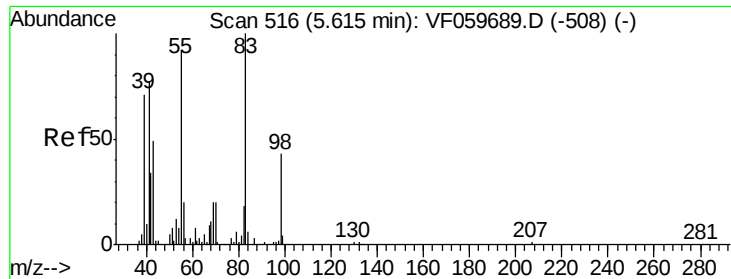
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#38
Carbon Tetrachloride
Concen: 23.620 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.4	72.9	109.3
121	26.3	25.0	37.4





#39

Methvlcvclohexane

Concen: 21.712 ug/l

RT: 5.63 min Scan# 517

Delta R.T. 0.01 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

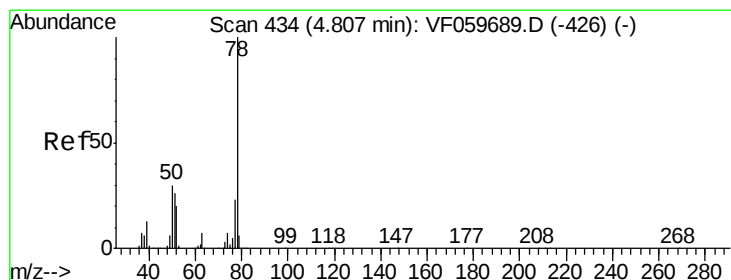
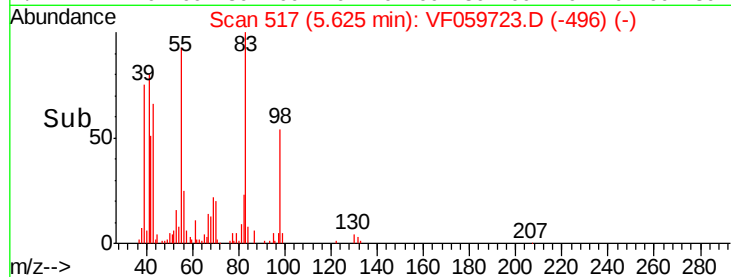
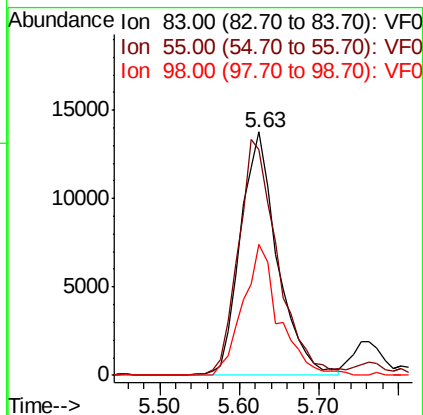
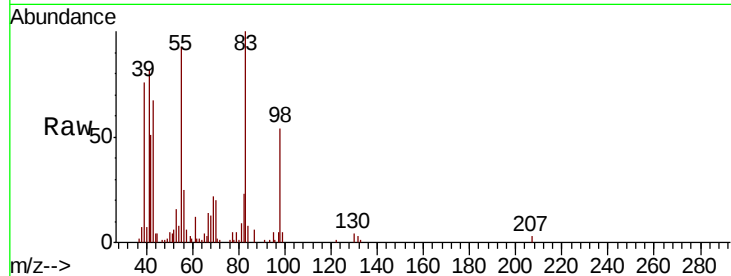
ClientSampleId :

VF0731SBS02

Tot Ion:	83	Resp:	44246
Ion	Ratio	Lower	Upper
83	100		
55	92.9	73.4	110.2
98	53.6	34.2	51.4#

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#40

Benzene

Concen: 22.007 ug/l

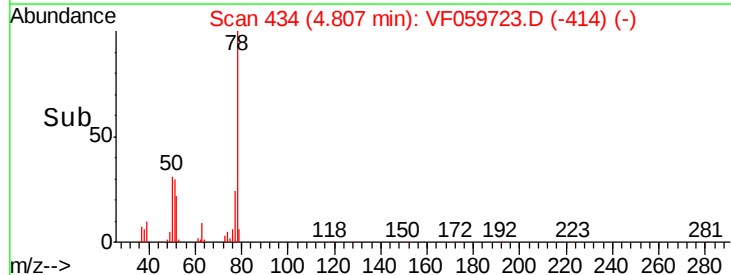
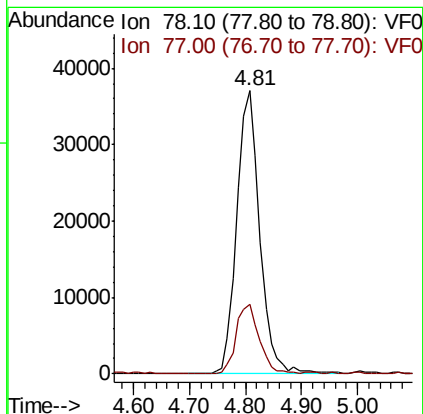
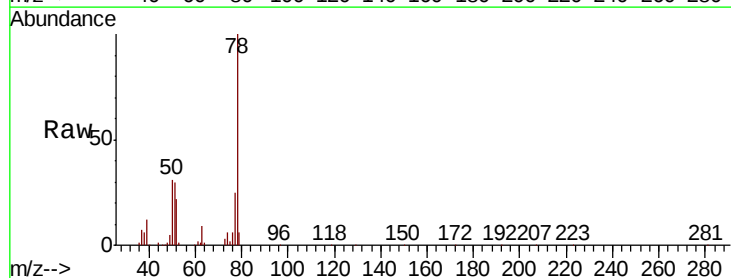
RT: 4.81 min Scan# 434

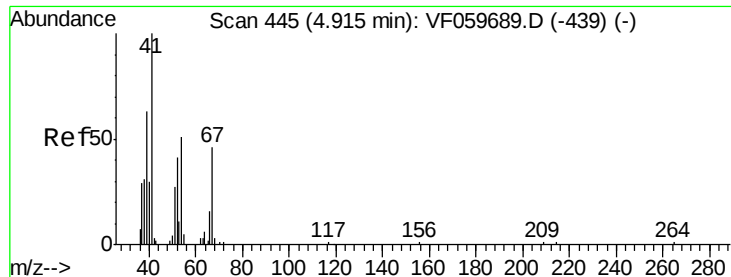
Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion:	78	Resp:	105413
Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.9	28.3





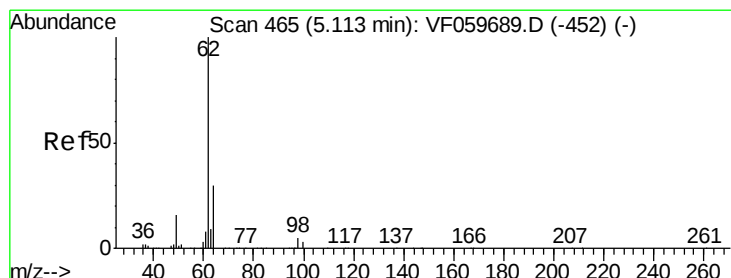
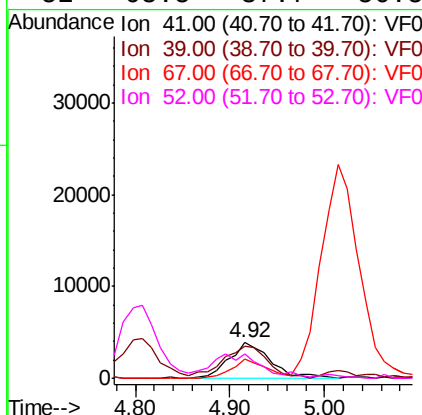
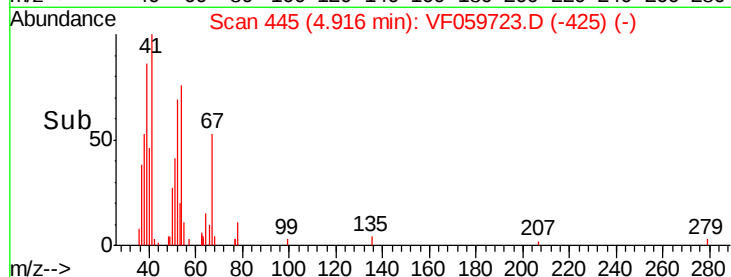
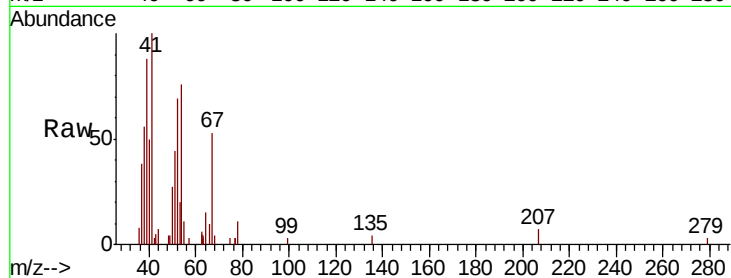
#41
Methacrylonitrile
Concen: 18.115 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		11886		
39	88.4	55.2	82.8#		
67	53.0	36.2	54.2		
52	68.5	37.7	56.5#		

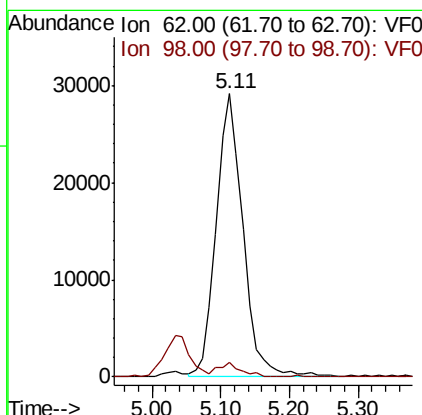
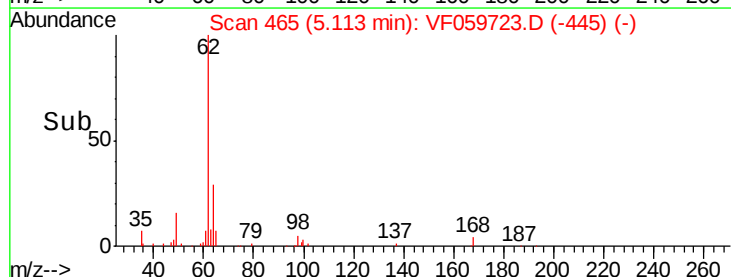
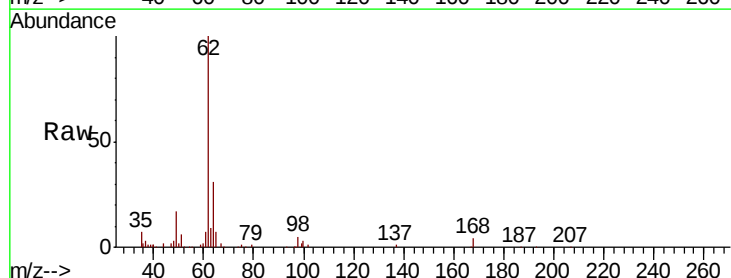
Manual Integrations
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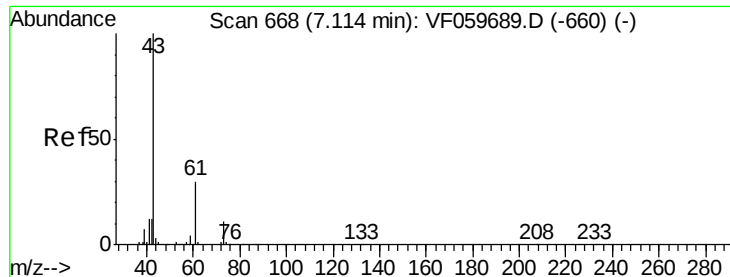
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#42
1,2-Dichloroethane
Concen: 23.426 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		78530		
98	5.0	0.0	9.6		





#43

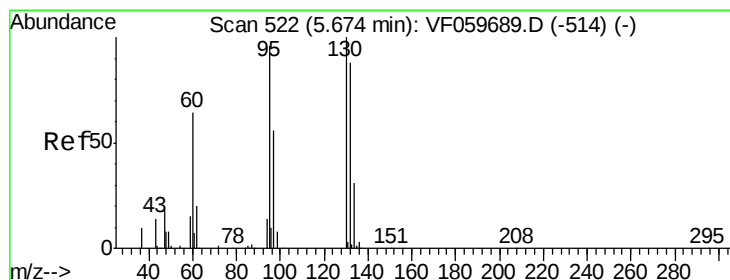
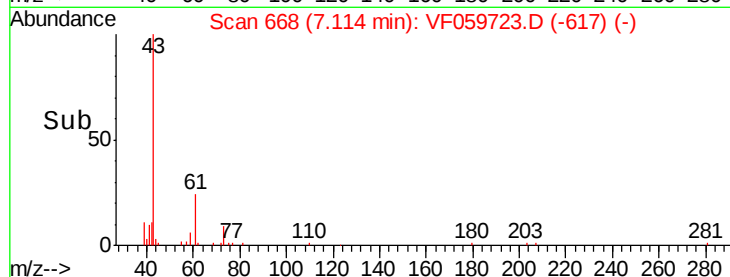
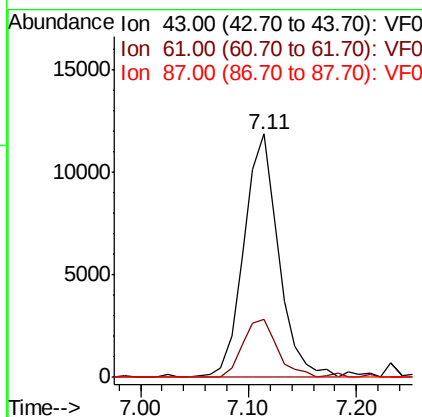
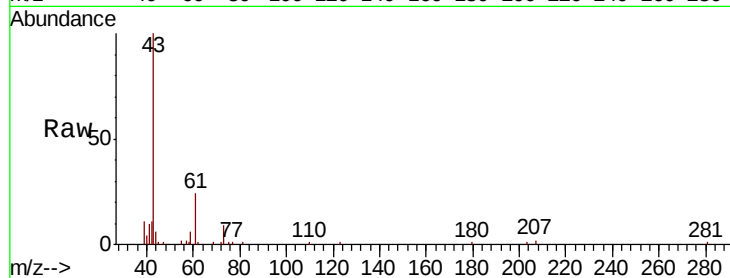
Isopropyl Acetate
 Concen: 18.794 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.7	23.8	35.8#
87	0.0	0.6	1.0#

Manual Integrations
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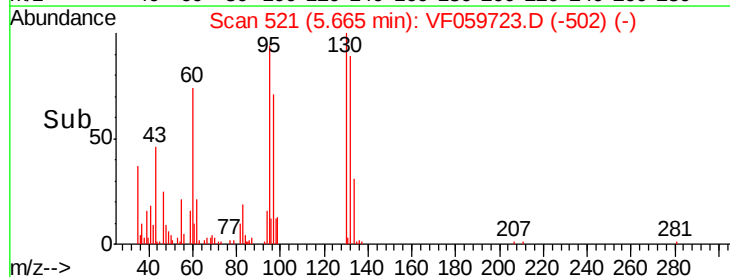
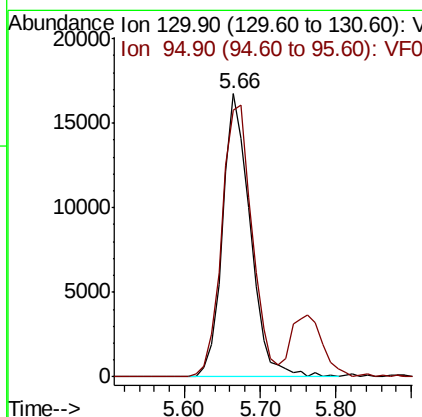
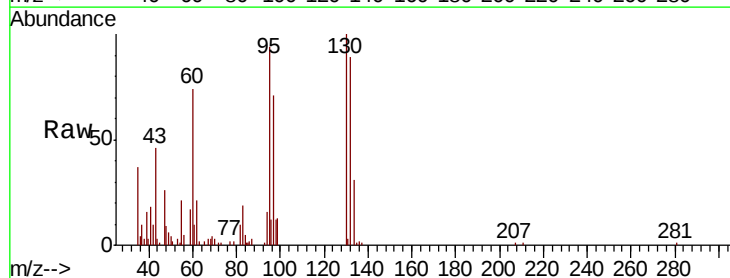
apatel
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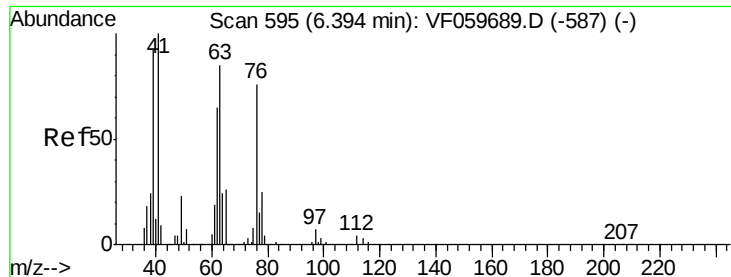


#44

Trichloroethene
 Concen: 23.447 ug/l
 RT: 5.66 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	191.0





#45

1,2-Dichloropropane

Concen: 21.509 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion: 63 Resp: 27209

Ion Ratio Lower Upper

63 100

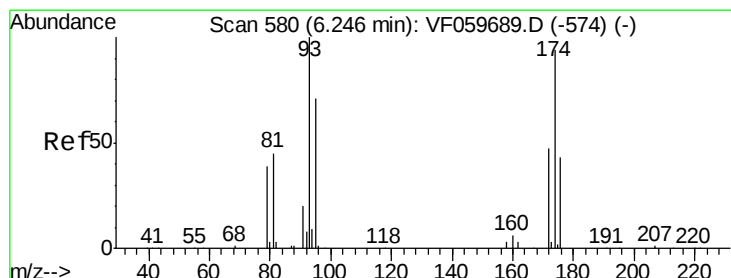
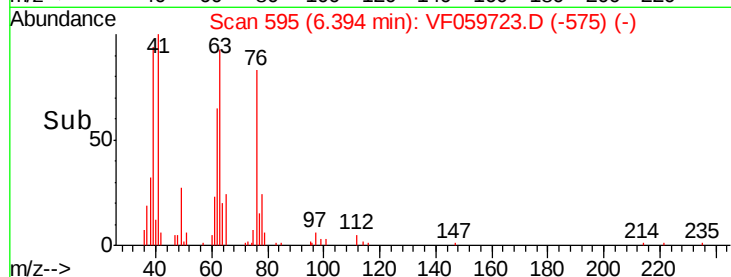
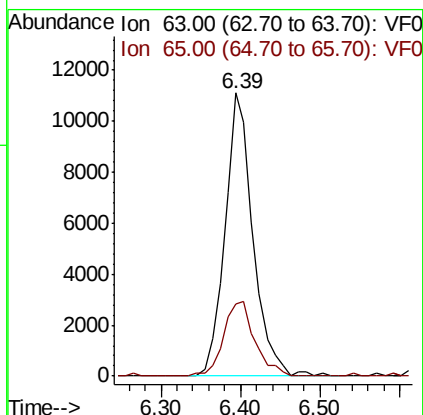
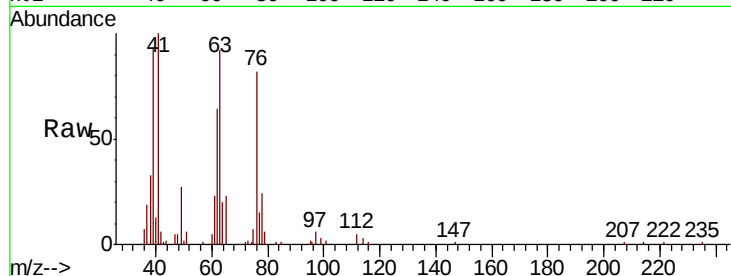
65 25.4 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 21.680 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

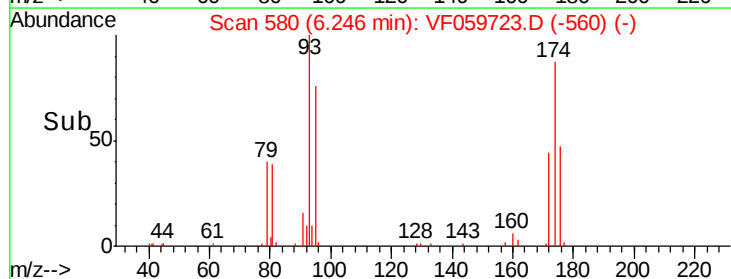
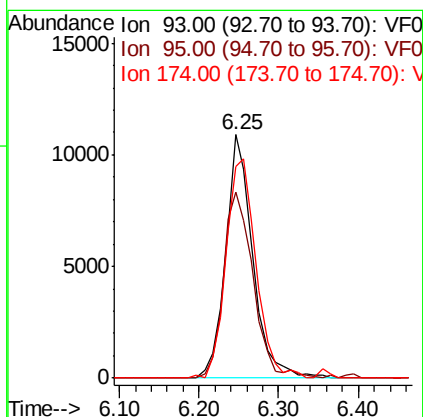
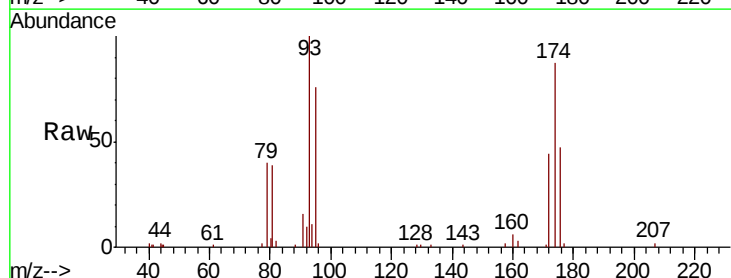
Tgt Ion: 93 Resp: 26037

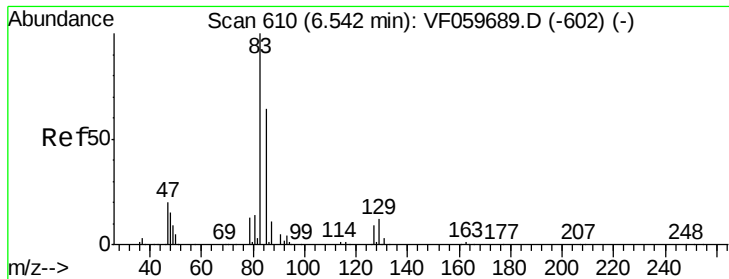
Ion Ratio Lower Upper

93 100

95 76.4 57.1 85.7

174 86.7 74.8 112.2





#47

Bromodichloromethane

Concen: 22.817 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

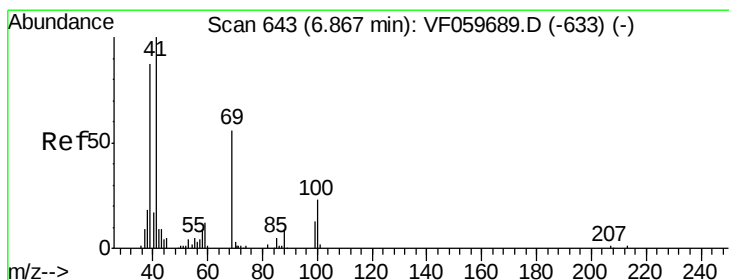
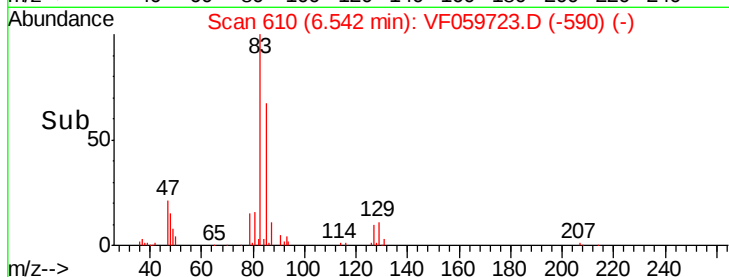
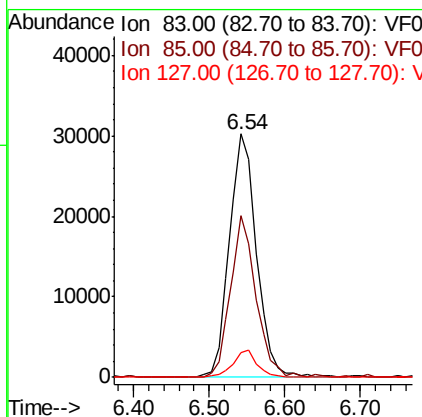
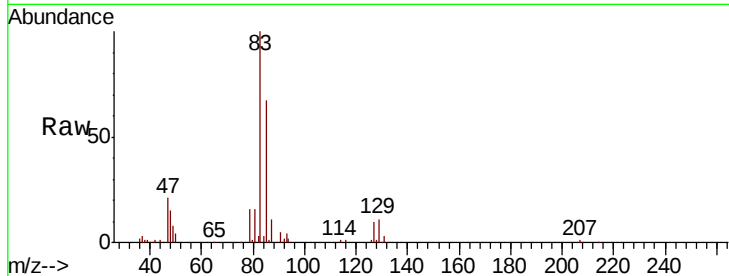
ClientSampleId :

VF0731SBS02

Tot Ion:	83	Resp:	74623
Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.0	76.6
127	10.2	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.462 ug/l

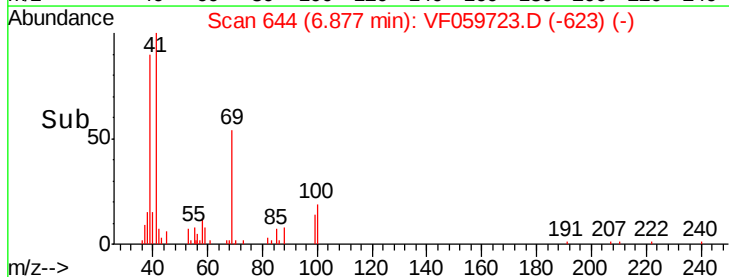
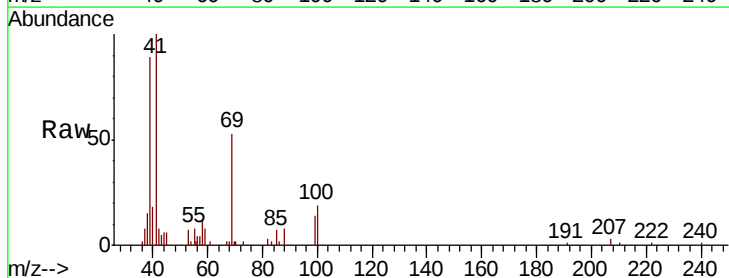
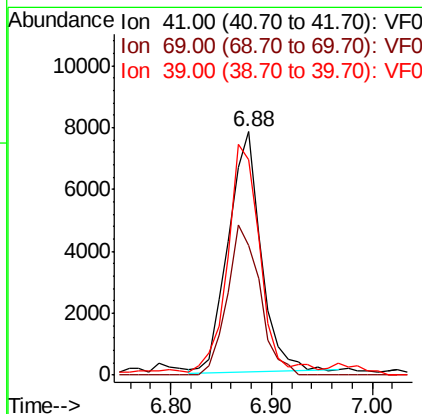
RT: 6.88 min Scan# 644

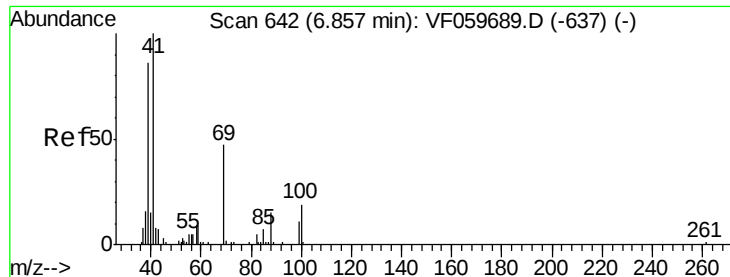
Delta R.T. 0.01 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion:	41	Resp:	17562
Ion	Ratio	Lower	Upper
41	100		
69	53.0	44.4	66.6
39	88.6	69.4	104.2





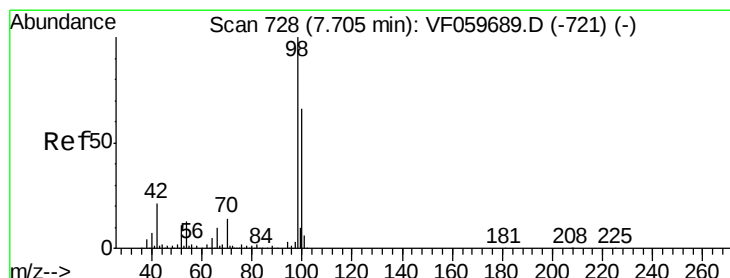
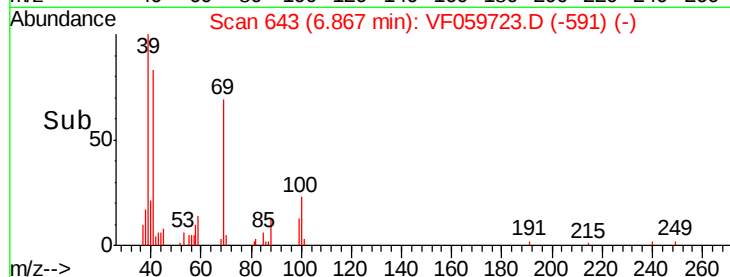
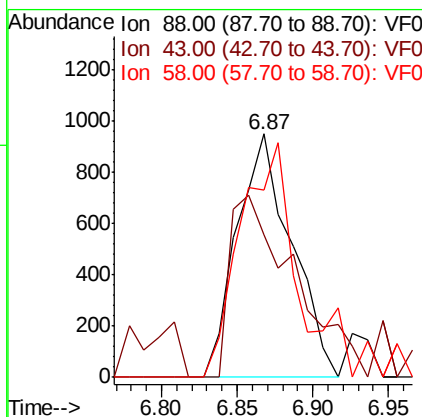
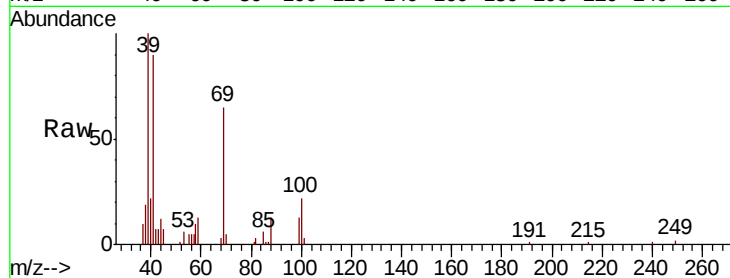
#49
1,4-Dioxane
Concen: 310.638 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	58.7	45.2	67.8
58	76.7	49.0	73.6

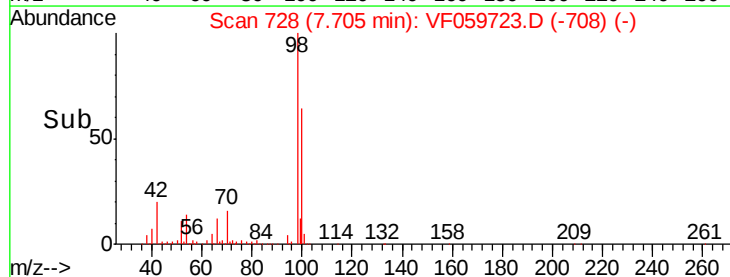
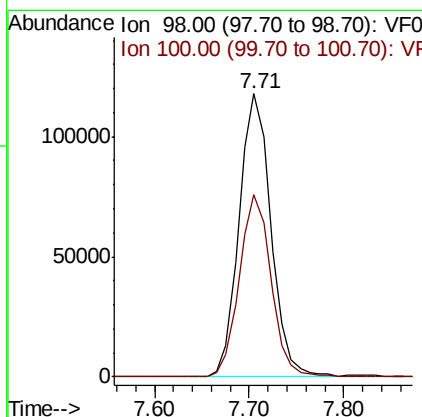
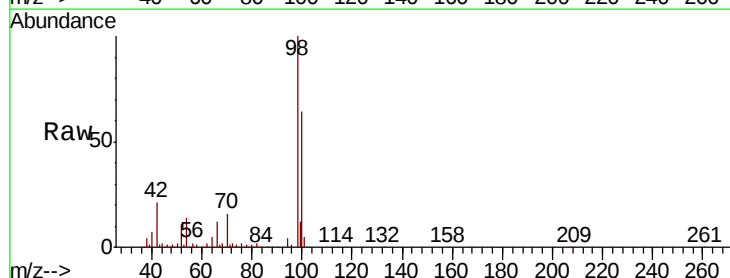
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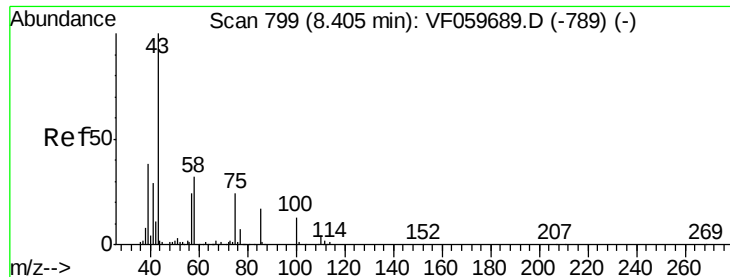
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#50
Toluene-d8
Concen: 47.899 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 98.525 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion: 43 Resp: 106298

Ion Ratio Lower Upper

43 100

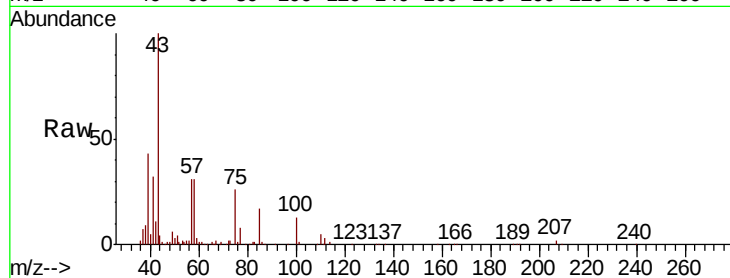
58 30.7 25.9 38.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

50000

40000

30000

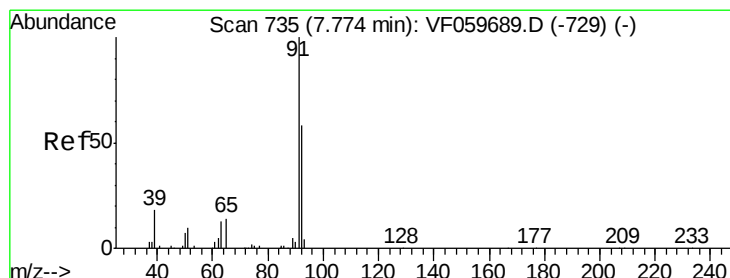
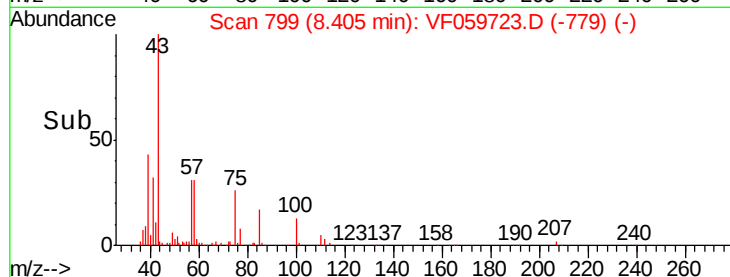
20000

10000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 22.846 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059723.D

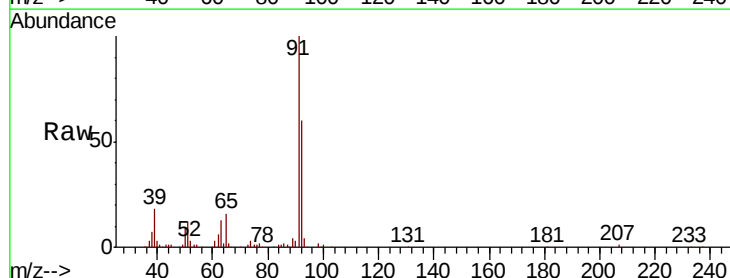
Acq: 31 Jul 2018 21:40

Tgt Ion: 92 Resp: 77422

Ion Ratio Lower Upper

92 100

91 166.2 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

60000

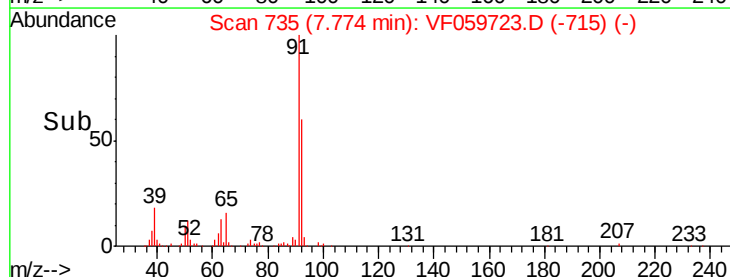
40000

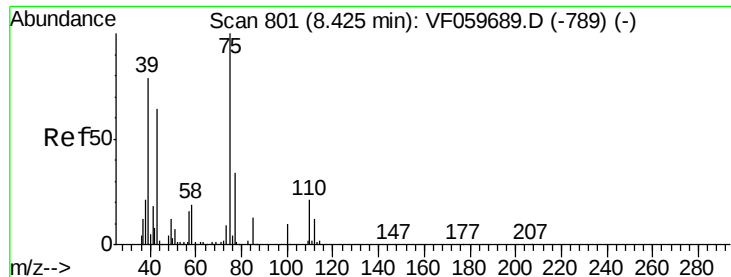
20000

0

7.70 7.80 7.90

Time-->





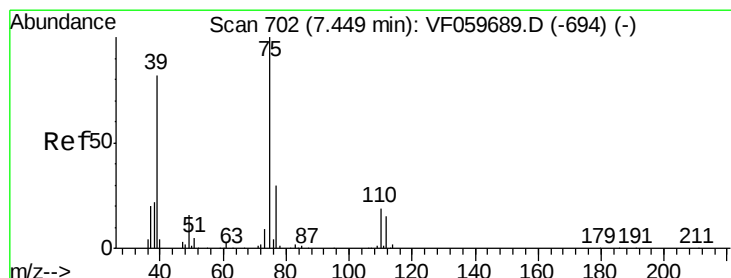
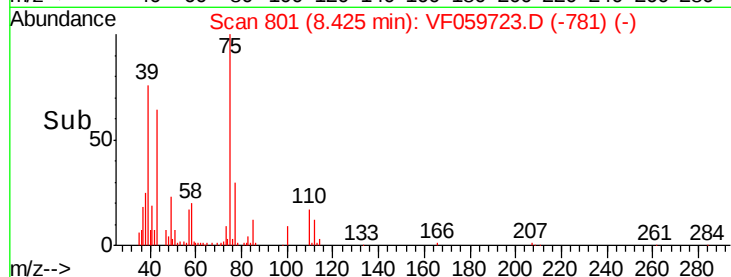
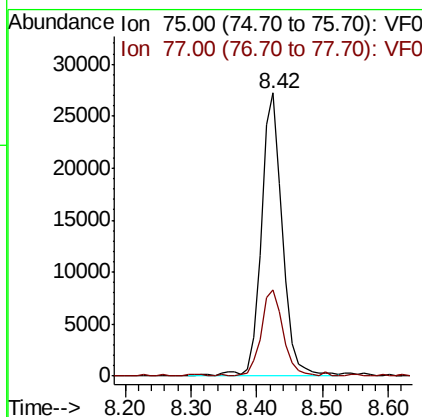
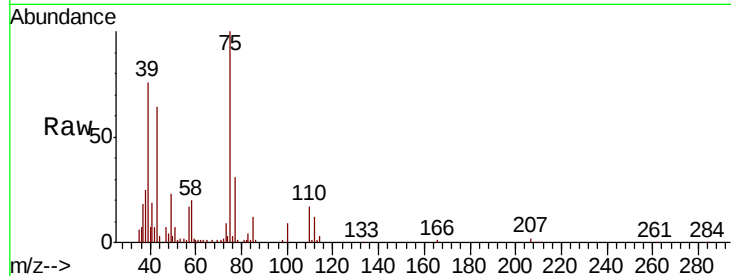
#53
t-1,3-Dichloropropene
Concen: 21.465 ug/l
RT: 8.42 min Scan# 801
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	27.0	40.4

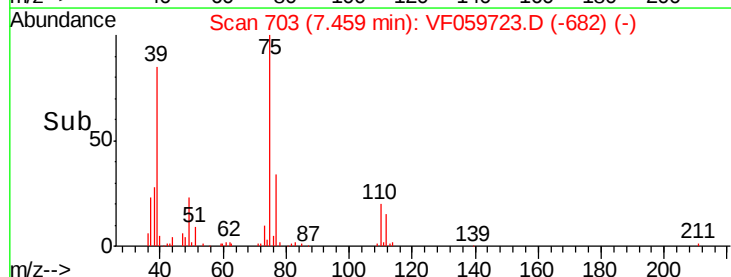
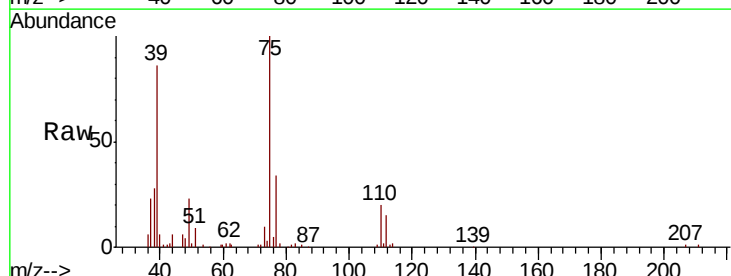
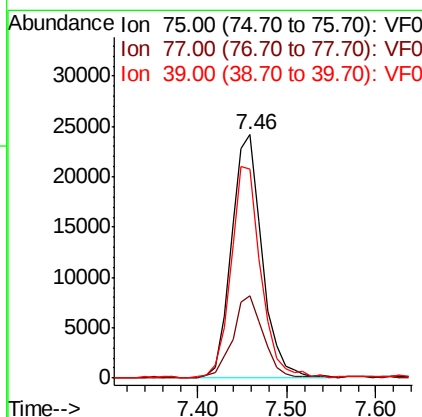
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#54
cis-1,3-Dichloropropene
Concen: 21.151 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.9	24.0	36.0
39	85.9	65.4	98.2





#55

1,1,2-Trichloroethane

Concen: 19.579 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

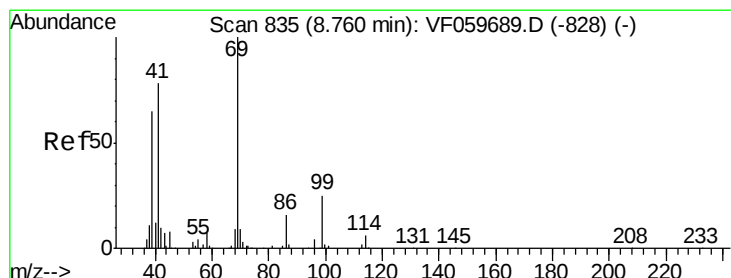
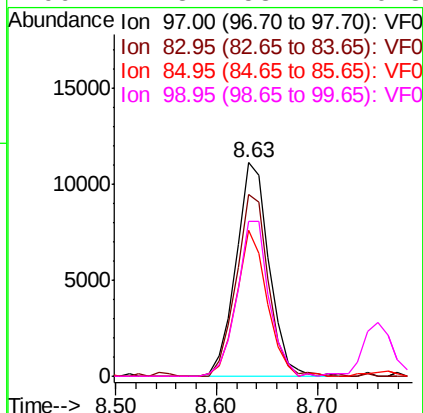
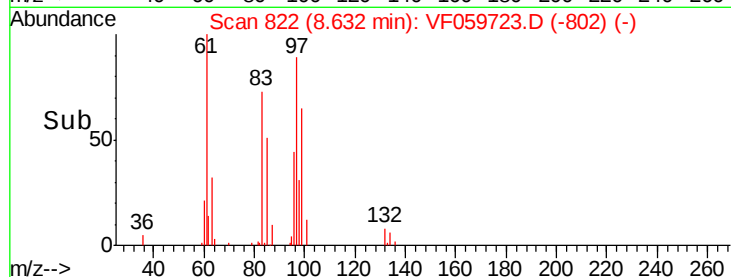
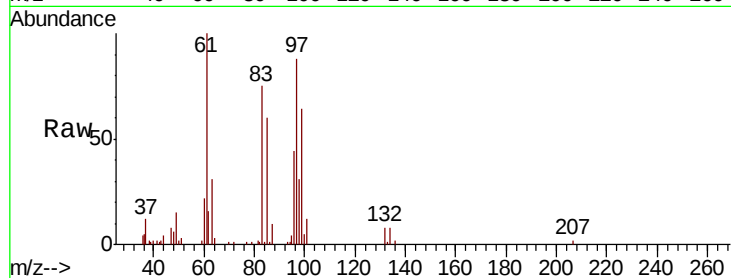
ClientSampleId :

VF0731SBS02

Tot Ion:	97	Resp:	25399
Ion	Ratio	Lower	Upper
97	100		
83	85.3	66.6	100.0
85	68.0	47.4	71.0
99	72.8	53.2	79.8

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#56

Ethyl methacrylate

Concen: 17.454 ug/l

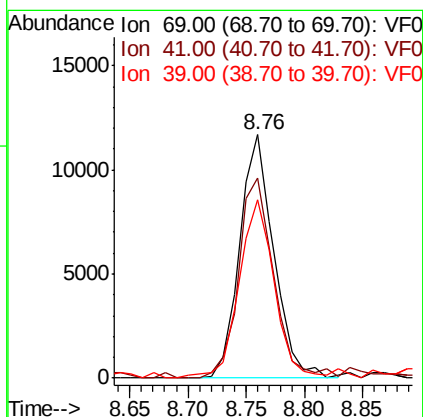
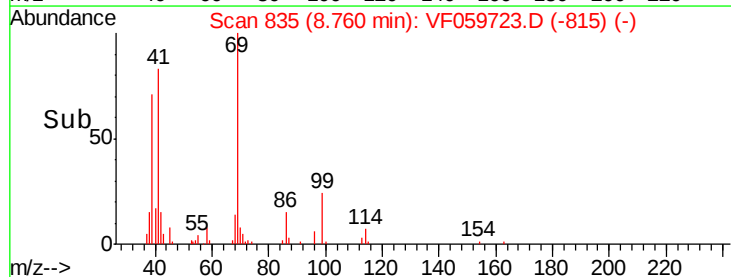
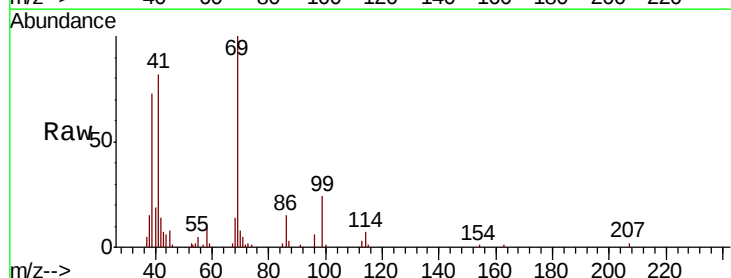
RT: 8.76 min Scan# 835

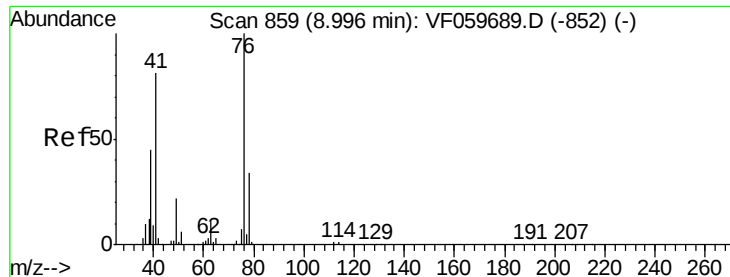
Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion:	69	Resp:	23614
Ion	Ratio	Lower	Upper
69	100		
41	82.3	62.3	93.5
39	73.0	52.4	78.6





#57

1,3-Dichloropropane

Concen: 21.607 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion: 76 Resp: 48087

Ion Ratio Lower Upper

76 100

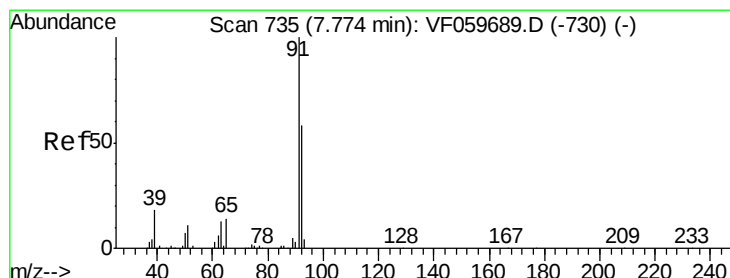
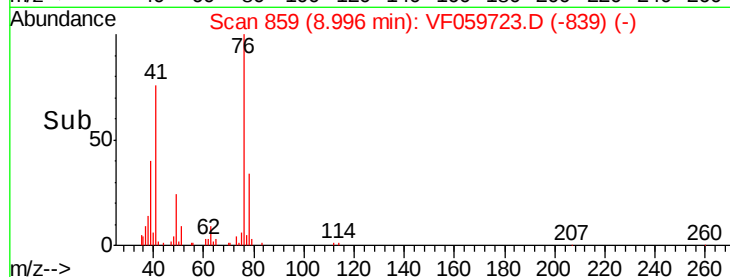
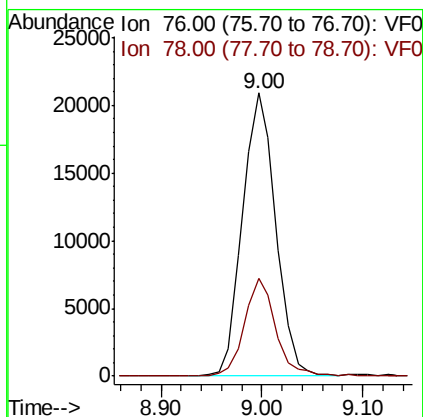
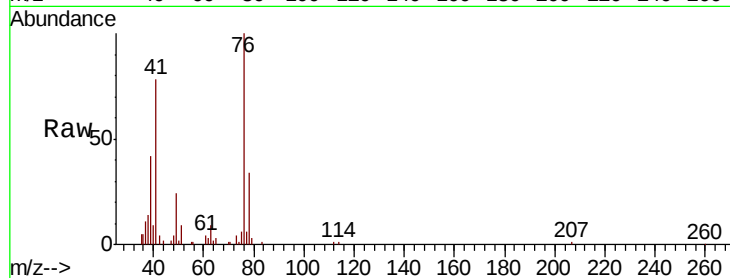
78 34.4 27.2 40.8

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#58

2-Chloroethyl Vinyl ether

Concen: 120.938 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059723.D

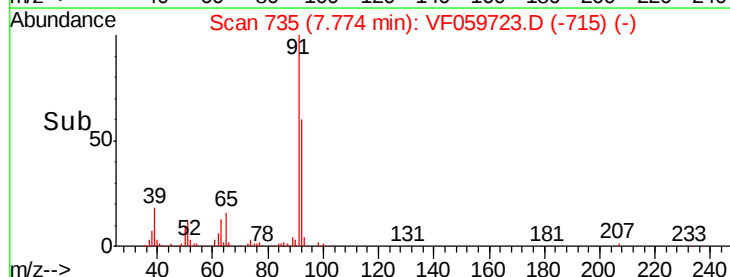
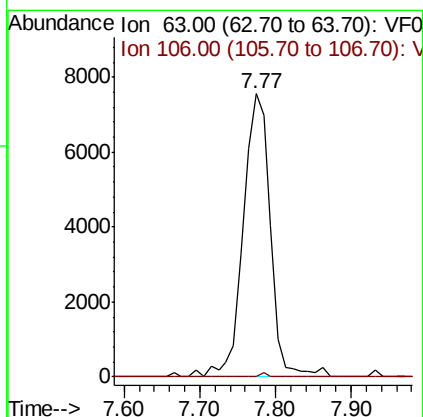
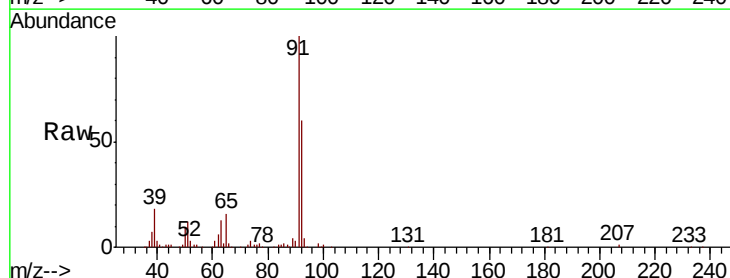
Acq: 31 Jul 2018 21:40

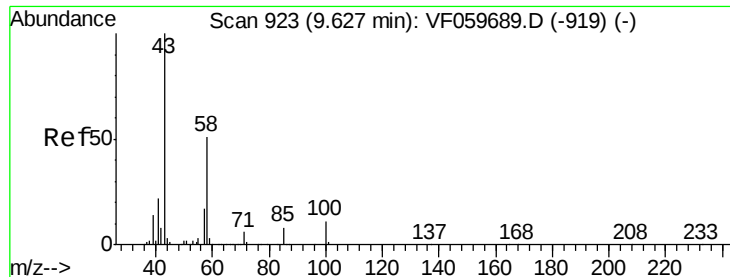
Tgt Ion: 63 Resp: 18891

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





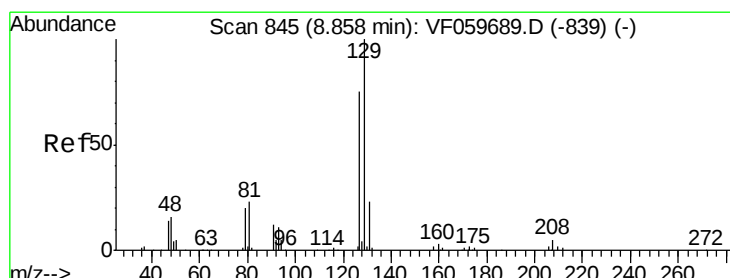
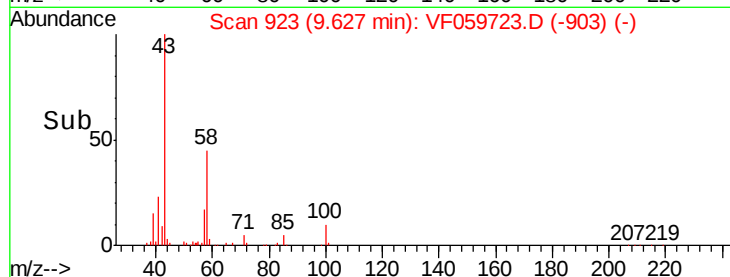
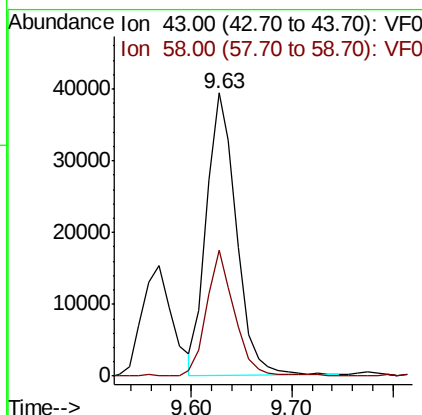
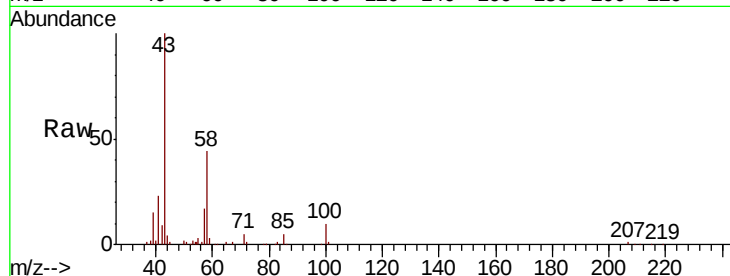
#59
2-Hexanone
Concen: 94.048 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.4	23.3	69.8

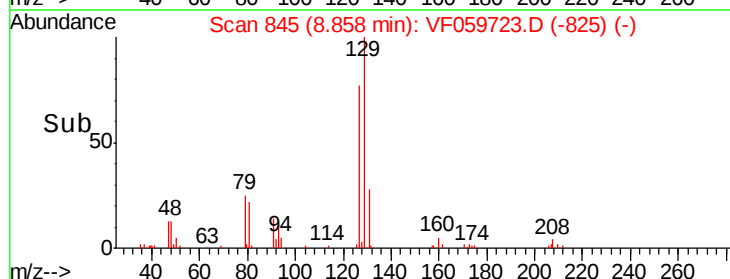
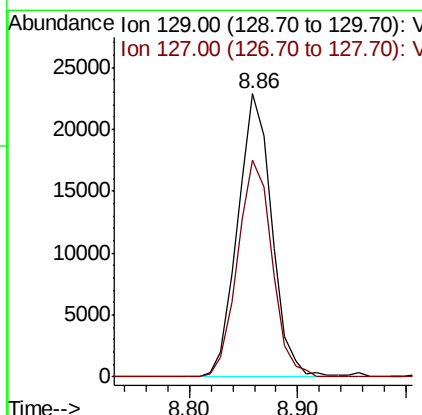
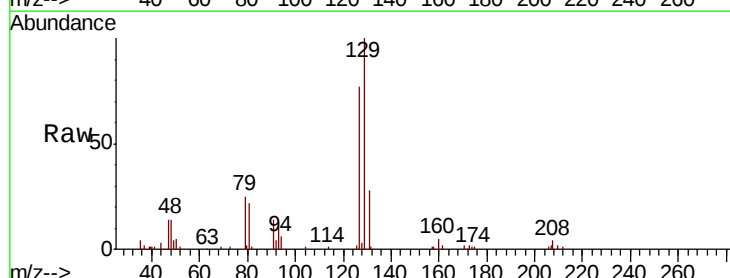
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#60
Dibromochloromethane
Concen: 21.881 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	37.7	113.1





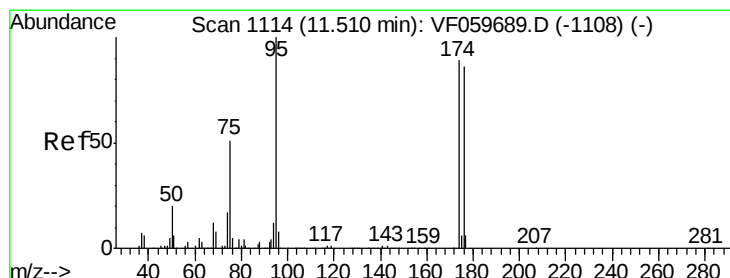
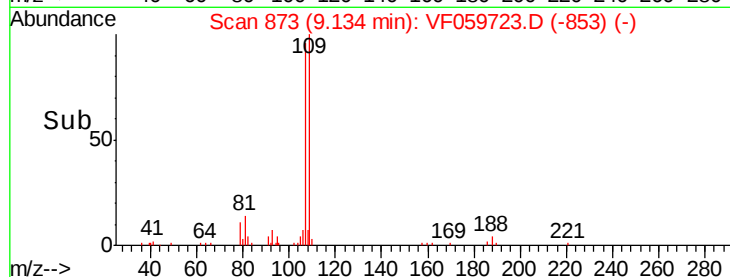
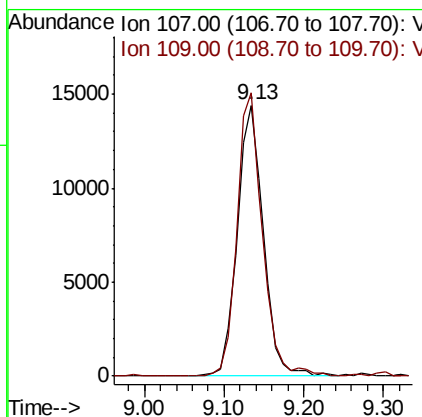
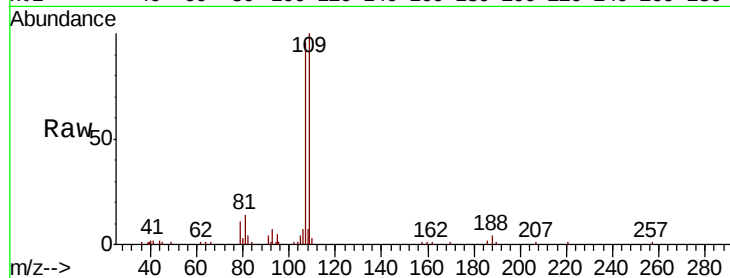
#61
 1,2-Dibromoethane
 Concen: 21.499 ug/l
 RT: 9.13 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	104.4	73.6	110.4

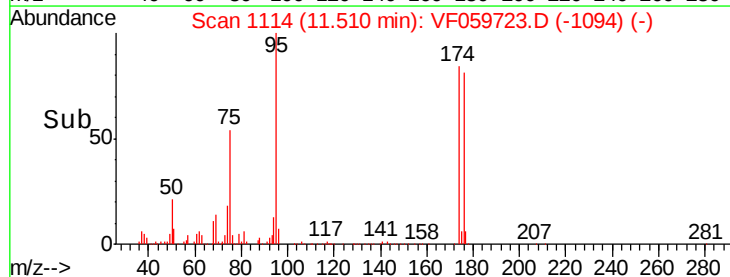
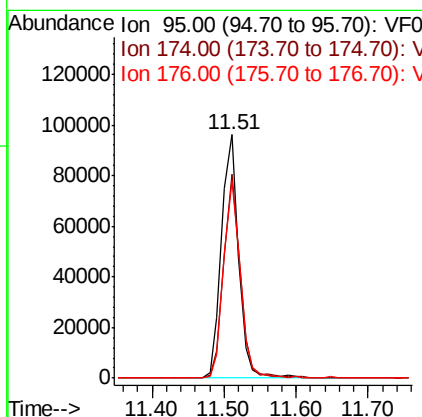
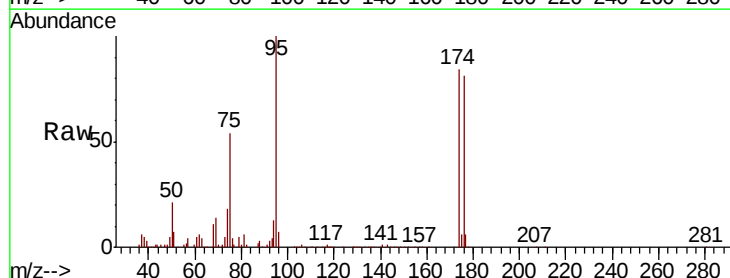
Manual Integrations
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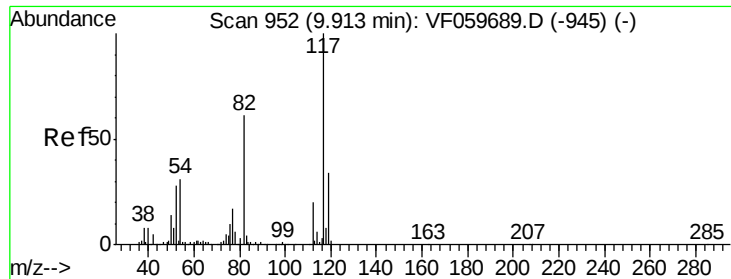
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#62
 4-Bromofluorobenzene
 Concen: 49.860 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	178.4
176	80.9	0.0	173.0





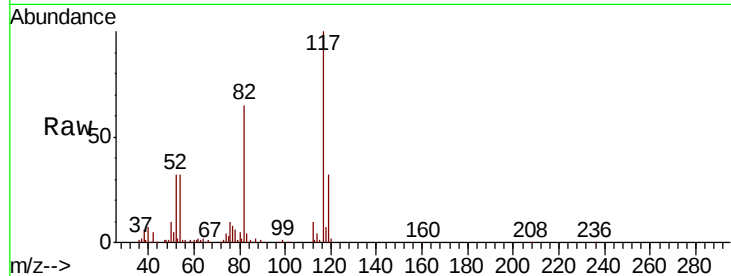
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.5	49.0	73.4
119	32.4	27.3	40.9

Manual Integrations
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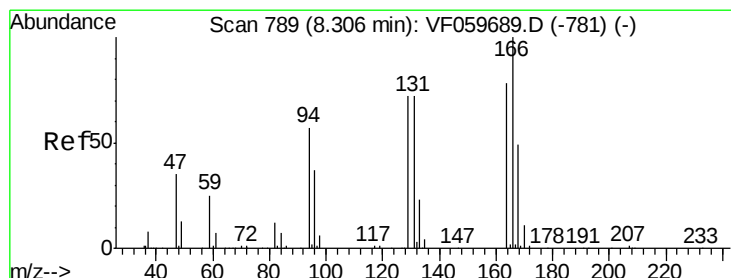
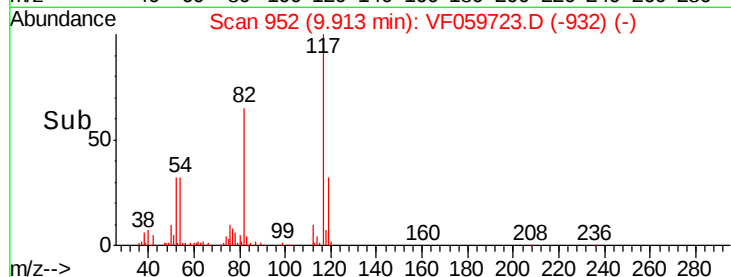
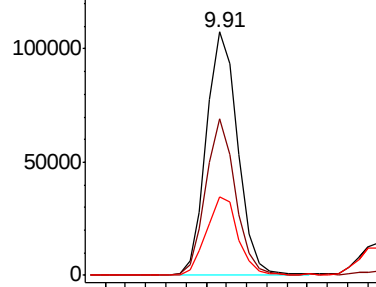


Abundance

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: 24.758 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	102.1	153.1
129	99.0	73.8	110.6
131	100.3	73.1	109.7

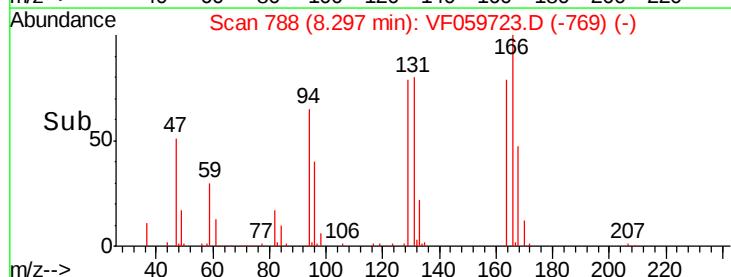
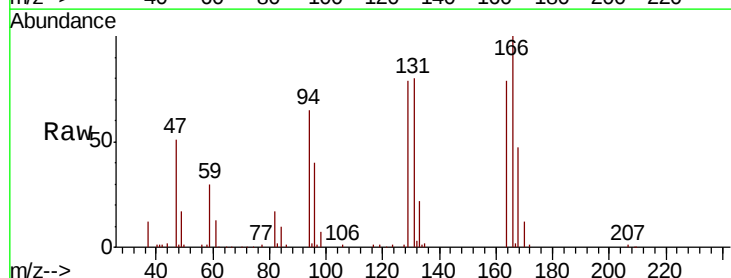
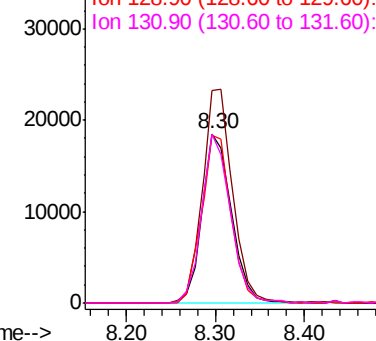
Abundance

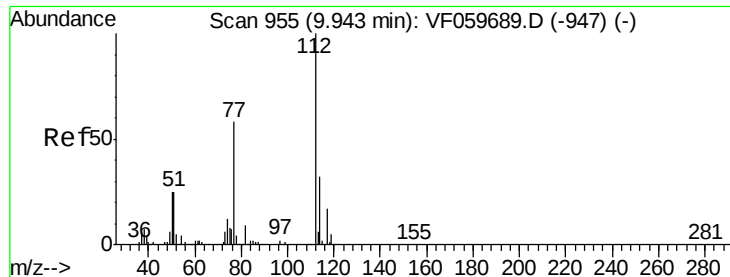
Ion 163.85 (163.55 to 164.55): V

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





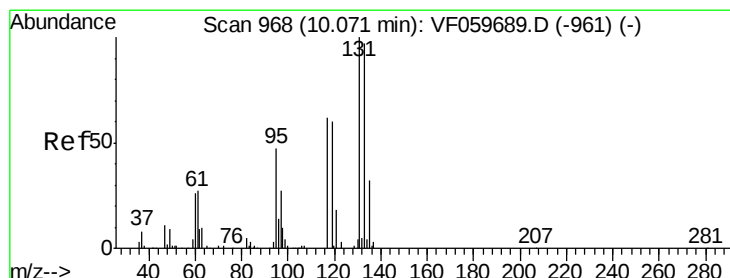
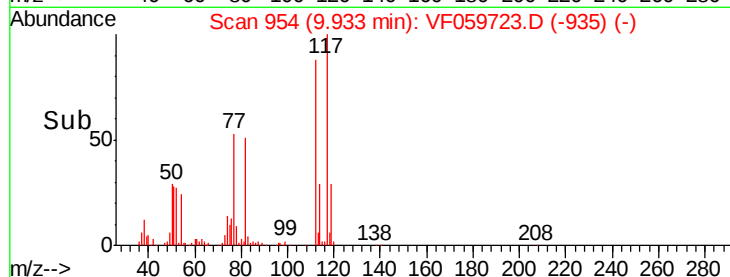
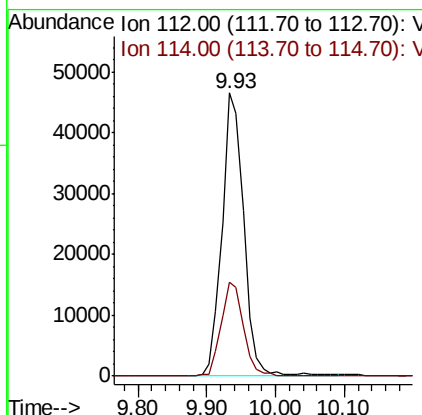
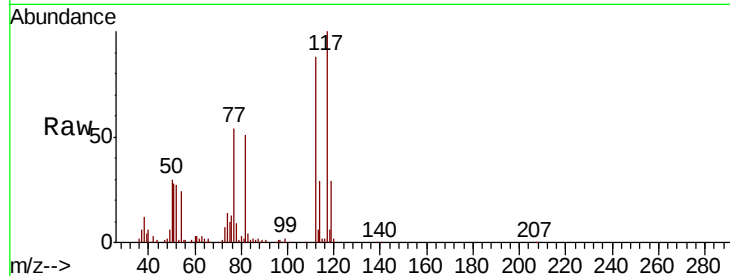
#65
Chlorobenzene
Concen: 21.718 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

Tot Ion:112 Resp: 101925
Ion Ratio Lower Upper
112 100
114 33.3 25.6 38.4

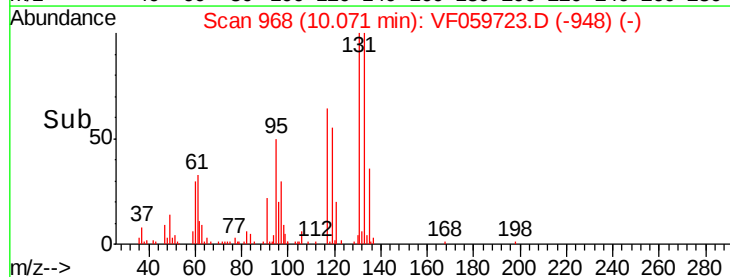
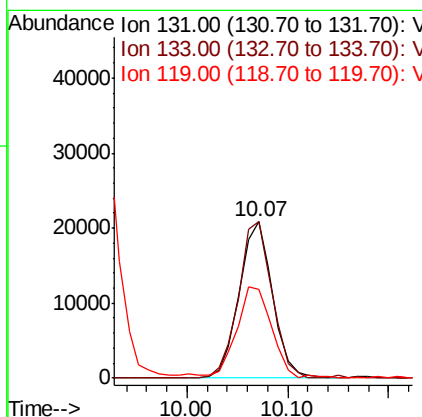
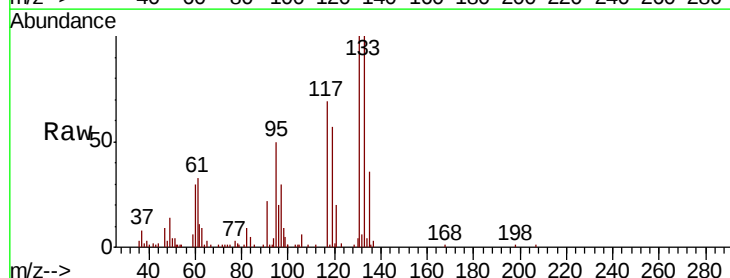
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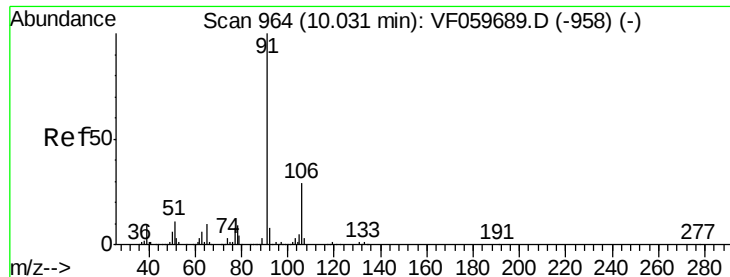
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.863 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion:131 Resp: 47903
Ion Ratio Lower Upper
131 100
133 100.0 48.5 145.5
119 56.8 30.3 90.8





#67

Ethyl Benzene

Concen: 22.688 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion: 91 Resp: 184223

Ion Ratio Lower Upper

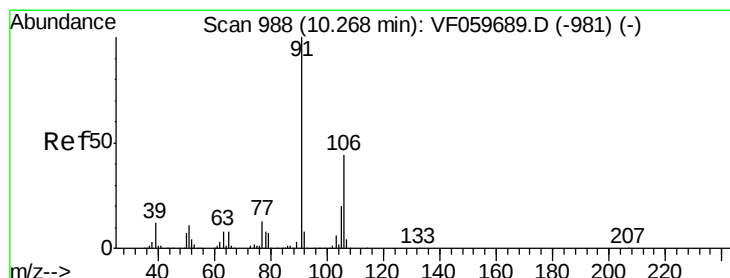
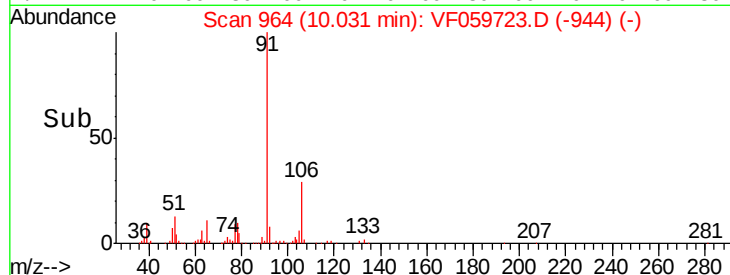
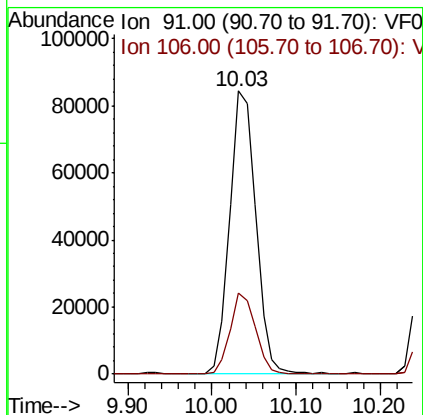
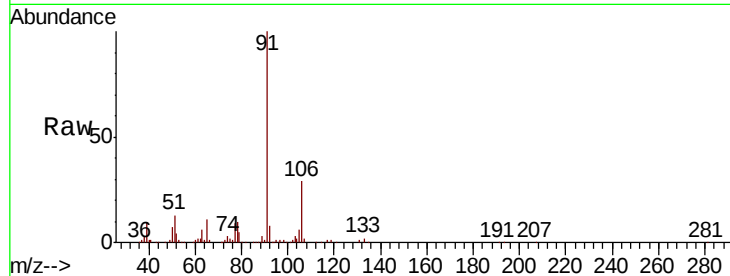
91 100

106 28.8 22.9 34.3

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#68

m/p-Xylenes

Concen: 46.133 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059723.D

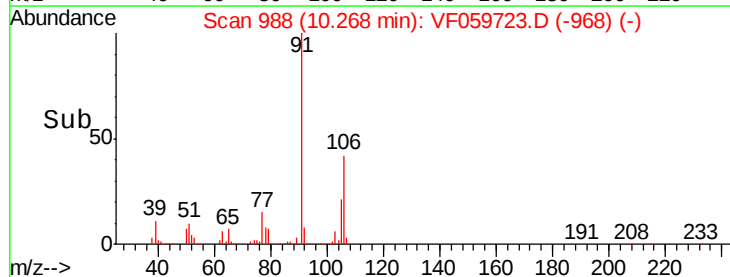
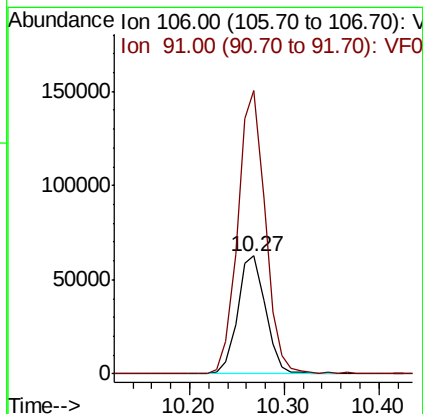
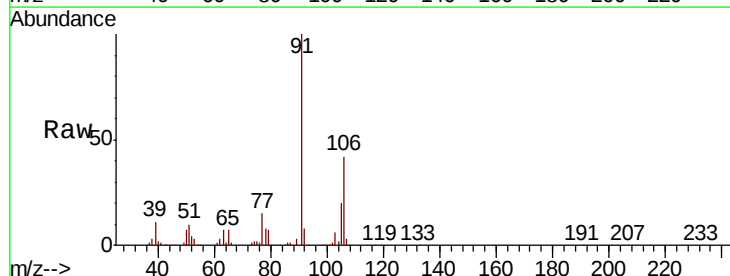
Acq: 31 Jul 2018 21:40

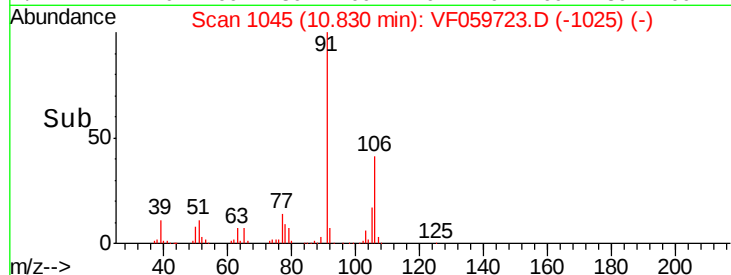
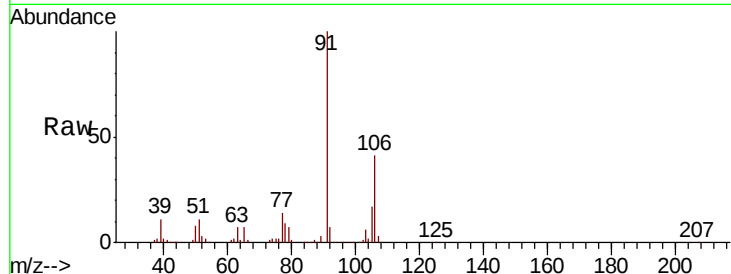
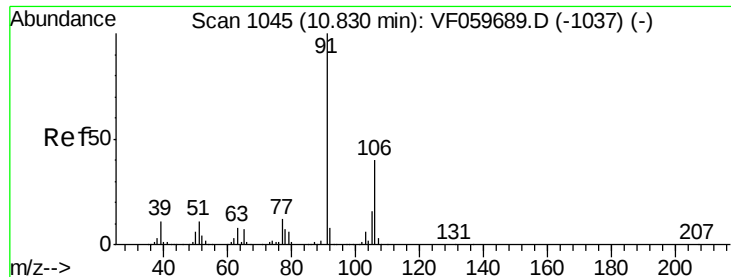
Tgt Ion: 106 Resp: 127813

Ion Ratio Lower Upper

106 100

91 240.4 181.7 272.5





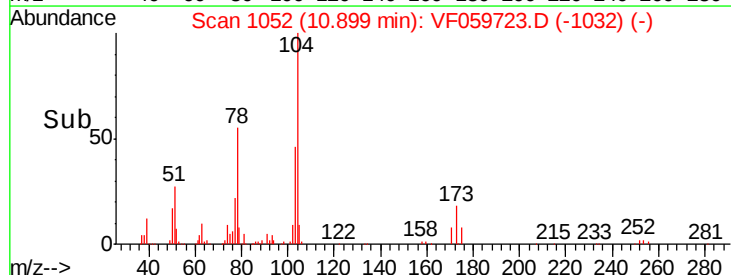
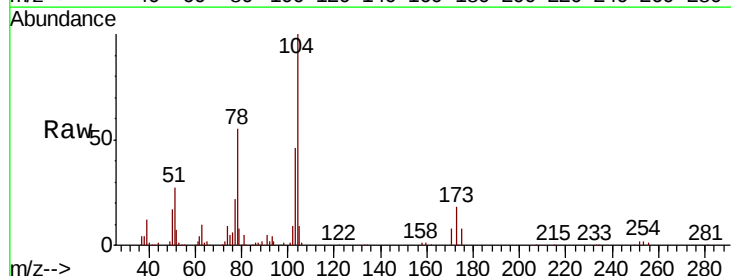
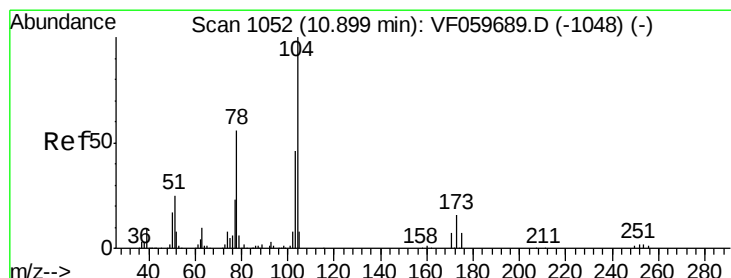
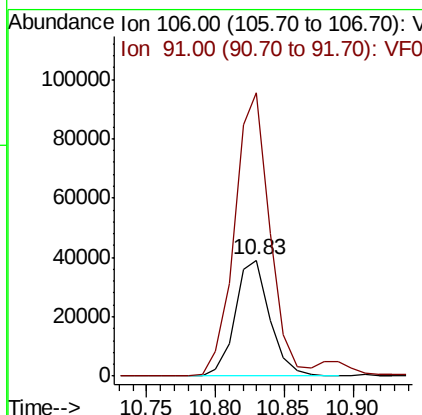
#69
o-Xylene
Concen: 23.031 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleID :
VF0731SBS02

Tot Ion:106 Resp: 68907
Ion Ratio Lower Upper
106 100
91 244.4 124.6 373.7

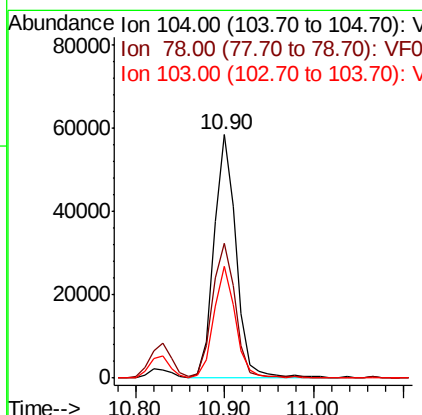
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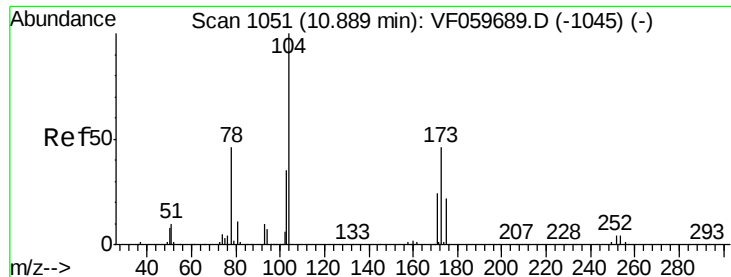
apatel
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#70
Styrene
Concen: 22.146 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion:104 Resp: 100377
Ion Ratio Lower Upper
104 100
78 55.5 45.3 67.9
103 46.1 36.6 54.8





#71

Bromoform

Concen: 21.959 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

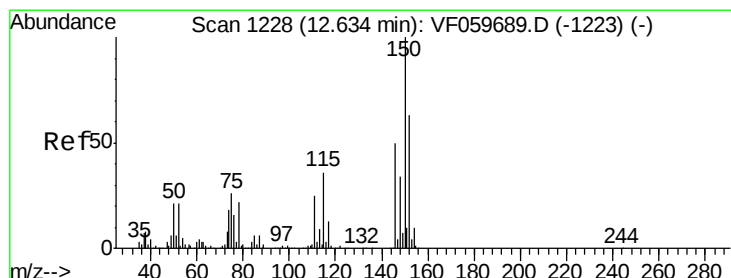
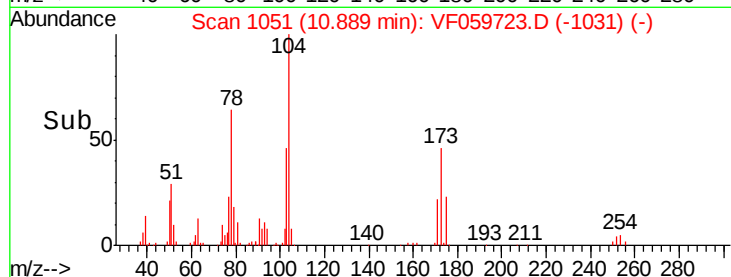
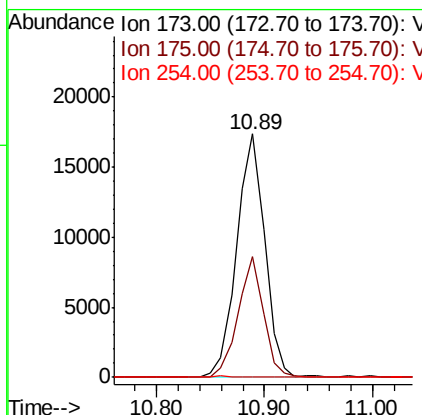
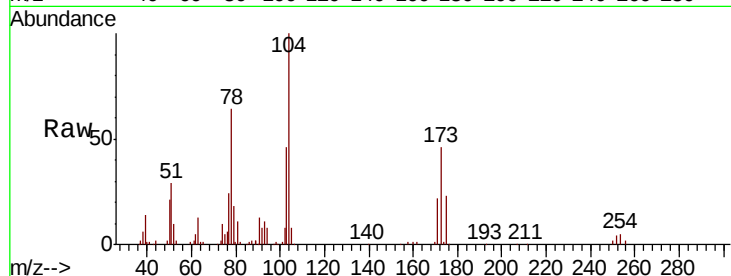
ClientSampleId :

VF0731SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.4	70.0
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

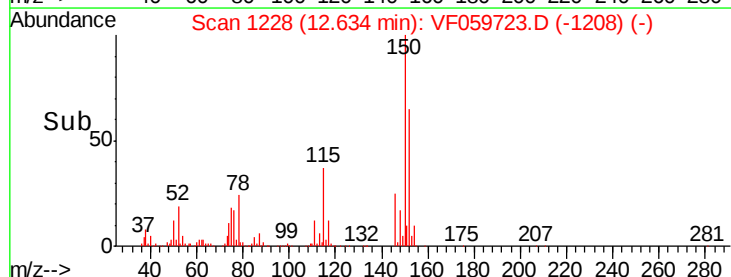
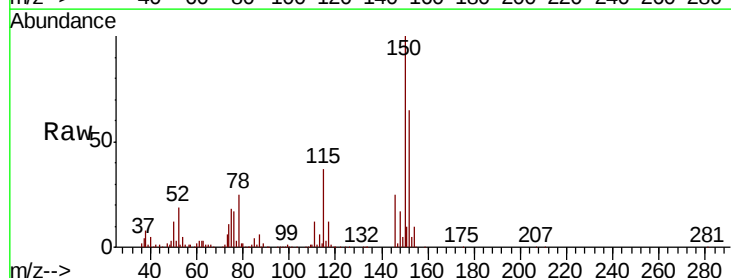
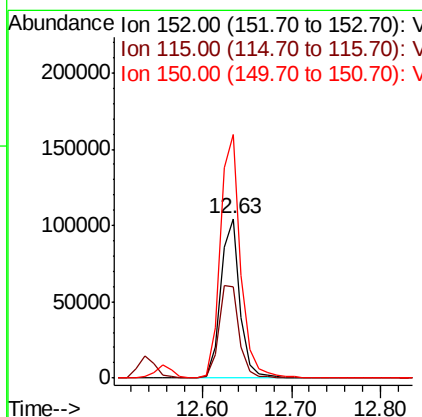
RT: 12.63 min Scan# 1228

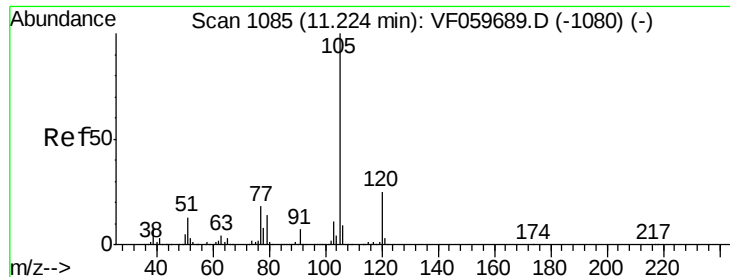
Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.2	84.6
150	153.0	0.0	316.2





#73

Isopropylbenzene

Concen: 21.934 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion:105 Resp: 227394

Ion Ratio Lower Upper

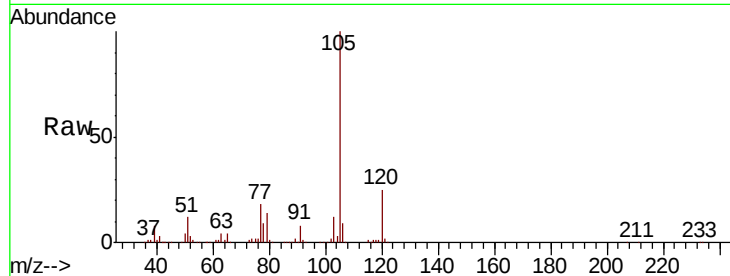
105 100

120 24.6 12.4 37.4

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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

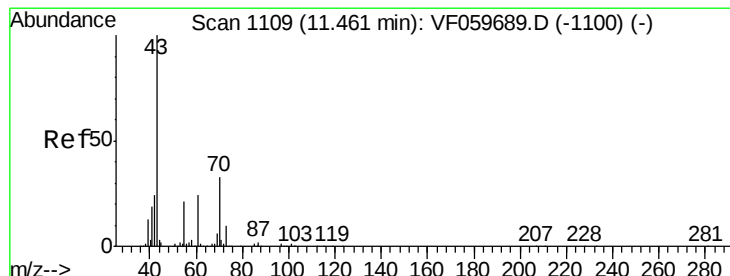
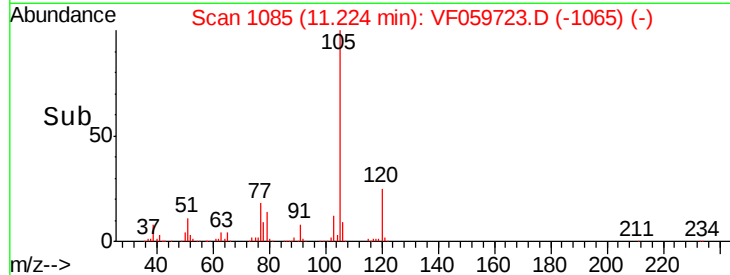
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 18.765 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion: 43 Resp: 49079

Ion Ratio Lower Upper

43 100

70 31.3 26.3 39.5

55 19.6 16.6 25.0

61 22.9 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

50000

40000

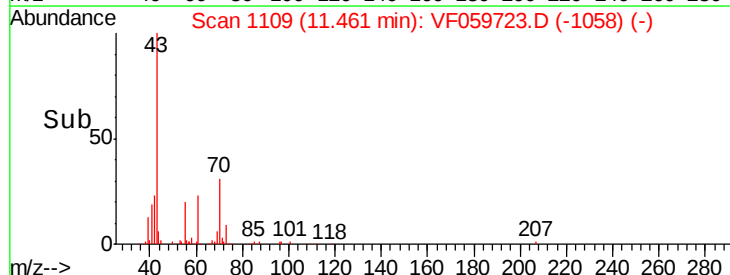
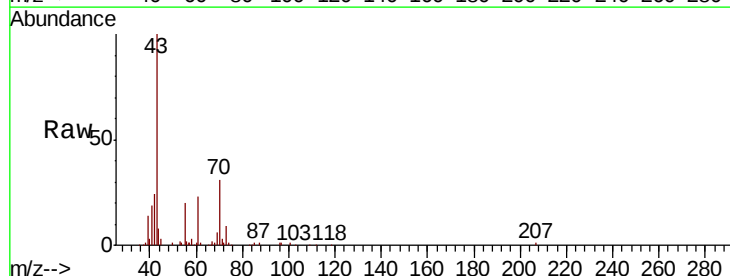
30000

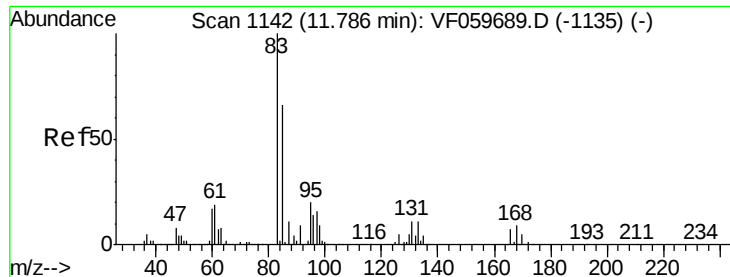
20000

10000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 20.462 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

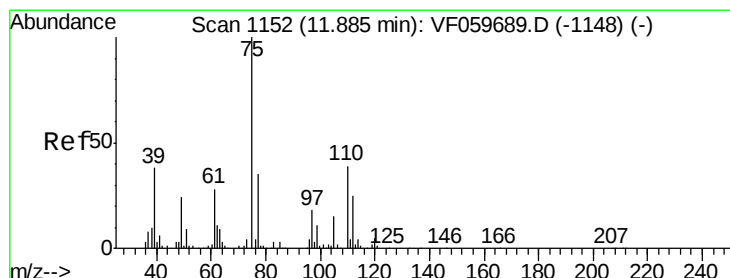
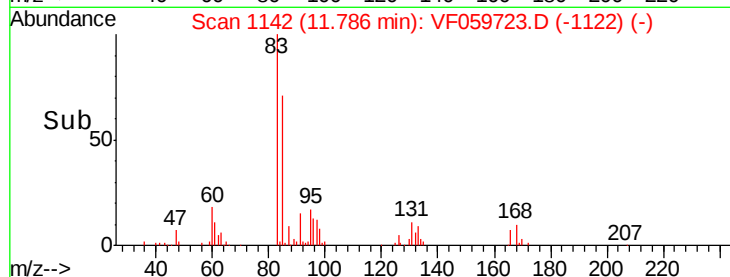
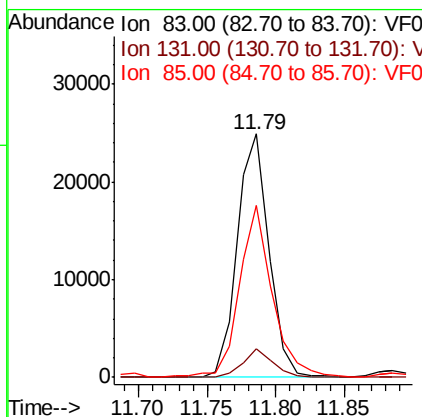
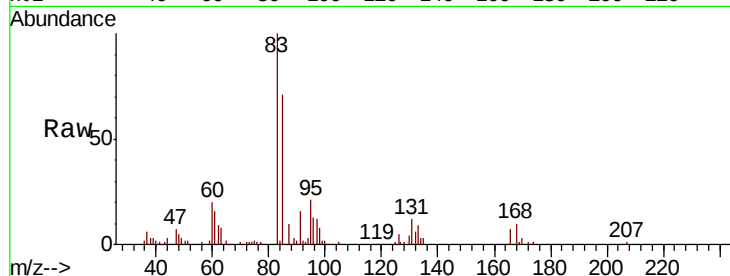
ClientSampleId :

VF0731SBS02

Tot Ion:	83	Resp:	39932
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.3
85	69.6	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 20.232 ug/l

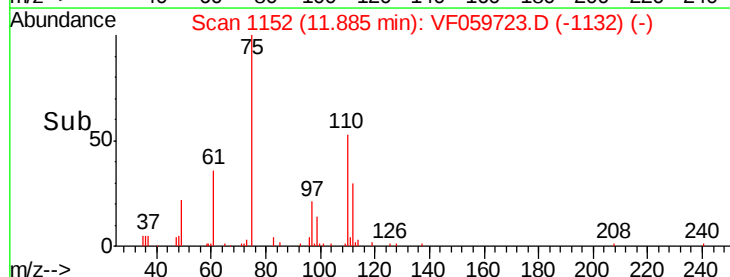
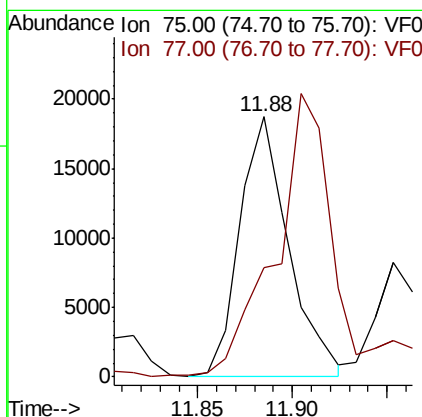
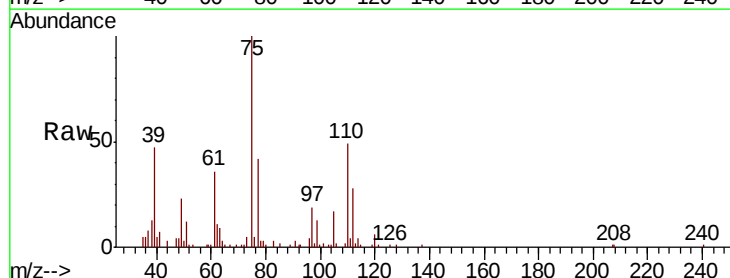
RT: 11.88 min Scan# 1152

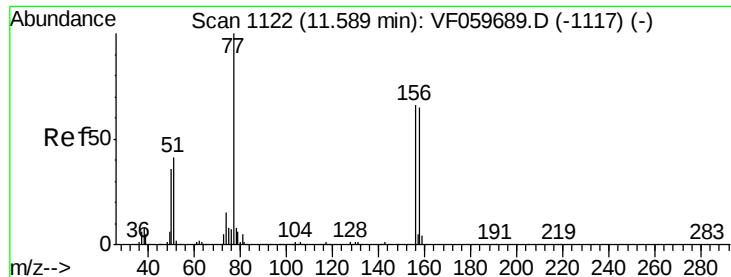
Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion:	75	Resp:	33574
Ion Ratio	Lower	Upper	
75	100		
77	42.1	18.0	54.0





#77

Bromobenzene

Concen: 20.958 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

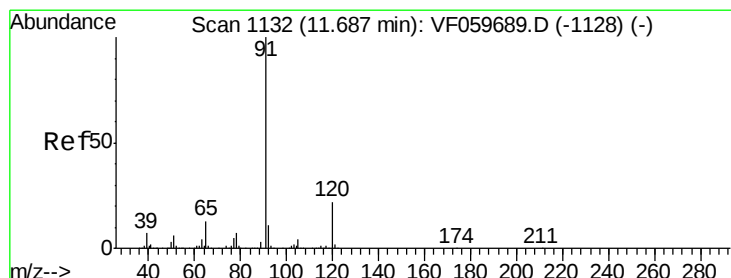
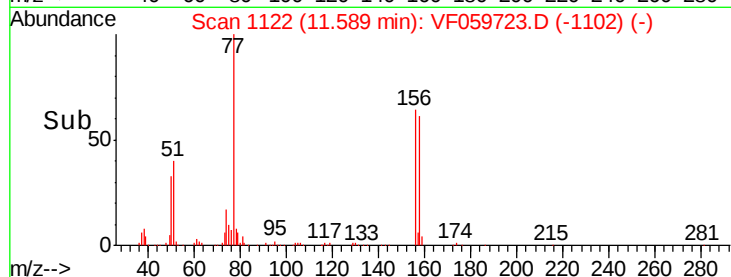
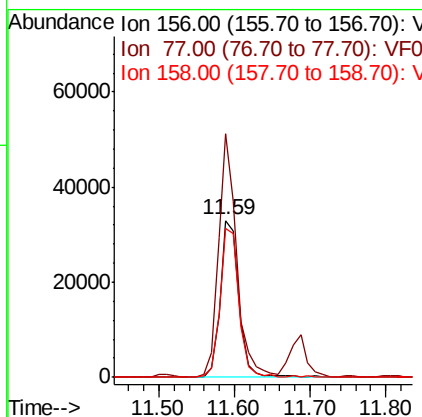
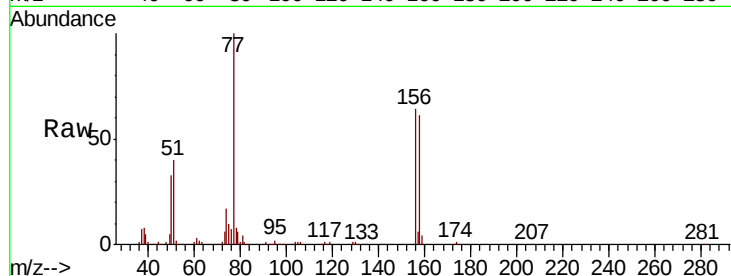
ClientSampleId :

VF0731SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.4	75.2	225.6
158	94.7	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.968 ug/l

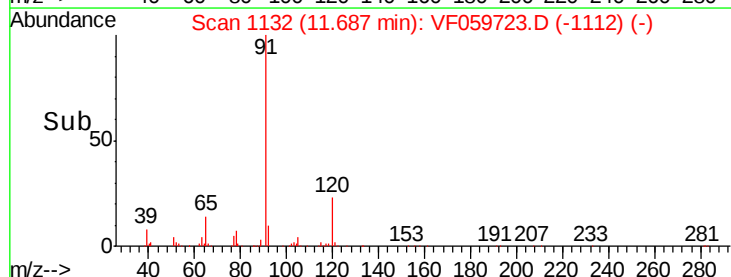
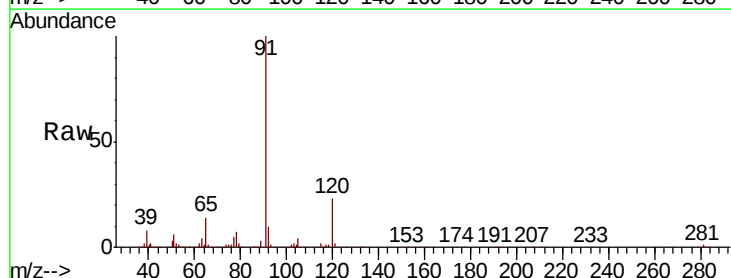
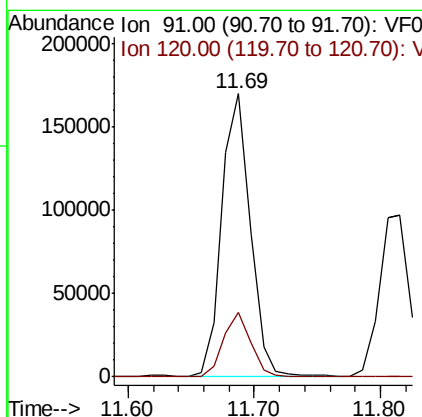
RT: 11.69 min Scan# 1132

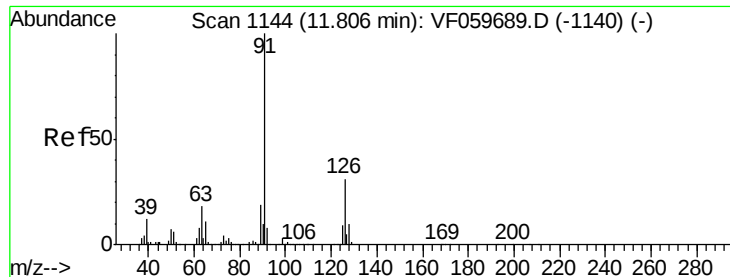
Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 21.523 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion: 91 Resp: 160663

Ion Ratio Lower Upper

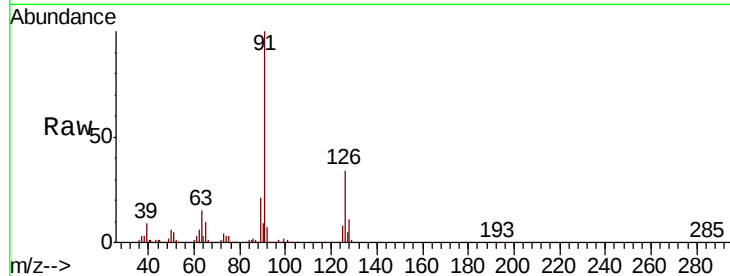
91 100

126 34.1 15.4 46.2

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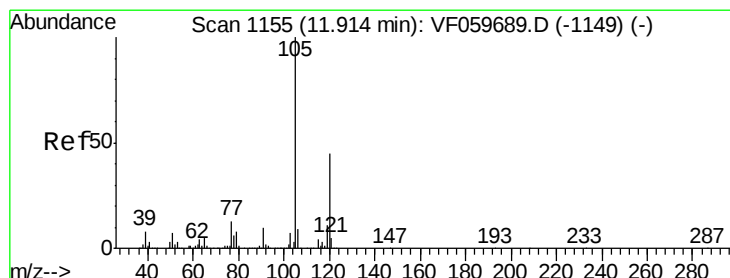
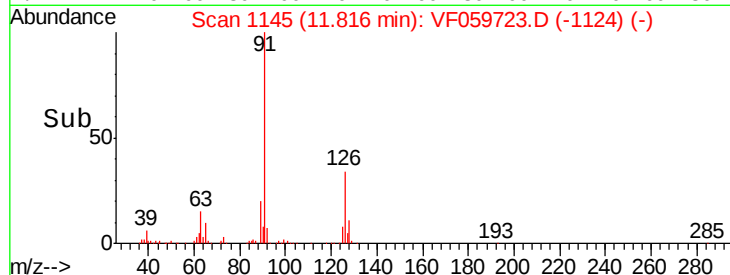
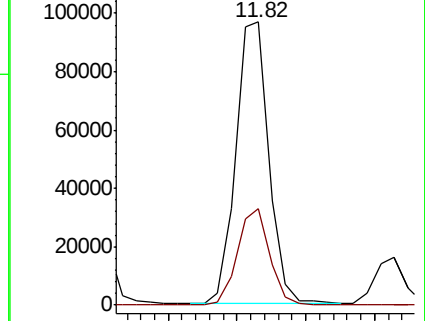
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.450 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059723.D

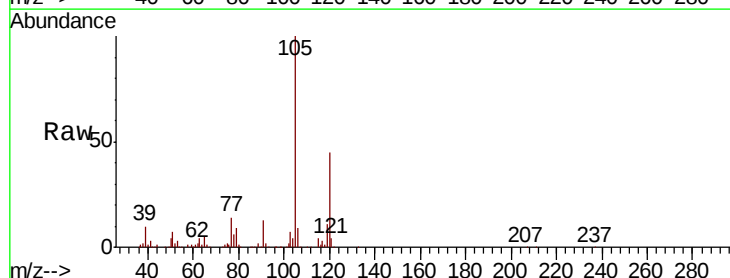
Acq: 31 Jul 2018 21:40

Tgt Ion:105 Resp: 206590

Ion Ratio Lower Upper

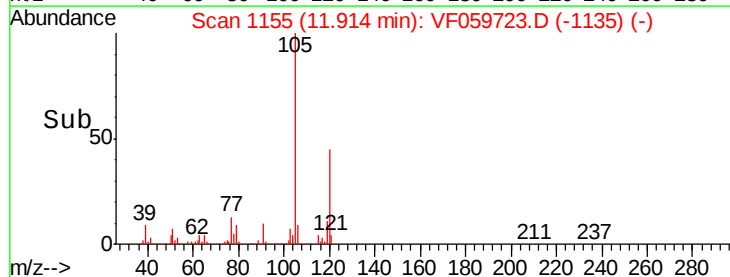
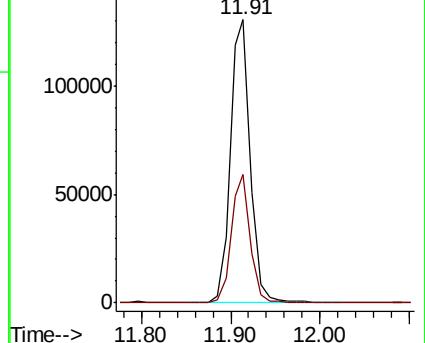
105 100

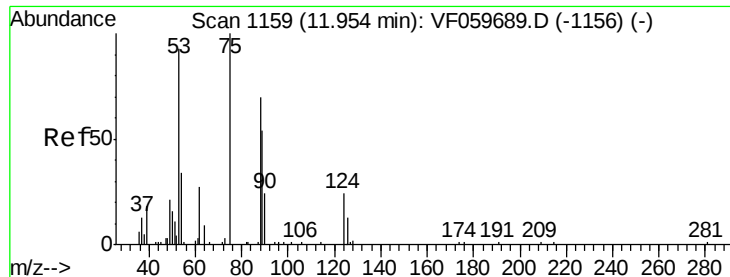
120 45.3 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.293 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS02

Tot Ion: 75 Resp: 13946

Ion Ratio Lower Upper

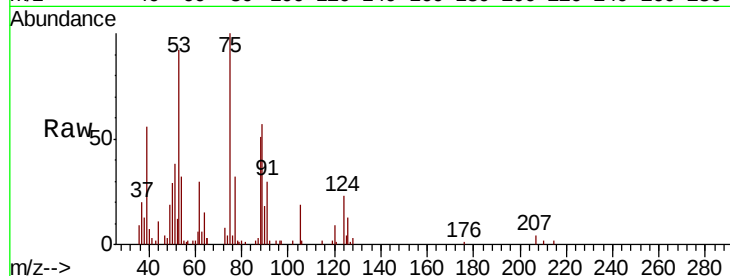
75 100

53 91.7 78.3 117.5

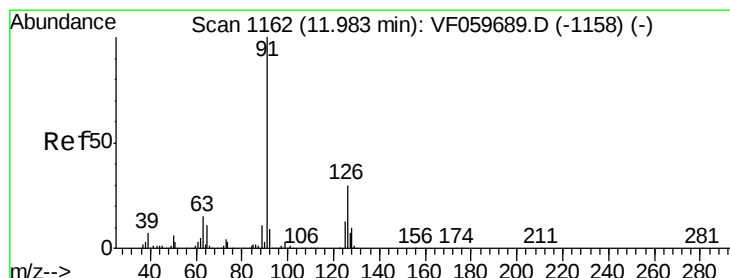
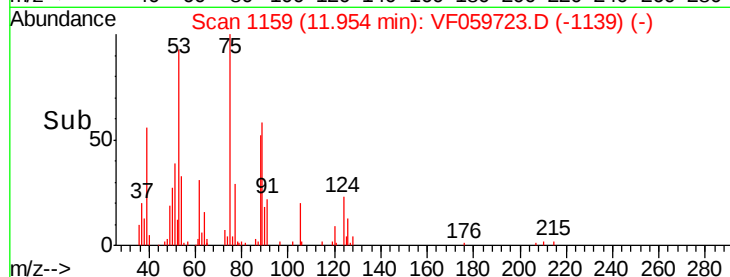
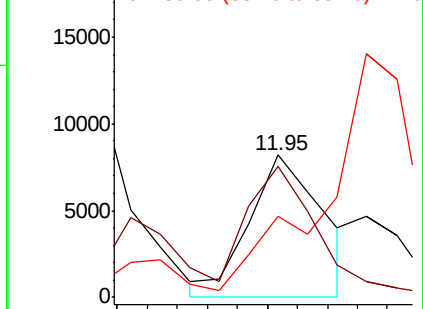
89 57.3 45.4 68.2

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Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.870 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059723.D

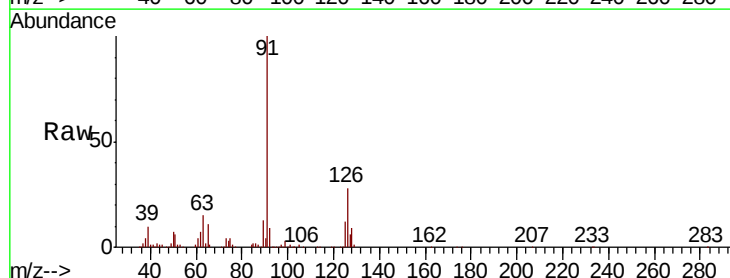
Acq: 31 Jul 2018 21:40

Tgt Ion: 91 Resp: 172372

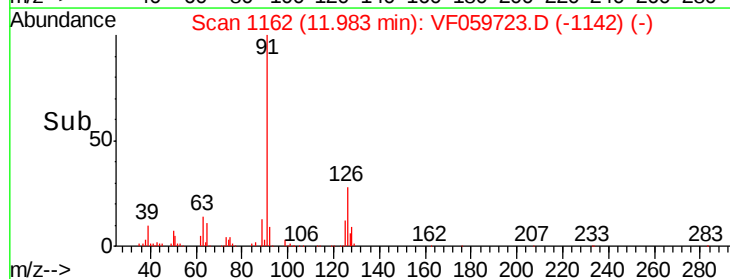
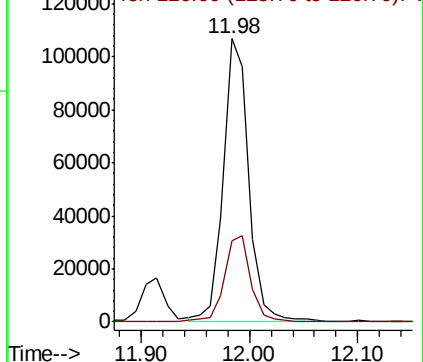
Ion Ratio Lower Upper

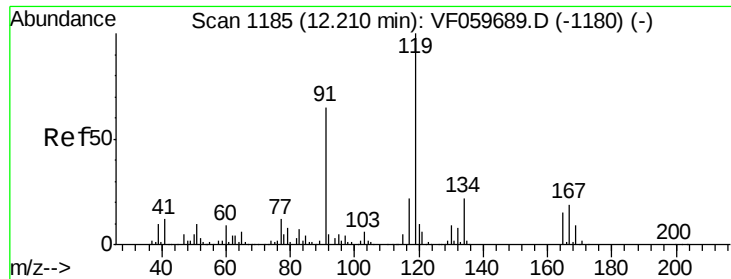
91 100

126 28.4 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V





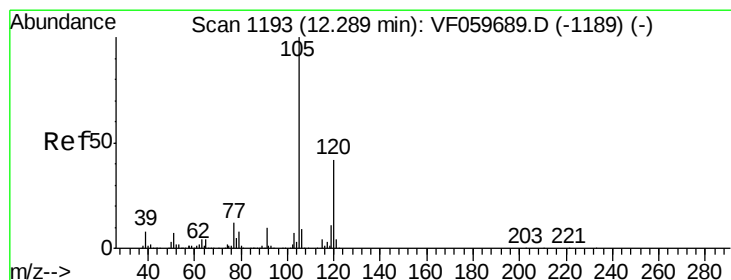
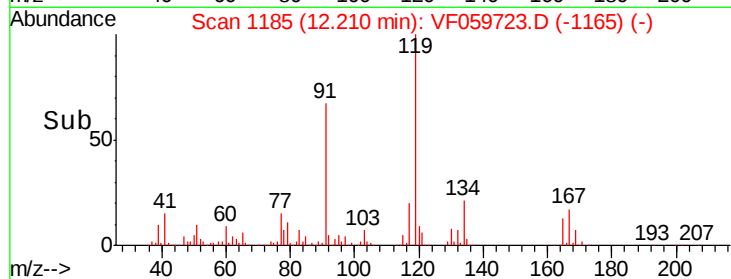
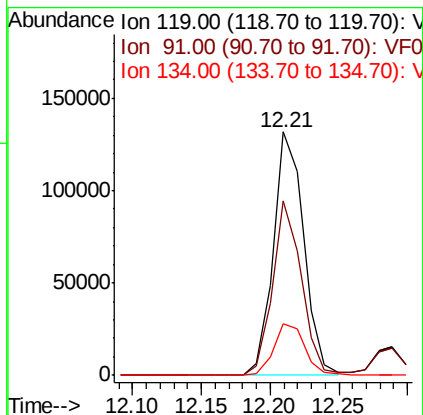
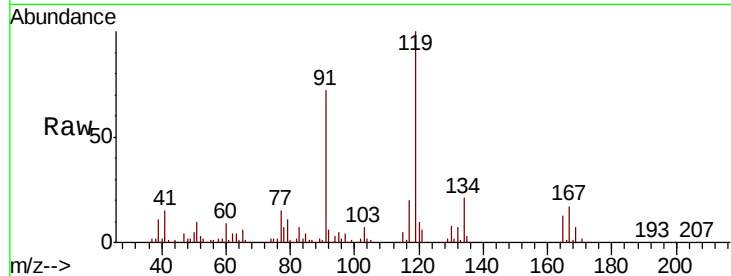
#83
tert-Butylbenzene
Concen: 21.647 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201461		
91	71.9	32.8	98.4	
134	21.1	10.9	32.7	

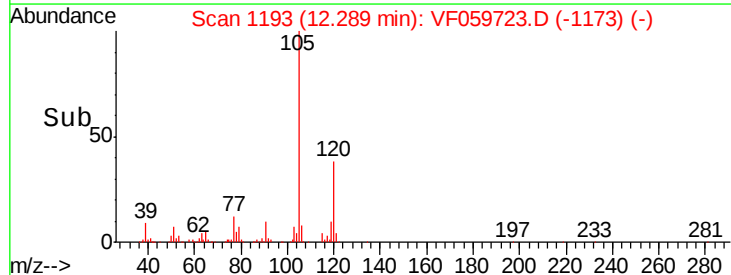
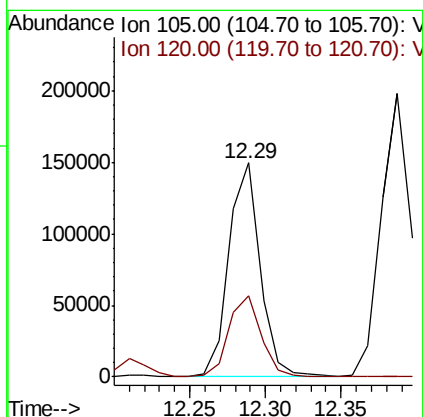
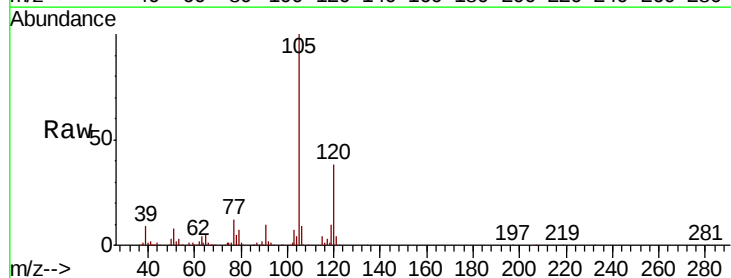
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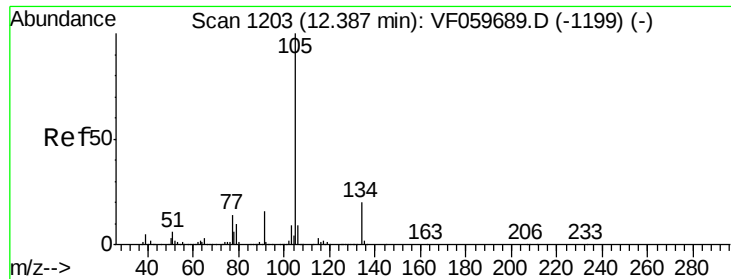
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#84
1,2,4-Trimethylbenzene
Concen: 23.245 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	214187		
120	38.0	21.1	63.3	





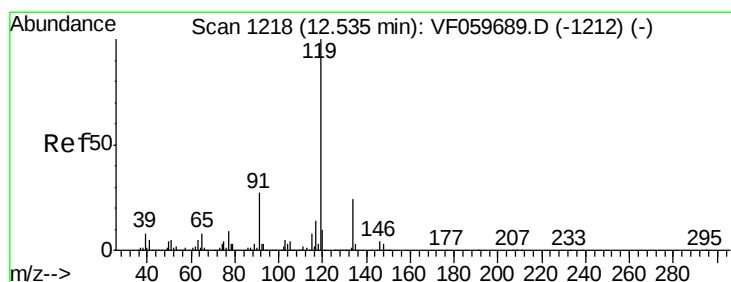
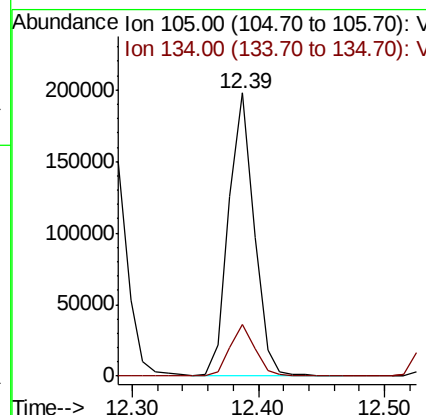
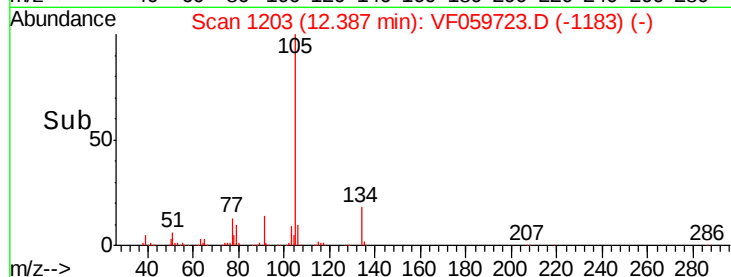
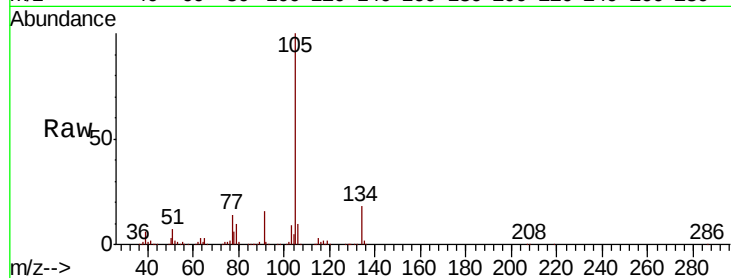
#85
 sec-Butylbenzene
 Concen: 23.115 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.0	9.8	29.3

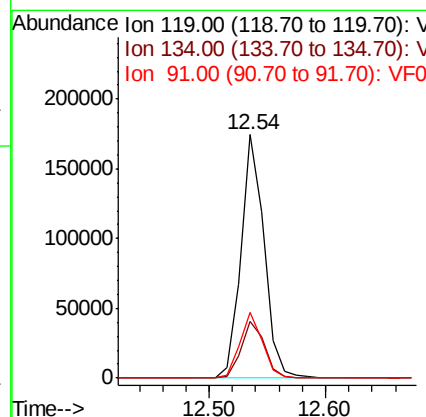
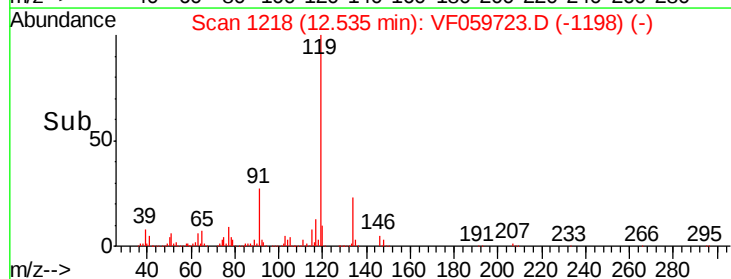
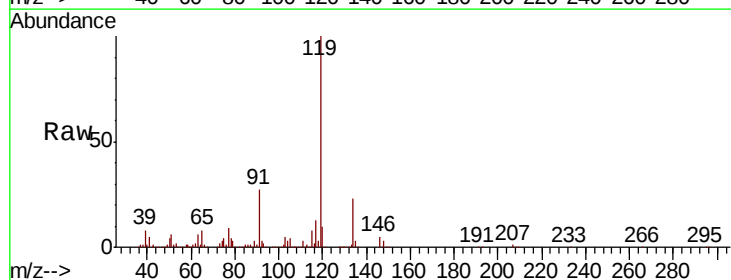
Manual Integrations
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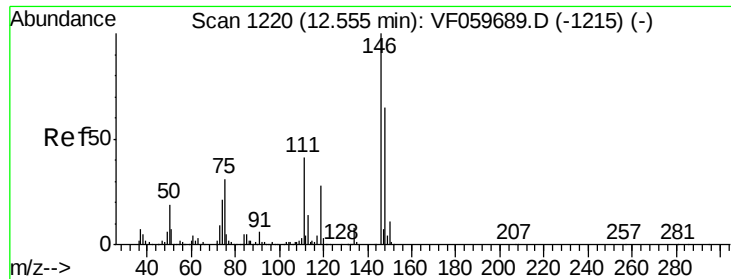
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#86
 p-Isopropyltoluene
 Concen: 22.998 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.1	12.2	36.6
91	27.1	13.4	40.2





#87

1,3-Dichlorobenzene

Concen: 22.299 ug/l

RT: 12.55 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

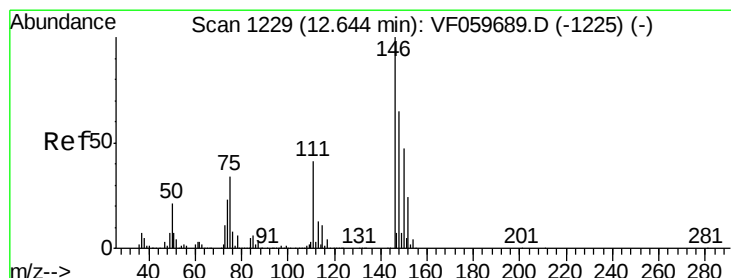
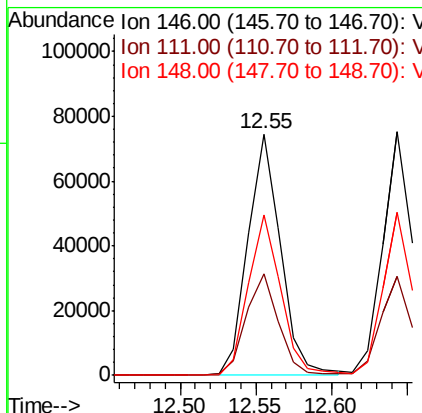
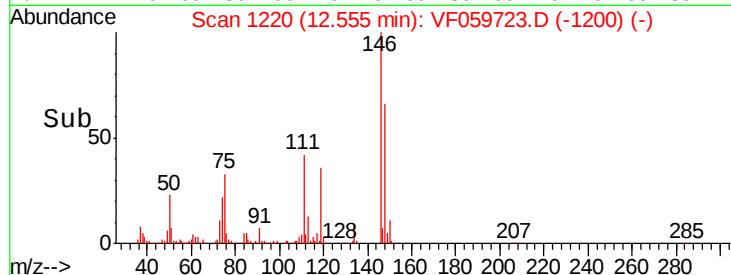
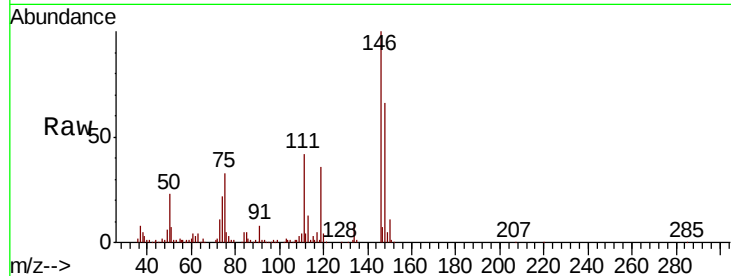
ClientSampleId :

VF0731SBS02

Tot Ion:	146	Resp:	112859
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.7	62.1
148	66.2	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 21.784 ug/l

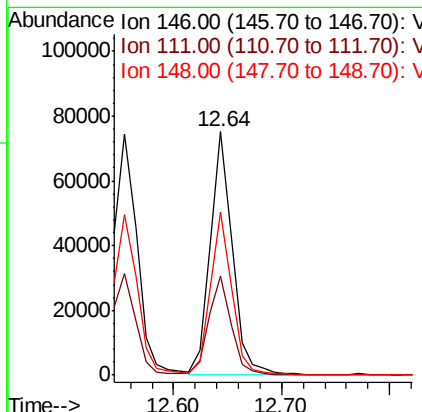
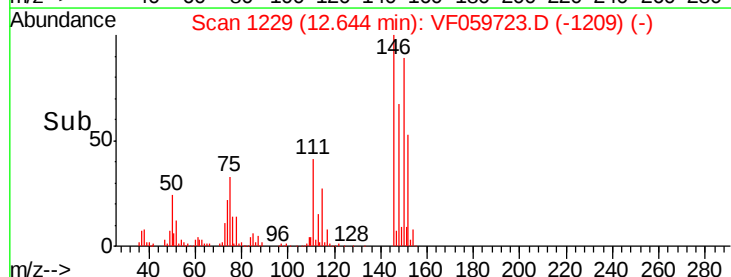
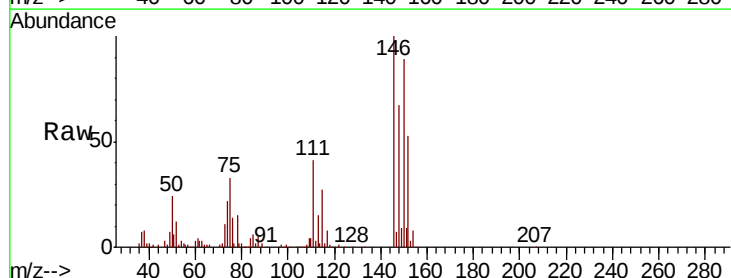
RT: 12.64 min Scan# 1229

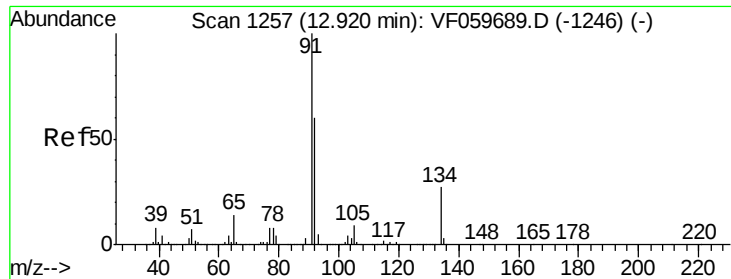
Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion:	146	Resp:	107801
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.8	62.2
148	66.8	32.3	96.9





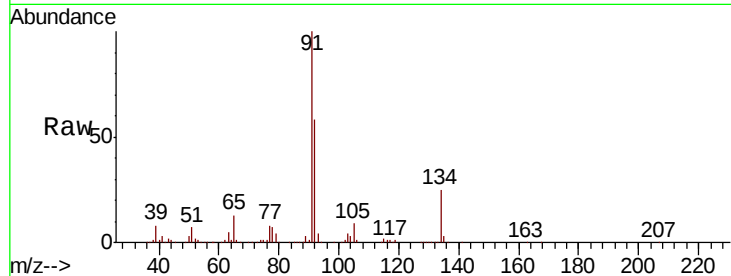
#89
n-Butylbenzene
Concen: 23.736 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

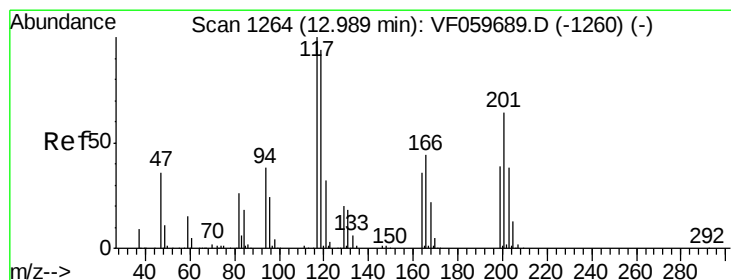
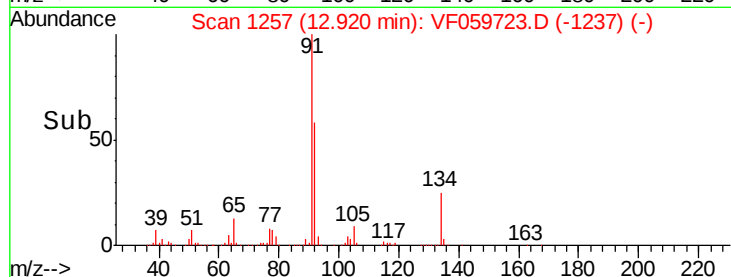
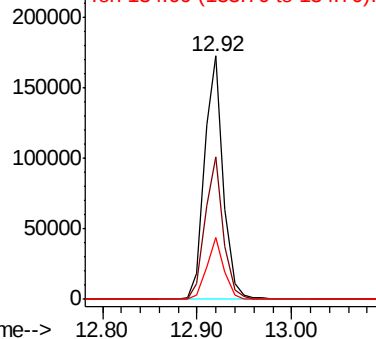
Tot Ion	Ratio	Resp	Lower	Upper
91	100	234416		
92	58.3		30.1	90.3
134	25.2		13.7	41.0

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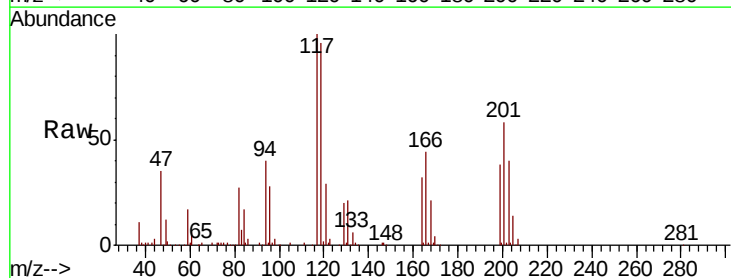


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V

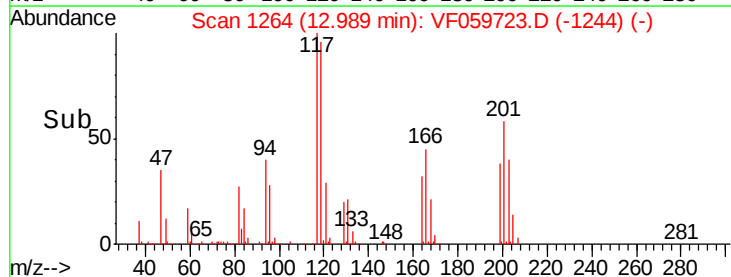
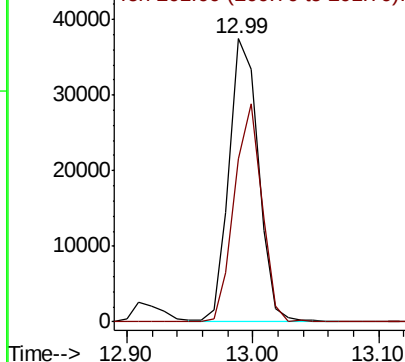


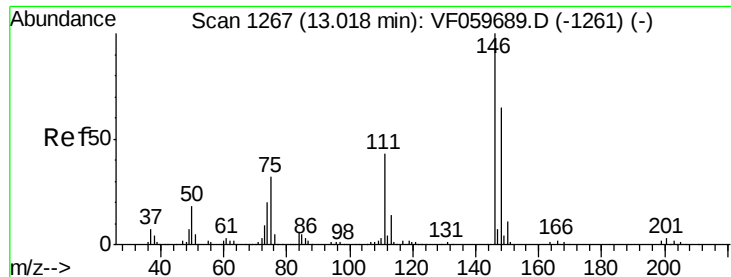
#90
Hexachloroethane
Concen: 23.067 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	60316		
201	57.7		31.9	95.5



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.681 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Instrument :

MSVOA_F

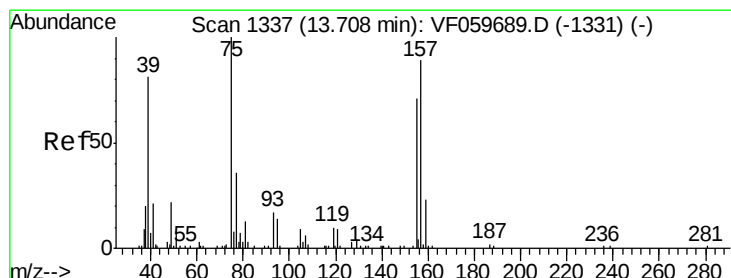
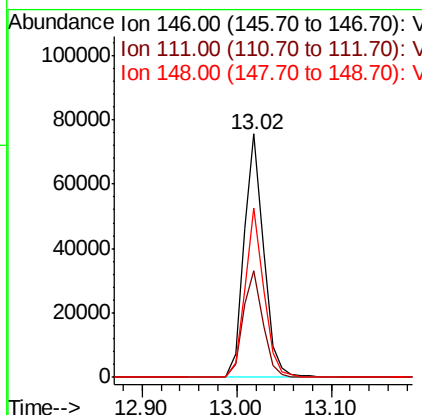
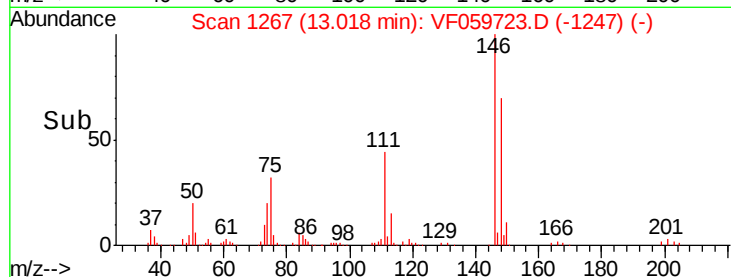
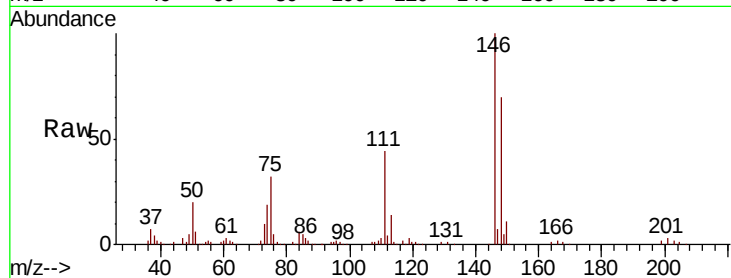
ClientSampleId :

VF0731SBS02

Tot Ion:	146	Resp:	108389
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.6	65.0
148	69.6	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.723 ug/l

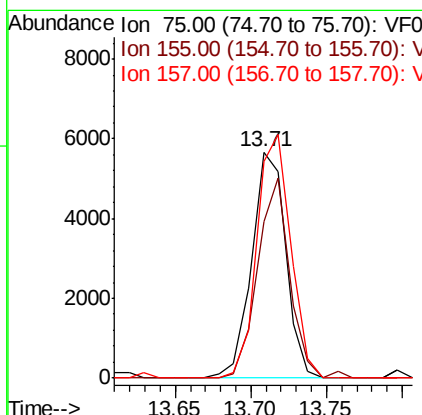
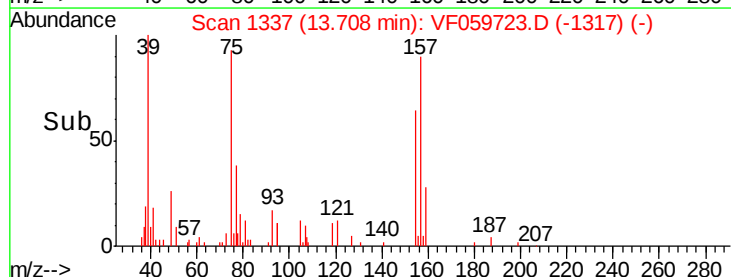
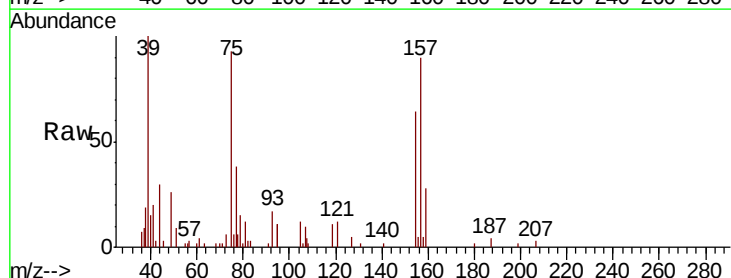
RT: 13.71 min Scan# 1337

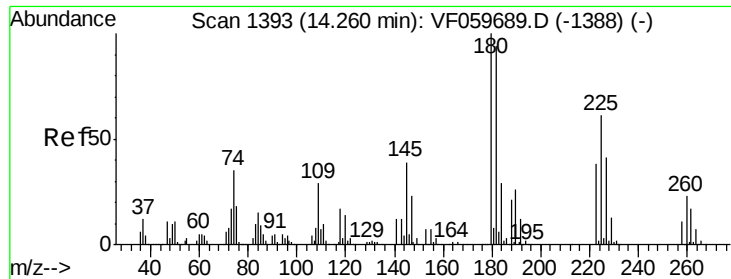
Delta R.T. 0.00 min

Lab File: VF059723.D

Acq: 31 Jul 2018 21:40

Tgt Ion:	75	Resp:	8932
Ion Ratio	Lower	Upper	
75	100		
155	69.1	35.4	106.2
157	96.0	44.4	133.2





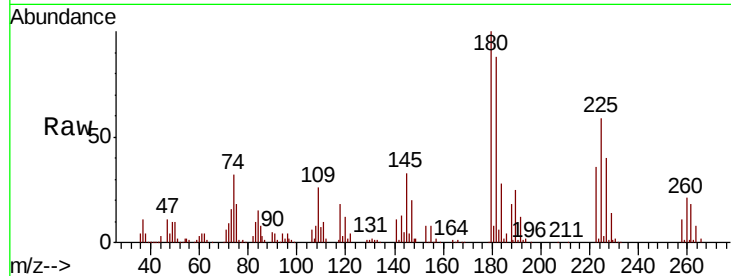
#93
 1,2,4-Trichlorobenzene
 Concen: 21.667 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.1	47.2	141.6
145	33.5	19.3	57.9

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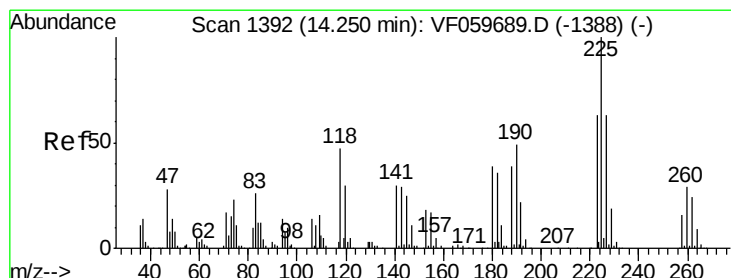
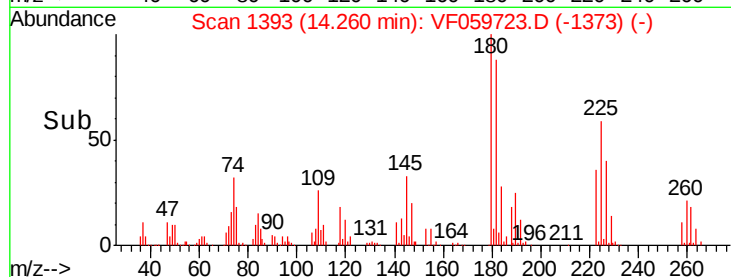
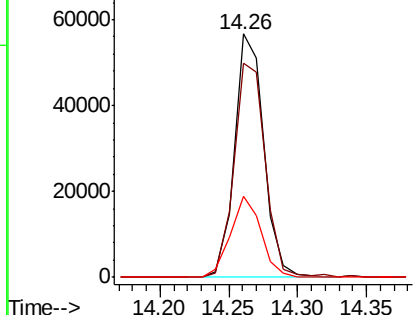


Abundance

Ion 180.00 (179.70 to 180.70): V

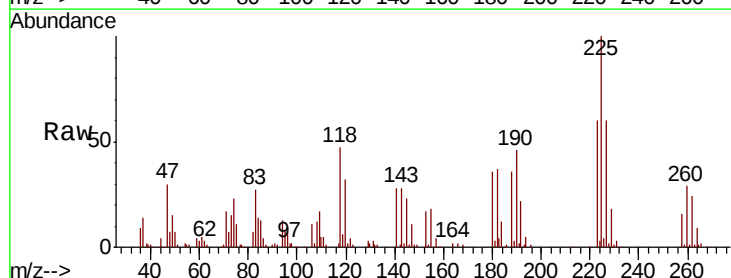
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.312 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059723.D
 Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.4	94.2
227	59.8	31.5	94.5

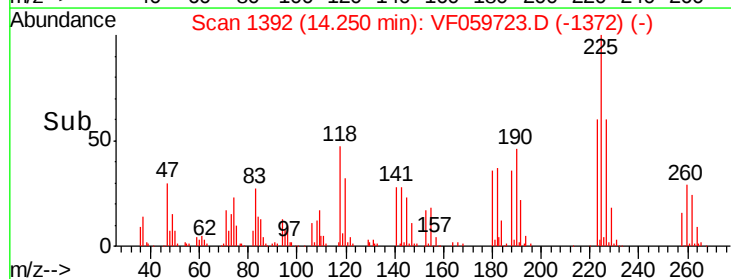
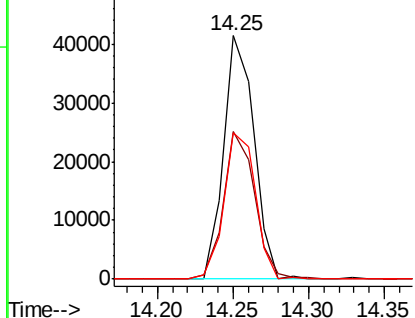


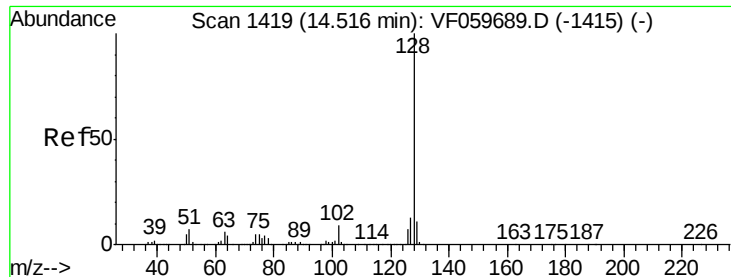
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





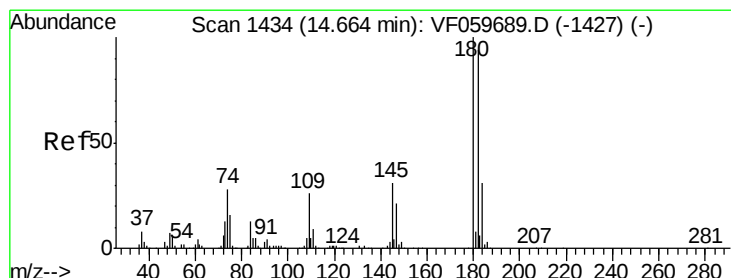
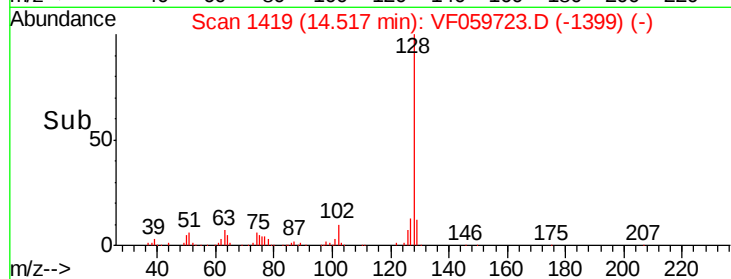
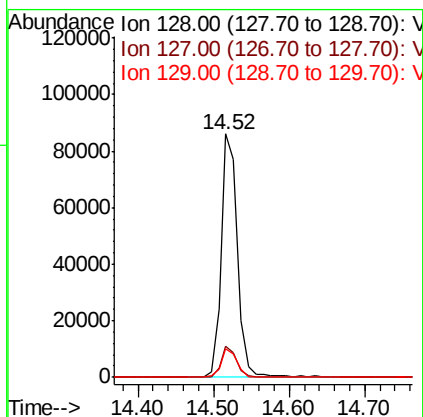
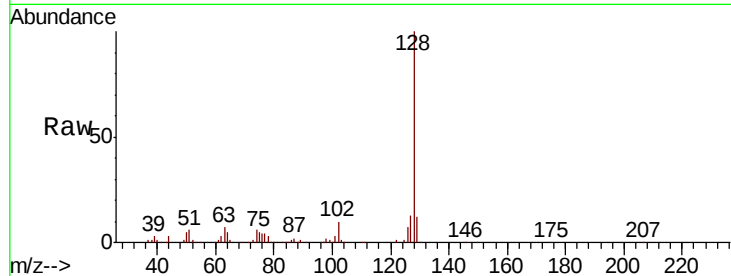
#95
Naphthalene
Concen: 19.024 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	129590		
127	12.6		10.0	15.0
129	11.7		8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 20.347 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059723.D
Acq: 31 Jul 2018 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	76613		
182	91.7		47.2	141.6
145	29.8		15.6	46.7

