

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
 Data File : VF059927.D
 Acq On : 8 Aug 2018 13:19
 Operator : VA/AP
 Sample : VF0808SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBS01

Manual Integrations
 APPROVED

apatel
 8/9/2018 10:46:55 AM

Quant Time: Aug 09 05:45:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	97513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	138127	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	139206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	95290	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	100543	57.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.38%	
35) Dibromofluoromethane	4.30	113	78169	56.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.76%	
50) Toluene-d8	7.72	98	160910	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
62) 4-Bromofluorobenzene	11.51	95	96237	58.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	32263	19.36	ug/l	94
3) Chloromethane	1.09	50	15103	19.60	ug/l	98
4) Vinyl Chloride	1.16	62	15135	19.17	ug/l	88
5) Bromomethane	1.34	94	14869	19.95	ug/l	98
6) Chloroethane	1.43	64	11621	23.43	ug/l	100
7) Trichlorofluoromethane	1.53	101	43651	20.20	ug/l	95
8) Diethyl Ether	1.71	74	8045	23.46	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	24352	20.42	ug/l	97
10) Methyl Iodide	1.97	142	38389	20.96	ug/l	98
11) Tert butyl alcohol	2.69	59	10145	143.07	ug/l	95
12) 1,1-Dichloroethene	1.86	96	17478	20.07	ug/l	99
13) Acrolein	2.09	56	3673	86.43	ug/l	90
14) Allyl chloride	2.19	41	19495	13.42	ug/l #	78
15) Acrylonitrile	3.08	53	14320	110.20	ug/l #	91
16) Acetone	2.34	43	38245	117.84	ug/l	99
17) Carbon Disulfide	1.88	76	45610	19.61	ug/l	98
18) Methyl Acetate	2.45	43	12948	23.65	ug/l #	87
19) Methyl tert-butyl Ether	2.54	73	59938	24.30	ug/l	96
20) Methylene Chloride	2.32	84	24342m	27.44	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	17559	20.29	ug/l	90
22) Diisopropyl ether	2.93	45	61042	21.85	ug/l	97
23) Vinyl Acetate	3.33	43	157320	116.32	ug/l	98
24) 1,1-Dichloroethane	3.01	63	41674	20.48	ug/l	98
25) 2-Butanone	4.52	43	45753	129.65	ug/l	96
26) 2,2-Dichloropropane	3.77	77	19682	16.62	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	20497	21.07	ug/l	90
28) Bromochloromethane	3.90	49	15610	21.73	ug/l	96
29) Tetrahydrofuran	4.26	42	17842	137.34	ug/l	94
30) Chloroform	4.04	83	55797	20.27	ug/l	91
31) Cyclohexane	3.88	56	20622	20.48	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	45449	20.64	ug/l	91
36) 1,1-Dichloropropene	4.46	75	31733	19.86	ug/l	92
37) Ethyl Acetate	4.30	43	20765	30.27	ug/l #	47
38) Carbon Tetrachloride	4.18	117	53653	23.46	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	23154	19.32	ug/l	95
40) Benzene	4.81	78	59362	19.81	ug/l	98
41) Methacrylonitrile	4.93	41	9197	25.40	ug/l	97
42) 1,2-Dichloroethane	5.13	62	47458	21.45	ug/l	100
43) Isopropyl Acetate	7.12	43	17824	25.23	ug/l #	94
44) Trichloroethene	5.68	130	21317	20.03	ug/l	90
45) 1,2-Dichloropropane	6.41	63	15625	21.31	ug/l	97
46) Dibromomethane	6.26	93	15740	21.28	ug/l	92
47) Bromodichloromethane	6.56	83	45428	22.45	ug/l #	93
48) Methyl methacrylate	6.88	41	14054	25.57	ug/l #	92
49) 1,4-Dioxane	6.88	88	2123	574.92	ug/l #	79
51) 4-Methyl-2-Pentanone	8.41	43	99018	137.10	ug/l	97
52) Toluene	7.79	92	42385	21.00	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	34550	22.45	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	34909	21.98	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	16528	22.75	ug/l	93
56) Ethyl methacrylate	8.77	69	17517	23.87	ug/l	85
57) 1,3-Dichloropropane	9.01	76	28119	22.54	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	10080	104.89	ug/l	100
59) 2-Hexanone	9.64	43	69879	136.97	ug/l	97
60) Dibromochloromethane	8.87	129	30797	22.60	ug/l	97
61) 1,2-Dibromoethane	9.14	107	29825	33.70	ug/l	100
64) Tetrachloroethene	8.31	164	26716	22.25	ug/l	86
65) Chlorobenzene	9.95	112	57190	20.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.09	131	28878	20.55	ug/l	99
67) Ethyl Benzene	10.05	91	106210	21.58	ug/l	100
68) m/p-Xylenes	10.27	106	72435	42.57	ug/l	98
69) o-Xylene	10.83	106	37648	20.89	ug/l	97
70) Styrene	10.91	104	61566	22.89	ug/l	99
71) Bromoform	10.89	173	20289	23.55	ug/l	91
73) Isopropylbenzene	11.24	105	131370	22.13	ug/l	97
74) N-amyl acetate	11.47	43	28314	21.10	ug/l	97
75) 1,1,1,2-Tetrachloroethane	11.79	83	24738	22.20	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	22512	23.52	ug/l	100
77) Bromobenzene	11.60	156	33828	20.96	ug/l	97
78) n-propylbenzene	11.69	91	144469	20.61	ug/l	100
79) 2-Chlorotoluene	11.82	91	94406	21.29	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	119133	21.62	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	7062m	20.54	ug/l	
82) 4-Chlorotoluene	12.00	91	102122	21.21	ug/l	96
83) tert-Butylbenzene	12.22	119	113118	21.09	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	121749	21.48	ug/l	100
85) sec-Butylbenzene	12.39	105	150582	21.12	ug/l	99
86) p-Isopropyltoluene	12.55	119	126226	21.07	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	67221	21.98	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	63656	21.20	ug/l	95
89) n-Butylbenzene	12.92	91	126877	22.22	ug/l	97
90) Hexachloroethane	13.00	117	34538	20.89	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	67224	22.84	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.74	75	523	1.86	ug/l	81

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Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	53574	23.98	ug/l	99
94) Hexachlorobutadiene	14.27	225	34496	21.85	ug/l	95
95) Naphthalene	14.53	128	95497	24.69	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	54670	24.78	ug/l	96

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

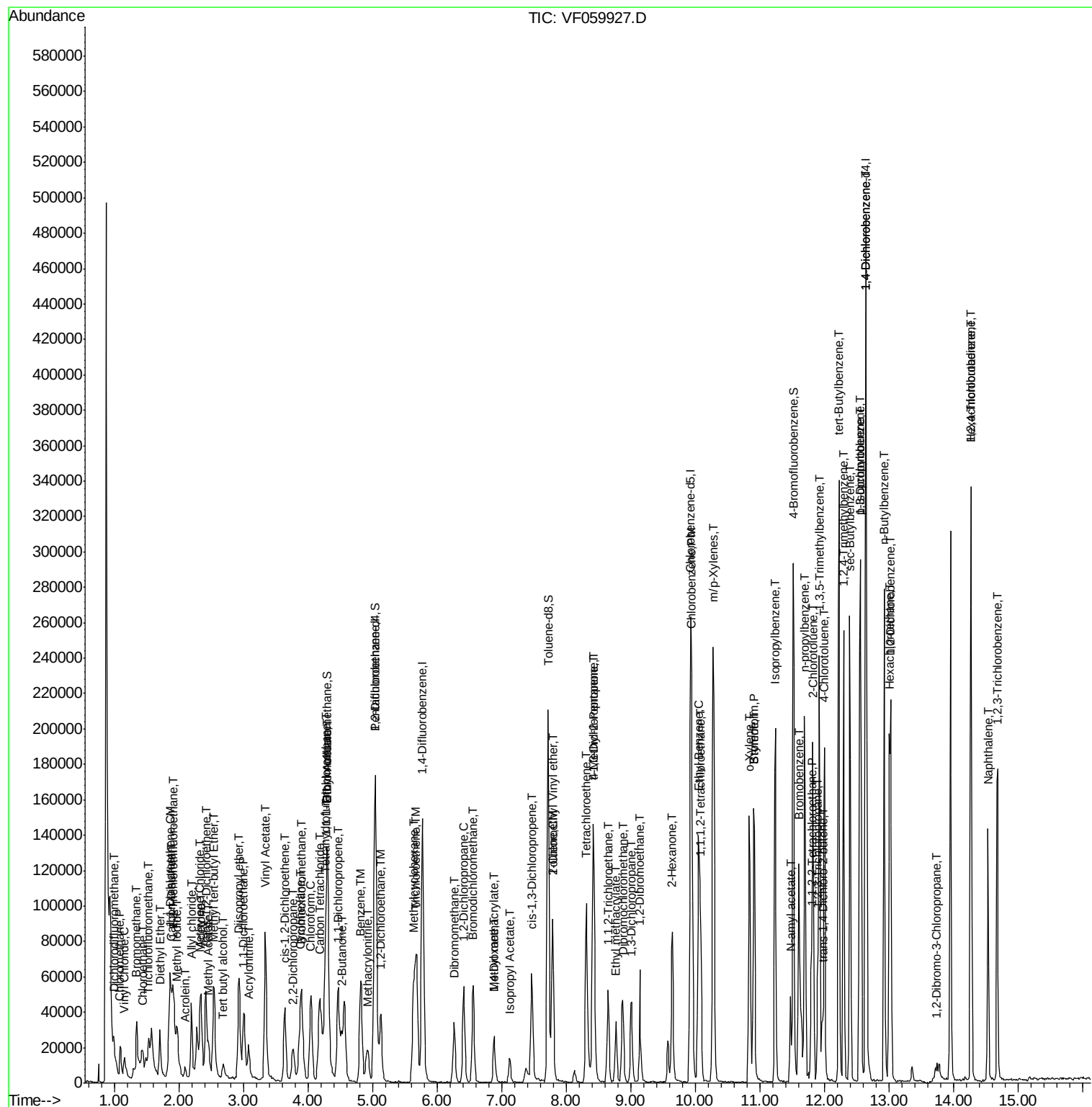
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080818\
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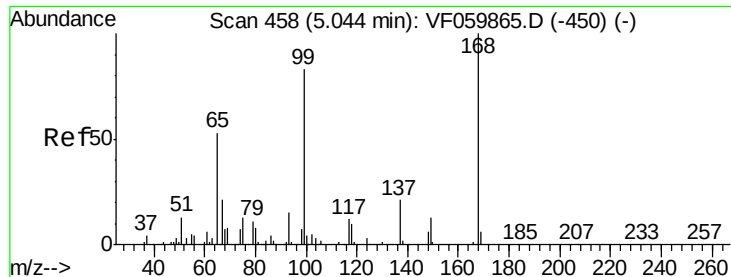
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

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Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion:168 Resp: 97513

Ion Ratio Lower Upper

168 100

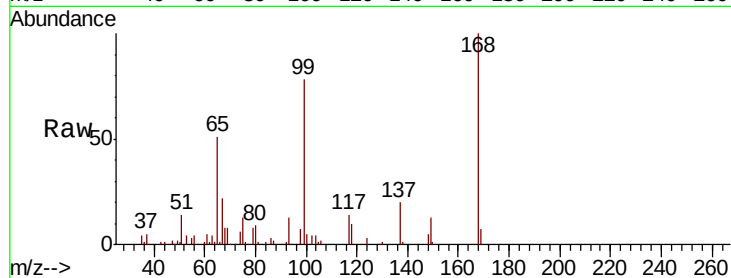
99 77.8 66.3 99.5

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

5.05

30000

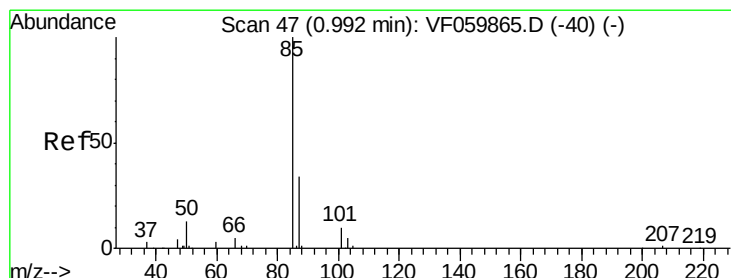
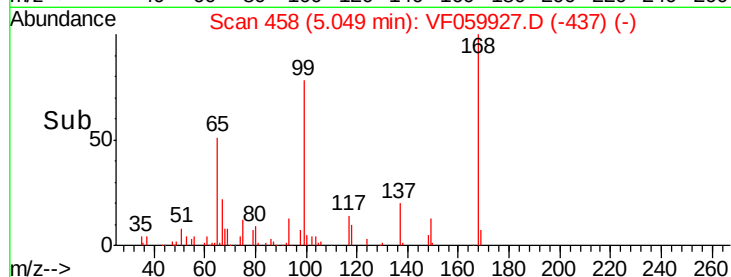
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 19.36 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059927.D

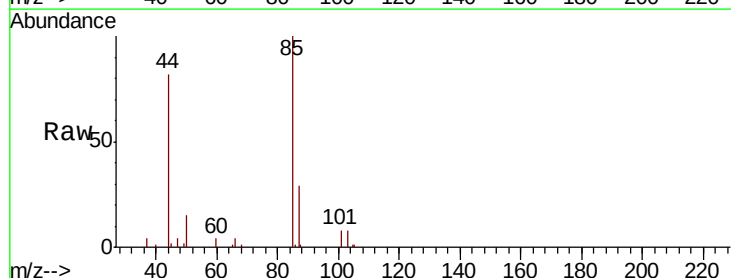
Acq: 8 Aug 2018 13:19

Tgt Ion: 85 Resp: 32263

Ion Ratio Lower Upper

85 100

87 30.2 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

10000

8000

6000

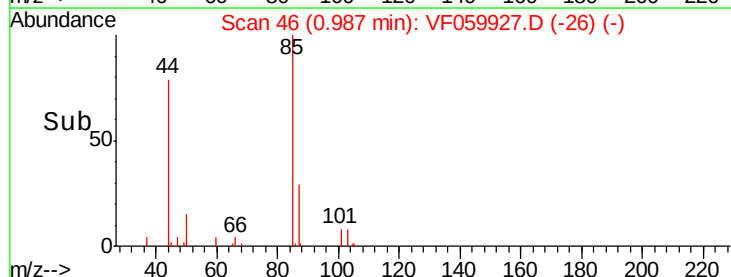
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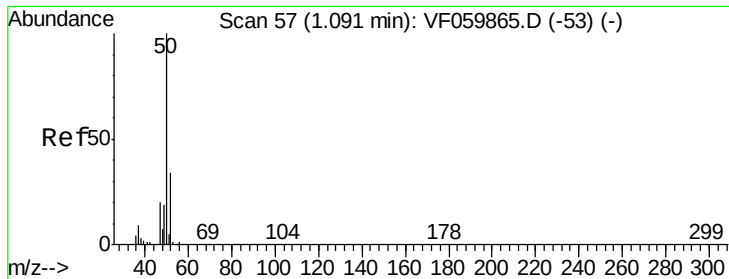
2000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 19.60 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion: 50 Resp: 15103

Ion Ratio Lower Upper

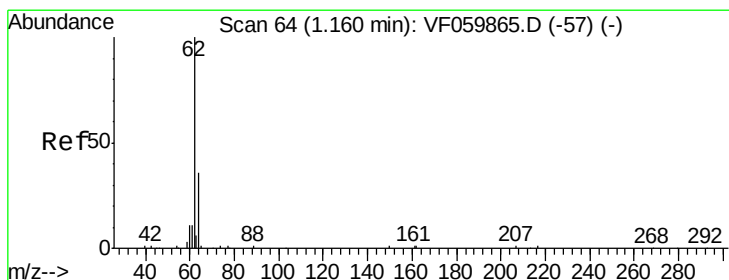
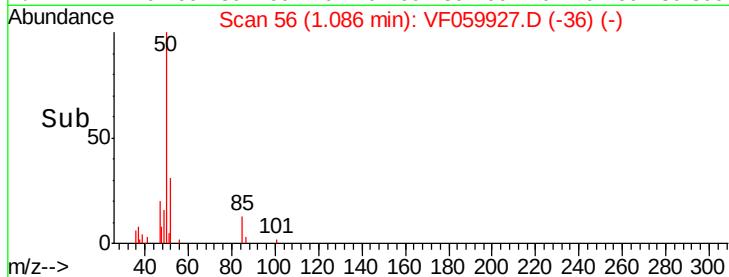
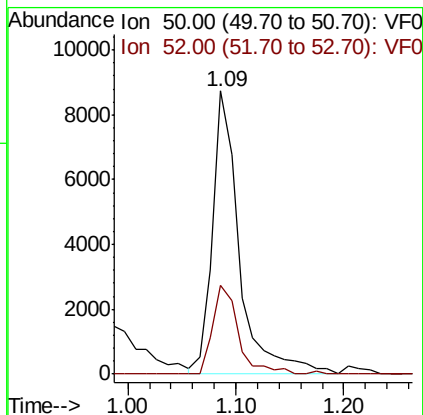
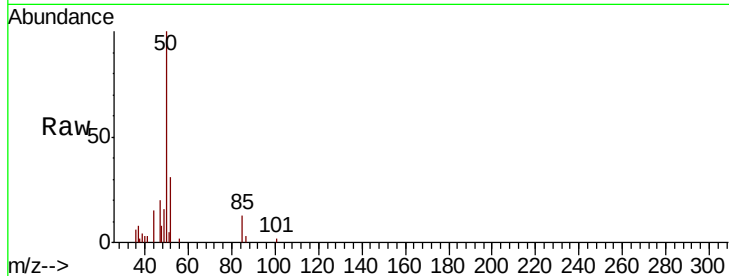
50 100

52 31.3 25.8 38.8

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#4

Vinyl Chloride

Concen: 19.17 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059927.D

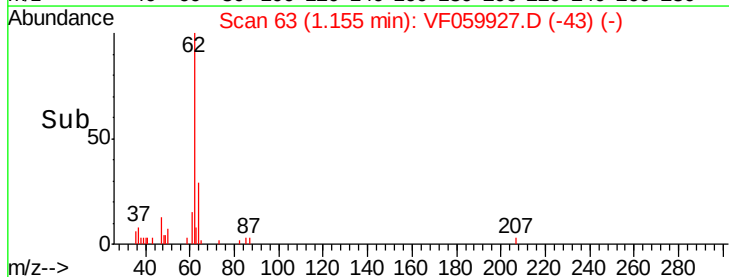
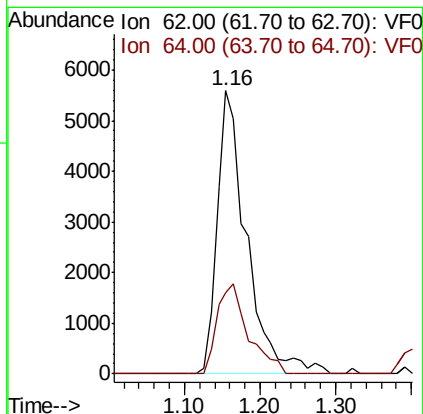
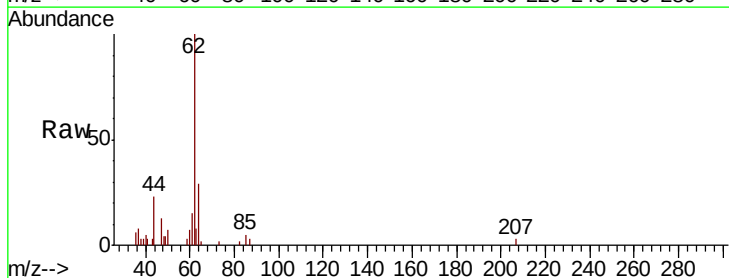
Acq: 8 Aug 2018 13:19

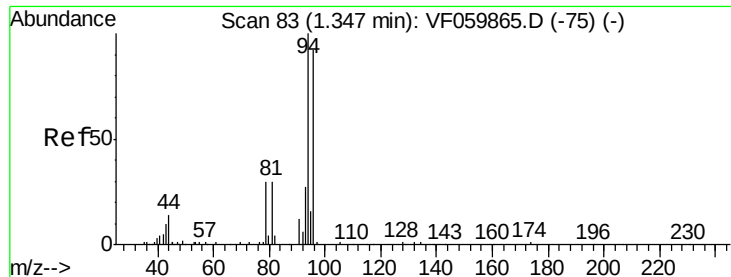
Tgt Ion: 62 Resp: 15135

Ion Ratio Lower Upper

62 100

64 28.6 28.5 42.7





#5

Bromomethane

Concen: 19.95 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion: 94 Resp: 14869

Ion Ratio Lower Upper

94 100

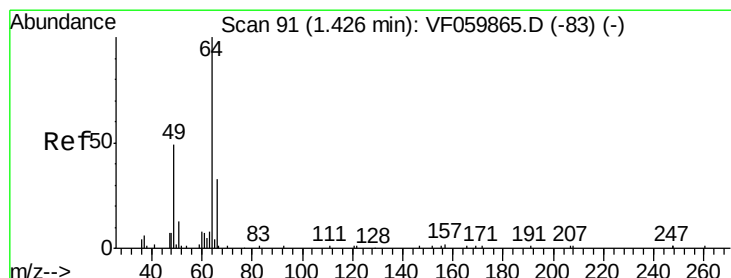
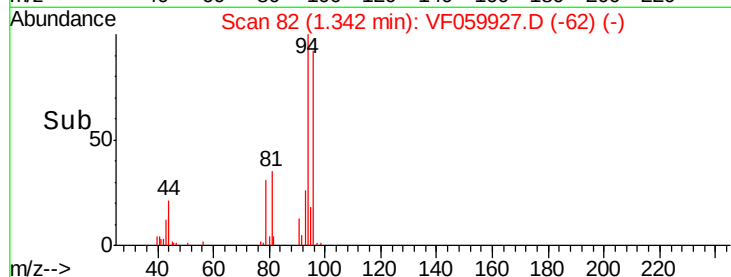
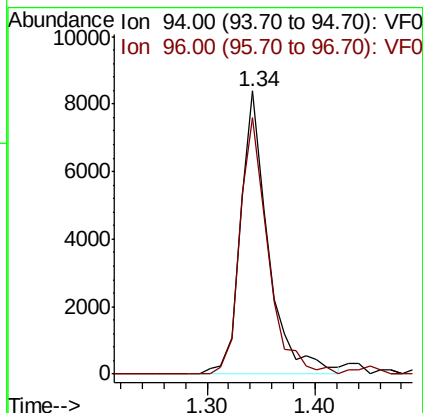
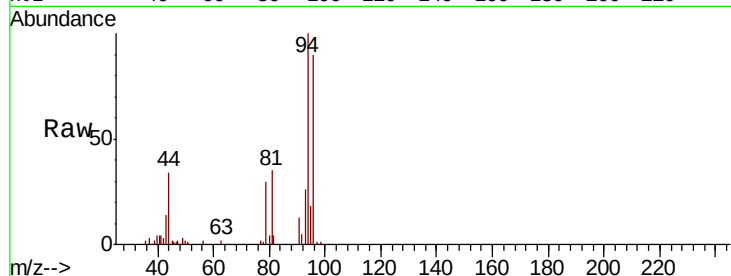
96 90.4 73.8 110.8

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#6

Chloroethane

Concen: 23.43 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059927.D

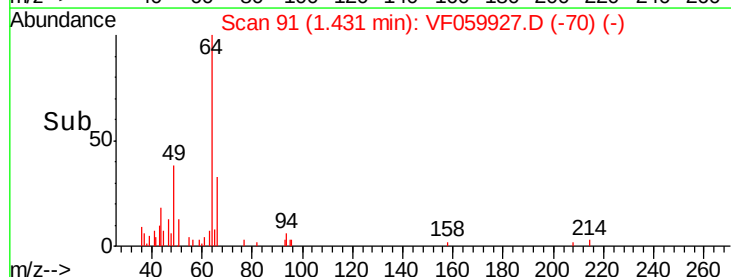
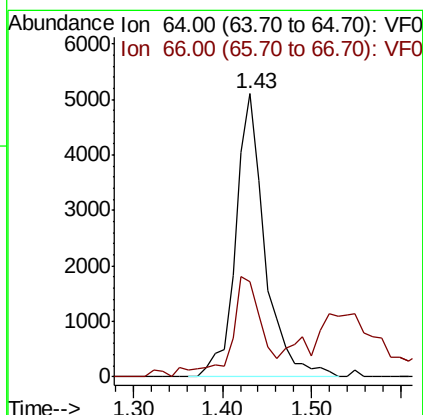
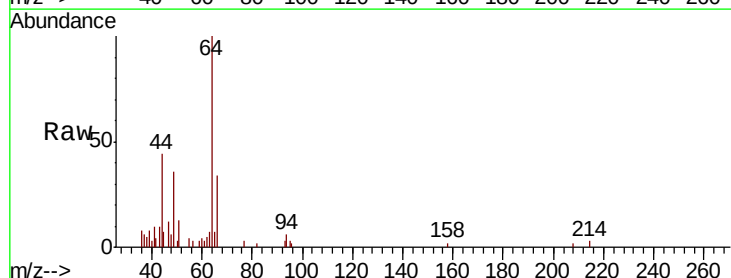
Acq: 8 Aug 2018 13:19

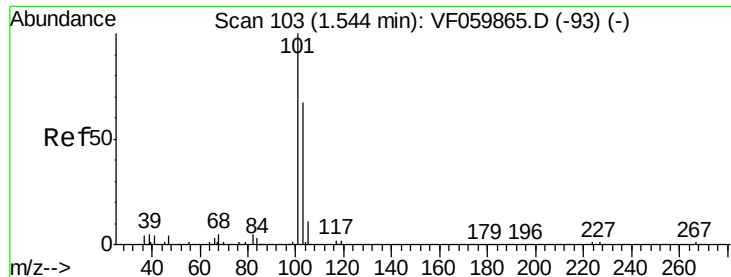
Tgt Ion: 64 Resp: 11621

Ion Ratio Lower Upper

64 100

66 33.8 26.9 40.3





#7

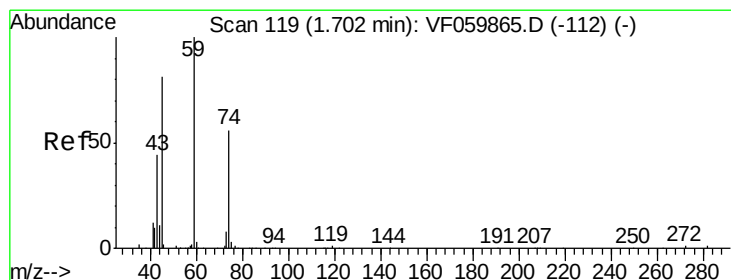
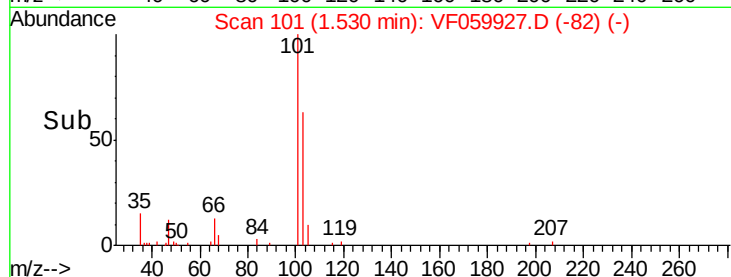
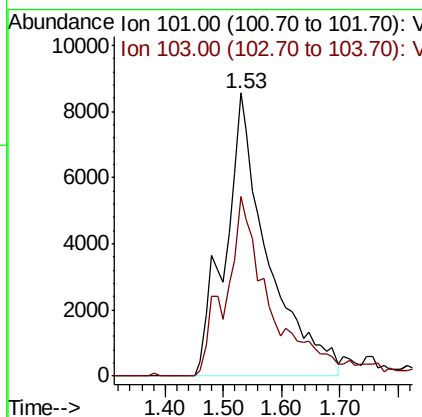
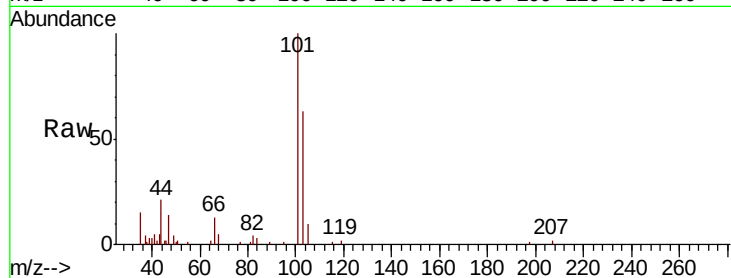
Trichlorofluoromethane
 Concen: 20.20 ug/l
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	43651		
103	63.3	53.6	80.4	

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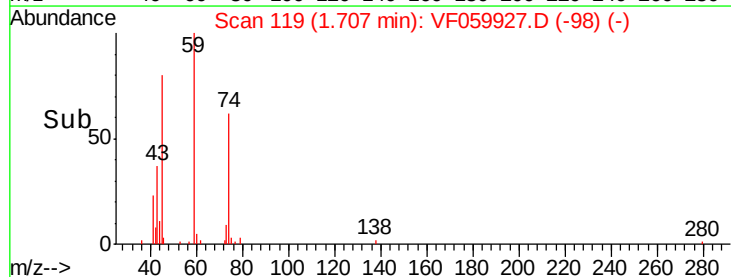
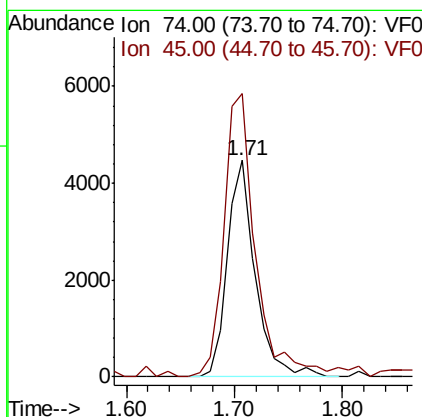
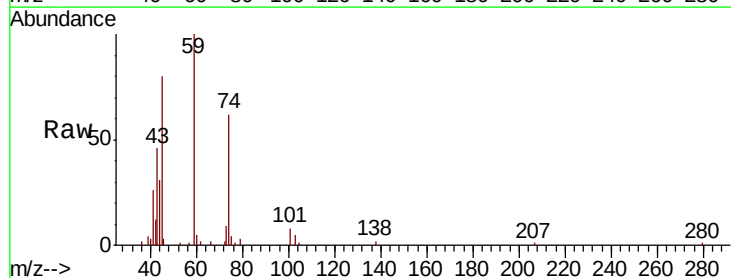
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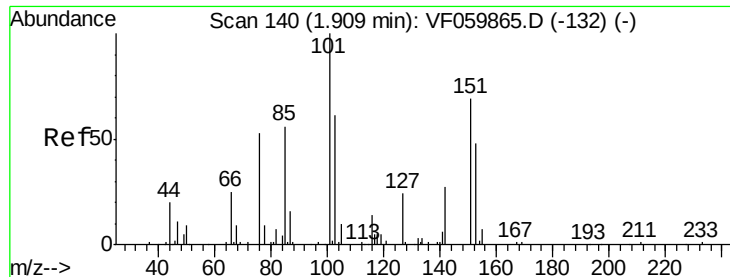


#8

Diethyl Ether
 Concen: 23.46 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	8045		
45	130.7	73.6	220.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.42 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

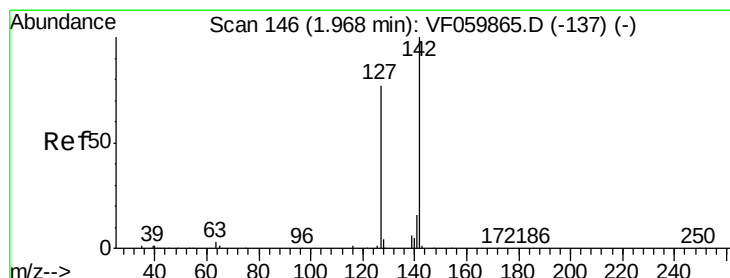
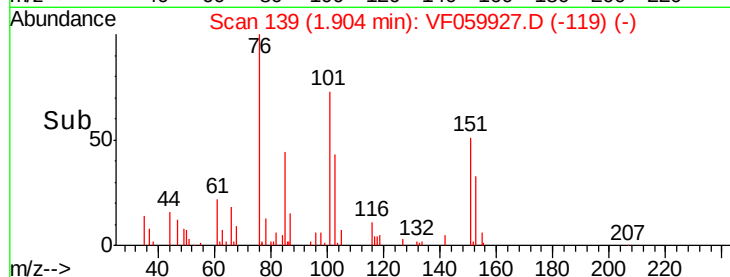
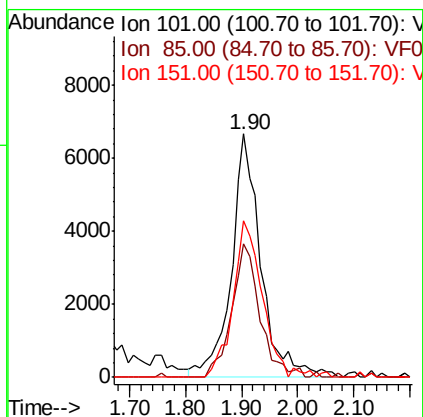
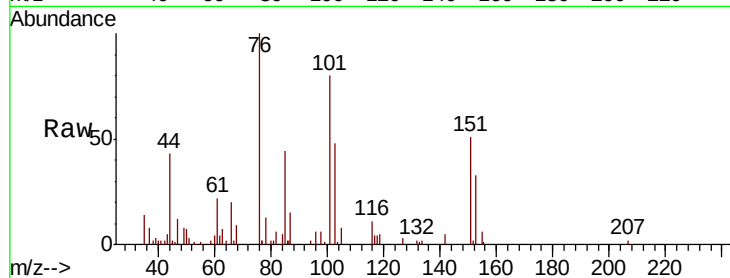
ClientSampleId :

VF0808SBS01

Tot Ion:	101	Resp:	24352
Ion Ratio	Lower	Upper	
101	100		
85	56.9	44.5	66.7
151	64.2	53.8	80.8

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#10

Methyl Iodide

Concen: 20.96 ug/l

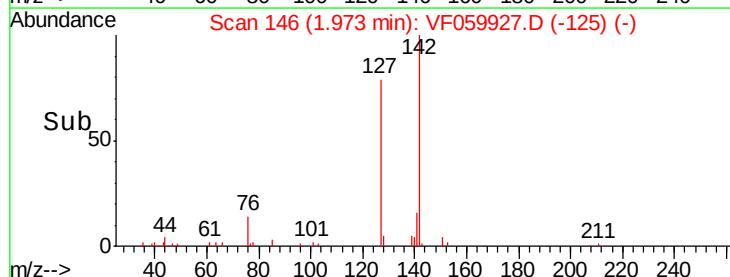
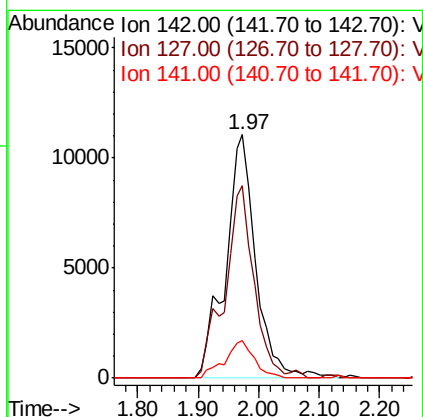
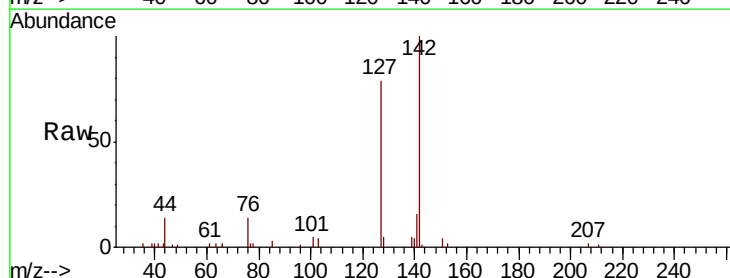
RT: 1.97 min Scan# 146

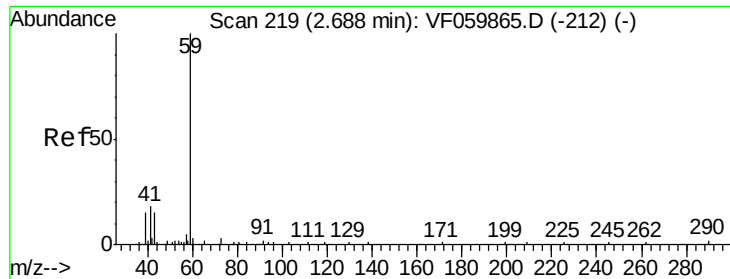
Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion:	142	Resp:	38389
Ion Ratio	Lower	Upper	
142	100		
127	79.2	61.5	92.3
141	15.6	13.0	19.4





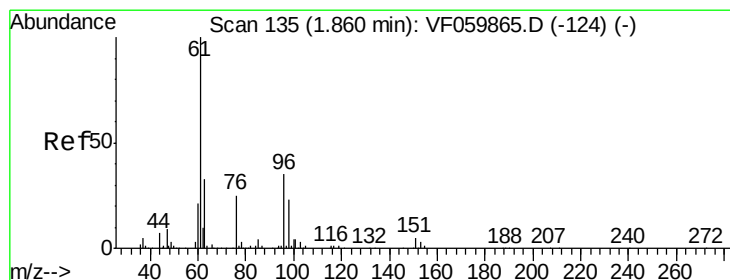
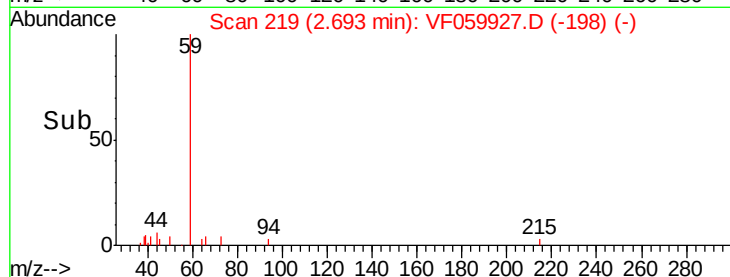
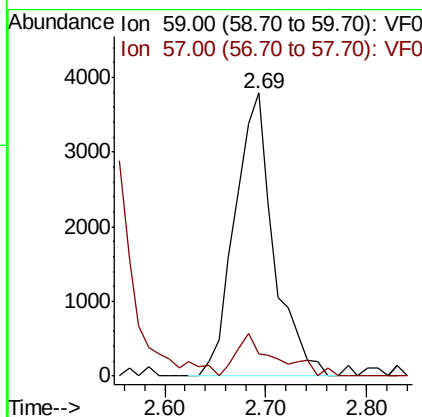
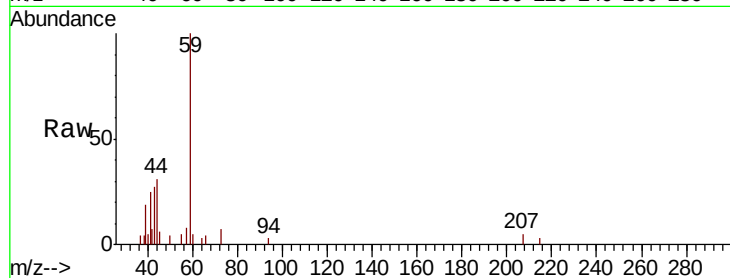
#11
Tert butyl alcohol
Concen: 143.07 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.8	7.6	11.4

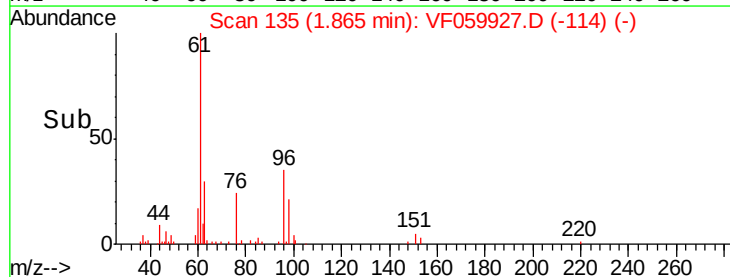
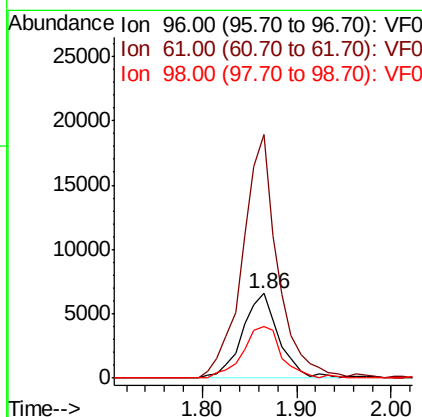
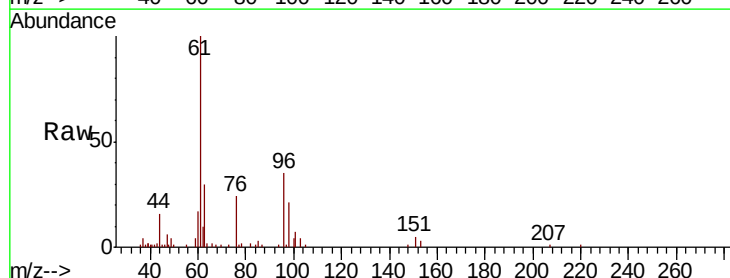
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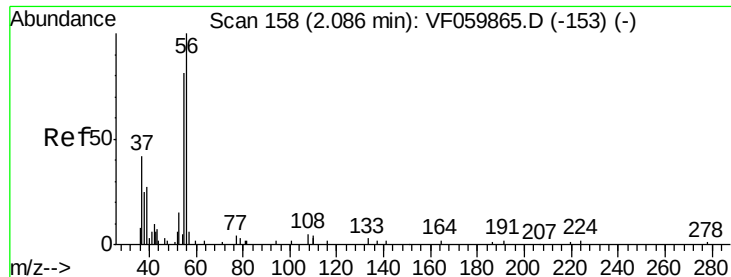
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#12
1,1-Dichloroethene
Concen: 20.07 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	287.9	230.2	345.2
98	60.4	52.7	79.1





#13

Acrolein

Concen: 86.43 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tot Ion: 56 Resp: 3673

Ion Ratio Lower Upper

56 100

55 89.5 64.6 96.8

Instrument :

MSVOA_F

ClientSampleId :

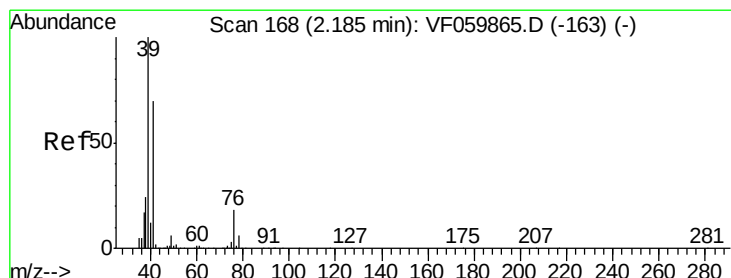
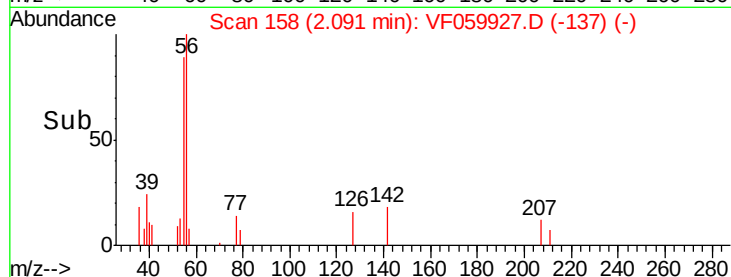
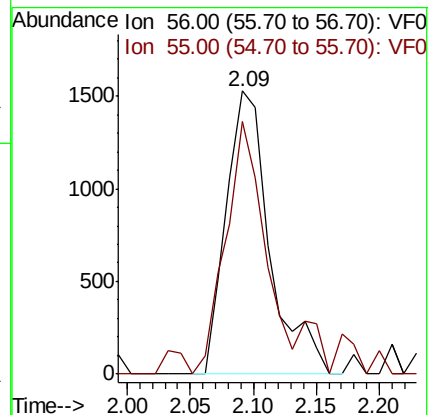
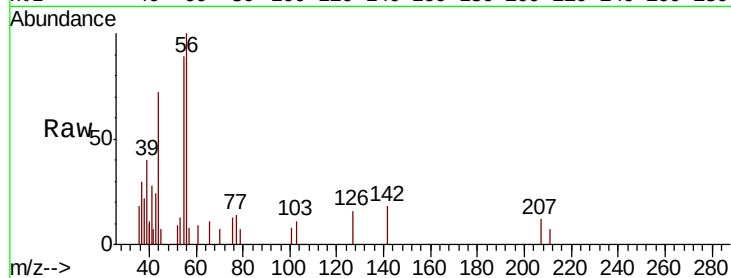
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#14

Allyl chloride

Concen: 13.42 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

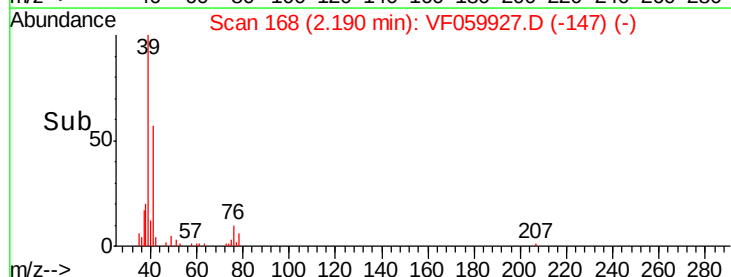
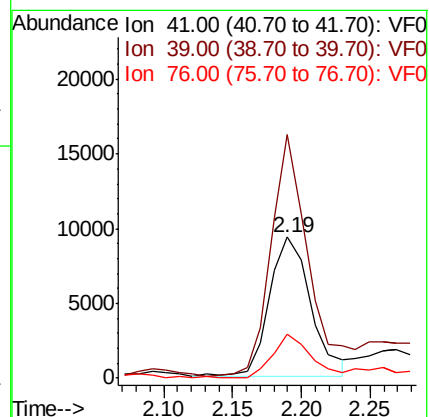
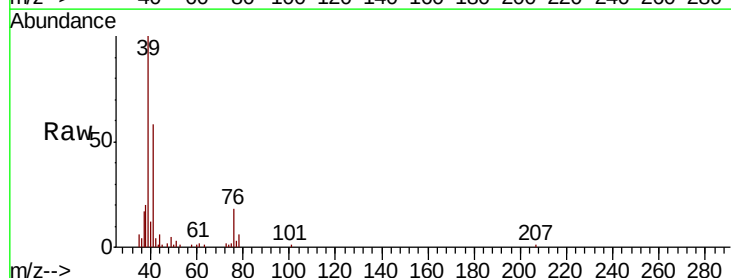
Tgt Ion: 41 Resp: 19495

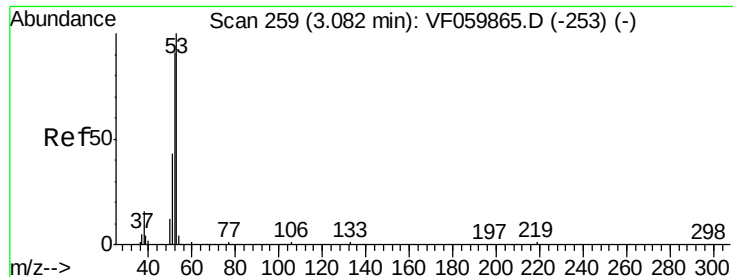
Ion Ratio Lower Upper

41 100

39 172.8 114.6 171.8#

76 30.9 21.0 31.4





#15

Acrylonitrile

Concen: 110.20 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

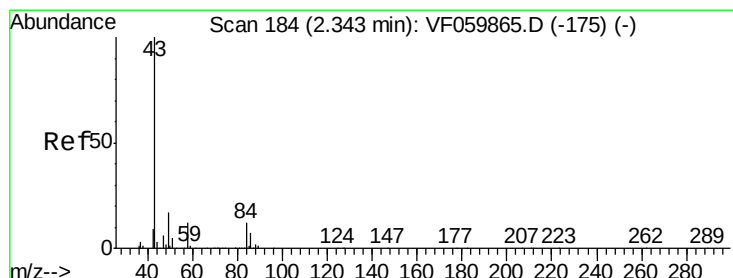
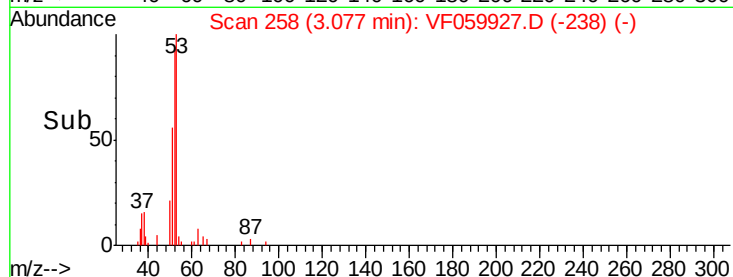
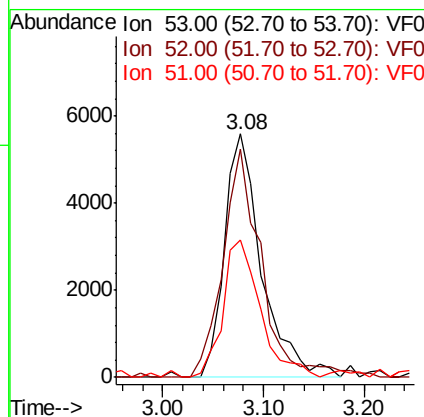
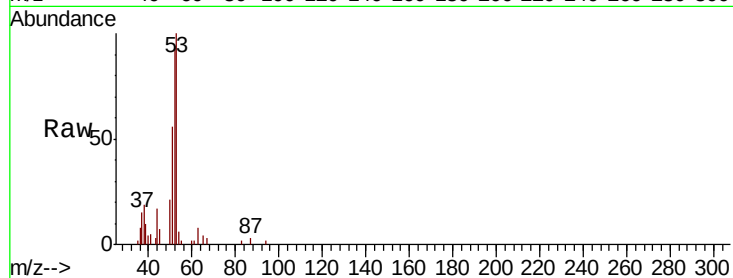
ClientSampleId :

VF0808SBS01

Tot Ion:	53	Resp:	14320
Ion	Ratio	Lower	Upper
53	100		
52	93.7	72.9	109.3
51	56.4	34.5	51.7#

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#16

Acetone

Concen: 117.84 ug/l

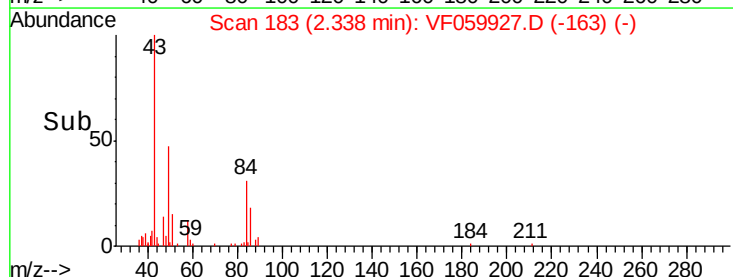
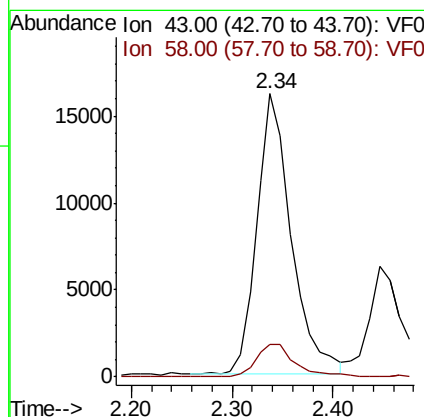
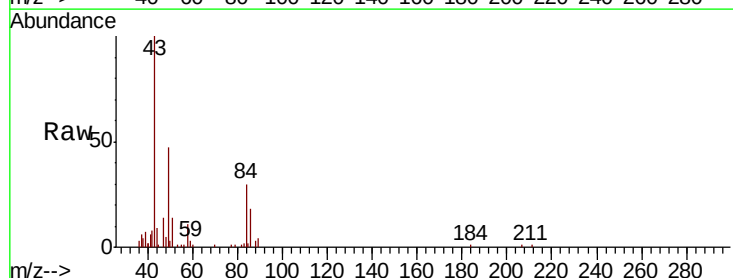
RT: 2.34 min Scan# 183

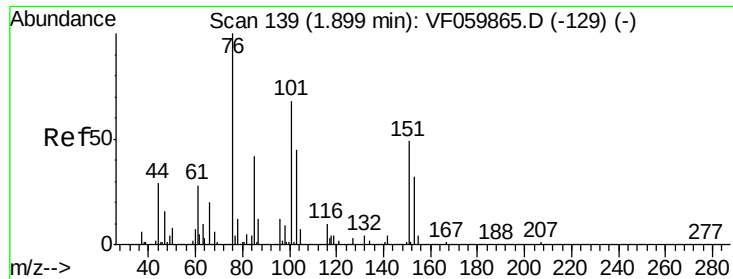
Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion:	43	Resp:	38245
Ion	Ratio	Lower	Upper
43	100		
58	11.5	9.4	14.0





#17

Carbon Disulfide

Concen: 19.61 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion: 76 Resp: 45610

Ion Ratio Lower Upper

76 100

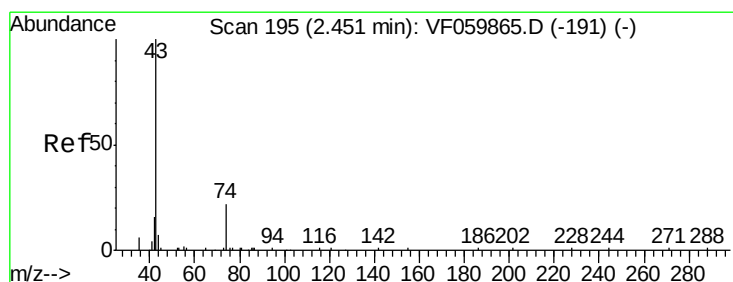
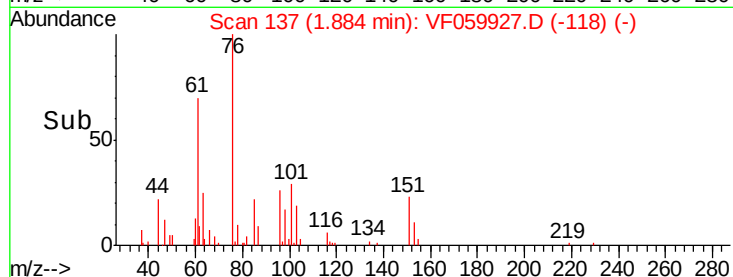
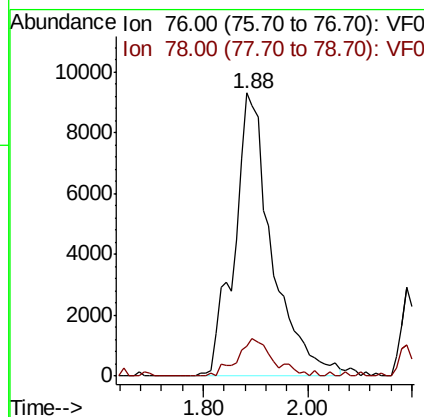
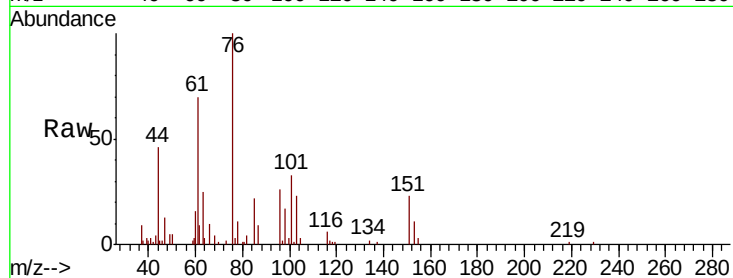
78 10.7 9.3 13.9

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#18

Methyl Acetate

Concen: 23.65 ug/l

RT: 2.45 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF059927.D

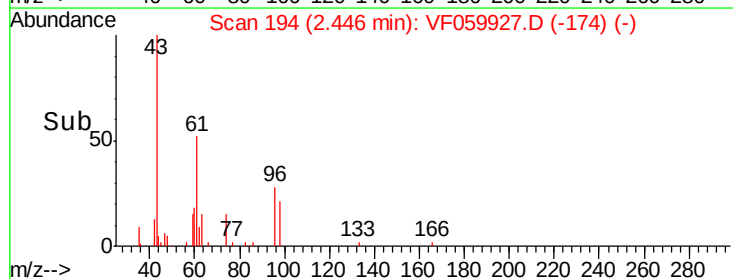
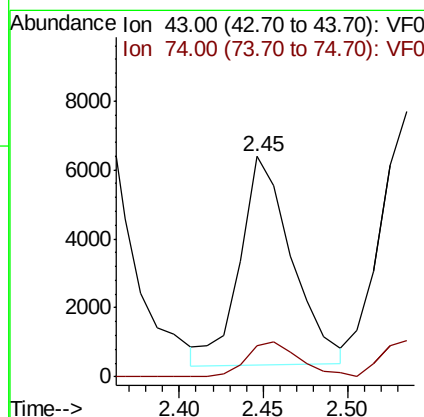
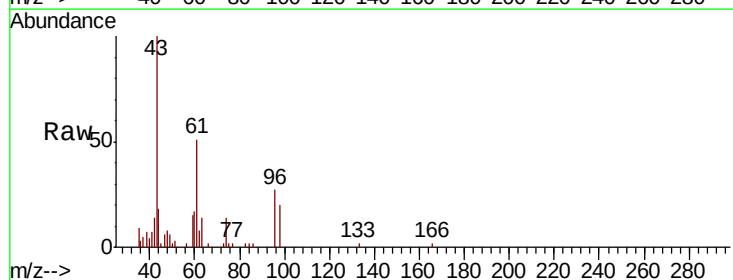
Acq: 8 Aug 2018 13:19

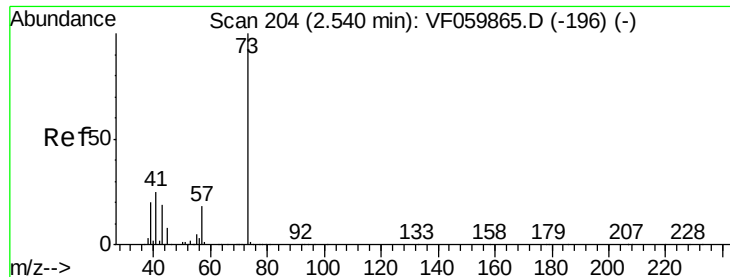
Tgt Ion: 43 Resp: 12948

Ion Ratio Lower Upper

43 100

74 14.2 16.3 24.5#





#19

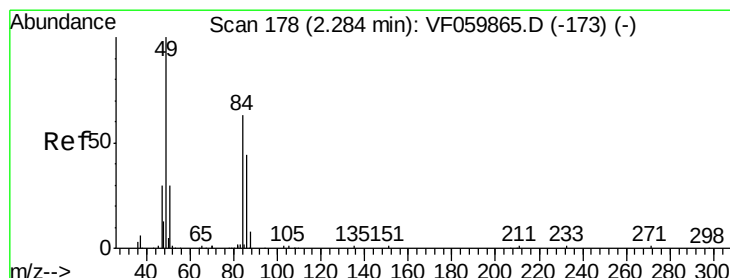
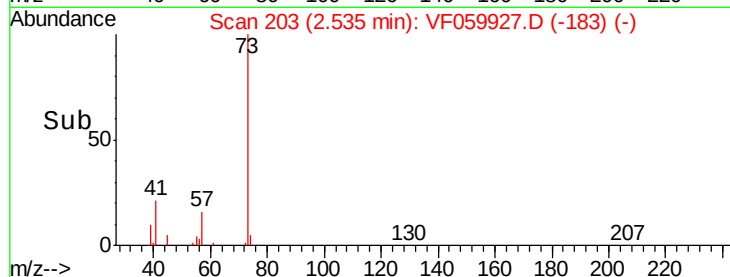
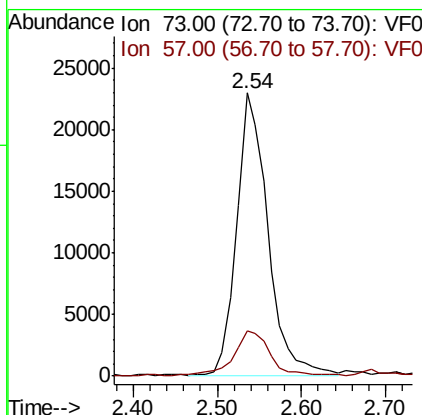
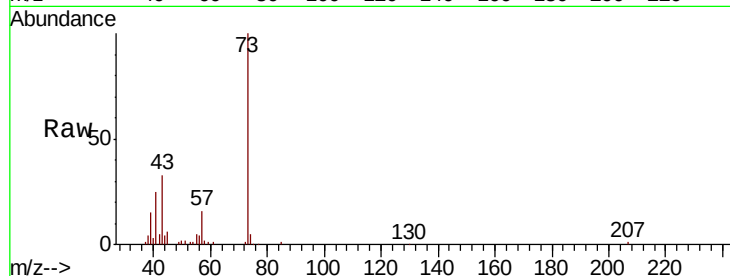
Methyl tert-butyl Ether
 Concen: 24.30 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. -0.00 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0808SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.2	14.3	21.5

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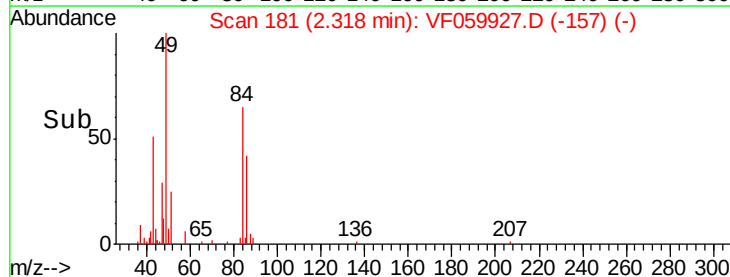
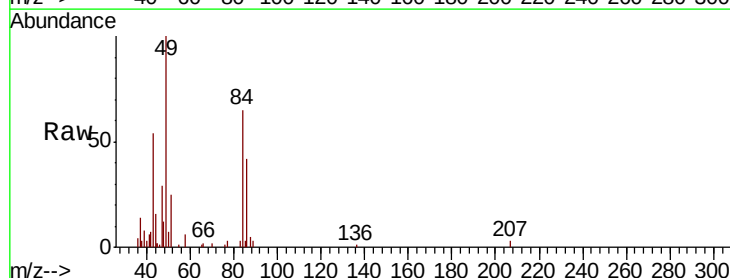
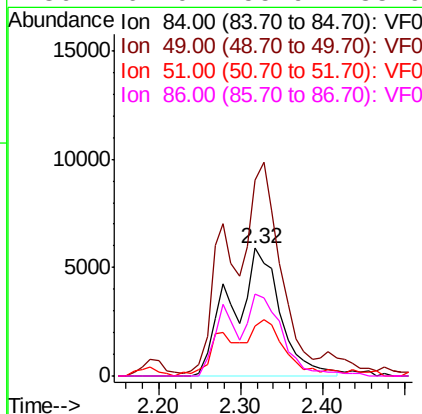
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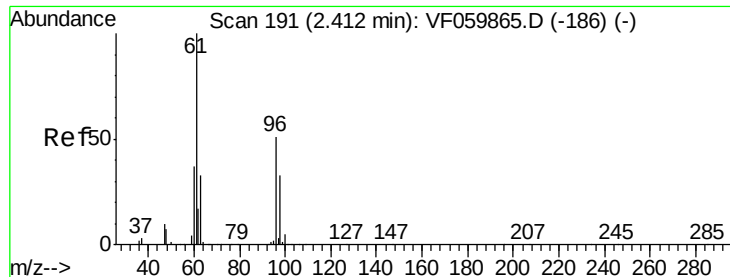


#20

Methylene Chloride
 Concen: 27.44 ug/l m
 RT: 2.32 min Scan# 181
 Delta R.T. 0.04 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.8	128.7	193.1
51	38.8	39.3	58.9#
86	64.0	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 20.29 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

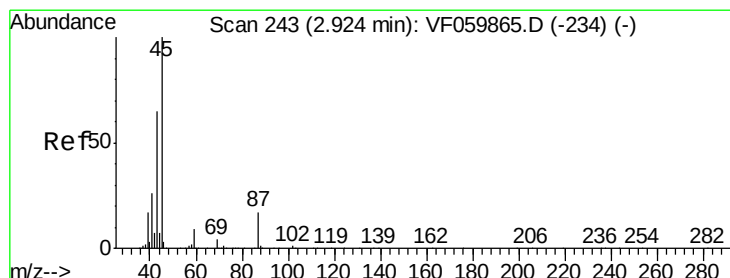
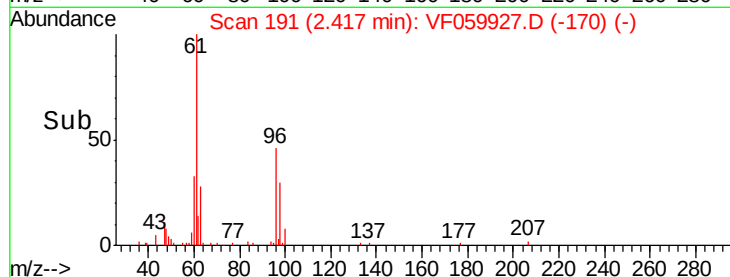
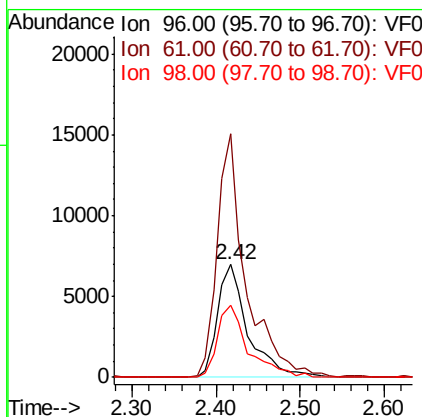
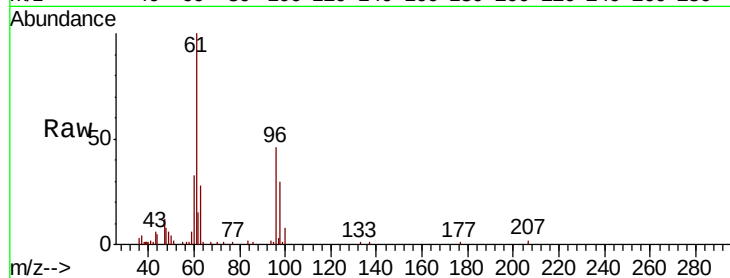
ClientSampleId :

VF0808SBS01

Tot Ion:	96	Resp:	17559
Ion	Ratio	Lower	Upper
96	100		
61	216.4	158.2	237.4
98	64.1	52.0	78.0

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#22

Diisopropyl ether

Concen: 21.85 ug/l

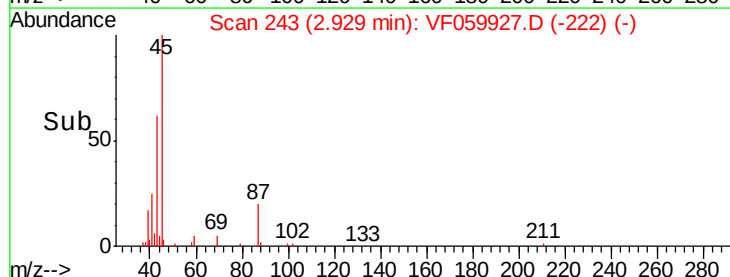
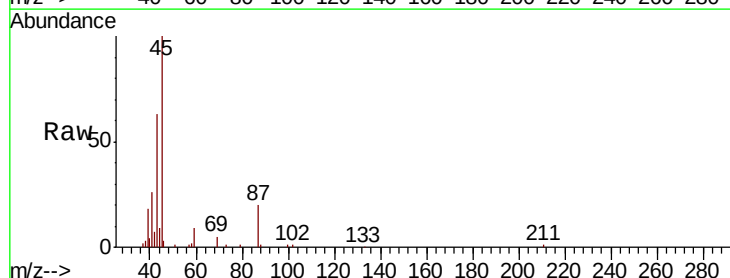
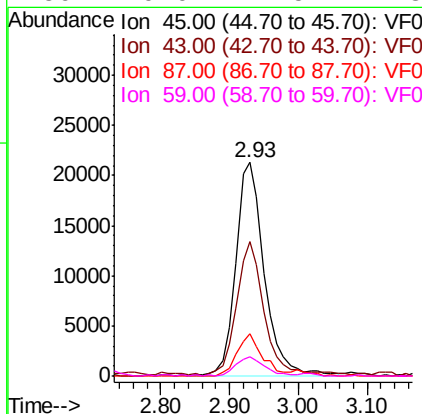
RT: 2.93 min Scan# 243

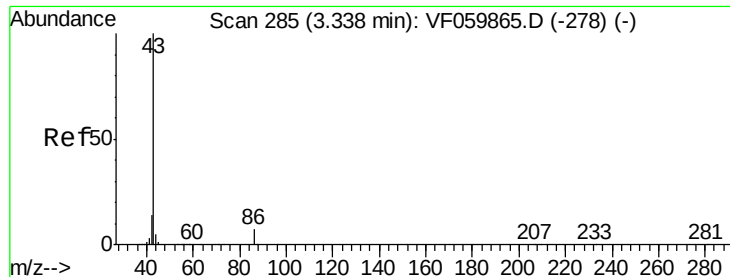
Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion:	45	Resp:	61042
Ion	Ratio	Lower	Upper
45	100		
43	63.1	52.1	78.1
87	19.9	13.8	20.8
59	9.0	7.5	11.3





#23

Vinyl Acetate

Concen: 116.32 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion: 43 Resp: 157320

Ion Ratio Lower Upper

43 100

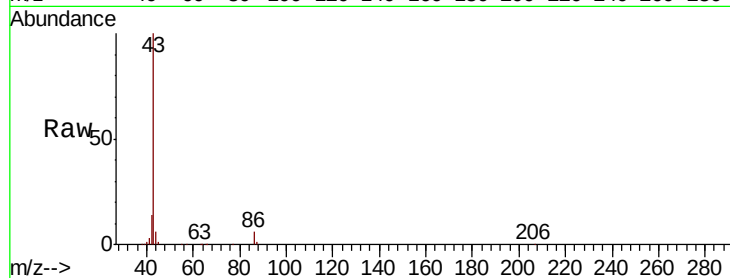
86 6.1 5.6 8.4

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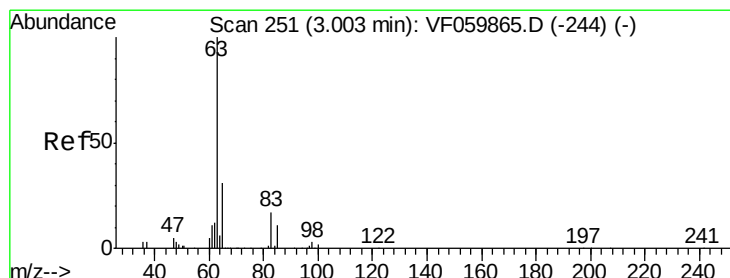
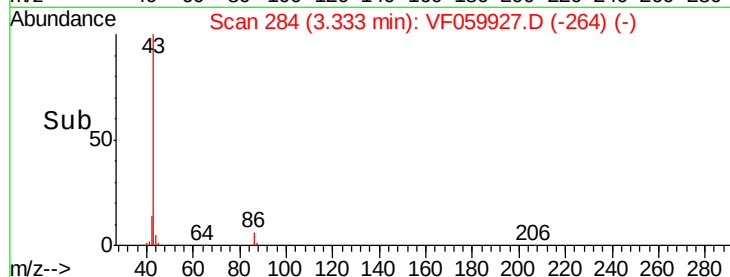
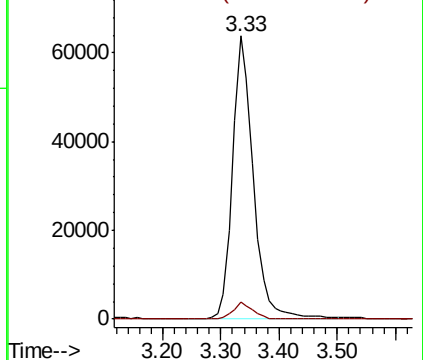
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 20.48 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

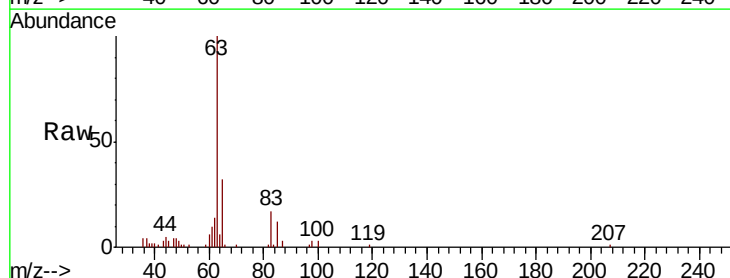
Tgt Ion: 63 Resp: 41674

Ion Ratio Lower Upper

63 100

98 3.3 1.9 5.7

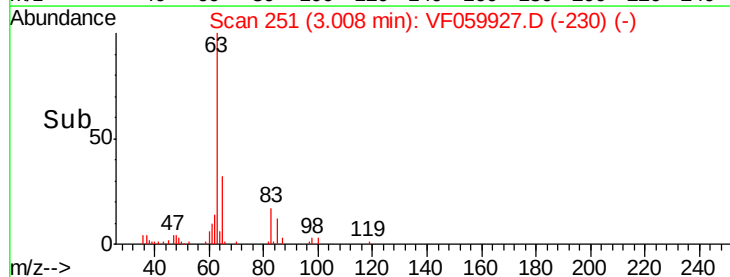
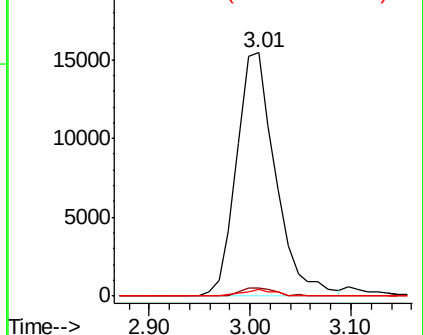
100 2.8 1.1 3.5

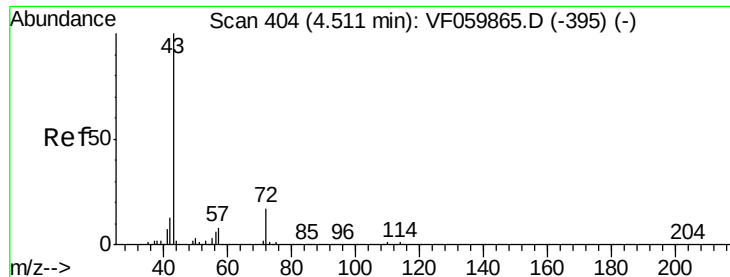


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 129.65 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion: 43 Resp: 45753

Ion Ratio Lower Upper

43 100

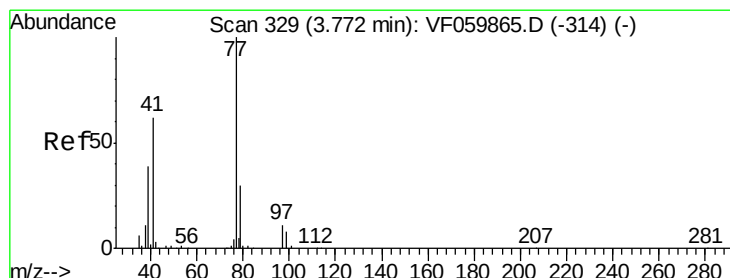
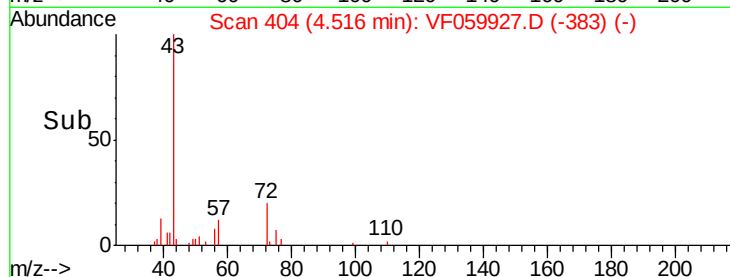
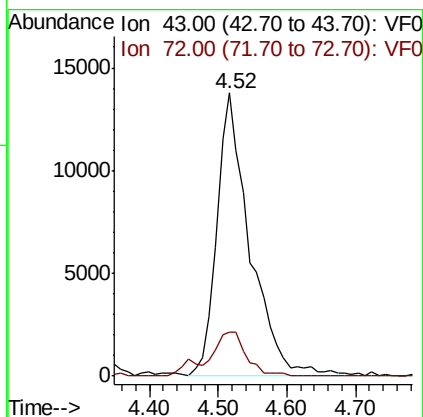
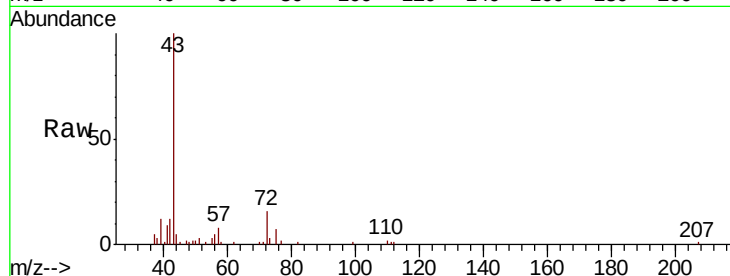
72 15.7 13.9 20.9

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#26

2,2-Dichloropropane

Concen: 16.62 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF059927.D

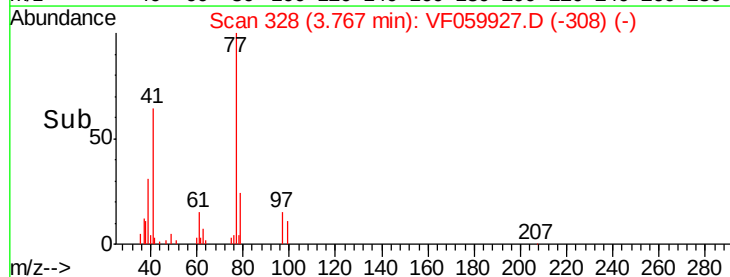
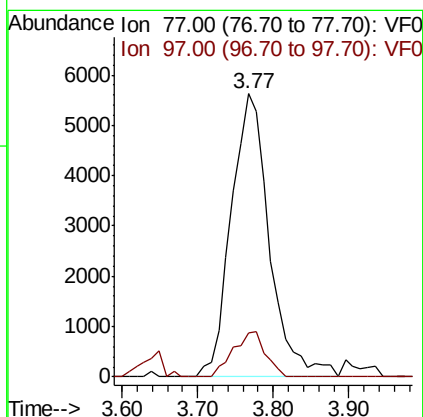
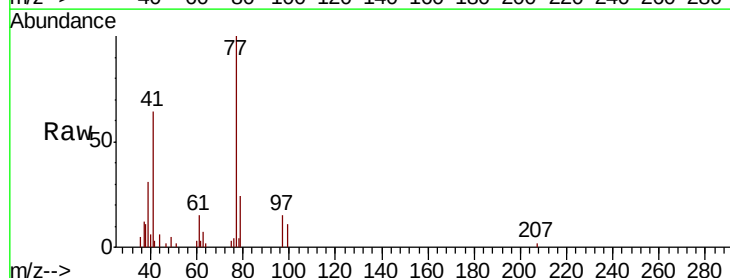
Acq: 8 Aug 2018 13:19

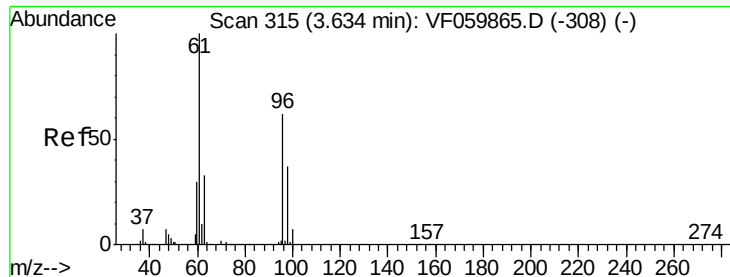
Tgt Ion: 77 Resp: 19682

Ion Ratio Lower Upper

77 100

97 15.4 6.8 20.3





#27

cis-1,2-Dichloroethene

Concen: 21.07 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

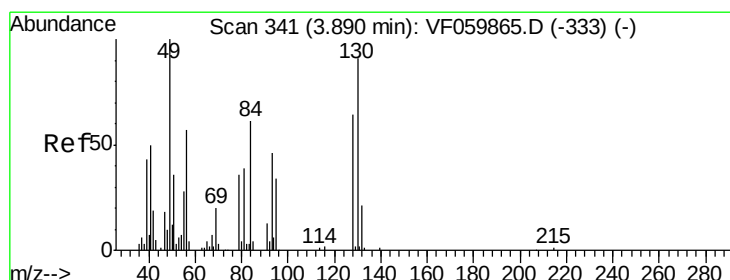
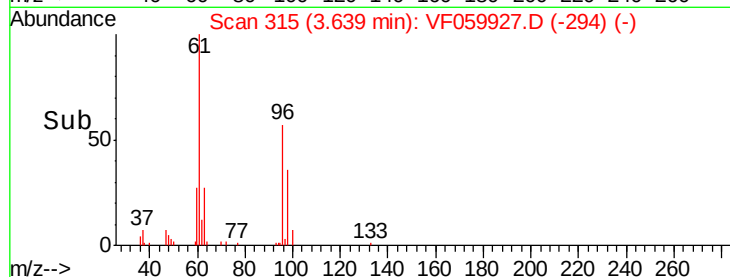
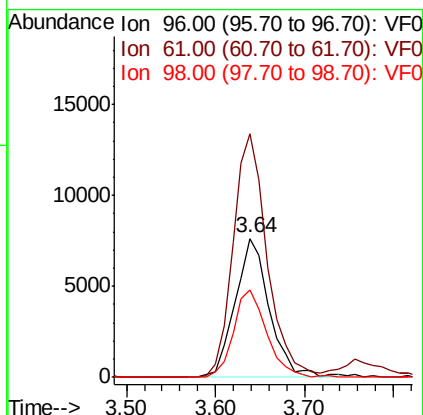
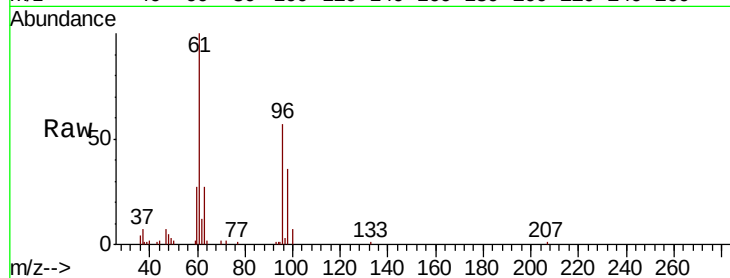
ClientSampleId :

VF0808SBS01

Tot Ion:	96	Resp:	20497
Ion	Ratio	Lower	Upper
96	100		
61	175.4	0.0	320.8
98	62.7	0.0	117.6

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#28

Bromochloromethane

Concen: 21.73 ug/l

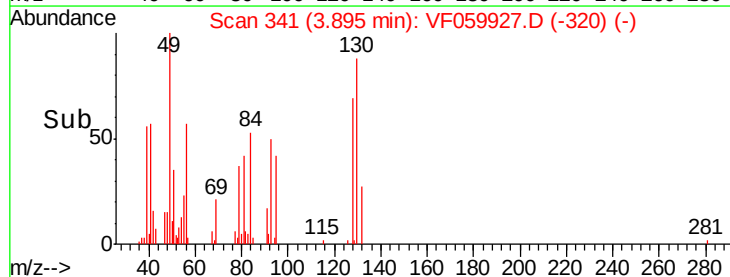
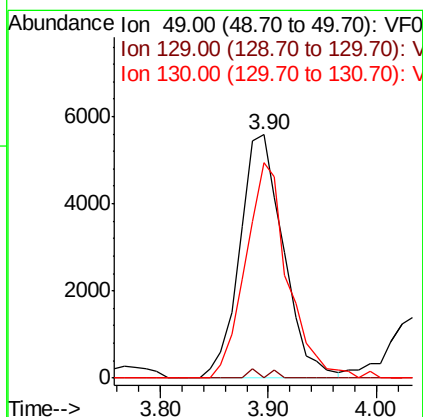
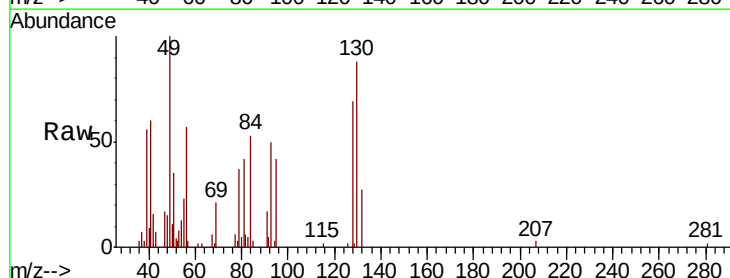
RT: 3.90 min Scan# 341

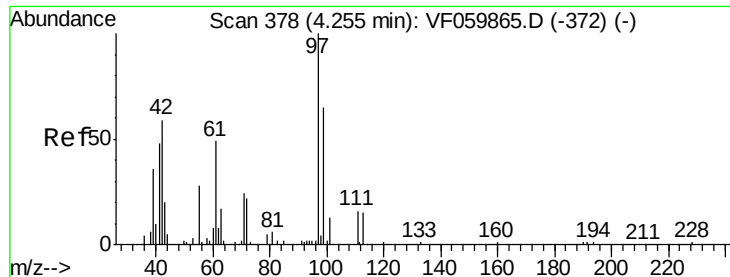
Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion:	49	Resp:	15610
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	88.4	73.8	110.8





#29

Tetrahydrofuran

Concen: 137.34 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

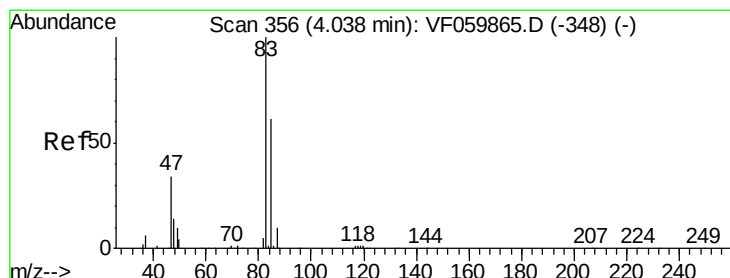
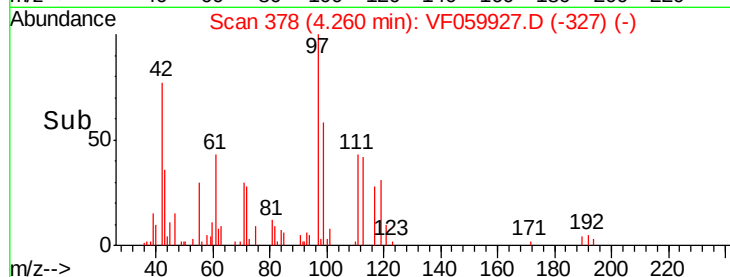
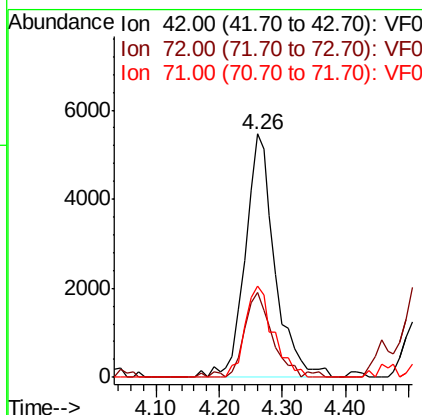
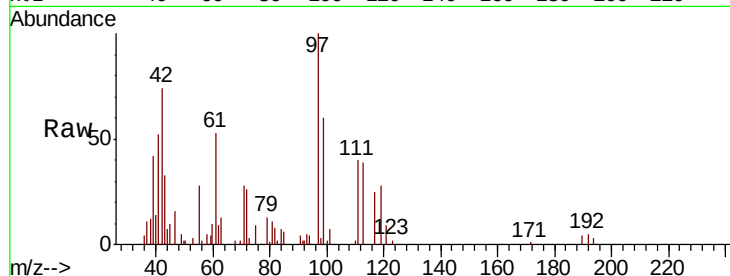
ClientSampleId :

VF0808SBS01

Tot Ion:	42	Resp:	17842
Ion Ratio	Lower	Upper	
42	100		
72	31.6	29.3	43.9
71	35.4	30.0	45.0

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#30

Chloroform

Concen: 20.27 ug/l

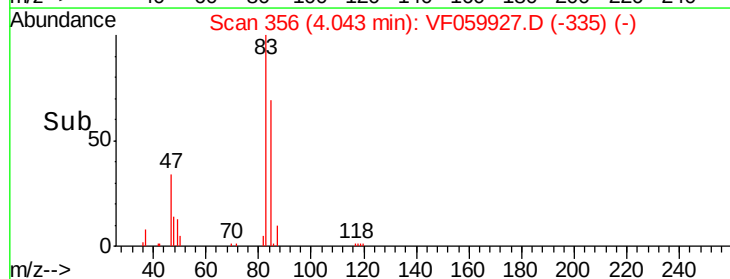
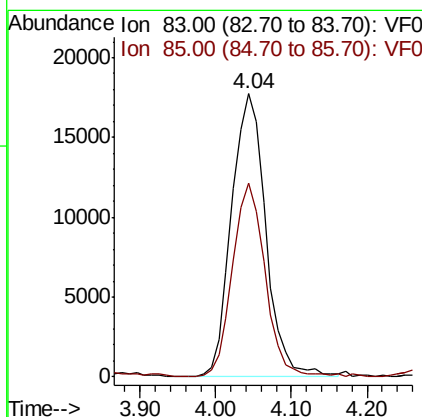
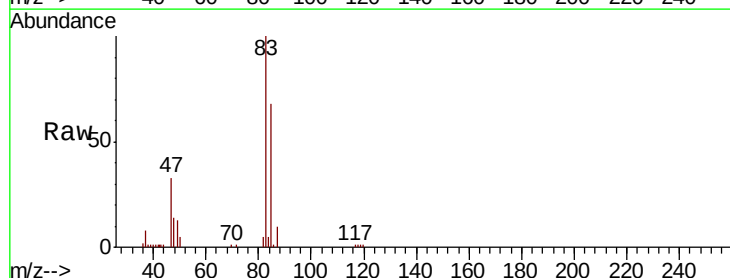
RT: 4.04 min Scan# 356

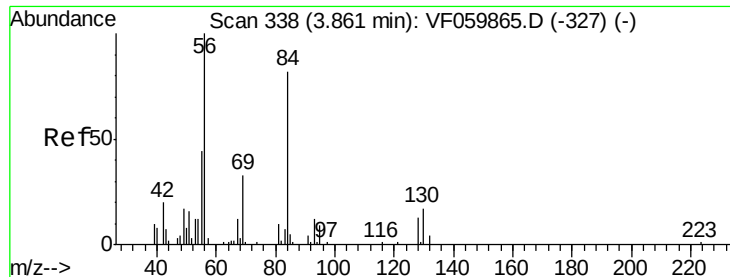
Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion:	83	Resp:	55797
Ion Ratio	Lower	Upper	
83	100		
85	68.3	49.3	73.9





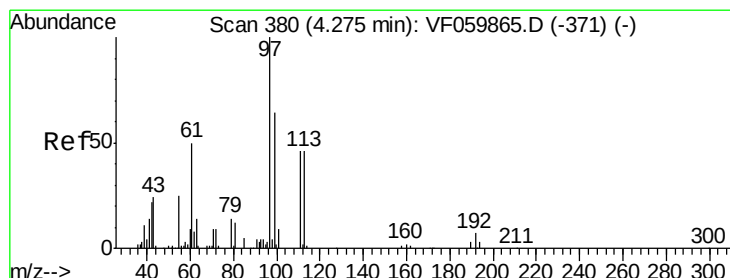
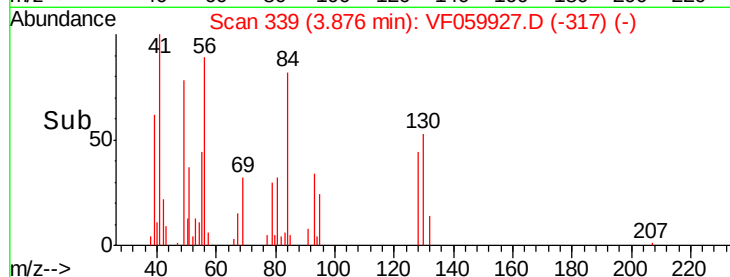
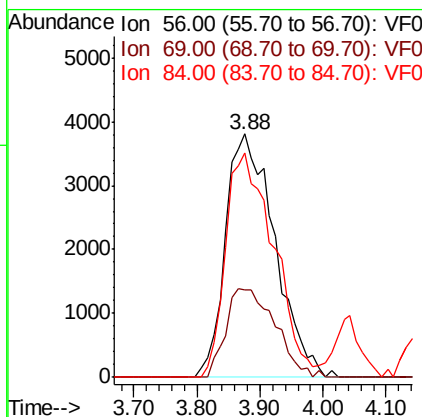
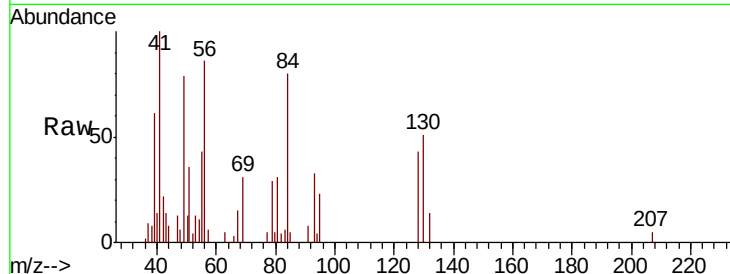
#31
Cyclohexane
Concen: 20.48 ug/l
RT: 3.88 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	26.7	40.1
84	92.2	65.9	98.9

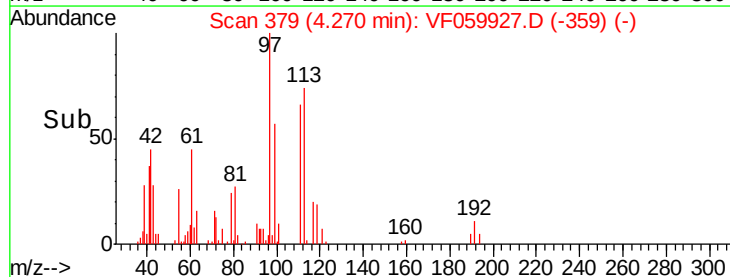
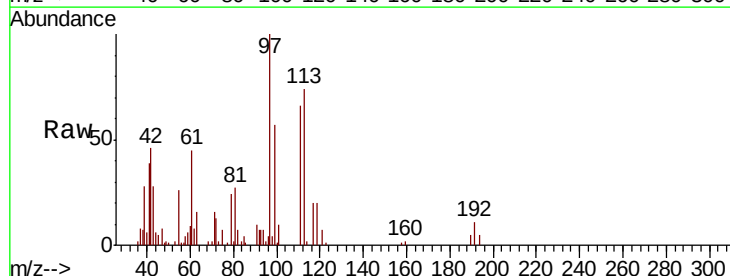
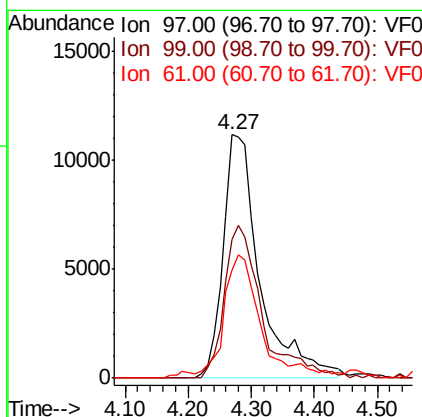
Manual Integrations
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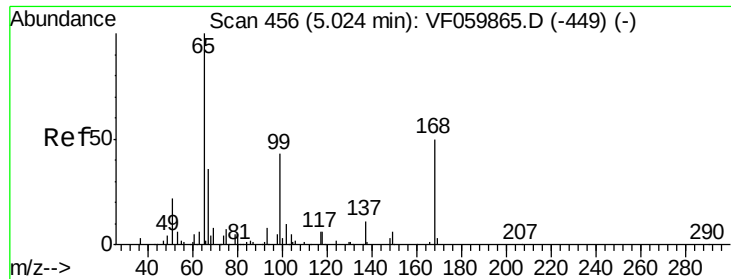
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#32
1,1,1-Trichloroethane
Concen: 20.64 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.1	51.4	77.2
61	44.5	40.8	61.2





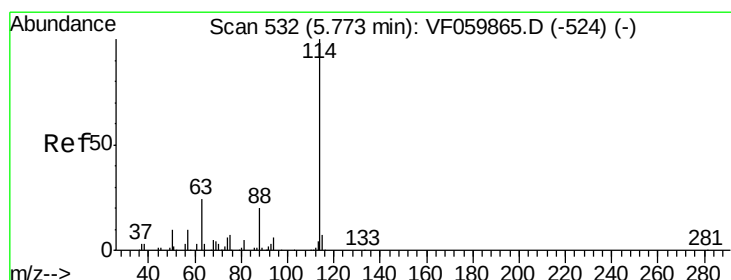
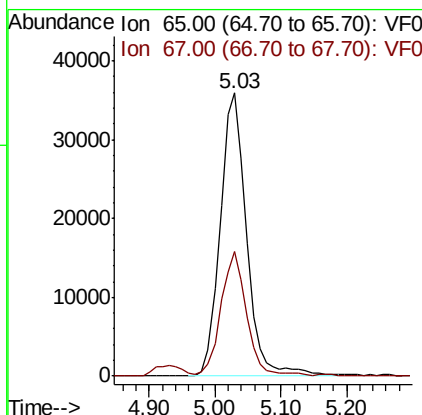
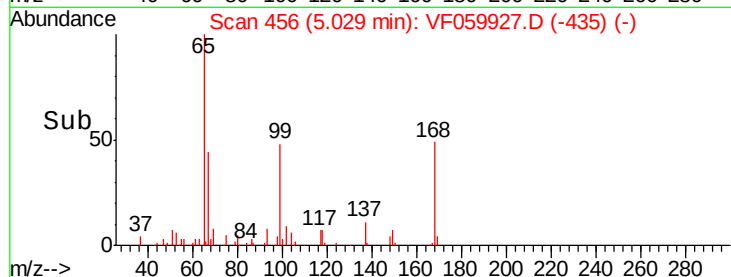
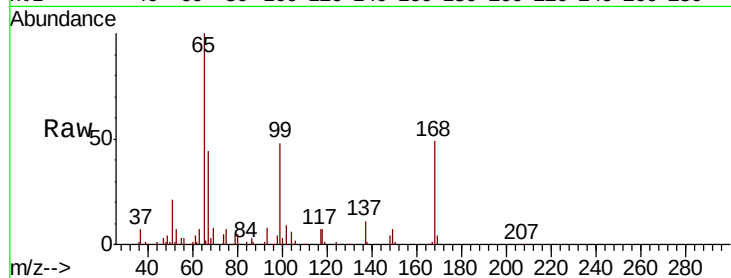
#33
 1,2-Dichloroethane-d4
 Concen: 57.19 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	100543		
67	43.9	0.0	77.2	

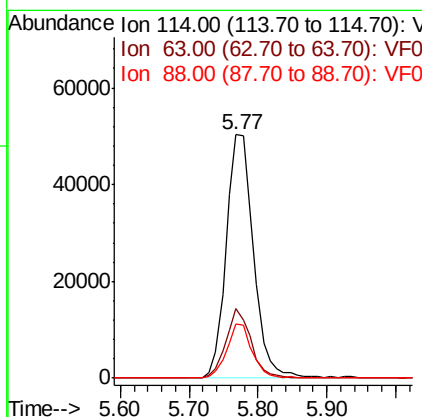
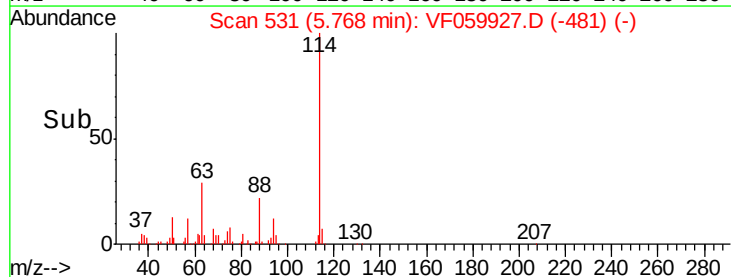
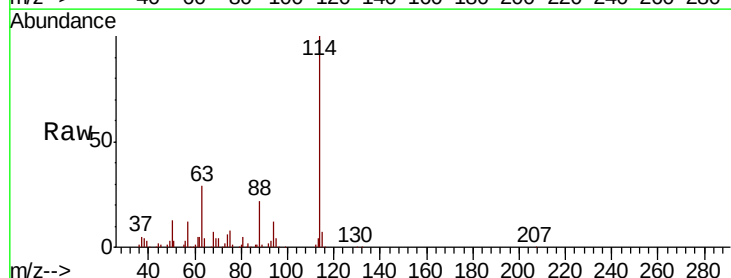
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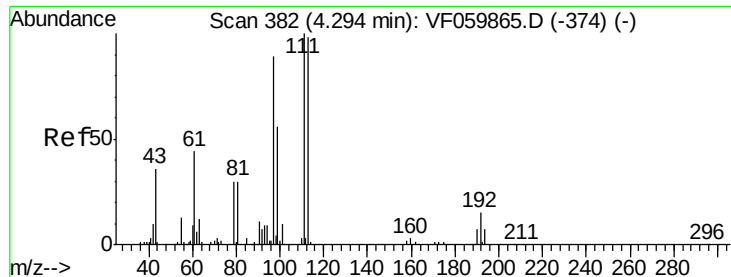
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	138127		
63	28.8	0.0	48.0	
88	22.1	0.0	39.4	





#35

Dibromofluoromethane

Concen: 56.88 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

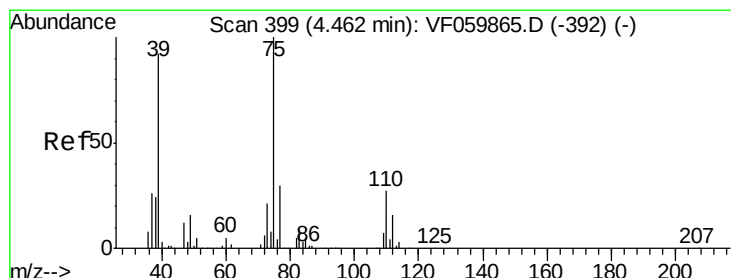
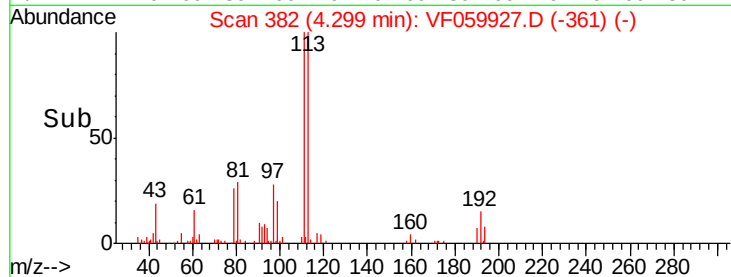
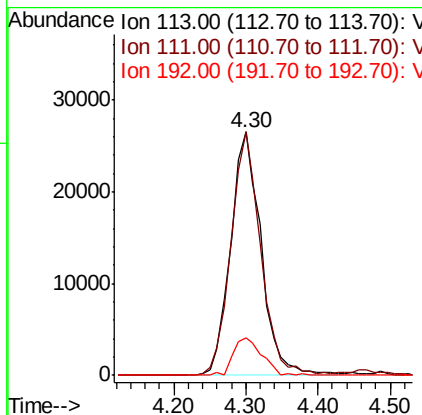
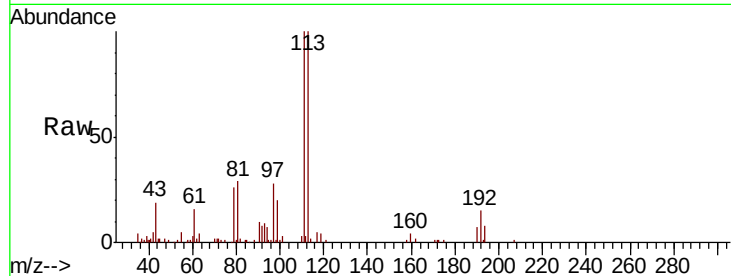
ClientSampleId :

VF0808SBS01

Tot Ion:	113	Resp:	78169
Ion Ratio	Lower	Upper	
113	100		
111	100.2	81.8	122.8
192	15.2	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 19.86 ug/l

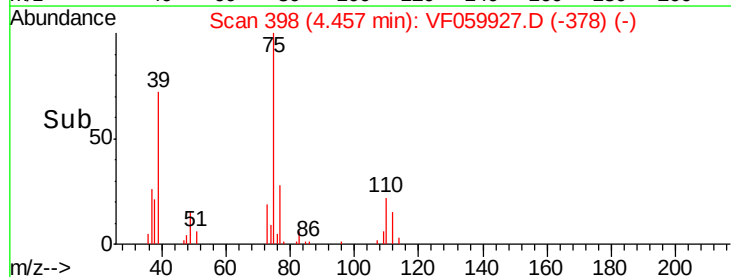
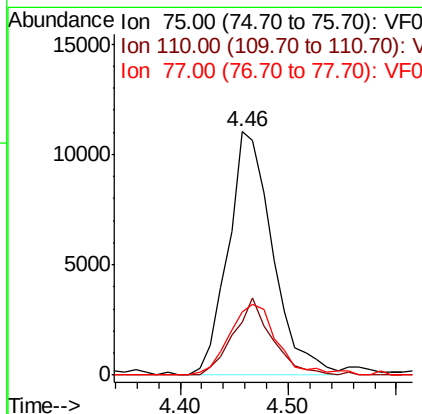
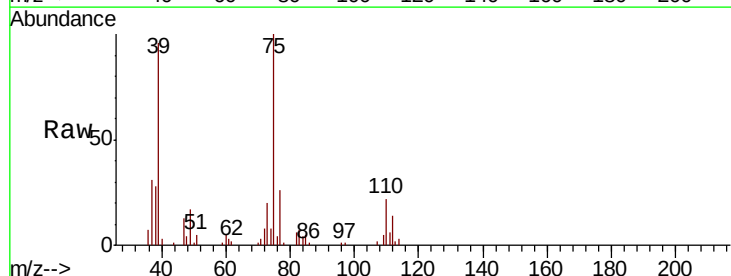
RT: 4.46 min Scan# 398

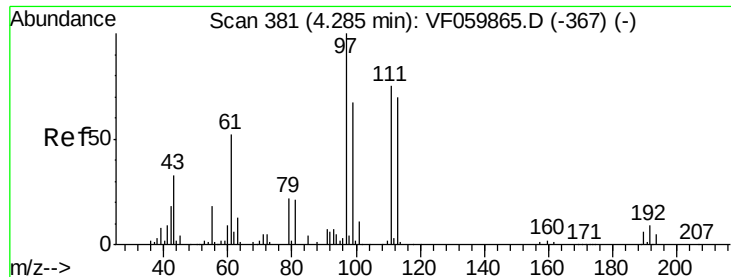
Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion:	75	Resp:	31733
Ion Ratio	Lower	Upper	
75	100		
110	21.9	13.6	40.7
77	25.9	23.7	35.5





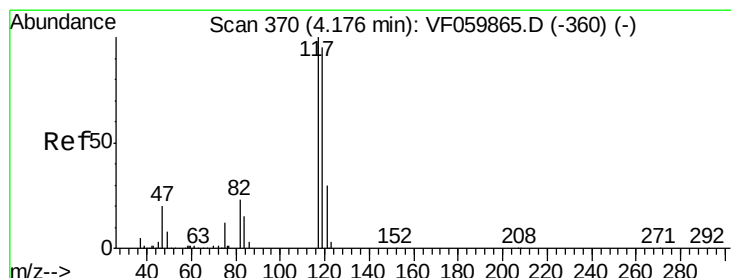
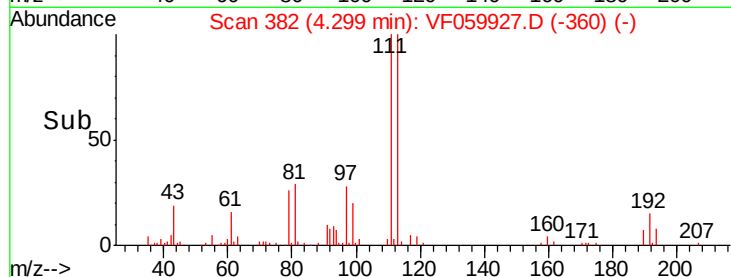
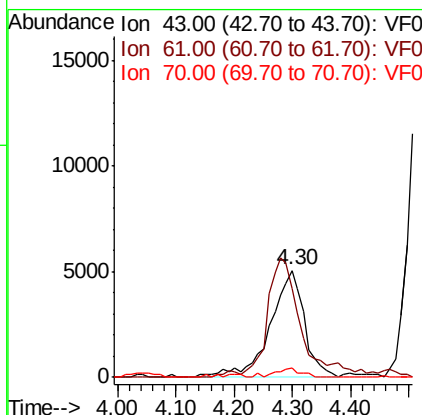
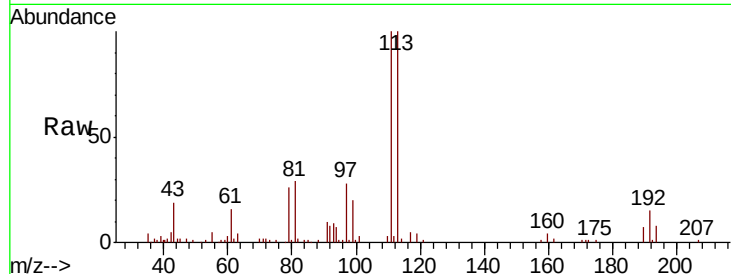
#37
Ethyl Acetate
Concen: 30.27 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	82.7	123.7	185.5#
70	8.2	7.8	11.8

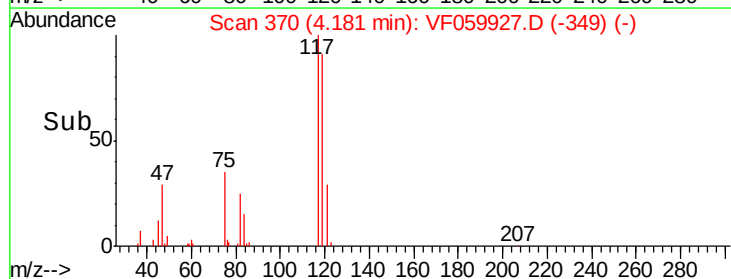
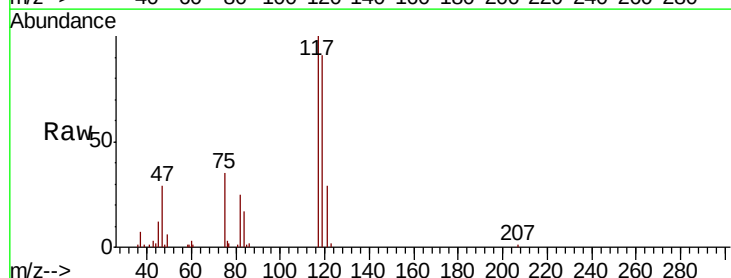
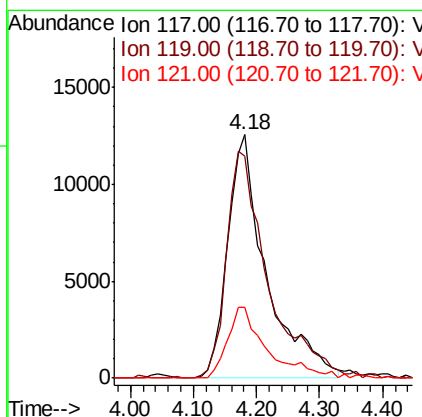
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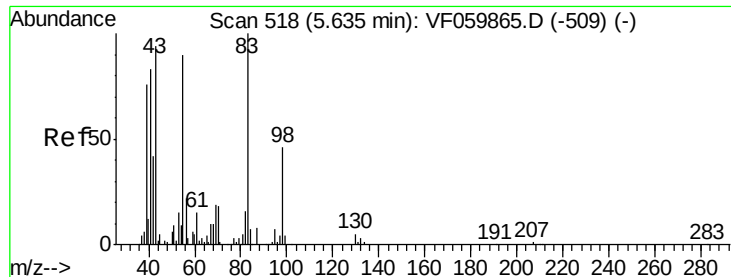
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#38
Carbon Tetrachloride
Concen: 23.46 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	76.5	114.7
121	29.2	23.8	35.8





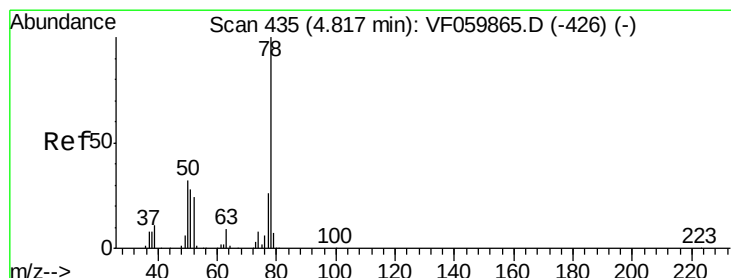
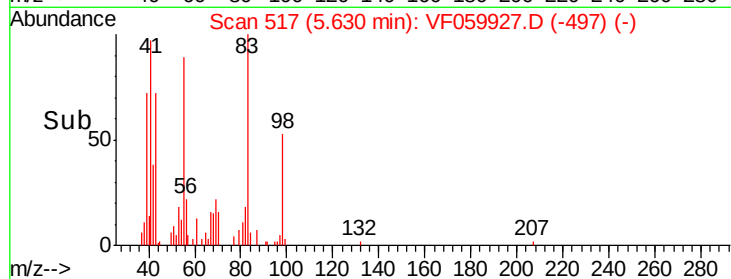
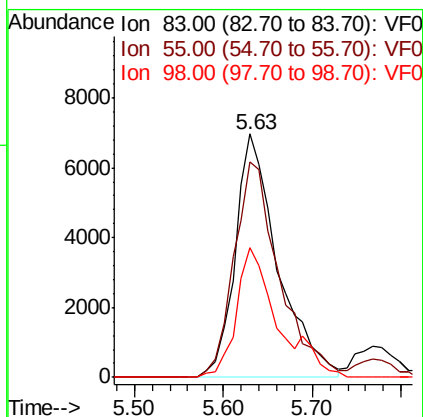
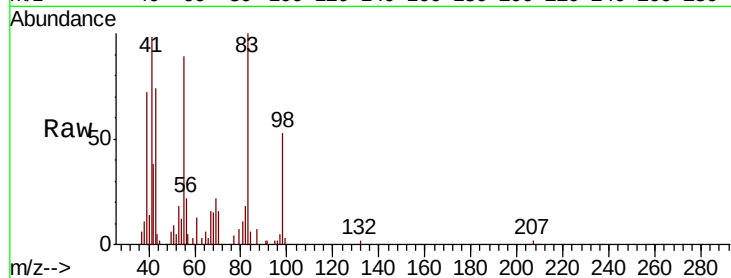
#39
Methylvlcyclohexane
Concen: 19.32 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.5	72.0	108.0
98	53.1	36.6	54.8

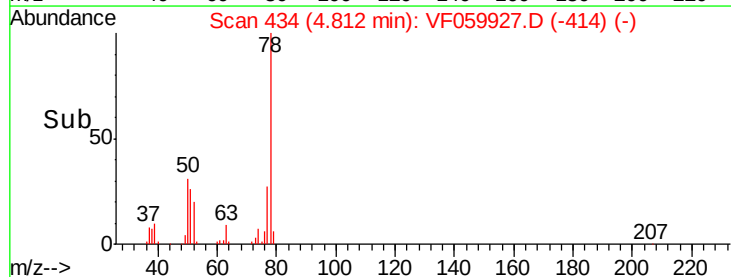
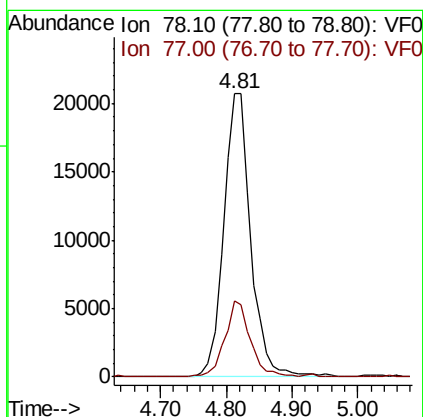
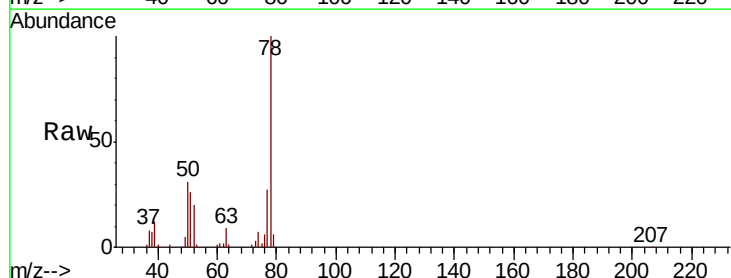
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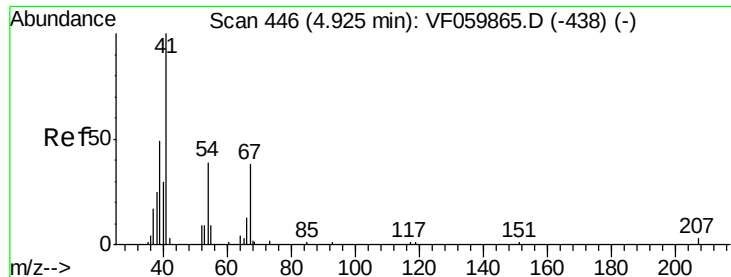
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#40
Benzene
Concen: 19.81 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.0	20.7	31.1





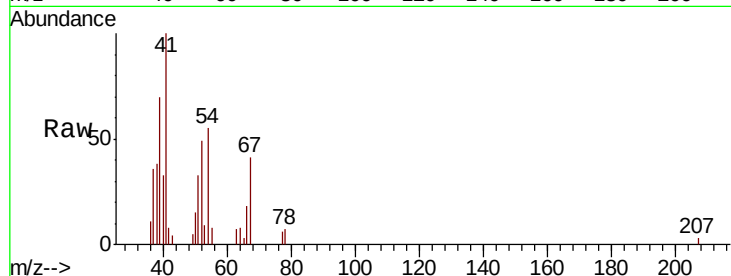
#41
Methacrylonitrile
Concen: 25.40 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion:	41	Resp:	9197
Ion	Ratio	Lower	Upper
41	100		
39	69.5	55.1	82.7
67	41.1	30.3	45.5
52	48.9	36.0	54.0

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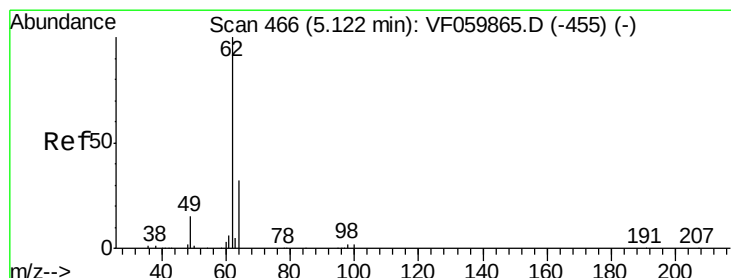
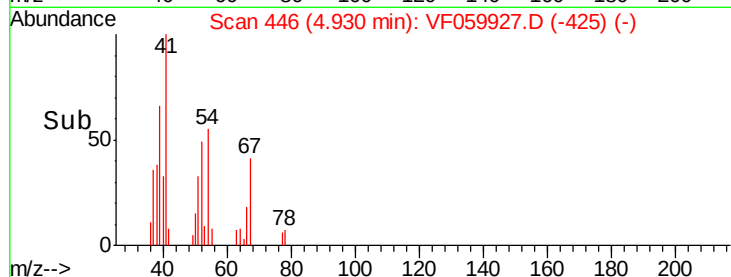
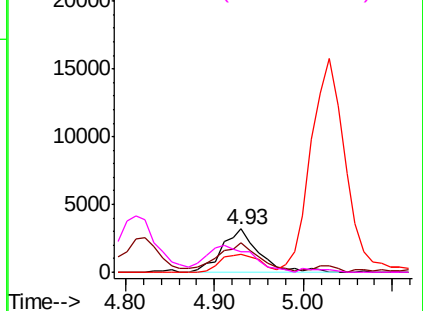
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

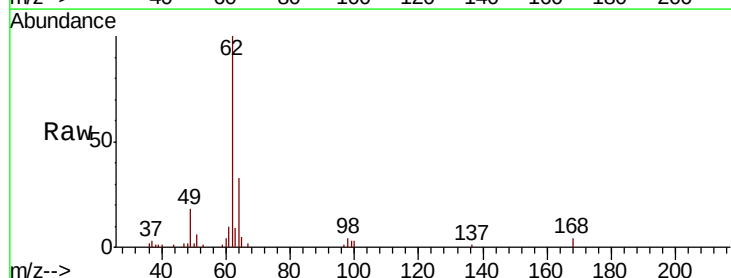
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 21.45 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

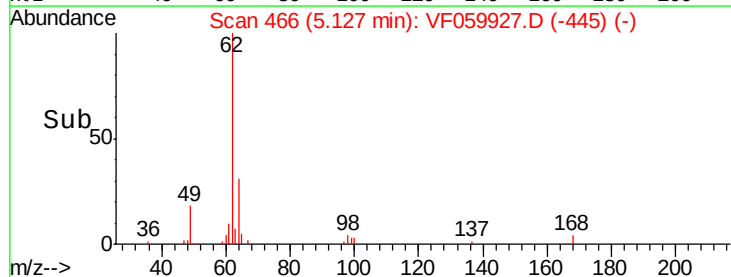
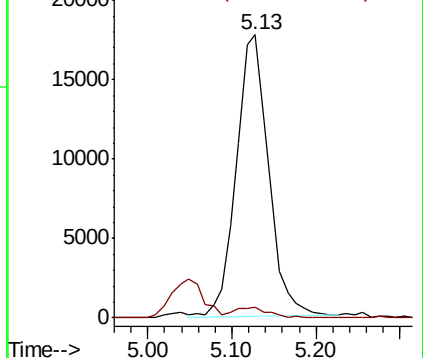
Tgt Ion:	62	Resp:	47458
Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	7.6

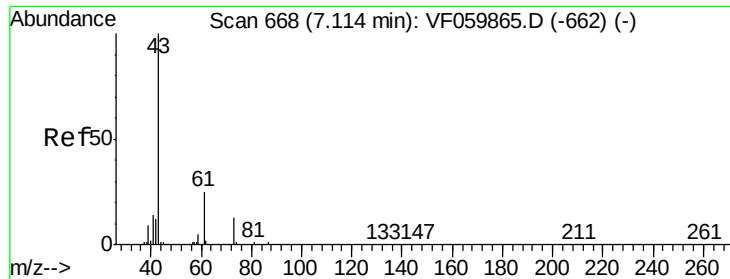


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





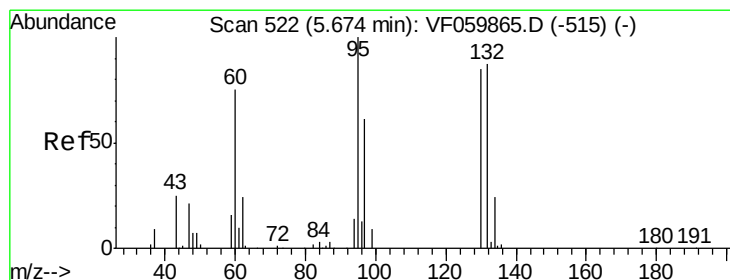
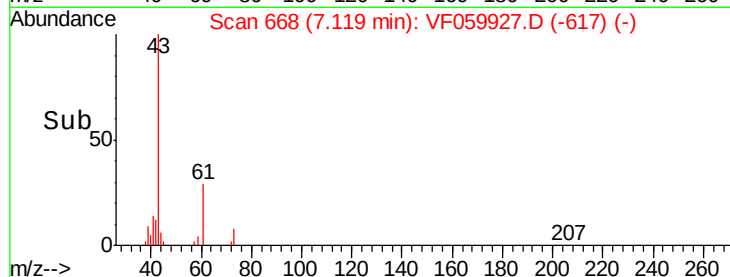
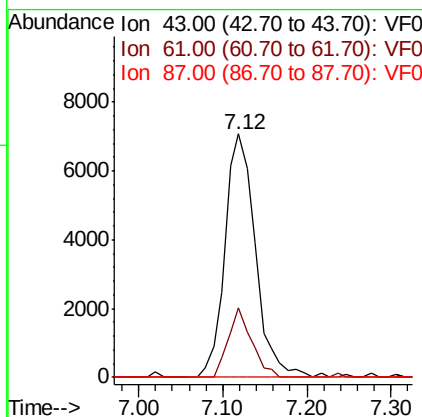
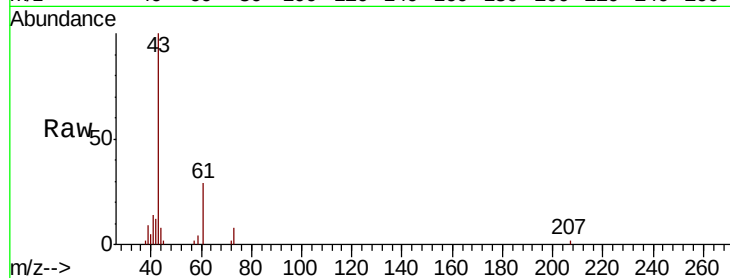
#43
Isopropyl Acetate
Concen: 25.23 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	20.3	30.5
87	0.0	0.7	1.1#

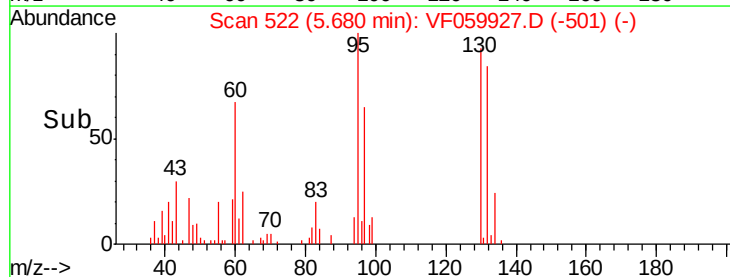
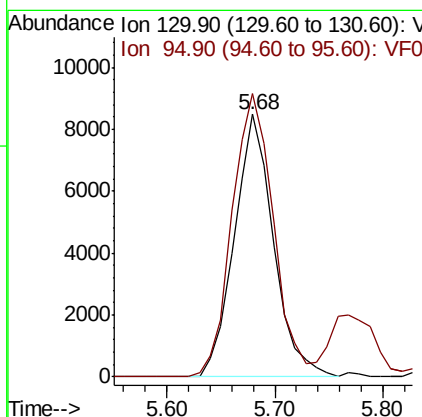
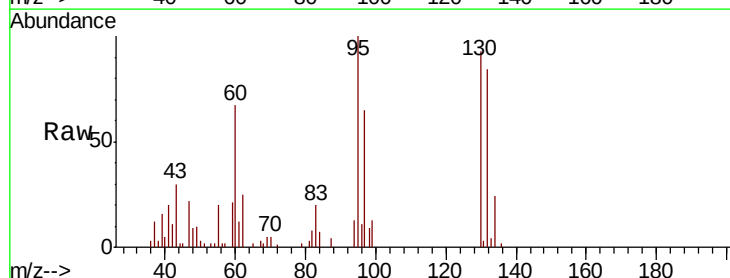
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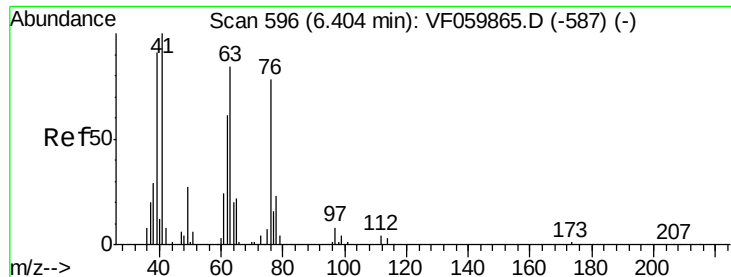
apatel
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#44
Trichloroethene
Concen: 20.03 ug/l
RT: 5.68 min Scan# 522
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	236.8





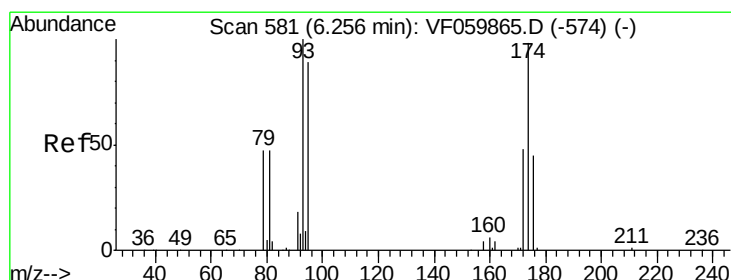
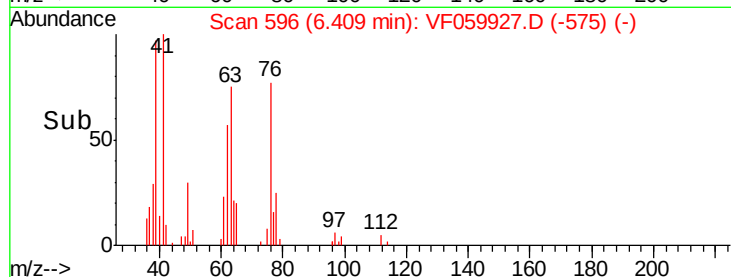
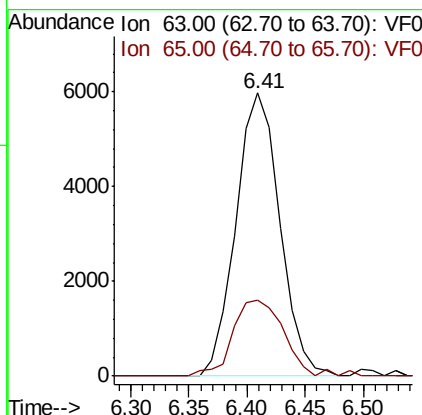
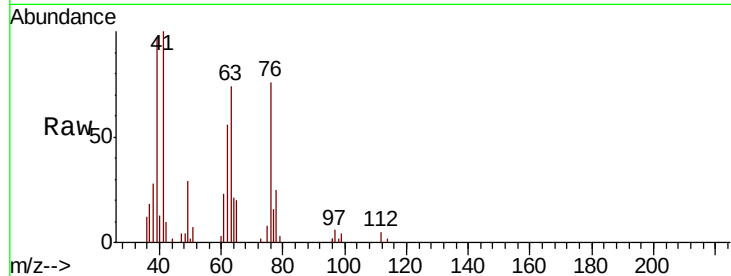
#45
 1,2-Dichloropropane
 Concen: 21.31 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBS01

Tot Ion: 63 Resp: 15625
 Ion Ratio Lower Upper
 63 100
 65 26.9 20.4 30.6

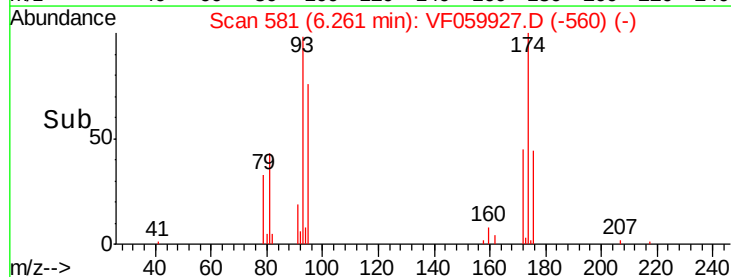
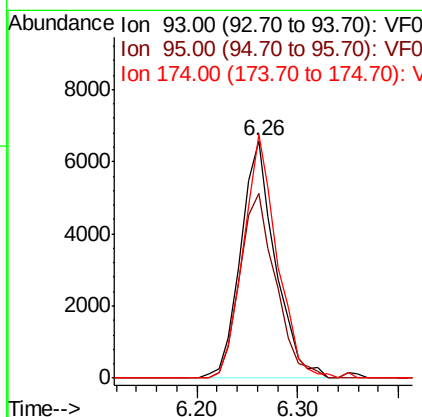
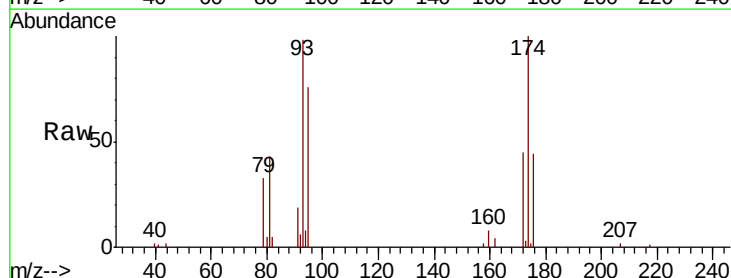
Manual Integrations
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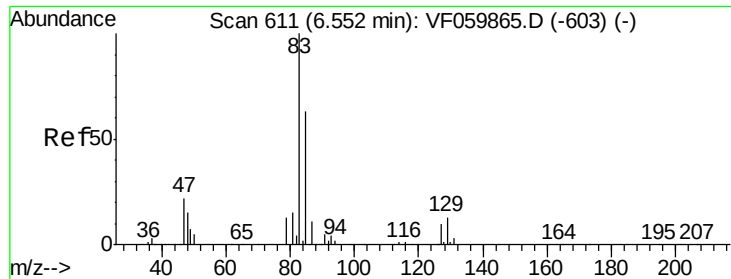
apatel
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#46
 Dibromomethane
 Concen: 21.28 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Tgt Ion: 93 Resp: 15740
 Ion Ratio Lower Upper
 93 100
 95 77.8 71.4 107.2
 174 102.6 78.1 117.1





#47

Bromodichloromethane

Concen: 22.45 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

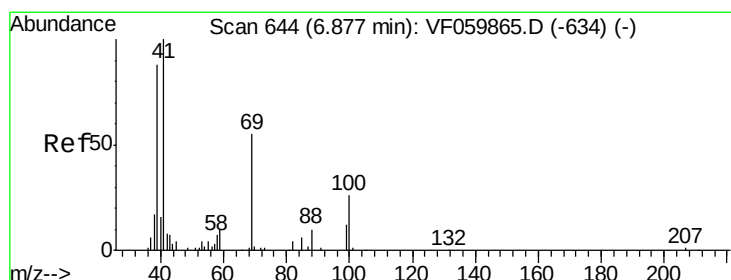
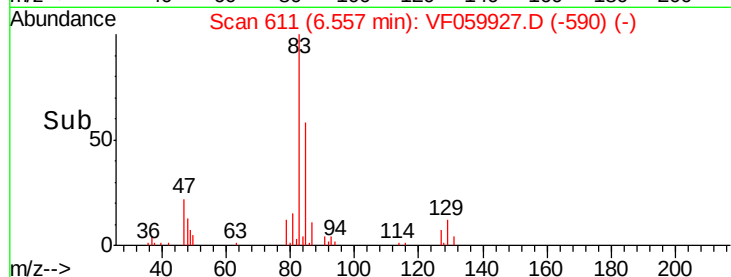
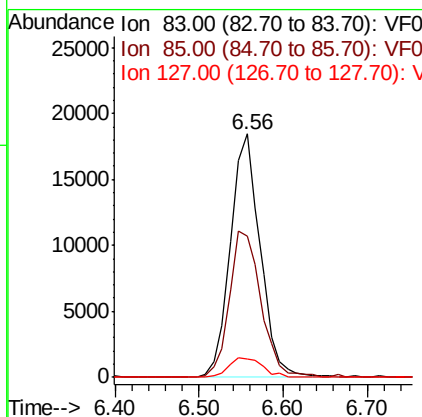
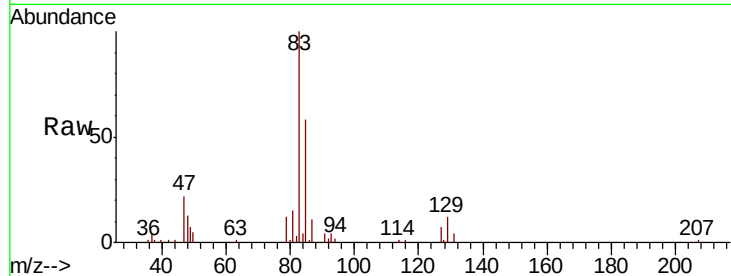
ClientSampleId :

VF0808SBS01

Tot Ion	83	Resp	45428
Ion Ratio	100	Lower	Upper
83	100		
85	58.1	50.7	76.1
127	7.4	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 25.57 ug/l

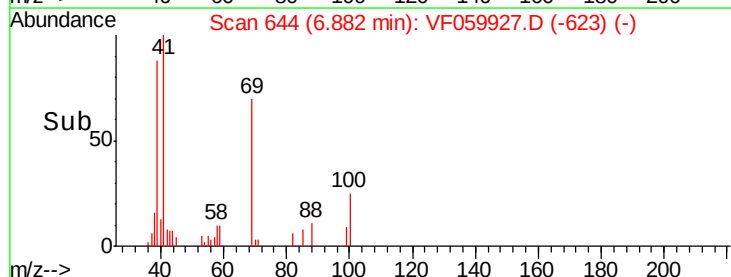
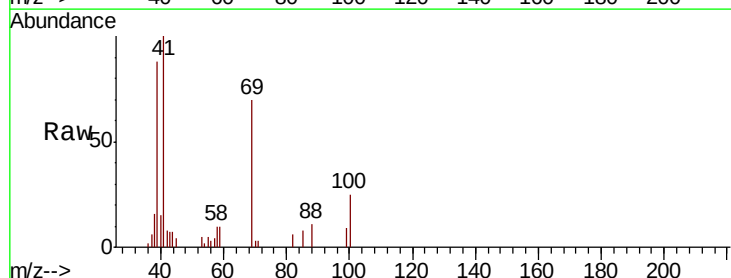
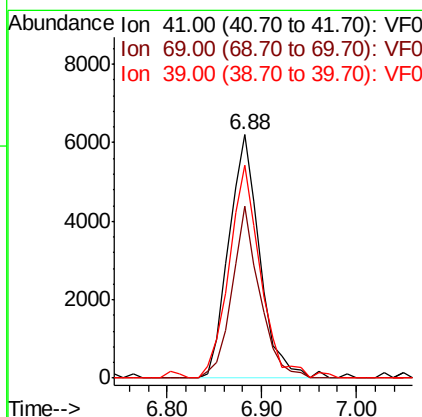
RT: 6.88 min Scan# 644

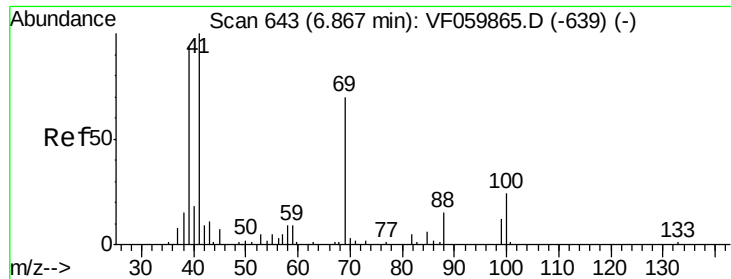
Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion	41	Resp	14054
Ion Ratio	100	Lower	Upper
41	100		
69	70.4	44.4	66.6
39	87.7	70.6	106.0





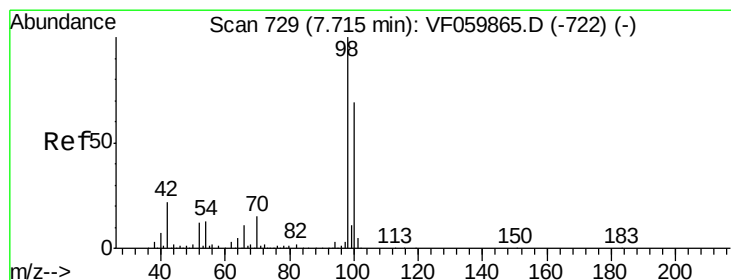
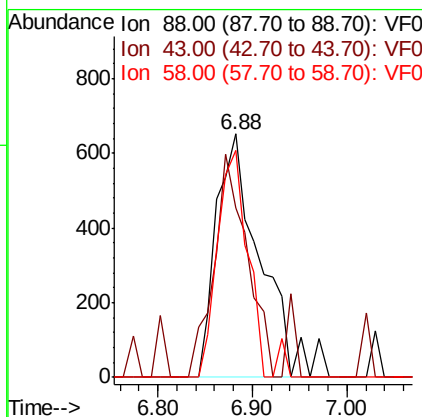
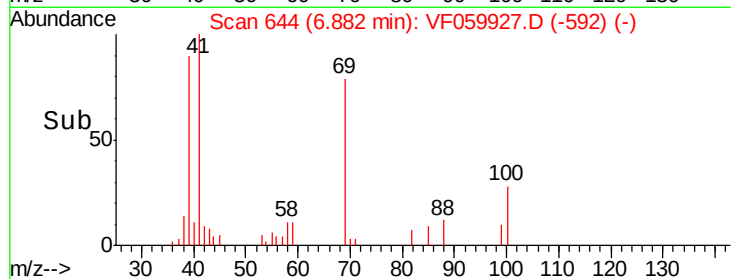
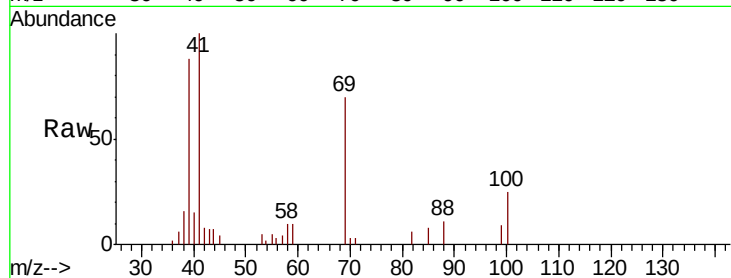
#49
1,4-Dioxane
Concen: 574.92 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	69.8	58.3	87.5
58	93.4	49.4	74.2#

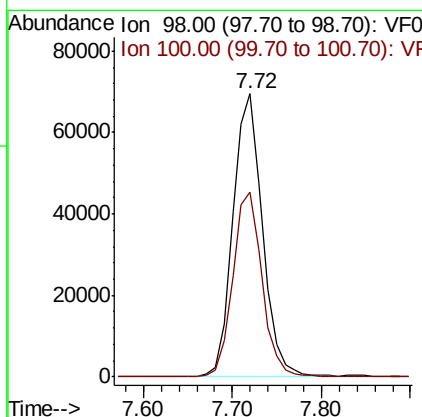
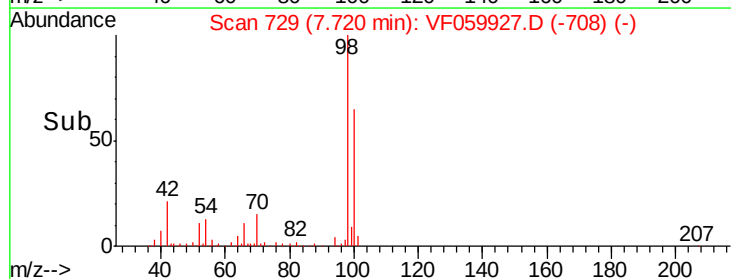
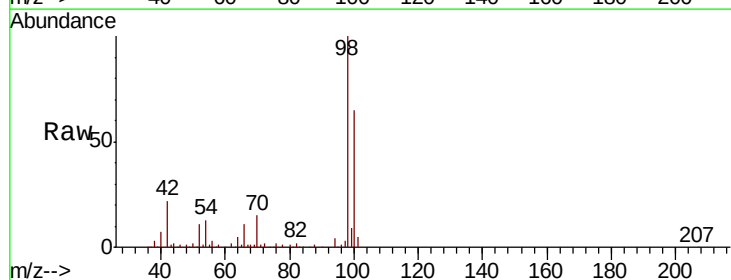
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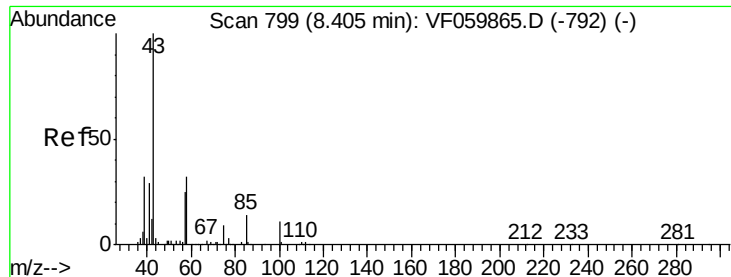
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#50
Toluene-d8
Concen: 55.03 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 137.10 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion: 43 Resp: 99018

Ion Ratio Lower Upper

43 100

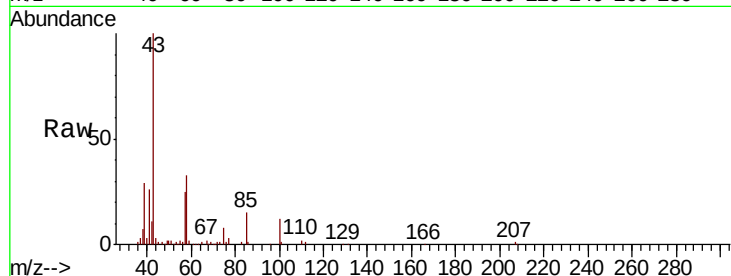
58 33.3 25.4 38.0

Manual Integrations

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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

40000

30000

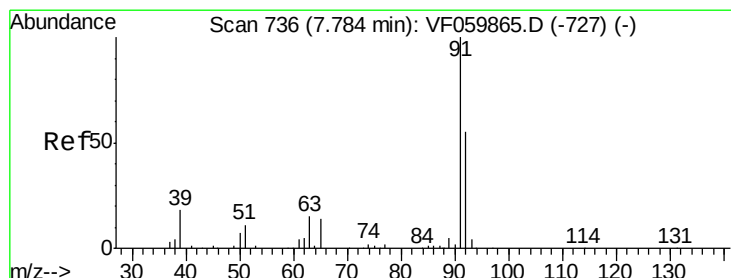
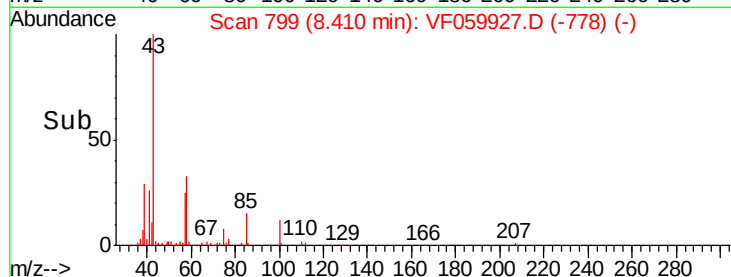
20000

10000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 21.00 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059927.D

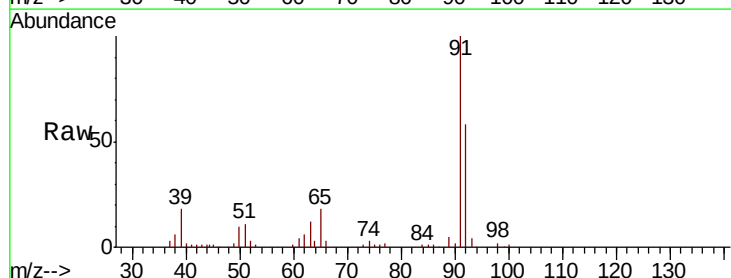
Acq: 8 Aug 2018 13:19

Tgt Ion: 92 Resp: 42385

Ion Ratio Lower Upper

92 100

91 172.1 145.7 218.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

30000

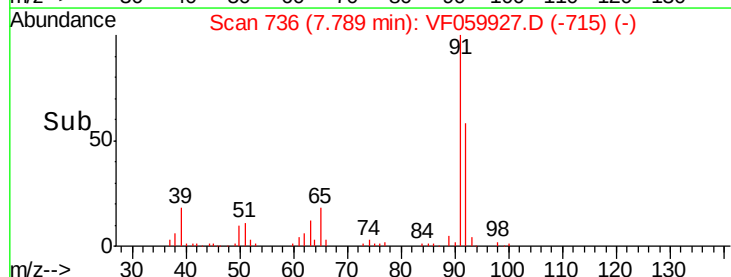
20000

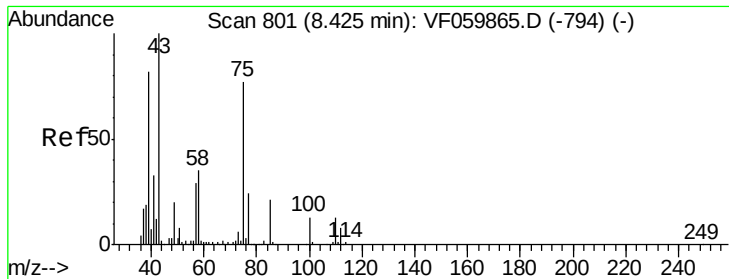
10000

0

7.70 7.80 7.90

Time-->





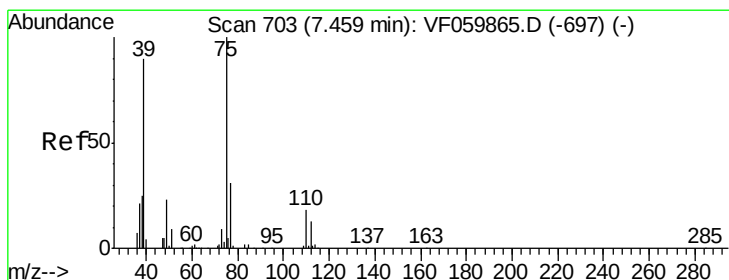
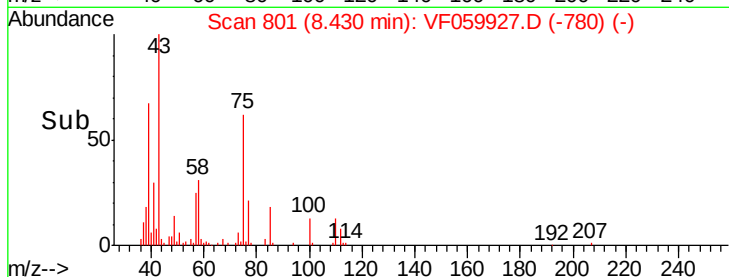
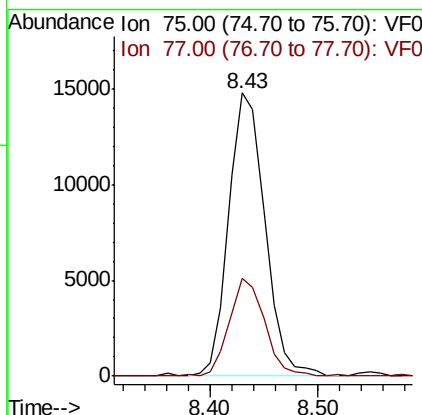
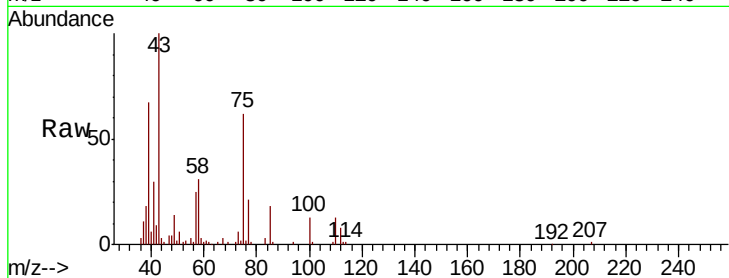
#53
 t-1,3-Dichloropropene
 Concen: 22.45 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBS01

Tot Ion: 75 Resp: 34550
 Ion Ratio Lower Upper
 75 100
 77 34.5 24.5 36.7

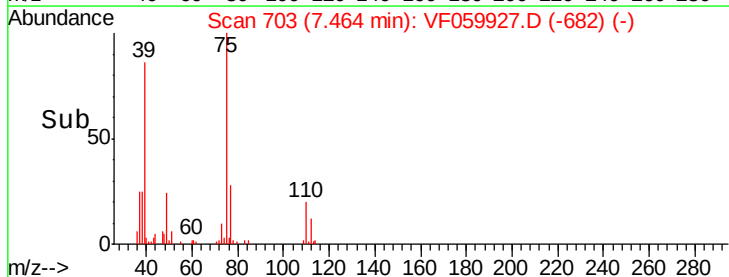
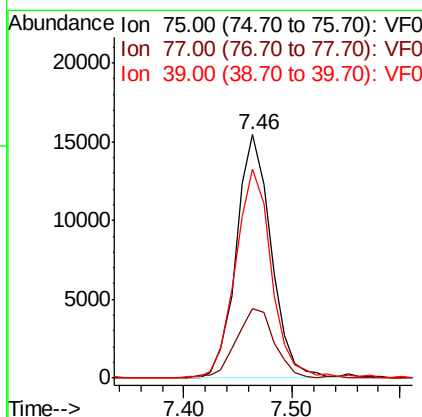
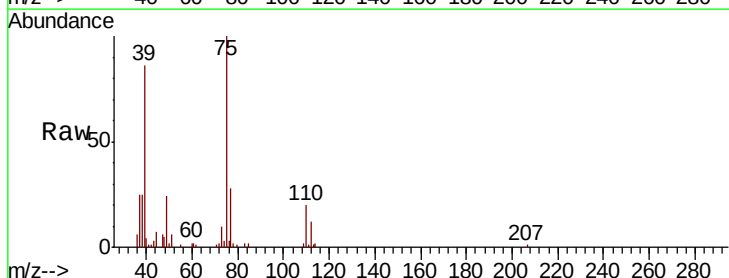
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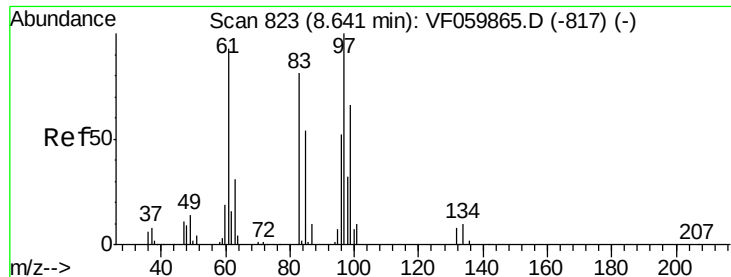
apatel
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#54
 cis-1,3-Dichloropropene
 Concen: 21.98 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Tgt Ion: 75 Resp: 34909
 Ion Ratio Lower Upper
 75 100
 77 28.3 24.7 37.1
 39 86.0 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 22.75 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

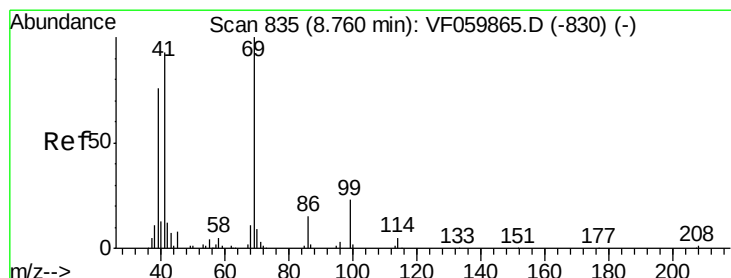
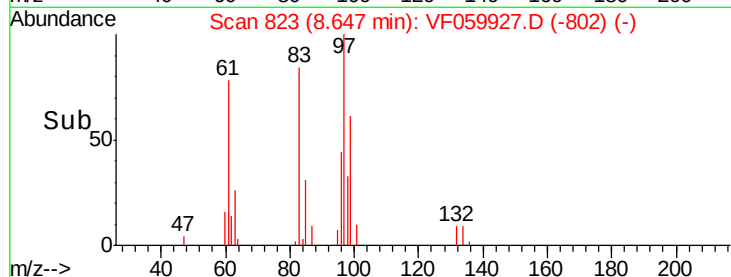
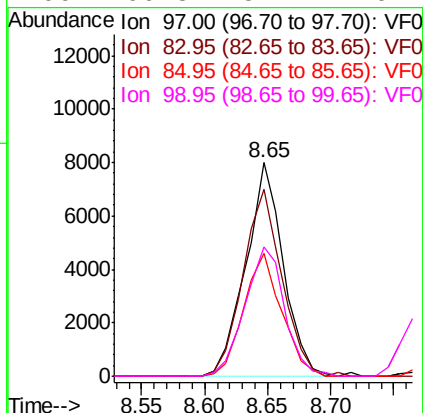
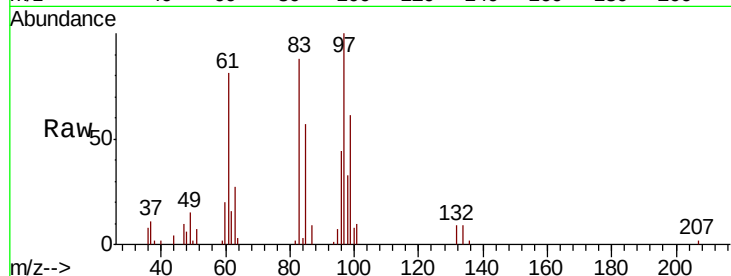
ClientSampleId :

VF0808SBS01

Tot Ion	97	Resp:	16528
Ion	Ratio	Lower	Upper
97	100		
83	87.6	64.4	96.6
85	57.4	43.1	64.7
99	60.8	52.7	79.1

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#56

Ethyl methacrylate

Concen: 23.87 ug/l

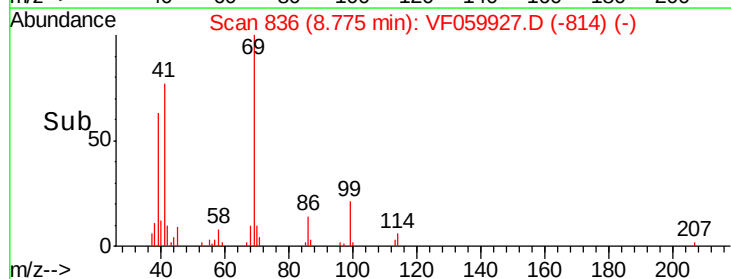
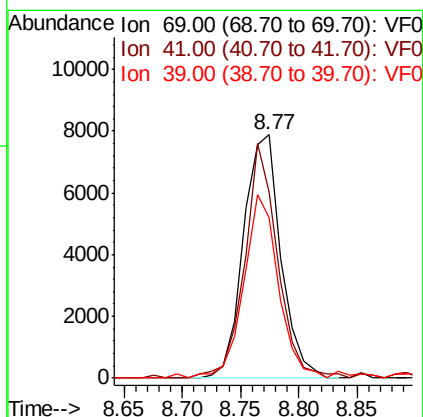
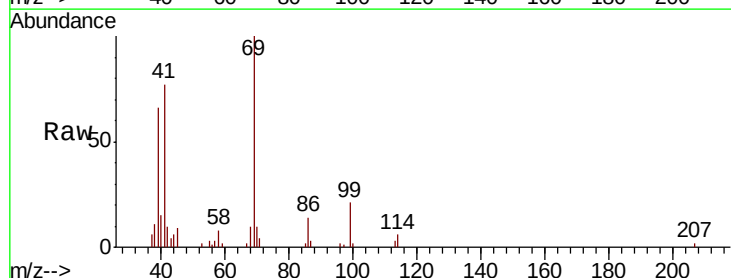
RT: 8.77 min Scan# 836

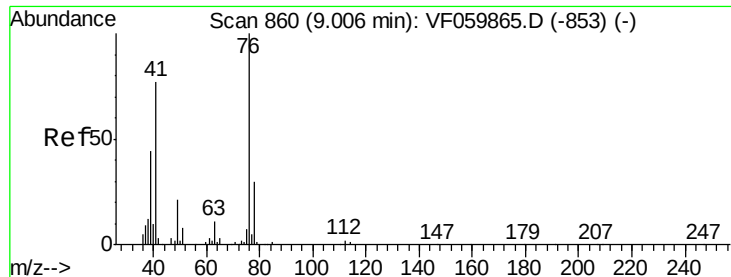
Delta R.T. 0.02 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion	69	Resp:	17517
Ion	Ratio	Lower	Upper
69	100		
41	76.6	74.7	112.1
39	65.7	61.1	91.7





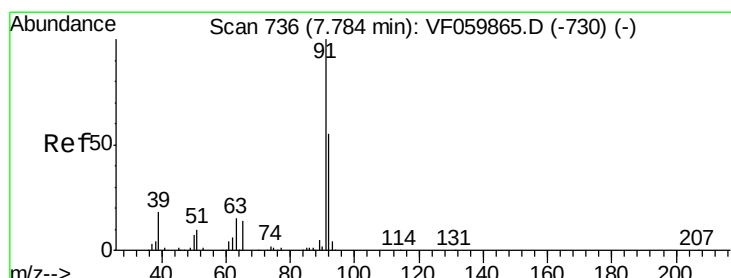
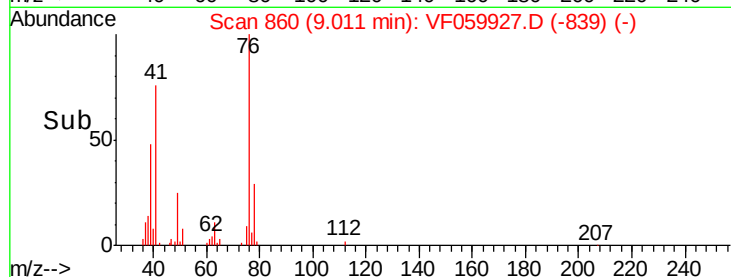
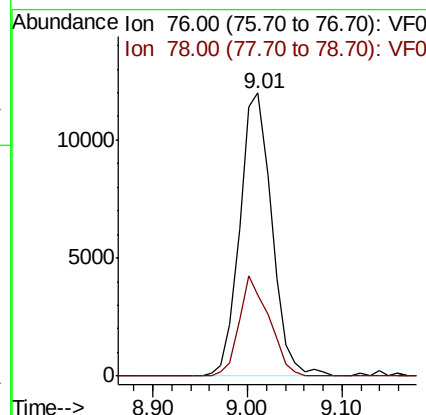
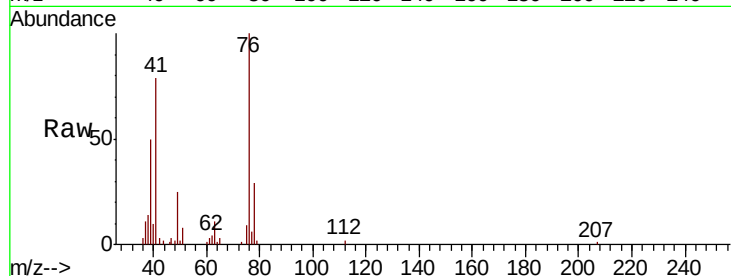
#57
 1,3-Dichloropropane
 Concen: 22.54 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	28.7	24.2	36.2

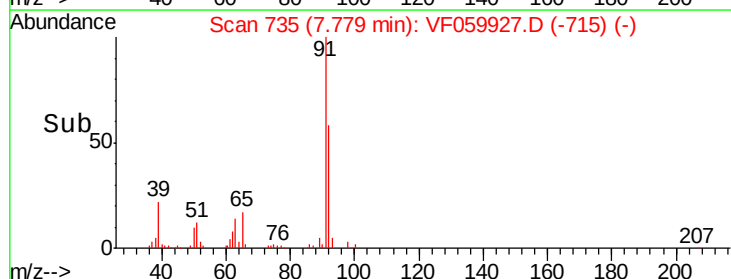
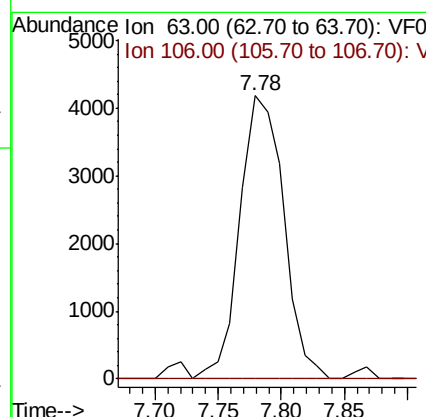
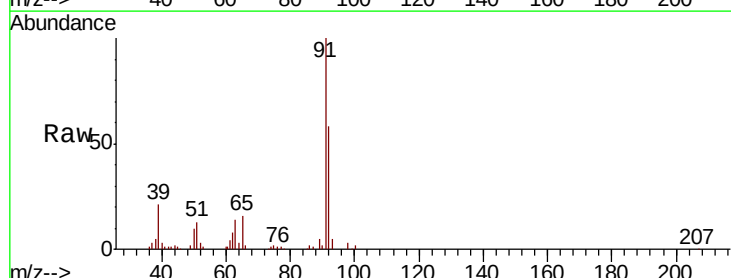
Manual Integrations
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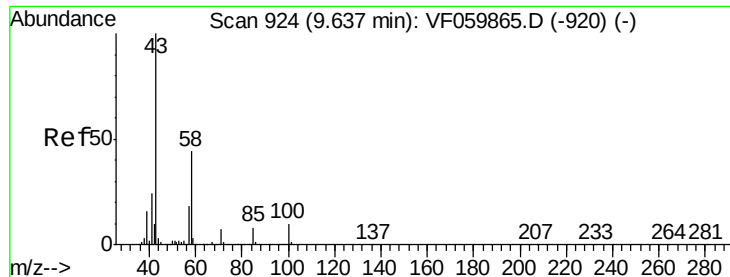
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.89 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





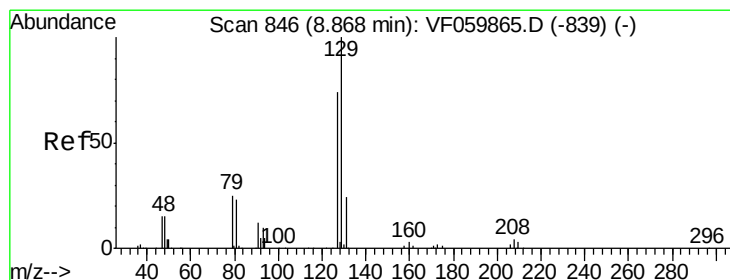
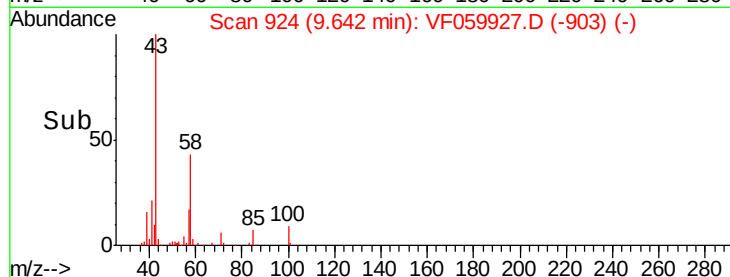
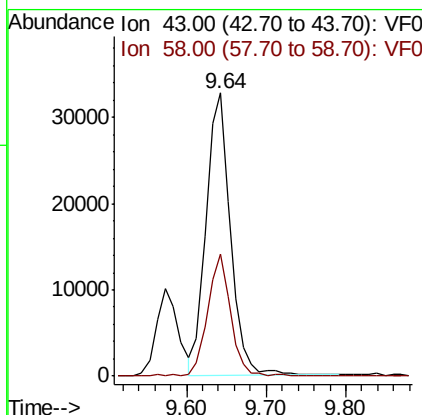
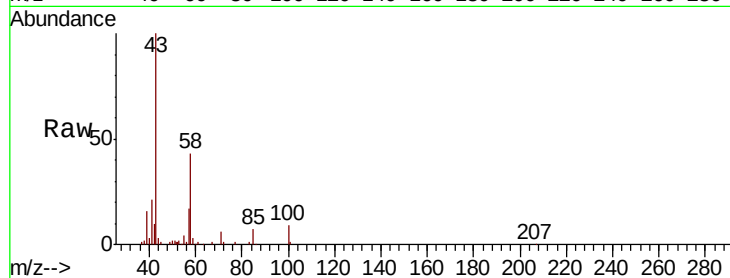
#59
2-Hexanone
Concen: 136.97 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.3	20.8	62.2

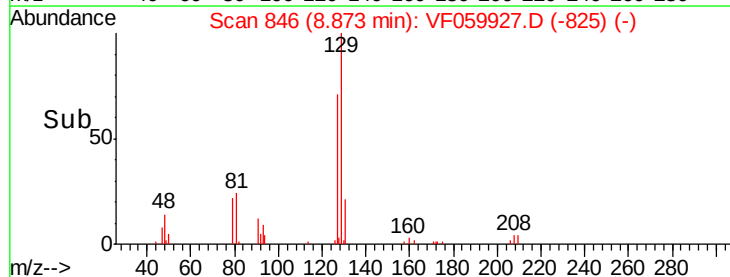
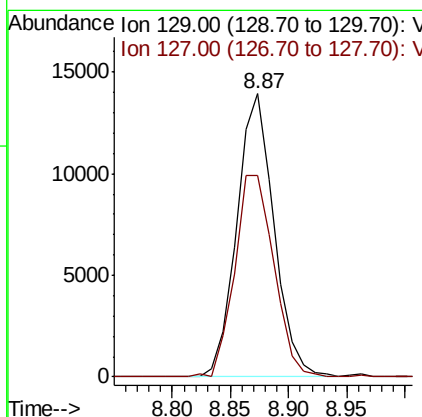
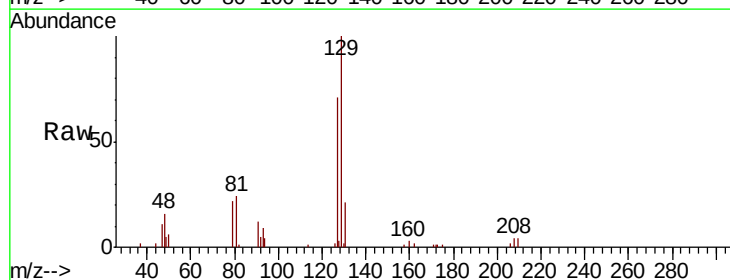
Manual Integrations
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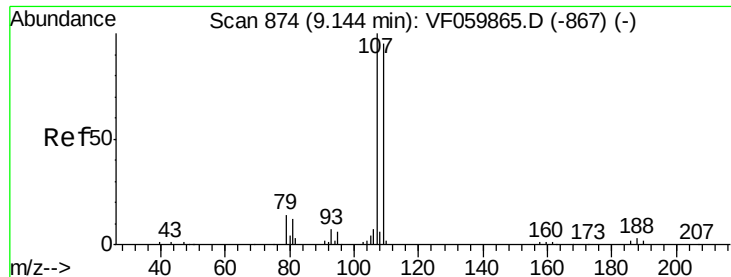
apatel
8/9/2018 10:46:55 AM



#60
Dibromochloromethane
Concen: 22.60 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.3	36.9	110.7





#61

1,2-Dibromoethane

Concen: 33.70 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion:107 Resp: 29825

Ion Ratio Lower Upper

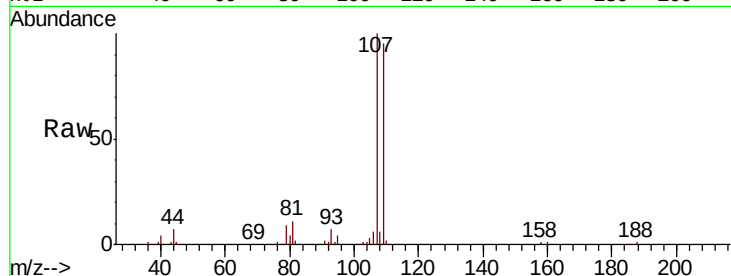
107 100

109 95.1 75.8 113.8

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

25000

20000

15000

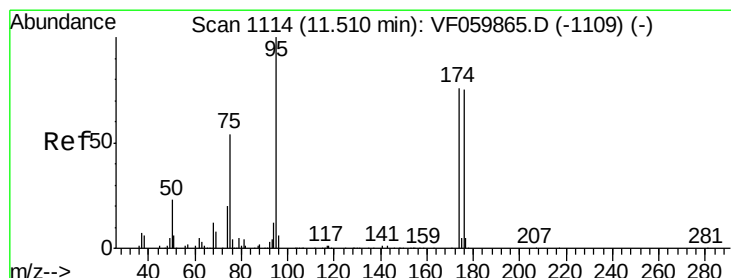
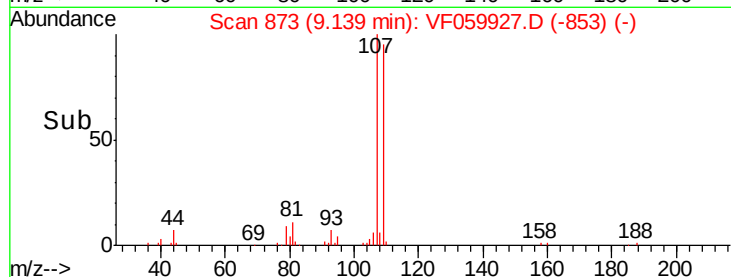
10000

5000

0

9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 58.57 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

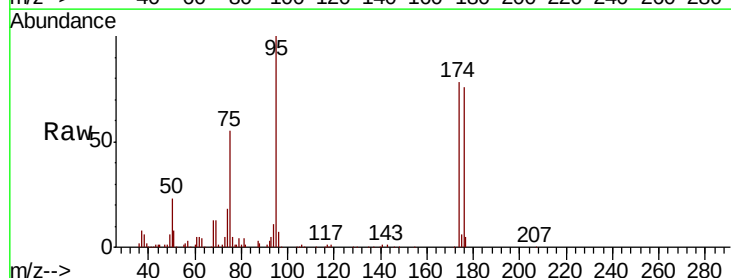
Tgt Ion: 95 Resp: 96237

Ion Ratio Lower Upper

95 100

174 77.7 0.0 151.6

176 76.2 0.0 149.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

80000

60000

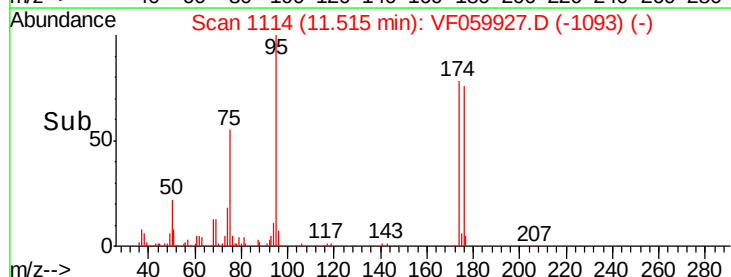
40000

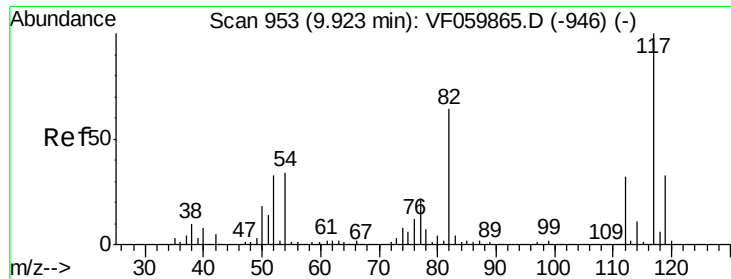
20000

0

11.40 11.50 11.60 11.70

Time-->





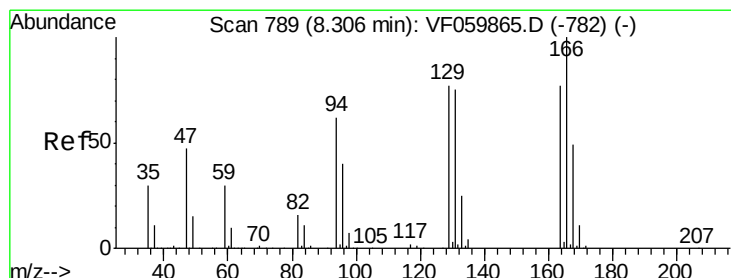
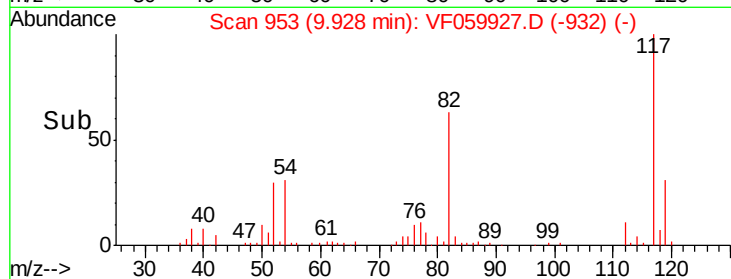
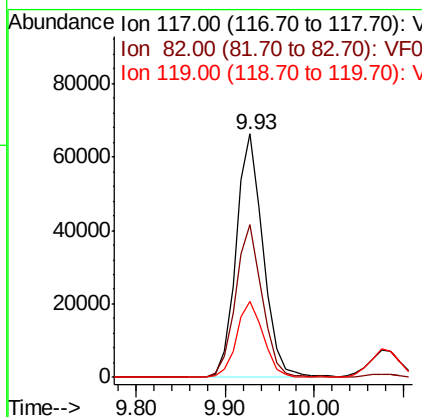
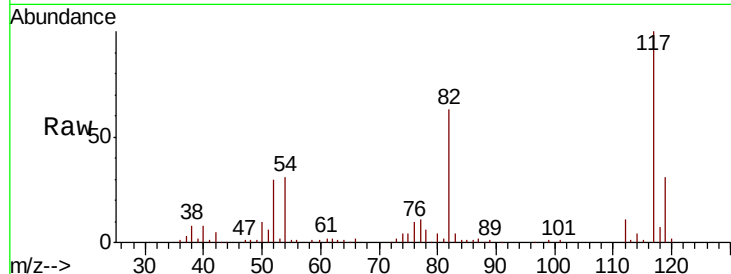
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	139206		
82	62.9		51.3	76.9
119	31.3		26.4	39.6

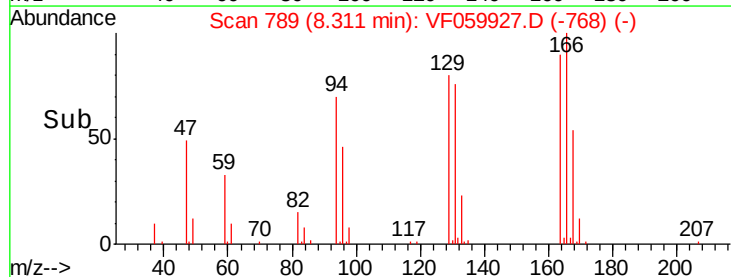
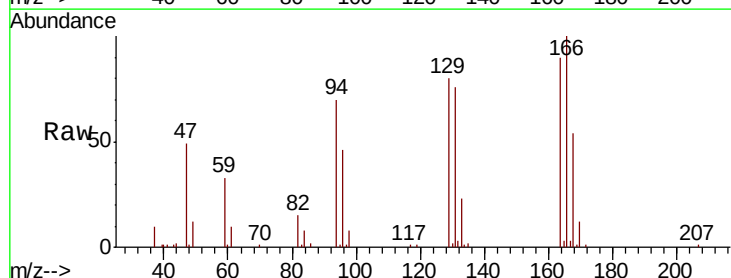
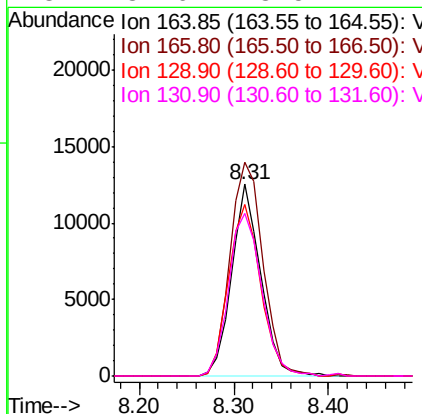
Manual Integrations
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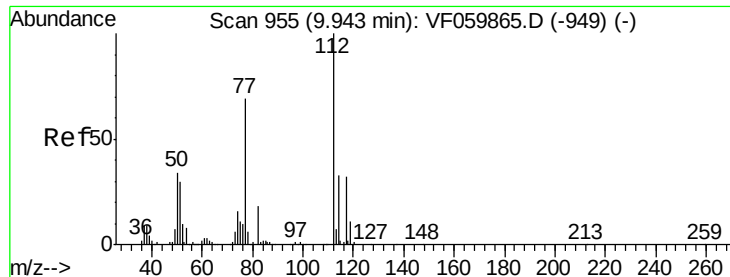
apatel
8/9/2018 10:46:55 AM



#64
Tetrachloroethene
Concen: 22.25 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26716		
166	111.4		104.4	156.6
129	89.4		80.3	120.5
131	84.6		78.5	117.7





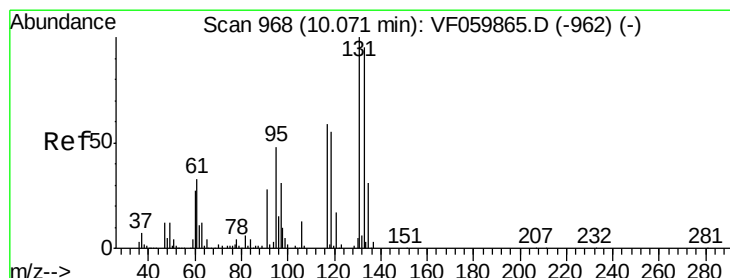
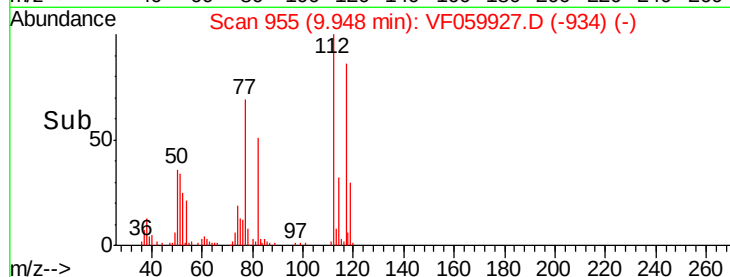
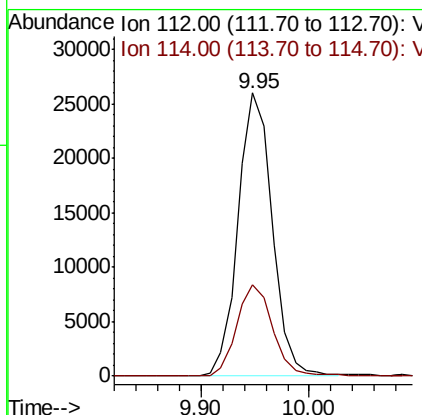
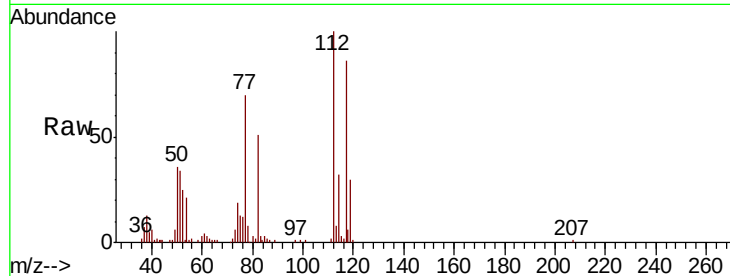
#65
Chlorobenzene
Concen: 20.24 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.4	39.6

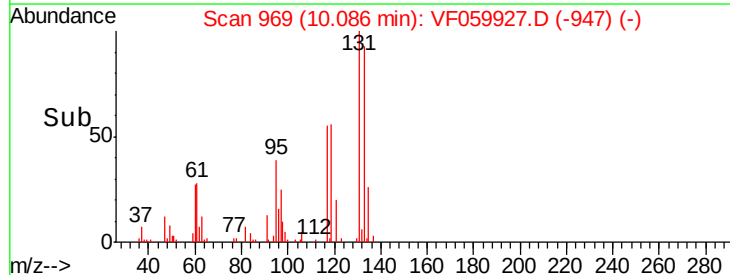
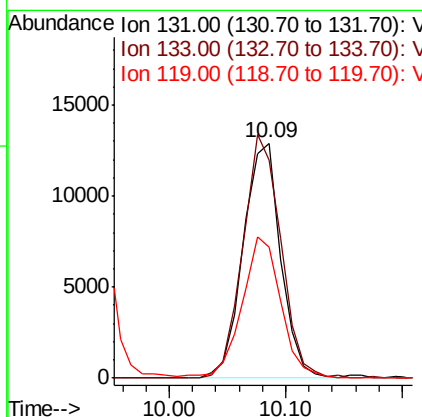
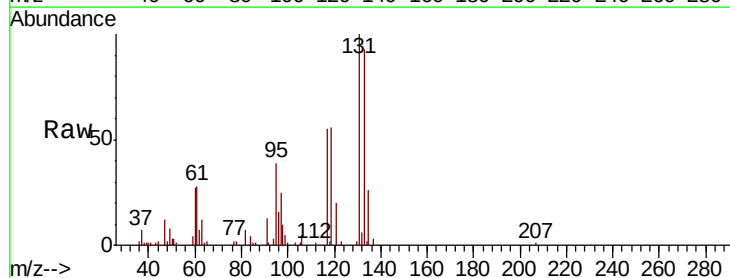
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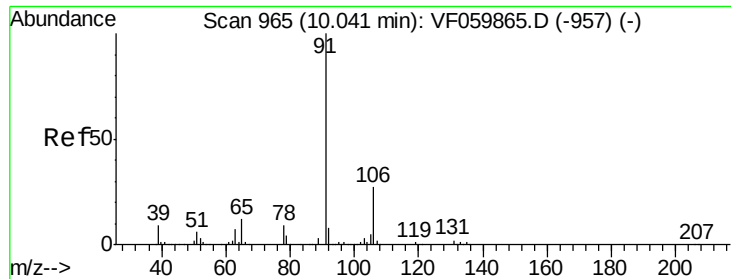
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.55 ug/l
RT: 10.09 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.0	47.4	142.2
119	55.9	27.7	83.1





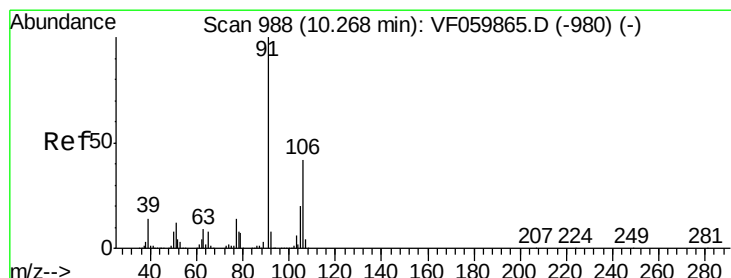
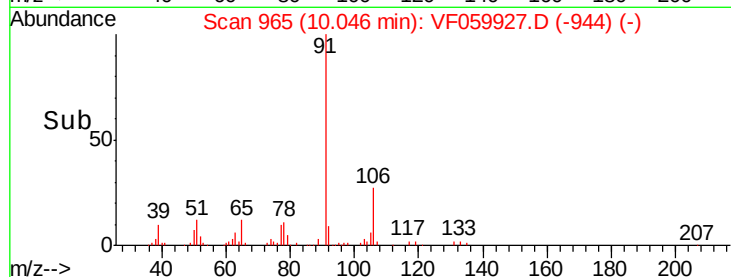
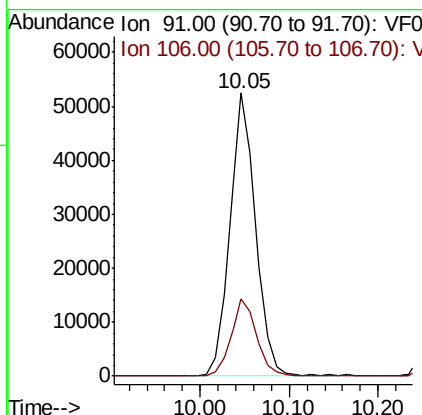
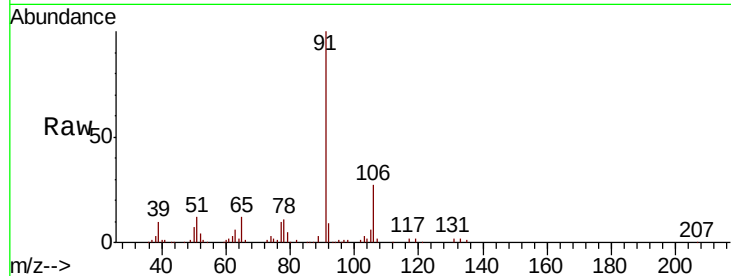
#67
Ethyl Benzene
Concen: 21.58 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	27.1	21.5	32.3

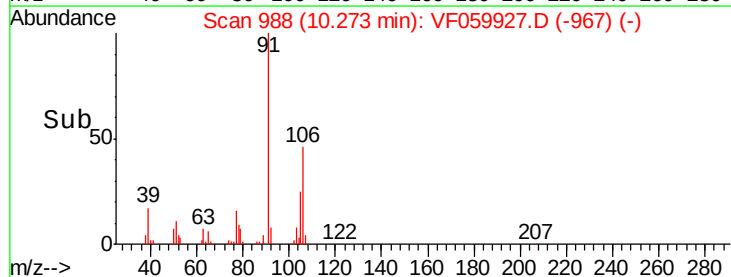
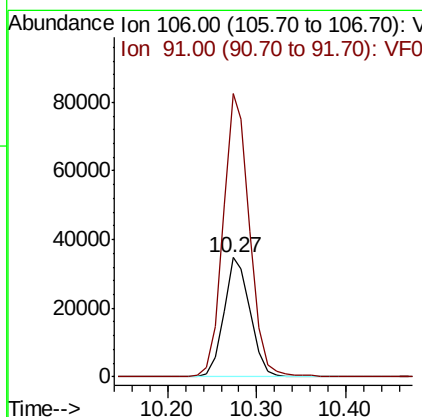
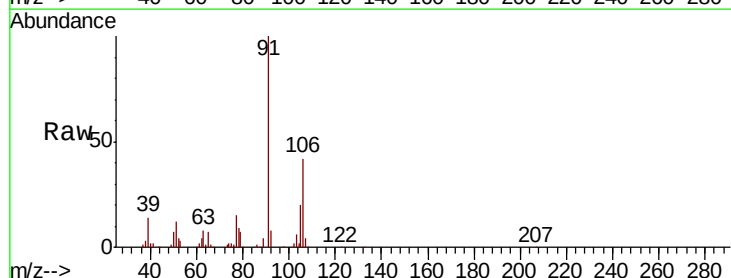
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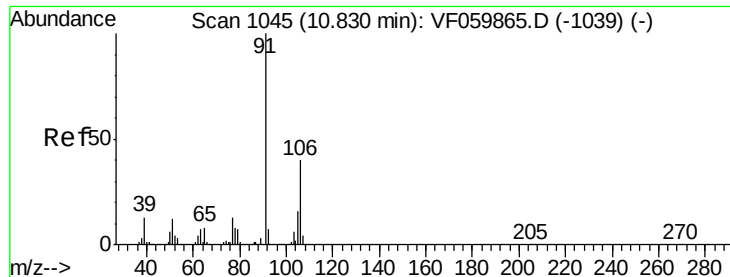
apatel
8/9/2018 10:46:55 AM



#68
m/p-Xylenes
Concen: 42.57 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
106	100		
91	237.4	192.1	288.1





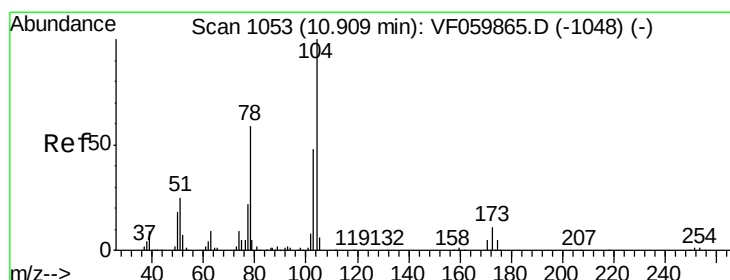
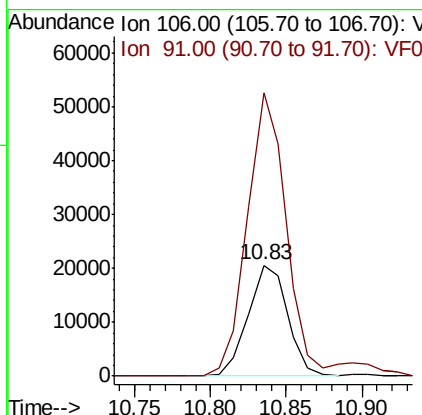
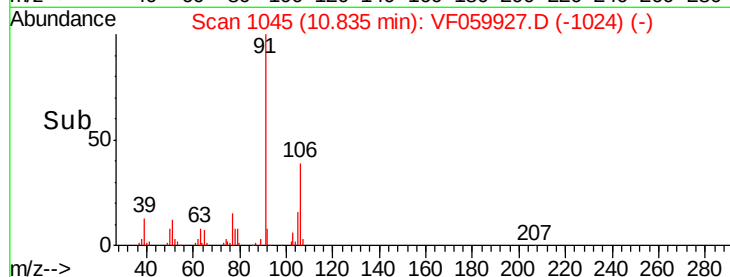
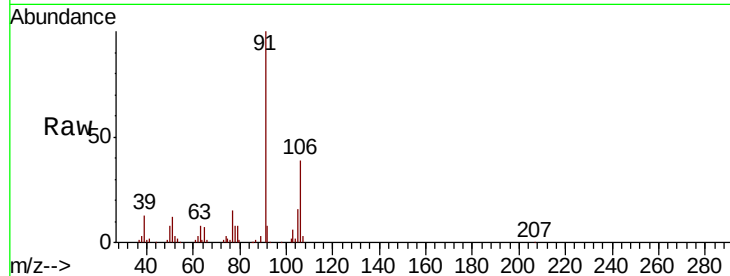
#69
o-Xylene
Concen: 20.89 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion:106 Resp: 37648
Ion Ratio Lower Upper
106 100
91 255.9 125.4 376.2

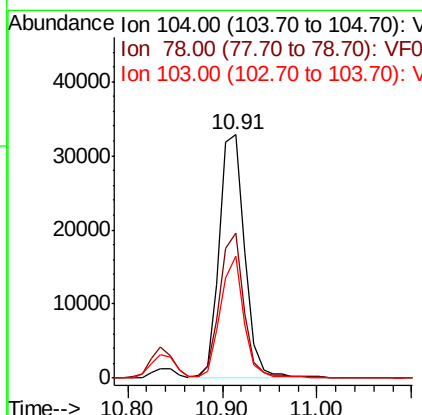
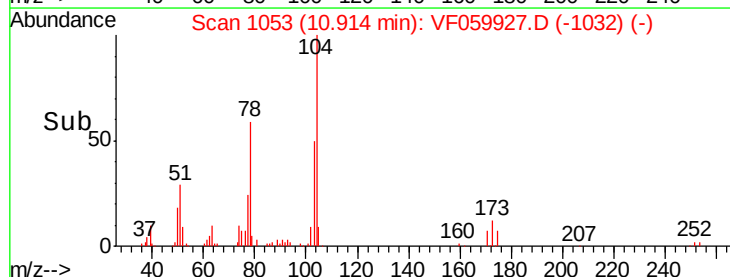
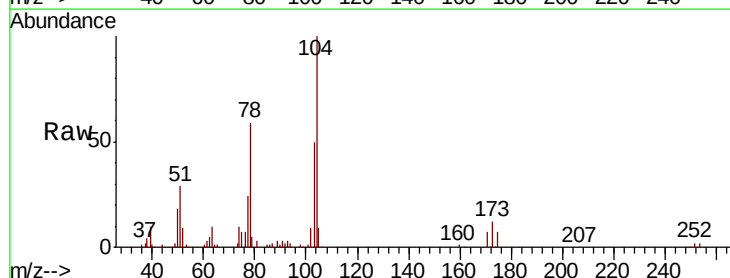
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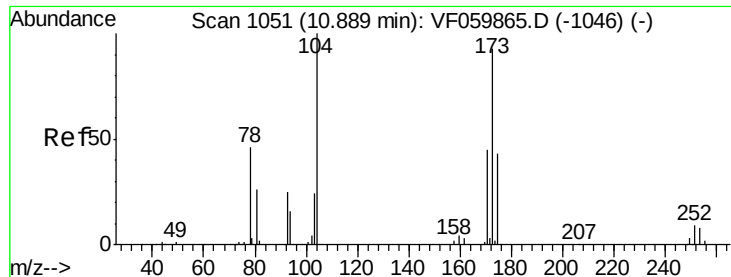
apatel
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#70
Styrene
Concen: 22.89 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion:104 Resp: 61566
Ion Ratio Lower Upper
104 100
78 59.4 47.3 70.9
103 50.4 39.0 58.4





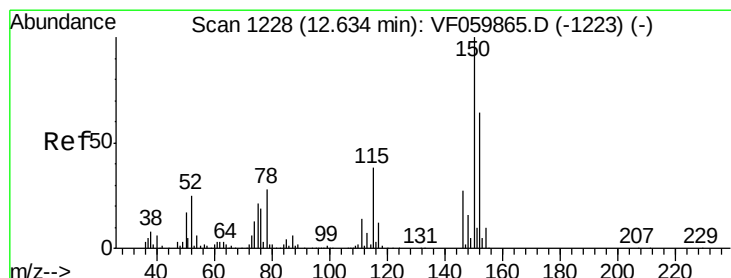
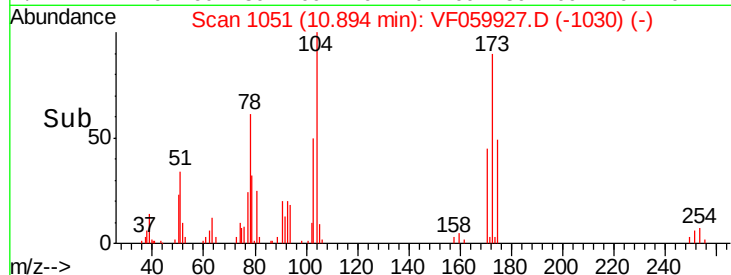
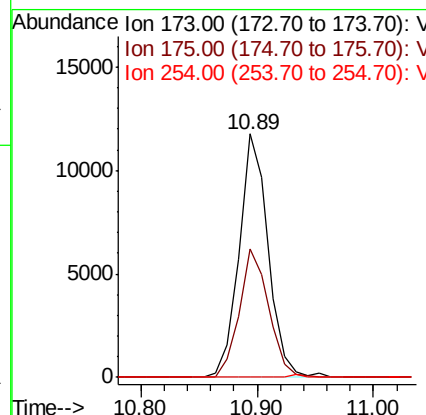
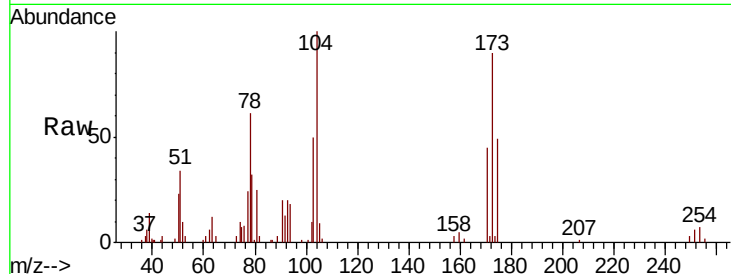
#71
Bromoform
Concen: 23.55 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	52.9	23.4	70.2		
254	0.0	0.0	0.0		

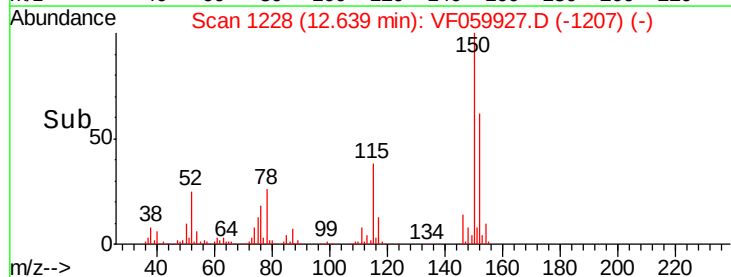
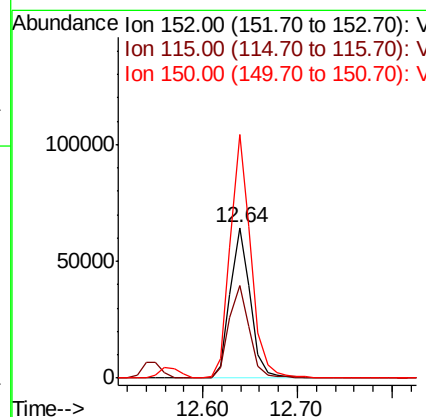
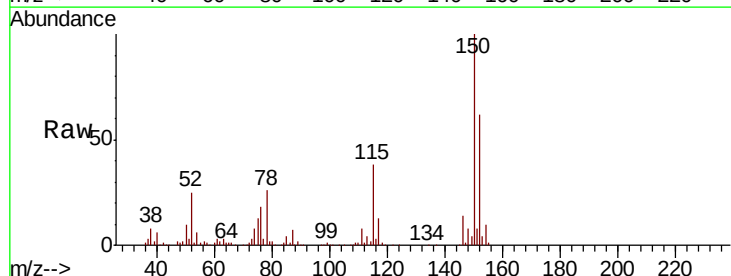
Manual Integrations
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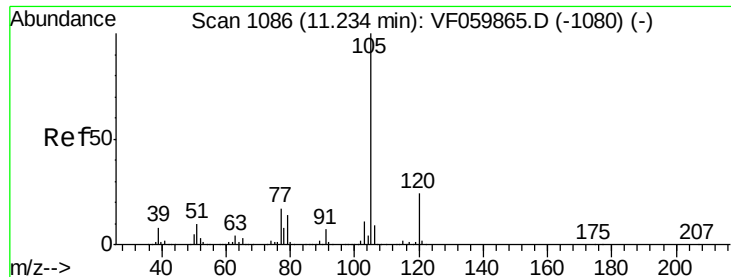
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	61.7	29.8	89.4		
150	161.8	0.0	315.6		





#73

Isopropylbenzene

Concen: 22.13 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion:105 Resp: 131370

Ion Ratio Lower Upper

105 100

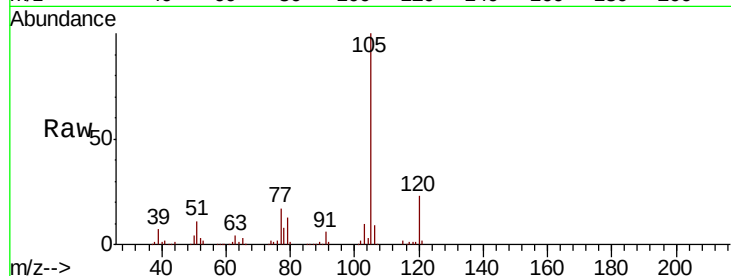
120 22.9 12.1 36.3

Manual Integrations

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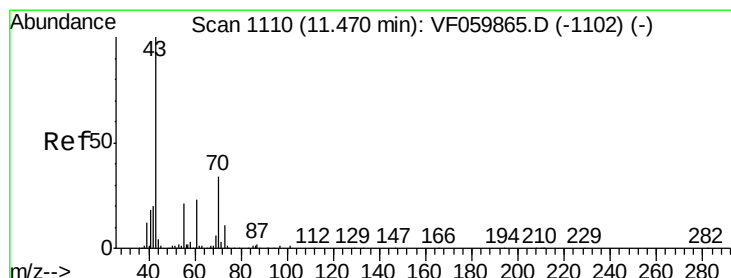
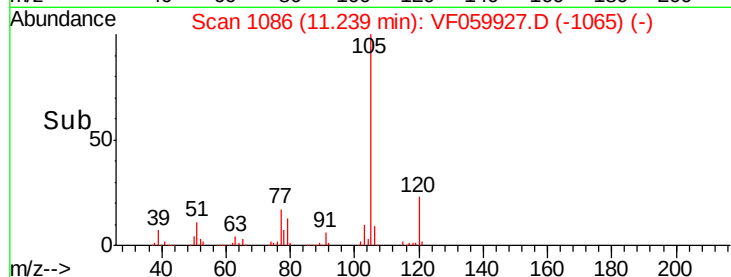
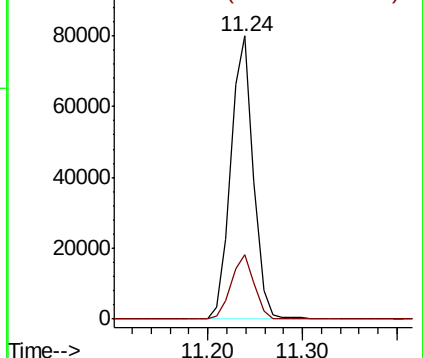
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.10 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion: 43 Resp: 28314

Ion Ratio Lower Upper

43 100

70 33.5 27.5 41.3

55 23.2 16.6 25.0

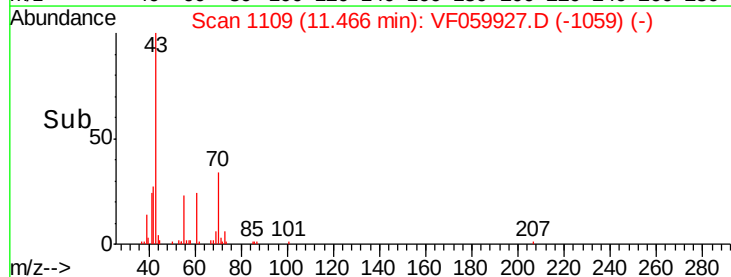
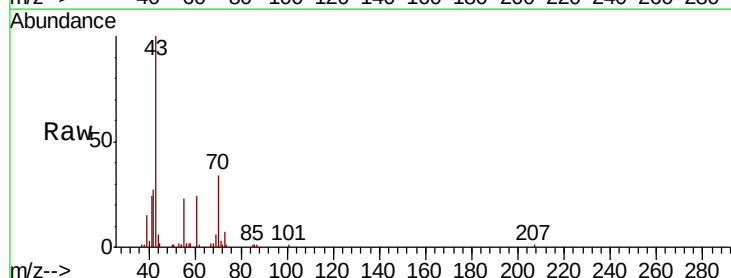
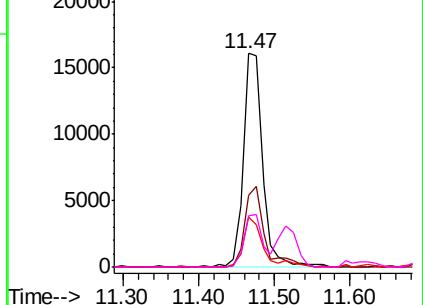
61 23.8 18.2 27.4

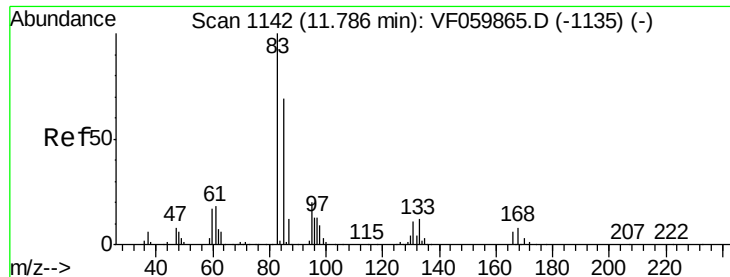
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.20 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

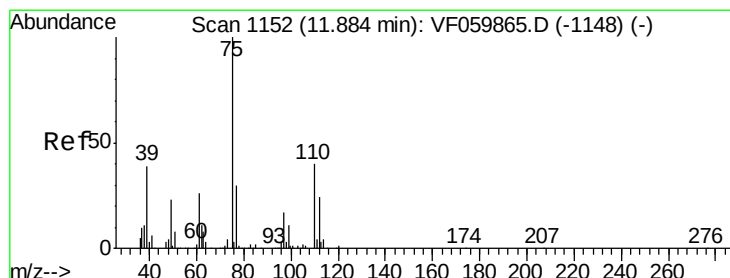
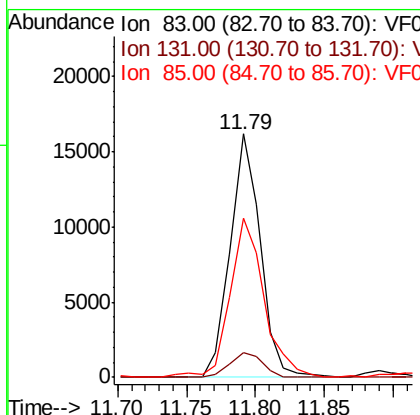
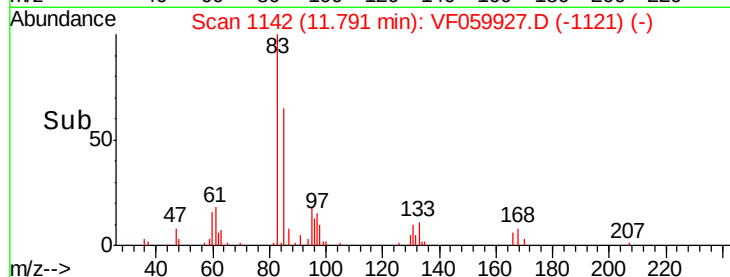
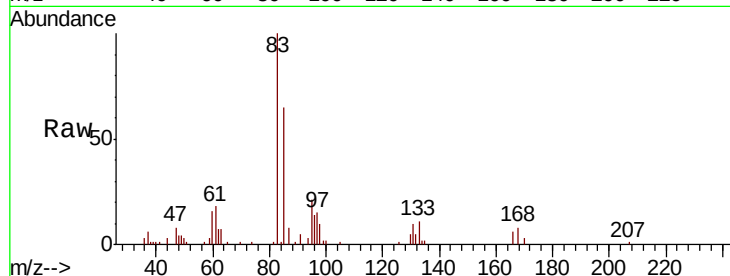
ClientSampleId :

VF0808SBS01

Tot Ion:	83	Resp:	24738
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	65.2	34.5	103.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.52 ug/l

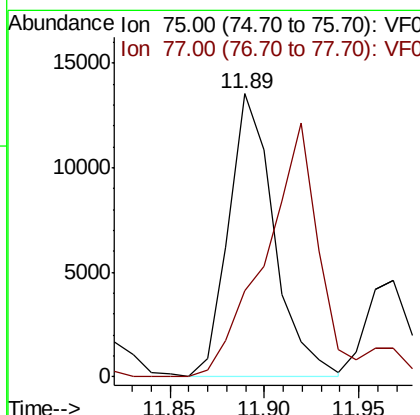
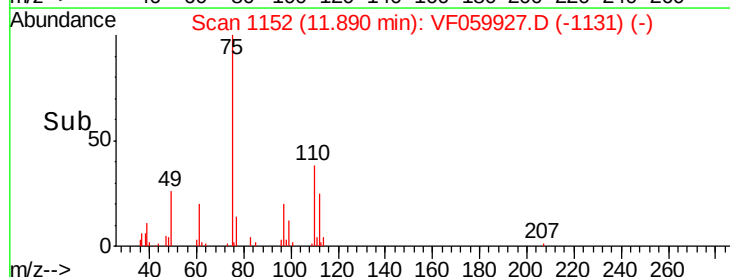
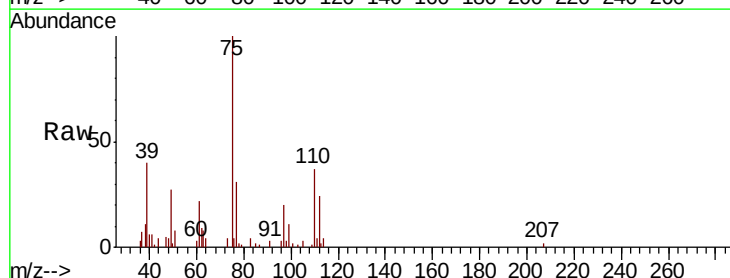
RT: 11.89 min Scan# 1152

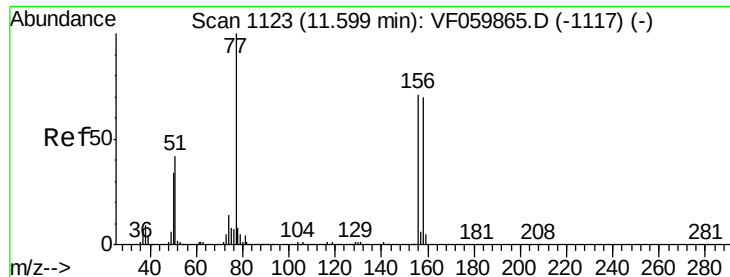
Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion:	75	Resp:	22512
Ion Ratio	Lower	Upper	
75	100		
77	30.6	15.4	46.2





#77

Bromobenzene

Concen: 20.96 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion:156 Resp: 33828

Ion Ratio Lower Upper

156 100

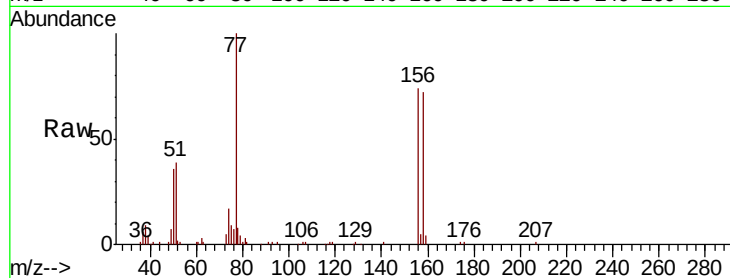
77 134.5 70.2 210.6

158 97.2 49.2 147.6

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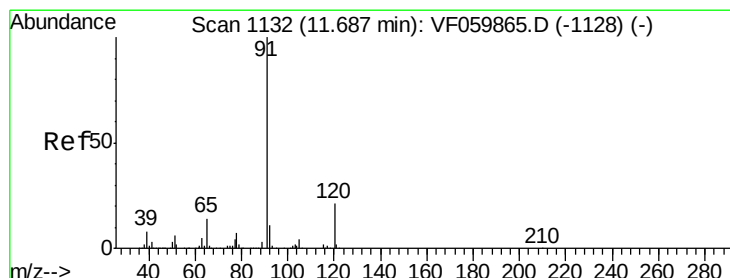
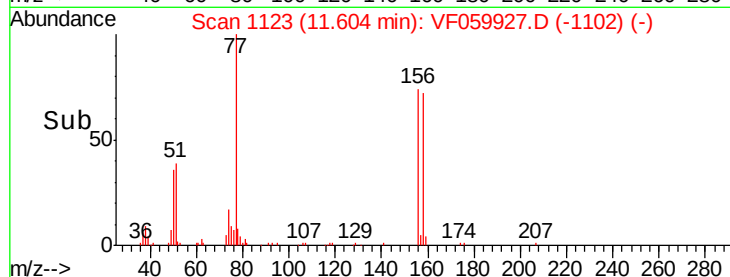
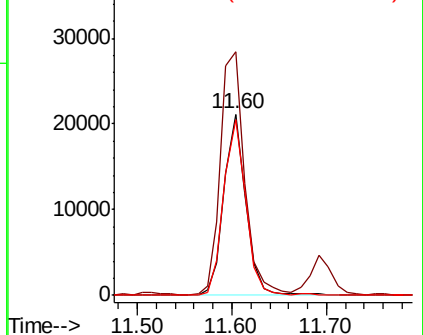
8/9/2018 10:46:55 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.61 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059927.D

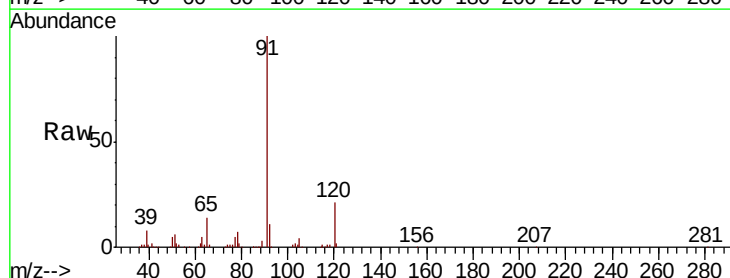
Acq: 8 Aug 2018 13:19

Tgt Ion: 91 Resp: 144469

Ion Ratio Lower Upper

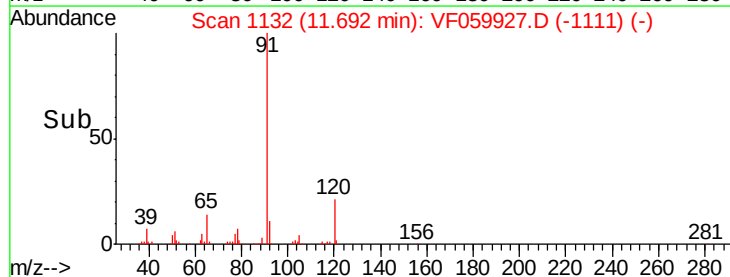
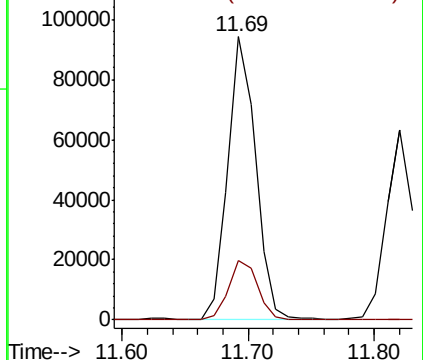
91 100

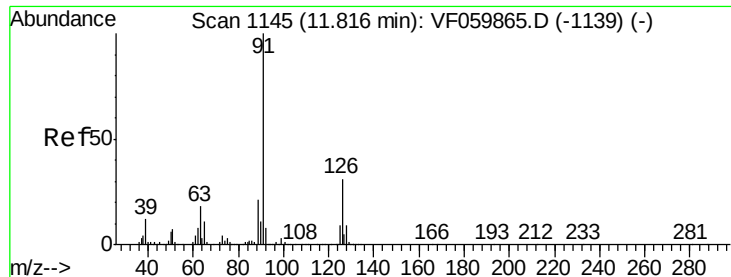
120 20.8 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.29 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion: 91 Resp: 94406

Ion Ratio Lower Upper

91 100

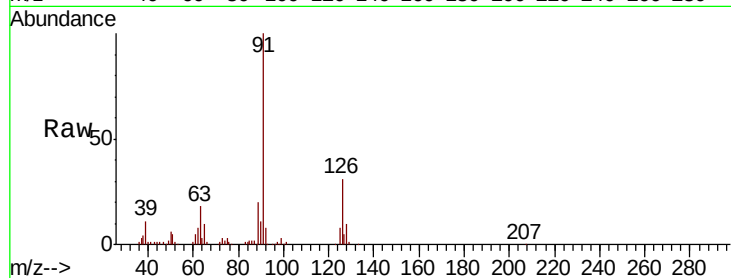
126 31.0 15.6 46.7

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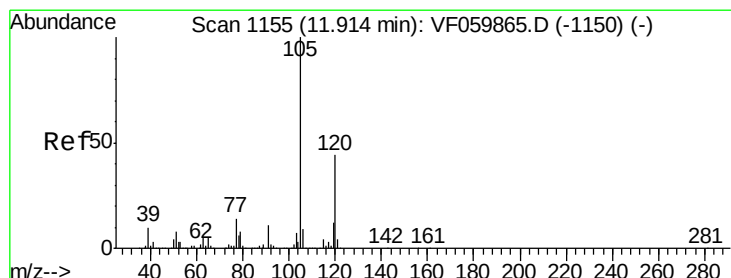
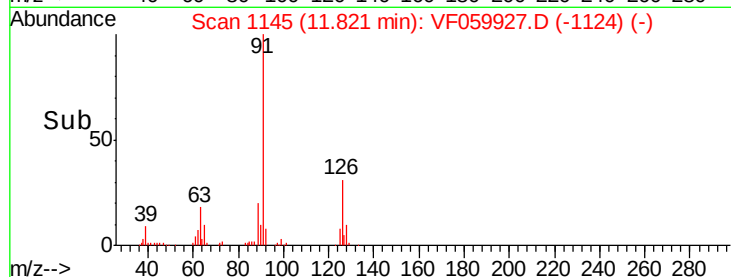
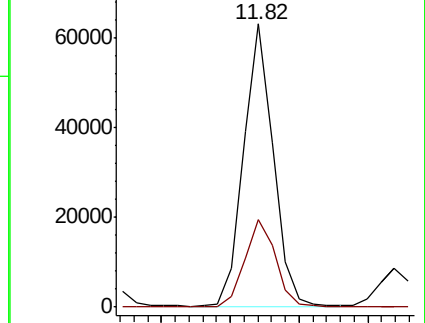
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.62 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF059927.D

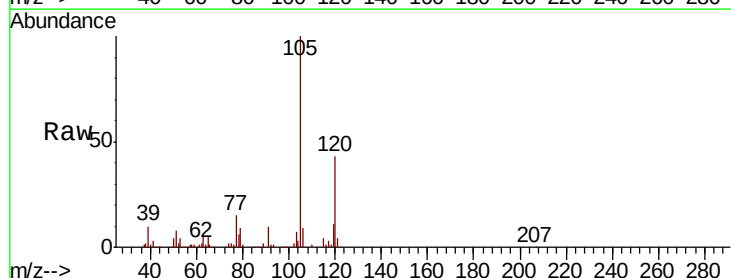
Acq: 8 Aug 2018 13:19

Tgt Ion:105 Resp: 119133

Ion Ratio Lower Upper

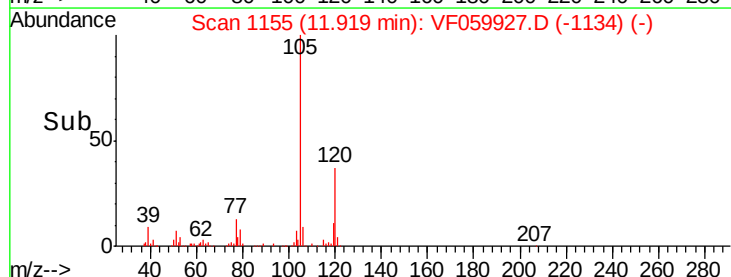
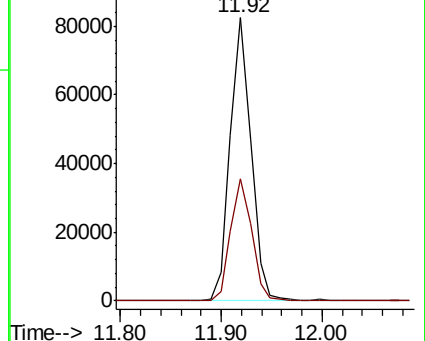
105 100

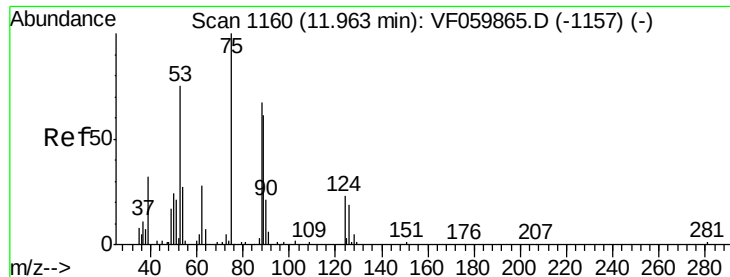
120 43.1 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.54 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

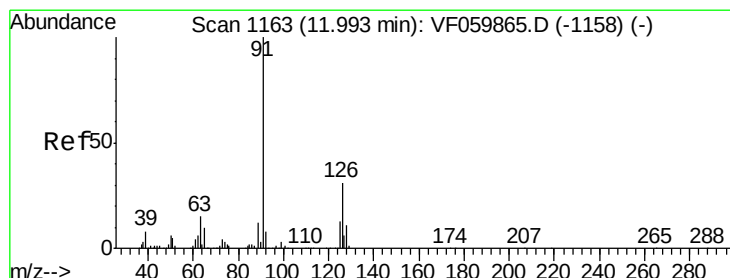
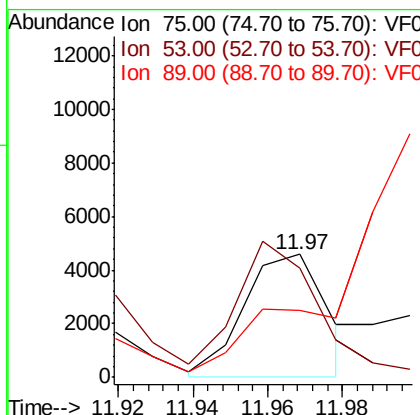
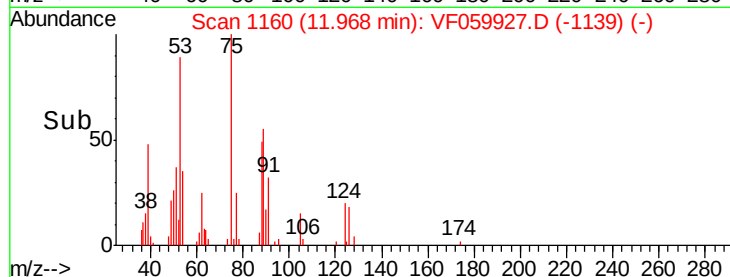
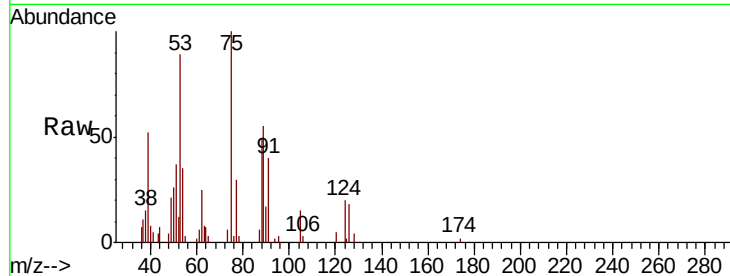
ClientSampleId :

VF0808SBS01

Tot Ion:	75	Resp:	7062
Ion	Ratio	Lower	Upper
75	100		
53	88.7	65.9	98.9
89	54.8	50.6	76.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.21 ug/l

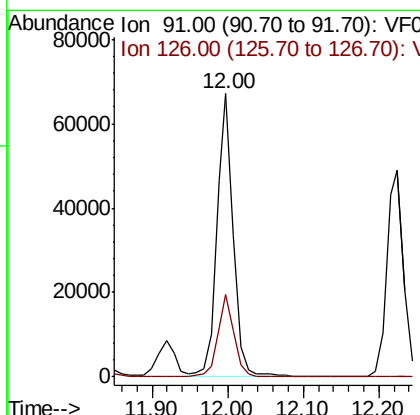
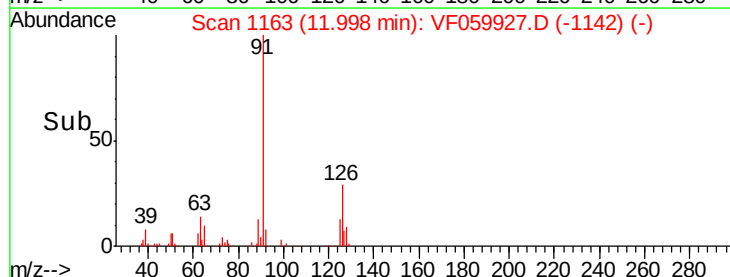
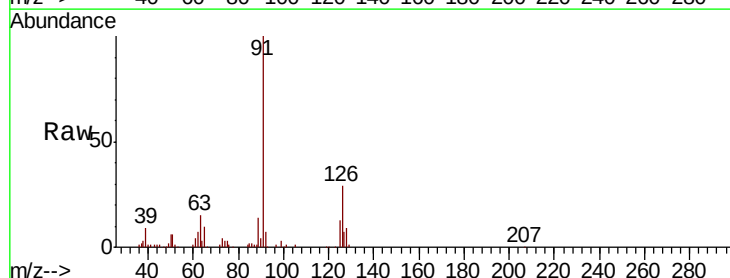
RT: 12.00 min Scan# 1163

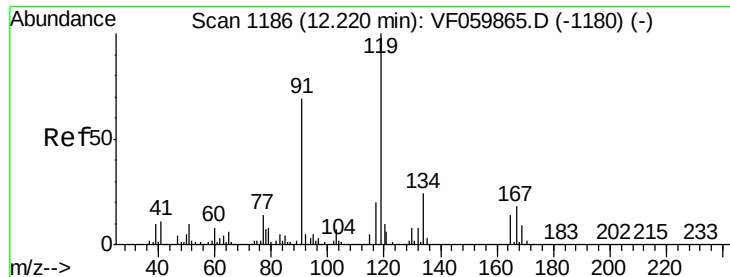
Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion:	91	Resp:	102122
Ion	Ratio	Lower	Upper
91	100		
126	29.0	15.7	47.0





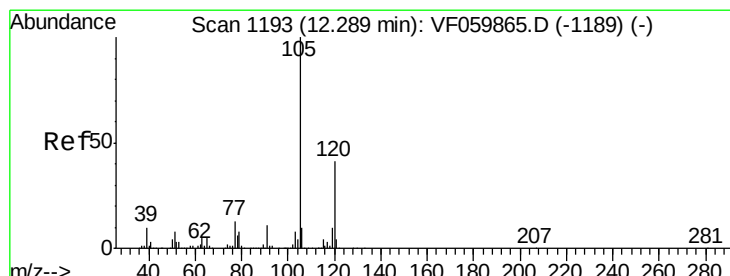
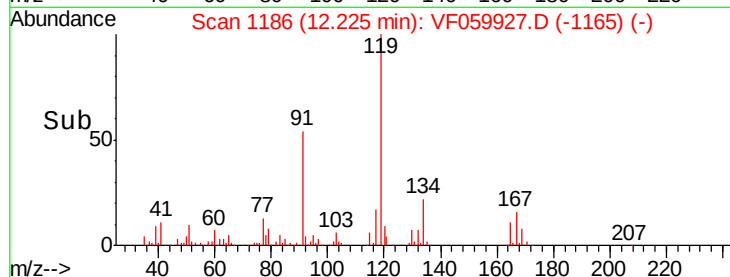
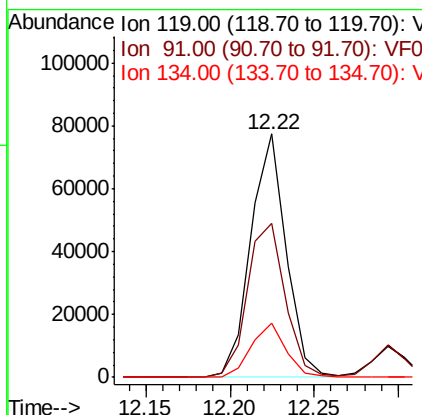
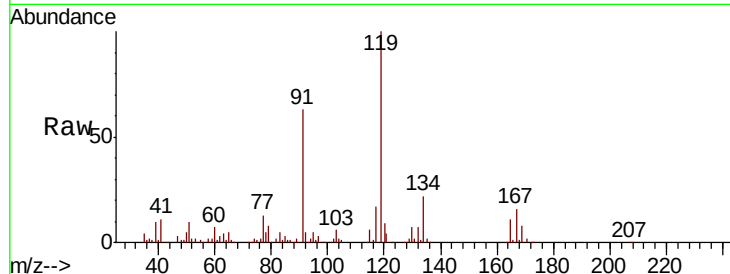
#83
 tert-Butylbenzene
 Concen: 21.09 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	113118		
91	63.2	34.4	103.2	
134	22.4	12.1	36.3	

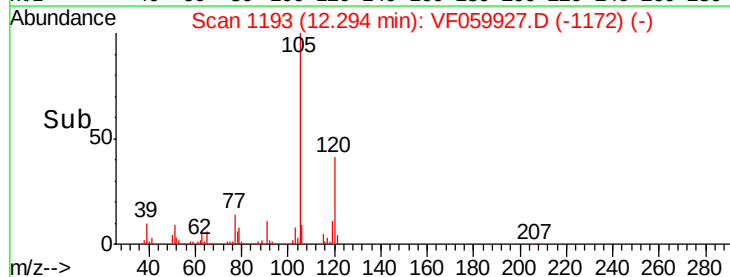
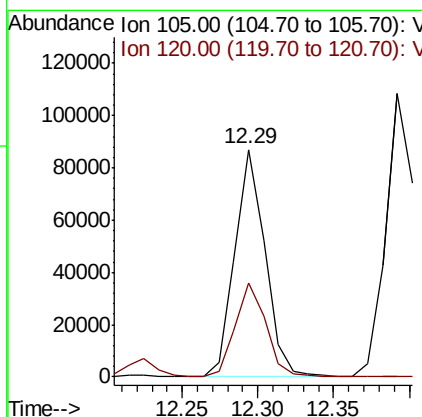
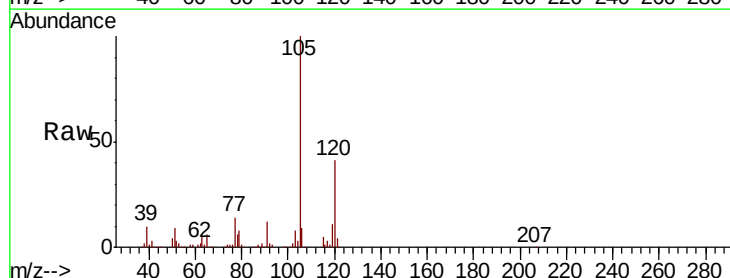
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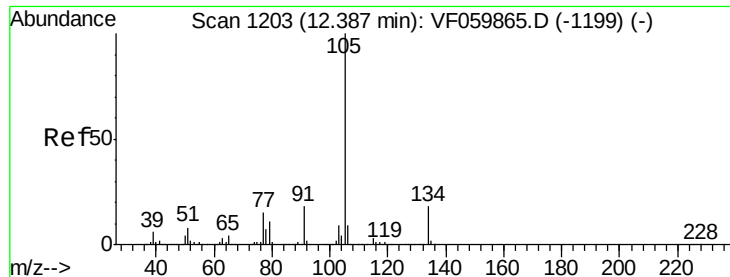
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.48 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	121749		
120	41.5	20.8	62.5	





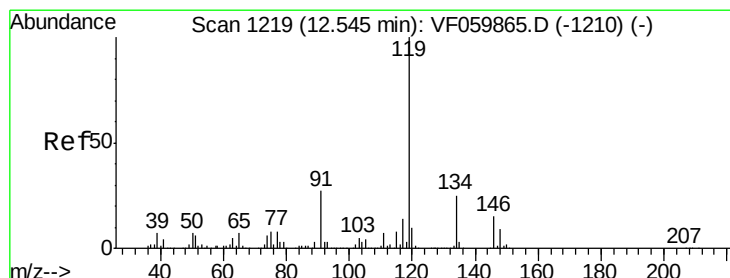
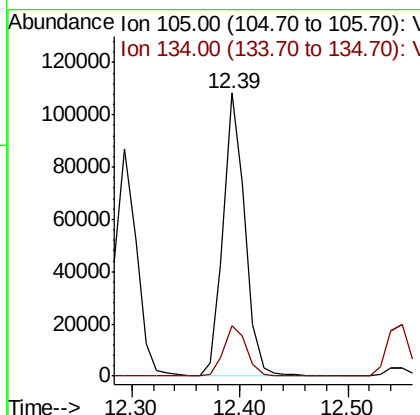
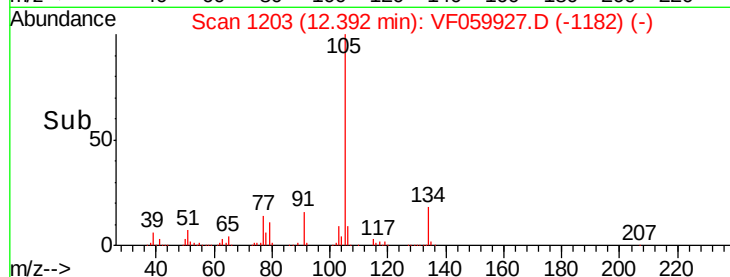
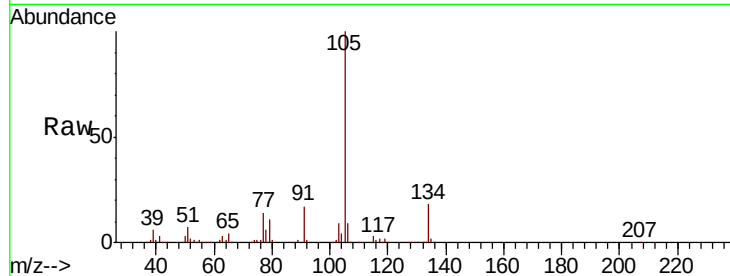
#85
 sec-Butylbenzene
 Concen: 21.12 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	150582		
134	17.7	9.1	27.3	

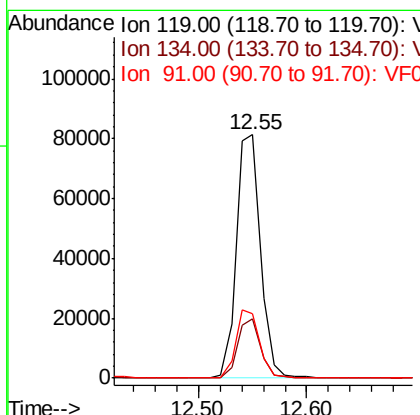
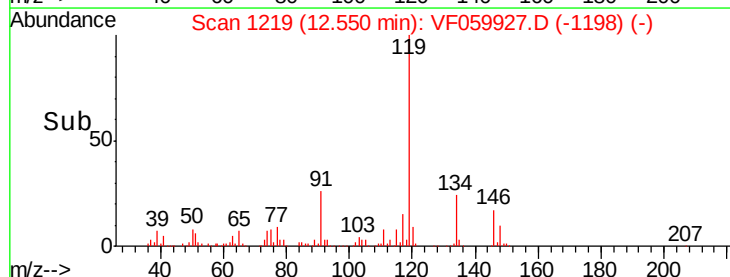
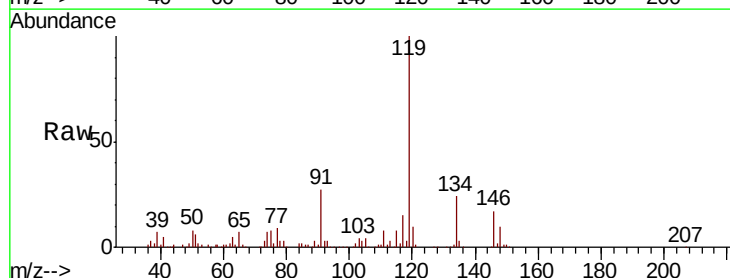
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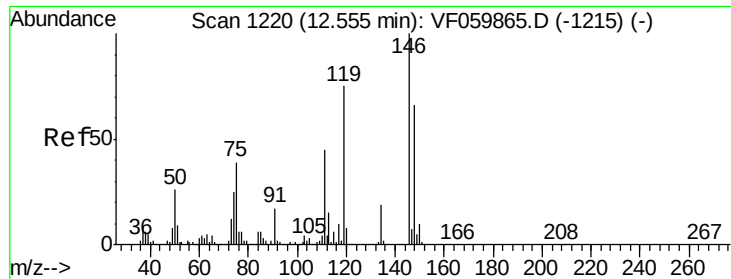
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#86
 p-Isopropyltoluene
 Concen: 21.07 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	126226		
134	24.3	12.4	37.0	
91	26.5	13.6	40.7	





#87

1,3-Dichlorobenzene

Concen: 21.98 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Instrument :

MSVOA_F

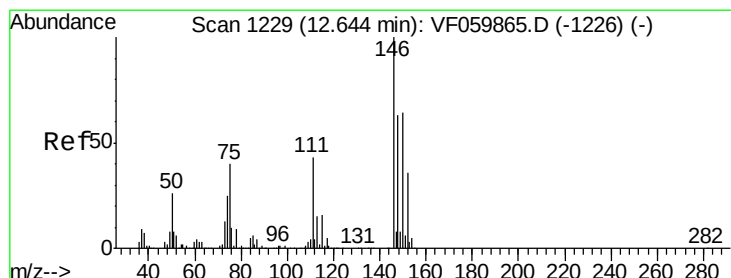
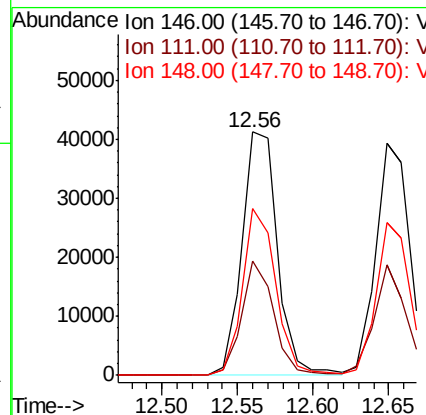
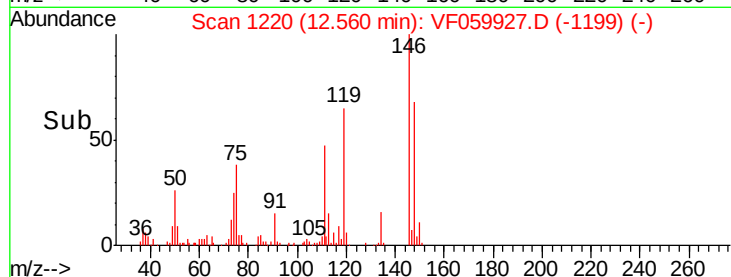
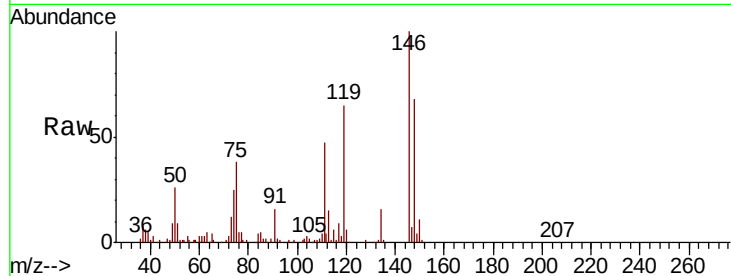
ClientSampleId :

VF0808SBS01

Tot Ion:	146	Resp:	67221
Ion Ratio	Lower	Upper	
146	100		
111	46.7	22.4	67.0
148	68.3	33.1	99.3

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#88

1,4-Dichlorobenzene

Concen: 21.20 ug/l

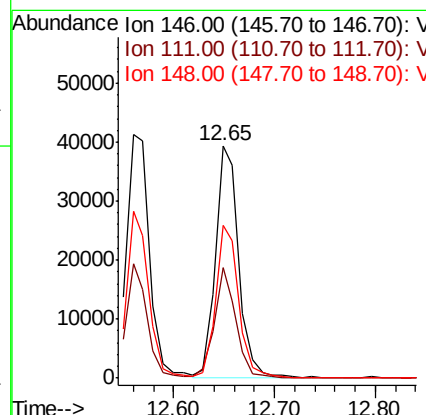
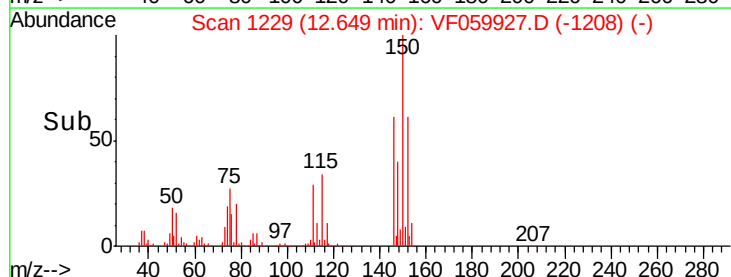
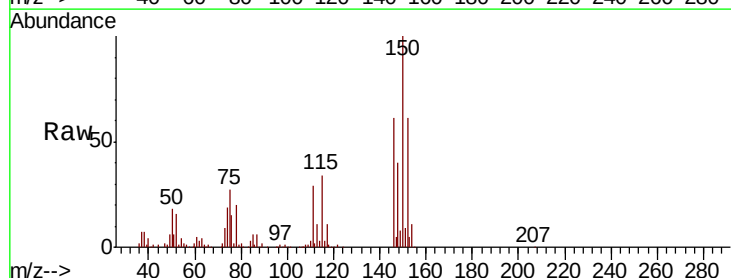
RT: 12.65 min Scan# 1229

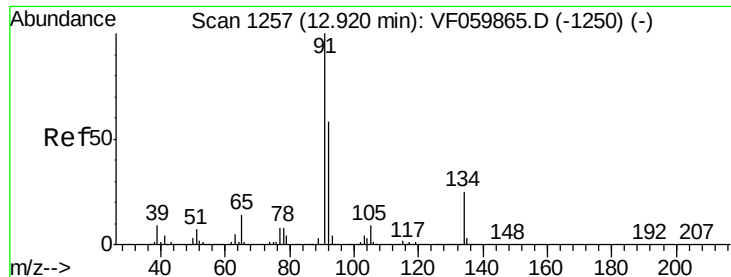
Delta R.T. 0.01 min

Lab File: VF059927.D

Acq: 8 Aug 2018 13:19

Tgt Ion:	146	Resp:	63656
Ion Ratio	Lower	Upper	
146	100		
111	47.7	21.4	64.2
148	65.9	31.6	94.7





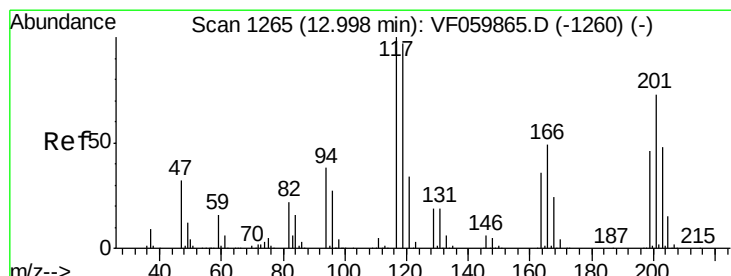
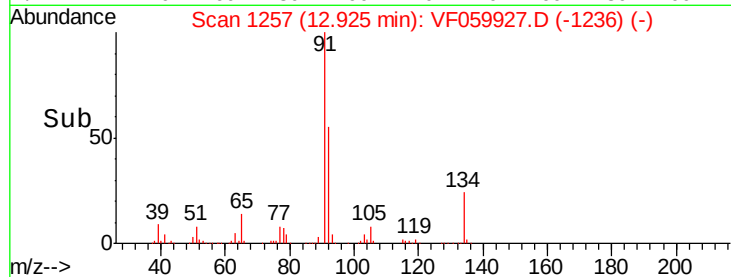
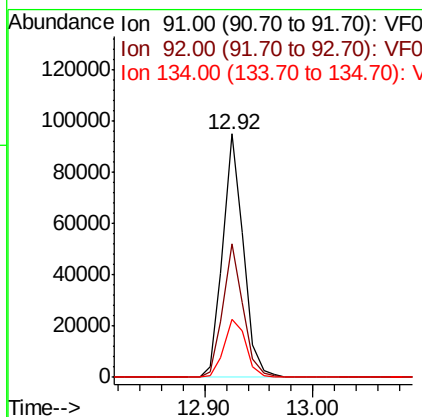
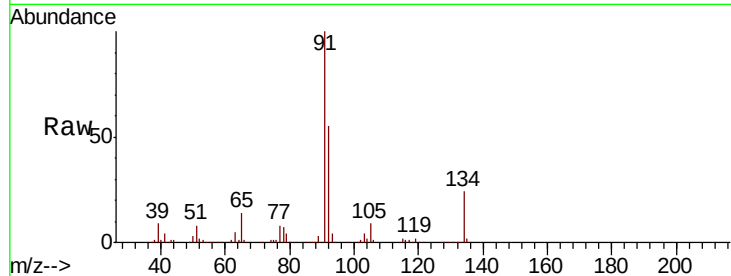
#89
n-Butylbenzene
Concen: 22.22 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	28.8	86.5
134	23.7	12.6	37.6

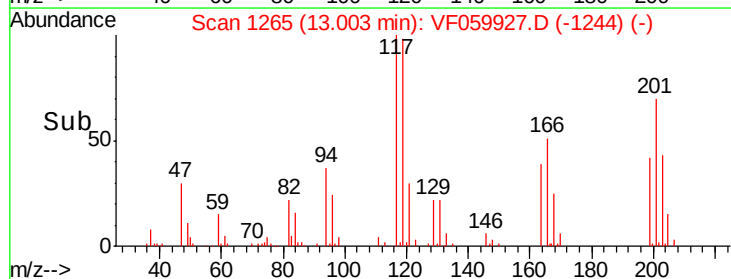
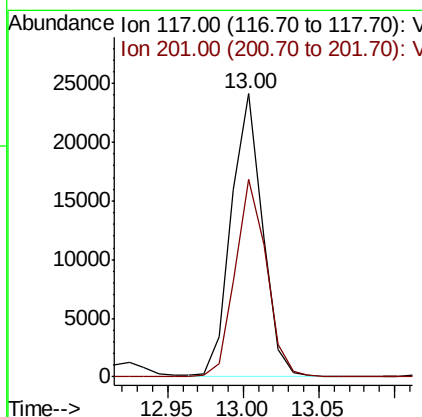
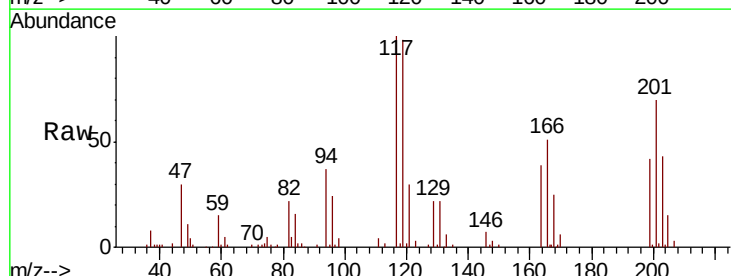
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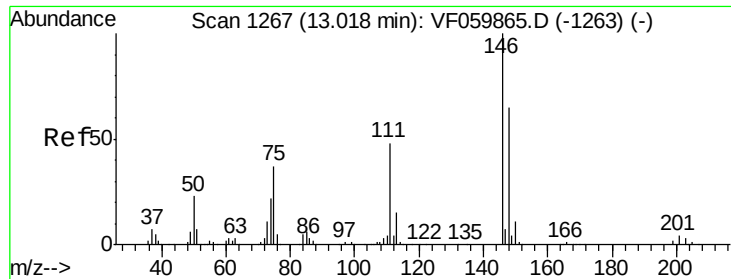
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#90
Hexachloroethane
Concen: 20.89 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.6	36.6	109.8





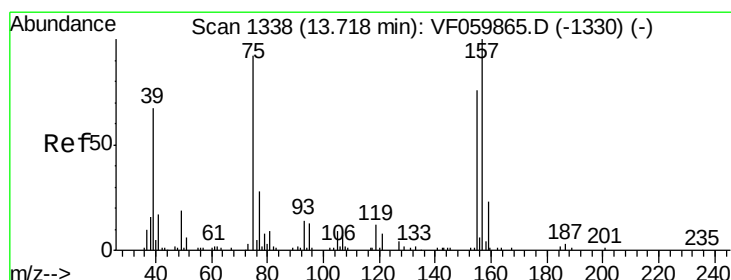
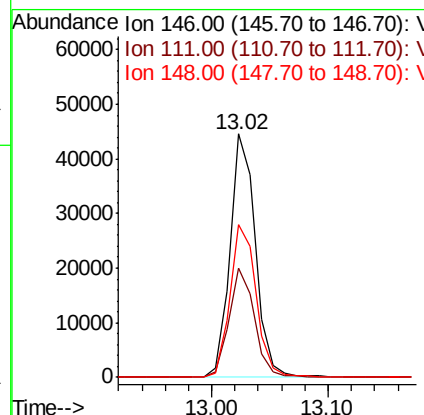
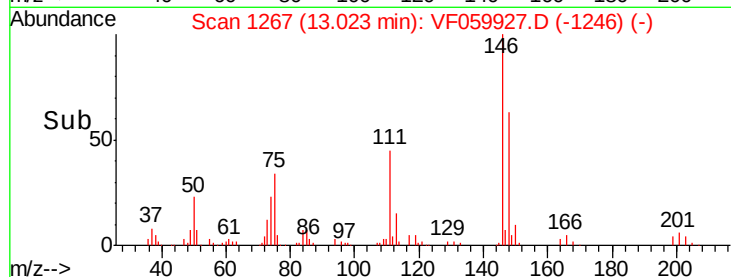
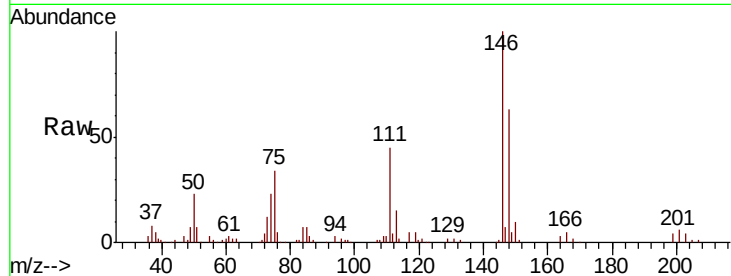
#91
 1,2-Dichlorobenzene
 Concen: 22.84 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	24.1	72.2
148	62.6	32.8	98.3

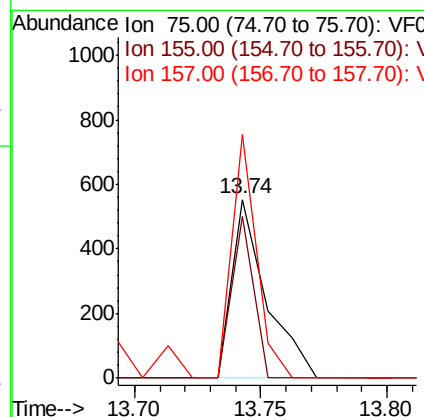
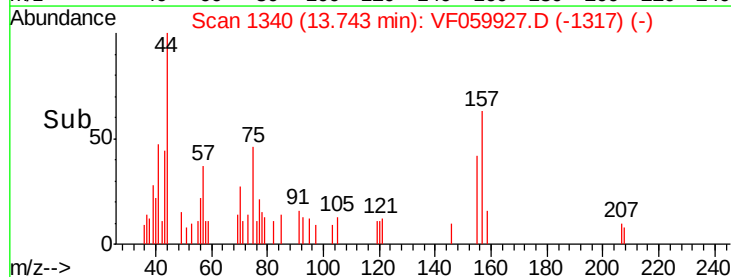
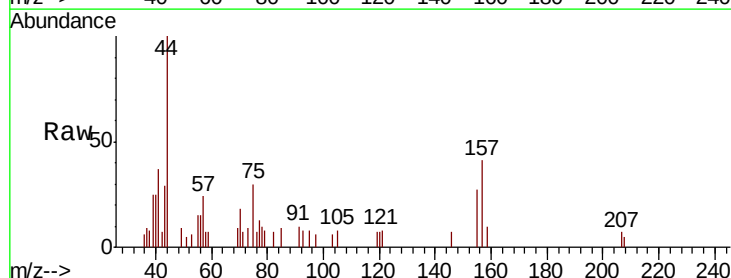
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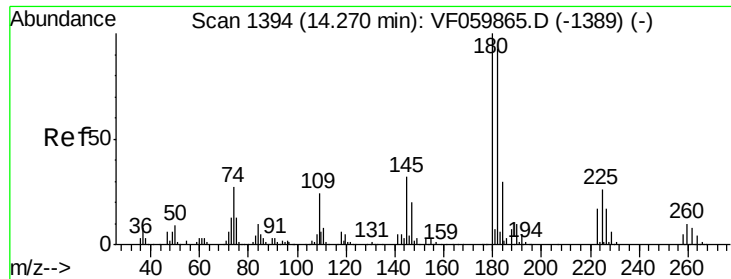
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.86 ug/l
 RT: 13.74 min Scan# 1340
 Delta R.T. 0.02 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	41.2	123.6
157	136.3	54.5	163.6





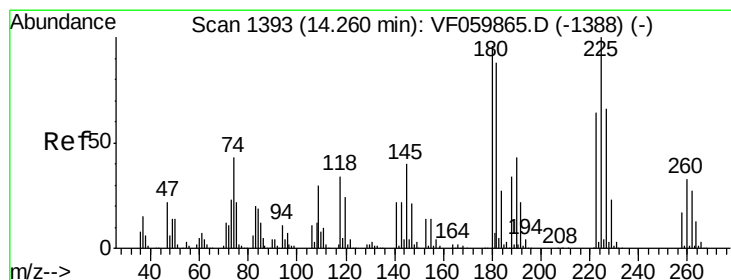
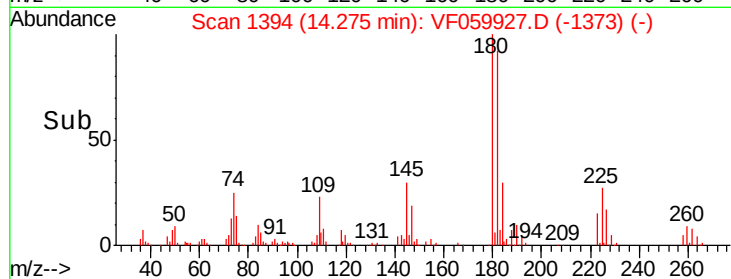
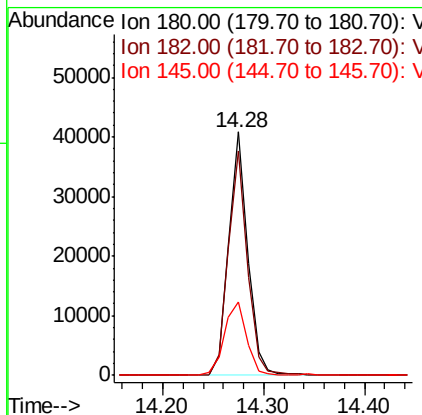
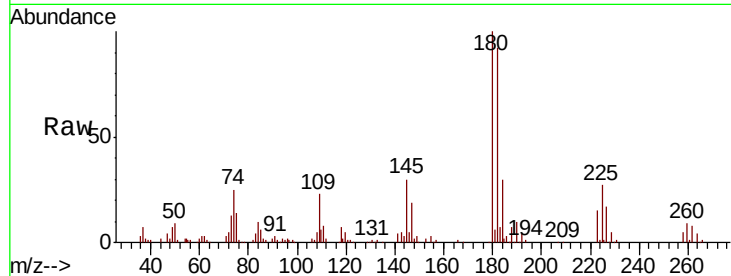
#93
 1,2,4-Trichlorobenzene
 Concen: 23.98 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	53574		
182	92.2	46.4	139.2	
145	30.1	15.9	47.7	

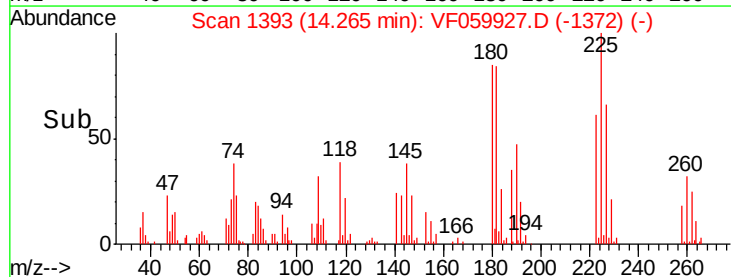
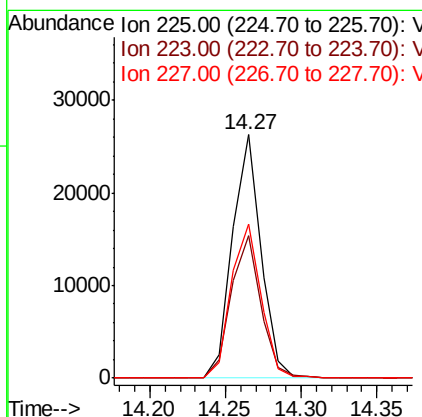
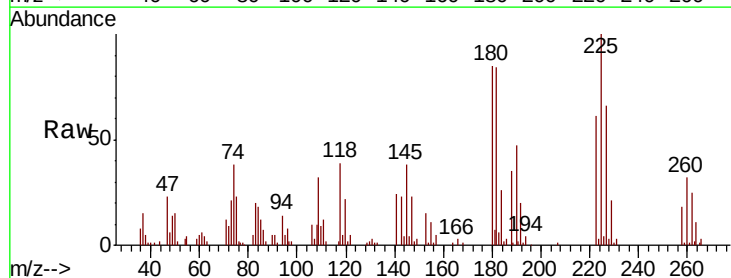
Manual Integrations
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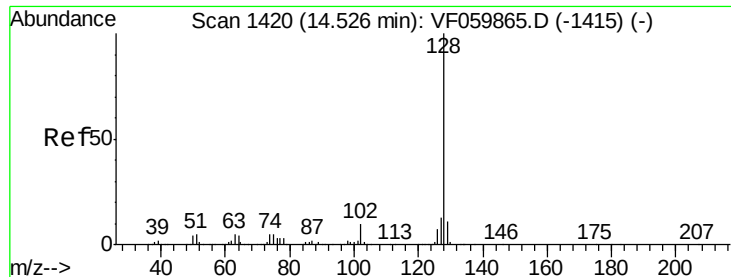
apatel
 8/9/2018 10:46:55 AM



#94
 Hexachlorobutadiene
 Concen: 21.85 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059927.D
 Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34496		
223	58.7	31.9	95.9	
227	63.4	32.8	98.4	





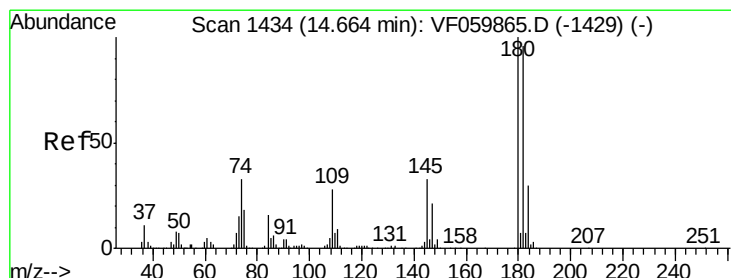
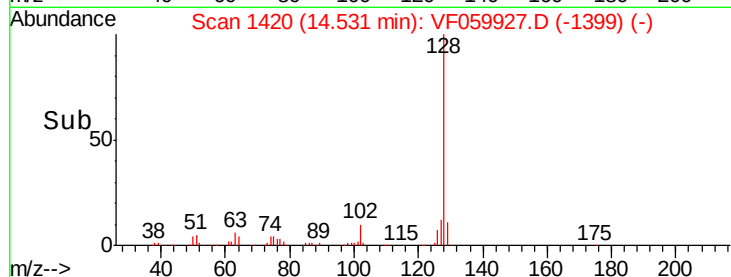
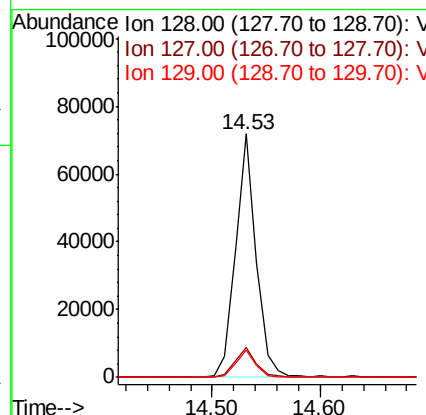
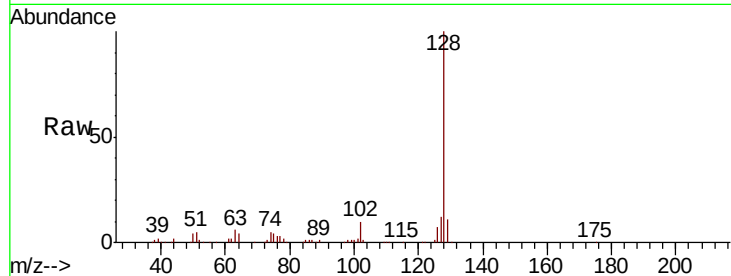
#95
Naphthalene
Concen: 24.69 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.4	15.6
129	11.2	9.0	13.6

Manual Integrations
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8/9/2018 10:46:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 24.78 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059927.D
Acq: 8 Aug 2018 13:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	48.1	144.3
145	30.4	16.6	49.8

