

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059867.D
 Acq On : 4 Aug 2018 5:40
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:09 AM

Quant Time: Aug 04 06:32:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	198012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	302673	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	296633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	187108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	347827	96.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.34%	
35) Dibromofluoromethane	4.30	113	274614	86.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.48%	
50) Toluene-d8	7.71	98	652141	89.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.24%	
62) 4-Bromofluorobenzene	11.52	95	356472	88.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	330521	114.28	ug/l	99
3) Chloromethane	1.09	50	155955	110.59	ug/l	98
4) Vinyl Chloride	1.16	62	166817	114.96	ug/l	92
5) Bromomethane	1.34	94	139035	115.75	ug/l	98
6) Chloroethane	1.42	64	103621	113.56	ug/l	98
7) Trichlorofluoromethane	1.53	101	427873m	110.73	ug/l	
8) Diethyl Ether	1.71	74	69071	107.12	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.90	101	219105	108.37	ug/l	98
10) Methyl Iodide	1.96	142	370798	115.48	ug/l	99
11) Tert butyl alcohol	2.69	59	73567	464.90	ug/l #	93
12) 1,1-Dichloroethene	1.86	96	176221	109.63	ug/l	88
13) Acrolein	2.09	56	44821	652.38	ug/l	97
14) Allyl chloride	2.19	41	290367	112.69	ug/l	96
15) Acrylonitrile	3.08	53	142706	544.69	ug/l #	89
16) Acetone	2.34	43	322792	497.37	ug/l	97
17) Carbon Disulfide	1.90	76	469257m	117.27	ug/l	
18) Methyl Acetate	2.46	43	107367	88.59	ug/l #	90
19) Methyl tert-butyl Ether	2.54	73	506050	106.10	ug/l	96
20) Methylene Chloride	2.28	84	164766m	88.67	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	175183	108.80	ug/l	96
22) Diisopropyl ether	2.93	45	578307	108.18	ug/l	91
23) Vinyl Acetate	3.33	43	1417422	522.13	ug/l	97
24) 1,1-Dichloroethane	3.00	63	400451	106.87	ug/l	100
25) 2-Butanone	4.52	43	367929	526.29	ug/l	96
26) 2,2-Dichloropropane	3.77	77	221992	86.05	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	204555	103.60	ug/l	90
28) Bromochloromethane	3.90	49	144638	99.45	ug/l	90
29) Tetrahydrofuran	4.25	42	135060	489.18	ug/l	99
30) Chloroform	4.04	83	521730	99.82	ug/l	94
31) Cyclohexane	3.87	56	213795	105.22	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	412647	100.71	ug/l	95
36) 1,1-Dichloropropene	4.47	75	335879	93.27	ug/l	98
37) Ethyl Acetate	4.29	43	148219	84.57	ug/l #	77
38) Carbon Tetrachloride	4.17	117	464580m	94.07	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	250014	92.02	ug/l	96
40) Benzene	4.81	78	569802	91.18	ug/l	98
41) Methacrylonitrile	4.92	41	71479	83.01	ug/l #	86
42) 1,2-Dichloroethane	5.12	62	435330	97.55	ug/l	100
43) Isopropyl Acetate	7.12	43	169597	94.43	ug/l #	99
44) Trichloroethene	5.68	130	212570	87.73	ug/l	98
45) 1,2-Dichloropropane	6.41	63	159602	97.21	ug/l	91
46) Dibromomethane	6.26	93	152164	97.33	ug/l	92
47) Bromodichloromethane	6.56	83	417511	97.41	ug/l	100
48) Methyl methacrylate	6.88	41	133912	98.49	ug/l	94
49) 1,4-Dioxane	6.86	88	18331	1749.02	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	795010	556.61	ug/l	97
52) Toluene	7.79	92	437188	94.26	ug/l	92
53) t-1,3-Dichloropropene	8.43	75	328577	90.20	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	353750	99.17	ug/l	92
55) 1,1,2-Trichloroethane	8.65	97	154211	92.81	ug/l	98
56) Ethyl methacrylate	8.77	69	178928	104.09	ug/l	88
57) 1,3-Dichloropropane	9.00	76	274024	95.10	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	98750	472.11	ug/l	100
59) 2-Hexanone	9.63	43	575055	509.74	ug/l	96
60) Dibromochloromethane	8.86	129	294309	98.48	ug/l	100
61) 1,2-Dibromoethane	9.14	107	193918	98.32	ug/l	94
64) Tetrachloroethene	8.31	164	253543	104.81	ug/l	98
65) Chlorobenzene	9.95	112	581271	95.60	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	267837	93.89	ug/l	98
67) Ethyl Benzene	10.05	91	984911	93.34	ug/l	97
68) m/p-Xylenes	10.27	106	692364	187.21	ug/l	91
69) o-Xylene	10.84	106	389329	99.53	ug/l	92
70) Styrene	10.90	104	564271	96.31	ug/l	98
71) Bromoform	10.89	173	175767	95.95	ug/l #	97
73) Isopropylbenzene	11.23	105	1166406	93.10	ug/l	99
74) N-amyl acetate	11.47	43	300278	97.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	212647	91.71	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	182364	91.74	ug/l	91
77) Bromobenzene	11.59	156	308864	94.73	ug/l	87
78) n-propylbenzene	11.69	91	1280408	87.65	ug/l	96
79) 2-Chlorotoluene	11.82	91	853072	93.95	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	1039868	92.15	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	73377m	91.72	ug/l	
82) 4-Chlorotoluene	11.99	91	886597	91.49	ug/l	98
83) tert-Butylbenzene	12.22	119	1026112	91.63	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	1082309	95.55	ug/l	97
85) sec-Butylbenzene	12.39	105	1331300	92.33	ug/l	97
86) p-Isopropyltoluene	12.54	119	1145965	90.11	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	541653	87.11	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	574500	94.46	ug/l	97
89) n-Butylbenzene	12.93	91	1067933	89.29	ug/l	94
90) Hexachloroethane	12.99	117	310506	97.27	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	547149	90.99	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	59797	103.72	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	429586	91.94	ug/l	94
94) Hexachlorobutadiene	14.26	225	285234	91.07	ug/l	98
95) Naphthalene	14.52	128	842216	103.03	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	438720	96.67	ug/l	98

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

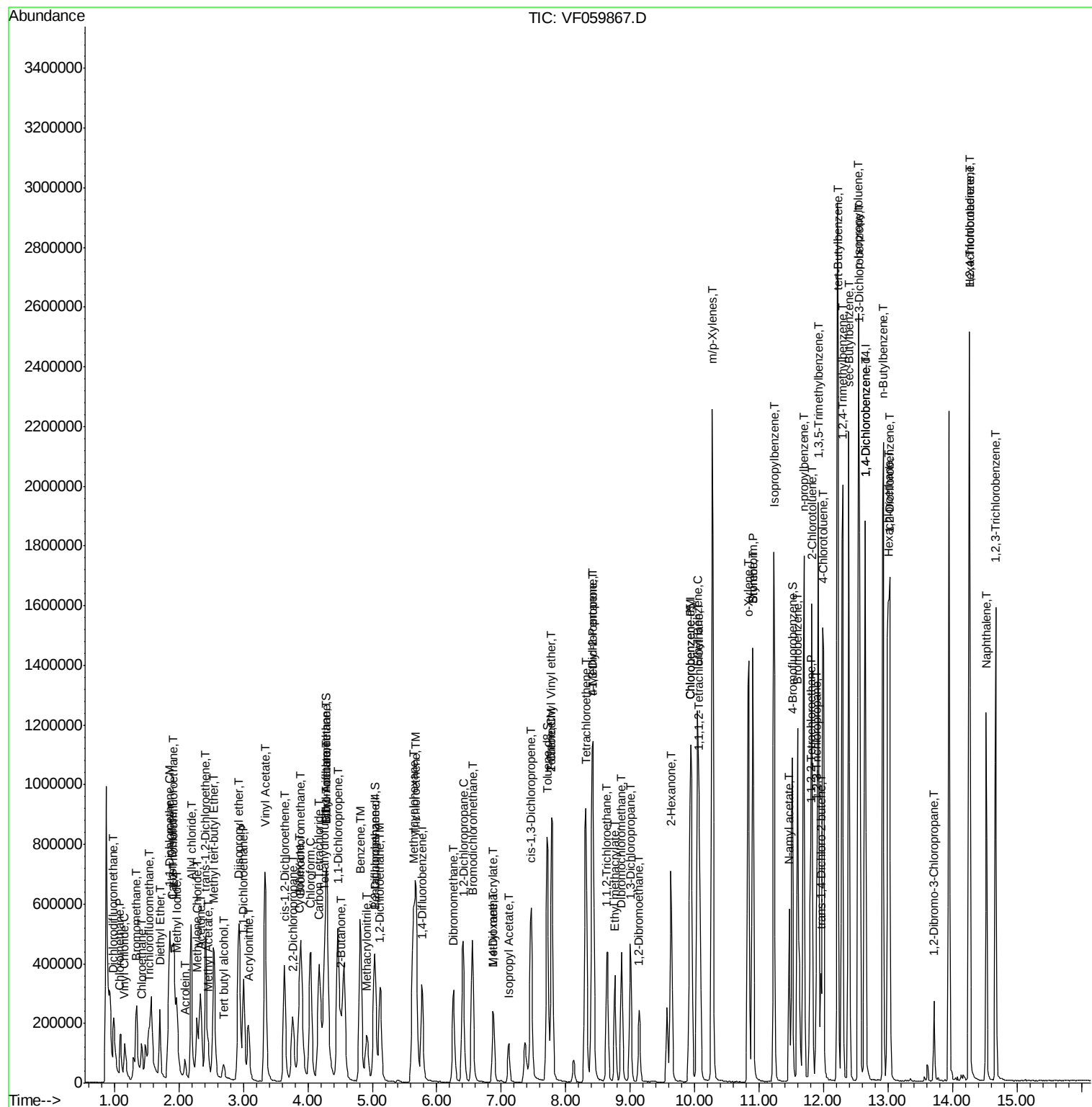
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080418\
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 Operator : VA/AP
 Sample : VSTDIC100
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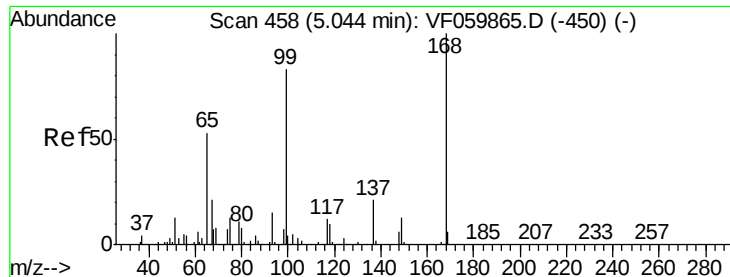
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 198012

Ion Ratio Lower Upper

168 100

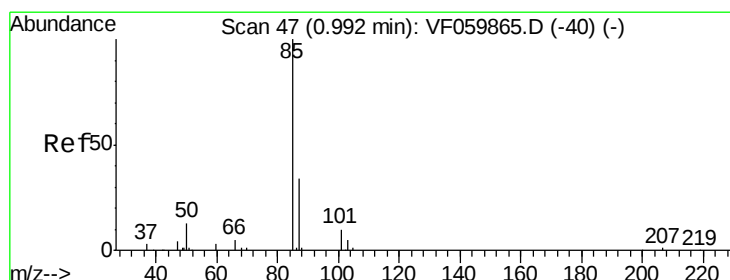
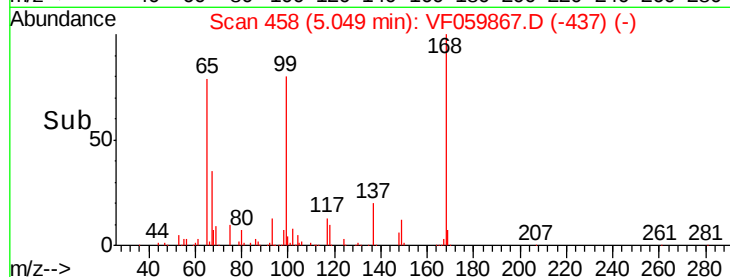
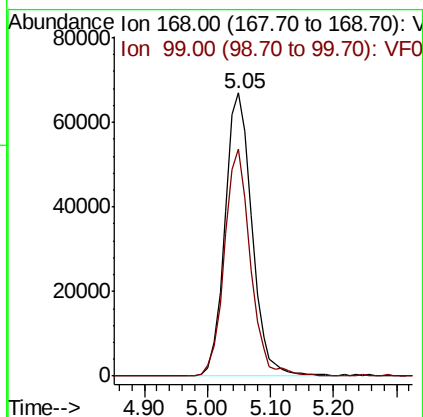
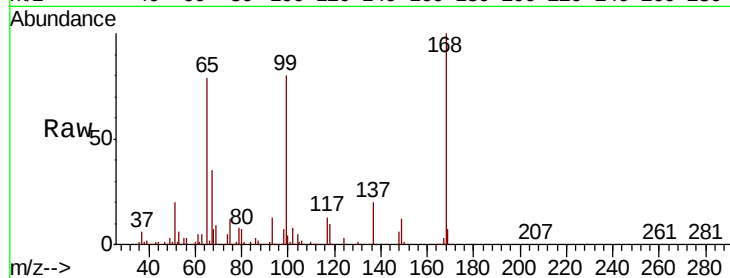
99 80.2 66.3 99.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 114.28 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059867.D

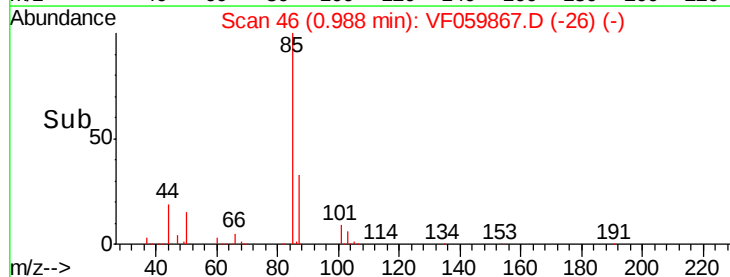
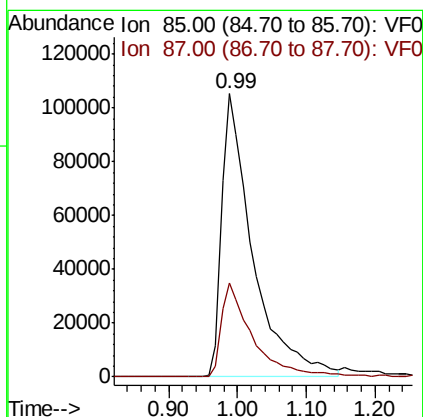
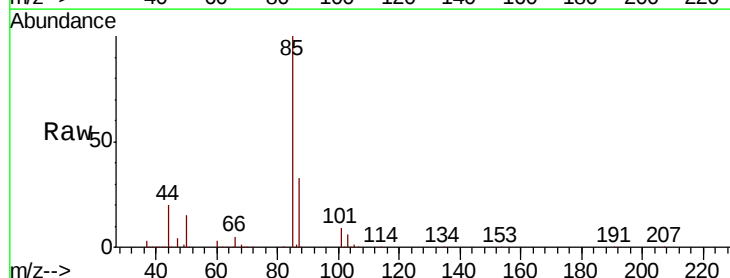
Acq: 4 Aug 2018 5:40

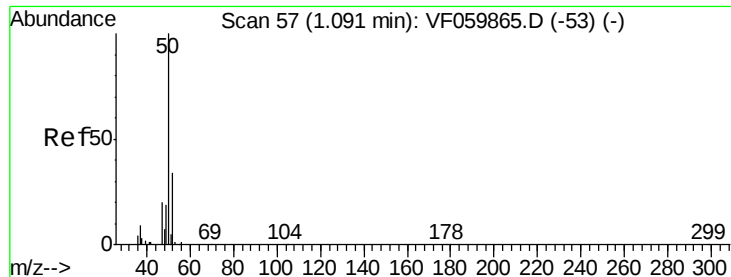
Tgt Ion: 85 Resp: 330521

Ion Ratio Lower Upper

85 100

87 33.2 16.9 50.7





#3

Chloromethane

Concen: 110.59 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 155955

Ion Ratio Lower Upper

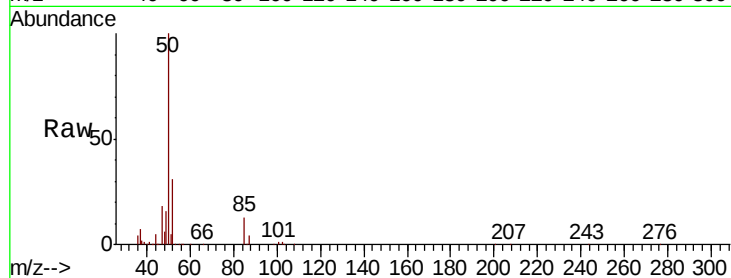
50 100

52 31.2 25.8 38.8

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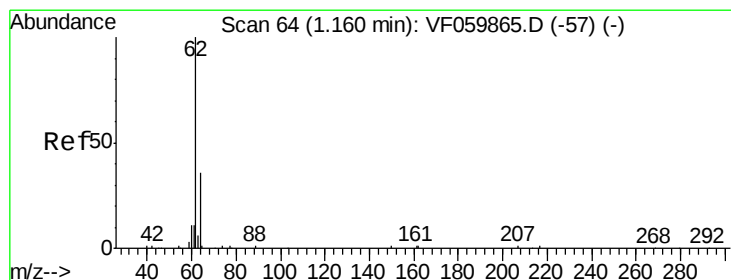
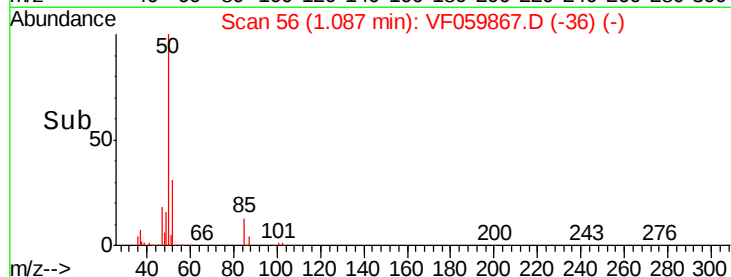
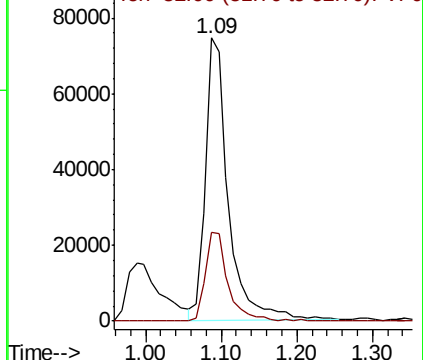
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 114.96 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059867.D

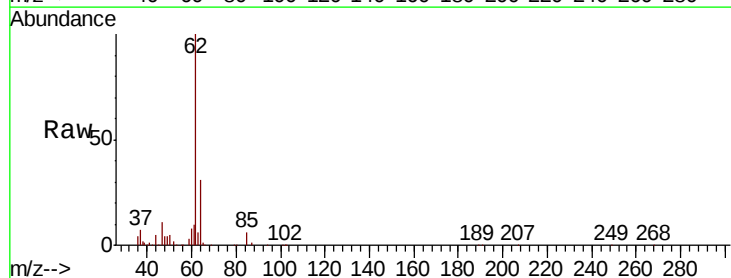
Acq: 4 Aug 2018 5:40

Tgt Ion: 62 Resp: 166817

Ion Ratio Lower Upper

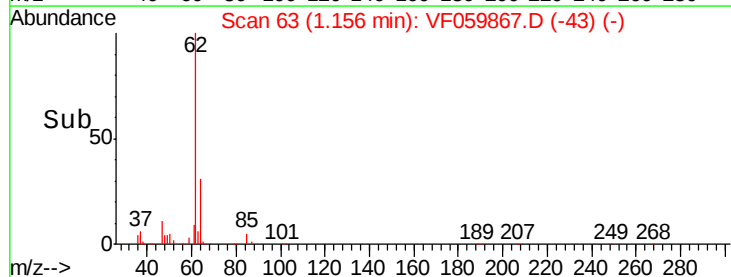
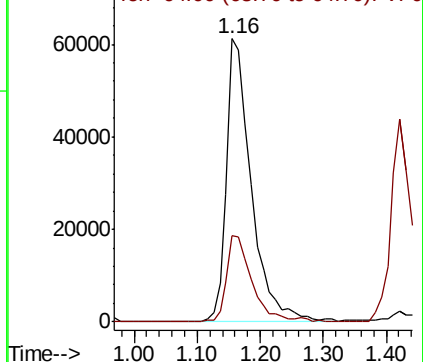
62 100

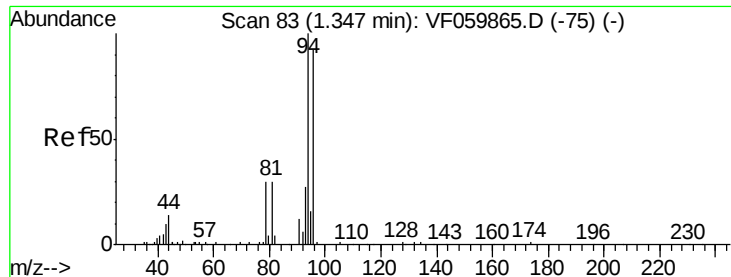
64 30.7 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 115.75 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

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MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 139035

Ion Ratio Lower Upper

94 100

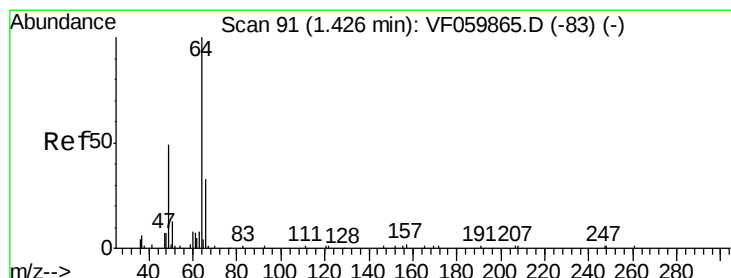
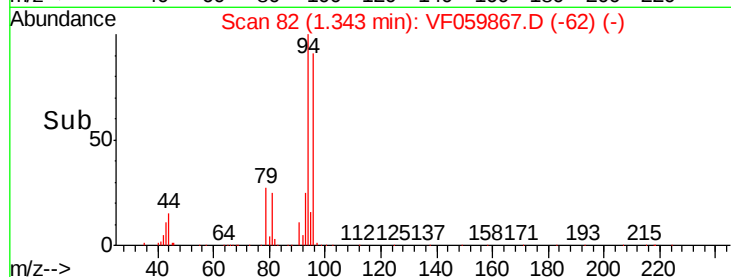
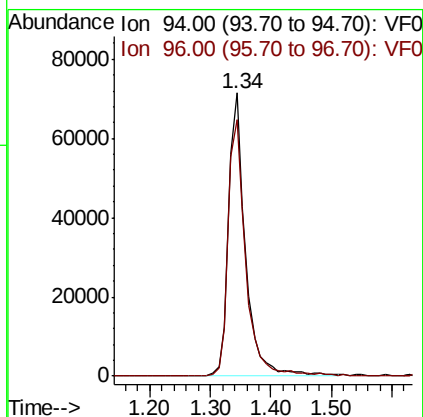
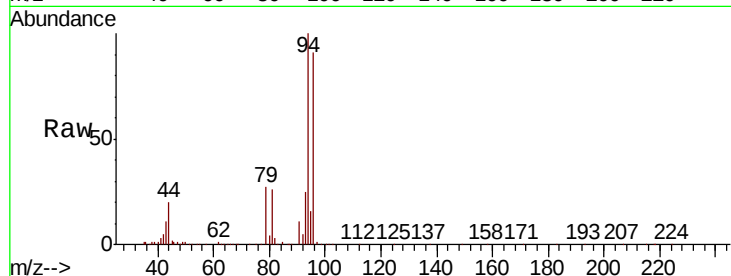
96 90.5 73.8 110.8

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#6

Chloroethane

Concen: 113.56 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

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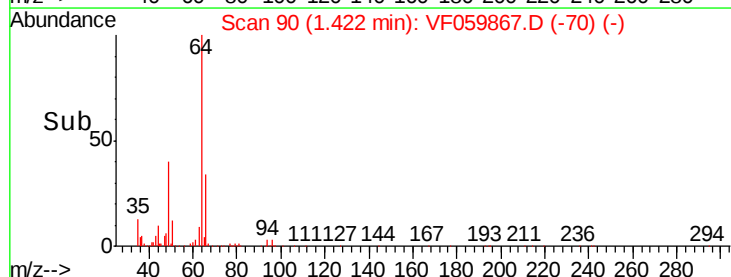
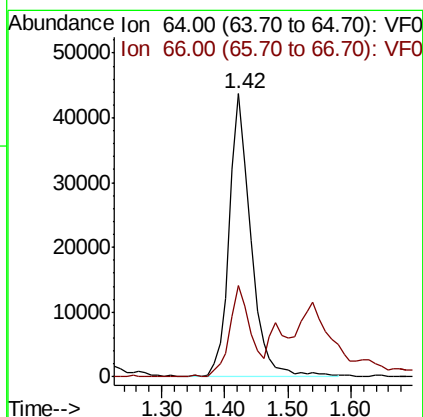
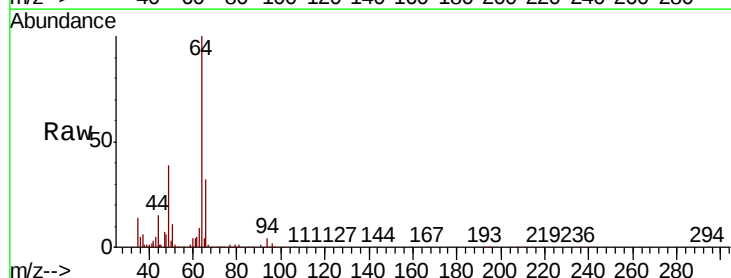
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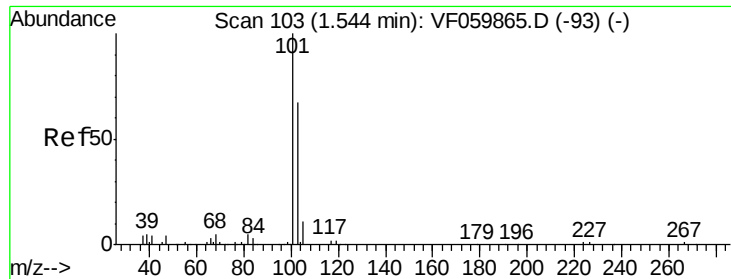
Tgt Ion: 64 Resp: 103621

Ion Ratio Lower Upper

64 100

66 32.2 26.9 40.3





#7

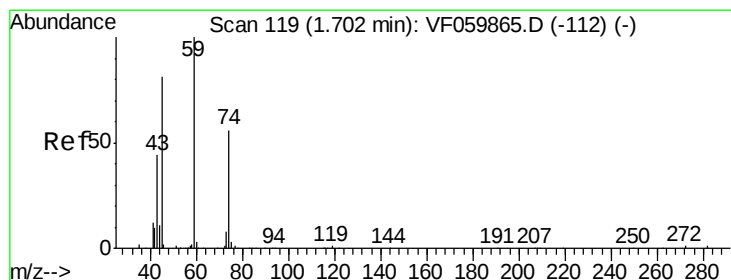
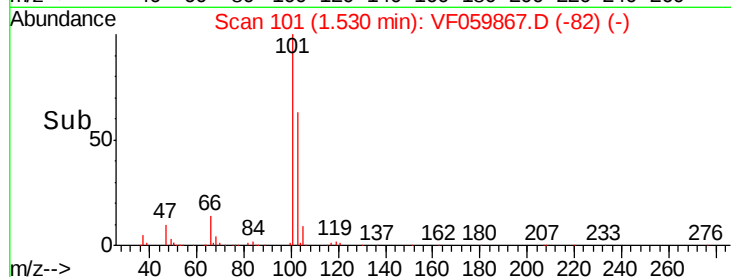
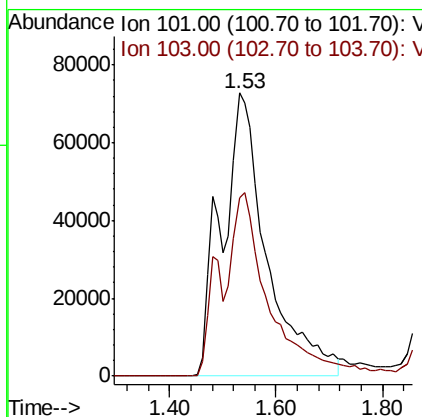
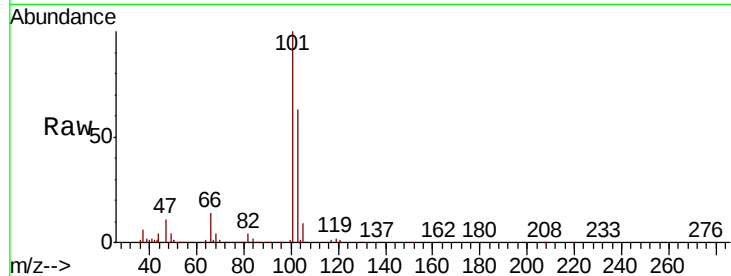
Trichlorofluoromethane
 Concen: 110.73 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	53.6	80.4

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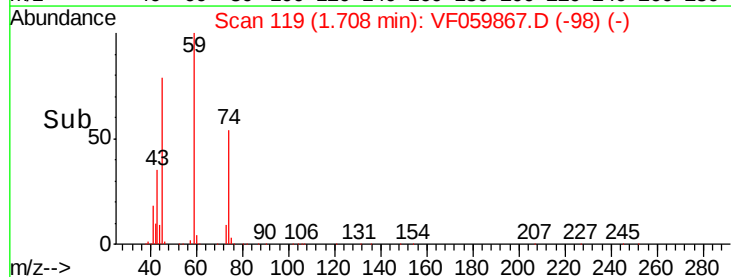
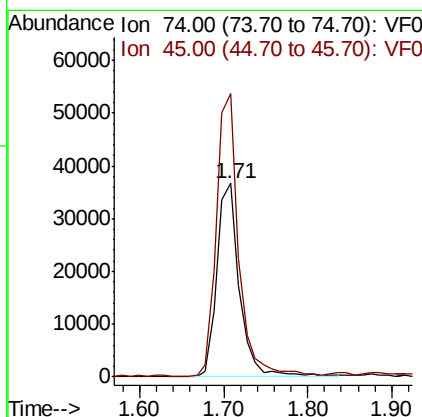
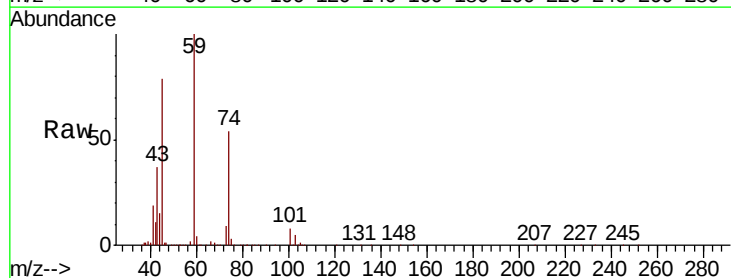
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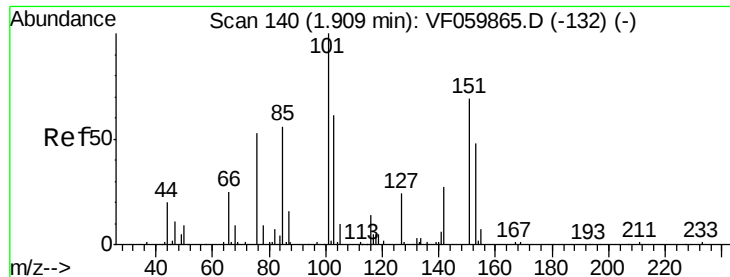


#8

Diethyl Ether
 Concen: 107.12 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	146.5	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.37 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

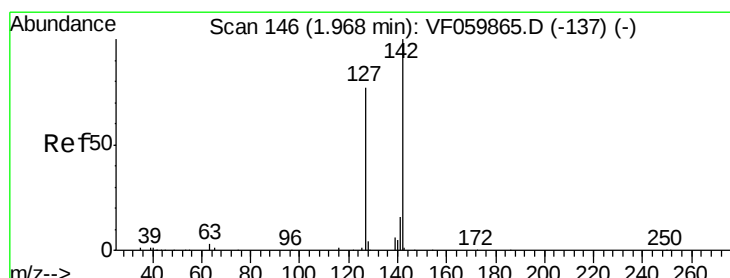
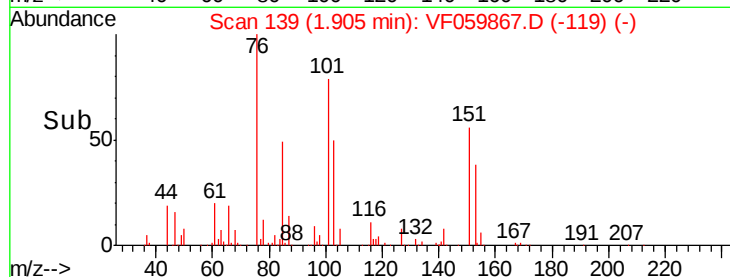
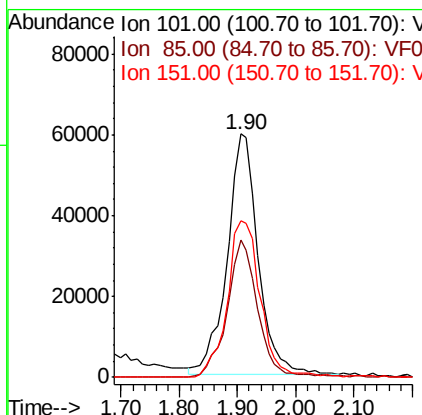
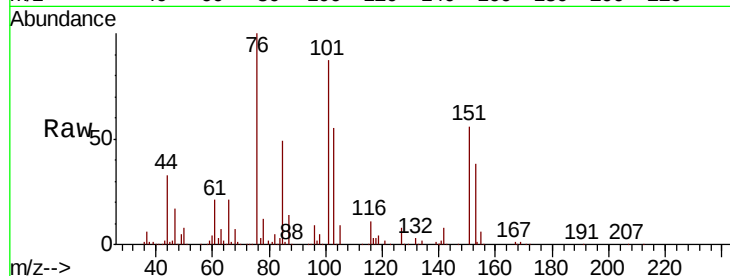
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	219105
Ion Ratio	Lower	Upper	
101	100		
85	56.5	44.5	66.7
151	64.5	53.8	80.8

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#10

Methyl Iodide

Concen: 115.48 ug/l

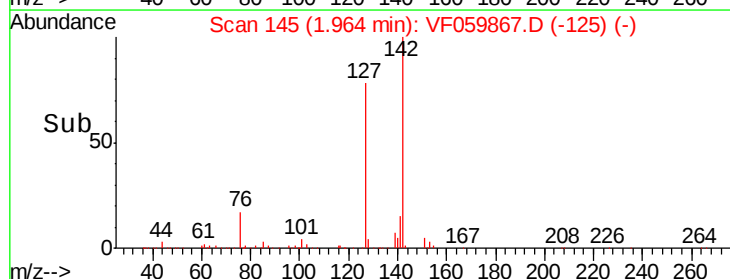
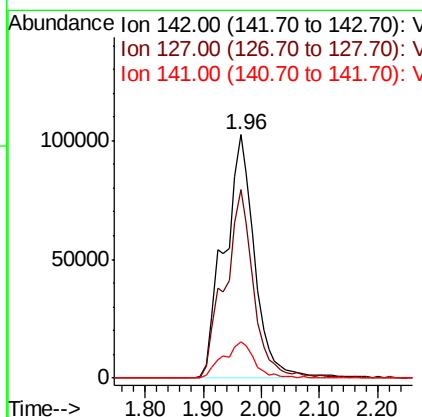
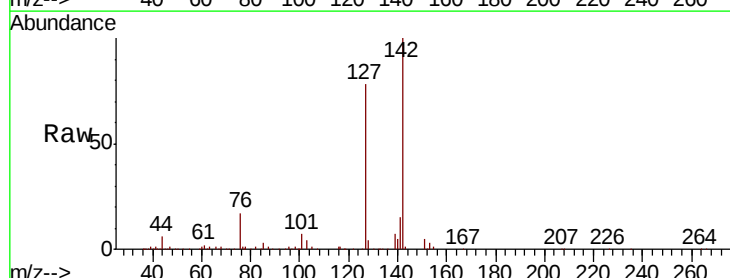
RT: 1.96 min Scan# 145

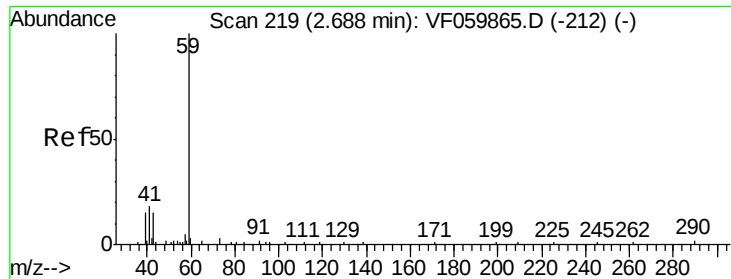
Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion:	142	Resp:	370798
Ion Ratio	Lower	Upper	
142	100		
127	77.5	61.5	92.3
141	15.1	13.0	19.4





#11

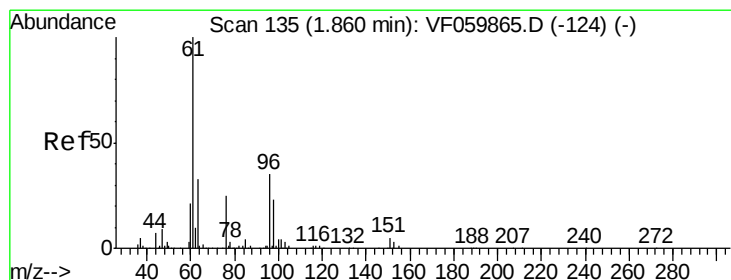
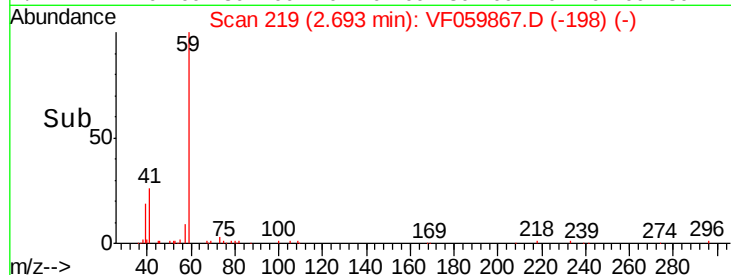
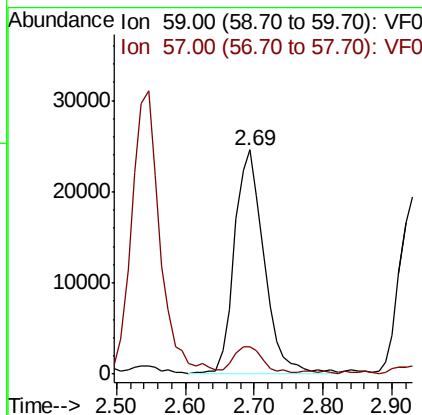
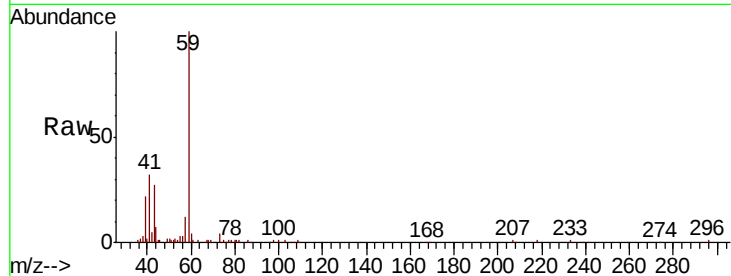
Tert butyl alcohol
Concen: 464.90 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.0	7.6	11.4#

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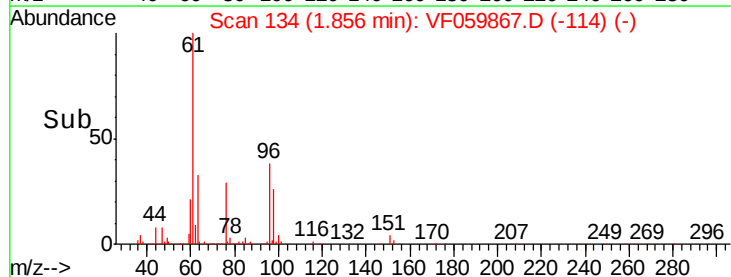
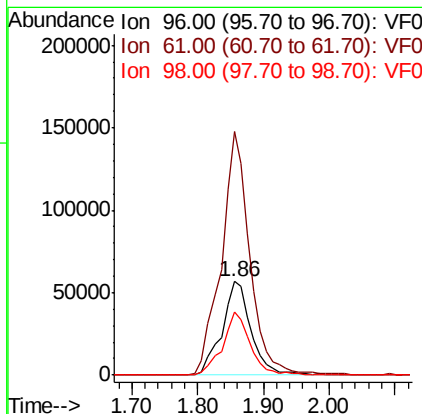
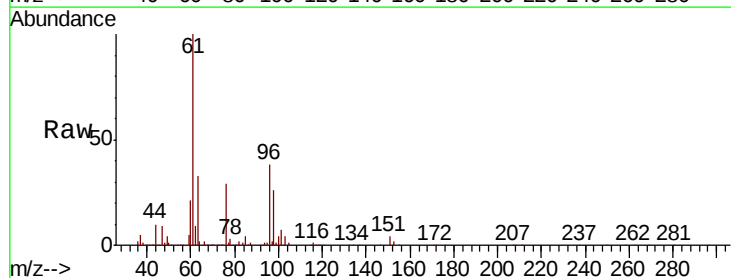
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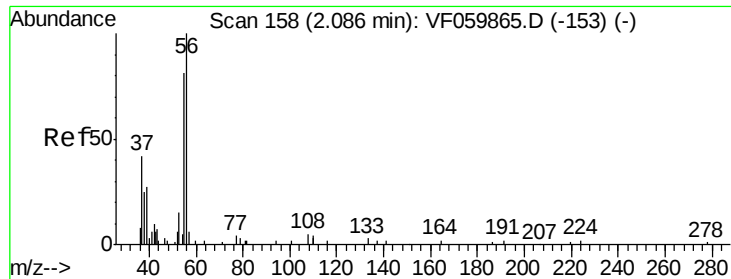


#12

1,1-Dichloroethene
Concen: 109.63 ug/l
RT: 1.86 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	260.1	230.2	345.2
98	67.6	52.7	79.1





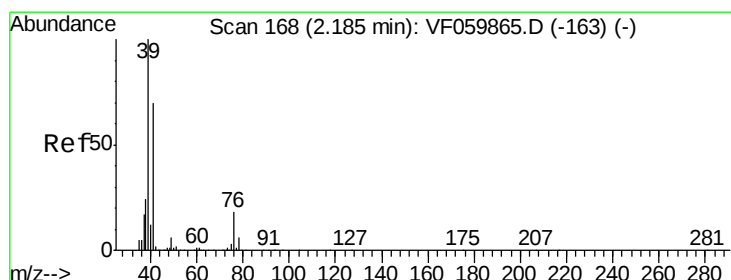
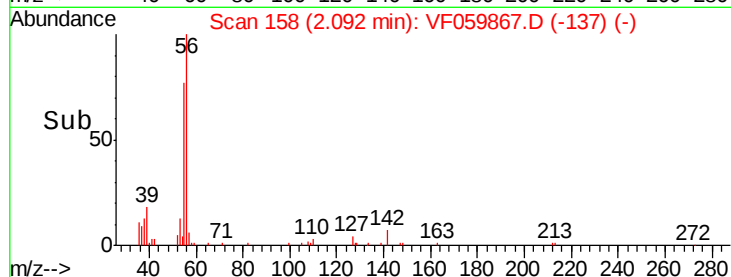
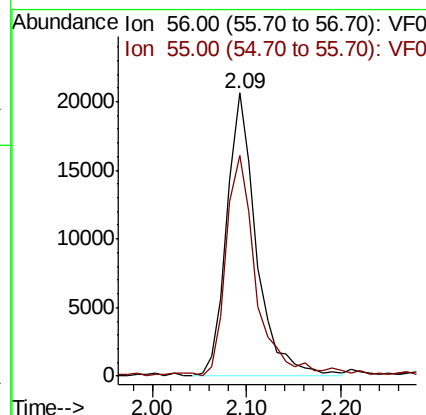
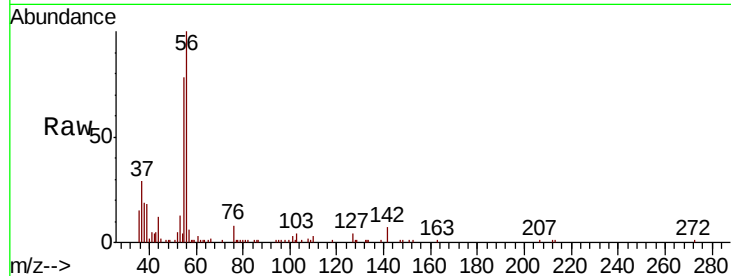
#13
Acrolein
Concen: 652.38 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	44821
Ion Ratio	Lower	Upper	
56	100		
55	78.0	64.6	96.8

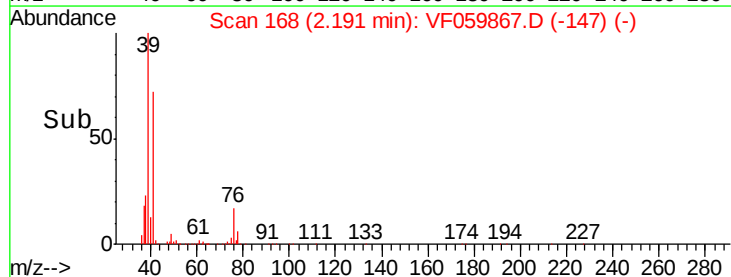
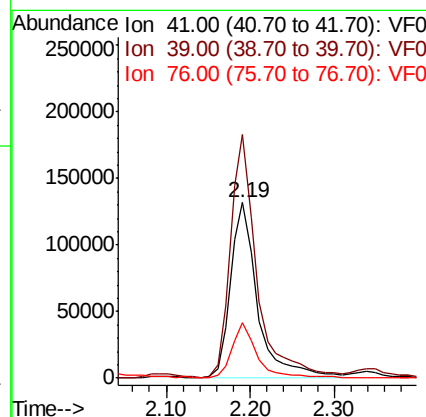
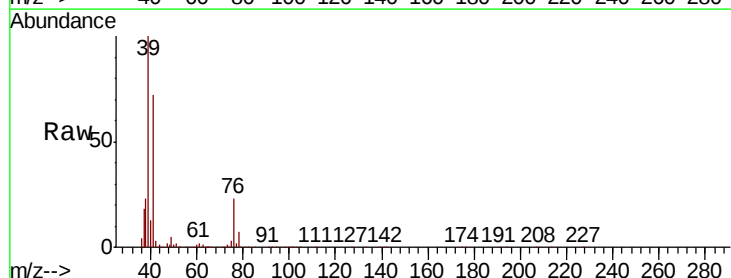
Manual Integrations
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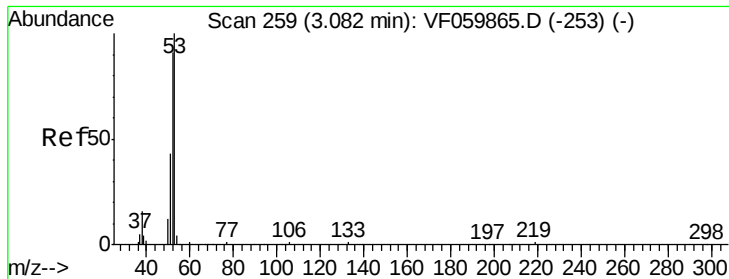
apatel
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#14
Allyl chloride
Concen: 112.69 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	41	Resp	290367
Ion Ratio	Lower	Upper	
41	100		
39	139.0	114.6	171.8
76	31.3	21.0	31.4





#15

Acrylonitrile

Concen: 544.69 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

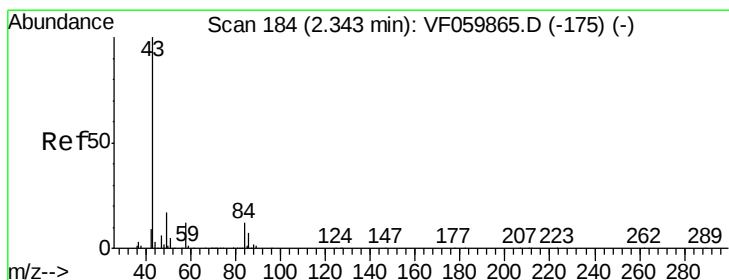
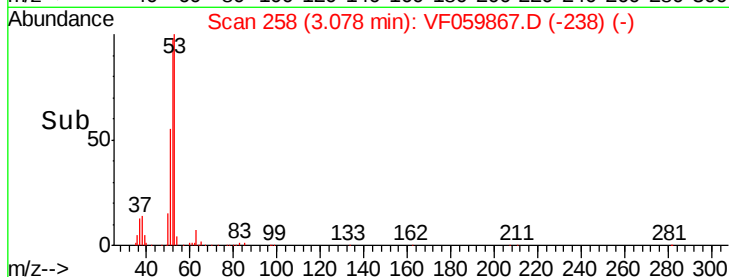
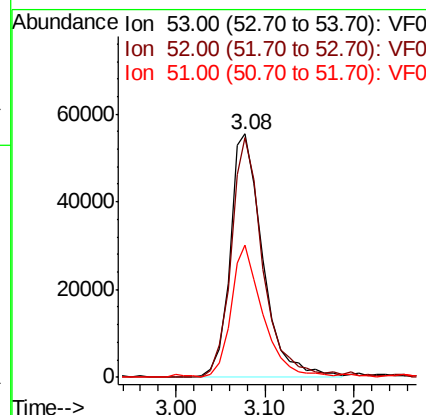
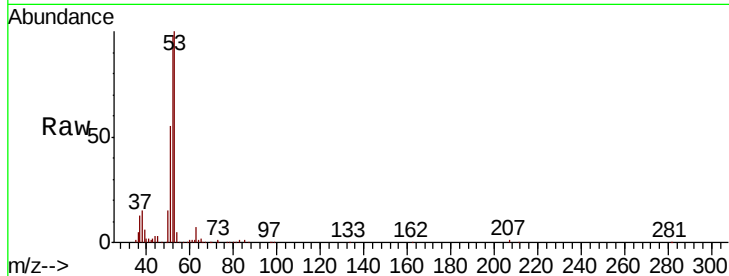
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	142706
Ion Ratio	Lower	Upper	
53	100		
52	98.4	72.9	109.3
51	54.5	34.5	51.7#

Manual Integrations
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#16

Acetone

Concen: 497.37 ug/l

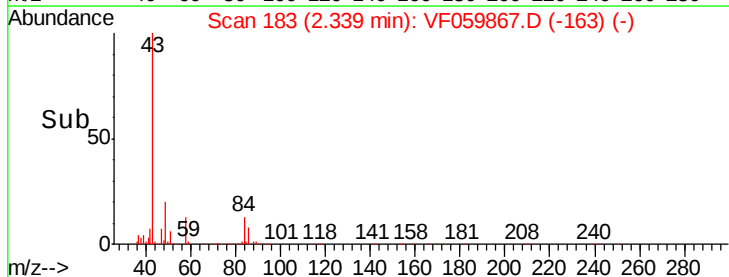
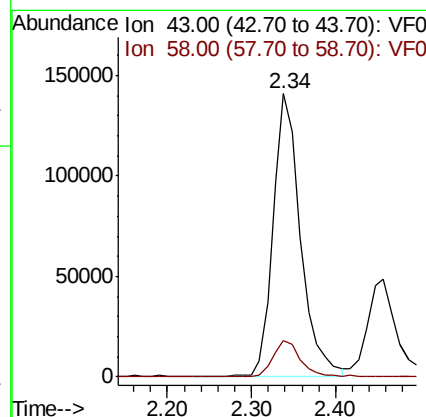
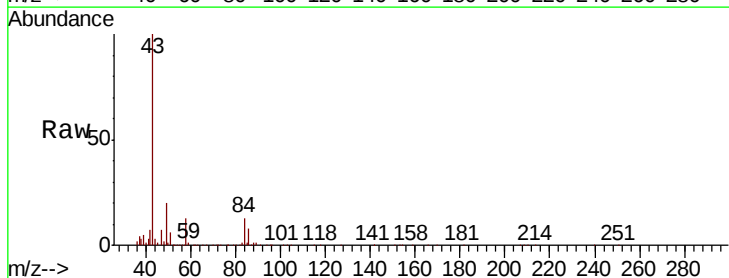
RT: 2.34 min Scan# 183

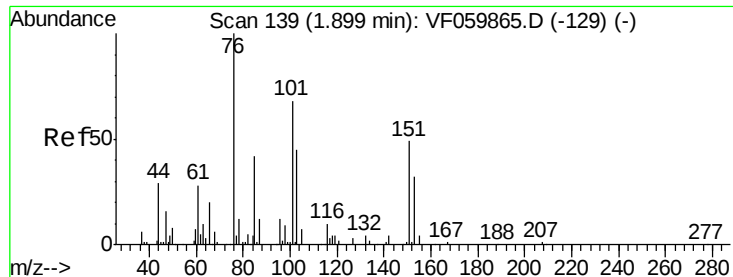
Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion:	43	Resp:	322792
Ion Ratio	Lower	Upper	
43	100		
58	12.7	9.4	14.0





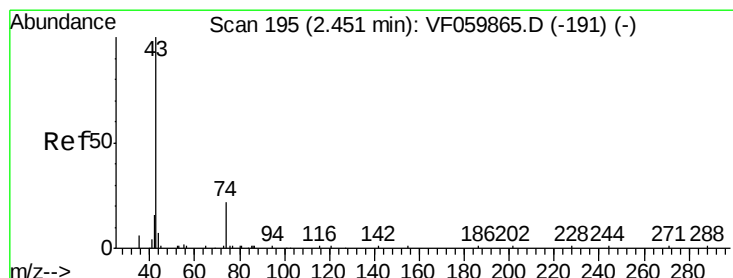
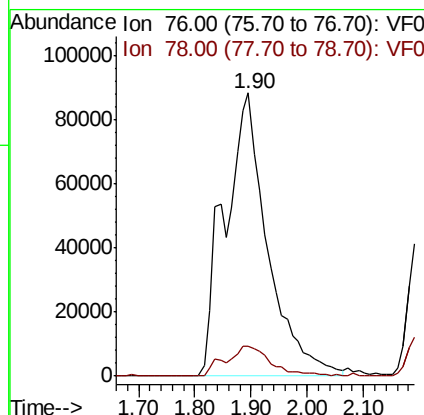
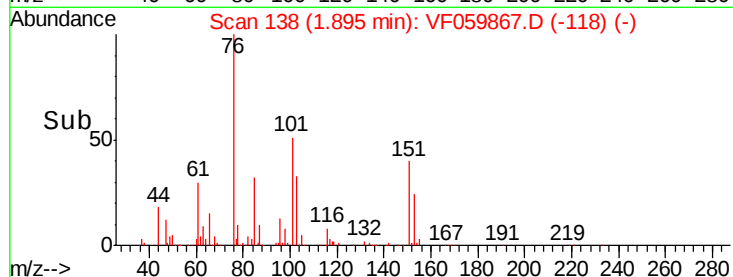
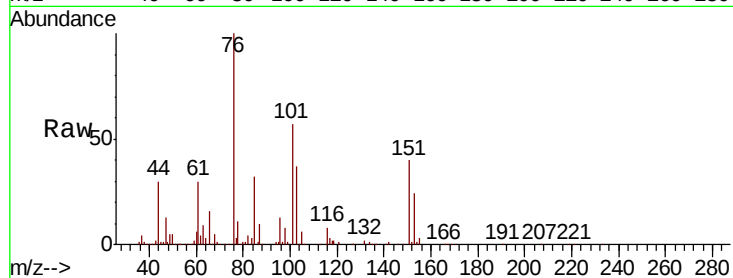
#17
Carbon Disulfide
Concen: 117.27 ug/l m
RT: 1.90 min Scan# 138
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.6	9.3	13.9

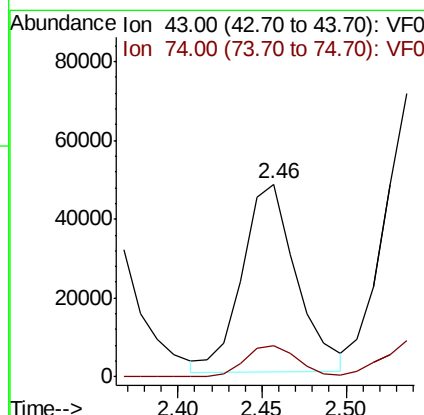
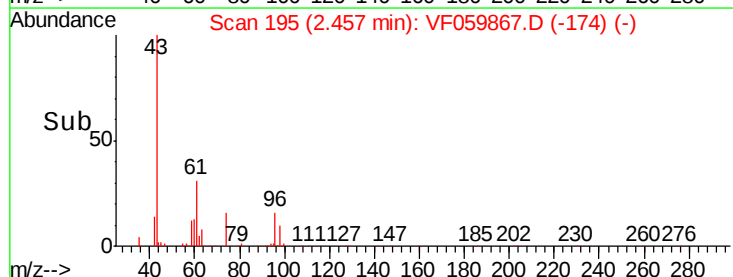
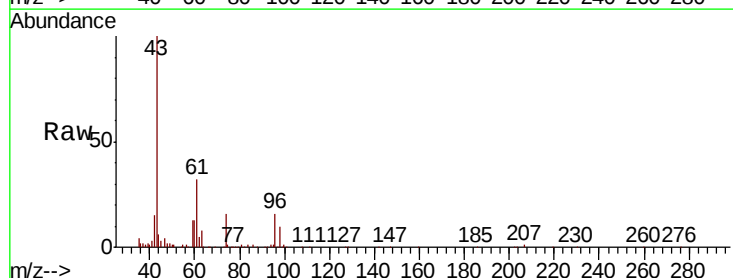
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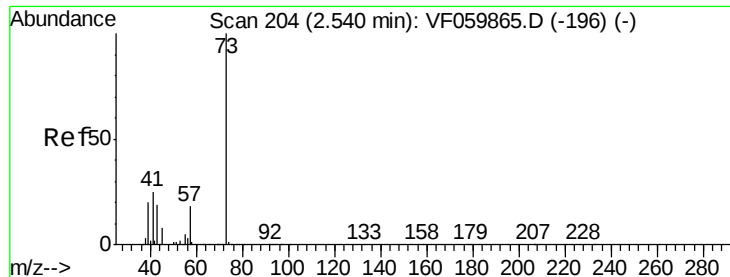
apatel
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#18
Methyl Acetate
Concen: 88.59 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.0	16.3	24.5#





#19

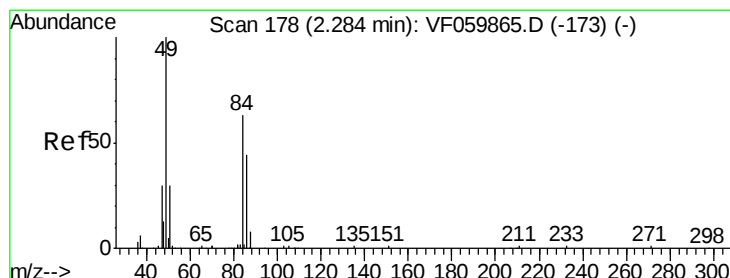
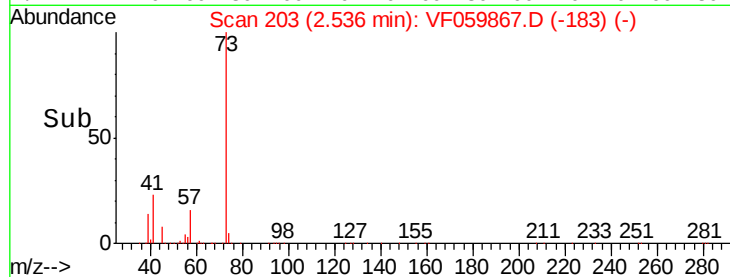
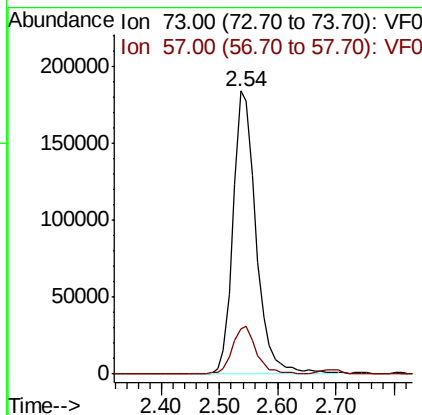
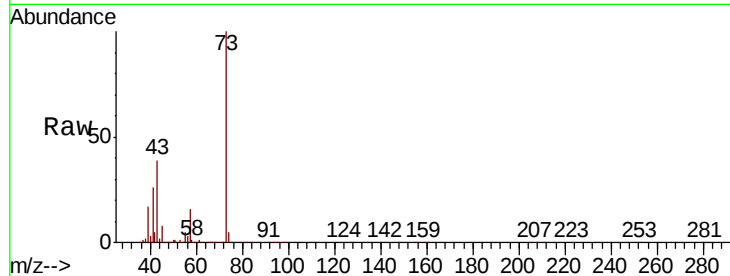
Methyl tert-butyl Ether
 Concen: 106.10 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.1	14.3	21.5

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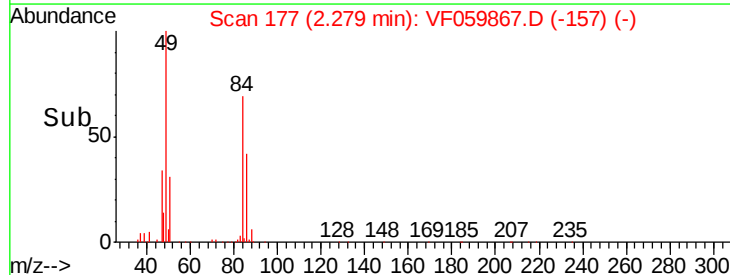
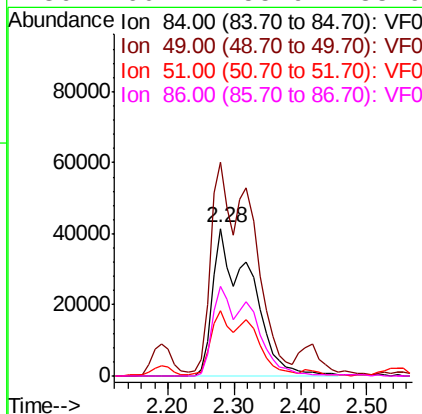
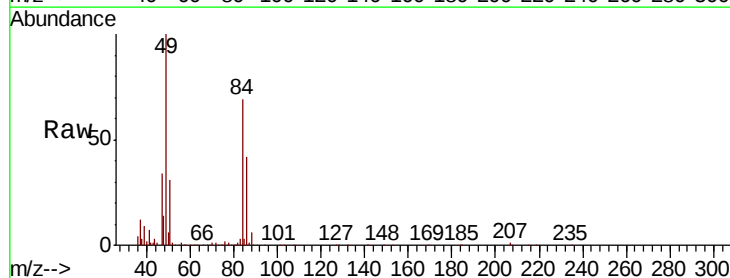
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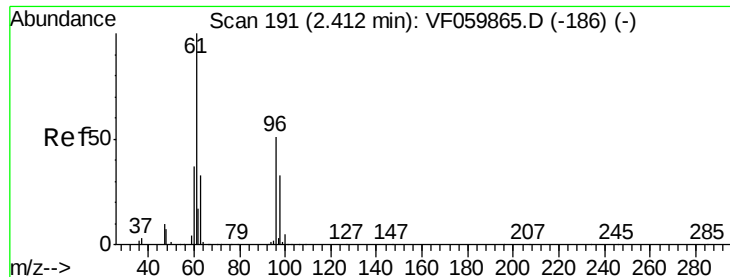


#20

Methylene Chloride
 Concen: 88.67 ug/l m
 RT: 2.28 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.7	128.7	193.1
51	44.5	39.3	58.9
86	60.7	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 108.80 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

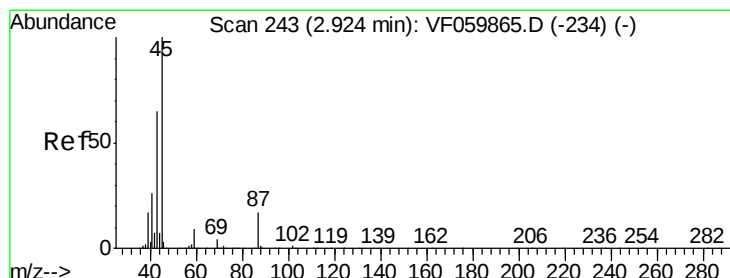
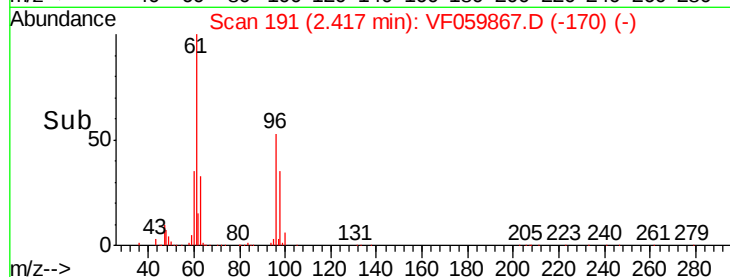
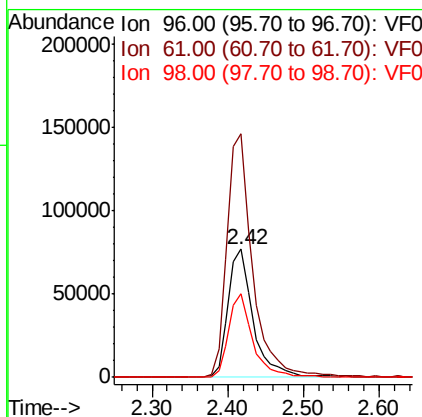
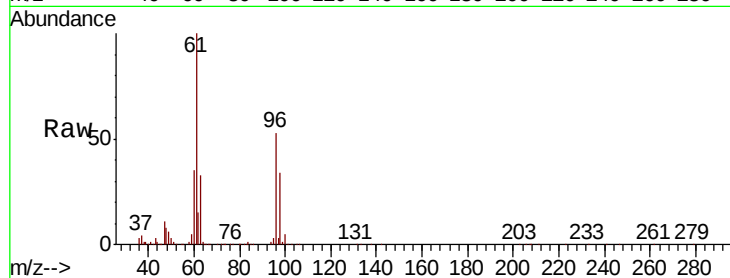
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	175183
Ion	Ratio	Lower	Upper
96	100		
61	190.0	158.2	237.4
98	65.4	52.0	78.0

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#22

Diisopropyl ether

Concen: 108.18 ug/l

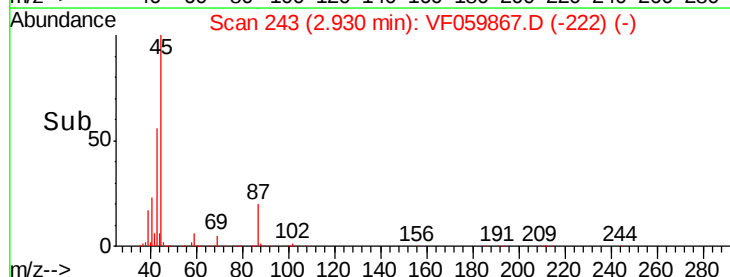
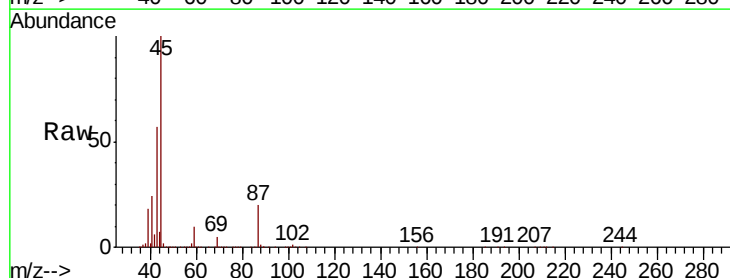
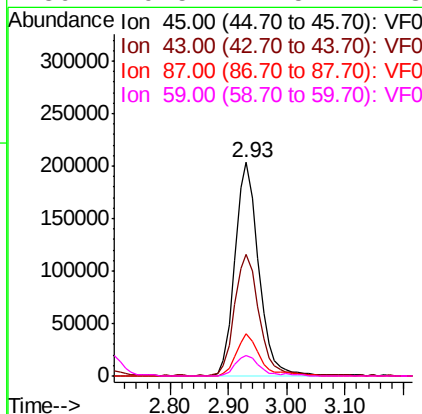
RT: 2.93 min Scan# 243

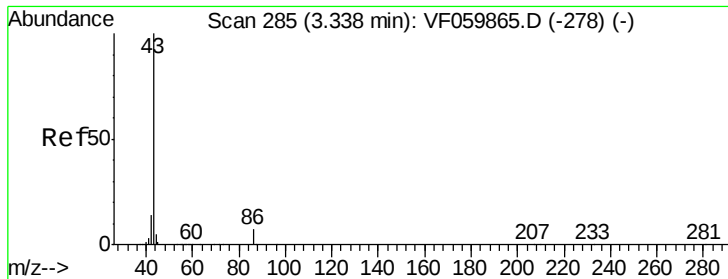
Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion:	45	Resp:	578307
Ion	Ratio	Lower	Upper
45	100		
43	56.7	52.1	78.1
87	19.9	13.8	20.8
59	9.5	7.5	11.3





#23

Vinyl Acetate

Concen: 522.13 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 1417422

Ion Ratio Lower Upper

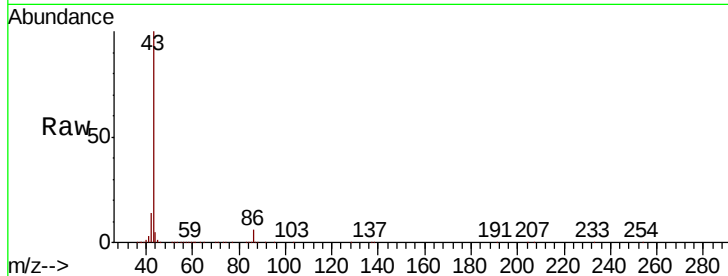
43 100

86 6.1 5.6 8.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

600000

500000

400000

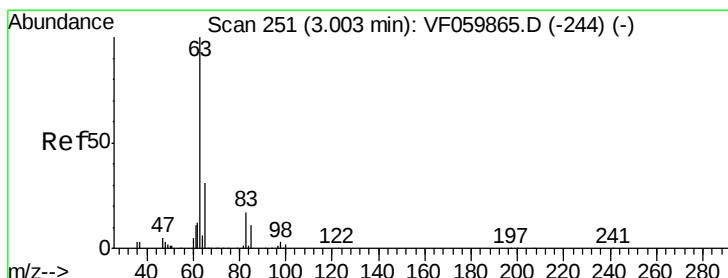
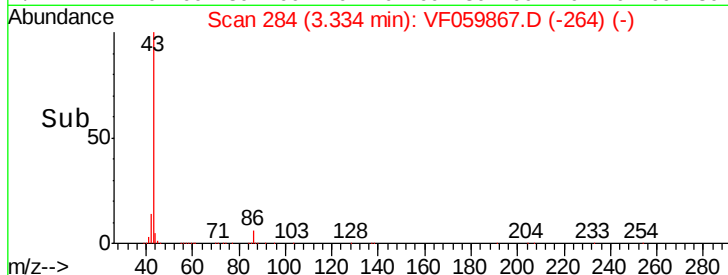
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 106.87 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

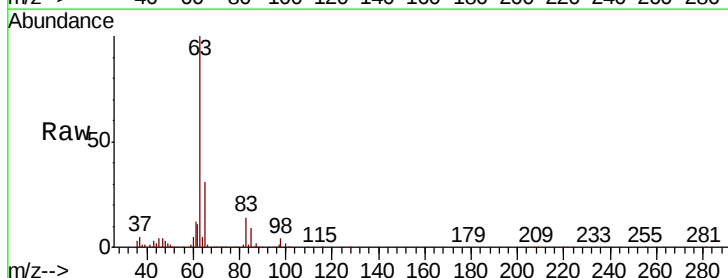
Tgt Ion: 63 Resp: 400451

Ion Ratio Lower Upper

63 100

98 3.9 1.9 5.7

100 2.2 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

3.00

200000

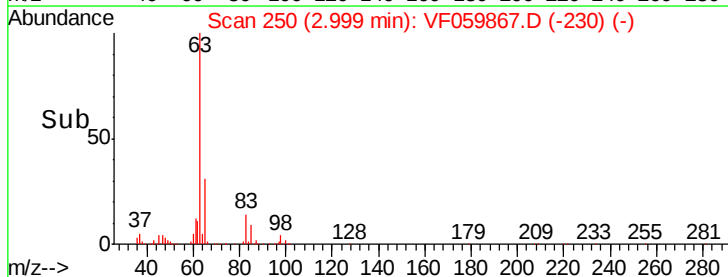
150000

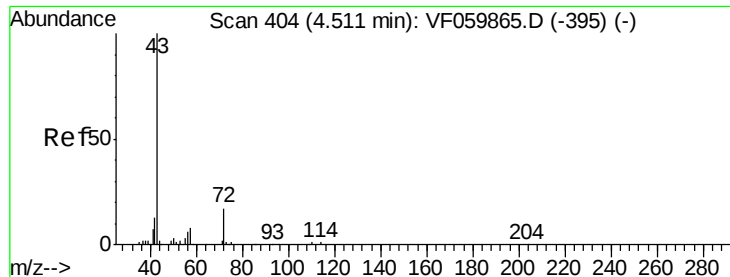
100000

50000

0

Time-->





#25

2-Butanone

Concen: 526.29 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 367929

Ion Ratio Lower Upper

43 100

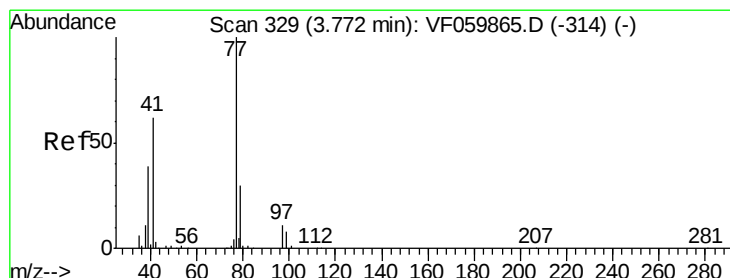
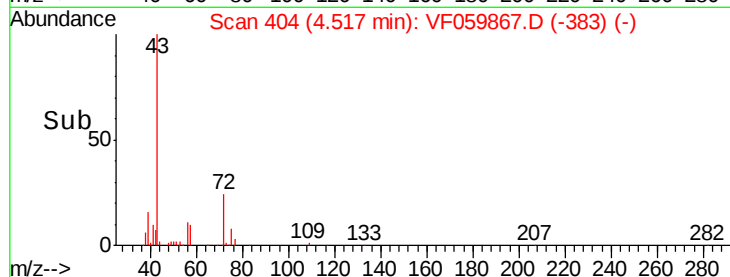
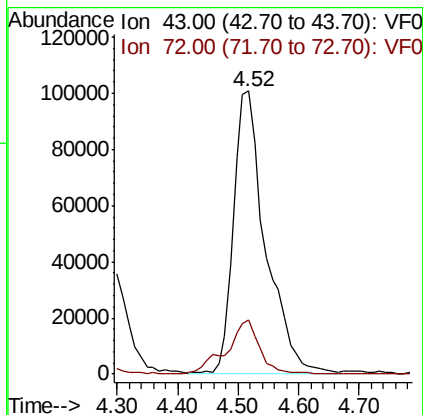
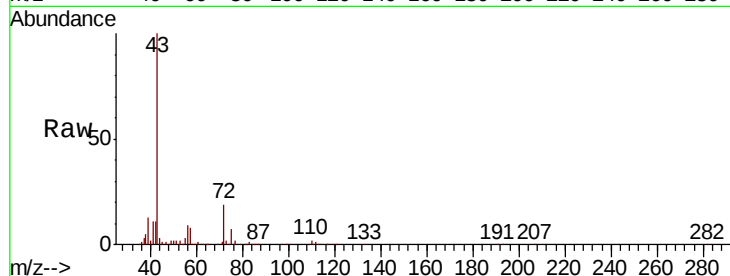
72 19.1 13.9 20.9

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#26

2,2-Dichloropropane

Concen: 86.05 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF059867.D

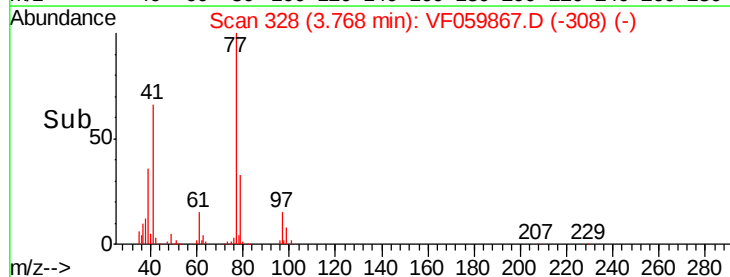
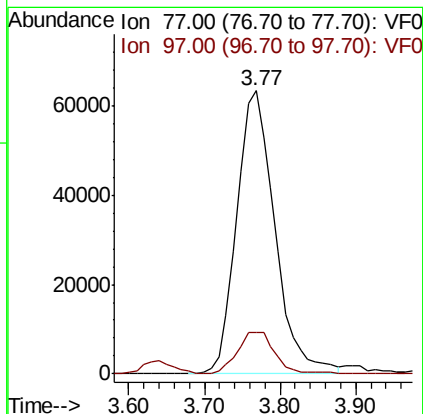
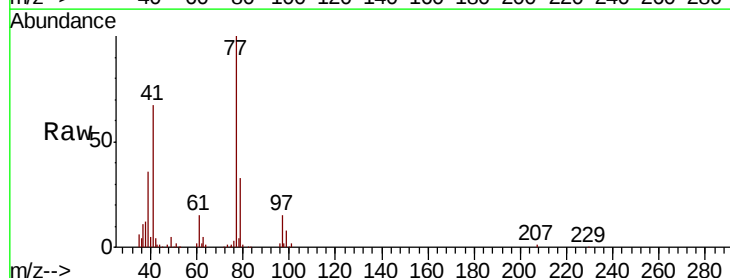
Acq: 4 Aug 2018 5:40

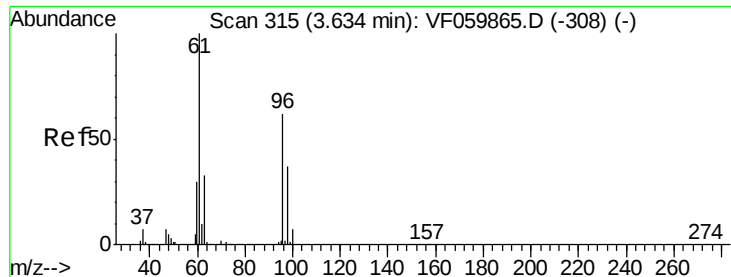
Tgt Ion: 77 Resp: 221992

Ion Ratio Lower Upper

77 100

97 14.7 6.8 20.3





#27

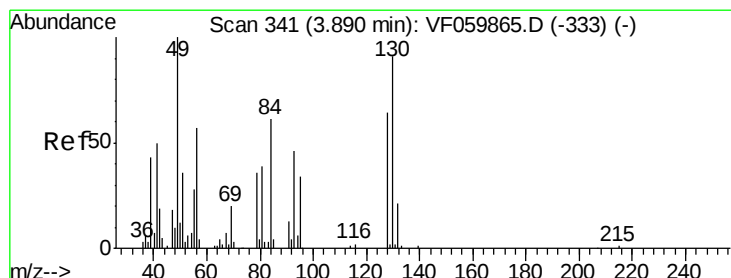
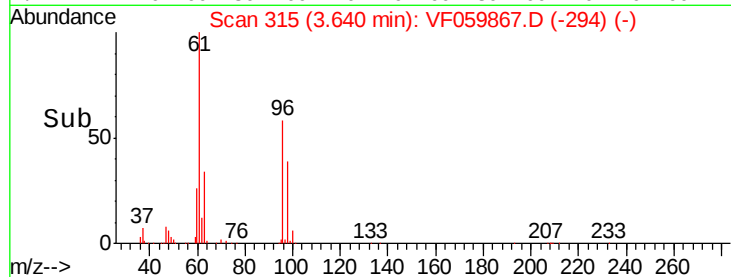
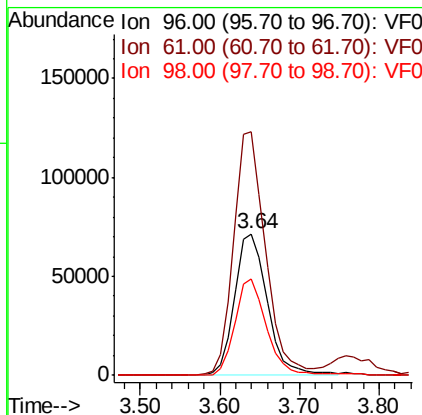
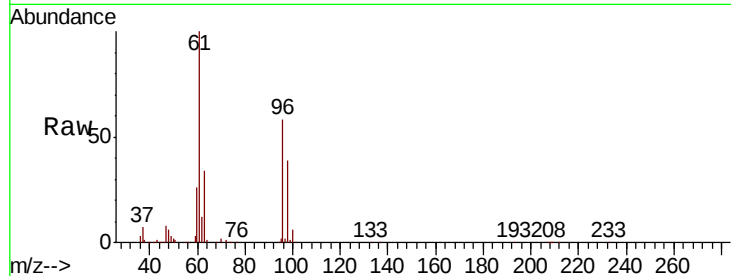
cis-1,2-Dichloroethene
Concen: 103.60 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	204555		
61	171.9		0.0	320.8
98	67.7		0.0	117.6

Manual Integrations
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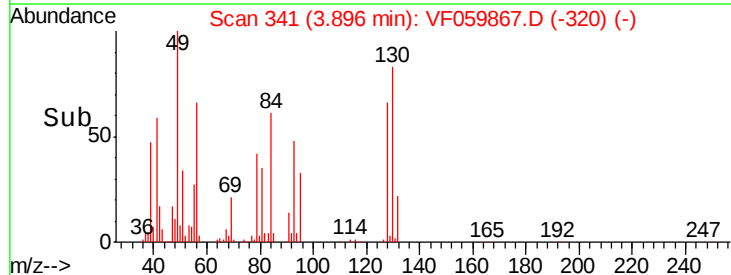
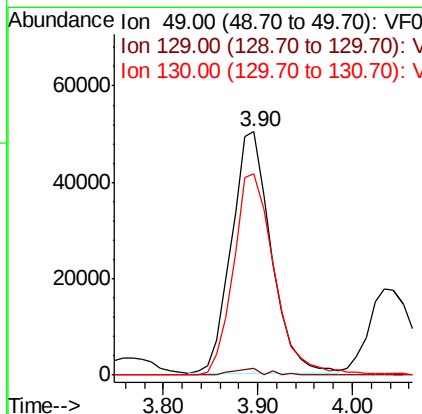
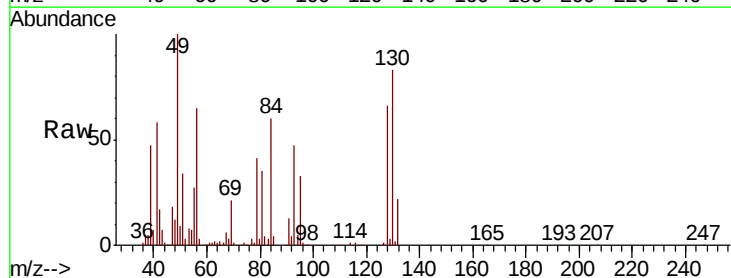
apatel
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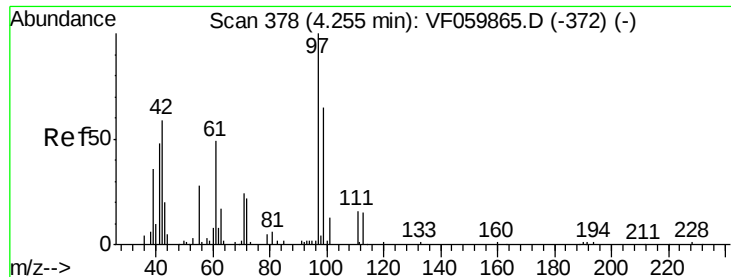


#28

Bromochloromethane
Concen: 99.45 ug/l
RT: 3.90 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	144638		
129	2.7		0.0	4.6
130	82.6		73.8	110.8





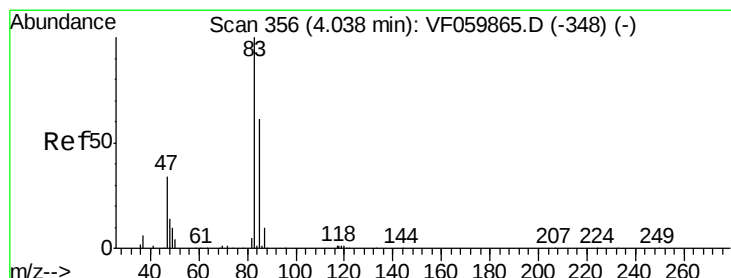
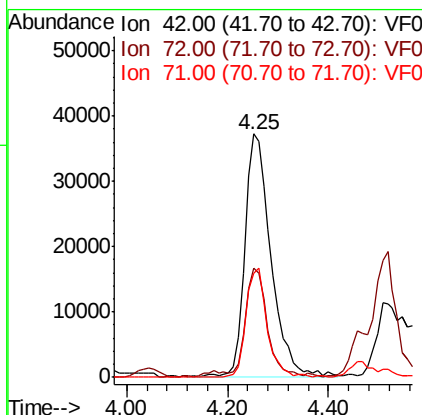
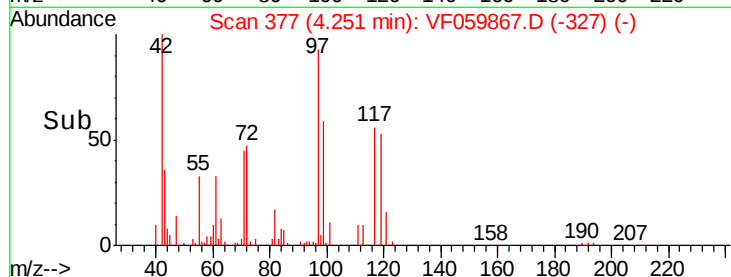
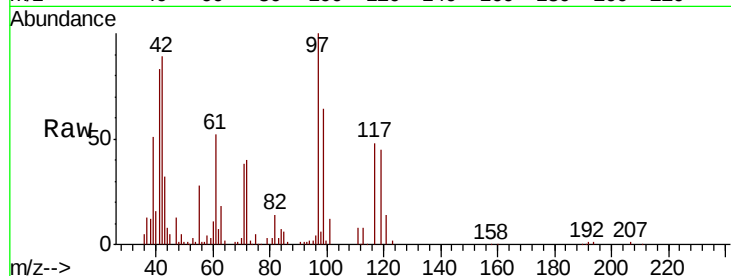
#29
Tetrahydrofuran
Concen: 489.18 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	29.3	43.9
71	36.1	30.0	45.0

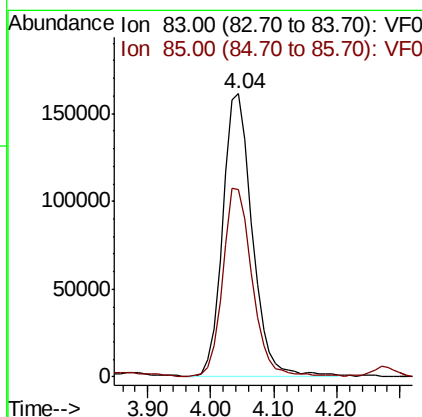
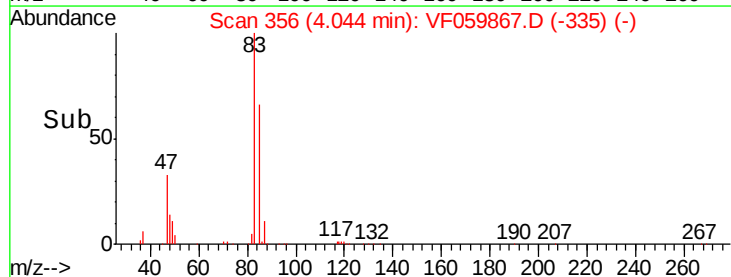
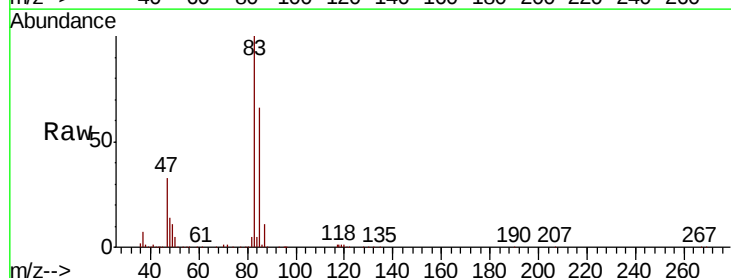
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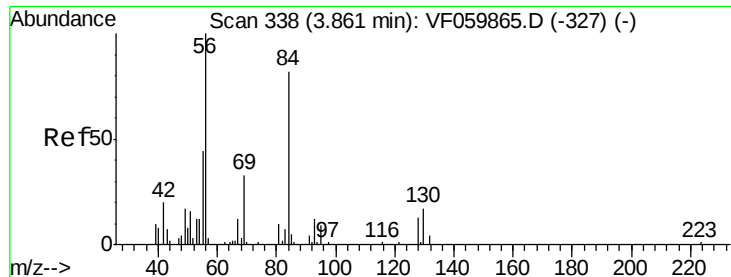
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#30
Chloroform
Concen: 99.82 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.3	73.9





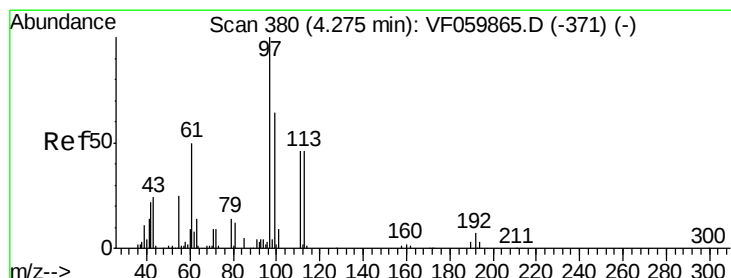
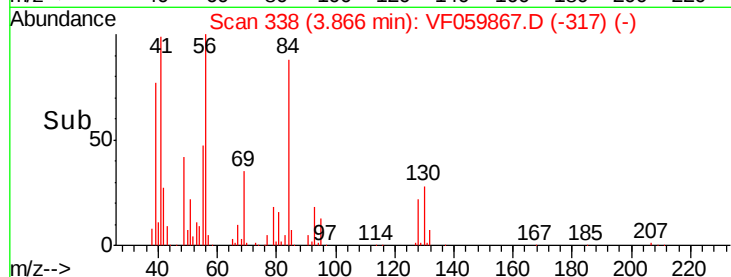
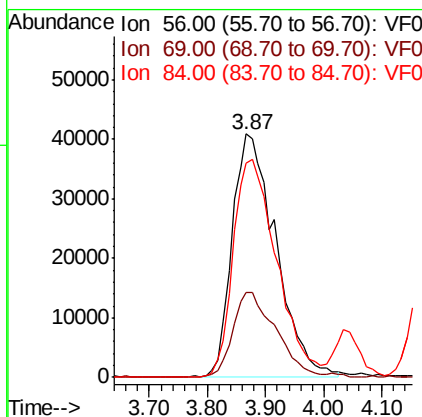
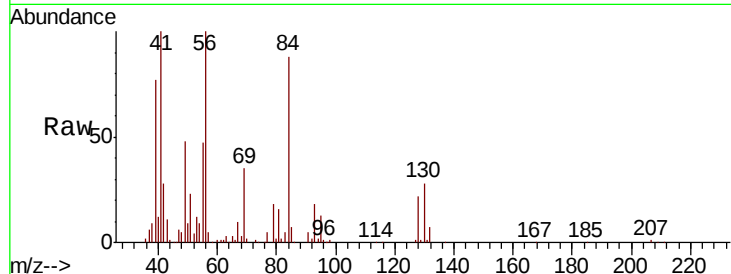
#31
Cyclohexane
Concen: 105.22 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	26.7	40.1
84	87.8	65.9	98.9

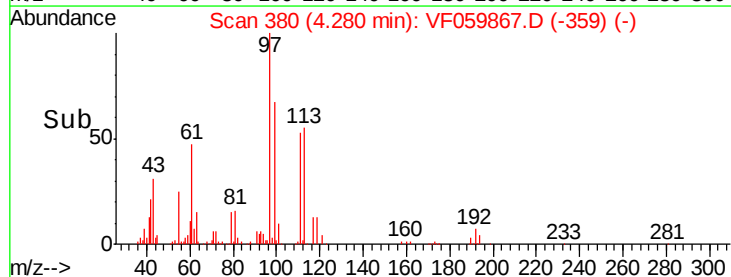
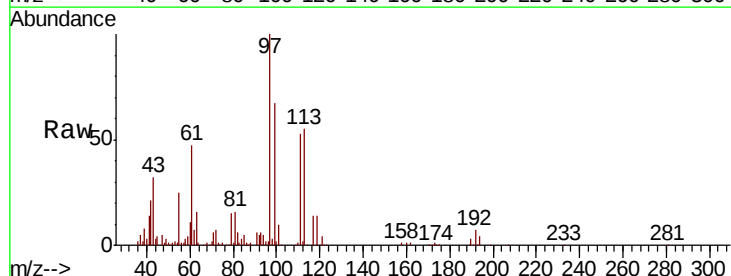
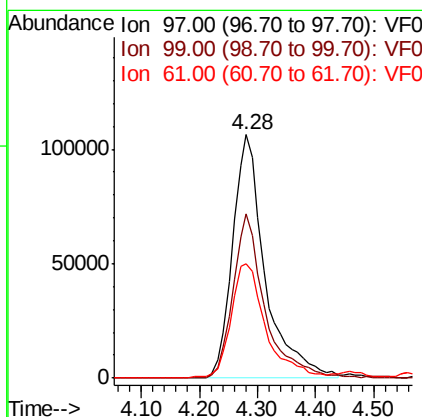
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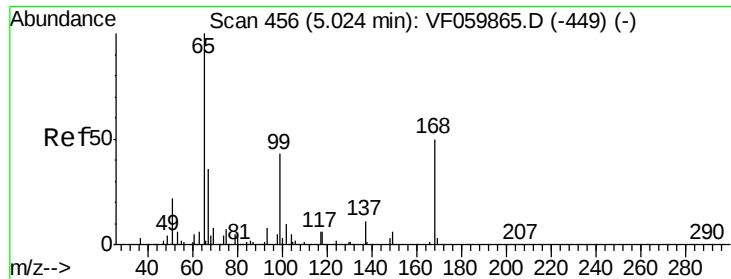
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#32
1,1,1-Trichloroethane
Concen: 100.71 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.3	51.4	77.2
61	47.0	40.8	61.2





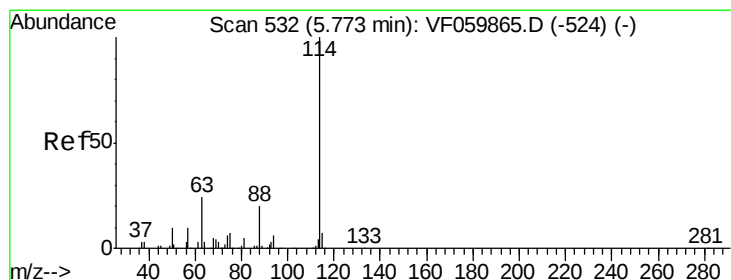
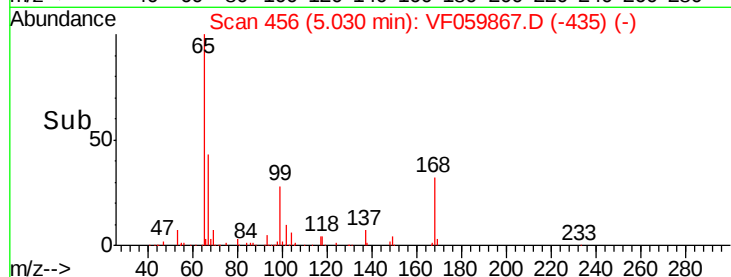
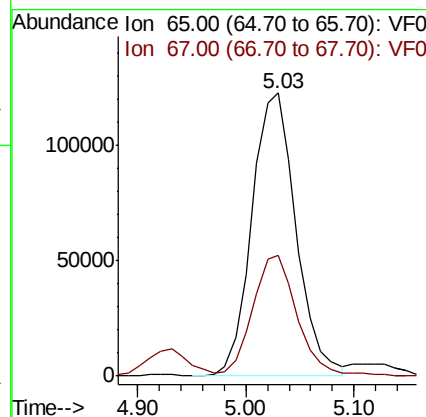
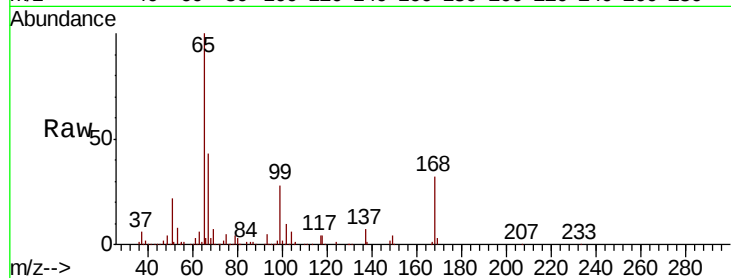
#33
 1,2-Dichloroethane-d4
 Concen: 96.17 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	347827		
67	42.7	0.0	77.2	

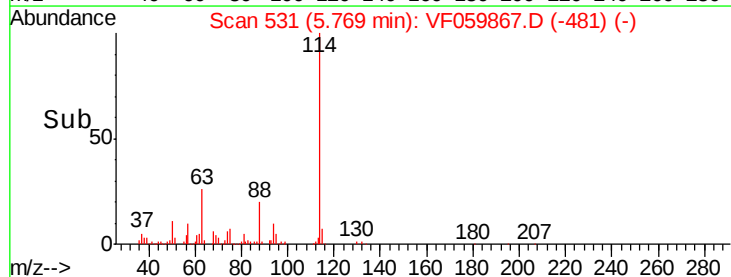
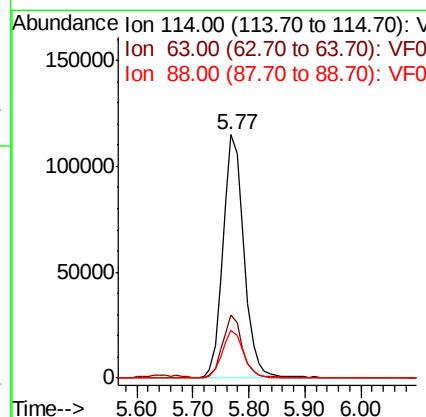
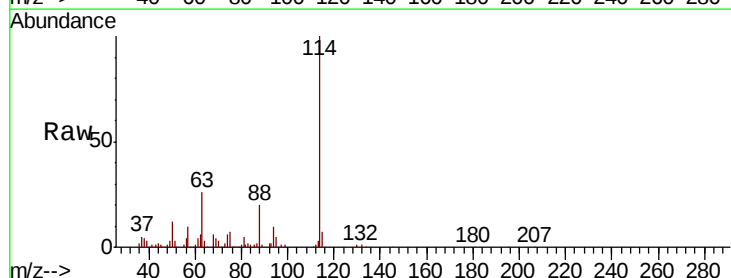
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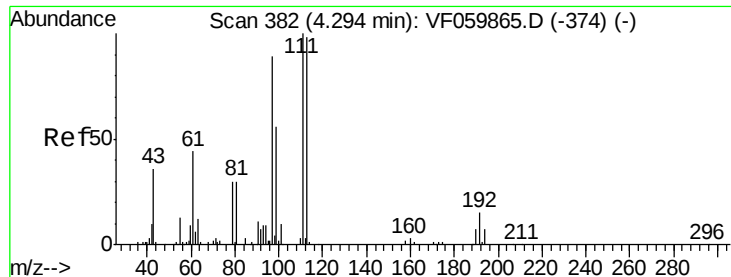
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302673		
63	26.1	0.0	48.0	
88	19.7	0.0	39.4	





#35

Dibromofluoromethane

Concen: 86.74 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059867.D

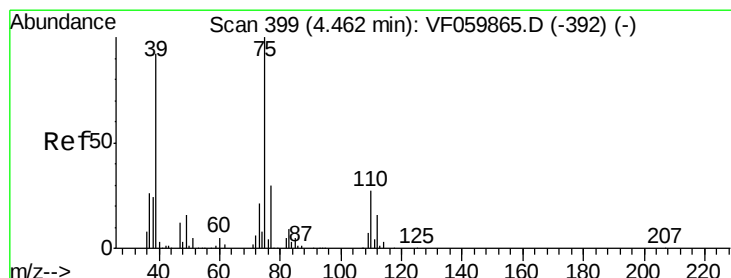
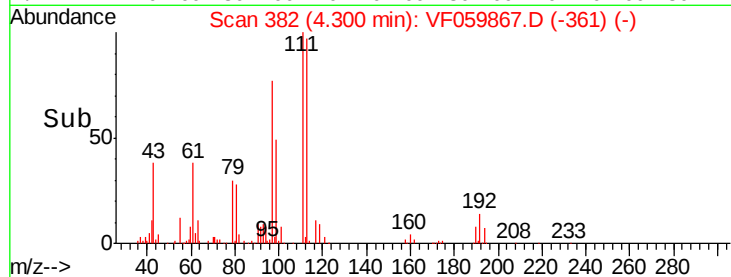
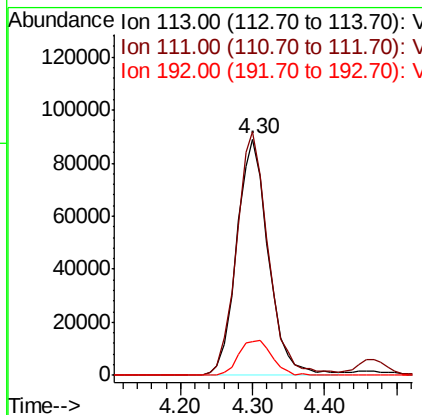
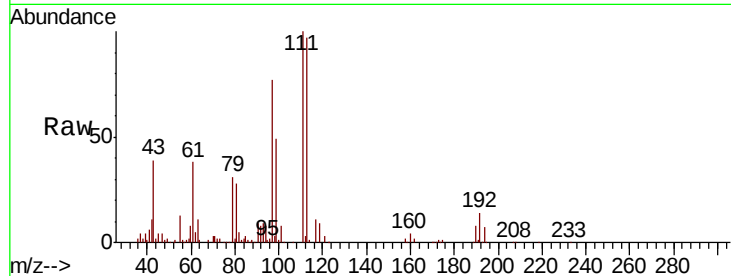
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:	113	Resp:	274614
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	14.3	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 93.27 ug/l

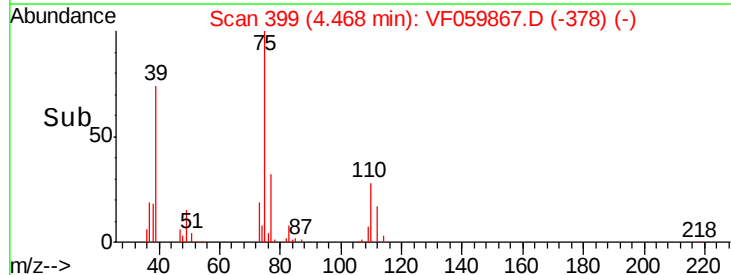
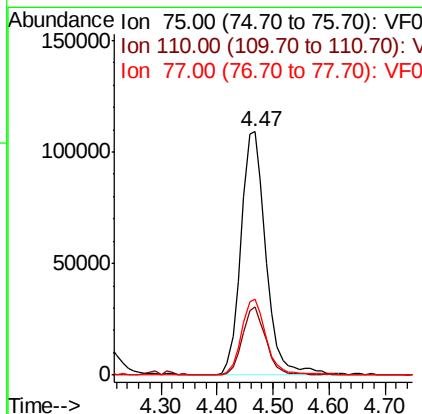
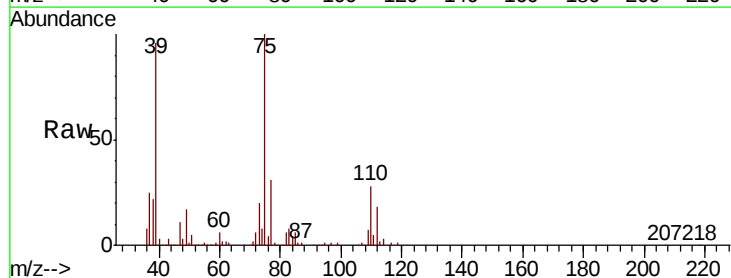
RT: 4.47 min Scan# 399

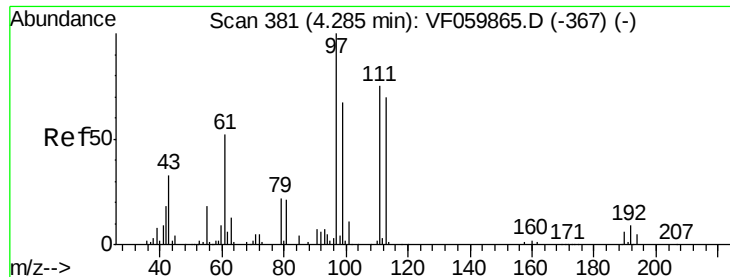
Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion:	75	Resp:	335879
Ion	Ratio	Lower	Upper
75	100		
110	27.9	13.6	40.7
77	31.2	23.7	35.5





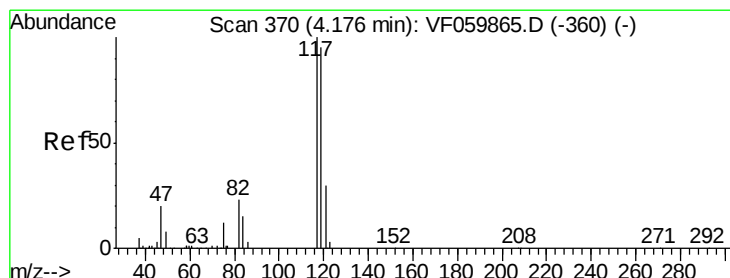
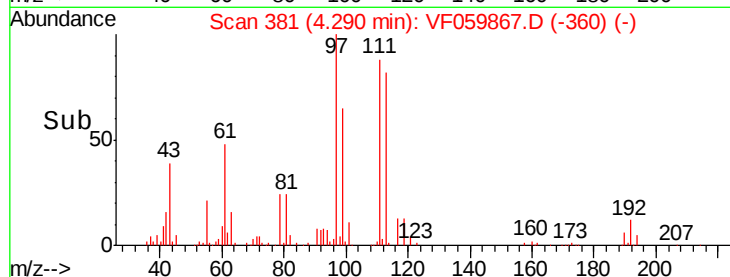
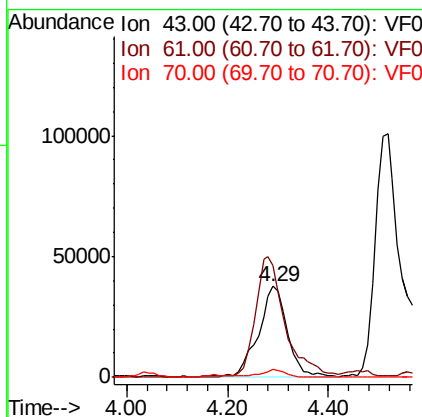
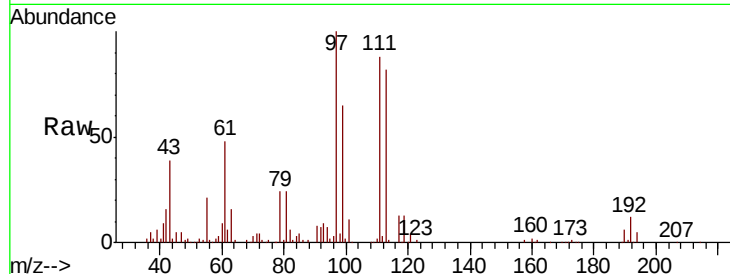
#37
Ethyl Acetate
Concen: 84.57 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	123.3	123.7	185.5#
70	8.4	7.8	11.8

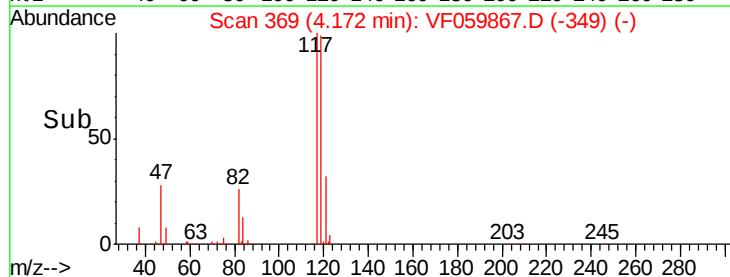
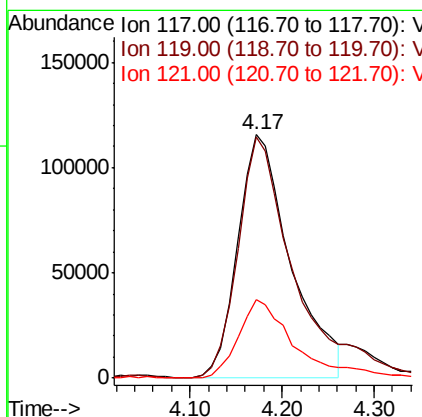
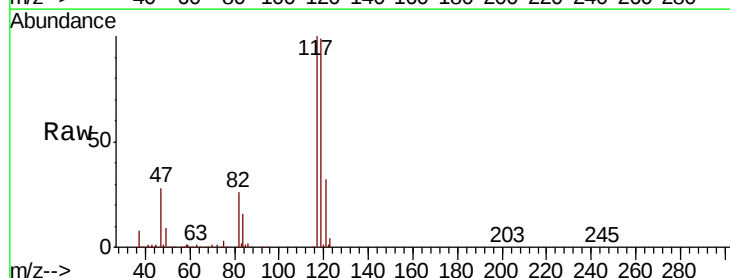
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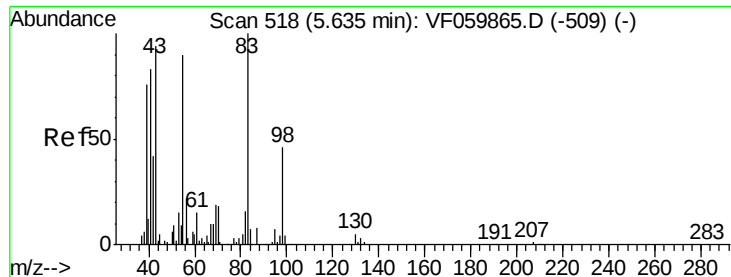
apatel
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#38
Carbon Tetrachloride
Concen: 94.07 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.5	114.7
121	32.0	23.8	35.8





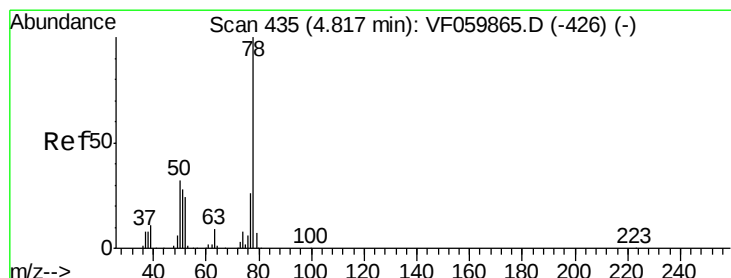
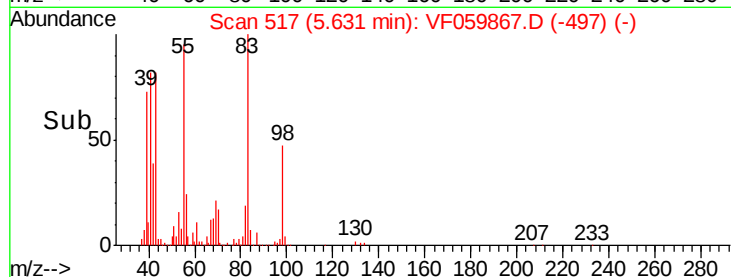
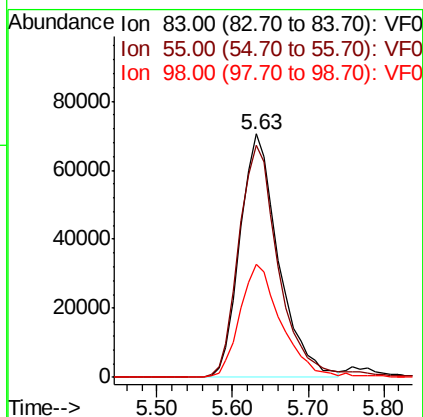
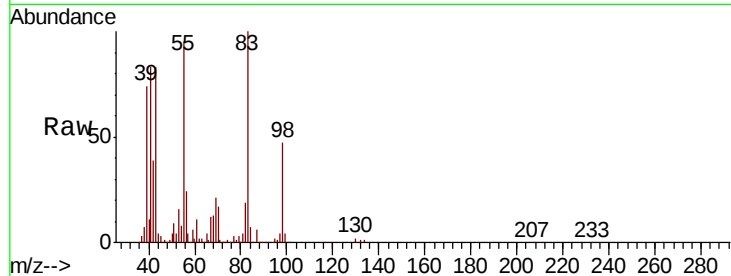
#39
Methvlcvclohexane
Concen: 92.02 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.1	72.0	108.0
98	46.6	36.6	54.8

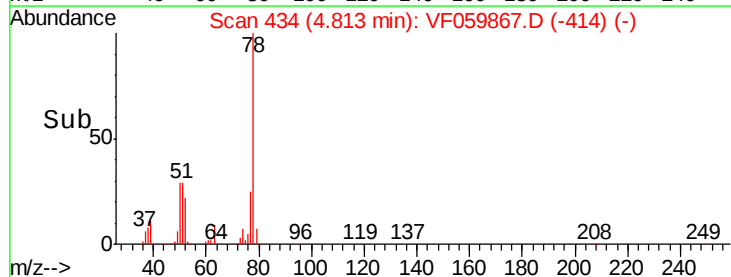
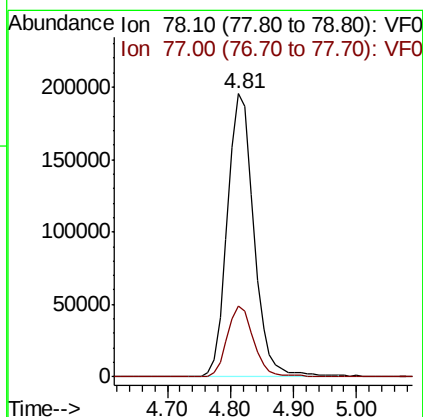
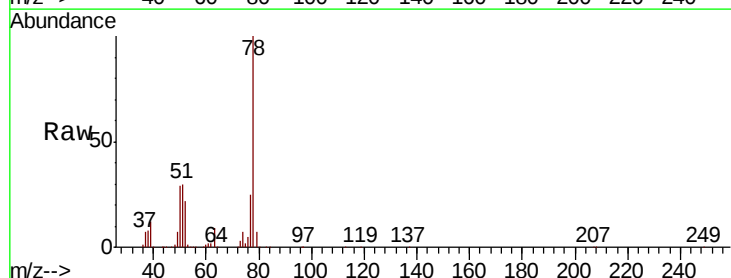
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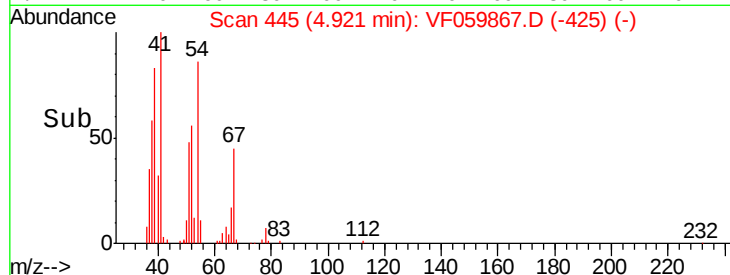
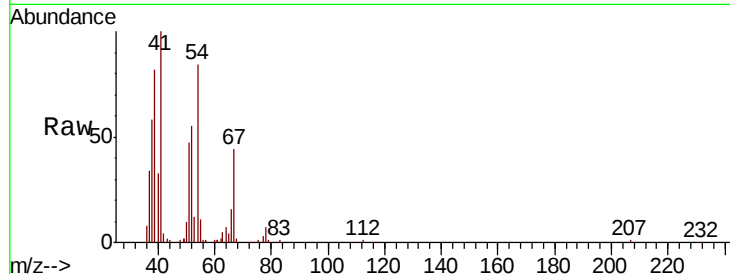
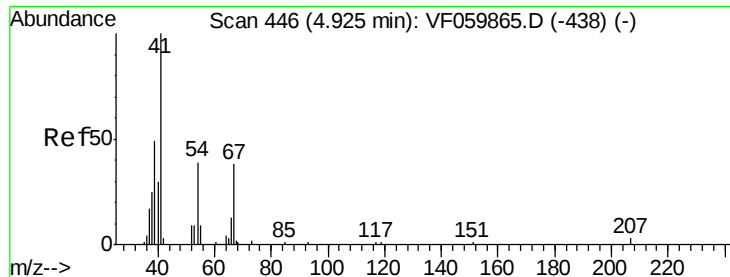
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#40
Benzene
Concen: 91.18 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	20.7	31.1





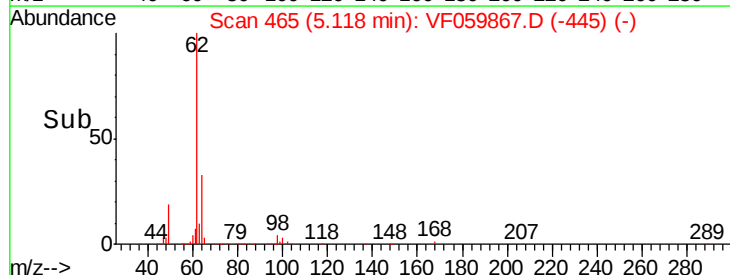
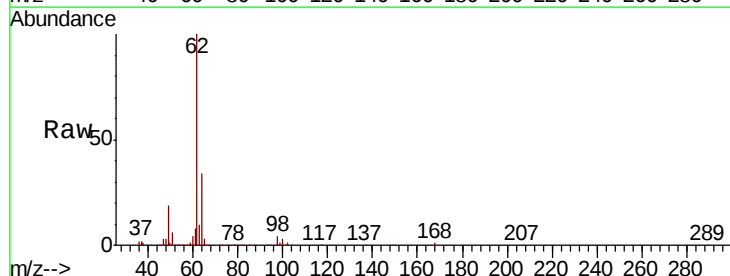
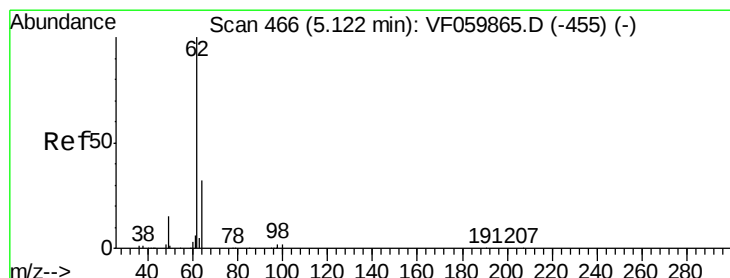
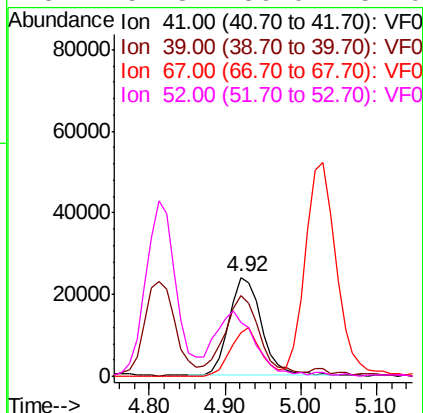
#41
Methacrylonitrile
Concen: 83.01 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	82.1	55.1	82.7	
67	44.0	30.3	45.5	
52	54.8	36.0	54.0#	

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

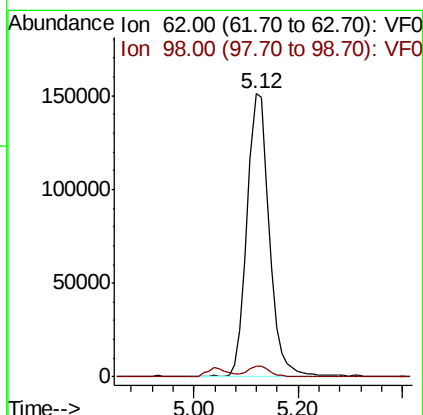
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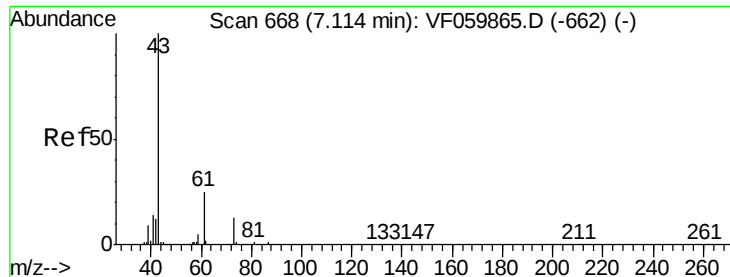
apatel
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#42
1,2-Dichloroethane
Concen: 97.55 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	3.9	0.0	7.6	





#43

Isopropyl Acetate

Concen: 94.43 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

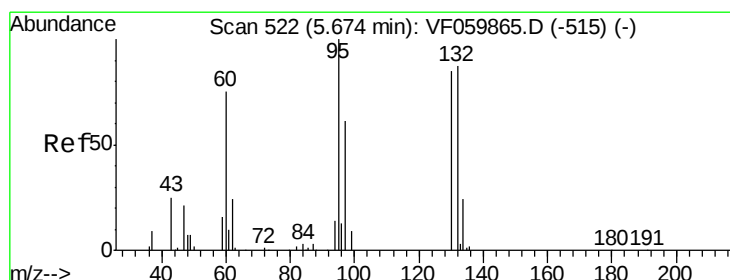
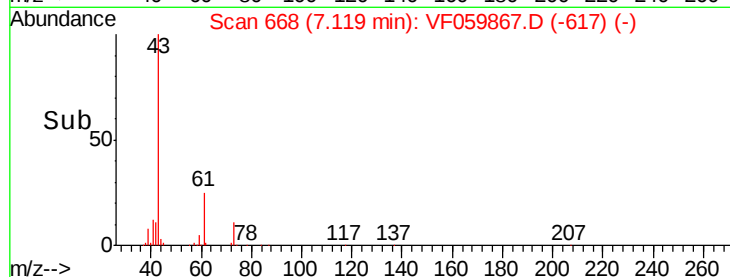
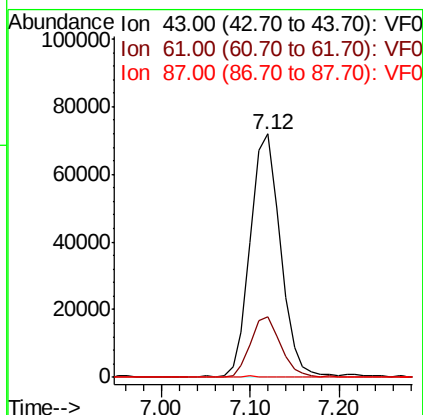
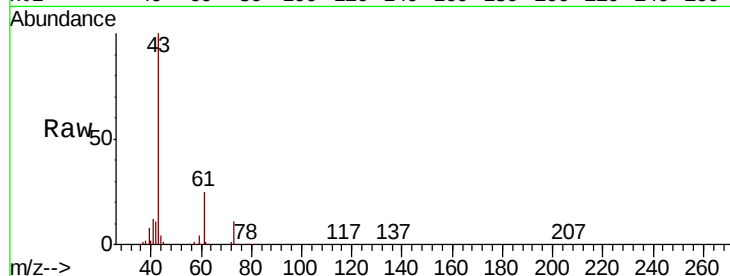
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	169597
Ion Ratio		Lower	Upper
43	100		
61	25.0	20.3	30.5
87	0.4	0.7	1.1#

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#44

Trichloroethene

Concen: 87.73 ug/l

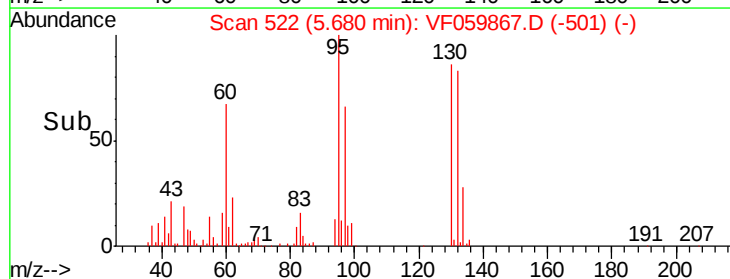
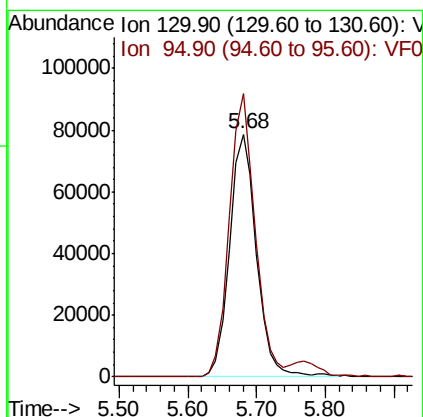
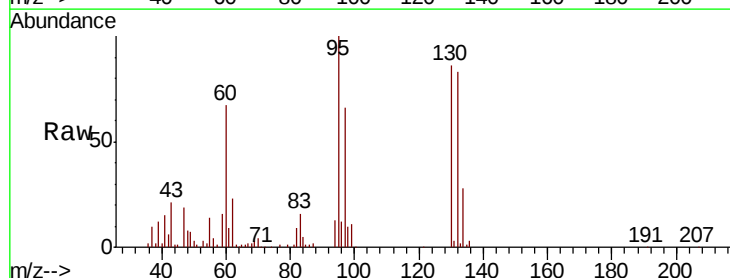
RT: 5.68 min Scan# 522

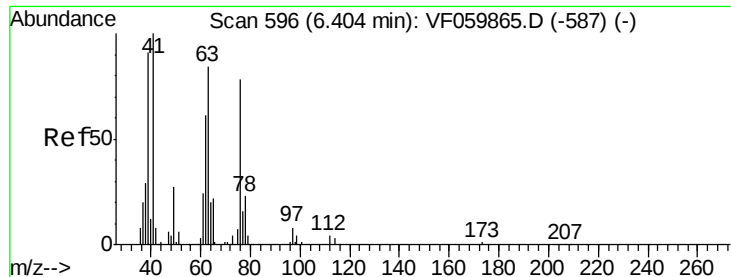
Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion:	130	Resp:	212570
Ion Ratio		Lower	Upper
130	100		
95	116.7	0.0	236.8





#45

1,2-Dichloropropane

Concen: 97.21 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tot Ion: 63 Resp: 159602

Ion Ratio Lower Upper

63 100

65 30.0 20.4 30.6

Instrument :

MSVOA_F

ClientSampleId :

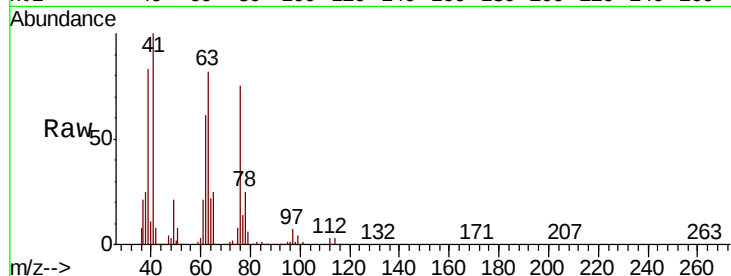
VSTDIC100

Manual Integrations

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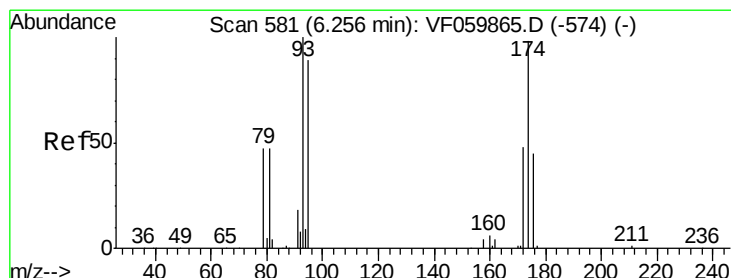
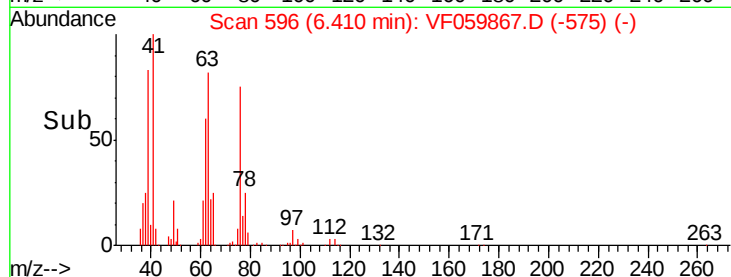
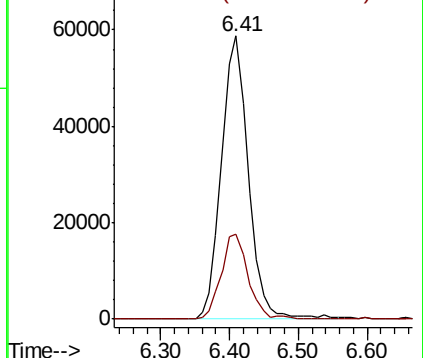
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 97.33 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

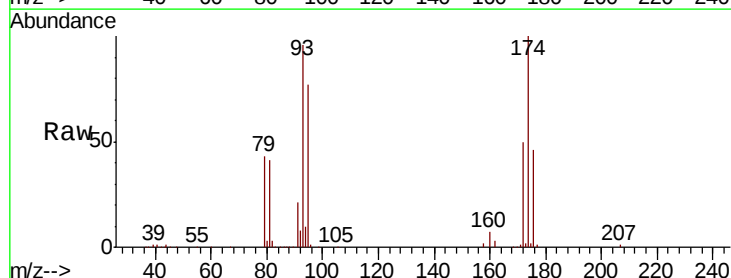
Tgt Ion: 93 Resp: 152164

Ion Ratio Lower Upper

93 100

95 80.1 71.4 107.2

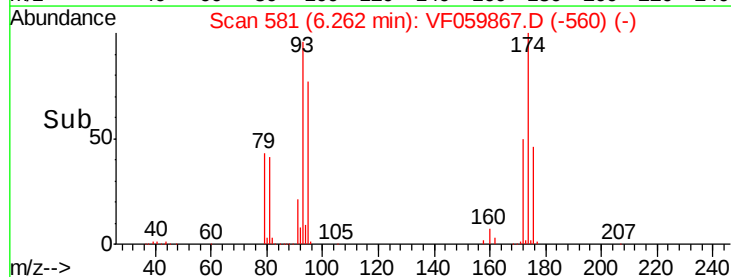
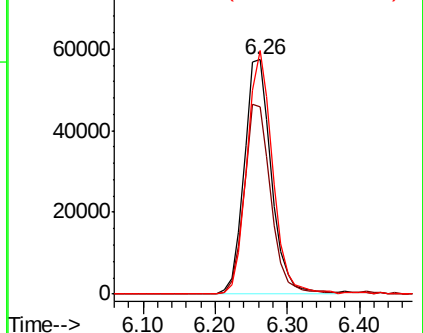
174 103.9 78.1 117.1

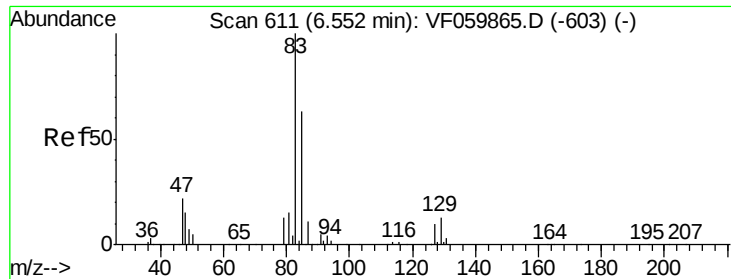


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 97.41 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

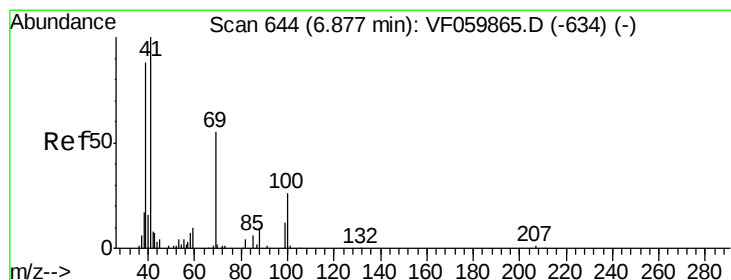
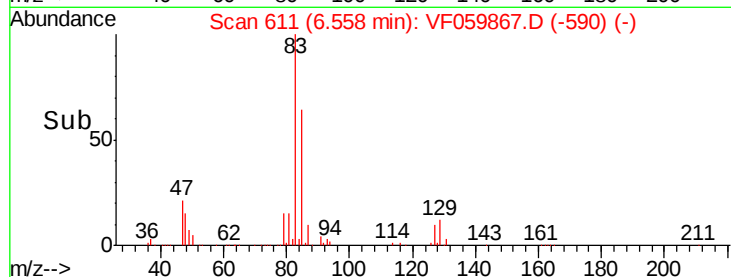
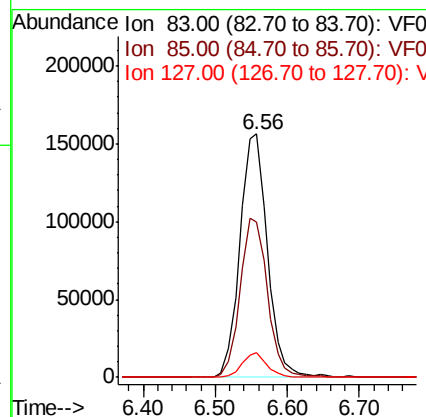
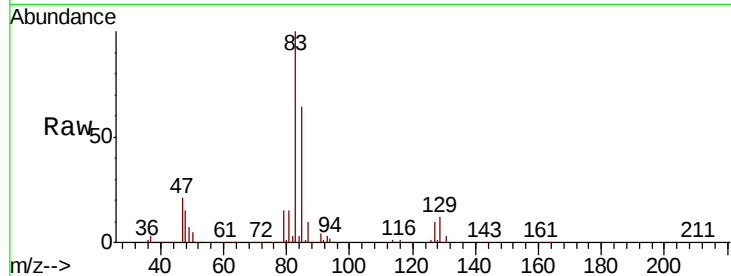
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	417511
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.7	76.1
127	9.9	8.0	12.0

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#48

Methyl methacrylate

Concen: 98.49 ug/l

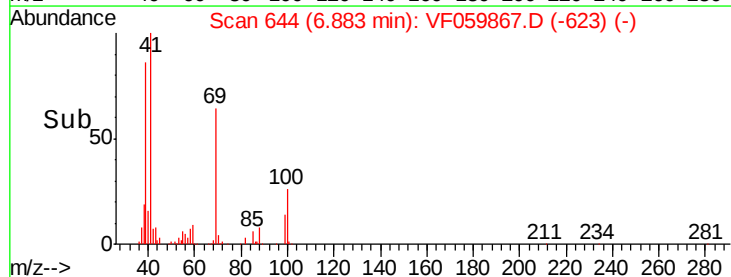
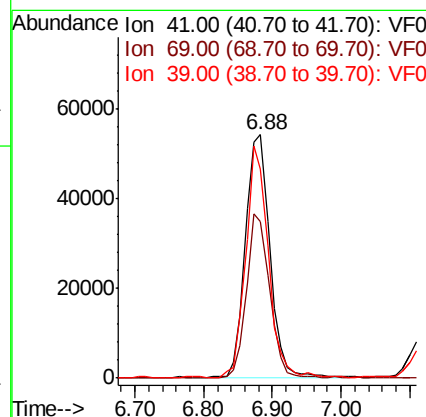
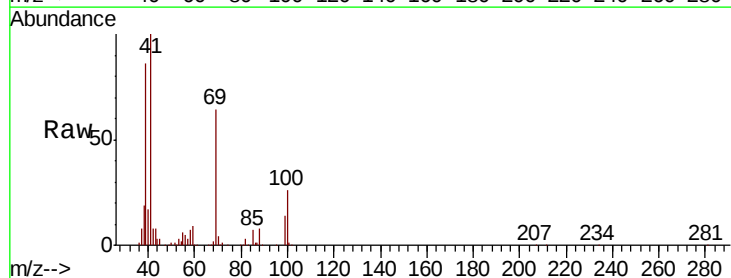
RT: 6.88 min Scan# 644

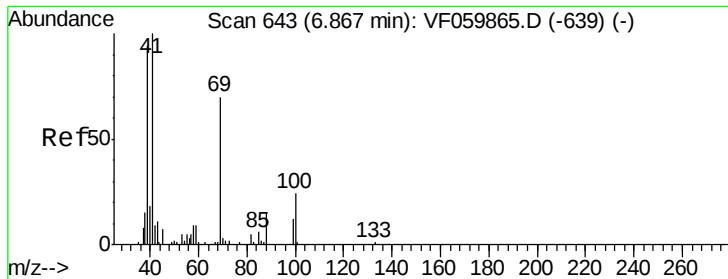
Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion:	41	Resp:	133912
Ion Ratio	Lower	Upper	
41	100		
69	64.2	44.4	66.6
39	85.9	70.6	106.0





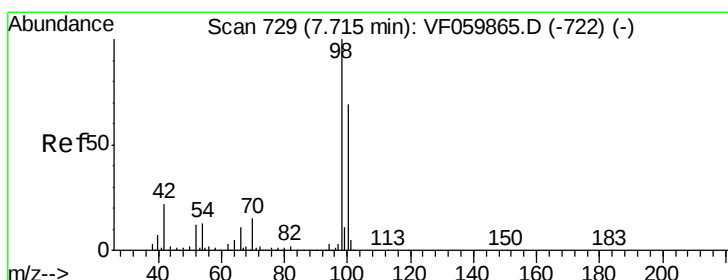
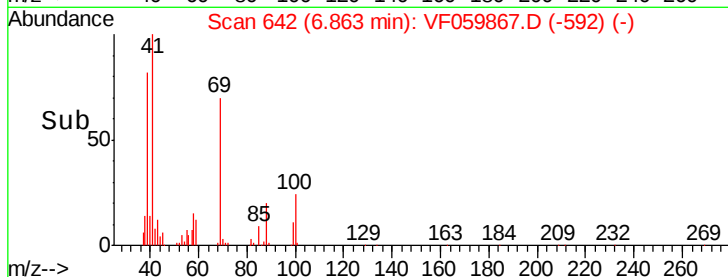
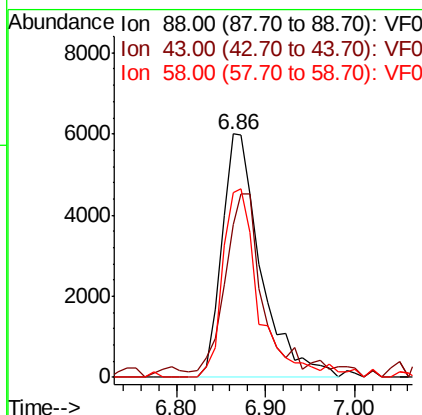
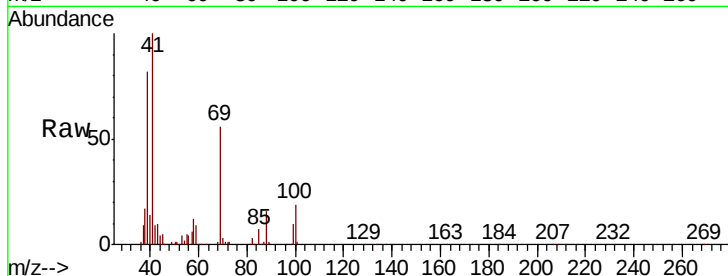
#49
1,4-Dioxane
Concen: 1749.02 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	62.9	58.3	87.5	
58	75.7	49.4	74.2#	

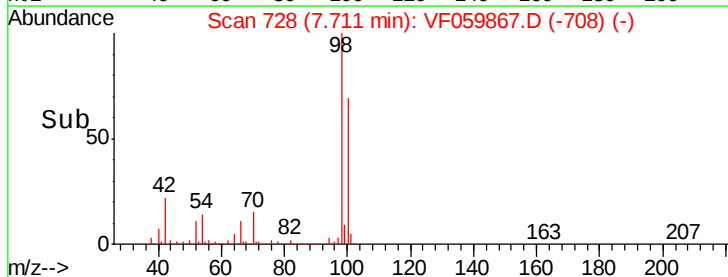
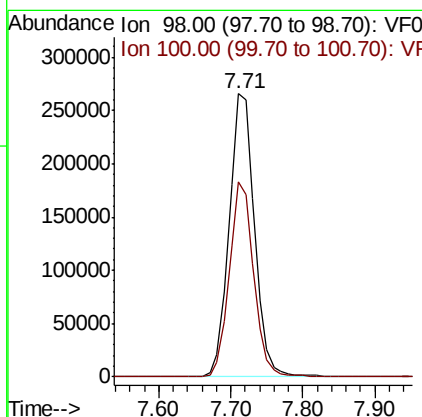
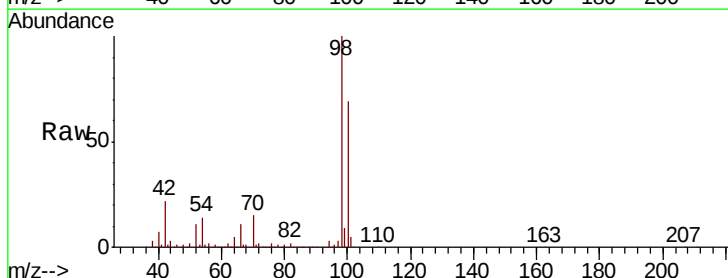
Manual Integrations
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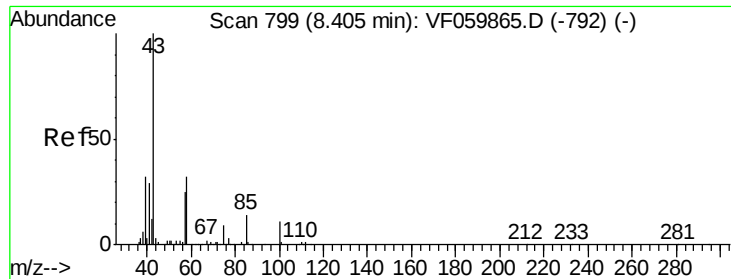
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#50
Toluene-d8
Concen: 89.12 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	68.7	55.0	82.6	





#51

4-Methyl-2-Pentanone

Concen: 556.61 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 795010

Ion Ratio Lower Upper

43 100

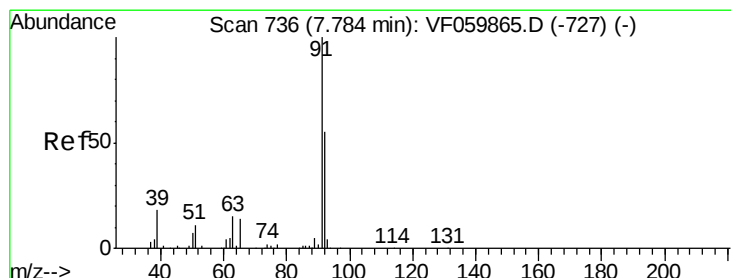
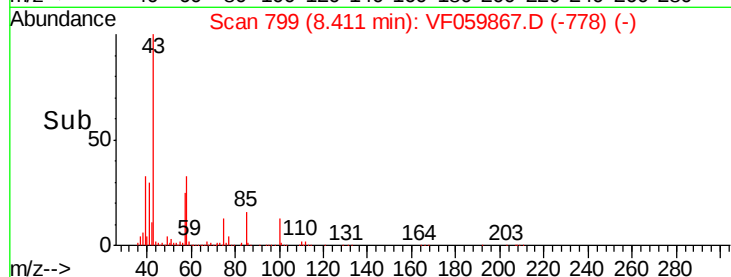
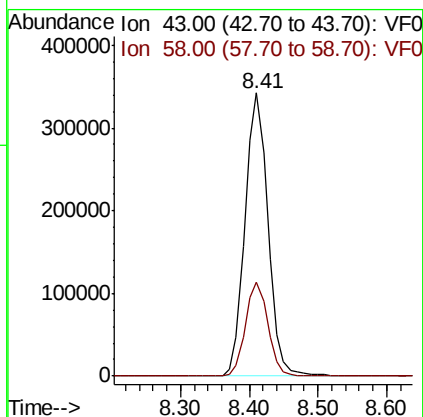
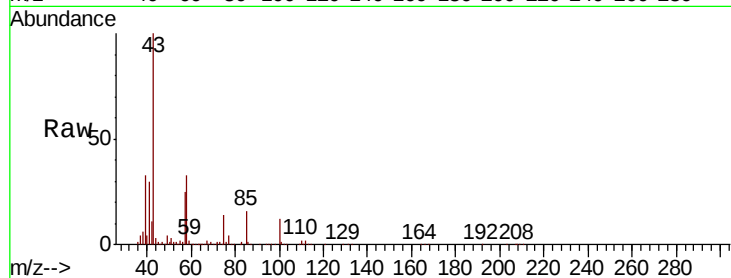
58 33.3 25.4 38.0

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#52

Toluene

Concen: 94.26 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059867.D

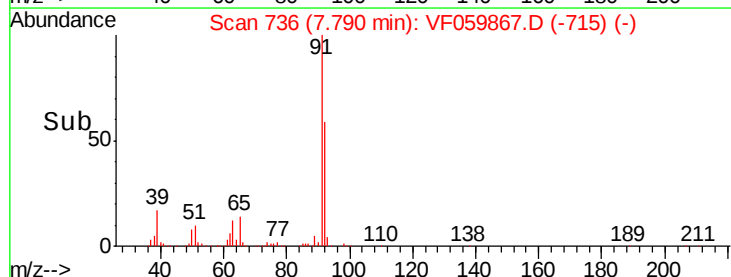
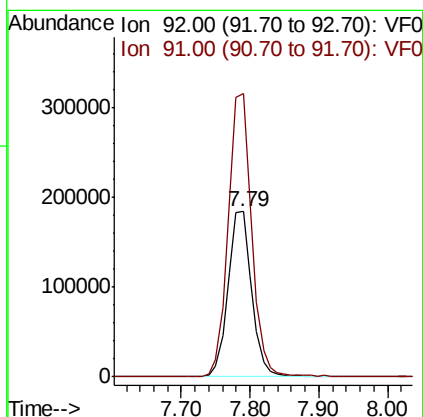
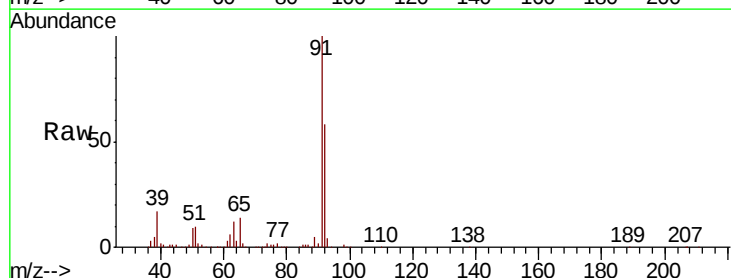
Acq: 4 Aug 2018 5:40

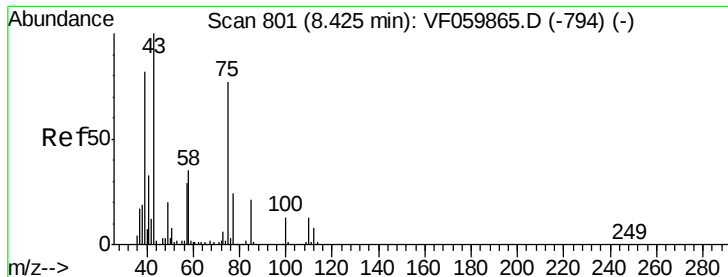
Tgt Ion: 92 Resp: 437188

Ion Ratio Lower Upper

92 100

91 171.1 145.7 218.5





#53

t-1,3-Dichloropropene

Concen: 90.20 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 328577

Ion Ratio Lower Upper

75 100

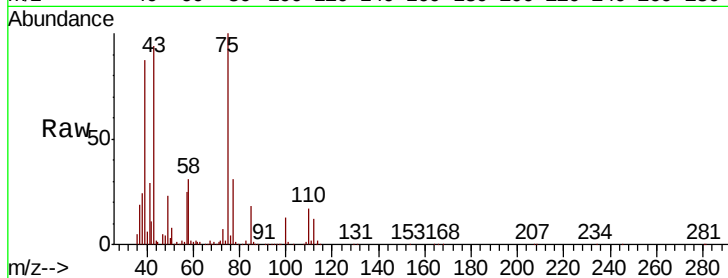
77 30.7 24.5 36.7

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

150000

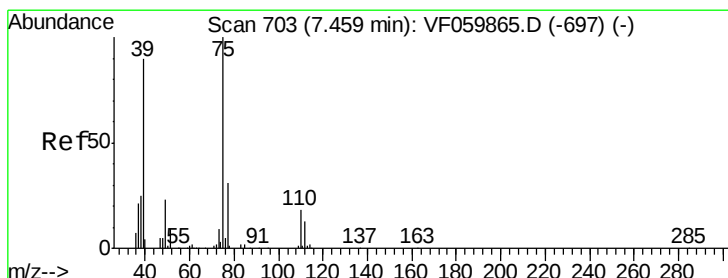
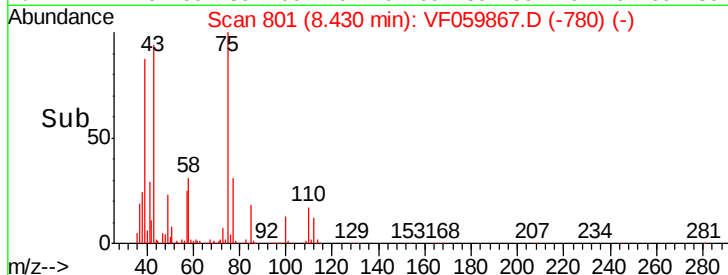
100000

50000

0

8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 99.17 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

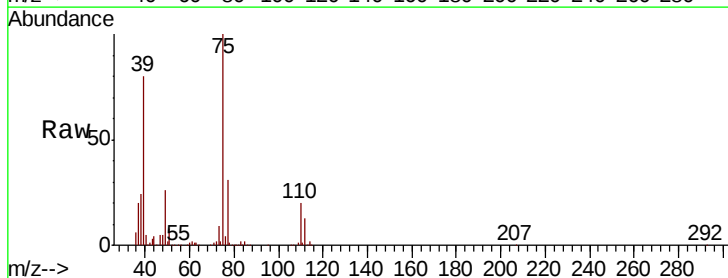
Tgt Ion: 75 Resp: 353750

Ion Ratio Lower Upper

75 100

77 30.8 24.7 37.1

39 79.6 72.0 108.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

200000

150000

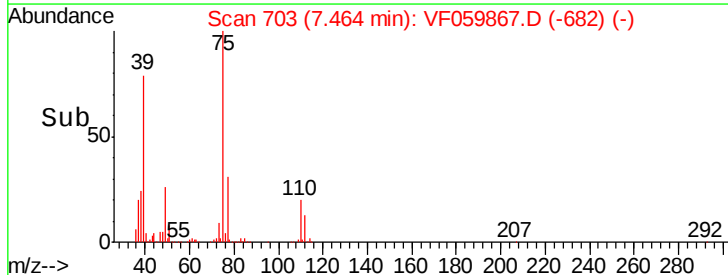
100000

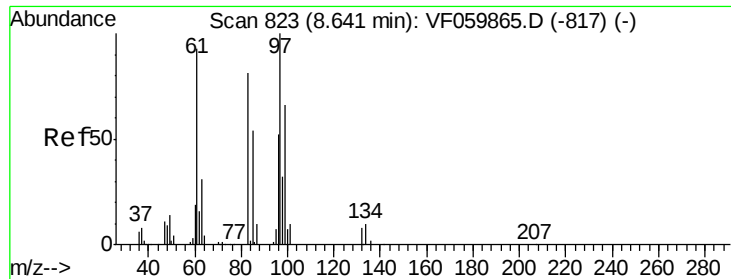
50000

0

7.30 7.40 7.50 7.60 7.70

Time-->





#55

1,1,2-Trichloroethane

Concen: 92.81 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

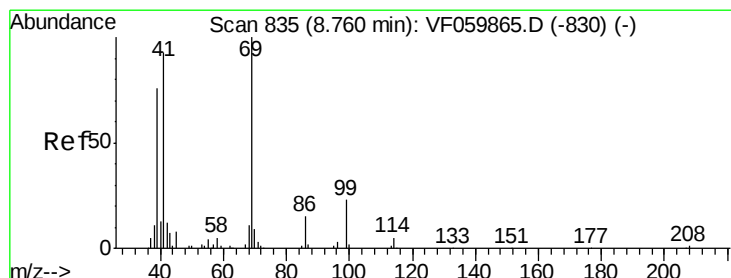
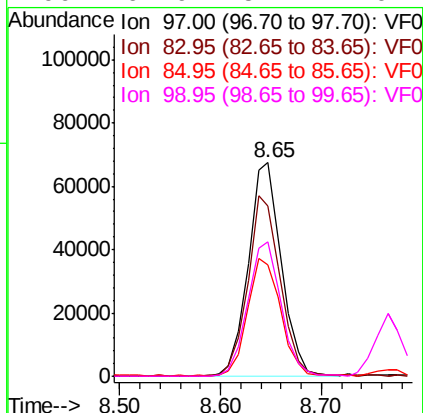
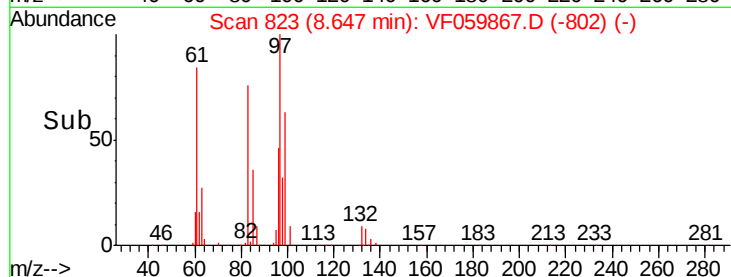
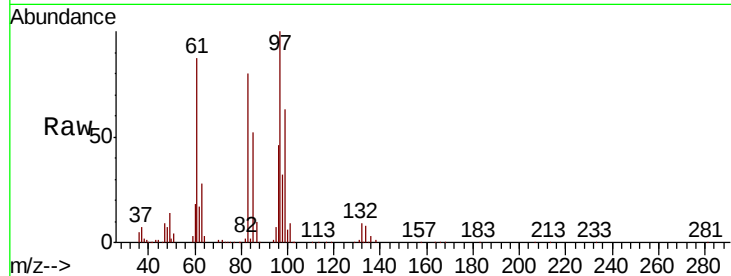
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	154211
Ion	Ratio	Lower	Upper
97	100		
83	80.0	64.4	96.6
85	52.4	43.1	64.7
99	62.9	52.7	79.1

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#56

Ethyl methacrylate

Concen: 104.09 ug/l

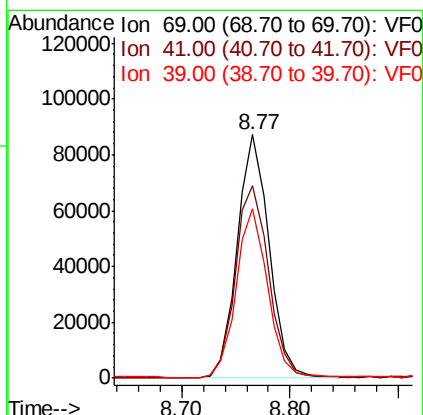
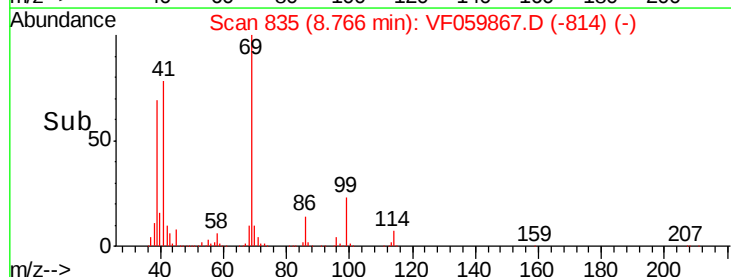
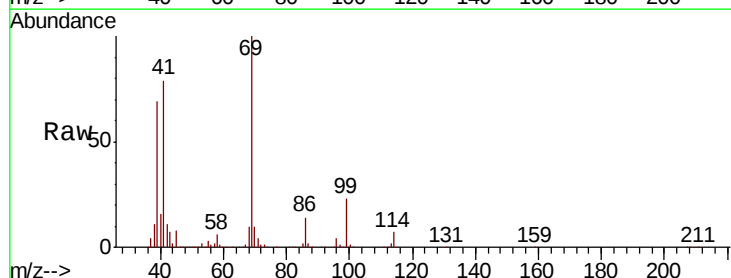
RT: 8.77 min Scan# 835

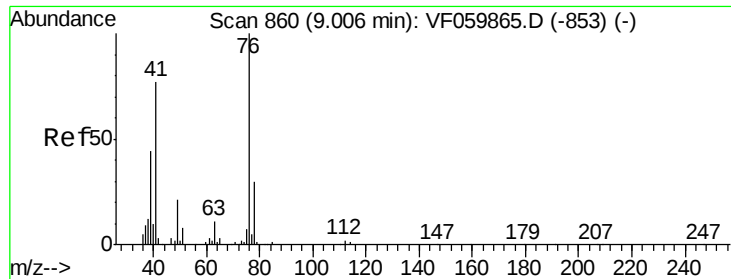
Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion:	69	Resp:	178928
Ion	Ratio	Lower	Upper
69	100		
41	78.8	74.7	112.1
39	69.5	61.1	91.7





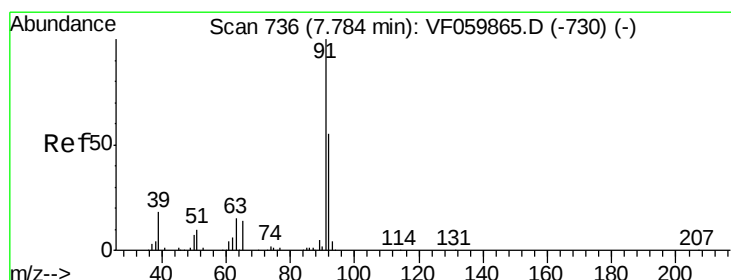
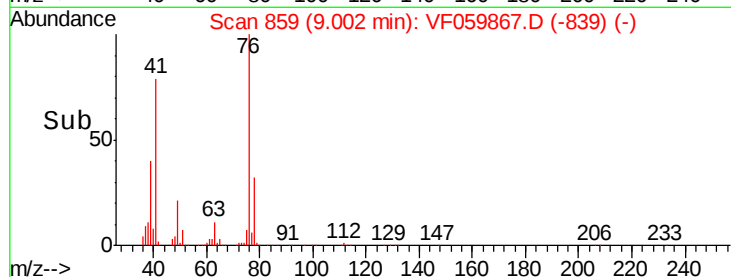
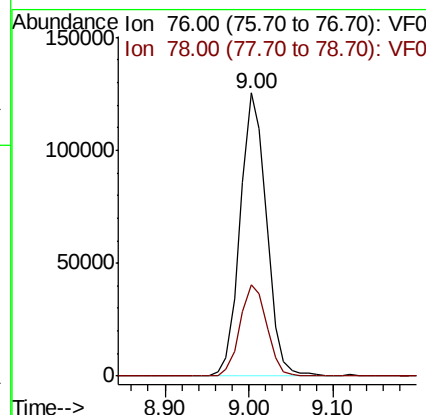
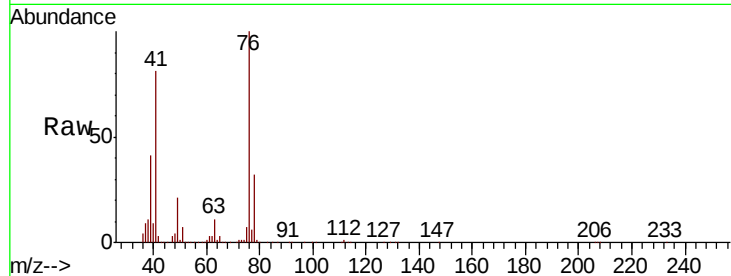
#57
 1,3-Dichloropropane
 Concen: 95.10 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	24.2	36.2

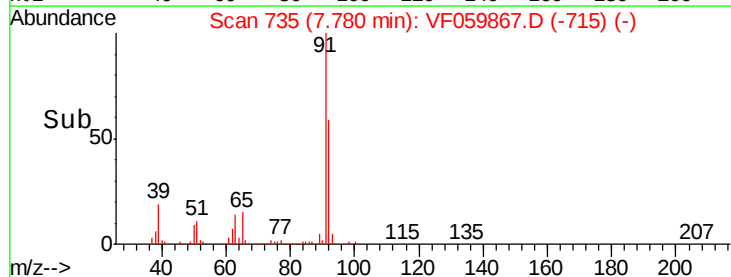
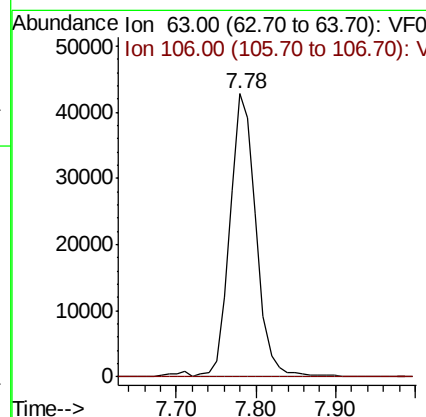
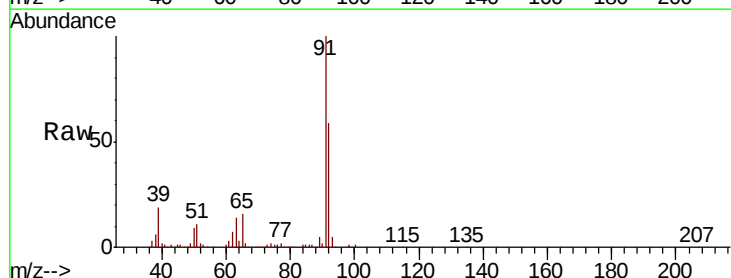
Manual Integrations
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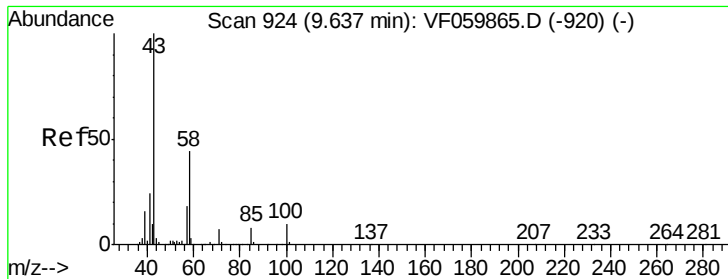
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 472.11 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





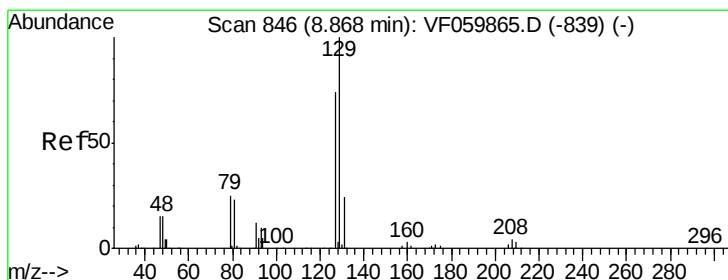
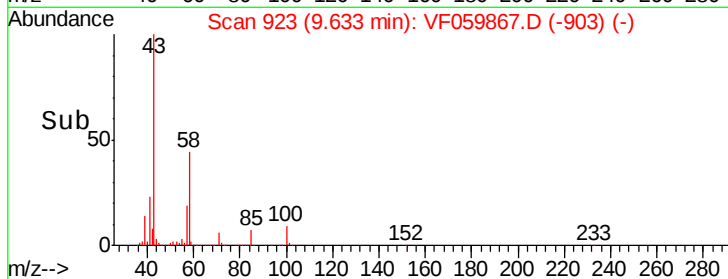
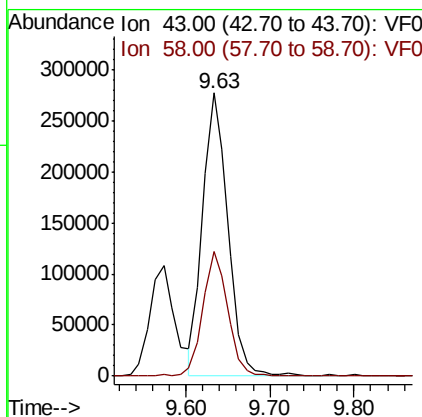
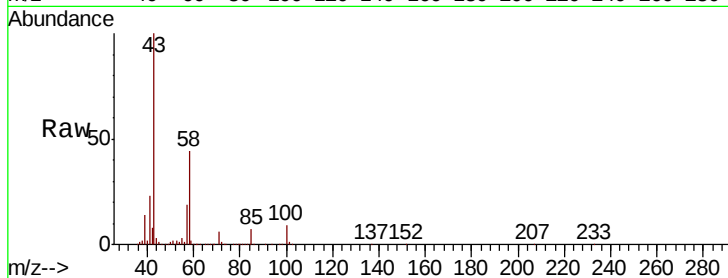
#59
2-Hexanone
Concen: 509.74 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.0	20.8	62.2

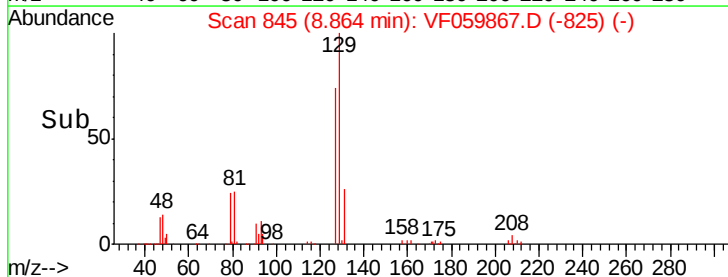
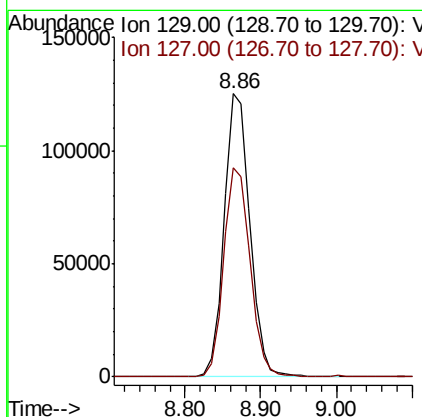
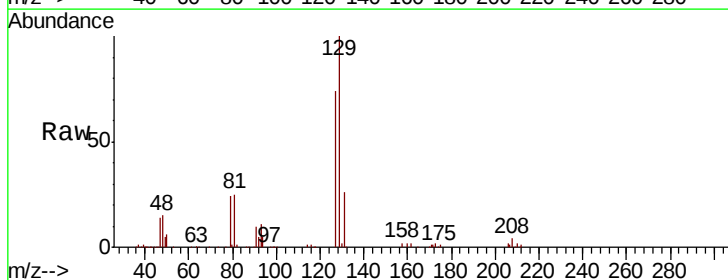
Manual Integrations
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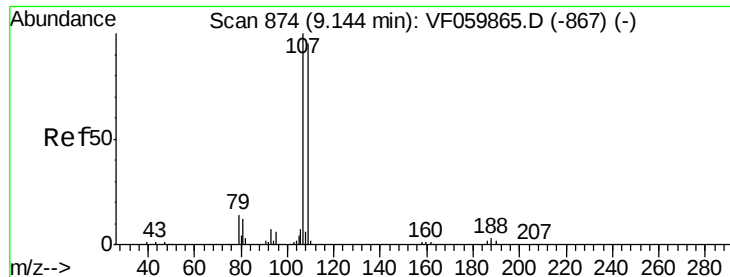
apatel
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#60
Dibromochloromethane
Concen: 98.48 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.0	36.9	110.7





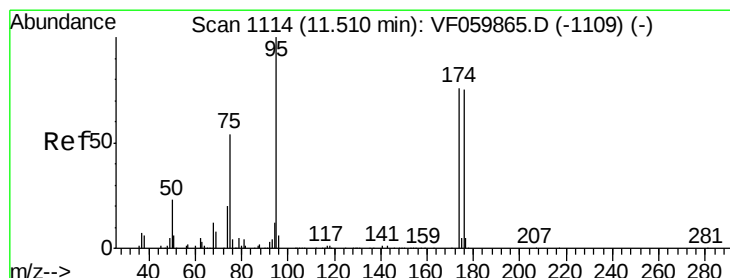
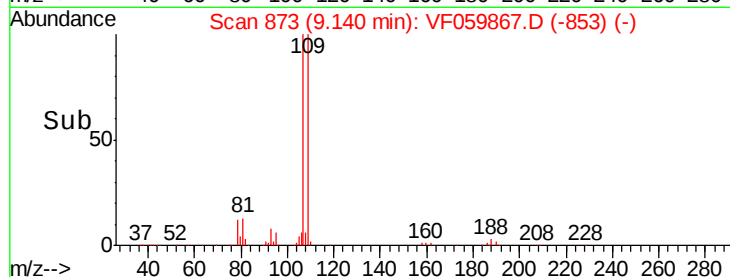
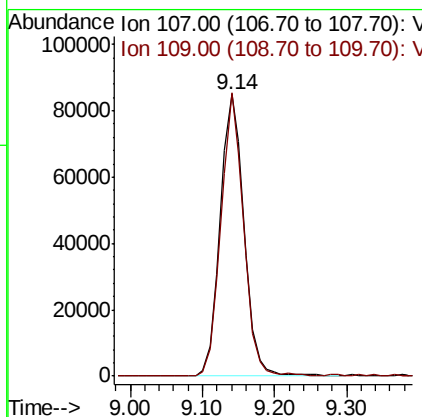
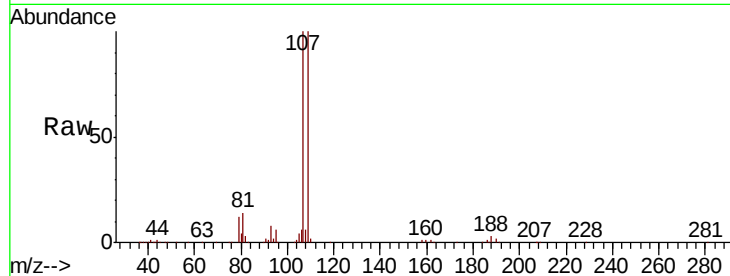
#61
 1,2-Dibromoethane
 Concen: 98.32 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	100.4	75.8	113.8

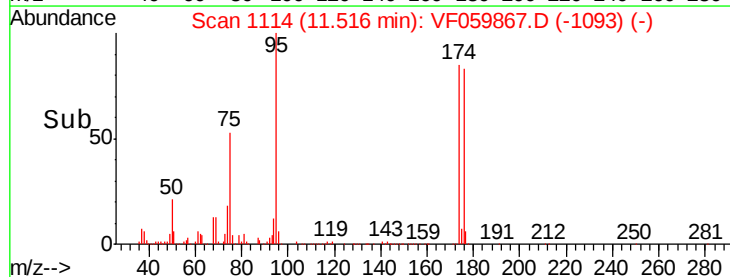
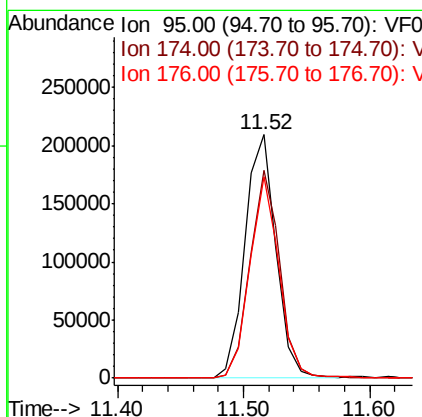
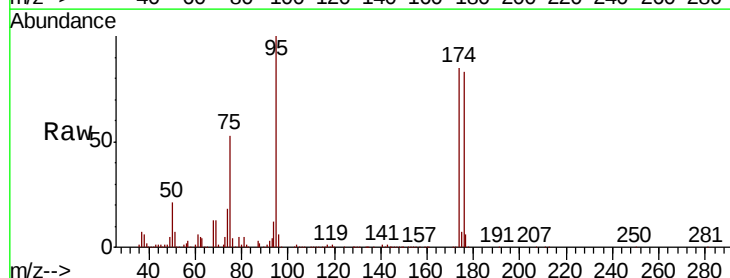
Manual Integrations
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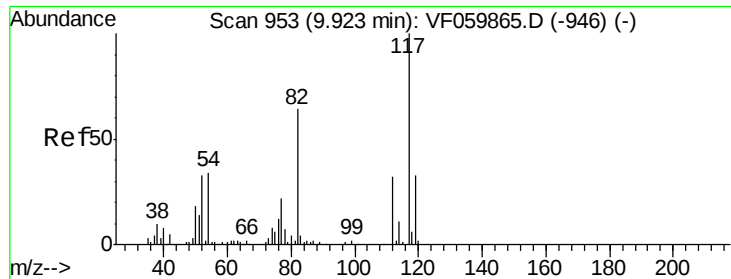
apatel
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#62
 4-Bromofluorobenzene
 Concen: 88.04 ug/l
 RT: 11.52 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	151.6
176	82.8	0.0	149.8





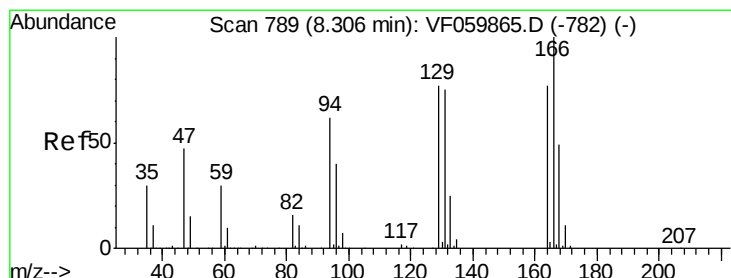
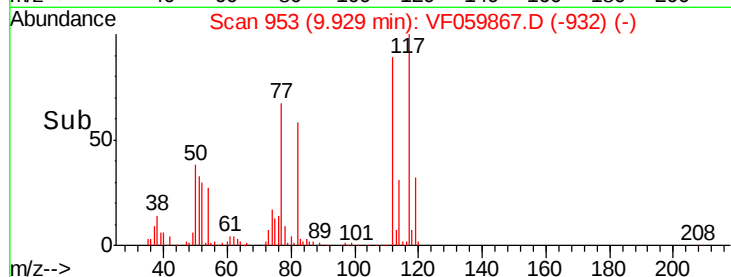
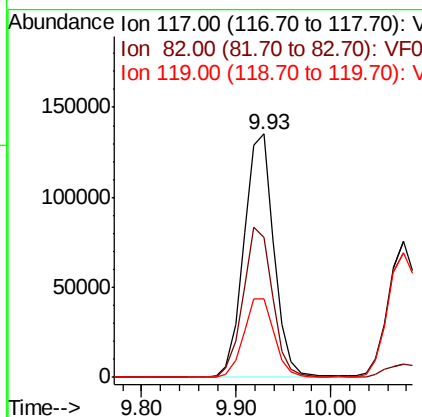
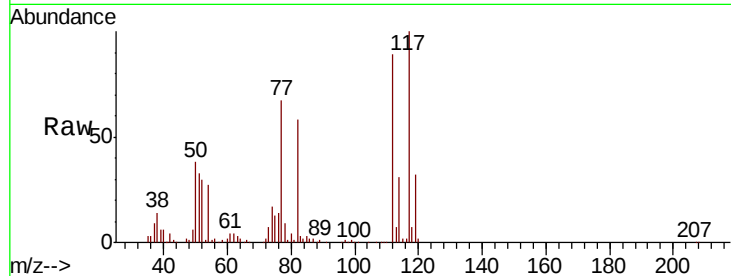
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	296633		
82	57.7		51.3	76.9
119	32.2		26.4	39.6

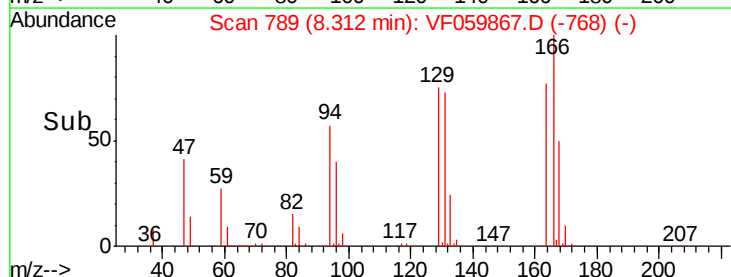
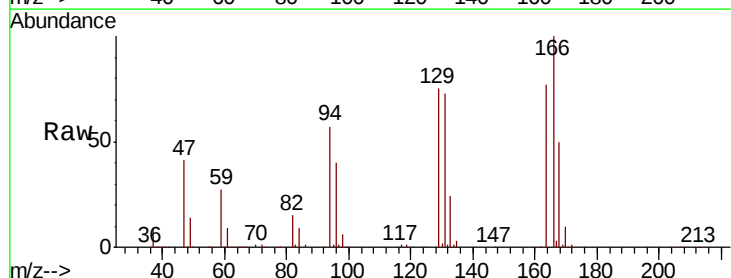
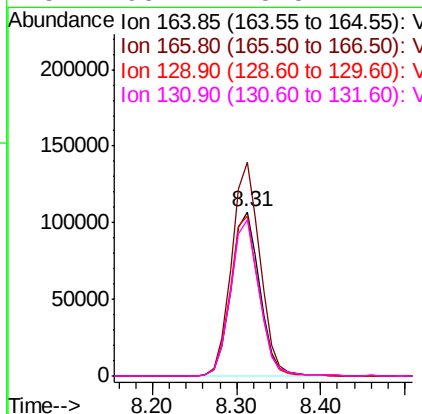
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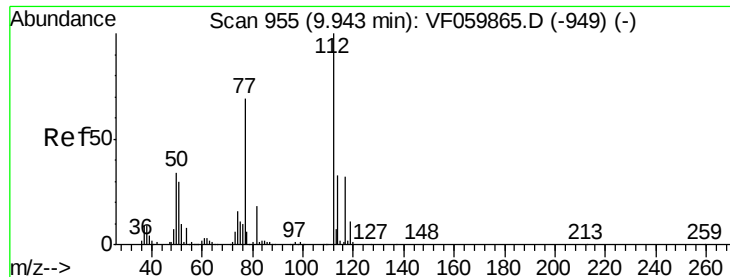
apatel
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#64
Tetrachloroethene
Concen: 104.81 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	253543		
166	130.4		104.4	156.6
129	97.6		80.3	120.5
131	95.7		78.5	117.7





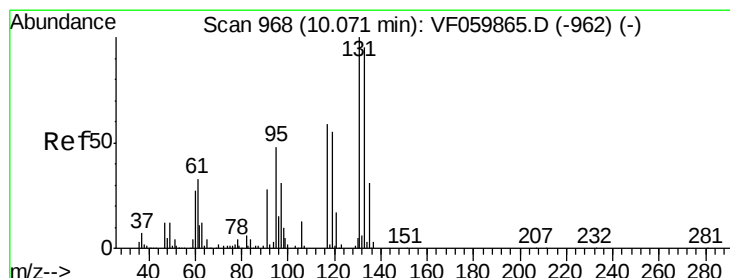
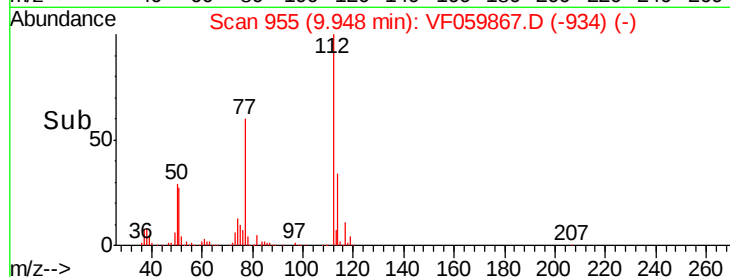
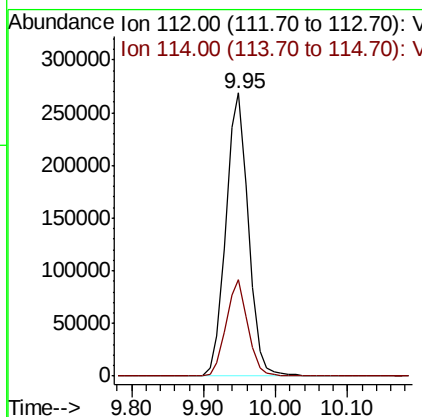
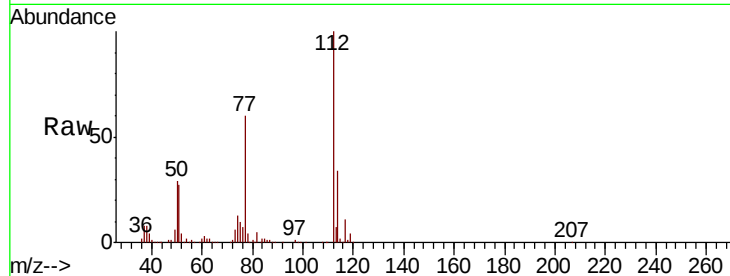
#65
Chlorobenzene
Concen: 95.60 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.1	26.4	39.6

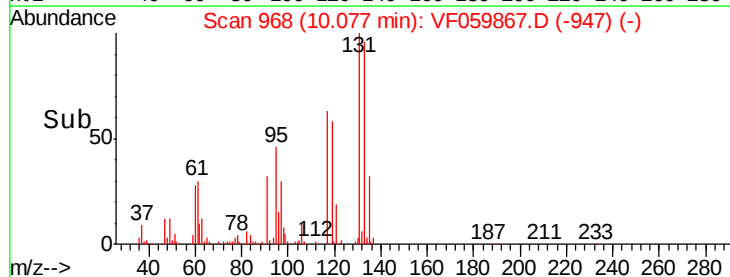
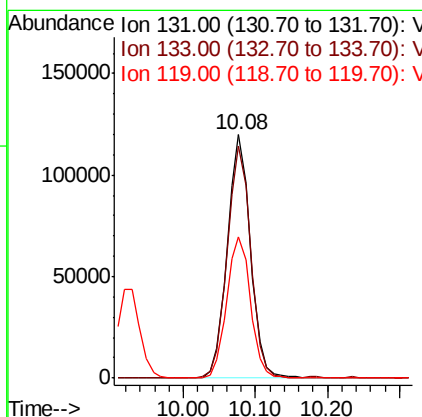
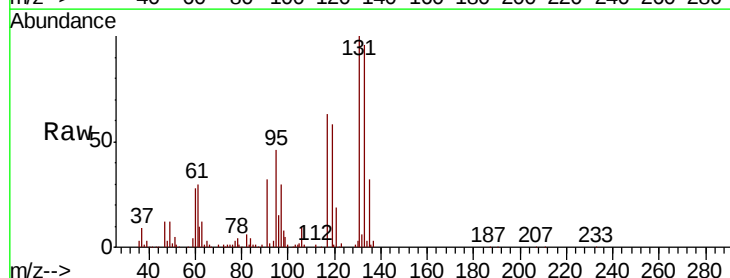
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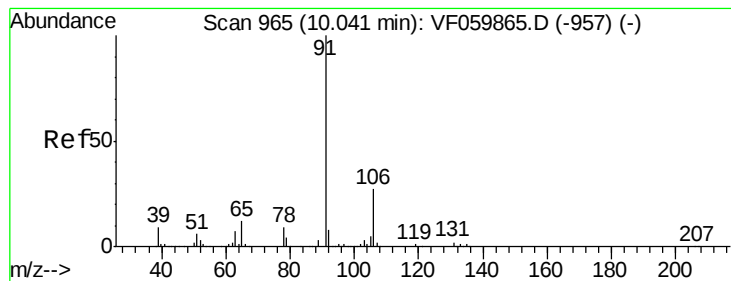
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#66
1,1,1,2-Tetrachloroethane
Concen: 93.89 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.4	142.2
119	58.0	27.7	83.1





#67

Ethyl Benzene

Concen: 93.34 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 984911

Ion Ratio Lower Upper

91 100

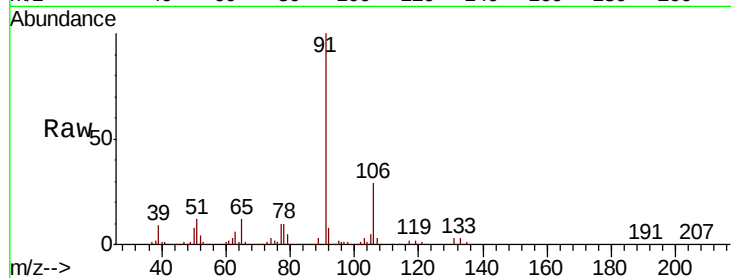
106 28.7 21.5 32.3

Manual Integrations

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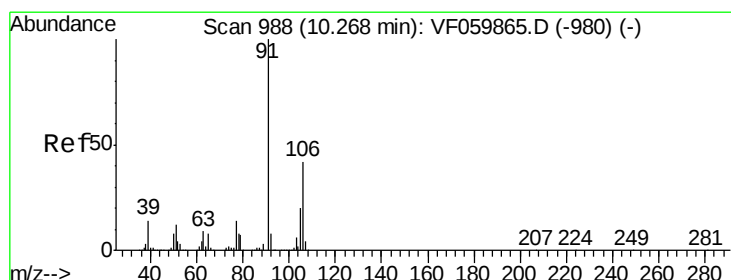
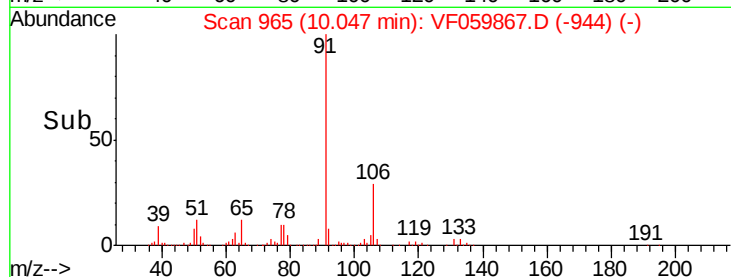
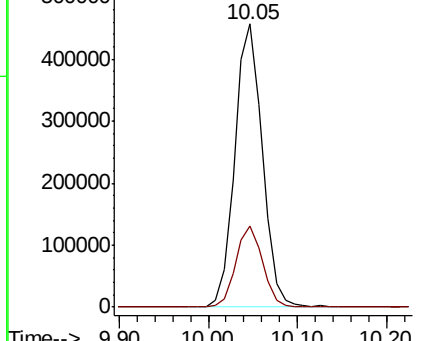
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 187.21 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059867.D

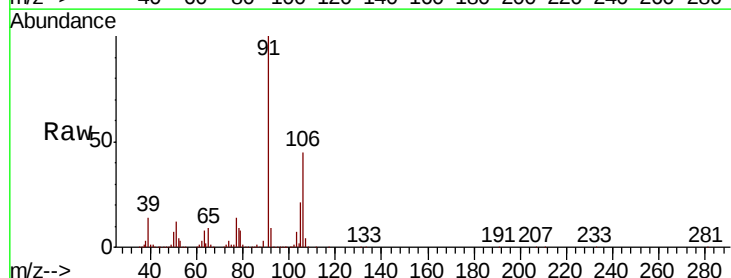
Acq: 4 Aug 2018 5:40

Tgt Ion:106 Resp: 692364

Ion Ratio Lower Upper

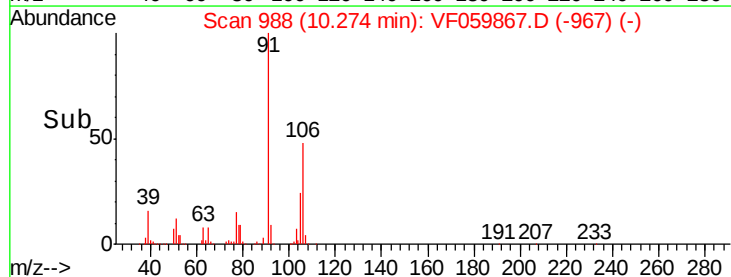
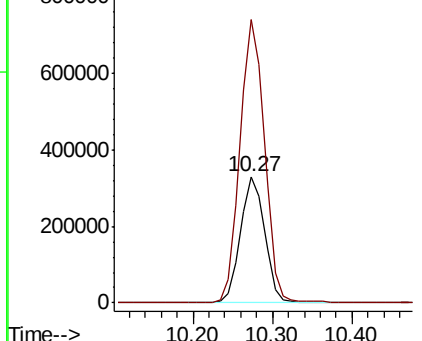
106 100

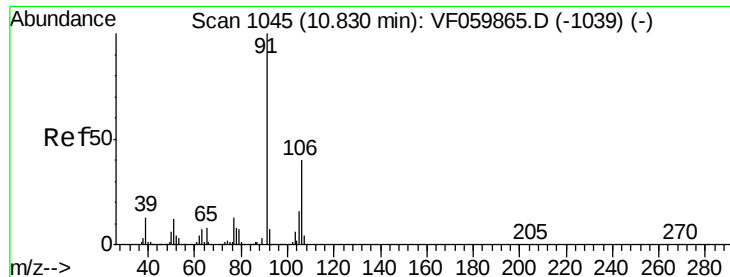
91 224.4 192.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





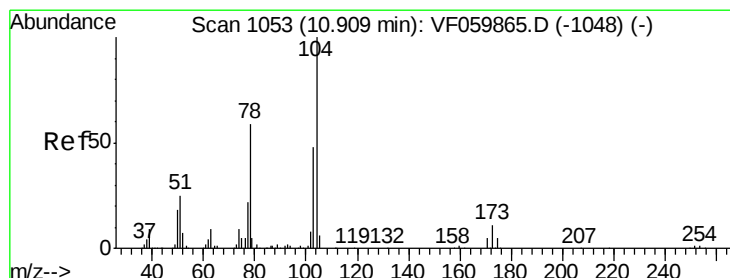
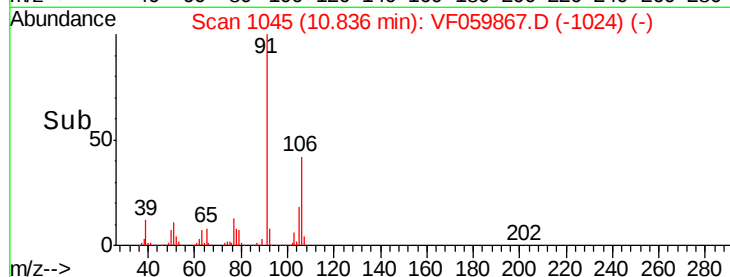
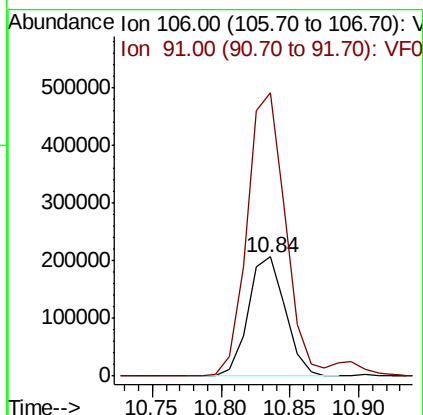
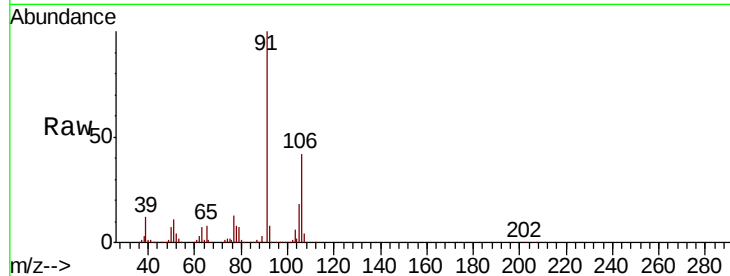
#69
o-Xylene
Concen: 99.53 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Lower	Upper
389329	106			
	106	100		
	91	236.8	125.4	376.2

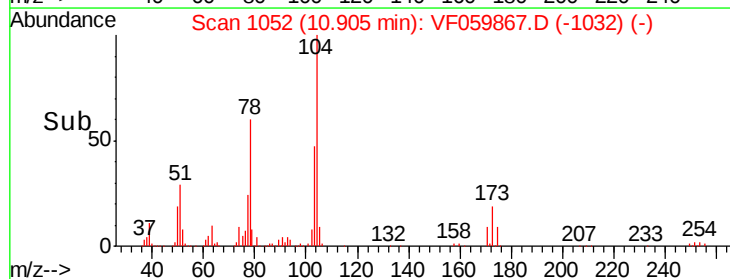
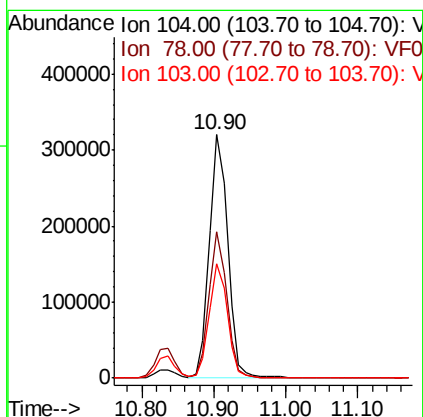
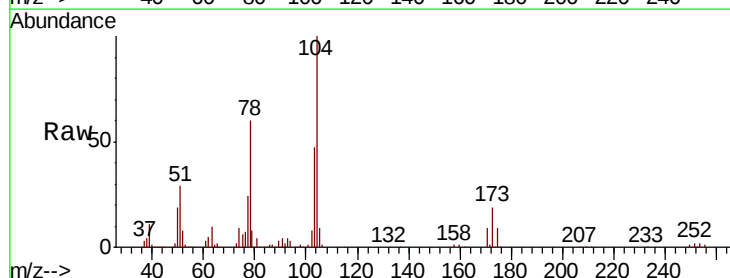
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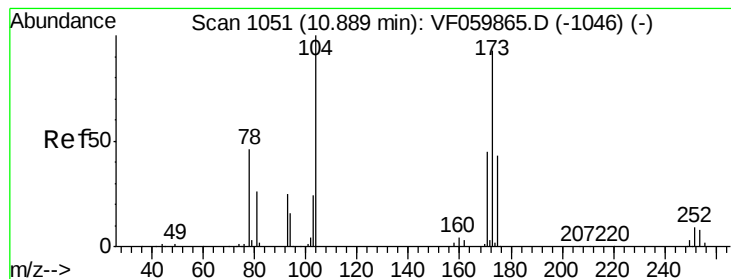
apatel
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#70
Styrene
Concen: 96.31 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ion	Ratio	Lower	Upper
564271	104			
	104	100		
	78	59.9	47.3	70.9
	103	47.0	39.0	58.4





#71

Bromoform

Concen: 95.95 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 175767

Ion Ratio Lower Upper

173 100

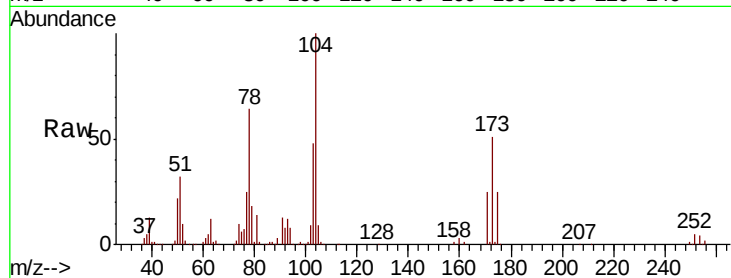
175 48.9 23.4 70.2

254 0.1 0.0 0.0#

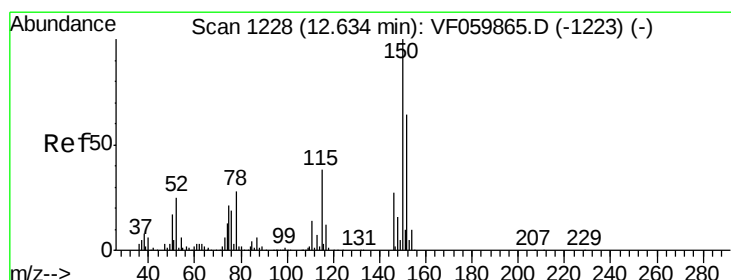
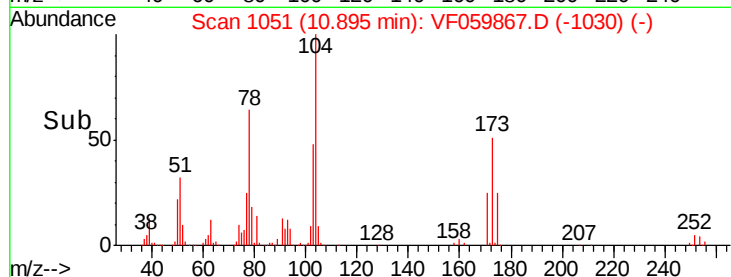
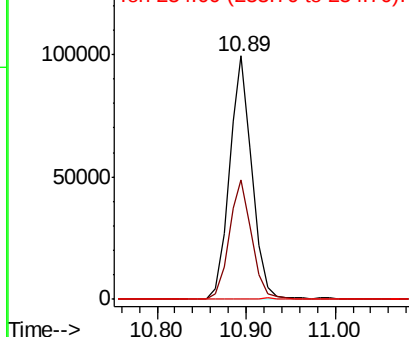
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

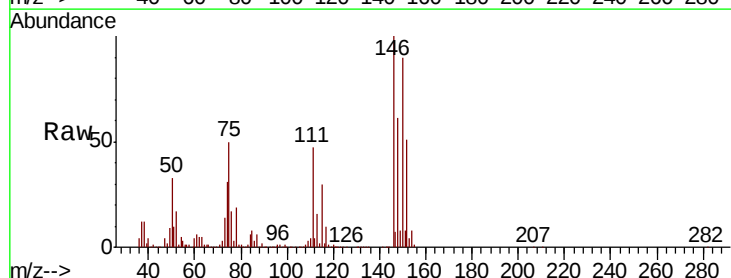
Tgt Ion:152 Resp: 187108

Ion Ratio Lower Upper

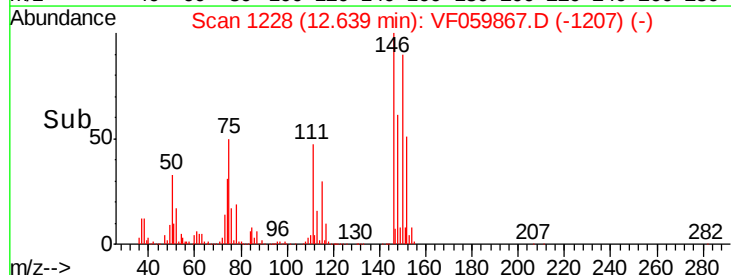
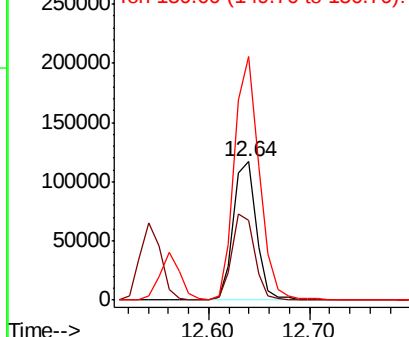
152 100

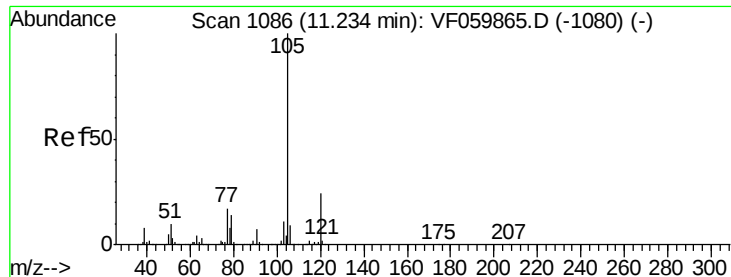
115 57.8 29.8 89.4

150 176.1 0.0 315.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 93.10 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1166406

Ion Ratio Lower Upper

105 100

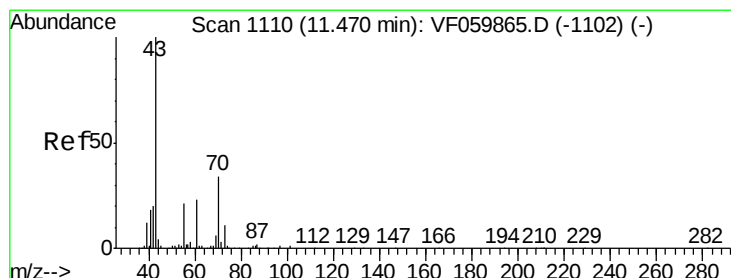
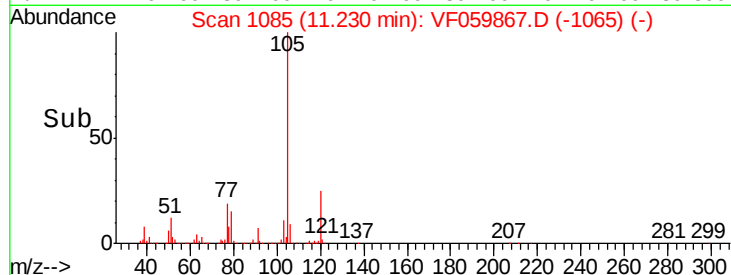
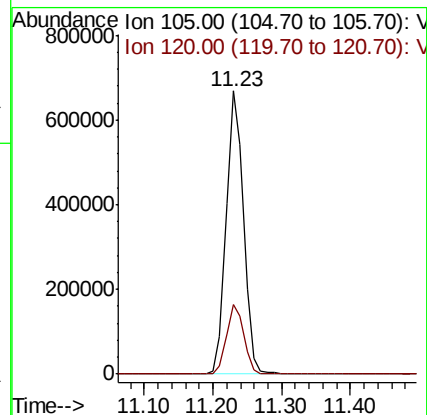
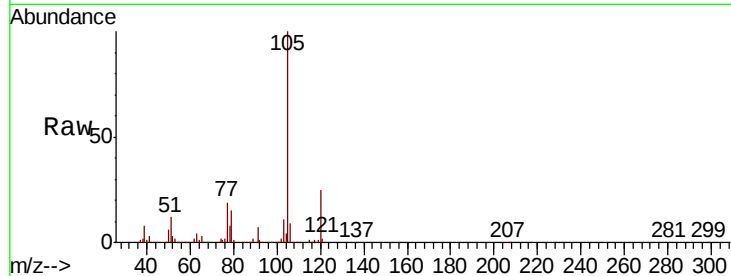
120 24.8 12.1 36.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 97.17 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion: 43 Resp: 300278

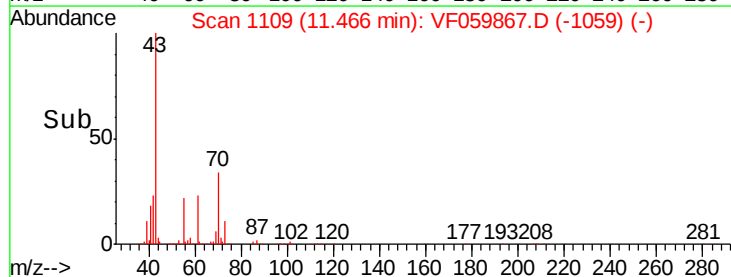
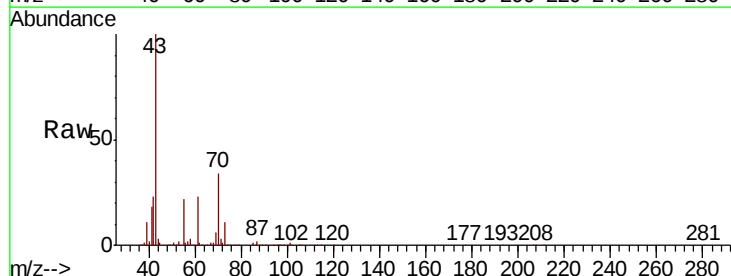
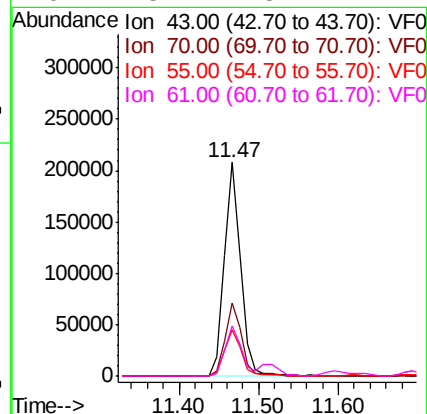
Ion Ratio Lower Upper

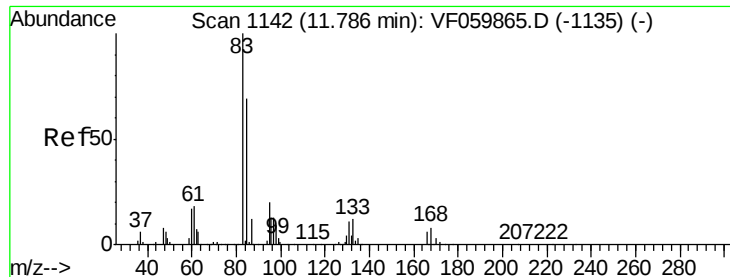
43 100

70 34.1 27.5 41.3

55 21.9 16.6 25.0

61 23.4 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 91.71 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

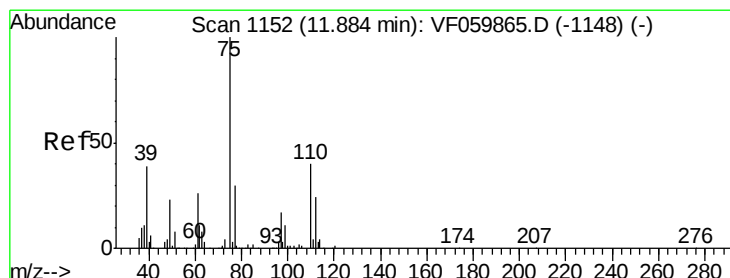
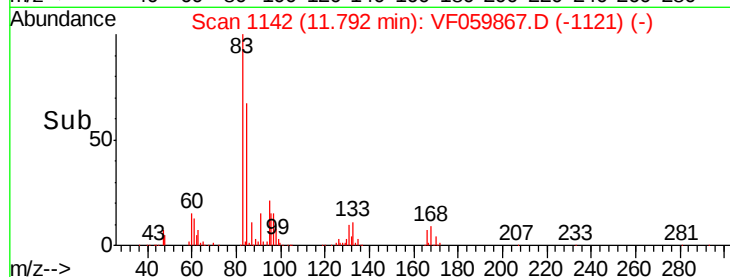
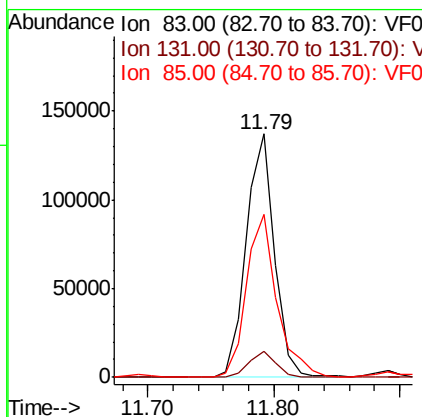
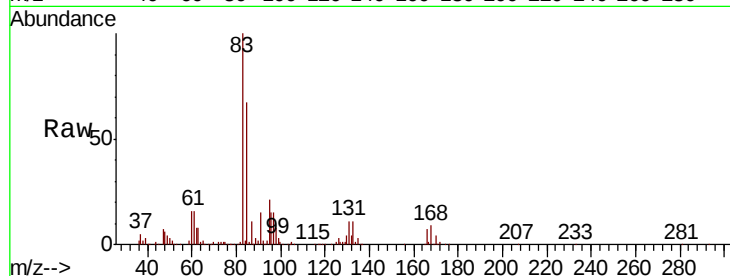
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	212647
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	66.7	34.5	103.5

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#76

1,2,3-Trichloropropane

Concen: 91.74 ug/l

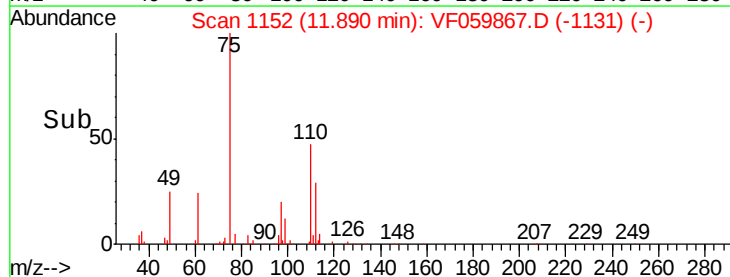
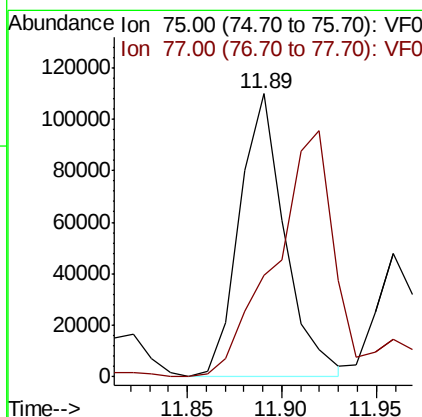
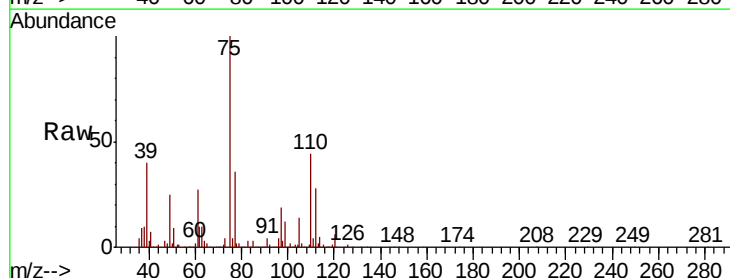
RT: 11.89 min Scan# 1152

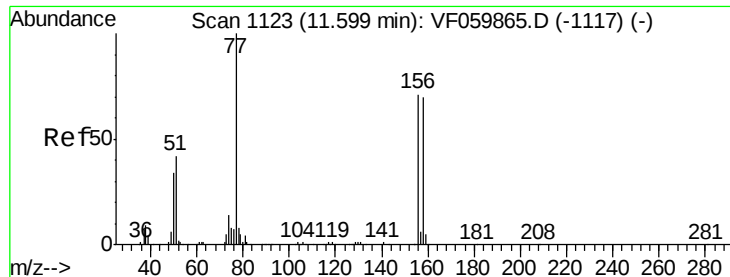
Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion:	75	Resp:	182364
Ion Ratio	Lower	Upper	
75	100		
77	35.9	15.4	46.2





#77

Bromobenzene

Concen: 94.73 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

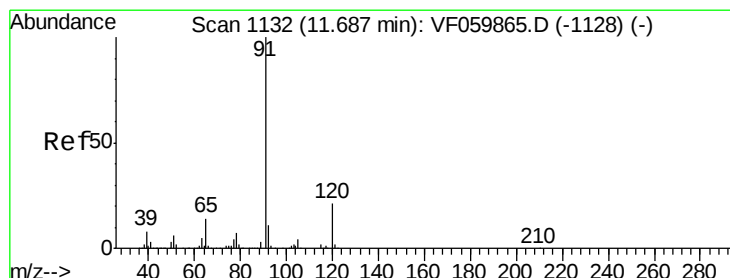
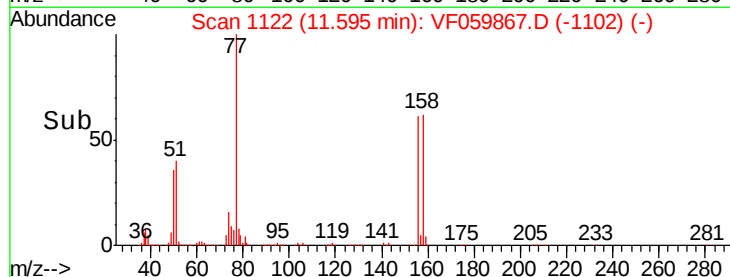
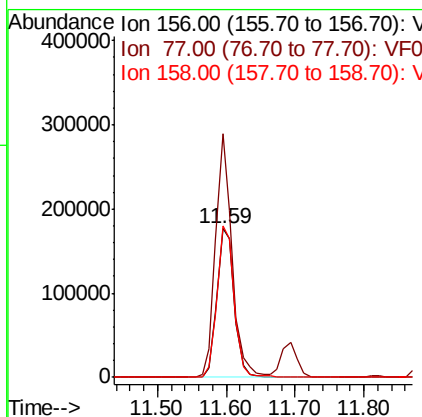
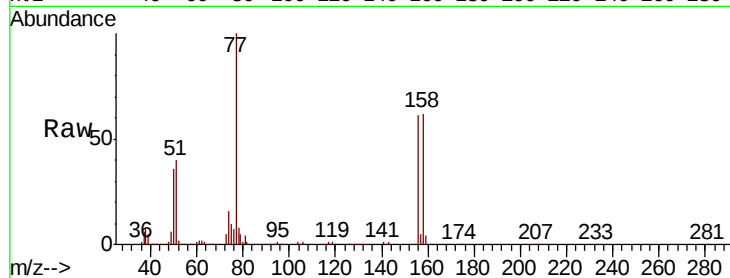
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	164.0	70.2	210.6
158	101.9	49.2	147.6

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#78

n-propylbenzene

Concen: 87.65 ug/l

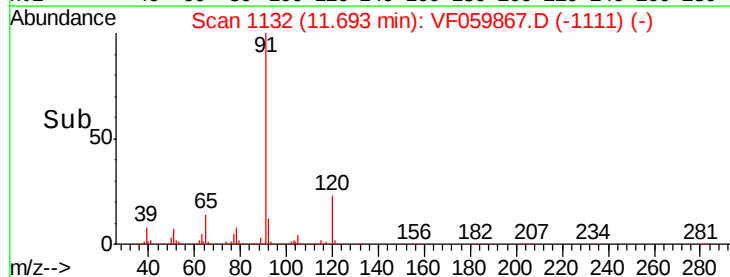
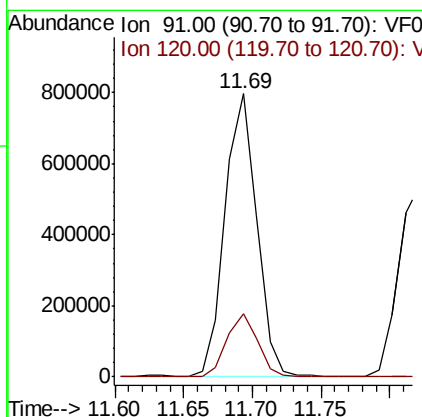
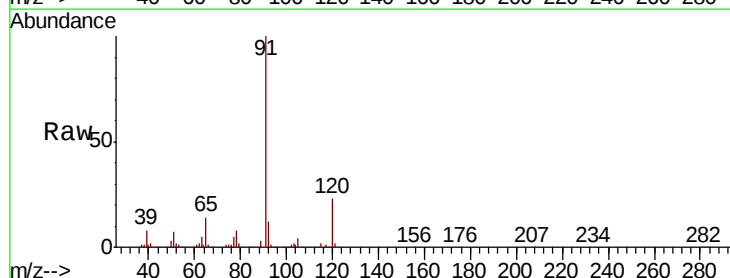
RT: 11.69 min Scan# 1132

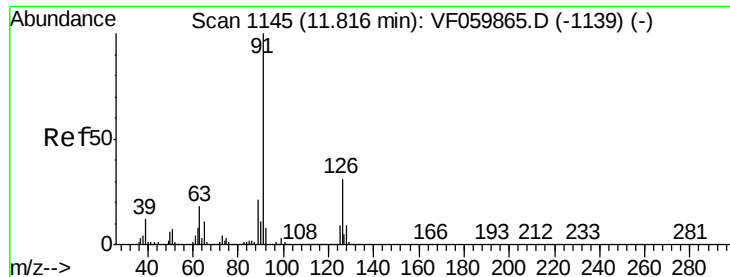
Delta R.T. 0.01 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.4	31.2





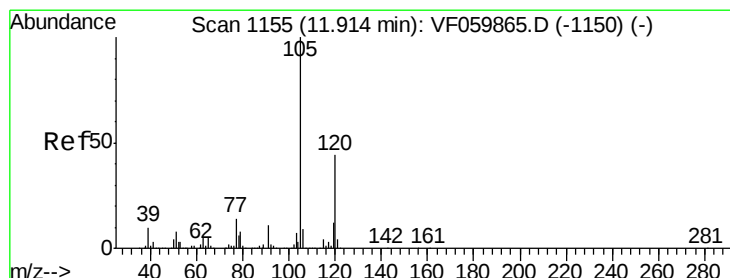
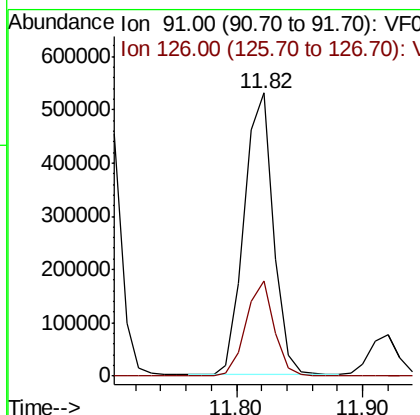
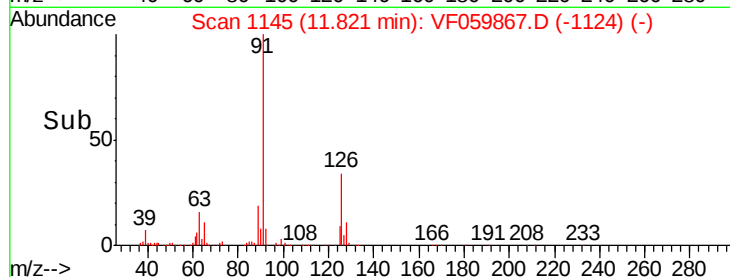
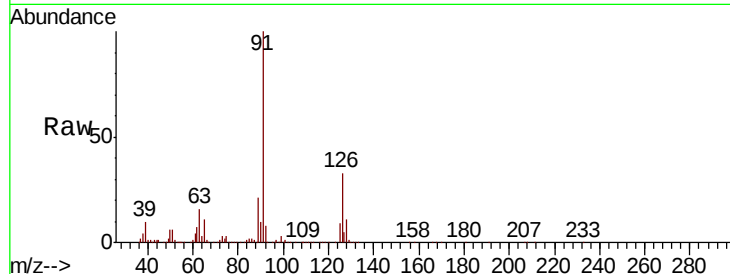
#79
 2-Chlorotoluene
 Concen: 93.95 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 853072
 Ion Ratio Lower Upper
 91 100
 126 33.5 15.6 46.7

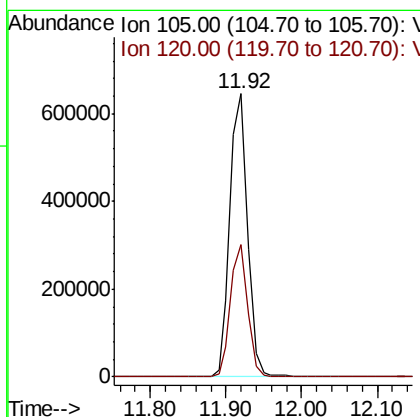
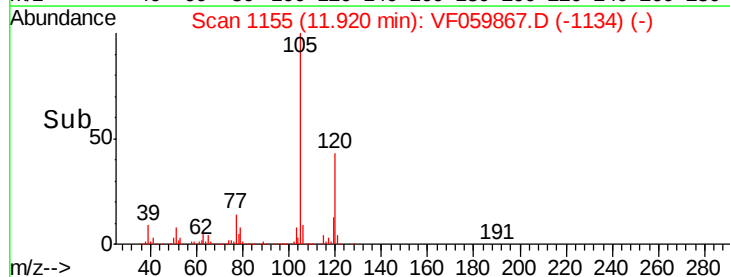
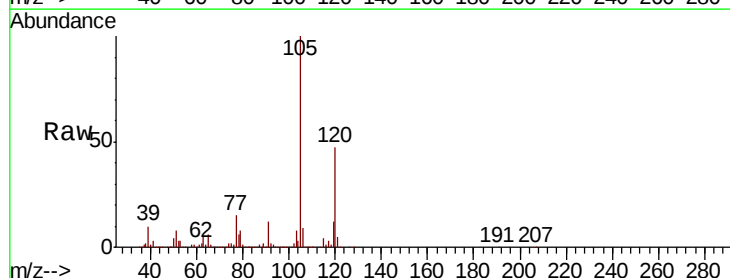
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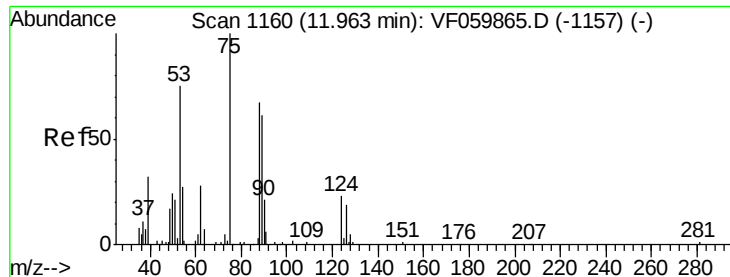
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#80
 1,3,5-Trimethylbenzene
 Concen: 92.15 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion: 105 Resp: 1039868
 Ion Ratio Lower Upper
 105 100
 120 46.9 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 91.72 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

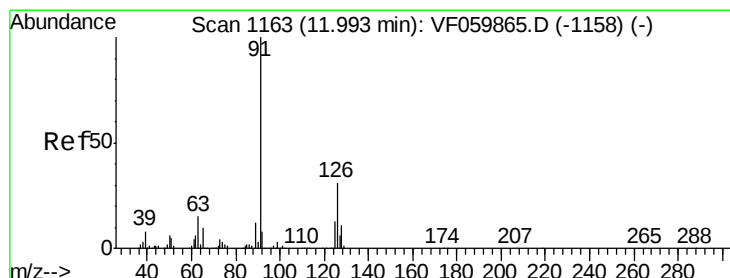
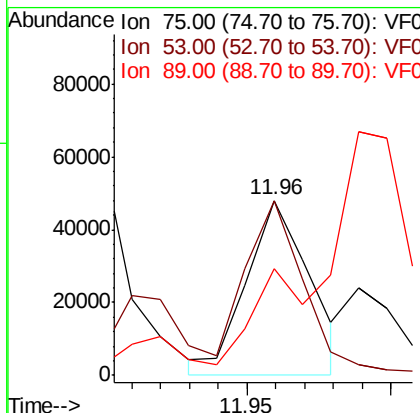
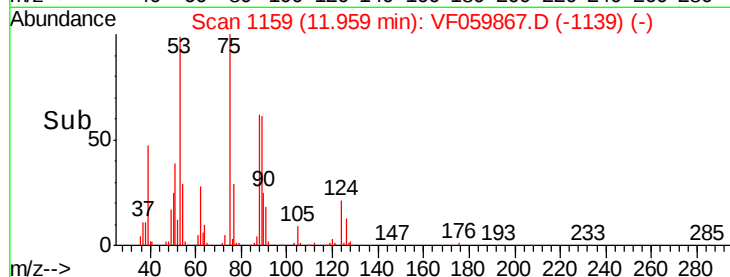
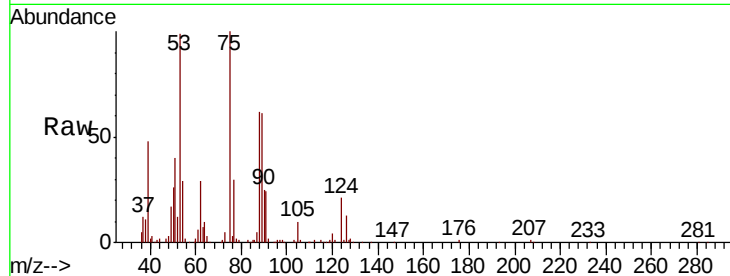
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	73377
Ion Ratio	Lower	Upper	
75	100		
53	99.4	65.9	98.9#
89	61.2	50.6	76.0

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#82

4-Chlorotoluene

Concen: 91.49 ug/l

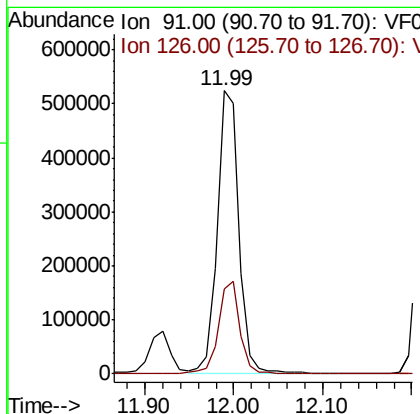
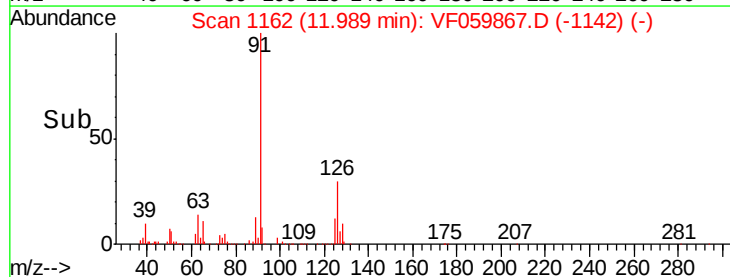
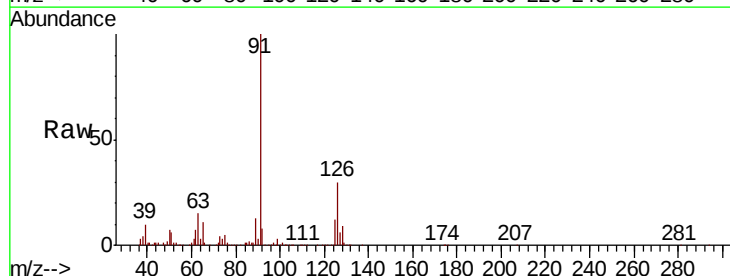
RT: 11.99 min Scan# 1162

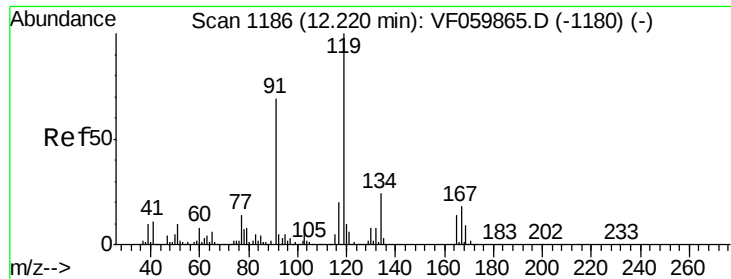
Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Tgt Ion:	91	Resp:	886597
Ion Ratio	Lower	Upper	
91	100		
126	30.0	15.7	47.0





#83

tert-Butylbenzene

Concen: 91.63 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF059867.D

Acq: 4 Aug 2018 5:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1026112

Ion Ratio Lower Upper

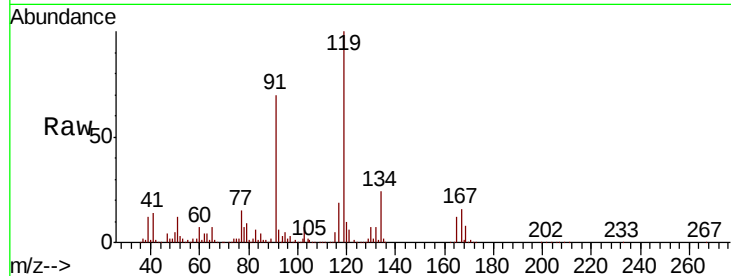
119 100

91 70.2 34.4 103.2

134 23.6 12.1 36.3

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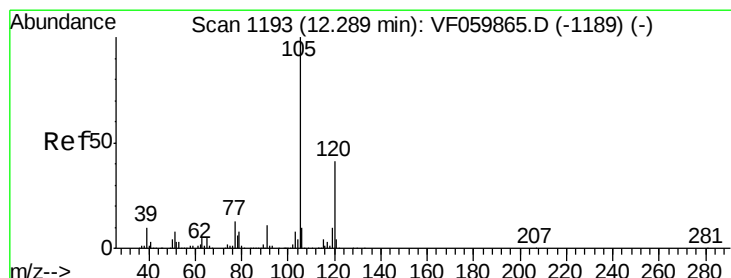
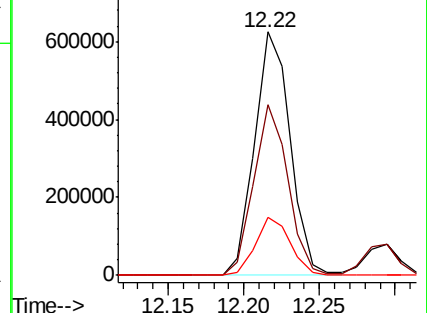
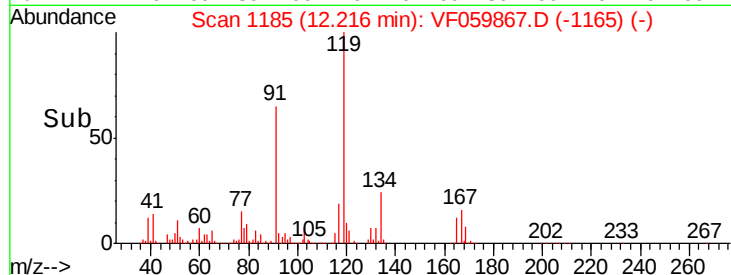
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 95.55 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF059867.D

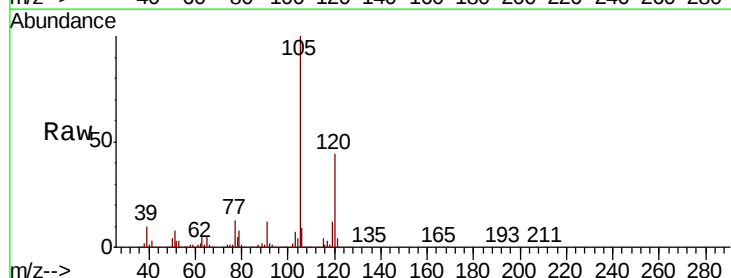
Acq: 4 Aug 2018 5:40

Tgt Ion:105 Resp: 1082309

Ion Ratio Lower Upper

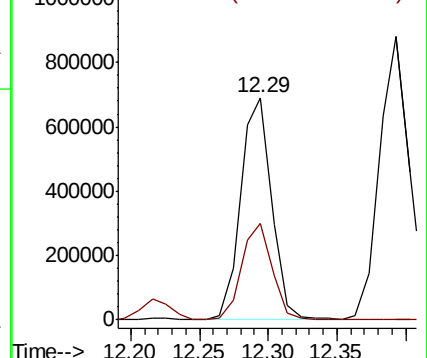
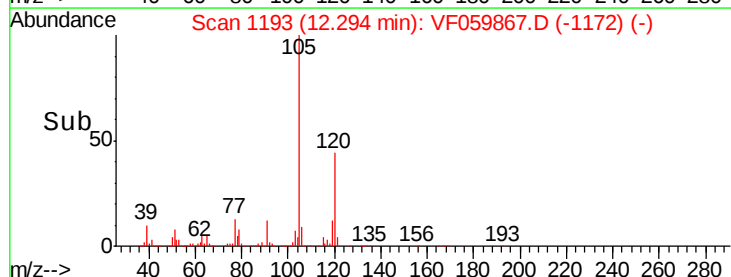
105 100

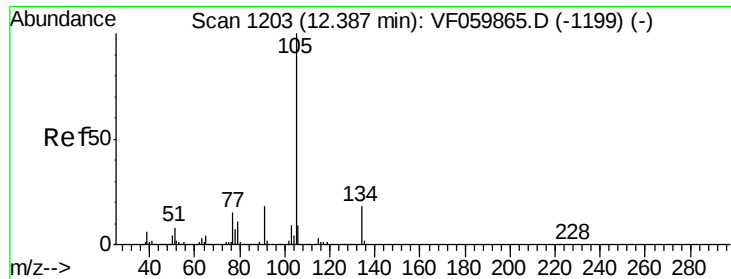
120 43.6 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





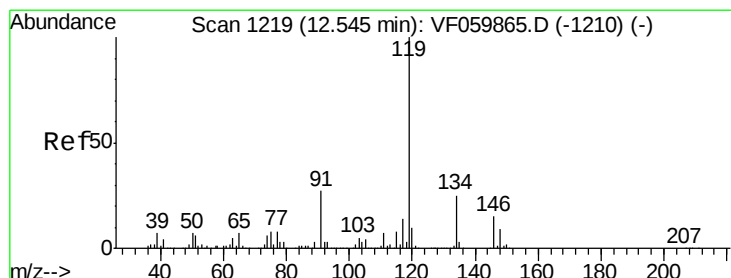
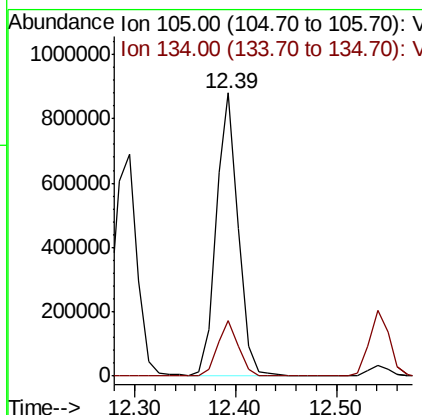
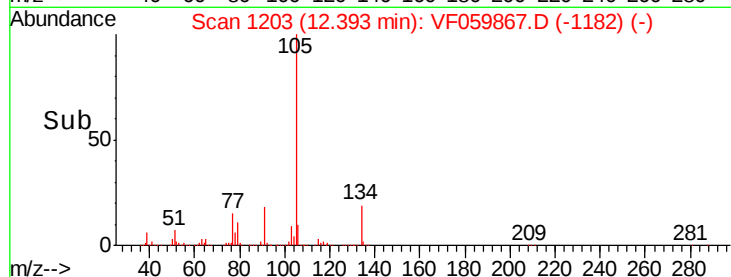
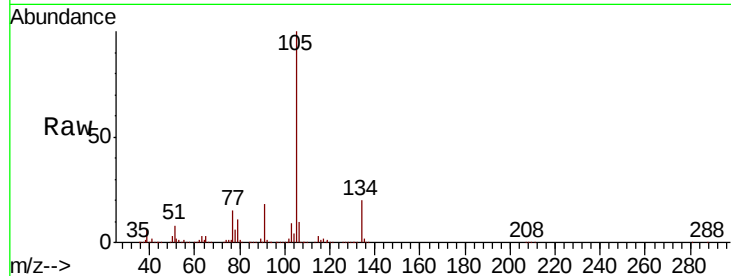
#85
 sec-Butylbenzene
 Concen: 92.33 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1331300
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.1 27.3

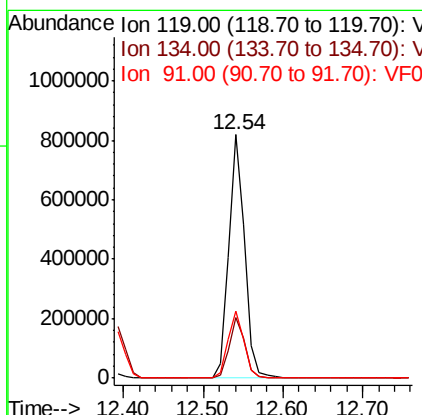
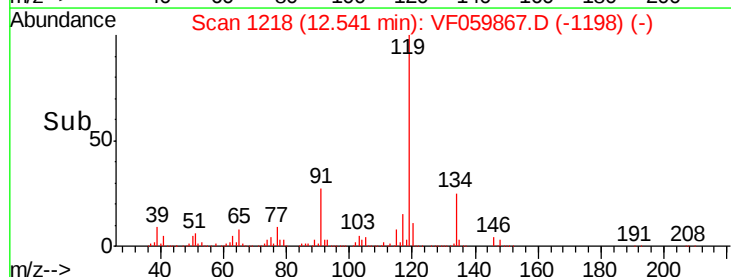
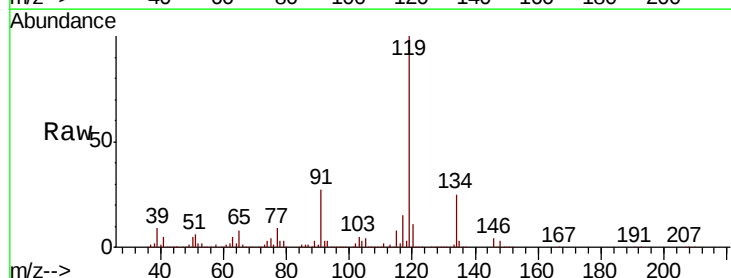
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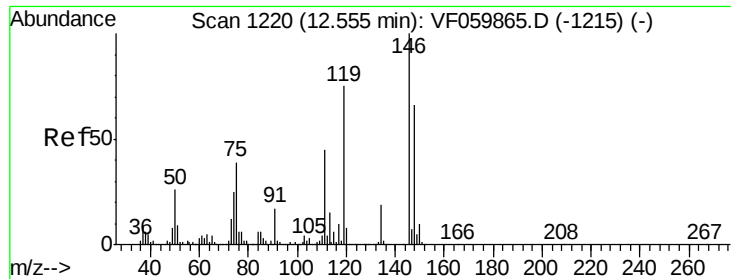
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#86
 p-Isopropyltoluene
 Concen: 90.11 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion:119 Resp: 1145965
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.4 37.0
 91 27.3 13.6 40.7





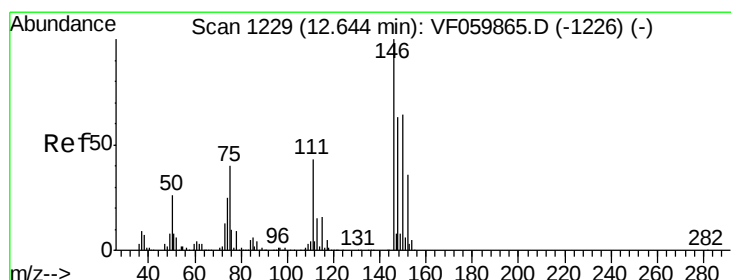
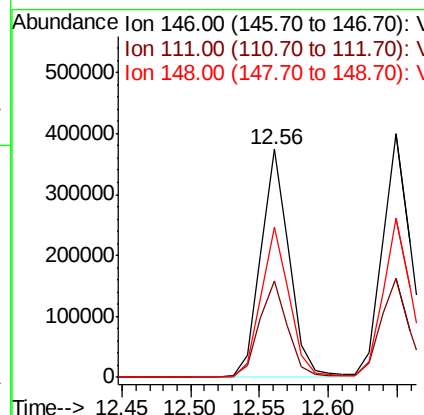
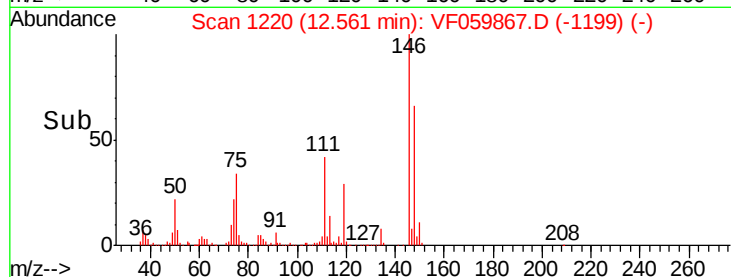
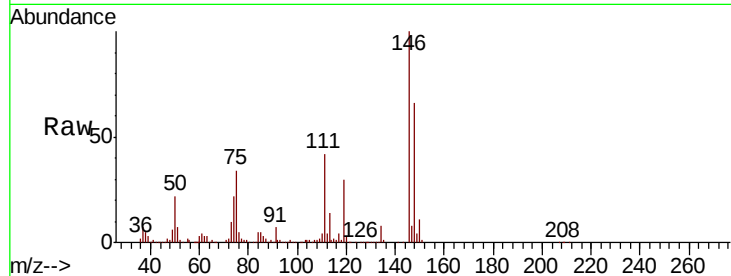
#87
 1,3-Dichlorobenzene
 Concen: 87.11 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	22.4	67.0
148	65.6	33.1	99.3

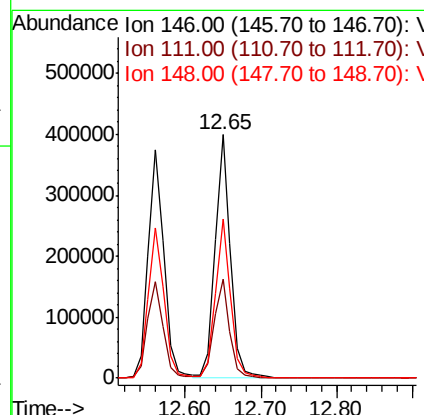
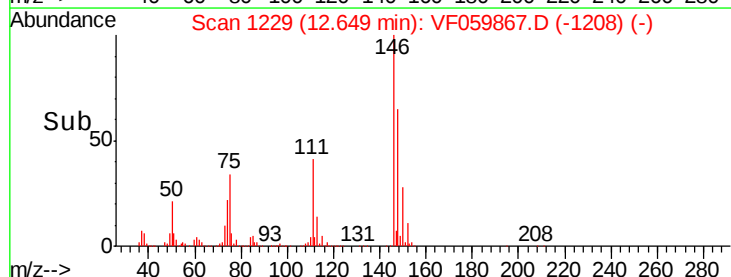
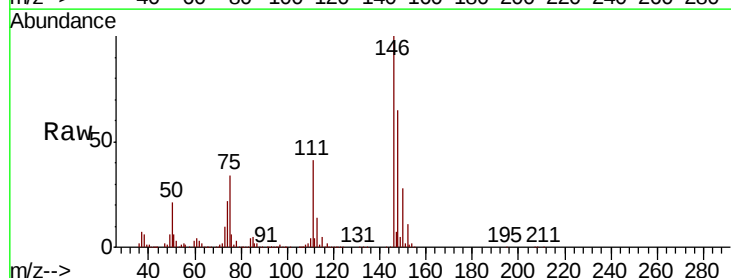
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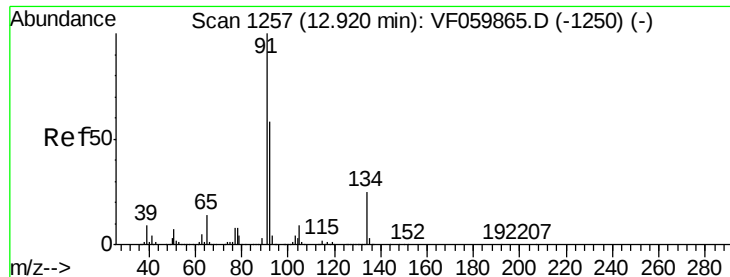
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#88
 1,4-Dichlorobenzene
 Concen: 94.46 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.4	64.2
148	65.5	31.6	94.7





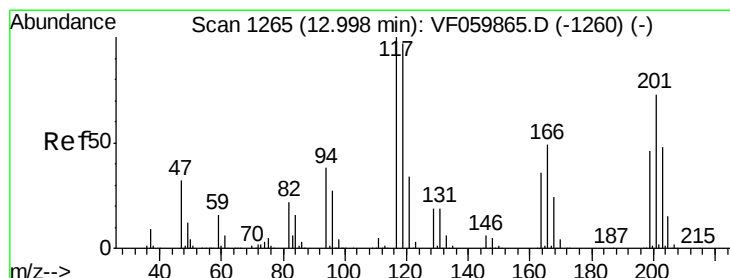
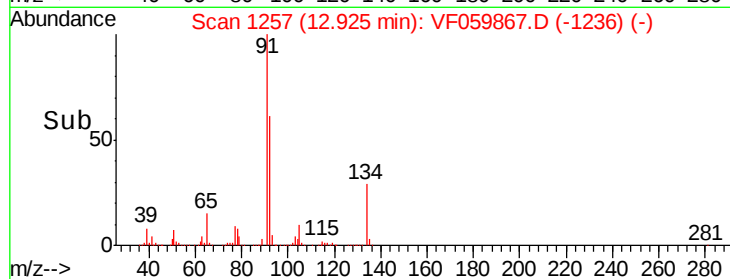
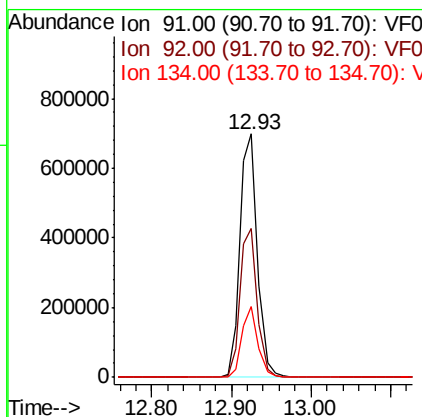
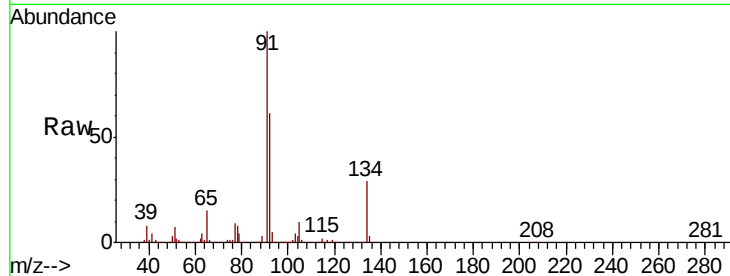
#89
n-Butylbenzene
Concen: 89.29 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.2	28.8	86.5
134	29.1	12.6	37.6

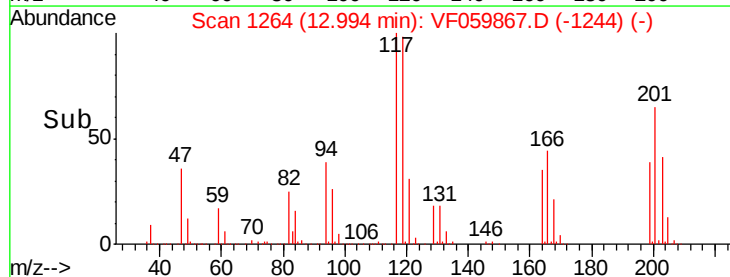
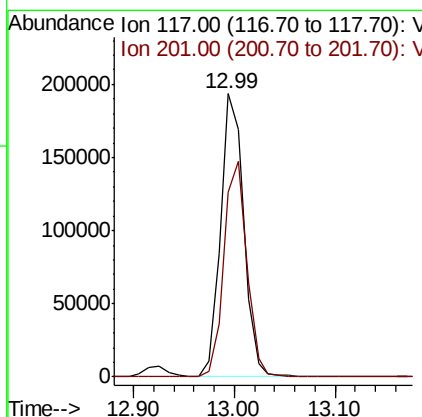
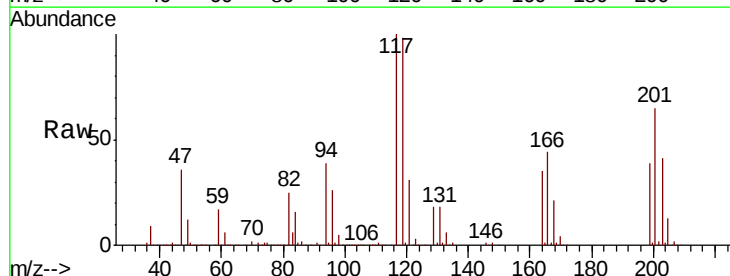
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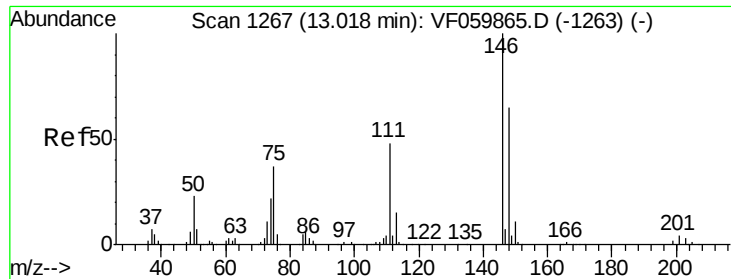
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#90
Hexachloroethane
Concen: 97.27 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.2	36.6	109.8





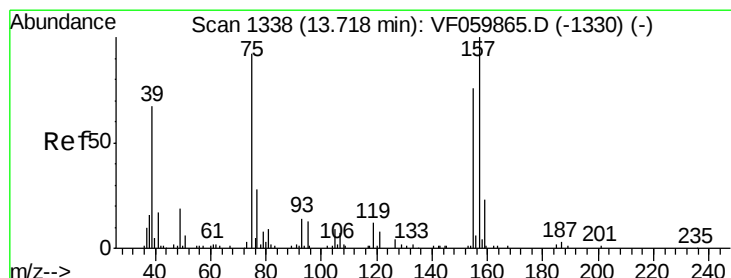
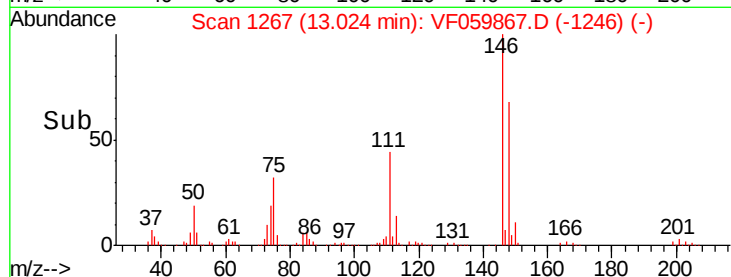
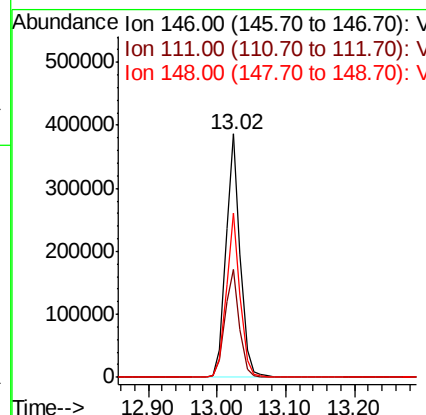
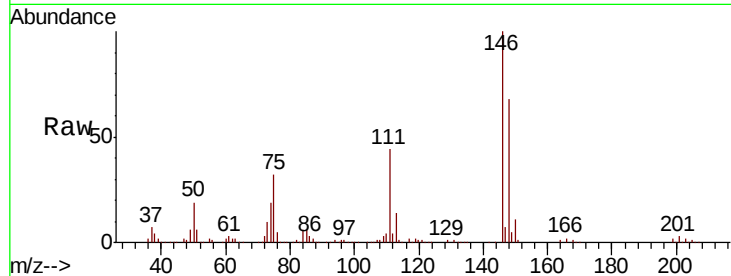
#91
 1,2-Dichlorobenzene
 Concen: 90.99 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	24.1	72.2
148	67.5	32.8	98.3

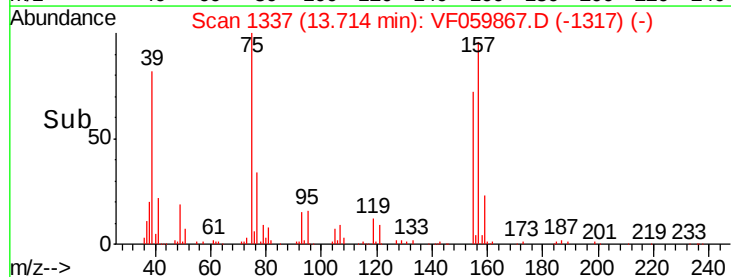
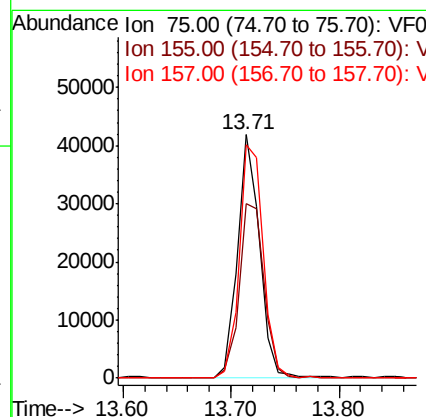
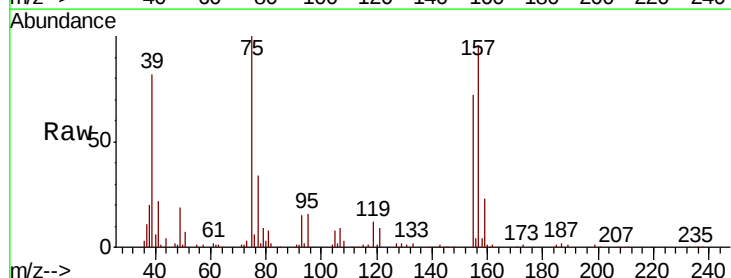
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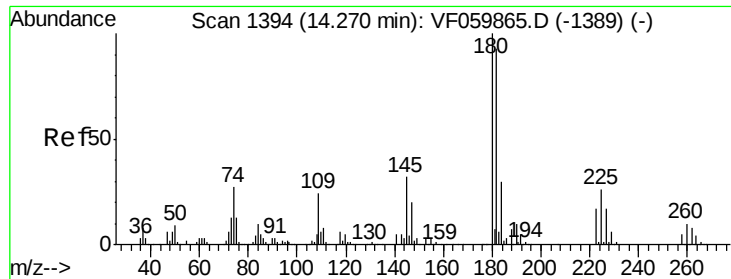
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.72 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.5	41.2	123.6
157	96.1	54.5	163.6





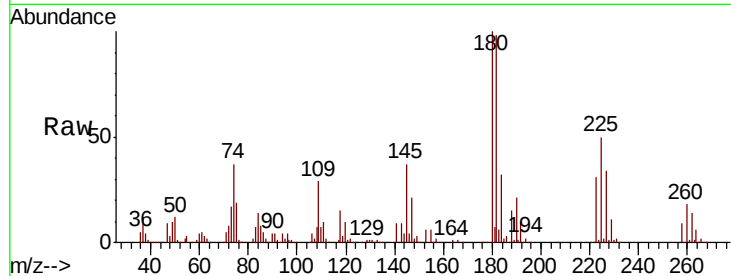
#93
 1,2,4-Trichlorobenzene
 Concen: 91.94 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.6	46.4	139.2	
145	36.8	15.9	47.7	

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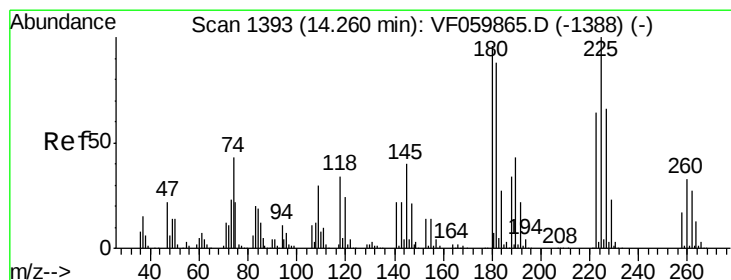
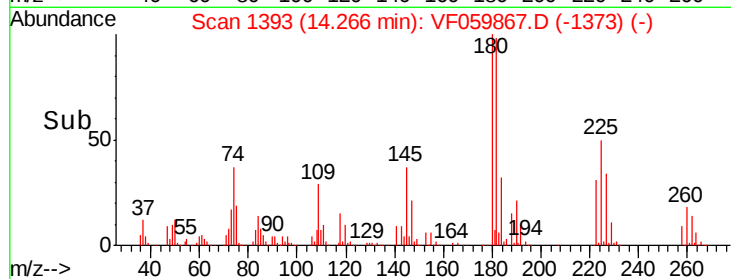
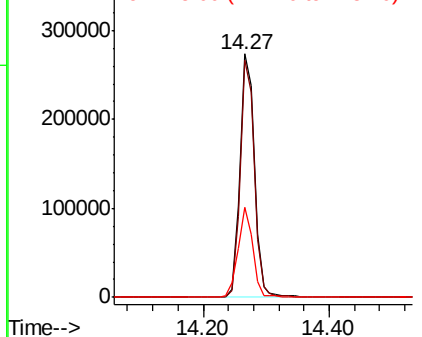


Abundance

Ion 180.00 (179.70 to 180.70): V

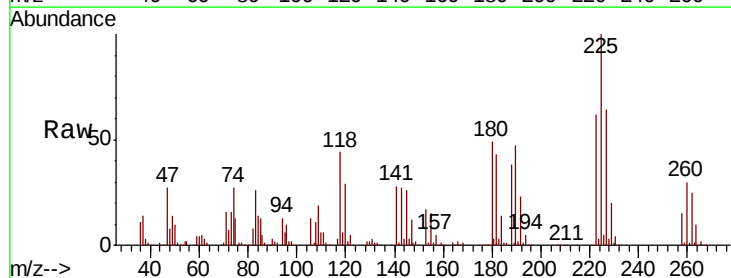
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 91.07 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059867.D
 Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	31.9	95.9	
227	64.2	32.8	98.4	

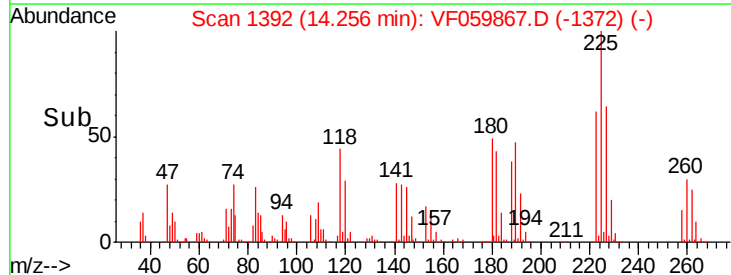
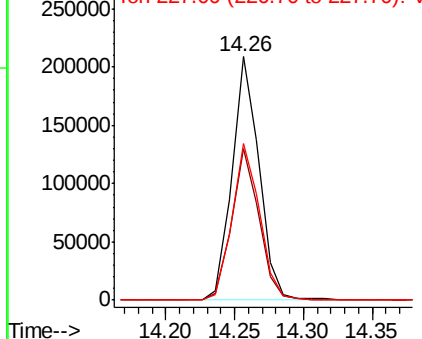


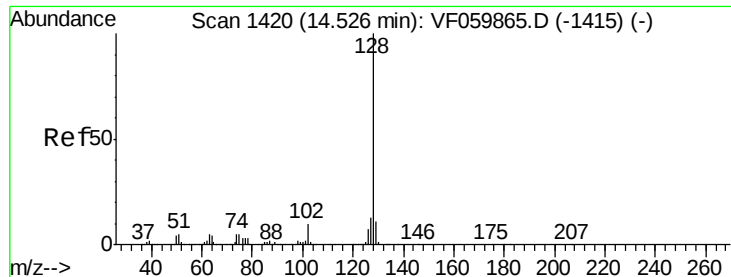
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





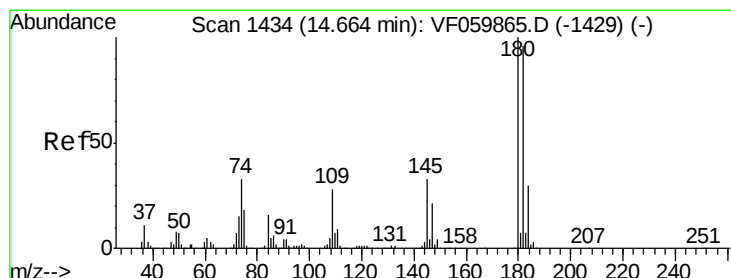
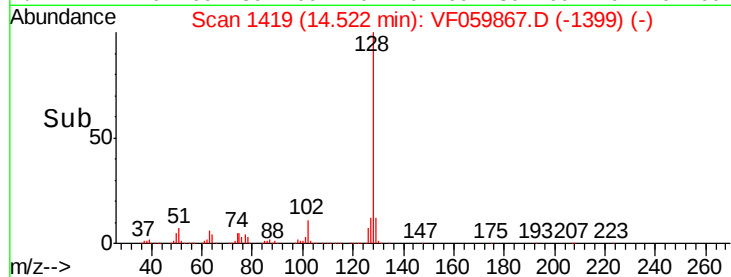
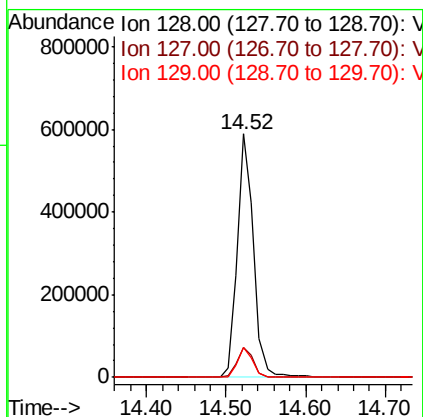
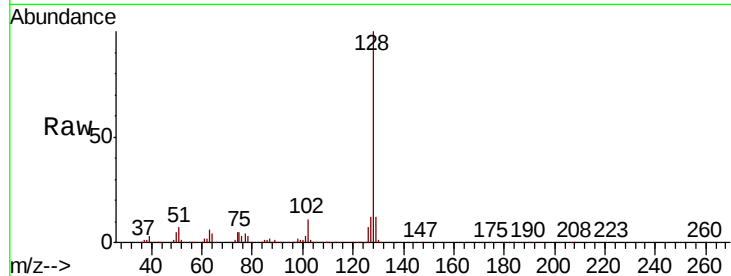
#95
Naphthalene
Concen: 103.03 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	842216		
127	12.3		10.4	15.6
129	12.1		9.0	13.6

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#96
1,2,3-Trichlorobenzene
Concen: 96.67 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059867.D
Acq: 4 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	438720		
182	98.2		48.1	144.3
145	33.6		16.6	49.8

