

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059957.D
 Acq On : 14 Aug 2018 21:00
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
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 8/16/2018 12:15:15 PM

Quant Time: Aug 15 09:13:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	129750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	188618	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	188715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	113723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	229411	97.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.78%	
35) Dibromofluoromethane	4.31	113	173988	93.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.82%	
50) Toluene-d8	7.73	98	403245	100.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.60%	
62) 4-Bromofluorobenzene	11.53	95	225784	100.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	182714	84.45	ug/l	98
3) Chloromethane	1.10	50	78536	78.34	ug/l	96
4) Vinyl Chloride	1.17	62	91901	88.35	ug/l	99
5) Bromomethane	1.35	94	75597	77.55	ug/l	89
6) Chloroethane	1.44	64	60756	93.21	ug/l	94
7) Trichlorofluoromethane	1.54	101	263594m	91.71	ug/l	
8) Diethyl Ether	1.71	74	40172	89.46	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.92	101	125221	80.02	ug/l	95
10) Methyl Iodide	1.99	142	207993m	86.85	ug/l	
11) Tert butyl alcohol	2.69	59	41366	432.42	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	96271	83.98	ug/l	87
13) Acrolein	2.10	56	27424	482.39	ug/l #	79
14) Allyl chloride	2.20	41	137218	74.57	ug/l	91
15) Acrylonitrile	3.09	53	65287	390.72	ug/l	94
16) Acetone	2.35	43	194868	449.18	ug/l	95
17) Carbon Disulfide	1.90	76	251820m	83.54	ug/l	
18) Methyl Acetate	2.46	43	58160	81.46	ug/l	94
19) Methyl tert-butyl Ether	2.55	73	292308	90.01	ug/l	97
20) Methylene Chloride	2.28	84	90907m	94.26	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	95183	84.00	ug/l	97
22) Diisopropyl ether	2.94	45	335177	91.27	ug/l	97
23) Vinyl Acetate	3.35	43	844929	472.61	ug/l	100
24) 1,1-Dichloroethane	3.01	63	221189	82.92	ug/l	98
25) 2-Butanone	4.52	43	217362	466.88	ug/l	97
26) 2,2-Dichloropropane	3.78	77	140822	88.88	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	109747	86.99	ug/l	96
28) Bromochloromethane	3.91	49	82141	85.90	ug/l	88
29) Tetrahydrofuran	4.27	42	74754	436.23	ug/l	97
30) Chloroform	4.06	83	314179	86.97	ug/l	95
31) Cyclohexane	3.89	56	116928	88.79	ug/l	92
32) 1,1,1-Trichloroethane	4.29	97	252589	87.31	ug/l	96
36) 1,1-Dichloropropene	4.48	75	199520	93.19	ug/l	98
37) Ethyl Acetate	4.30	43	84148	91.60	ug/l #	67
38) Carbon Tetrachloride	4.19	117	302840	94.83	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	146432	91.68	ug/l	95
40) Benzene	4.82	78	344416	95.36	ug/l	93
41) Methacrylonitrile	4.93	41	42908	89.24	ug/l	86
42) 1,2-Dichloroethane	5.14	62	259404	86.87	ug/l	96
43) Isopropyl Acetate	7.12	43	95560	98.77	ug/l #	100
44) Trichloroethene	5.69	130	126513	88.82	ug/l	93
45) 1,2-Dichloropropane	6.42	63	89302	90.77	ug/l	94
46) Dibromomethane	6.27	93	87799	88.01	ug/l	93
47) Bromodichloromethane	6.57	83	252934	92.56	ug/l	97
48) Methyl methacrylate	6.89	41	78731	105.43	ug/l	93
49) 1,4-Dioxane	6.87	88	11246	1967.72	ug/l	93
51) 4-Methyl-2-Pentanone	8.42	43	444627	452.47	ug/l	98
52) Toluene	7.80	92	249858	91.87	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	201953	95.45	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	211453	97.79	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	88560	90.54	ug/l	95
56) Ethyl methacrylate	8.78	69	101287	90.50	ug/l	95
57) 1,3-Dichloropropane	9.01	76	158117	93.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	62035	479.45	ug/l	100
59) 2-Hexanone	9.64	43	335314	480.18	ug/l	95
60) Dibromochloromethane	8.89	129	174740	94.76	ug/l	96
61) 1,2-Dibromoethane	9.15	107	111575	93.64	ug/l	92
64) Tetrachloroethene	8.32	164	134326	85.19	ug/l	99
65) Chlorobenzene	9.96	112	325071	86.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.09	131	163562	87.59	ug/l	96
67) Ethyl Benzene	10.06	91	618998	94.61	ug/l	97
68) m/p-Xylenes	10.28	106	397797	175.80	ug/l	99
69) o-Xylene	10.85	106	227143	95.67	ug/l	99
70) Styrene	10.92	104	333070	92.94	ug/l	99
71) Bromoform	10.91	173	101103	87.77	ug/l	96
73) Isopropylbenzene	11.24	105	718940	102.16	ug/l	100
74) N-amyl acetate	11.48	43	172506	95.57	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	118053	90.01	ug/l	98
76) 1,2,3-Trichloropropane	11.90	75	102031	90.10	ug/l	94
77) Bromobenzene	11.61	156	183322	95.52	ug/l	88
78) n-propylbenzene	11.70	91	796083	95.61	ug/l	95
79) 2-Chlorotoluene	11.82	91	516426	98.53	ug/l	98
80) 1,3,5-Trimethylbenzene	11.93	105	655898	100.43	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.97	75	44675m	99.27	ug/l	
82) 4-Chlorotoluene	12.00	91	563735	97.88	ug/l	98
83) tert-Butylbenzene	12.23	119	643421	100.57	ug/l	95
84) 1,2,4-Trimethylbenzene	12.30	105	663069	97.94	ug/l	99
85) sec-Butylbenzene	12.40	105	813929	95.94	ug/l	95
86) p-Isopropyltoluene	12.55	119	725624	102.09	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	328720	90.47	ug/l	99
88) 1,4-Dichlorobenzene	12.66	146	344351	96.27	ug/l	96
89) n-Butylbenzene	12.93	91	691592	100.87	ug/l	98
90) Hexachloroethane	13.01	117	182954	94.41	ug/l	81
91) 1,2-Dichlorobenzene	13.04	146	326609	93.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.73	75	33325	100.67	ug/l	87

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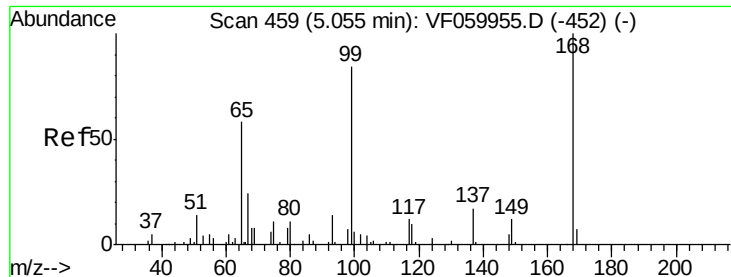
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	256902	95.84	µg/l	96
94) Hexachlorobutadiene	14.27	225	187188	98.67	µg/l	97
95) Naphthalene	14.53	128	468570	102.16	µg/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	259621	99.02	µg/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF059957.D

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Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 129750

Ion Ratio Lower Upper

168 100

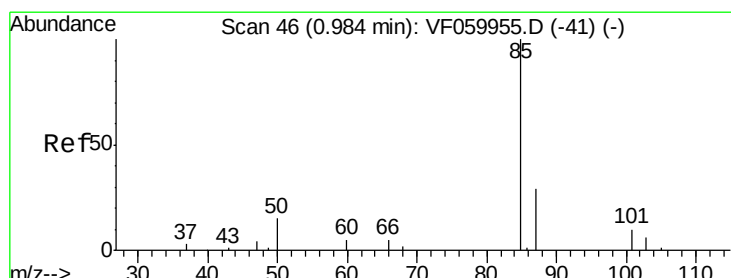
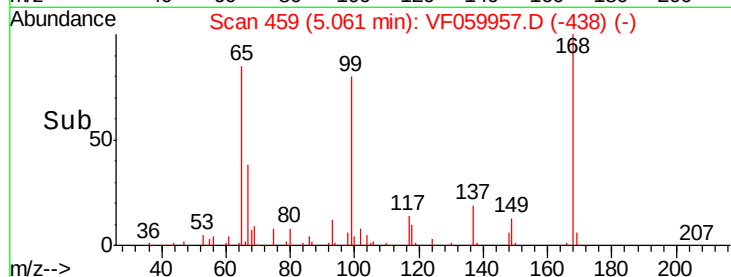
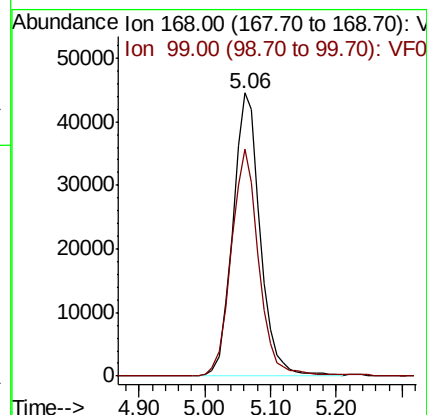
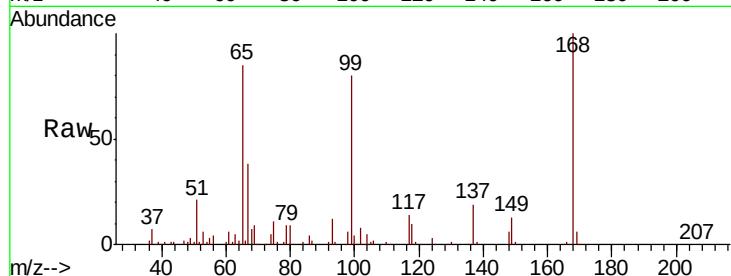
99 80.3 67.4 101.0

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#2

Dichlorodifluoromethane

Concen: 84.45 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059957.D

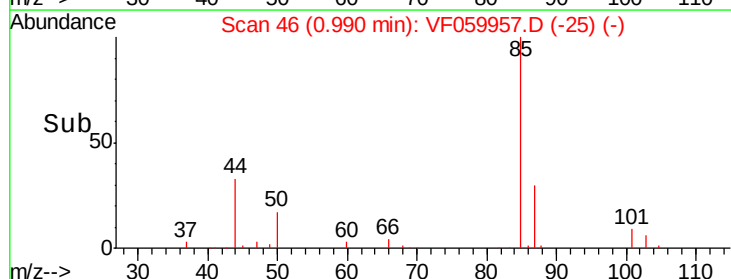
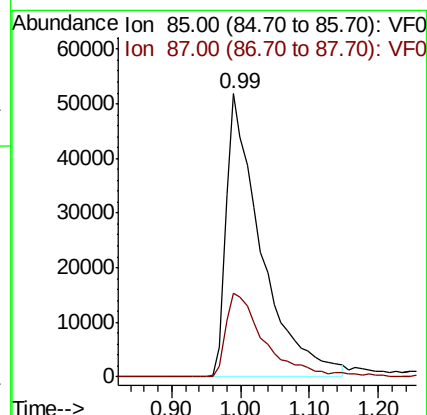
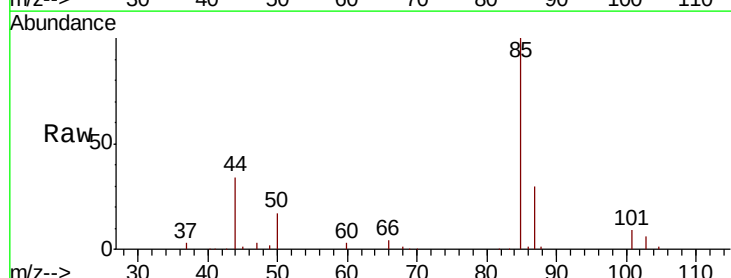
Acq: 14 Aug 2018 21:00

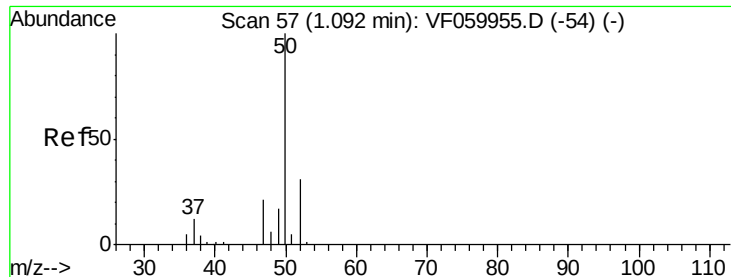
Tgt Ion: 85 Resp: 182714

Ion Ratio Lower Upper

85 100

87 29.8 14.4 43.4





#3

Chloromethane

Concen: 78.34 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 78536

Ion Ratio Lower Upper

50 100

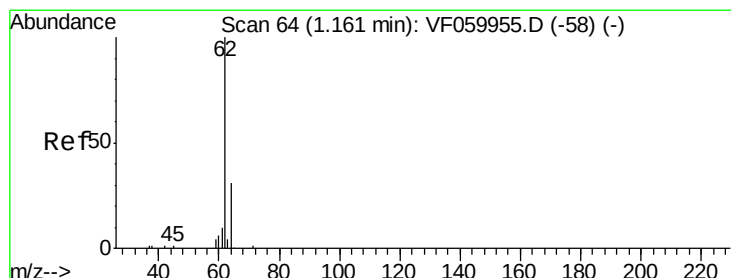
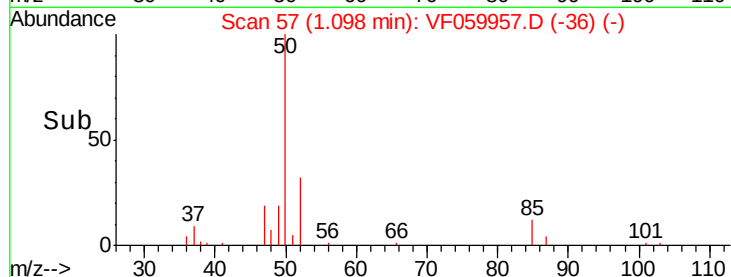
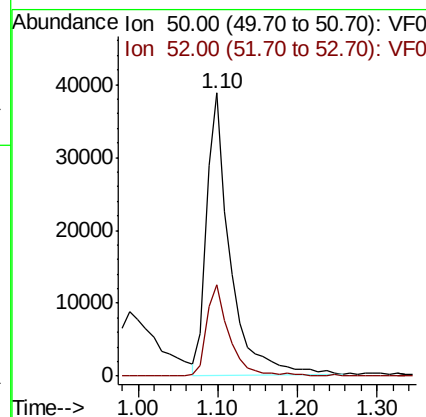
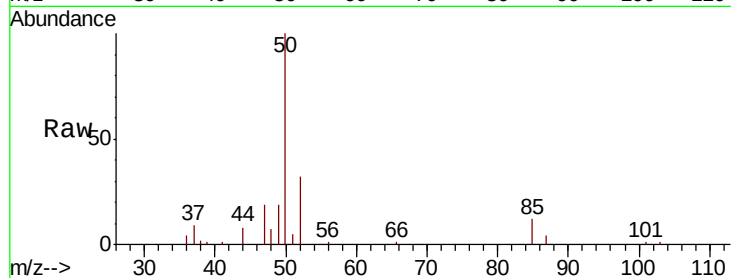
52 32.3 24.2 36.2

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#4

Vinyl Chloride

Concen: 88.35 ug/l

RT: 1.17 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF059957.D

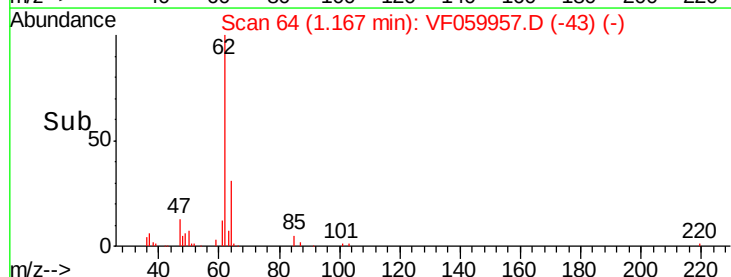
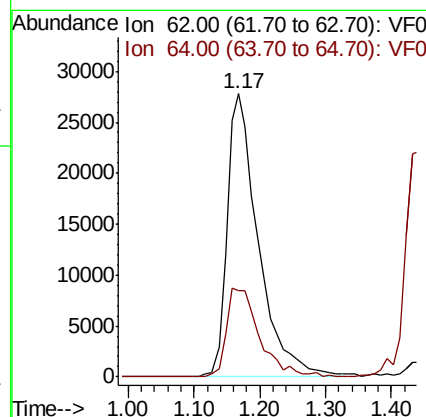
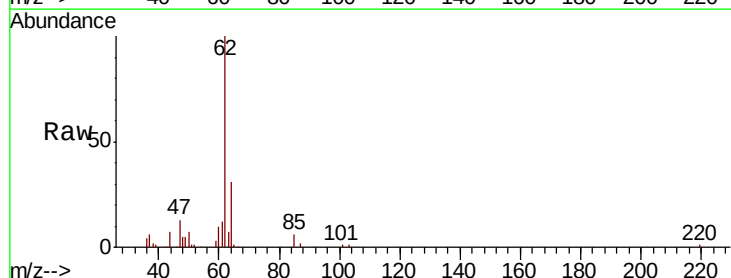
Acq: 14 Aug 2018 21:00

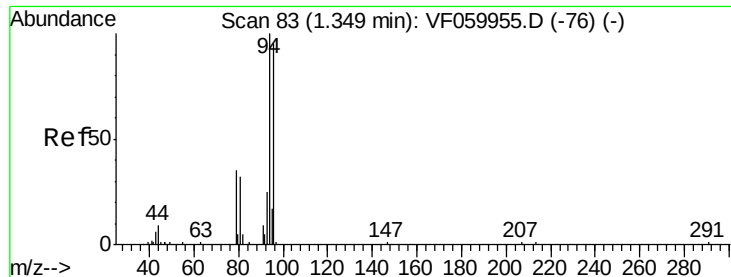
Tgt Ion: 62 Resp: 91901

Ion Ratio Lower Upper

62 100

64 30.5 24.7 37.1





#5

Bromomethane

Concen: 77.55 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 75597

Ion Ratio Lower Upper

94 100

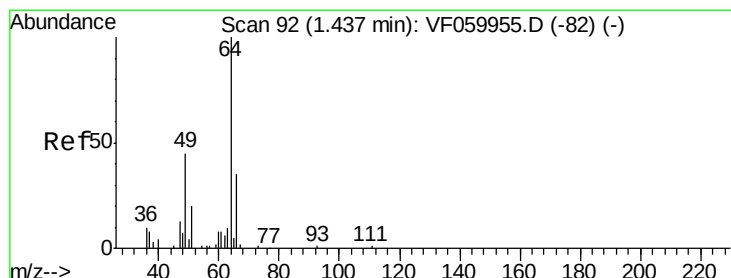
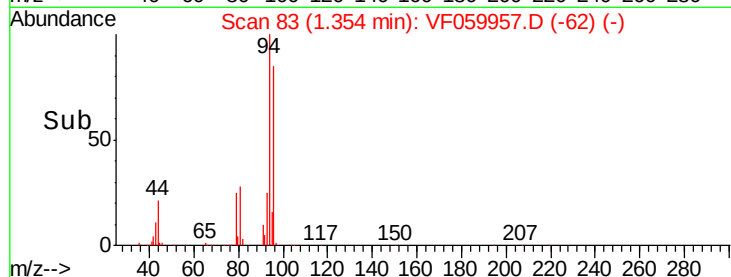
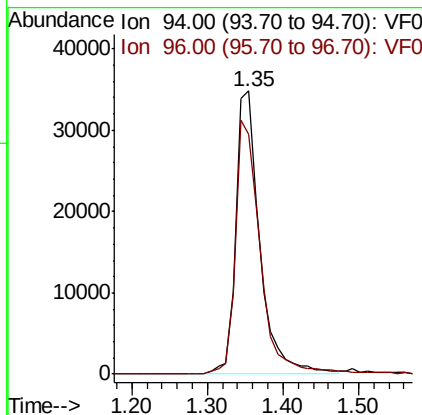
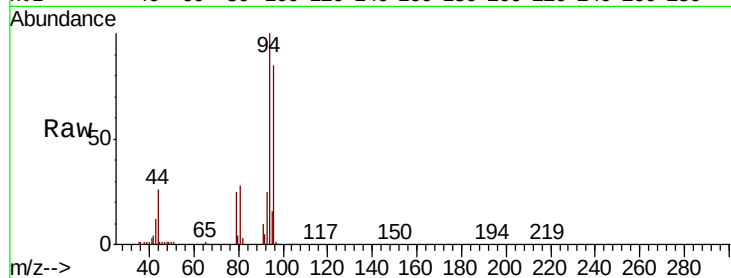
96 84.9 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 93.21 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF059957.D

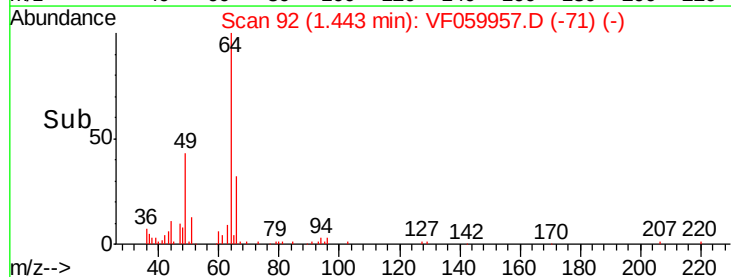
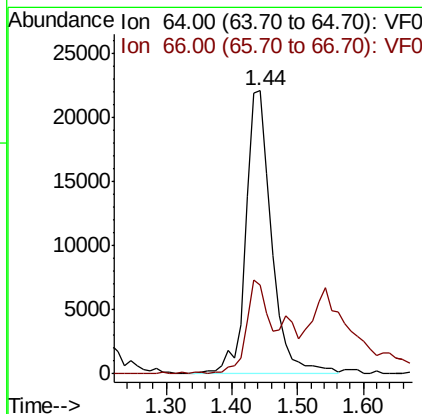
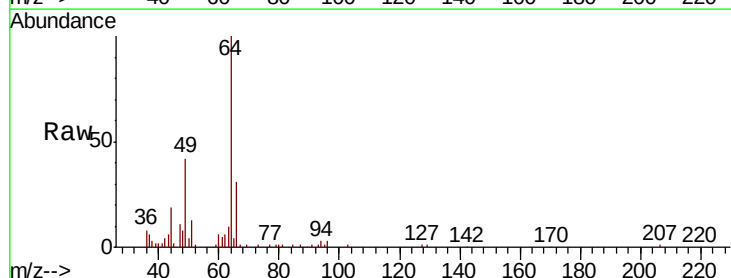
Acq: 14 Aug 2018 21:00

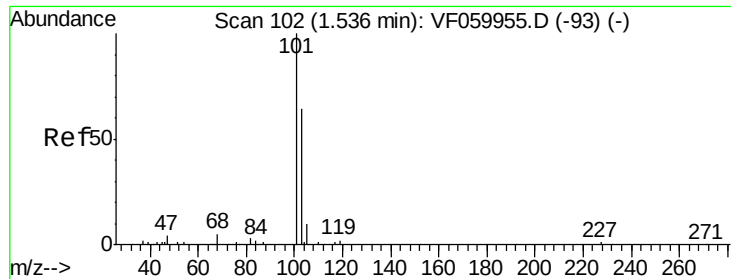
Tgt Ion: 64 Resp: 60756

Ion Ratio Lower Upper

64 100

66 31.5 28.2 42.2





#7

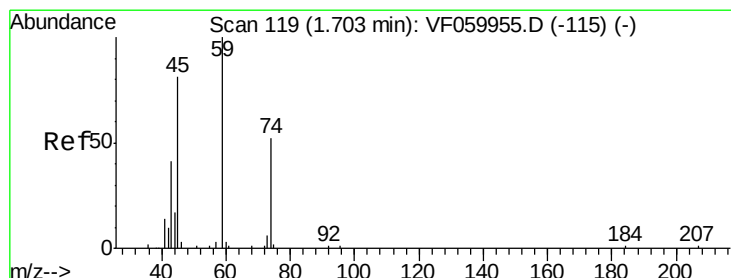
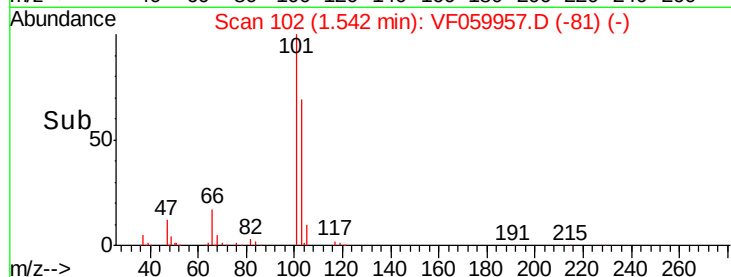
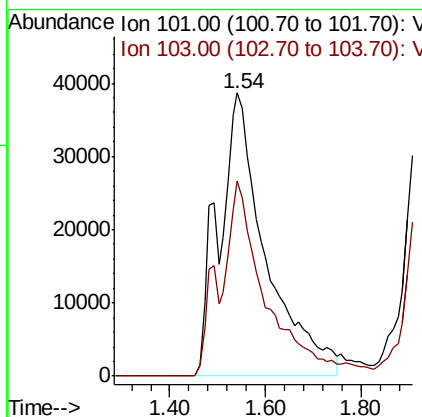
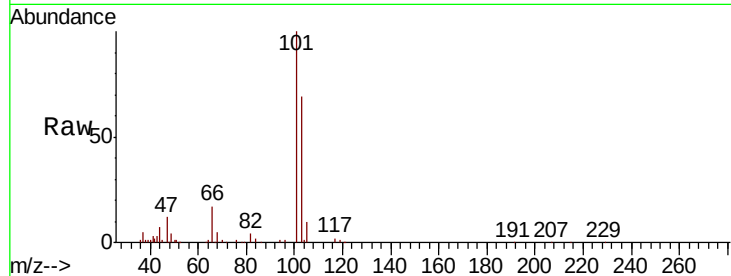
Trichlorofluoromethane
 Concen: 91.71 ug/l m
 RT: 1.54 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.0	51.6	77.4

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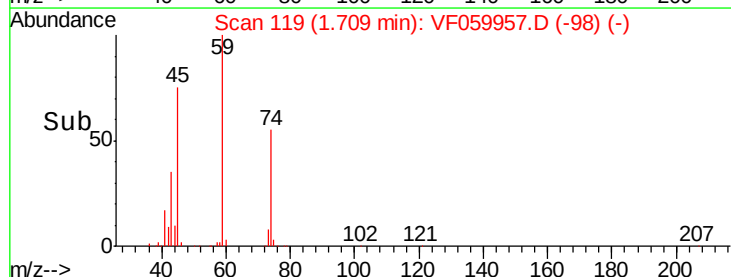
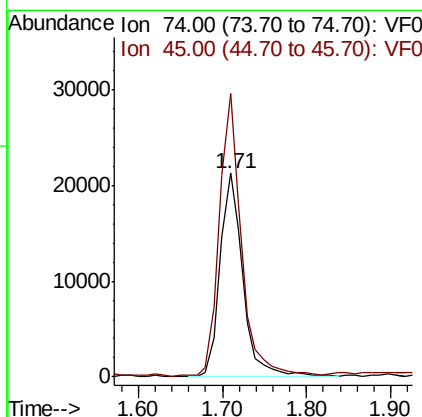
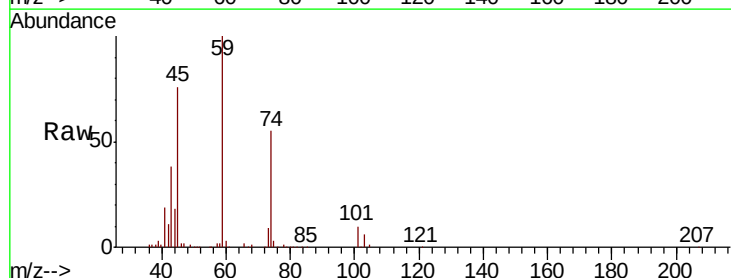
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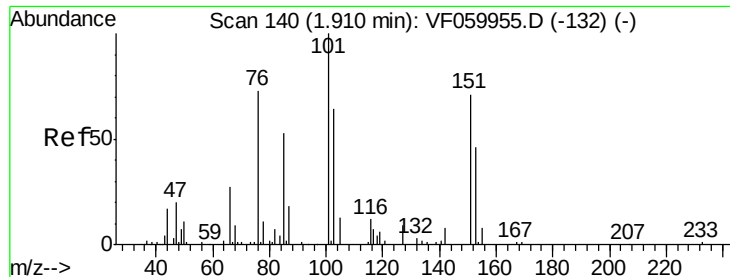


#8

Diethyl Ether
 Concen: 89.46 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.8	77.5	232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 80.02 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

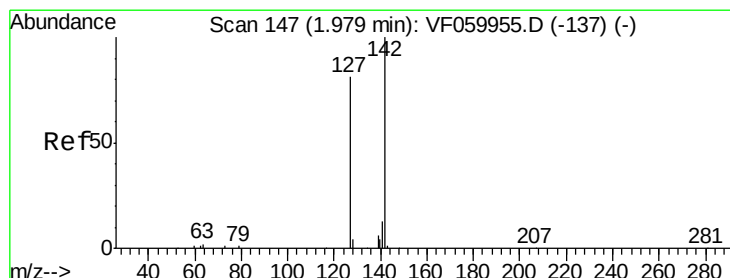
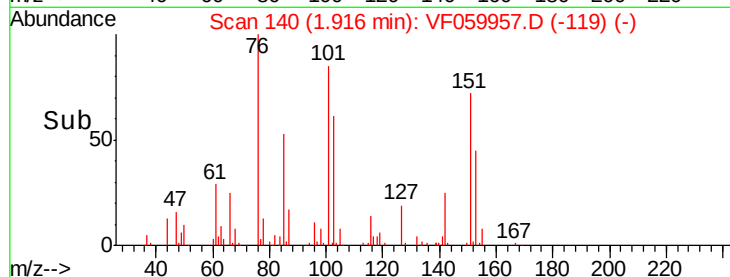
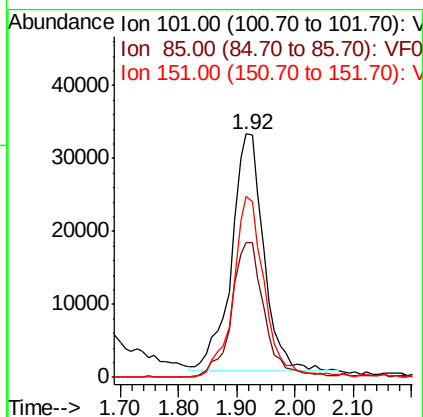
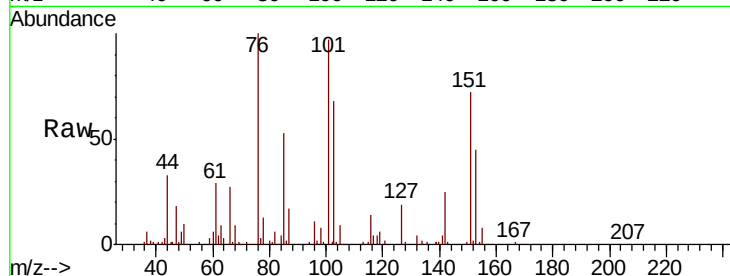
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	125221
Ion Ratio	Lower	Upper	
101	100		
85	55.3	42.1	63.1
151	74.3	55.4	83.0

Manual Integrations
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#10

Methyl Iodide

Concen: 86.85 ug/l m

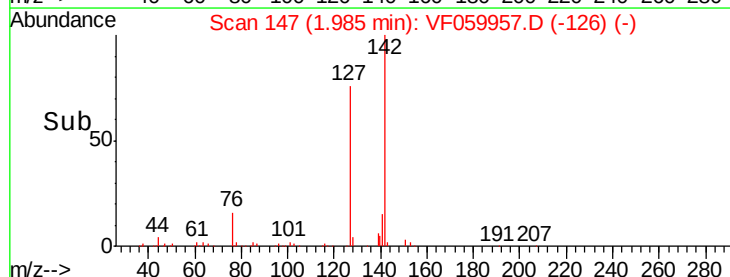
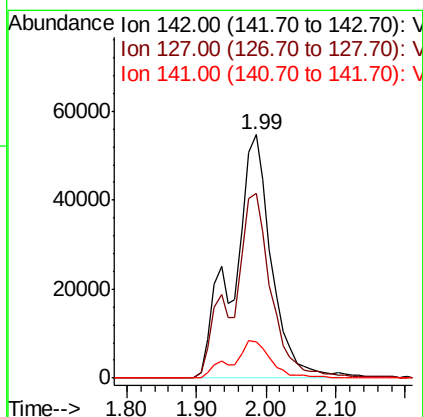
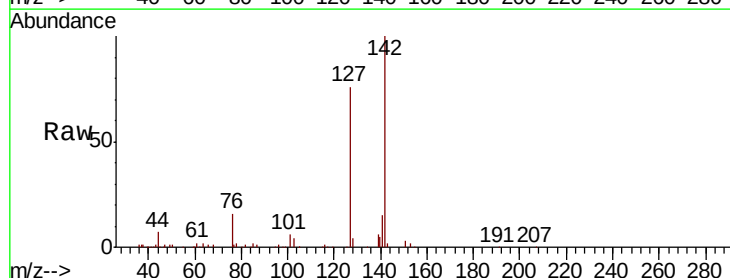
RT: 1.99 min Scan# 147

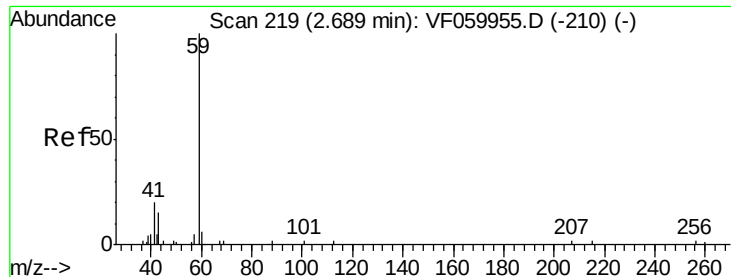
Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion:	142	Resp:	207993
Ion Ratio	Lower	Upper	
142	100		
127	75.9	64.5	96.7
141	15.0	10.8	16.2





#11

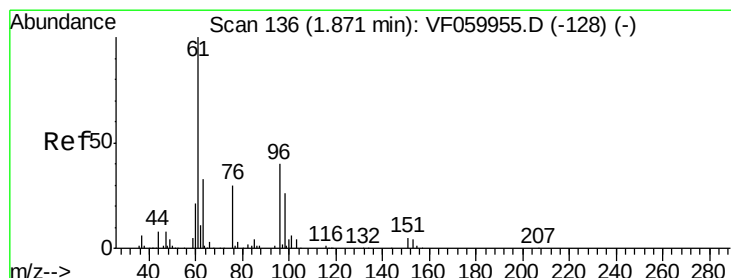
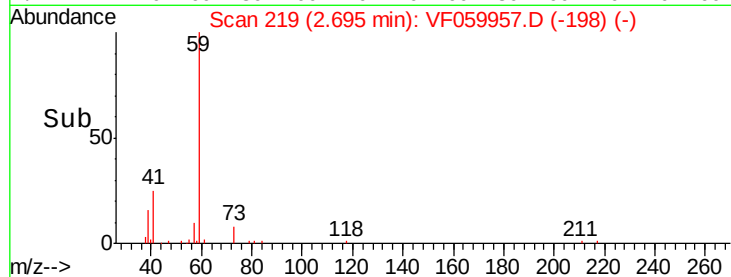
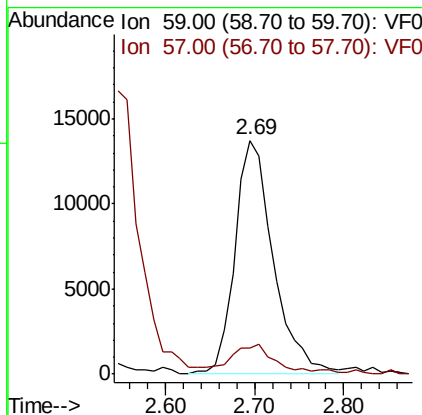
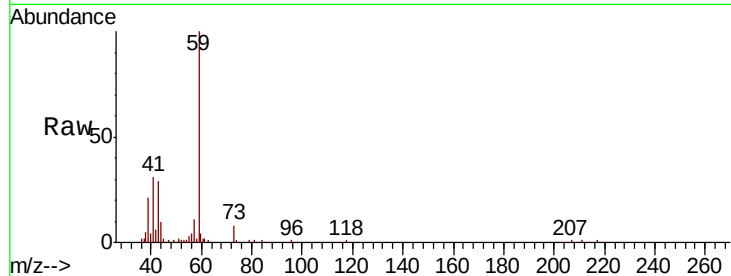
Tert butyl alcohol
 Concen: 432.42 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	59	Resp	41366
Ion Ratio	100	Lower	Upper
59	100		
57	11.3	12.0	18.0#

Manual Integrations
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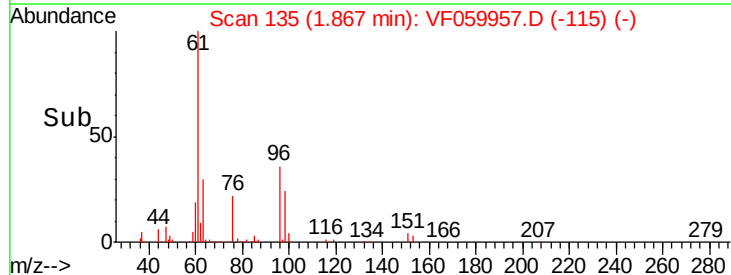
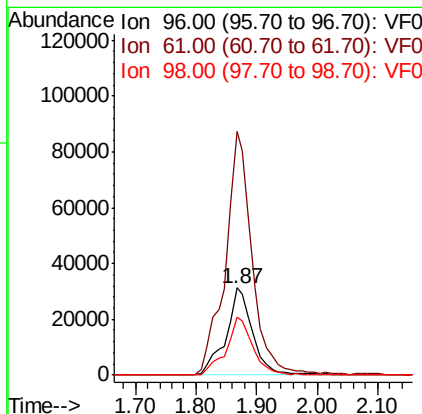
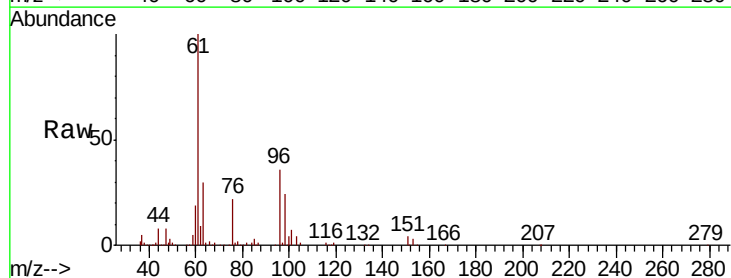
apatel
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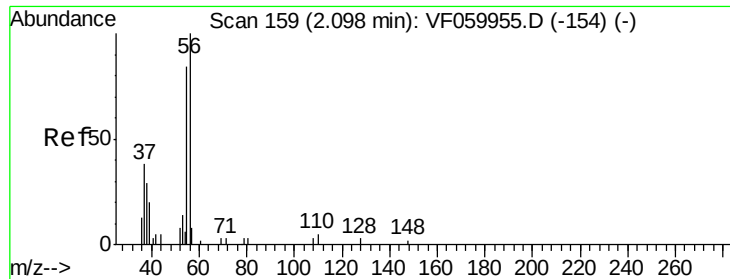


#12

1,1-Dichloroethene
 Concen: 83.98 ug/l
 RT: 1.87 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion	96	Resp	96271
Ion Ratio	100	Lower	Upper
96	100		
61	279.3	201.0	301.4
98	67.1	51.9	77.9





#13

Acrolein

Concen: 482.39 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 27424

Ion Ratio Lower Upper

56 100

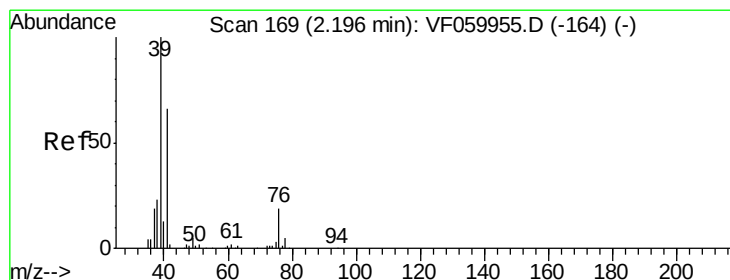
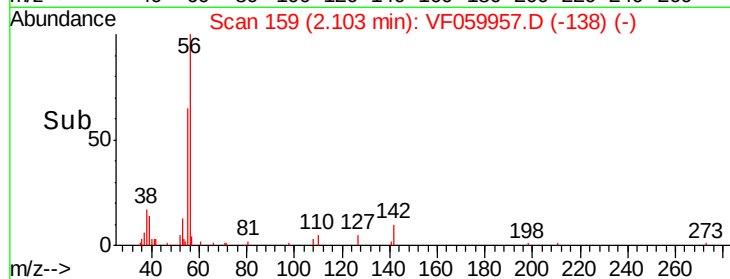
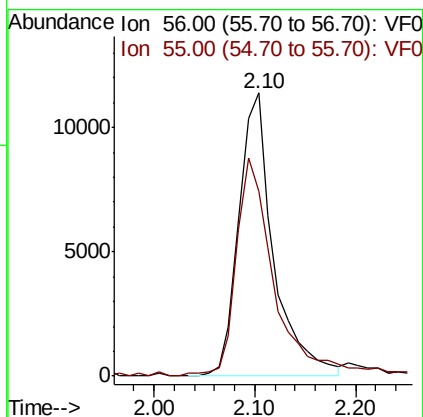
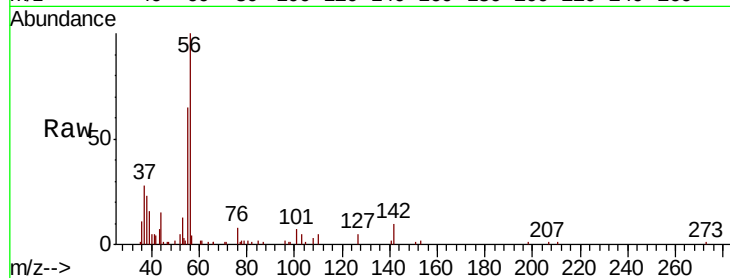
55 65.2 67.4 101.2#

Manual Integrations

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#14

Allyl chloride

Concen: 74.57 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

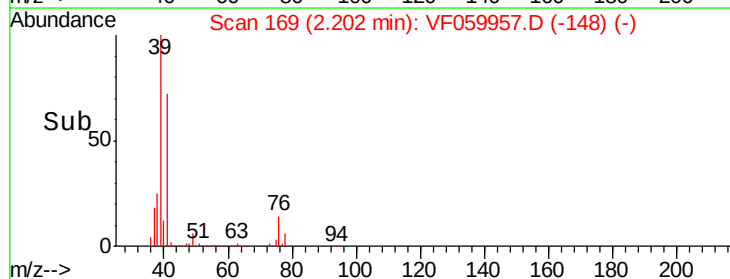
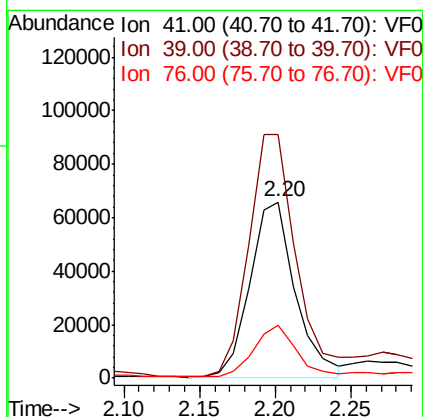
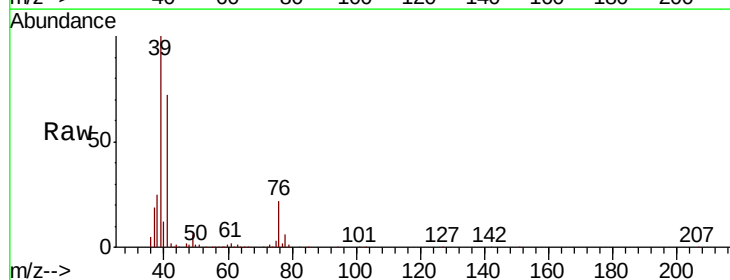
Tgt Ion: 41 Resp: 137218

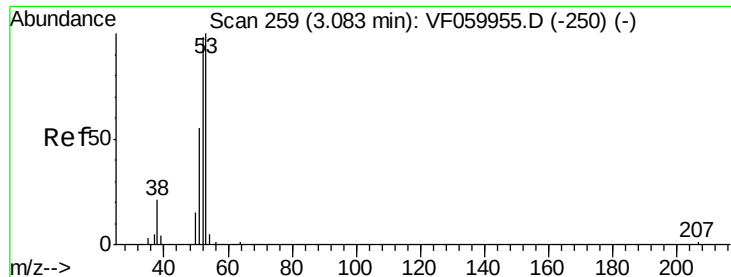
Ion Ratio Lower Upper

41 100

39 138.3 121.0 181.4

76 30.0 23.6 35.4





#15

Acrylonitrile

Concen: 390.72 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

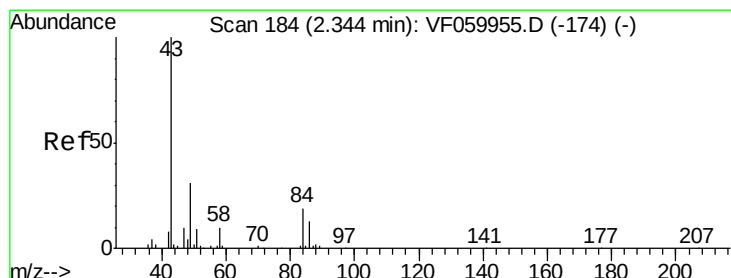
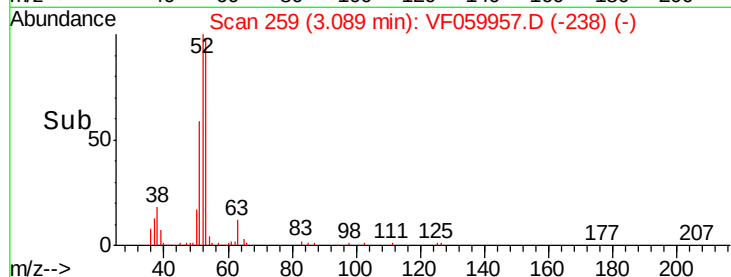
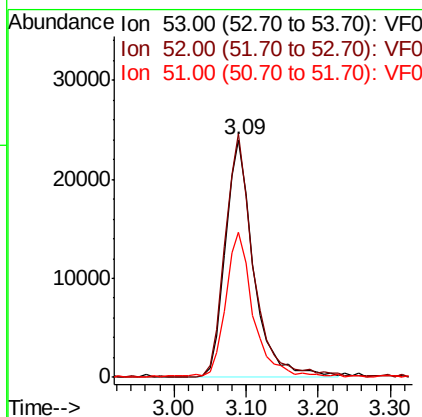
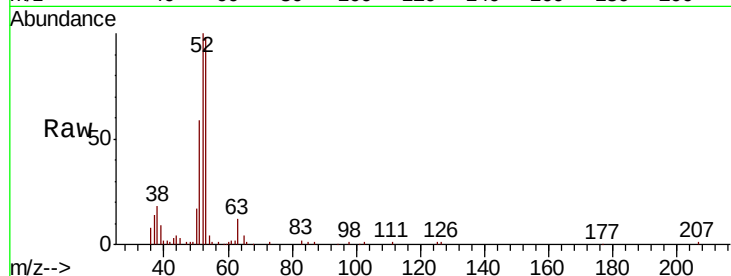
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	65287
Ion	Ratio	Lower	Upper
53	100		
52	102.5	78.1	117.1
51	60.9	44.2	66.4

Manual Integrations
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#16

Acetone

Concen: 449.18 ug/l

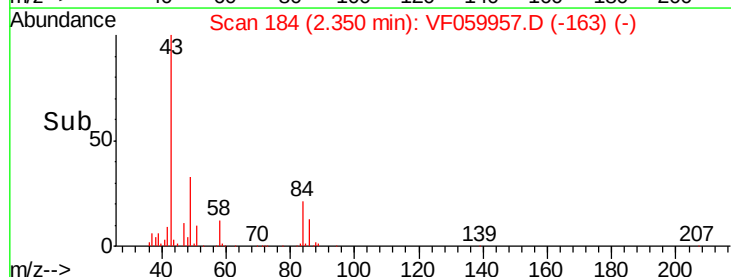
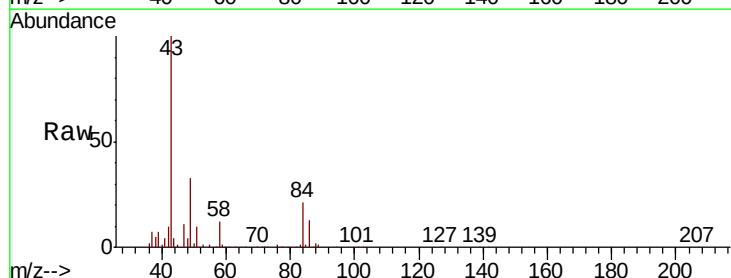
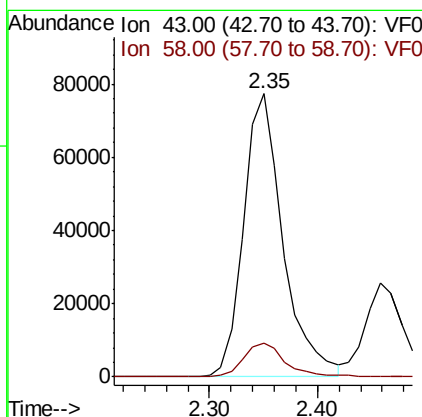
RT: 2.35 min Scan# 184

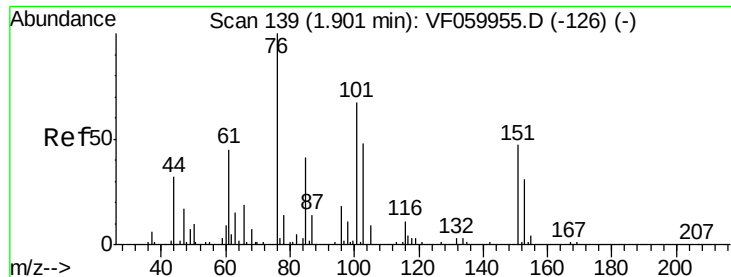
Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion:	43	Resp:	194868
Ion	Ratio	Lower	Upper
43	100		
58	11.9	8.1	12.1





#17

Carbon Disulfide

Concen: 83.54 ug/l m

RT: 1.90 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 251820

Ion Ratio Lower Upper

76 100

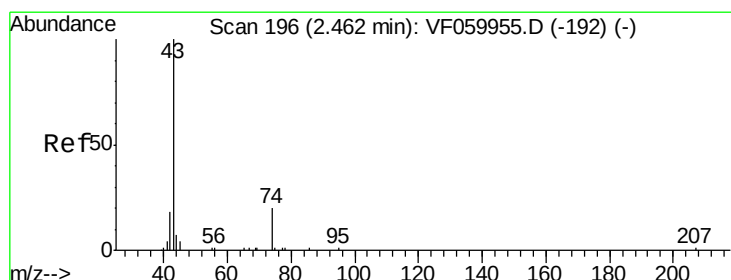
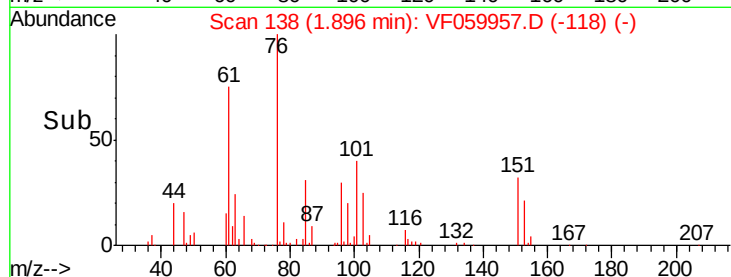
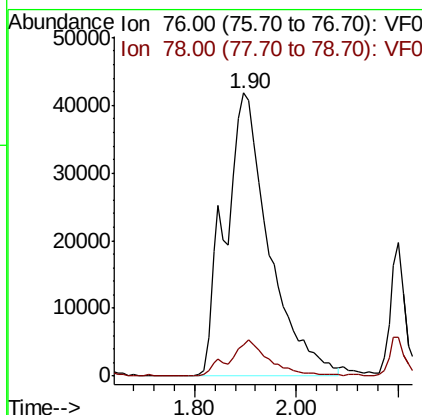
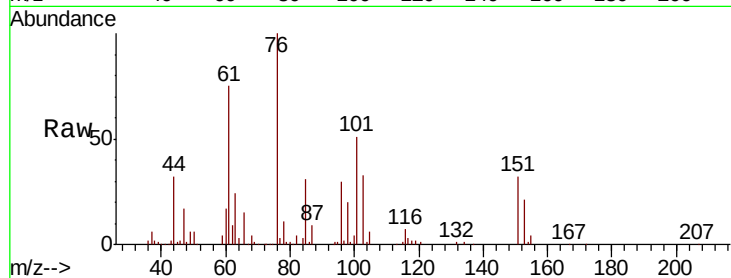
78 11.2 11.4 17.0#

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#18

Methyl Acetate

Concen: 81.46 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF059957.D

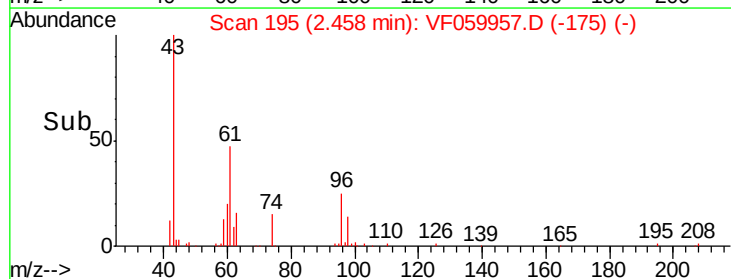
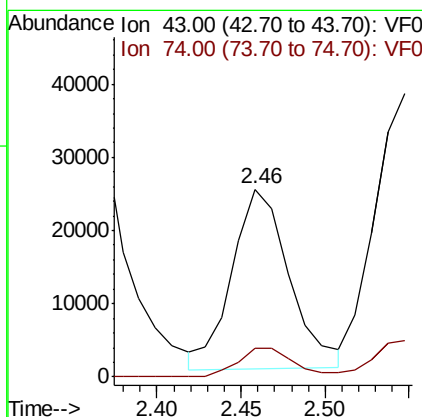
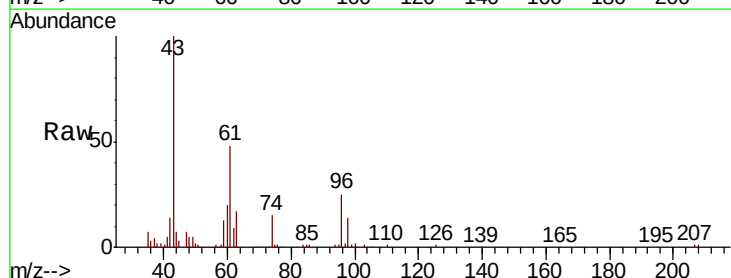
Acq: 14 Aug 2018 21:00

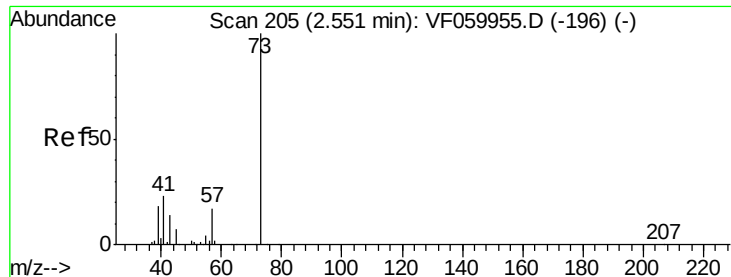
Tgt Ion: 43 Resp: 58160

Ion Ratio Lower Upper

43 100

74 15.1 14.3 21.5





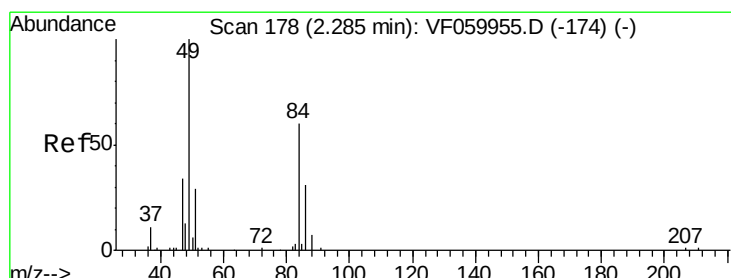
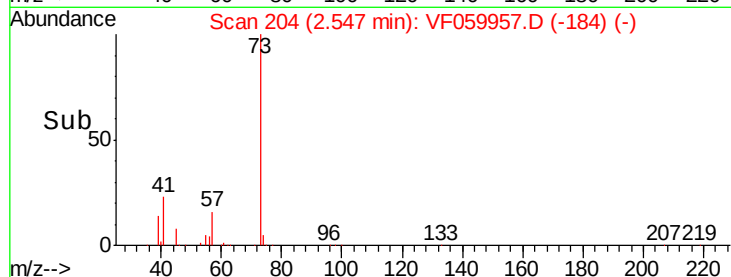
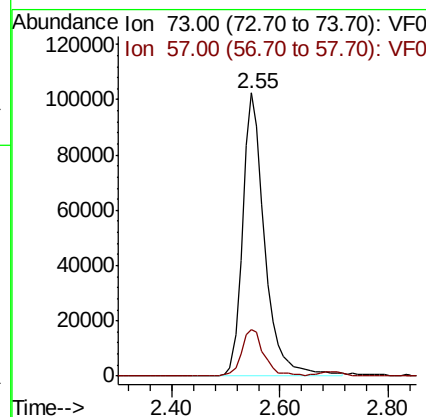
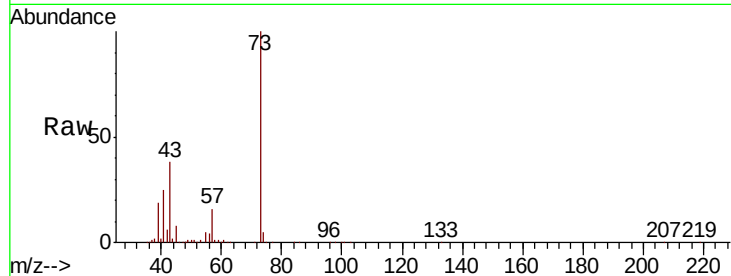
#19
Methyl tert-butyl Ether
Concen: 90.01 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.2	14.0	21.0

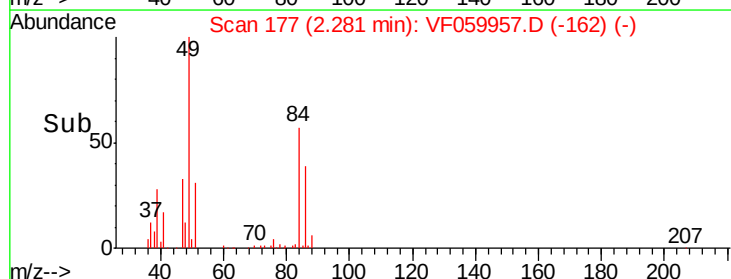
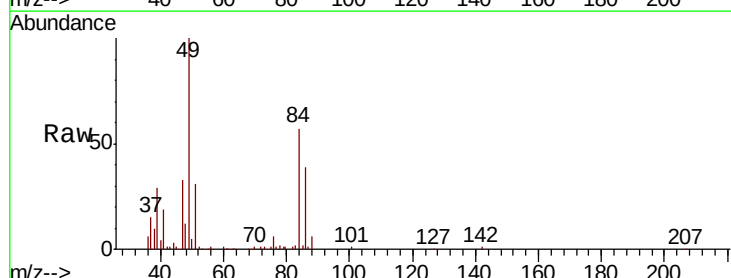
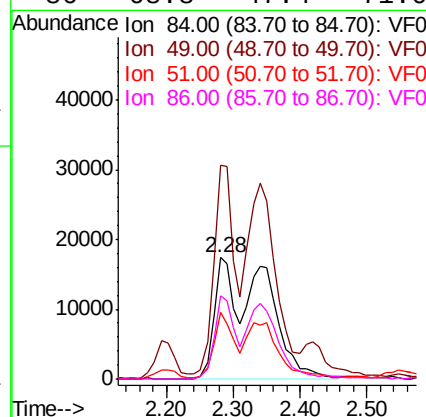
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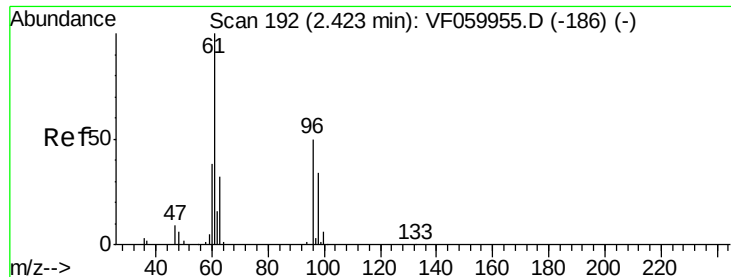
apatel
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#20
Methylene Chloride
Concen: 94.26 ug/l m
RT: 2.28 min Scan# 177
Delta R.T. -0.05 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	175.7	138.6	207.8
51	54.7	40.2	60.4
86	68.8	47.4	71.0





#21

trans-1,2-Dichloroethene

Concen: 84.00 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

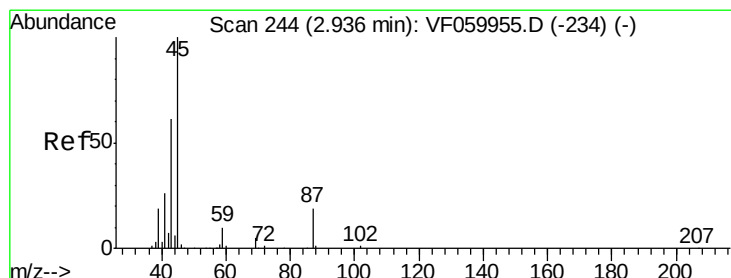
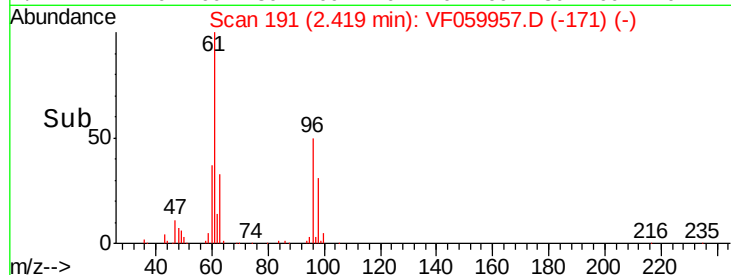
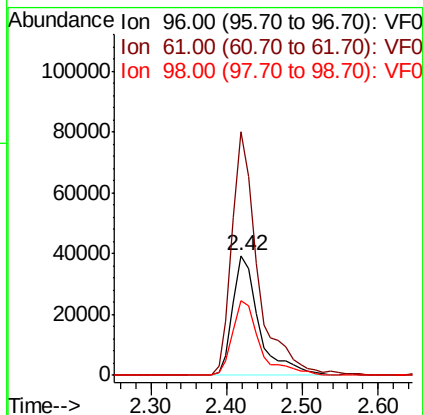
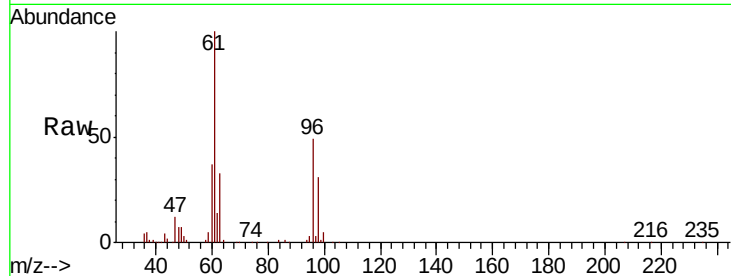
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	95183
Ion	Ratio	Lower	Upper
96	100		
61	202.8	159.5	239.3
98	62.3	53.8	80.6

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#22

Diisopropyl ether

Concen: 91.27 ug/l

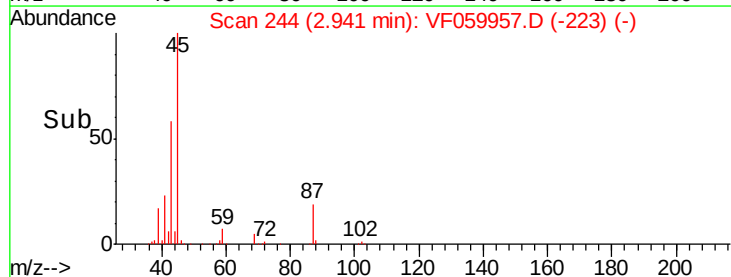
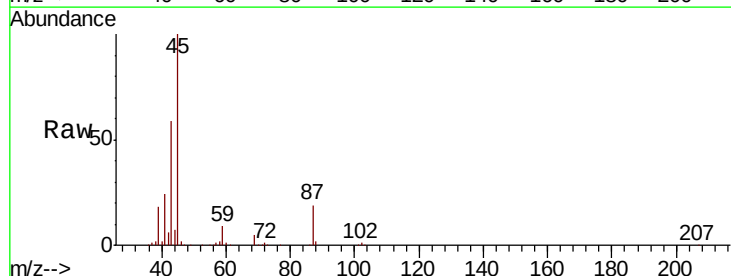
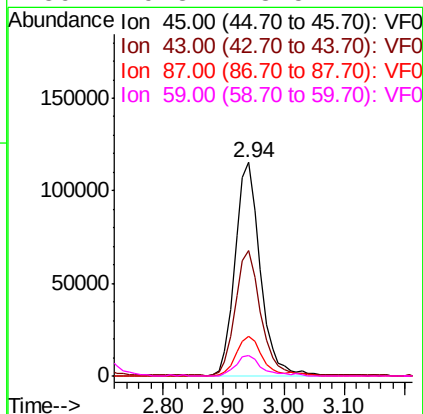
RT: 2.94 min Scan# 244

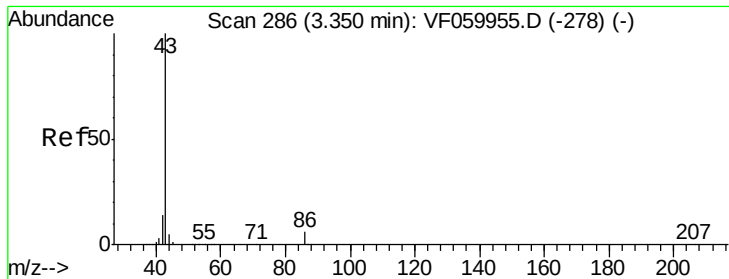
Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion:	45	Resp:	335177
Ion	Ratio	Lower	Upper
45	100		
43	58.5	48.7	73.1
87	18.5	15.3	22.9
59	9.3	8.5	12.7





#23

Vinyl Acetate

Concen: 472.61 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 844929

Ion Ratio Lower Upper

43 100

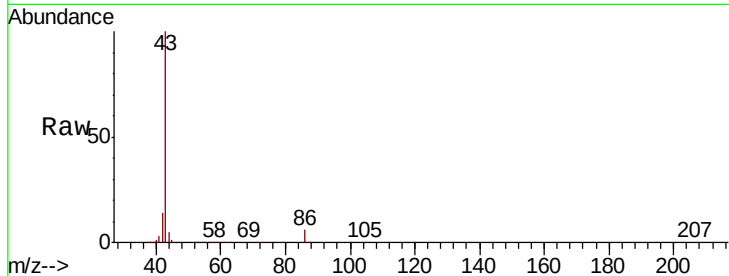
86 6.1 4.9 7.3

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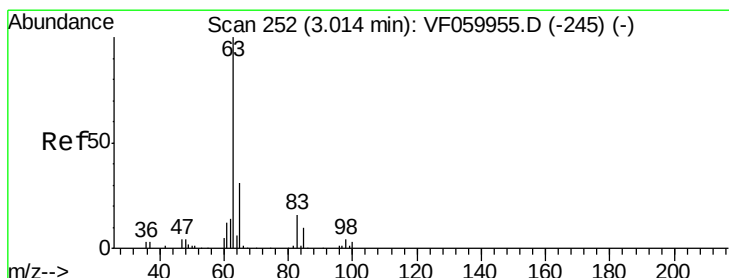
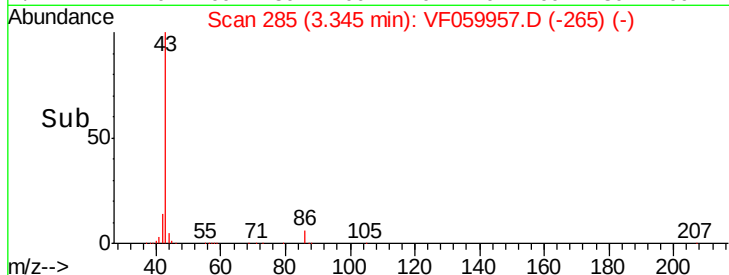
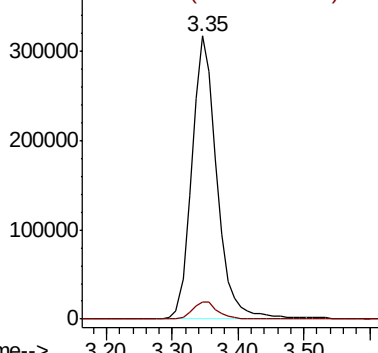
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 82.92 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

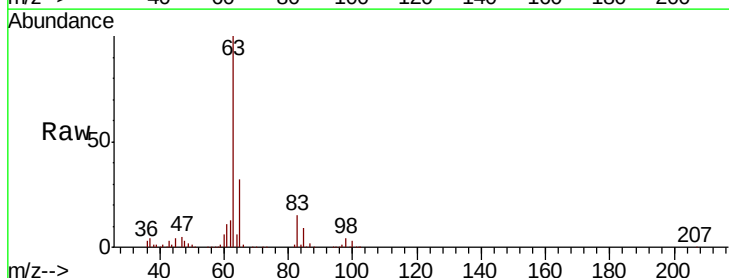
Tgt Ion: 63 Resp: 221189

Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.2

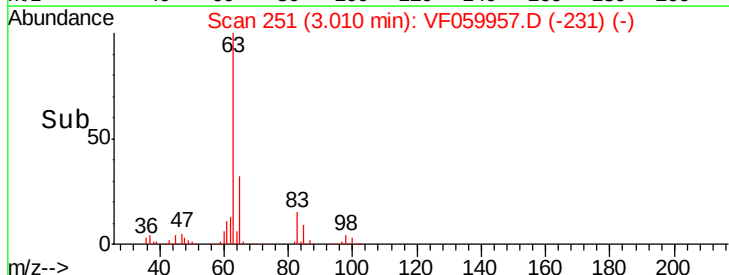
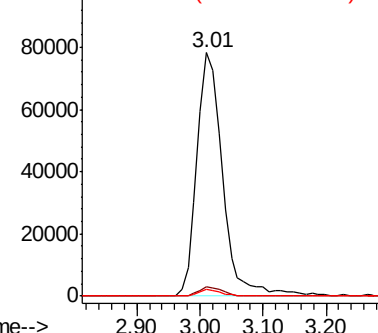
100 2.6 1.7 5.1

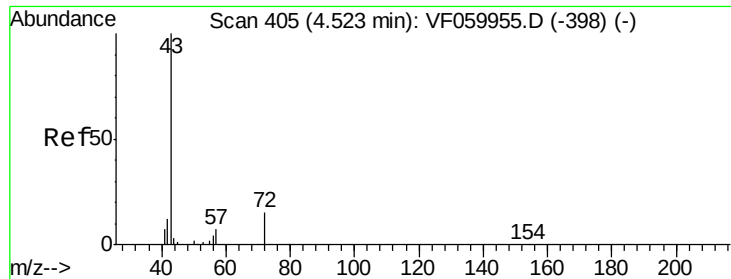


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 466.88 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tot Ion: 43 Resp: 217362

Ion Ratio Lower Upper

43 100

72 16.8 14.6 22.0

Instrument :

MSVOA_F

ClientSampleId :

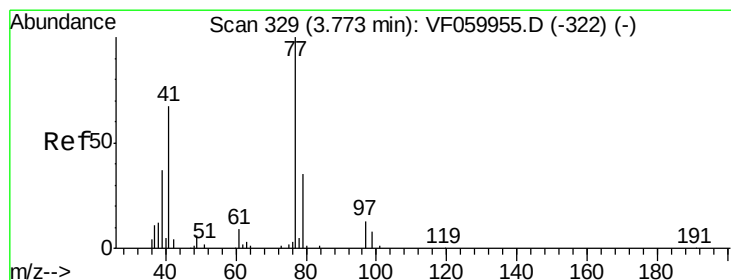
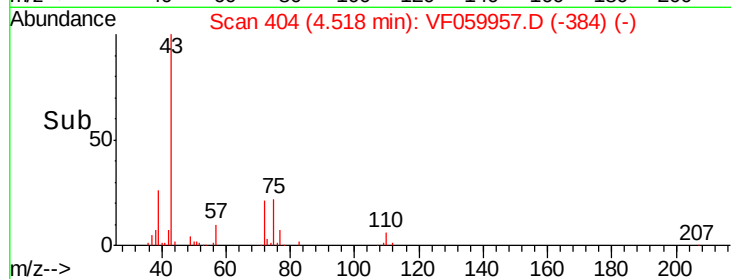
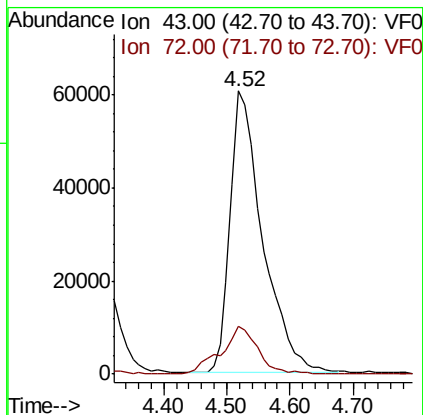
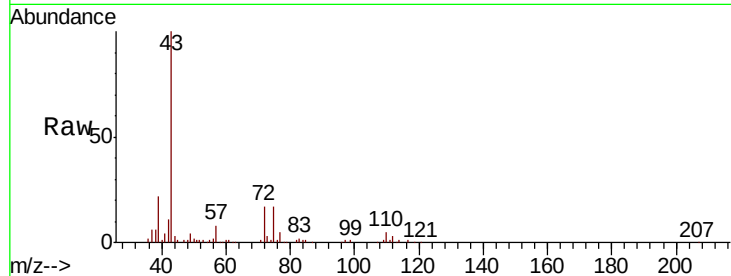
VSTDIC100

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#26

2,2-Dichloropropane

Concen: 88.88 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF059957.D

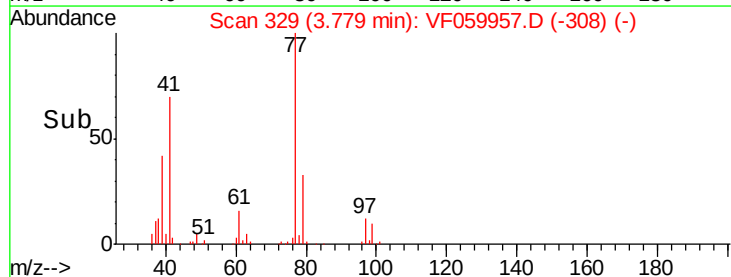
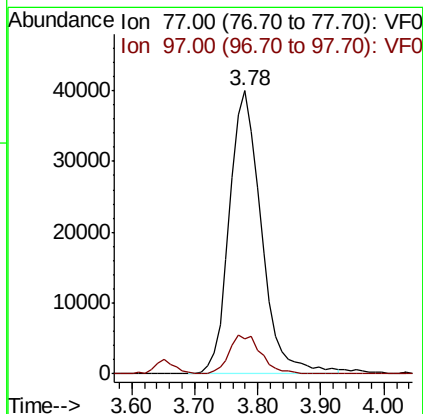
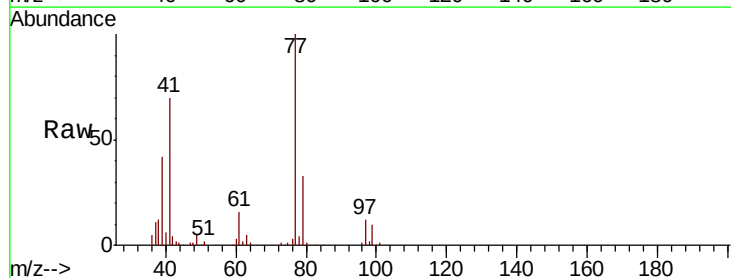
Acq: 14 Aug 2018 21:00

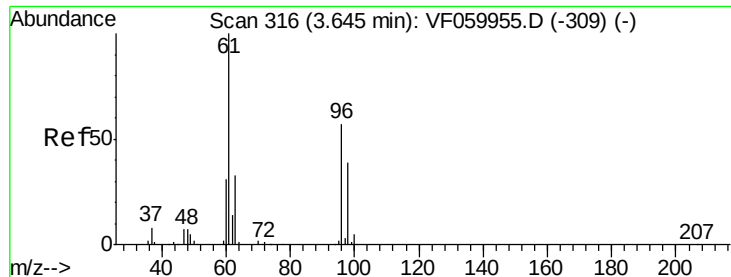
Tgt Ion: 77 Resp: 140822

Ion Ratio Lower Upper

77 100

97 12.4 6.6 19.7





#27

cis-1,2-Dichloroethene

Concen: 86.99 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

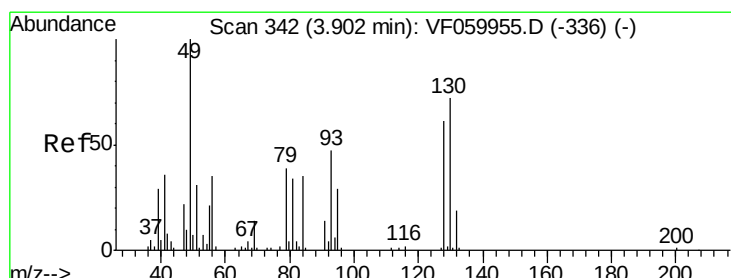
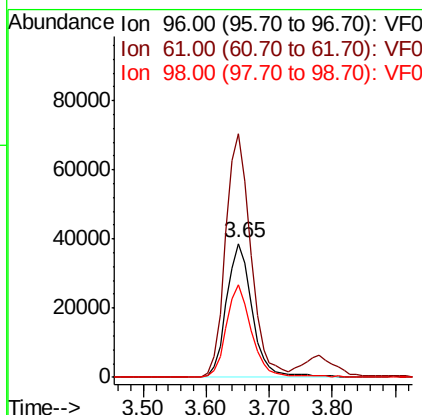
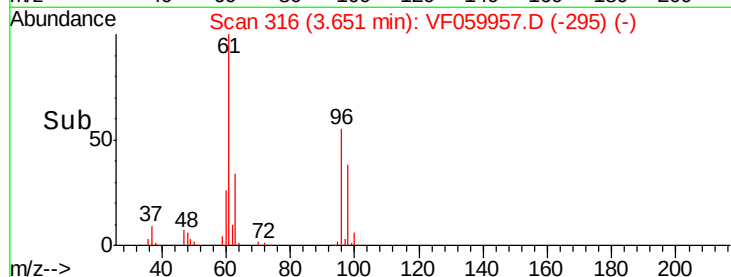
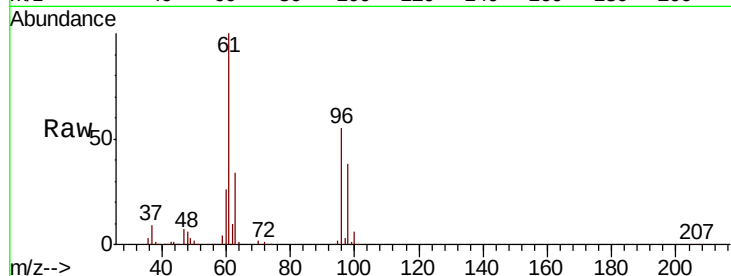
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	109747
Ion Ratio	Lower	Upper	
96	100		
61	181.8	0.0	349.4
98	69.5	0.0	134.6

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#28

Bromochloromethane

Concen: 85.90 ug/l

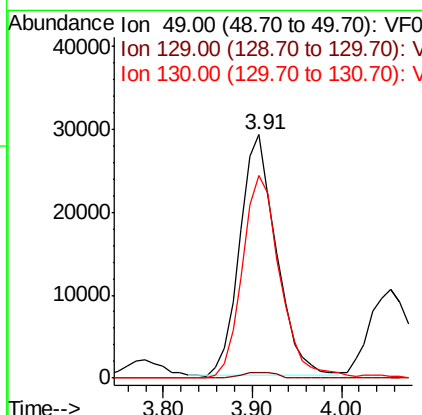
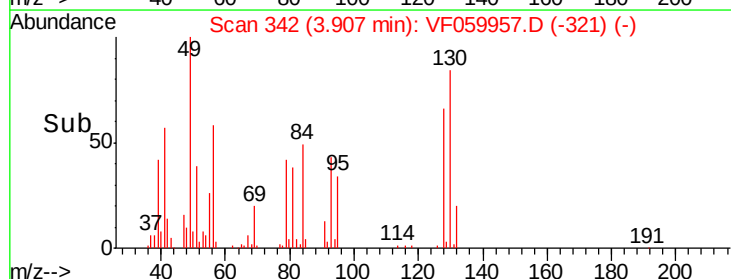
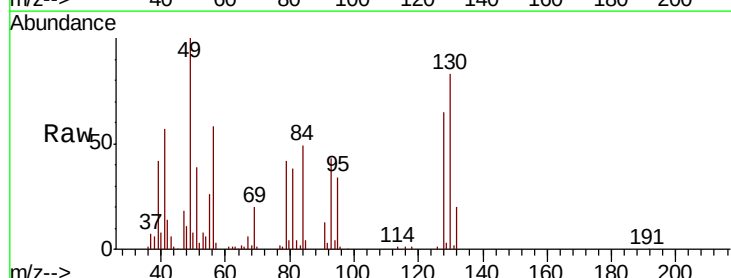
RT: 3.91 min Scan# 342

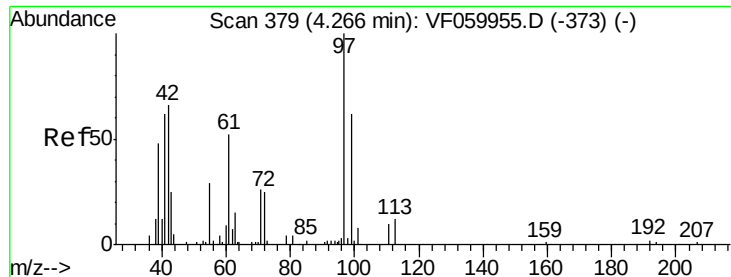
Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion:	49	Resp:	82141
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	4.2
130	83.1	58.1	87.1





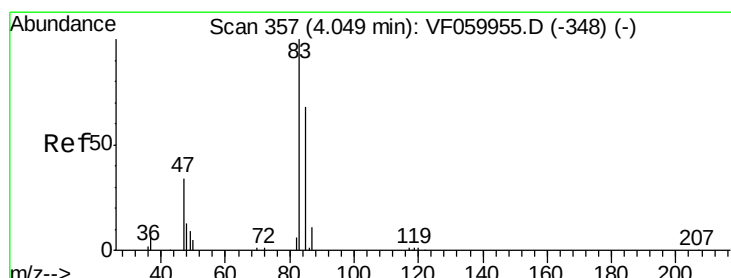
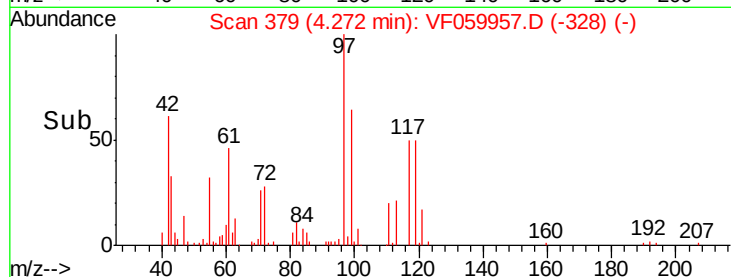
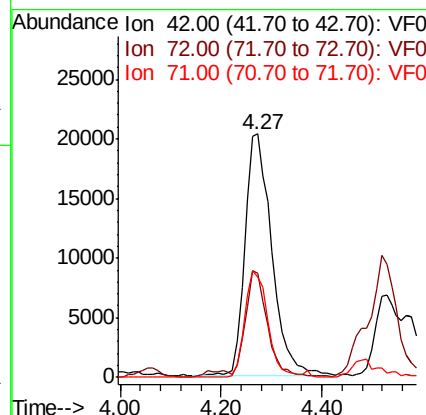
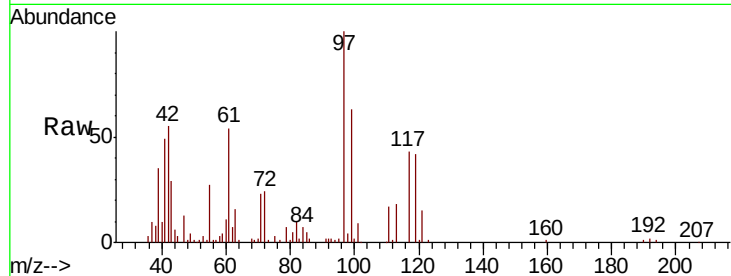
#29
Tetrahydrofuran
Concen: 436.23 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	27.7	41.5
71	37.3	28.2	42.4

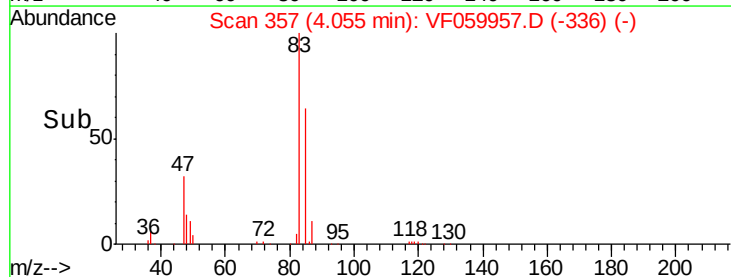
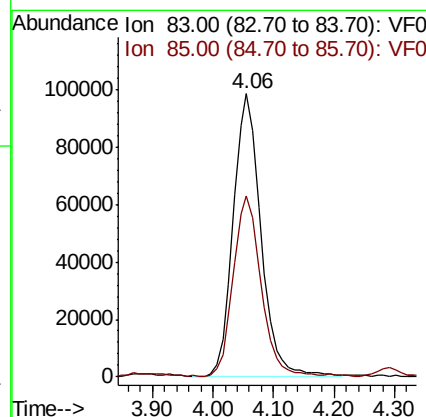
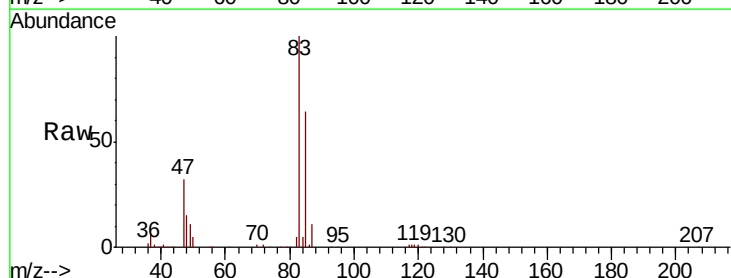
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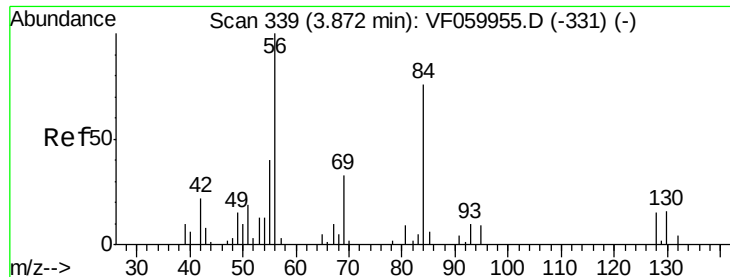
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#30
Chloroform
Concen: 86.97 ug/l
RT: 4.06 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	54.4	81.6





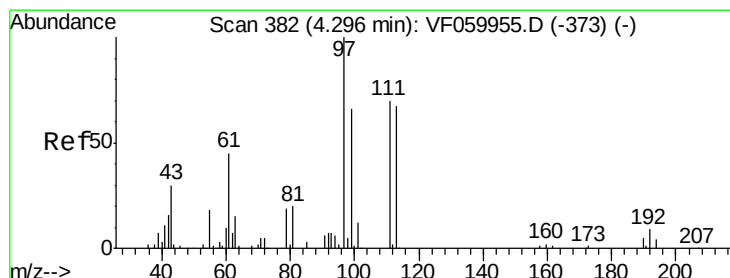
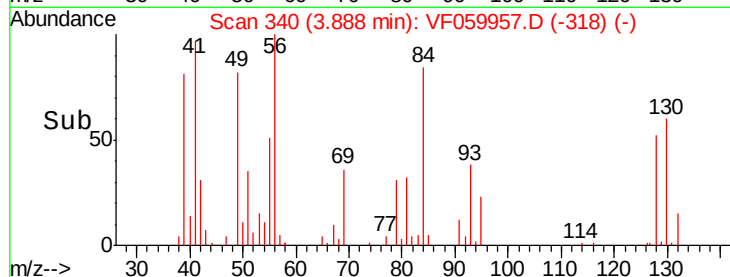
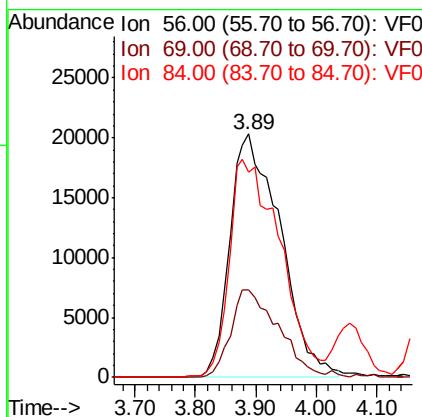
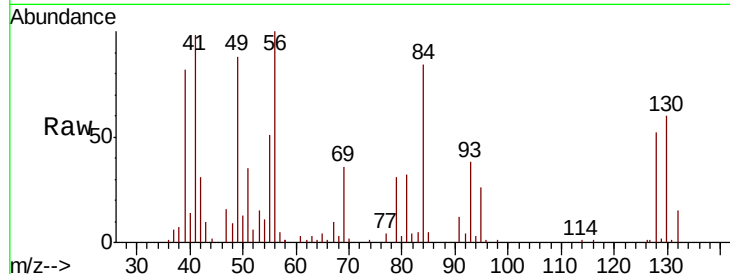
#31
Cyclohexane
Concen: 88.79 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	26.2	39.2
84	84.1	61.0	91.4

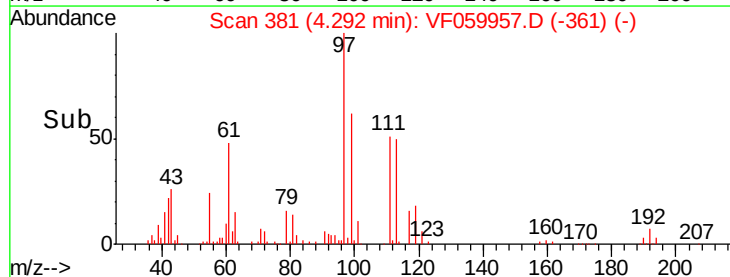
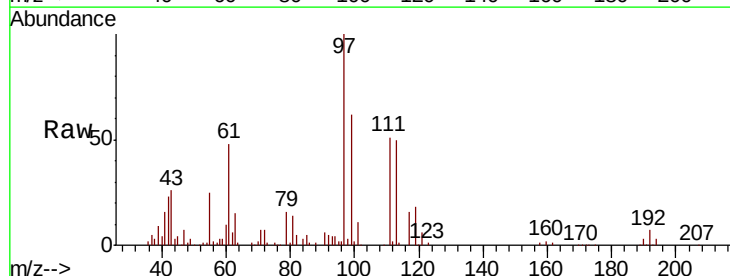
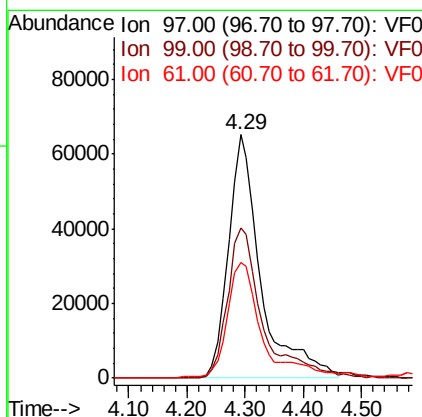
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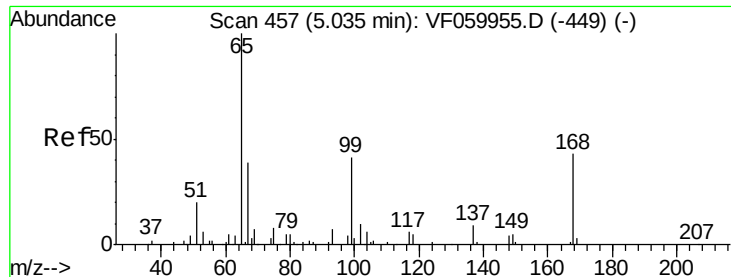
apatel
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#32
1,1,1-Trichloroethane
Concen: 87.31 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	53.0	79.4
61	47.7	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 97.89 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 229411

Ion Ratio Lower Upper

65 100

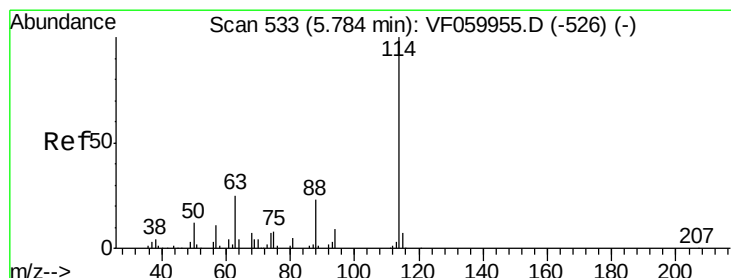
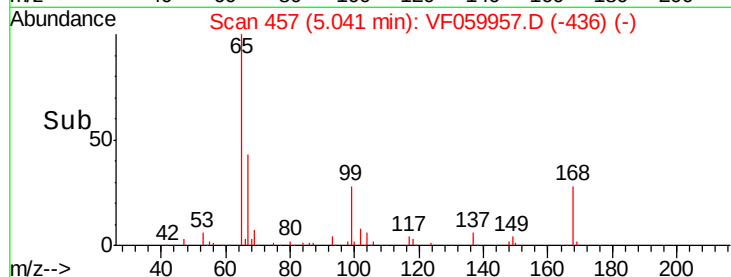
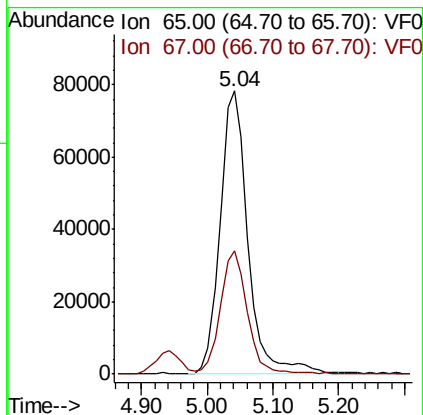
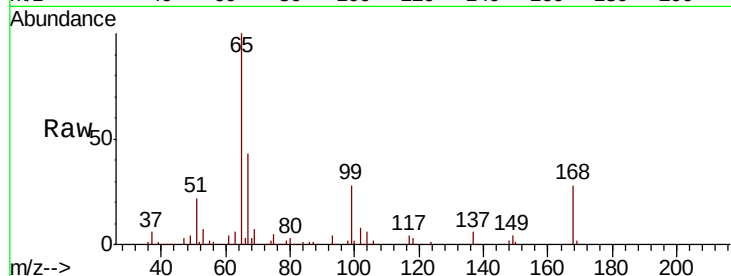
67 43.4 0.0 87.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

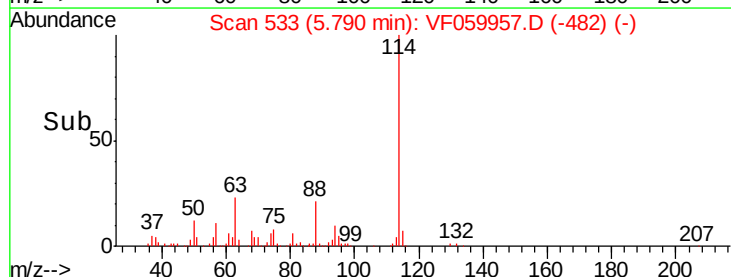
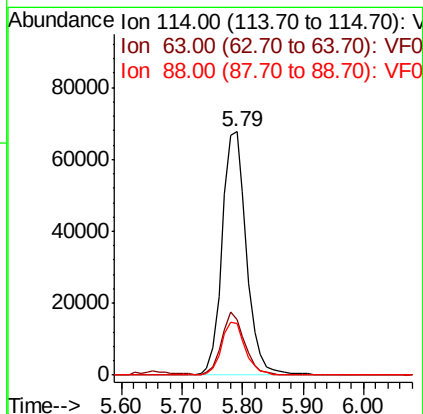
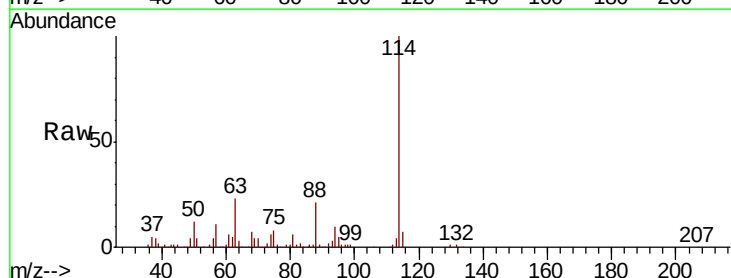
Tgt Ion: 114 Resp: 188618

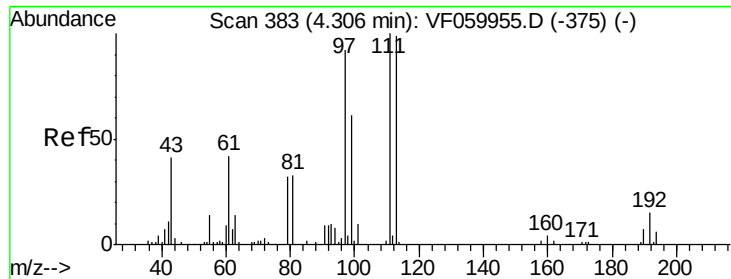
Ion Ratio Lower Upper

114 100

63 22.6 0.0 50.2

88 21.1 0.0 46.8





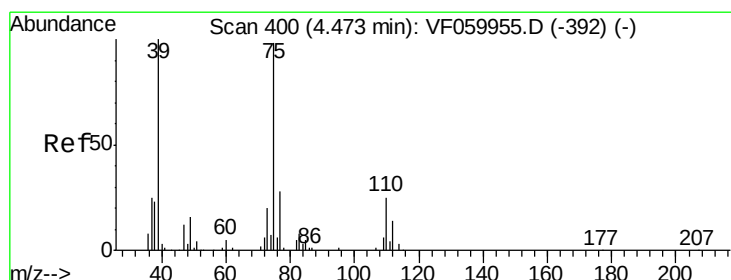
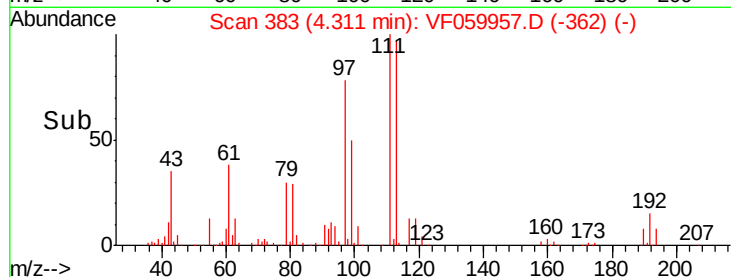
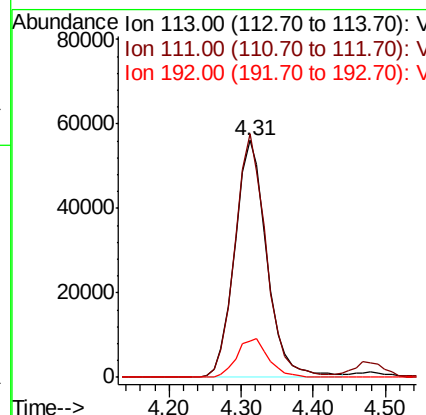
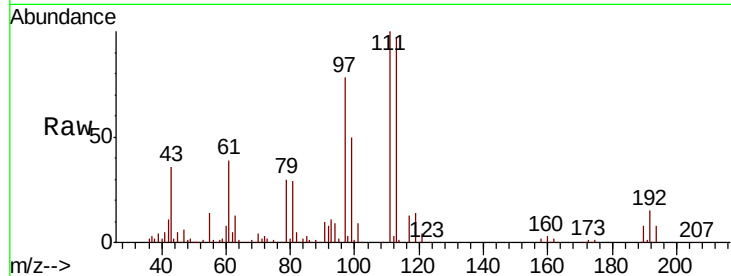
#35
 Dibromofluoromethane
 Concen: 93.41 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	173988		
111	102.8	80.6	121.0	
192	15.4	11.7	17.5	

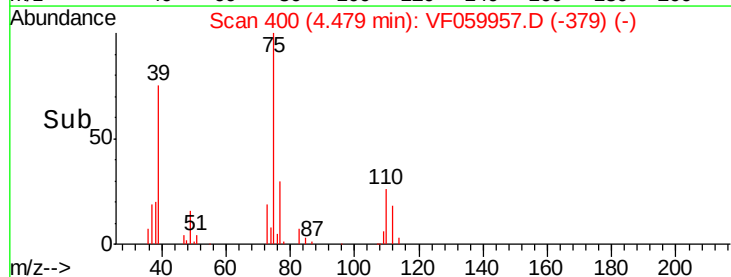
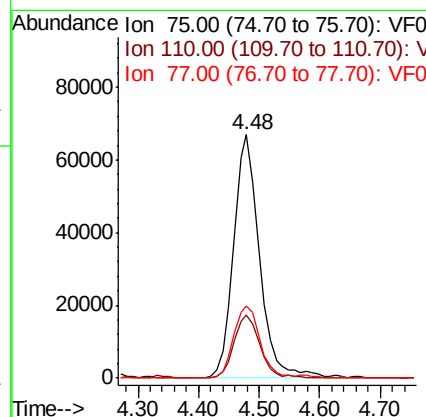
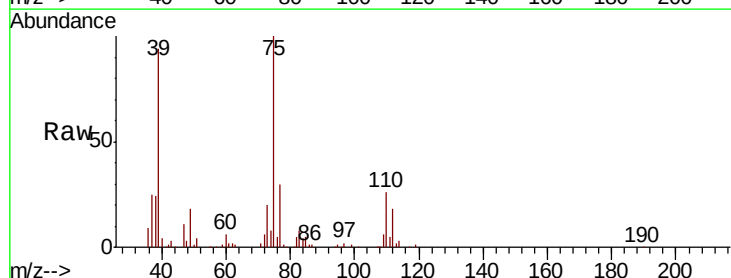
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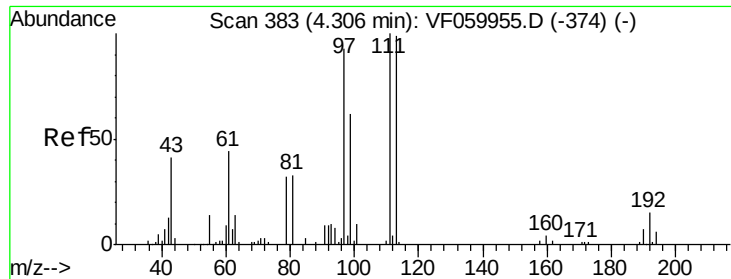
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#36
 1,1-Dichloropropene
 Concen: 93.19 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	199520		
110	26.1	12.6	37.8	
77	29.7	22.7	34.1	





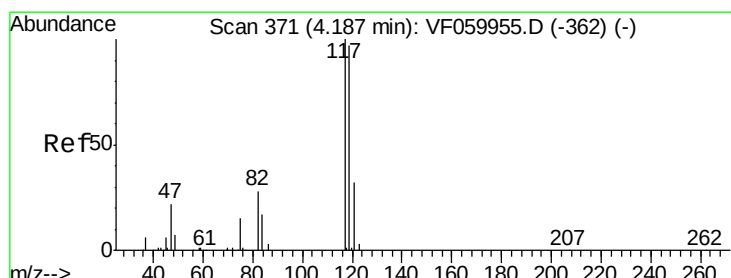
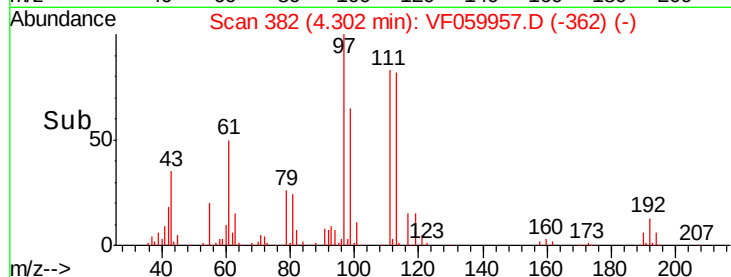
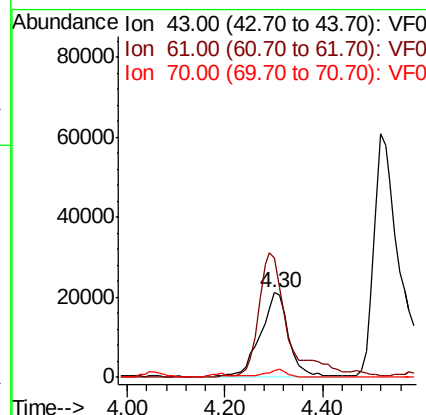
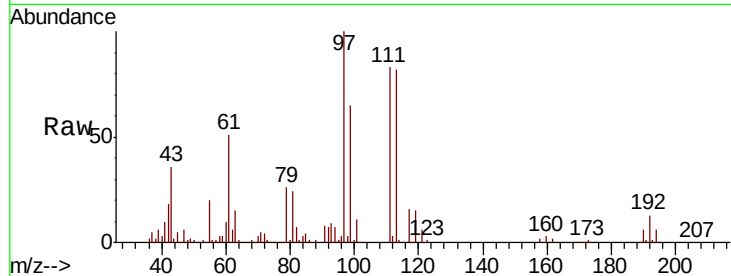
#37
Ethyl Acetate
Concen: 91.60 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	141.5	84.3	126.5			
70	7.6	5.5	8.3			

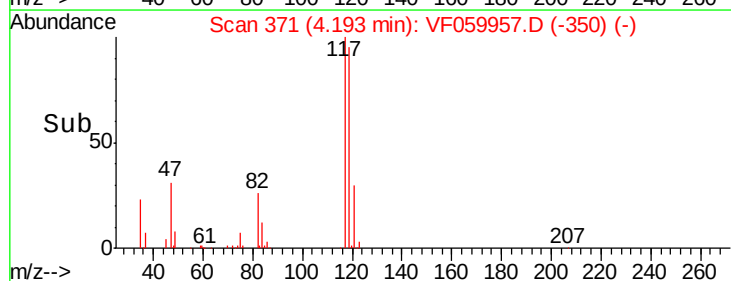
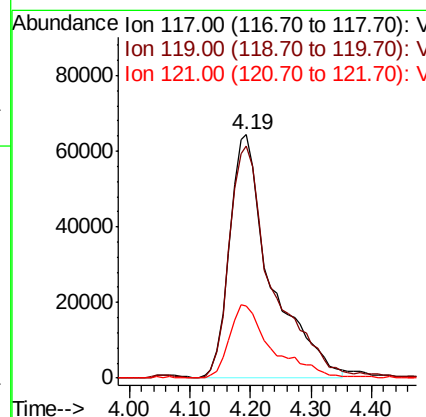
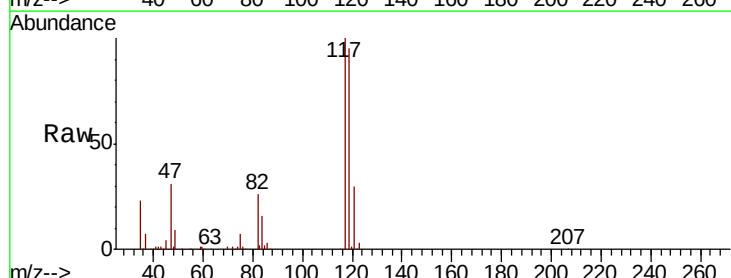
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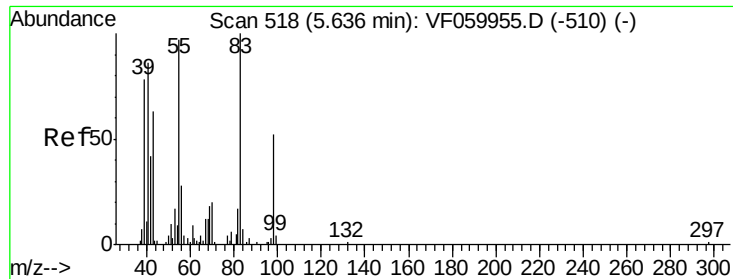
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#38
Carbon Tetrachloride
Concen: 94.83 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	95.1	76.9	115.3			
121	29.7	24.9	37.3			





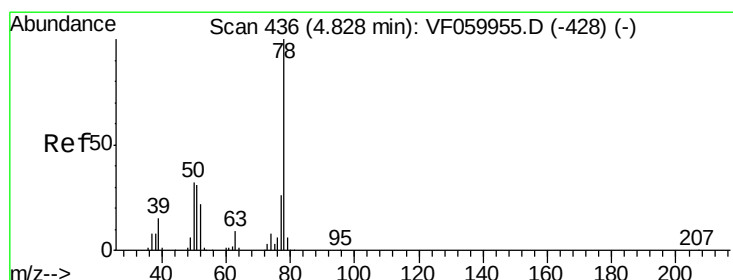
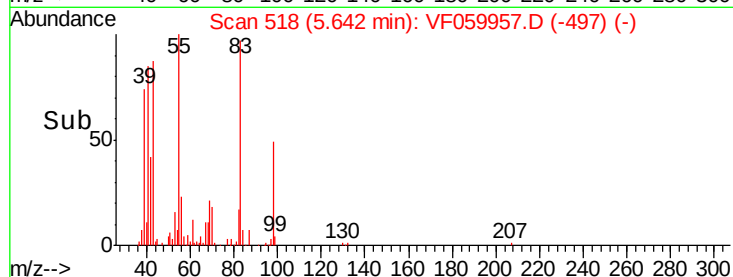
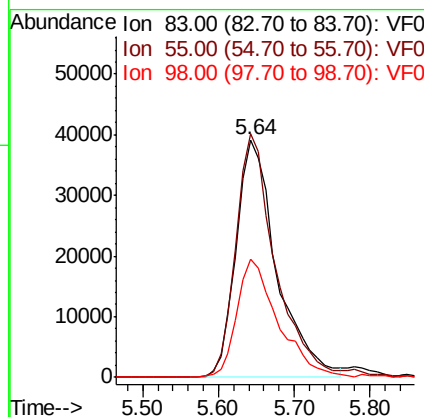
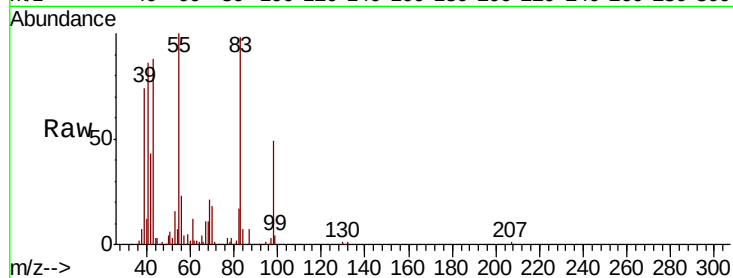
#39
Methylvlcyclohexane
Concen: 91.68 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	102.5	77.4	116.2
98	49.8	41.5	62.3

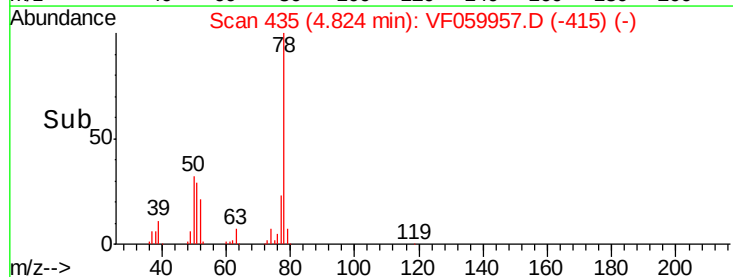
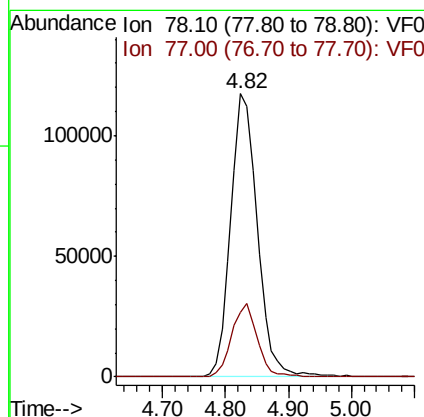
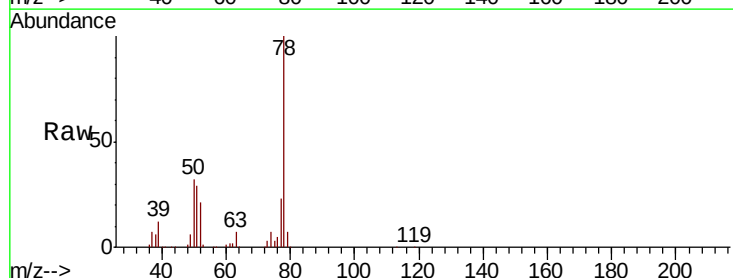
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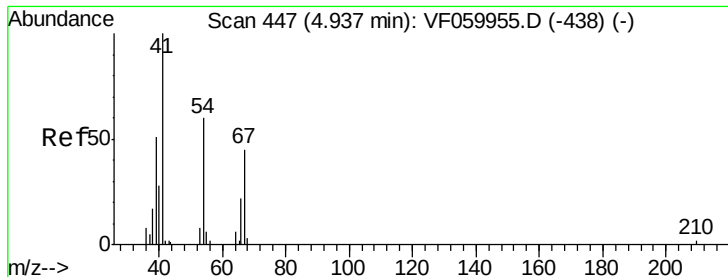
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#40
Benzene
Concen: 95.36 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	21.1	31.7





#41

Methacrylonitrile

Concen: 89.24 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 41 Resp: 42908

Ion Ratio Lower Upper

41 100

39 76.7 75.7 113.5

67 39.0 36.1 54.1

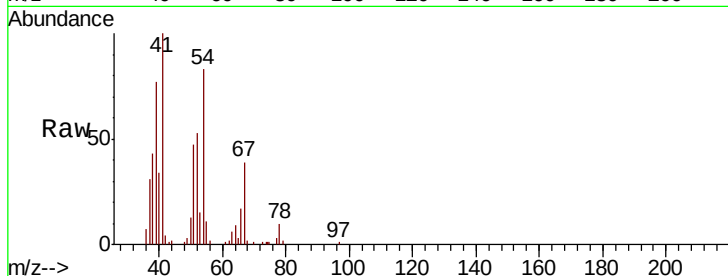
52 52.8 48.0 72.0

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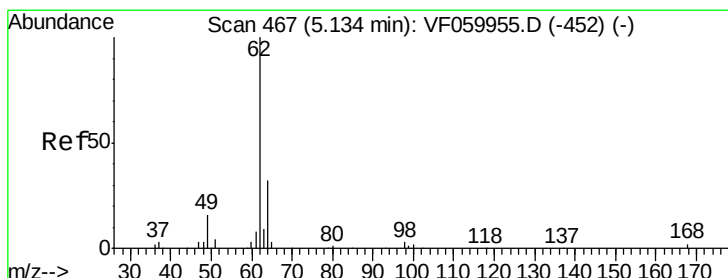
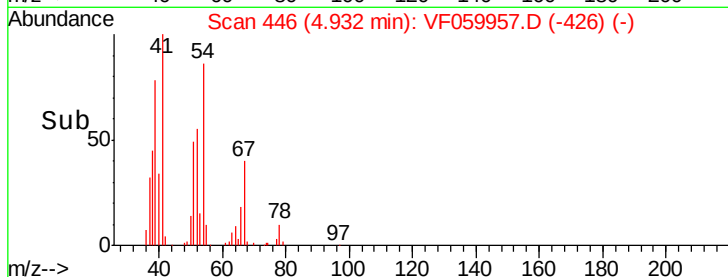
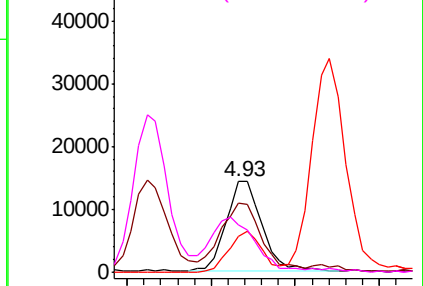


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 86.87 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.01 min

Lab File: VF059957.D

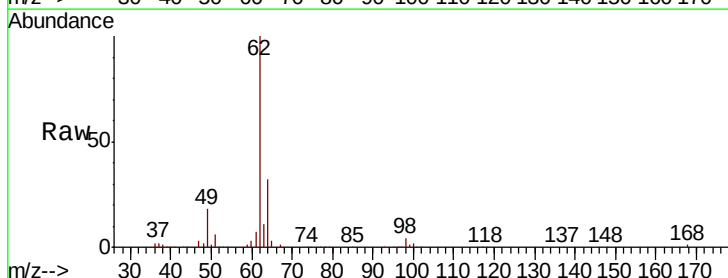
Acq: 14 Aug 2018 21:00

Tgt Ion: 62 Resp: 259404

Ion Ratio Lower Upper

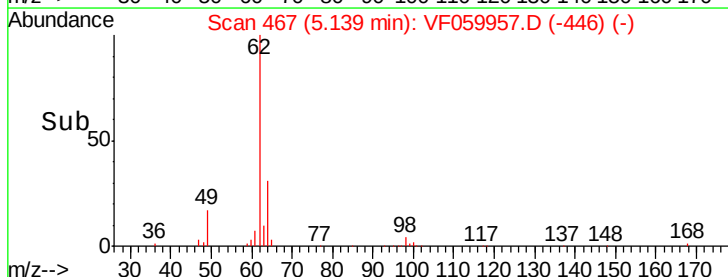
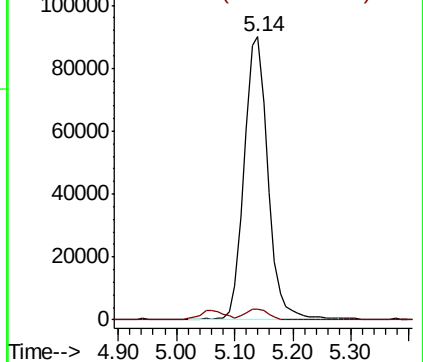
62 100

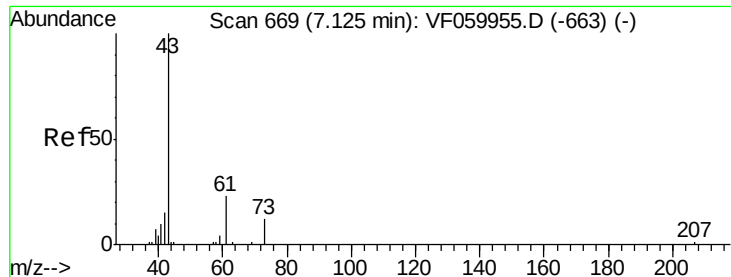
98 3.8 0.0 5.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





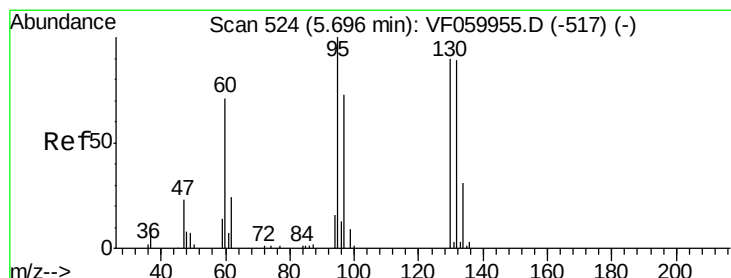
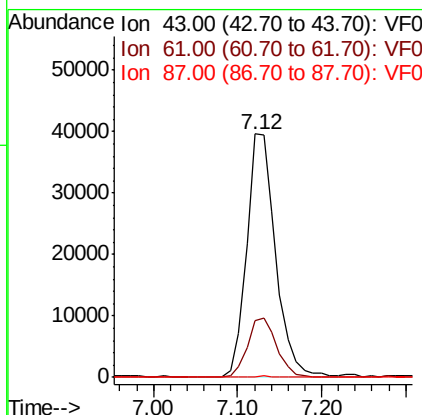
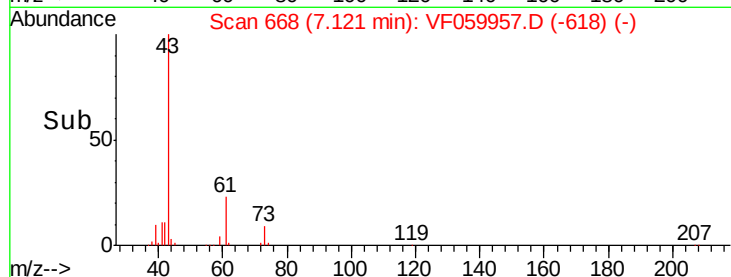
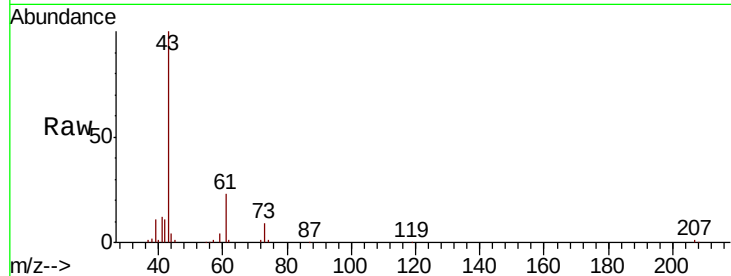
#43
Isopropyl Acetate
Concen: 98.77 ug/l
RT: 7.12 min Scan# 668
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.2	18.6	27.8
87	0.4	0.0	0.0#

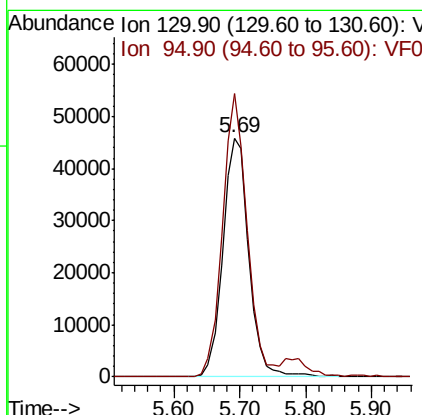
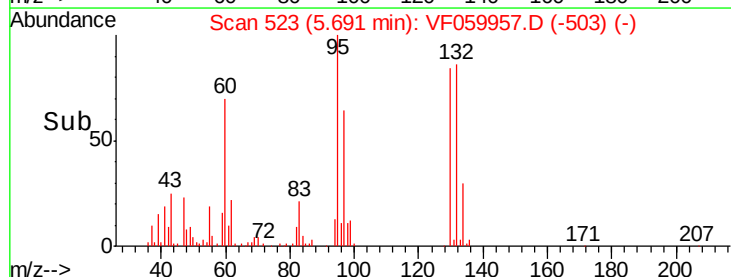
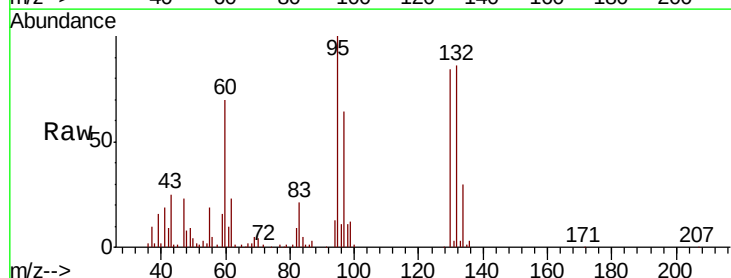
Manual Integrations
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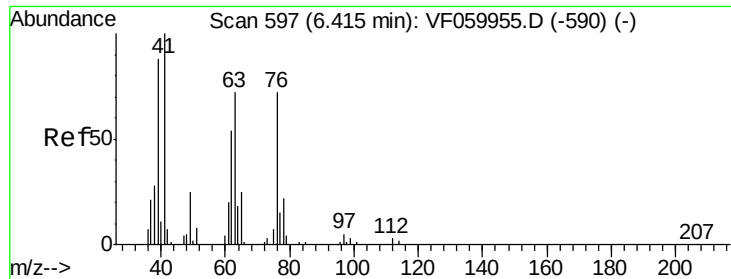
apatel
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#44
Trichloroethene
Concen: 88.82 ug/l
RT: 5.69 min Scan# 523
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.5	0.0	222.0





#45

1,2-Dichloropropane

Concen: 90.77 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tot Ion: 63 Resp: 89302

Ion Ratio Lower Upper

63 100

65 31.5 27.8 41.6

Instrument :

MSVOA_F

ClientSampleId :

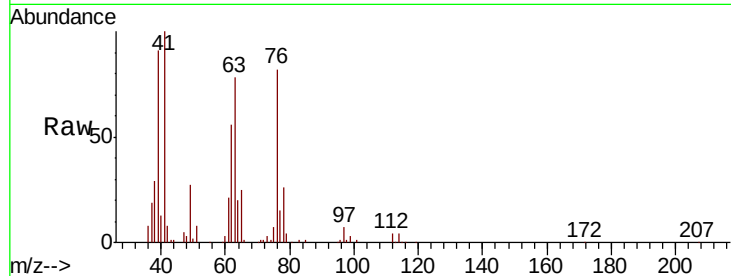
VSTDIC100

Manual Integrations

APPROVED

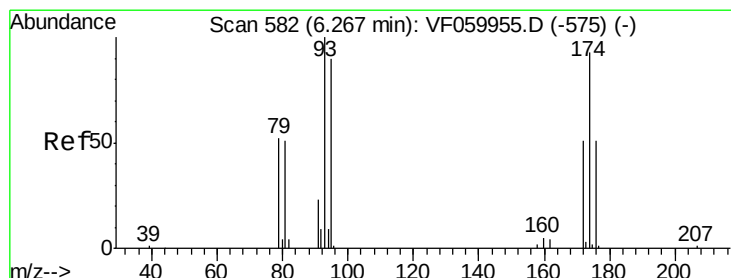
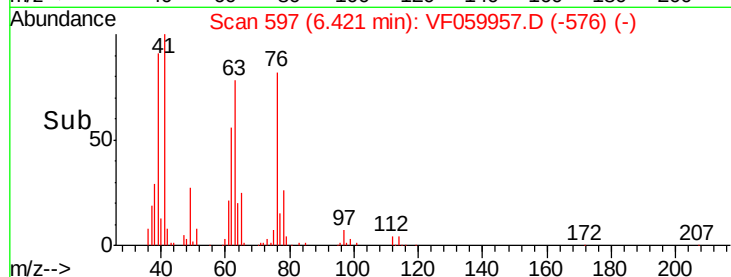
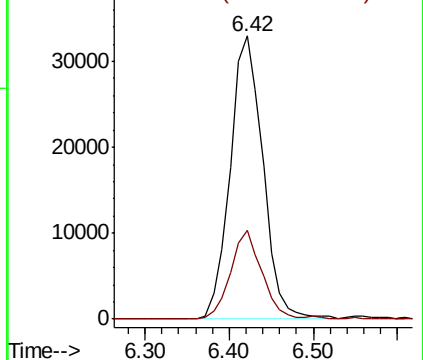
apatel

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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: 88.01 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

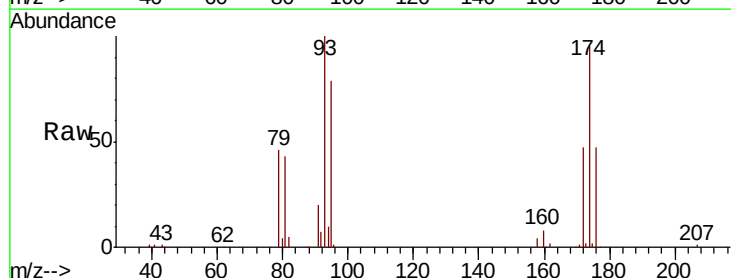
Tgt Ion: 93 Resp: 87799

Ion Ratio Lower Upper

93 100

95 79.4 72.4 108.6

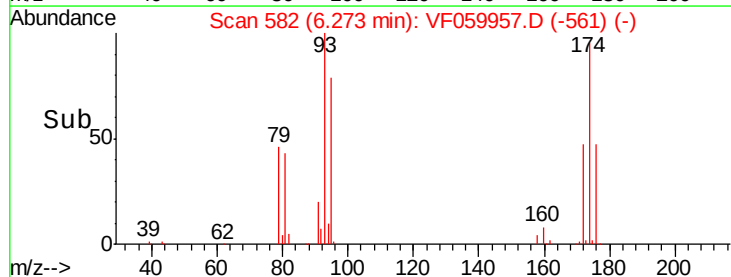
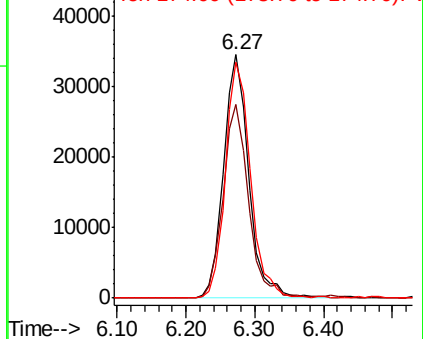
174 96.7 75.9 113.9

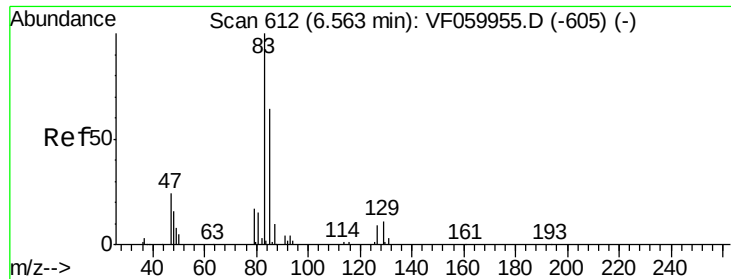


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 92.56 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

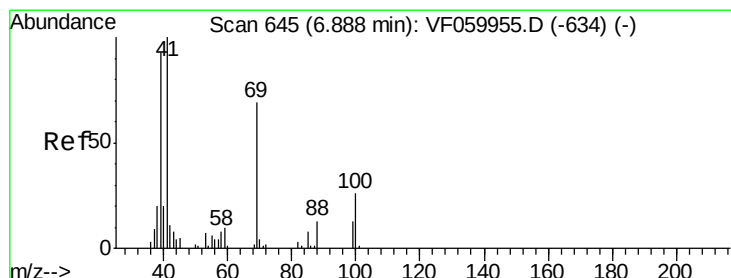
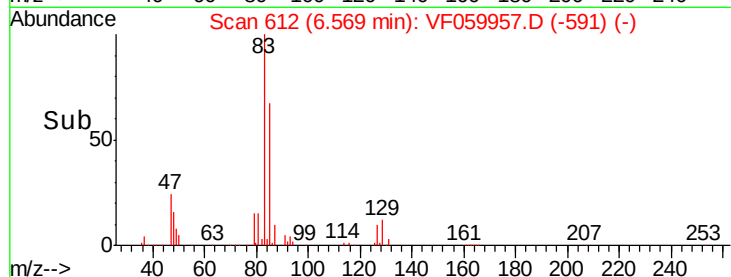
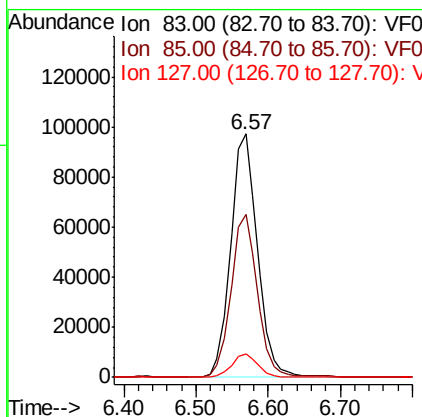
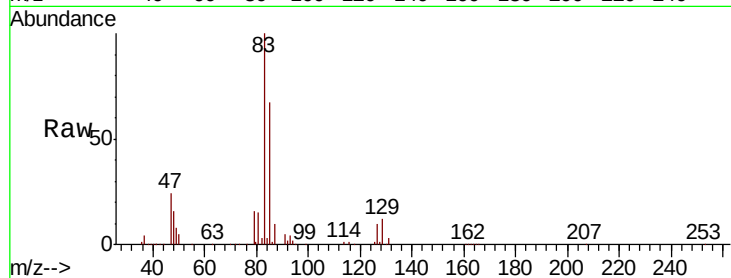
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	252934
Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.5	77.3
127	9.8	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 105.43 ug/l

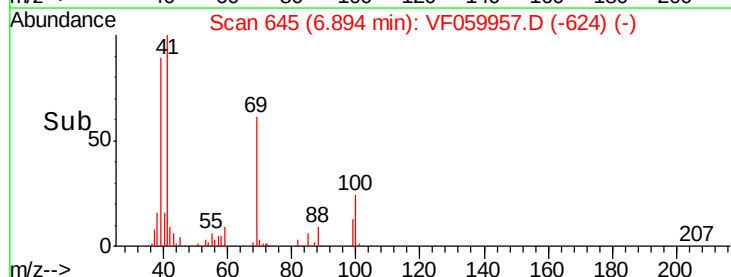
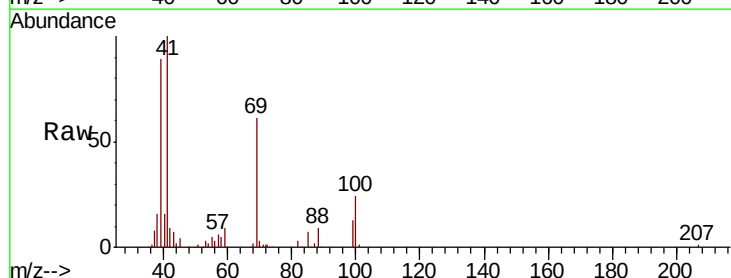
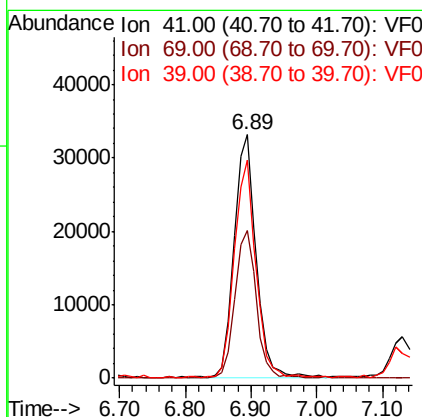
RT: 6.89 min Scan# 645

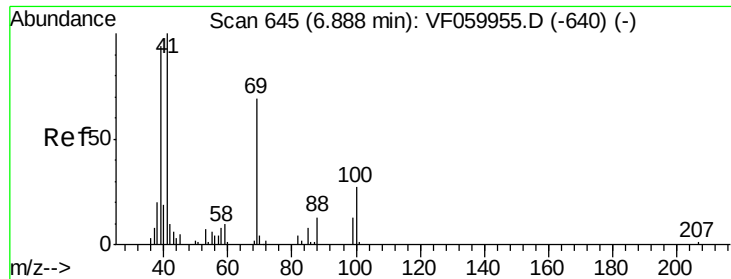
Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion:	41	Resp:	78731
Ion	Ratio	Lower	Upper
41	100		
69	60.6	54.8	82.2
39	89.4	75.1	112.7





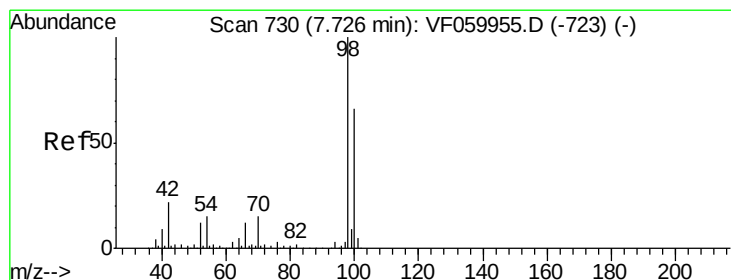
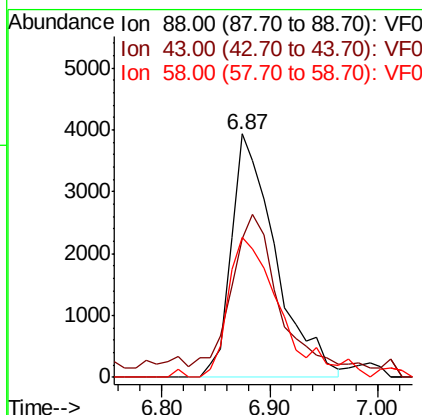
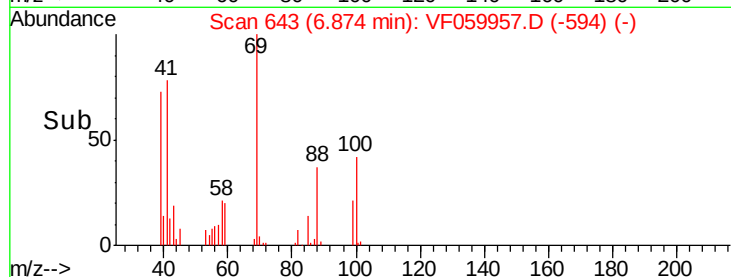
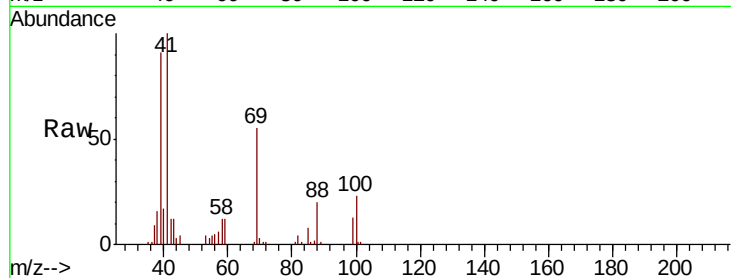
#49
1,4-Dioxane
Concen: 1967.72 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	57.2	47.9	71.9
58	57.6	52.0	78.0

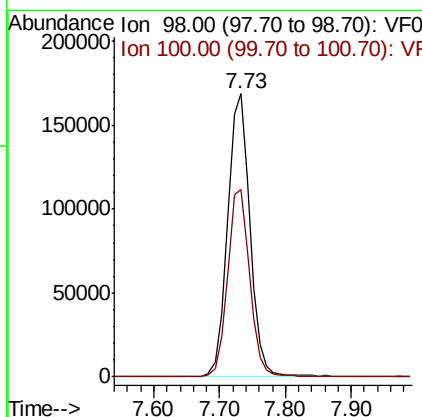
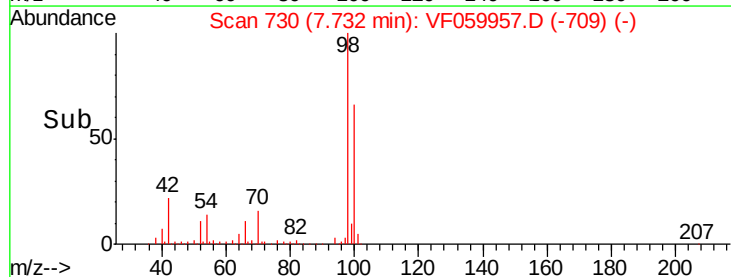
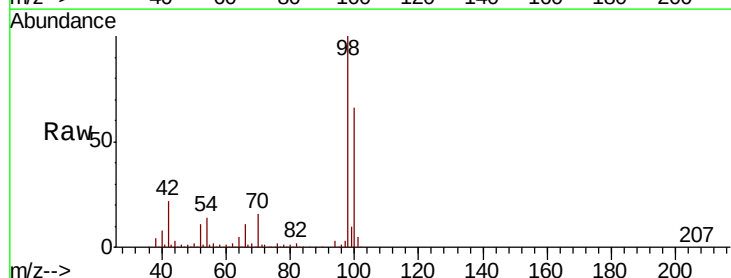
Manual Integrations
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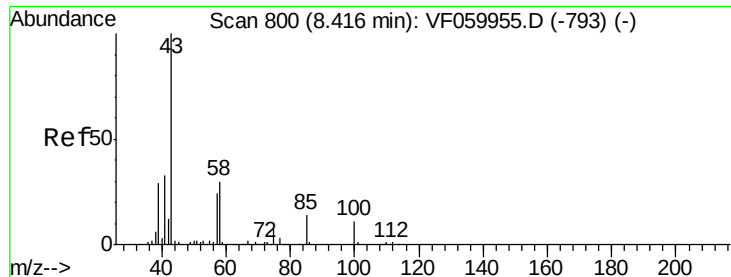
apatel
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#50
Toluene-d8
Concen: 100.80 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 452.47 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 444627

Ion Ratio Lower Upper

43 100

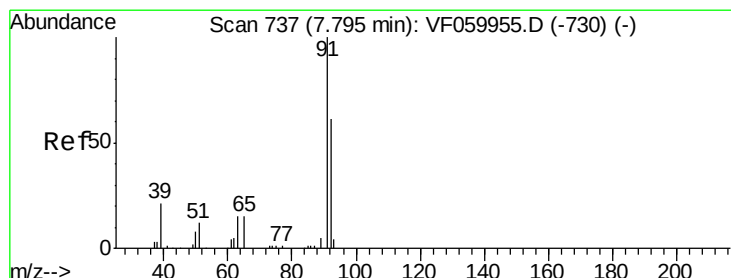
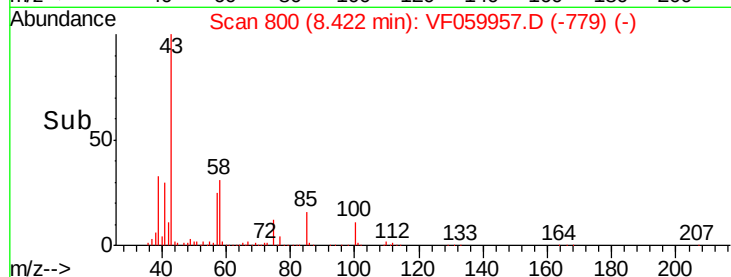
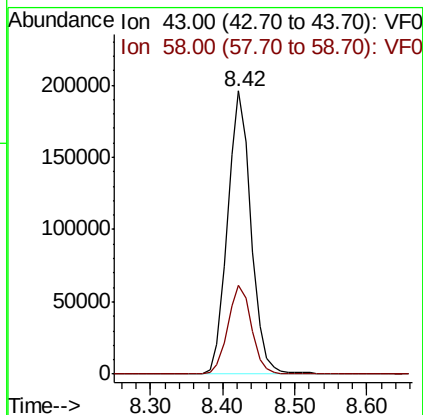
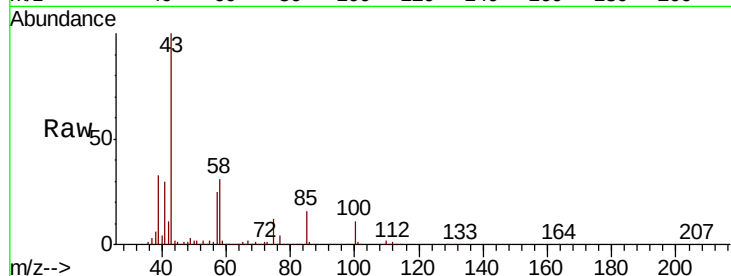
58 31.2 24.2 36.4

Manual Integrations

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#52

Toluene

Concen: 91.87 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF059957.D

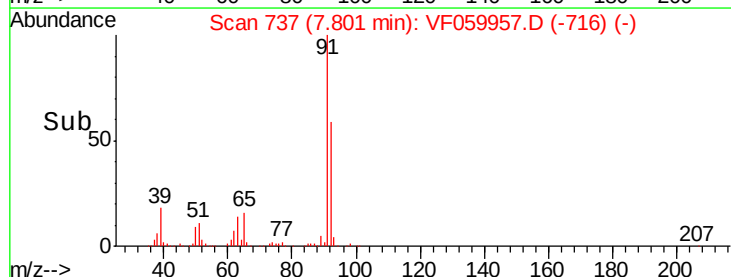
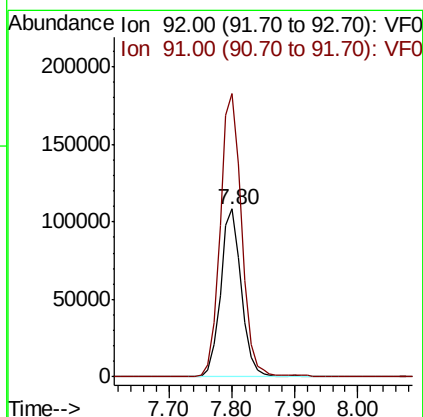
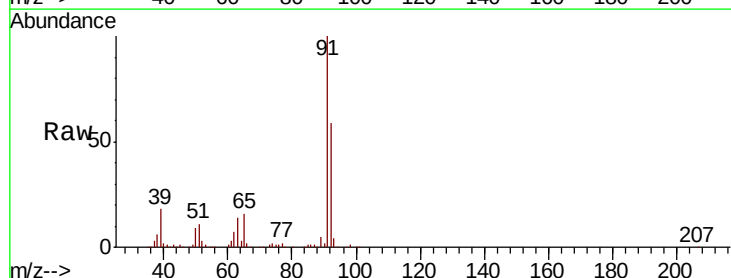
Acq: 14 Aug 2018 21:00

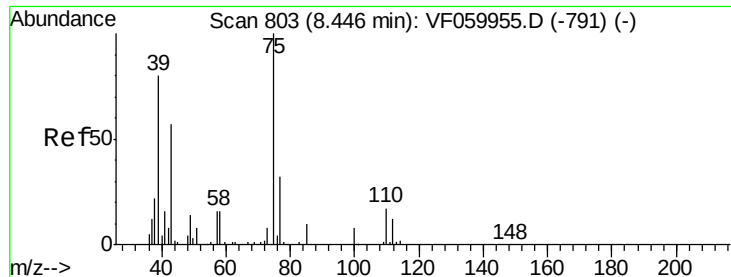
Tgt Ion: 92 Resp: 249858

Ion Ratio Lower Upper

92 100

91 168.6 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 95.45 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 201953

Ion Ratio Lower Upper

75 100

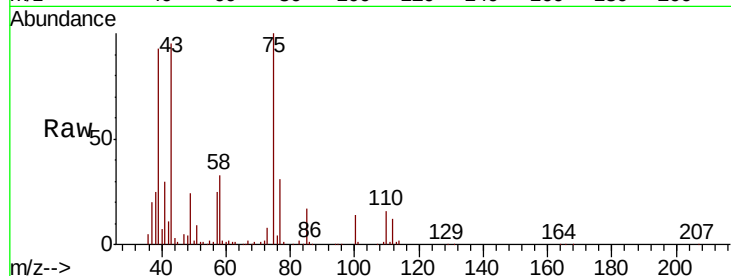
77 31.4 25.8 38.6

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.44

100000

80000

60000

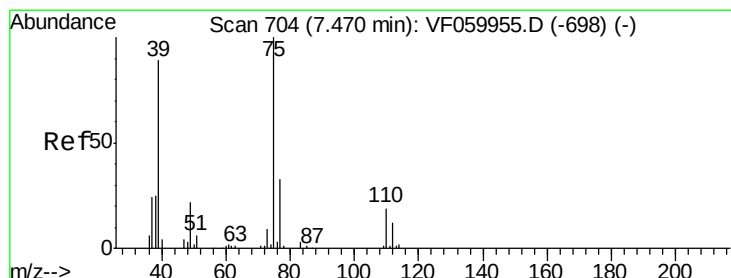
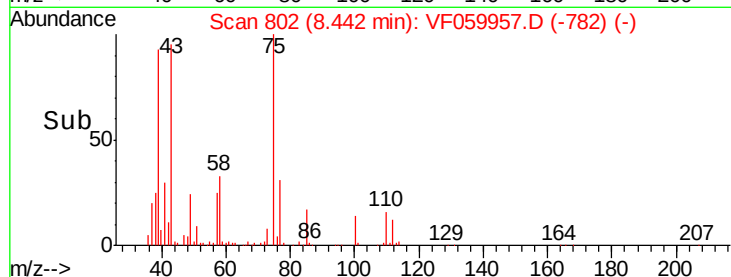
40000

20000

0

8.30 8.40 8.50 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 97.79 ug/l

RT: 7.48 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

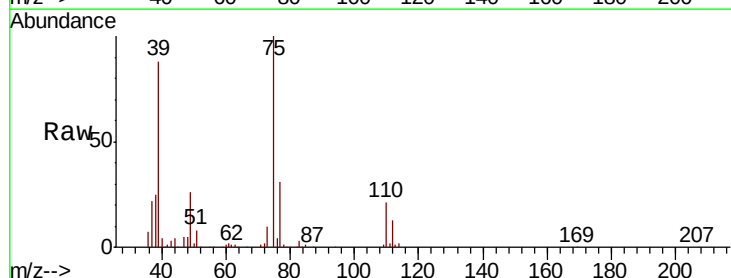
Tgt Ion: 75 Resp: 211453

Ion Ratio Lower Upper

75 100

77 30.5 26.1 39.1

39 88.1 71.6 107.4



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

120000

100000

80000

60000

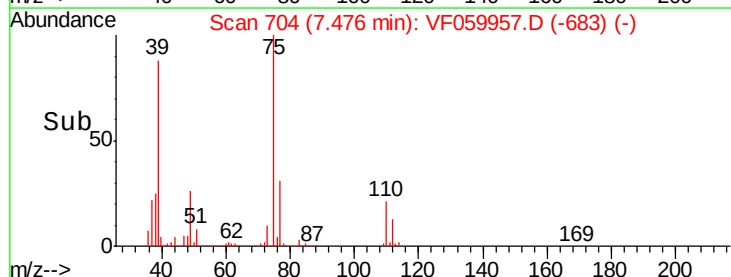
40000

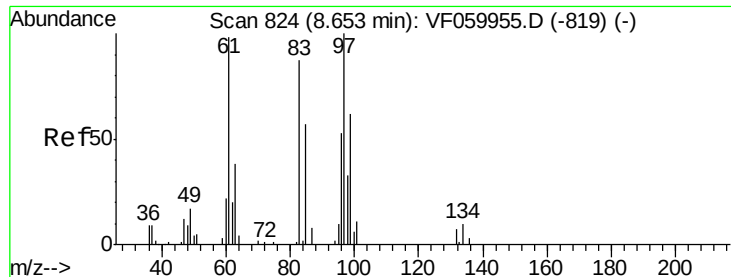
20000

0

7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 90.54 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

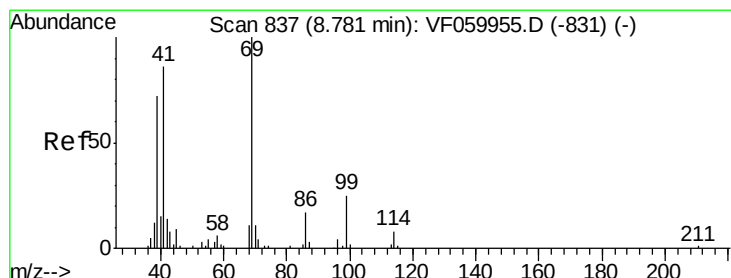
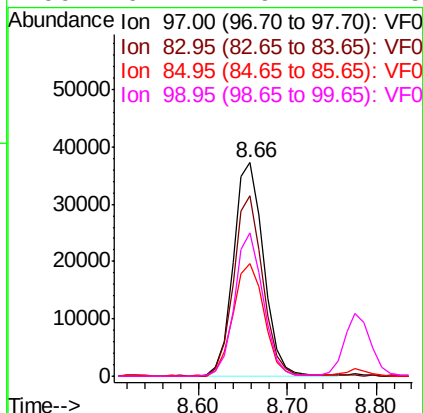
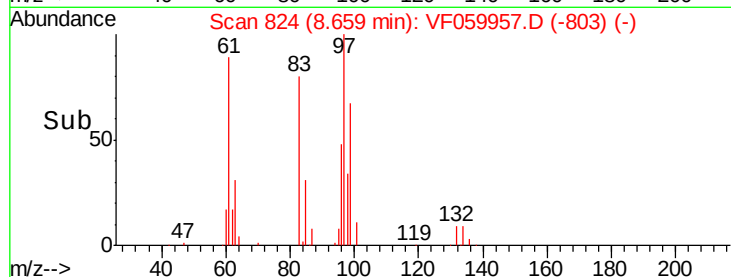
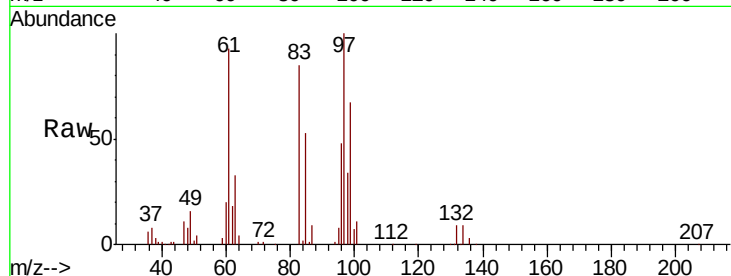
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	88560
Ion	Ratio	Lower	Upper
97	100		
83	84.6	70.0	105.0
85	53.0	45.2	67.8
99	67.2	49.7	74.5

Manual Integrations
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#56

Ethyl methacrylate

Concen: 90.50 ug/l

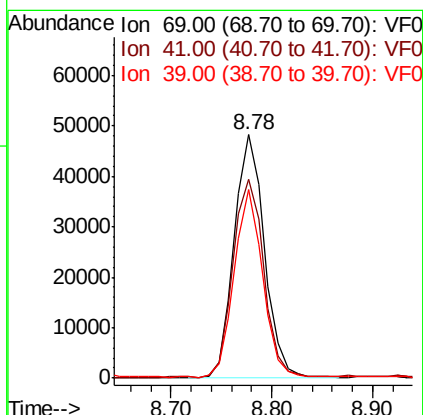
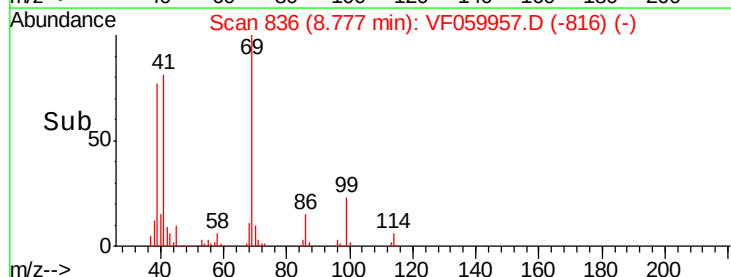
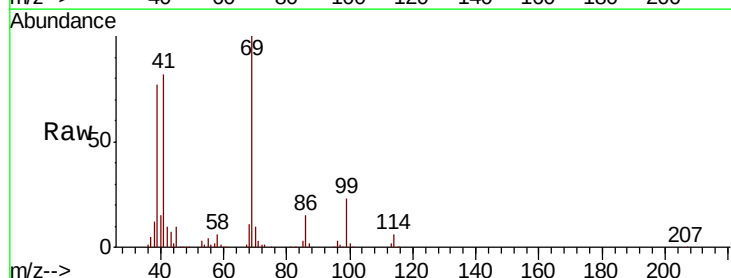
RT: 8.78 min Scan# 836

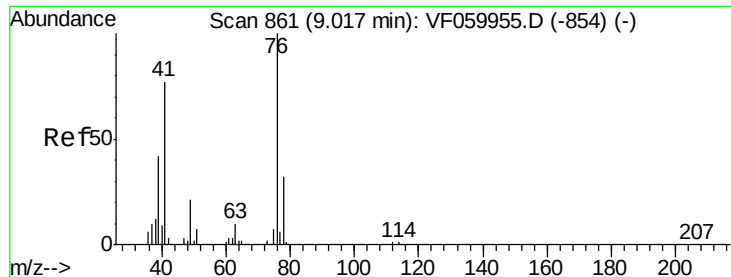
Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion:	69	Resp:	101287
Ion	Ratio	Lower	Upper
69	100		
41	81.9	68.7	103.1
39	77.3	58.5	87.7





#57

1,3-Dichloropropane

Concen: 93.11 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 158117

Ion Ratio Lower Upper

76 100

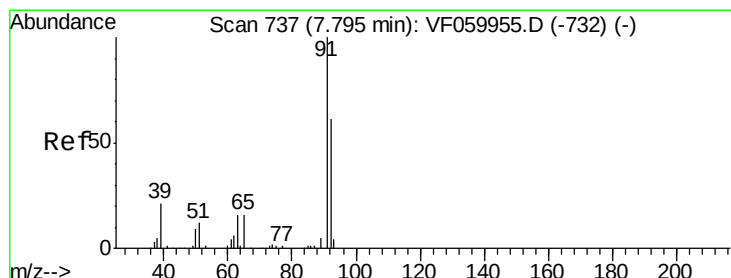
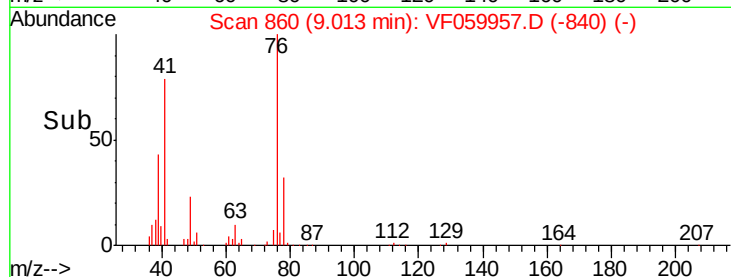
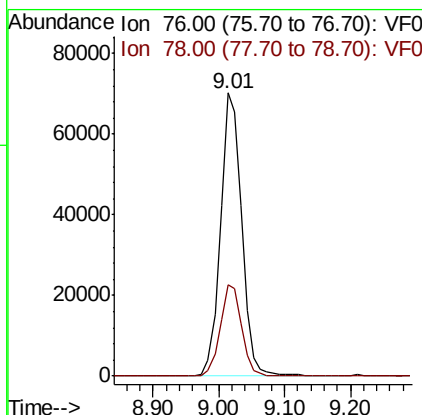
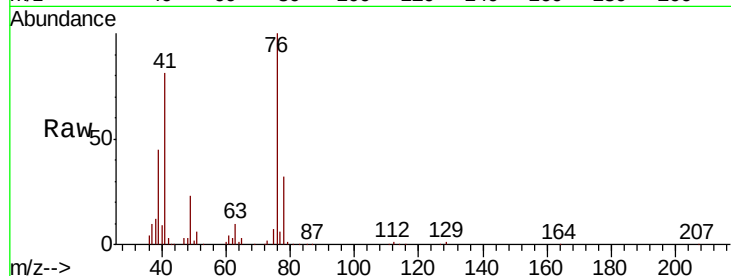
78 32.1 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 479.45 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF059957.D

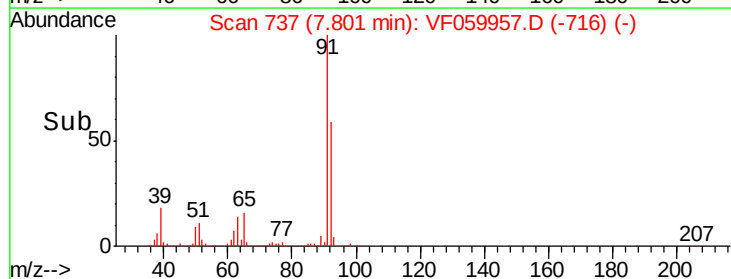
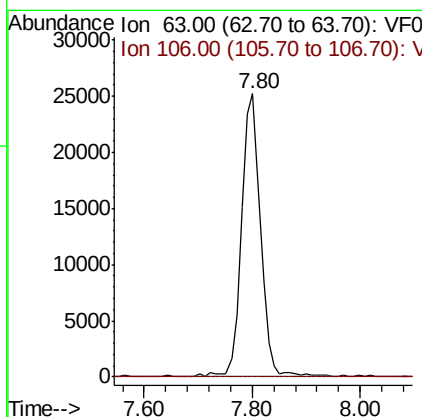
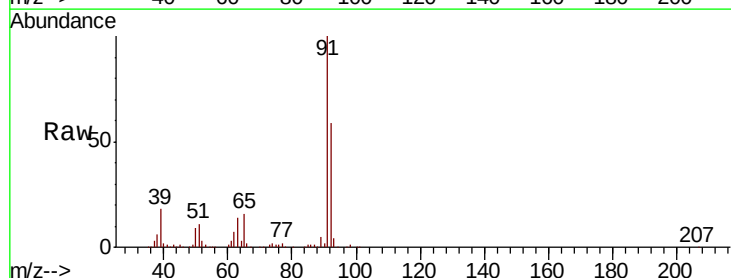
Acq: 14 Aug 2018 21:00

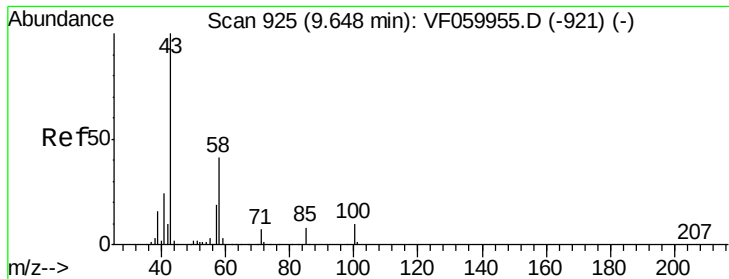
Tgt Ion: 63 Resp: 62035

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





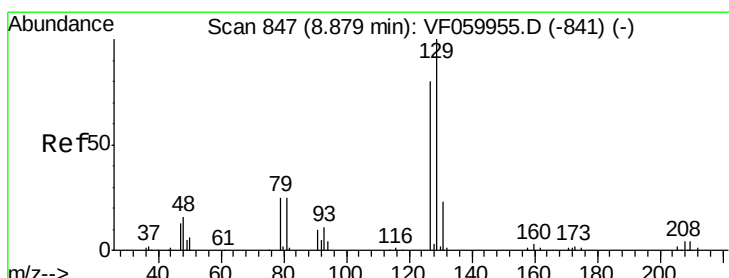
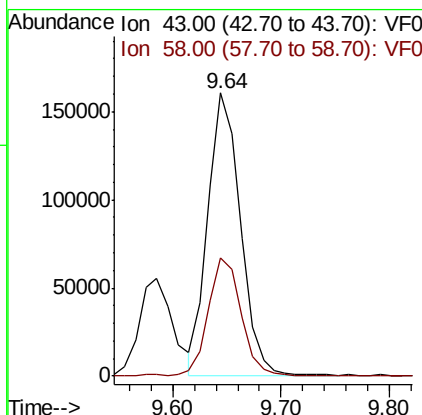
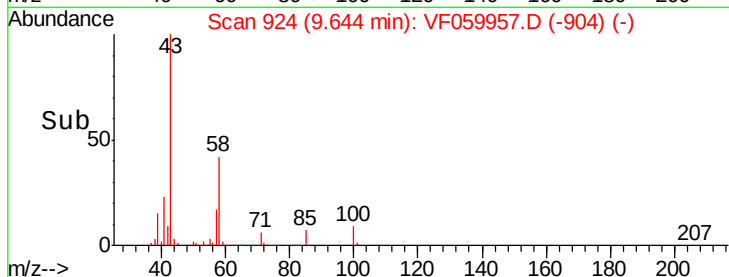
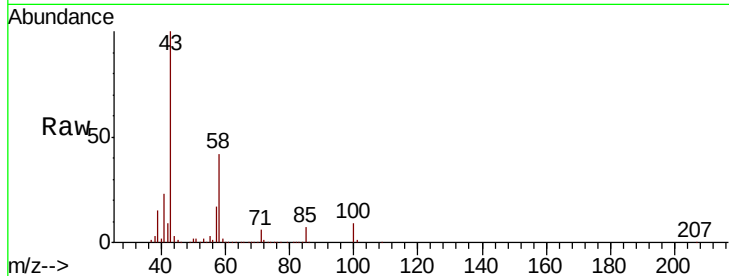
#59
2-Hexanone
Concen: 480.18 ug/l
RT: 9.64 min Scan# 924
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.7	19.4	58.2

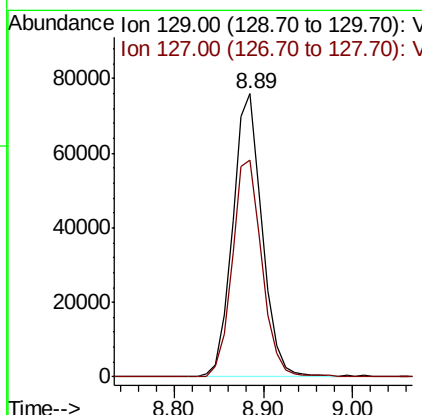
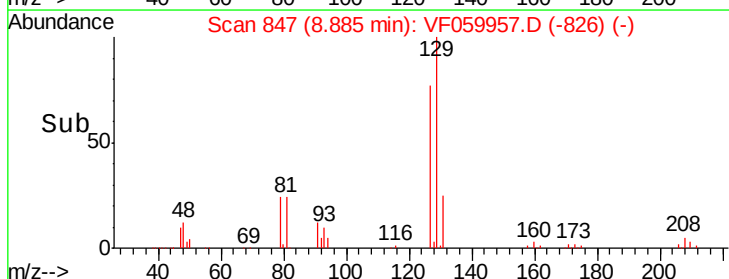
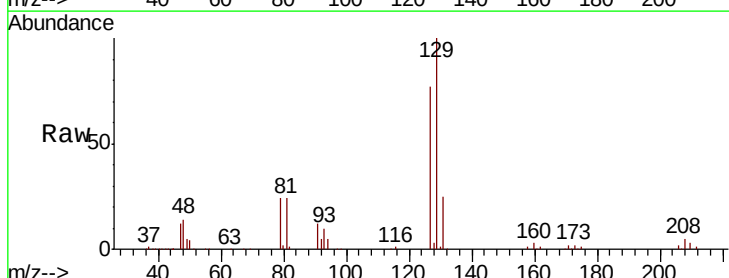
Manual Integrations
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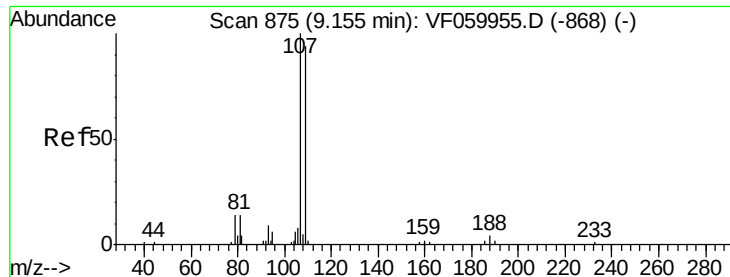
apatel
8/16/2018 12:15:15 PM



#60
Dibromochloromethane
Concen: 94.76 ug/l
RT: 8.89 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	40.0	119.9





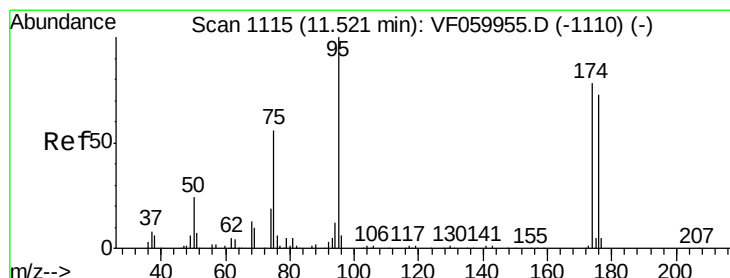
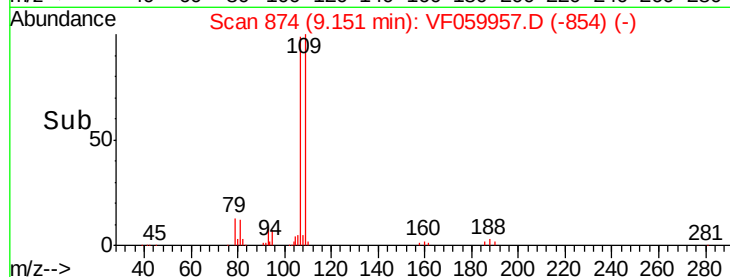
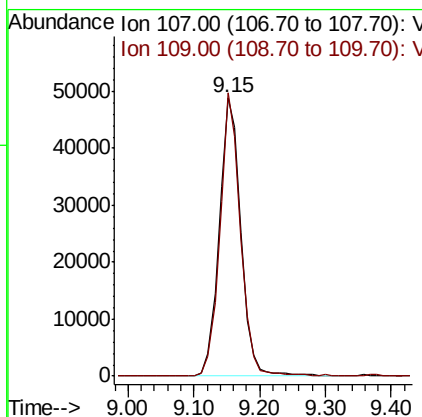
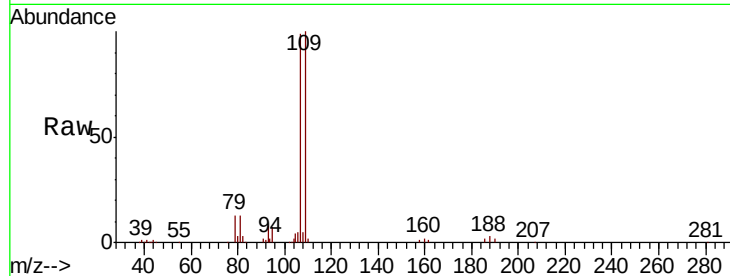
#61
 1,2-Dibromoethane
 Concen: 93.64 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.5	75.0	112.6

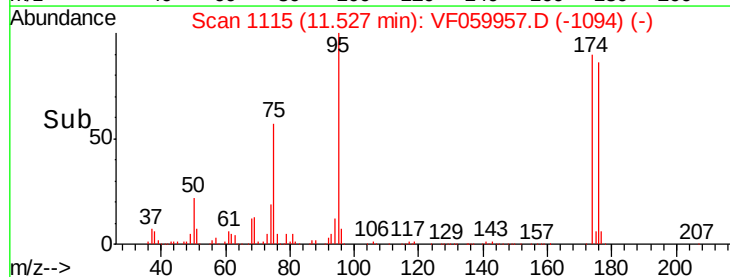
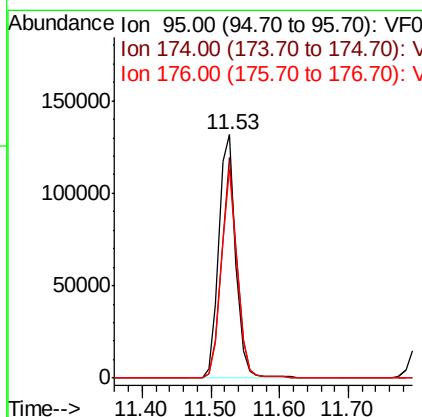
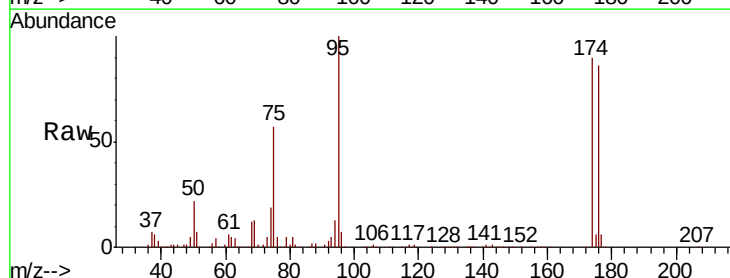
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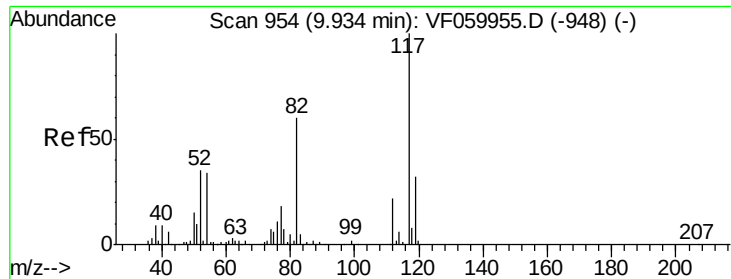
apatel
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#62
 4-Bromofluorobenzene
 Concen: 100.32 ug/l
 RT: 11.53 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	156.4
176	85.9	0.0	146.8





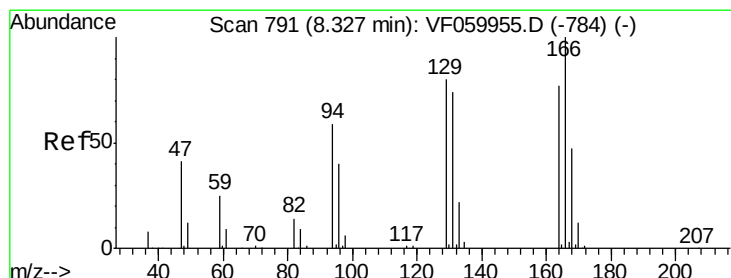
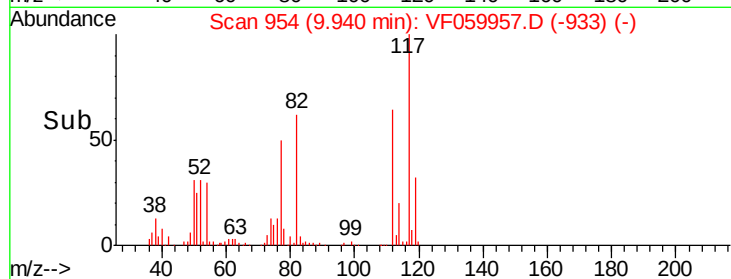
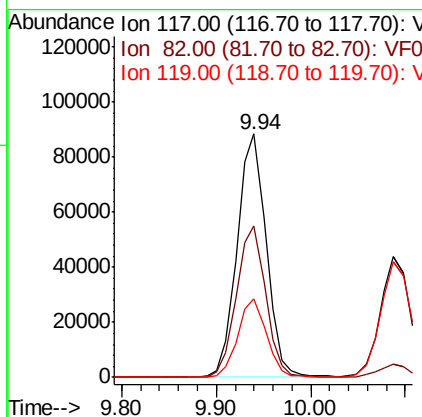
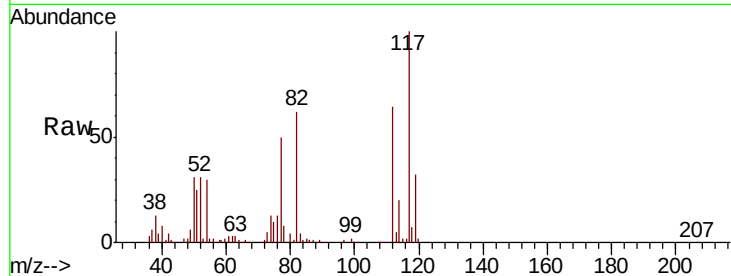
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	188715		
82	62.4	48.3	72.5	
119	32.2	25.7	38.5	

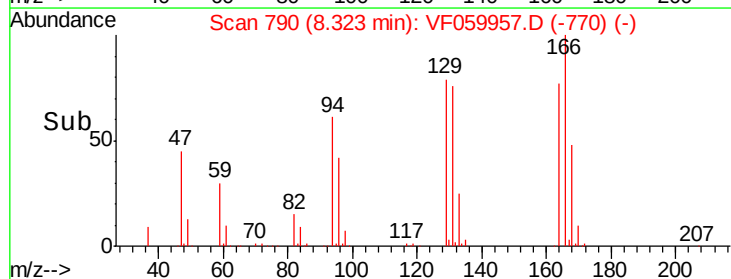
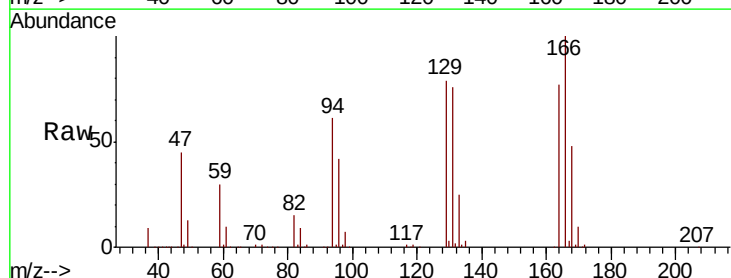
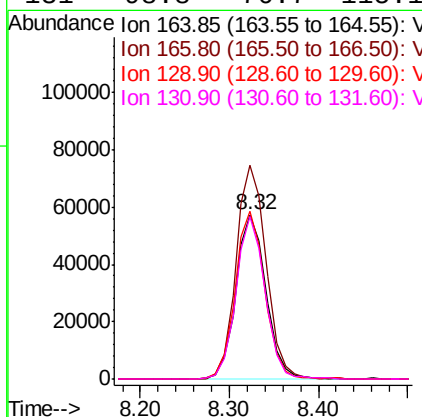
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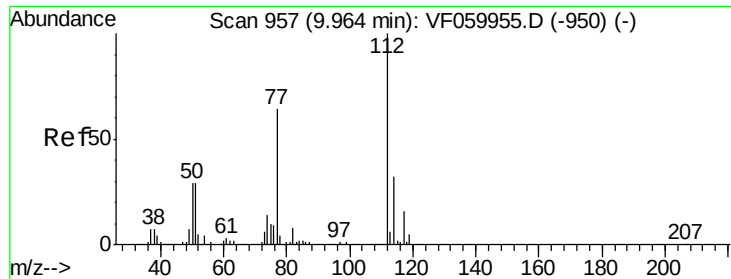
apatel
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#64
Tetrachloroethene
Concen: 85.19 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	134326		
166	129.9	103.4	155.2	
129	102.1	82.2	123.4	
131	98.8	76.7	115.1	





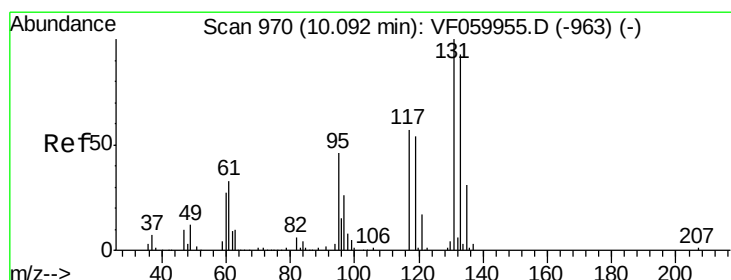
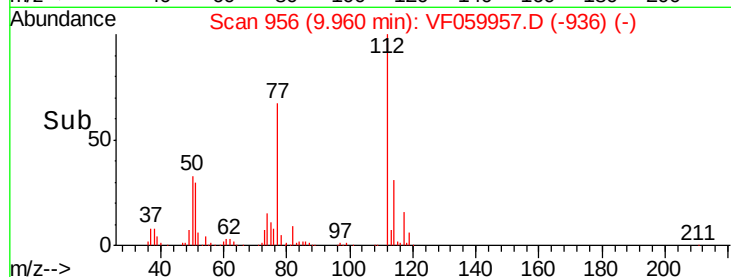
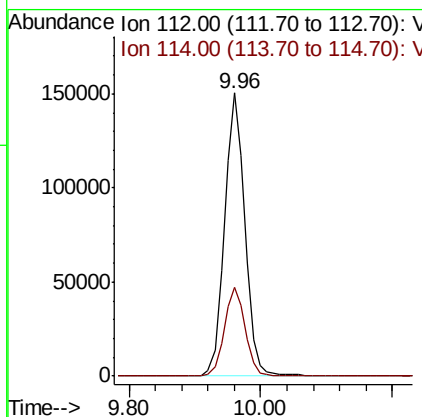
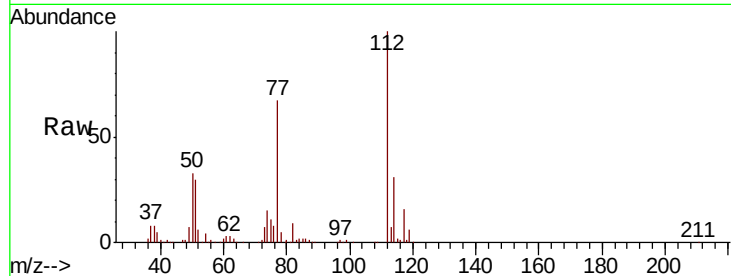
#65
Chlorobenzene
Concen: 86.01 ug/l
RT: 9.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.6

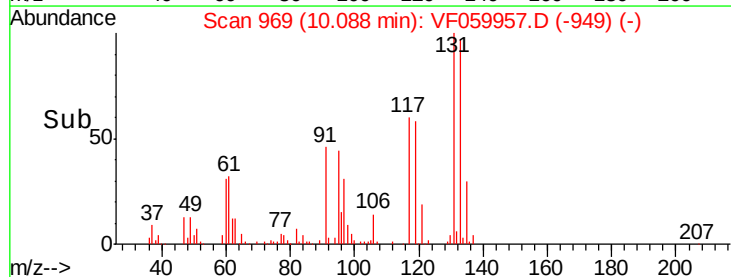
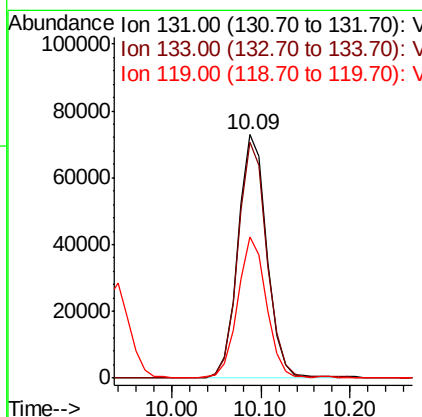
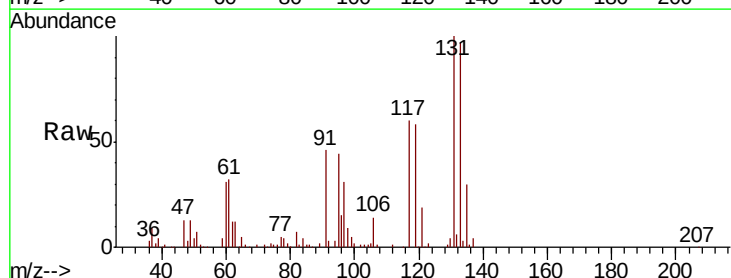
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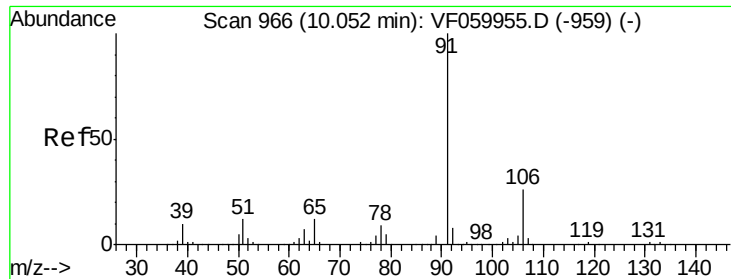
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 87.59 ug/l
RT: 10.09 min Scan# 969
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	46.4	139.1
119	57.7	27.2	81.5





#67

Ethyl Benzene

Concen: 94.61 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 618998

Ion Ratio Lower Upper

91 100

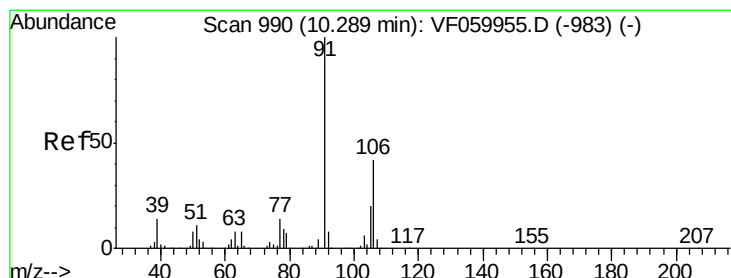
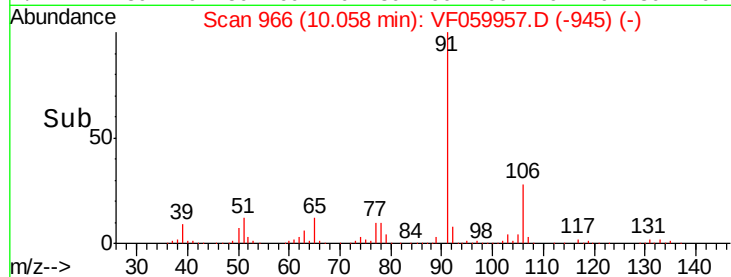
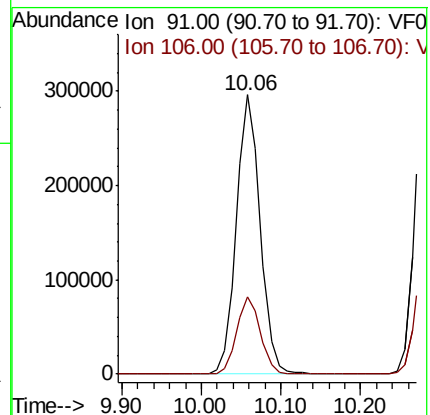
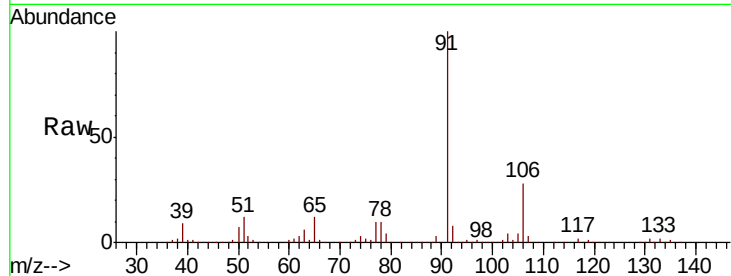
106 27.6 20.7 31.1

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#68

m/p-Xylenes

Concen: 175.80 ug/l

RT: 10.28 min Scan# 989

Delta R.T. -0.00 min

Lab File: VF059957.D

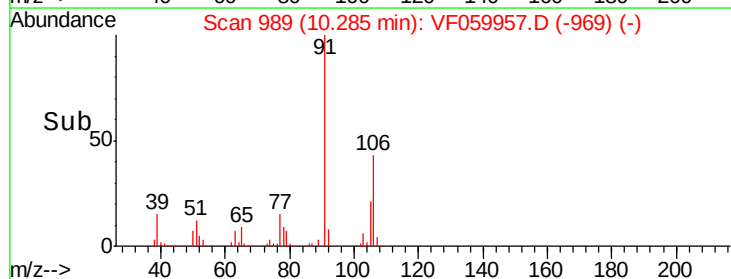
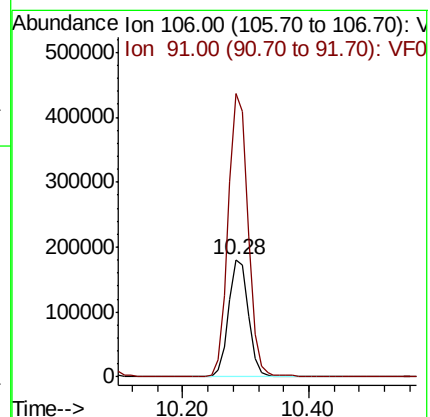
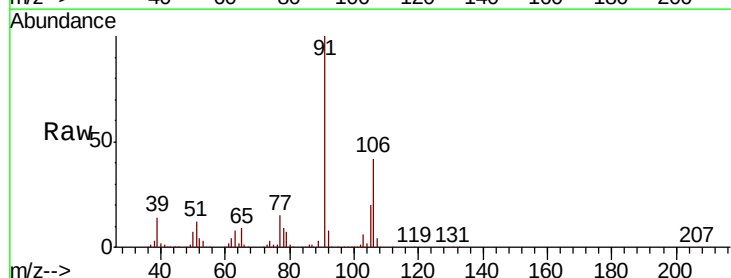
Acq: 14 Aug 2018 21:00

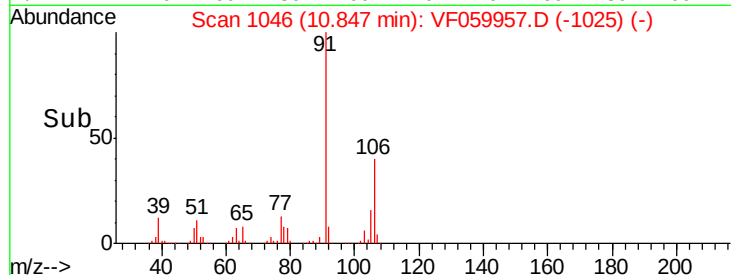
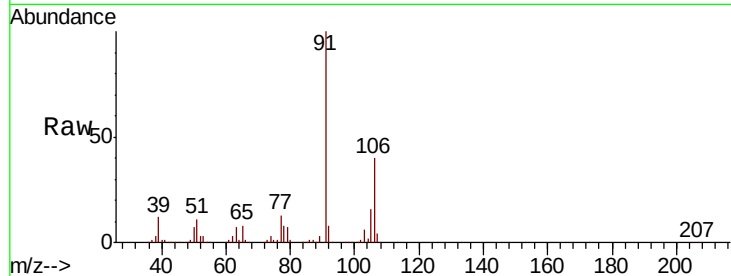
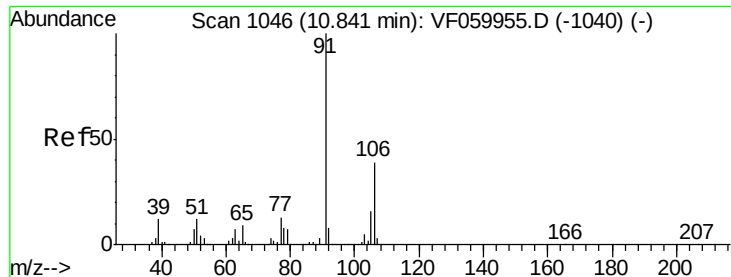
Tgt Ion: 106 Resp: 397797

Ion Ratio Lower Upper

106 100

91 240.8 191.8 287.8





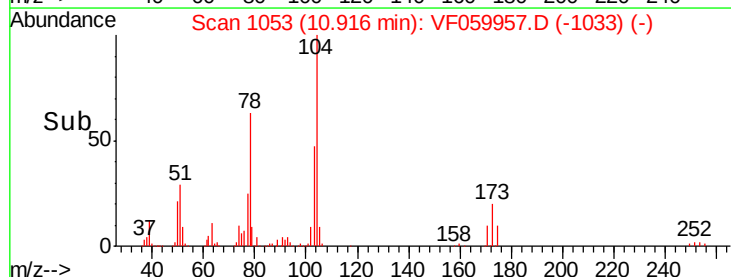
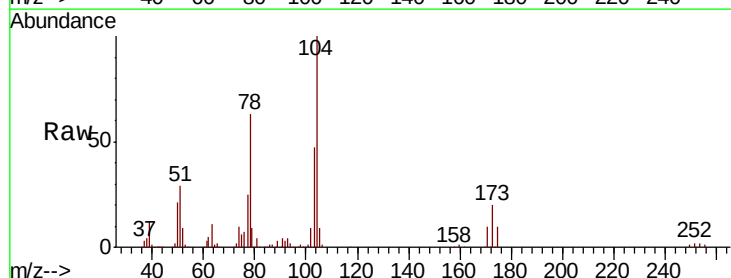
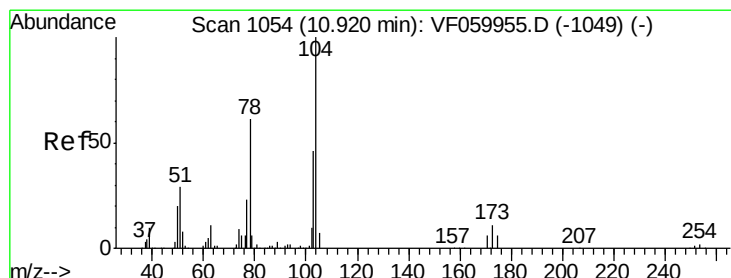
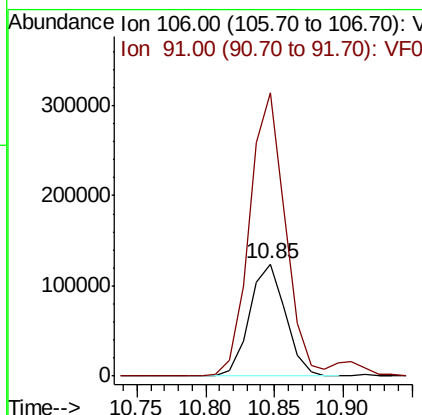
#69
o-Xylene
Concen: 95.67 ug/l
RT: 10.85 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tot Ion	Ratio	Lower	Upper
106	100		
91	252.0	126.8	380.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

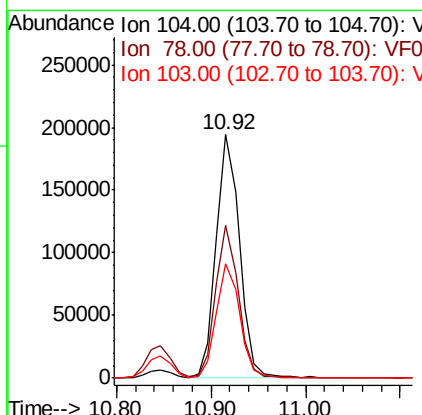
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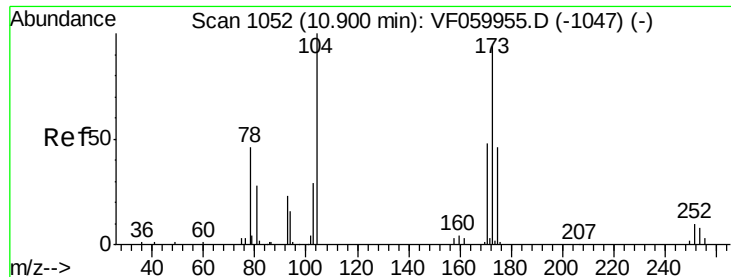
apatel
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#70
Styrene
Concen: 92.94 ug/l
RT: 10.92 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	62.6	49.2	73.8
103	46.9	37.4	56.0





#71

Bromoform

Concen: 87.77 ug/l

RT: 10.91 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

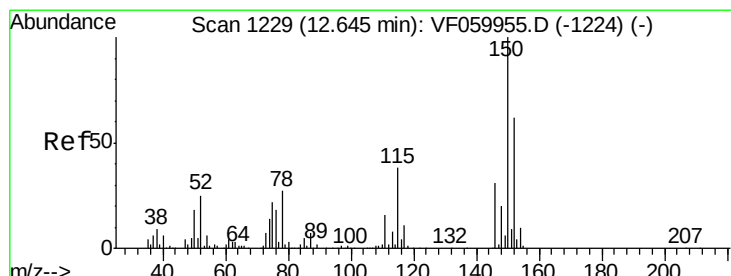
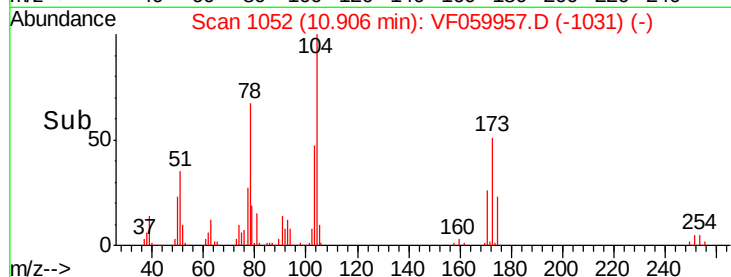
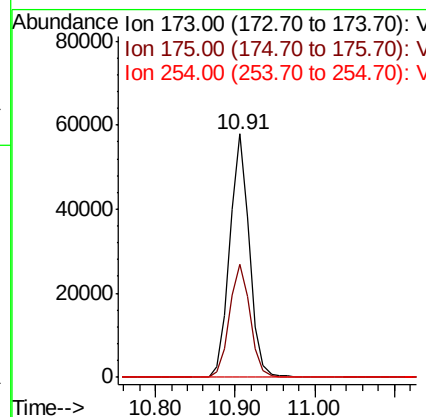
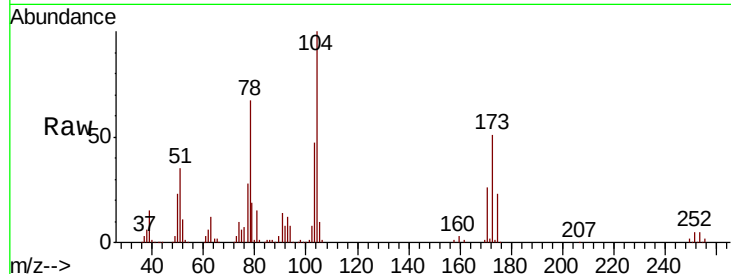
ClientSampleId :

VSTDIC100

Tot Ion:	173	Resp:	101103
Ion Ratio	Lower	Upper	
173	100		
175	46.3	24.6	73.6
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

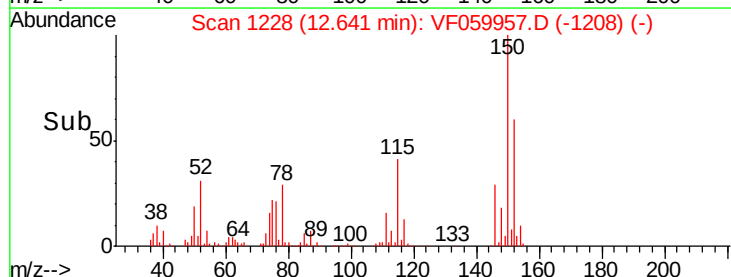
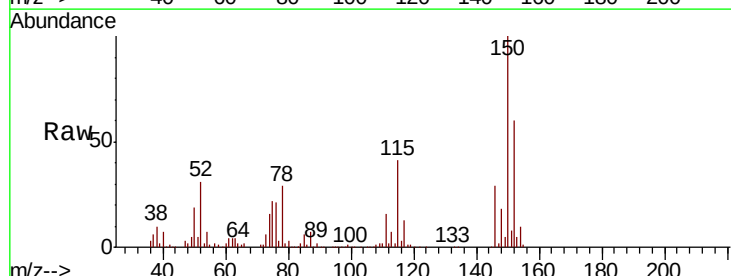
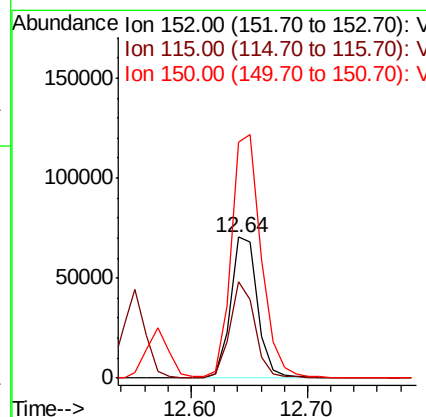
RT: 12.64 min Scan# 1228

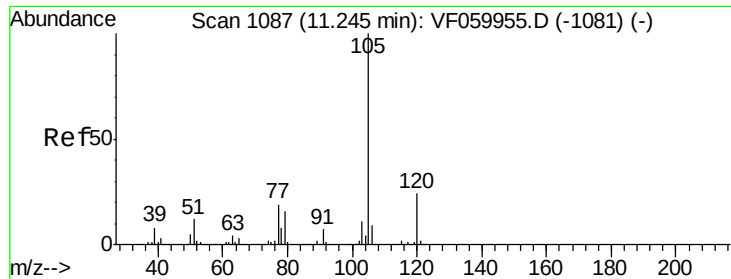
Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion:	152	Resp:	113723
Ion Ratio	Lower	Upper	
152	100		
115	68.3	31.4	94.0
150	167.6	0.0	326.2





#73

Isopropylbenzene

Concen: 102.16 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 718940

Ion Ratio Lower Upper

105 100

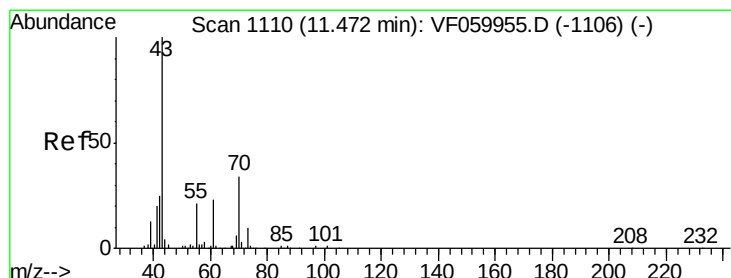
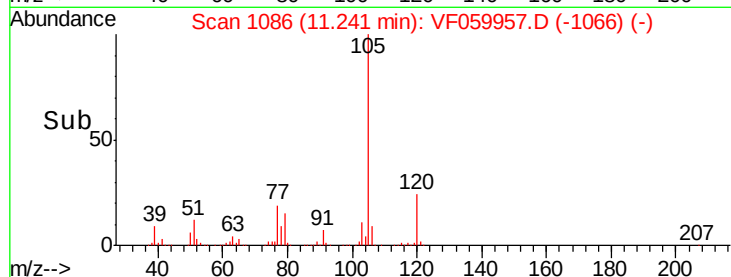
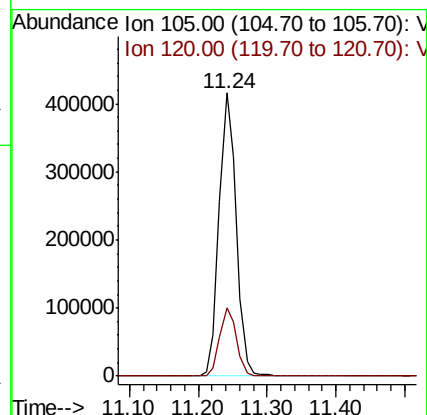
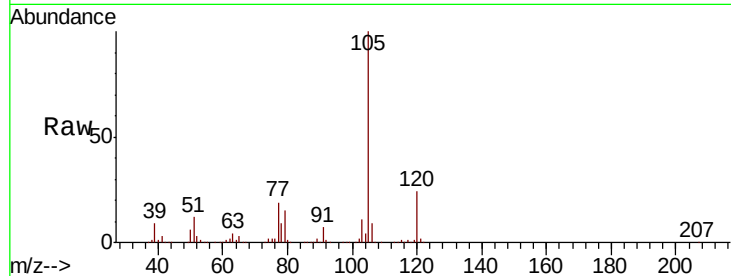
120 24.0 11.9 35.9

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#74

N-ethyl acetate

Concen: 95.57 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion: 43 Resp: 172506

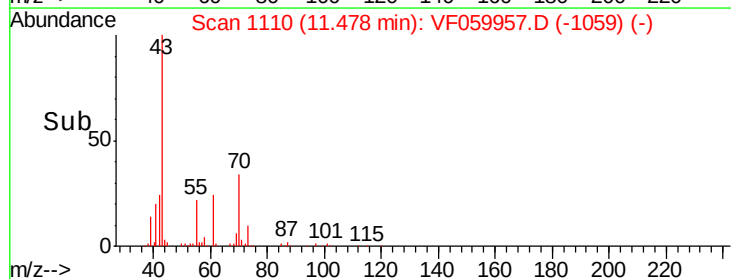
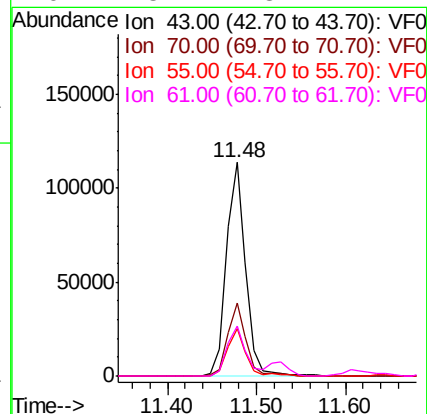
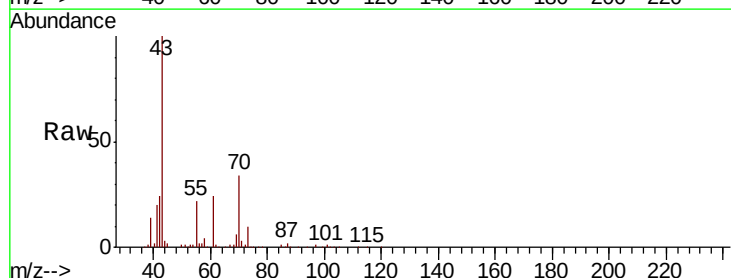
Ion Ratio Lower Upper

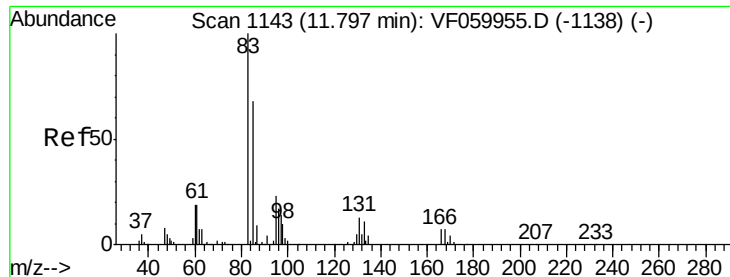
43 100

70 34.4 26.9 40.3

55 22.3 16.9 25.3

61 23.7 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 90.01 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

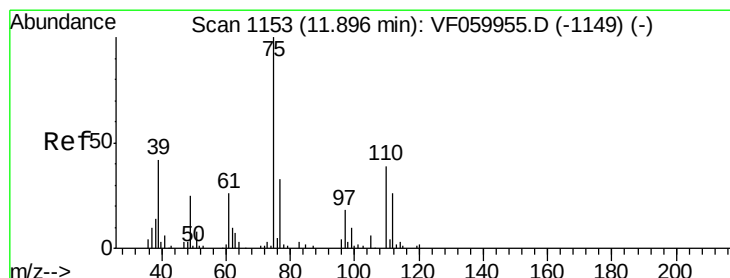
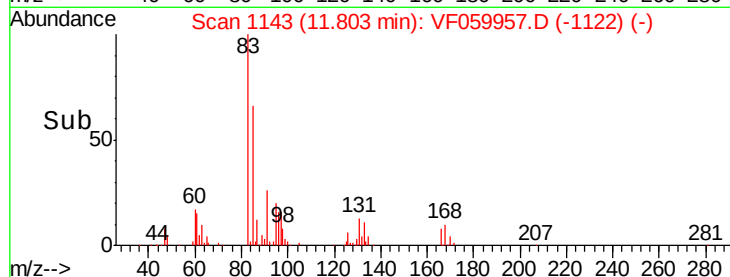
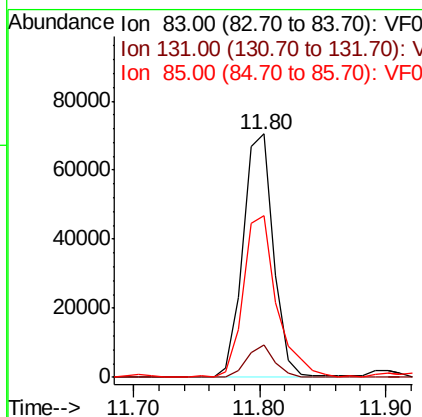
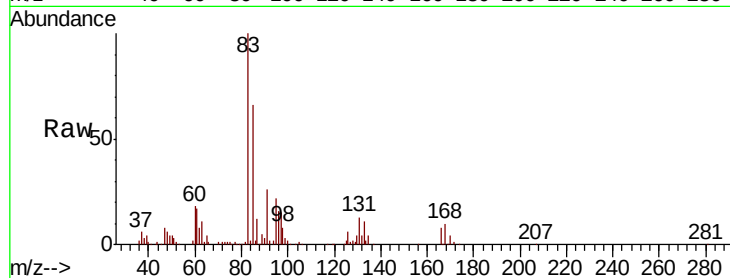
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	118053
Ion Ratio	Lower	Upper	
83	100		
131	13.2	6.3	19.1
85	66.3	33.9	101.7

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#76

1,2,3-Trichloropropane

Concen: 90.10 ug/l

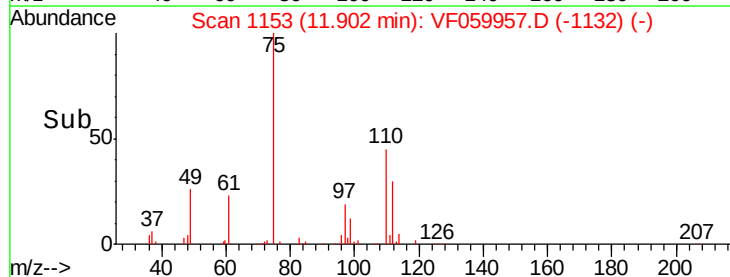
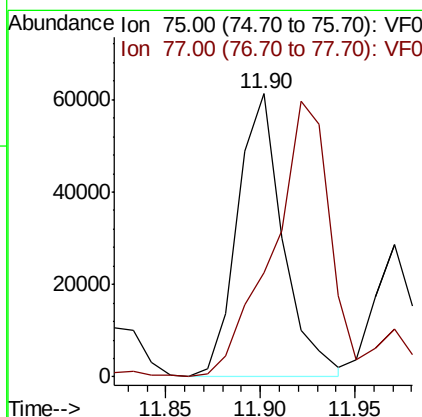
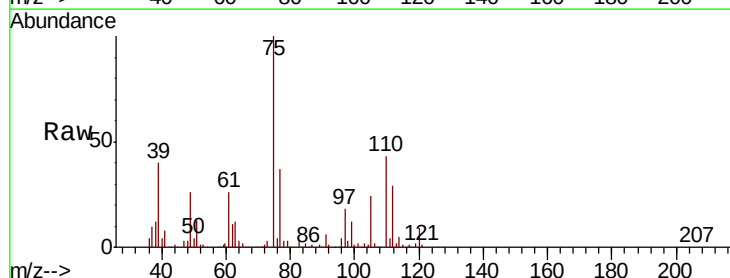
RT: 11.90 min Scan# 1153

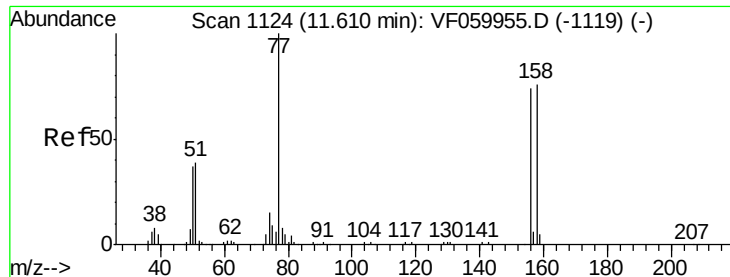
Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion:	75	Resp:	102031
Ion Ratio	Lower	Upper	
75	100		
77	36.8	16.6	49.7





#77

Bromobenzene

Concen: 95.52 ug/l

RT: 11.61 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 183322

Ion Ratio Lower Upper

156 100

77 155.6 67.8 203.2

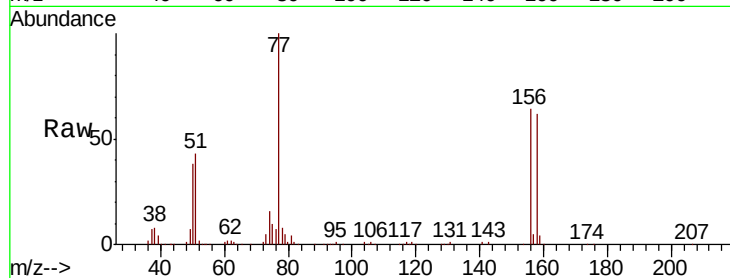
158 96.8 51.7 155.2

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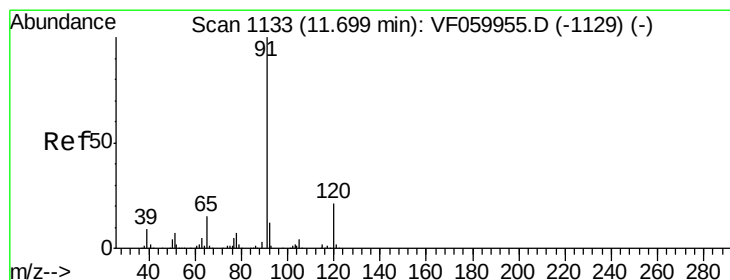
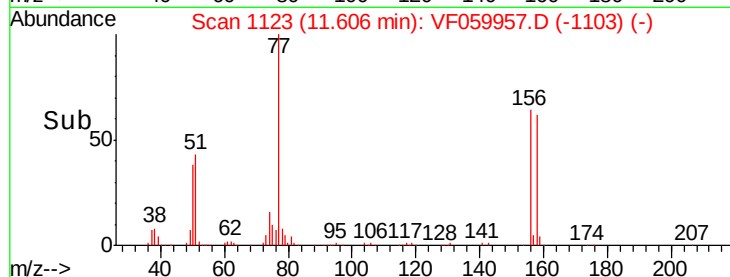
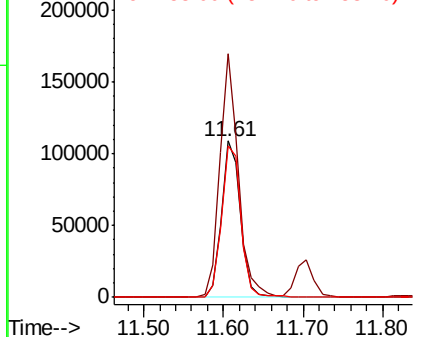
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 95.61 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF059957.D

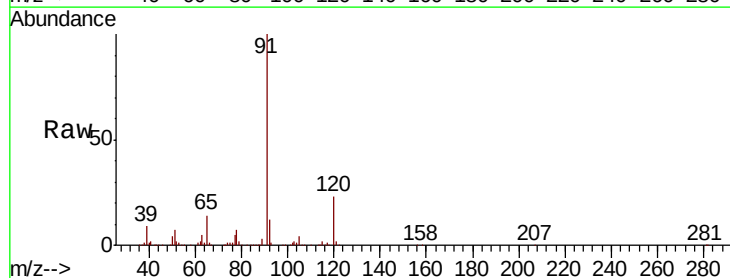
Acq: 14 Aug 2018 21:00

Tgt Ion: 91 Resp: 796083

Ion Ratio Lower Upper

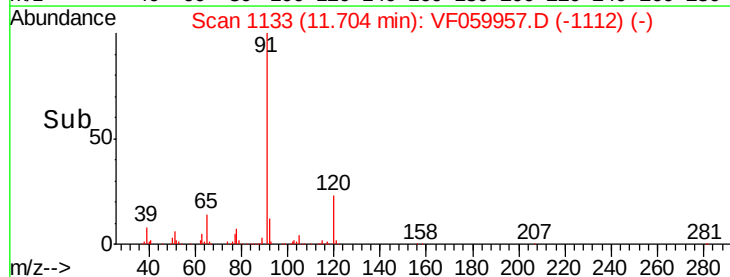
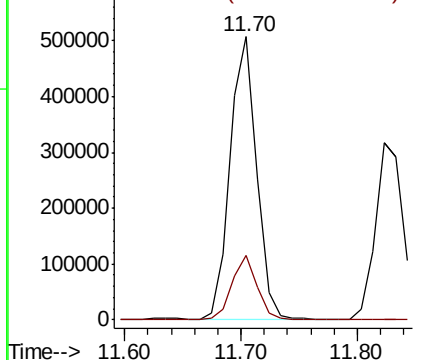
91 100

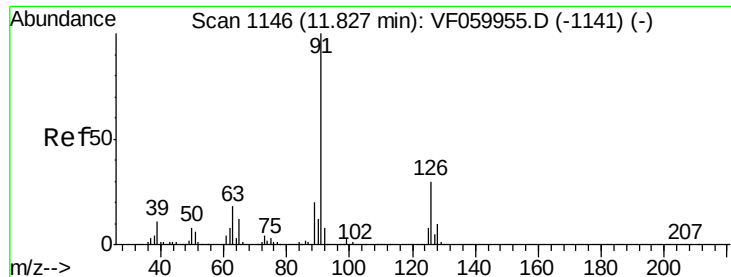
120 22.9 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 98.53 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 516426

Ion Ratio Lower Upper

91 100

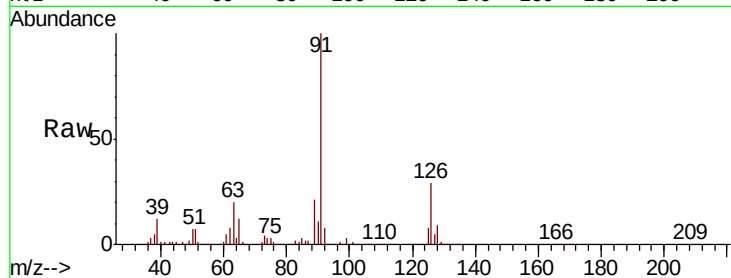
126 29.2 15.2 45.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF059955.D (-1141) (-)

Ion 126.00 (125.70 to 126.70): VF059955.D (-1141) (-)

11.82

300000

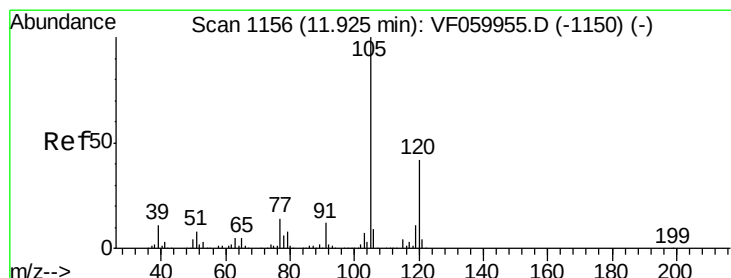
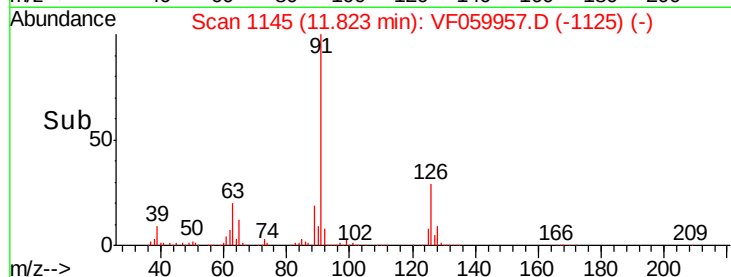
200000

100000

0

11.75 11.80 11.85 11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 100.43 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VF059957.D

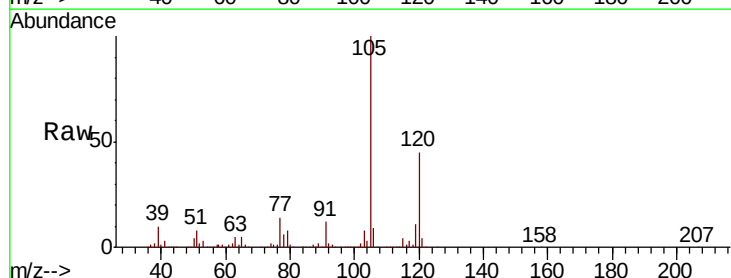
Acq: 14 Aug 2018 21:00

Tgt Ion:105 Resp: 655898

Ion Ratio Lower Upper

105 100

120 45.5 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): VF059955.D (-1150) (-)

Ion 120.00 (119.70 to 120.70): VF059955.D (-1150) (-)

11.93

400000

300000

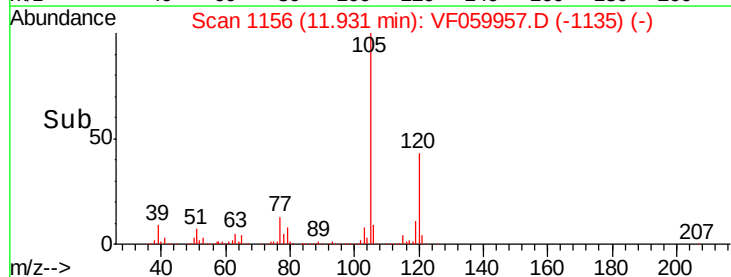
200000

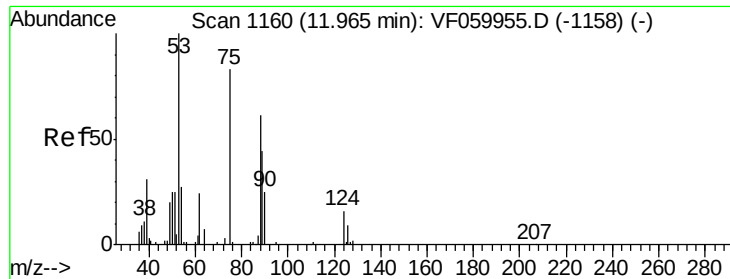
100000

0

11.80 12.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 99.27 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 44675

Ion Ratio Lower Upper

75 100

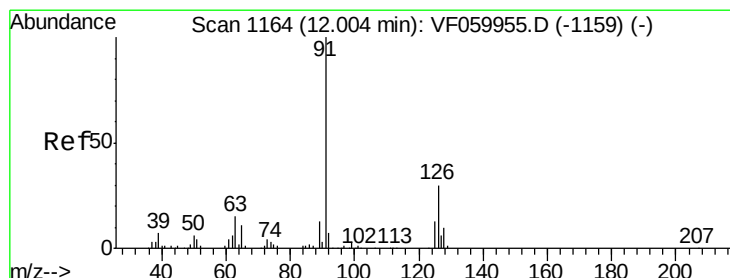
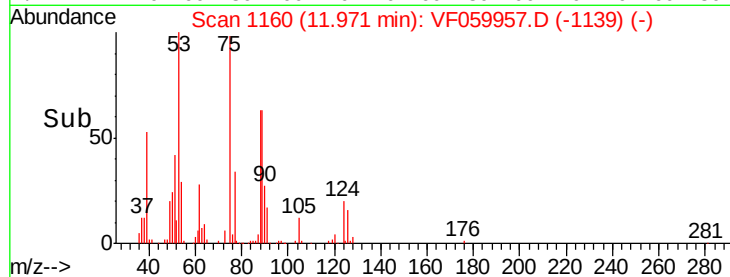
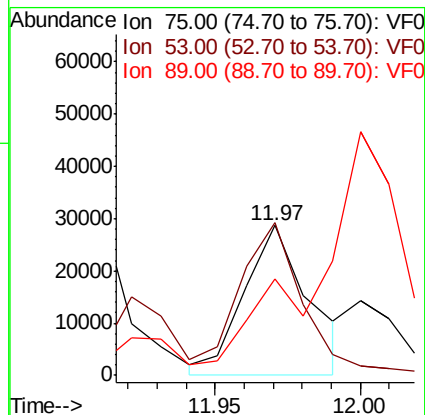
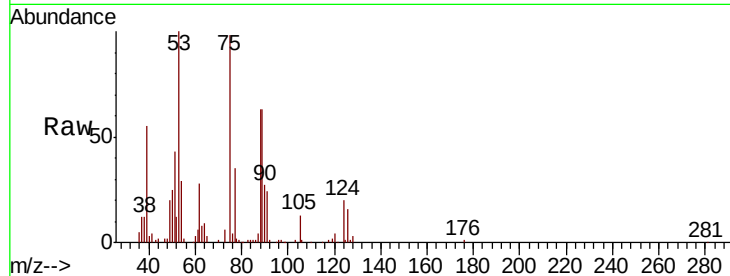
53 101.6 97.1 145.7

89 64.1 43.6 65.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 97.88 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VF059957.D

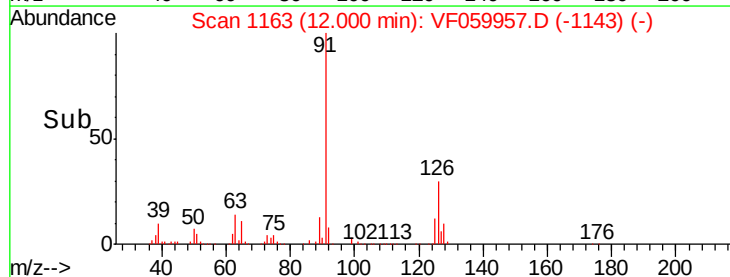
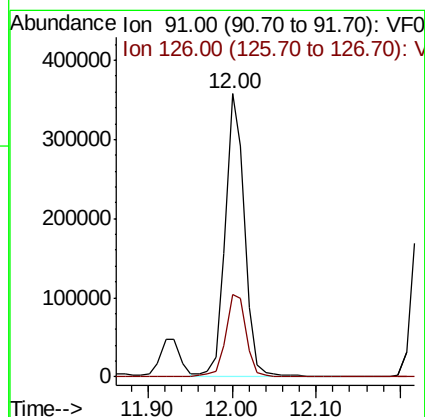
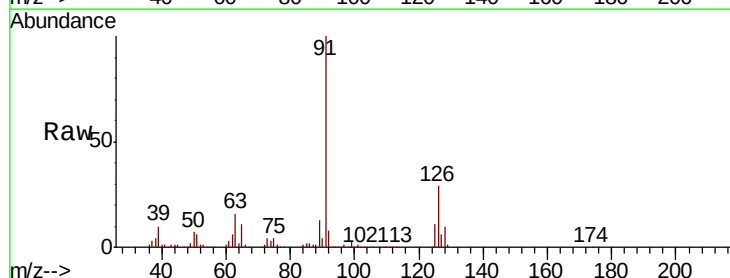
Acq: 14 Aug 2018 21:00

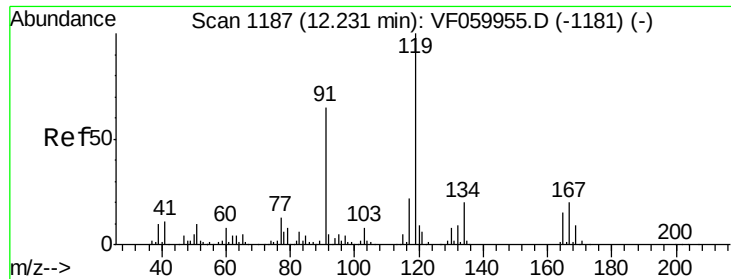
Tgt Ion: 91 Resp: 563735

Ion Ratio Lower Upper

91 100

126 29.2 15.3 45.8





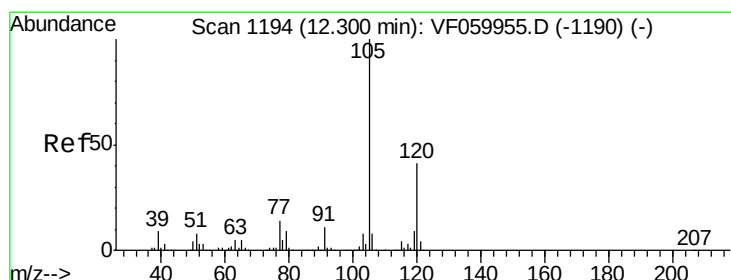
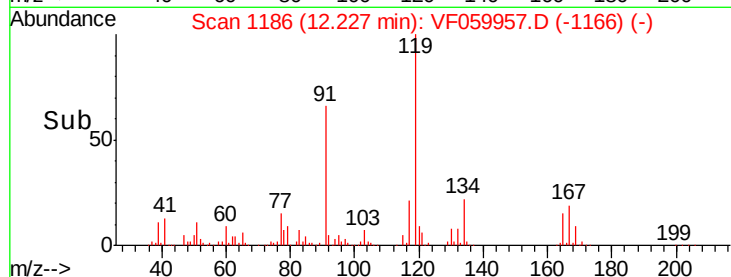
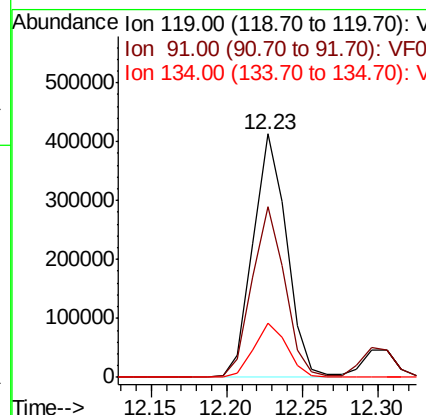
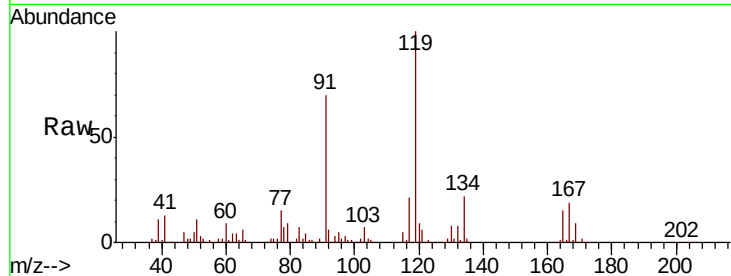
#83
 tert-Butylbenzene
 Concen: 100.57 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.9	32.6	98.0
134	22.1	10.1	30.3

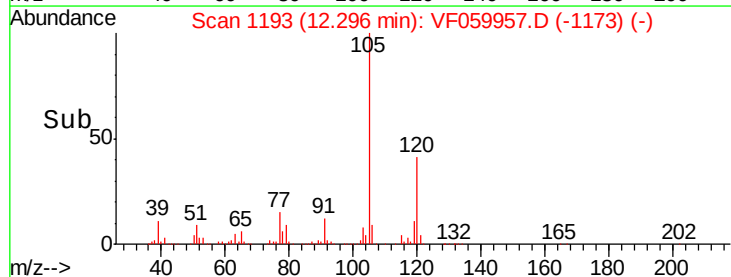
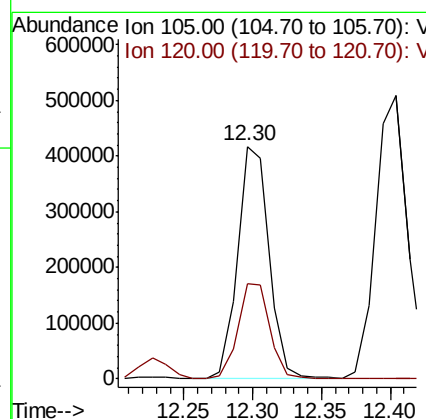
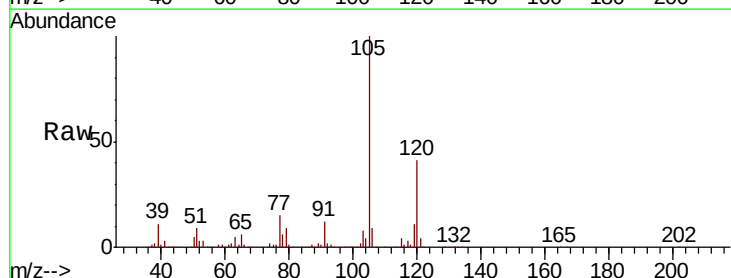
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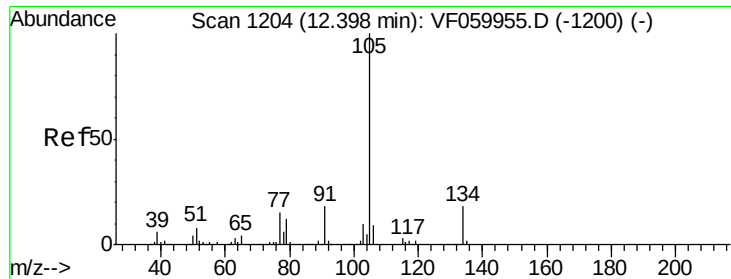
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 97.94 ug/l
 RT: 12.30 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.8	20.6	61.9





#85

sec-Butylbenzene

Concen: 95.94 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 813929

Ion Ratio Lower Upper

105 100

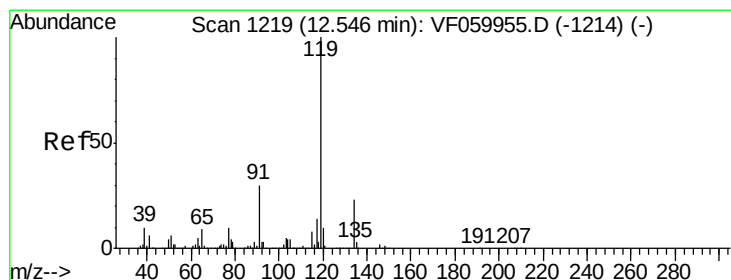
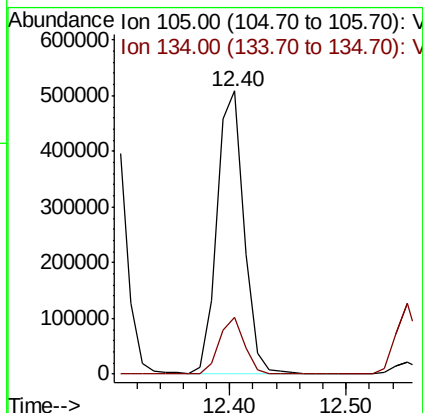
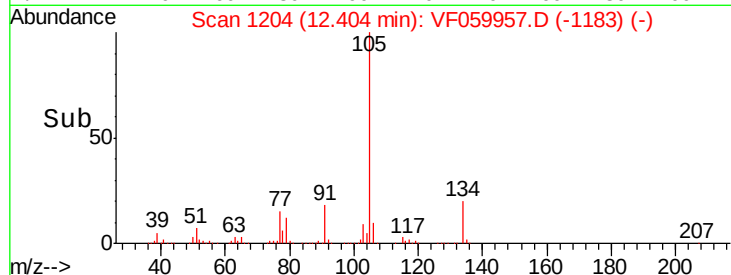
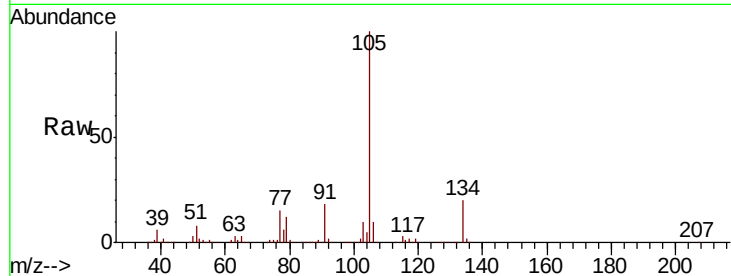
134 20.0 8.9 26.7

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#86

p-Isopropyltoluene

Concen: 102.09 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

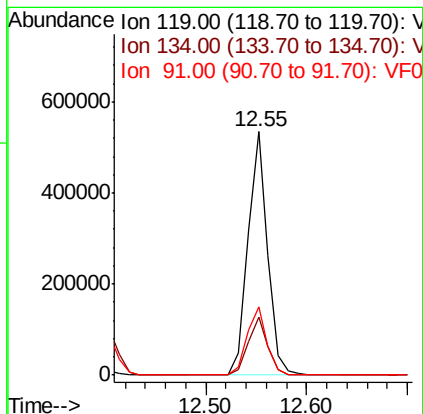
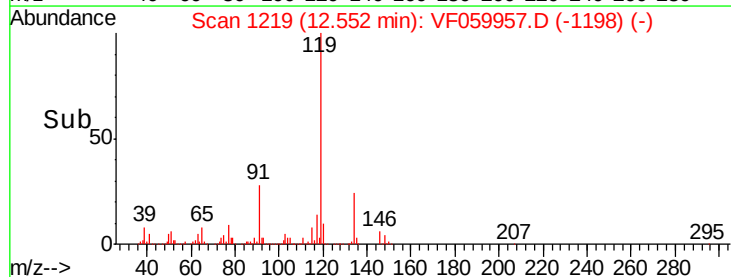
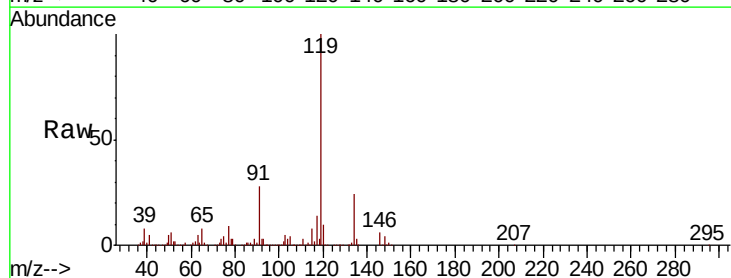
Tgt Ion:119 Resp: 725624

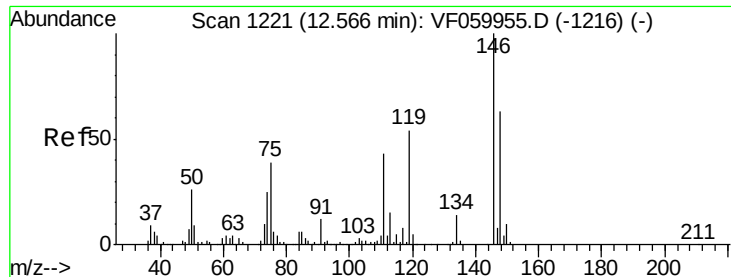
Ion Ratio Lower Upper

119 100

134 23.9 11.4 34.2

91 27.8 14.8 44.4





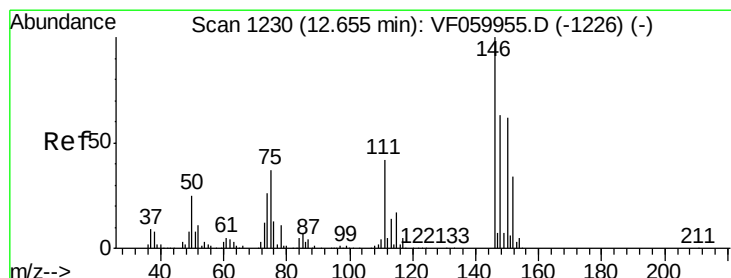
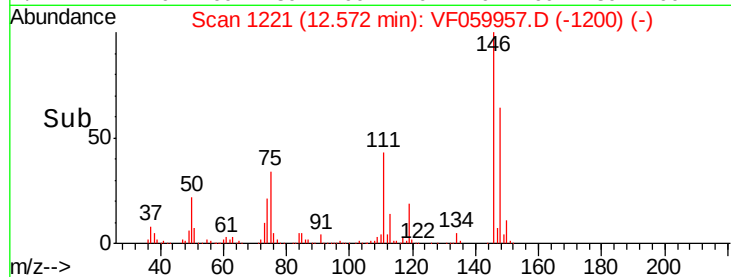
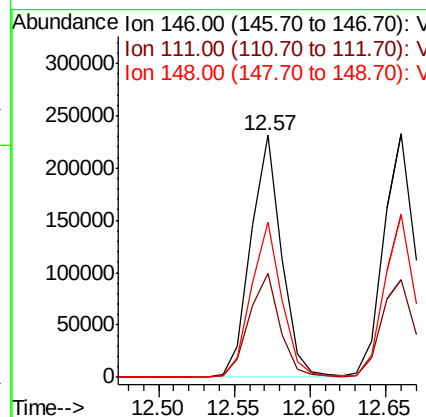
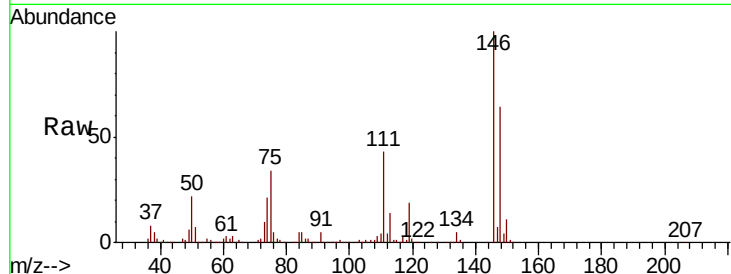
#87
 1,3-Dichlorobenzene
 Concen: 90.47 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	64.3	31.4	94.3

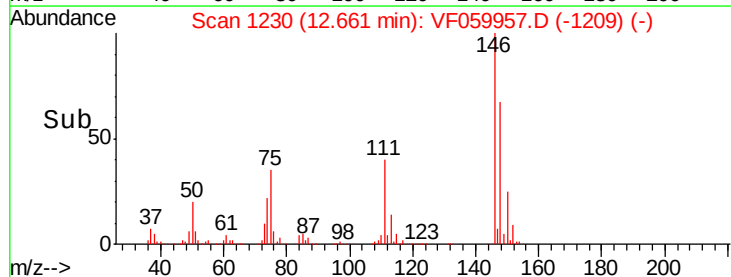
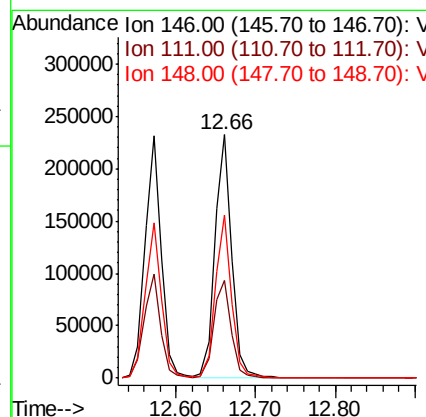
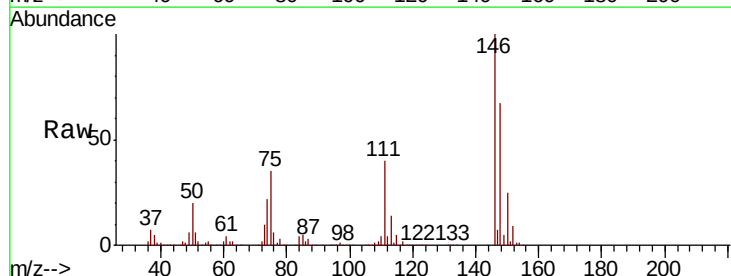
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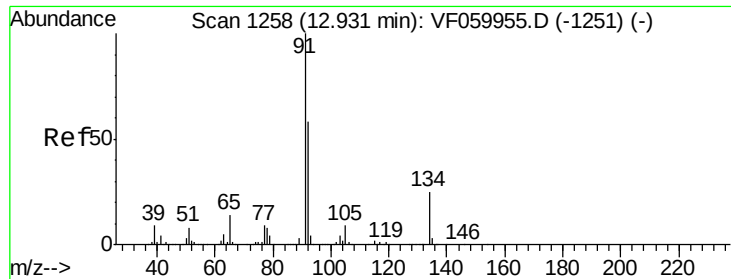
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 96.27 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.1	63.1
148	66.8	31.7	95.1





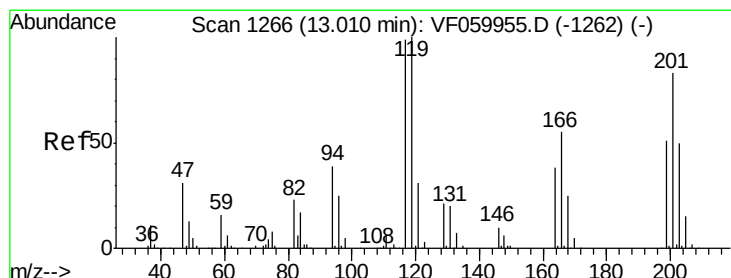
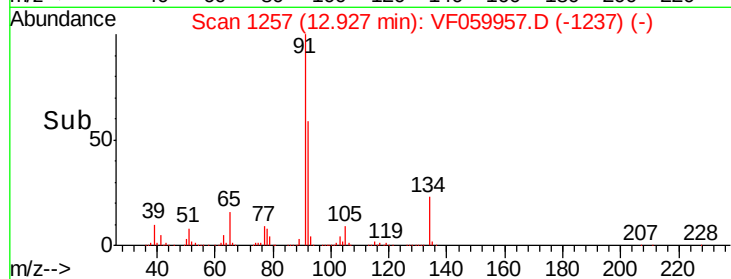
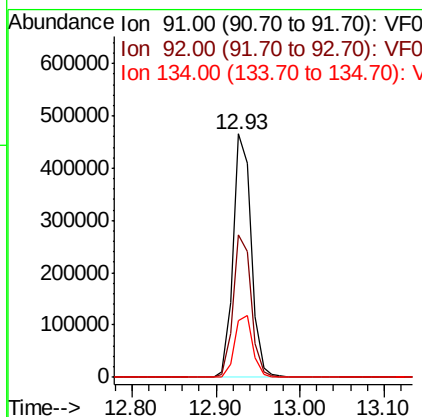
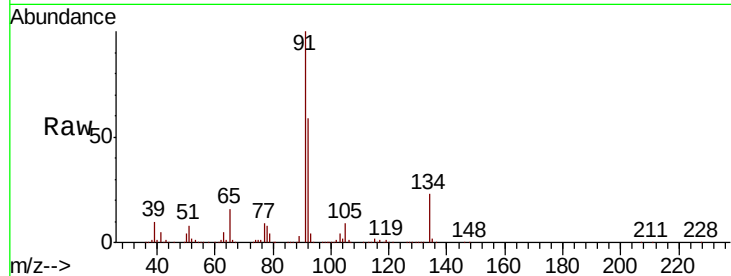
#89
n-Butylbenzene
Concen: 100.87 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.6	29.2	87.6
134	23.2	12.8	38.3

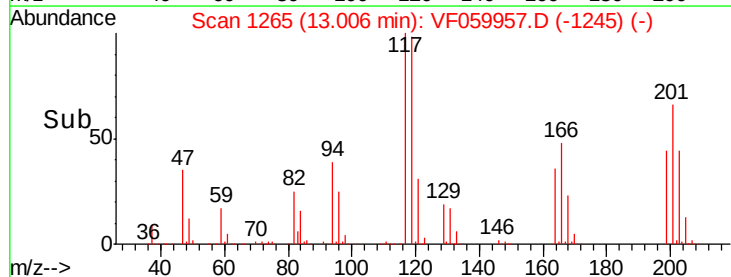
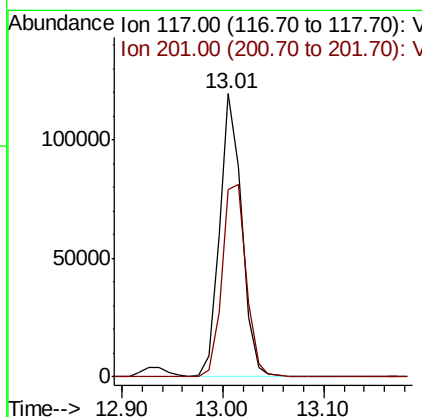
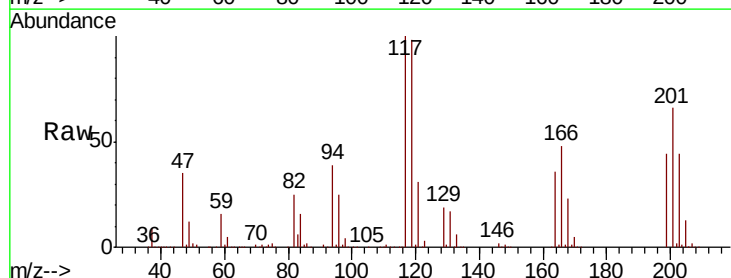
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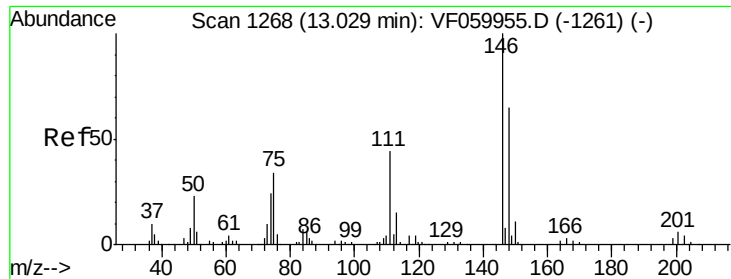
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#90
Hexachloroethane
Concen: 94.41 ug/l
RT: 13.01 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VF059957.D
Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.0	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 93.75 ug/l

RT: 13.04 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

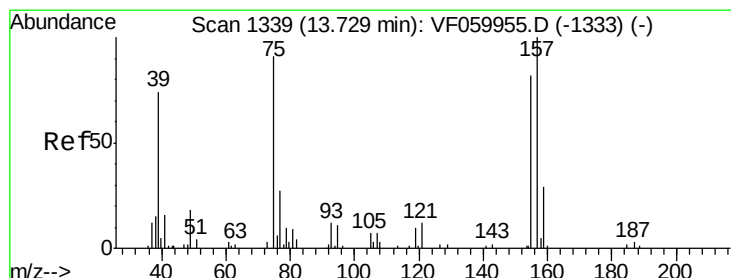
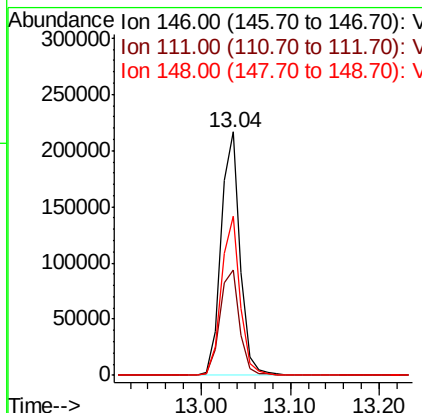
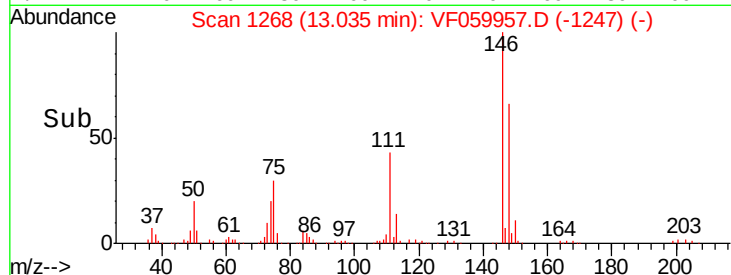
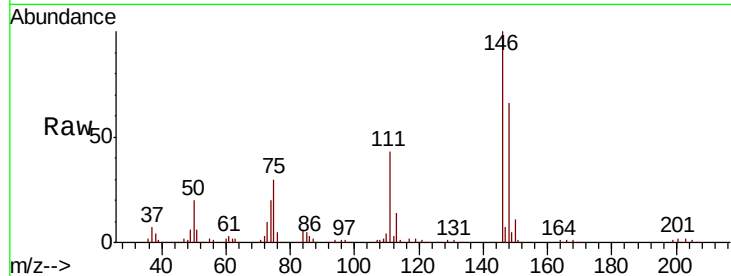
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	326609
Ion Ratio	Lower	Upper	
146	100		
111	43.5	22.0	66.0
148	65.6	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 100.67 ug/l

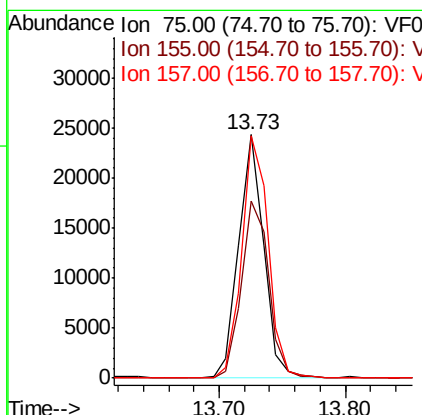
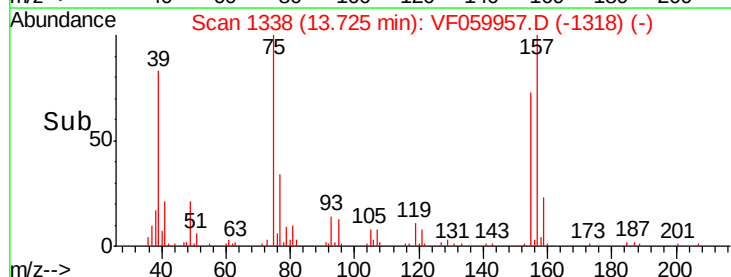
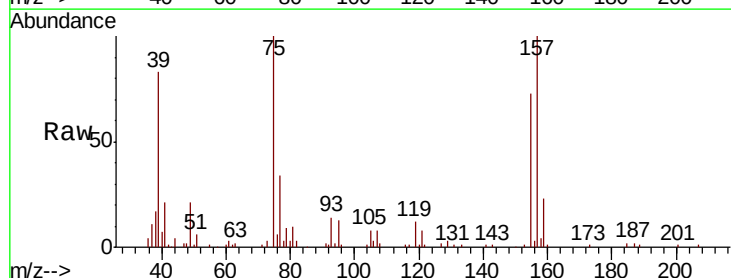
RT: 13.73 min Scan# 1338

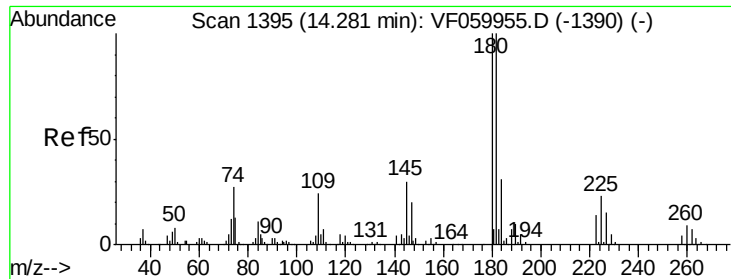
Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion:	75	Resp:	33325
Ion Ratio	Lower	Upper	
75	100		
155	72.9	44.6	134.0
157	99.8	54.8	164.3





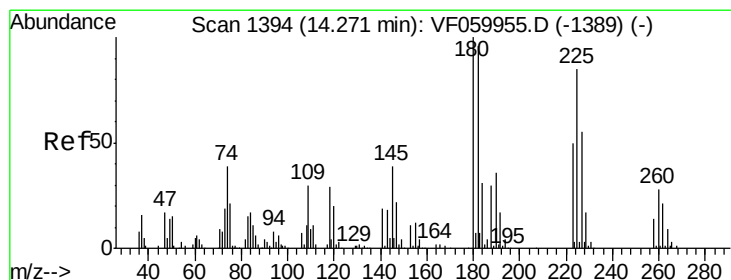
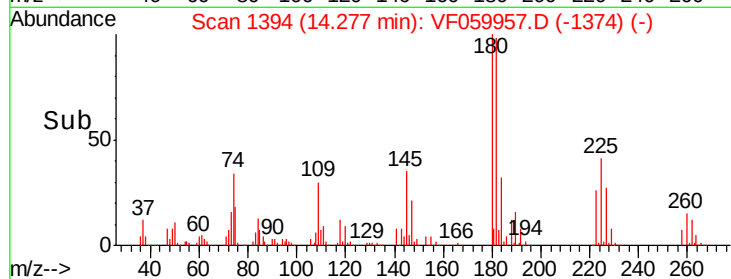
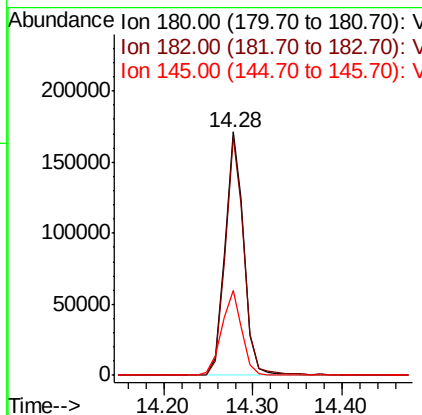
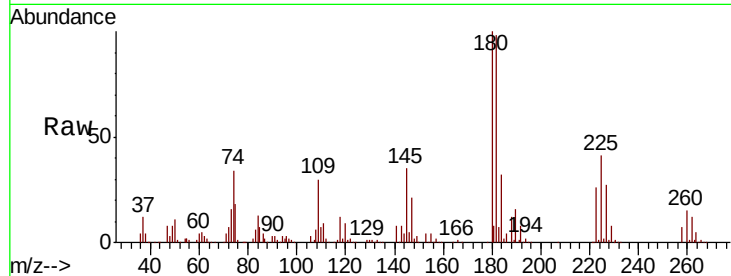
#93
 1,2,4-Trichlorobenzene
 Concen: 95.84 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	256902		
182	97.8	50.2	150.7	
145	34.9	14.9	44.9	

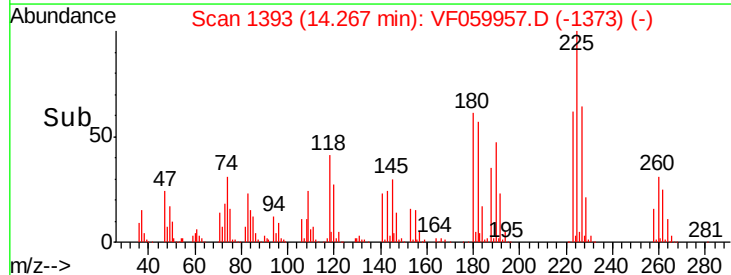
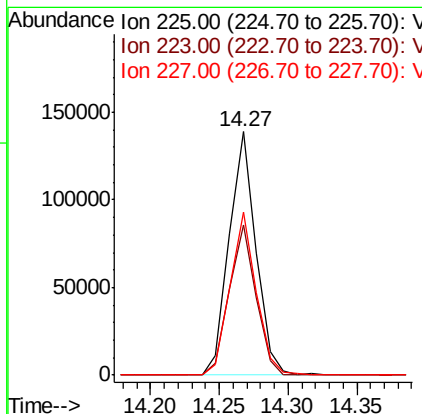
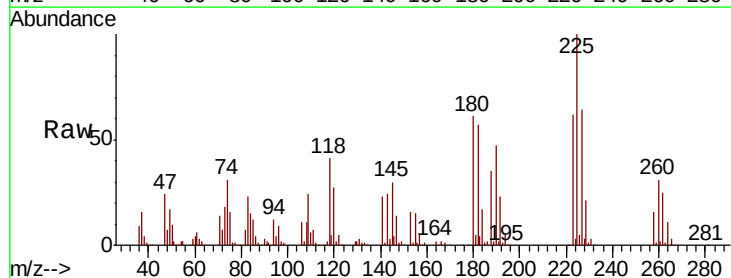
Manual Integrations
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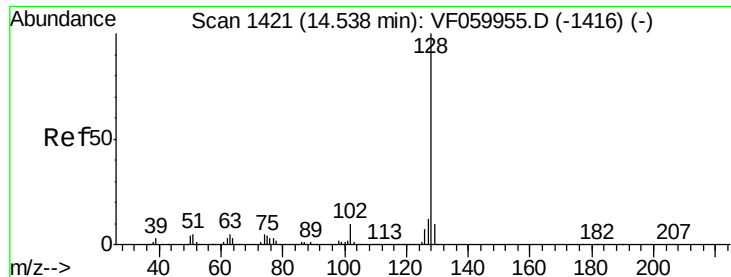
apatel
 8/16/2018 12:15:15 PM



#94
 Hexachlorobutadiene
 Concen: 98.67 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059957.D
 Acq: 14 Aug 2018 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	187188		
223	61.6	29.6	88.8	
227	67.2	32.5	97.5	





#95

Naphthalene

Concen: 102.16 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Instrument :

MSVOA_F

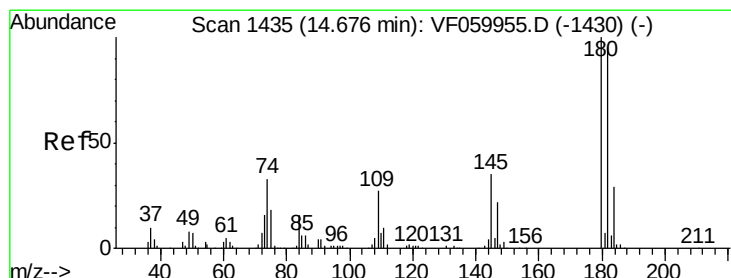
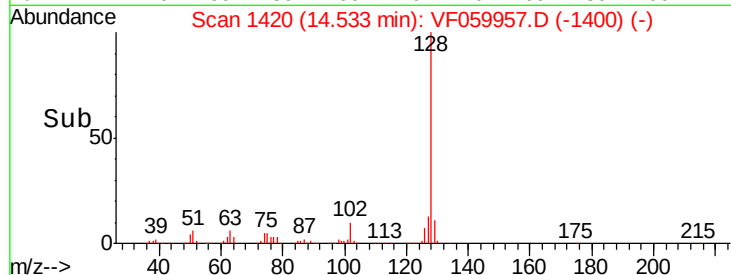
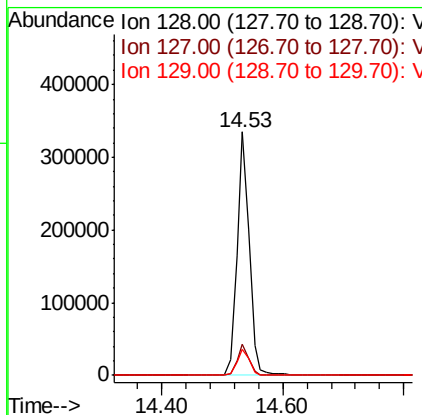
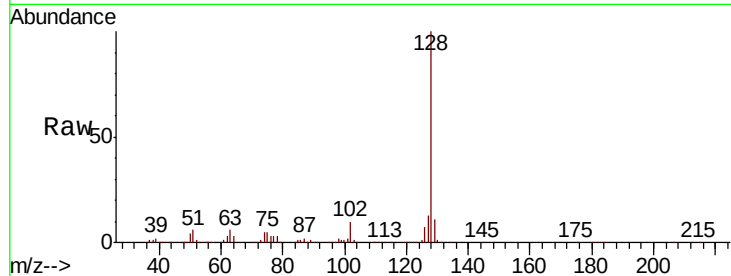
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	468570
Ion Ratio		Lower	Upper
128	100		
127	12.9	9.9	14.9
129	10.8	8.4	12.6

Manual Integrations
APPROVED

apatel
8/16/2018 12:15:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 99.02 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VF059957.D

Acq: 14 Aug 2018 21:00

Tgt Ion:	180	Resp:	259621
Ion Ratio		Lower	Upper
180	100		
182	100.6	47.5	142.6
145	32.3	17.6	52.8

