

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059953.D
 Acq On : 14 Aug 2018 19:09
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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 8/16/2018 12:14:58 PM

Quant Time: Aug 15 09:07:09 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	116223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	150296	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	154315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	106055	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	20067	9.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.12%	
35) Dibromofluoromethane	4.31	113	16721	11.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.54%	
50) Toluene-d8	7.73	98	33894	10.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.26%	
62) 4-Bromofluorobenzene	11.52	95	17802	9.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	19027	9.82	ug/l	94
3) Chloromethane	1.09	50	7166	7.98	ug/l #	78
4) Vinyl Chloride	1.15	62	9087	9.75	ug/l #	79
5) Bromomethane	1.35	94	8458	9.69	ug/l	86
6) Chloroethane	1.44	64	5976	10.24	ug/l #	85
7) Trichlorofluoromethane	1.54	101	27084m	10.52	ug/l	
8) Diethyl Ether	1.70	74	3288	8.17	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	14553	10.38	ug/l	91
10) Methyl Iodide	1.98	142	20806	9.70	ug/l #	96
11) Tert butyl alcohol	2.69	59	4126	48.15	ug/l #	85
12) 1,1-Dichloroethene	1.87	96	10035	9.77	ug/l	92
13) Acrolein	2.09	56	1576m	30.95	ug/l	
14) Allyl chloride	2.20	41	12747	7.73	ug/l	91
15) Acrylonitrile	3.07	53	6243	41.71	ug/l	86
16) Acetone	2.35	43	21890	56.33	ug/l	99
17) Carbon Disulfide	1.89	76	24999	9.26	ug/l	93
18) Methyl Acetate	2.46	43	5932	9.28	ug/l #	85
19) Methyl tert-butyl Ether	2.54	73	28005	9.63	ug/l	99
20) Methylene Chloride	2.29	84	12359m	13.48	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	8852	8.72	ug/l	94
22) Diisopropyl ether	2.94	45	30143	9.16	ug/l	96
23) Vinyl Acetate	3.34	43	72938	45.55	ug/l #	96
24) 1,1-Dichloroethane	3.02	63	21115	8.84	ug/l	97
25) 2-Butanone	4.53	43	22050	52.87	ug/l	92
26) 2,2-Dichloropropane	3.76	77	14889	10.49	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	9746	8.62	ug/l	94
28) Bromochloromethane	3.90	49	7461	8.71	ug/l #	90
29) Tetrahydrofuran	4.27	42	7282	47.44	ug/l	94
30) Chloroform	4.05	83	31131	9.62	ug/l	97
31) Cyclohexane	3.87	56	10776	9.14	ug/l	89
32) 1,1,1-Trichloroethane	4.29	97	24242	9.35	ug/l	91
36) 1,1-Dichloropropene	4.48	75	17485	10.25	ug/l	92
37) Ethyl Acetate	4.31	43	8226	11.24	ug/l	86
38) Carbon Tetrachloride	4.19	117	30696	12.06	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	12650	9.94	ug/l	96
40) Benzene	4.83	78	29159	7.69	ug/l	93
41) Methacrylonitrile	4.94	41	3392	8.85	ug/l #	74
42) 1,2-Dichloroethane	5.12	62	23477	9.87	ug/l	97
43) Isopropyl Acetate	7.13	43	7974	10.34	ug/l	99
44) Trichloroethene	5.70	130	11699	10.31	ug/l	79
45) 1,2-Dichloropropane	6.42	63	7089	9.04	ug/l	91
46) Dibromomethane	6.27	93	8056	10.13	ug/l	91
47) Bromodichloromethane	6.56	83	22651	10.40	ug/l	93
48) Methyl methacrylate	6.88	41	5149	8.65	ug/l #	73
49) 1,4-Dioxane	6.88	88	868	229.15	ug/l #	65
51) 4-Methyl-2-Pentanone	8.42	43	39707	50.71	ug/l	97
52) Toluene	7.80	92	21917	10.11	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	18858	11.19	ug/l #	86
54) cis-1,3-Dichloropropene	7.47	75	17164	9.96	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	7061	9.06	ug/l #	87
56) Ethyl methacrylate	8.78	69	7436	11.69	ug/l	96
57) 1,3-Dichloropropane	9.02	76	13901	10.27	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.80	63	5821	56.46	ug/l	100
59) 2-Hexanone	9.65	43	27916	50.17	ug/l	97
60) Dibromochloromethane	8.88	129	14518	9.88	ug/l	96
61) 1,2-Dibromoethane	9.15	107	9515	10.02	ug/l #	78
64) Tetrachloroethene	8.32	164	12156	9.43	ug/l	90
65) Chlorobenzene	9.96	112	30085	9.73	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	14970	9.80	ug/l	85
67) Ethyl Benzene	10.05	91	52841	9.88	ug/l	94
68) m/p-Xylenes	10.28	106	36963	19.98	ug/l	98
69) o-Xylene	10.84	106	20016	10.31	ug/l	96
70) Styrene	10.91	104	28884	9.86	ug/l	97
71) Bromoform	10.90	173	9146	9.71	ug/l	93
73) Isopropylbenzene	11.24	105	63425	9.66	ug/l	97
74) N-amyl acetate	11.47	43	13110	10.53	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.80	83	10903	8.91	ug/l	96
76) 1,2,3-Trichloropropane	11.90	75	10001	9.47	ug/l	97
77) Bromobenzene	11.61	156	18226	10.18	ug/l	88
78) n-propylbenzene	11.70	91	81853	10.54	ug/l	98
79) 2-Chlorotoluene	11.83	91	50607	10.35	ug/l	94
80) 1,3,5-Trimethylbenzene	11.93	105	64614	10.61	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	3860m	9.20	ug/l	
82) 4-Chlorotoluene	12.01	91	56776	10.57	ug/l	98
83) tert-Butylbenzene	12.22	119	63117	10.58	ug/l	96
84) 1,2,4-Trimethylbenzene	12.30	105	64767	10.26	ug/l	95
85) sec-Butylbenzene	12.40	105	80034	10.12	ug/l	98
86) p-Isopropyltoluene	12.55	119	71136	10.73	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	35373	10.44	ug/l	99
88) 1,4-Dichlorobenzene	12.66	146	34567	10.36	ug/l	95
89) n-Butylbenzene	12.93	91	68591	10.73	ug/l	97
90) Hexachloroethane	13.00	117	16922	9.36	ug/l	77
91) 1,2-Dichlorobenzene	13.03	146	33922	10.44	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	3117	10.10	ug/l	61

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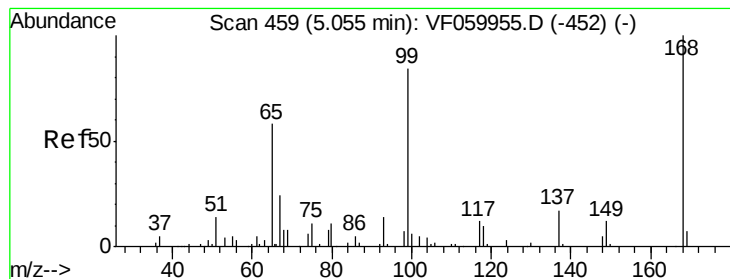
Manual Integrations
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QLast Update : Wed Aug 15 08:56:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	27198	10.88	ug/l	87
94) Hexachlorobutadiene	14.26	225	19459	11.00	ug/l	94
95) Naphthalene	14.53	128	37222	8.70	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	25212	10.31	ug/l	99

(#) = 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. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 116223

Ion Ratio Lower Upper

168 100

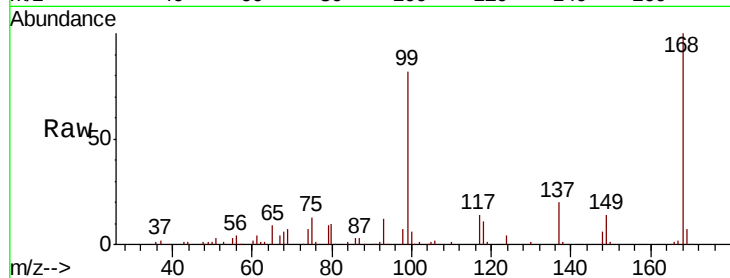
99 82.5 67.4 101.0

Manual Integrations

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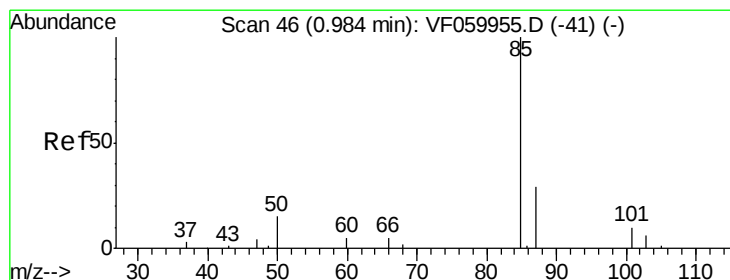
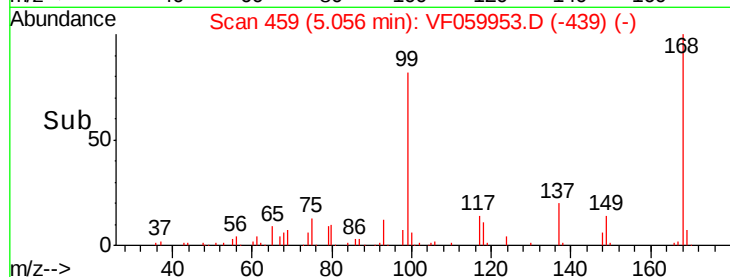
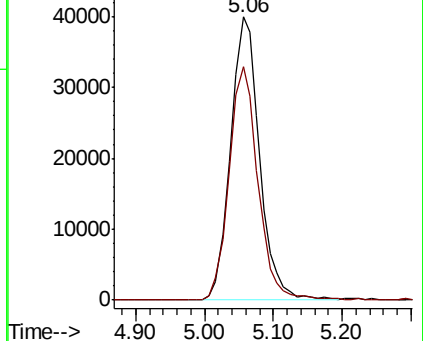
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 9.82 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059953.D

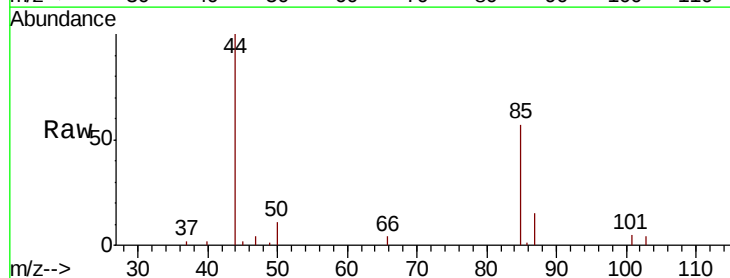
Acq: 14 Aug 2018 19:09

Tgt Ion: 85 Resp: 19027

Ion Ratio Lower Upper

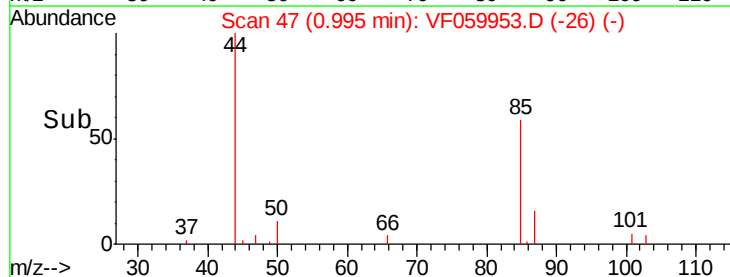
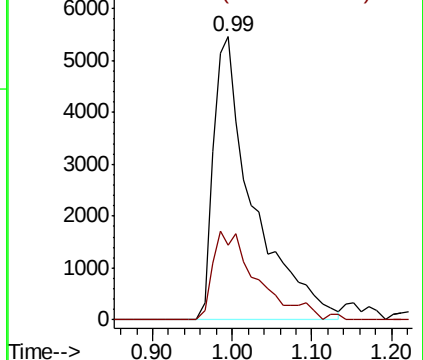
85 100

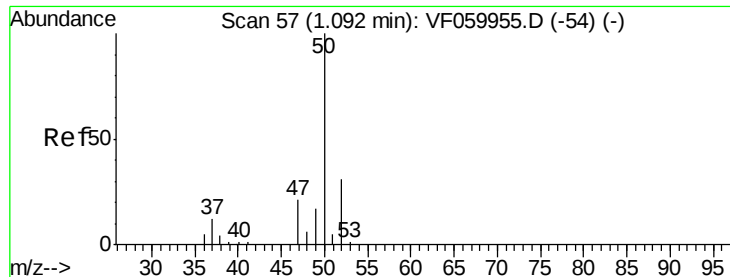
87 25.9 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 7.98 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 7166

Ion Ratio Lower Upper

50 100

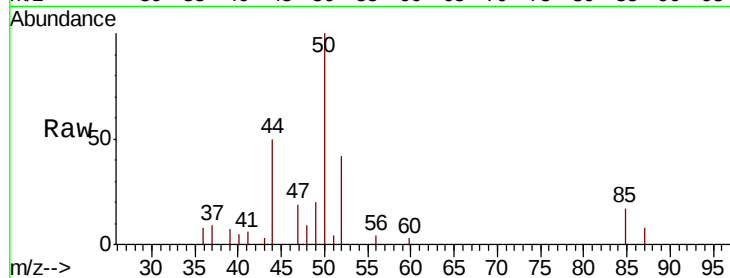
52 42.3 24.2 36.2#

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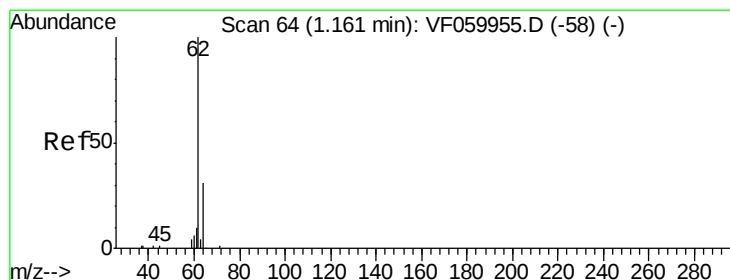
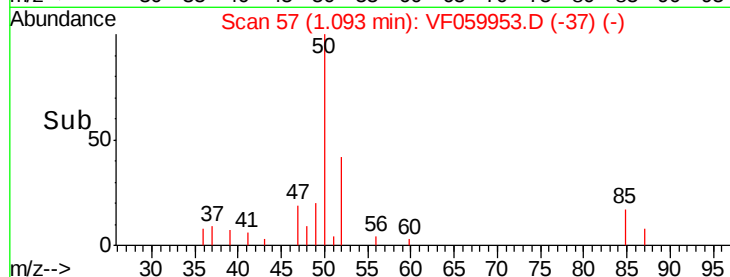
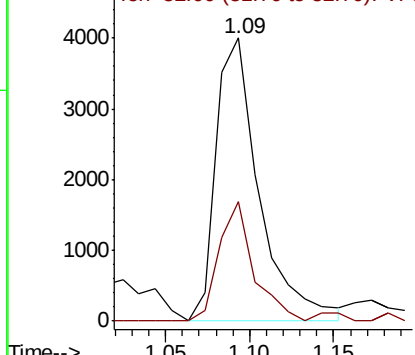
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 9.75 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059953.D

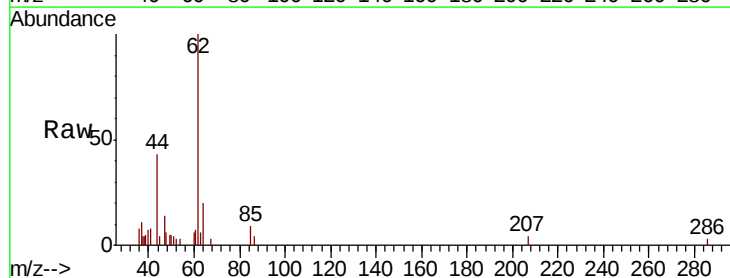
Acq: 14 Aug 2018 19:09

Tgt Ion: 62 Resp: 9087

Ion Ratio Lower Upper

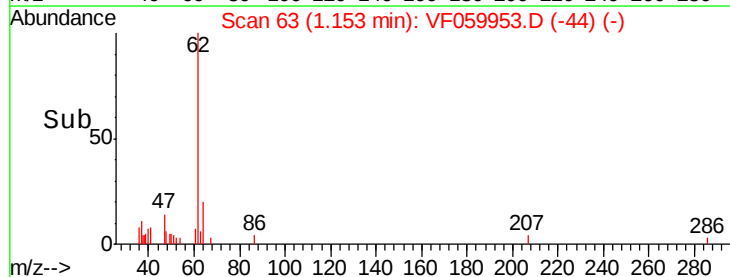
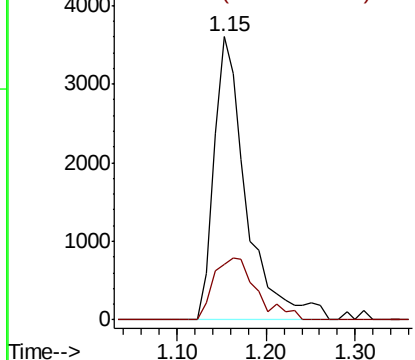
62 100

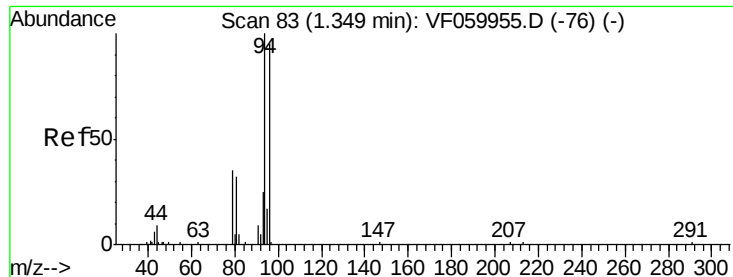
64 19.5 24.7 37.1#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 9.69 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 8458

Ion Ratio Lower Upper

94 100

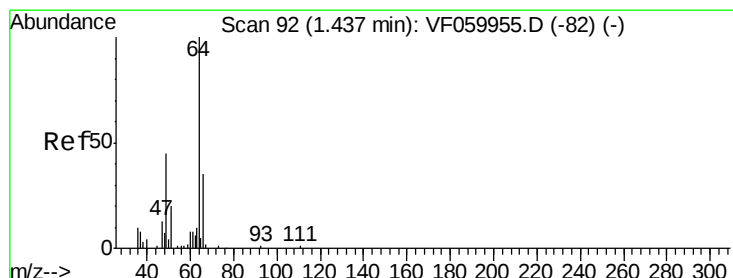
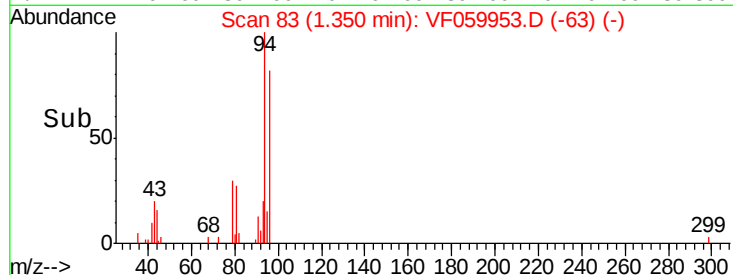
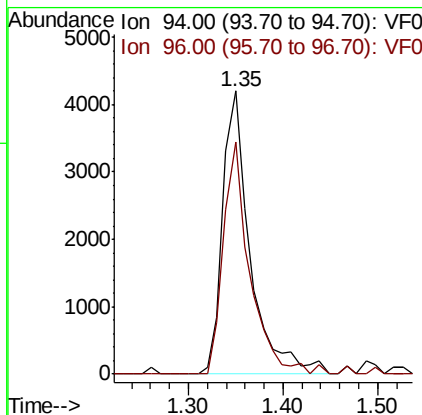
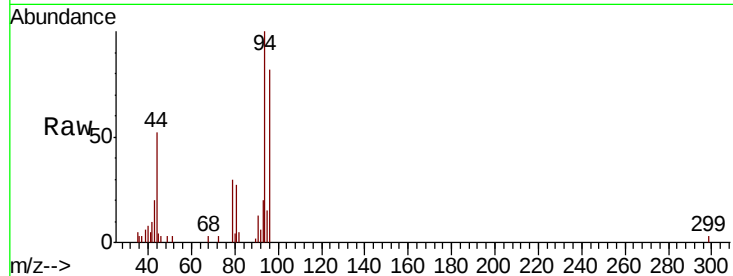
96 82.1 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 10.24 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF059953.D

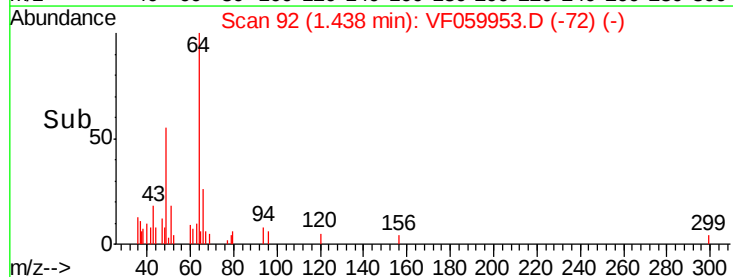
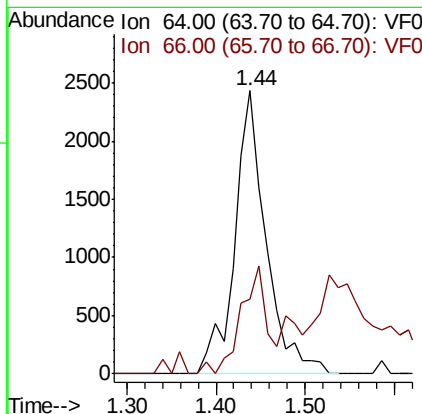
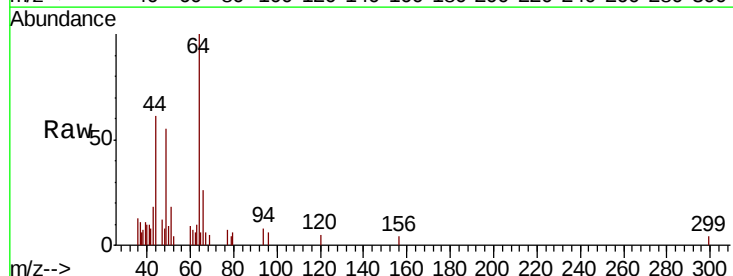
Acq: 14 Aug 2018 19:09

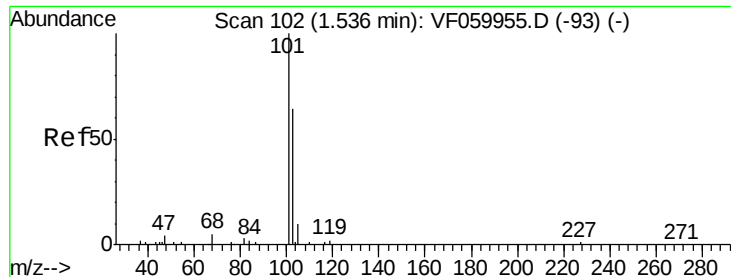
Tgt Ion: 64 Resp: 5976

Ion Ratio Lower Upper

64 100

66 26.2 28.2 42.2#





#7

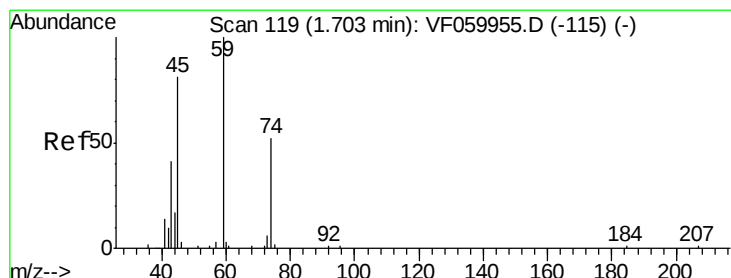
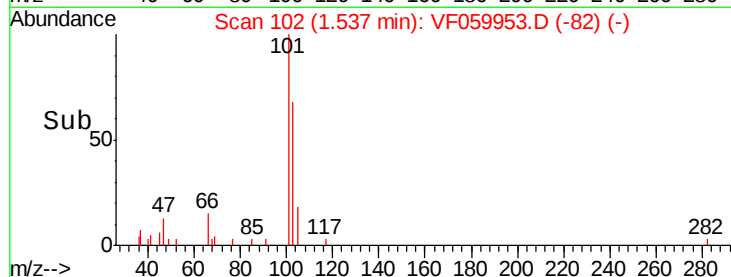
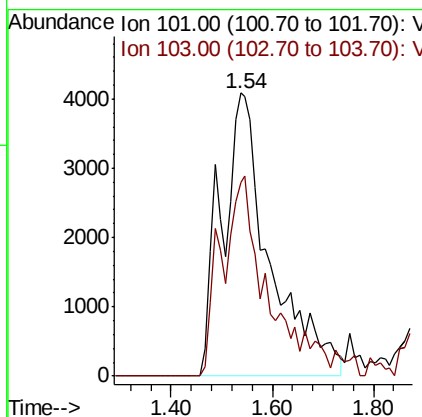
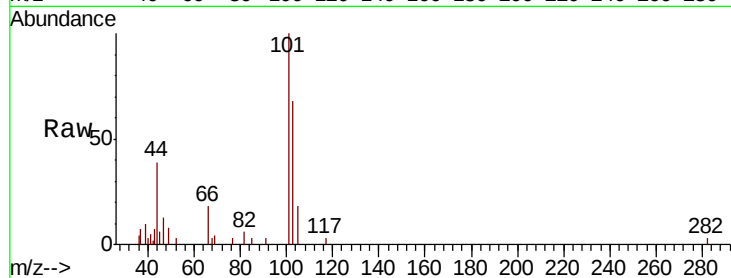
Trichlorofluoromethane
Concen: 10.52 ug/l m
RT: 1.54 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.3	51.6	77.4

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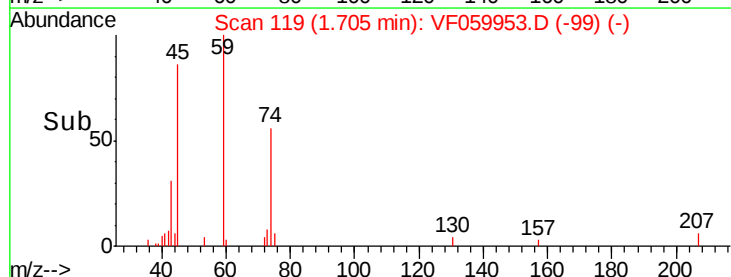
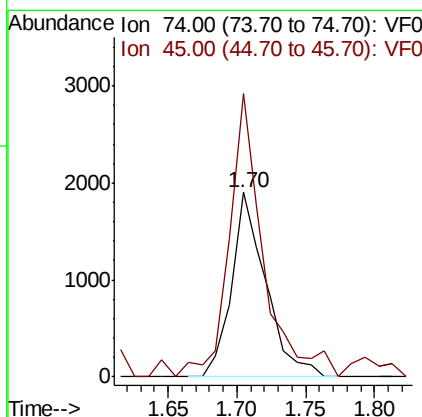
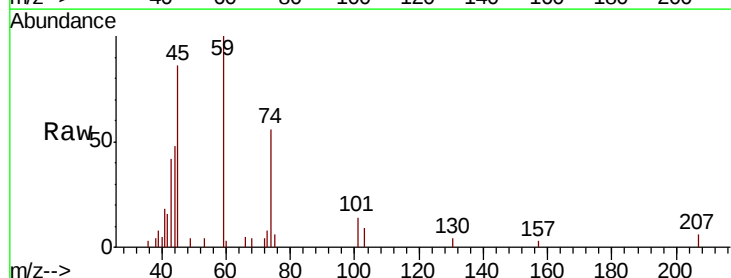
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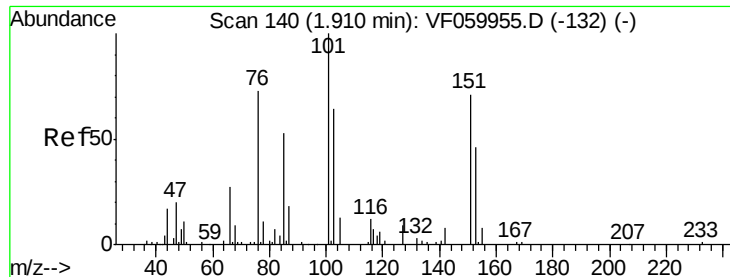


#8

Diethyl Ether
Concen: 8.17 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	153.6	77.5	232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.38 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

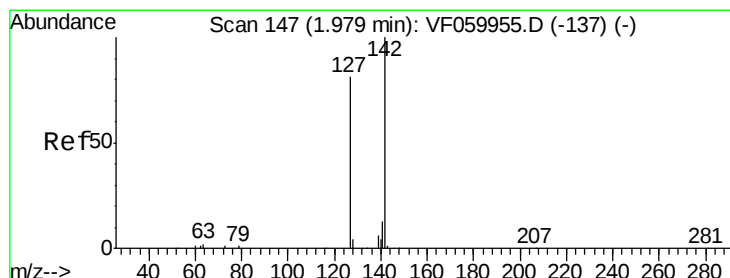
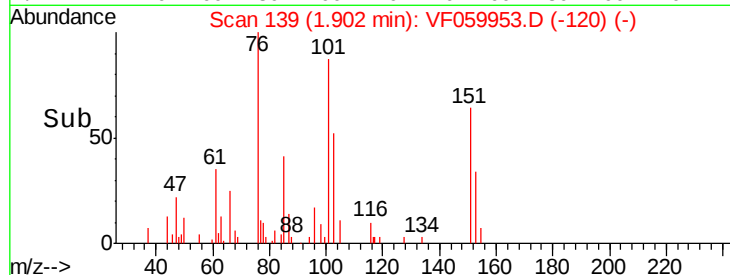
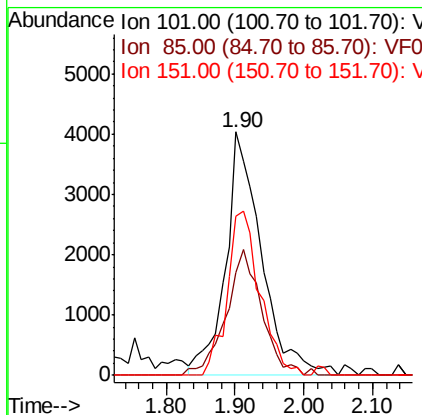
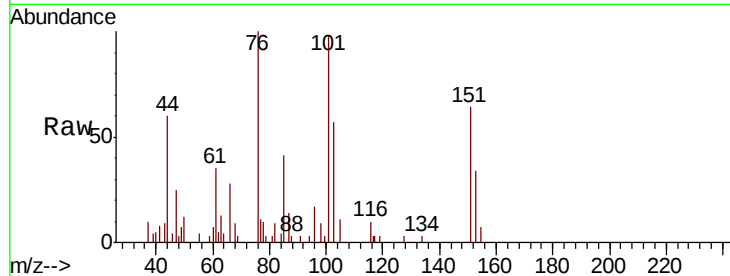
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	14553
Ion Ratio	Lower	Upper	
101	100		
85	42.2	42.1	63.1
151	65.5	55.4	83.0

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#10

Methyl Iodide

Concen: 9.70 ug/l

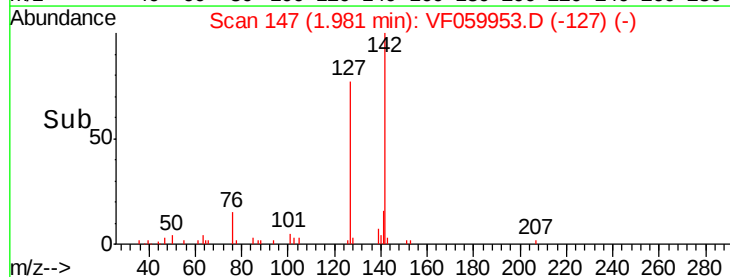
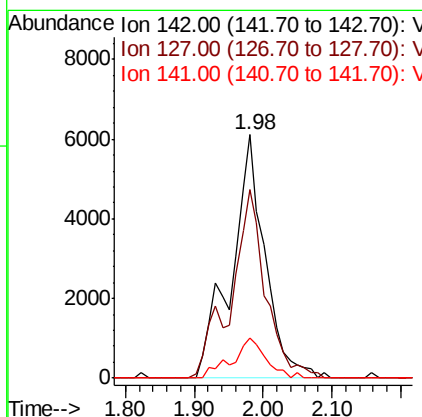
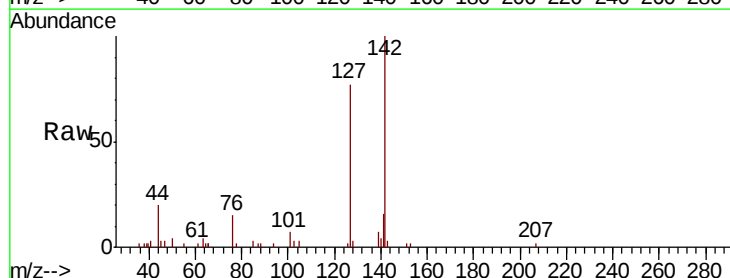
RT: 1.98 min Scan# 147

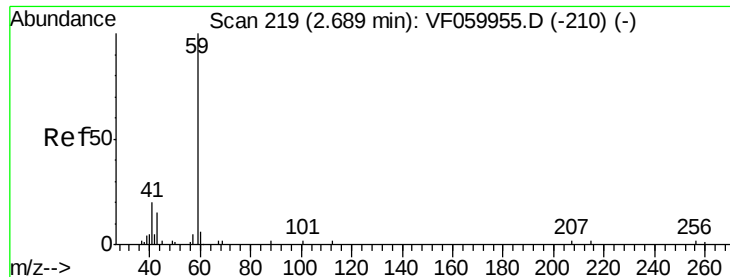
Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion:	142	Resp:	20806
Ion Ratio	Lower	Upper	
142	100		
127	77.4	64.5	96.7
141	16.2	10.8	16.2#





#11

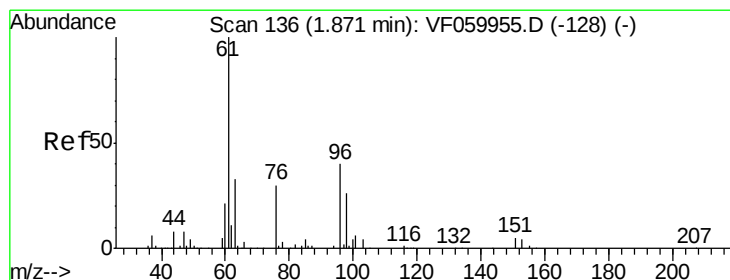
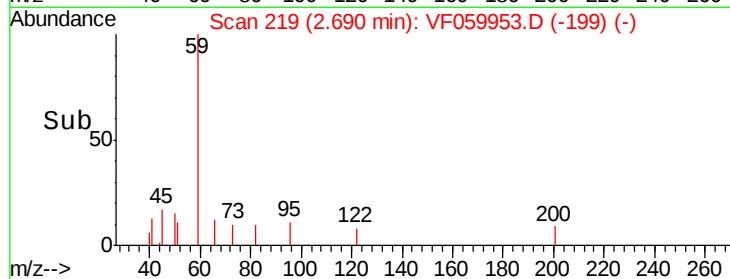
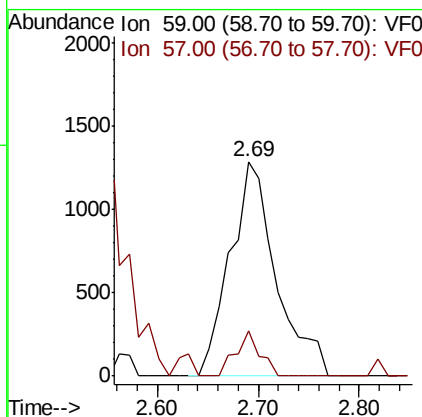
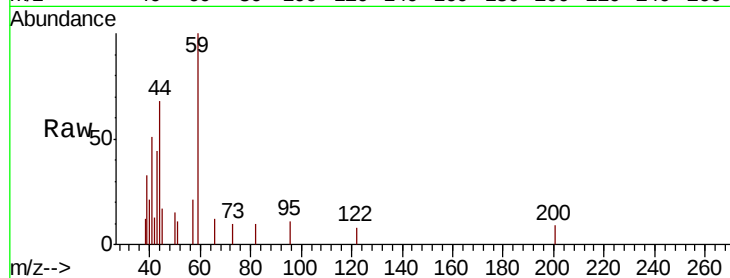
Tert butyl alcohol
Concen: 48.15 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	21.3	12.0	18.0#

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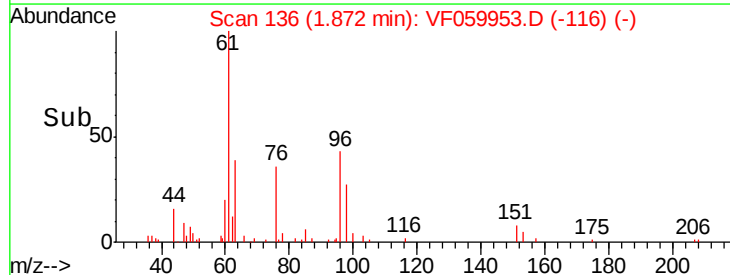
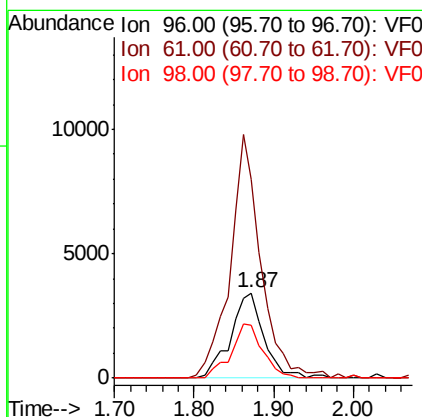
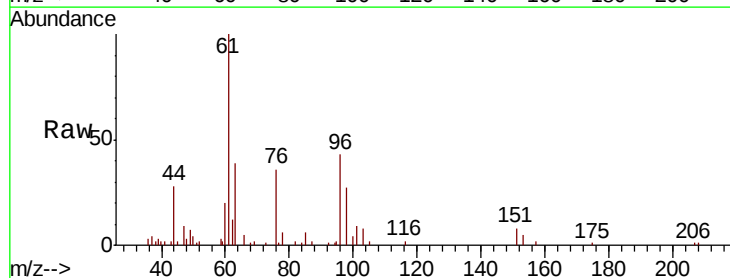
apatel
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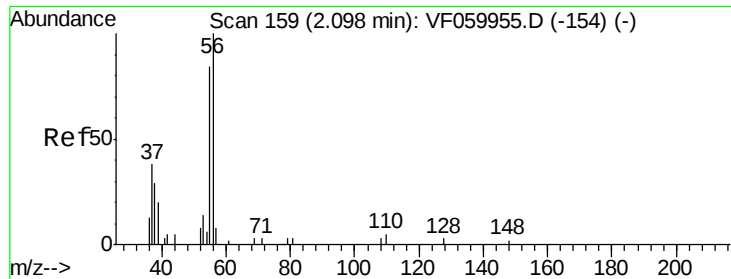


#12

1,1-Dichloroethene
Concen: 9.77 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	234.0	201.0	301.4
98	62.8	51.9	77.9





#13

Acrolein

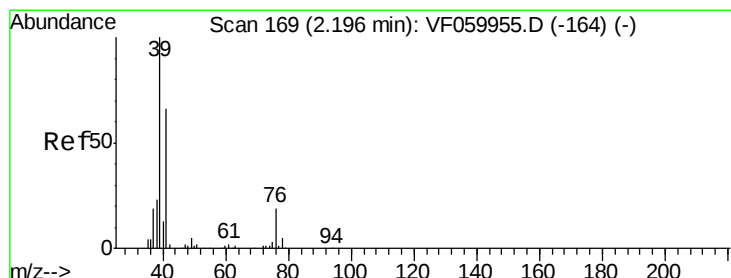
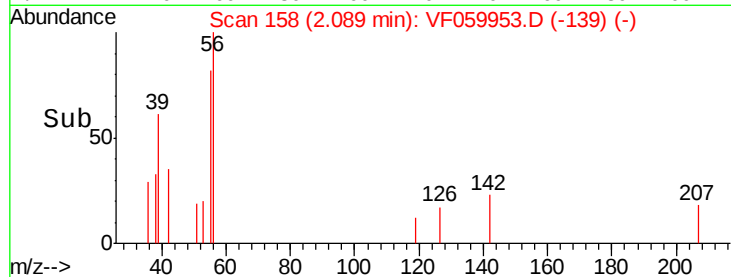
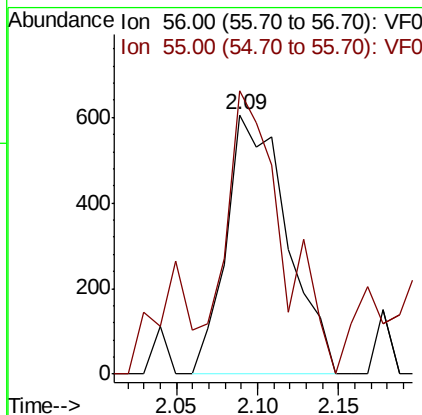
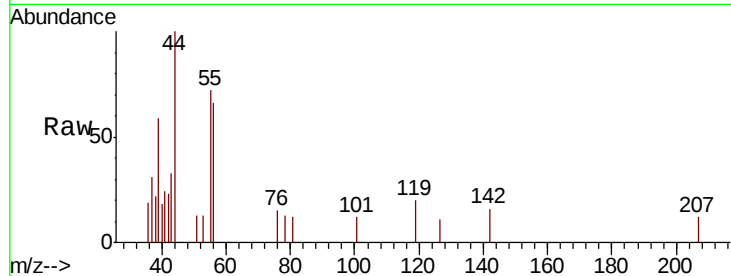
Concen: 30.95 ug/l m
 RT: 2.09 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VF059953.D
 Acq: 14 Aug 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
55	109.1	67.4	101.2#

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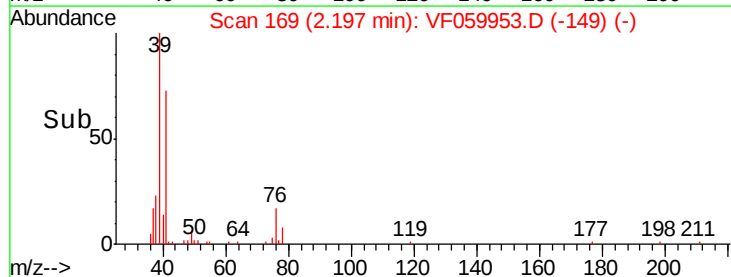
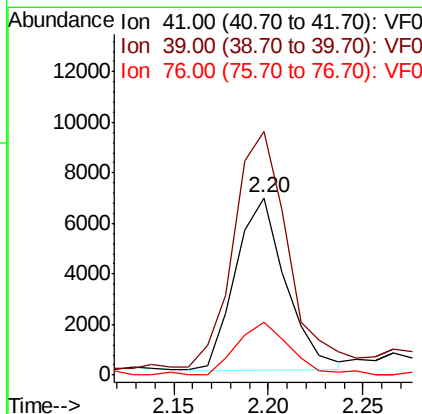
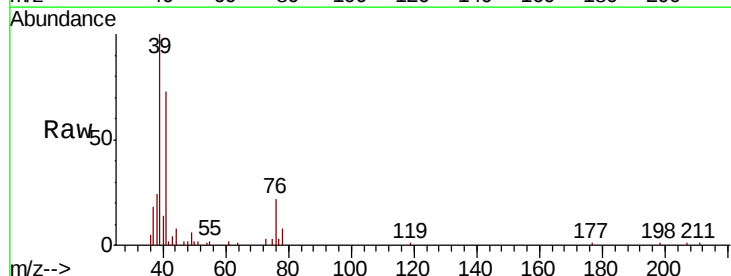


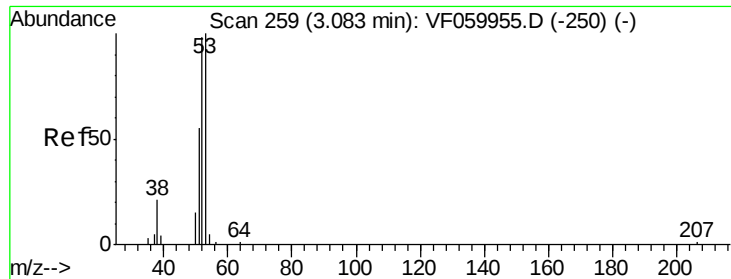
#14

Allyl chloride

Concen: 7.73 ug/l
 RT: 2.20 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VF059953.D
 Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Lower	Upper
41	100		
39	137.2	121.0	181.4
76	29.8	23.6	35.4





#15

Acrylonitrile

Concen: 41.71 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

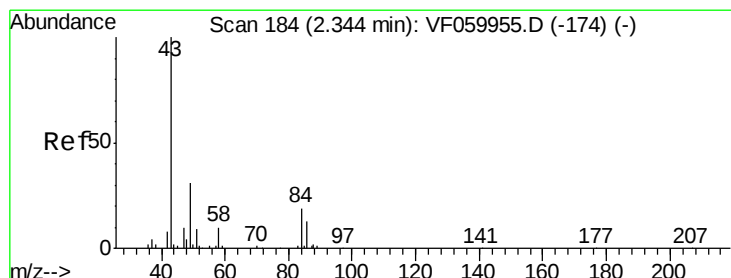
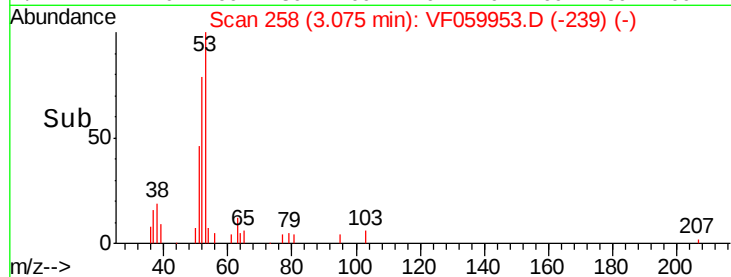
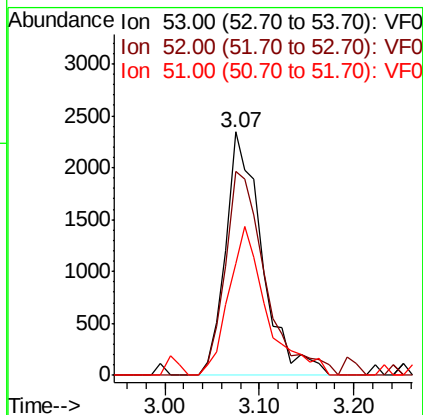
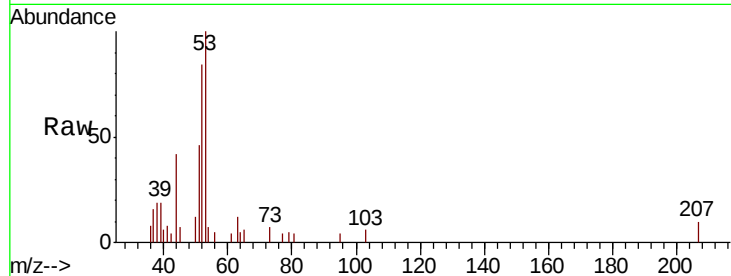
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	6243
Ion	Ratio	Lower	Upper
53	100		
52	83.9	78.1	117.1
51	46.0	44.2	66.4

Manual Integrations
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#16

Acetone

Concen: 56.33 ug/l

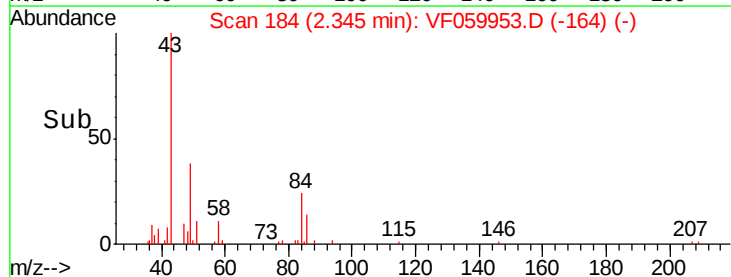
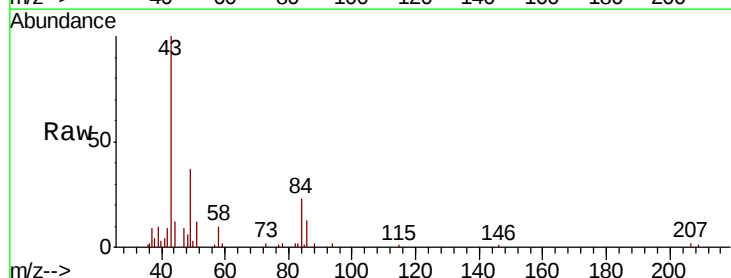
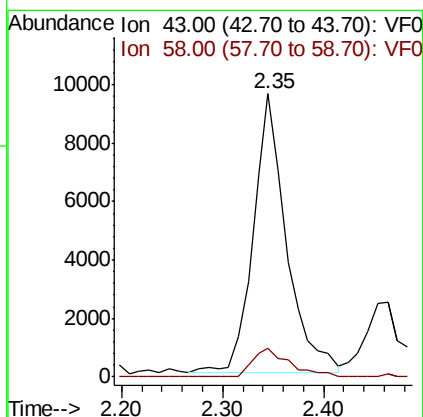
RT: 2.35 min Scan# 184

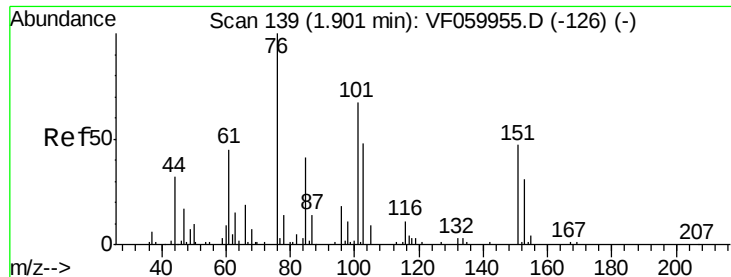
Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion:	43	Resp:	21890
Ion	Ratio	Lower	Upper
43	100		
58	10.3	8.1	12.1





#17

Carbon Disulfide

Concen: 9.26 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleID :

VSTDIC010

Tot Ion: 76 Resp: 24999

Ion Ratio Lower Upper

76 100

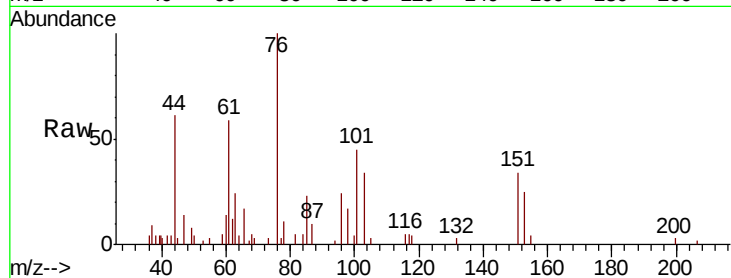
78 11.4 11.4 17.0

Manual Integrations

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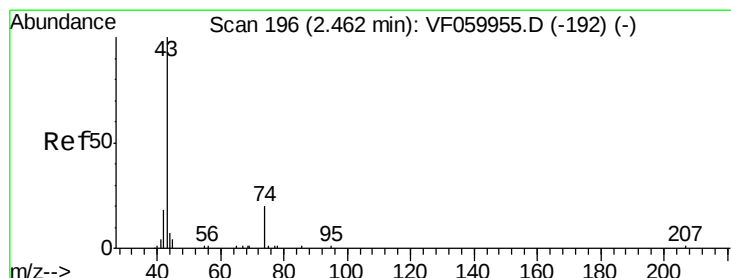
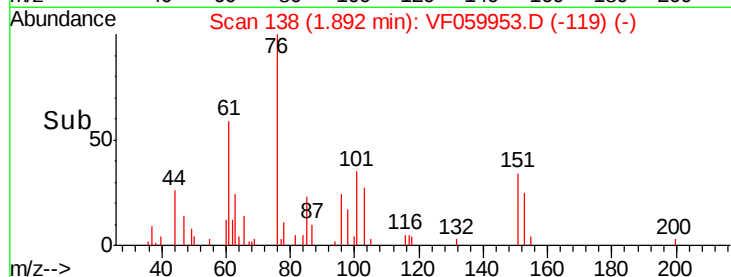
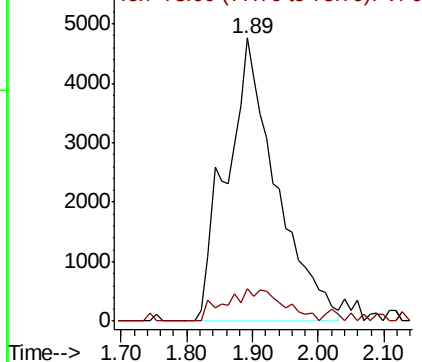
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 9.28 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF059953.D

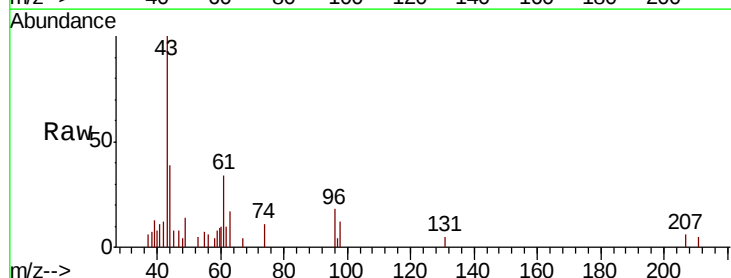
Acq: 14 Aug 2018 19:09

Tgt Ion: 43 Resp: 5932

Ion Ratio Lower Upper

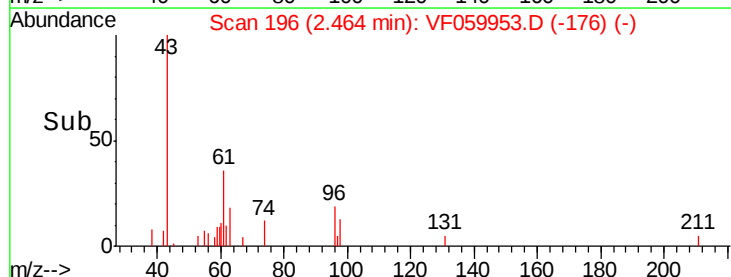
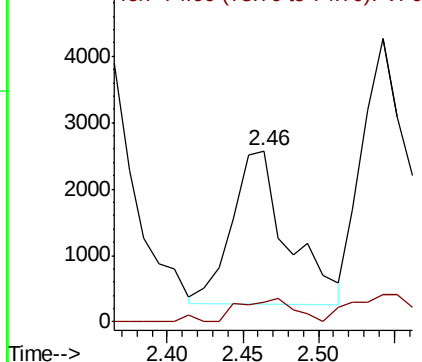
43 100

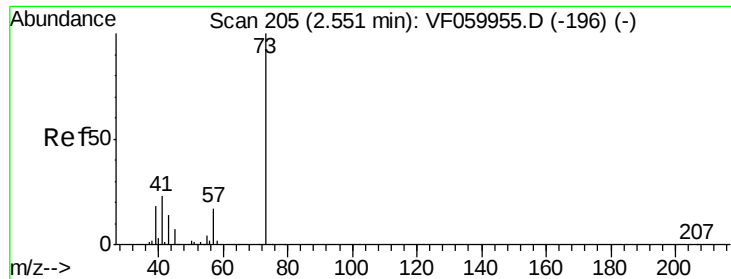
74 11.1 14.3 21.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





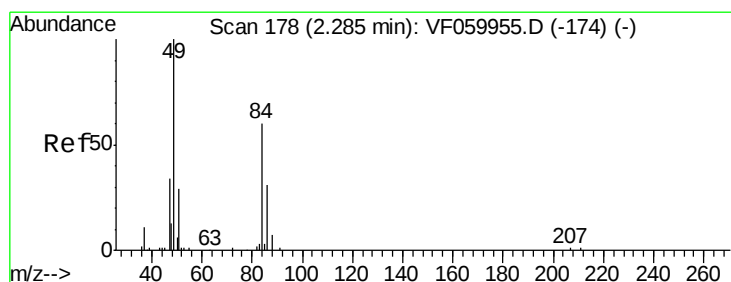
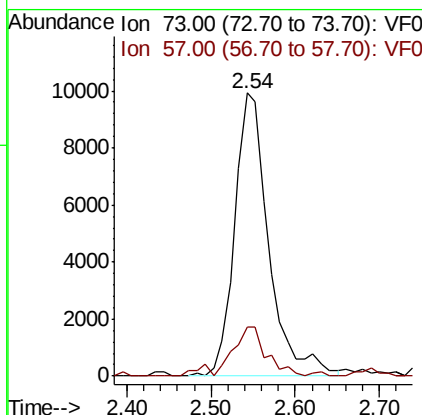
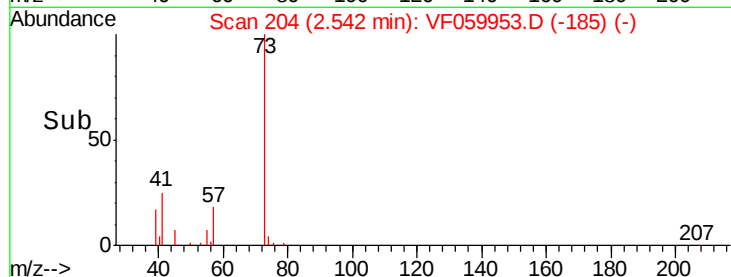
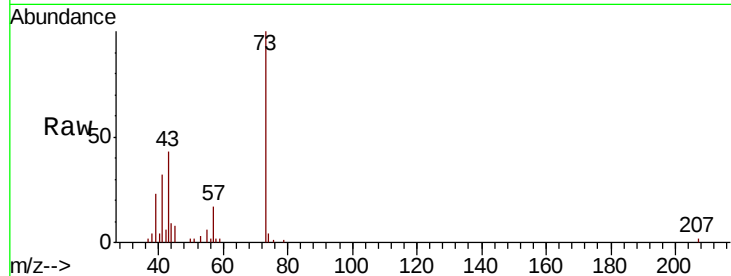
#19
Methvl tert-butvl Ether
Concen: 9.63 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.2	14.0	21.0

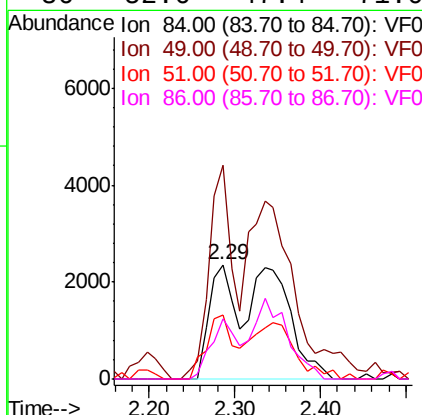
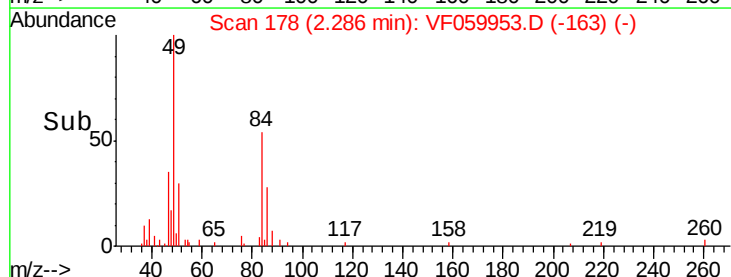
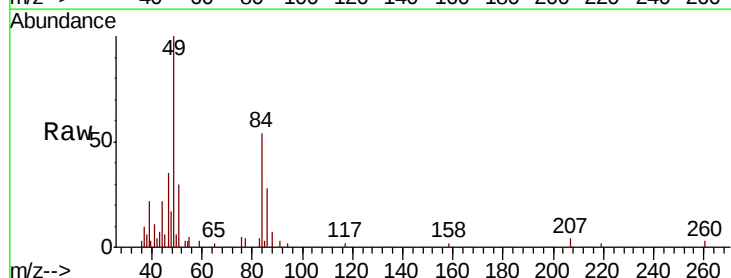
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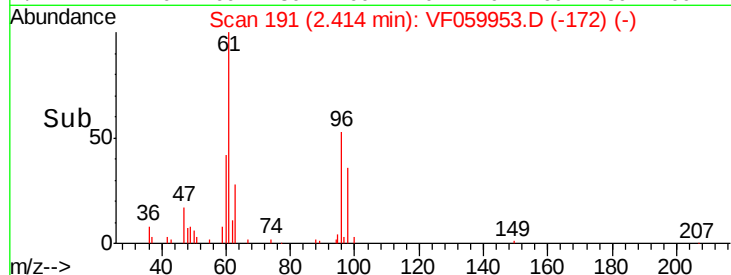
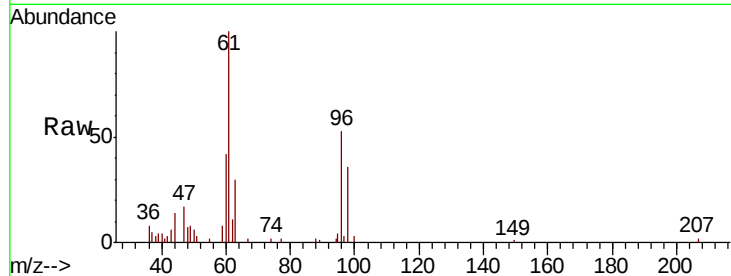
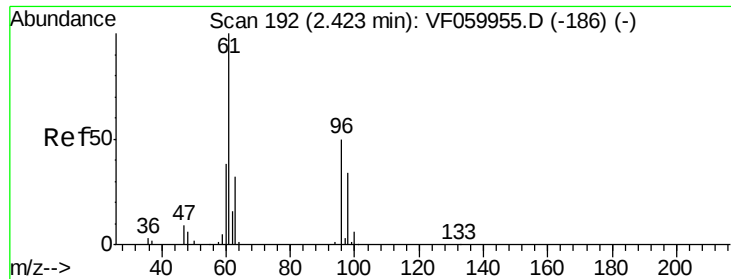
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#20
Methylene Chloride
Concen: 13.48 ug/l m
RT: 2.29 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	186.5	138.6	207.8
51	55.5	40.2	60.4
86	52.6	47.4	71.0





#21

trans-1,2-Dichloroethene

Concen: 8.72 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF059953.D

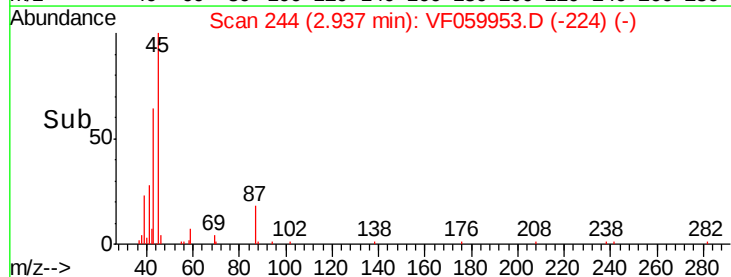
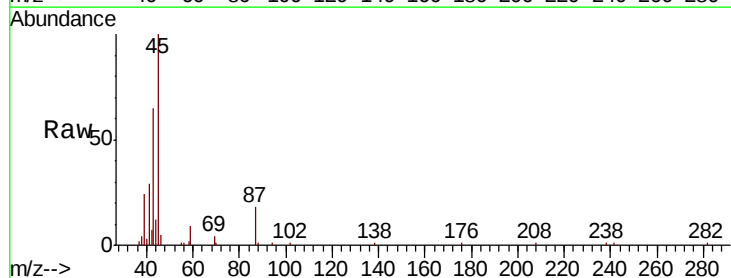
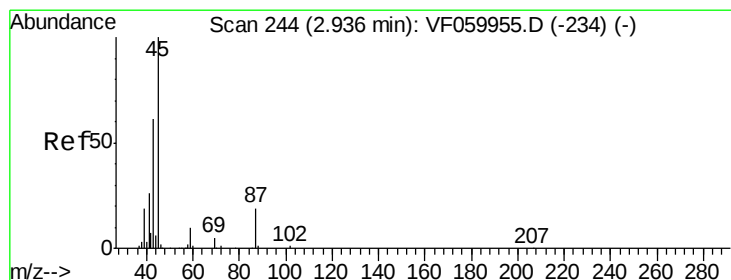
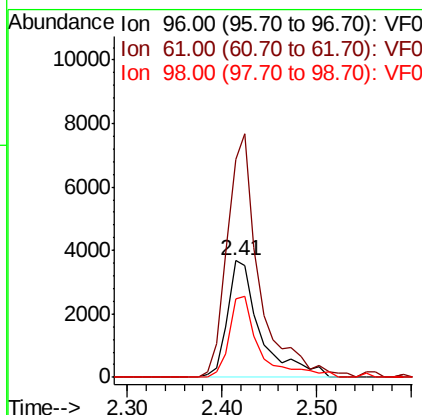
Acq: 14 Aug 2018 19:09

Tot Ion:	96	Resp:	8852
Ion	Ratio	Lower	Upper
96	100		
61	187.1	159.5	239.3
98	67.5	53.8	80.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

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#22

Diisopropyl ether

Concen: 9.16 ug/l

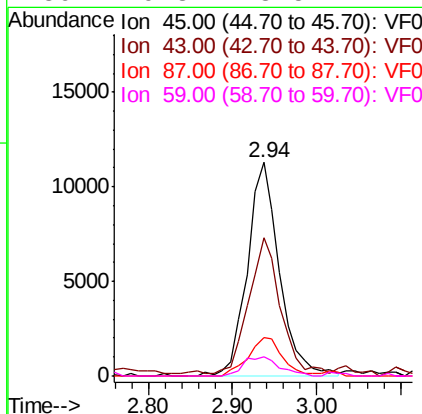
RT: 2.94 min Scan# 244

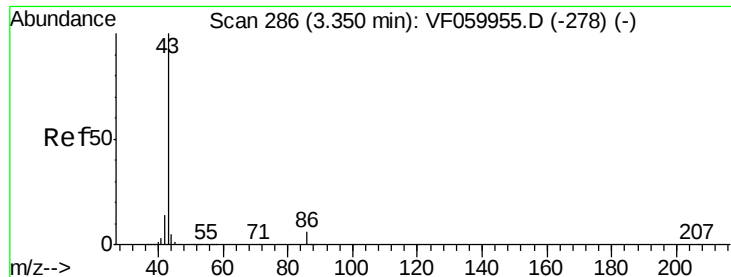
Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion:	45	Resp:	30143
Ion	Ratio	Lower	Upper
45	100		
43	64.9	48.7	73.1
87	18.1	15.3	22.9
59	9.3	8.5	12.7





#23

Vinyl Acetate

Concen: 45.55 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 72938

Ion Ratio Lower Upper

43 100

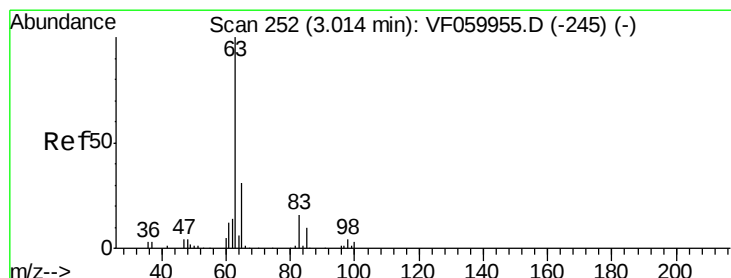
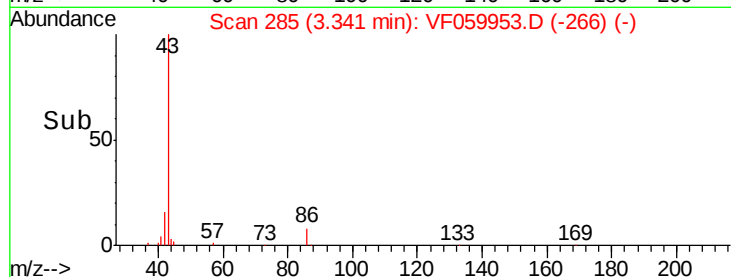
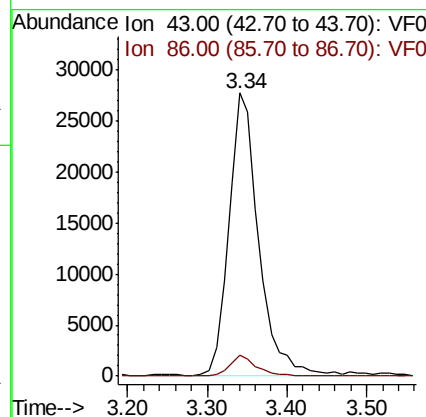
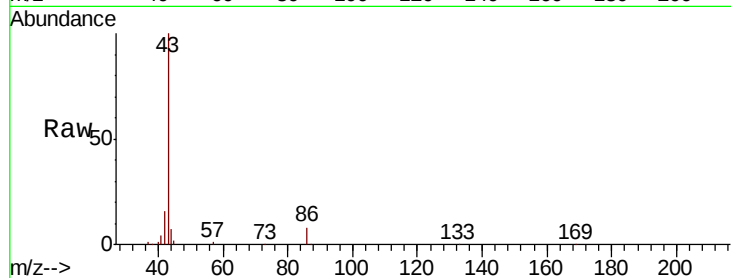
86 7.6 4.9 7.3#

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#24

1,1-Dichloroethane

Concen: 8.84 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

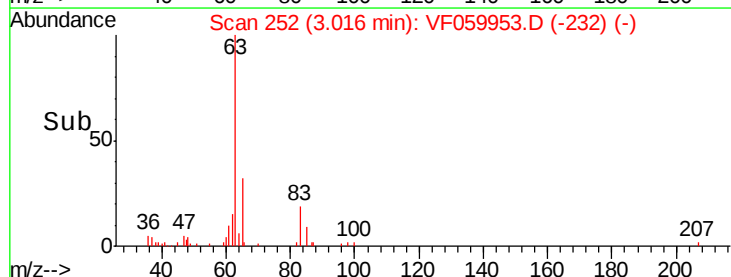
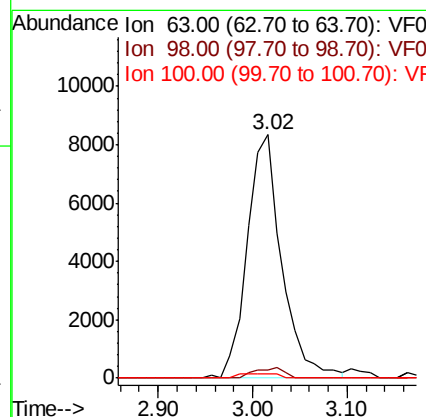
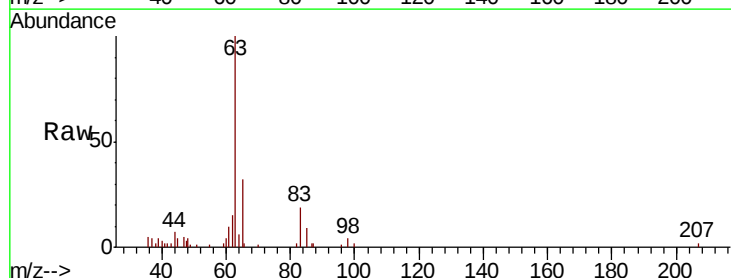
Tgt Ion: 63 Resp: 21115

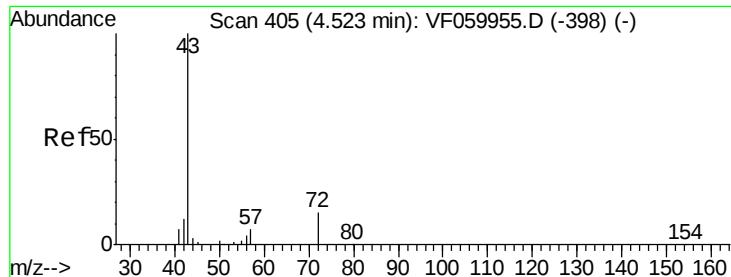
Ion Ratio Lower Upper

63 100

98 3.5 2.1 6.2

100 1.7 1.7 5.1





#25

2-Butanone

Concen: 52.87 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 22050

Ion Ratio Lower Upper

43 100

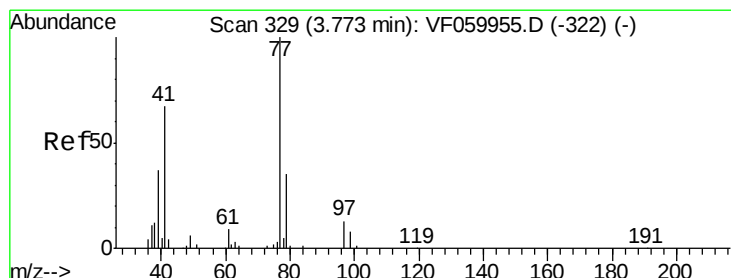
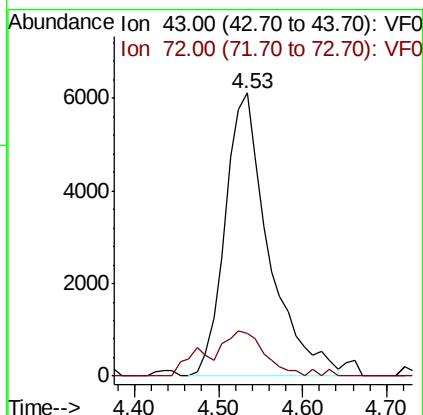
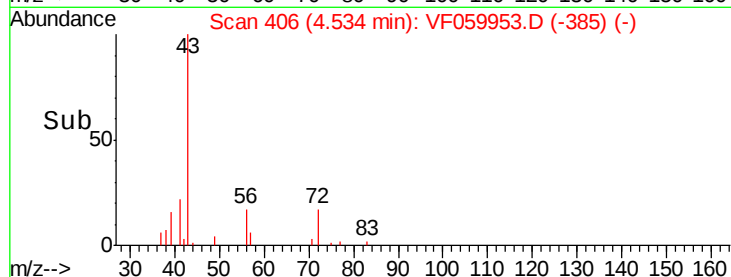
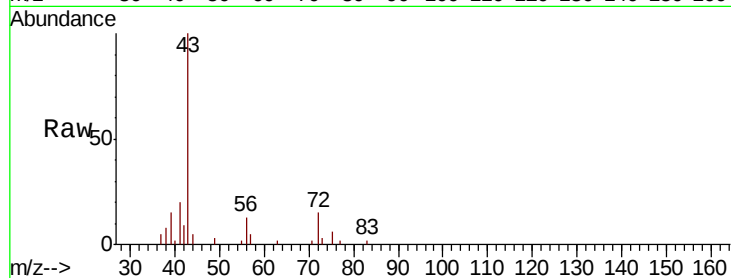
72 14.9 14.6 22.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.49 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059953.D

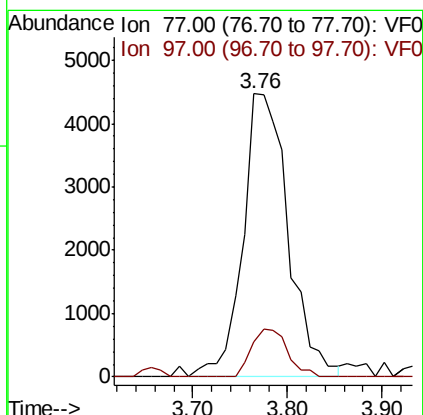
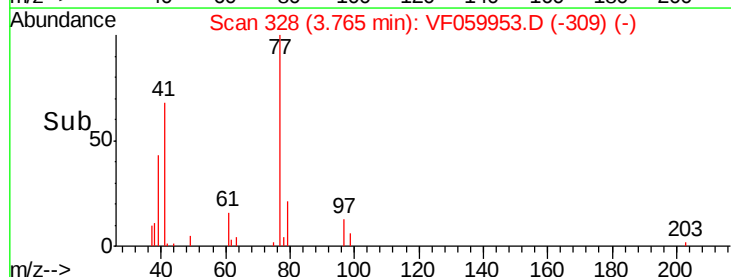
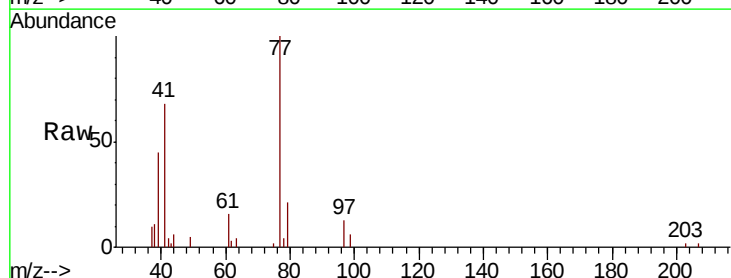
Acq: 14 Aug 2018 19:09

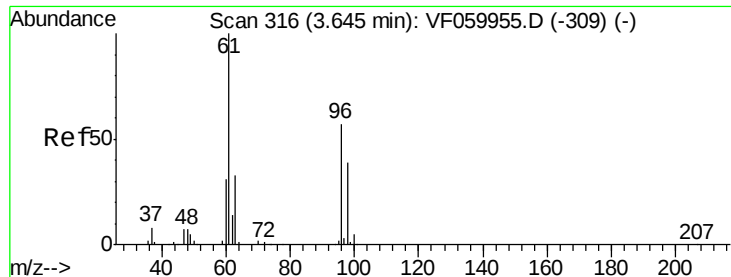
Tgt Ion: 77 Resp: 14889

Ion Ratio Lower Upper

77 100

97 12.5 6.6 19.7





#27

cis-1,2-Dichloroethene

Concen: 8.62 ug/l

RT: 3.66 min Scan# 317

Delta R.T. 0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

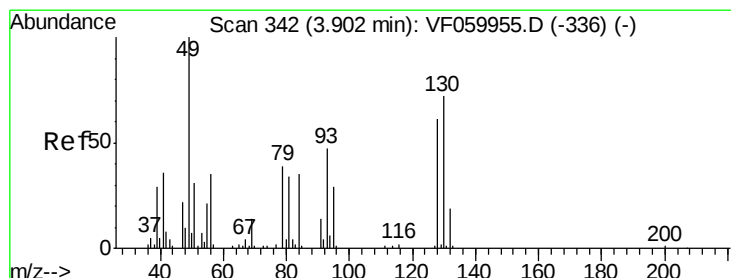
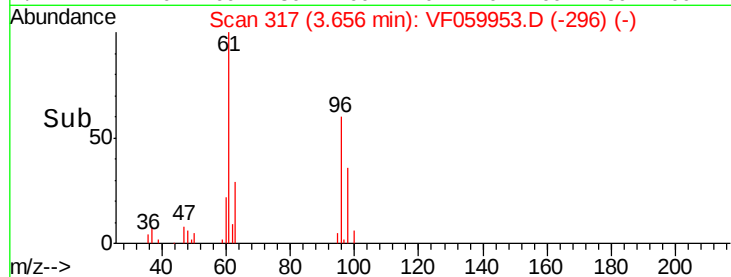
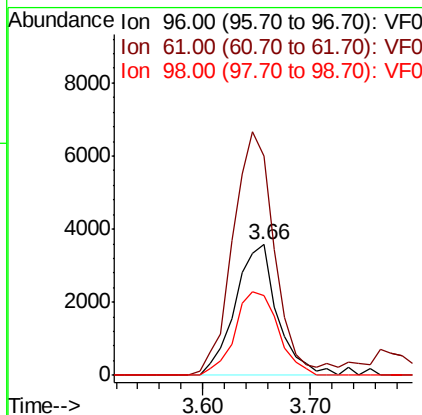
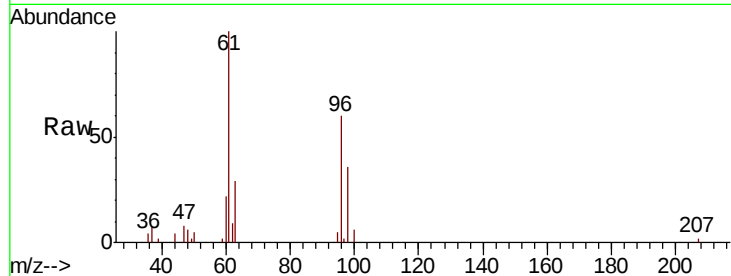
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	9746
Ion	Ratio	Lower	Upper
96	100		
61	167.8	0.0	349.4
98	60.6	0.0	134.6

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#28

Bromochloromethane

Concen: 8.71 ug/l

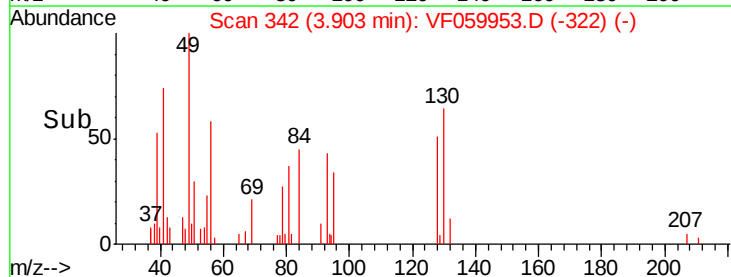
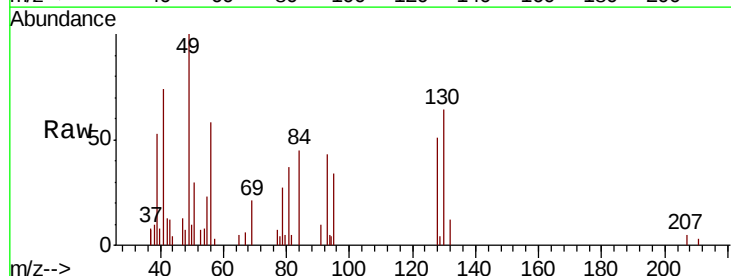
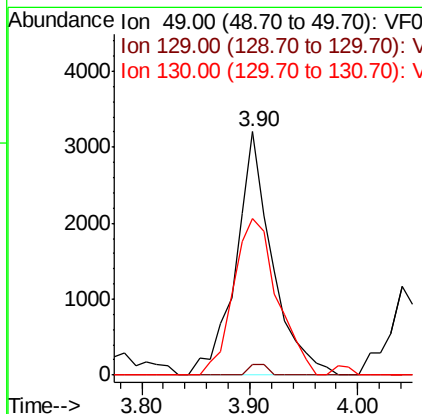
RT: 3.90 min Scan# 342

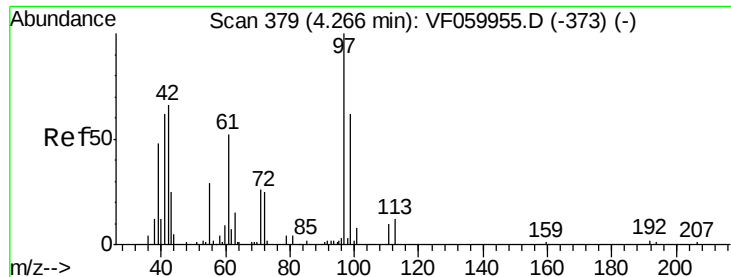
Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion:	49	Resp:	7461
Ion	Ratio	Lower	Upper
49	100		
129	4.5	0.0	4.2#
130	64.5	58.1	87.1





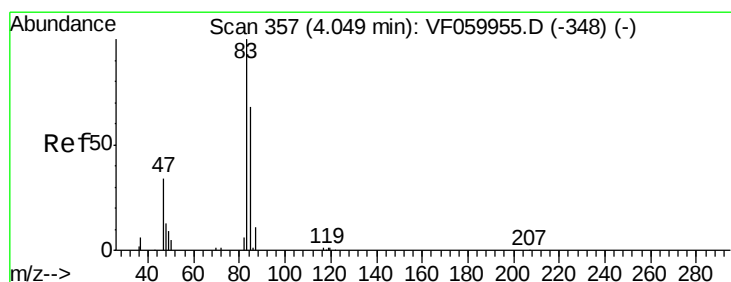
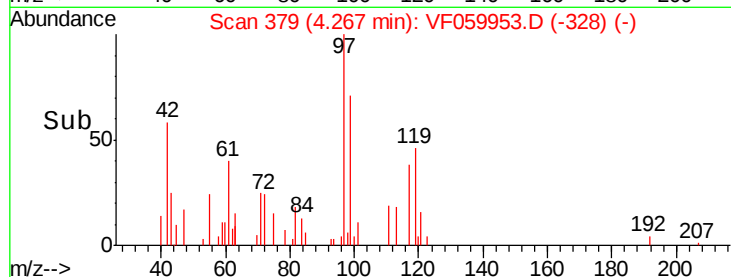
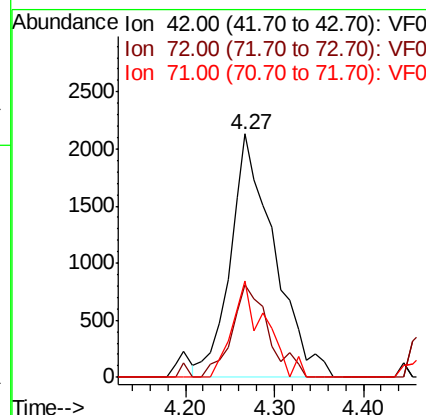
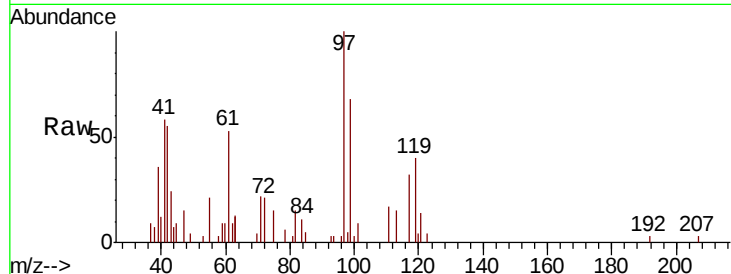
#29
Tetrahydrofuran
Concen: 47.44 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.3	27.7	41.5
71	30.4	28.2	42.4

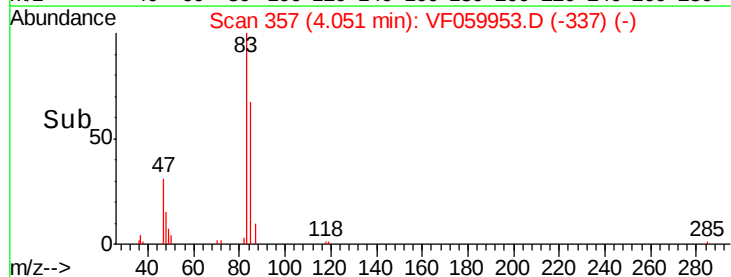
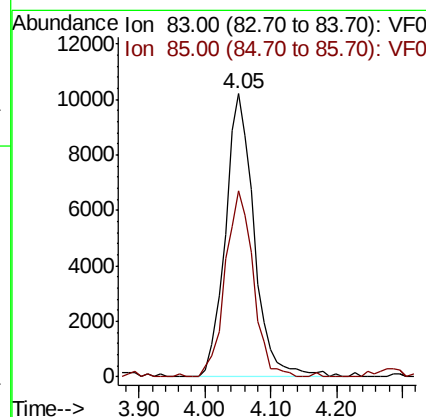
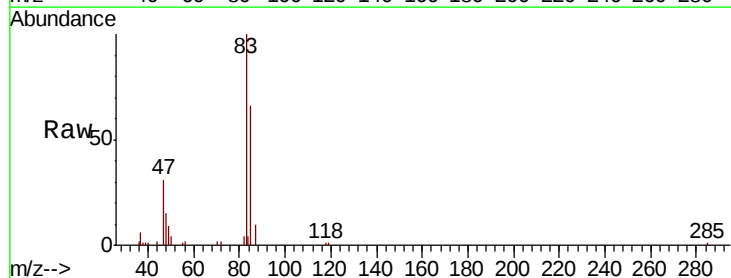
Manual Integrations
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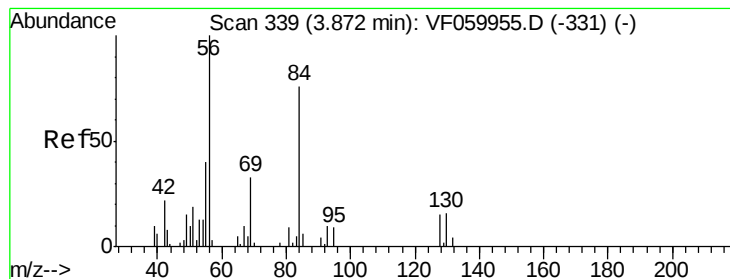
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#30
Chloroform
Concen: 9.62 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	54.4	81.6





#31

Cyclohexane

Concen: 9.14 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

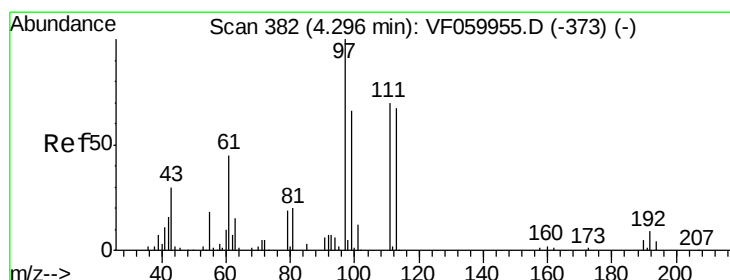
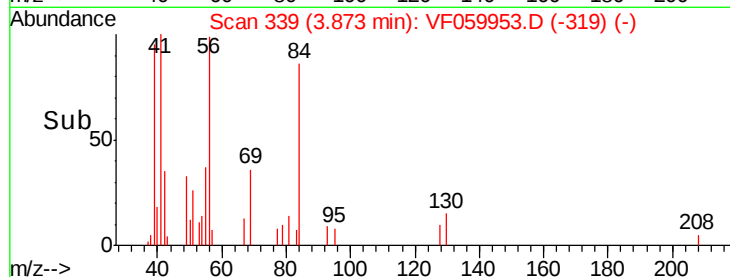
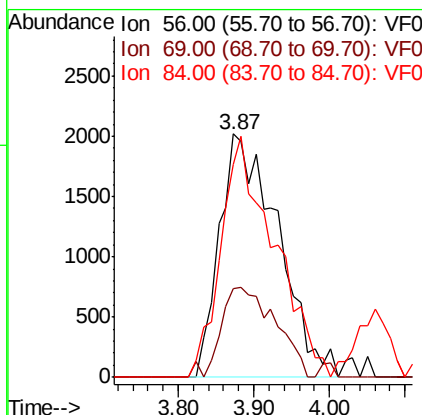
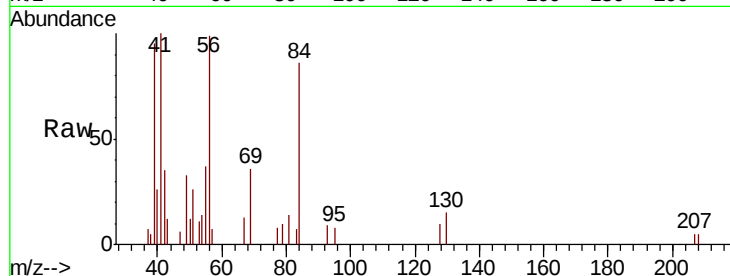
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	10776
Ion Ratio	Lower	Upper	
56	100		
69	36.5	26.2	39.2
84	87.6	61.0	91.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.35 ug/l

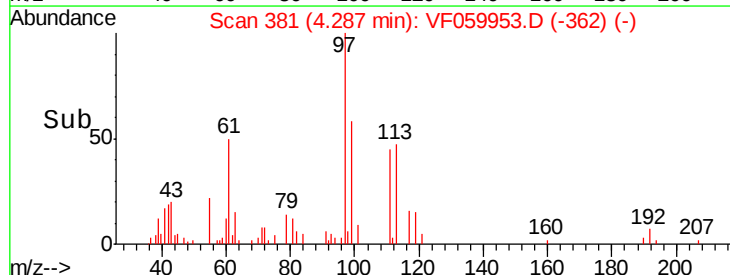
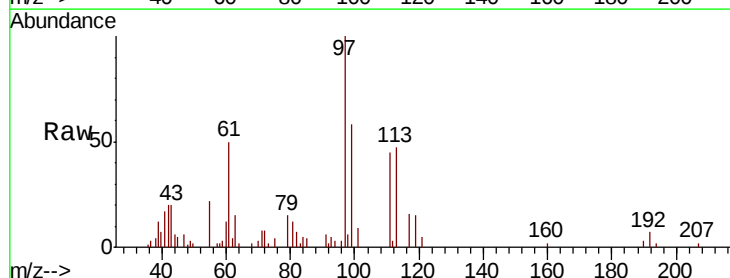
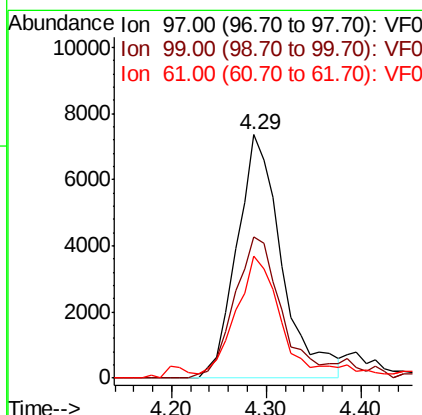
RT: 4.29 min Scan# 381

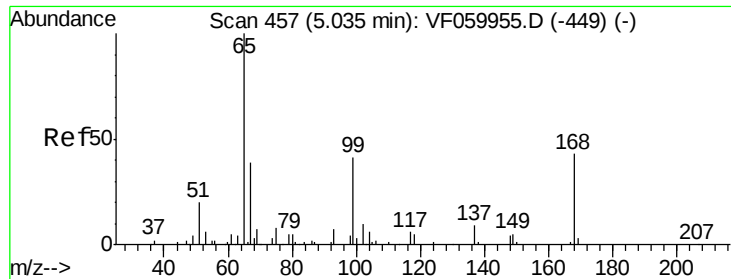
Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion:	97	Resp:	24242
Ion Ratio	Lower	Upper	
97	100		
99	58.2	53.0	79.4
61	50.2	36.6	55.0





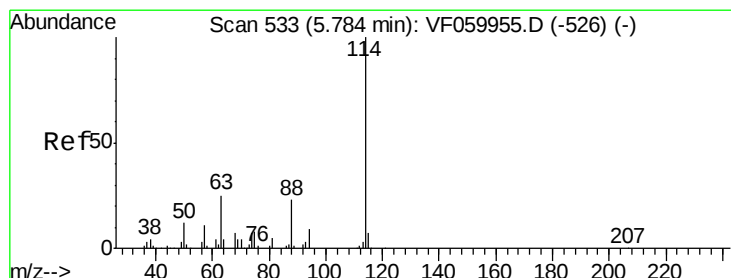
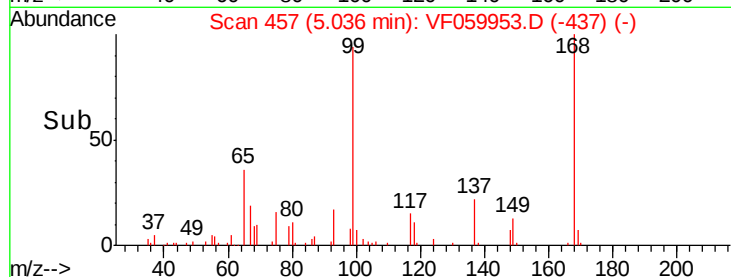
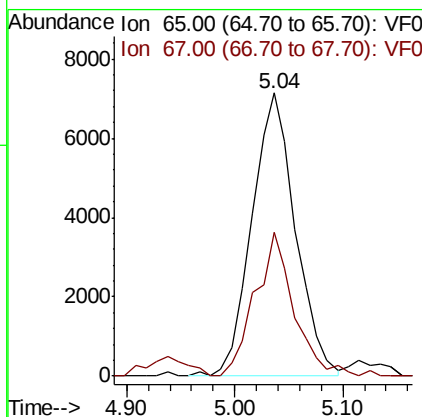
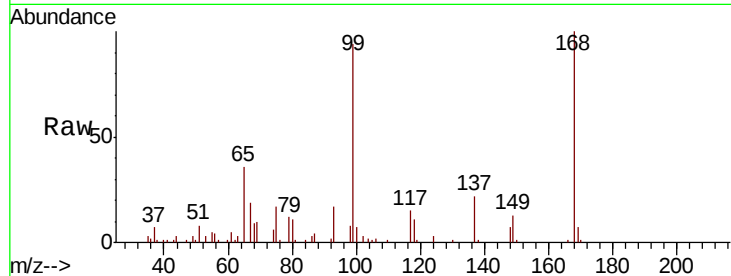
#33
 1,2-Dichloroethane-d4
 Concen: 9.56 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059953.D
 Acq: 14 Aug 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	20067		
67	51.0	0.0	87.4	

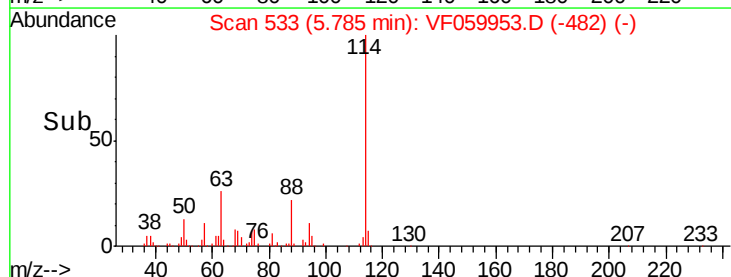
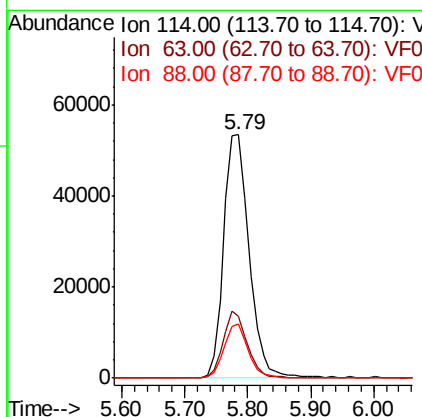
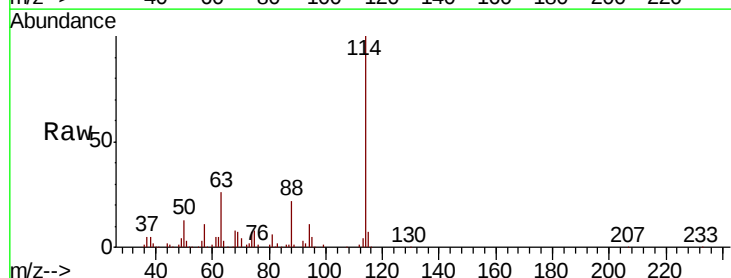
Manual Integrations
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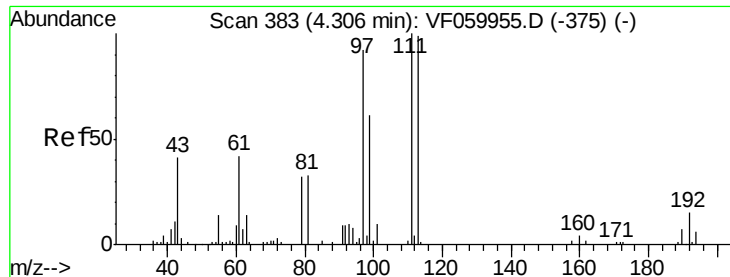
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF059953.D
 Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	150296		
63	25.7	0.0	50.2	
88	22.1	0.0	46.8	





#35

Dibromofluoromethane

Concen: 11.27 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

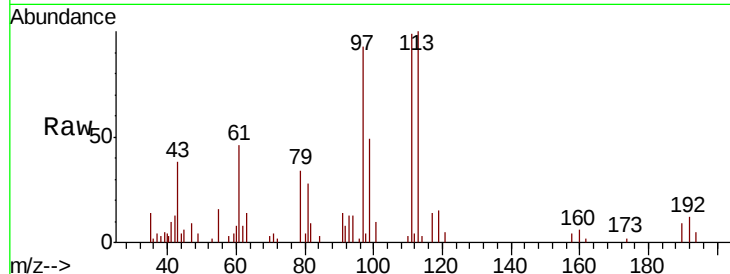
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	16721
Ion	Ratio	Lower	Upper
113	100		
111	99.4	80.6	121.0
192	12.3	11.7	17.5

Manual Integrations
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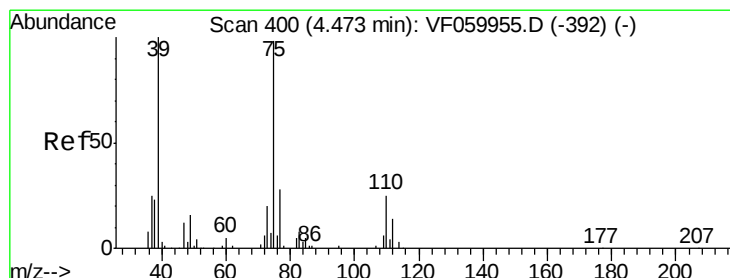
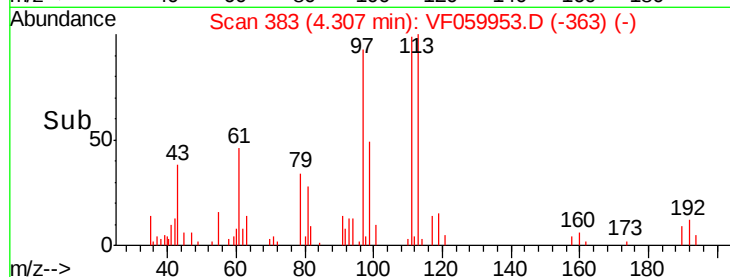
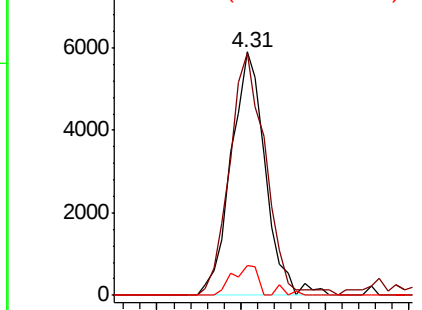
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 10.25 ug/l

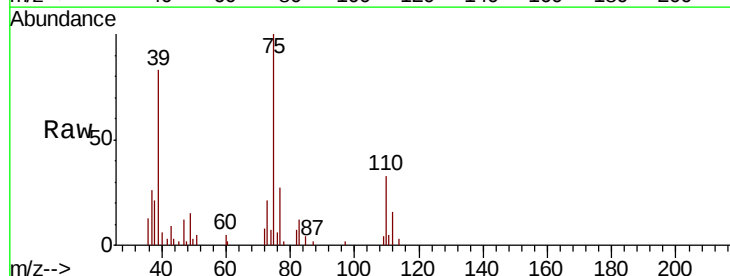
RT: 4.48 min Scan# 401

Delta R.T. 0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

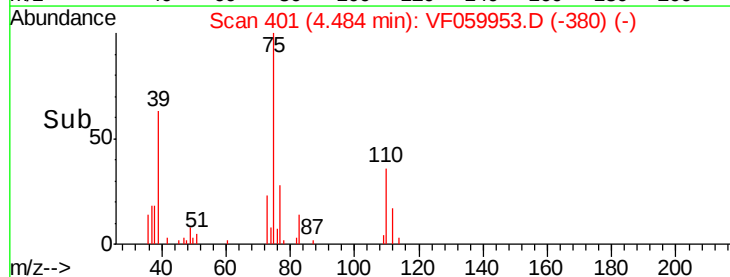
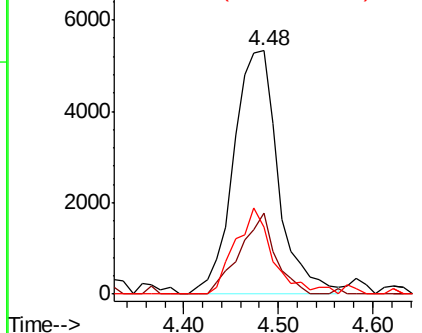
Tgt Ion:	75	Resp:	17485
Ion	Ratio	Lower	Upper
75	100		
110	33.2	12.6	37.8
77	27.5	22.7	34.1

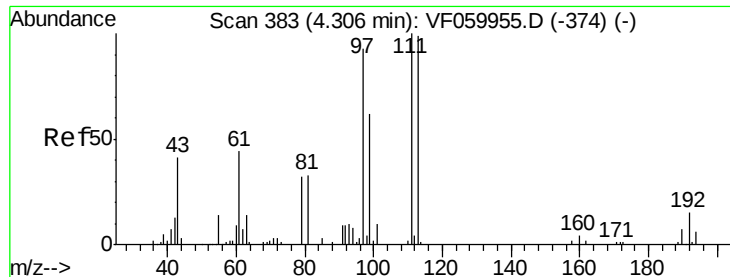


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





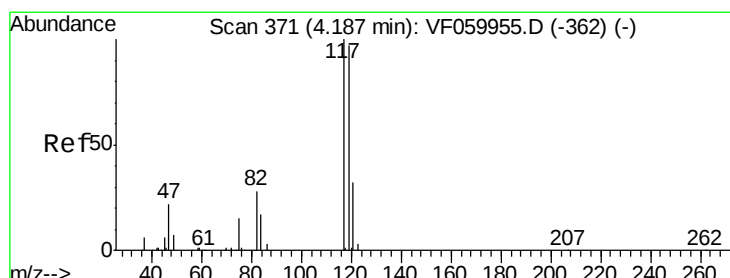
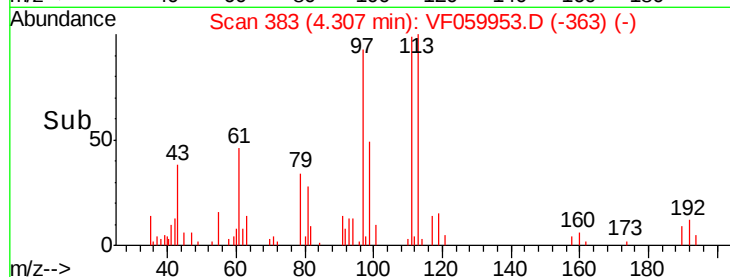
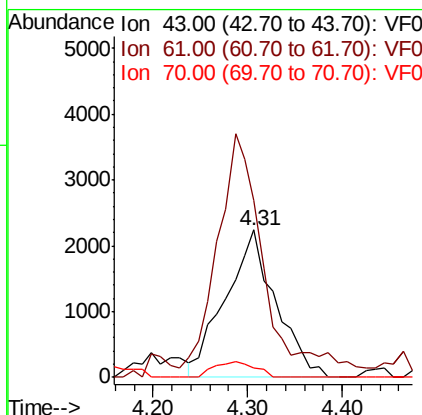
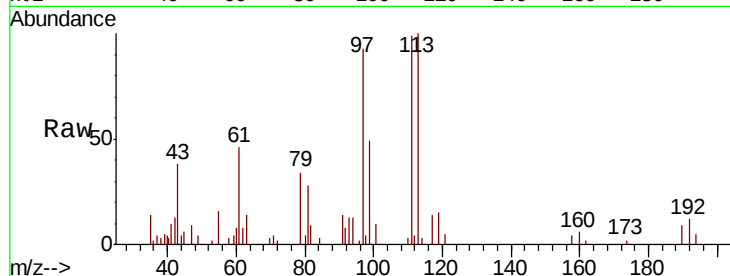
#37
Ethyl Acetate
Concen: 11.24 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	120.5	84.3	126.5
70	6.7	5.5	8.3

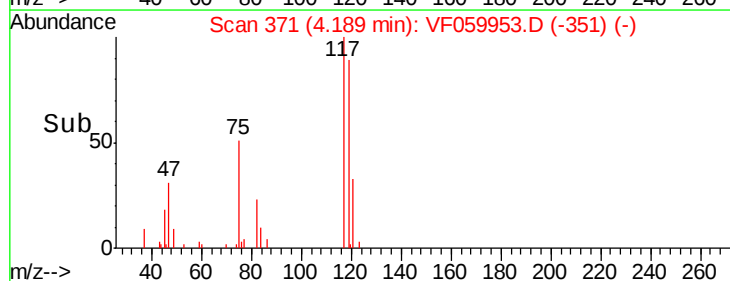
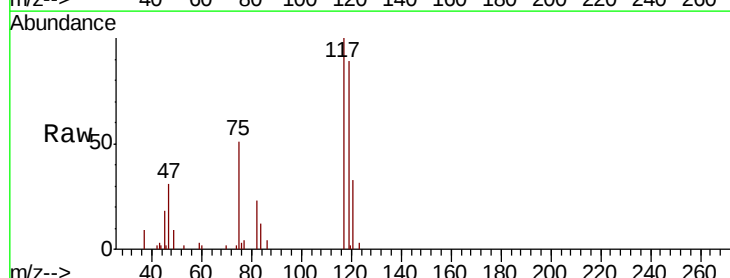
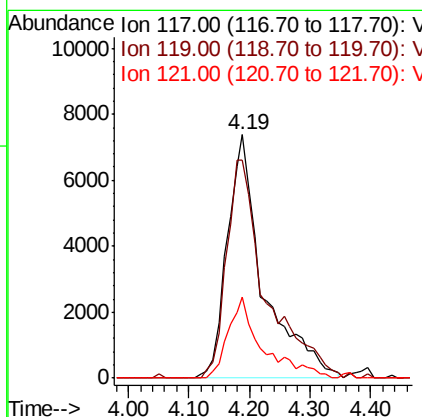
Manual Integrations
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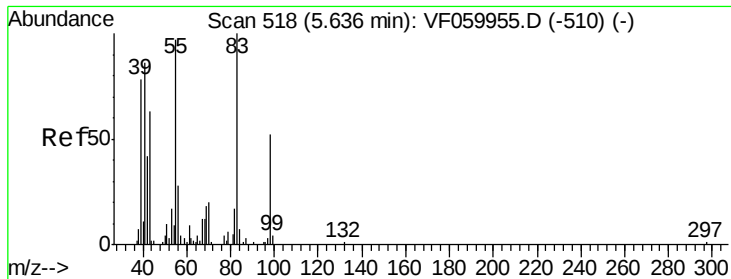
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#38
Carbon Tetrachloride
Concen: 12.06 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.4	76.9	115.3
121	33.2	24.9	37.3





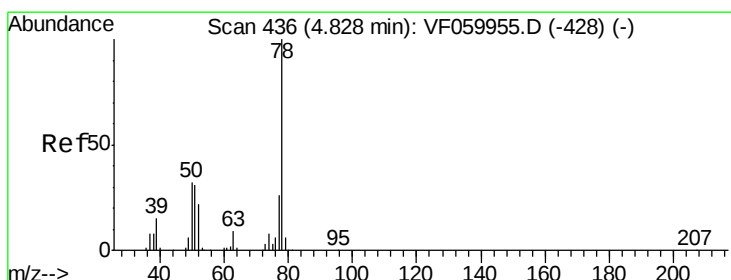
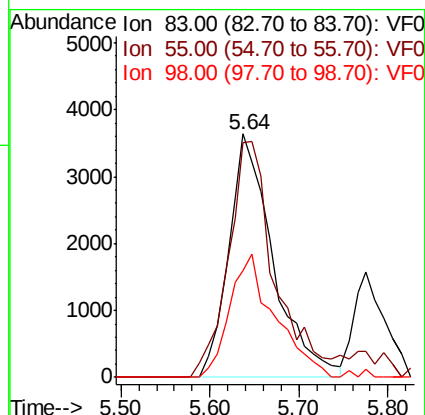
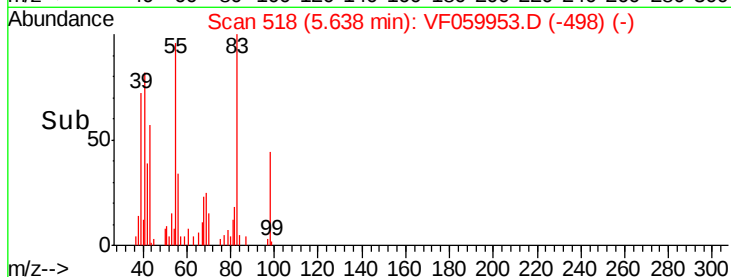
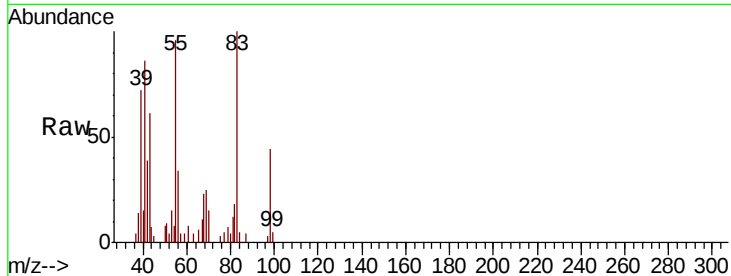
#39
Methvlcvclohexane
Concen: 9.94 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	12650
Ion Ratio	Lower	Upper	
83	100		
55	96.2	77.4	116.2
98	43.9	41.5	62.3

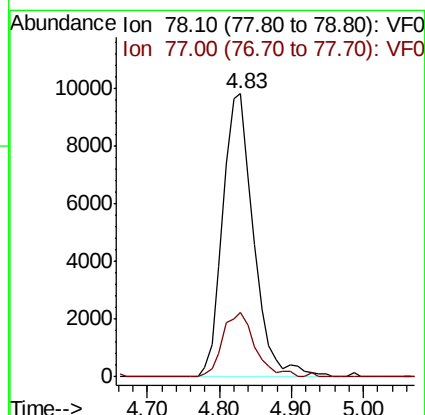
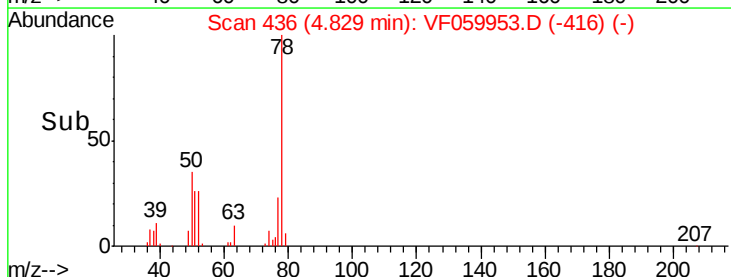
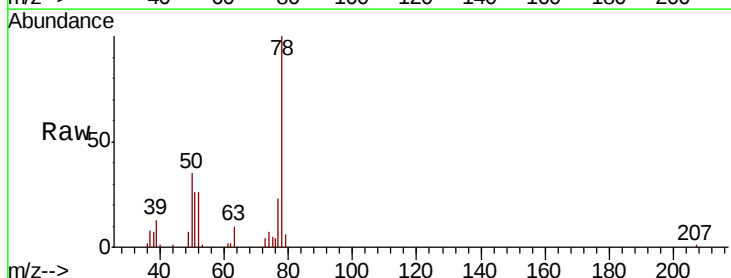
Manual Integrations
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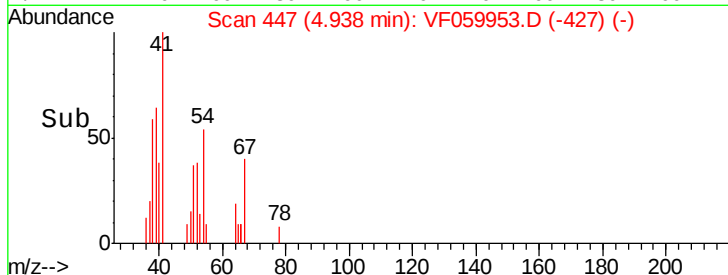
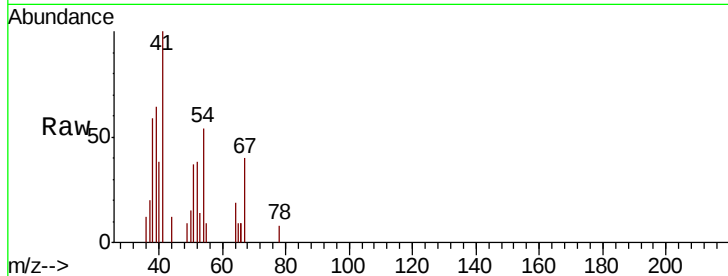
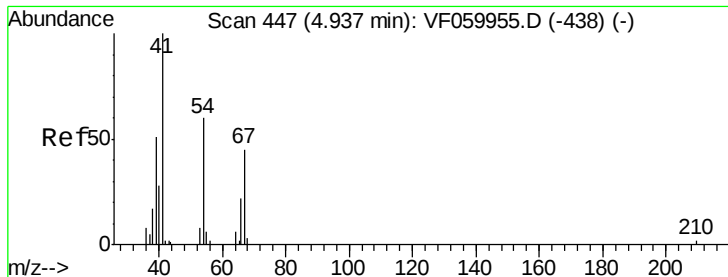
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#40
Benzene
Concen: 7.69 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion	78	Resp	29159
Ion Ratio	Lower	Upper	
78	100		
77	22.6	21.1	31.7





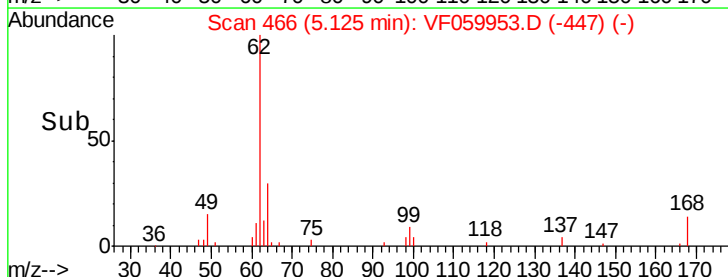
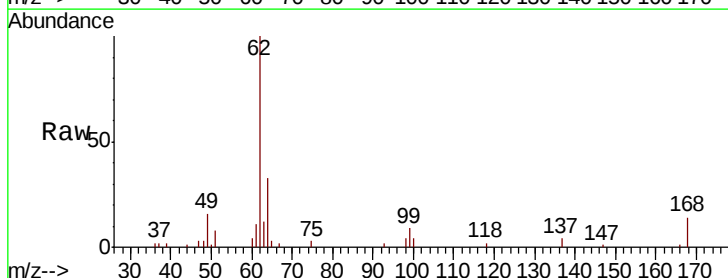
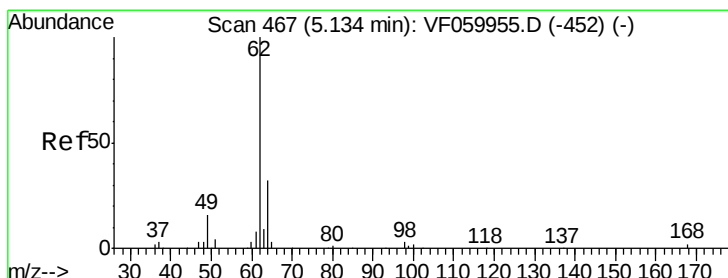
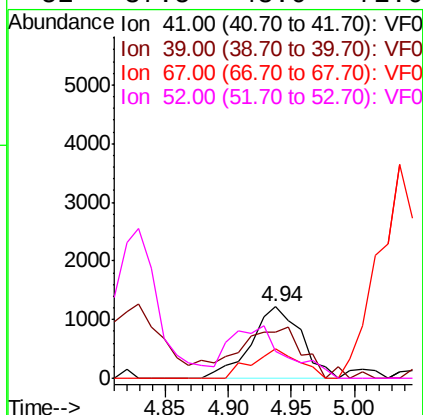
#41
Methacrylonitrile
Concen: 8.85 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tot Ion:	41	Resp:	3392
Ion	Ratio	Lower	Upper
41	100		
39	63.8	75.7	113.5#
67	40.5	36.1	54.1
52	37.5	48.0	72.0#

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

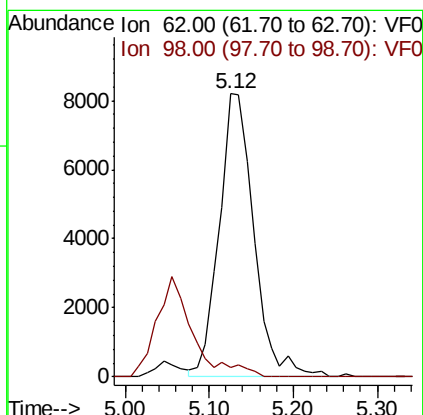
Manual Integrations
APPROVED

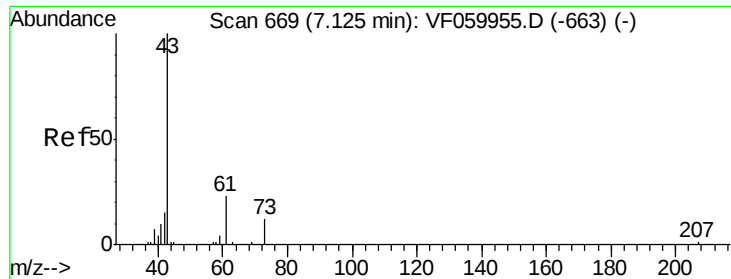
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#42
1,2-Dichloroethane
Concen: 9.87 ug/l
RT: 5.12 min Scan# 466
Delta R.T. -0.01 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion:	62	Resp:	23477
Ion	Ratio	Lower	Upper
62	100		
98	3.6	0.0	5.0





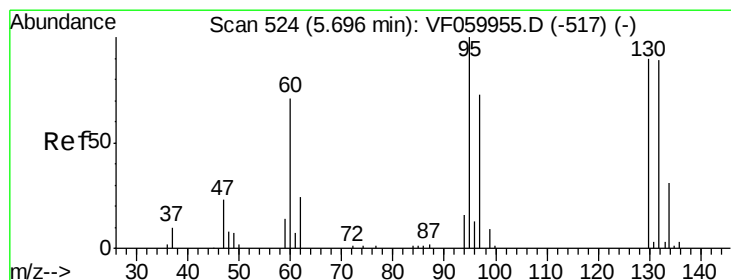
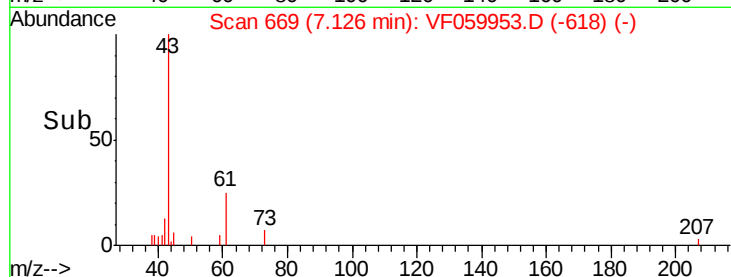
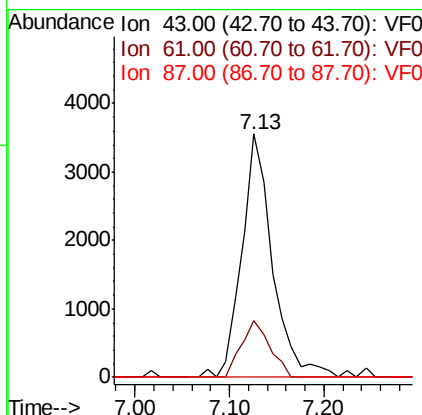
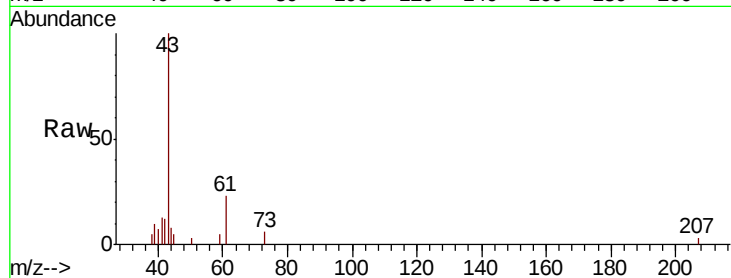
#43
Isopropyl Acetate
Concen: 10.34 ug/l
RT: 7.13 min Scan# 669
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.5	18.6	27.8
87	0.0	0.0	0.0

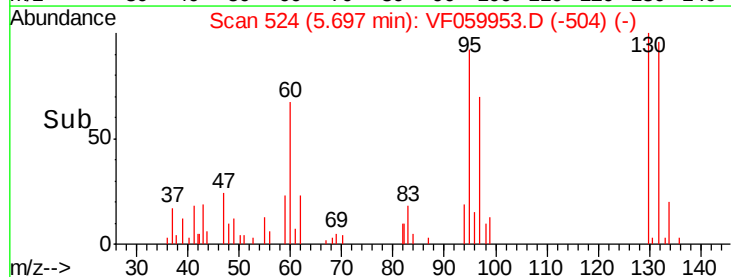
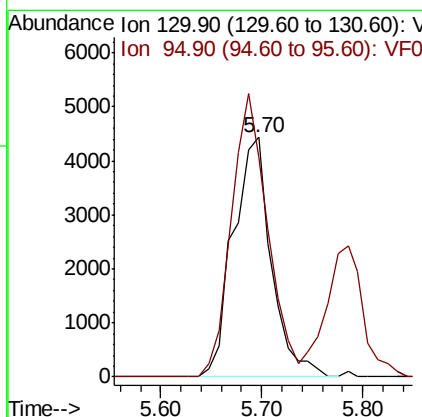
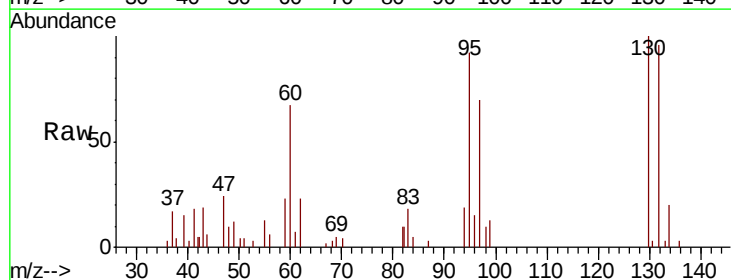
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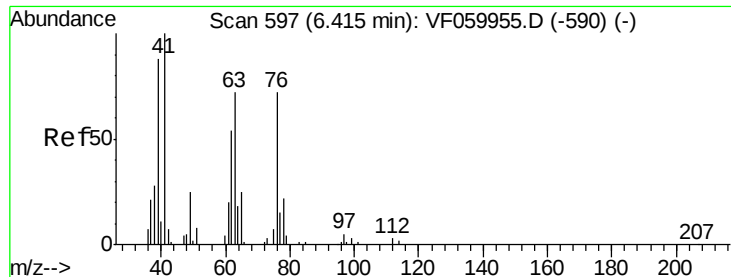
apatel
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#44
Trichloroethene
Concen: 10.31 ug/l
RT: 5.70 min Scan# 524
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	222.0





#45

1,2-Dichloropropane

Concen: 9.04 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tot Ion: 63 Resp: 7089

Ion Ratio Lower Upper

63 100

65 29.7 27.8 41.6

Instrument :

MSVOA_F

ClientSampleId :

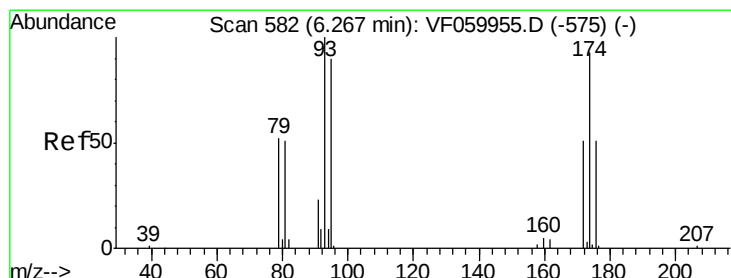
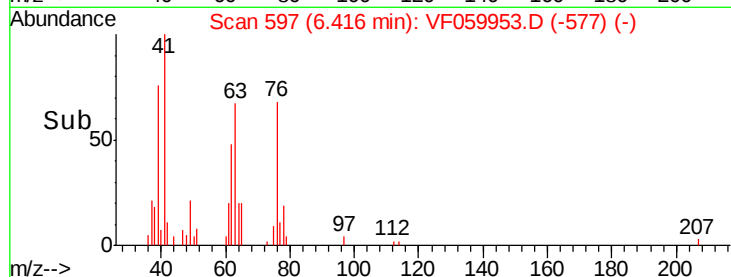
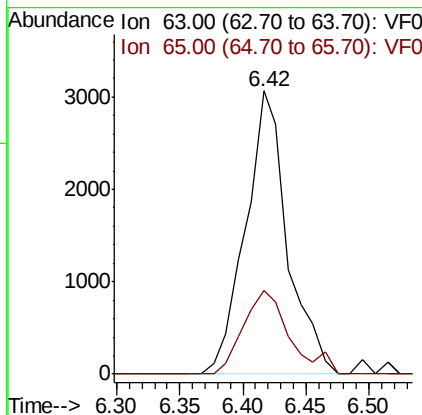
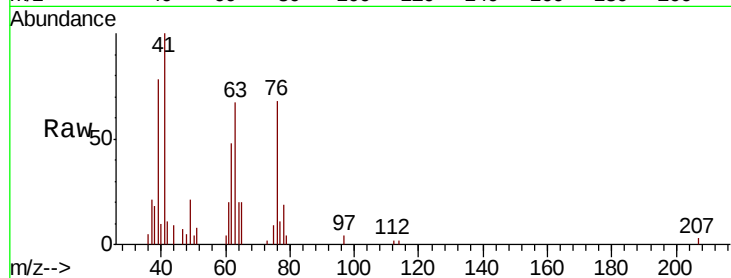
VSTDIC010

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#46

Dibromomethane

Concen: 10.13 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

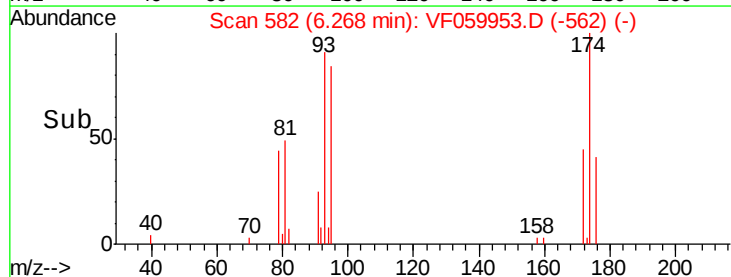
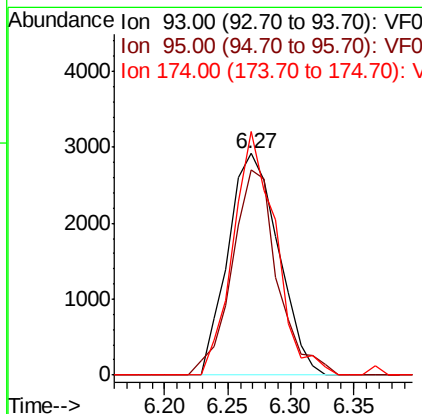
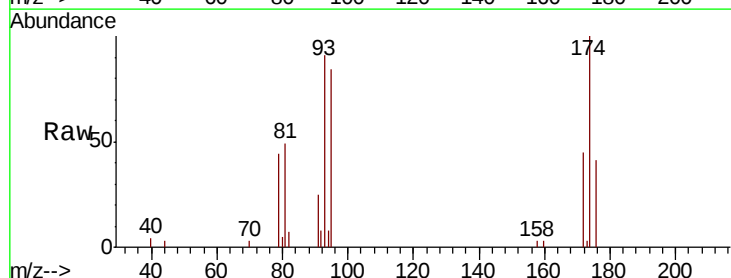
Tgt Ion: 93 Resp: 8056

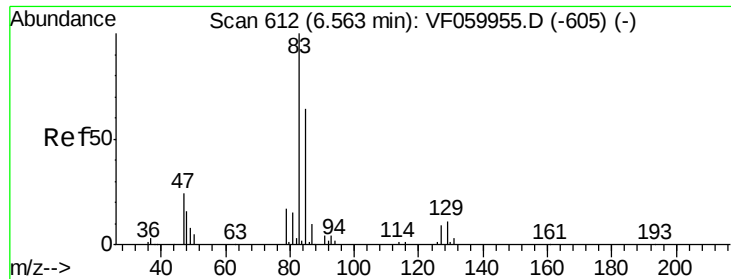
Ion Ratio Lower Upper

93 100

95 92.7 72.4 108.6

174 109.9 75.9 113.9





#47

Bromodichloromethane

Concen: 10.40 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

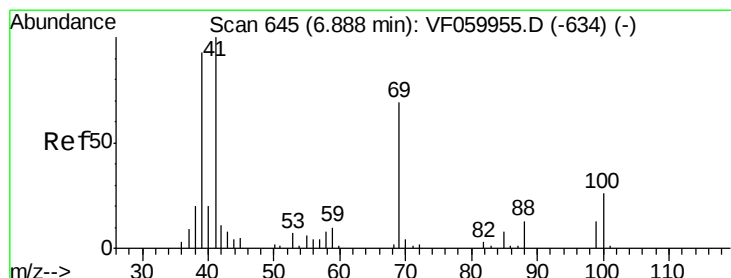
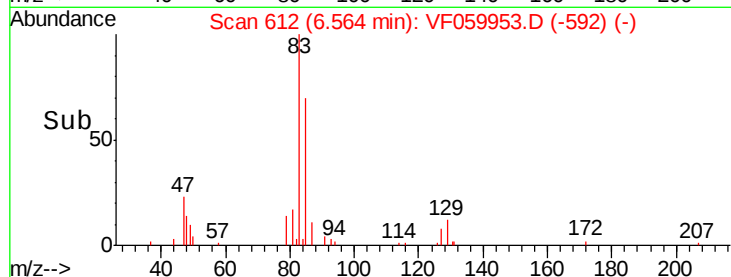
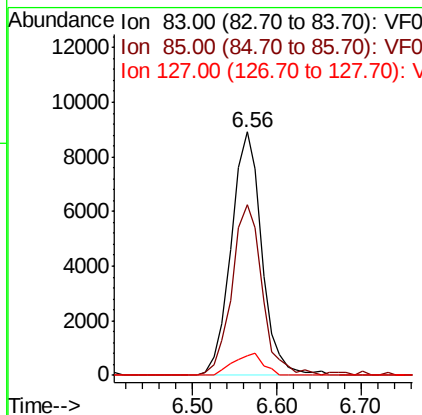
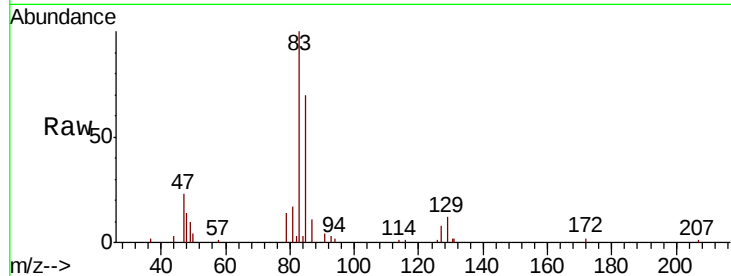
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	22651
Ion	Ratio	Lower	Upper
83	100		
85	69.9	51.5	77.3
127	8.0	7.5	11.3

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#48

Methyl methacrylate

Concen: 8.65 ug/l

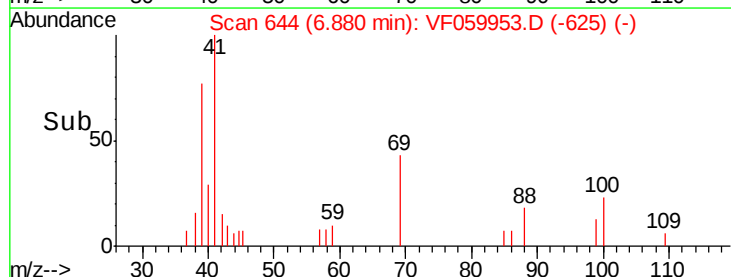
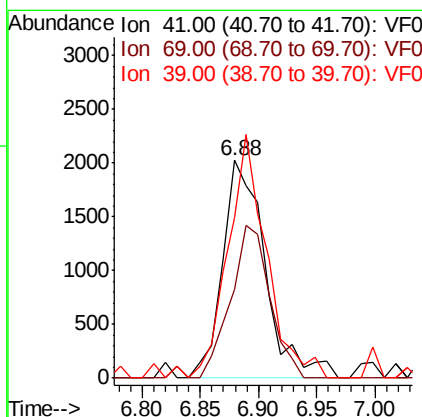
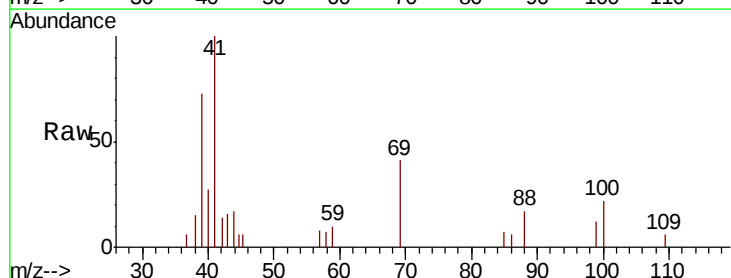
RT: 6.88 min Scan# 644

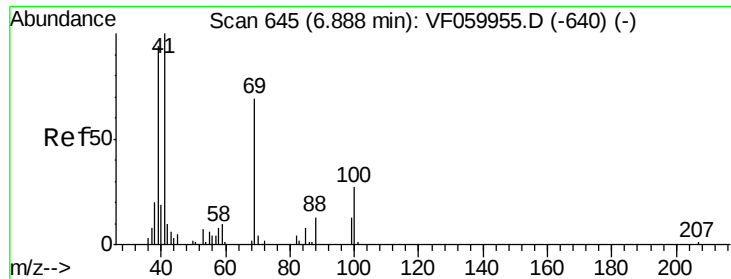
Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion:	41	Resp:	5149
Ion	Ratio	Lower	Upper
41	100		
69	40.8	54.8	82.2#
39	73.4	75.1	112.7#





#49

1,4-Dioxane

Concen: 229.15 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

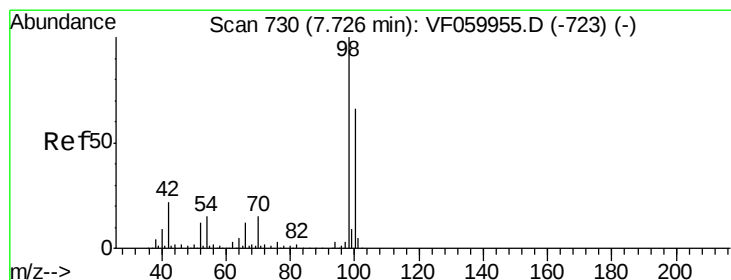
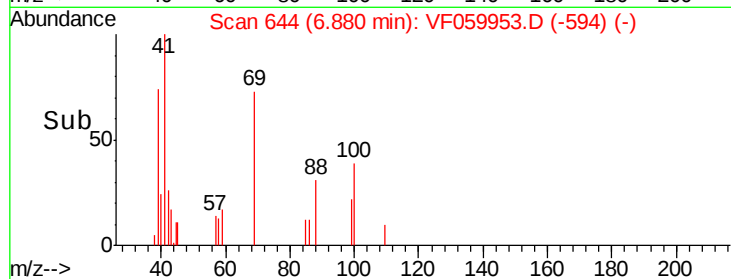
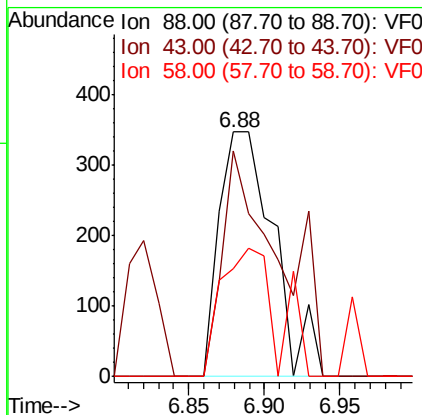
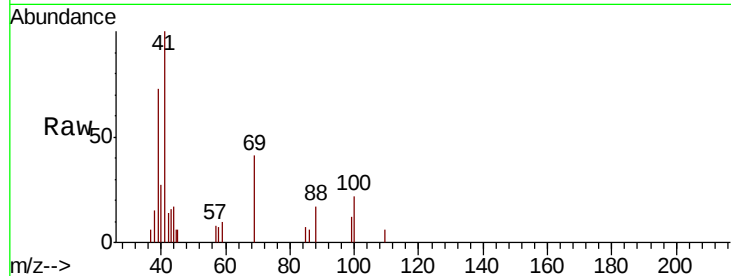
ClientSampleId :

VSTDIC010

Tot Ion:	88	Resp:	868
Ion Ratio	Lower	Upper	
88	100		
43	92.5	47.9	71.9#
58	43.8	52.0	78.0#

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#50

Toluene-d8

Concen: 10.63 ug/l

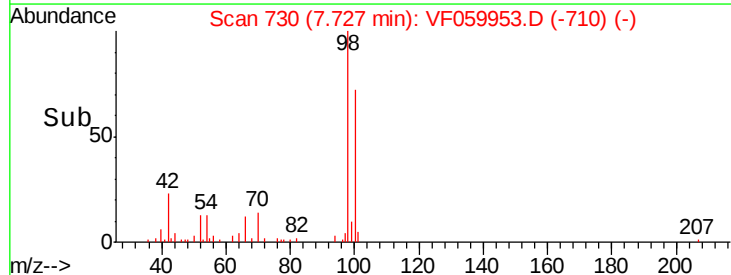
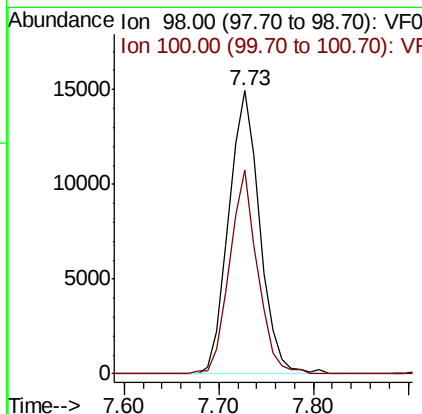
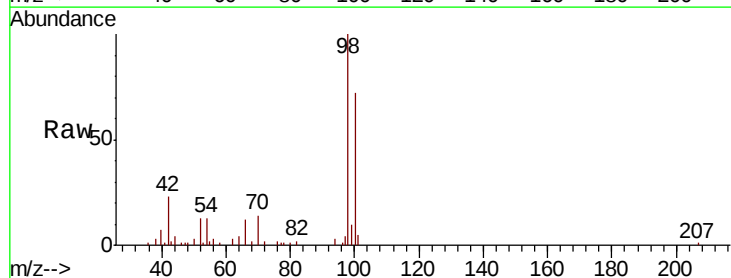
RT: 7.73 min Scan# 730

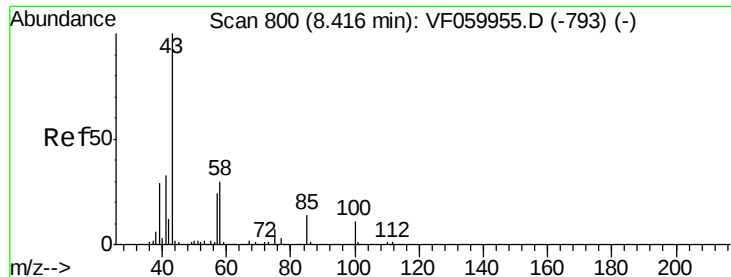
Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion:	98	Resp:	33894
Ion Ratio	Lower	Upper	
98	100		
100	72.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 50.71 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 39707

Ion Ratio Lower Upper

43 100

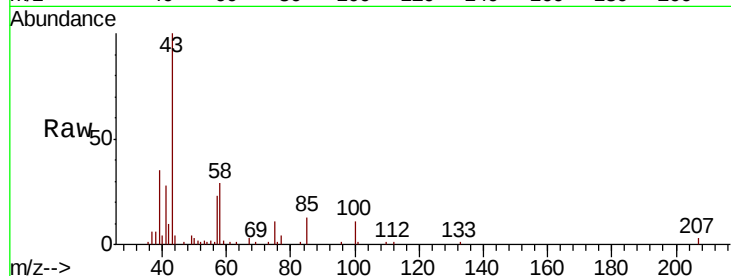
58 28.8 24.2 36.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

20000

15000

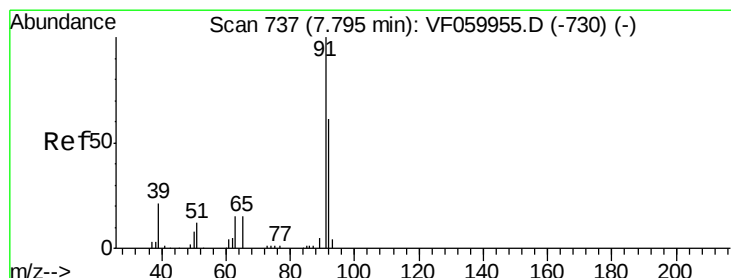
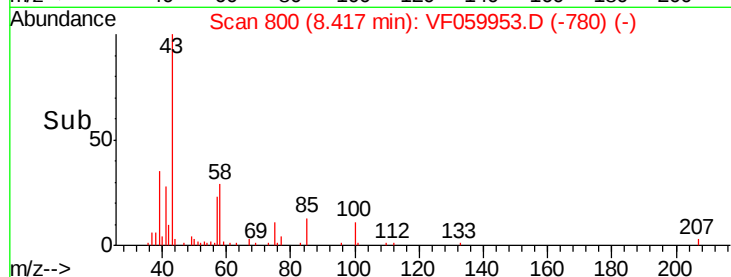
10000

5000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 10.11 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059953.D

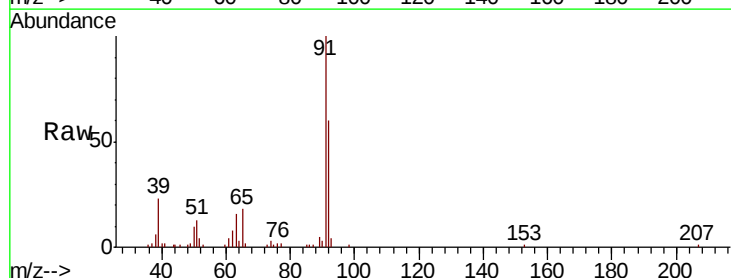
Acq: 14 Aug 2018 19:09

Tgt Ion: 92 Resp: 21917

Ion Ratio Lower Upper

92 100

91 165.6 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

15000

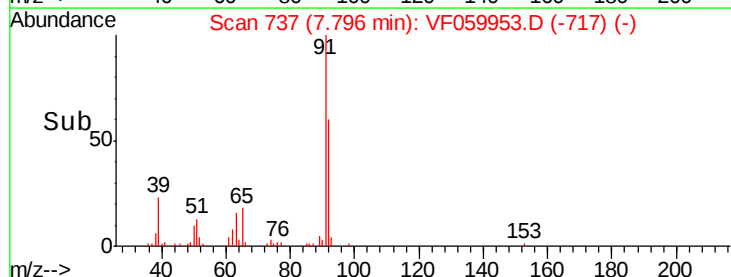
10000

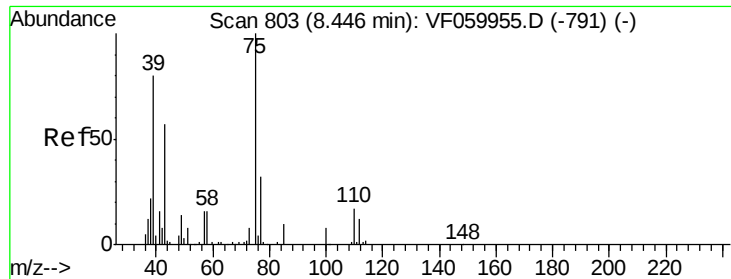
5000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 11.19 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 18858

Ion Ratio Lower Upper

75 100

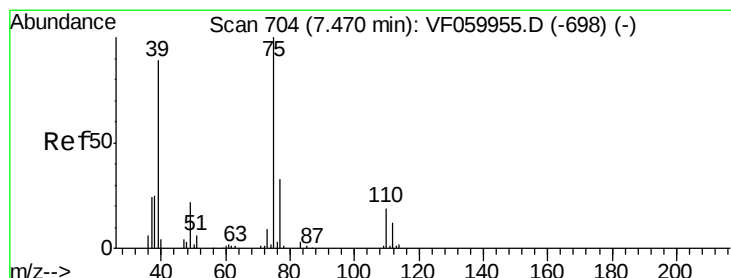
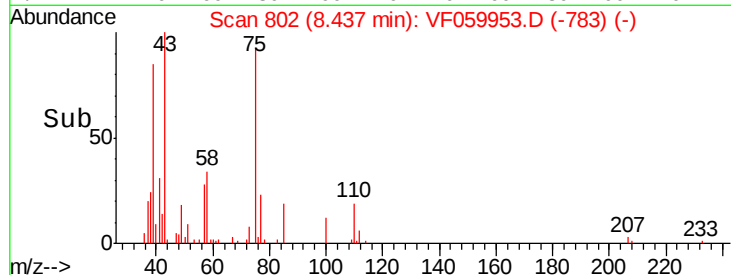
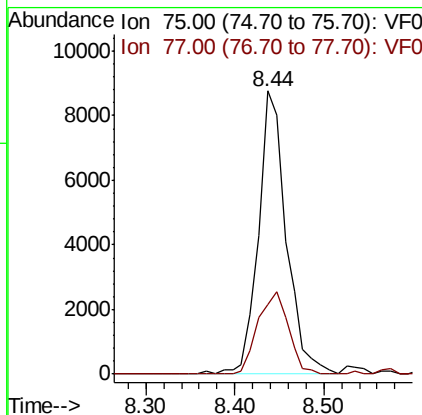
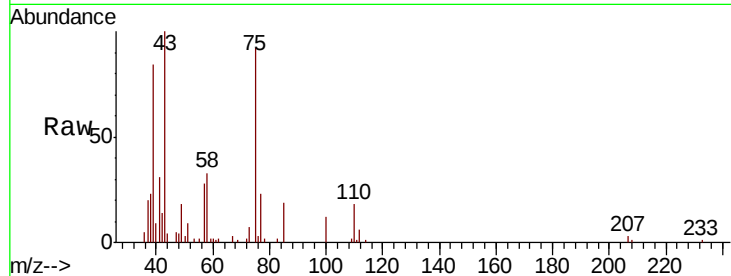
77 24.6 25.8 38.6#

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#54

cis-1,3-Dichloropropene

Concen: 9.96 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

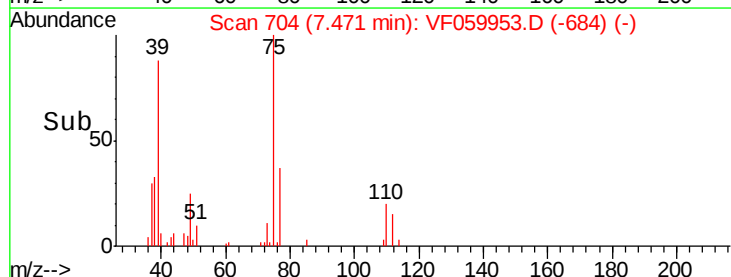
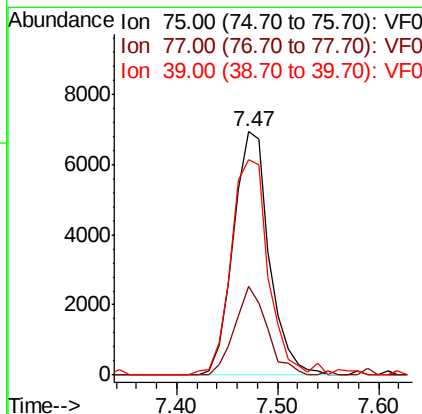
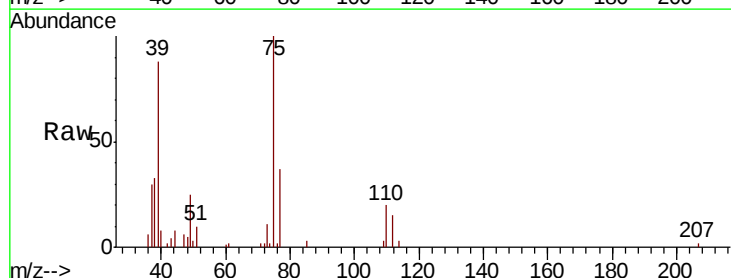
Tgt Ion: 75 Resp: 17164

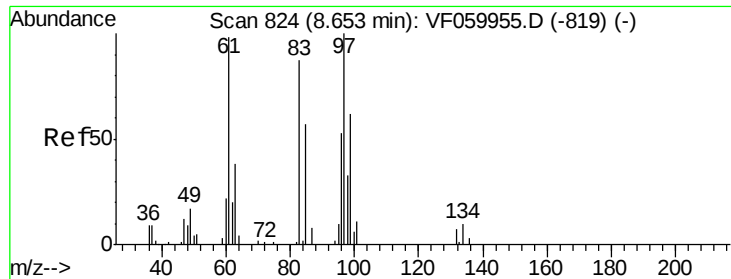
Ion Ratio Lower Upper

75 100

77 36.5 26.1 39.1

39 88.5 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 9.06 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

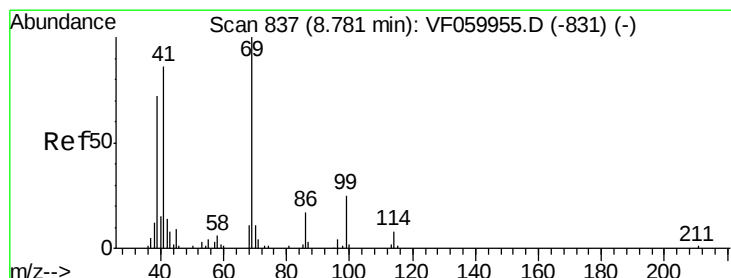
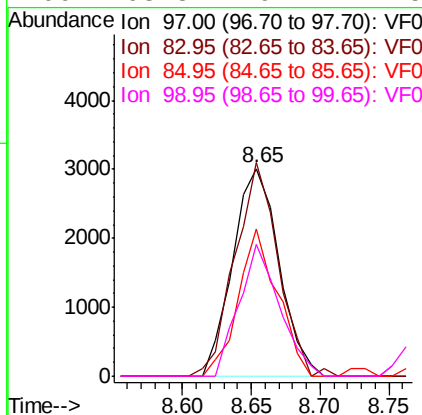
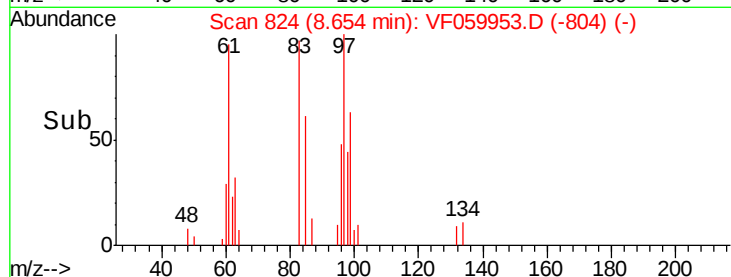
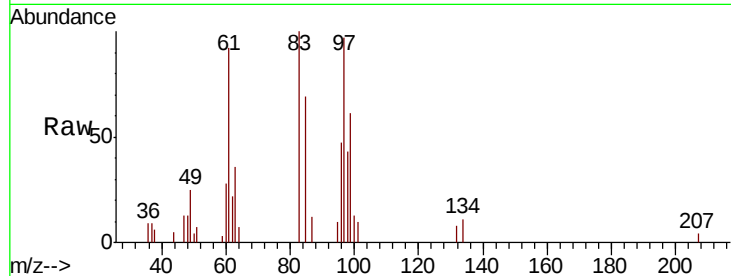
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	7061
Ion	Ratio	Lower	Upper
97	100		
83	102.9	70.0	105.0
85	70.8	45.2	67.8#
99	63.3	49.7	74.5

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#56

Ethyl methacrylate

Concen: 11.69 ug/l

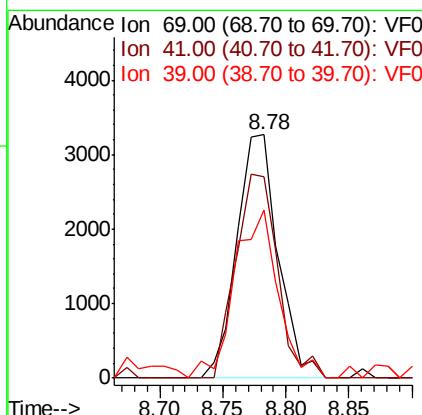
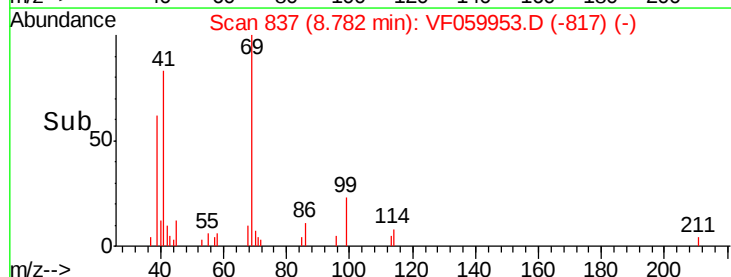
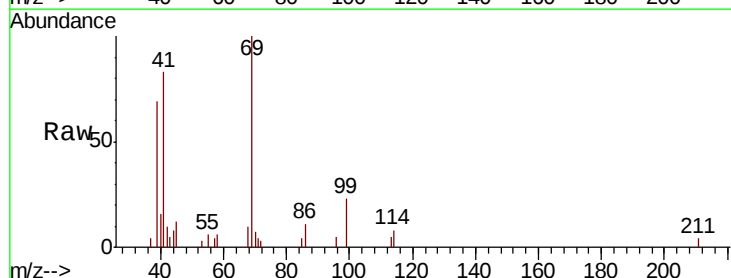
RT: 8.78 min Scan# 837

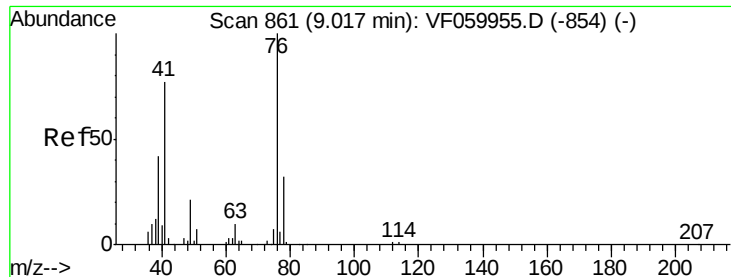
Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion:	69	Resp:	7436
Ion	Ratio	Lower	Upper
69	100		
41	83.0	68.7	103.1
39	69.2	58.5	87.7





#57

1,3-Dichloropropane

Concen: 10.27 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 13901

Ion Ratio Lower Upper

76 100

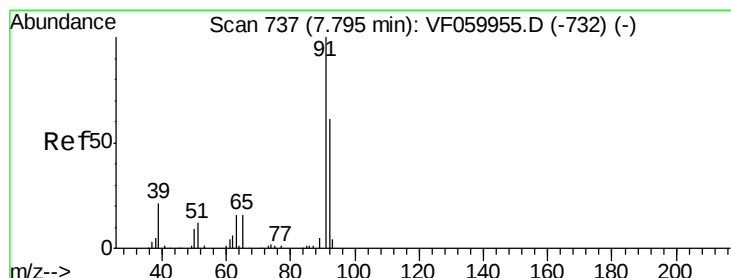
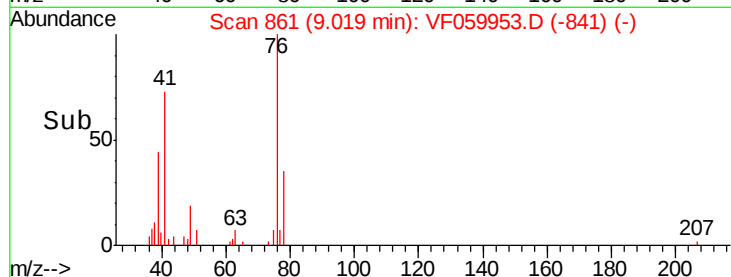
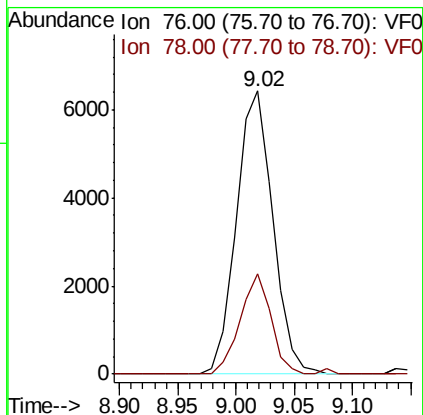
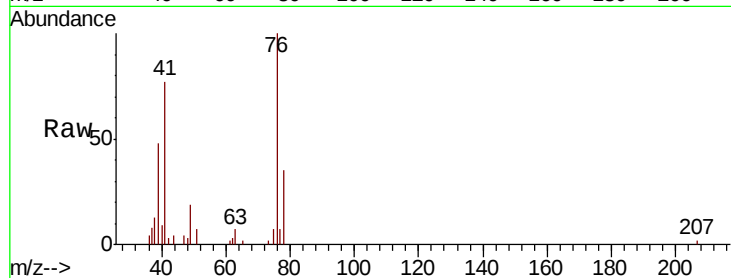
78 35.4 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 56.46 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059953.D

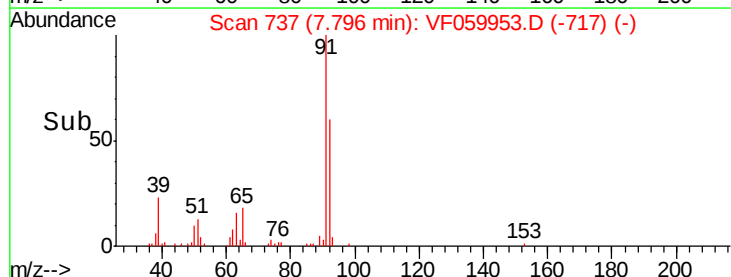
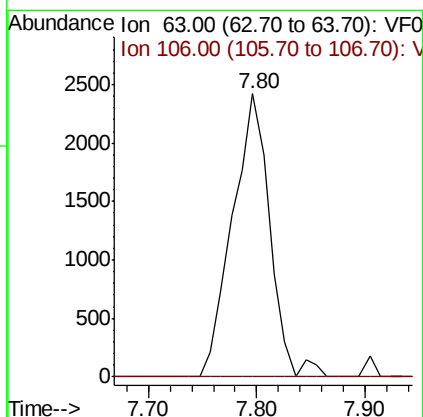
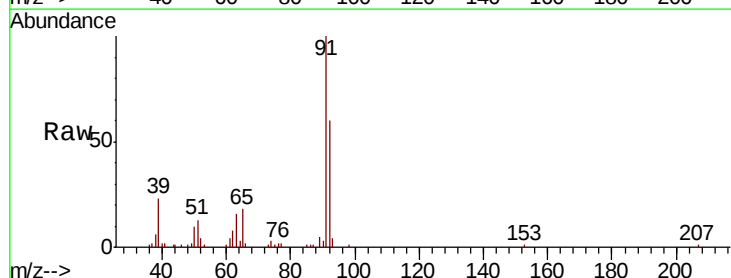
Acq: 14 Aug 2018 19:09

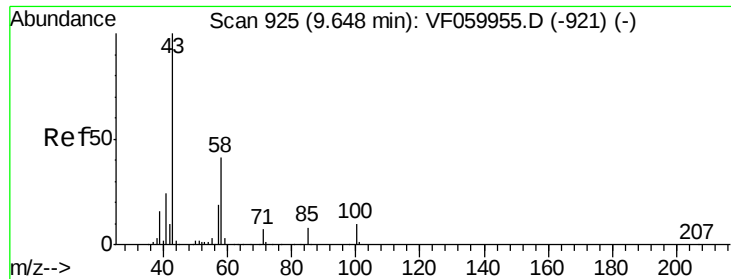
Tgt Ion: 63 Resp: 5821

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





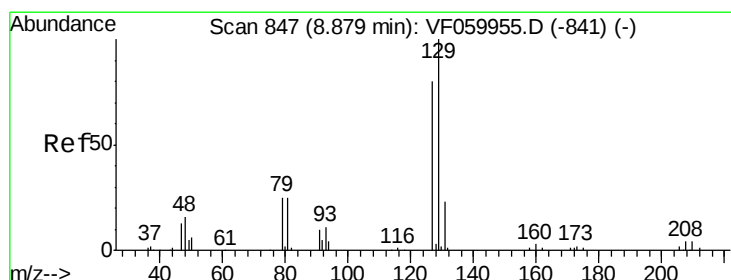
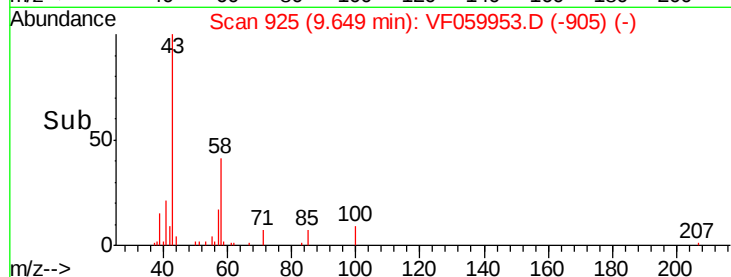
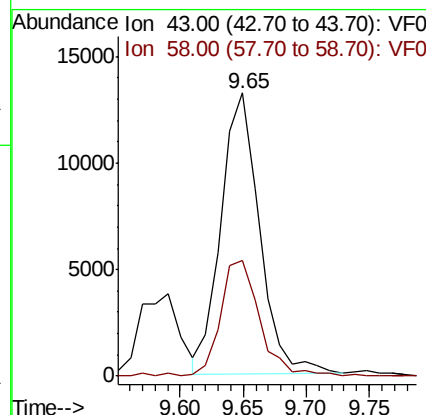
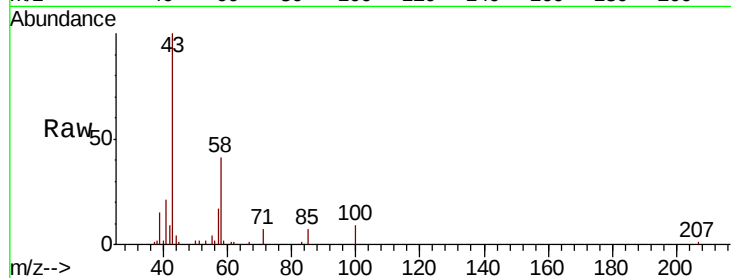
#59
2-Hexanone
Concen: 50.17 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	27916
Ion Ratio	100	Lower	Upper
43	100		
58	40.9	19.4	58.2

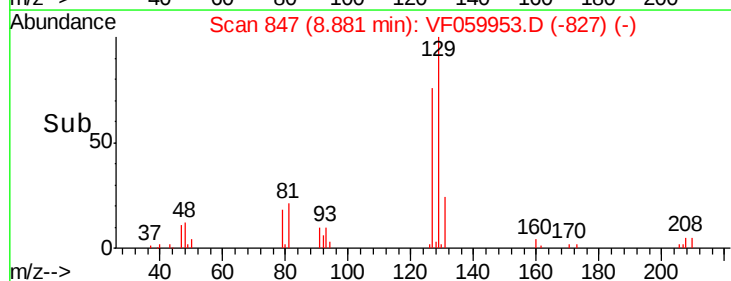
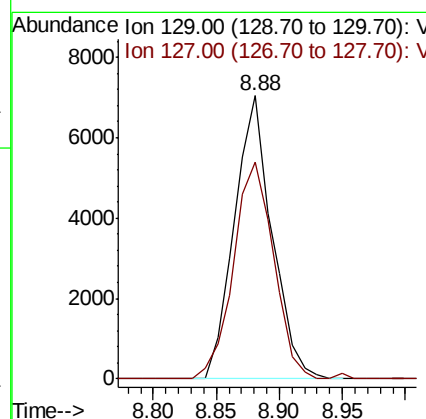
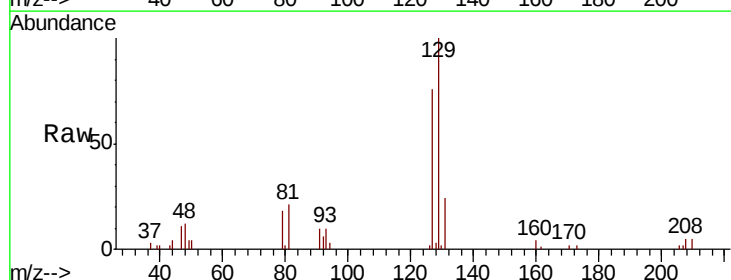
Manual Integrations
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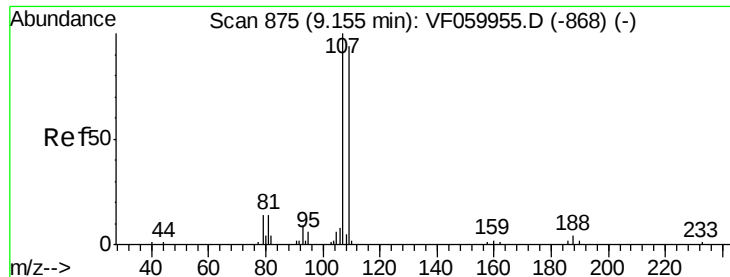
apatel
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#60
Dibromochloromethane
Concen: 9.88 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion	129	Resp	14518
Ion Ratio	100	Lower	Upper
129	100		
127	76.5	40.0	119.9





#61

1,2-Dibromoethane

Concen: 10.02 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 9515

Ion Ratio Lower Upper

107 100

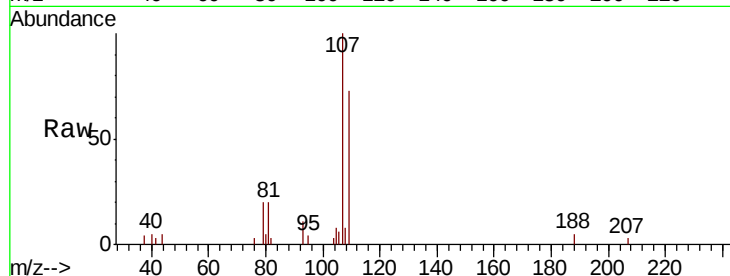
109 72.6 75.0 112.6#

Manual Integrations

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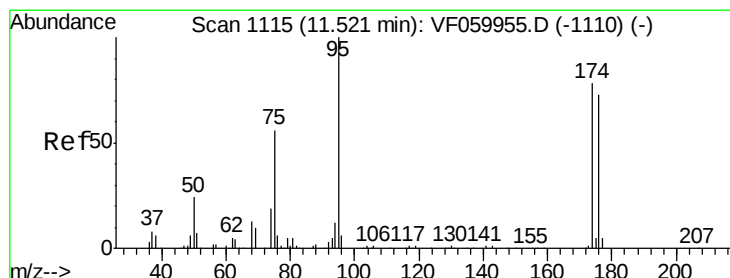
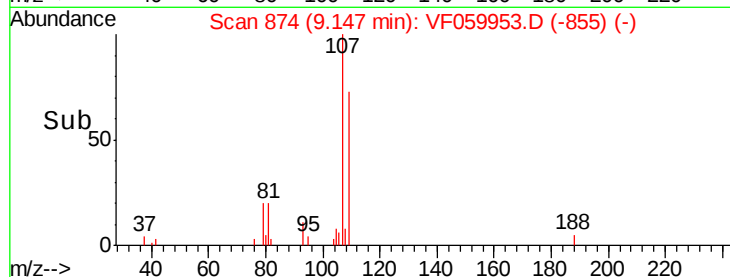
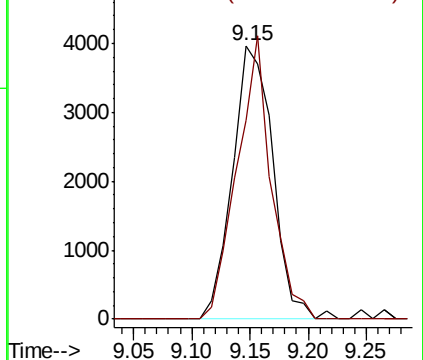
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 9.93 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

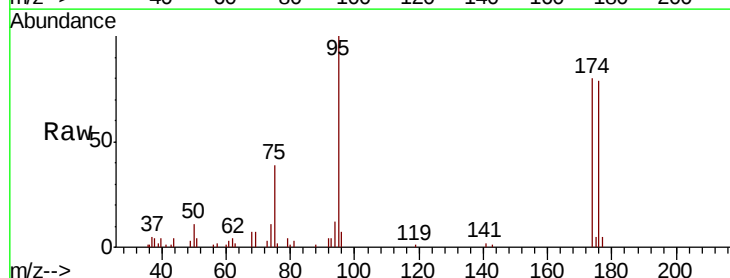
Tgt Ion: 95 Resp: 17802

Ion Ratio Lower Upper

95 100

174 80.2 0.0 156.4

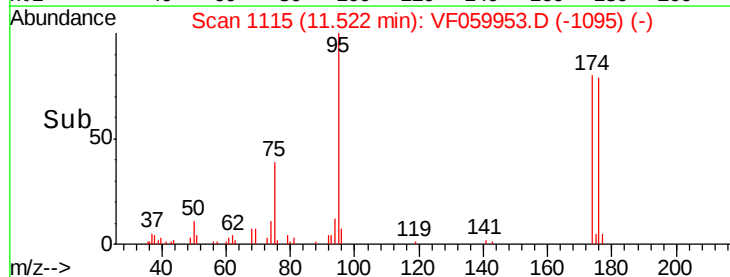
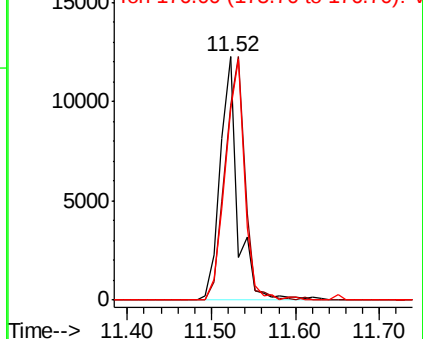
176 78.7 0.0 146.8

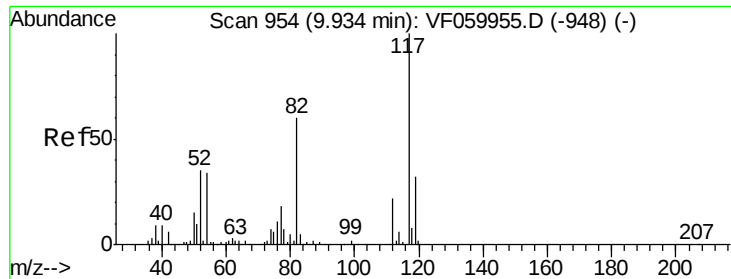


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





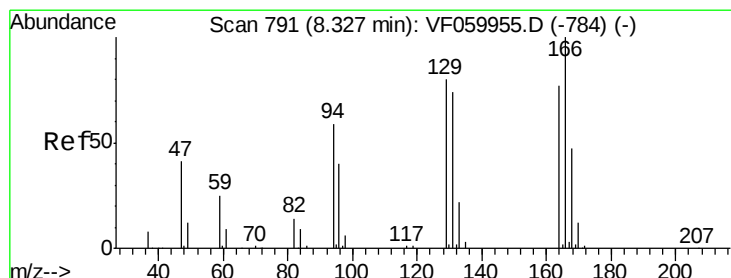
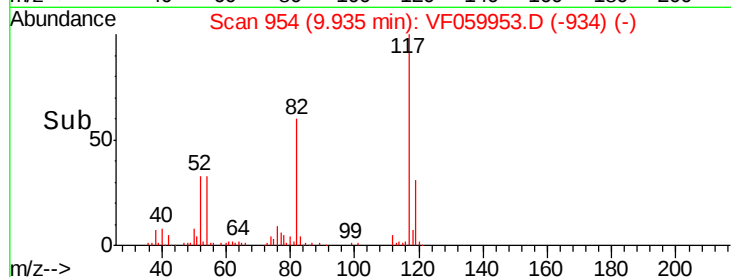
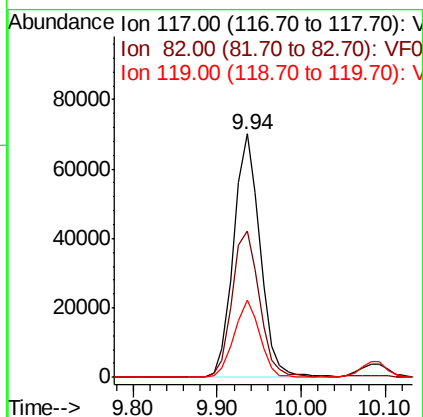
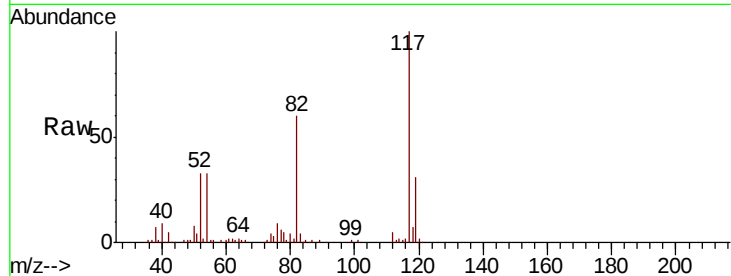
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	154315		
82	60.2	48.3	72.5	
119	31.5	25.7	38.5	

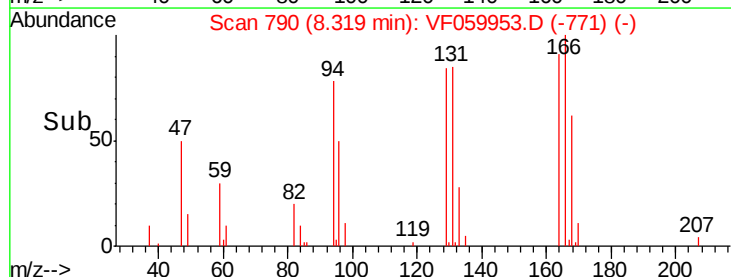
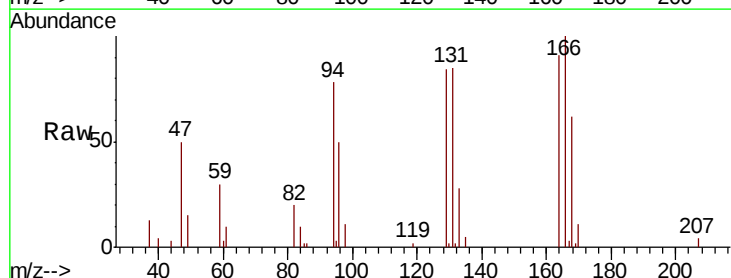
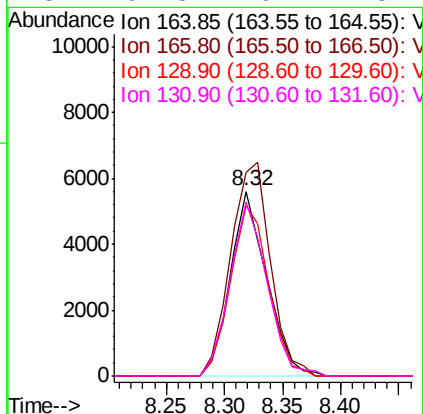
Manual Integrations
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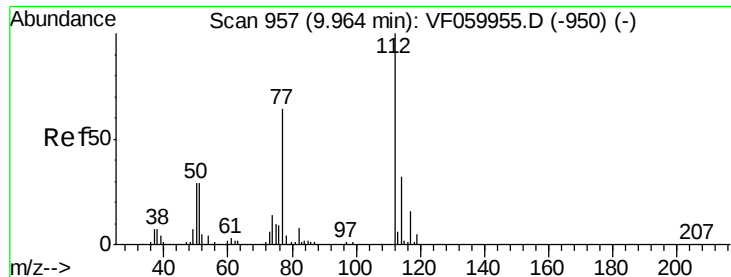
apatel
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#64
Tetrachloroethene
Concen: 9.43 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	12156		
166	110.3	103.4	155.2	
129	92.3	82.2	123.4	
131	94.3	76.7	115.1	





#65

Chlorobenzene

Concen: 9.73 ug/l

RT: 9.96 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 30085

Ion Ratio Lower Upper

112 100

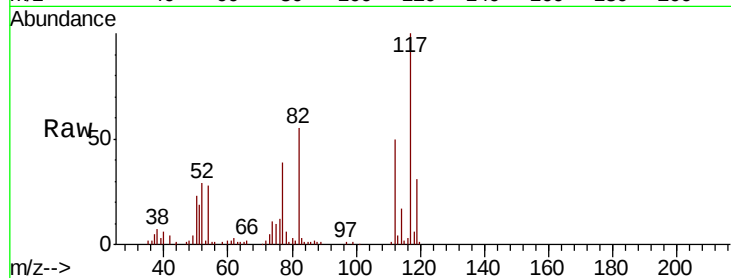
114 33.0 25.8 38.6

Manual Integrations

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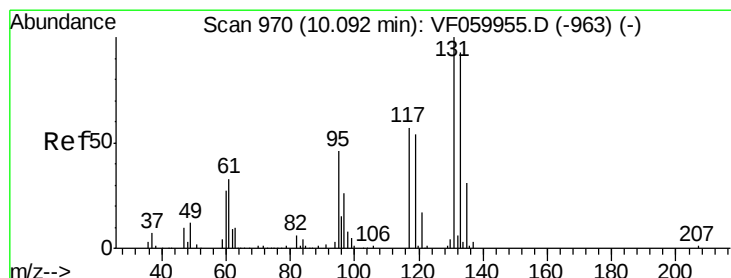
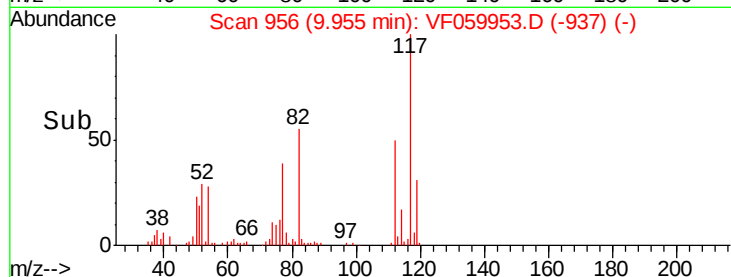
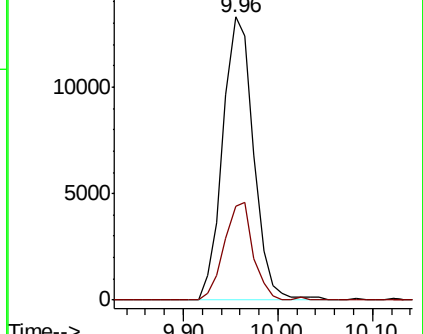
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.80 ug/l

RT: 10.08 min Scan# 969

Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

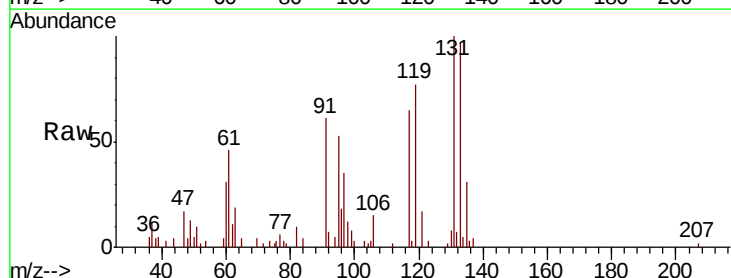
Tgt Ion:131 Resp: 14970

Ion Ratio Lower Upper

131 100

133 97.4 46.4 139.1

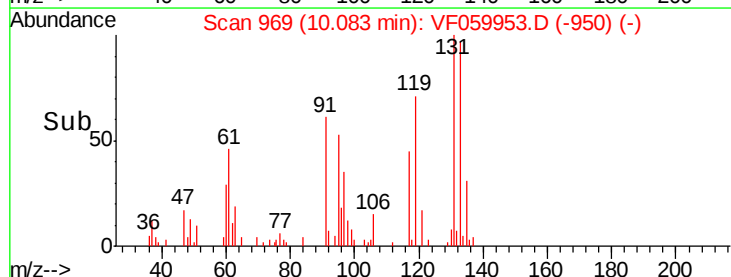
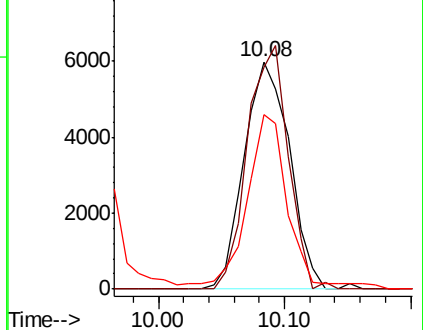
119 76.8 27.2 81.5

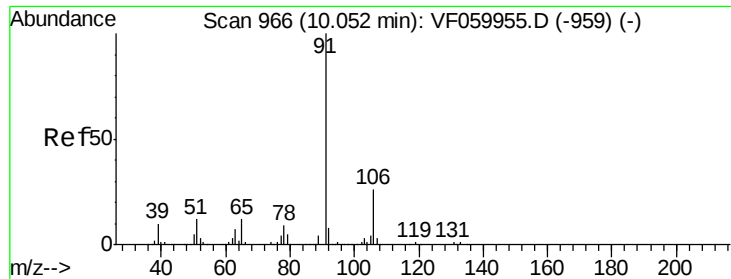


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





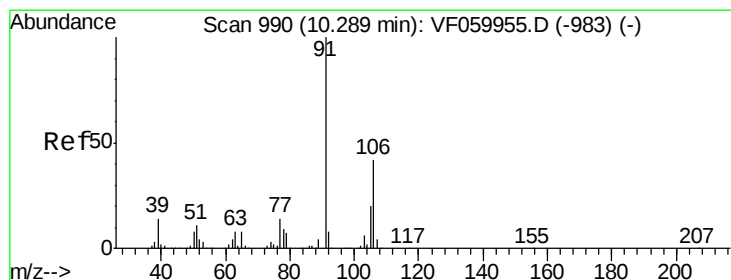
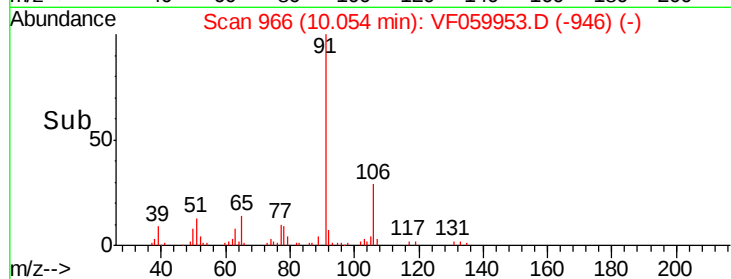
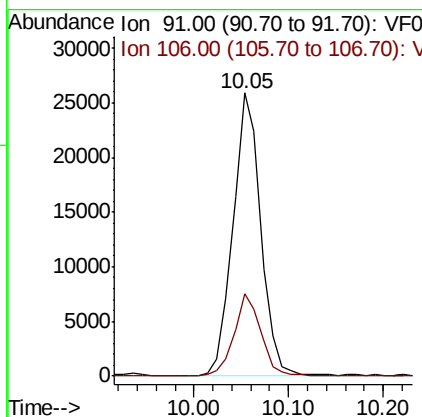
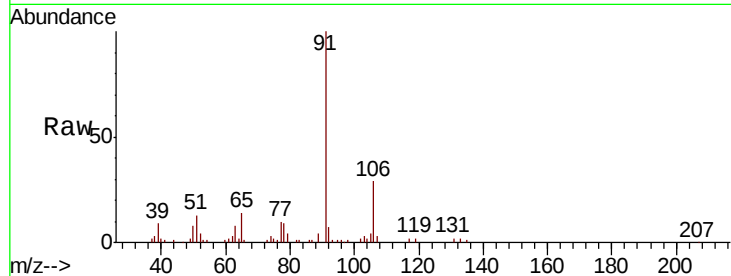
#67
Ethyl Benzene
Concen: 9.88 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 52841
Ion Ratio Lower Upper
91 100
106 29.2 20.7 31.1

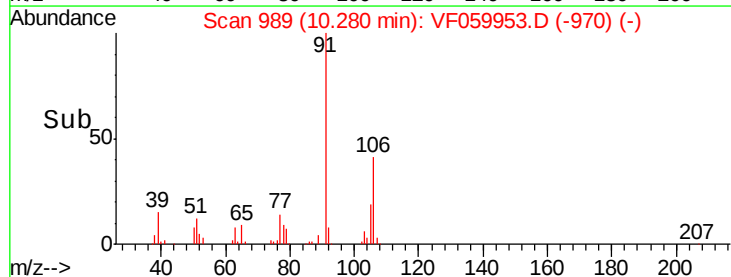
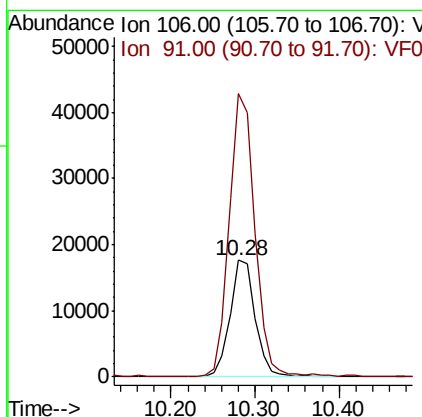
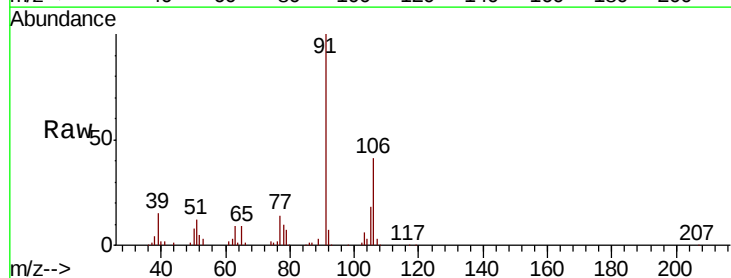
Manual Integrations
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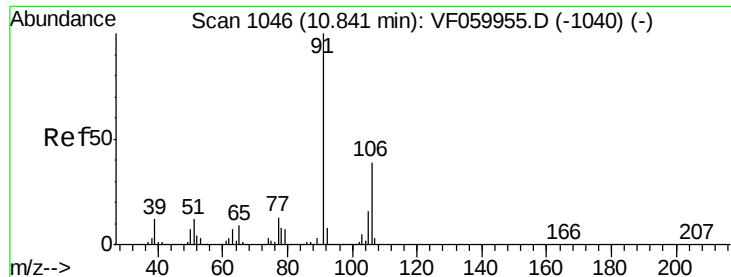
apatel
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#68
m/p-Xylenes
Concen: 19.98 ug/l
RT: 10.28 min Scan# 989
Delta R.T. -0.01 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion: 106 Resp: 36963
Ion Ratio Lower Upper
106 100
91 243.2 191.8 287.8





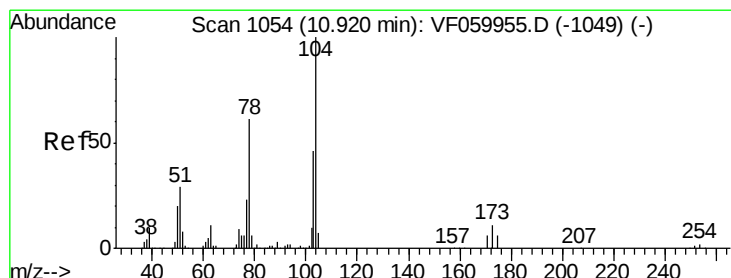
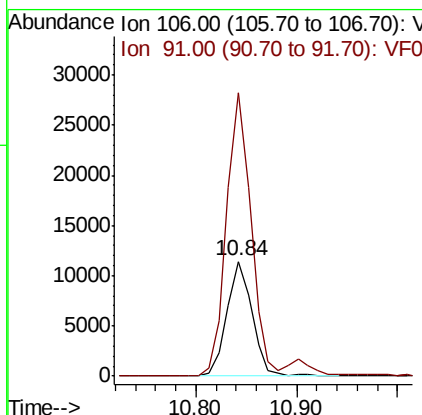
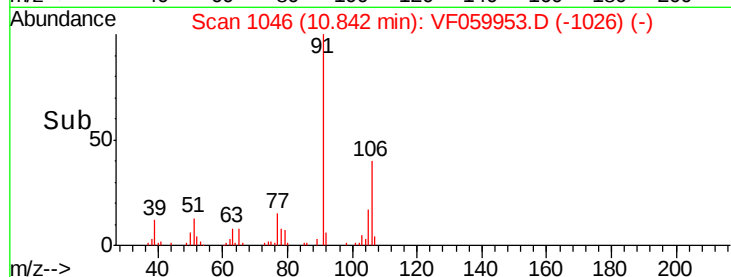
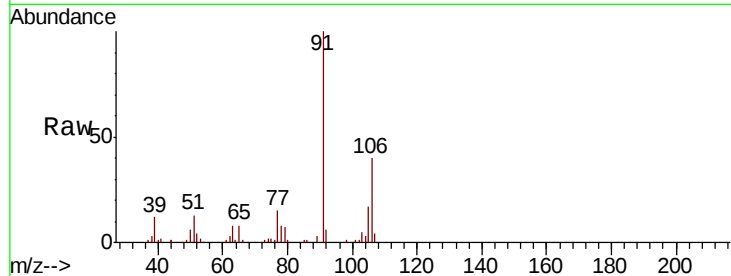
#69
o-Xylene
Concen: 10.31 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 20016
Ion Ratio Lower Upper
106 100
91 247.3 126.8 380.6

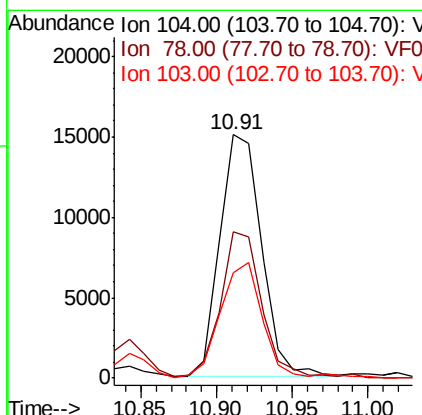
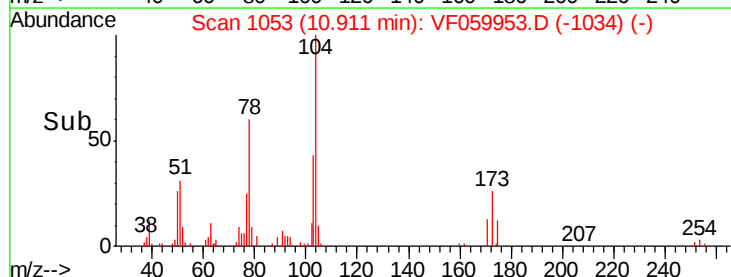
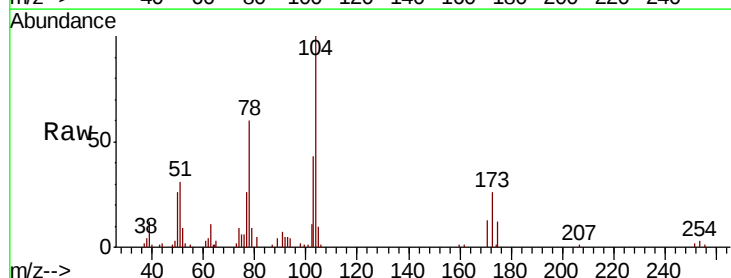
Manual Integrations
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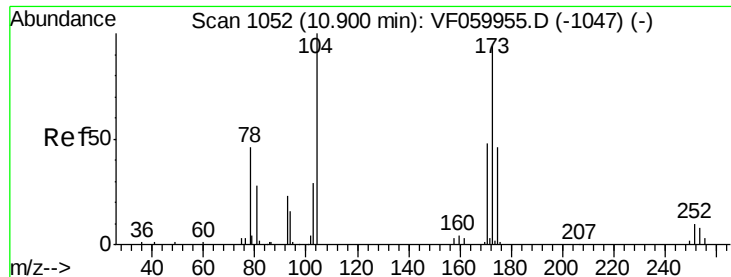
apatel
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#70
Styrene
Concen: 9.86 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion:104 Resp: 28884
Ion Ratio Lower Upper
104 100
78 60.2 49.2 73.8
103 43.5 37.4 56.0





#71

Bromoform

Concen: 9.71 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

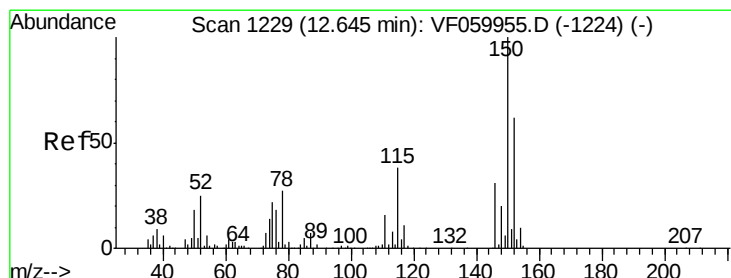
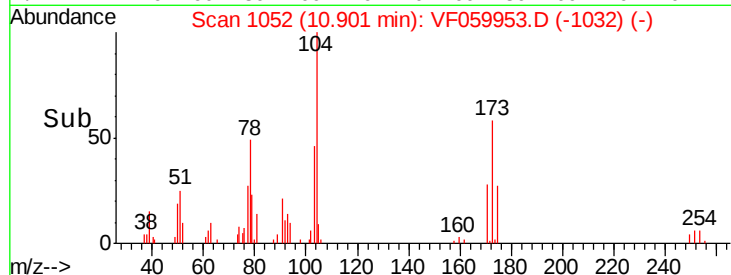
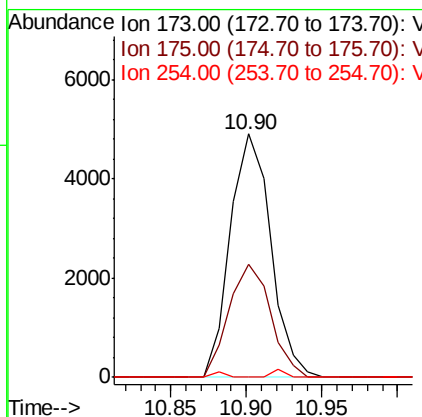
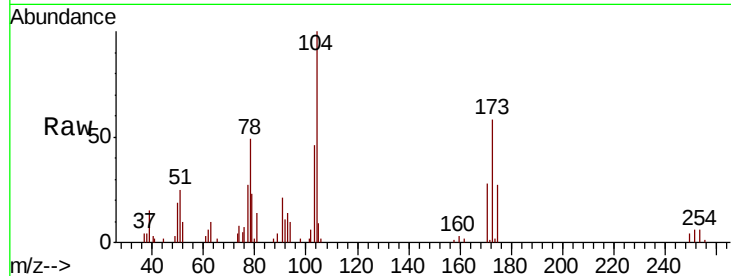
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.6	24.6	73.6
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

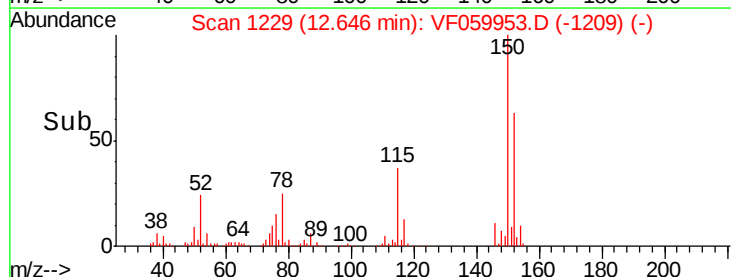
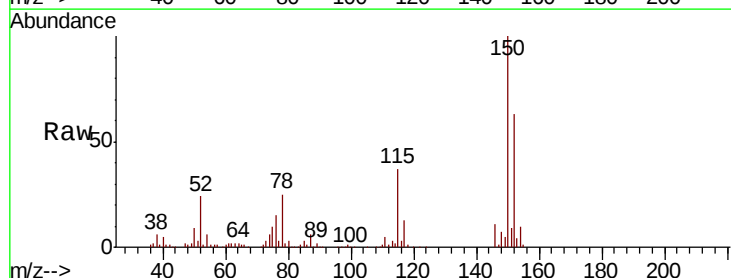
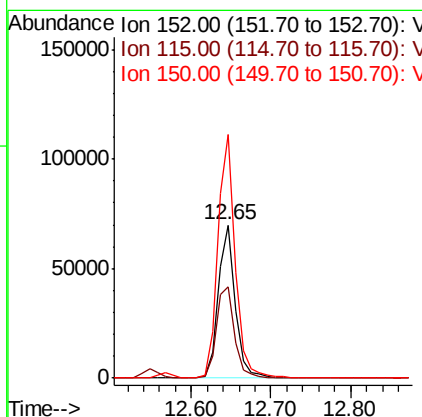
RT: 12.65 min Scan# 1229

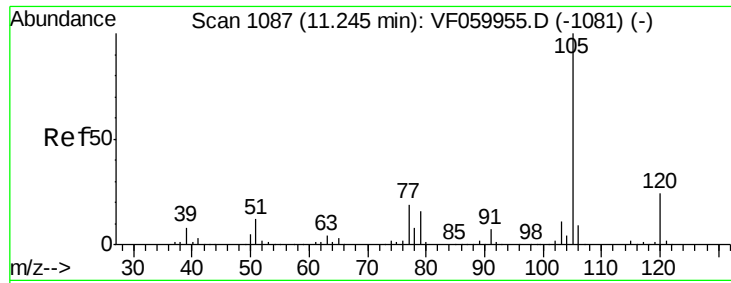
Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	31.4	94.0
150	159.3	0.0	326.2





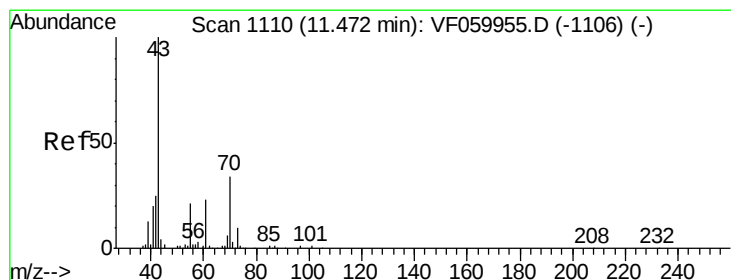
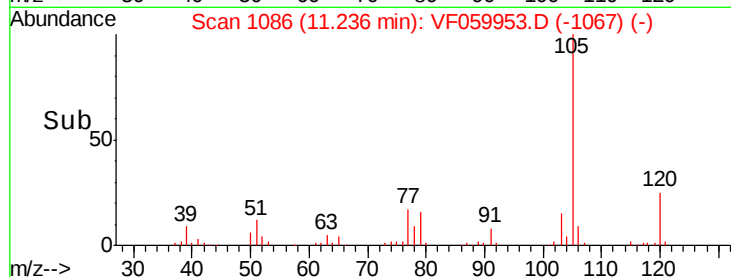
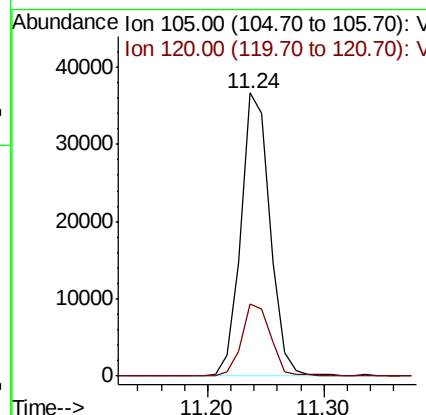
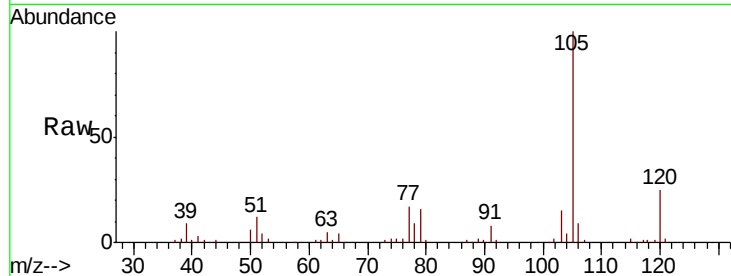
#73
Isopropylbenzene
Concen: 9.66 ug/l
RT: 11.24 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 105 Resp: 63425
Ion Ratio Lower Upper
105 100
120 25.4 11.9 35.9

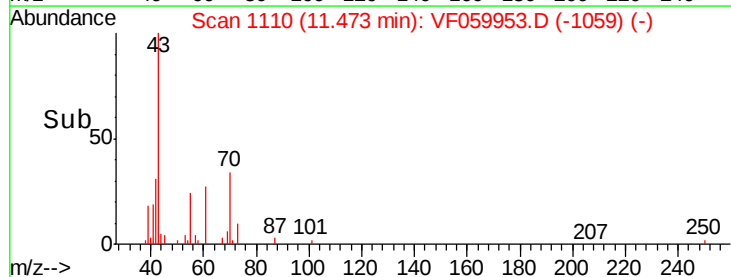
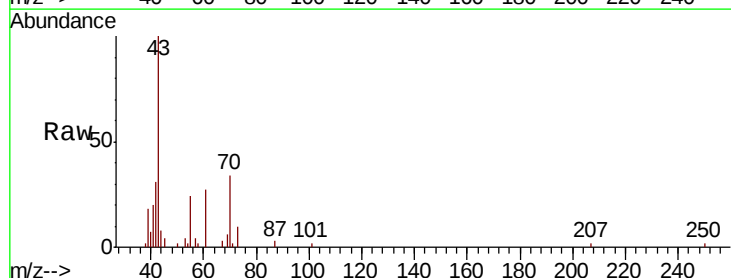
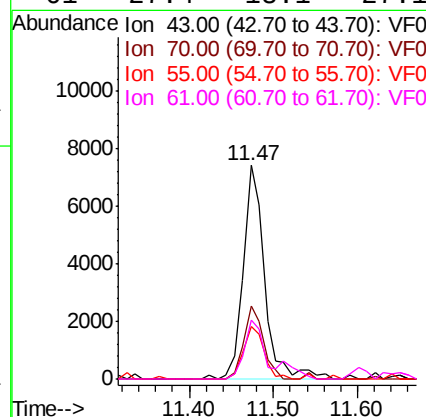
Manual Integrations
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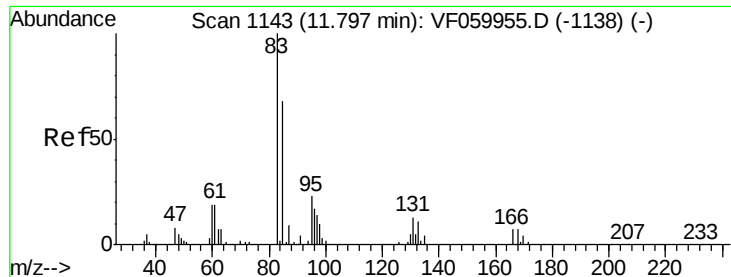
apatel
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#74
N-ethyl acetate
Concen: 10.53 ug/l
RT: 11.47 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion: 43 Resp: 13110
Ion Ratio Lower Upper
43 100
70 34.2 26.9 40.3
55 24.3 16.9 25.3
61 27.4 18.1 27.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 8.91 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

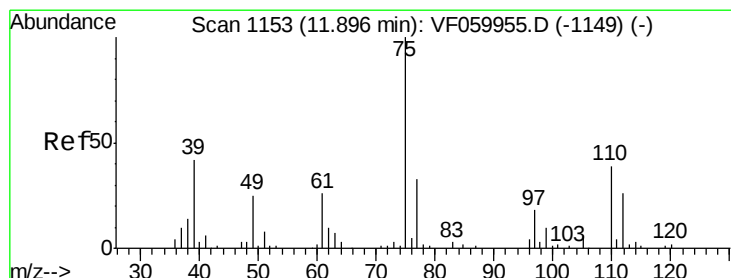
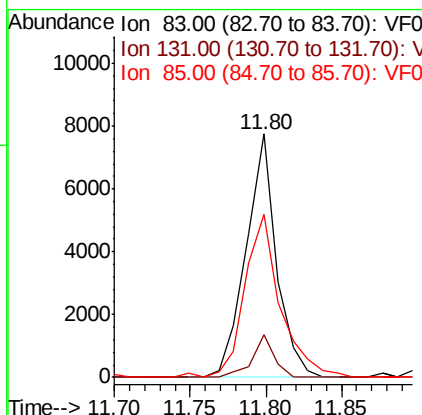
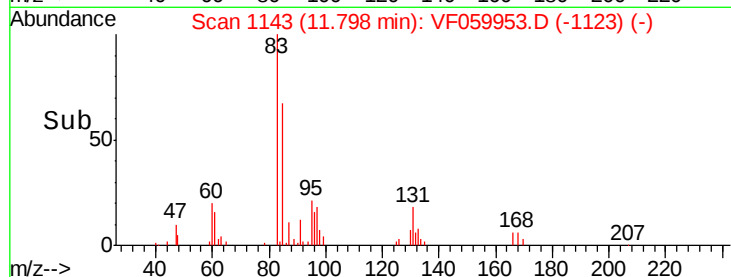
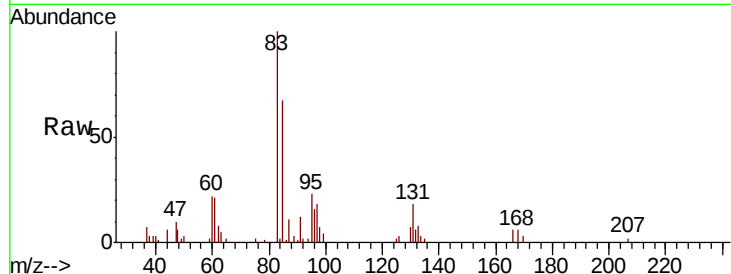
ClientSampleId :

VSTDIC010

Tot Ion	83	Resp	10903
Ion	Ratio	Lower	Upper
83	100		
131	17.4	6.3	19.1
85	65.9	33.9	101.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 9.47 ug/l

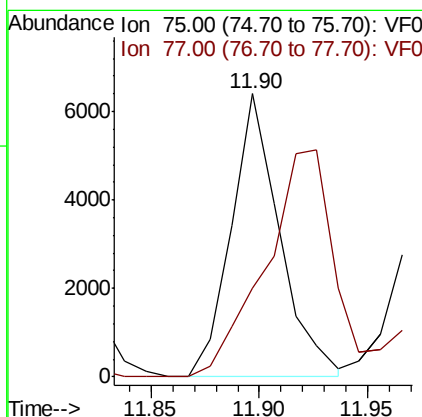
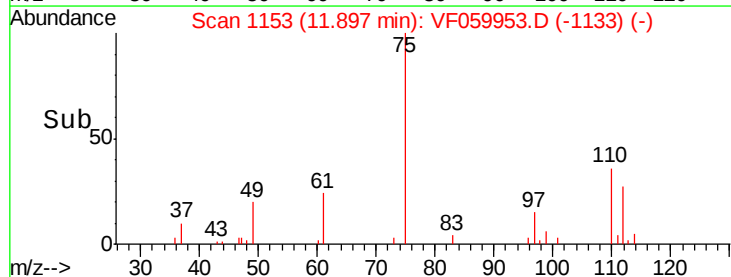
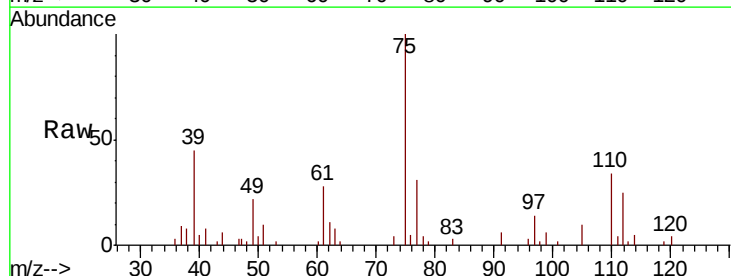
RT: 11.90 min Scan# 1153

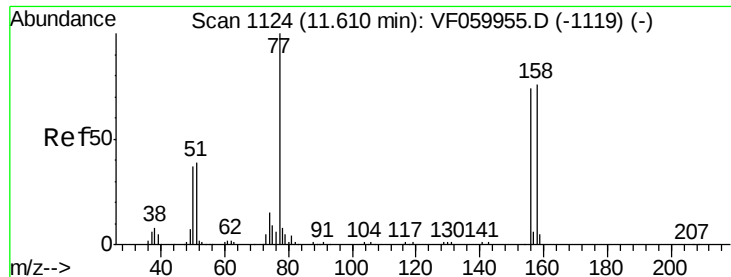
Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion	75	Resp	10001
Ion	Ratio	Lower	Upper
75	100		
77	31.4	16.6	49.7





#77

Bromobenzene

Concen: 10.18 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 18226

Ion Ratio Lower Upper

156 100

77 125.4 67.8 203.2

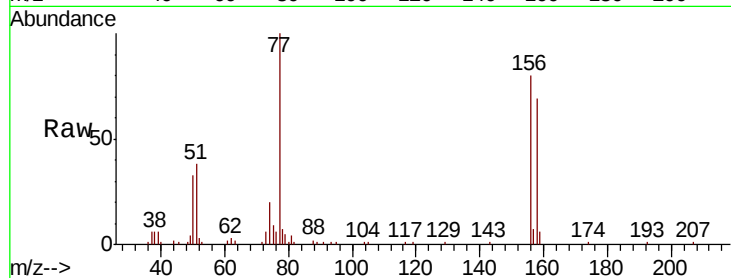
158 86.6 51.7 155.2

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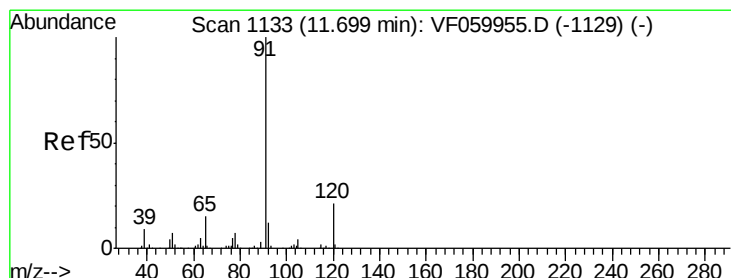
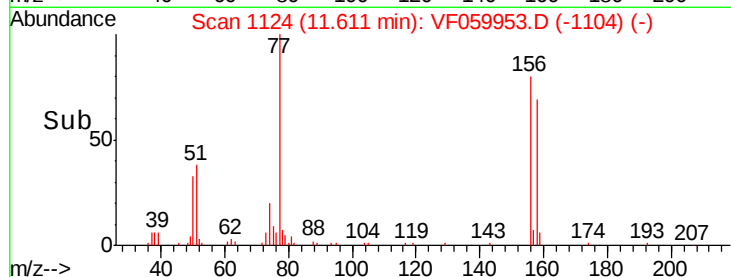
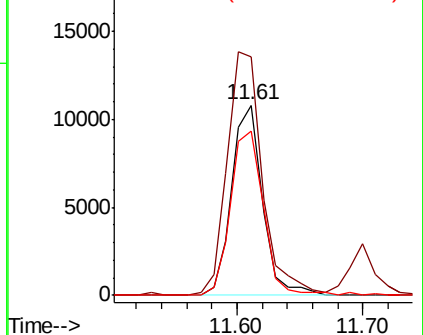
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 10.54 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059953.D

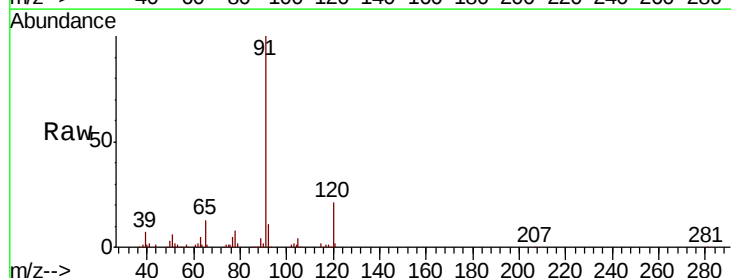
Acq: 14 Aug 2018 19:09

Tgt Ion: 91 Resp: 81853

Ion Ratio Lower Upper

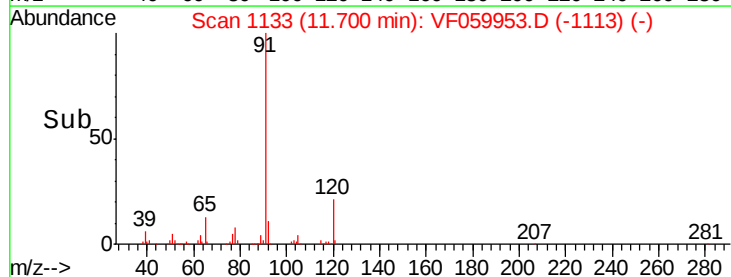
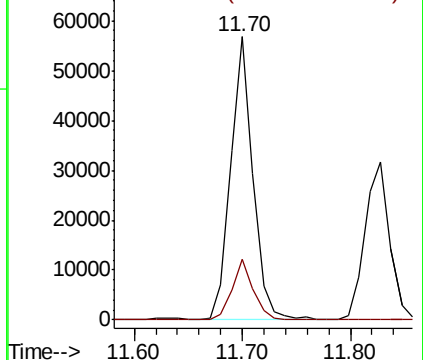
91 100

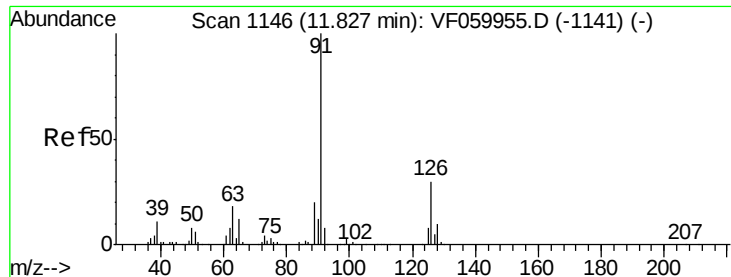
120 21.5 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.35 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 50607

Ion Ratio Lower Upper

91 100

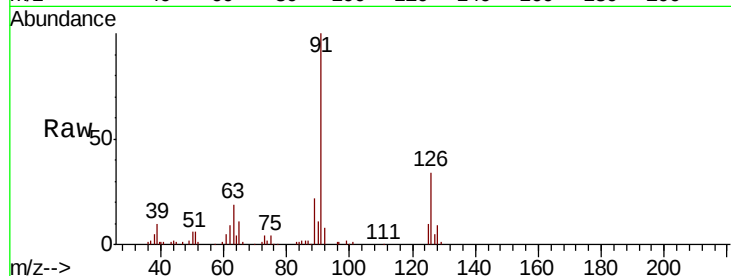
126 33.8 15.2 45.5

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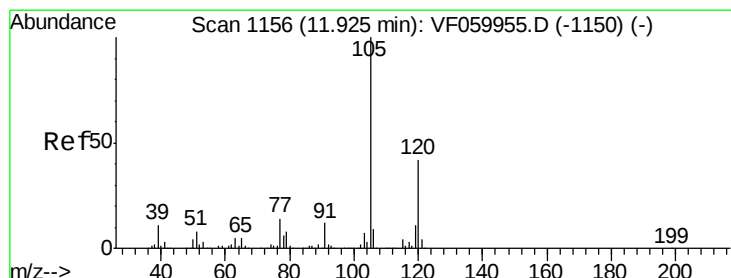
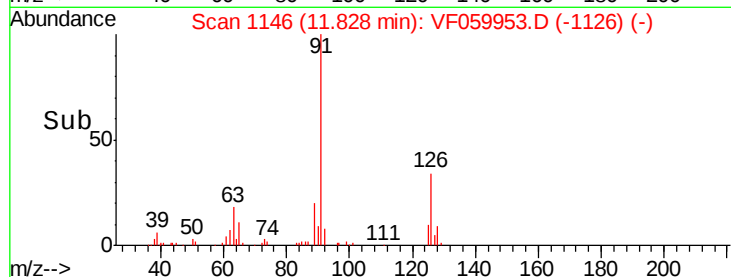
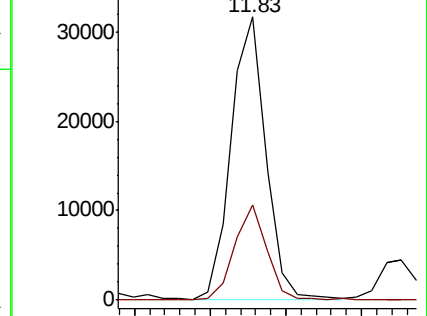
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 10.61 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF059953.D

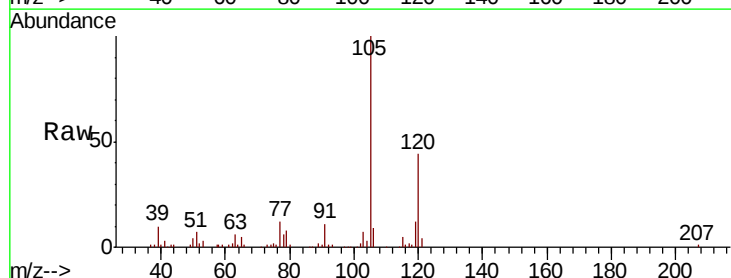
Acq: 14 Aug 2018 19:09

Tgt Ion:105 Resp: 64614

Ion Ratio Lower Upper

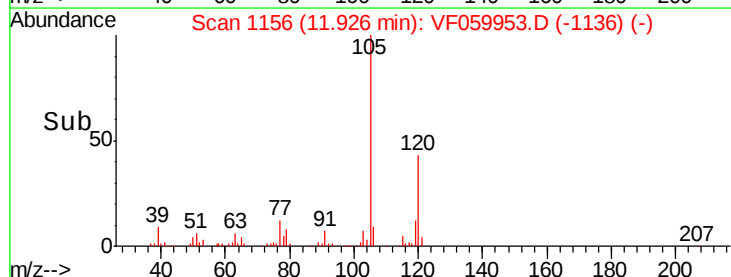
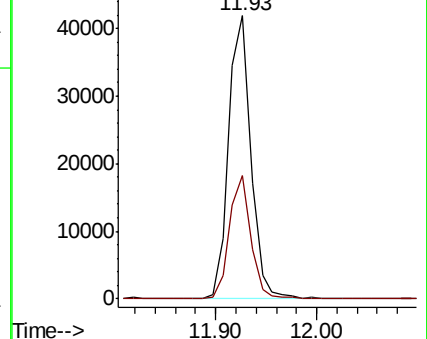
105 100

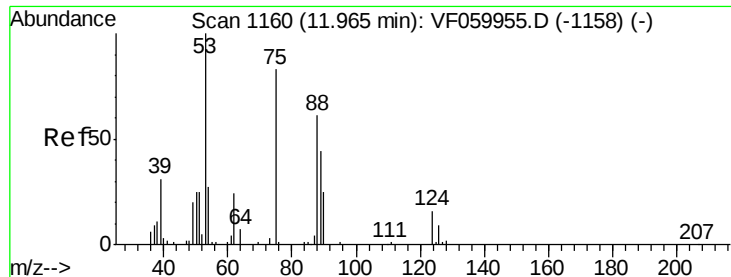
120 43.7 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 9.20 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 3860

Ion Ratio Lower Upper

75 100

53 114.5 97.1 145.7

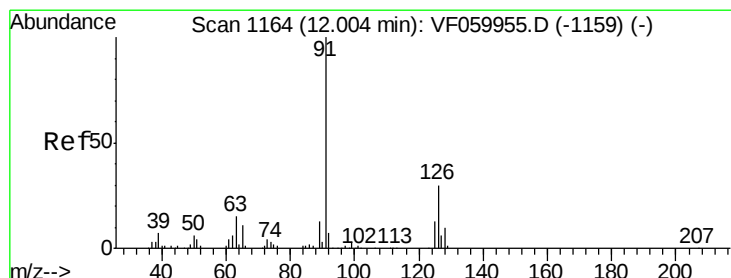
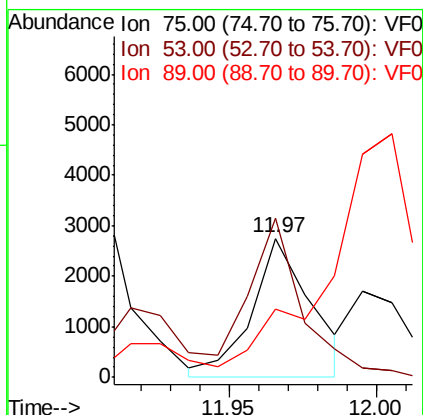
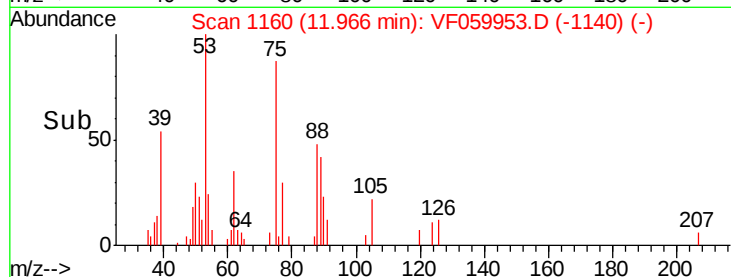
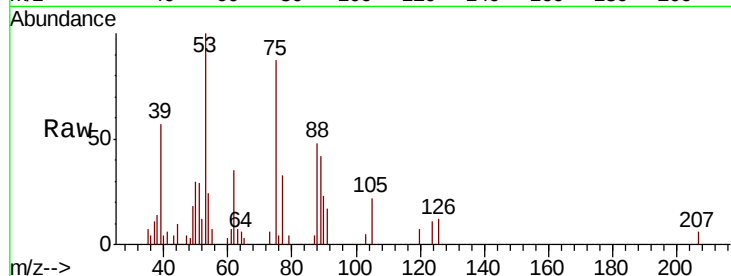
89 48.7 43.6 65.4

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#82

4-Chlorotoluene

Concen: 10.57 ug/l

RT: 12.01 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VF059953.D

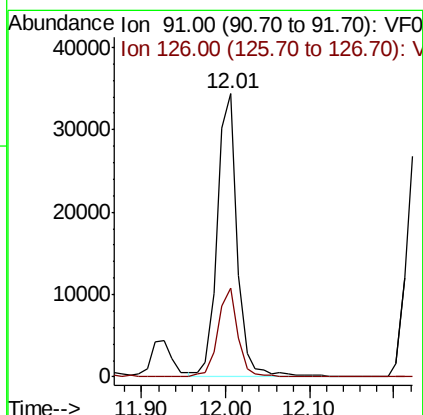
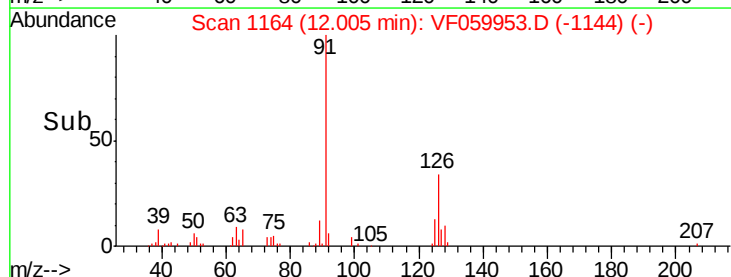
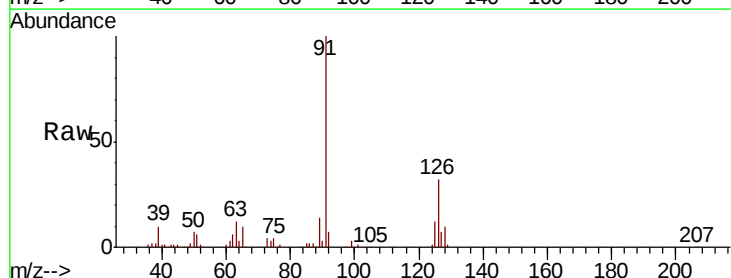
Acq: 14 Aug 2018 19:09

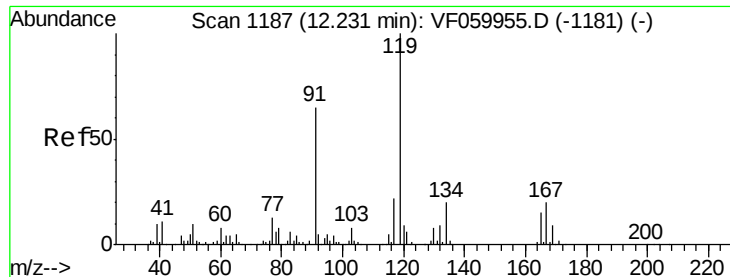
Tgt Ion: 91 Resp: 56776

Ion Ratio Lower Upper

91 100

126 31.6 15.3 45.8





#83

tert-Butylbenzene

Concen: 10.58 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

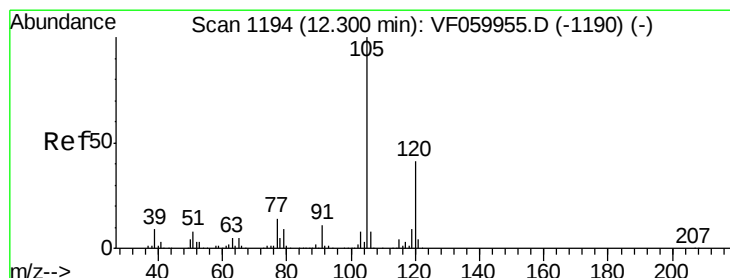
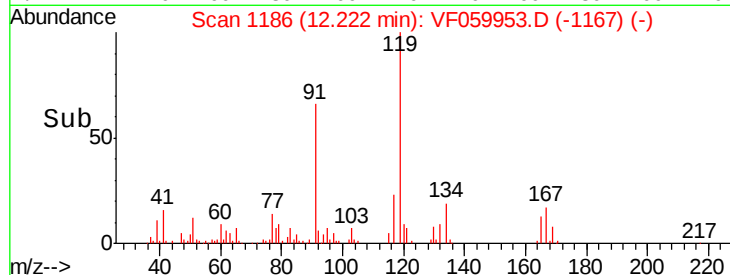
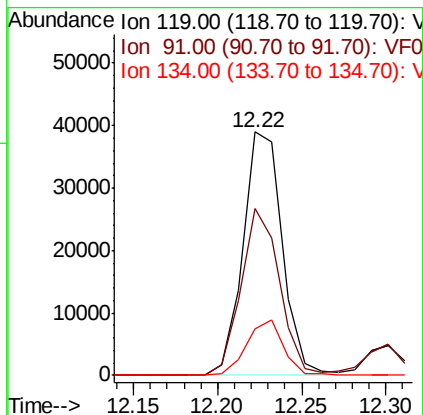
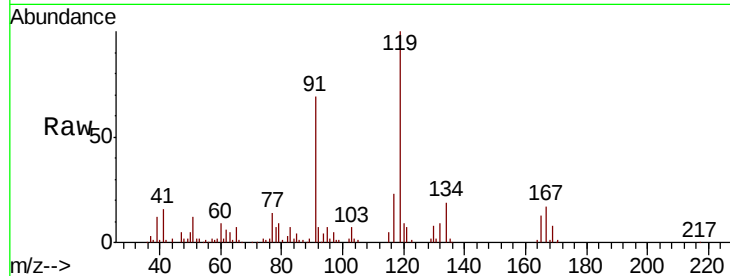
ClientSampleId :

VSTDIC010

Tot Ion:	119	Resp:	63117
Ion Ratio	Lower	Upper	
119	100		
91	68.5	32.6	98.0
134	19.1	10.1	30.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 10.26 ug/l

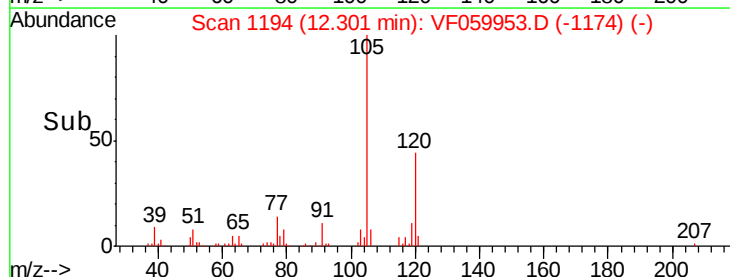
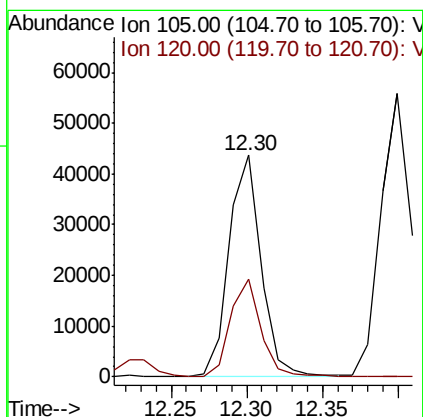
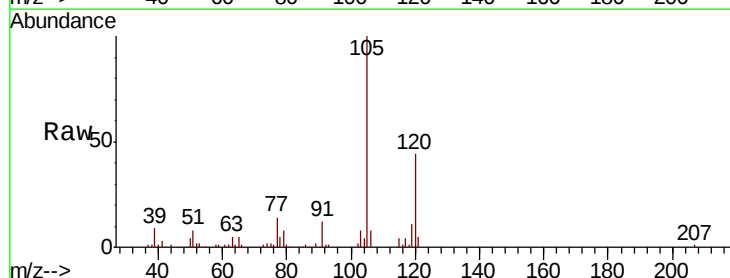
RT: 12.30 min Scan# 1194

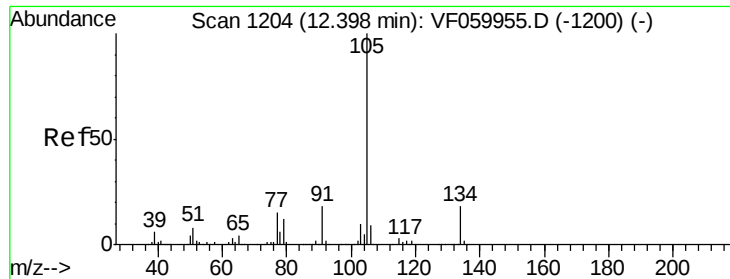
Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion:	105	Resp:	64767
Ion Ratio	Lower	Upper	
105	100		
120	44.3	20.6	61.9





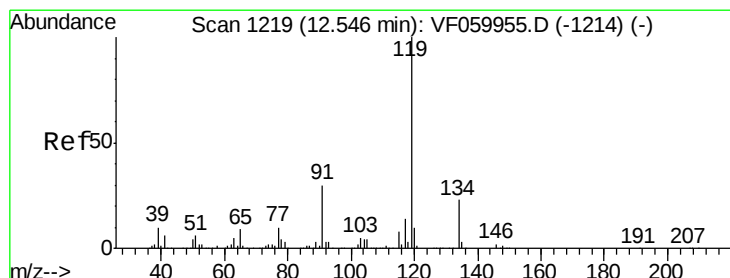
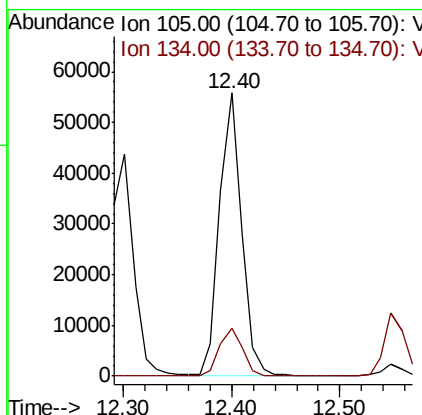
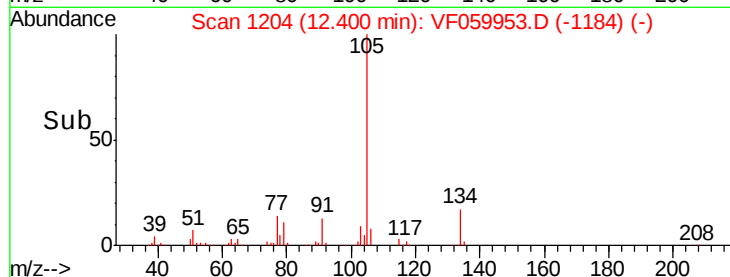
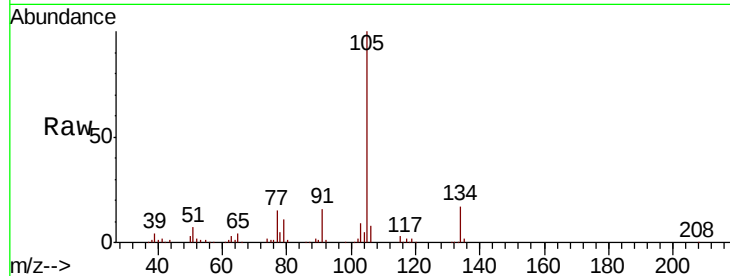
#85
 sec-Butylbenzene
 Concen: 10.12 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: VF059953.D
 Acq: 14 Aug 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.8	8.9	26.7

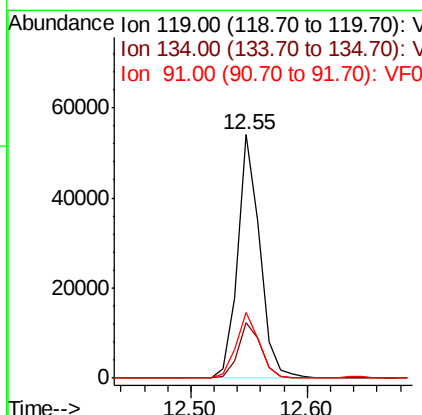
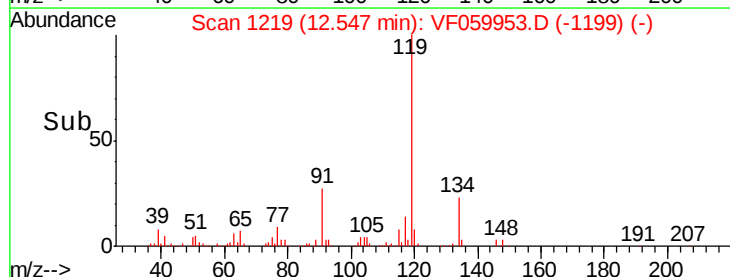
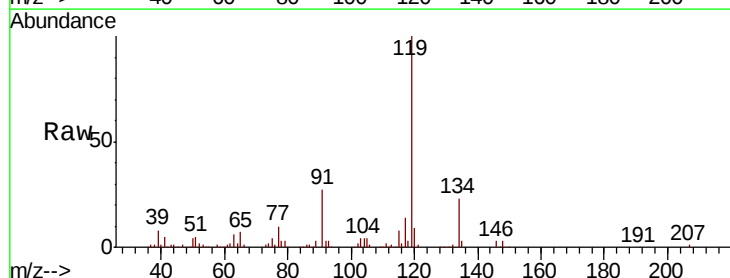
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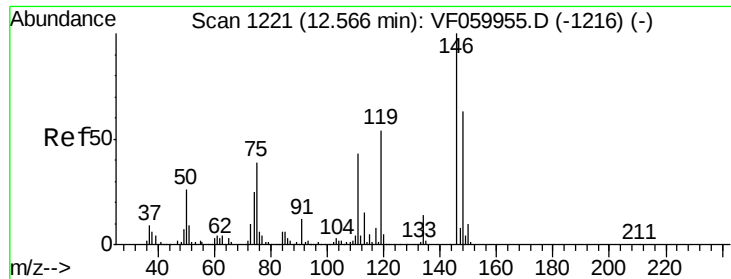
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#86
 p-Isopropyltoluene
 Concen: 10.73 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059953.D
 Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	22.9	11.4	34.2
91	27.0	14.8	44.4





#87

1,3-Dichlorobenzene

Concen: 10.44 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

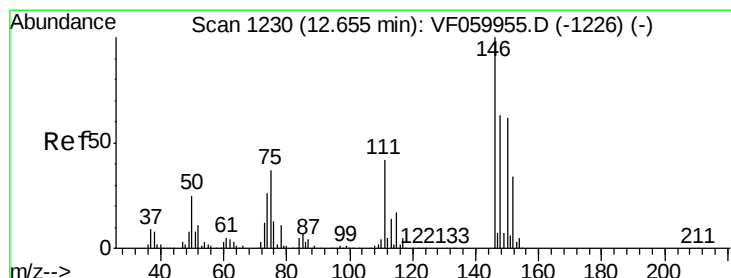
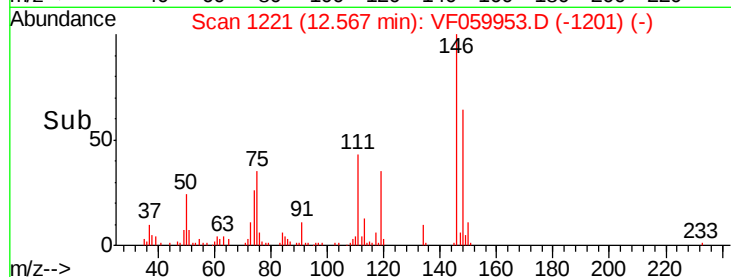
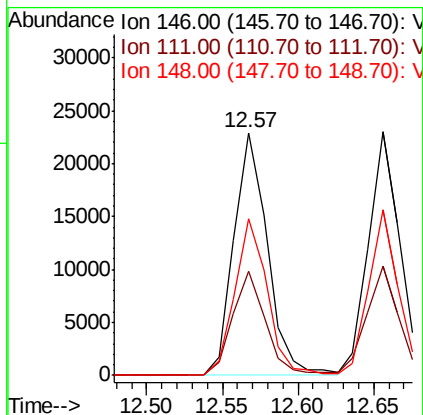
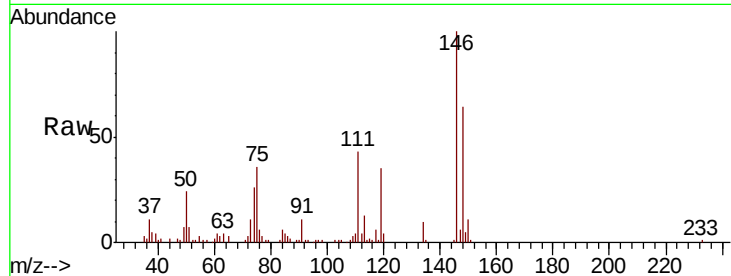
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	35373
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.3	63.9
148	64.3	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.36 ug/l

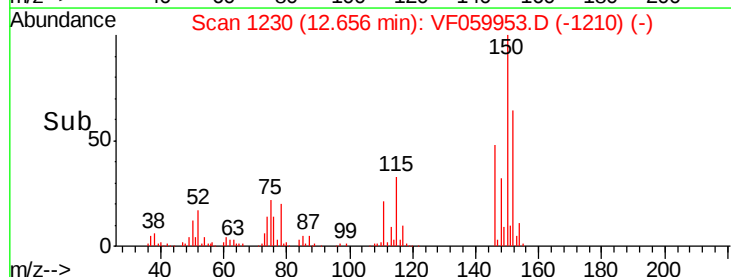
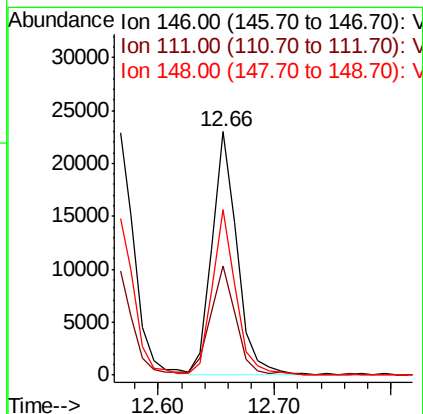
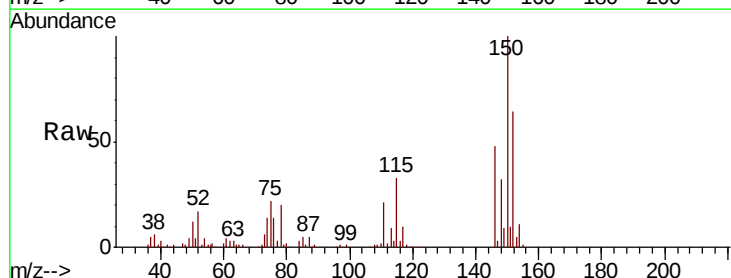
RT: 12.66 min Scan# 1230

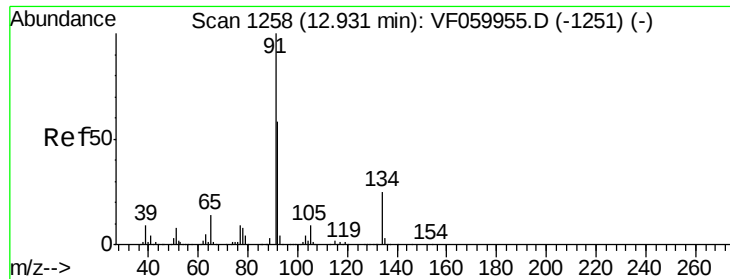
Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion:	146	Resp:	34567
Ion Ratio	Lower	Upper	
146	100		
111	44.8	21.1	63.1
148	67.8	31.7	95.1





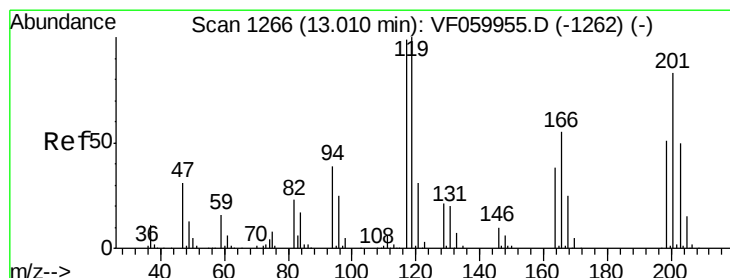
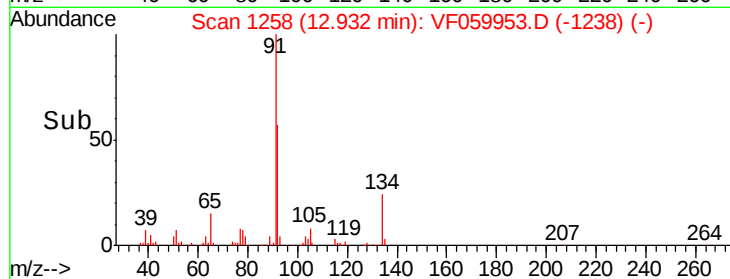
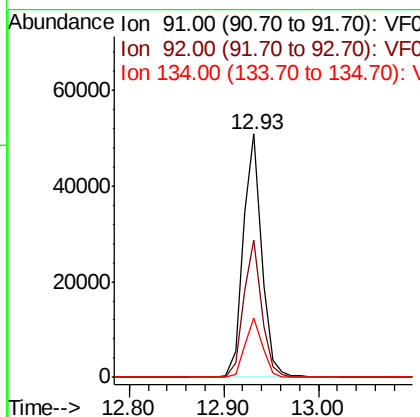
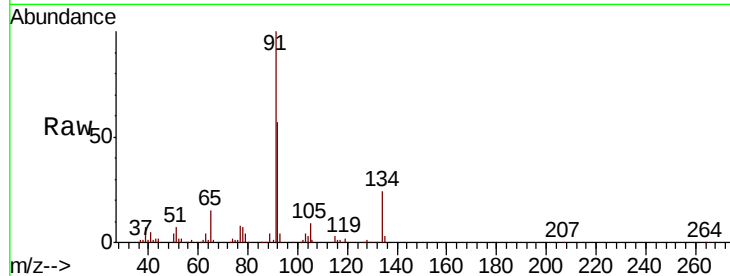
#89
n-Butylbenzene
Concen: 10.73 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.6	29.2	87.6
134	24.1	12.8	38.3

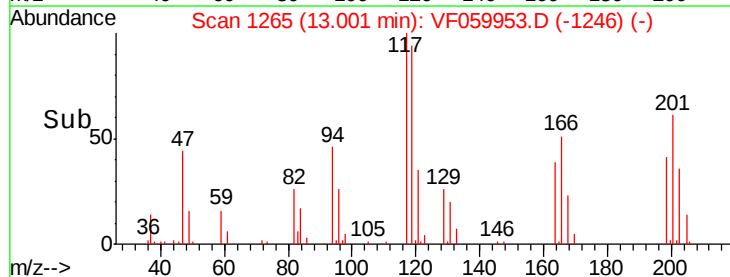
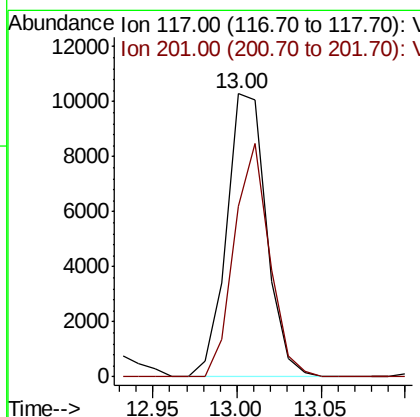
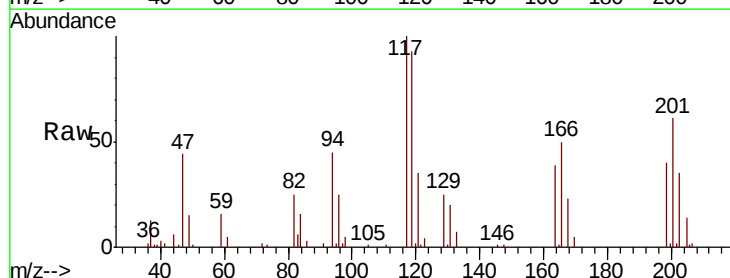
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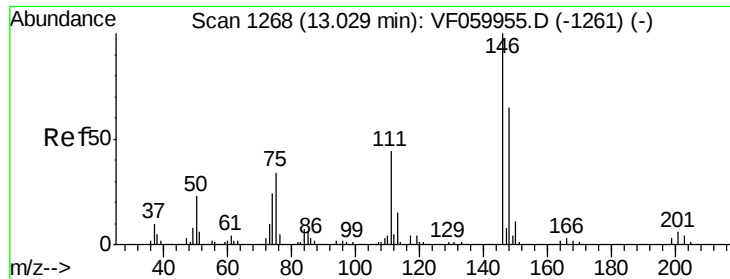
apatel
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#90
Hexachloroethane
Concen: 9.36 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VF059953.D
Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.8	41.8	125.3





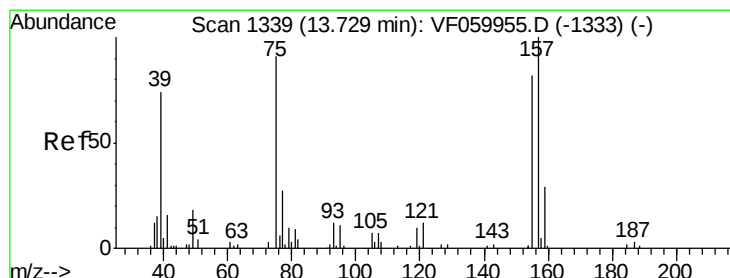
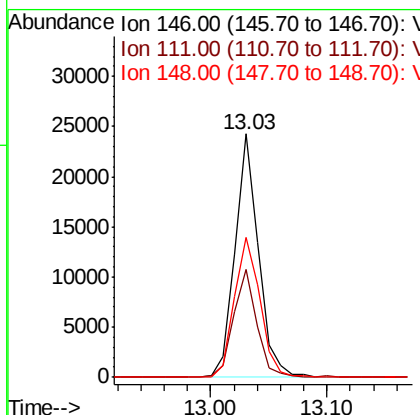
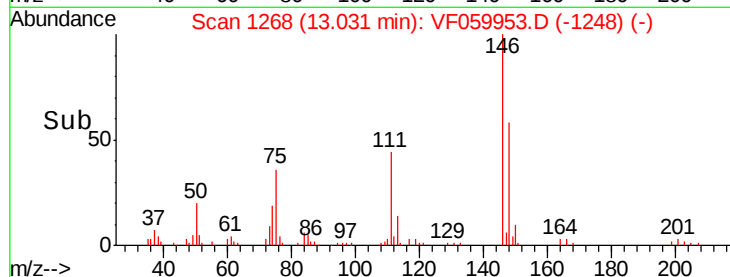
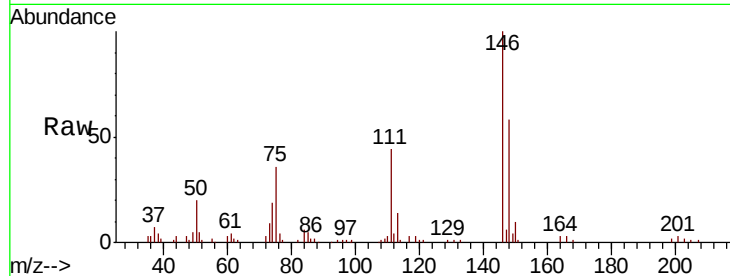
#91
 1,2-Dichlorobenzene
 Concen: 10.44 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059953.D
 Acq: 14 Aug 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.0	66.0
148	57.7	32.4	97.0

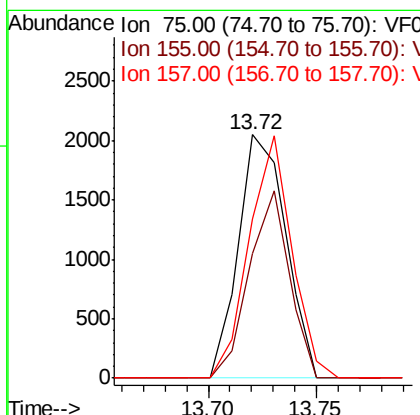
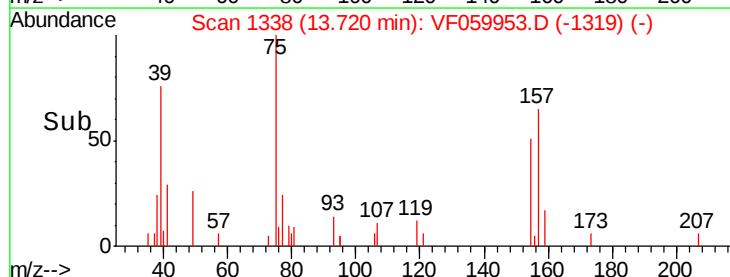
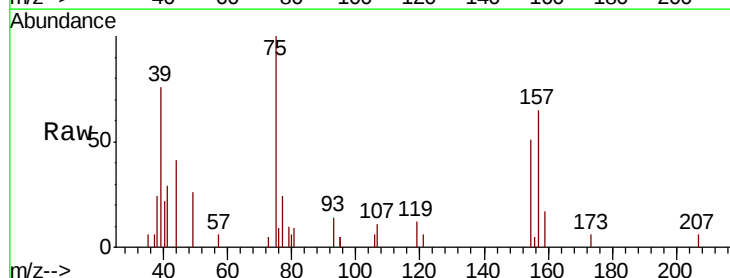
Manual Integrations
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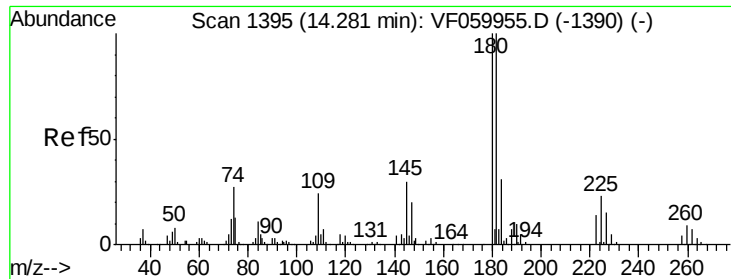
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.10 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VF059953.D
 Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	56.3	44.6	134.0
157	65.4	54.8	164.3





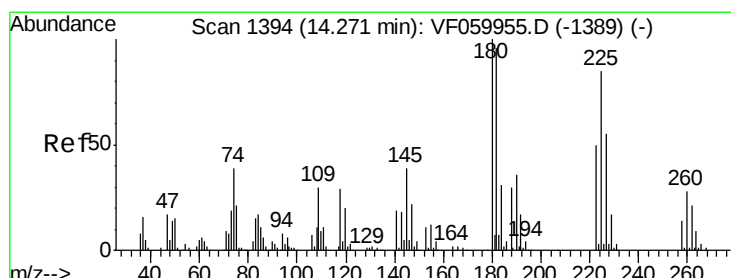
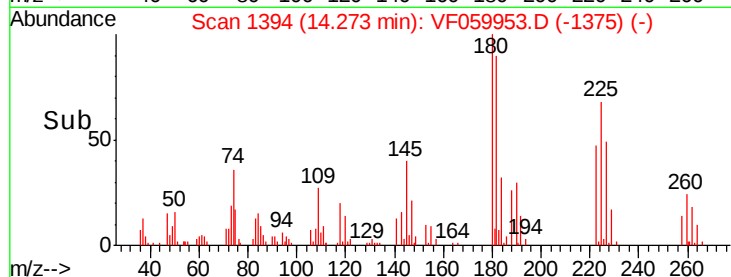
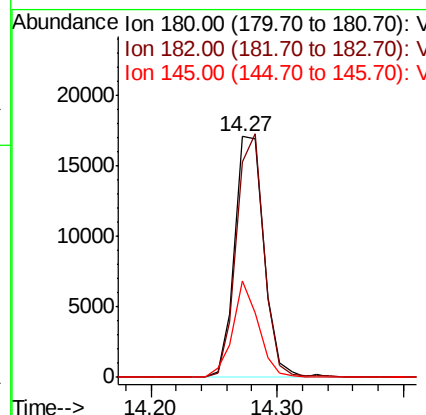
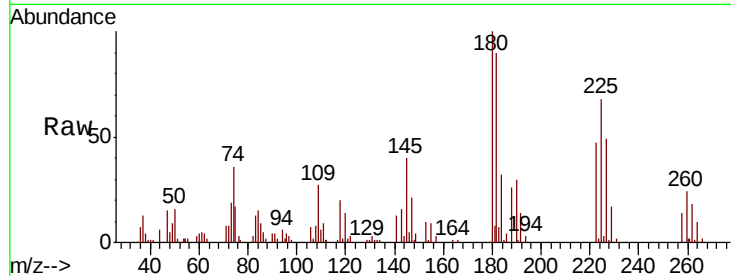
#93
 1,2,4-Trichlorobenzene
 Concen: 10.88 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: VF059953.D
 Acq: 14 Aug 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	27198		
182	89.8	50.2	150.7	
145	40.2	14.9	44.9	

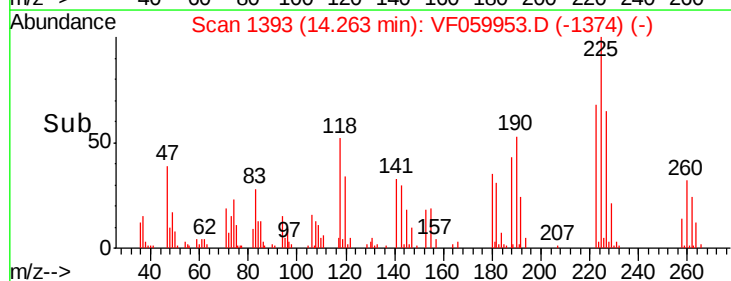
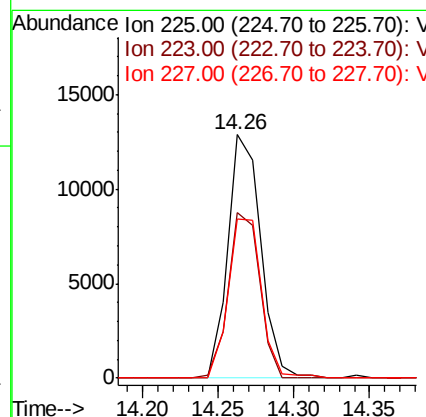
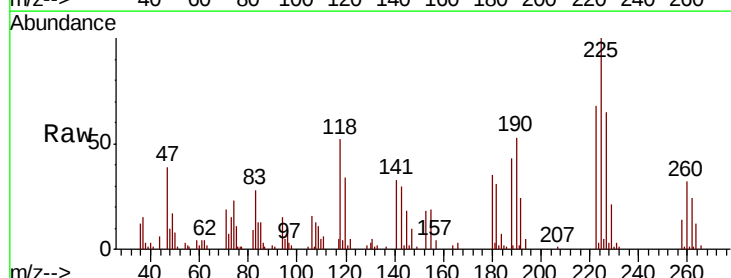
Manual Integrations
 APPROVED

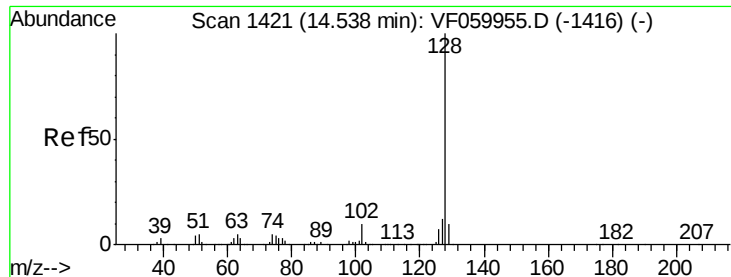
apatel
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#94
 Hexachlorobutadiene
 Concen: 11.00 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059953.D
 Acq: 14 Aug 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19459		
223	68.1	29.6	88.8	
227	65.3	32.5	97.5	





#95

Naphthalene

Concen: 8.70 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.01 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Instrument :

MSVOA_F

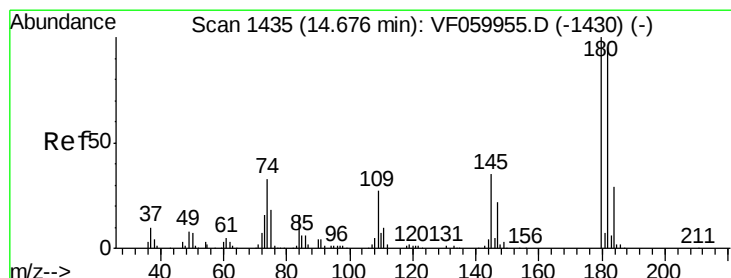
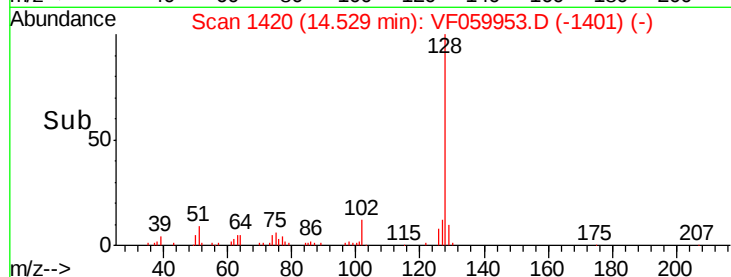
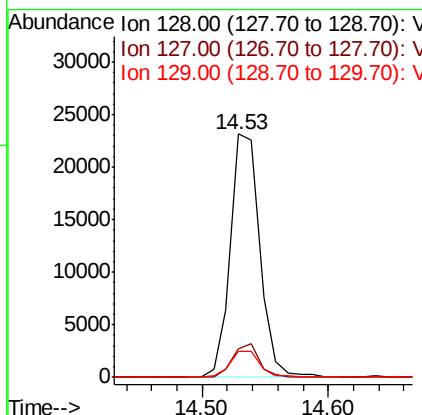
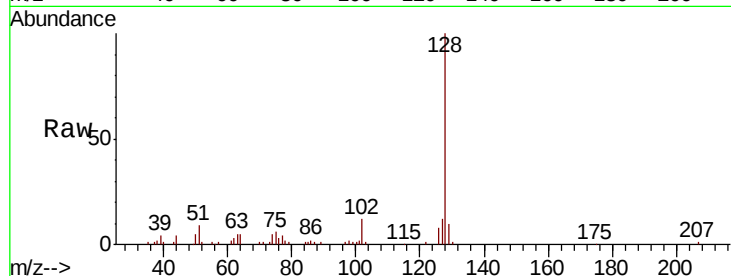
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	37222
Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.9	14.9
129	10.5	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 10.31 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VF059953.D

Acq: 14 Aug 2018 19:09

Tgt Ion:	180	Resp:	25212
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	33.8	17.6	52.8

