

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059978.D
 Acq On : 17 Aug 2018 17:37
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
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 8/20/2018 11:47:11 AM

Quant Time: Aug 17 23:54:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 23:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	129429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	181802	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	190314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	133108	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	27289	10.83	ug/l	0.01
Spiked Amount			Recovery	=	21.66%	
35) Dibromofluoromethane	4.31	113	19427	10.50	ug/l	0.00
Spiked Amount			Recovery	=	21.00%	
50) Toluene-d8	7.72	98	43198	10.53	ug/l	0.00
Spiked Amount			Recovery	=	21.06%	
62) 4-Bromofluorobenzene	11.51	95	26706	10.61	ug/l	0.00
Spiked Amount			Recovery	=	21.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	22992	10.49	ug/l	91
3) Chloromethane	1.07	50	12790	11.33	ug/l #	88
4) Vinyl Chloride	1.12	62	14517	11.21	ug/l	94
5) Bromomethane	1.32	94	13690	10.80	ug/l	96
6) Chloroethane	1.39	64	7126	10.53	ug/l	90
7) Trichlorofluoromethane	1.49	101	43032	12.29	ug/l	96
8) Diethyl Ether	1.70	74	6084	10.87	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.86	101	18100	10.30	ug/l	95
10) Methyl Iodide	1.93	142	24105	10.76	ug/l	99
11) Tert butyl alcohol	2.69	59	7677	49.44	ug/l	95
12) 1,1-Dichloroethene	1.83	96	12543	10.30	ug/l	84
13) Acrolein	2.09	56	3149	38.39	ug/l #	64
14) Allyl chloride	2.20	41	21736	10.52	ug/l	94
15) Acrylonitrile	3.08	53	9069	35.16	ug/l	90
16) Acetone	2.34	43	45404	56.00	ug/l	99
17) Carbon Disulfide	1.84	76	44405	11.46	ug/l	99
18) Methyl Acetate	2.46	43	14262	8.86	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	40499	9.85	ug/l	97
20) Methylene Chloride	2.29	84	21222	12.41	ug/l	98
21) trans-1,2-Dichloroethene	2.41	96	13670	10.53	ug/l	80
22) Diisopropyl ether	2.94	45	42629	9.56	ug/l #	95
23) Vinyl Acetate	3.34	43	83757	45.83	ug/l	98
24) 1,1-Dichloroethane	3.00	63	27494	9.36	ug/l #	96
25) 2-Butanone	4.51	43	30786	48.54	ug/l	96
26) 2,2-Dichloropropane	3.77	77	26082	10.18	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	12283	10.38	ug/l	94
28) Bromochloromethane	3.90	49	9610	11.48	ug/l	97
29) Tetrahydrofuran	4.27	42	10949	48.34	ug/l	98
30) Chloroform	4.04	83	35424	10.59	ug/l	98
31) Cyclohexane	3.86	56	13131	9.95	ug/l	93
32) 1,1,1-Trichloroethane	4.29	97	33765	10.36	ug/l	98
36) 1,1-Dichloropropene	4.47	75	21576	10.52	ug/l	94
37) Ethyl Acetate	4.30	43	11307	9.35	ug/l	87
38) Carbon Tetrachloride	4.17	117	30200	10.25	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	16629	10.70	ug/l	96
40) Benzene	4.82	78	34163	9.79	ug/l	97
41) Methacrylonitrile	4.94	41	5588	9.75	ug/l #	71
42) 1,2-Dichloroethane	5.12	62	31120	10.29	ug/l	98
43) Isopropyl Acetate	7.12	43	10746	8.15	ug/l #	87
44) Trichloroethene	5.68	130	14665	10.76	ug/l	93
45) 1,2-Dichloropropane	6.42	63	10606	10.65	ug/l	90
46) Dibromomethane	6.26	93	9537	9.45	ug/l	97
47) Bromodichloromethane	6.55	83	27054	10.15	ug/l	91
48) Methyl methacrylate	6.88	41	8419	8.57	ug/l	93
49) 1,4-Dioxane	6.89	88	1326	168.53	ug/l #	75
51) 4-Methyl-2-Pentanone	8.42	43	59729	48.51	ug/l	97
52) Toluene	7.79	92	26931	10.24	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	22339	9.87	ug/l	92
54) cis-1,3-Dichloropropene	7.46	75	20650	9.46	ug/l #	92
55) 1,1,2-Trichloroethane	8.64	97	9788	9.08	ug/l	96
56) Ethyl methacrylate	8.77	69	12482	9.94	ug/l	87
57) 1,3-Dichloropropane	9.01	76	18244	9.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.79	63	7015	67.95	ug/l	100
59) 2-Hexanone	9.64	43	50916	49.77	ug/l	95
60) Dibromochloromethane	8.87	129	18874	9.67	ug/l	95
61) 1,2-Dibromoethane	9.15	107	12826	9.43	ug/l	97
64) Tetrachloroethene	8.32	164	14729	10.31	ug/l	87
65) Chlorobenzene	9.94	112	37982	10.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	18360	10.76	ug/l	92
67) Ethyl Benzene	10.04	91	70121	10.52	ug/l	99
68) m/p-Xylenes	10.28	106	49154	21.19	ug/l	84
69) o-Xylene	10.83	106	24306	10.19	ug/l	95
70) Styrene	10.91	104	38490	10.13	ug/l	98
71) Bromoform	10.89	173	12898	10.04	ug/l	89
73) Isopropylbenzene	11.24	105	82277	10.34	ug/l	97
74) N-amyl acetate	11.47	43	19984	8.49	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	15407	9.49	ug/l	90
76) 1,2,3-Trichloropropane	11.89	75	14161	9.76	ug/l	96
77) Bromobenzene	11.60	156	23193	10.33	ug/l	97
78) n-propylbenzene	11.70	91	101029	10.22	ug/l	98
79) 2-Chlorotoluene	11.82	91	60870	10.05	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	71480	9.92	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.97	75	6592m	8.81	ug/l	
82) 4-Chlorotoluene	11.99	91	69079	10.48	ug/l	96
83) tert-Butylbenzene	12.22	119	73575	10.33	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	77569	10.25	ug/l	96
85) sec-Butylbenzene	12.40	105	98192	10.54	ug/l	98
86) p-Isopropyltoluene	12.55	119	86922	10.55	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	46077	10.85	ug/l	95
88) 1,4-Dichlorobenzene	12.66	146	43625	10.49	ug/l	98
89) n-Butylbenzene	12.92	91	82460	10.35	ug/l	96
90) Hexachloroethane	13.00	117	17580	9.48	ug/l	96
91) 1,2-Dichlorobenzene	13.03	146	41444	10.14	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	3915	8.55	ug/l	79

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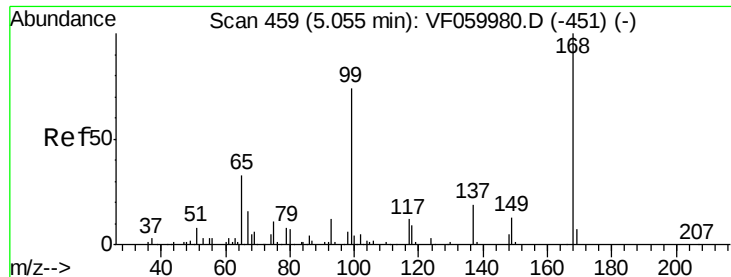
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	34775	10.49	ug/l	99
94) Hexachlorobutadiene	14.26	225	23256	10.63	ug/l	93
95) Naphthalene	14.53	128	44860	9.31	ug/l	97
96) 1,2,3-Trichlorobenzene	14.68	180	32702	10.21	ug/l	94

(#) = 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: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 129429

Ion Ratio Lower Upper

168 100

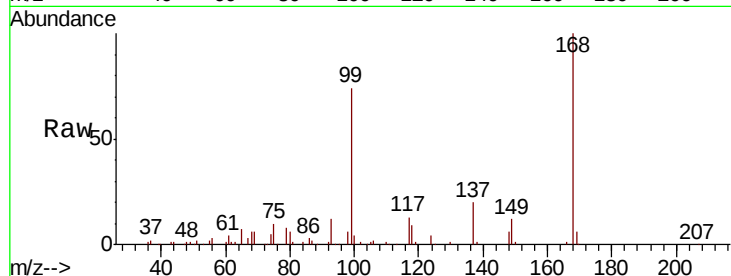
99 74.0 59.0 88.6

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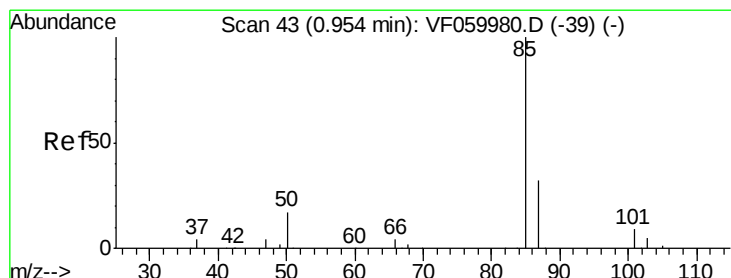
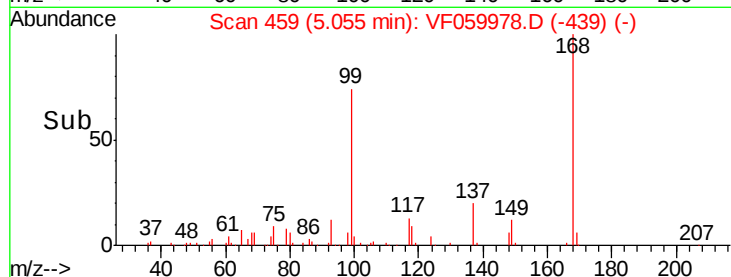


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

Time-->



#2

Dichlorodifluoromethane

Concen: 10.49 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.01 min

Lab File: VF059978.D

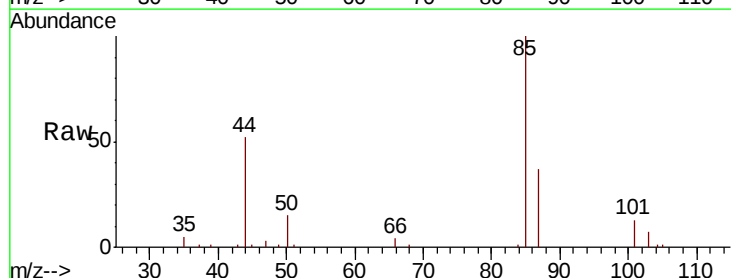
Acq: 17 Aug 2018 17:37

Tgt Ion: 85 Resp: 22992

Ion Ratio Lower Upper

85 100

87 36.7 15.9 47.7

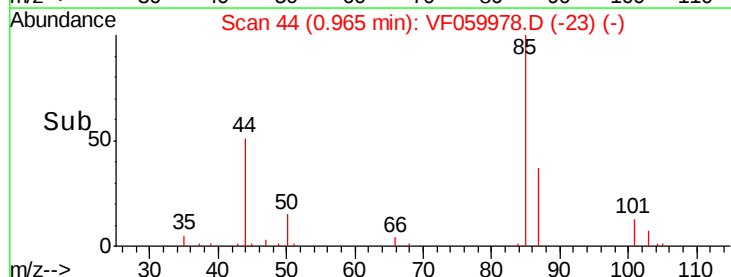


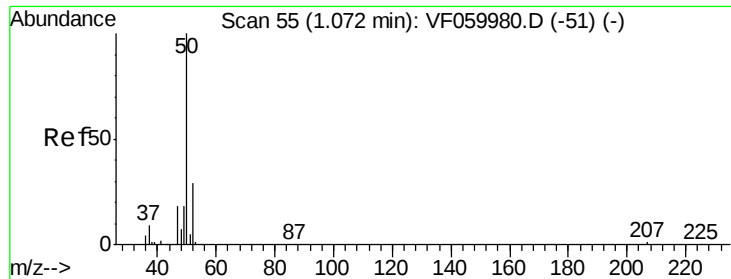
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

Time-->





#3

Chloromethane

Concen: 11.33 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 12790

Ion Ratio Lower Upper

50 100

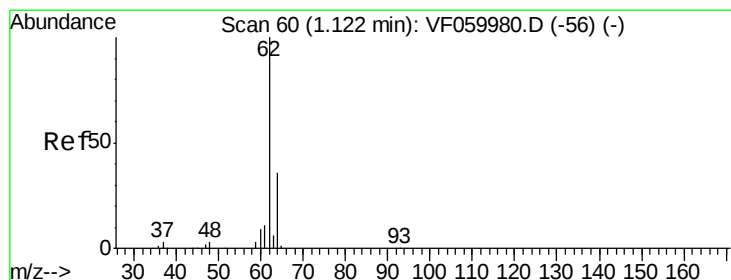
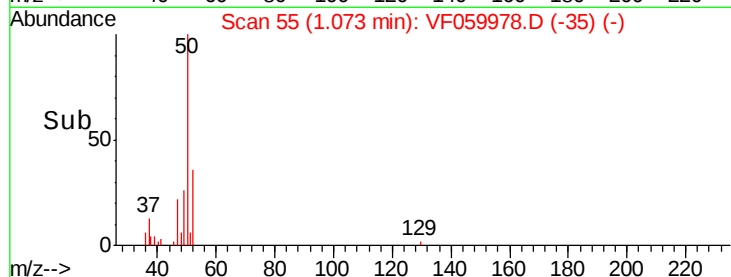
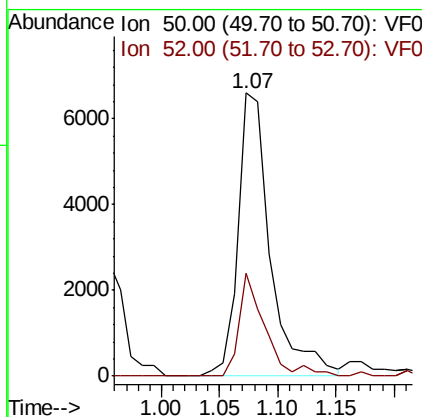
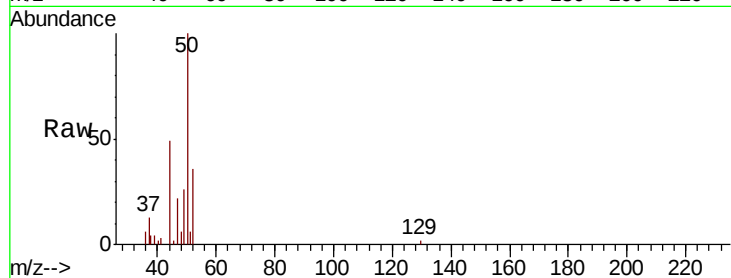
52 36.2 23.6 35.4#

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#4

Vinyl Chloride

Concen: 11.21 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF059978.D

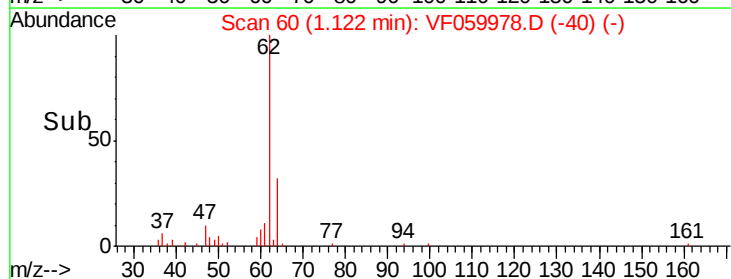
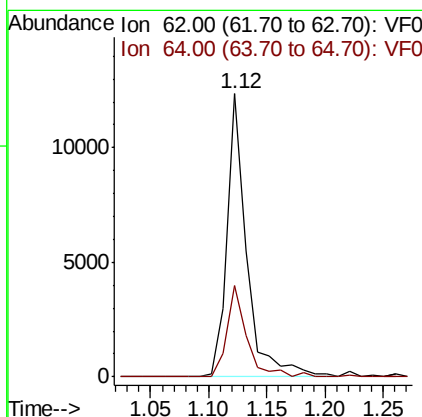
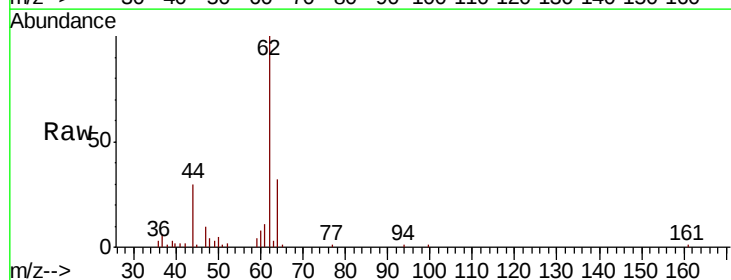
Acq: 17 Aug 2018 17:37

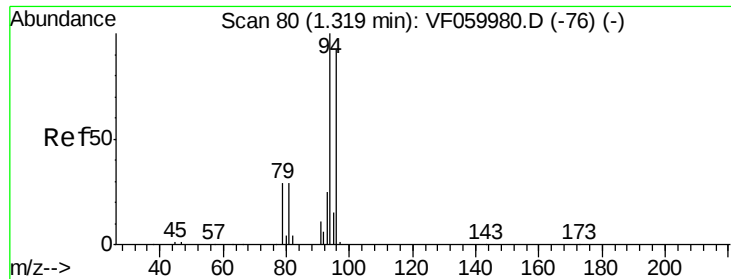
Tgt Ion: 62 Resp: 14517

Ion Ratio Lower Upper

62 100

64 32.5 28.7 43.1





#5

Bromomethane

Concen: 10.80 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 13690

Ion Ratio Lower Upper

94 100

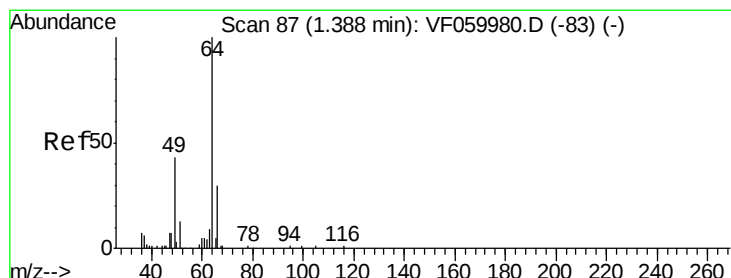
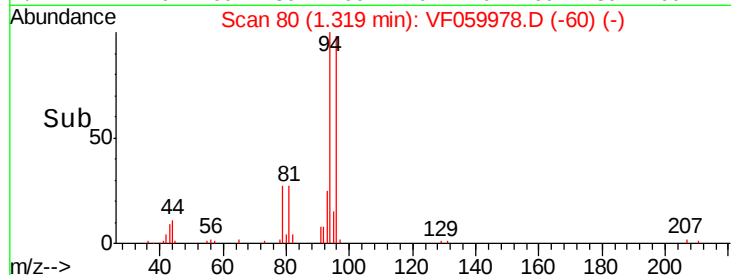
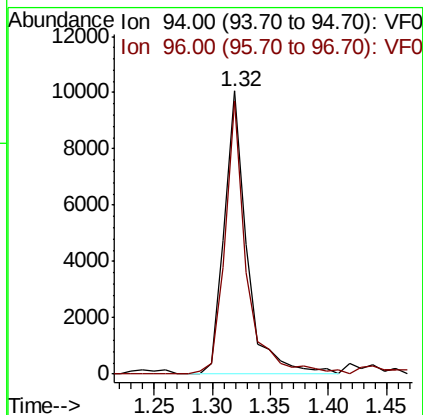
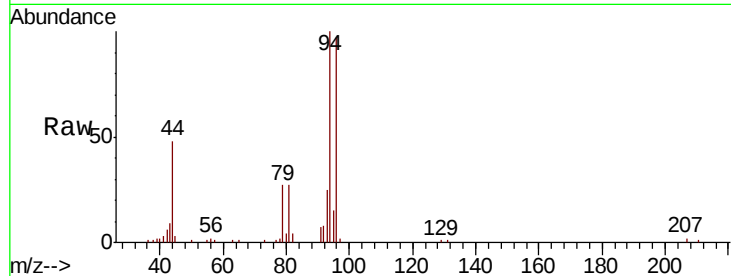
96 96.7 73.9 110.9

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#6

Chloroethane

Concen: 10.53 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF059978.D

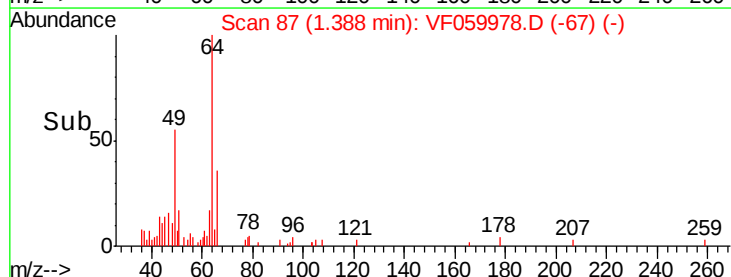
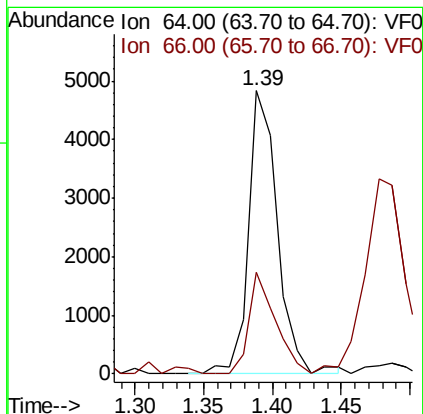
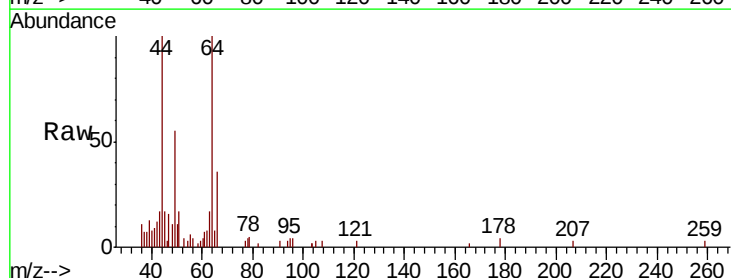
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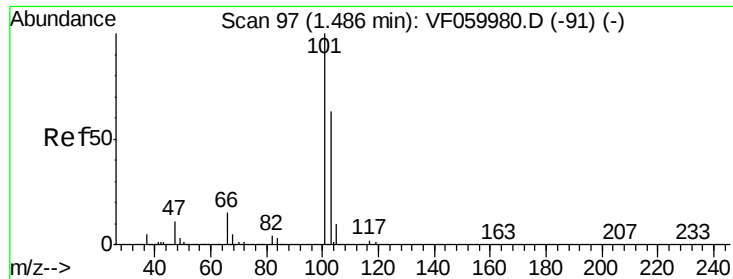
Tgt Ion: 64 Resp: 7126

Ion Ratio Lower Upper

64 100

66 35.9 24.4 36.6





#7

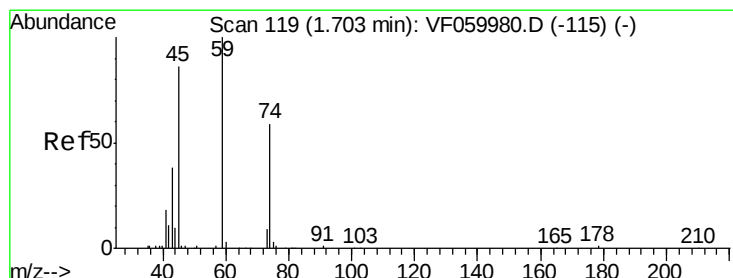
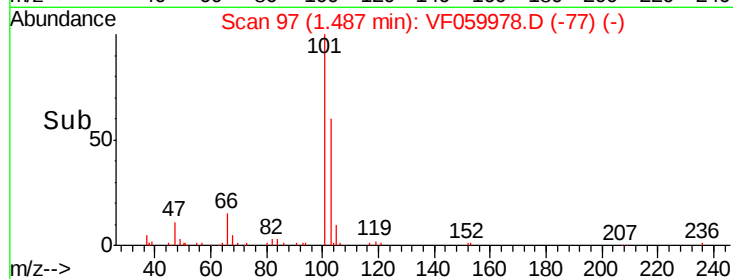
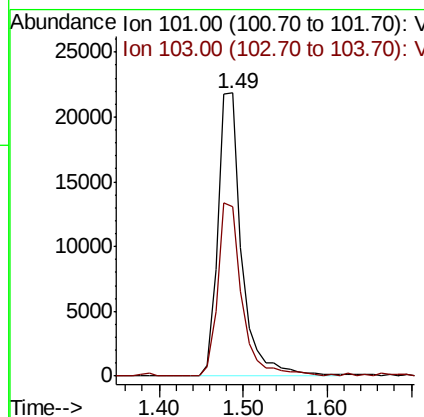
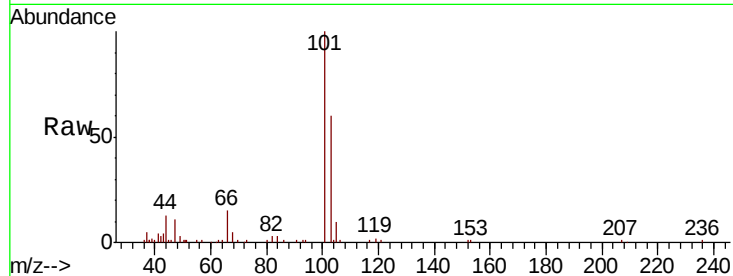
Trichlorofluoromethane
 Concen: 12.29 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.0	50.8	76.2

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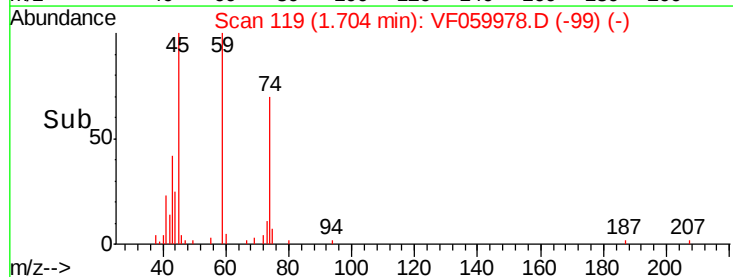
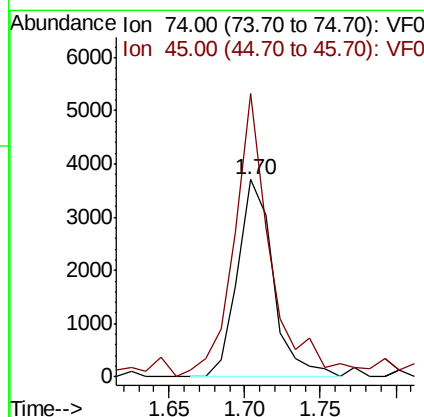
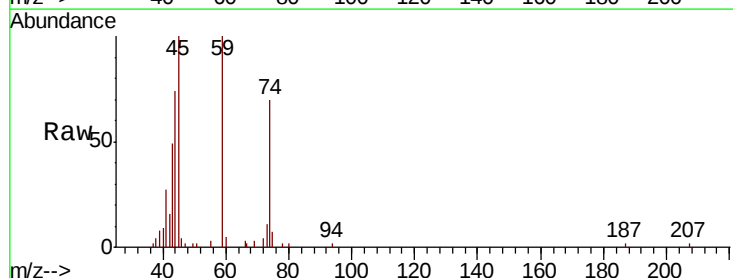
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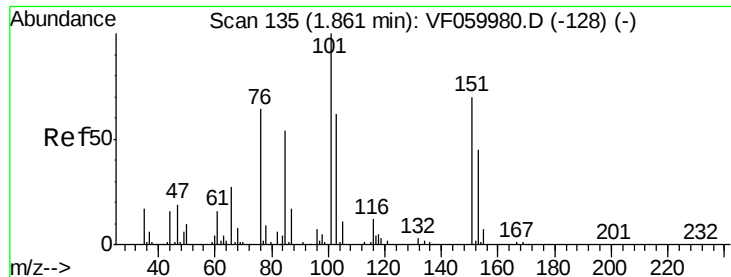


#8

Diethyl Ether
 Concen: 10.87 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	143.5	73.5	220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.30 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

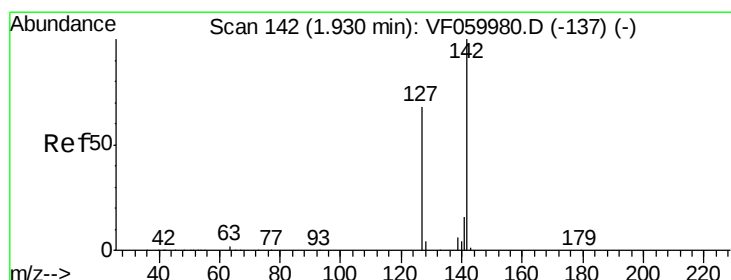
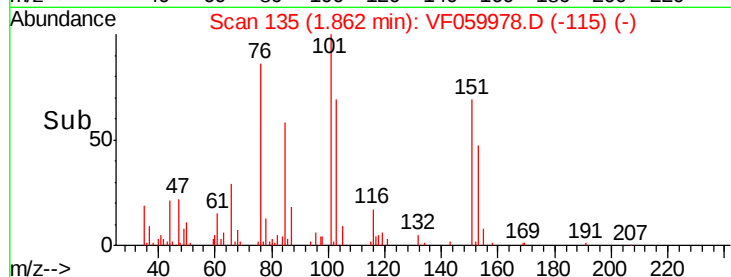
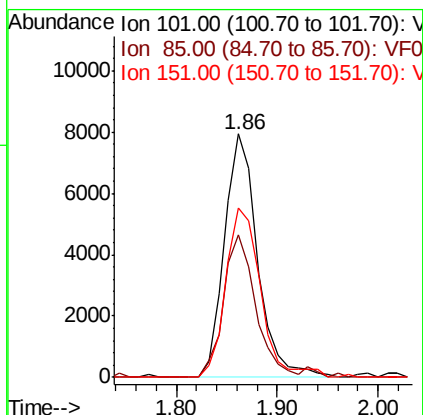
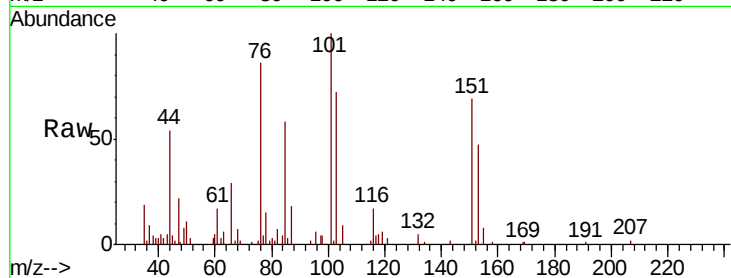
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	18100
Ion Ratio	Lower	Upper	
101	100		
85	61.1	43.0	64.6
151	69.4	56.2	84.2

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#10

Methyl Iodide

Concen: 10.76 ug/l

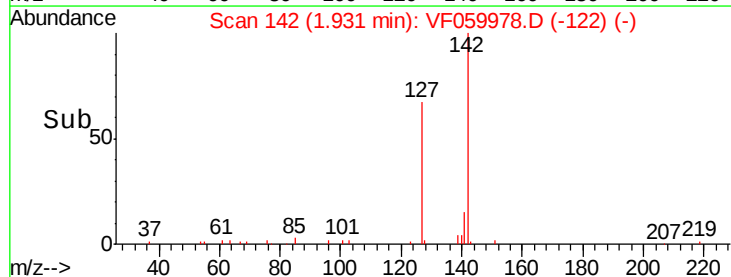
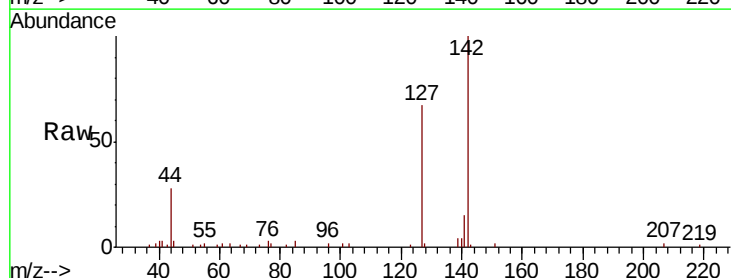
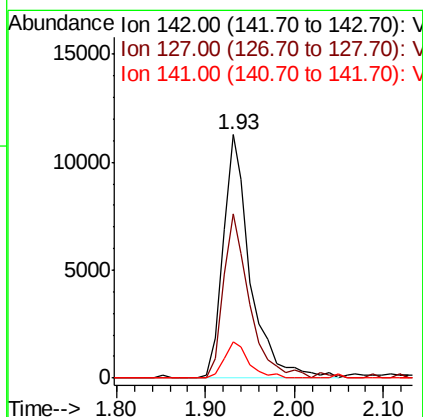
RT: 1.93 min Scan# 142

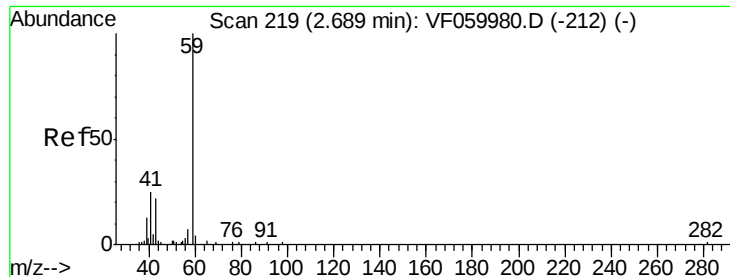
Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tgt Ion:	142	Resp:	24105
Ion Ratio	Lower	Upper	
142	100		
127	67.2	54.1	81.1
141	14.9	12.5	18.7





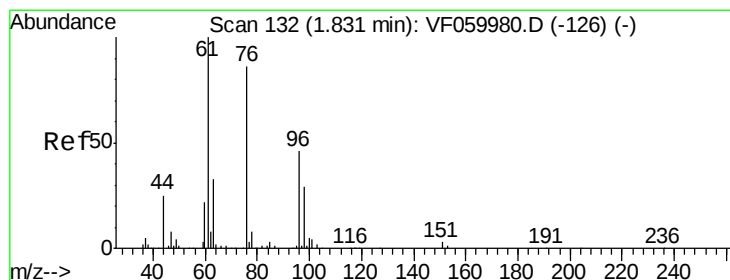
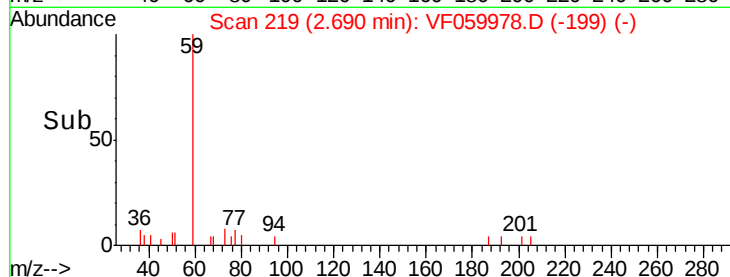
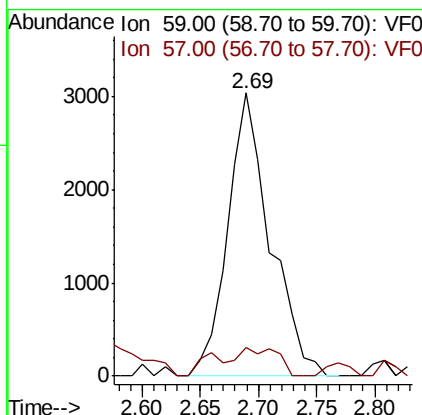
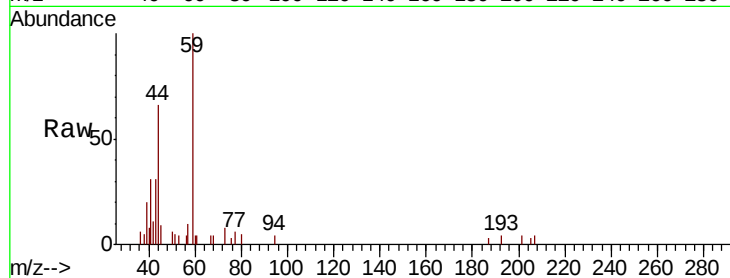
#11
Tert butyl alcohol
Concen: 49.44 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	6.8	10.2

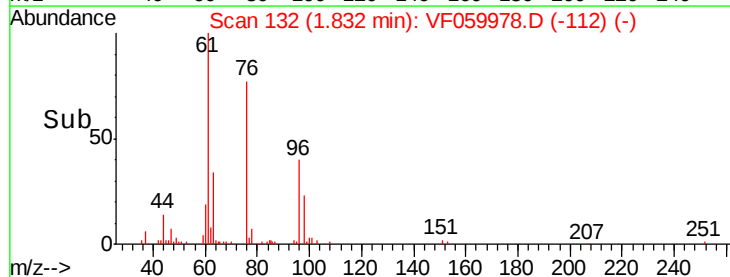
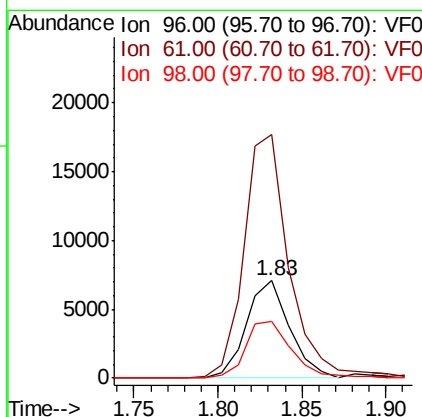
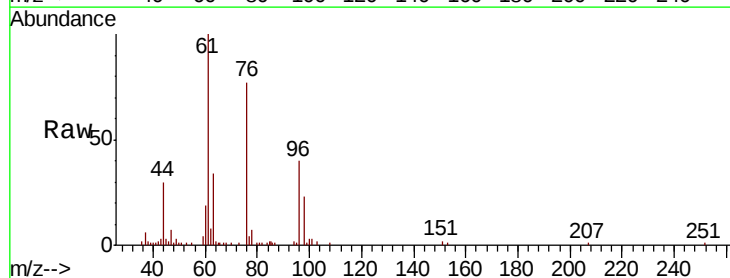
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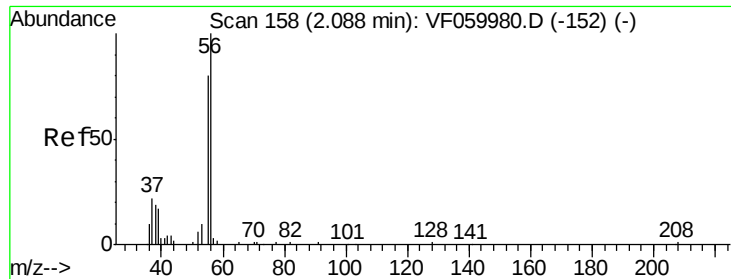
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#12
1,1-Dichloroethene
Concen: 10.30 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	250.2	175.6	263.4
98	58.7	50.6	75.8





#13

Acrolein

Concen: 38.39 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 3149

Ion Ratio Lower Upper

56 100

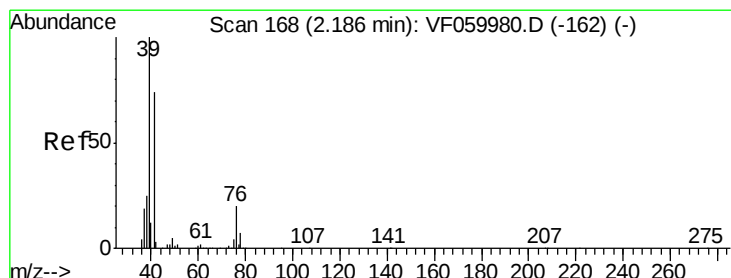
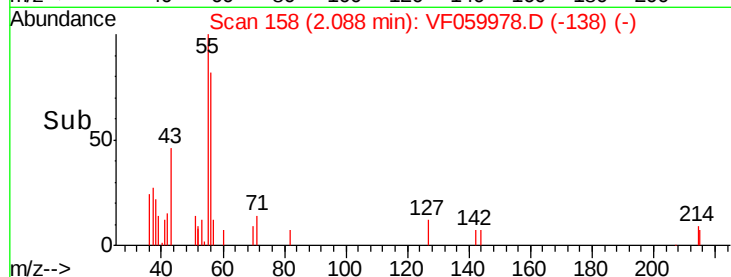
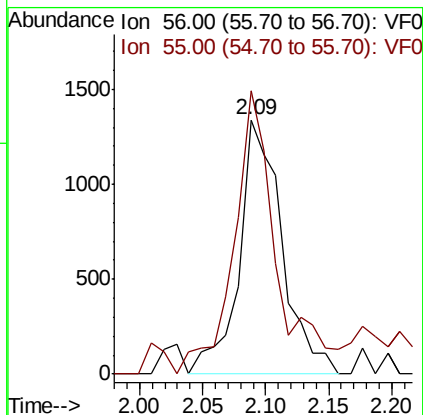
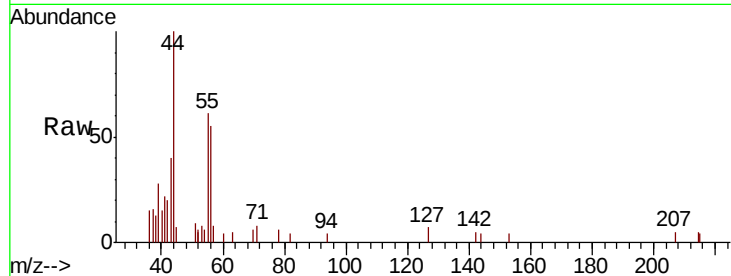
55 111.4 63.8 95.6#

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#14

Allyl chloride

Concen: 10.52 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

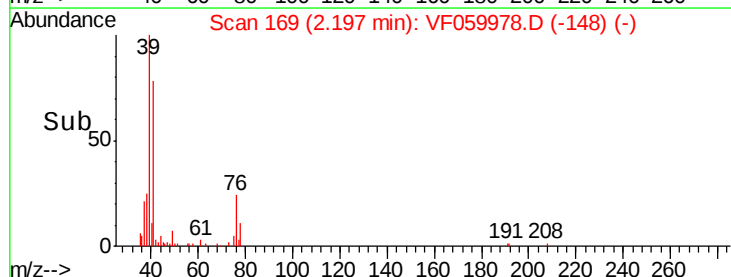
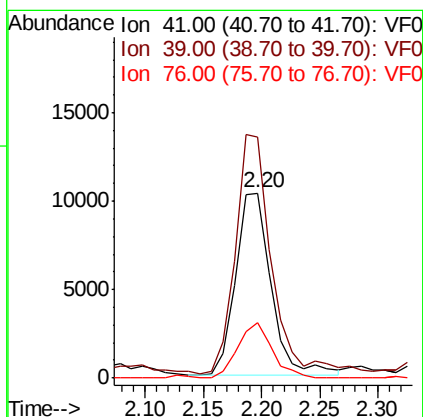
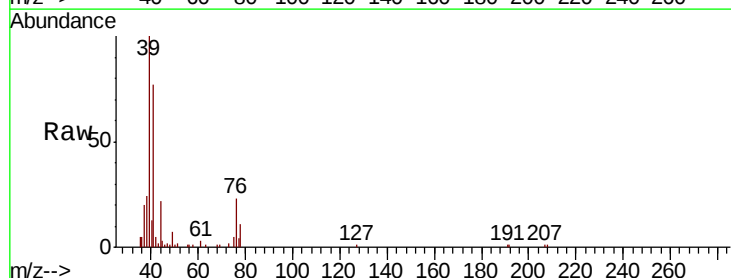
Tgt Ion: 41 Resp: 21736

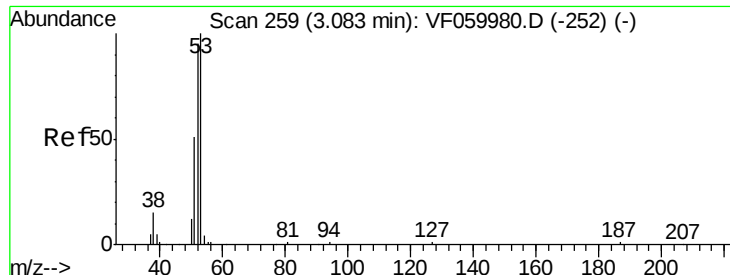
Ion Ratio Lower Upper

41 100

39 130.0 109.3 163.9

76 29.9 21.3 31.9





#15

Acrylonitrile

Concen: 35.16 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

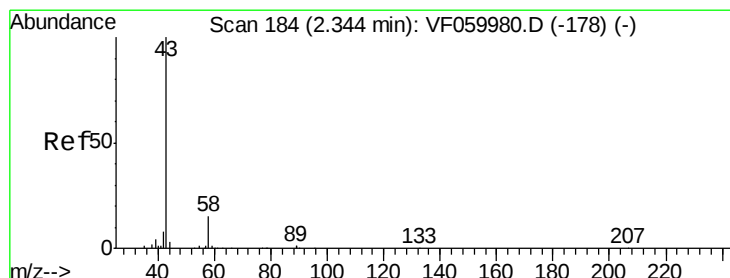
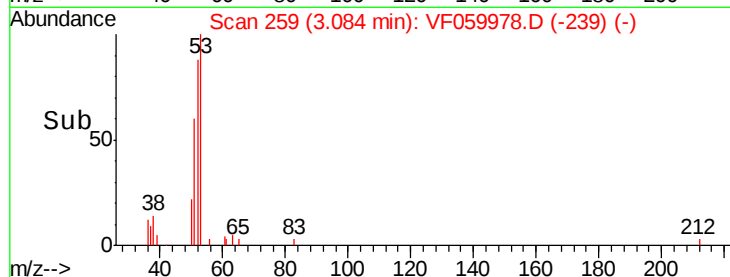
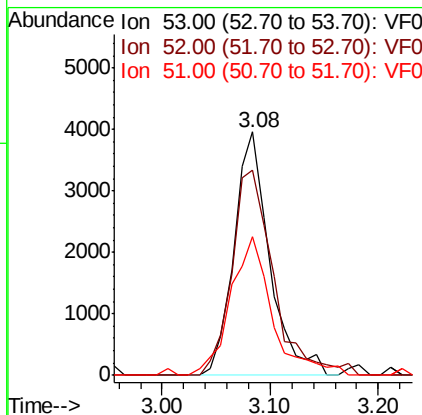
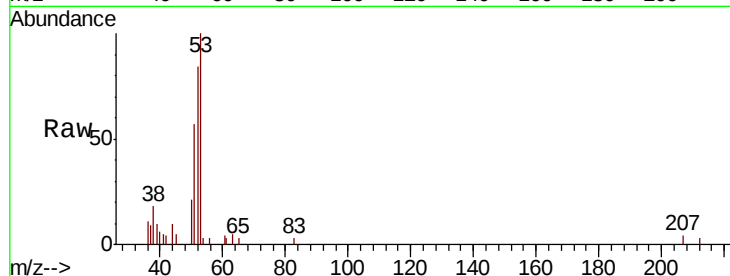
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	9069
Ion	Ratio	Lower	Upper
53	100		
52	84.1	76.0	114.0
51	57.2	41.9	62.9

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#16

Acetone

Concen: 56.00 ug/l

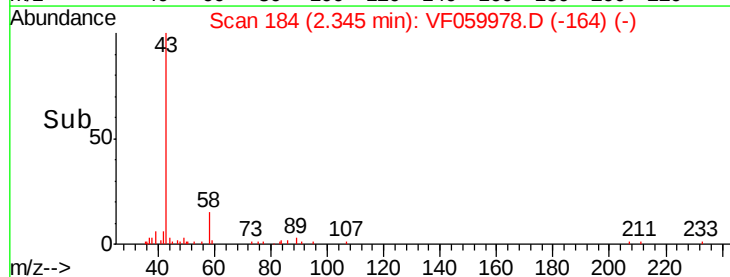
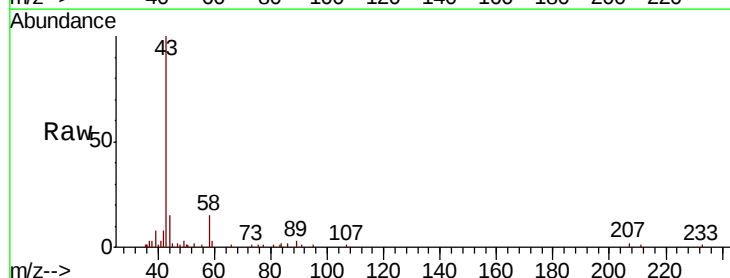
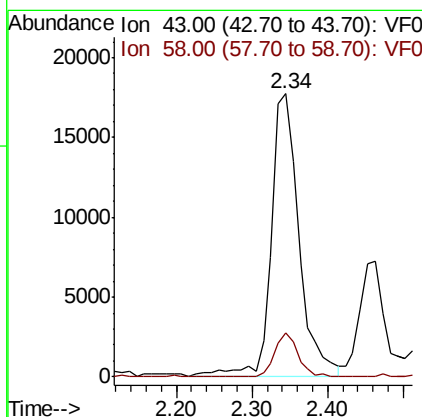
RT: 2.34 min Scan# 184

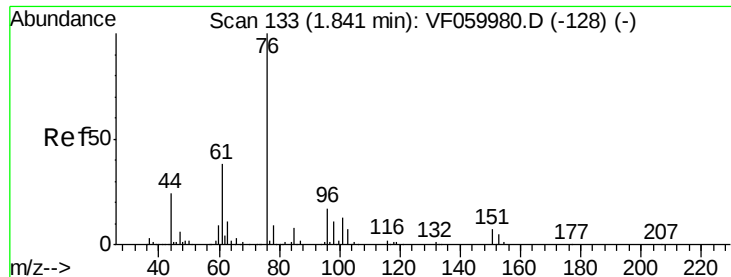
Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tgt Ion:	43	Resp:	45404
Ion	Ratio	Lower	Upper
43	100		
58	15.4	11.9	17.9





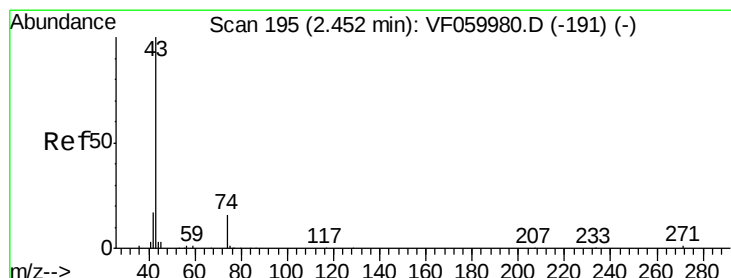
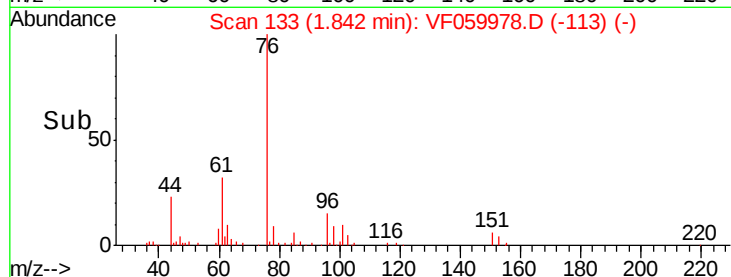
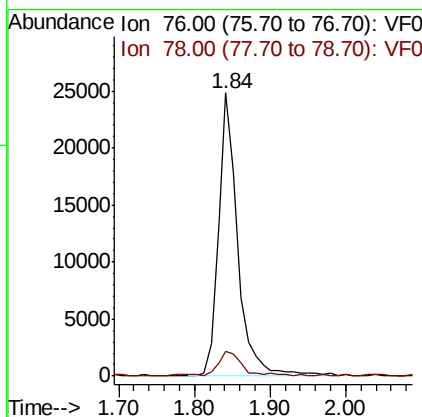
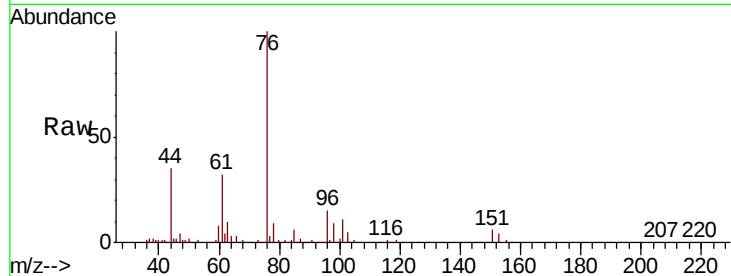
#17
Carbon Disulfide
Concen: 11.46 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

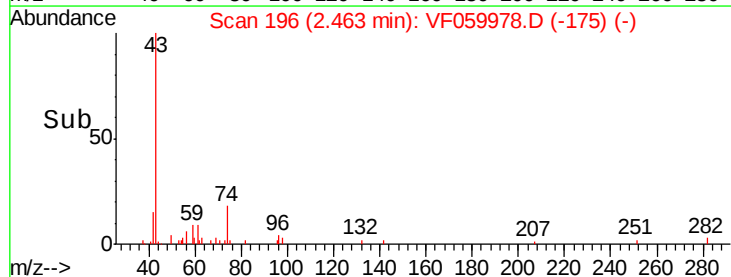
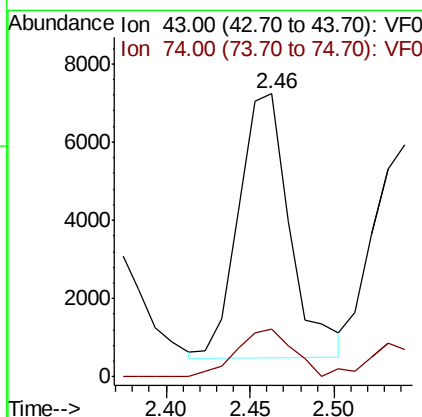
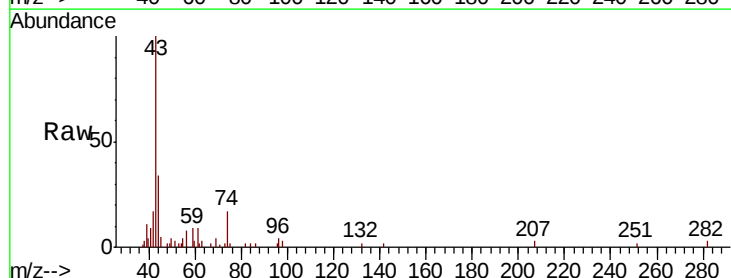
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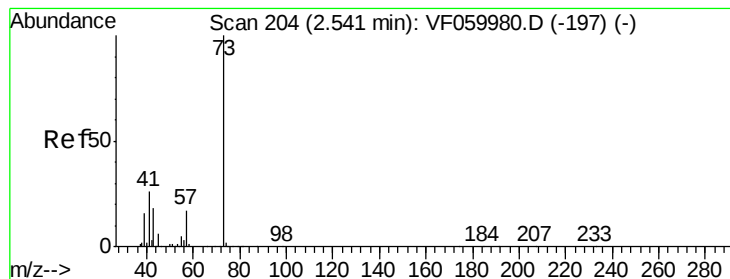
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#18
Methyl Acetate
Concen: 8.86 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.1	12.3	18.5





#19

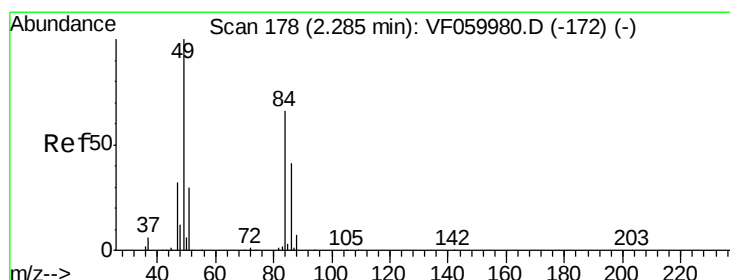
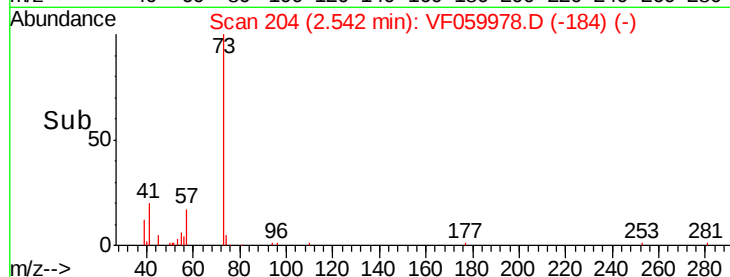
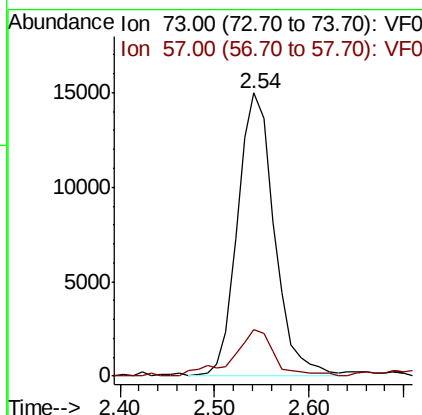
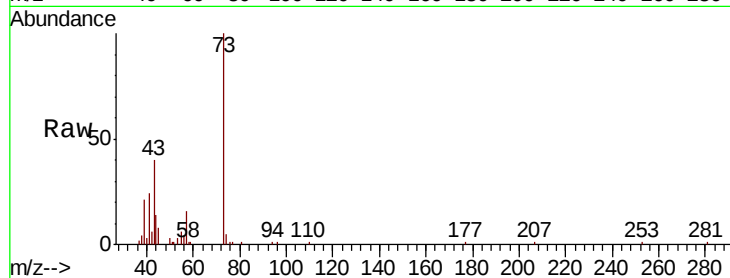
Methyl tert-butyl Ether
 Concen: 9.85 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.4	14.2	21.2

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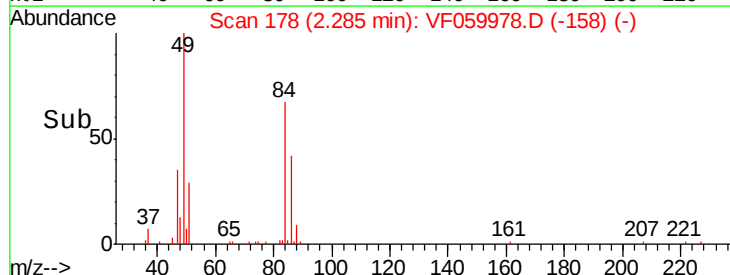
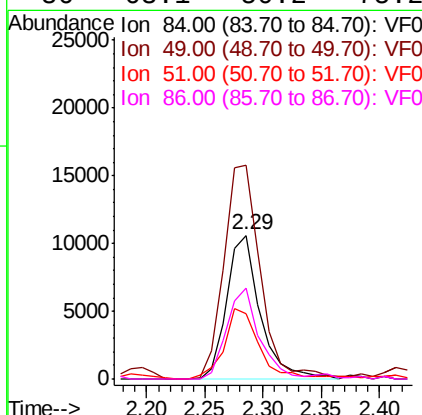
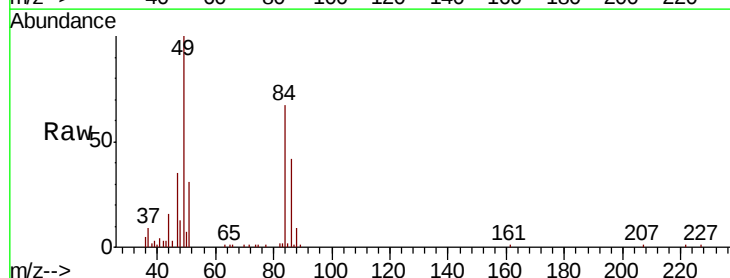
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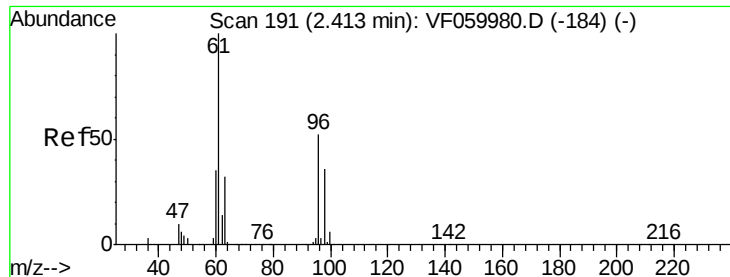


#20

Methylene Chloride
 Concen: 12.41 ug/l
 RT: 2.29 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.0	122.5	183.7
51	45.6	37.1	55.7
86	63.1	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 10.53 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

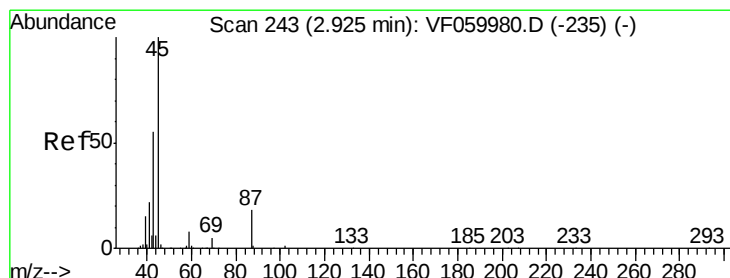
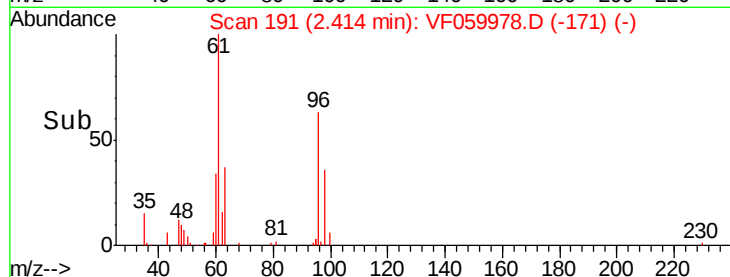
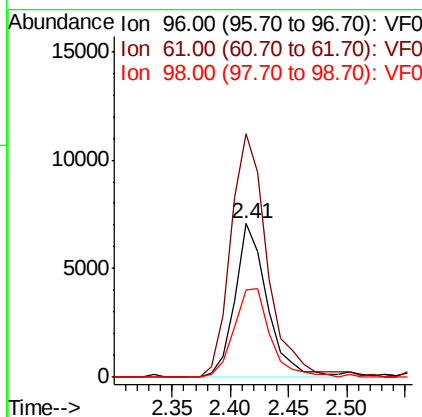
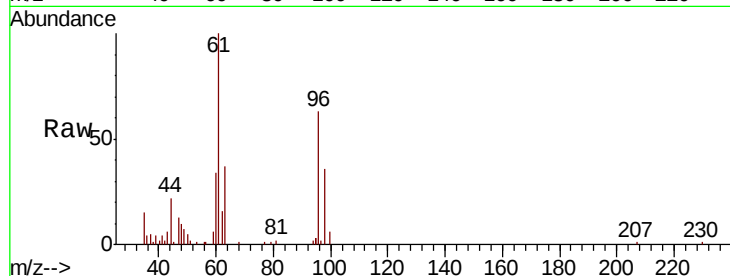
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	13670
Ion	Ratio	Lower	Upper
96	100		
61	158.5	153.0	229.4
98	57.0	55.5	83.3

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#22

Diisopropyl ether

Concen: 9.56 ug/l

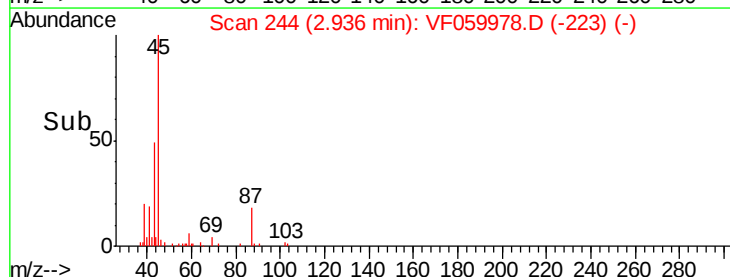
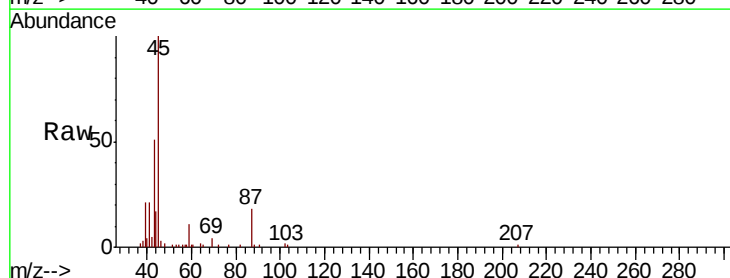
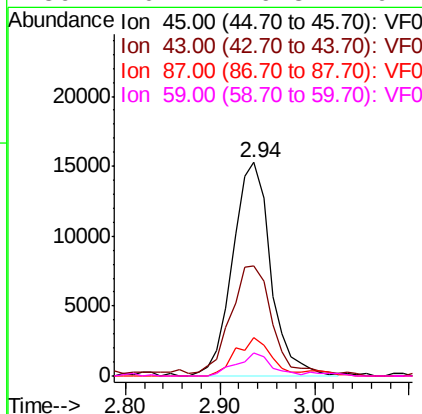
RT: 2.94 min Scan# 244

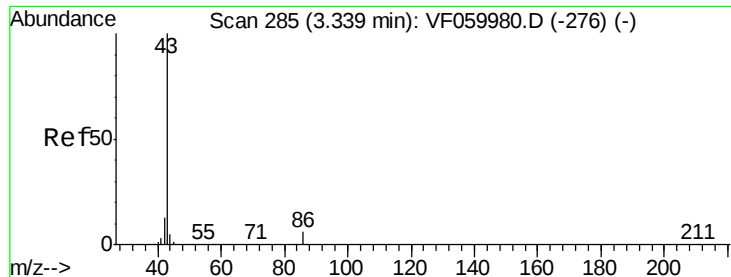
Delta R.T. 0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tgt Ion:	45	Resp:	42629
Ion	Ratio	Lower	Upper
45	100		
43	51.4	44.8	67.2
87	18.0	14.6	21.8
59	10.7	6.8	10.2#





#23

Vinyl Acetate

Concen: 45.83 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

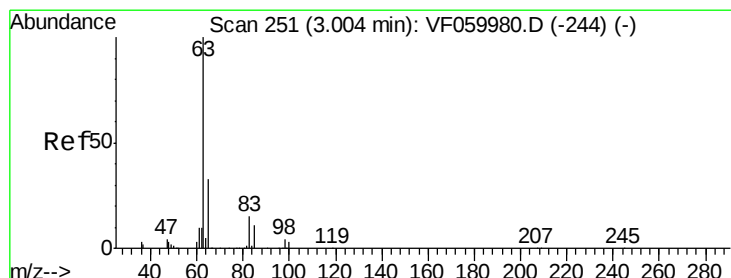
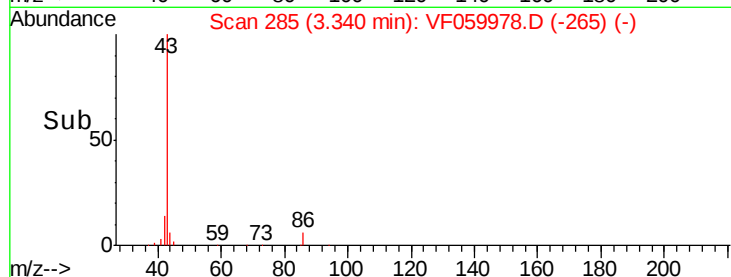
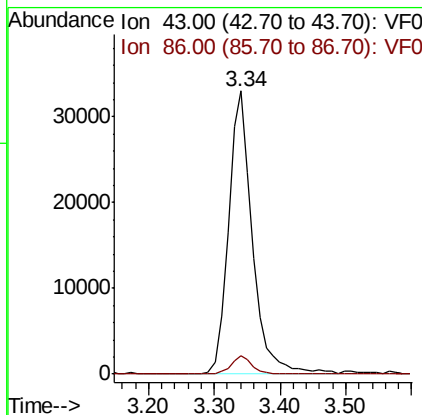
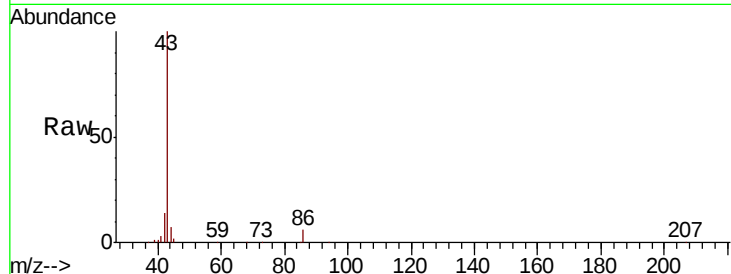
ClientSampleId :

VSTDIC010

Tot Ion	43	Resp	83757
Ion Ratio	Lower	Upper	
43	100		
86	6.3	4.4	6.6

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#24

1,1-Dichloroethane

Concen: 9.36 ug/l

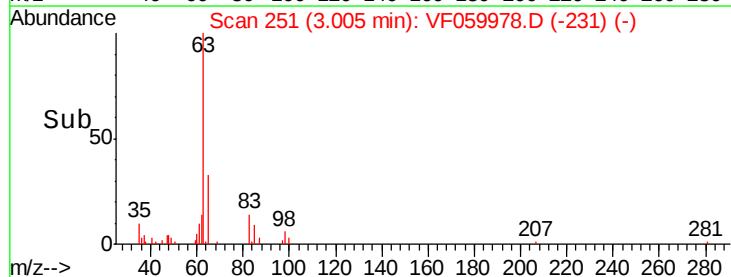
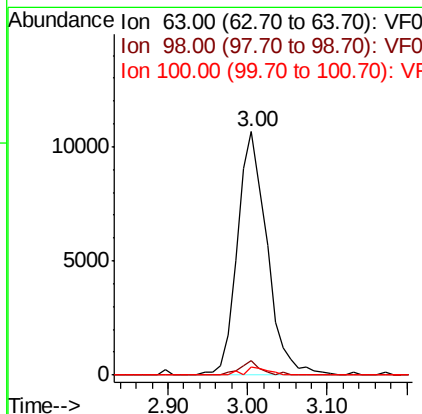
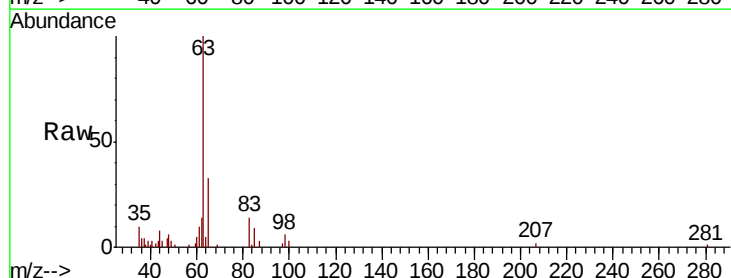
RT: 3.00 min Scan# 251

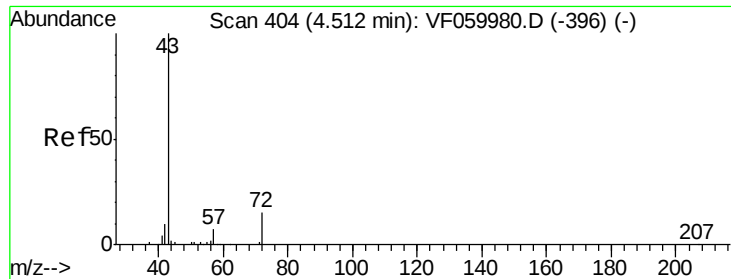
Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tgt Ion	63	Resp	27494
Ion Ratio	Lower	Upper	
63	100		
98	5.9	2.0	5.8#
100	3.2	1.4	4.2





#25

2-Butanone

Concen: 48.54 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tot Ion: 43 Resp: 30786

Ion Ratio Lower Upper

43 100

72 17.3 12.5 18.7

Instrument :

MSVOA_F

ClientSampleId :

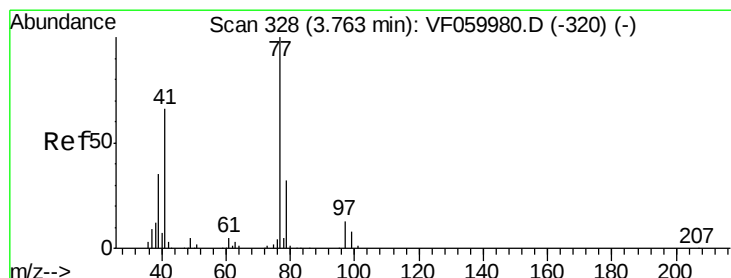
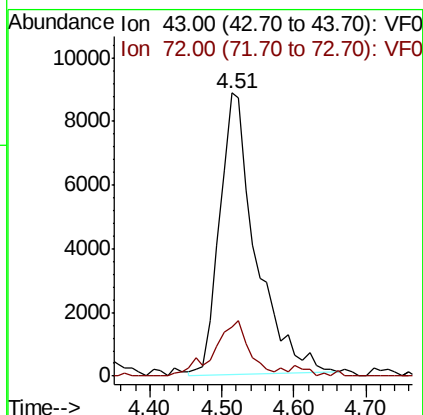
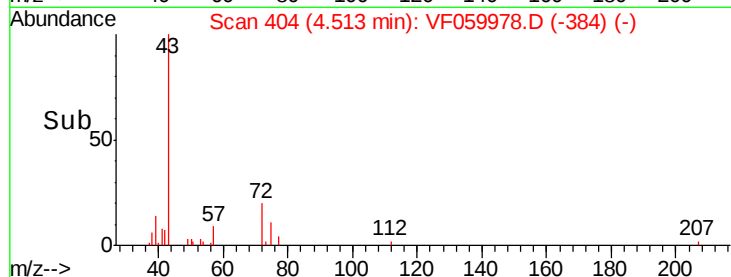
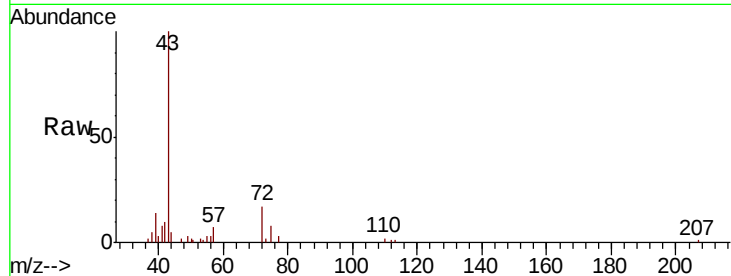
VSTDIC010

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#26

2,2-Dichloropropane

Concen: 10.18 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF059978.D

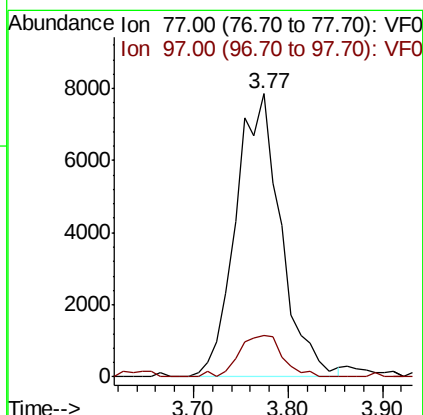
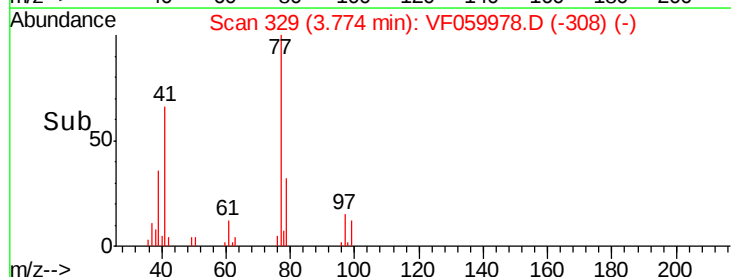
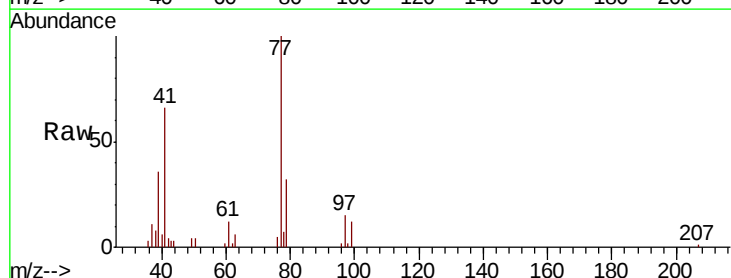
Acq: 17 Aug 2018 17:37

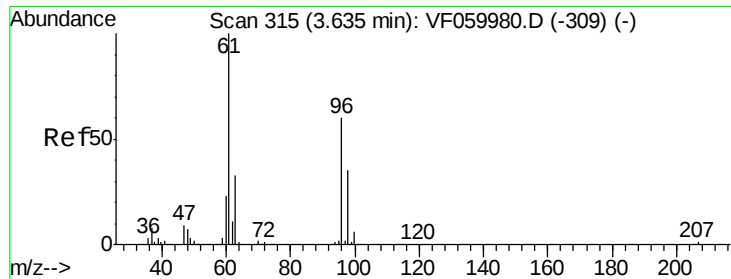
Tgt Ion: 77 Resp: 26082

Ion Ratio Lower Upper

77 100

97 14.7 6.7 20.0





#27

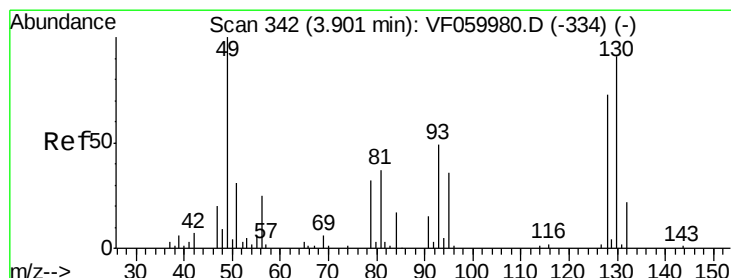
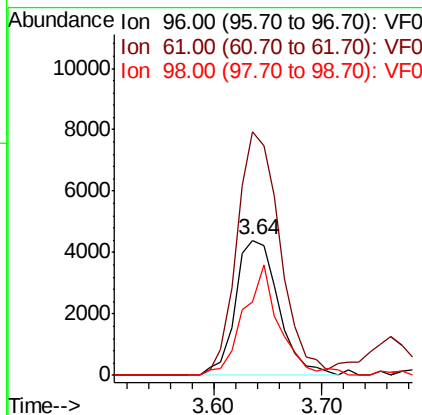
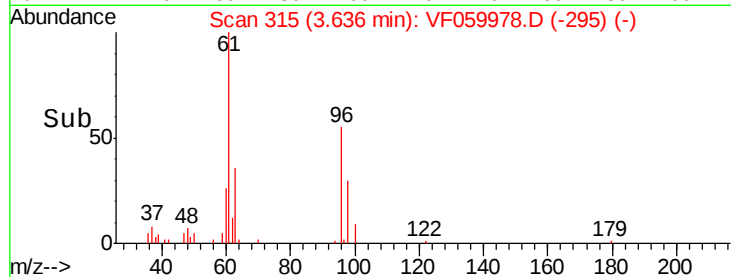
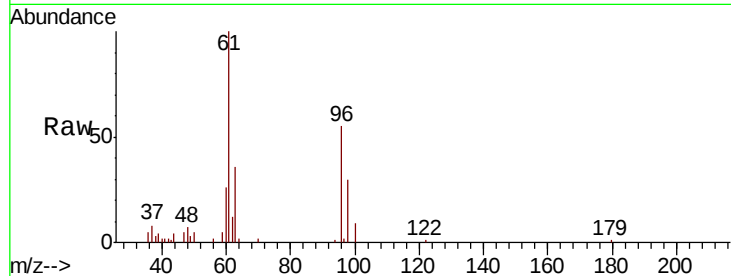
cis-1,2-Dichloroethene
 Concen: 10.38 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	12283		
61	174.8		0.0	335.0
98	53.0		0.0	117.2

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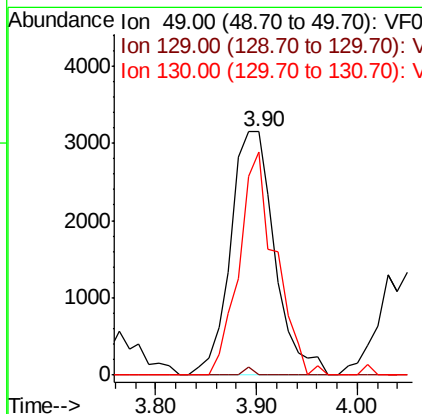
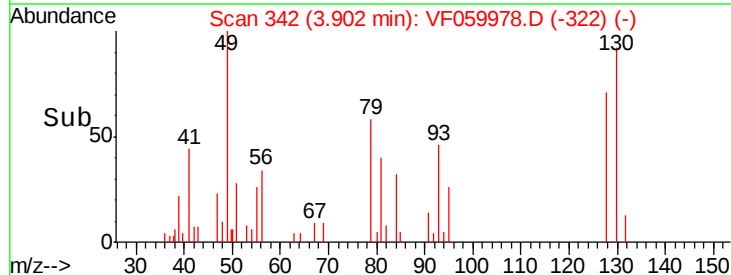
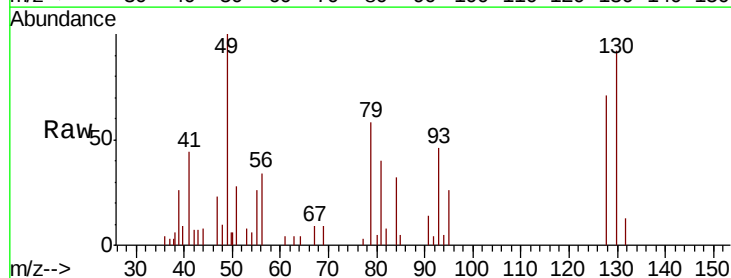
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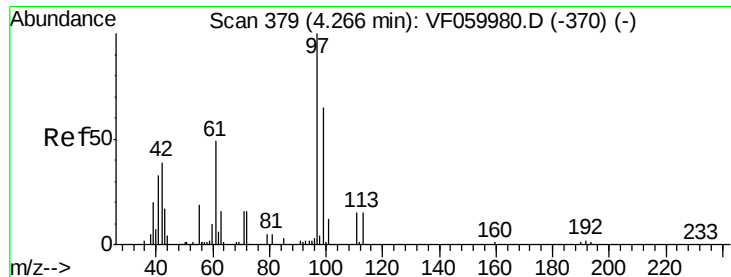


#28

Bromochloromethane
 Concen: 11.48 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	9610		
129	0.0		0.0	7.6
130	91.7		71.3	106.9





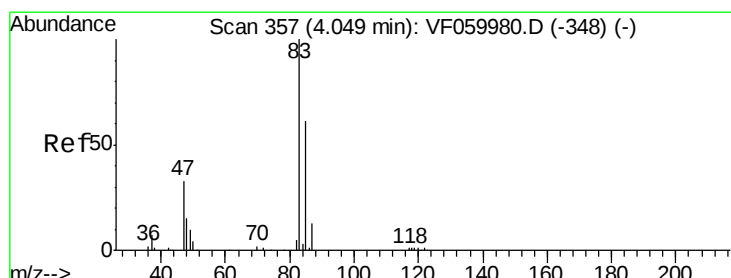
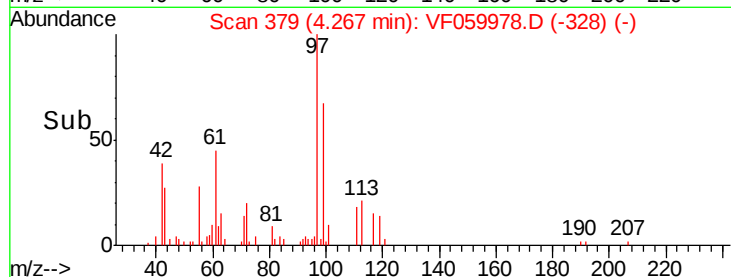
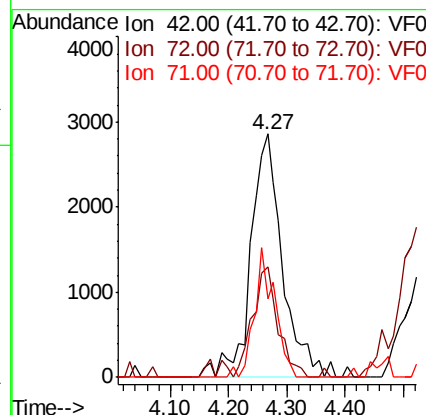
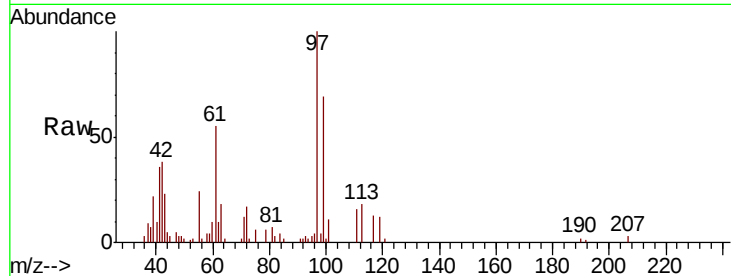
#29
Tetrahydrofuran
Concen: 48.34 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	29.8	44.6
71	34.1	29.0	43.4

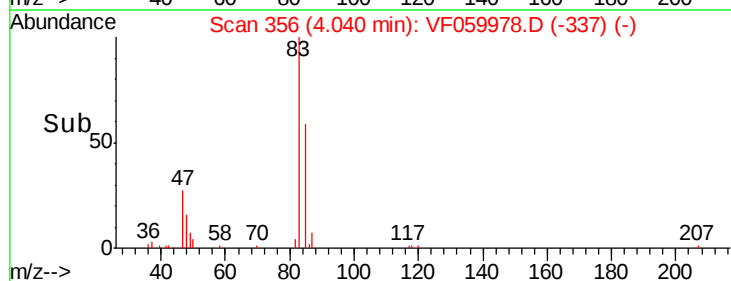
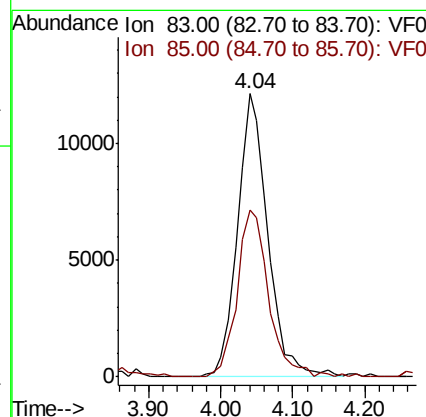
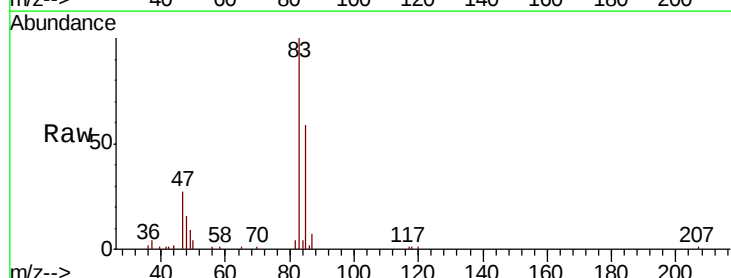
Manual Integrations
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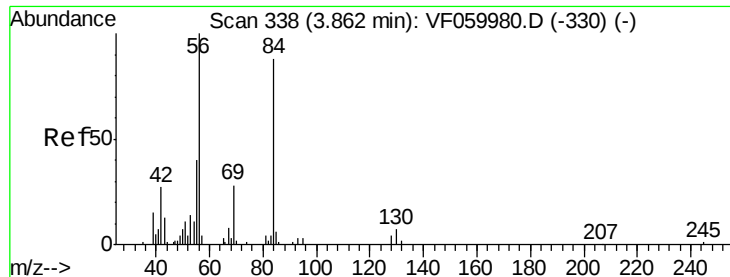
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#30
Chloroform
Concen: 10.59 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.1	48.8	73.2





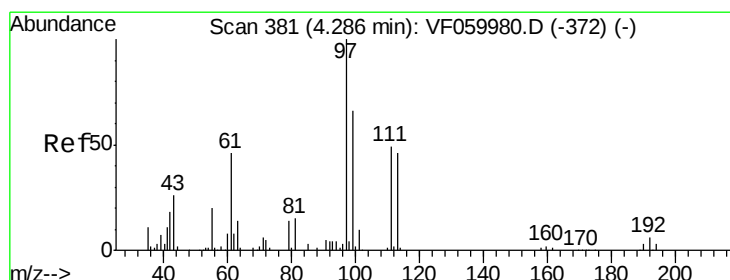
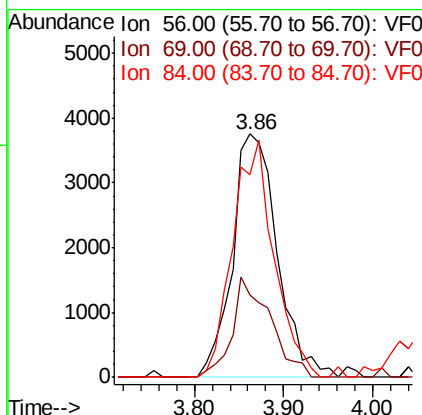
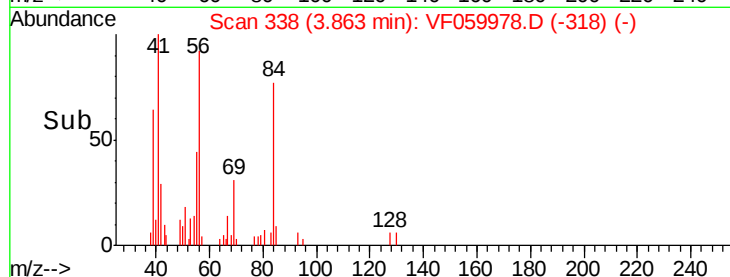
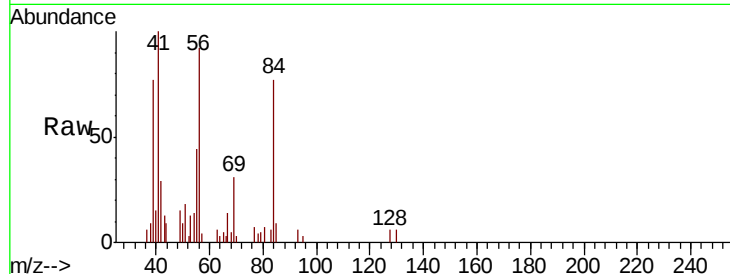
#31
Cyclohexane
Concen: 9.95 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.0	22.8	34.2	
84	83.5	70.7	106.1	

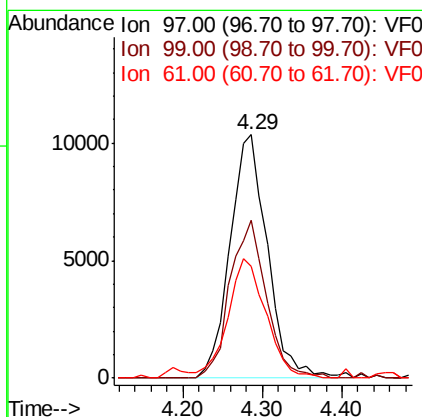
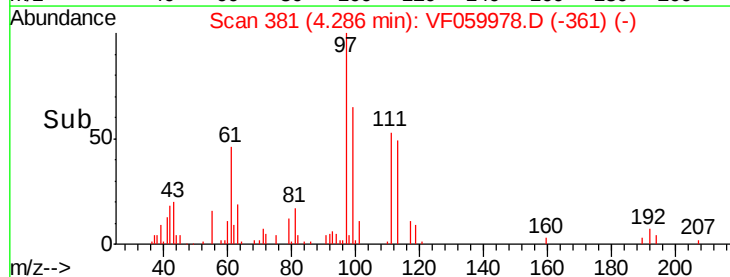
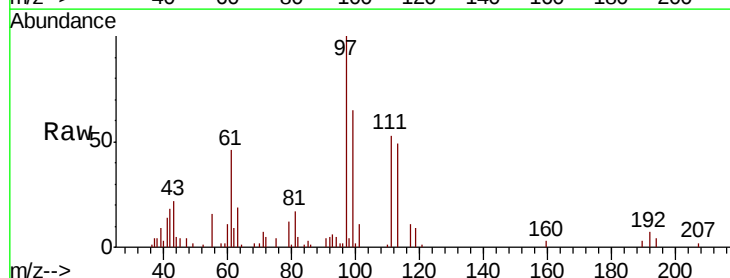
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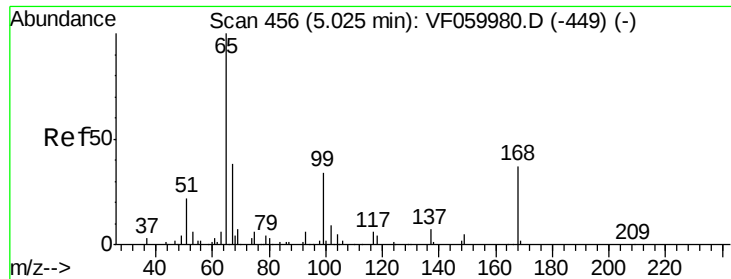
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#32
1,1,1-Trichloroethane
Concen: 10.36 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.7	53.1	79.7	
61	46.0	38.2	57.2	





#33

1,2-Dichloroethane-d4

Concen: 10.83 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 27289

Ion Ratio Lower Upper

65 100

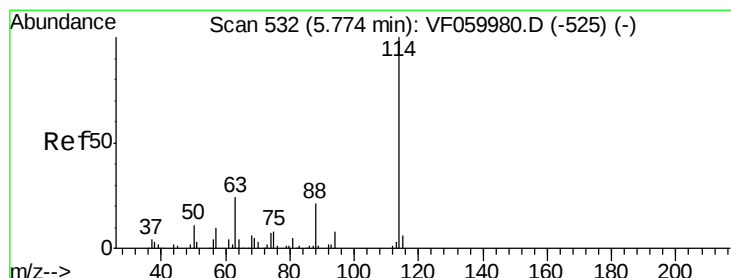
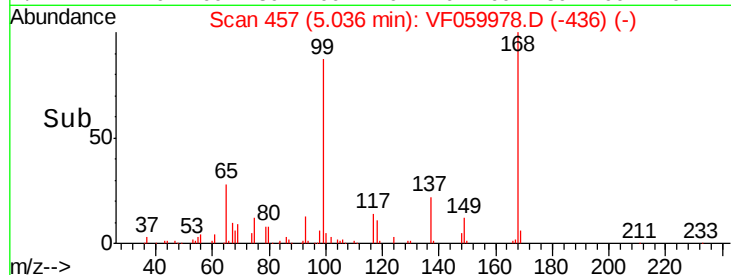
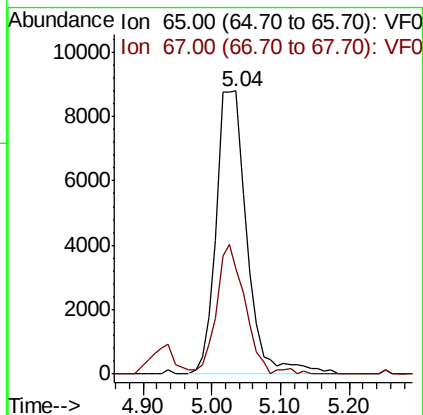
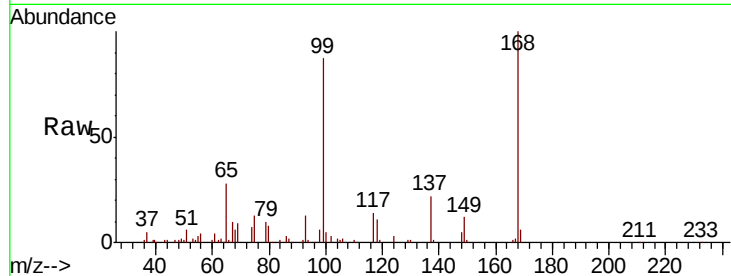
67 37.4 0.0 82.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

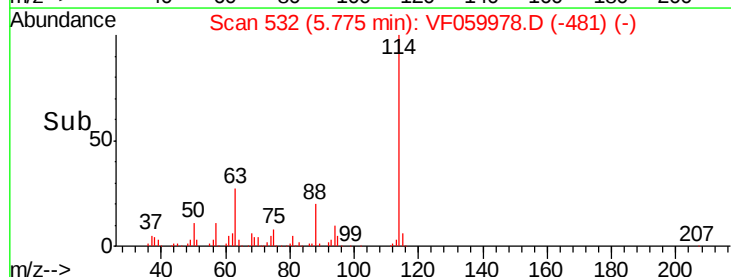
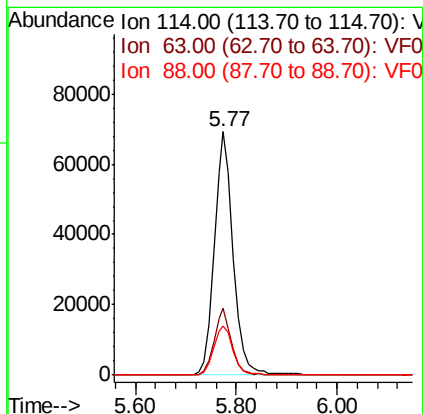
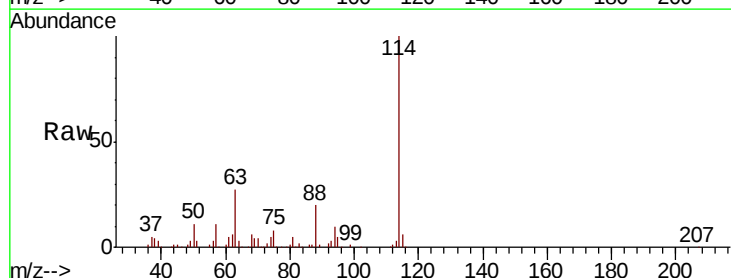
Tgt Ion: 114 Resp: 181802

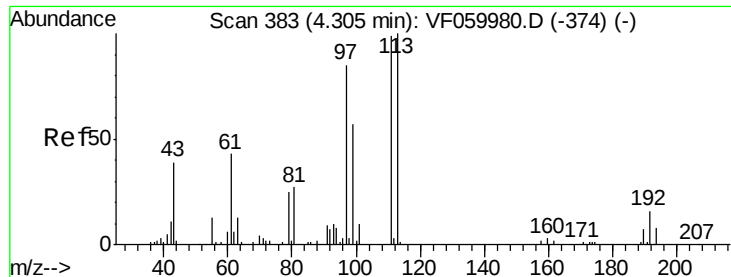
Ion Ratio Lower Upper

114 100

63 27.5 0.0 48.6

88 20.4 0.0 42.8





#35

Dibromofluoromethane

Concen: 10.50 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

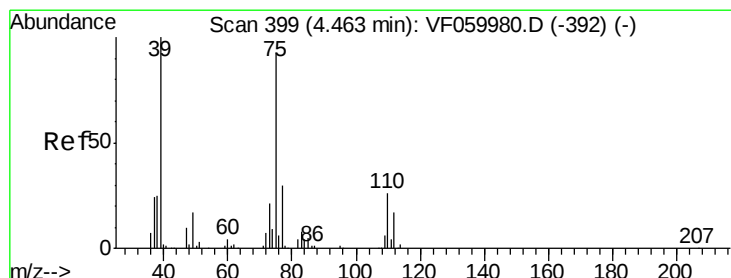
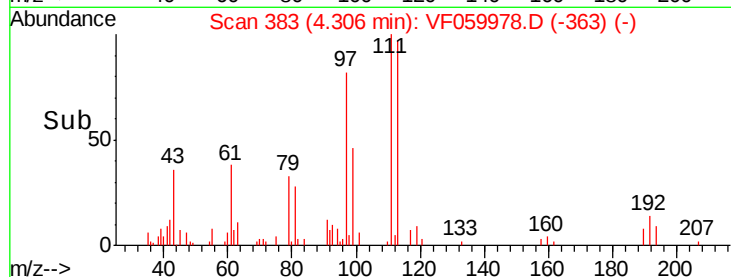
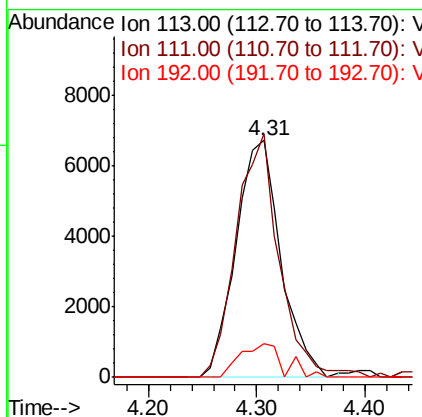
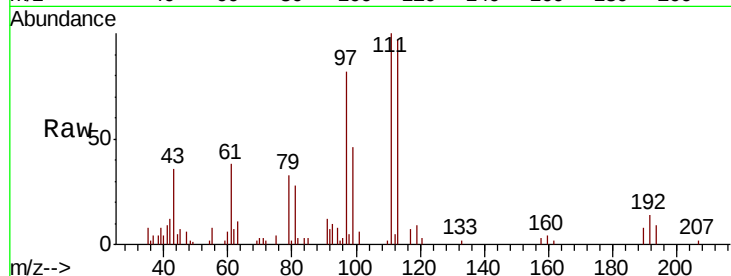
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	19427
Ion	Ratio	Lower	Upper
113	100		
111	102.8	79.5	119.3
192	14.1	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 10.52 ug/l

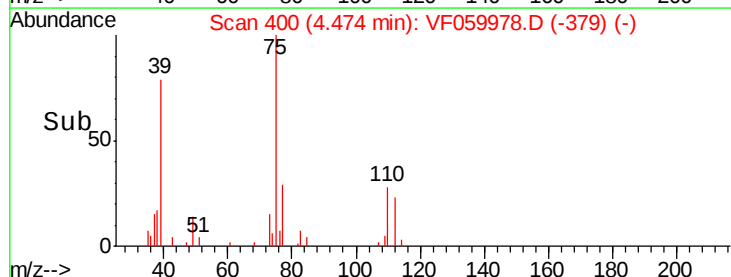
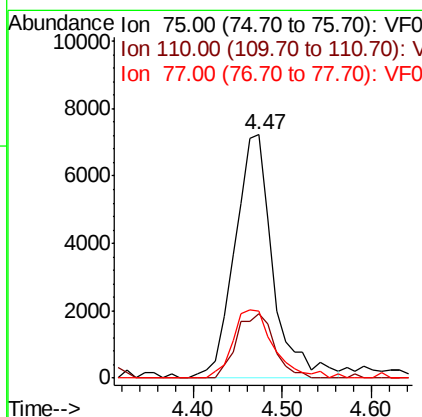
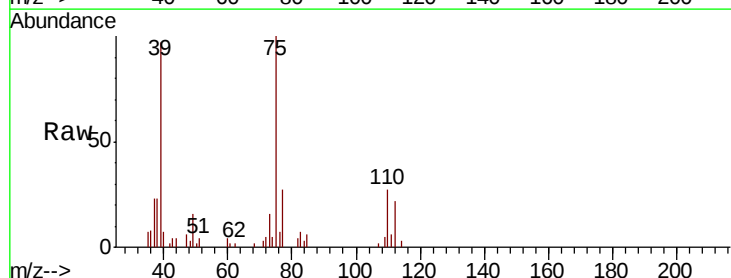
RT: 4.47 min Scan# 400

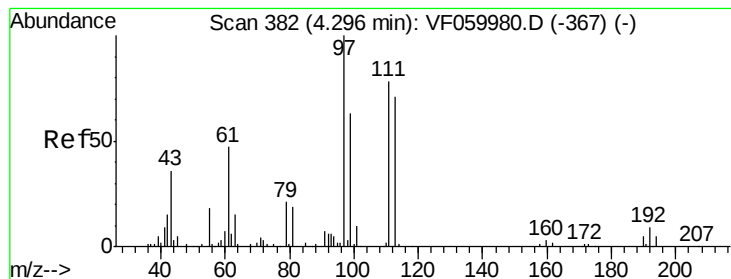
Delta R.T. 0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tgt Ion:	75	Resp:	21576
Ion	Ratio	Lower	Upper
75	100		
110	26.6	13.8	41.4
77	27.4	25.8	38.8





#37

Ethyl Acetate

Concen: 9.35 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

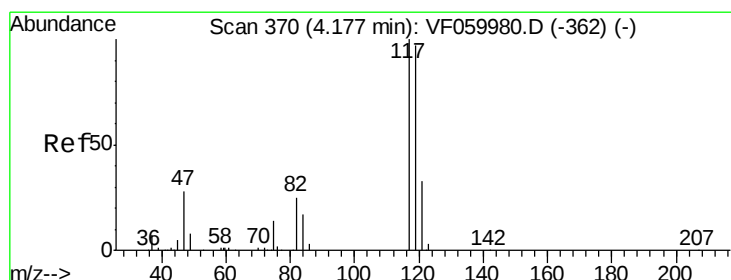
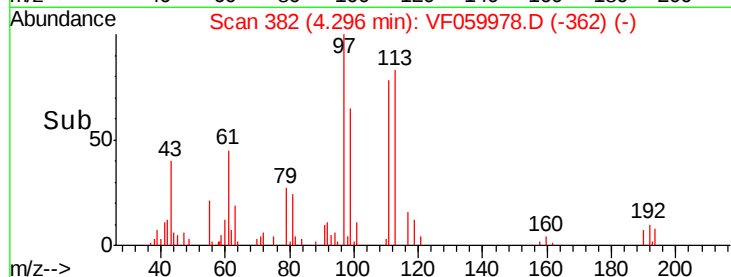
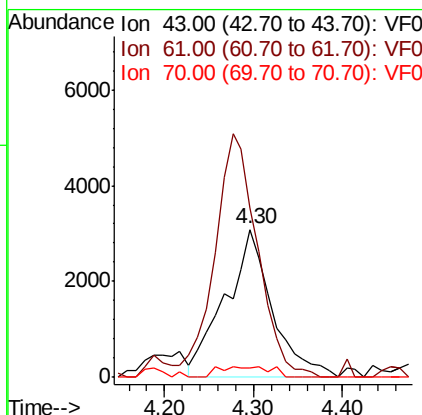
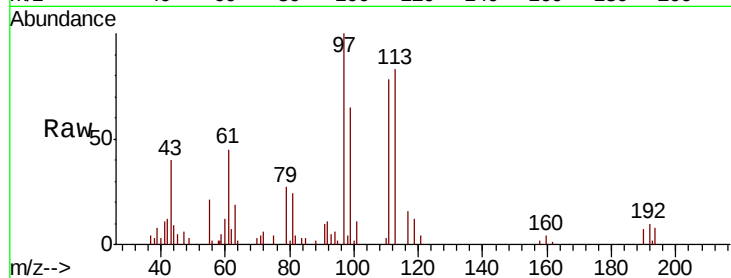
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	11307
Ion	Ratio	Lower	Upper
43	100		
61	114.2	104.5	156.7
70	6.6	5.9	8.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 10.25 ug/l

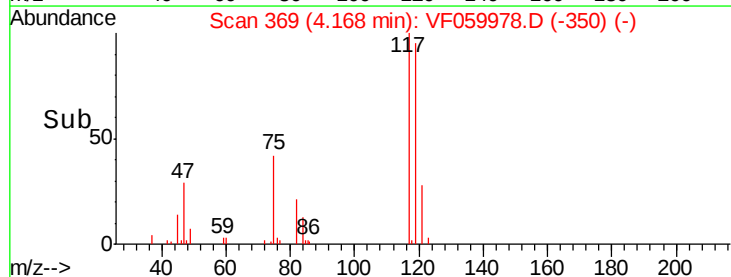
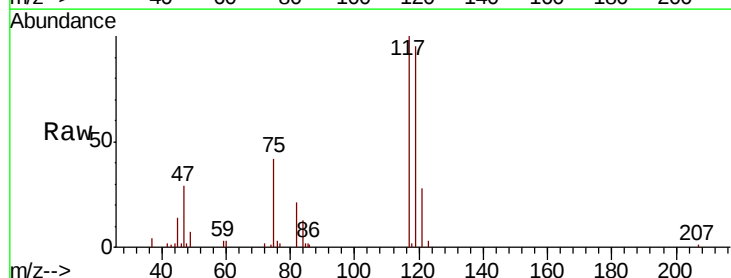
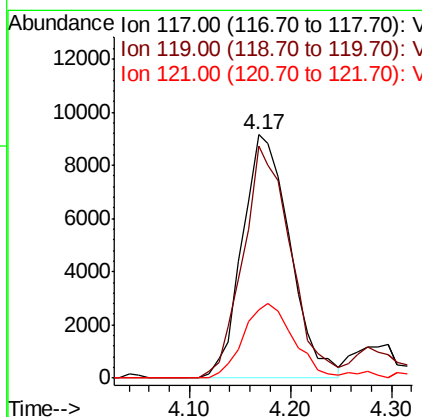
RT: 4.17 min Scan# 369

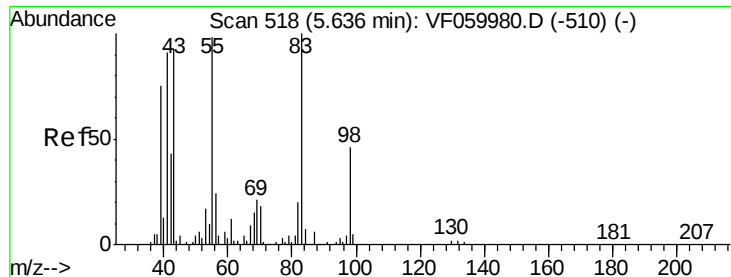
Delta R.T. -0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tgt Ion:	117	Resp:	30200
Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.8	116.6
121	28.0	26.0	39.0





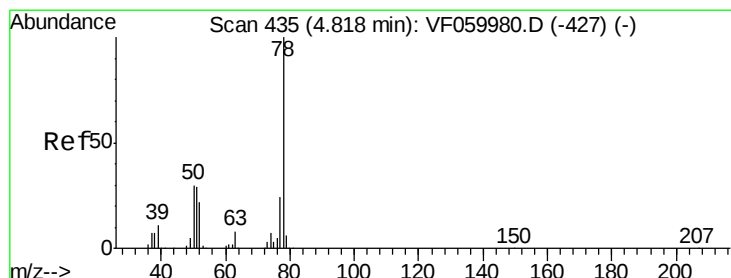
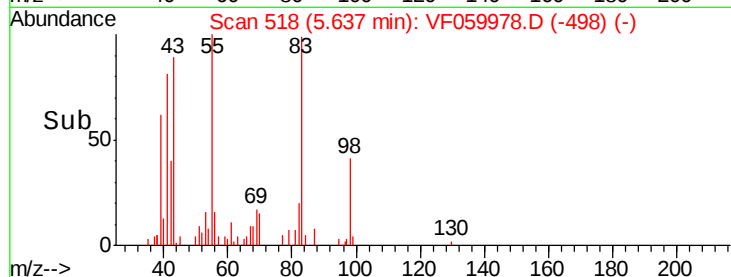
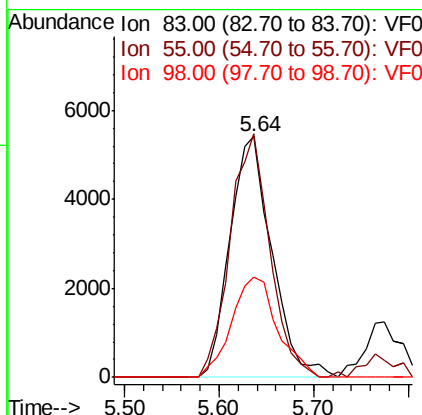
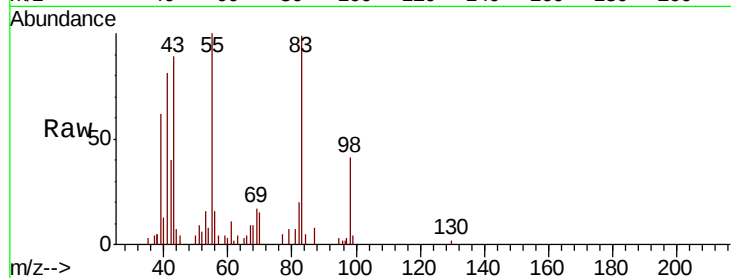
#39
Methvlcvclohexane
Concen: 10.70 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	101.0	78.8	118.2
98	41.7	36.8	55.2

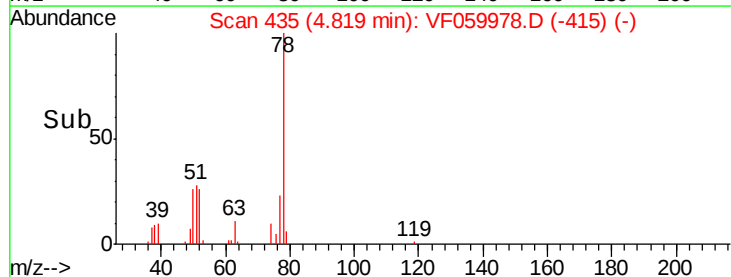
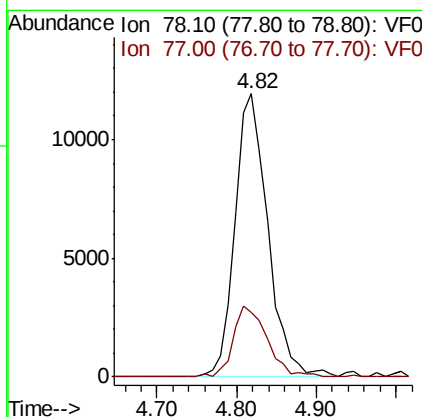
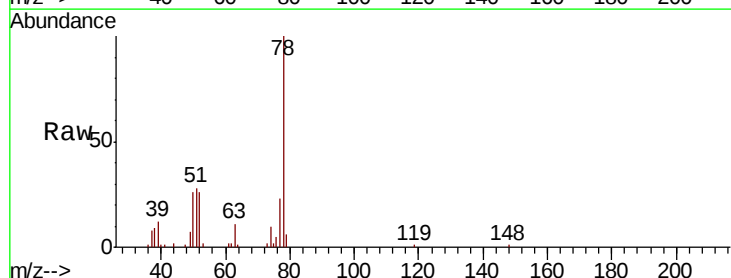
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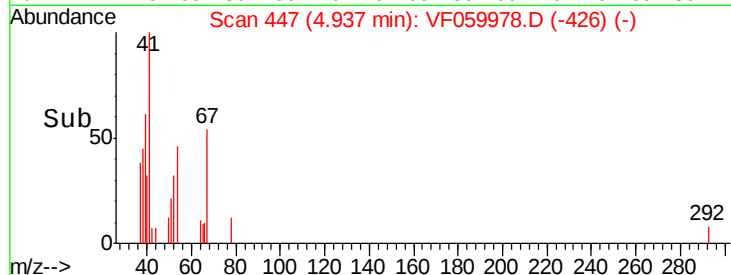
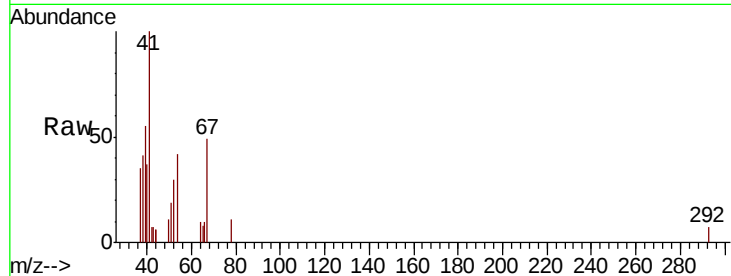
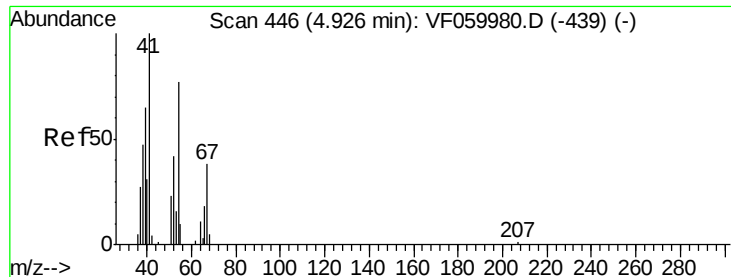
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#40
Benzene
Concen: 9.79 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.1	28.7





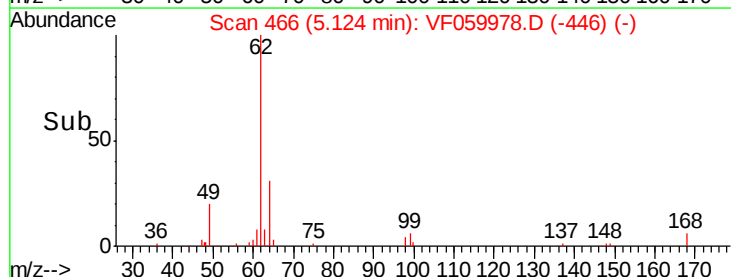
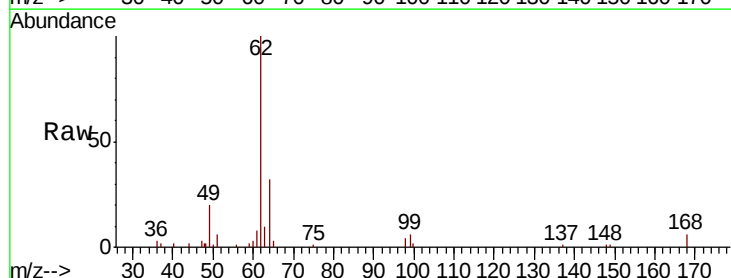
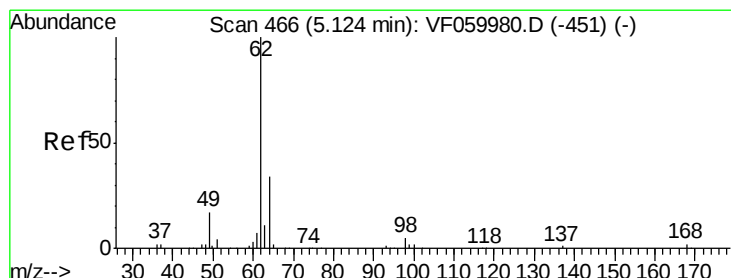
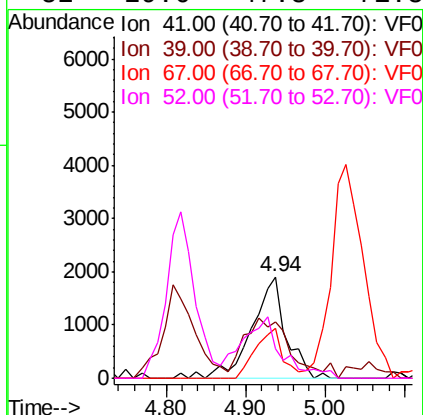
#41
Methacrylonitrile
Concen: 9.75 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.01 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.5	62.9	94.3#		
67	49.2	30.4	45.6#		
52	29.6	47.8	71.8#		

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

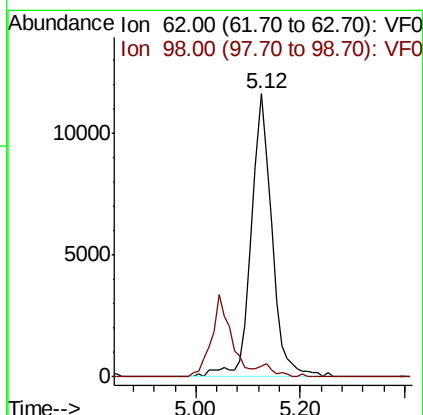
Manual Integrations
APPROVED

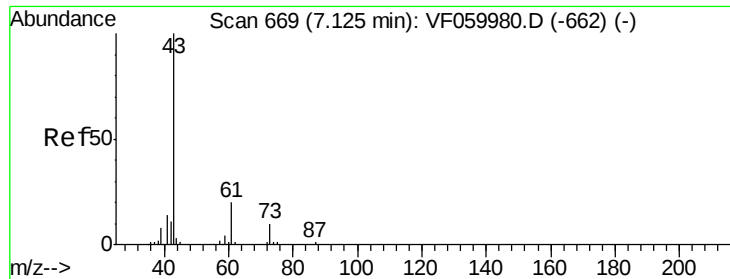
apatel
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#42
1,2-Dichloroethane
Concen: 10.29 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	3.7	0.0	9.0		





#43

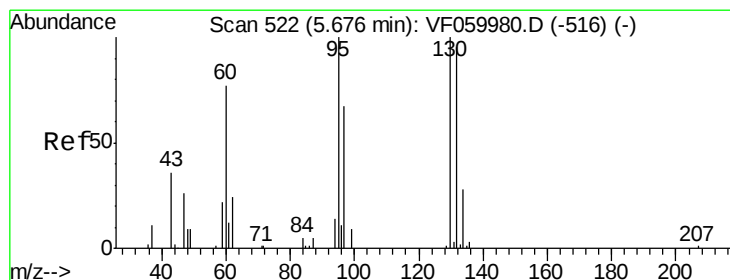
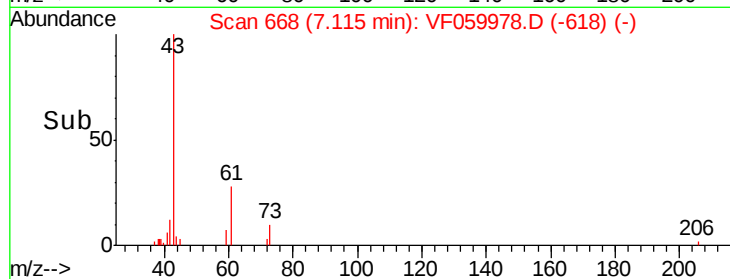
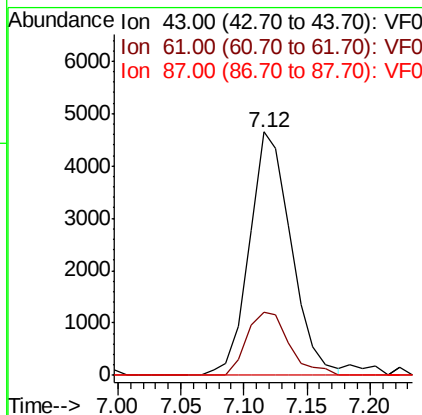
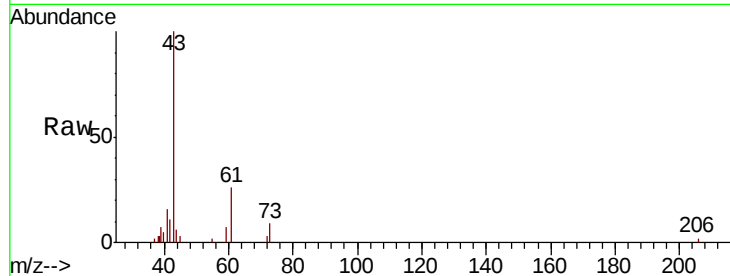
Isopropyl Acetate
 Concen: 8.15 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	15.8	23.8#
87	0.0	0.6	0.8#

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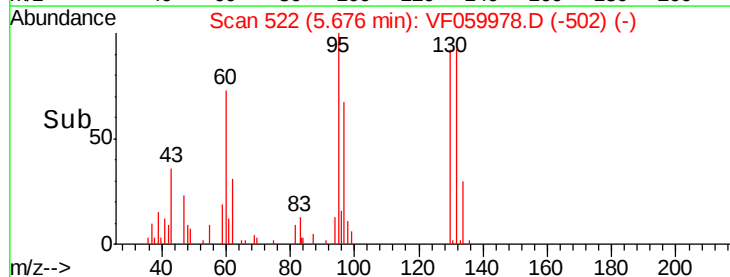
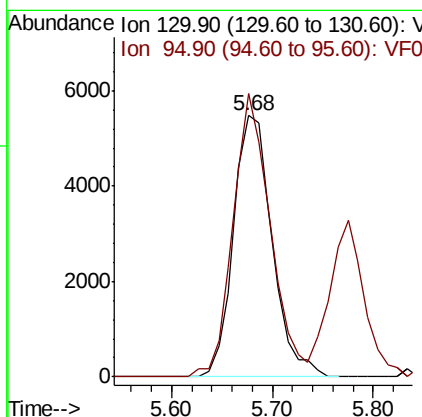
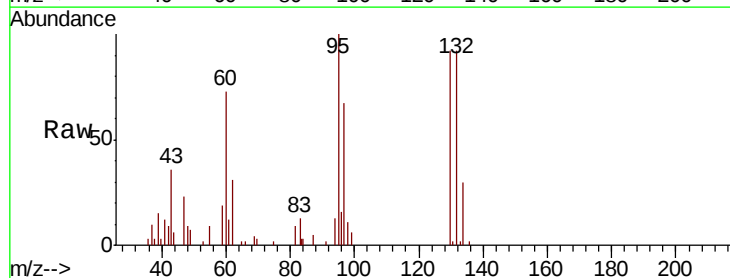
apatel
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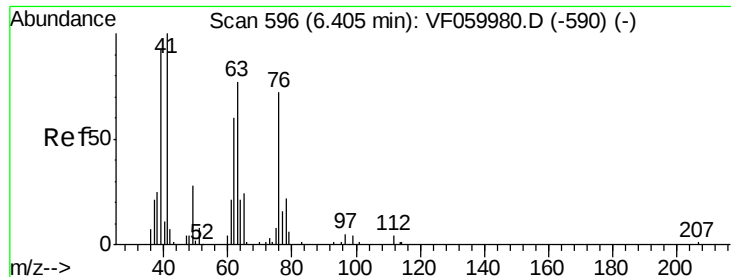


#44

Trichloroethene
 Concen: 10.76 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	201.8





#45

1,2-Dichloropropane

Concen: 10.65 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 10606

Ion Ratio Lower Upper

63 100

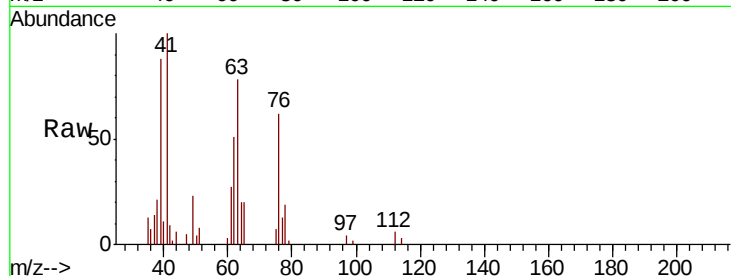
65 25.6 25.0 37.6

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

4000

3000

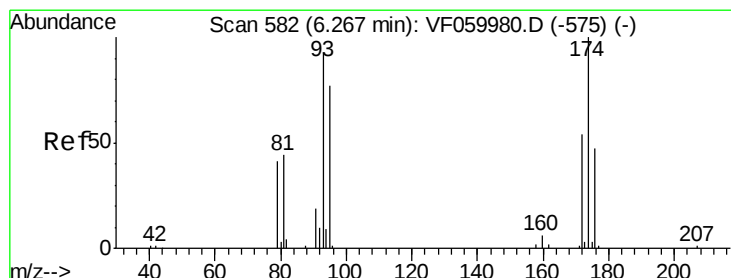
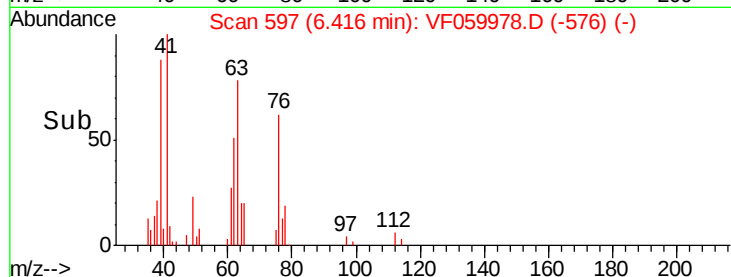
2000

1000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 9.45 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

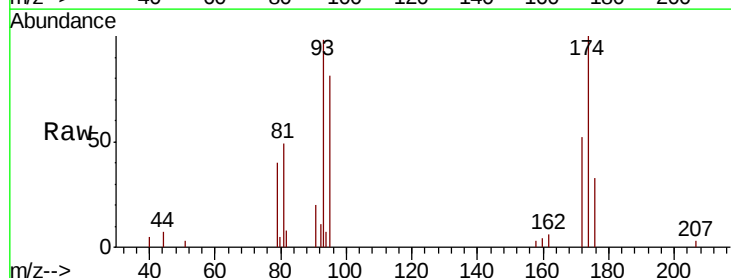
Tgt Ion: 93 Resp: 9537

Ion Ratio Lower Upper

93 100

95 82.5 67.0 100.4

174 102.2 85.7 128.5



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

5000

4000

3000

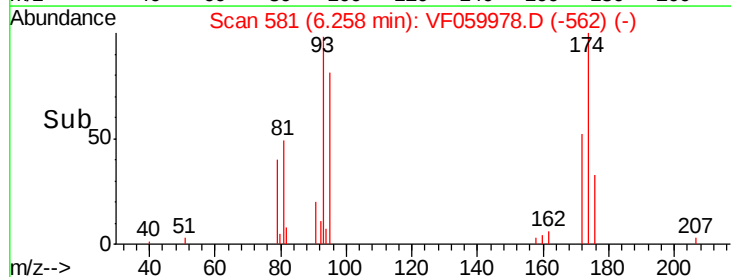
2000

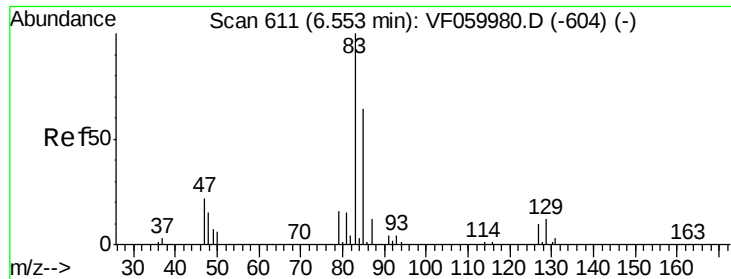
1000

0

6.15 6.20 6.25 6.30 6.35

Time-->





#47

Bromodichloromethane

Concen: 10.15 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

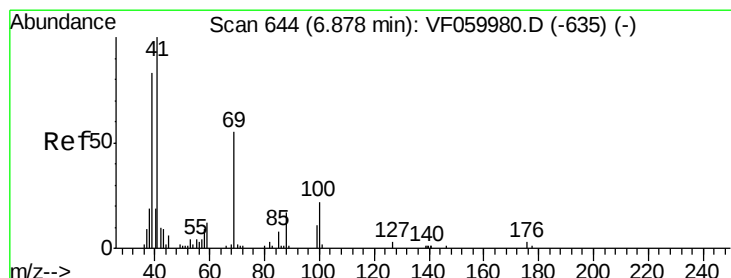
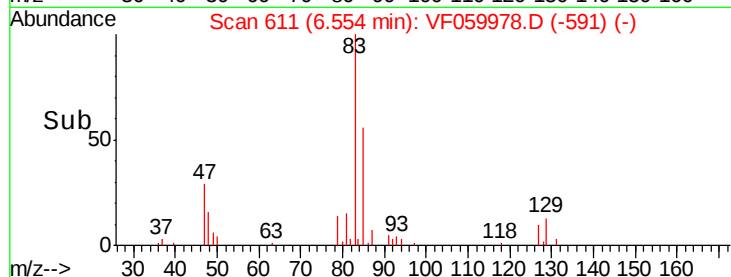
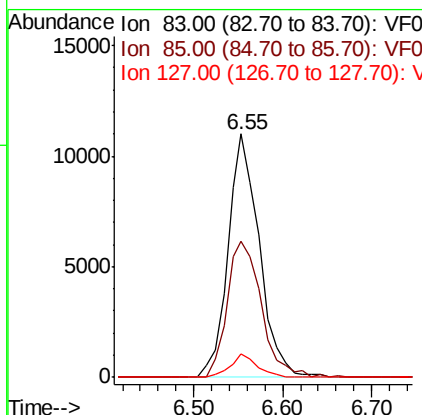
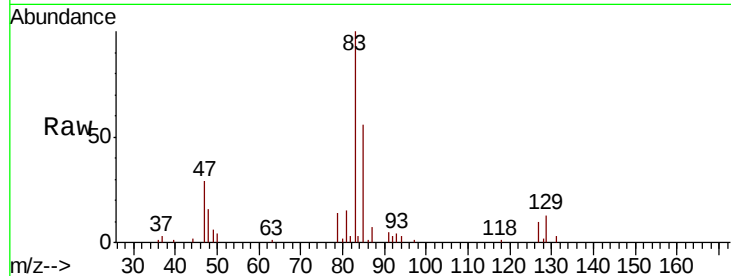
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	27054
Ion	Ratio	Lower	Upper
83	100		
85	55.9	51.4	77.0
127	9.8	8.2	12.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 8.57 ug/l

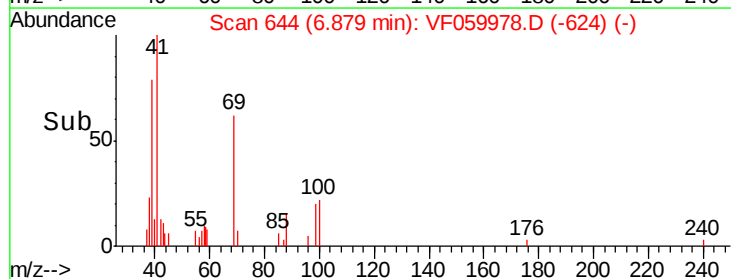
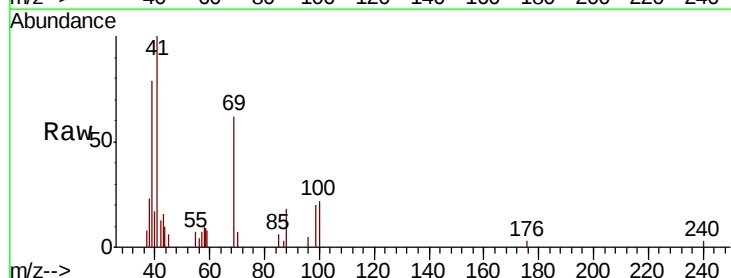
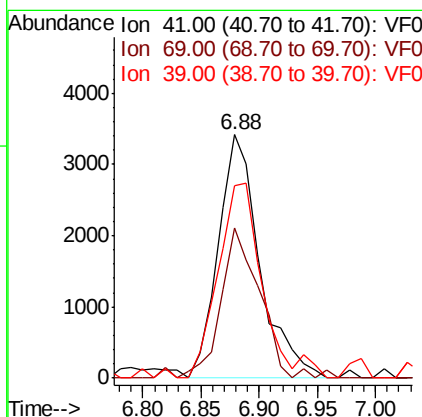
RT: 6.88 min Scan# 644

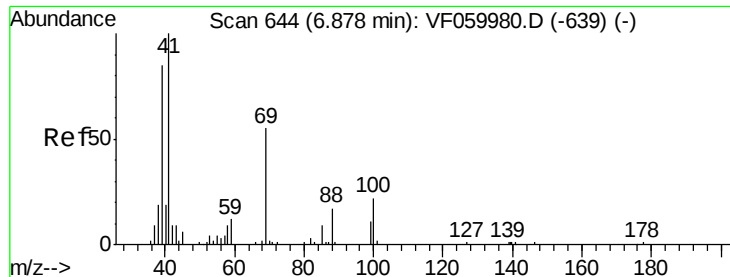
Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tgt Ion:	41	Resp:	8419
Ion	Ratio	Lower	Upper
41	100		
69	61.6	44.4	66.6
39	78.9	67.8	101.6





#49

1,4-Dioxane

Concen: 168.53 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

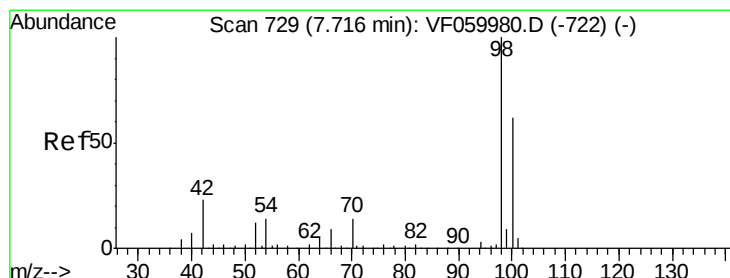
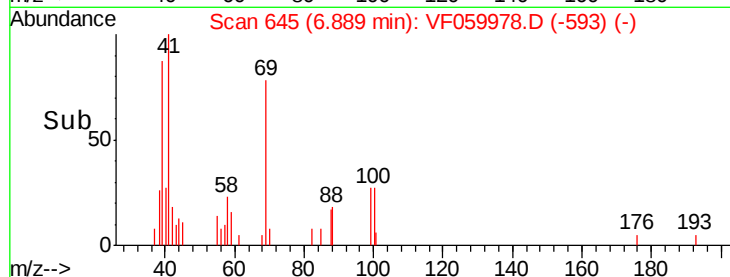
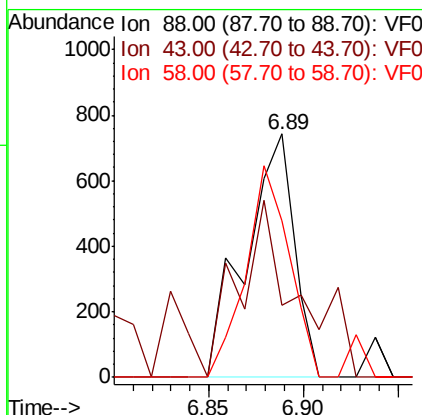
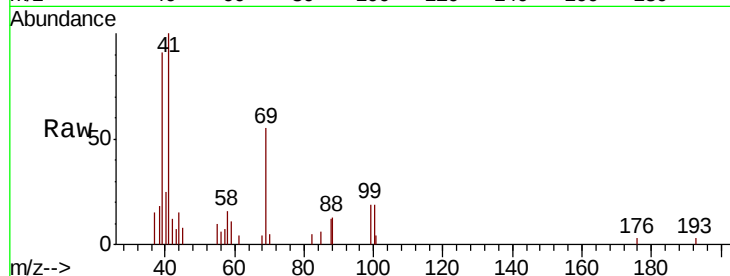
ClientSampleId :

VSTDIC010

Tot Ion:	88	Resp:	1326
Ion	Ratio	Lower	Upper
88	100		
43	29.7	43.2	64.8#
58	64.2	42.0	63.0#

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#50

Toluene-d8

Concen: 10.53 ug/l

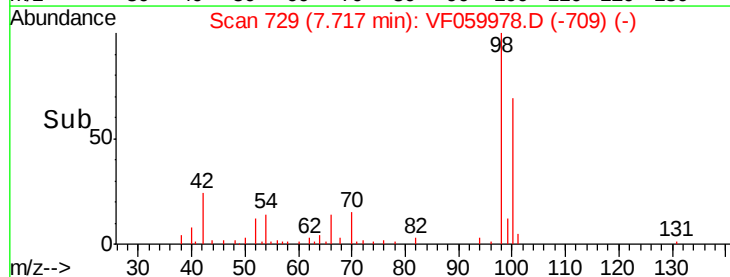
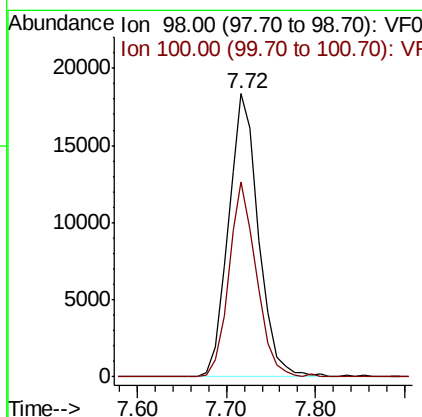
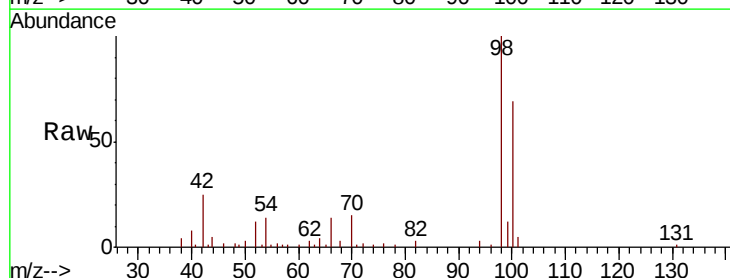
RT: 7.72 min Scan# 729

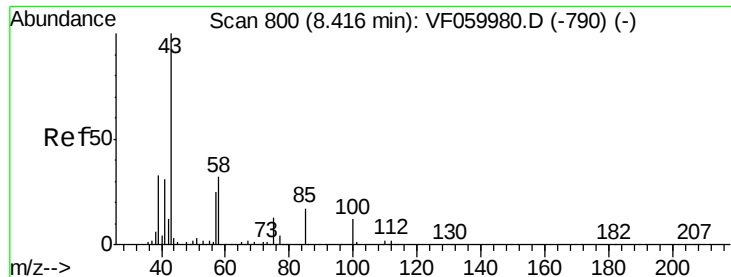
Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tgt Ion:	98	Resp:	43198
Ion	Ratio	Lower	Upper
98	100		
100	69.0	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 48.51 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 59729

Ion Ratio Lower Upper

43 100

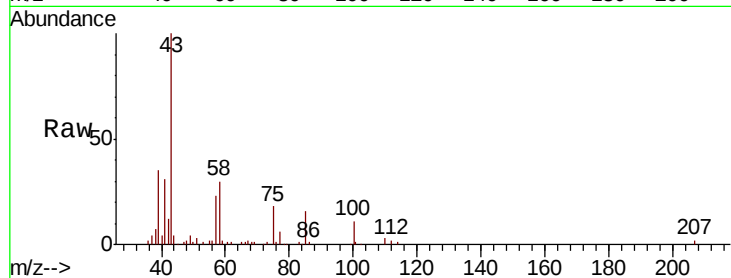
58 30.2 25.6 38.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

25000

20000

15000

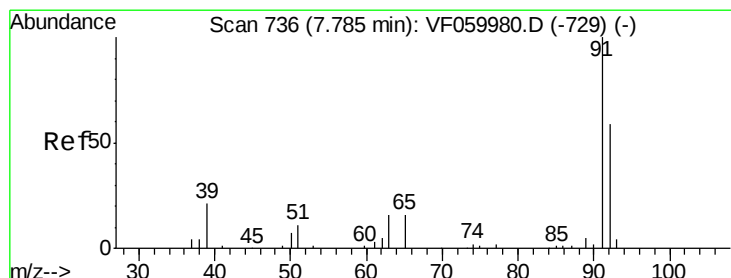
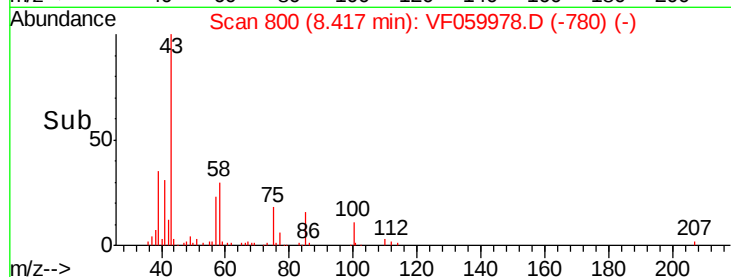
10000

5000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 10.24 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059978.D

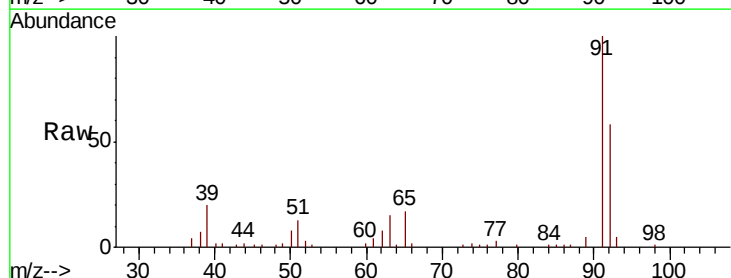
Acq: 17 Aug 2018 17:37

Tgt Ion: 92 Resp: 26931

Ion Ratio Lower Upper

92 100

91 171.2 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

20000

15000

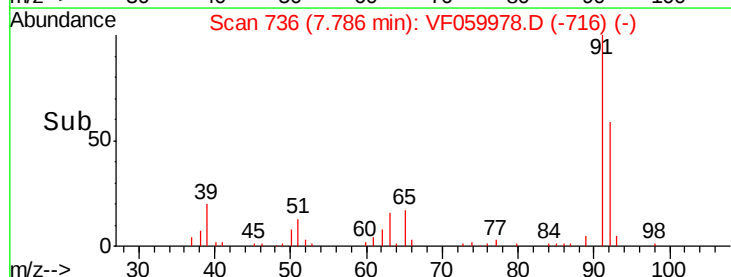
10000

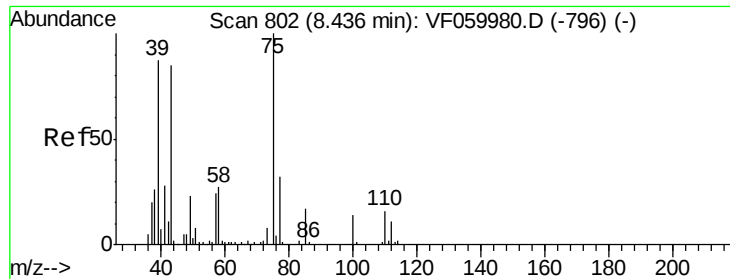
5000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 9.87 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 22339

Ion Ratio Lower Upper

75 100

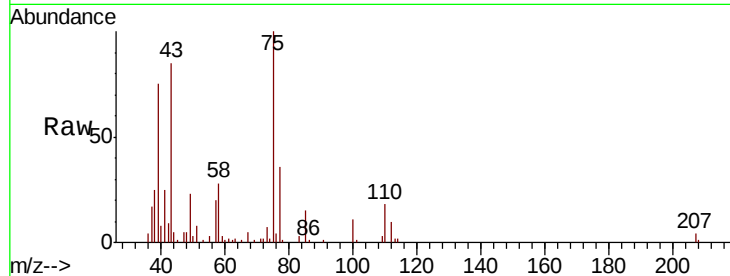
77 36.4 25.8 38.6

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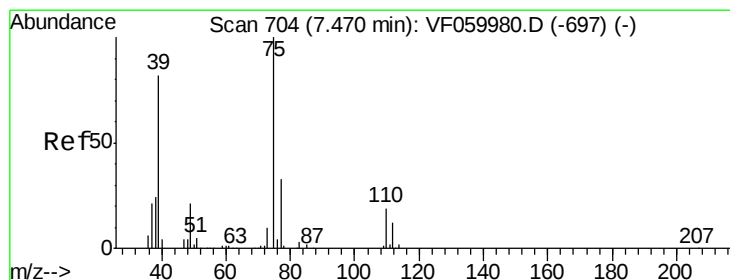
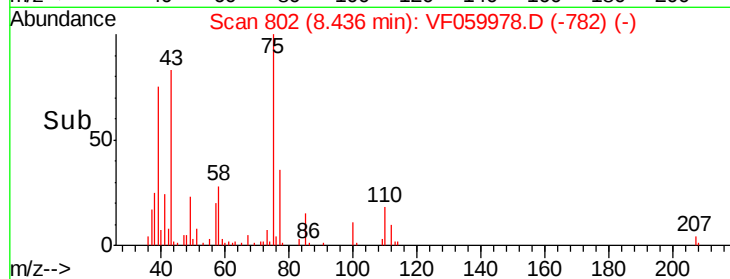
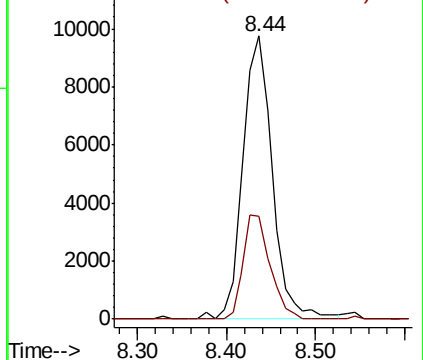
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 9.46 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

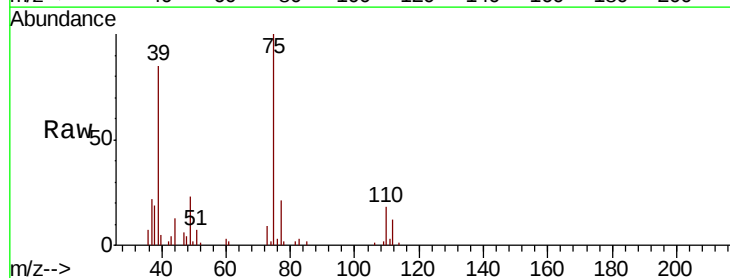
Tgt Ion: 75 Resp: 20650

Ion Ratio Lower Upper

75 100

77 21.3 26.0 39.0#

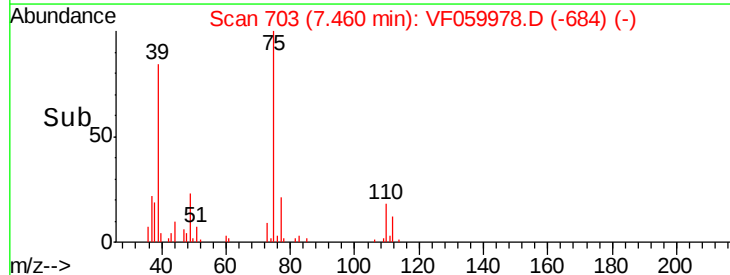
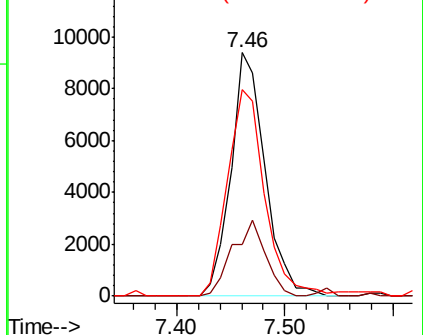
39 84.9 65.3 97.9

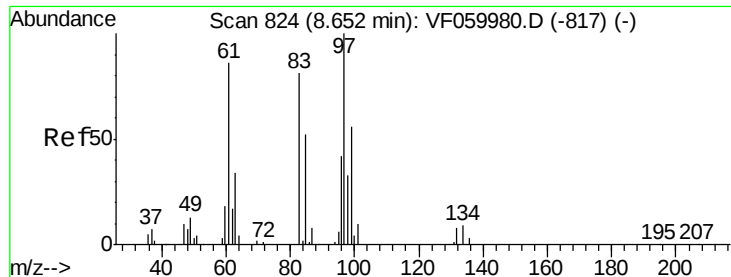


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 9.08 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

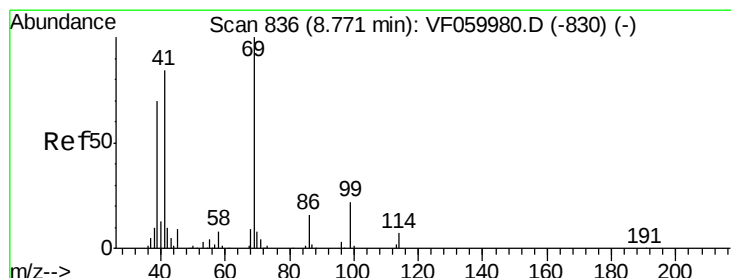
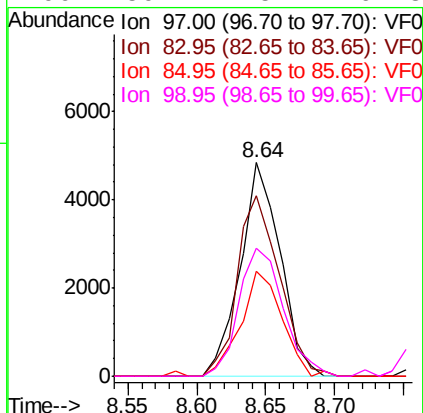
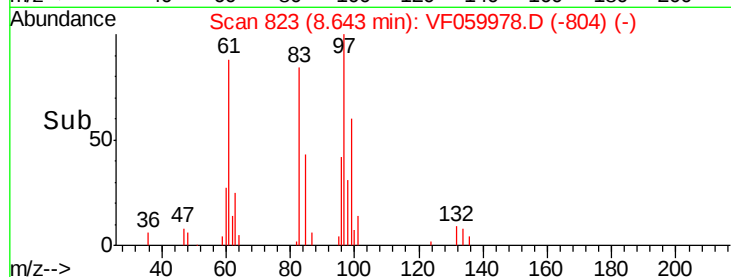
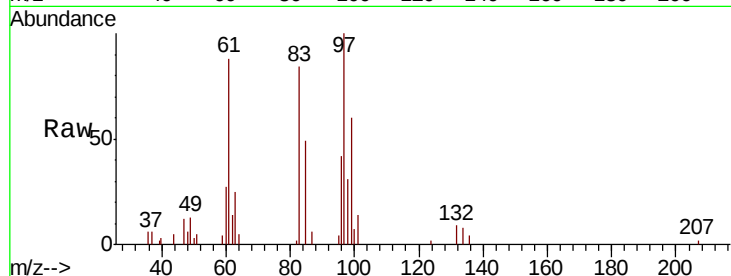
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	9788
Ion	Ratio	Lower	Upper
97	100		
83	84.3	64.9	97.3
85	49.3	41.8	62.6
99	59.7	45.2	67.8

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#56

Ethyl methacrylate

Concen: 9.94 ug/l

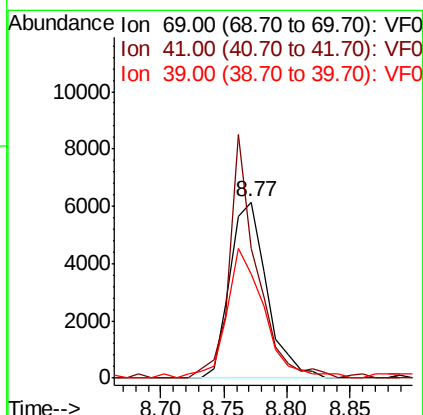
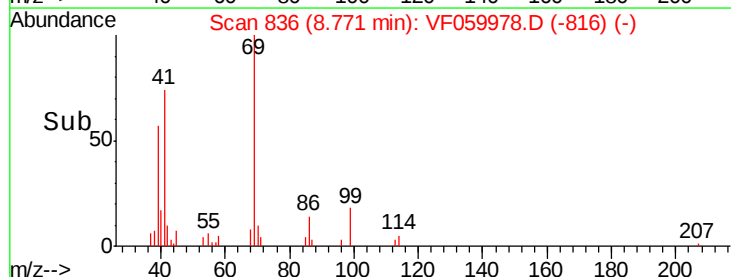
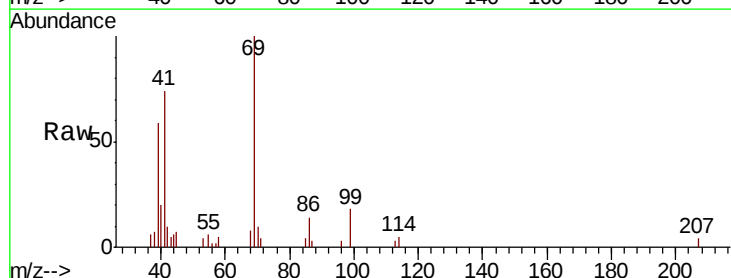
RT: 8.77 min Scan# 836

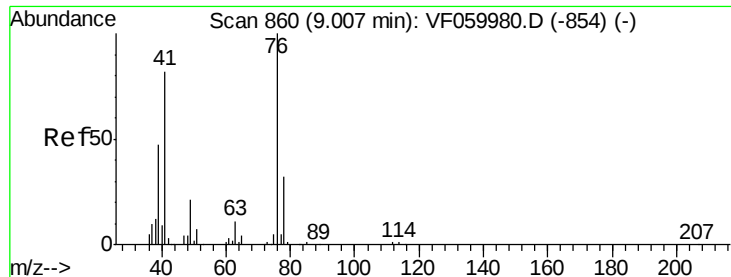
Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tgt Ion:	69	Resp:	12482
Ion	Ratio	Lower	Upper
69	100		
41	73.5	67.8	101.6
39	59.2	55.8	83.6





#57

1,3-Dichloropropane

Concen: 9.53 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 18244

Ion Ratio Lower Upper

76 100

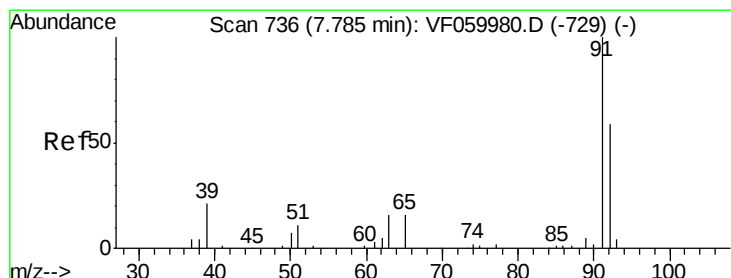
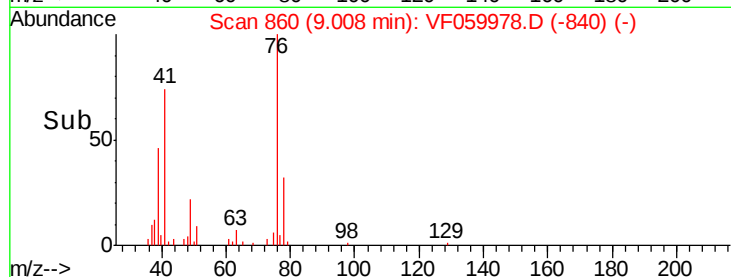
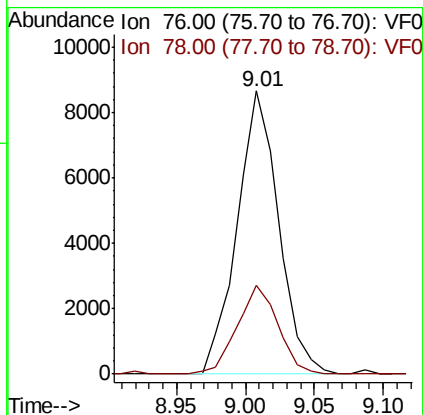
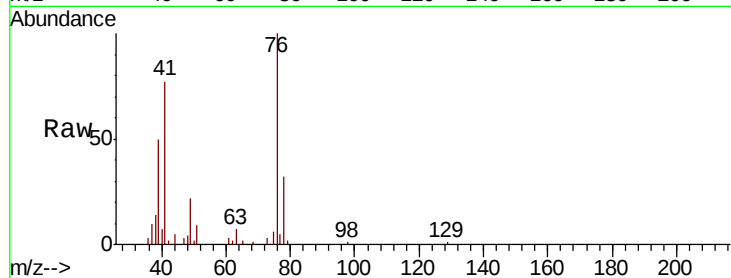
78 31.6 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 67.95 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059978.D

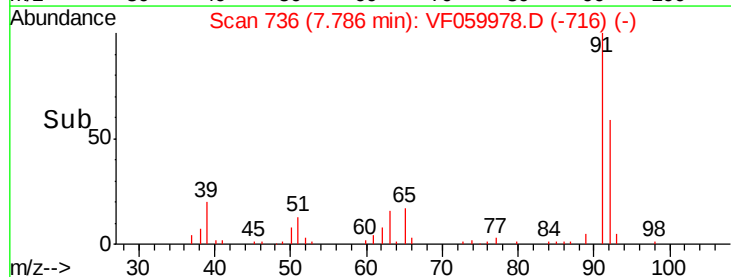
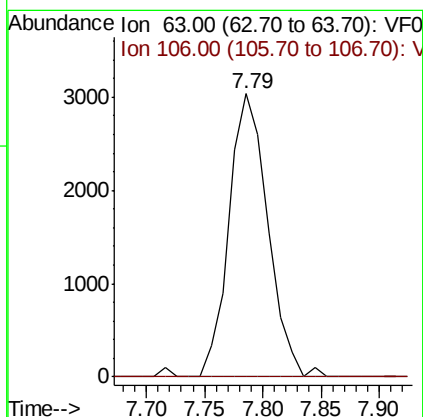
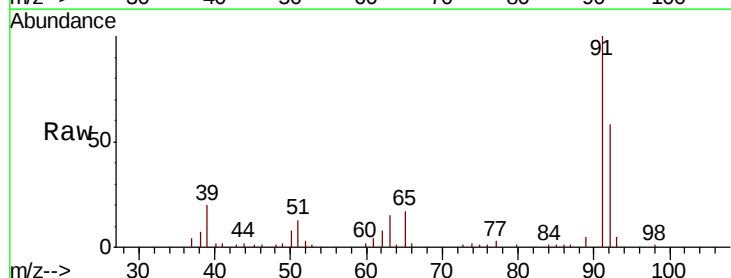
Acq: 17 Aug 2018 17:37

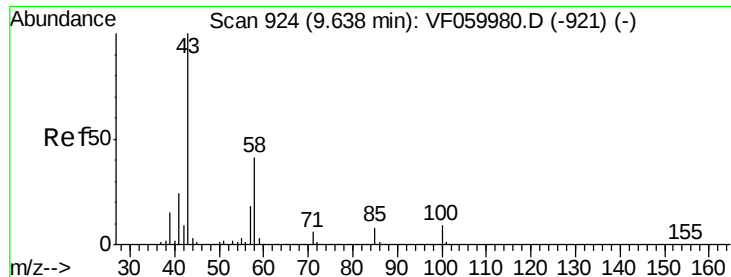
Tgt Ion: 63 Resp: 7015

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





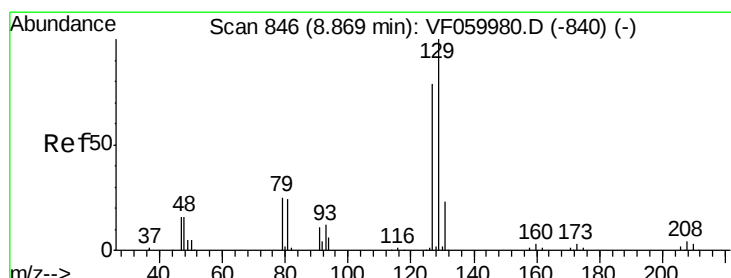
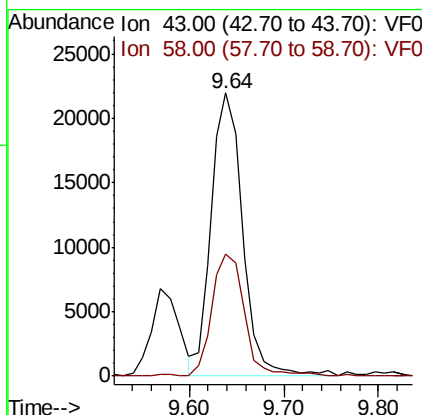
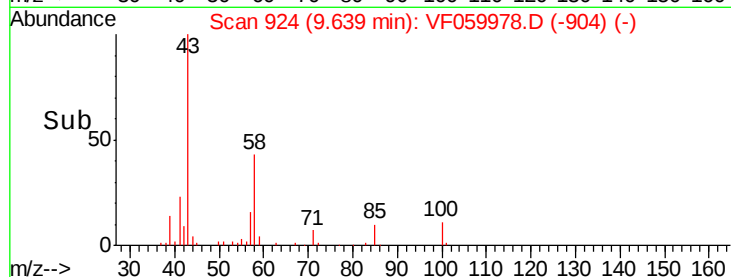
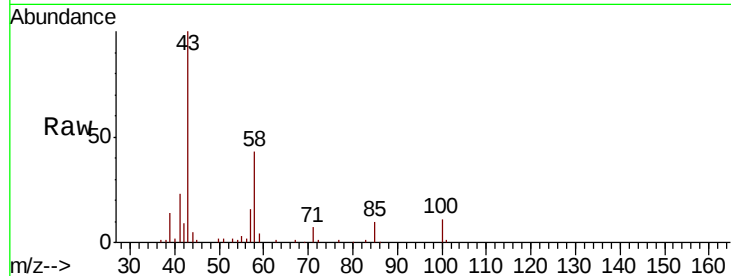
#59
2-Hexanone
Concen: 49.77 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	50916
Ion Ratio	100	Lower	Upper
43	100		
58	43.1	20.1	60.3

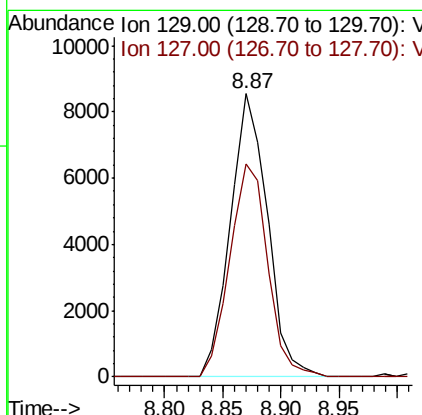
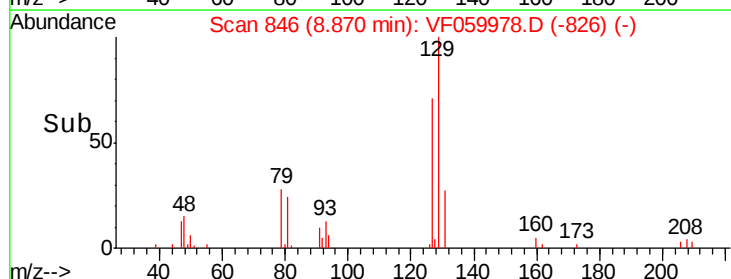
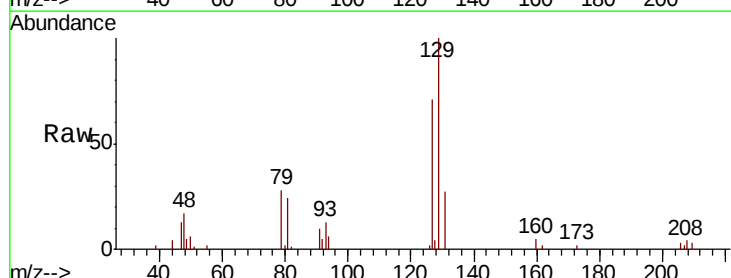
Manual Integrations
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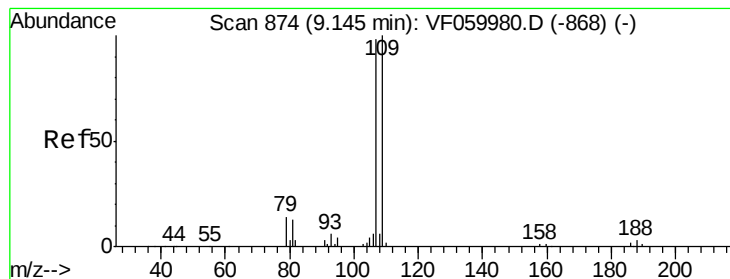
apatel
8/20/2018 11:47:11 AM



#60
Dibromochloromethane
Concen: 9.67 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion	129	Resp	18874
Ion Ratio	100	Lower	Upper
129	100		
127	75.0	39.5	118.5





#61

1,2-Dibromoethane

Concen: 9.43 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 12826

Ion Ratio Lower Upper

107 100

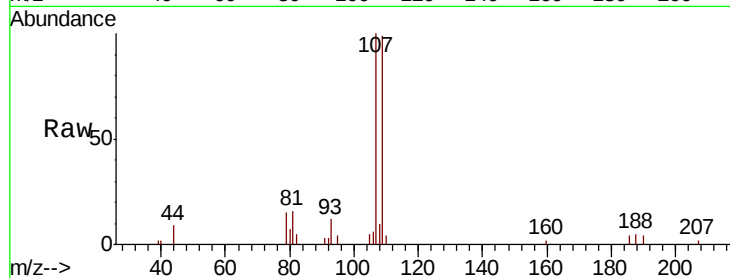
109 99.0 81.7 122.5

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

6000

5000

4000

3000

2000

1000

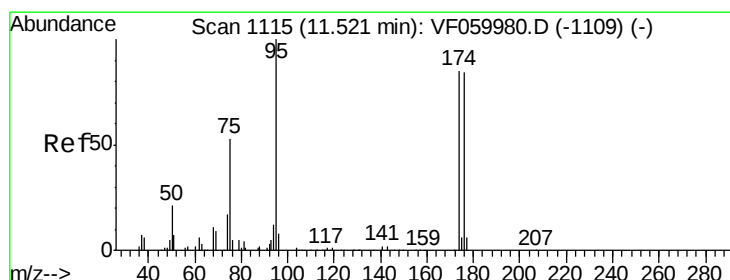
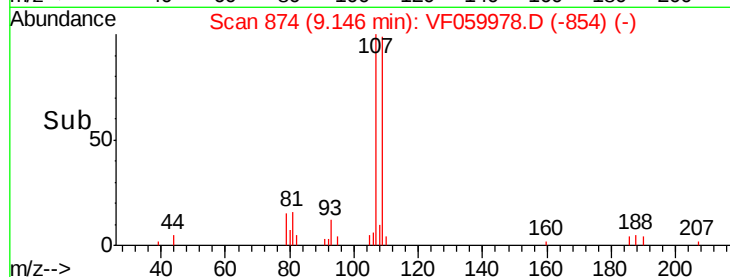
0

9.10

9.15

9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 10.61 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

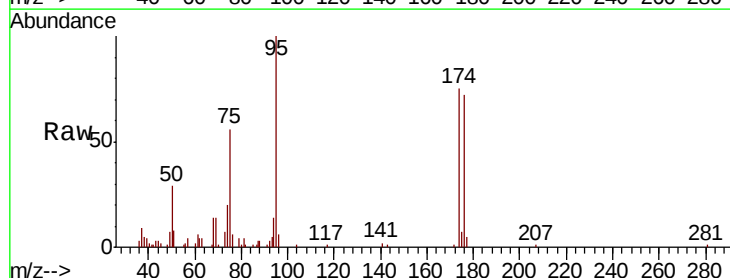
Tgt Ion: 95 Resp: 26706

Ion Ratio Lower Upper

95 100

174 75.1 0.0 169.8

176 72.3 0.0 167.8



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

20000

15000

10000

5000

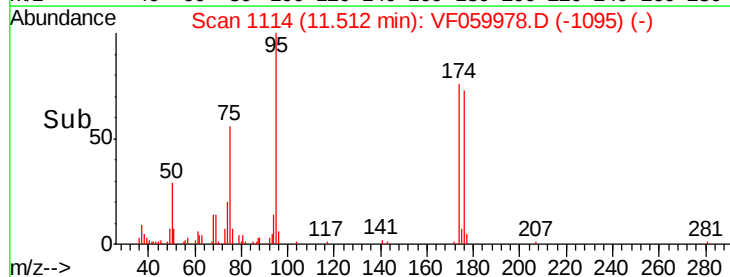
0

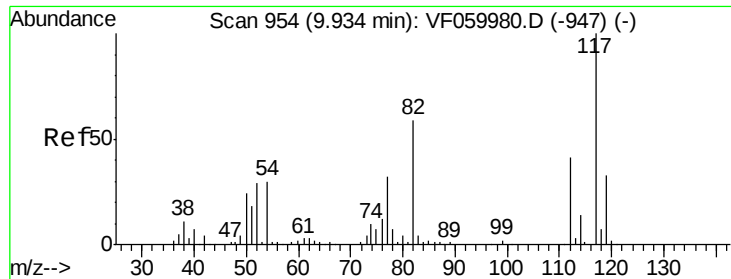
11.40

11.51

11.60

Time-->





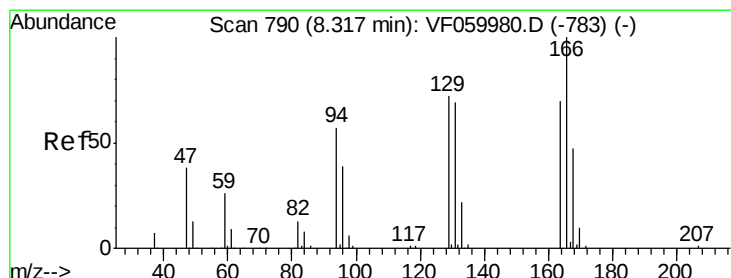
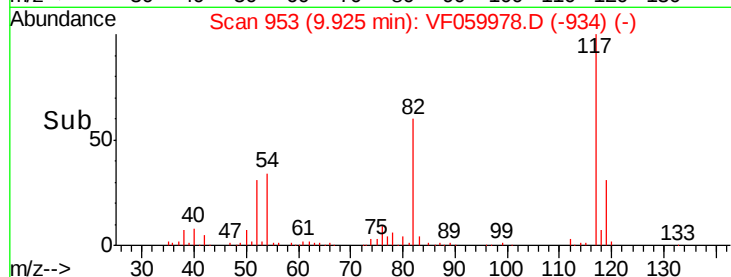
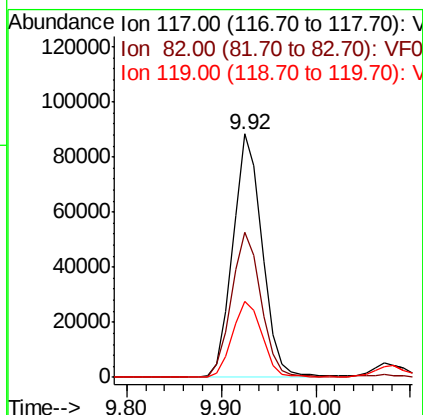
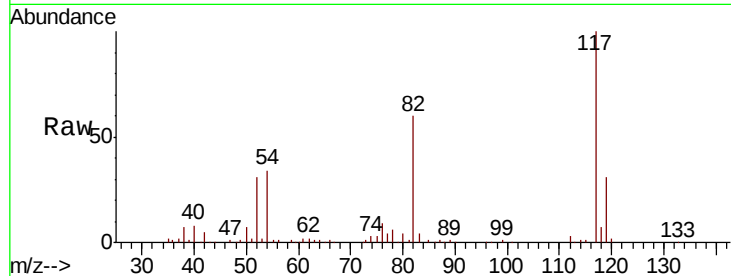
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:	117	Resp:	190314
Ion Ratio	Lower	Upper	
117	100		
82	59.7	47.2	70.8
119	31.2	26.1	39.1

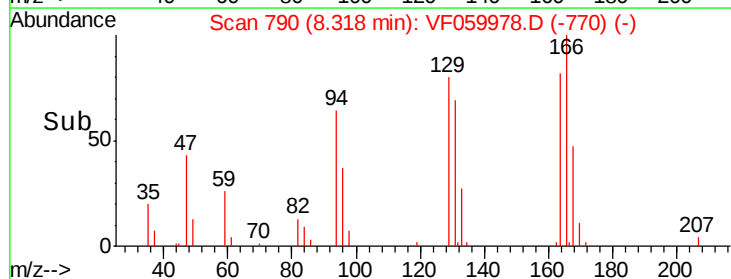
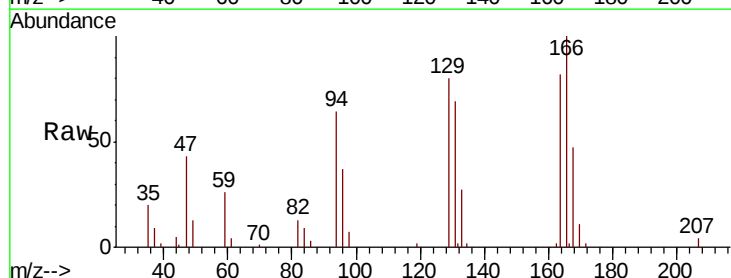
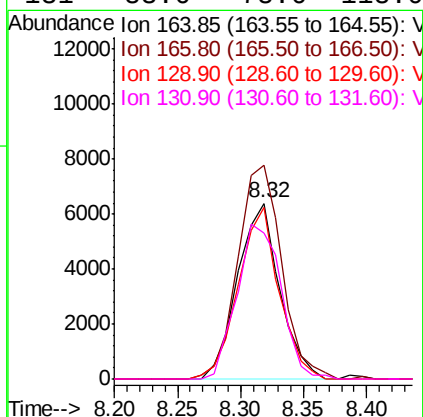
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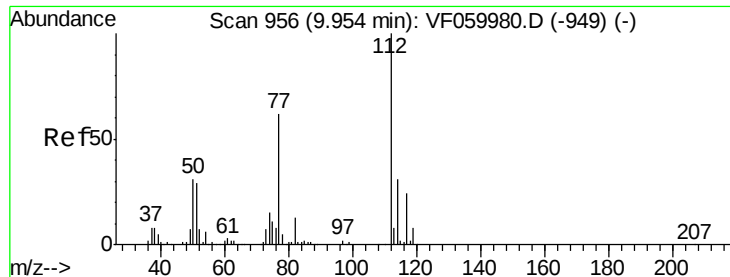
apatel
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#64
Tetrachloroethene
Concen: 10.31 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion:	164	Resp:	14729
Ion Ratio	Lower	Upper	
164	100		
166	121.8	114.5	171.7
129	97.5	82.3	123.5
131	83.6	78.6	118.0





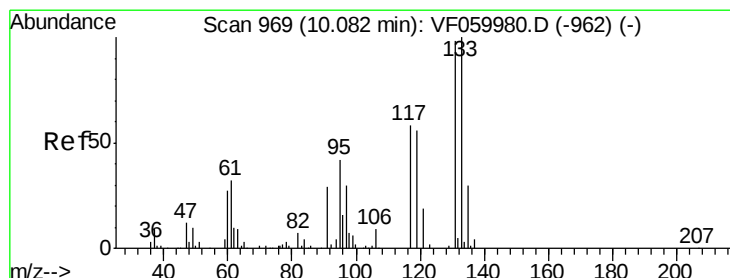
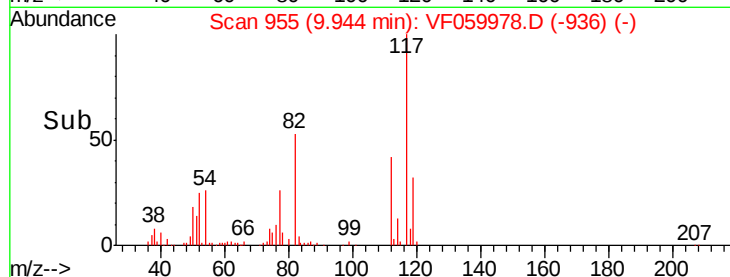
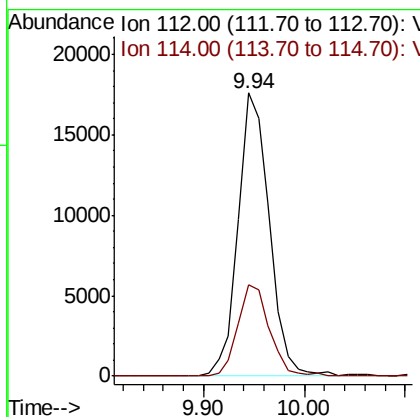
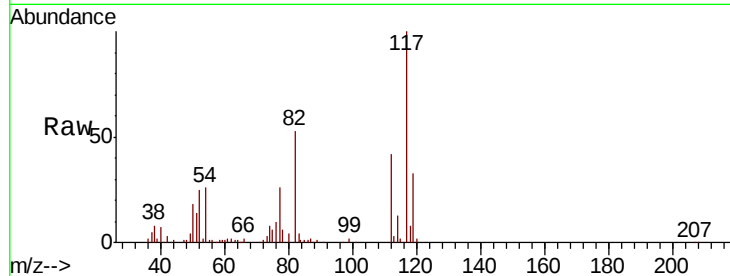
#65
Chlorobenzene
Concen: 10.23 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 37982
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.4

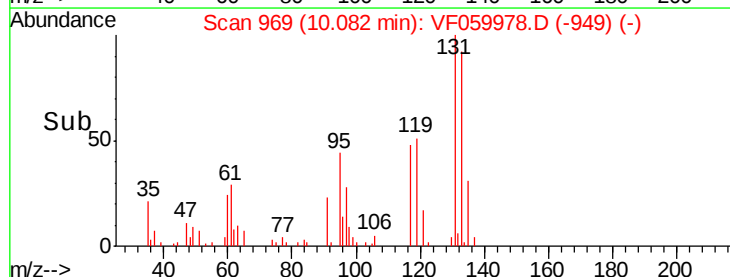
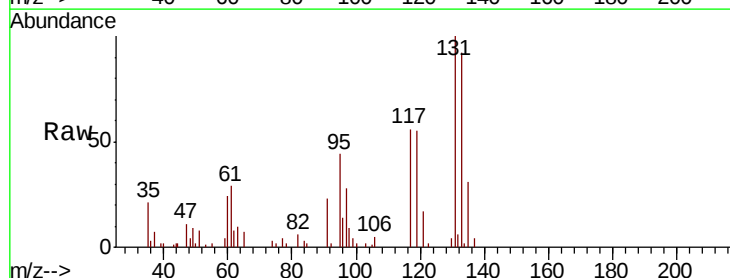
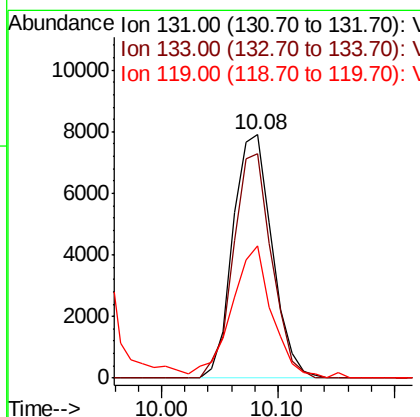
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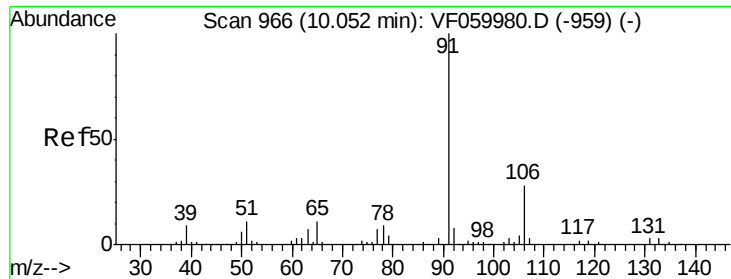
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.76 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion:131 Resp: 18360
Ion Ratio Lower Upper
131 100
133 92.0 51.1 153.3
119 54.6 29.0 87.1





#67

Ethyl Benzene

Concen: 10.52 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 70121

Ion Ratio Lower Upper

91 100

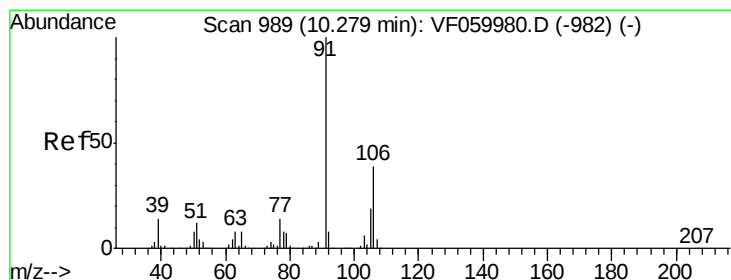
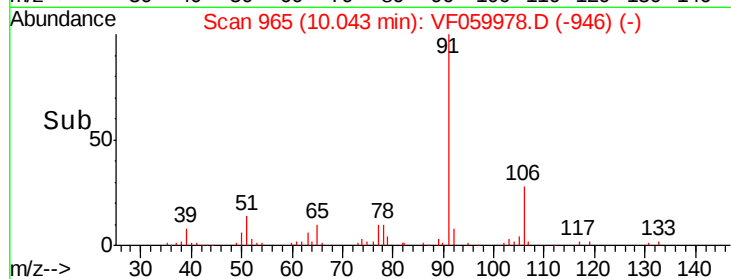
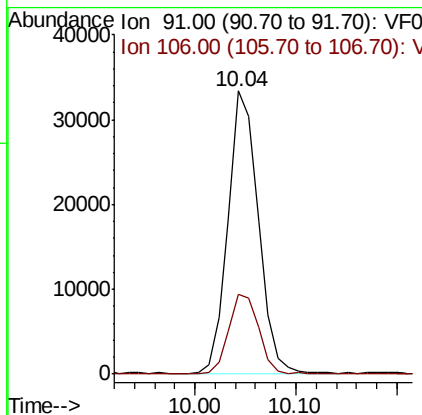
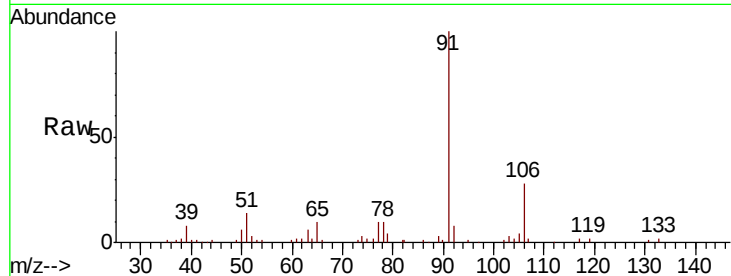
106 28.3 22.0 33.0

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#68

m/p-Xylenes

Concen: 21.19 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF059978.D

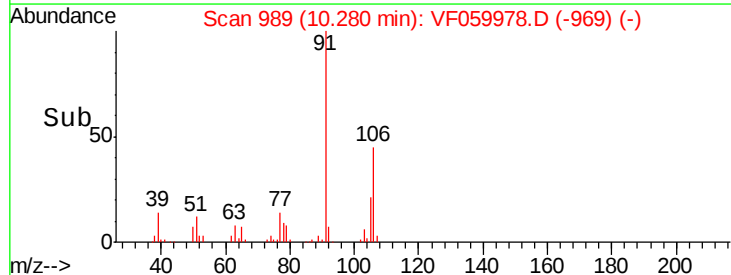
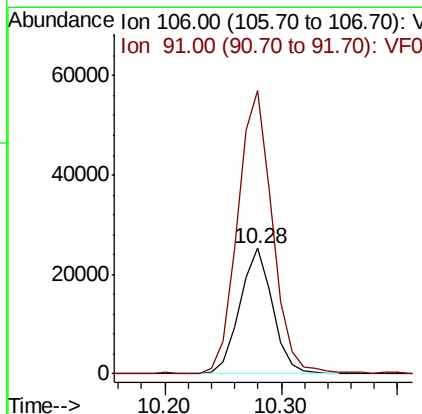
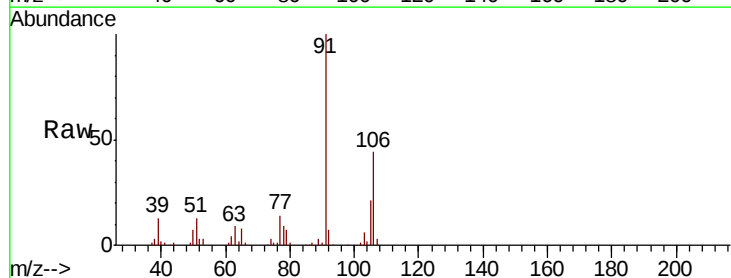
Acq: 17 Aug 2018 17:37

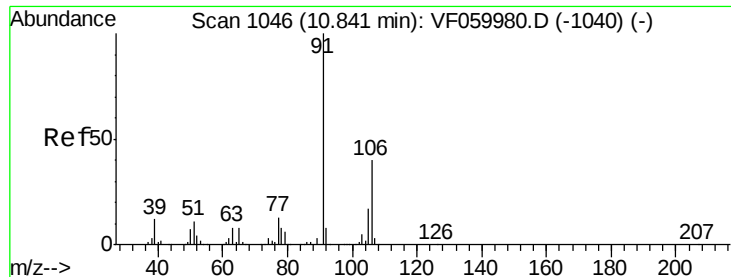
Tgt Ion:106 Resp: 49154

Ion Ratio Lower Upper

106 100

91 225.5 203.5 305.3





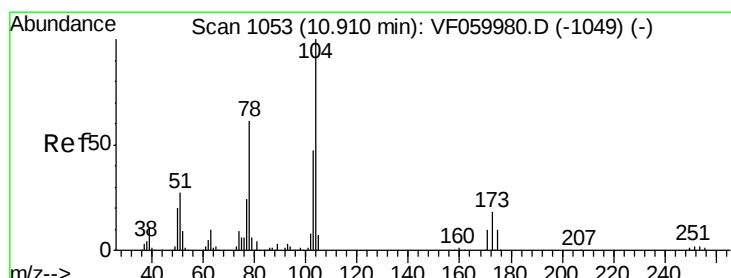
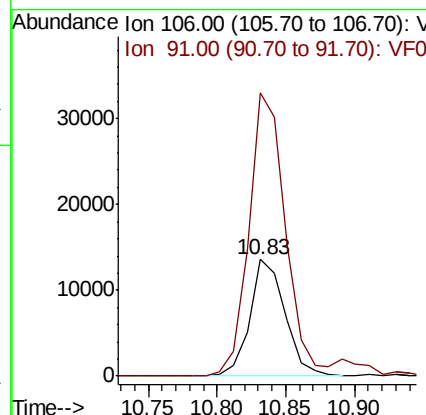
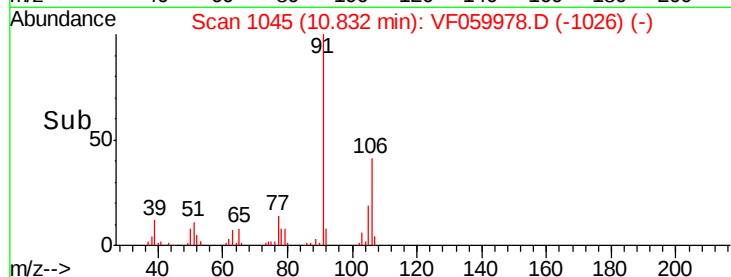
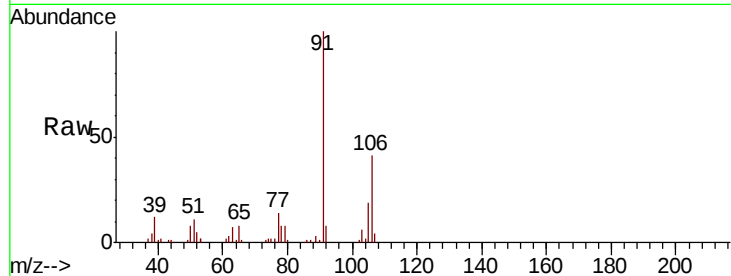
#69
o-Xylene
Concen: 10.19 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 24306
Ion Ratio Lower Upper
106 100
91 242.1 125.4 376.2

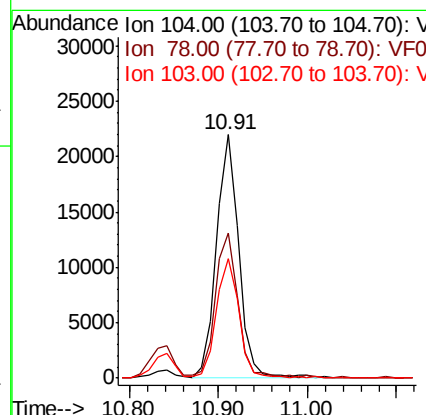
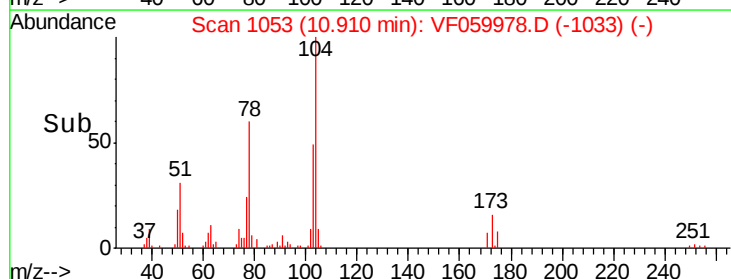
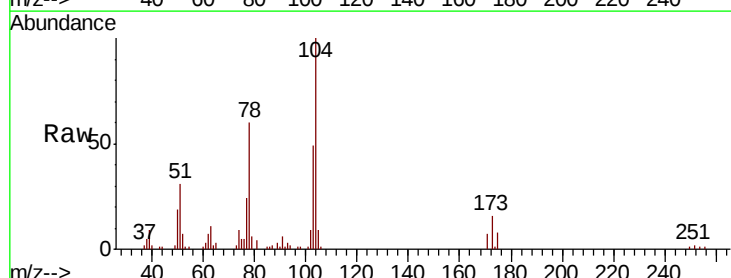
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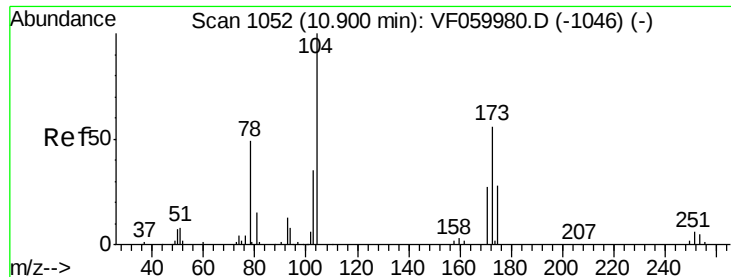
apatel
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#70
Styrene
Concen: 10.13 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion:104 Resp: 38490
Ion Ratio Lower Upper
104 100
78 59.7 49.0 73.6
103 49.0 38.2 57.4





#71

Bromoform

Concen: 10.04 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 12898

Ion Ratio Lower Upper

173 100

175 41.8 24.8 74.3

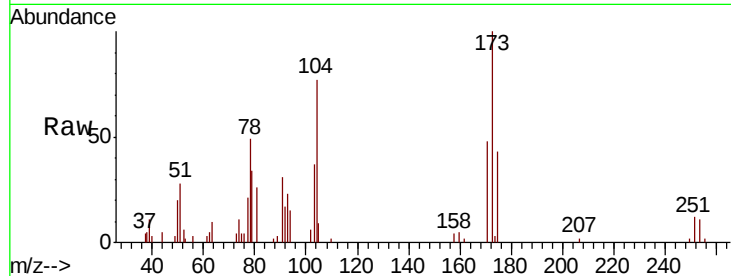
254 0.0 0.0 0.0

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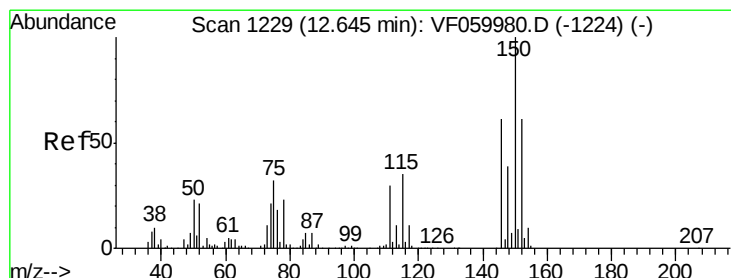
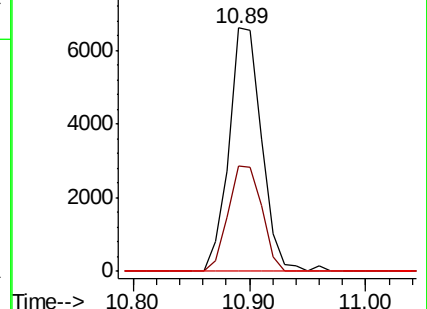
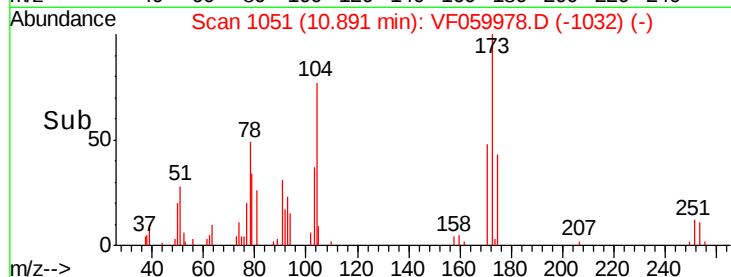
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

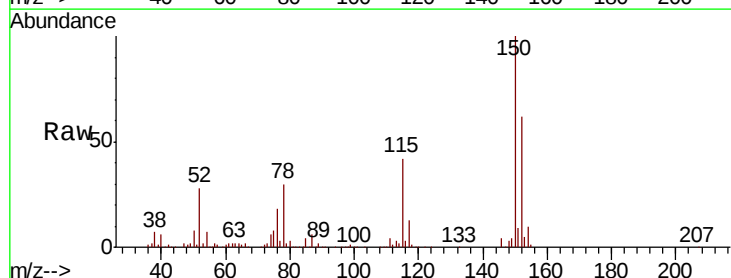
Tgt Ion:152 Resp: 133108

Ion Ratio Lower Upper

152 100

115 69.1 29.1 87.3

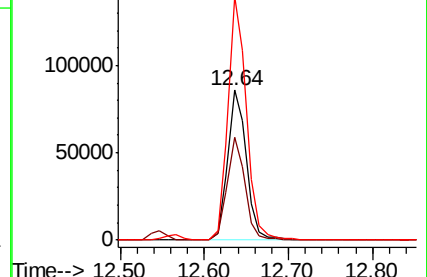
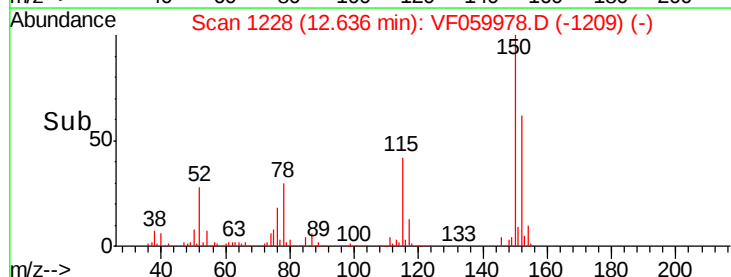
150 162.6 0.0 330.2

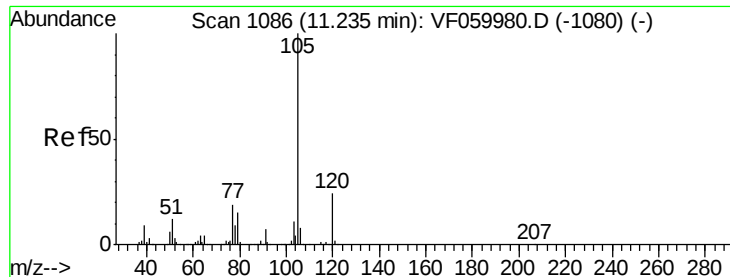


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 10.34 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 82277

Ion Ratio Lower Upper

105 100

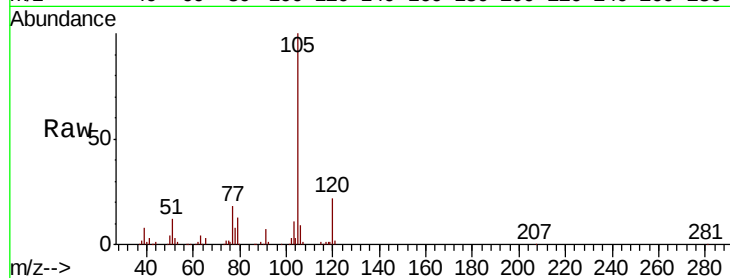
120 22.3 11.9 35.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

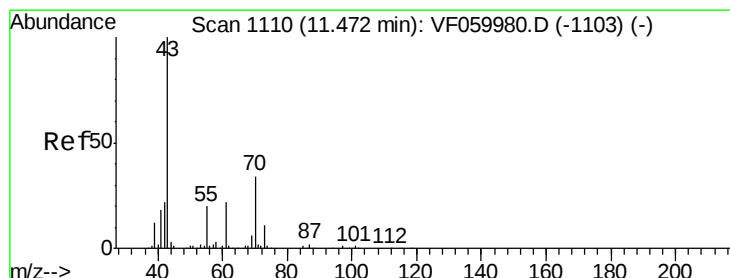
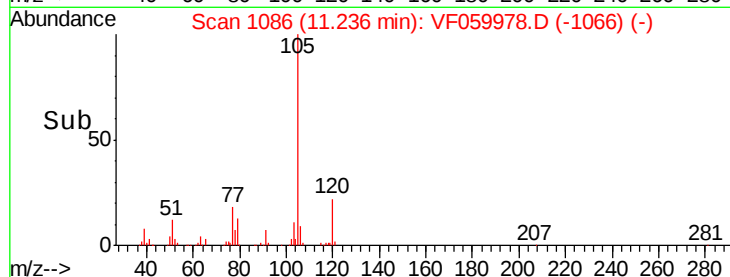
20000

10000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 8.49 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tgt Ion: 43 Resp: 19984

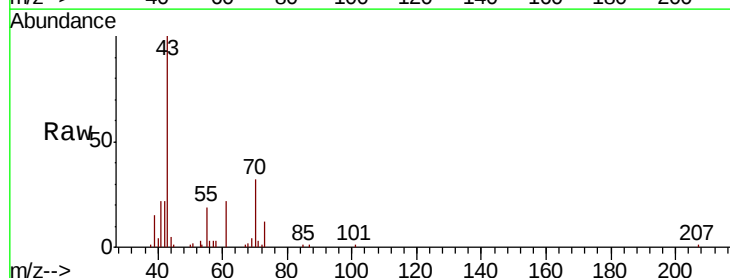
Ion Ratio Lower Upper

43 100

70 31.6 27.2 40.8

55 19.0 16.4 24.6

61 21.7 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

20000

15000

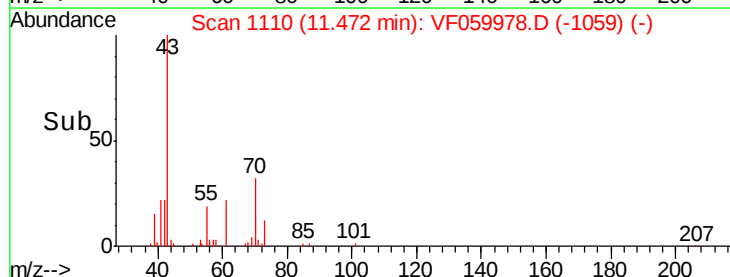
10000

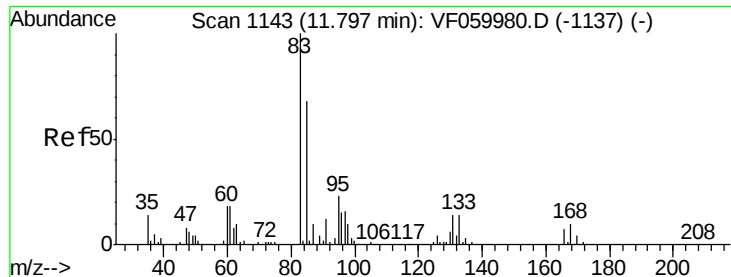
5000

0

11.40 11.45 11.50 11.55

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 9.49 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

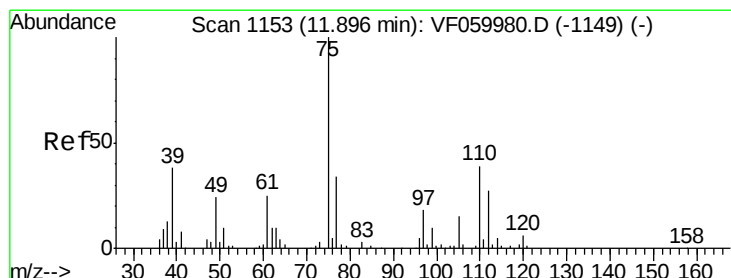
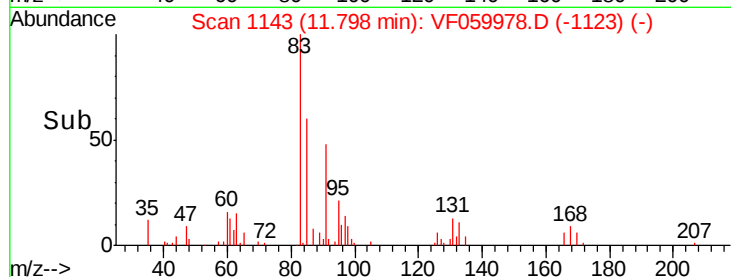
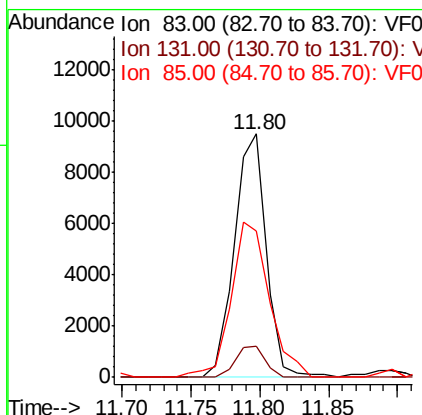
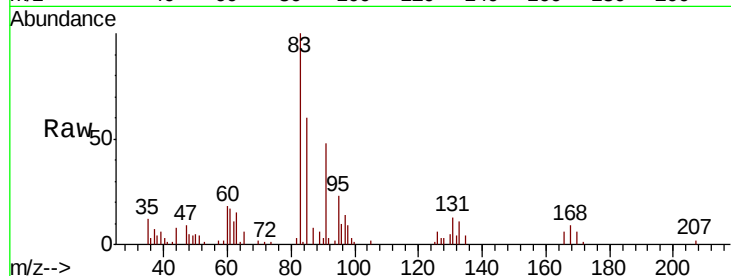
ClientSampleId :

VSTDIC010

Tot Ion	83	Resp	15407
Ion Ratio	100	Lower	Upper
83	100		
131	12.9	7.2	21.6
85	59.4	34.1	102.2

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#76

1,2,3-Trichloropropane

Concen: 9.76 ug/l

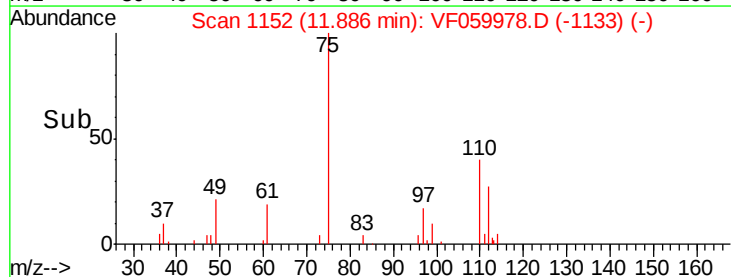
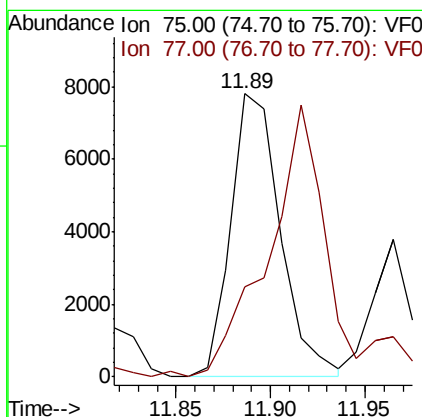
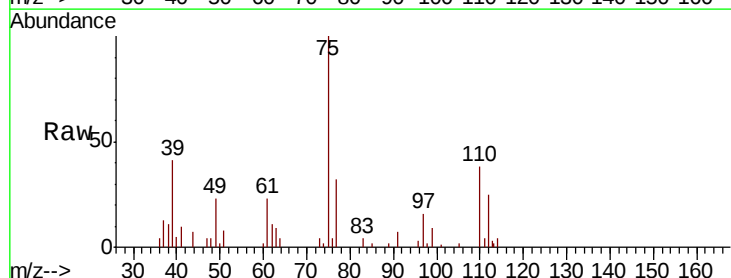
RT: 11.89 min Scan# 1152

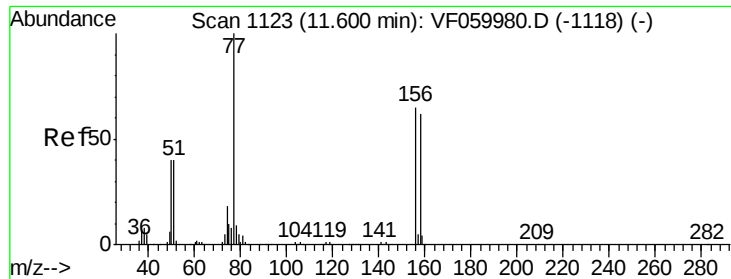
Delta R.T. -0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tgt Ion	75	Resp	14161
Ion Ratio	100	Lower	Upper
75	100		
77	32.0	17.1	51.3





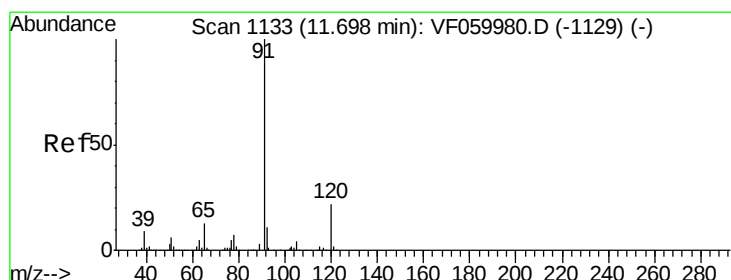
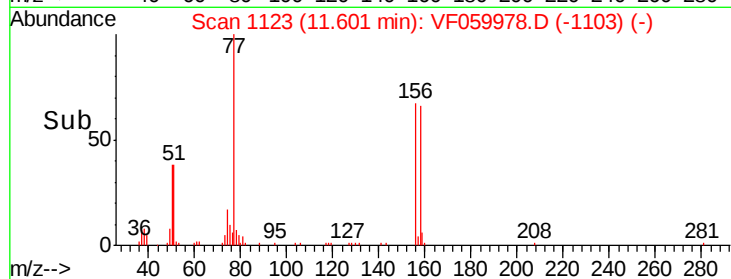
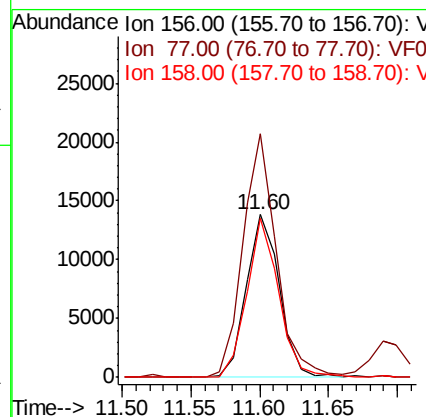
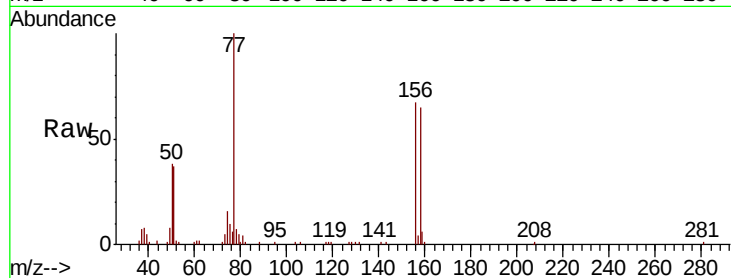
#77
Bromobenzene
Concen: 10.33 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	149.8	76.9	230.7	
158	97.6	47.7	143.1	

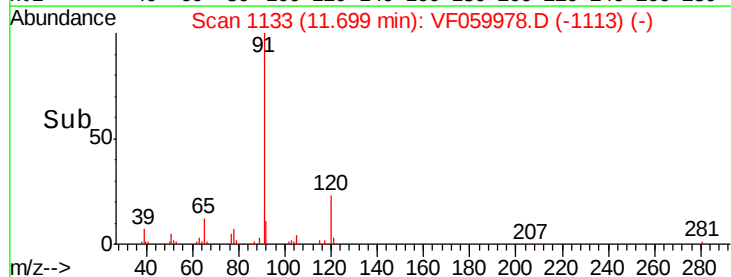
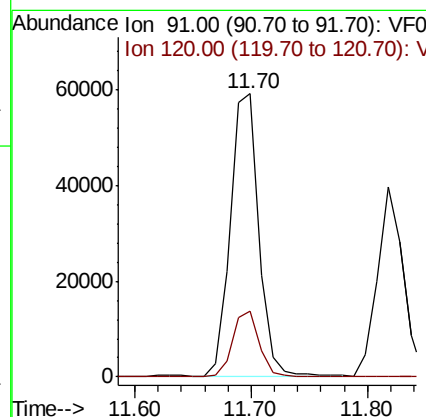
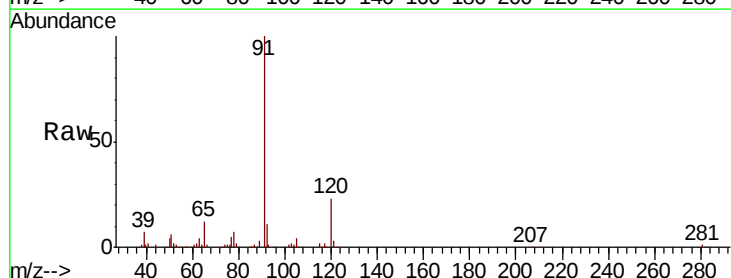
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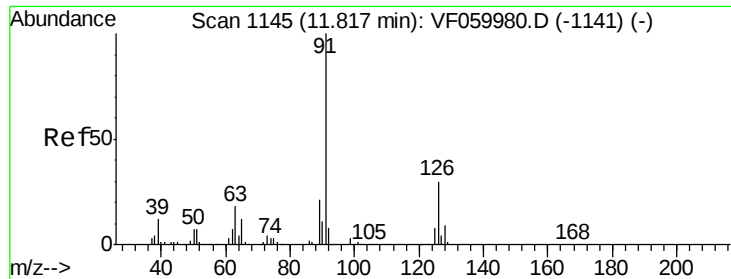
apatel
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#78
n-propylbenzene
Concen: 10.22 ug/l
RT: 11.70 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.2	11.0	33.0	





#79

2-Chlorotoluene

Concen: 10.05 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 60870

Ion Ratio Lower Upper

91 100

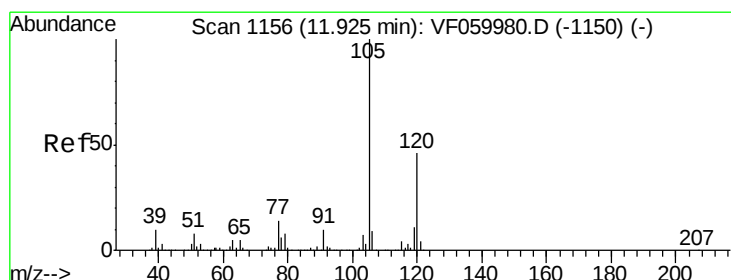
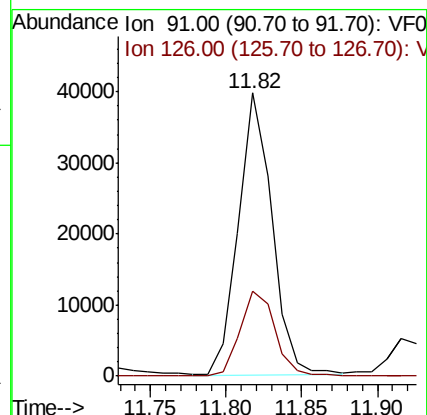
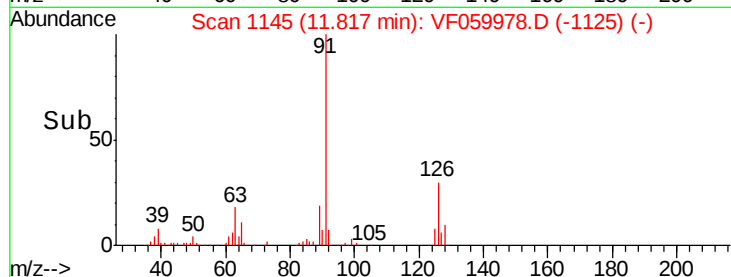
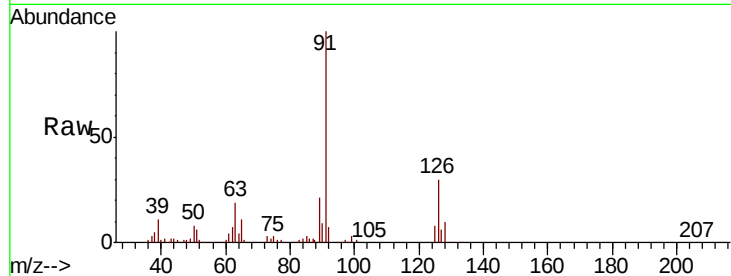
126 29.8 14.7 44.1

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#80

1,3,5-Trimethylbenzene

Concen: 9.92 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF059978.D

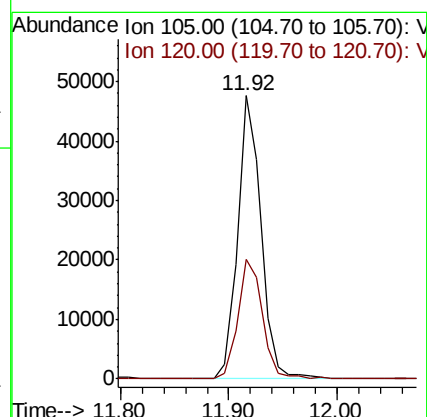
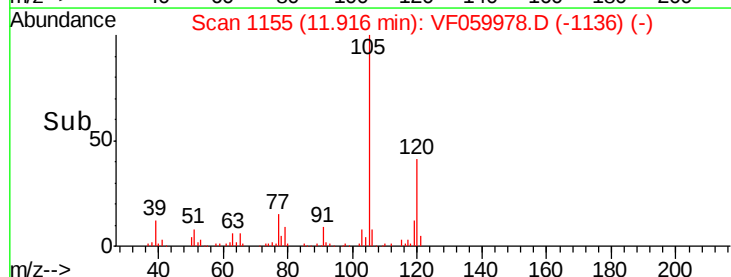
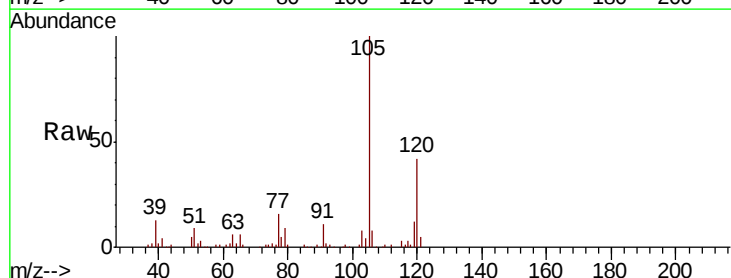
Acq: 17 Aug 2018 17:37

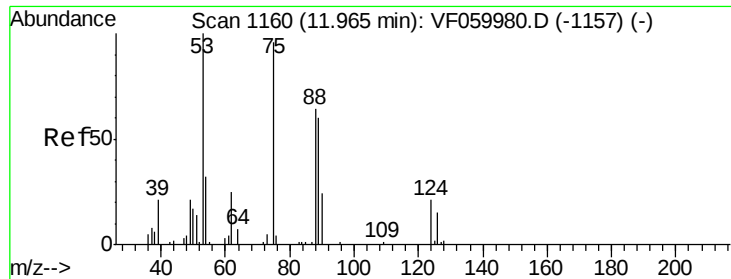
Tgt Ion: 105 Resp: 71480

Ion Ratio Lower Upper

105 100

120 42.1 22.9 68.7





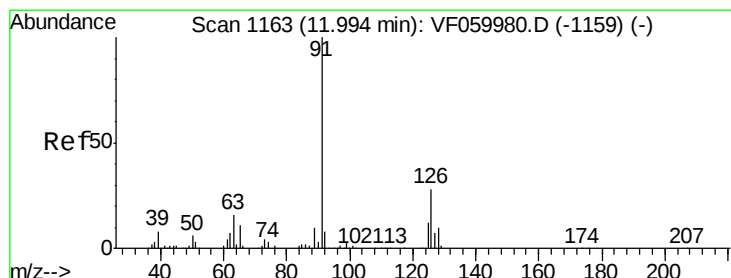
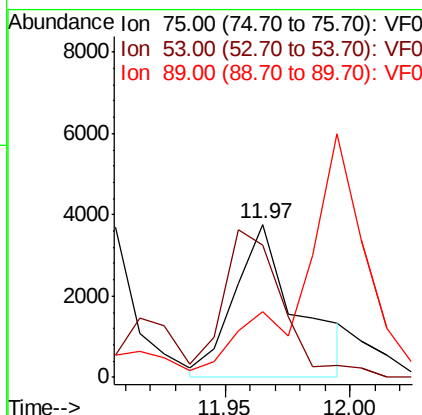
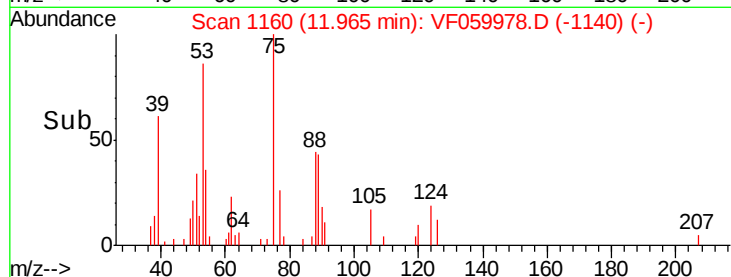
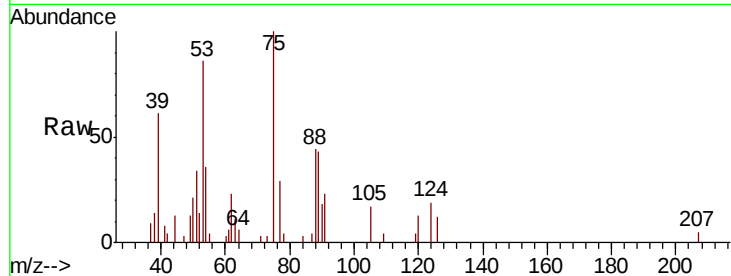
#81
trans-1,4-Dichloro-2-butene
Concen: 8.81 ug/l m
RT: 11.97 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.1	87.4	131.0#
89	43.1	52.8	79.2#

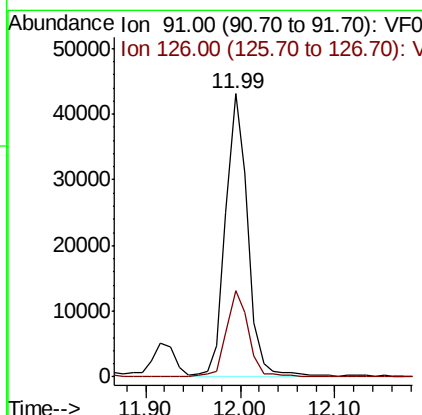
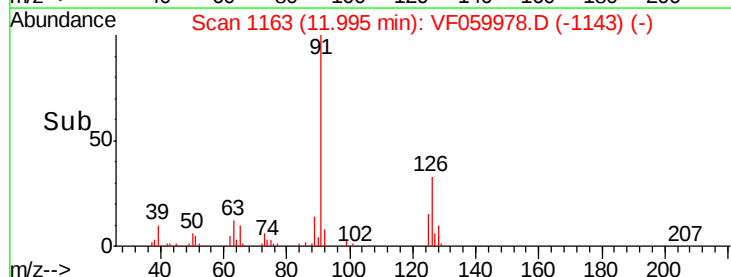
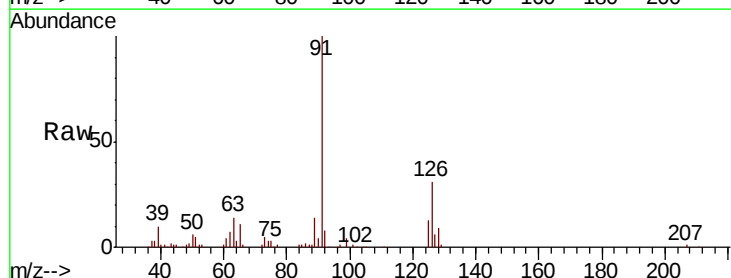
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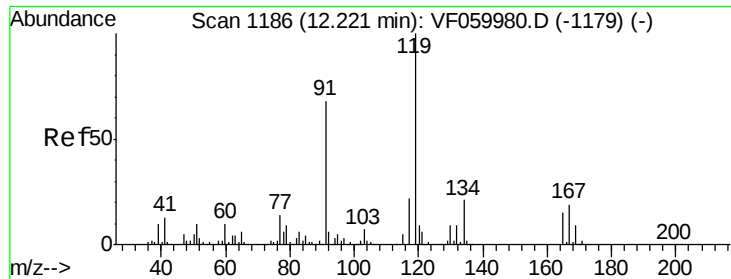
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#82
4-Chlorotoluene
Concen: 10.48 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.1	42.4





#83

tert-Butylbenzene

Concen: 10.33 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Instrument :

MSVOA_F

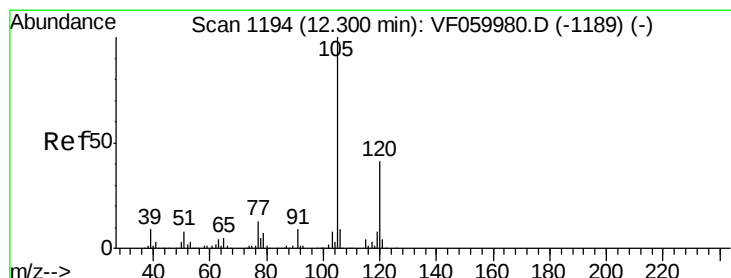
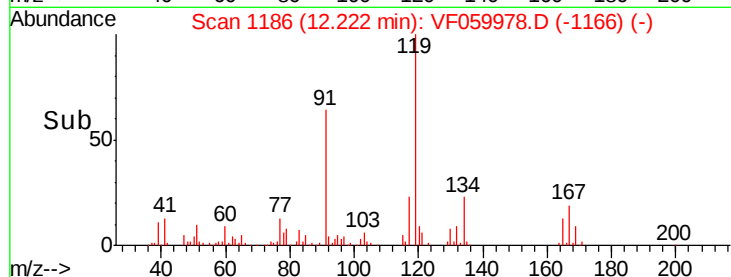
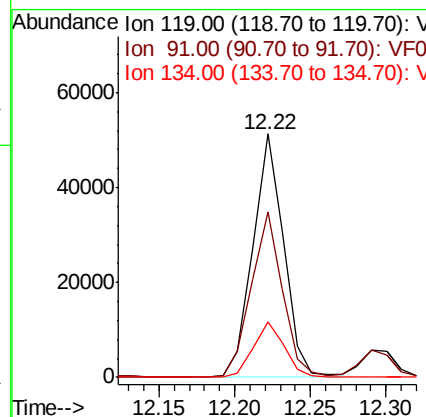
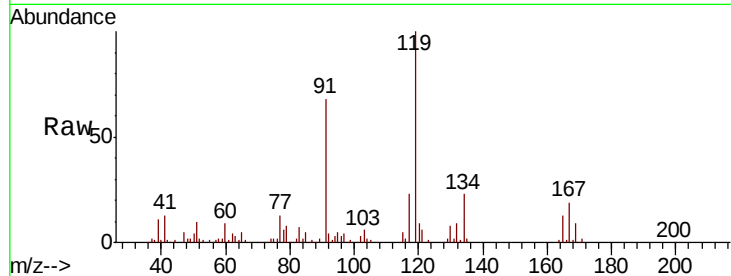
ClientSampleId :

VSTDIC010

Tot Ion:	119	Resp:	73575
Ion Ratio	Lower	Upper	
119	100		
91	67.9	34.1	102.2
134	22.9	10.5	31.6

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#84

1,2,4-Trimethylbenzene

Concen: 10.25 ug/l

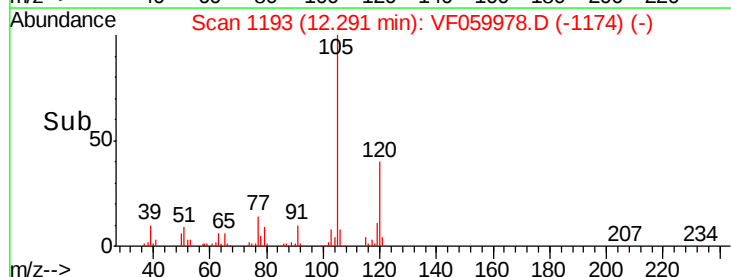
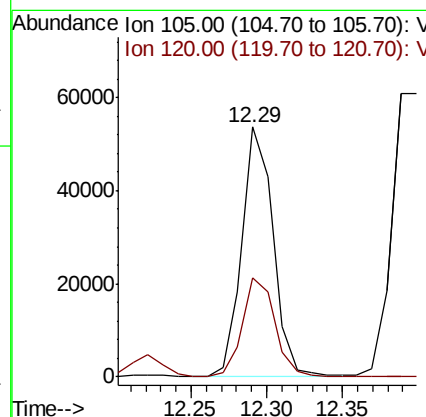
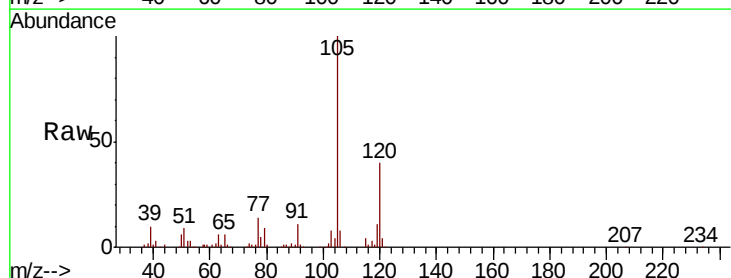
RT: 12.29 min Scan# 1193

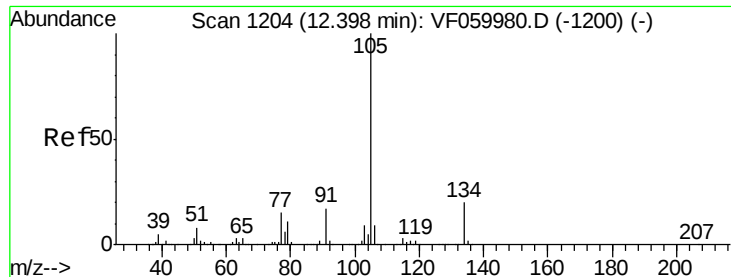
Delta R.T. -0.01 min

Lab File: VF059978.D

Acq: 17 Aug 2018 17:37

Tgt Ion:	105	Resp:	77569
Ion Ratio	Lower	Upper	
105	100		
120	39.6	20.9	62.7





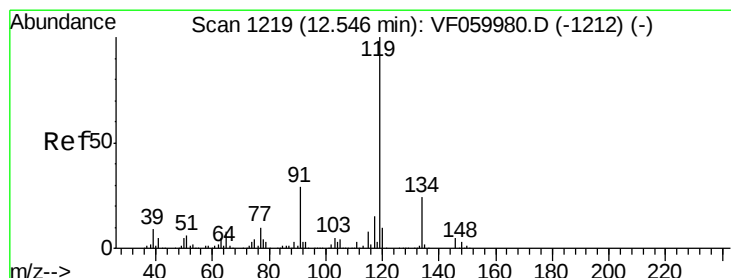
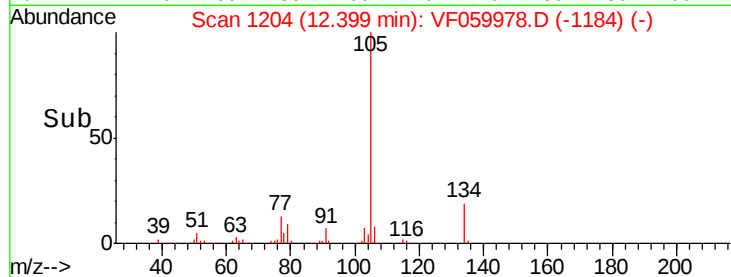
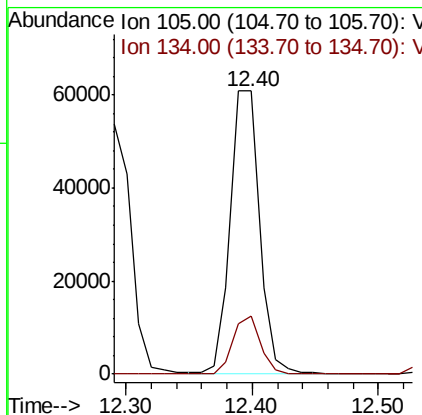
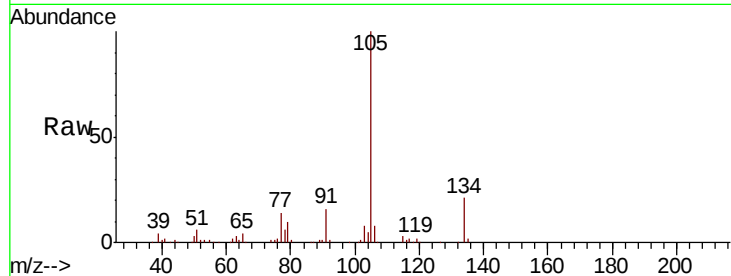
#85
 sec-Butylbenzene
 Concen: 10.54 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	98192		
134	20.6	9.8	29.5	

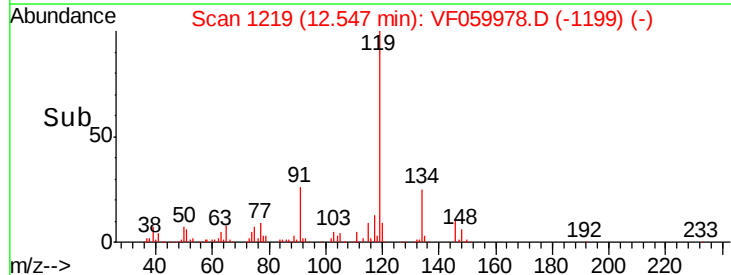
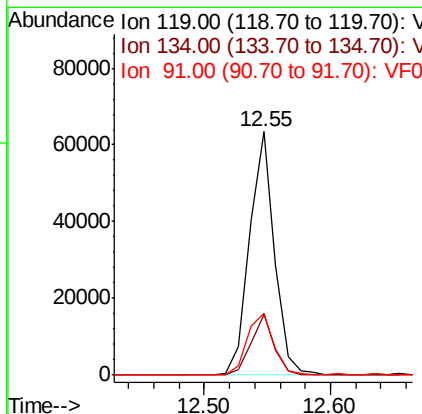
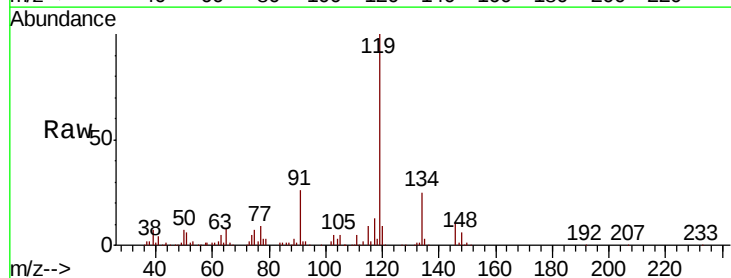
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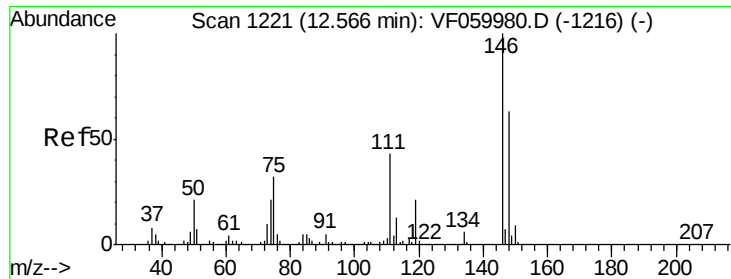
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#86
 p-Isopropyltoluene
 Concen: 10.55 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	86922		
134	25.0	12.1	36.3	
91	25.5	14.4	43.4	





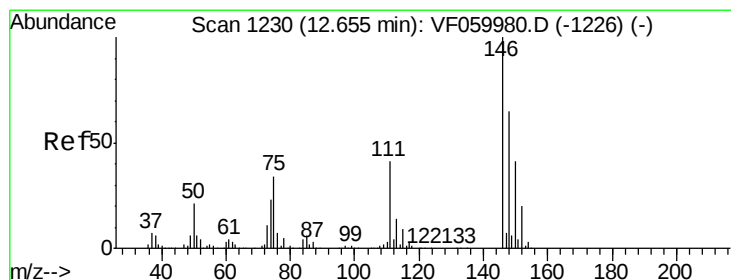
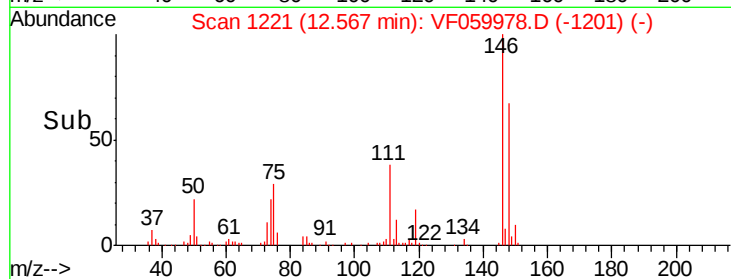
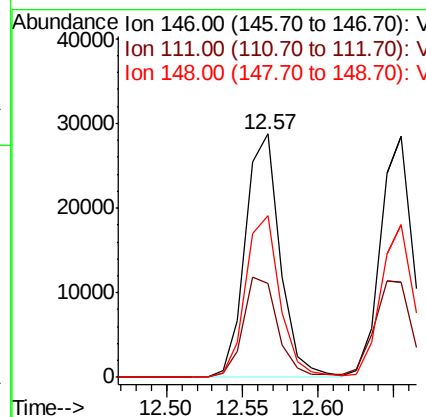
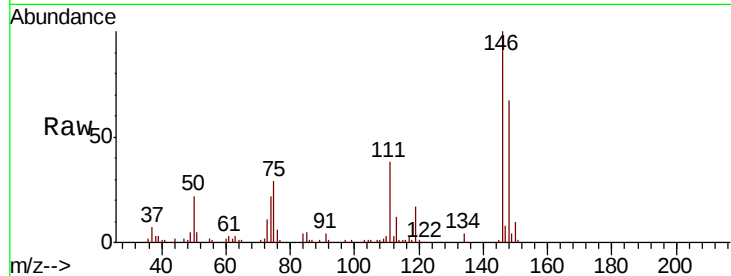
#87
 1,3-Dichlorobenzene
 Concen: 10.85 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	21.3	63.7
148	66.6	31.6	95.0

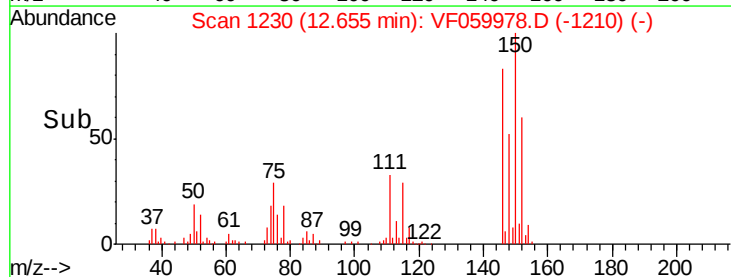
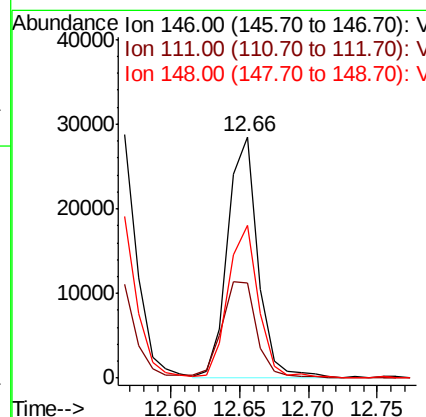
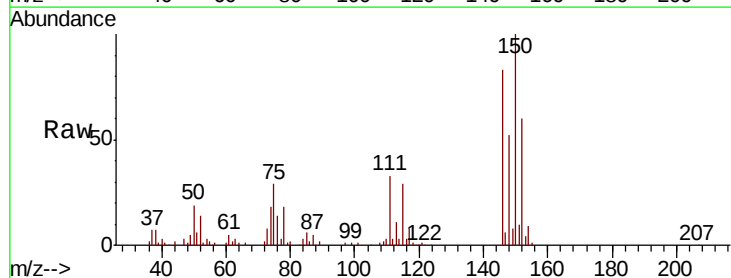
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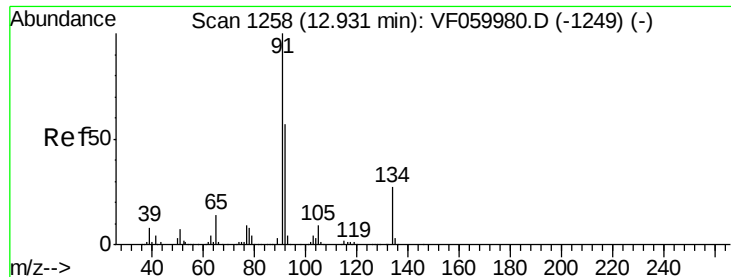
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#88
 1,4-Dichlorobenzene
 Concen: 10.49 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	61.0
148	63.4	32.6	97.8





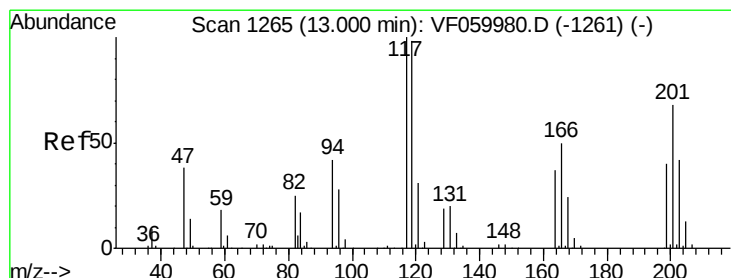
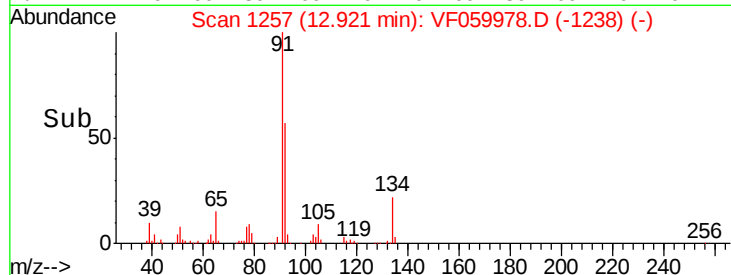
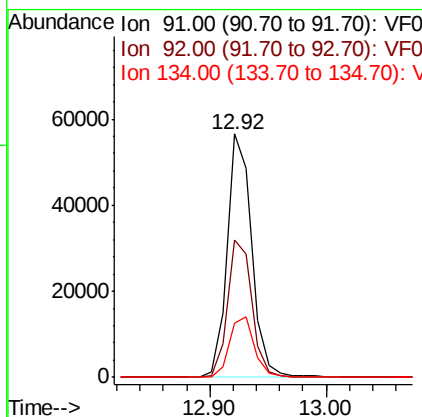
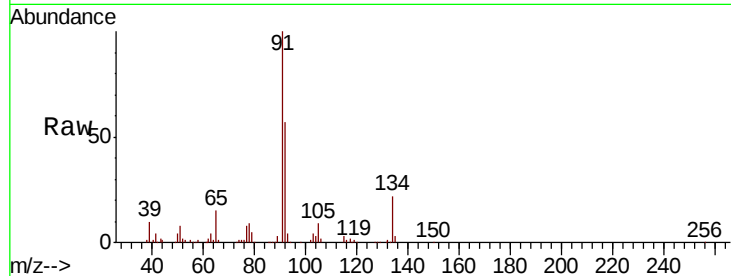
#89
n-Butylbenzene
Concen: 10.35 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.6	28.7	86.3
134	22.1	13.3	39.9

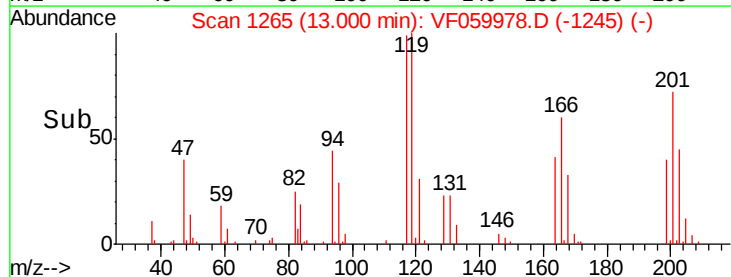
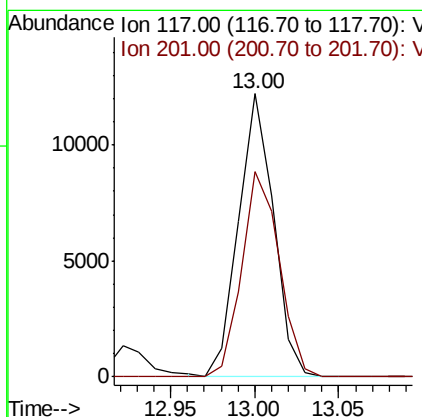
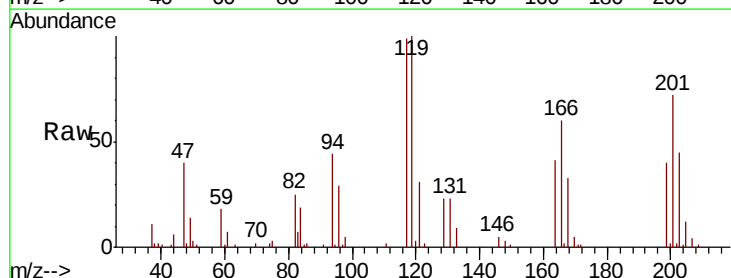
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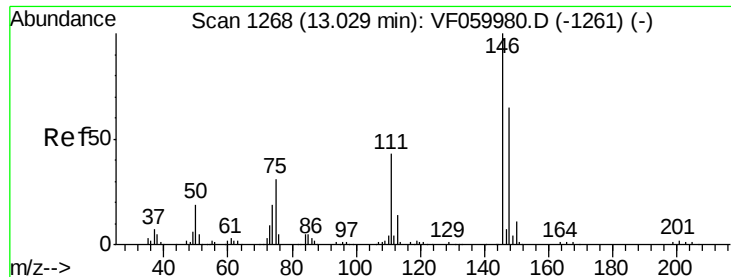
apatel
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#90
Hexachloroethane
Concen: 9.48 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.4	34.5	103.5





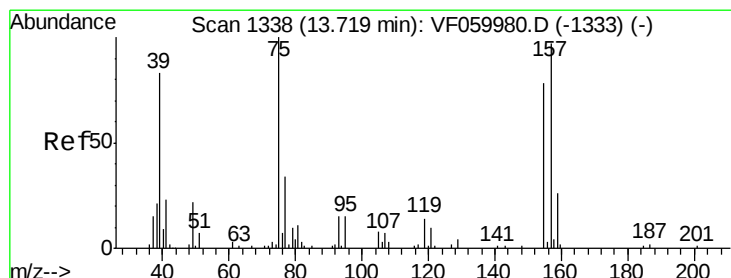
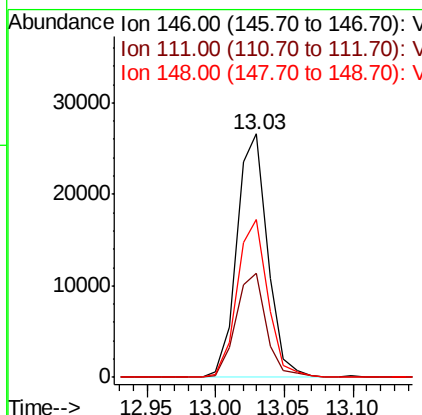
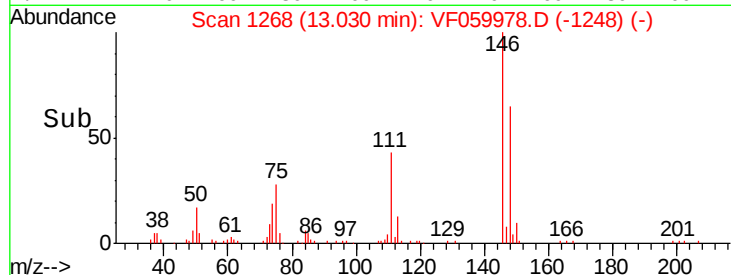
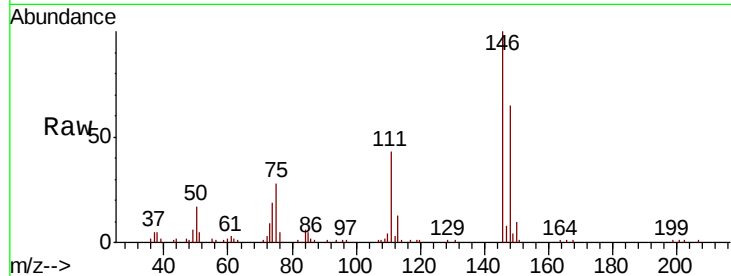
#91
 1,2-Dichlorobenzene
 Concen: 10.14 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.3
148	65.0	32.5	97.4

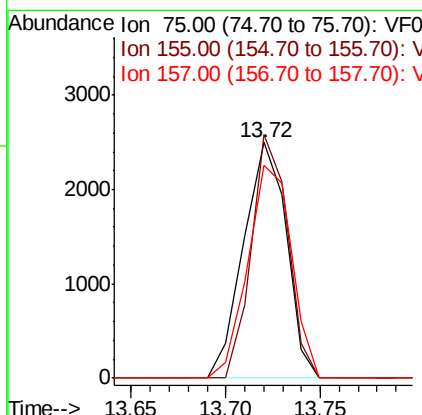
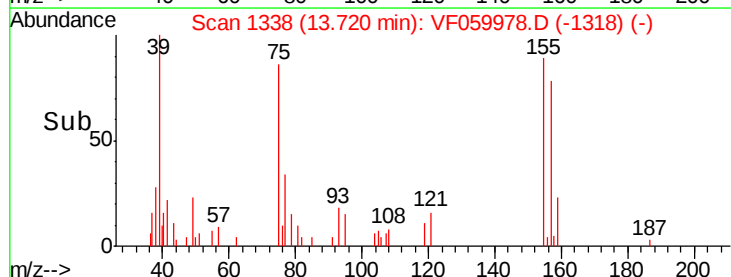
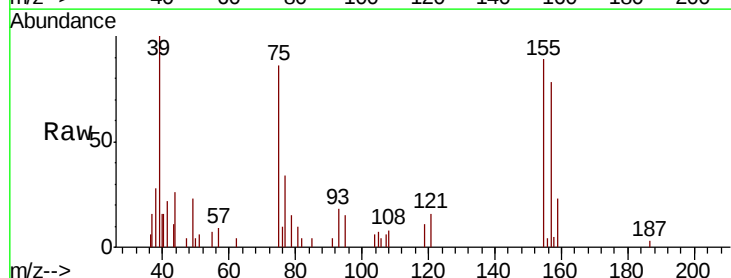
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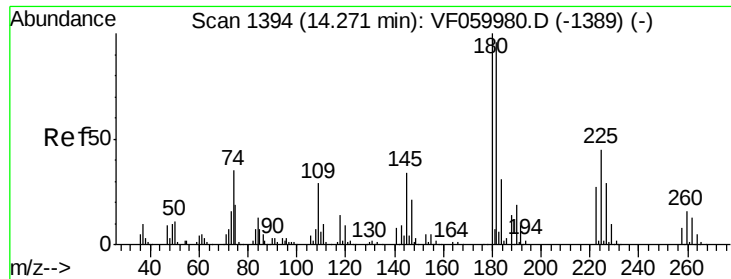
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.55 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.4	38.9	116.7
157	90.5	50.8	152.5





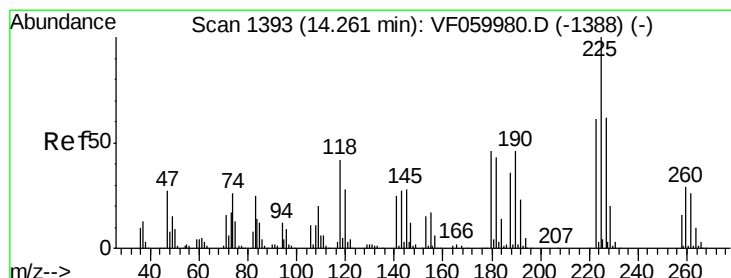
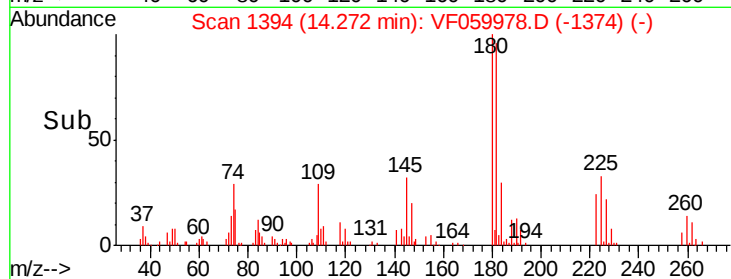
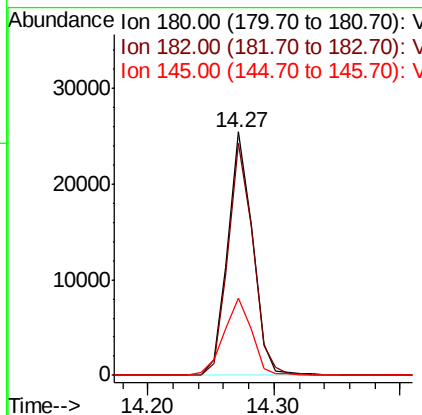
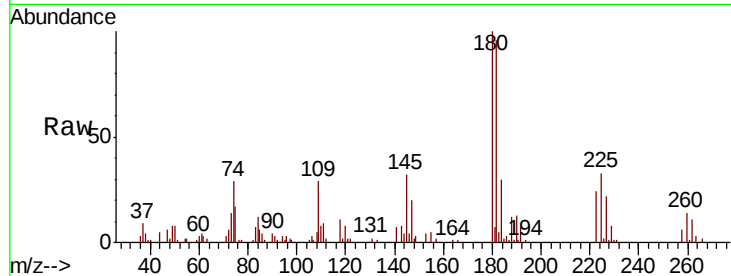
#93
 1,2,4-Trichlorobenzene
 Concen: 10.49 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	34775		
182	95.5	47.9	143.6	
145	31.5	17.2	51.5	

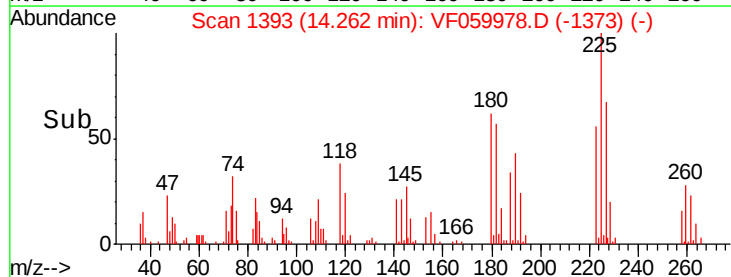
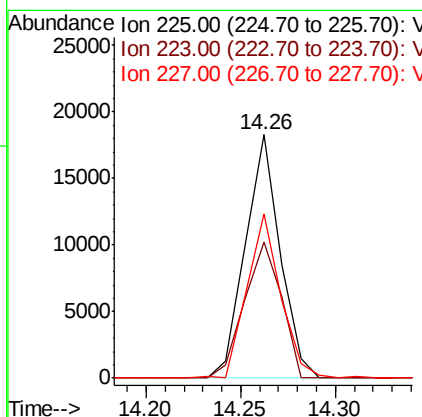
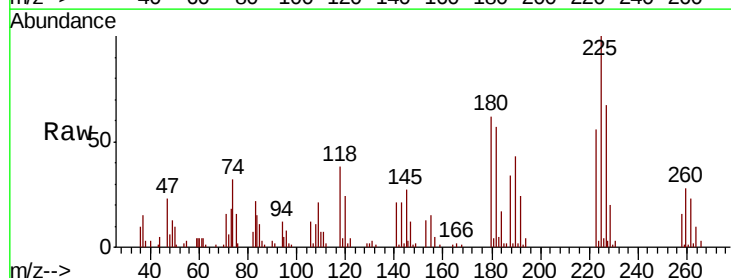
Manual Integrations
 APPROVED

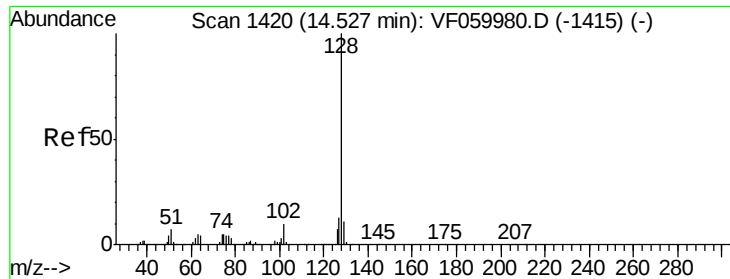
apatel
 8/20/2018 11:47:11 AM



#94
 Hexachlorobutadiene
 Concen: 10.63 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059978.D
 Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23256		
223	55.7	29.1	87.4	
227	67.4	29.8	89.5	





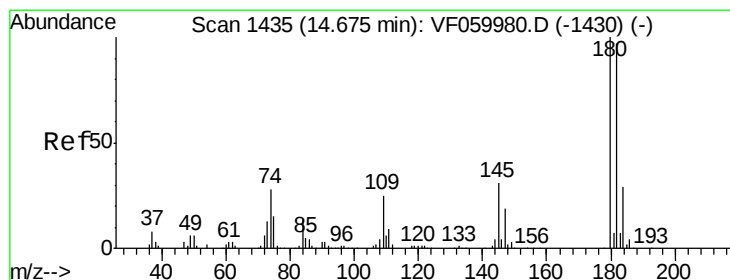
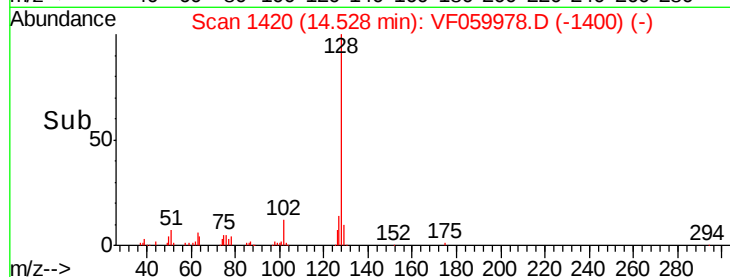
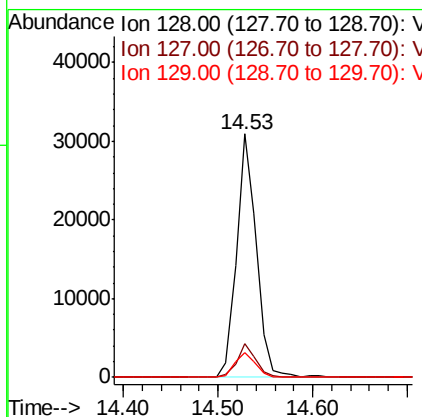
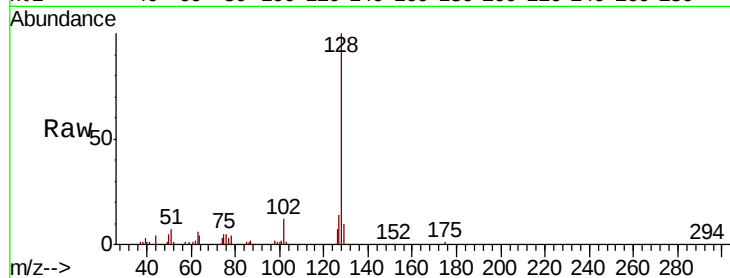
#95
Naphthalene
Concen: 9.31 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.2
129	10.3	9.0	13.4

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 10.21 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059978.D
Acq: 17 Aug 2018 17:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.8	48.5	145.5
145	31.2	15.7	47.1

