

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059984.D
 Acq On : 17 Aug 2018 20:51
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF081718

Manual Integrations
 APPROVED

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 8/20/2018 11:48:39 AM

Quant Time: Aug 18 01:15:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	137657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	196619	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	198998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	131240	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	125971	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	4.30	113	101435	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	7.72	98	227707	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.51	95	130928	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.96	85	103493	44.32	ug/l	97
3) Chloromethane	1.08	50	51386	47.13	ug/l	96
4) Vinyl Chloride	1.12	62	69701	49.99	ug/l	91
5) Bromomethane	1.32	94	56311	45.34	ug/l	98
6) Chloroethane	1.40	64	32524	44.93	ug/l	93
7) Trichlorofluoromethane	1.49	101	177884	44.45	ug/l	100
8) Diethyl Ether	1.70	74	30813	52.19	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.86	101	84104	44.83	ug/l	95
10) Methyl Iodide	1.93	142	105717	44.66	ug/l	98
11) Tert butyl alcohol	2.69	59	41123	265.55	ug/l #	92
12) 1,1-Dichloroethene	1.83	96	61639	47.64	ug/l	94
13) Acrolein	2.10	56	24865	252.72	ug/l	96
14) Allyl chloride	2.20	41	97608	44.46	ug/l #	94
15) Acrylonitrile	3.08	53	51169	204.35	ug/l	97
16) Acetone	2.34	43	151297	203.29	ug/l	100
17) Carbon Disulfide	1.84	76	183584	44.64	ug/l	98
18) Methyl Acetate	2.45	43	59109	43.00	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	197152	46.30	ug/l	95
20) Methylene Chloride	2.28	84	71859	48.63	ug/l	94
21) trans-1,2-Dichloroethene	2.41	96	66753	48.06	ug/l	93
22) Diisopropyl ether	2.93	45	187943	40.03	ug/l #	98
23) Vinyl Acetate	3.34	43	486834	257.52	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	137853	44.77	ug/l	99
25) 2-Butanone	4.51	43	147549	229.70	ug/l	95
26) 2,2-Dichloropropane	3.76	77	129654	47.53	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	62605	49.29	ug/l	90
28) Bromochloromethane	3.90	49	39685	44.92	ug/l	97
29) Tetrahydrofuran	4.25	42	55763	243.24	ug/l	99
30) Chloroform	4.04	83	172302	48.40	ug/l	100
31) Cyclohexane	3.86	56	68569	48.64	ug/l #	96
32) 1,1,1-Trichloroethane	4.29	97	161565	46.50	ug/l	98
36) 1,1-Dichloropropene	4.46	75	101090	45.14	ug/l	97
37) Ethyl Acetate	4.30	43	56600	45.73	ug/l	98
38) Carbon Tetrachloride	4.18	117	149012	46.39	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	83137	49.49	ug/l	95
40) Benzene	4.82	78	188310	49.68	ug/l	99
41) Methacrylonitrile	4.93	41	29194	49.26	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	140153	43.60	ug/l	100
43) Isopropyl Acetate	7.11	43	64995	47.70	ug/l #	86
44) Trichloroethene	5.69	130	69456	46.95	ug/l	85
45) 1,2-Dichloropropane	6.42	63	52958	48.84	ug/l	95
46) Dibromomethane	6.26	93	50556	47.28	ug/l	93
47) Bromodichloromethane	6.55	83	134586	46.62	ug/l	99
48) Methyl methacrylate	6.88	41	48685	48.01	ug/l #	89
49) 1,4-Dioxane	6.87	88	8596	967.82	ug/l #	74
51) 4-Methyl-2-Pentanone	8.41	43	304989	239.65	ug/l	99
52) Toluene	7.79	92	130615	46.04	ug/l	94
53) t-1,3-Dichloropropene	8.44	75	112825	46.33	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	114814	48.84	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	55128	48.44	ug/l	98
56) Ethyl methacrylate	8.77	69	66336	50.31	ug/l	96
57) 1,3-Dichloropropane	9.01	76	98316	48.47	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	29787	269.34	ug/l	100
59) 2-Hexanone	9.64	43	241453	229.77	ug/l	99
60) Dibromochloromethane	8.87	129	97722	46.99	ug/l	100
61) 1,2-Dibromoethane	9.15	107	67152	47.29	ug/l	91
64) Tetrachloroethene	8.32	164	70059	46.20	ug/l	90
65) Chlorobenzene	9.94	112	185801	47.31	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	84653	46.85	ug/l	96
67) Ethyl Benzene	10.04	91	340549	47.76	ug/l	100
68) m/p-Xylenes	10.28	106	226656	91.74	ug/l	93
69) o-Xylene	10.83	106	126167	49.81	ug/l	97
70) Styrene	10.91	104	193918	47.79	ug/l	98
71) Bromoform	10.89	173	65214	48.81	ug/l	97
73) Isopropylbenzene	11.24	105	403780	51.32	ug/l	99
74) N-amyl acetate	11.47	43	115467	51.72	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	74715	48.37	ug/l	92
76) 1,2,3-Trichloropropane	11.90	75	64598	47.21	ug/l	97
77) Bromobenzene	11.60	156	110904	50.54	ug/l	94
78) n-propylbenzene	11.70	91	461171	47.22	ug/l	99
79) 2-Chlorotoluene	11.82	91	285313	48.08	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	345300	48.54	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	28740m	49.77	ug/l	
82) 4-Chlorotoluene	11.99	91	318368	49.03	ug/l	97
83) tert-Butylbenzene	12.22	119	355181	50.82	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	362845	48.44	ug/l	98
85) sec-Butylbenzene	12.39	105	440766	47.71	ug/l	95
86) p-Isopropyltoluene	12.55	119	401846	49.18	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	199830	47.71	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	204309	49.82	ug/l	98
89) n-Butylbenzene	12.92	91	388950	49.26	ug/l	97
90) Hexachloroethane	13.00	117	92217	50.10	ug/l	96
91) 1,2-Dichlorobenzene	13.03	146	196802	49.09	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	21436	50.18	ug/l	95

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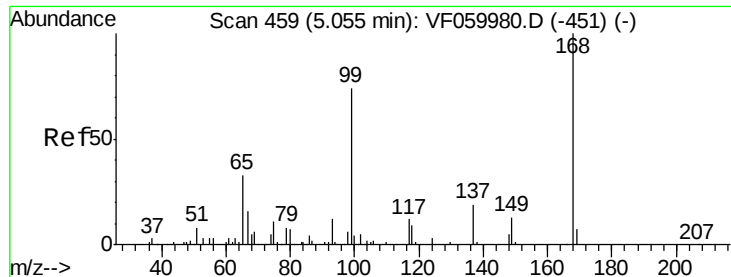
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	156274	47.77	ug/l	99
94) Hexachlorobutadiene	14.26	225	105474	48.13	ug/l	93
95) Naphthalene	14.53	128	208862	45.36	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	149078	47.26	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tot Ion:168 Resp: 137657

Ion Ratio Lower Upper

168 100

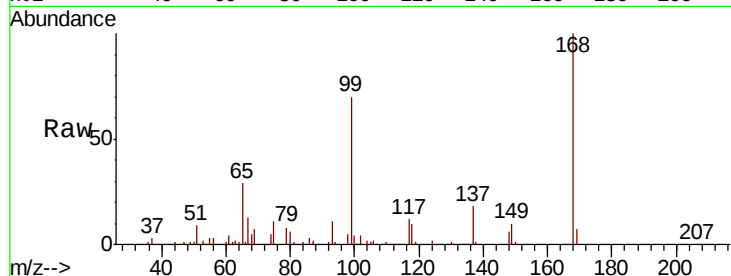
99 70.4 59.0 88.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

40000

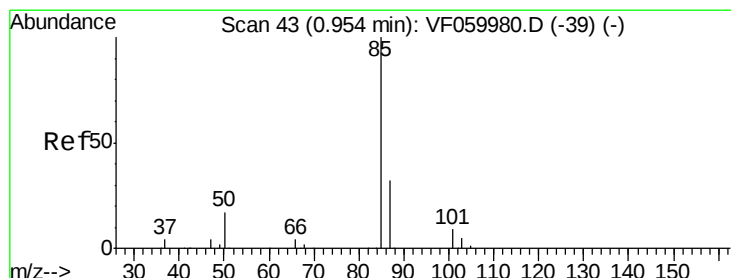
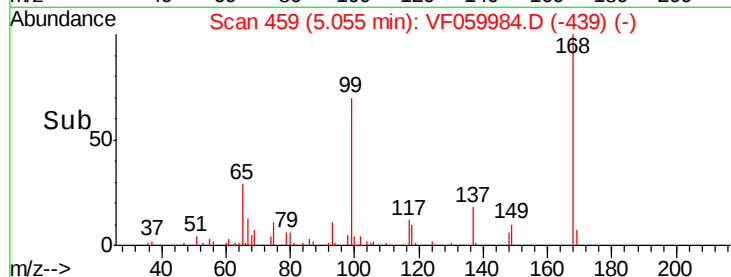
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.32 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.01 min

Lab File: VF059984.D

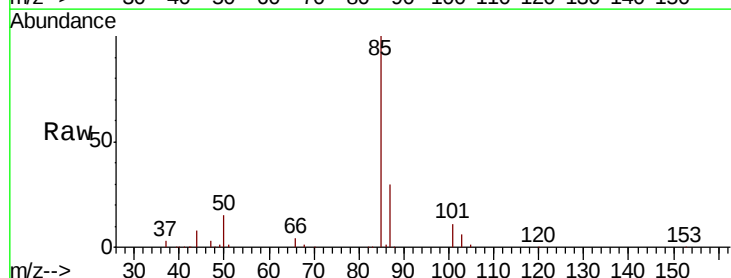
Acq: 17 Aug 2018 20:51

Tgt Ion: 85 Resp: 103493

Ion Ratio Lower Upper

85 100

87 30.3 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

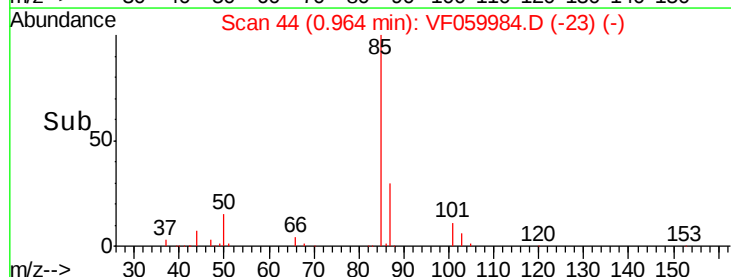
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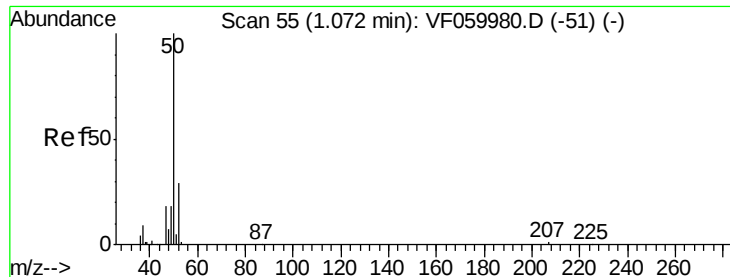
40000

20000

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Time-->





#3

Chloromethane

Concen: 47.13 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tot Ion: 50 Resp: 51386

Ion Ratio Lower Upper

50 100

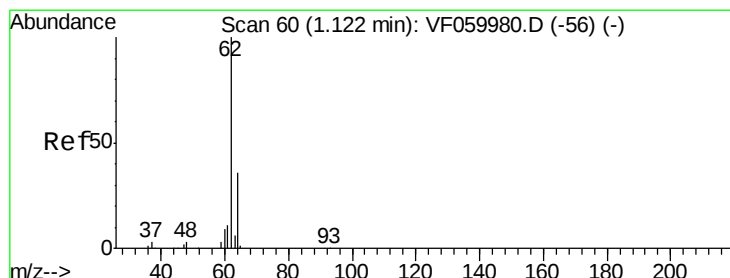
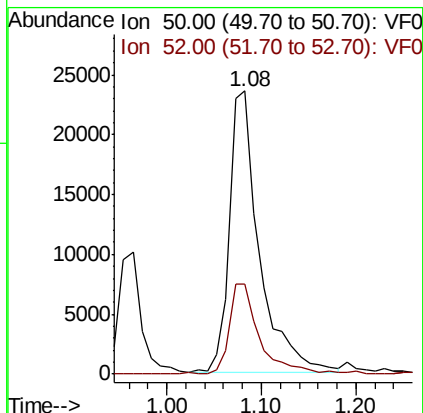
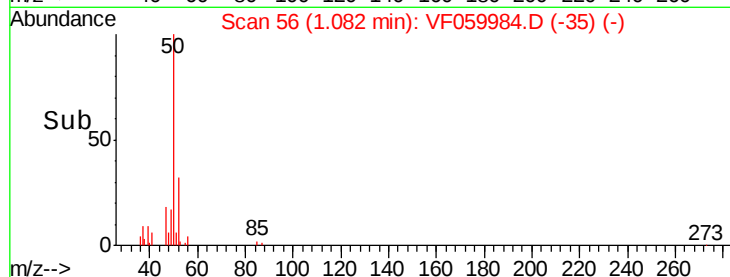
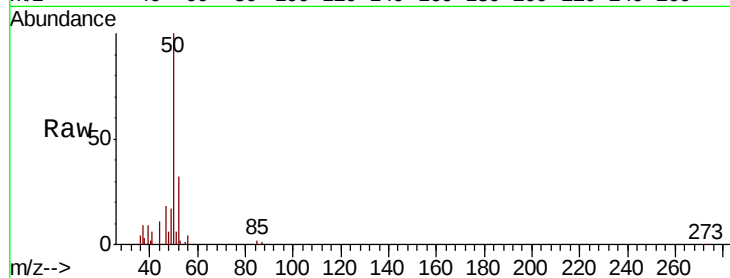
52 31.9 23.6 35.4

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#4

Vinyl Chloride

Concen: 49.99 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF059984.D

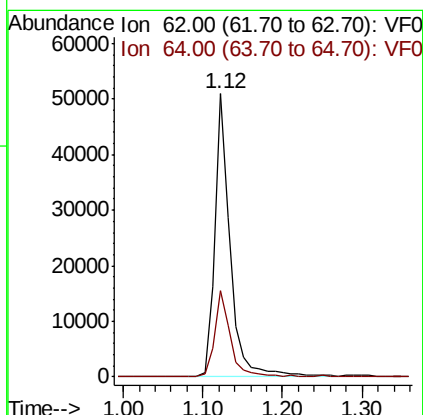
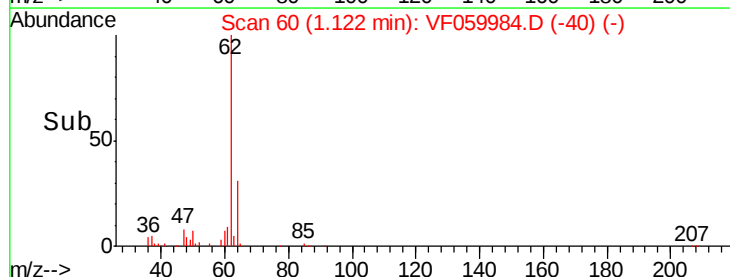
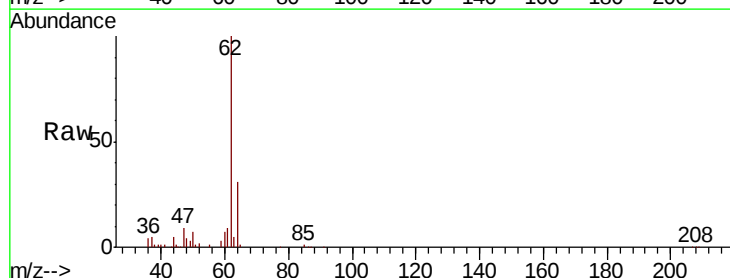
Acq: 17 Aug 2018 20:51

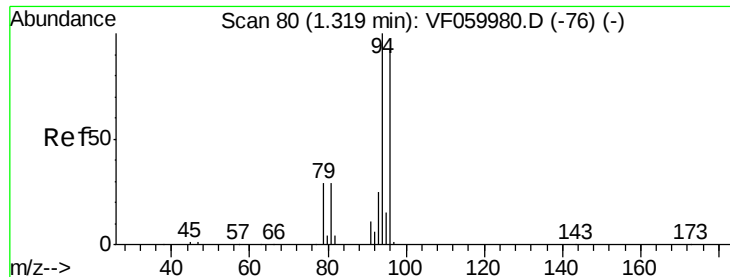
Tgt Ion: 62 Resp: 69701

Ion Ratio Lower Upper

62 100

64 30.6 28.7 43.1





#5

Bromomethane

Concen: 45.34 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

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Tot Ion: 94 Resp: 56311

Ion Ratio Lower Upper

94 100

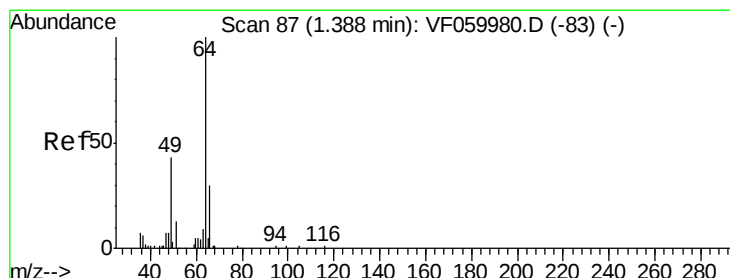
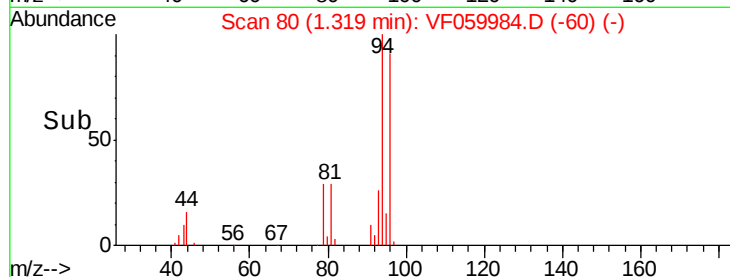
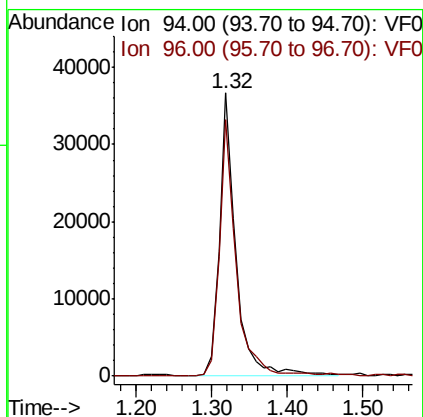
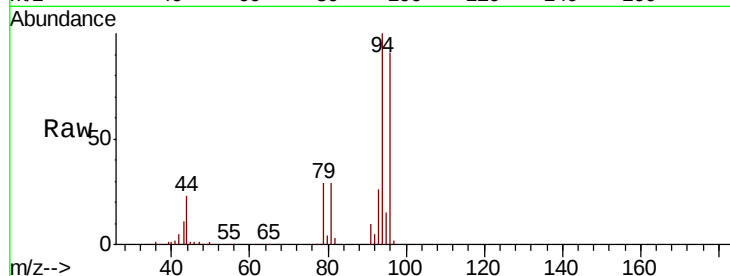
96 90.5 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 44.93 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF059984.D

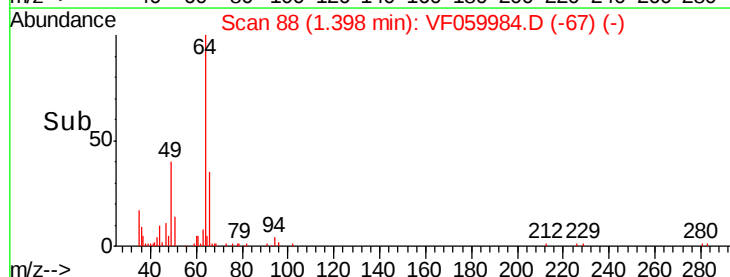
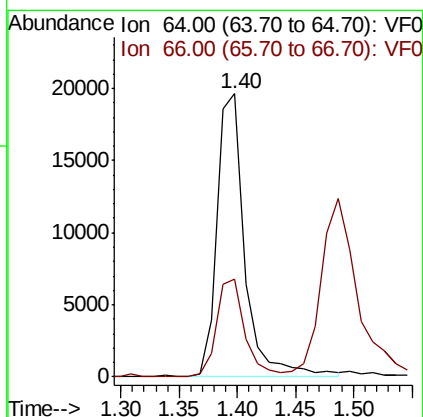
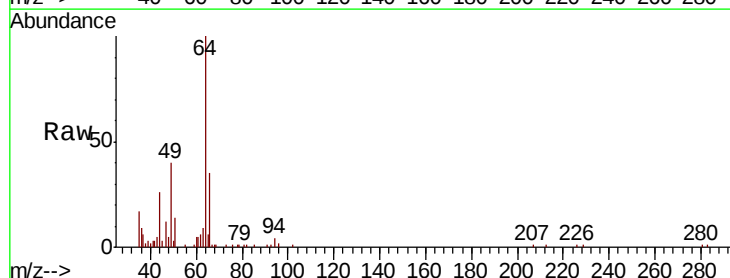
Acq: 17 Aug 2018 20:51

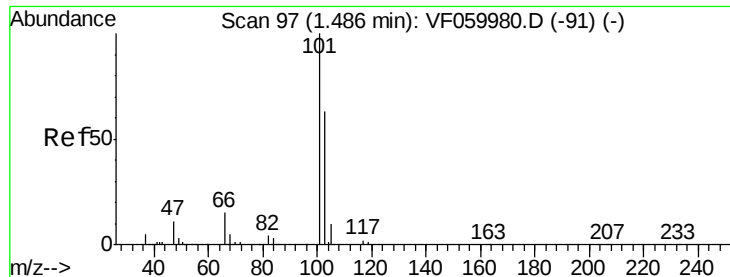
Tgt Ion: 64 Resp: 32524

Ion Ratio Lower Upper

64 100

66 34.6 24.4 36.6





#7

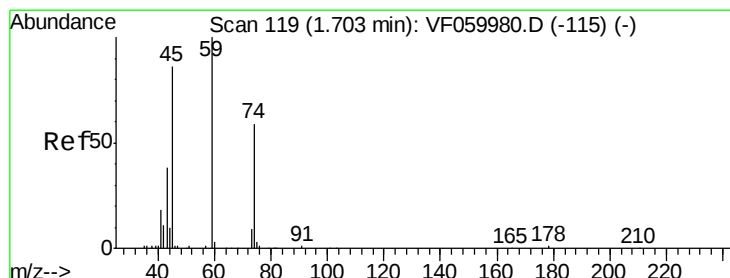
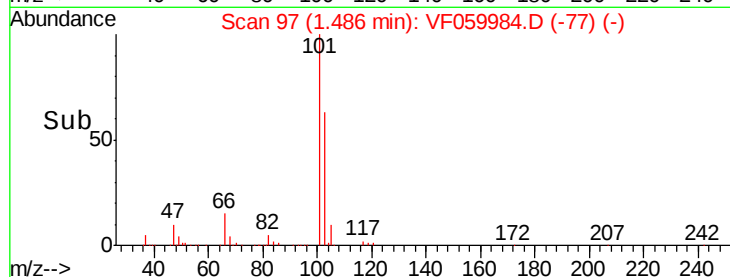
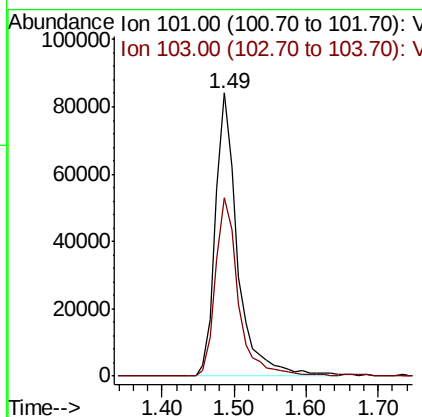
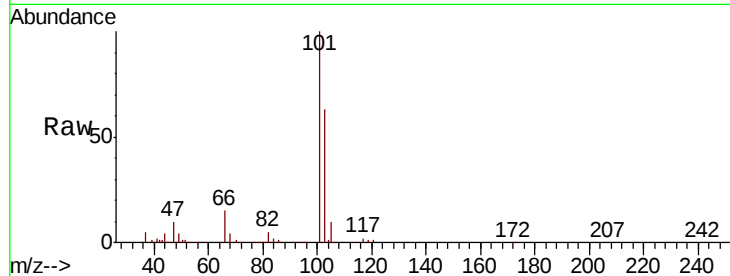
Trichlorofluoromethane
 Concen: 44.45 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Instrument :
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 ClientSampleId :
 ICVVF081718

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	50.8	76.2

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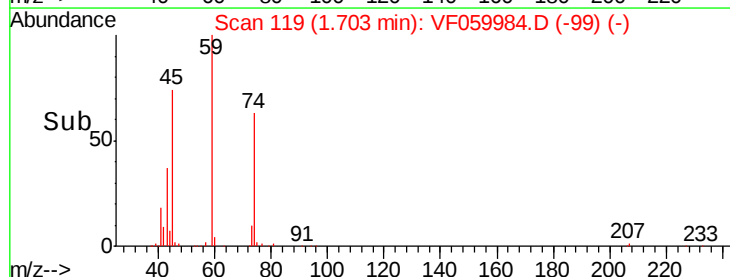
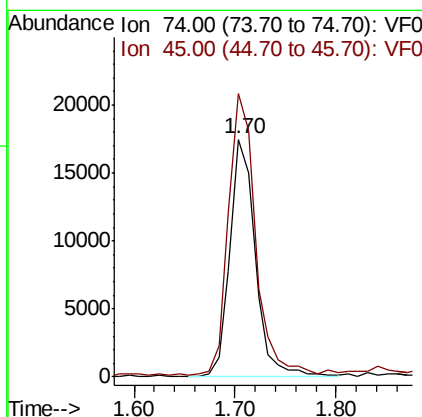
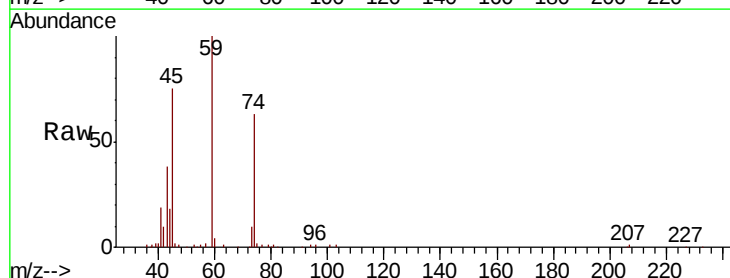
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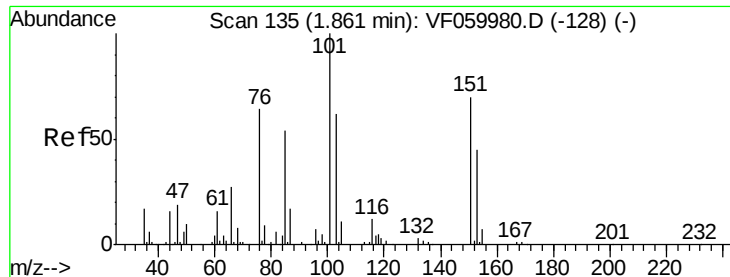


#8

Diethyl Ether
 Concen: 52.19 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.3	73.5	220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.83 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

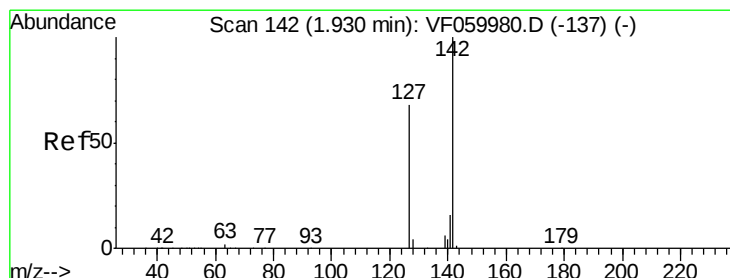
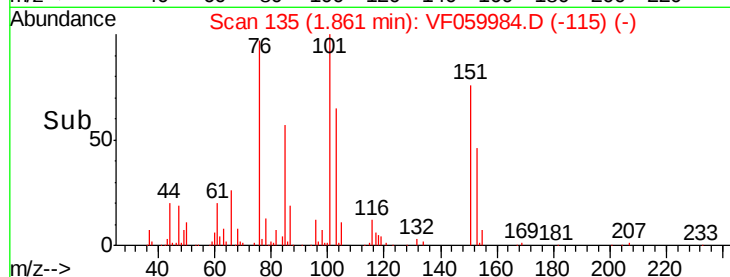
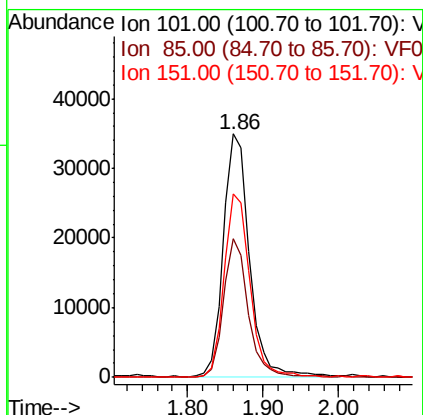
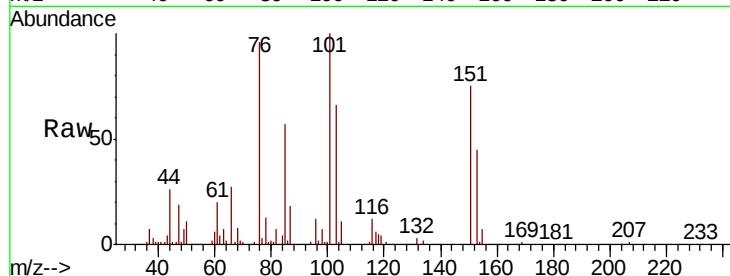
ClientSampleId :

ICVVF081718

Tot Ion:	101	Resp:	84104
Ion Ratio	Lower	Upper	
101	100		
85	56.7	43.0	64.6
151	75.5	56.2	84.2

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#10

Methyl Iodide

Concen: 44.66 ug/l

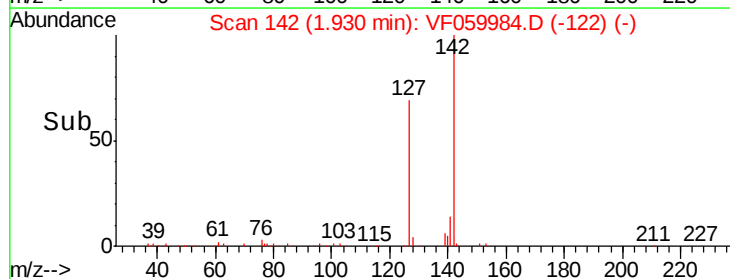
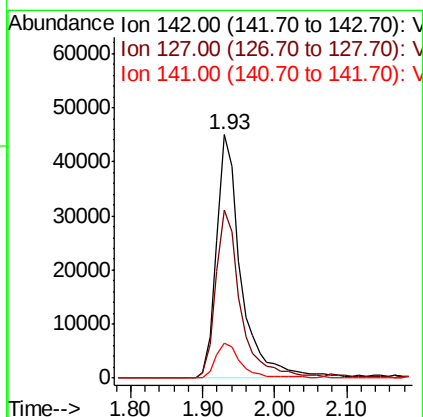
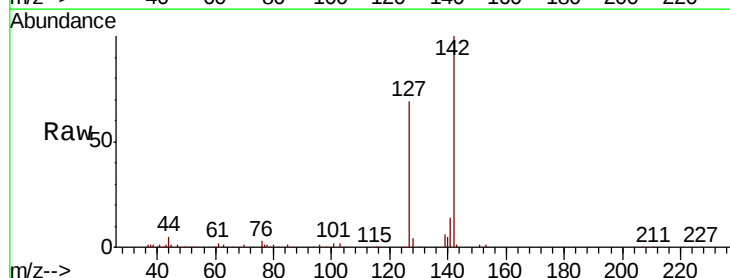
RT: 1.93 min Scan# 142

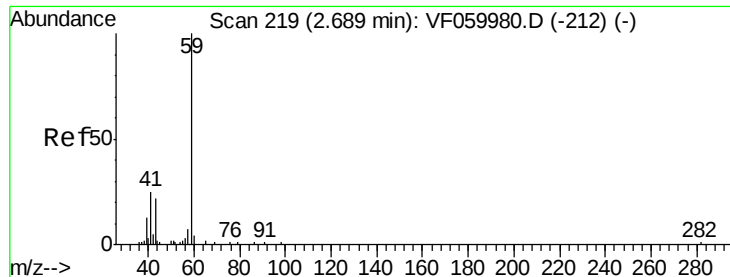
Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Tgt Ion:	142	Resp:	105717
Ion Ratio	Lower	Upper	
142	100		
127	69.1	54.1	81.1
141	14.4	12.5	18.7





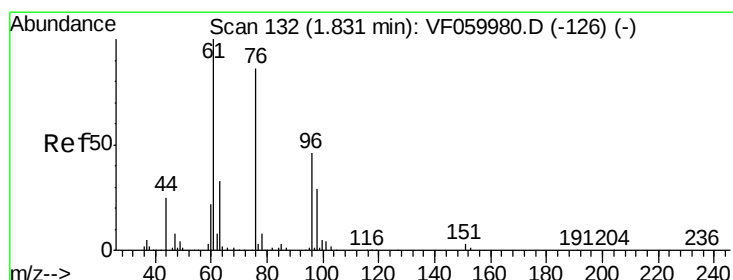
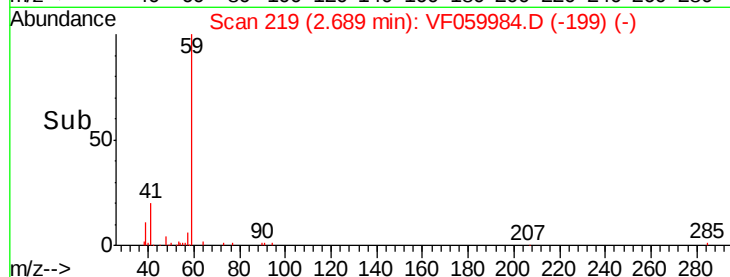
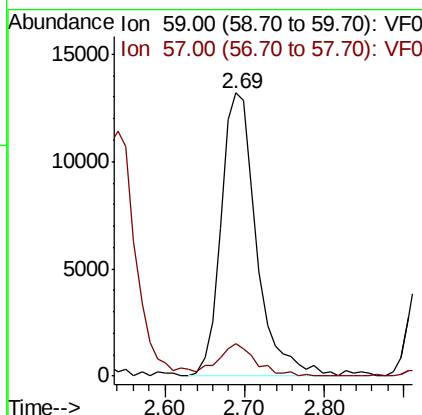
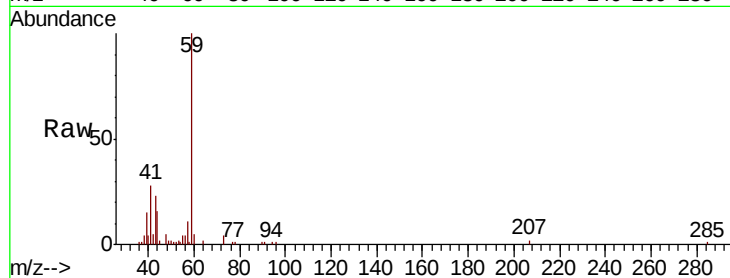
#11
Tert butyl alcohol
Concen: 265.55 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion: 59 Resp: 41123
Ion Ratio Lower Upper
59 100
57 11.3 6.8 10.2#

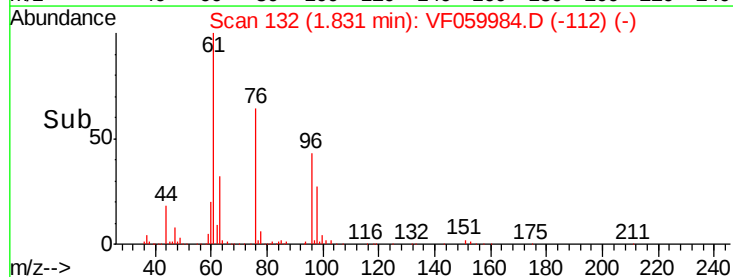
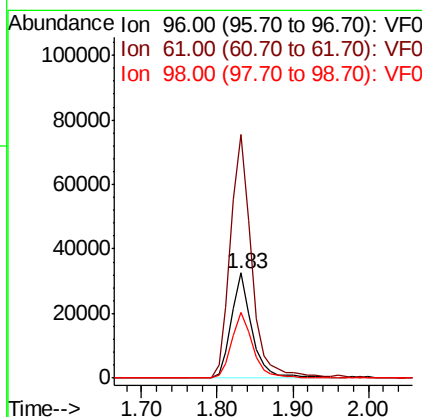
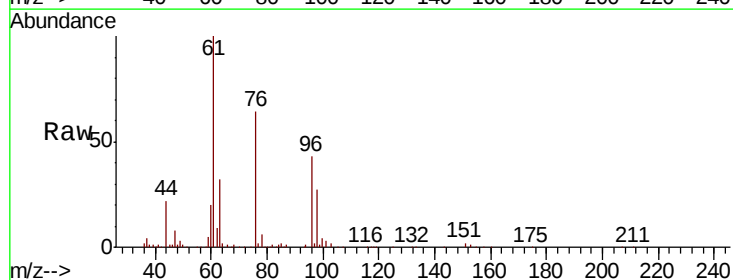
Manual Integrations
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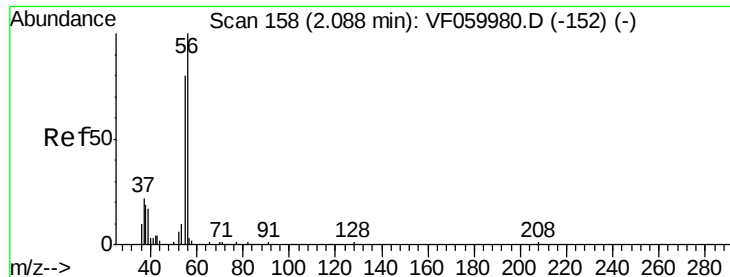
apatel
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#12
1,1-Dichloroethene
Concen: 47.64 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion: 96 Resp: 61639
Ion Ratio Lower Upper
96 100
61 231.5 175.6 263.4
98 62.2 50.6 75.8





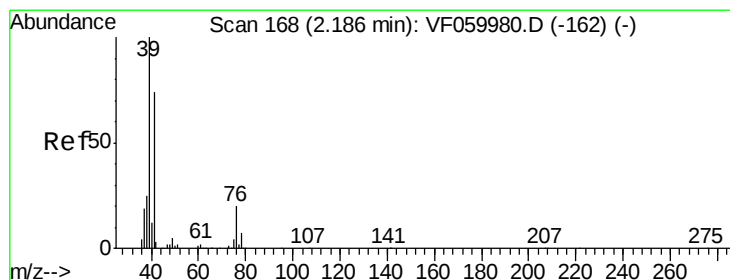
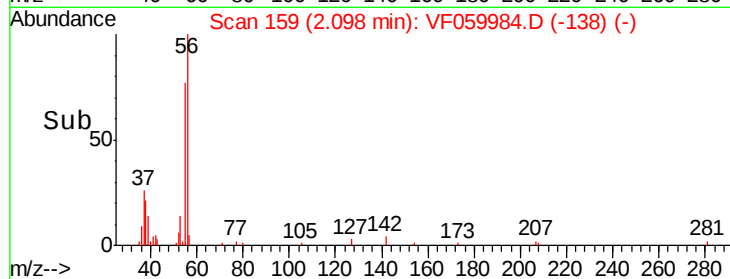
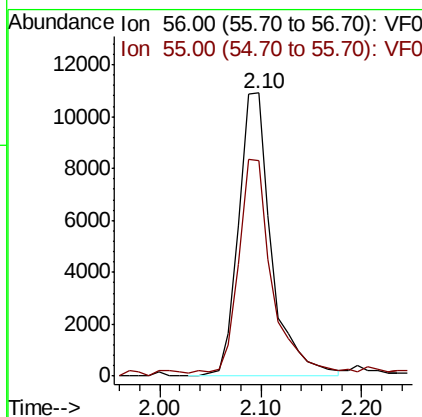
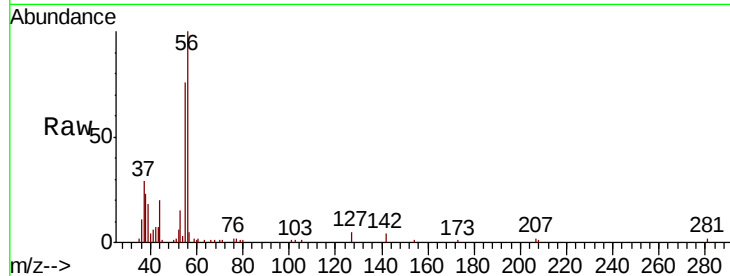
#13
Acrolein
Concen: 252.72 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	56	Resp	24865
Ion Ratio	100	Lower	Upper
55	75.9	63.8	95.6

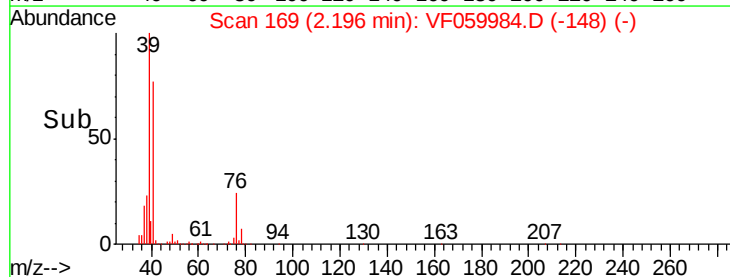
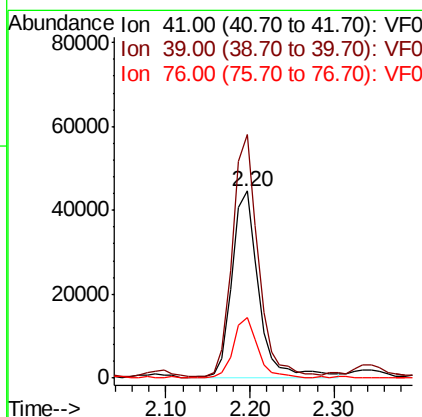
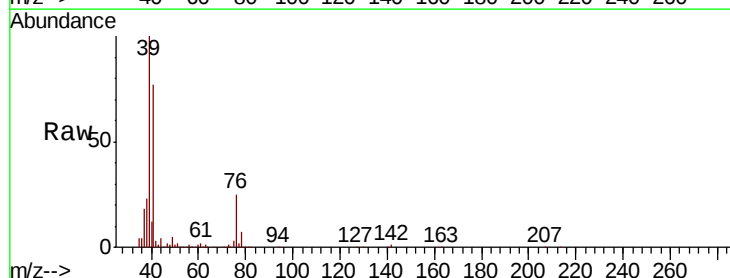
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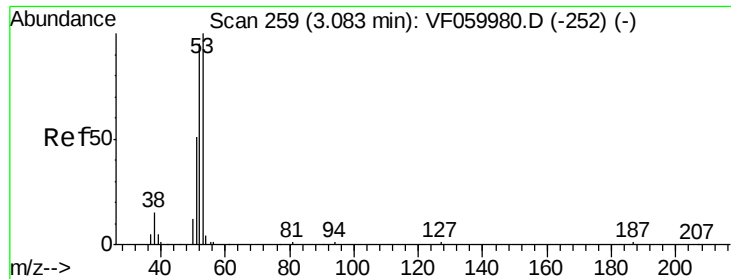
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#14
Allyl chloride
Concen: 44.46 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	41	Resp	97608
Ion Ratio	100	Lower	Upper
39	130.1	109.3	163.9
76	32.3	21.3	31.9#





#15

Acrylonitrile

Concen: 204.35 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

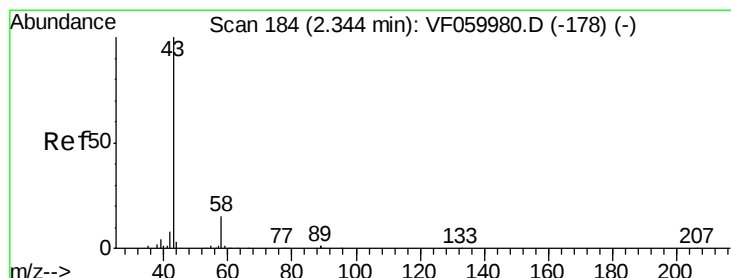
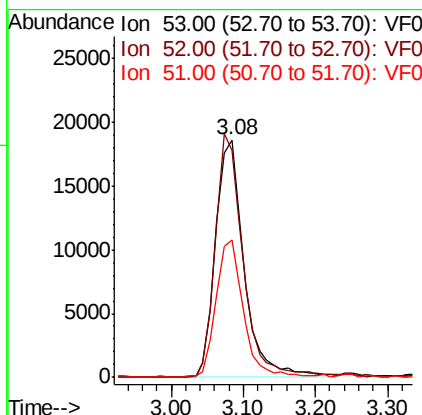
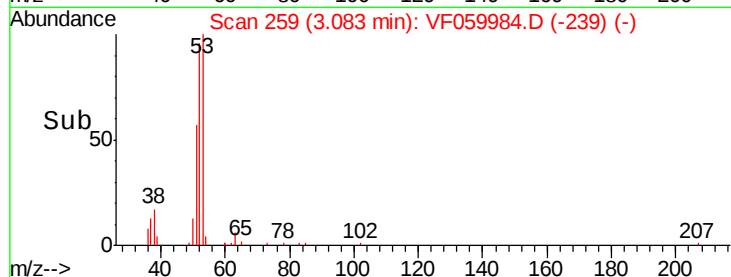
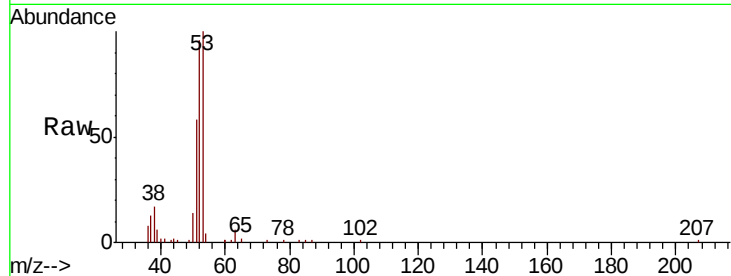
ClientSampleId :

ICVVF081718

Tot Ion:	53	Resp:	51169
Ion	Ratio	Lower	Upper
53	100		
52	95.8	76.0	114.0
51	57.8	41.9	62.9

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#16

Acetone

Concen: 203.29 ug/l

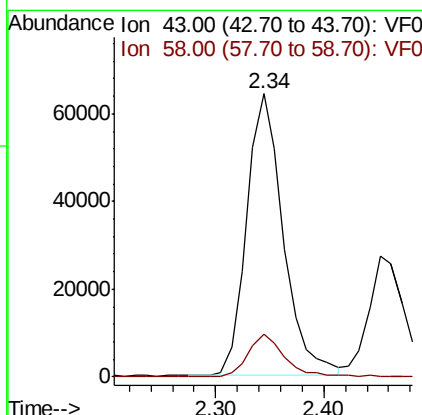
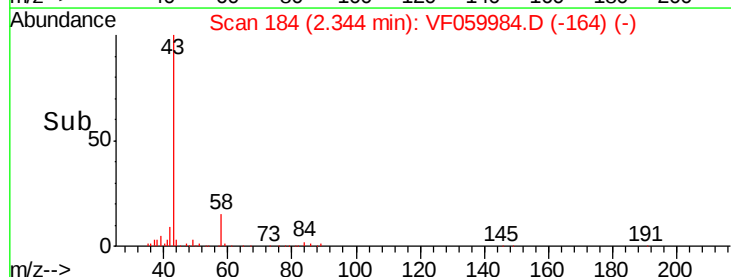
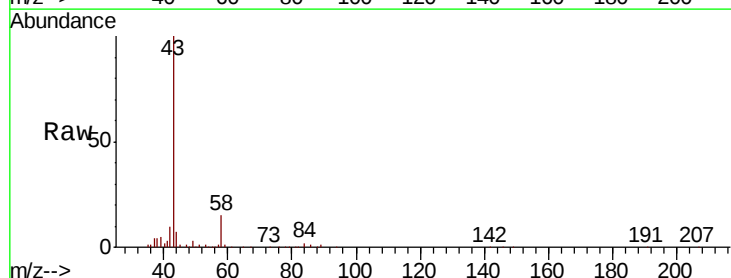
RT: 2.34 min Scan# 184

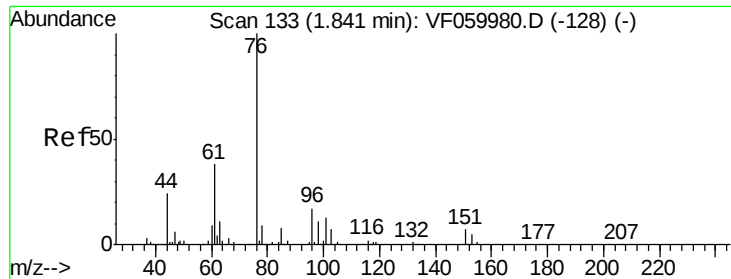
Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Tgt Ion:	43	Resp:	151297
Ion	Ratio	Lower	Upper
43	100		
58	15.0	11.9	17.9





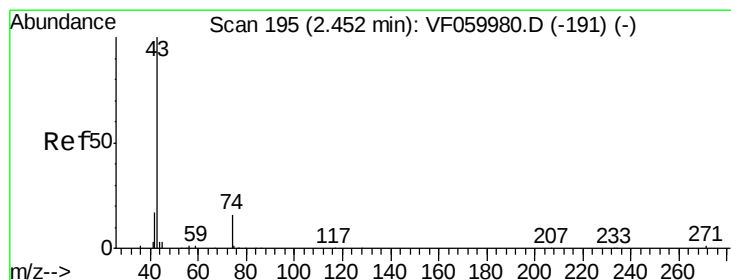
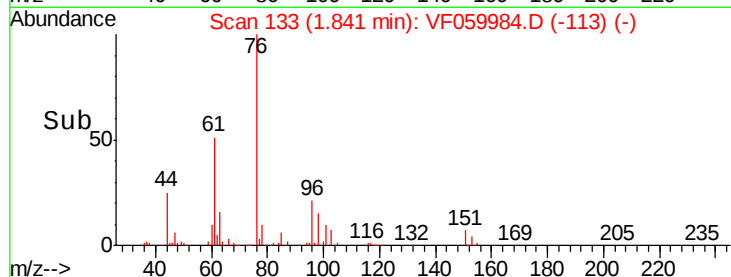
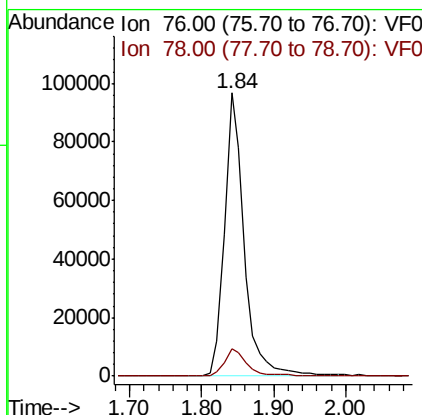
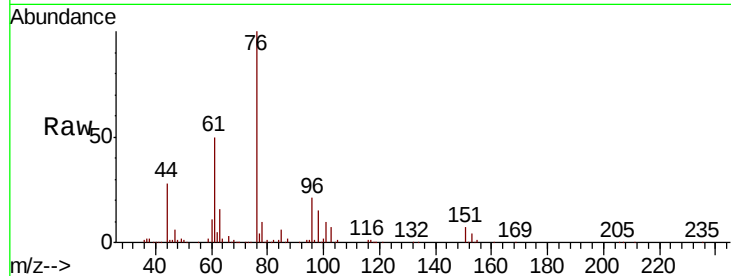
#17
Carbon Disulfide
Concen: 44.64 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.2	10.8

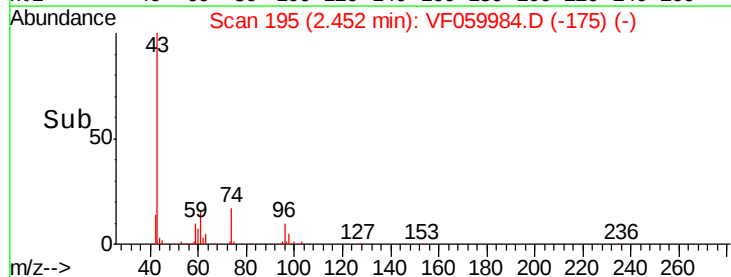
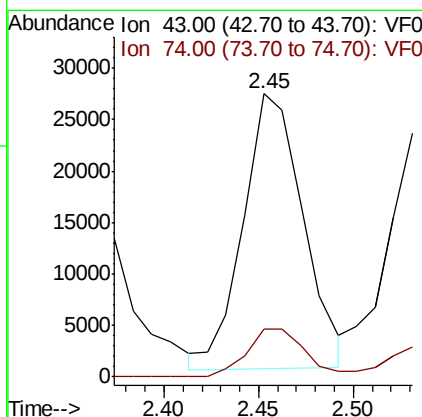
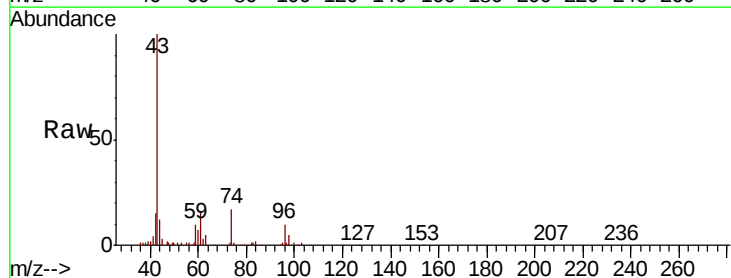
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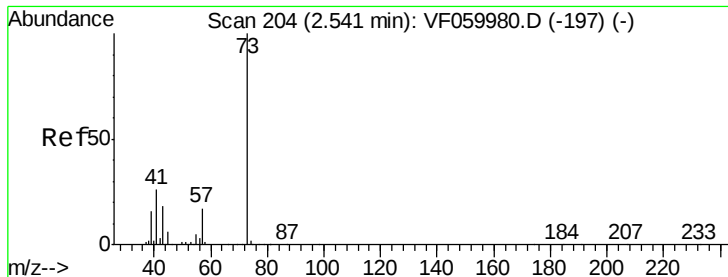
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#18
Methyl Acetate
Concen: 43.00 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.8	12.3	18.5





#19

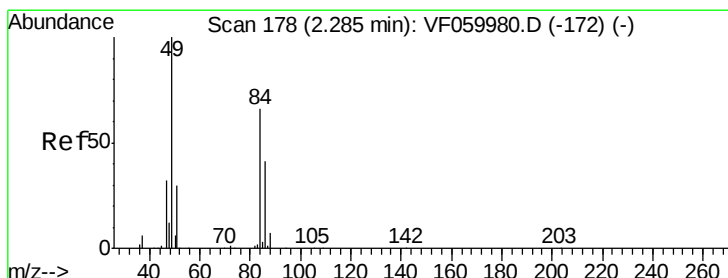
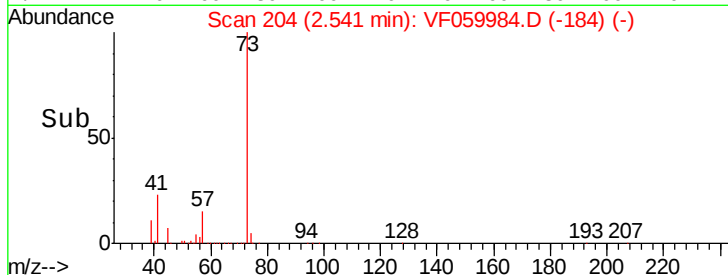
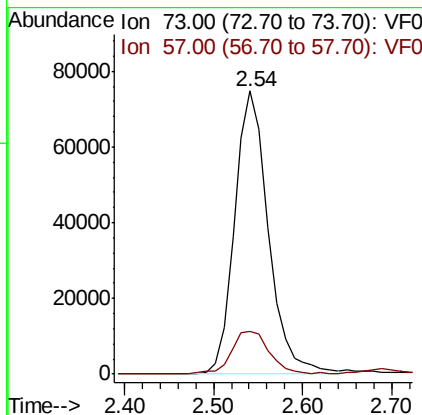
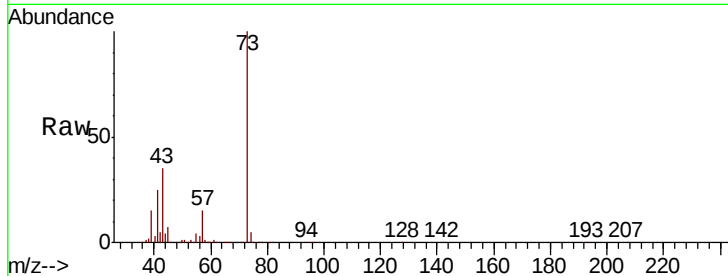
Methyl tert-butyl Ether
 Concen: 46.30 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081718

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.3	14.2	21.2

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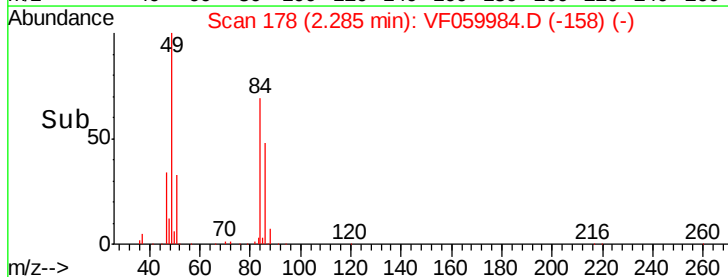
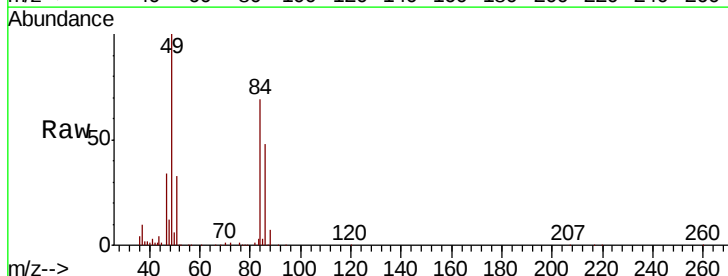
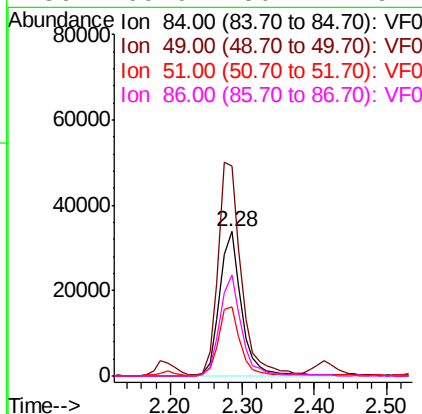
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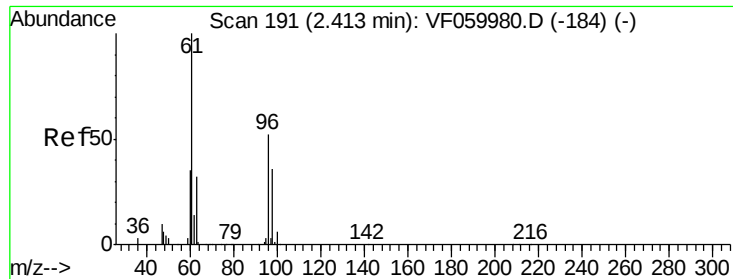


#20

Methylene Chloride
 Concen: 48.63 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.6	122.5	183.7
51	48.1	37.1	55.7
86	69.9	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 48.06 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

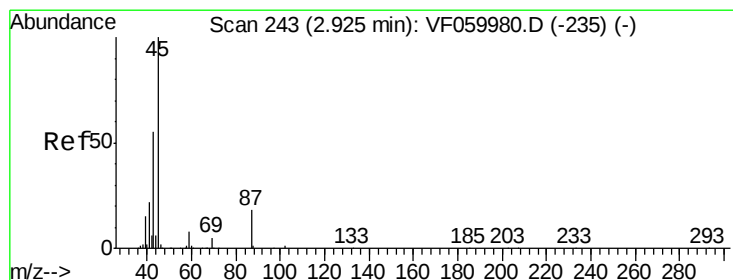
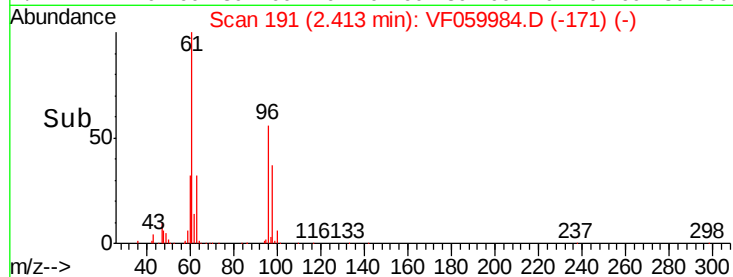
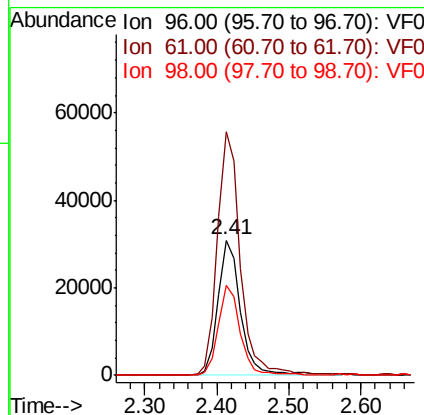
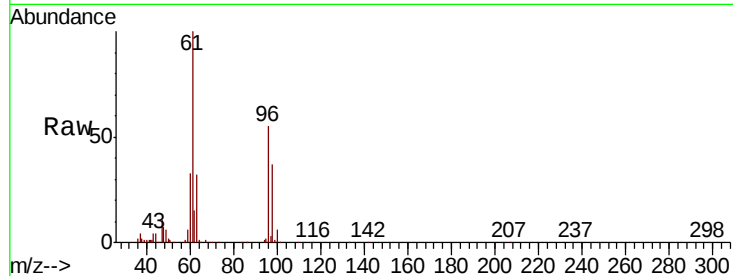
ClientSampleId :

ICVVF081718

Tot Ion:	96	Resp:	66753
Ion	Ratio	Lower	Upper
96	100		
61	180.2	153.0	229.4
98	66.2	55.5	83.3

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#22

Diisopropyl ether

Concen: 40.03 ug/l

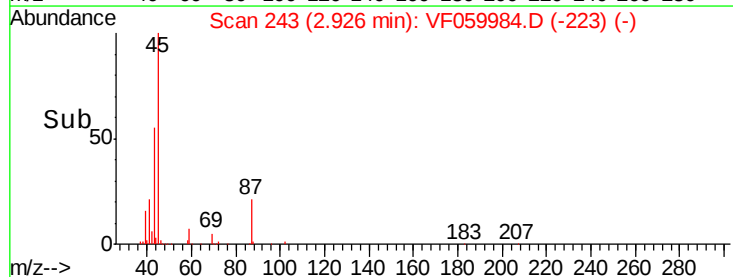
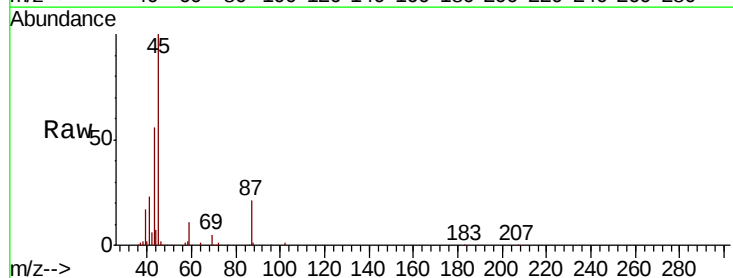
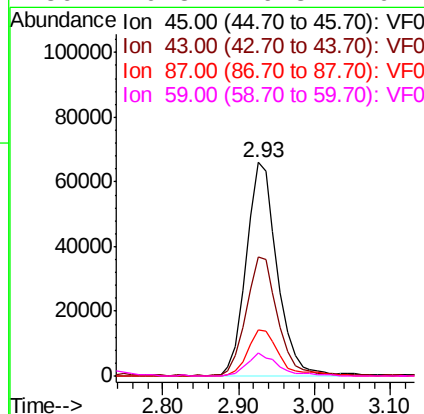
RT: 2.93 min Scan# 243

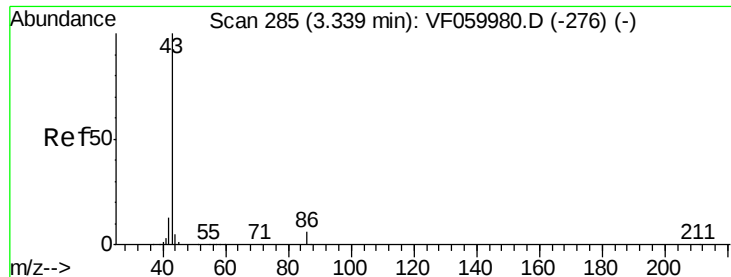
Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Tgt Ion:	45	Resp:	187943
Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.8	67.2
87	21.3	14.6	21.8
59	10.8	6.8	10.2#





#23

Vinyl Acetate

Concen: 257.52 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tot Ion: 43 Resp: 486834

Ion Ratio Lower Upper

43 100

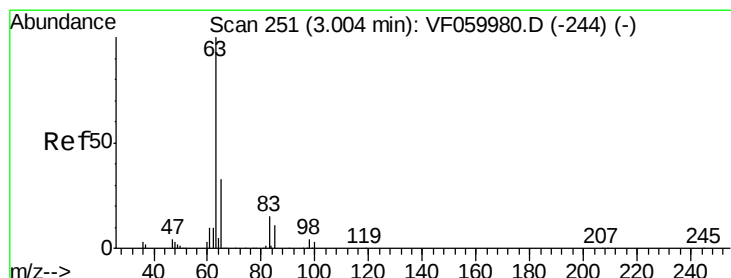
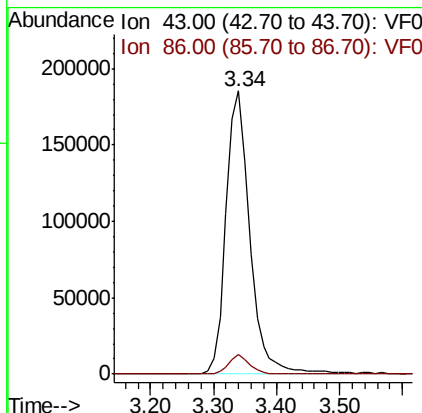
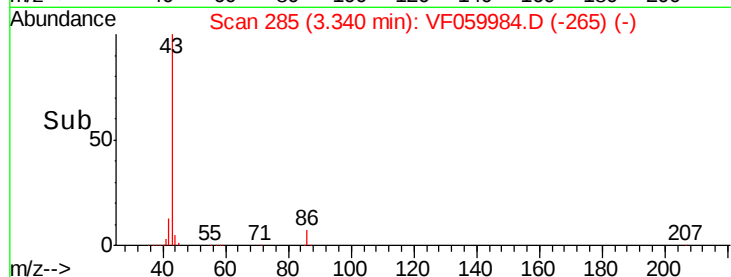
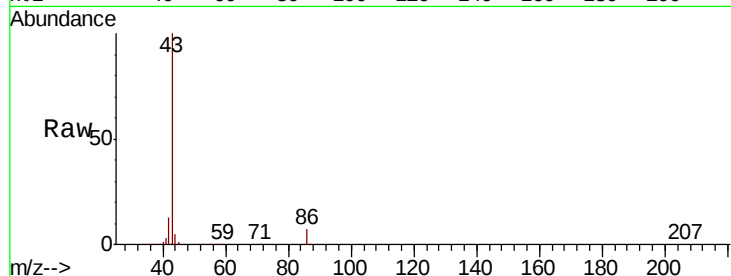
86 6.8 4.4 6.6#

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#24

1,1-Dichloroethane

Concen: 44.77 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

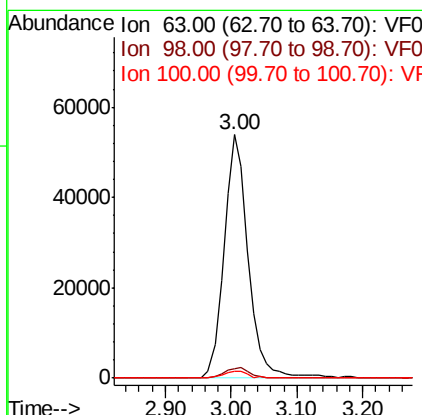
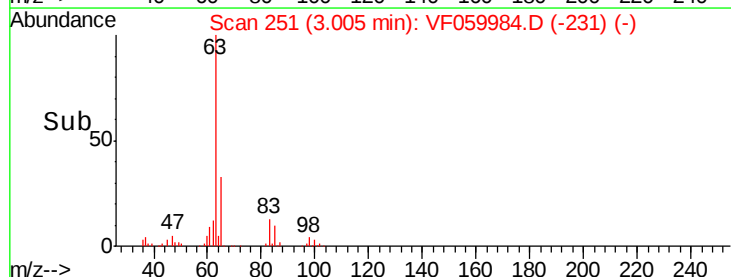
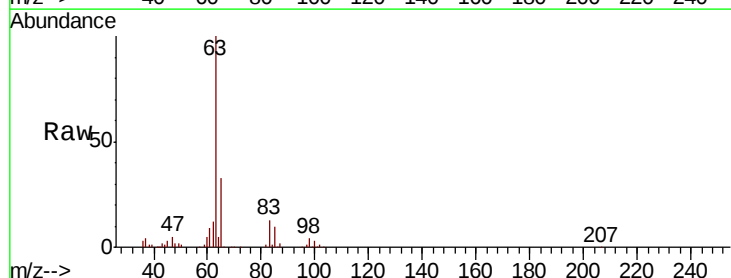
Tgt Ion: 63 Resp: 137853

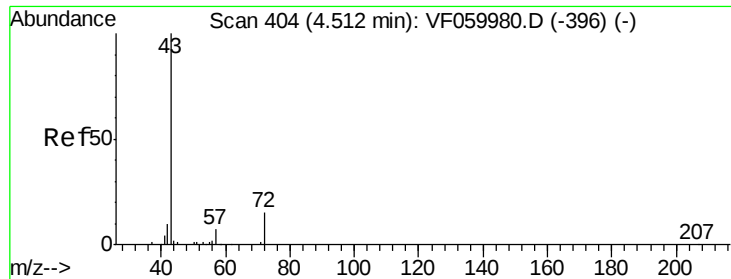
Ion Ratio Lower Upper

63 100

98 4.1 2.0 5.8

100 2.6 1.4 4.2





#25

2-Butanone

Concen: 229.70 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tot Ion: 43 Resp: 147549

Ion Ratio Lower Upper

43 100

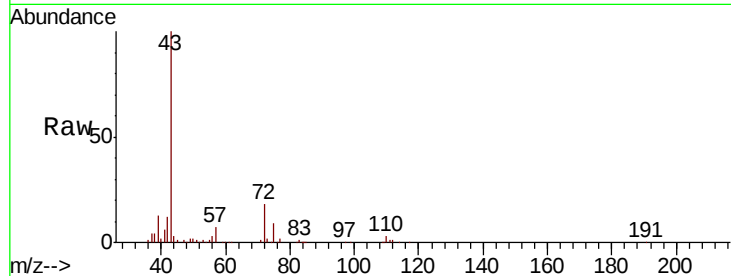
72 17.6 12.5 18.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.51

50000

40000

30000

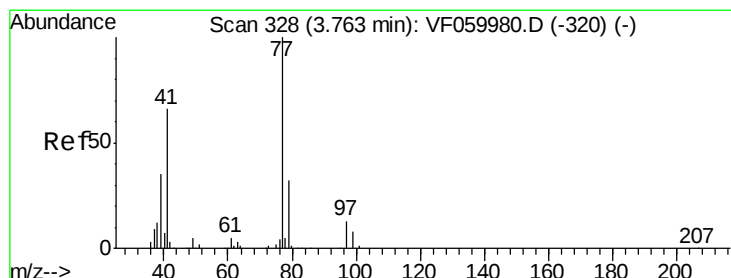
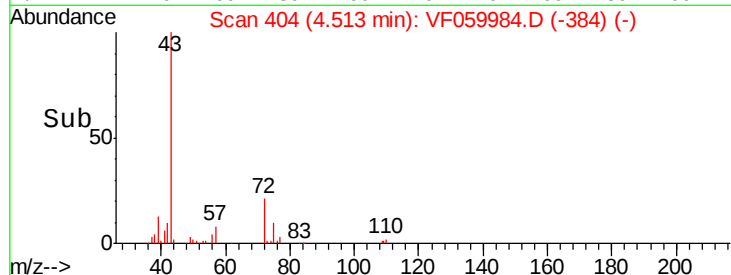
20000

10000

0

Time-->

4.40 4.50 4.60 4.70



#26

2,2-Dichloropropane

Concen: 47.53 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF059984.D

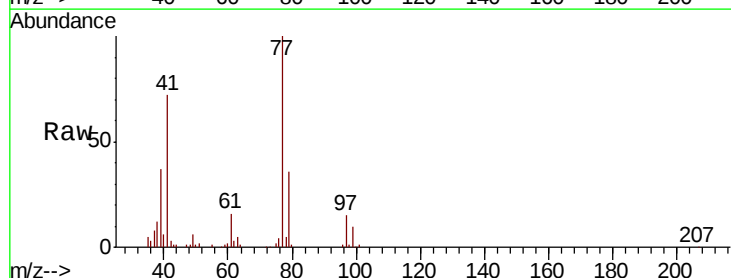
Acq: 17 Aug 2018 20:51

Tgt Ion: 77 Resp: 129654

Ion Ratio Lower Upper

77 100

97 14.6 6.7 20.0



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.76

40000

30000

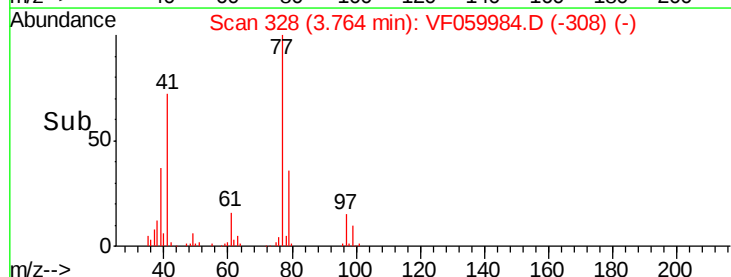
20000

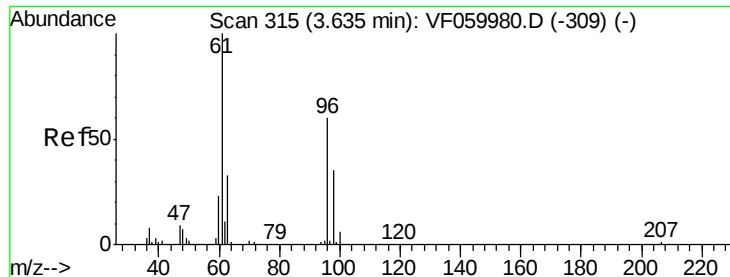
10000

0

Time-->

3.60 3.70 3.80 3.90





#27

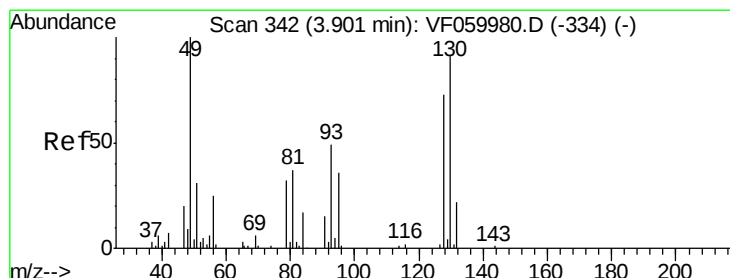
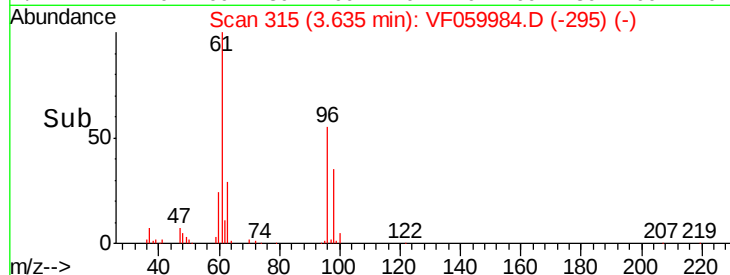
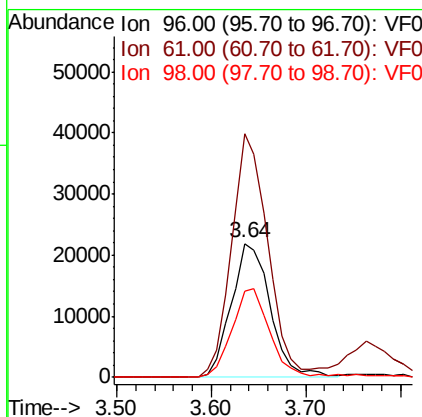
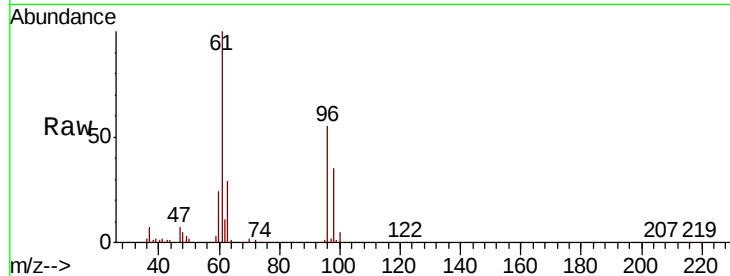
cis-1,2-Dichloroethene
Concen: 49.29 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Lower	Upper
96	100		
61	182.0	0.0	335.0
98	64.0	0.0	117.2

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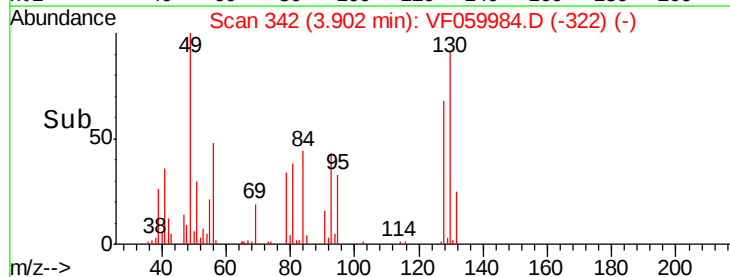
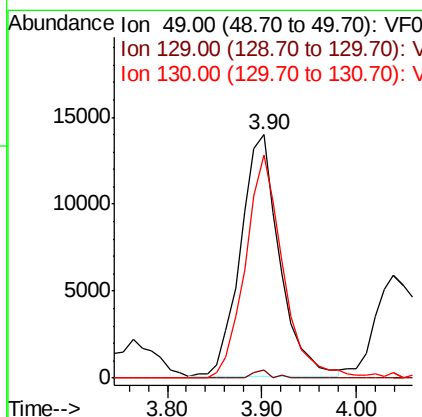
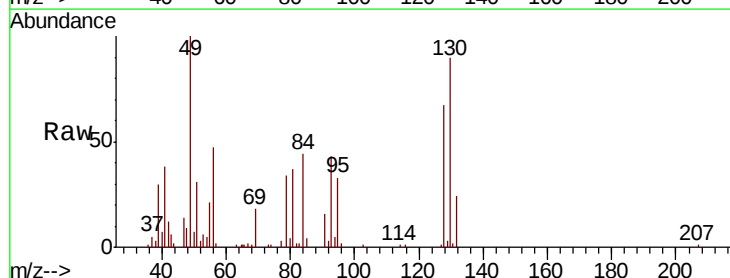
apatel
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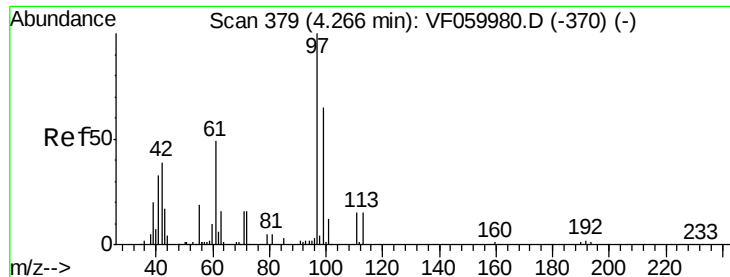


#28

Bromochloromethane
Concen: 44.92 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	7.6
130	91.9	71.3	106.9





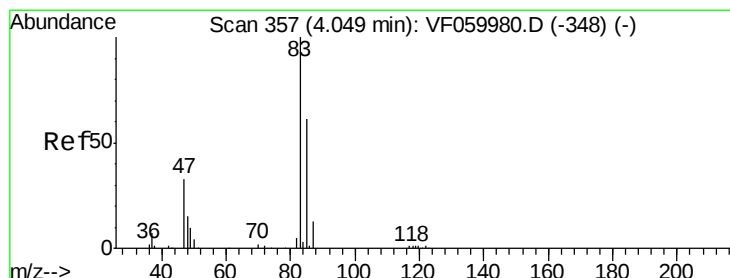
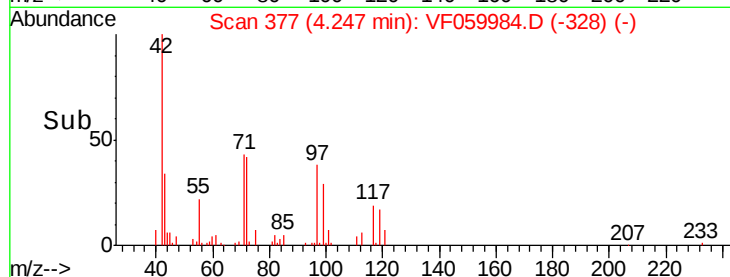
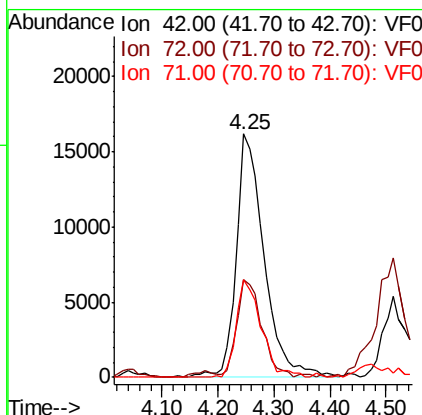
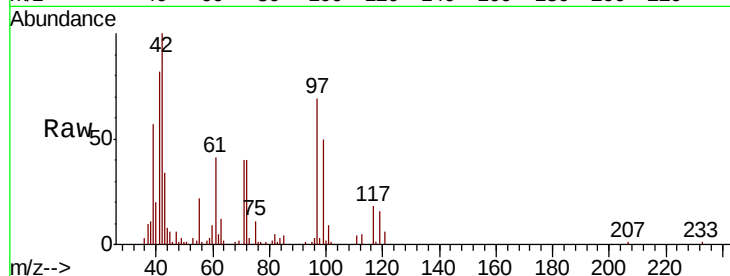
#29
Tetrahydrofuran
Concen: 243.24 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion:	42	Resp:	55763
Ion Ratio	Lower	Upper	
42	100		
72	35.9	29.8	44.6
71	35.8	29.0	43.4

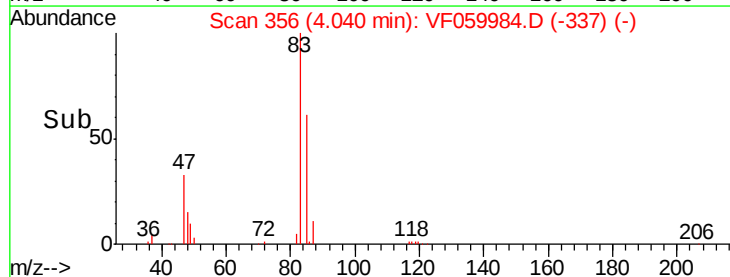
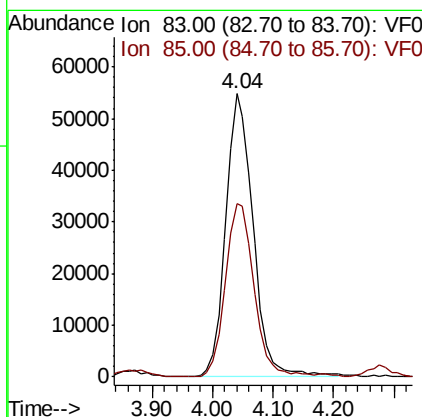
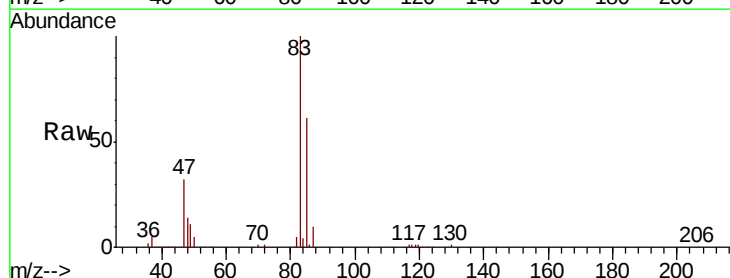
Manual Integrations
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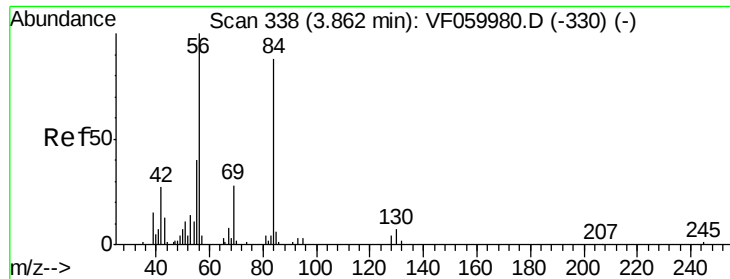
apatel
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#30
Chloroform
Concen: 48.40 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion:	83	Resp:	172302
Ion Ratio	Lower	Upper	
83	100		
85	61.0	48.8	73.2





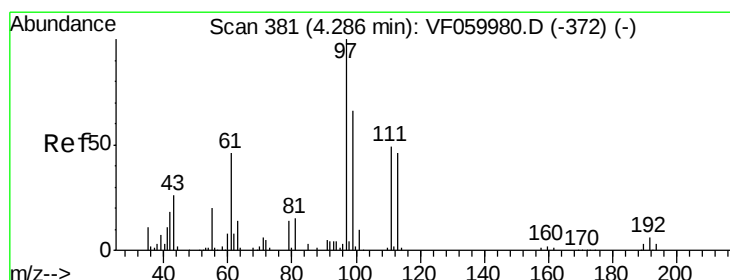
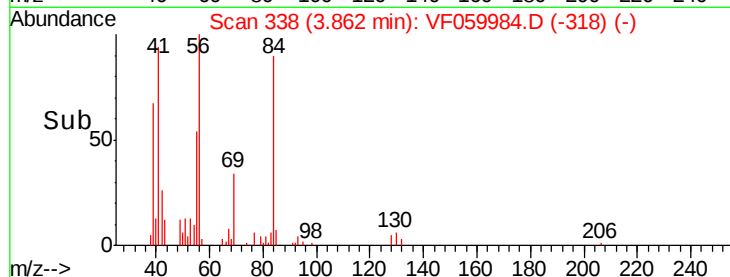
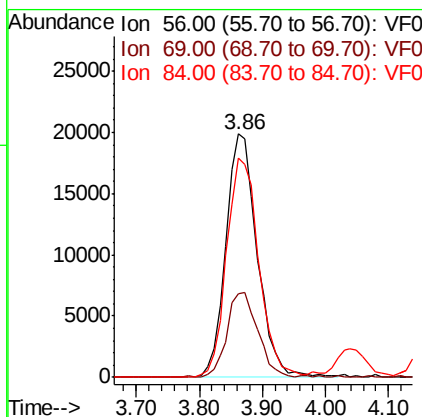
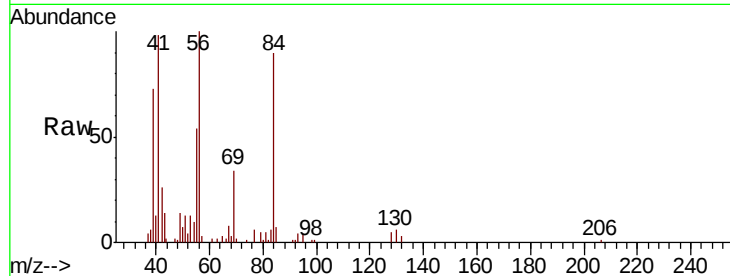
#31
Cyclohexane
Concen: 48.64 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	22.8	34.2#
84	89.8	70.7	106.1

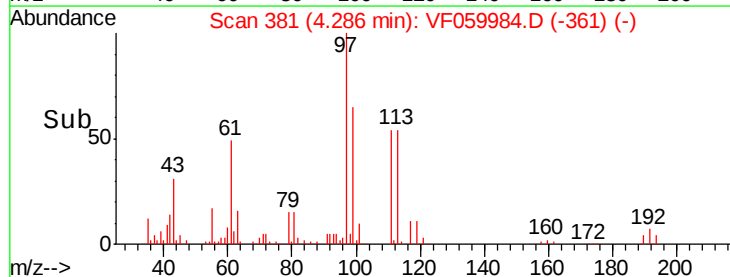
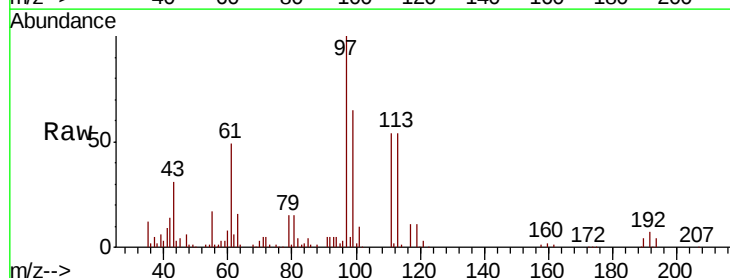
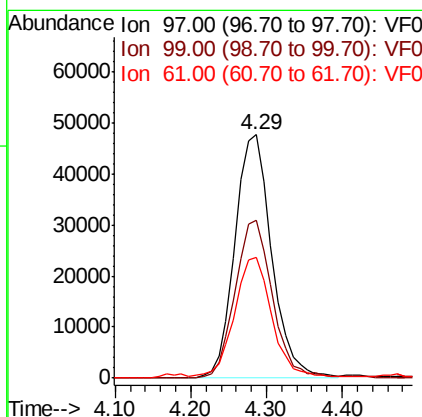
Manual Integrations
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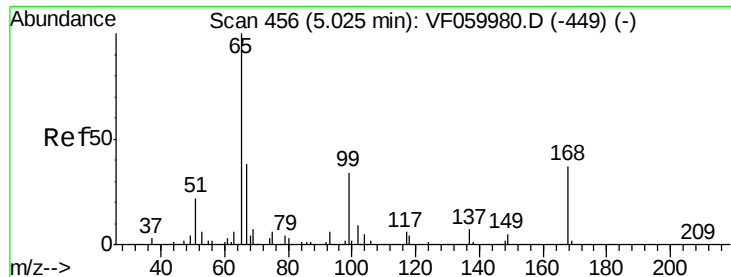
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#32
1,1,1-Trichloroethane
Concen: 46.50 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	53.1	79.7
61	49.3	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 47.41 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Tot Ion: 65 Resp: 125971

Ion Ratio Lower Upper

65 100

67 42.8 0.0 82.6

Instrument :

MSVOA_F

ClientSampleId :

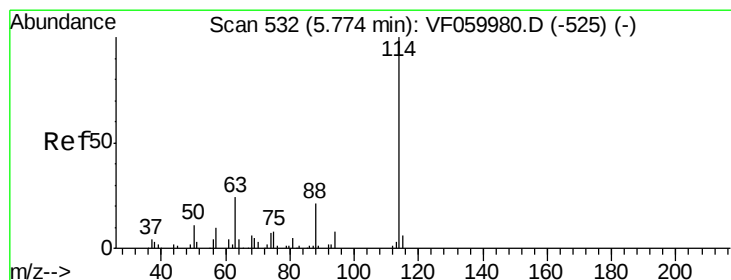
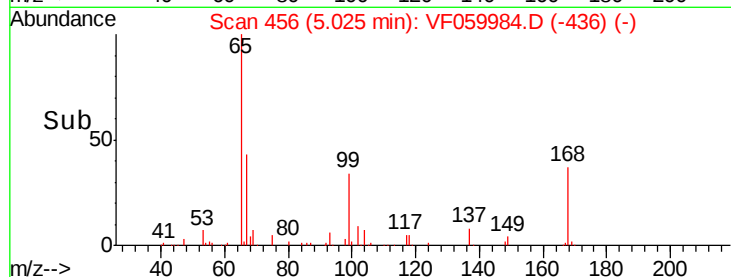
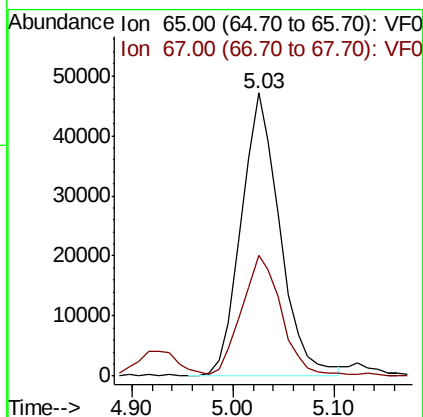
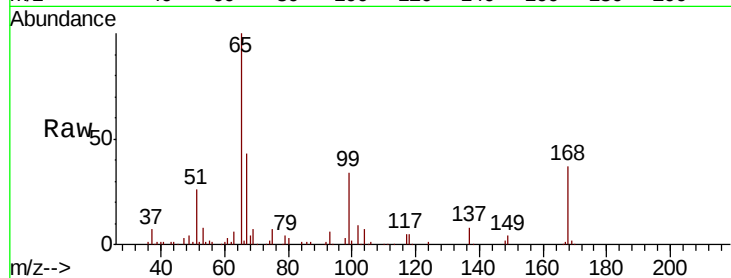
ICVVF081718

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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: VF059984.D

Acq: 17 Aug 2018 20:51

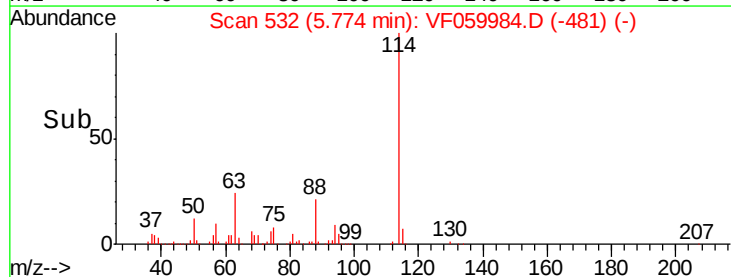
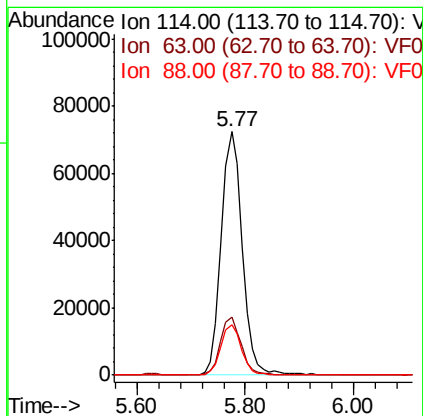
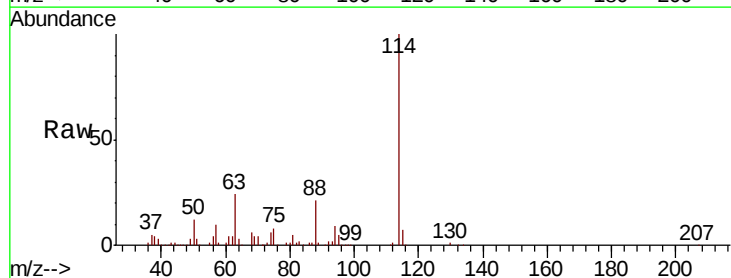
Tgt Ion: 114 Resp: 196619

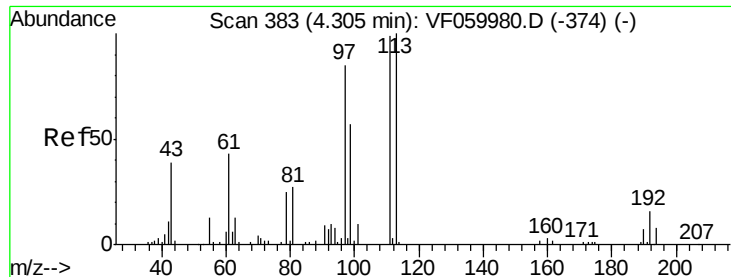
Ion Ratio Lower Upper

114 100

63 24.0 0.0 48.6

88 20.8 0.0 42.8





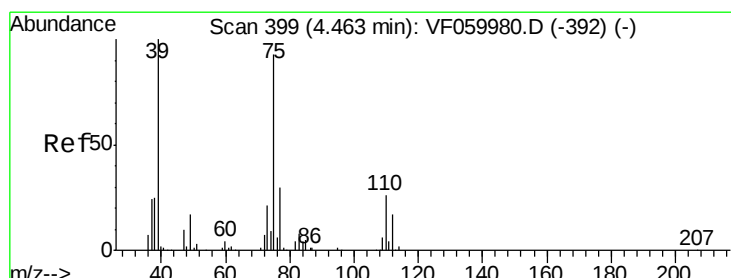
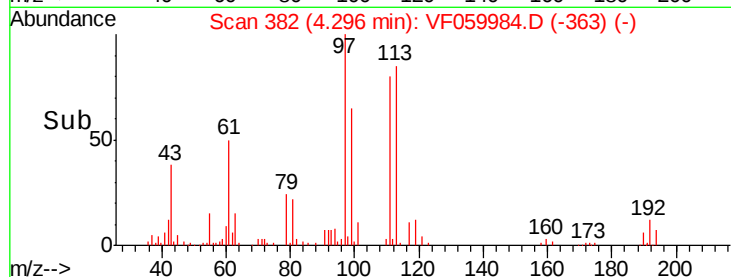
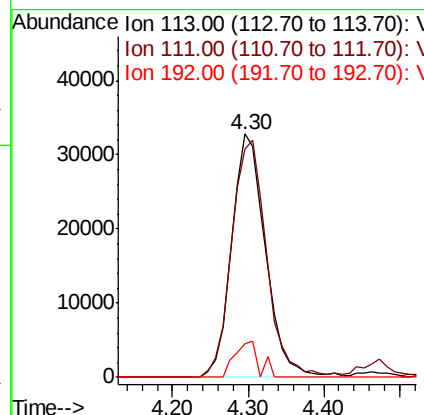
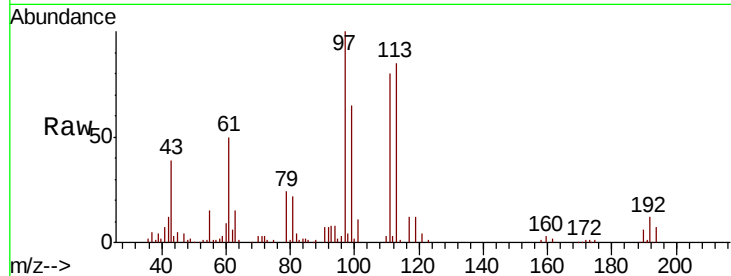
#35
 Dibromofluoromethane
 Concen: 50.48 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081718

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101435		
111	94.0	79.5	119.3	
192	14.0	12.4	18.6	

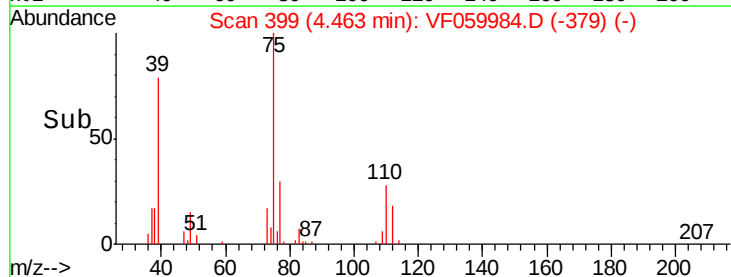
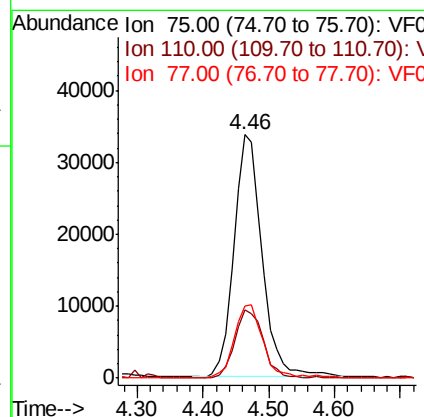
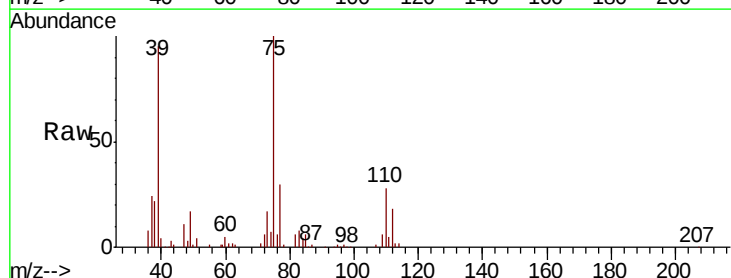
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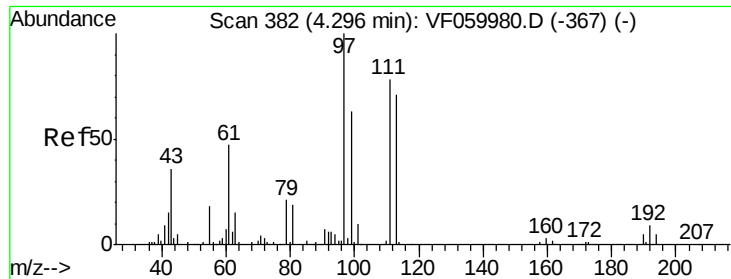
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#36
 1,1-Dichloropropene
 Concen: 45.14 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101090		
110	27.8	13.8	41.4	
77	29.7	25.8	38.8	





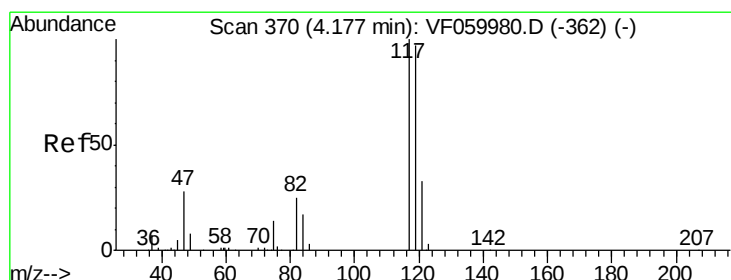
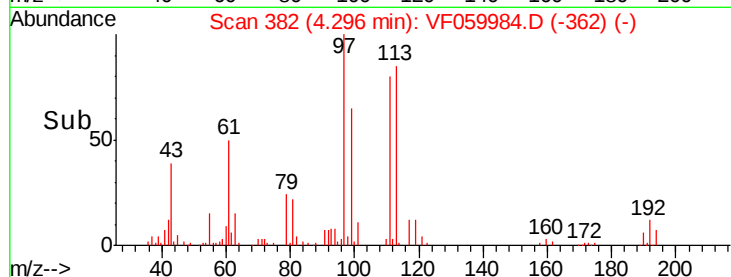
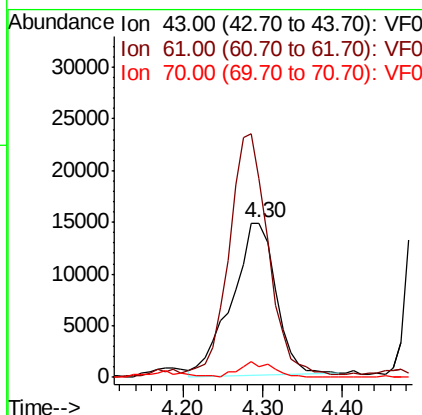
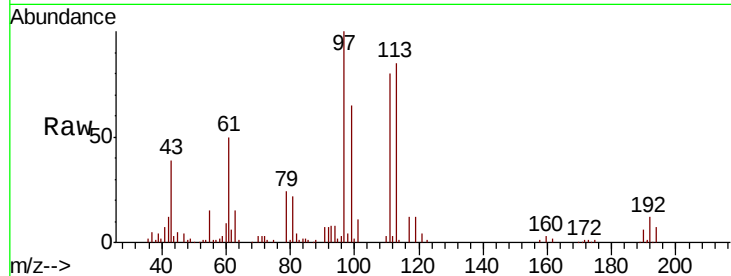
#37
Ethyl Acetate
Concen: 45.73 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	43	61	70
Resp	56600	128.7	7.0
Ratio	100	128.7	7.0
Lower		104.5	5.9
Upper		156.7	8.9

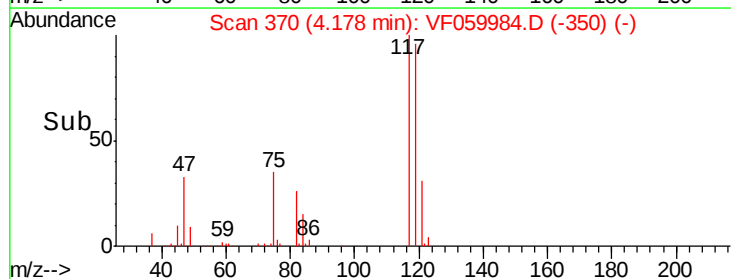
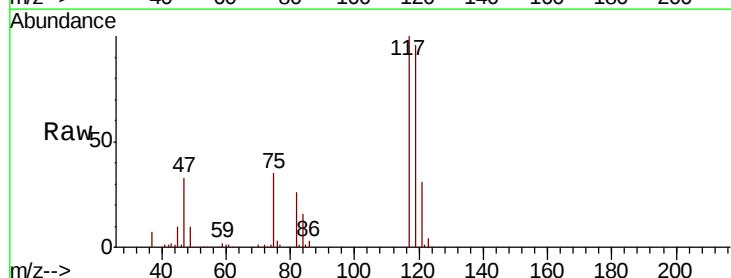
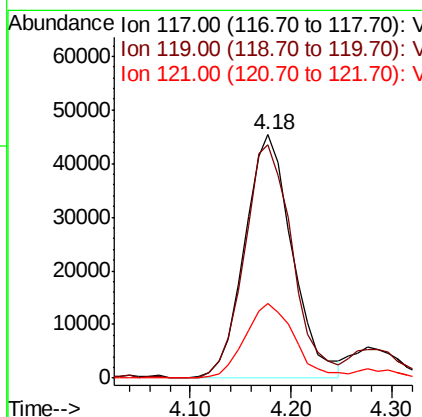
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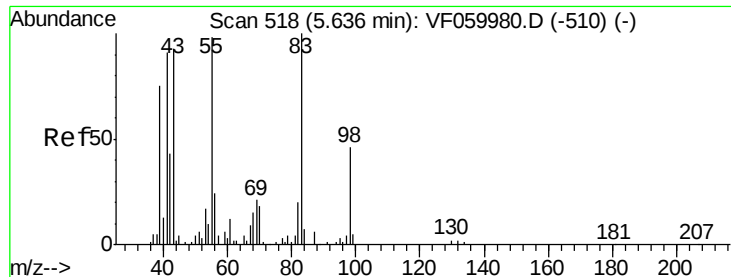
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#38
Carbon Tetrachloride
Concen: 46.39 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	117	119	121
Resp	149012	96.0	30.8
Ratio	100	96.0	30.8
Lower		77.8	26.0
Upper		116.6	39.0





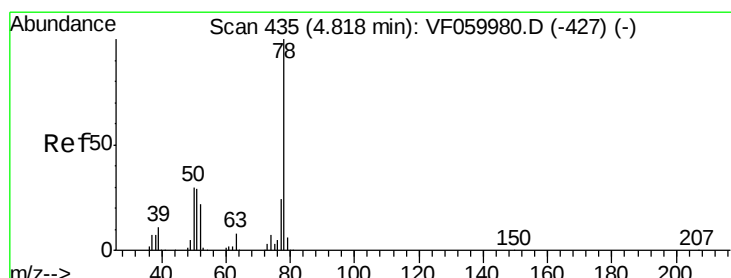
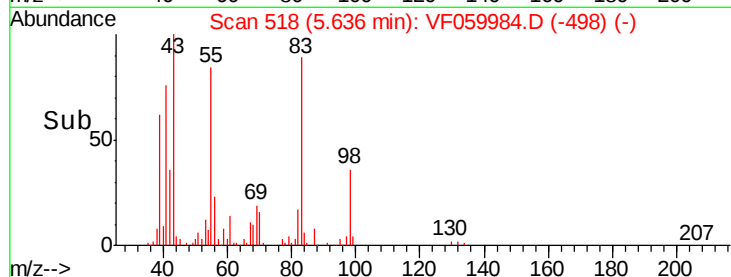
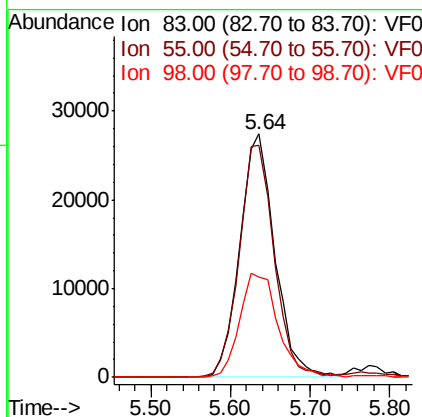
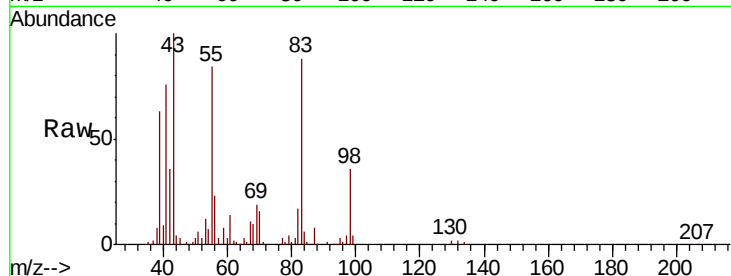
#39
Methvlcvclohexane
Concen: 49.49 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.3	78.8	118.2
98	41.1	36.8	55.2

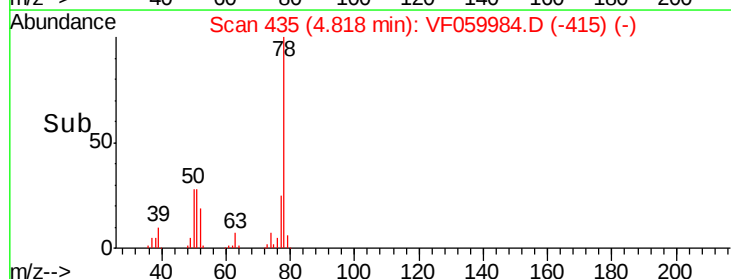
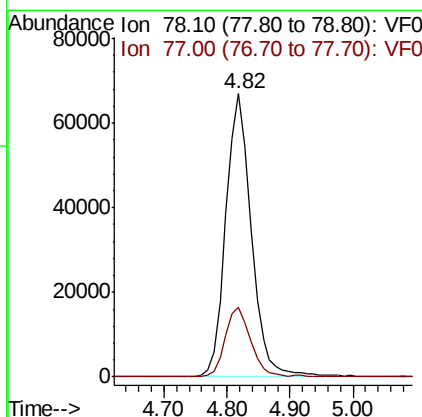
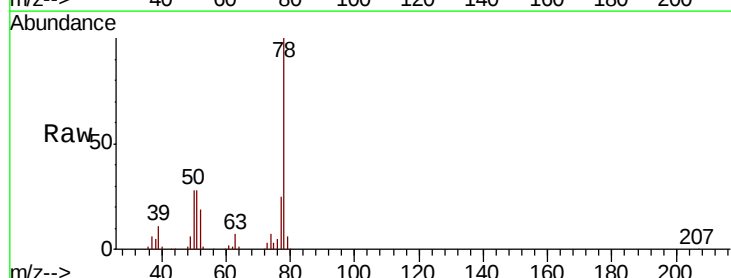
Manual Integrations
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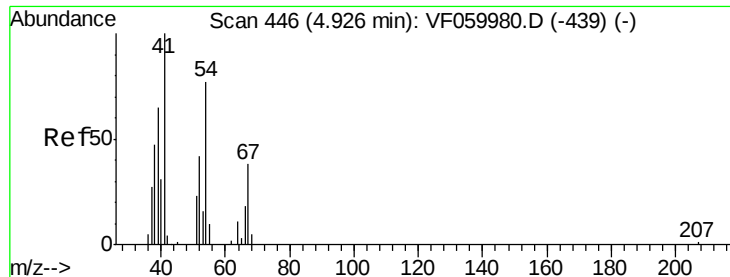
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#40
Benzene
Concen: 49.68 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7





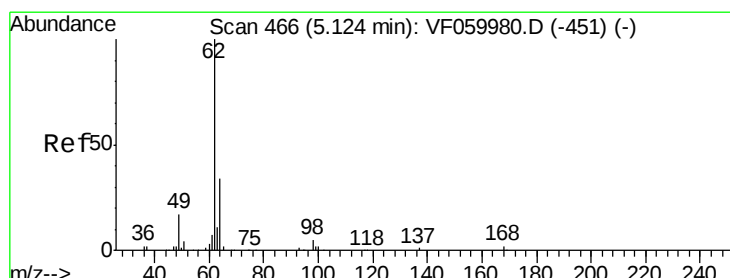
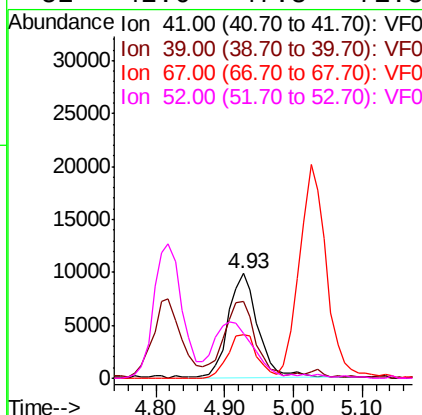
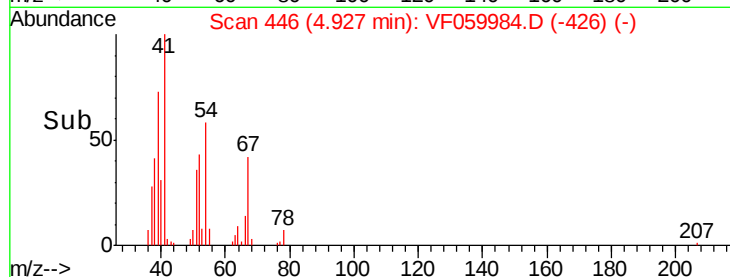
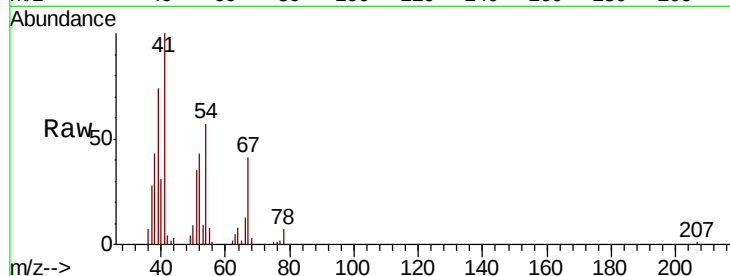
#41
Methacrylonitrile
Concen: 49.26 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.8	62.9	94.3
67	41.3	30.4	45.6
52	42.6	47.8	71.8#

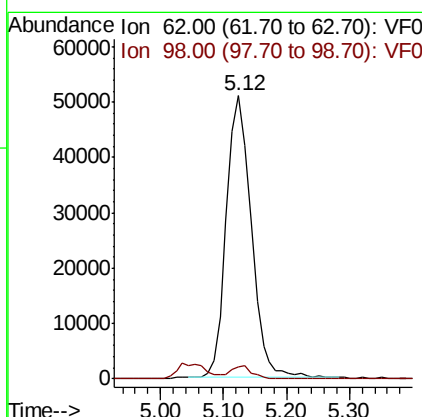
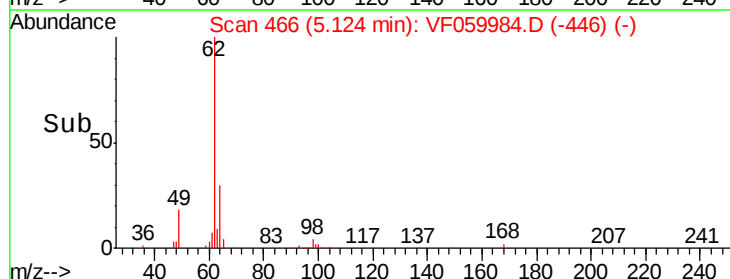
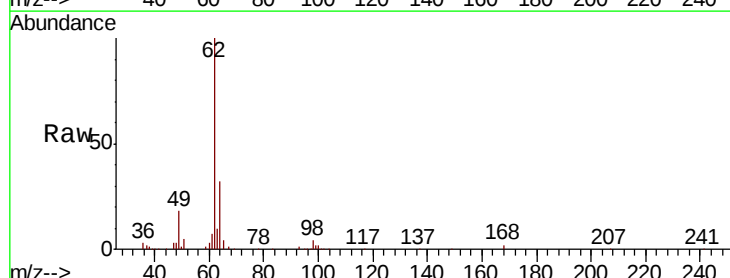
Manual Integrations
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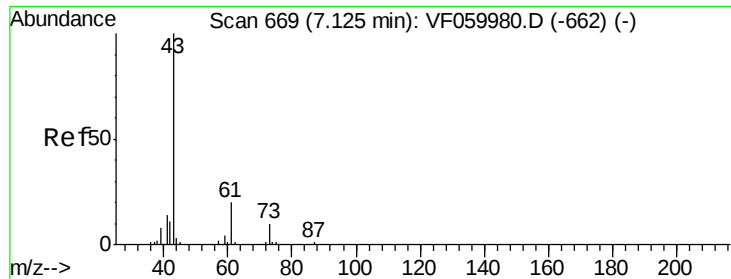
apatel
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#42
1,2-Dichloroethane
Concen: 43.60 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	9.0





#43

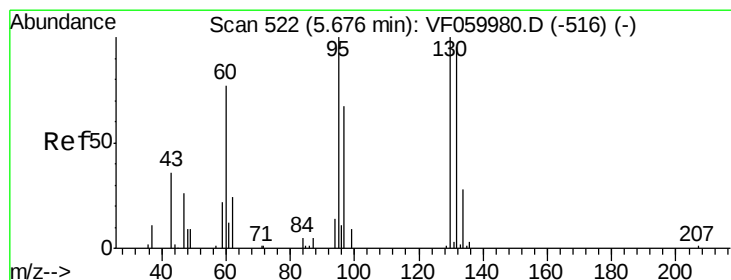
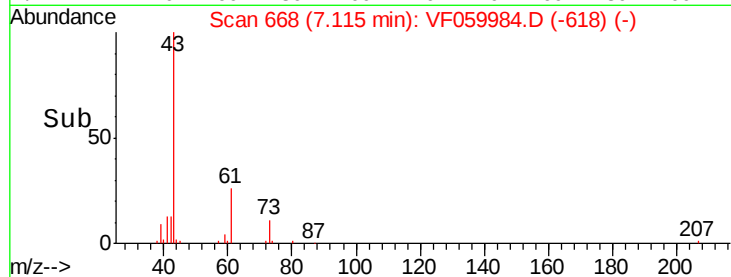
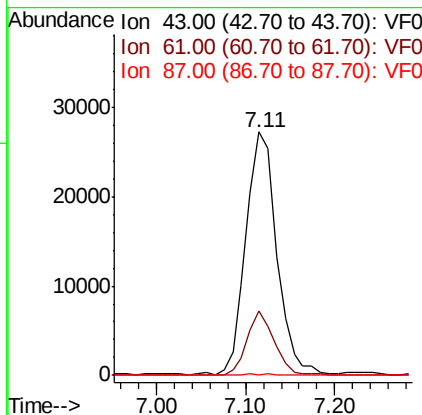
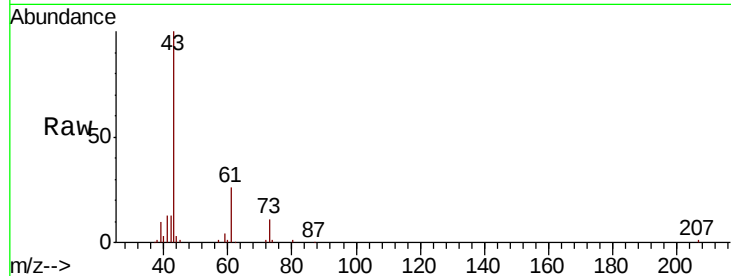
Isopropyl Acetate
 Concen: 47.70 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081718

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	15.8	23.8#
87	0.4	0.6	0.8#

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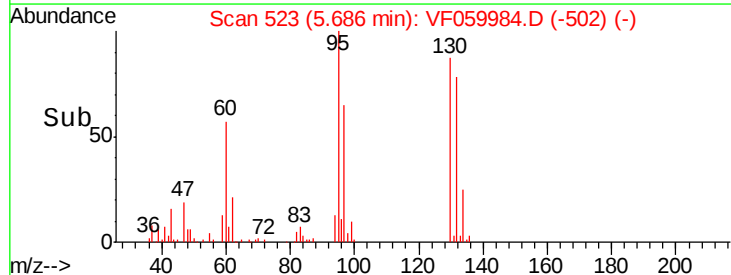
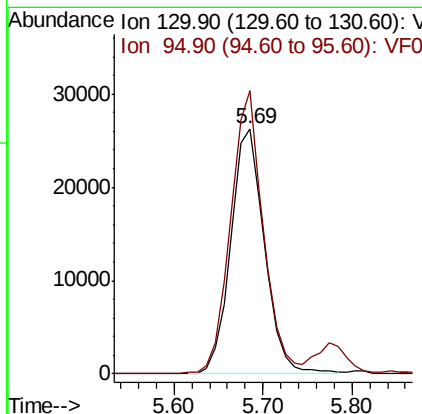
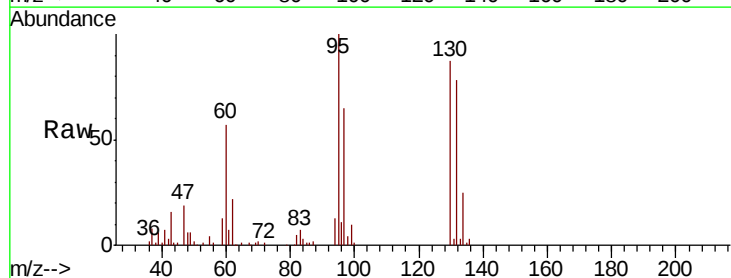
apatel
 8/20/2018 11:48:39 AM

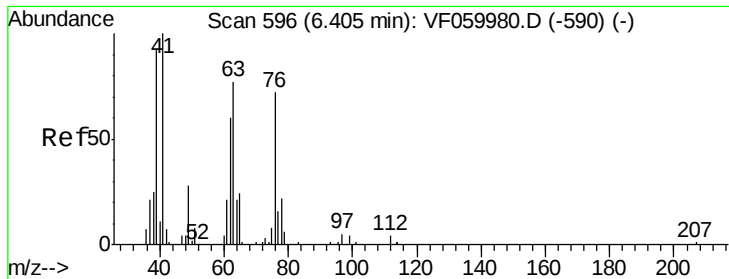


#44

Trichloroethene
 Concen: 46.95 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.5	0.0	201.8





#45

1,2-Dichloropropane

Concen: 48.84 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tot Ion: 63 Resp: 52958

Ion Ratio Lower Upper

63 100

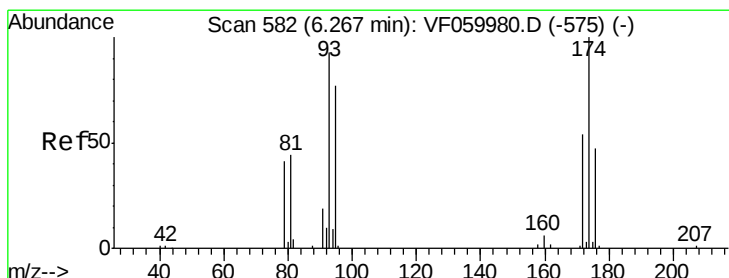
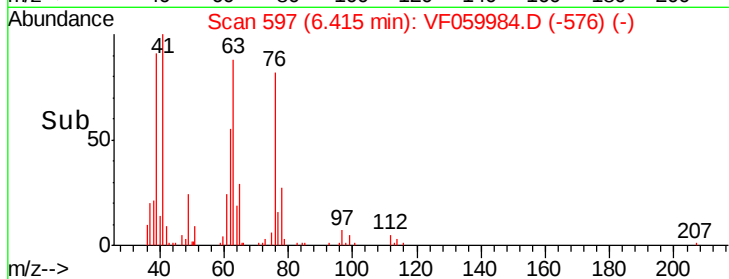
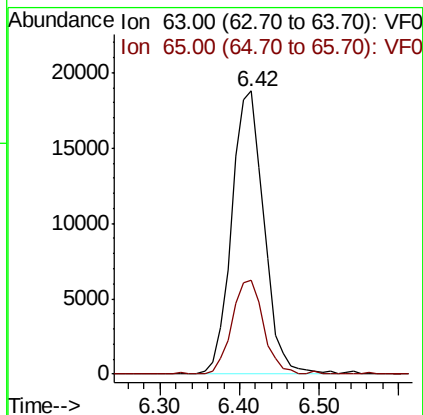
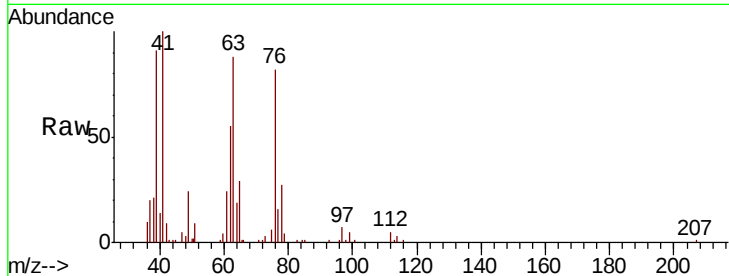
65 33.8 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 47.28 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

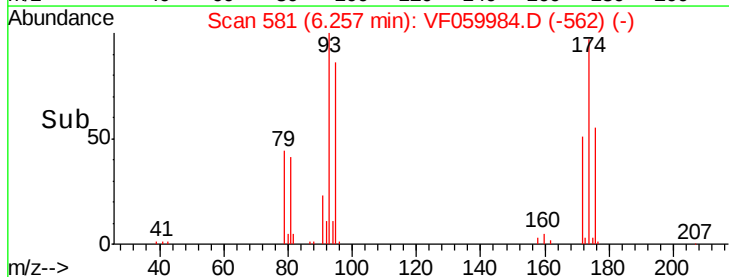
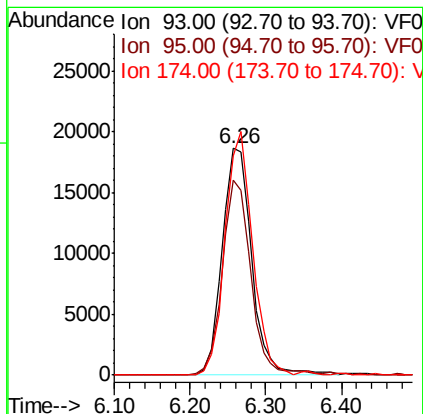
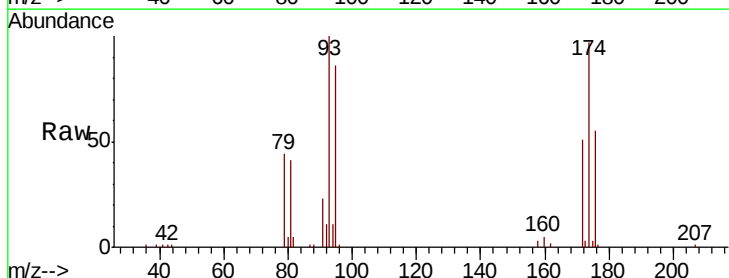
Tgt Ion: 93 Resp: 50556

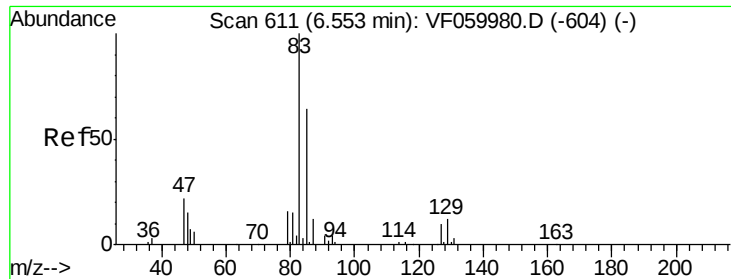
Ion Ratio Lower Upper

93 100

95 85.9 67.0 100.4

174 96.7 85.7 128.5





#47

Bromodichloromethane

Concen: 46.62 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

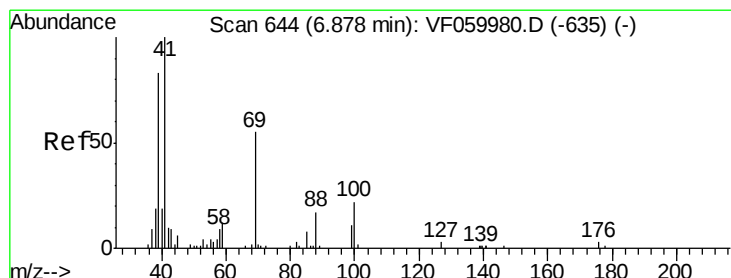
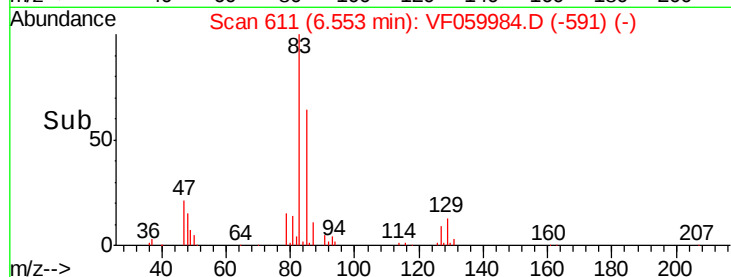
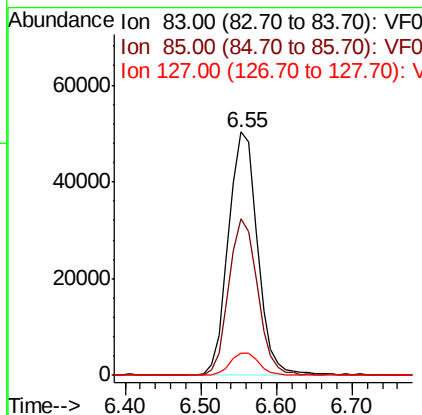
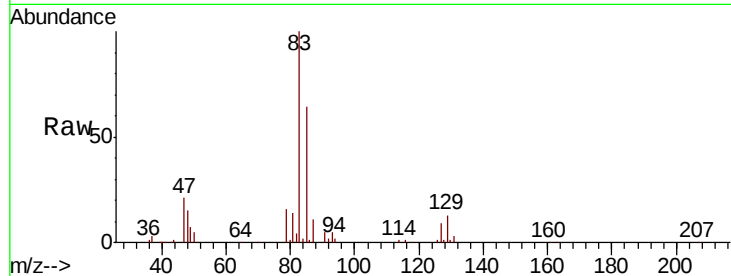
ClientSampleId :

ICVVF081718

Tot Ion:	83	Resp:	134586
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.4	77.0
127	9.1	8.2	12.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.01 ug/l

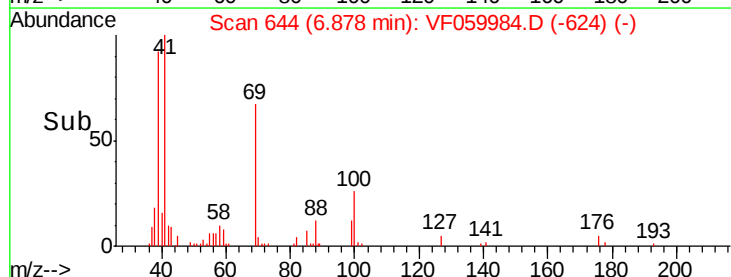
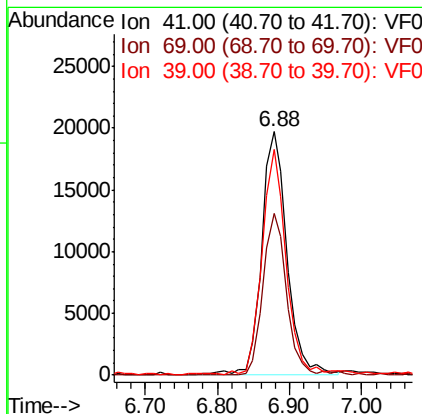
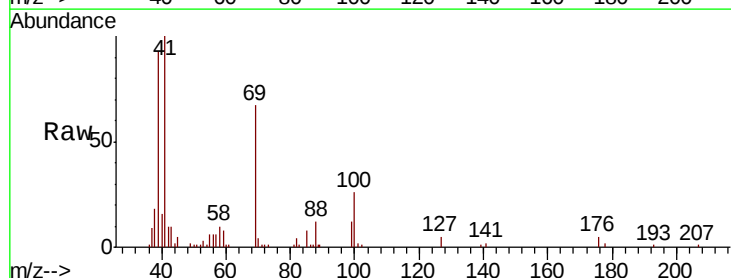
RT: 6.88 min Scan# 644

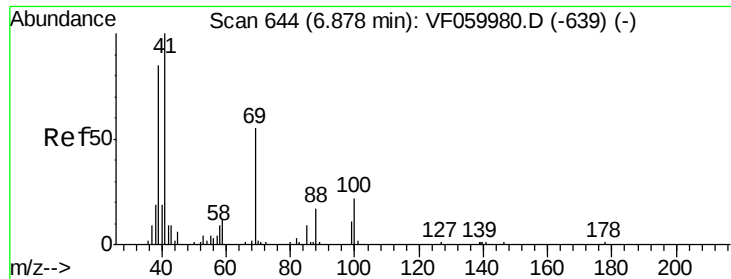
Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Tgt Ion:	41	Resp:	48685
Ion Ratio	Lower	Upper	
41	100		
69	66.7	44.4	66.6#
39	92.8	67.8	101.6





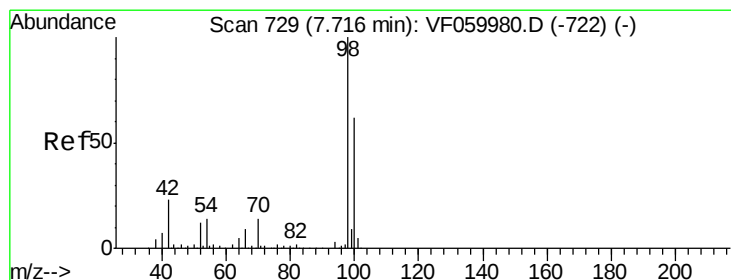
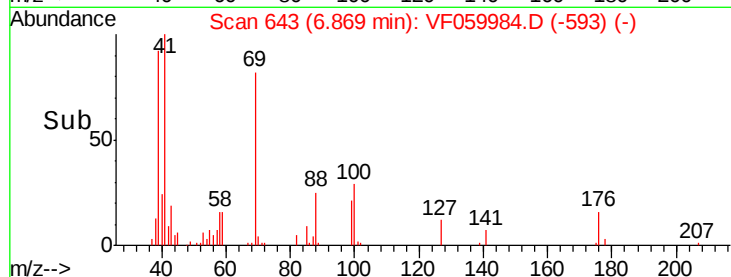
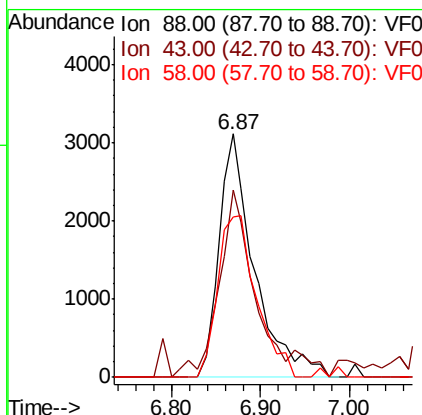
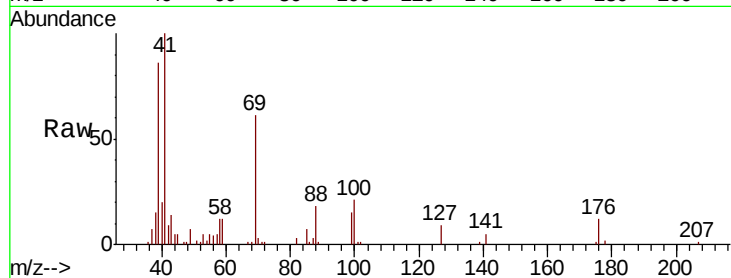
#49
1,4-Dioxane
Concen: 967.82 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	77.2	43.2	64.8#	
58	65.6	42.0	63.0#	

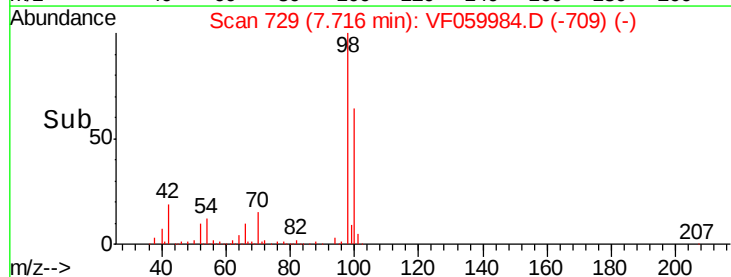
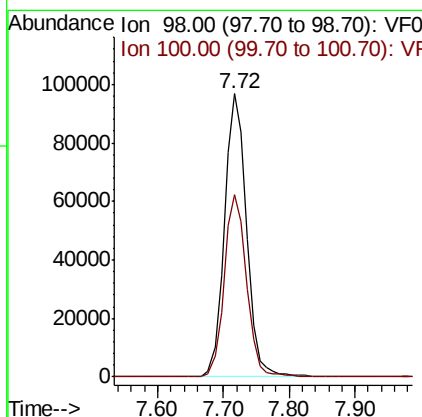
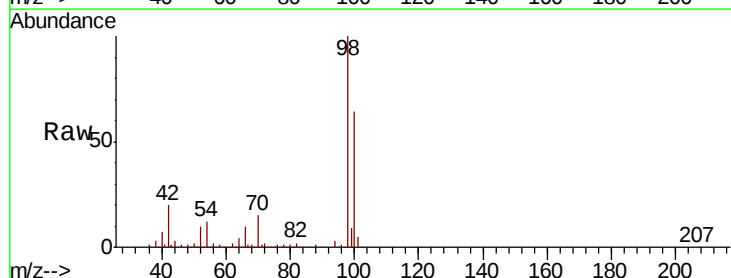
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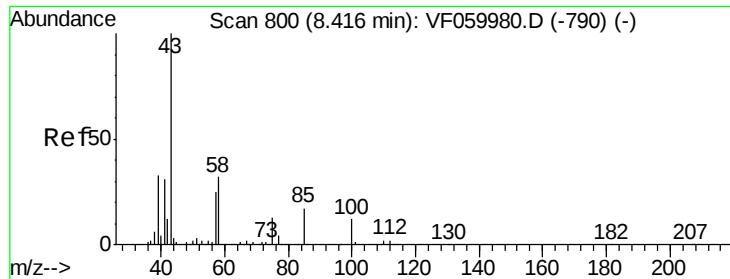
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#50
Toluene-d8
Concen: 50.96 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.2	49.8	74.8	





#51

4-Methyl-2-Pentanone

Concen: 239.65 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tot Ion: 43 Resp: 304989

Ion Ratio Lower Upper

43 100

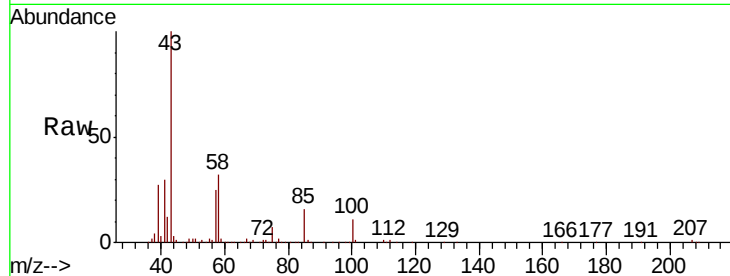
58 32.3 25.6 38.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

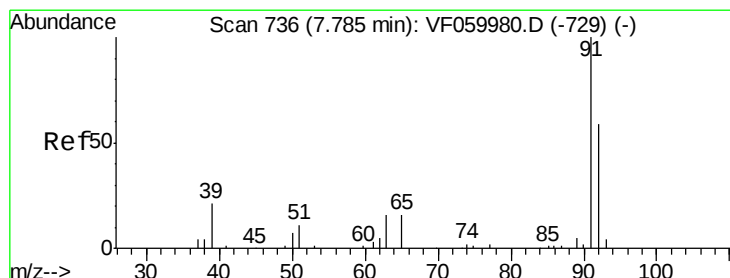
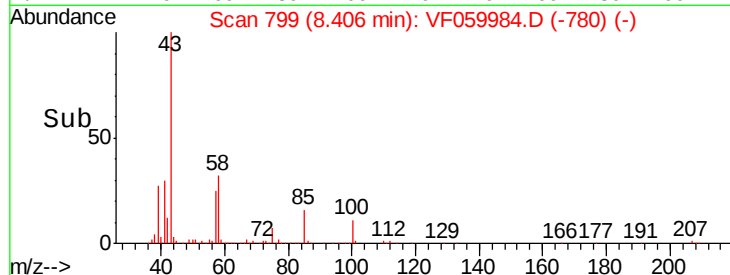
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 46.04 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059984.D

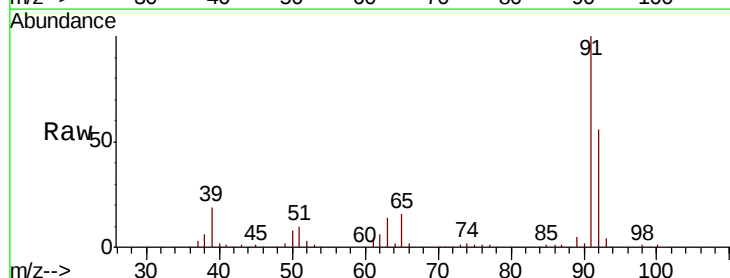
Acq: 17 Aug 2018 20:51

Tgt Ion: 92 Resp: 130615

Ion Ratio Lower Upper

92 100

91 178.6 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

120000

100000

80000

60000

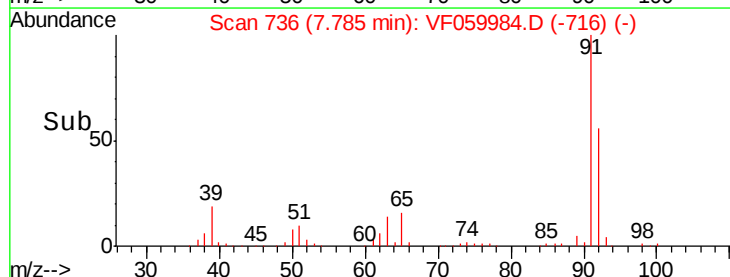
40000

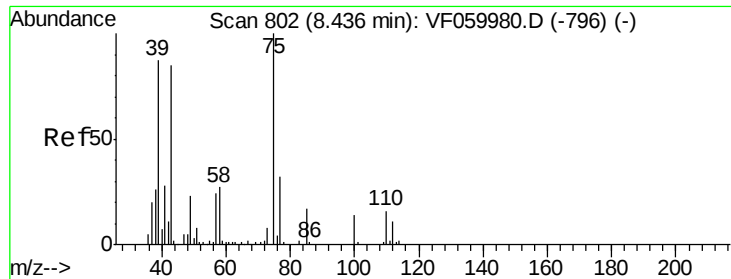
20000

0

7.70 7.80 7.90 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.33 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tot Ion: 75 Resp: 112825

Ion Ratio Lower Upper

75 100

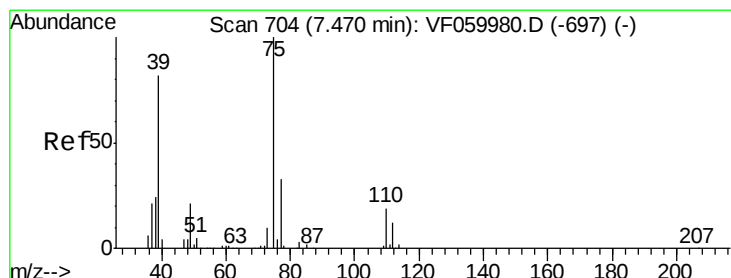
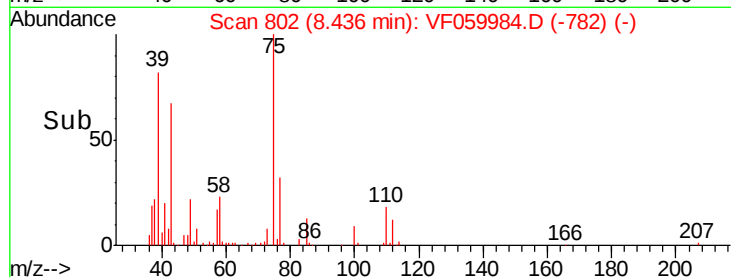
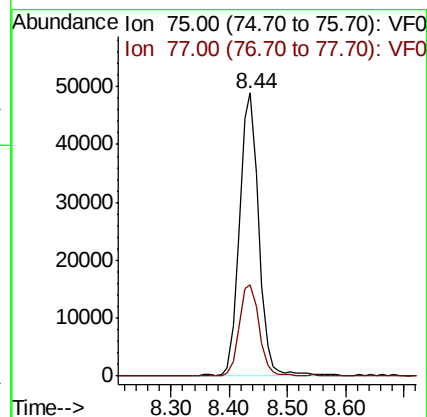
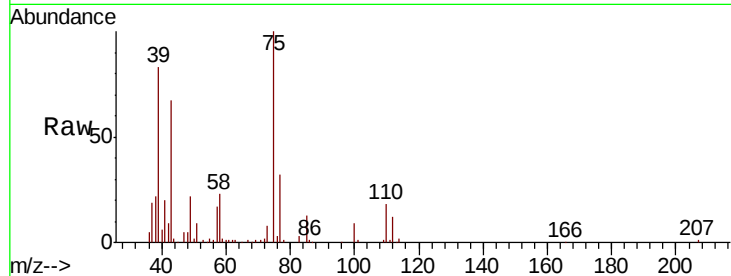
77 32.4 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 48.84 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

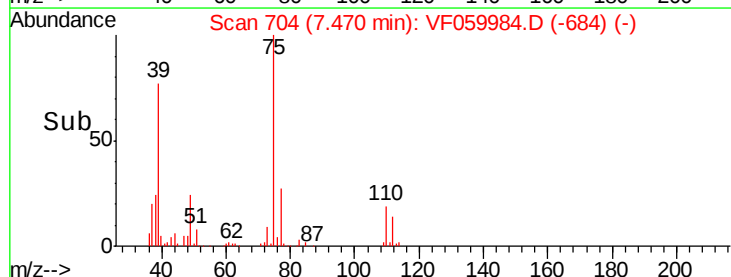
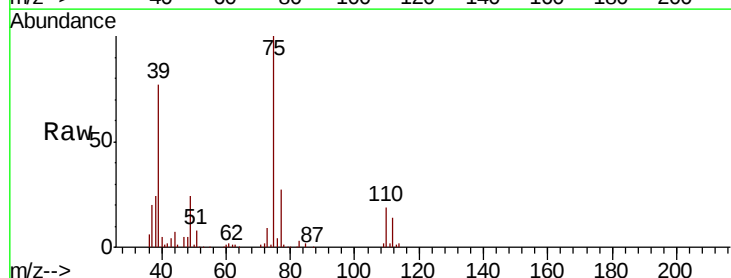
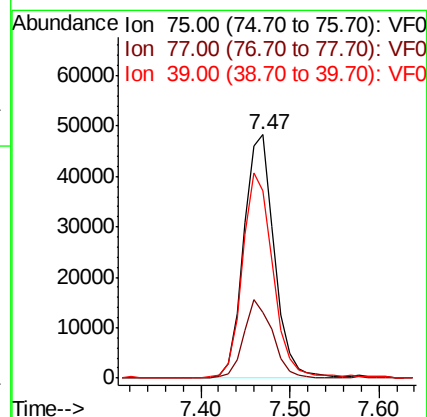
Tgt Ion: 75 Resp: 114814

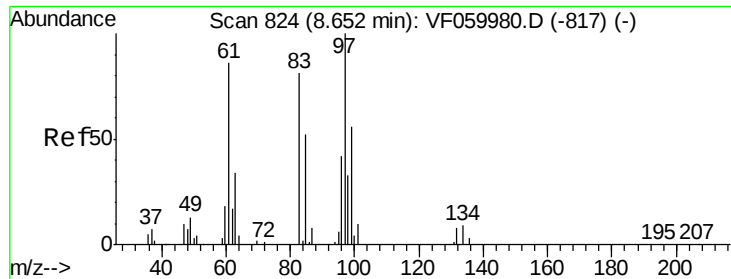
Ion Ratio Lower Upper

75 100

77 27.2 26.0 39.0

39 76.8 65.3 97.9





#55

1,1,2-Trichloroethane

Concen: 48.44 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

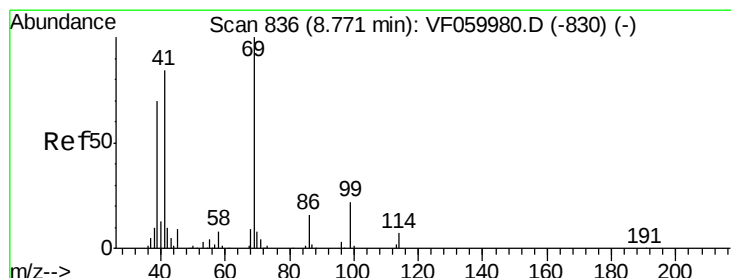
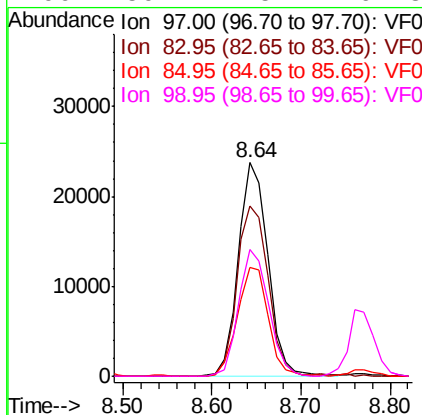
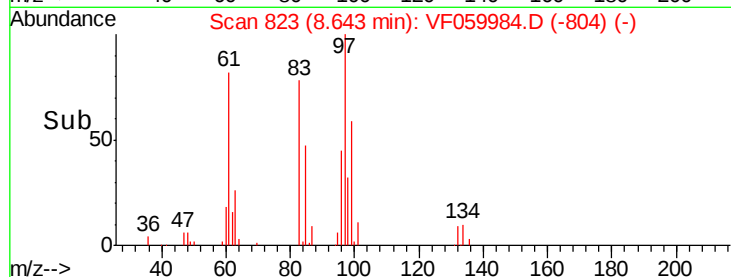
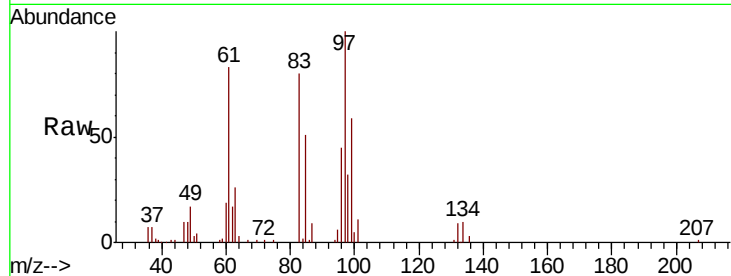
ClientSampleId :

ICVVF081718

Tot Ion:	97	Resp:	55128
Ion	Ratio	Lower	Upper
97	100		
83	79.7	64.9	97.3
85	51.1	41.8	62.6
99	59.1	45.2	67.8

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#56

Ethyl methacrylate

Concen: 50.31 ug/l

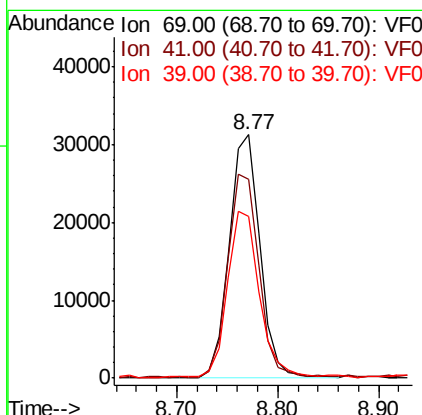
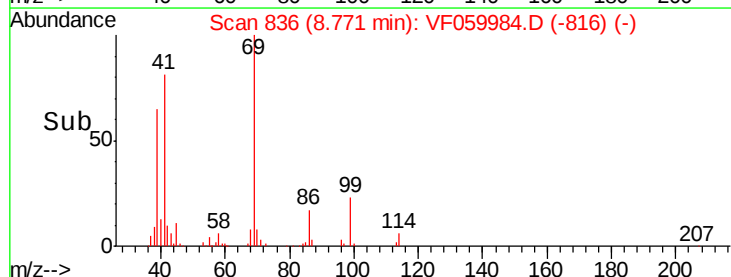
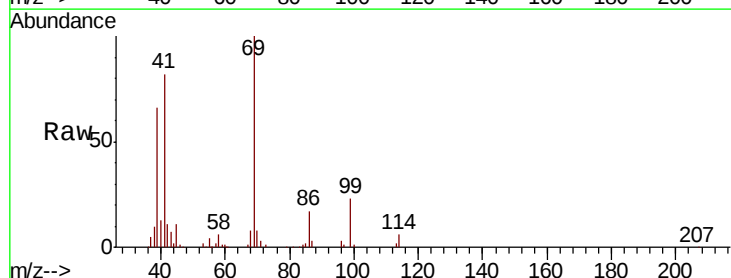
RT: 8.77 min Scan# 836

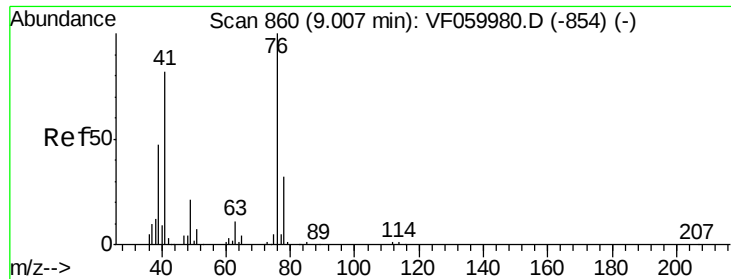
Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Tgt Ion:	69	Resp:	66336
Ion	Ratio	Lower	Upper
69	100		
41	81.5	67.8	101.6
39	66.3	55.8	83.6





#57

1,3-Dichloropropane

Concen: 48.47 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tot Ion: 76 Resp: 98316

Ion Ratio Lower Upper

76 100

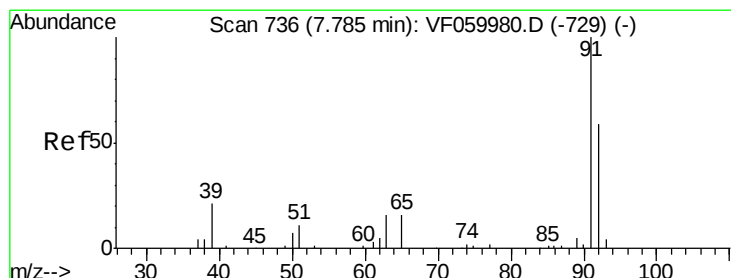
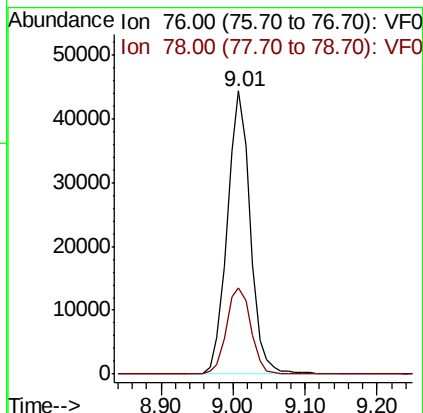
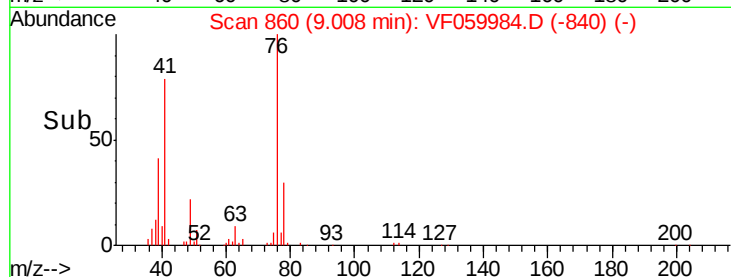
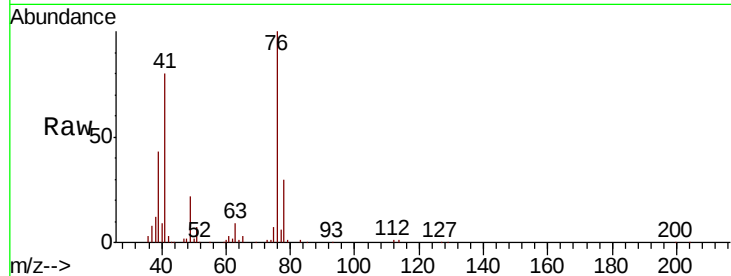
78 30.3 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 269.34 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059984.D

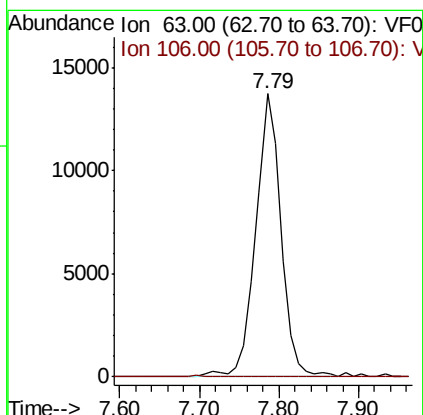
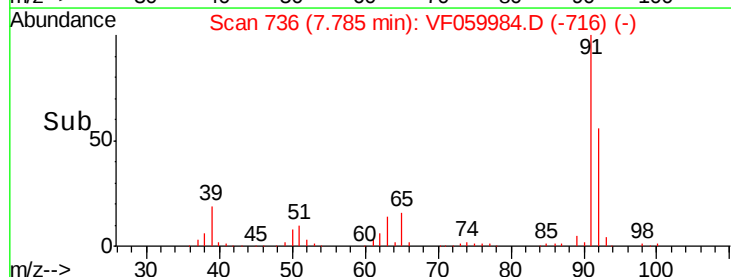
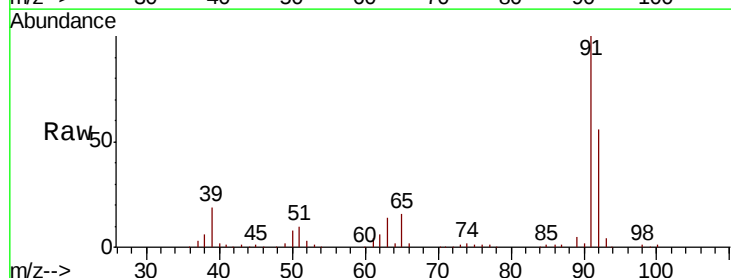
Acq: 17 Aug 2018 20:51

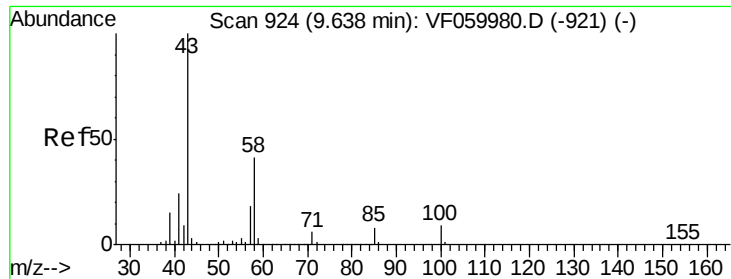
Tgt Ion: 63 Resp: 29787

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





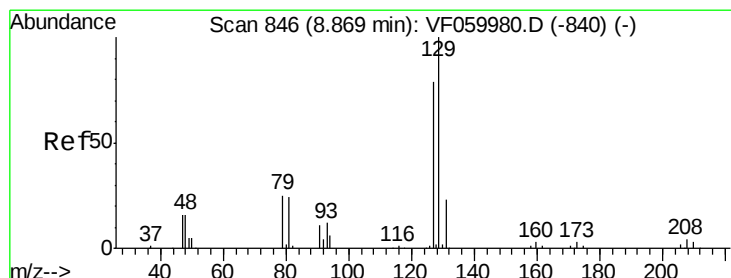
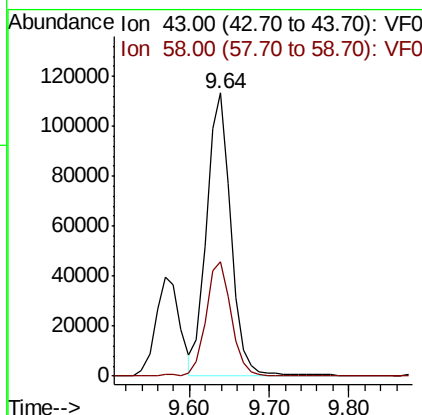
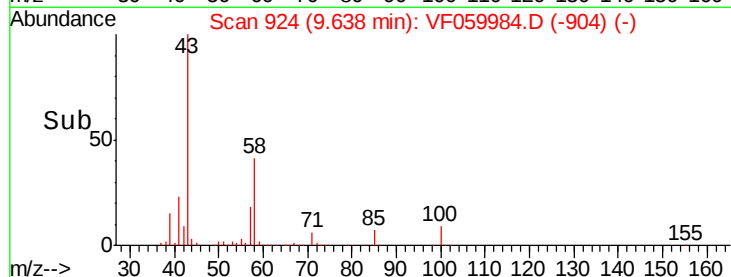
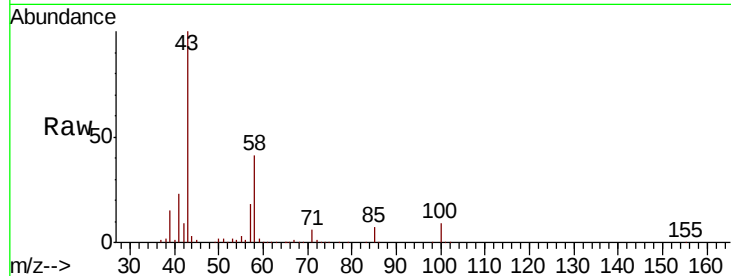
#59
2-Hexanone
Concen: 229.77 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	20.1	60.3

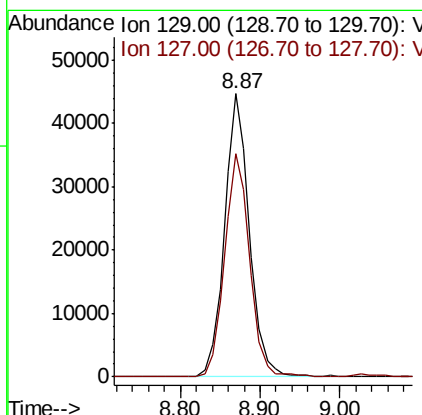
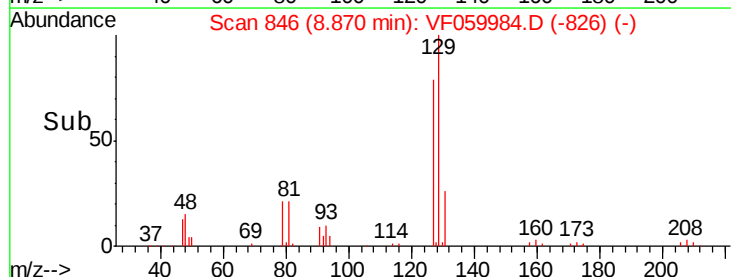
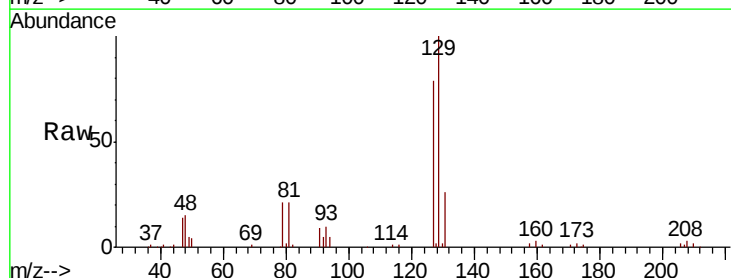
Manual Integrations
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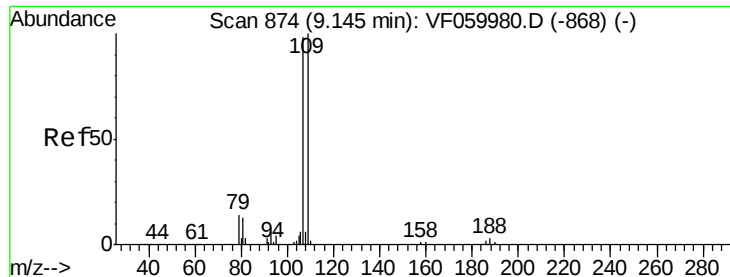
apatel
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#60
Dibromochloromethane
Concen: 46.99 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.5	118.5





#61

1,2-Dibromoethane

Concen: 47.29 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tot Ion:107 Resp: 67152

Ion Ratio Lower Upper

107 100

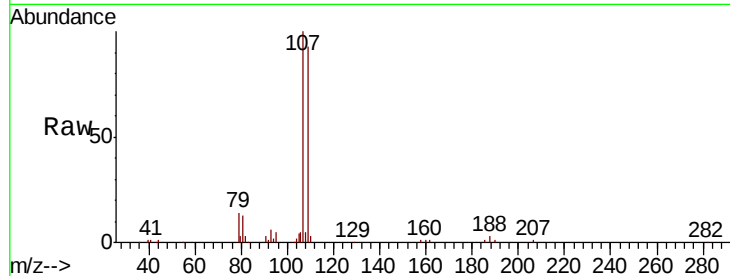
109 93.4 81.7 122.5

Manual Integrations

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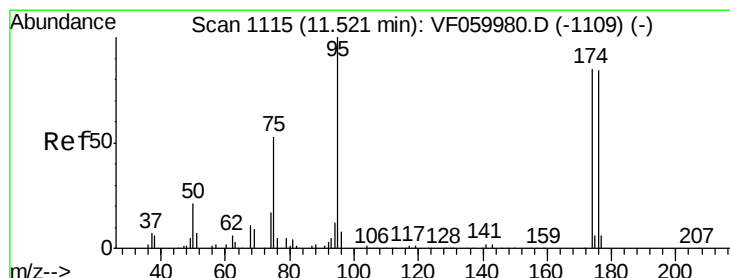
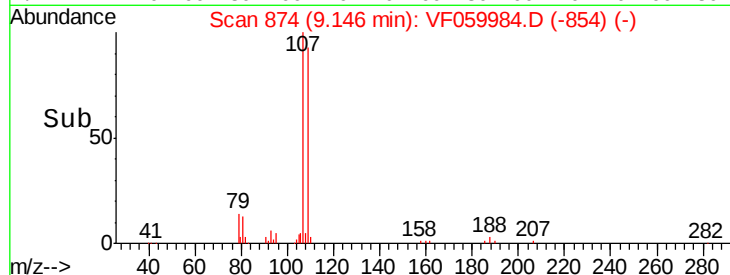
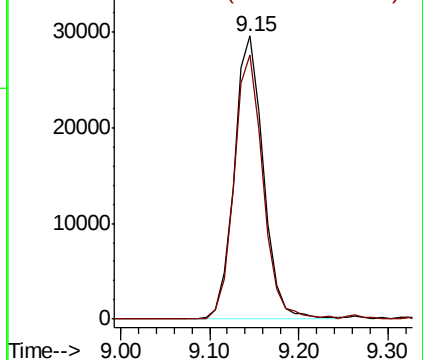
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.74 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

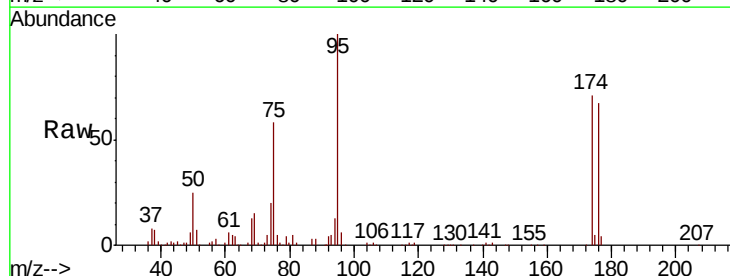
Tgt Ion: 95 Resp: 130928

Ion Ratio Lower Upper

95 100

174 71.4 0.0 169.8

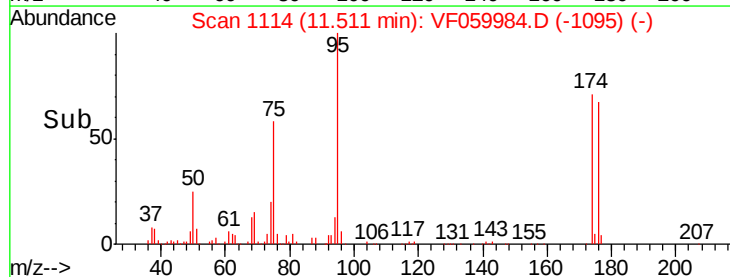
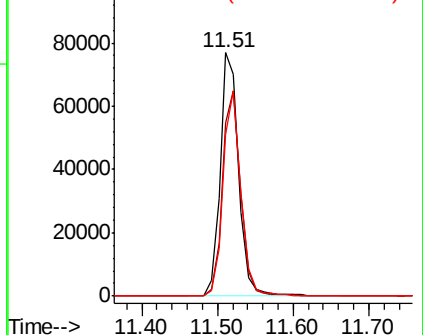
176 66.5 0.0 167.8

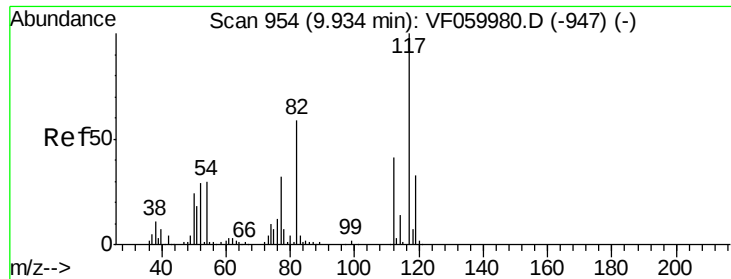


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





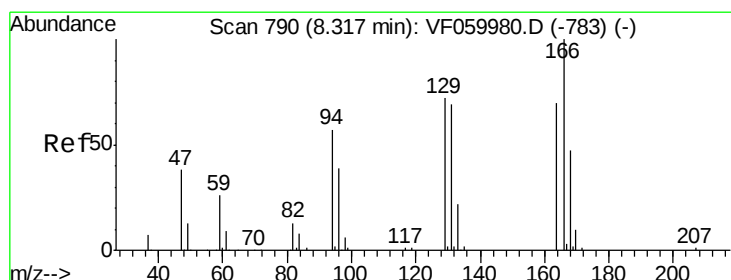
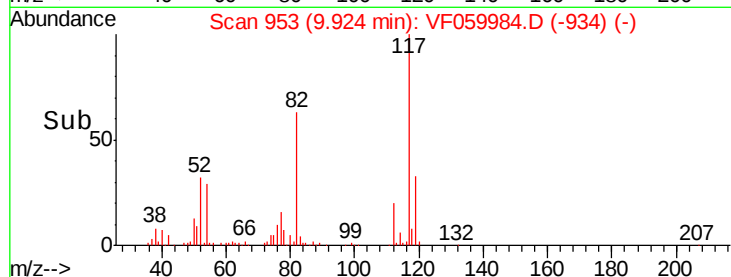
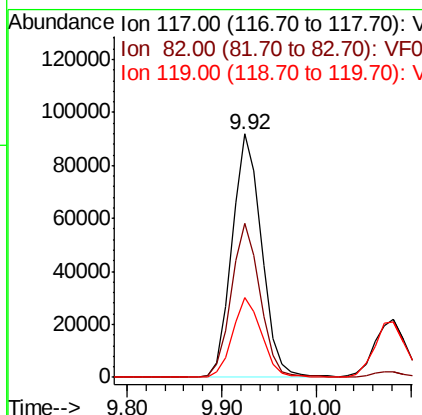
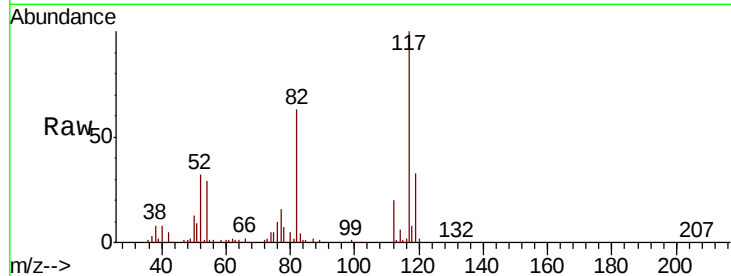
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Resp	Lower	Upper
117	100	198998		
82	63.1	47.2	70.8	
119	33.0	26.1	39.1	

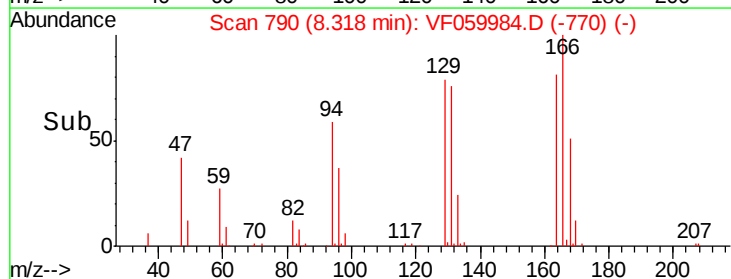
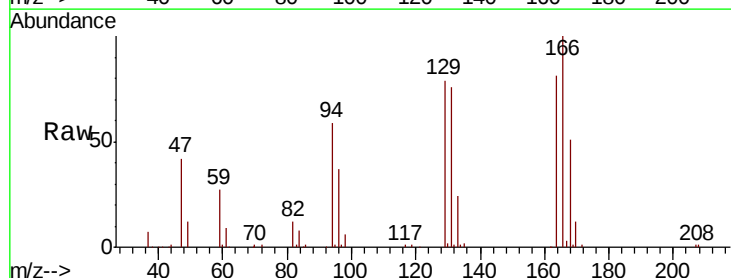
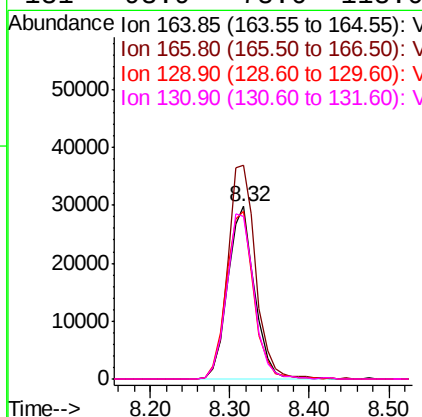
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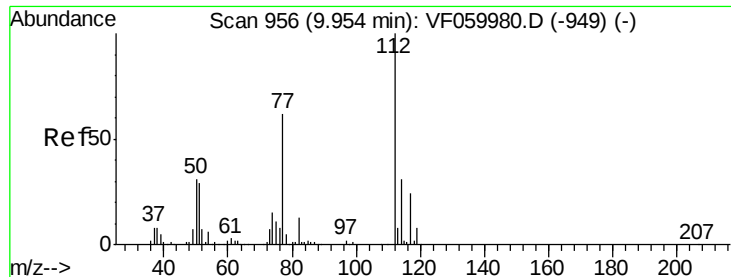
apatel
8/20/2018 11:48:39 AM



#64
Tetrachloroethene
Concen: 46.20 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	70059		
166	123.6	114.5	171.7	
129	97.1	82.3	123.5	
131	93.9	78.6	118.0	





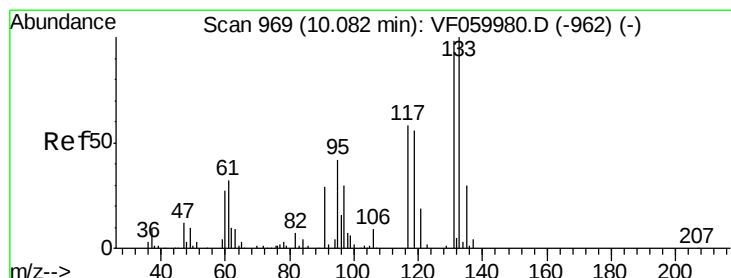
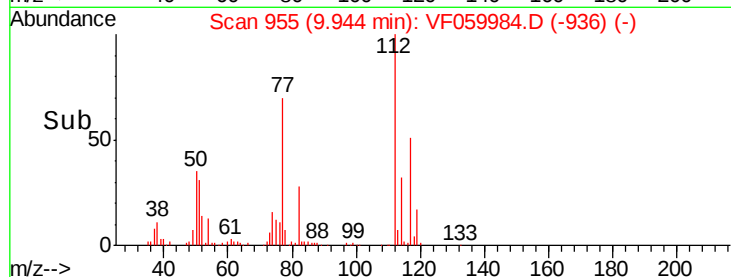
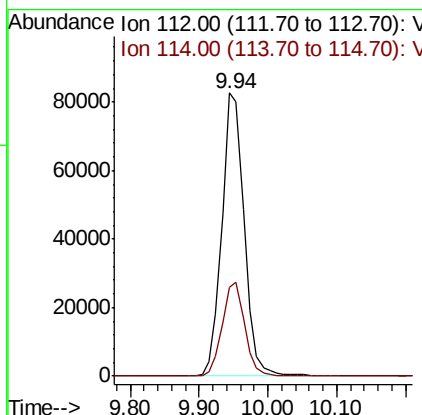
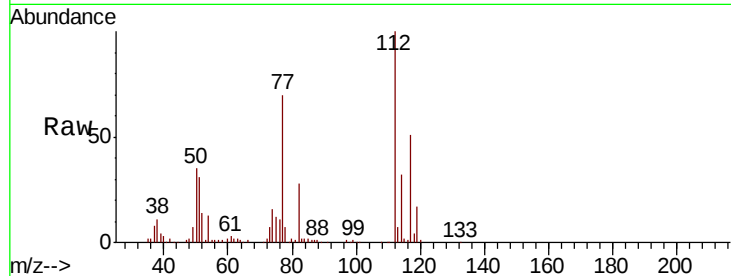
#65
Chlorobenzene
Concen: 47.31 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Resp	Lower	Upper
112	100	185801		
114	31.5	25.0	37.4	

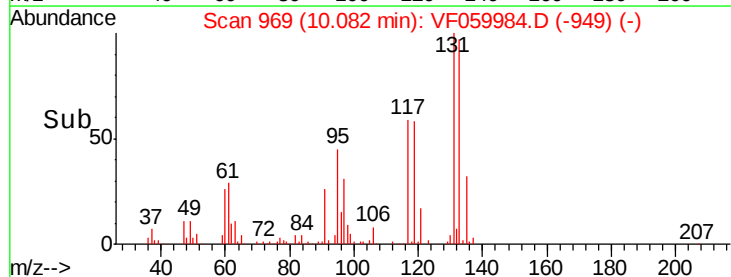
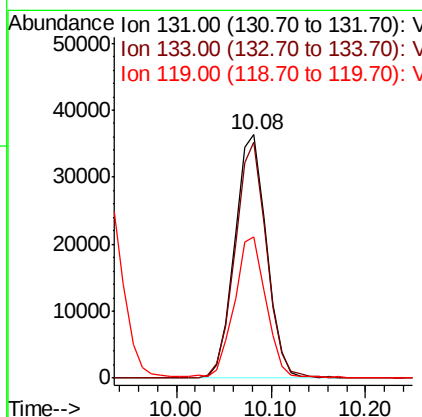
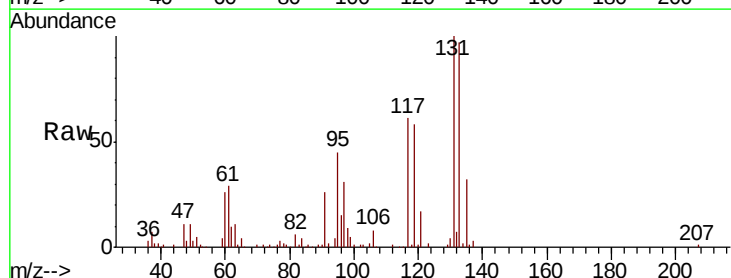
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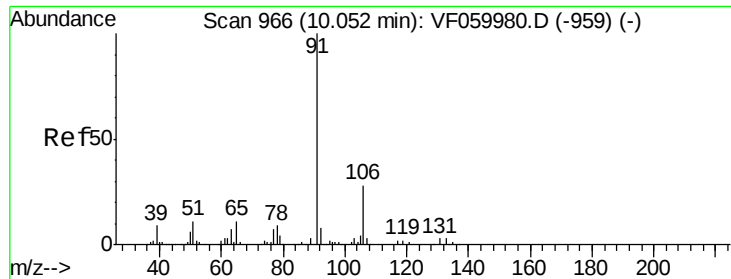
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.85 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	84653		
133	96.7	51.1	153.3	
119	58.2	29.0	87.1	





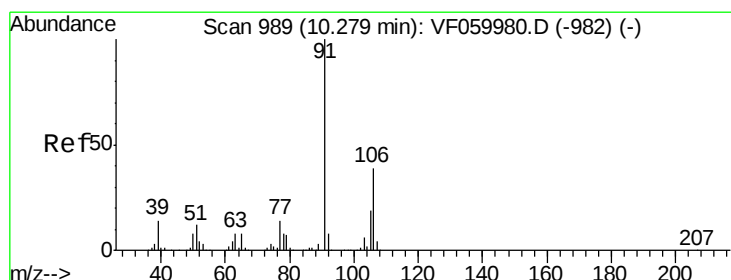
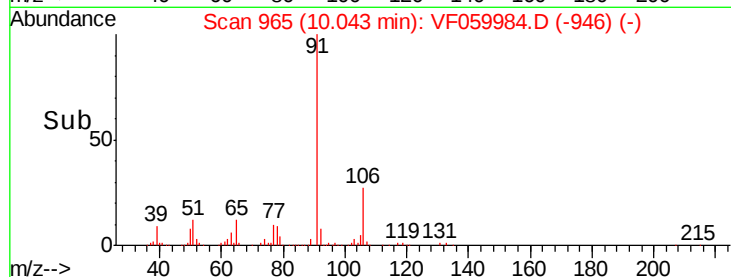
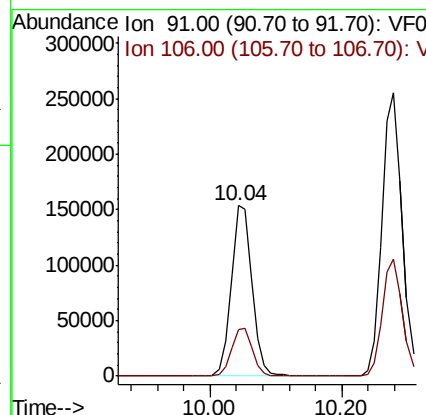
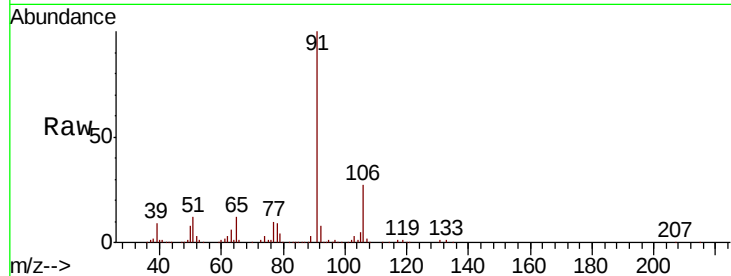
#67
Ethyl Benzene
Concen: 47.76 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion: 91 Resp: 340549
Ion Ratio Lower Upper
91 100
106 27.3 22.0 33.0

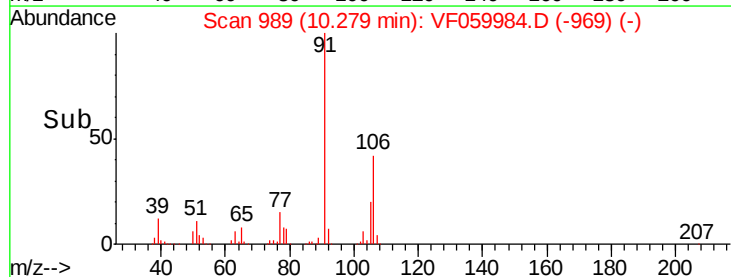
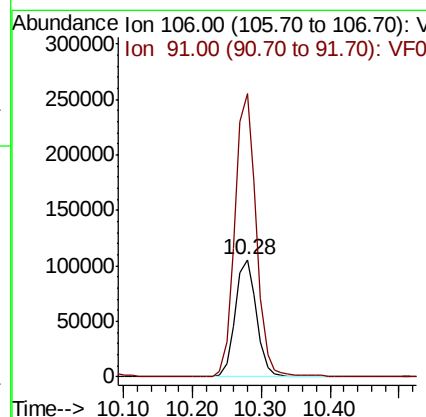
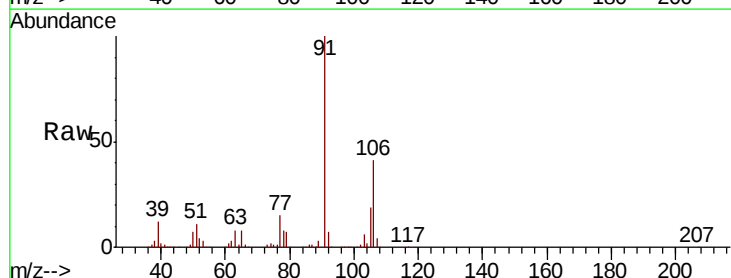
Manual Integrations
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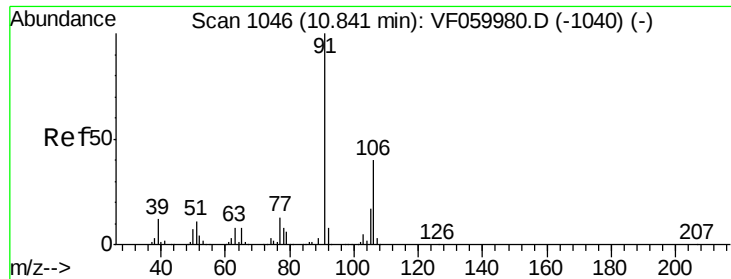
apatel
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#68
m/p-Xylenes
Concen: 91.74 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion: 106 Resp: 226656
Ion Ratio Lower Upper
106 100
91 241.4 203.5 305.3





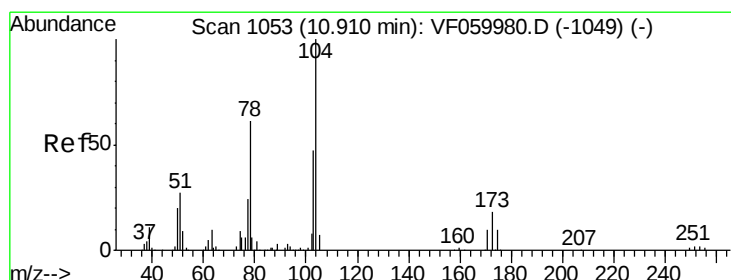
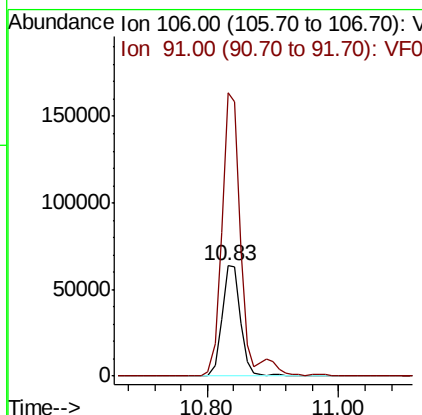
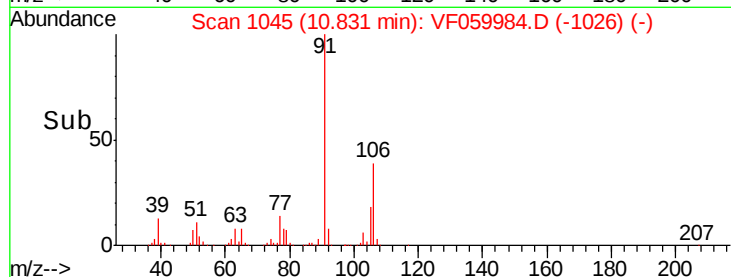
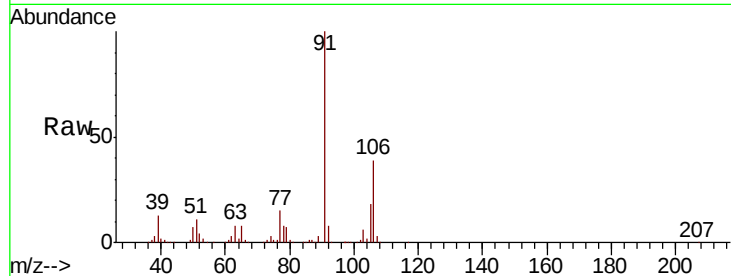
#69
o-Xylene
Concen: 49.81 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Lower	Upper
106	100		
91	256.7	125.4	376.2

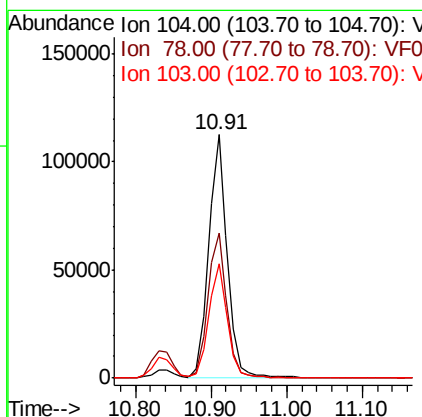
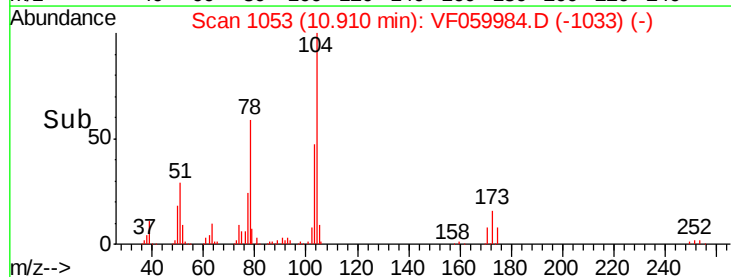
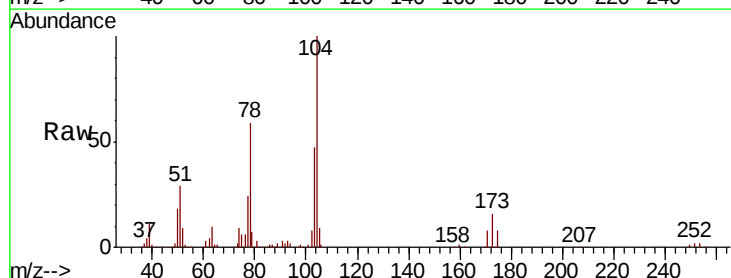
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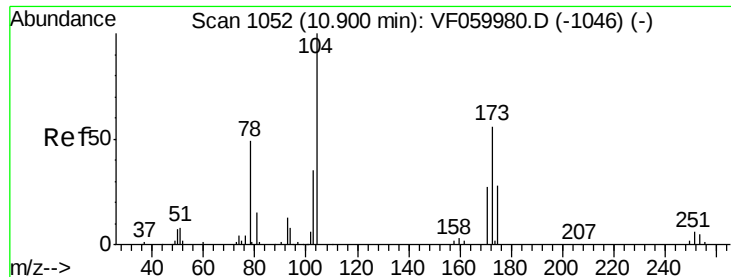
apatel
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#70
Styrene
Concen: 47.79 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	59.5	49.0	73.6
103	46.8	38.2	57.4





#71

Bromoform

Concen: 48.81 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tot Ion:173 Resp: 65214

Ion Ratio Lower Upper

173 100

175 47.5 24.8 74.3

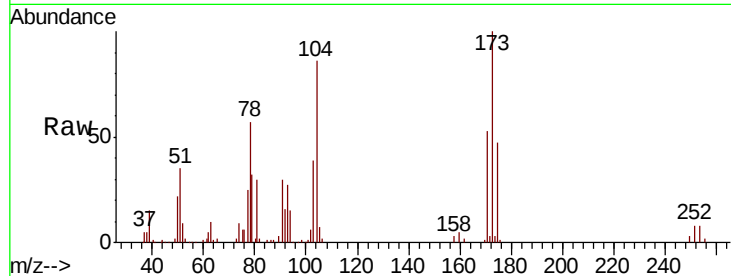
254 0.0 0.0 0.0

Manual Integrations

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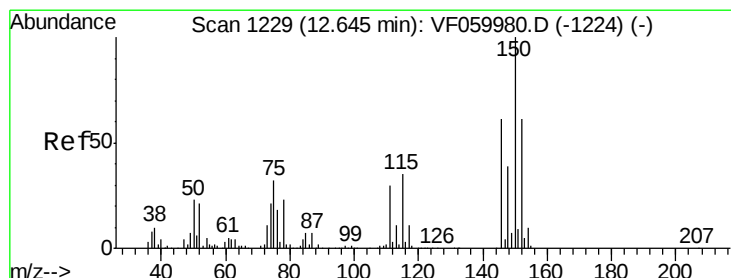
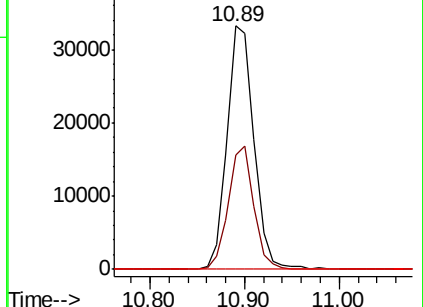
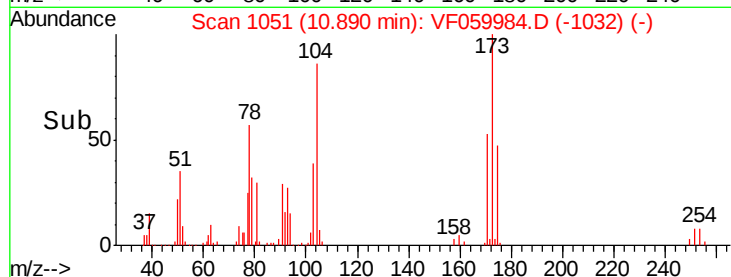
8/20/2018 11:48:39 AM



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: VF059984.D

Acq: 17 Aug 2018 20:51

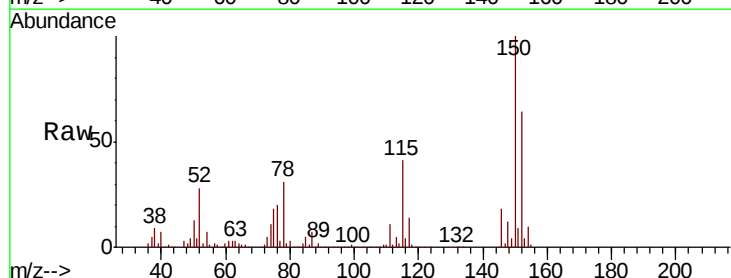
Tgt Ion:152 Resp: 131240

Ion Ratio Lower Upper

152 100

115 64.4 29.1 87.3

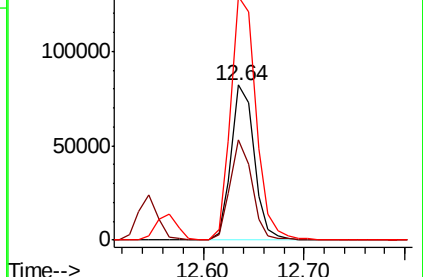
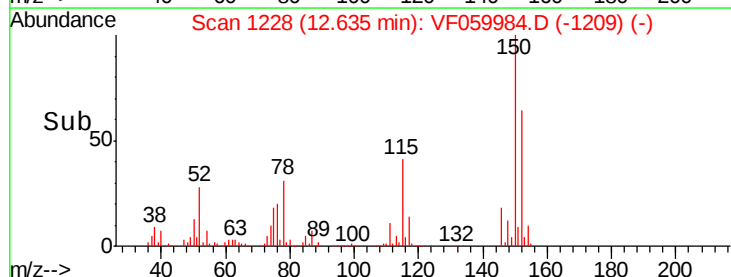
150 157.3 0.0 330.2

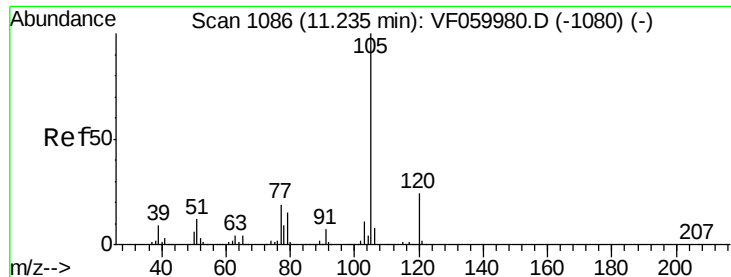


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.32 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tot Ion: 105 Resp: 403780

Ion Ratio Lower Upper

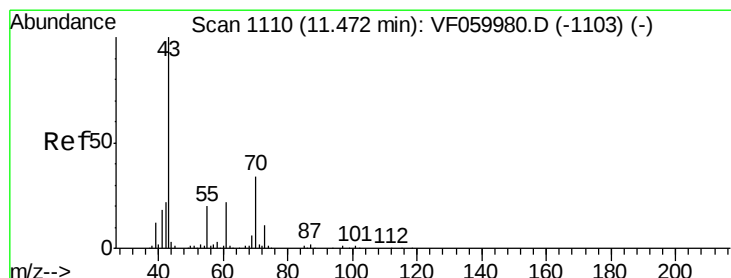
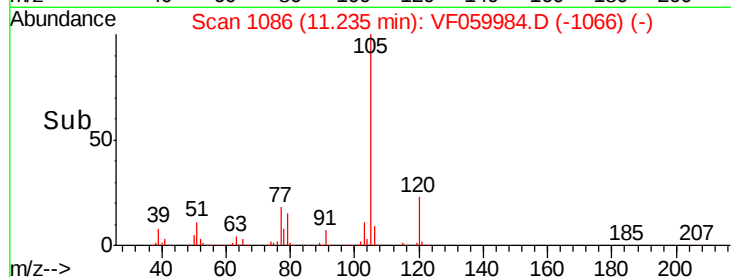
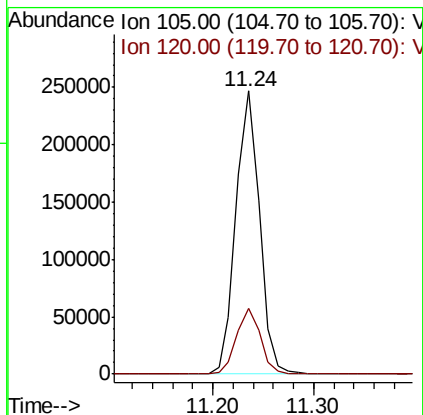
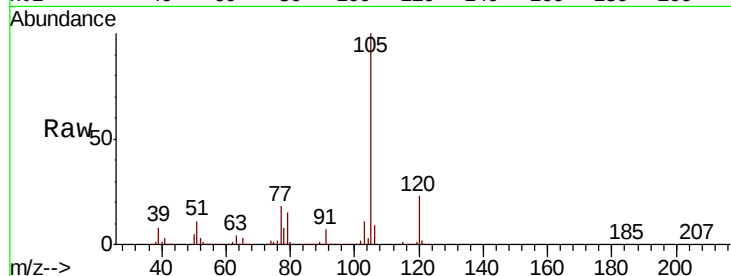
105 100

120 23.4 11.9 35.5

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#74

N-ethyl acetate

Concen: 51.72 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Tgt Ion: 43 Resp: 115467

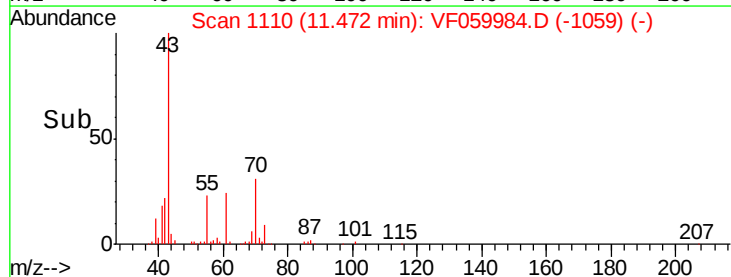
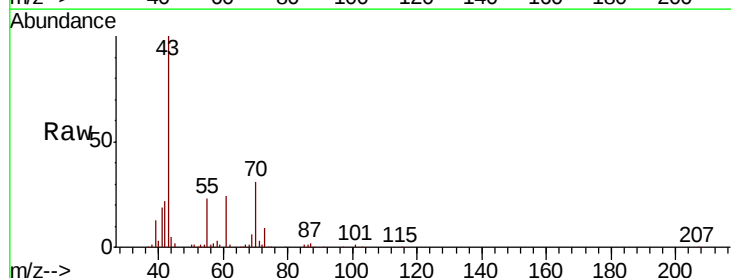
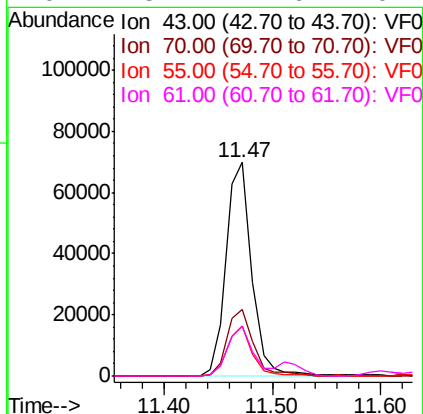
Ion Ratio Lower Upper

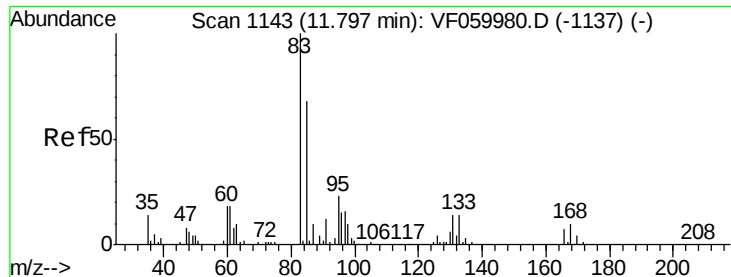
43 100

70 31.3 27.2 40.8

55 23.4 16.4 24.6

61 23.7 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.37 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

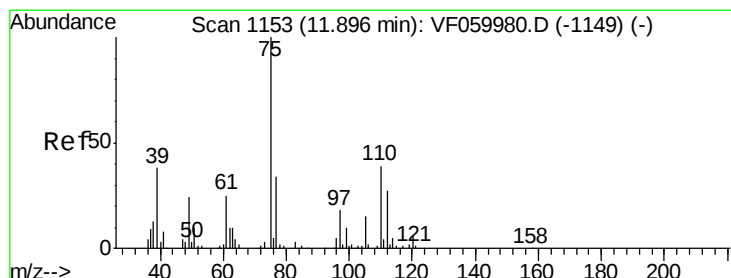
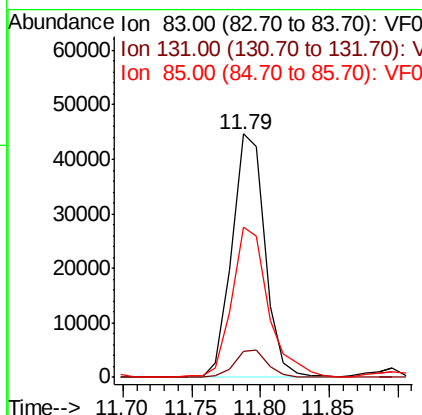
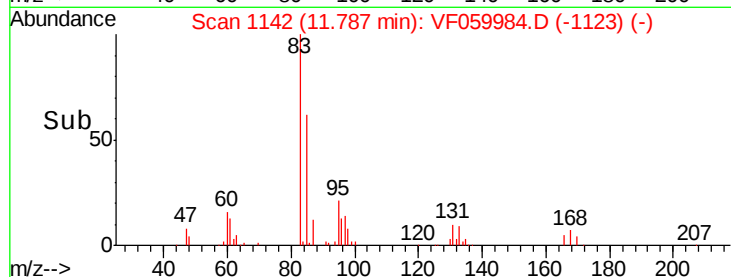
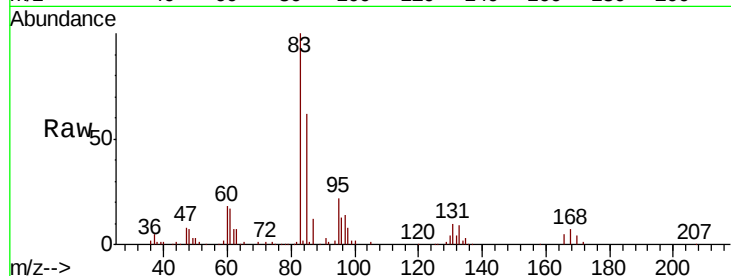
ClientSampleId :

ICVVF081718

Tot Ion	83	Resp	74715
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	7.2	21.6
85	61.9	34.1	102.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.21 ug/l

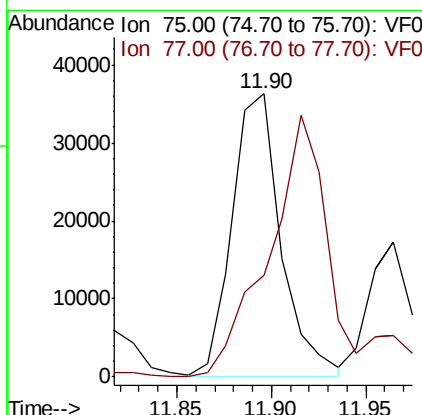
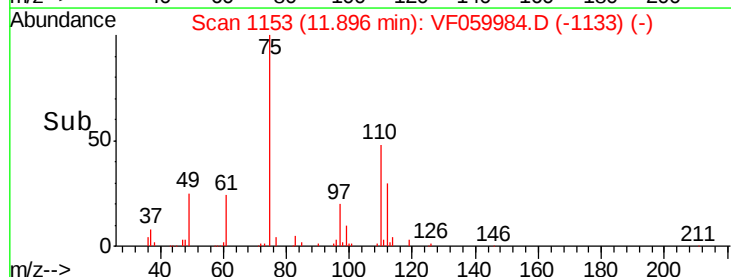
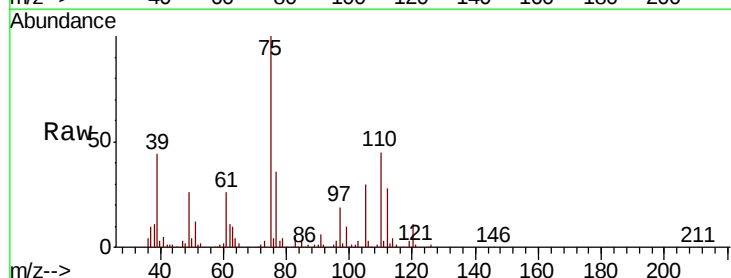
RT: 11.90 min Scan# 1153

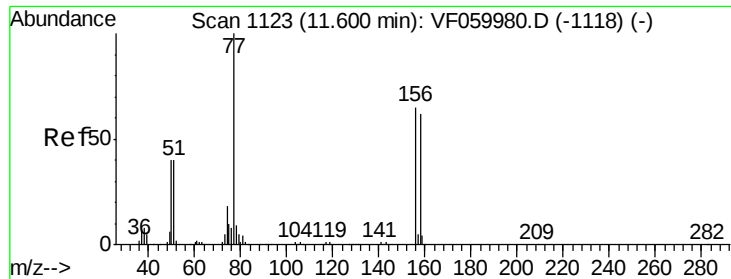
Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Tgt Ion	75	Resp	64598
Ion Ratio	100	Lower	Upper
75	100		
77	36.0	17.1	51.3





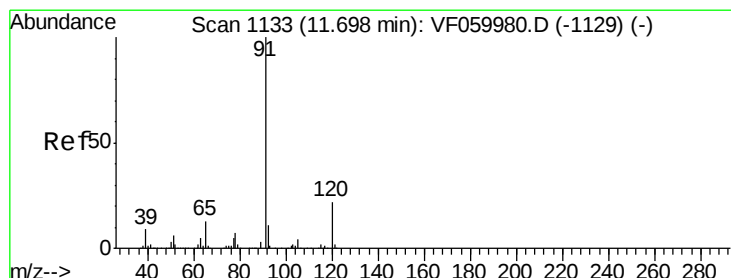
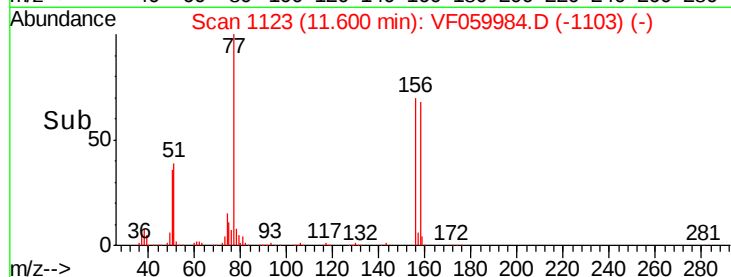
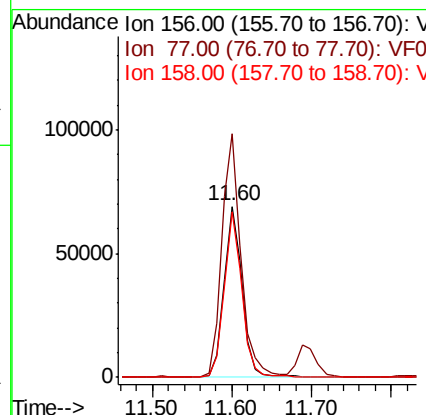
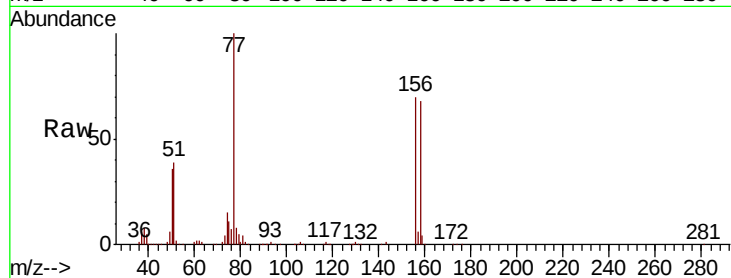
#77
Bromobenzene
Concen: 50.54 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Lower	Upper
156	100		
77	142.6	76.9	230.7
158	97.0	47.7	143.1

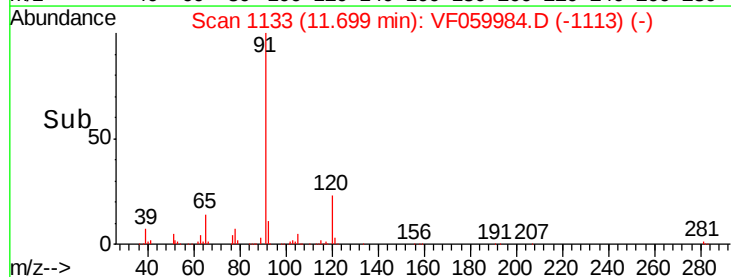
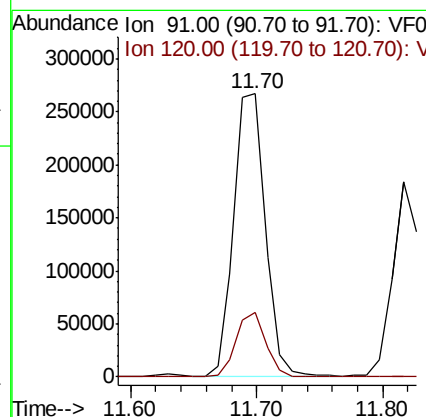
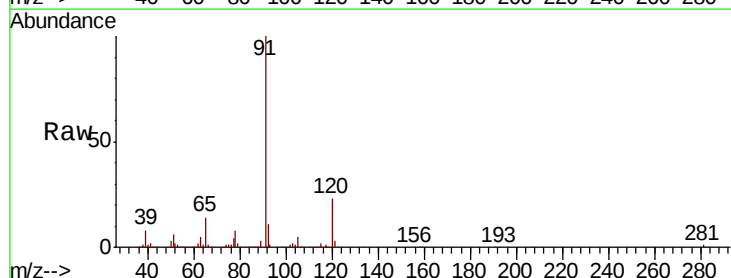
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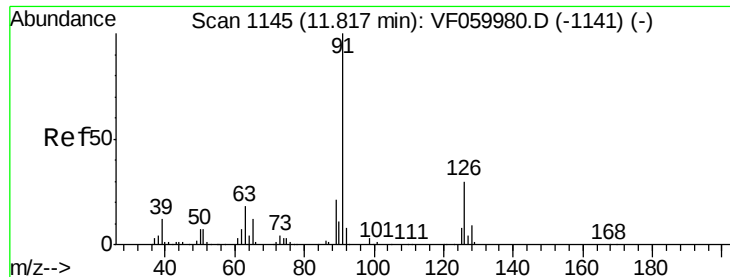
apatel
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#78
n-propylbenzene
Concen: 47.22 ug/l
RT: 11.70 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.0	33.0





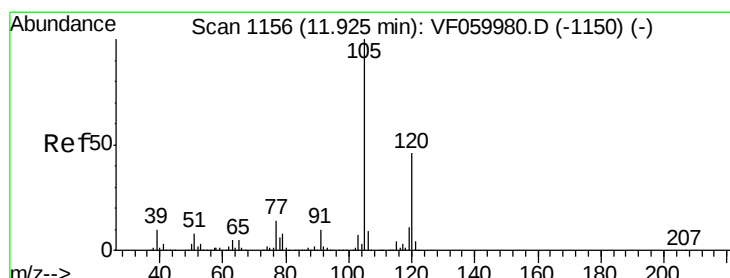
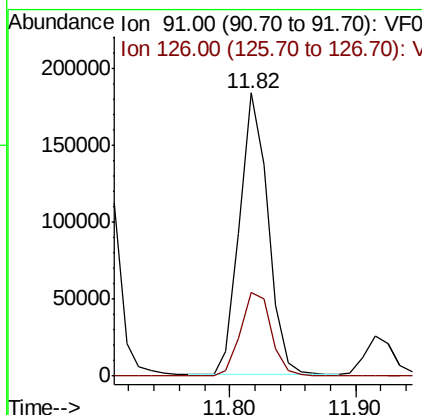
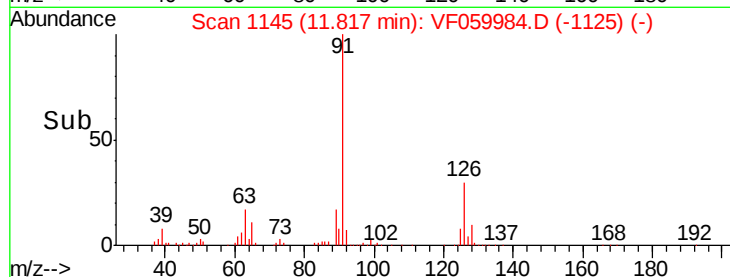
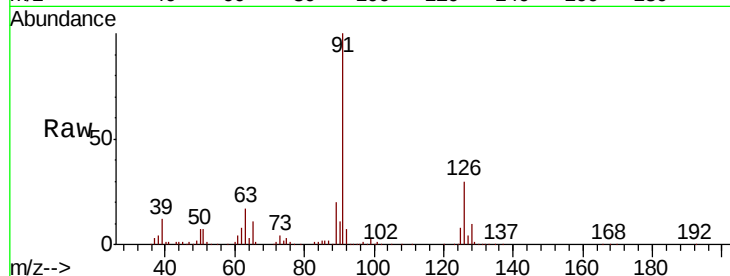
#79
 2-Chlorotoluene
 Concen: 48.08 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081718

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.7	44.1

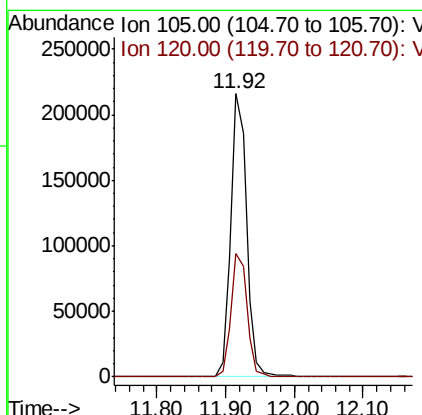
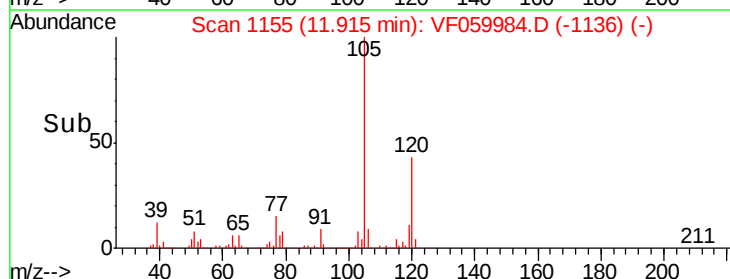
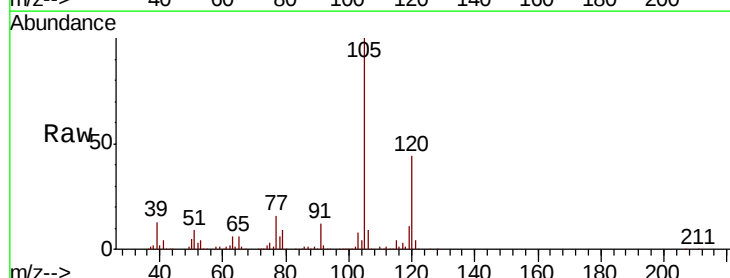
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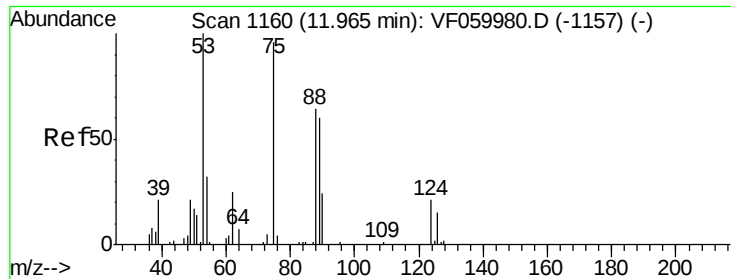
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.54 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.9	68.7





#81

trans-1,4-Dichloro-2-butene

Concen: 49.77 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

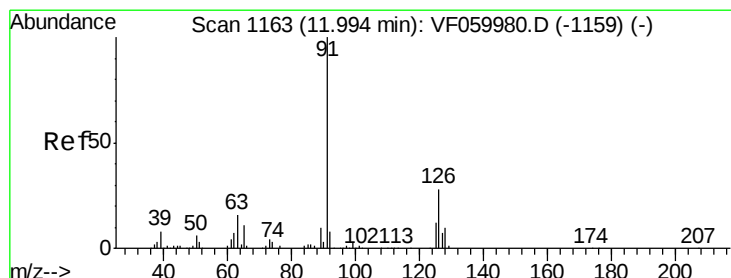
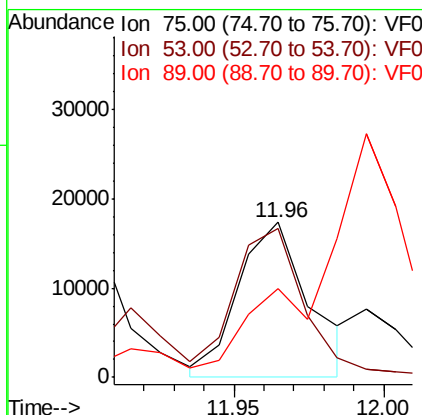
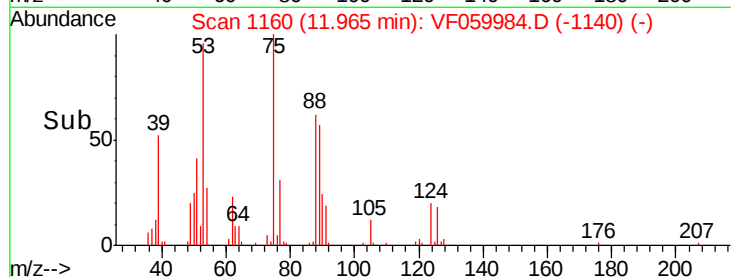
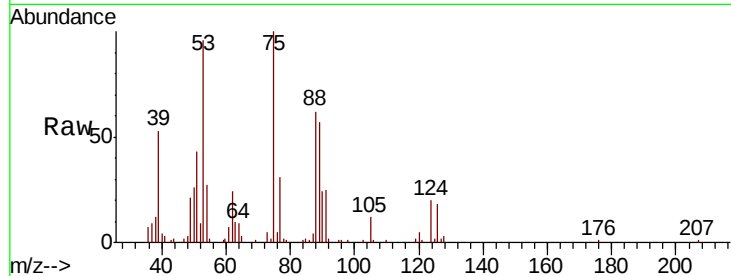
ClientSampleId :

ICVVF081718

Tot Ion:	75	Resp:	28740
Ion	Ratio	Lower	Upper
75	100		
53	96.5	87.4	131.0
89	56.9	52.8	79.2

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#82

4-Chlorotoluene

Concen: 49.03 ug/l

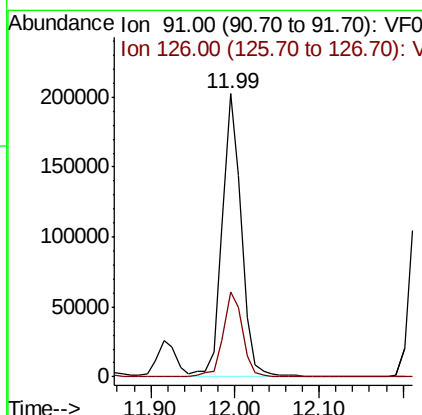
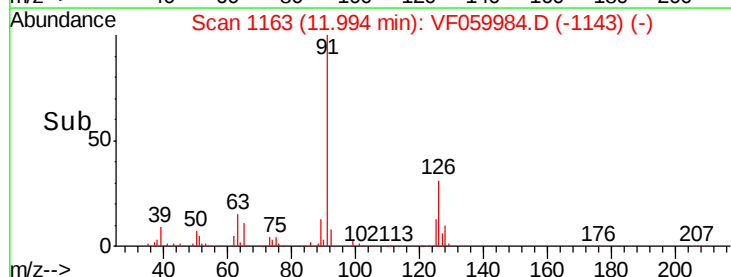
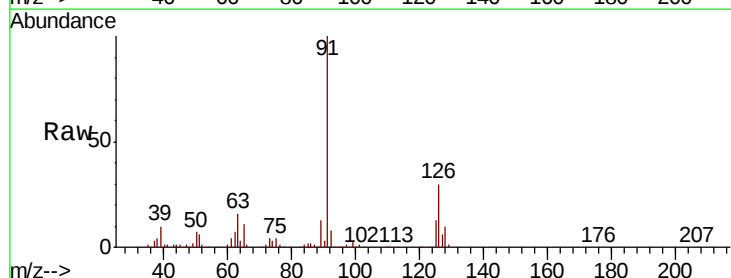
RT: 11.99 min Scan# 1163

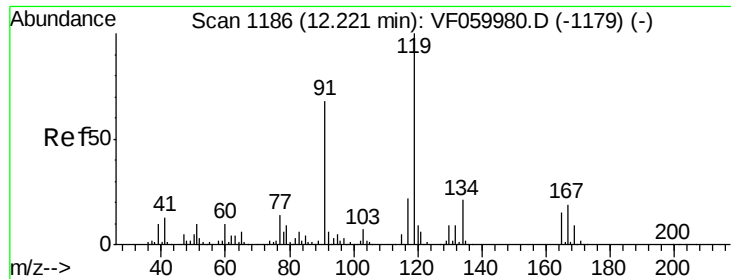
Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Tgt Ion:	91	Resp:	318368
Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.1	42.4





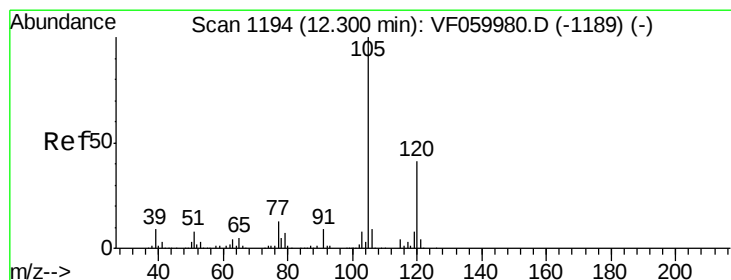
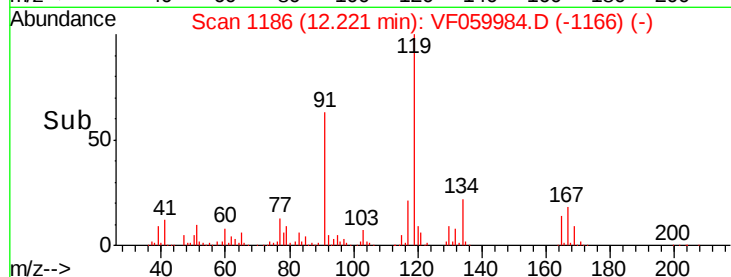
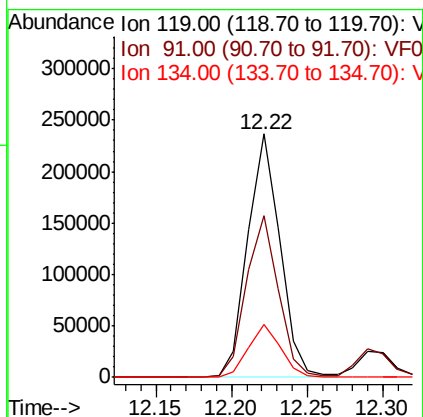
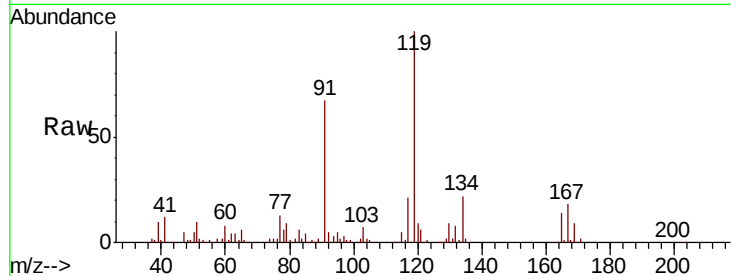
#83
tert-Butylbenzene
Concen: 50.82 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Resp	Lower	Upper
119	100	355181		
91	66.7		34.1	102.2
134	21.6		10.5	31.6

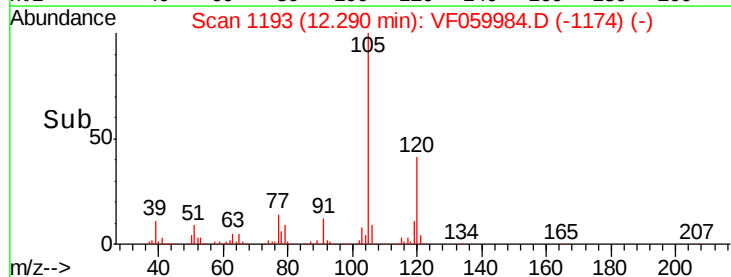
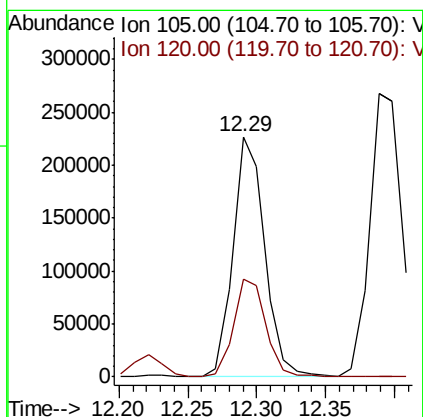
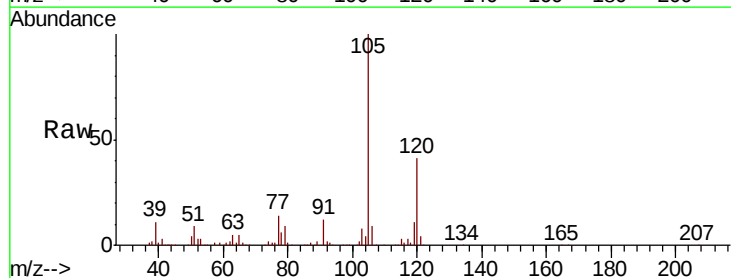
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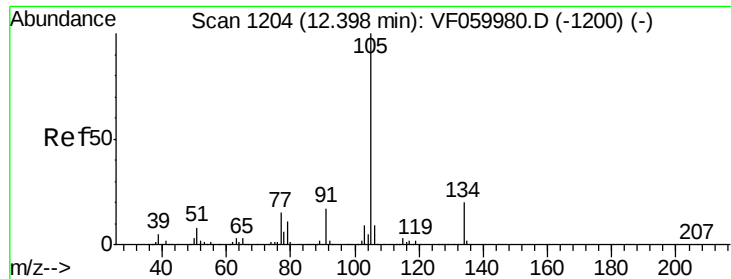
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#84
1,2,4-Trimethylbenzene
Concen: 48.44 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	362845		
120	40.6		20.9	62.7





#85

sec-Butylbenzene

Concen: 47.71 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tot Ion:105 Resp: 440766

Ion Ratio Lower Upper

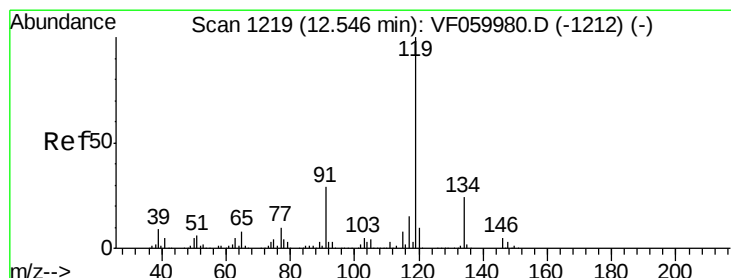
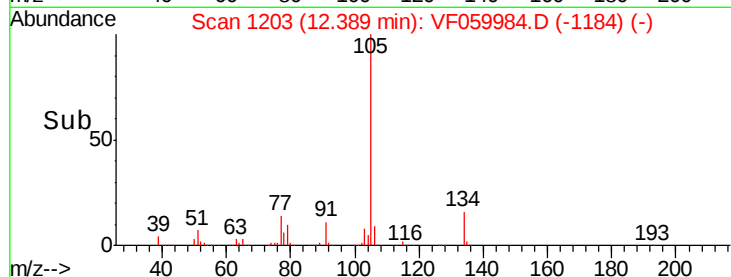
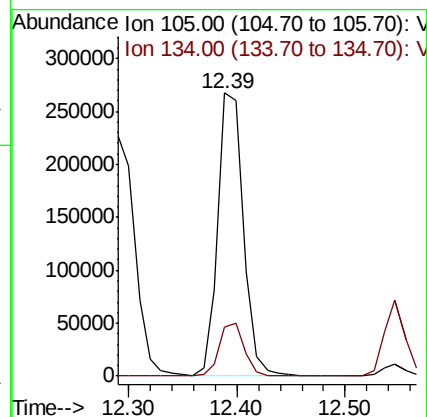
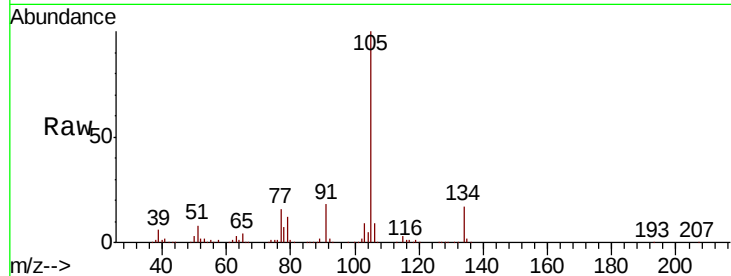
105 100

134 17.4 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 49.18 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

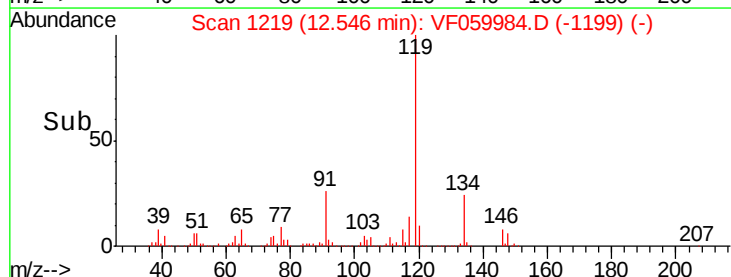
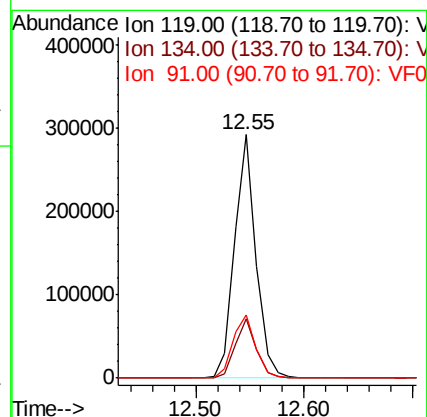
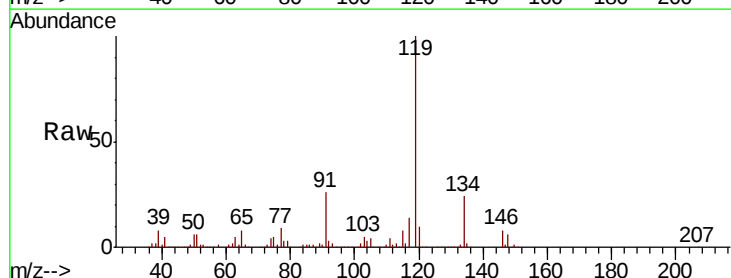
Tgt Ion:119 Resp: 401846

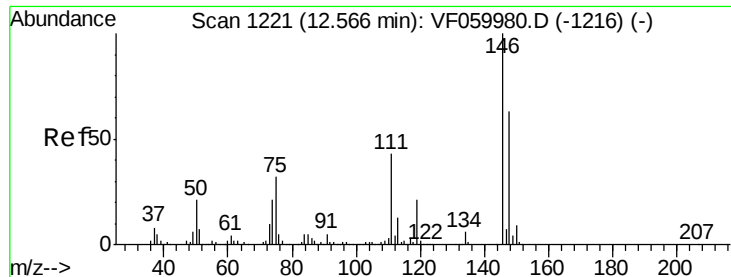
Ion Ratio Lower Upper

119 100

134 24.4 12.1 36.3

91 26.2 14.4 43.4





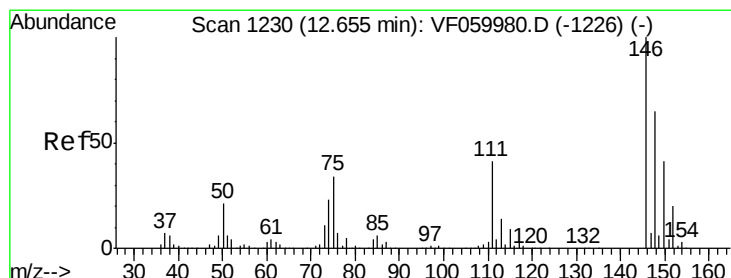
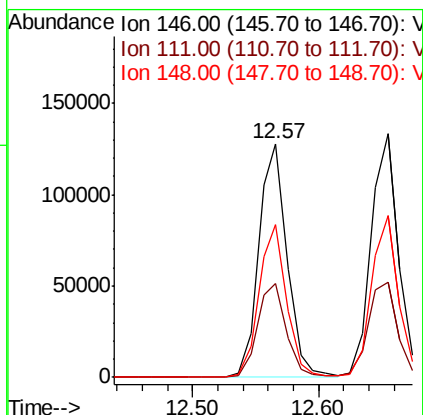
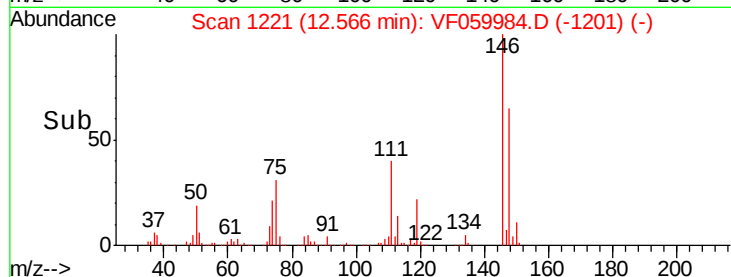
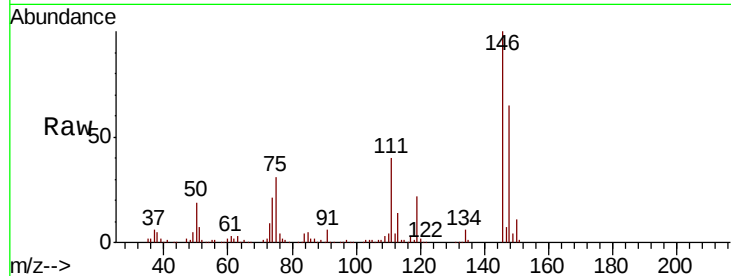
#87
 1,3-Dichlorobenzene
 Concen: 47.71 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081718

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.3	63.7
148	65.1	31.6	95.0

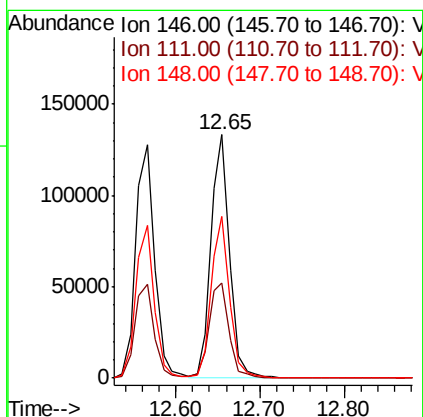
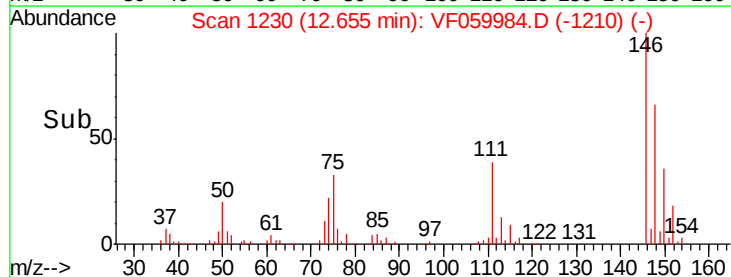
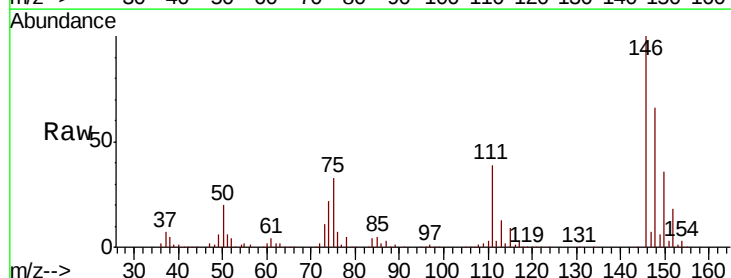
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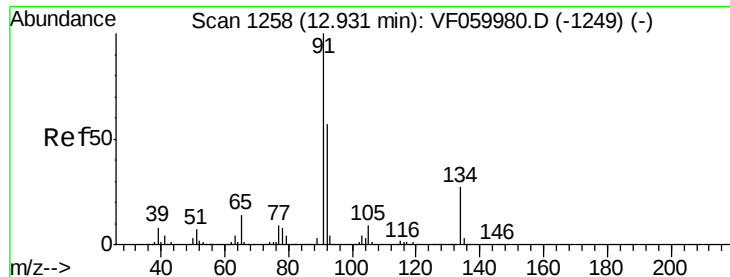
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#88
 1,4-Dichlorobenzene
 Concen: 49.82 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.3	61.0
148	66.5	32.6	97.8





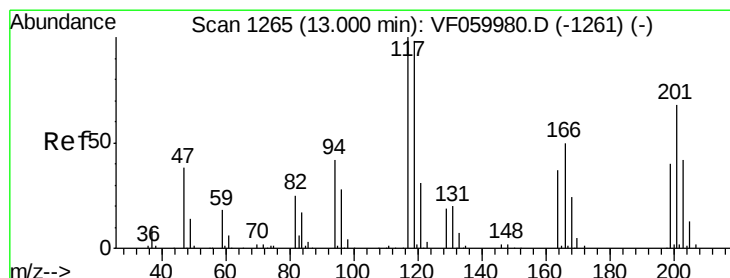
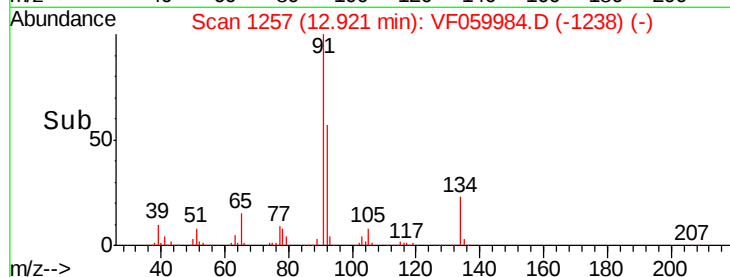
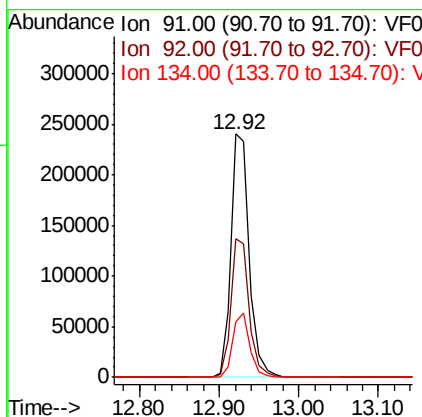
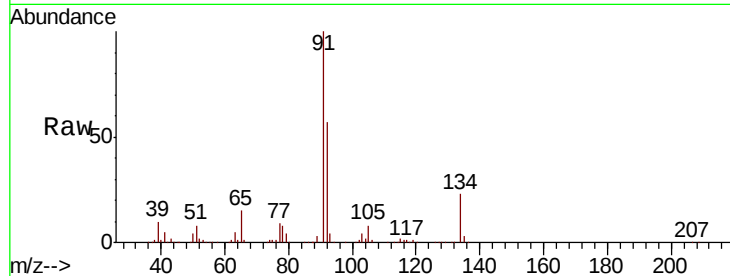
#89
n-Butylbenzene
Concen: 49.26 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.0	28.7	86.3
134	22.7	13.3	39.9

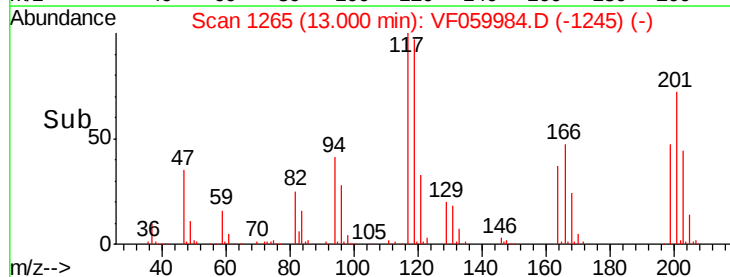
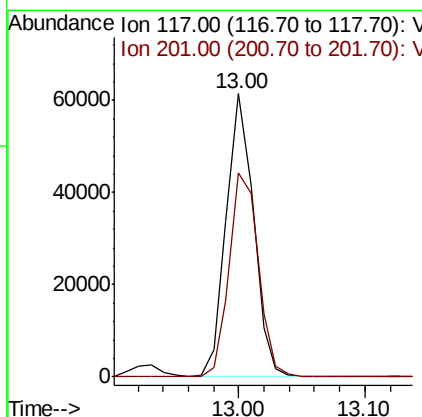
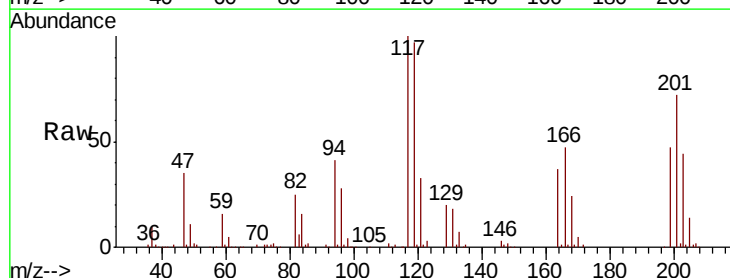
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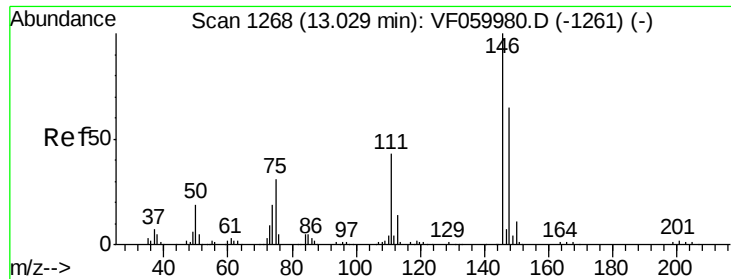
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#90
Hexachloroethane
Concen: 50.10 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.9	34.5	103.5





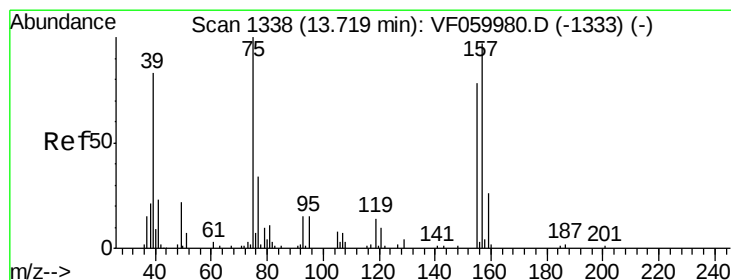
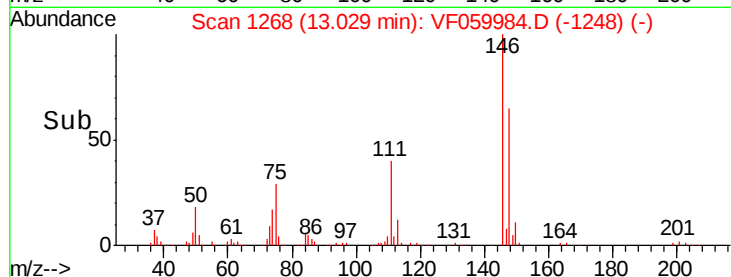
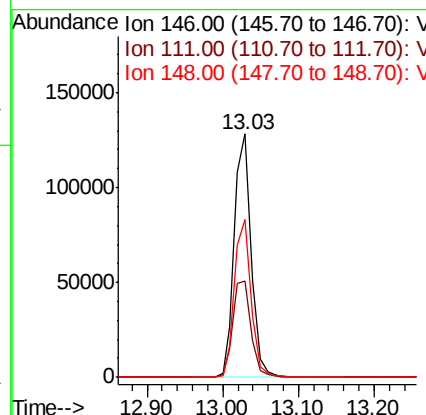
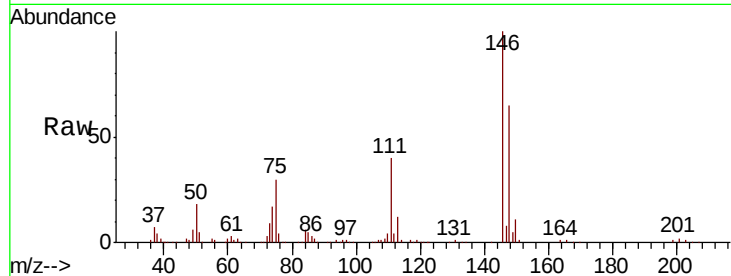
#91
 1,2-Dichlorobenzene
 Concen: 49.09 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081718

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.4	64.3
148	64.9	32.5	97.4

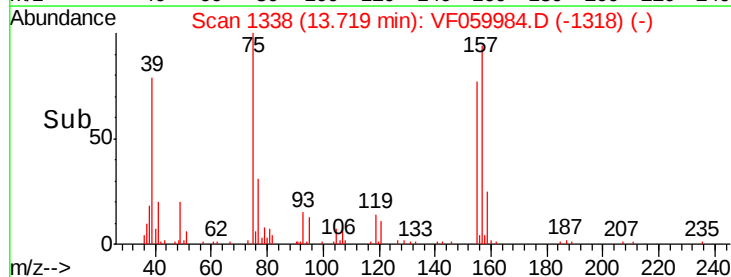
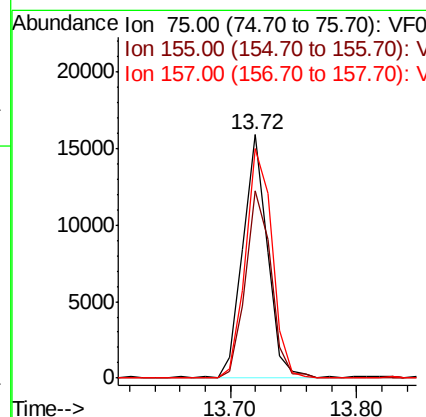
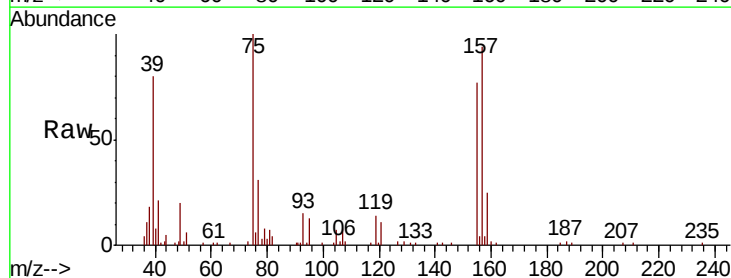
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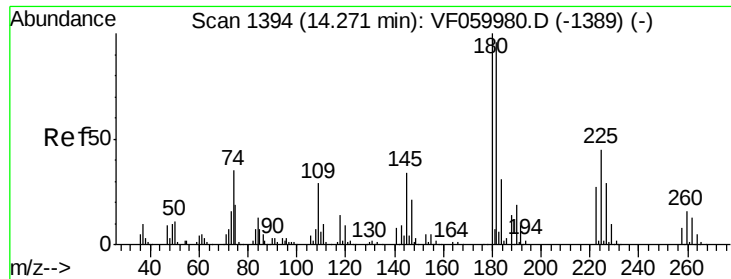
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.18 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	38.9	116.7
157	94.1	50.8	152.5





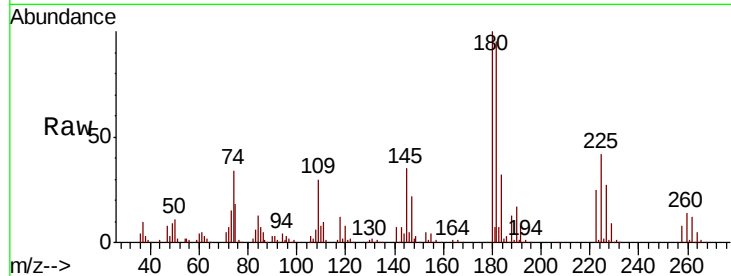
#93
 1,2,4-Trichlorobenzene
 Concen: 47.77 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV081718

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.9	143.6	
145	34.7	17.2	51.5	

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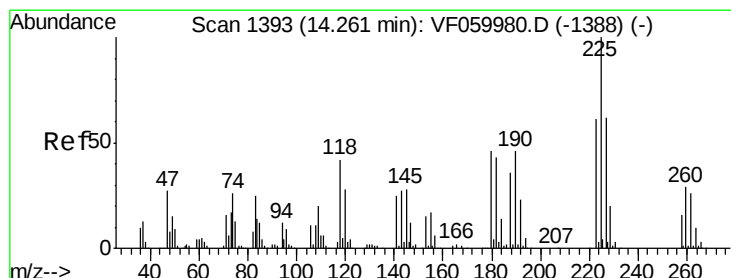
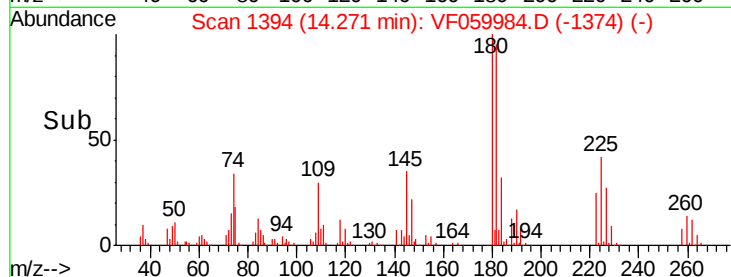
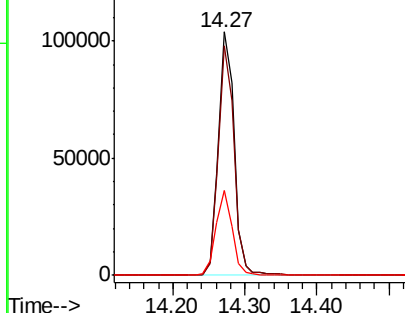


Abundance

Ion 180.00 (179.70 to 180.70): V

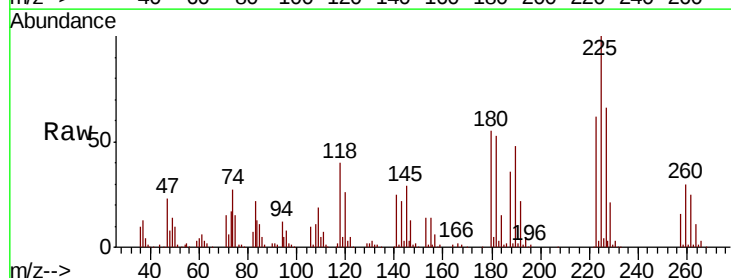
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 48.13 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	29.1	87.4	
227	65.6	29.8	89.5	

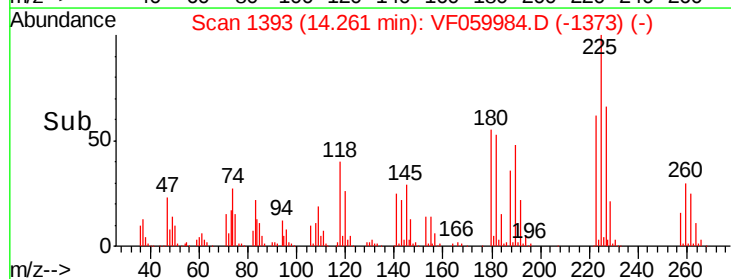
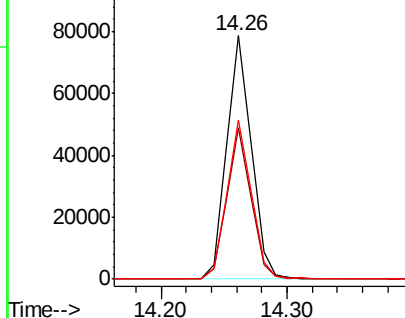


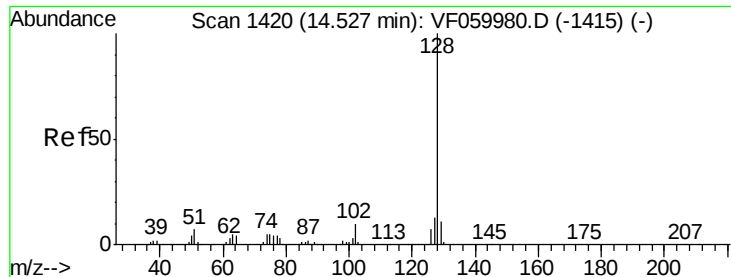
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





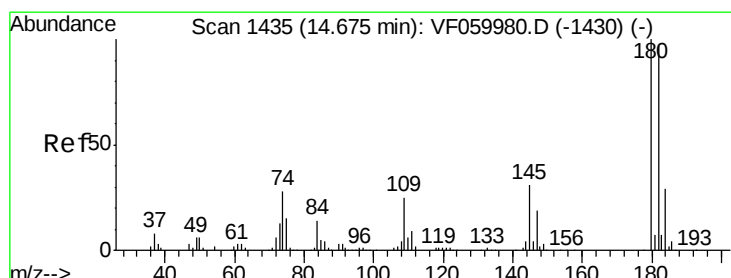
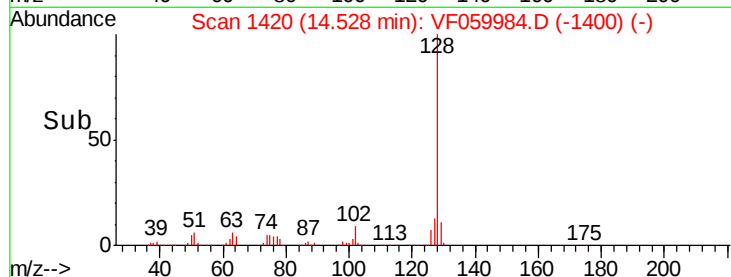
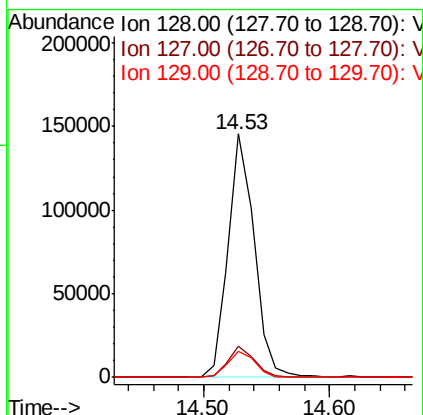
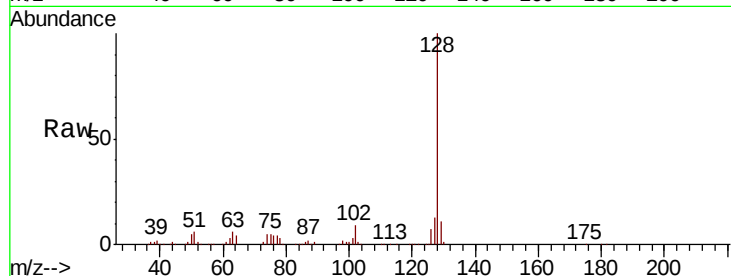
#95
Naphthalene
Concen: 45.36 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	9.0	13.4

Manual Integrations
APPROVED

apatel
8/20/2018 11:48:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.26 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.5	145.5
145	30.5	15.7	47.1

