

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112818\
 Data File : VF060853.D
 Acq On : 28 Nov 2018 12:51
 Operator : VA/AP
 Sample : VF1128SBDS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Manual Integrations
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Quant Time: Nov 29 03:50:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	210429	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	347405	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	329953	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	171288	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	140529	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	4.14	113	152356	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
50) Toluene-d8	7.58	98	445870	54.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.84%	
62) 4-Bromofluorobenzene	11.43	95	202494	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	69727	22.16	ug/l	98
3) Chloromethane	1.11	50	43368	21.18	ug/l	# 86
4) Vinyl Chloride	1.15	62	40650	21.29	ug/l	98
5) Bromomethane	1.33	94	31247	23.20	ug/l	89
6) Chloroethane	1.40	64	18466	22.37	ug/l	94
7) Trichlorofluoromethane	1.50	101	85430m	20.85	ug/l	
8) Diethyl Ether	1.64	74	13358	22.67	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.85	101	42667	20.60	ug/l	92
10) Methyl Iodide	1.93	142	54413	17.28	ug/l	99
11) Tert butyl alcohol	2.60	59	11468	112.85	ug/l	98
12) 1,1-Dichloroethene	1.81	96	37041	22.23	ug/l	97
13) Acrolein	2.01	56	10280	106.77	ug/l	95
14) Allyl chloride	2.11	41	45456	21.89	ug/l	95
15) Acrylonitrile	2.97	53	26646	116.96	ug/l	87
16) Acetone	2.25	43	49810	108.96	ug/l	95
17) Carbon Disulfide	1.85	76	99980m	22.38	ug/l	
18) Methyl Acetate	2.36	43	19412	24.47	ug/l	96
19) Methyl tert-butyl Ether	2.45	73	82313	21.93	ug/l	95
20) Methylene Chloride	2.19	84	35240m	21.01	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	37618	23.42	ug/l	96
22) Diisopropyl ether	2.82	45	121665	21.52	ug/l	99
23) Vinyl Acetate	3.21	43	299927	116.07	ug/l	99
24) 1,1-Dichloroethane	2.89	63	73674	21.91	ug/l	98
25) 2-Butanone	4.36	43	92624	117.15	ug/l	95
26) 2,2-Dichloropropane	3.62	77	48375	22.19	ug/l	95
27) cis-1,2-Dichloroethene	3.49	96	61413	23.48	ug/l	95
28) Bromochloromethane	3.74	49	35915	22.25	ug/l	100
29) Tetrahydrofuran	4.11	42	38005	113.40	ug/l	97
30) Chloroform	3.89	83	112171	21.67	ug/l	98
31) Cyclohexane	3.71	56	81133m	23.24	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	68846	19.18	ug/l	98
36) 1,1-Dichloropropene	4.30	75	81071	21.04	ug/l	97
37) Ethyl Acetate	4.12	43	34725	22.18	ug/l	# 70
38) Carbon Tetrachloride	4.02	117	66938	19.67	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	84316	20.88	ug/l	96
40) Benzene	4.66	78	188634	22.16	ug/l	98
41) Methacrylonitrile	4.78	41	19780	22.24	ug/l	93
42) 1,2-Dichloroethane	4.97	62	63337	20.38	ug/l	95
43) Isopropyl Acetate	6.99	43	41314	19.74	ug/l #	85
44) Trichloroethene	5.53	130	62355	22.40	ug/l	98
45) 1,2-Dichloropropane	6.26	63	50095	22.66	ug/l	98
46) Dibromomethane	6.12	93	32387	21.59	ug/l	98
47) Bromodichloromethane	6.41	83	84999	21.34	ug/l	98
48) Methyl methacrylate	6.74	41	29819	21.04	ug/l	99
49) 1,4-Dioxane	6.74	88	4929	475.15	ug/l #	85
51) 4-Methyl-2-Pentanone	8.29	43	160355	111.05	ug/l	98
52) Toluene	7.65	92	123601	20.67	ug/l	93
53) t-1,3-Dichloropropene	8.31	75	72079	22.25	ug/l	100
54) cis-1,3-Dichloropropene	7.33	75	85388	21.29	ug/l	96
55) 1,1,2-Trichloroethane	8.51	97	37549	21.55	ug/l	96
56) Ethyl methacrylate	8.64	69	41213	21.29	ug/l	97
57) 1,3-Dichloropropane	8.88	76	67456	22.13	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.32	63	17964	90.74	ug/l #	89
59) 2-Hexanone	9.52	43	113125	111.67	ug/l	100
60) Dibromochloromethane	8.74	129	49326	19.00	ug/l	99
61) 1,2-Dibromoethane	9.02	107	38510	20.46	ug/l	95
64) Tetrachloroethene	8.18	164	51595	20.47	ug/l	98
65) Chlorobenzene	9.83	112	137417	21.41	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.95	131	58278	21.12	ug/l	95
67) Ethyl Benzene	9.93	91	260875	21.83	ug/l	98
68) m/p-Xylenes	10.16	106	190003	44.21	ug/l	93
69) o-Xylene	10.73	106	102146	21.55	ug/l	88
70) Styrene	10.81	104	146410	22.29	ug/l	98
71) Bromoform	10.79	173	27697	20.78	ug/l	97
73) Isopropylbenzene	11.15	105	311645	23.02	ug/l	99
74) N-amyl acetate	11.39	43	74444	23.82	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	51657	23.19	ug/l	97
76) 1,2,3-Trichloropropane	11.82	75	36446	22.51	ug/l	98
77) Bromobenzene	11.51	156	62180	20.95	ug/l	82
78) n-propylbenzene	11.61	91	348041	21.96	ug/l	100
79) 2-Chlorotoluene	11.74	91	207349	22.81	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	250583	22.80	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.89	75	16773m	21.14	ug/l	
82) 4-Chlorotoluene	11.92	91	205423	21.48	ug/l	95
83) tert-Butylbenzene	12.14	119	256397	22.91	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	246139	22.44	ug/l	97
85) sec-Butylbenzene	12.32	105	342484	22.35	ug/l	98
86) p-Isopropyltoluene	12.48	119	292917	22.80	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	127334	22.56	ug/l	97
88) 1,4-Dichlorobenzene	12.59	146	117416	21.34	ug/l	98
89) n-Butylbenzene	12.86	91	294827	22.70	ug/l	99
90) Hexachloroethane	12.93	117	69120	22.34	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	119578	22.37	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8836	20.52	ug/l	91

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MSVOA_F
ClientSampleId :
VF1128SBDS01

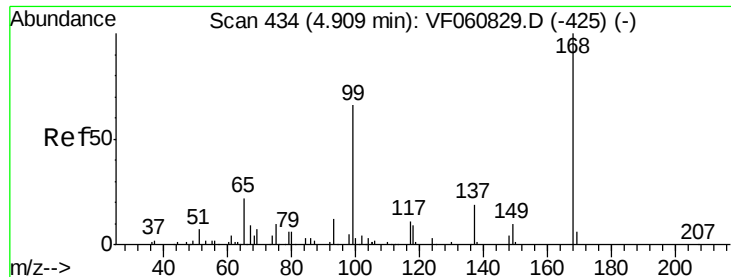
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	82207	22.01	ug/l	95
94) Hexachlorobutadiene	14.21	225	50085	20.12	ug/l	99
95) Naphthalene	14.47	128	159587	19.91	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	73662	21.24	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion:168 Resp: 210429

Ion Ratio Lower Upper

168 100

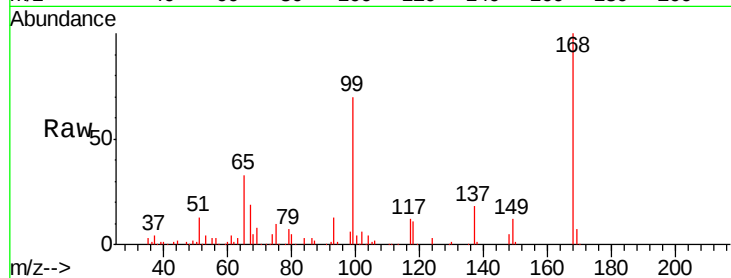
99 70.2 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

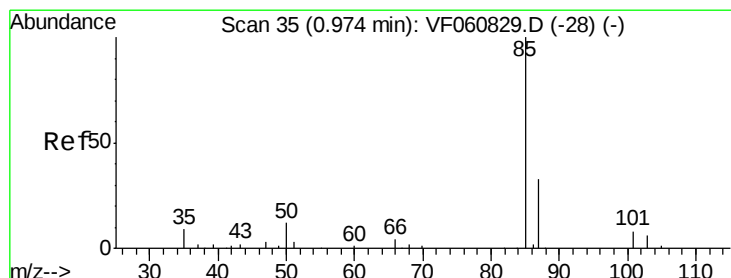
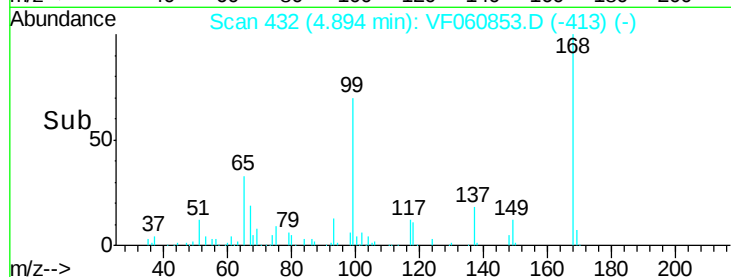
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 22.16 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060853.D

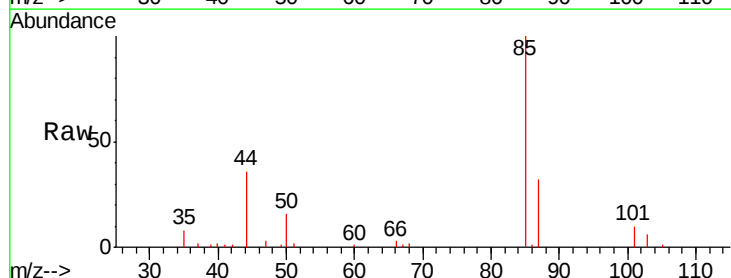
Acq: 28 Nov 2018 12:51

Tgt Ion: 85 Resp: 69727

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

20000

15000

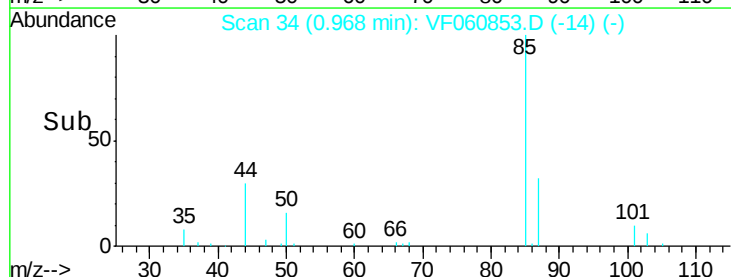
10000

5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 21.18 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 50 Resp: 43368

Ion Ratio Lower Upper

50 100

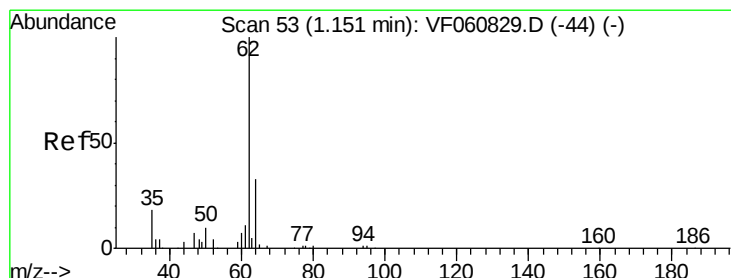
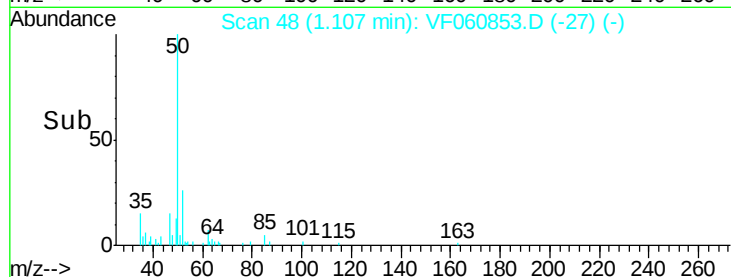
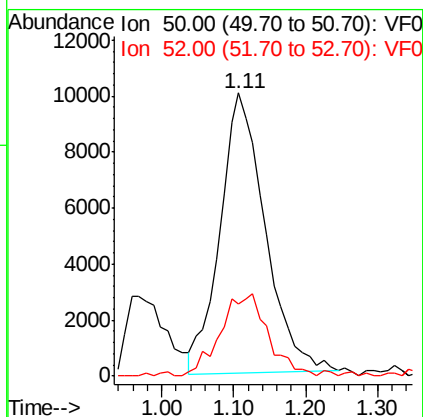
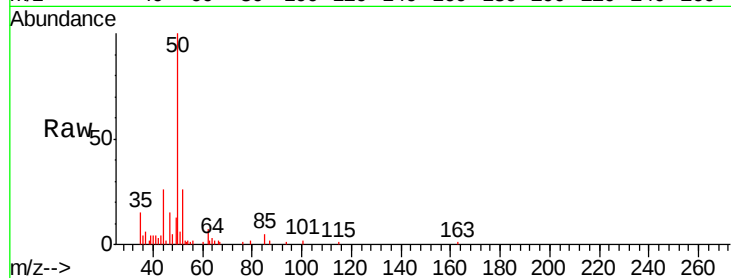
52 25.7 27.0 40.4#

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#4

Vinyl Chloride

Concen: 21.29 ug/l

RT: 1.15 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060853.D

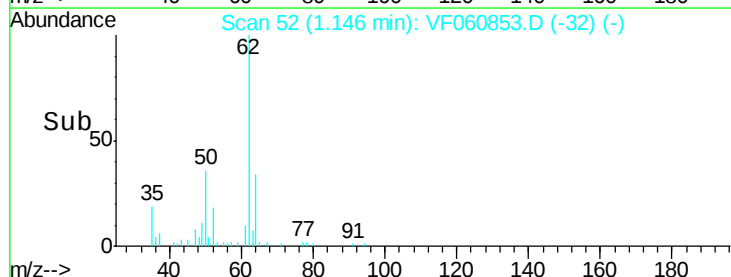
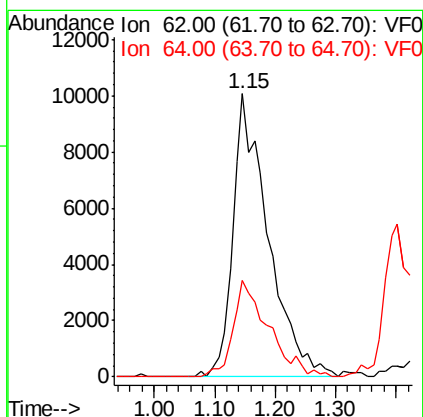
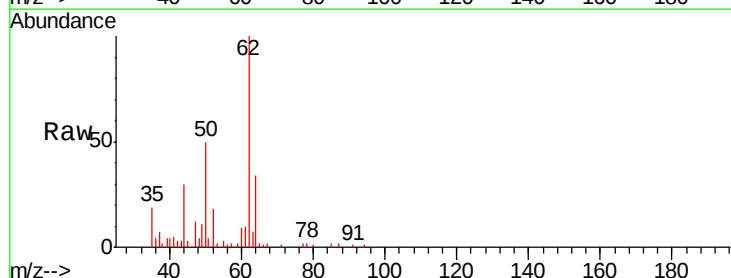
Acq: 28 Nov 2018 12:51

Tgt Ion: 62 Resp: 40650

Ion Ratio Lower Upper

62 100

64 34.1 26.4 39.6





#5

Bromomethane

Concen: 23.20 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 94 Resp: 31247

Ion Ratio Lower Upper

94 100

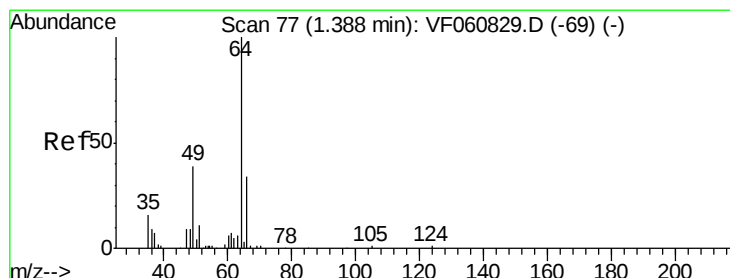
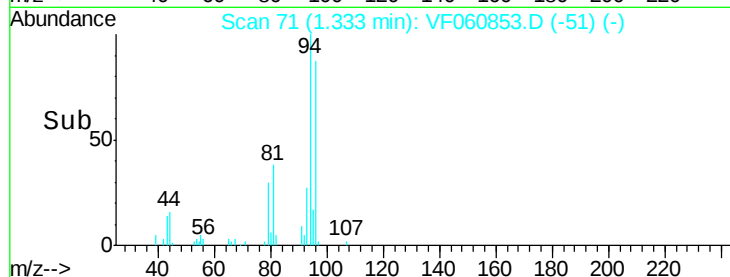
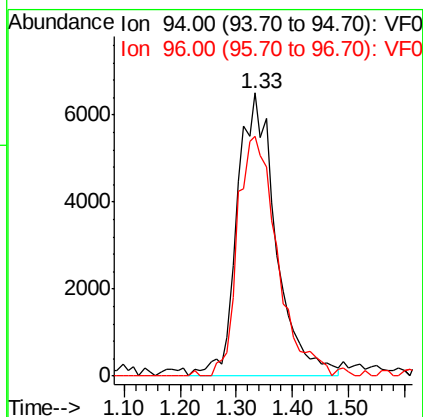
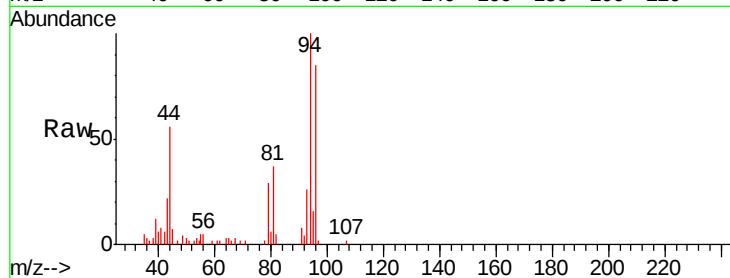
96 84.6 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 22.37 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060853.D

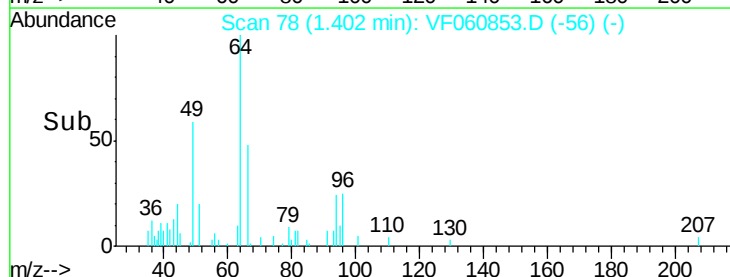
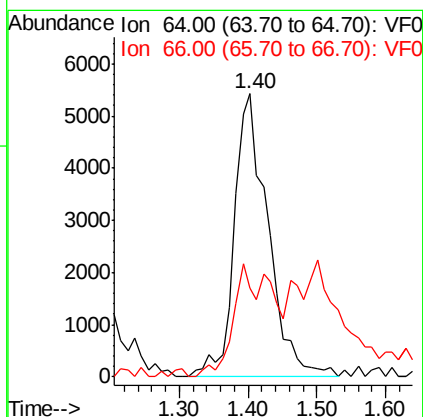
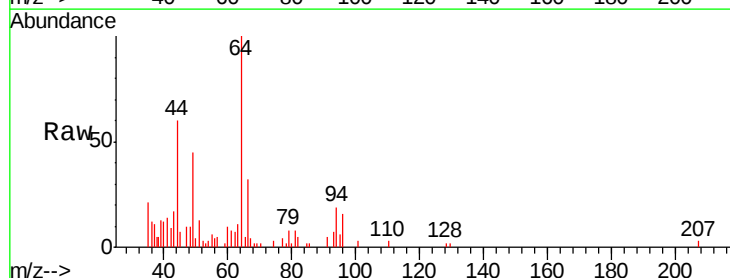
Acq: 28 Nov 2018 12:51

Tgt Ion: 64 Resp: 18466

Ion Ratio Lower Upper

64 100

66 31.6 28.1 42.1





#7

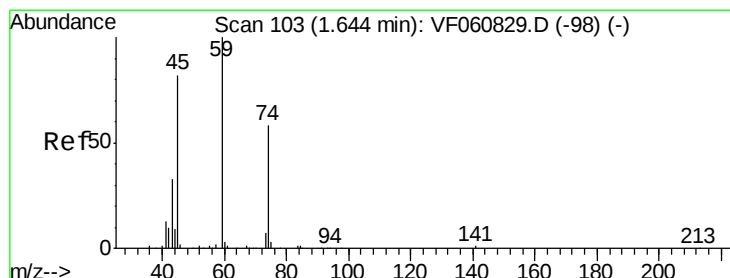
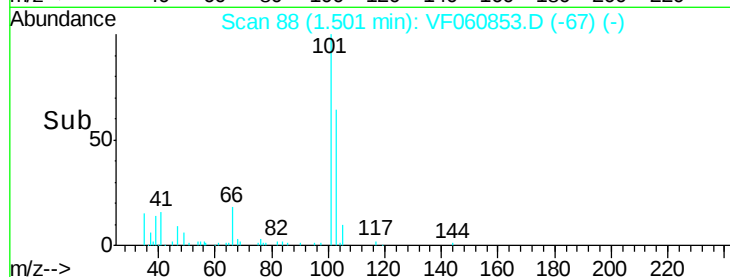
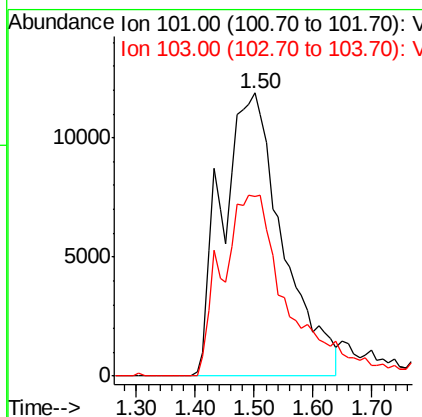
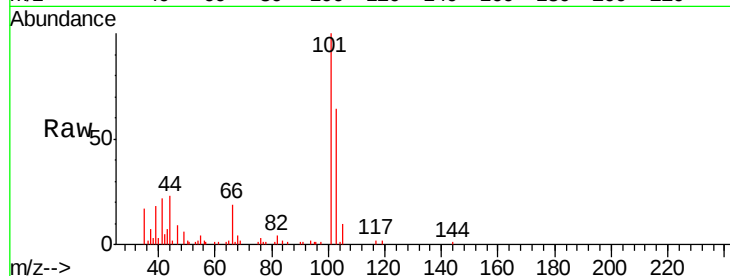
Trichlorofluoromethane
Concen: 20.85 ug/l m
RT: 1.50 min Scan# 88
Delta R.T. 0.00 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
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ClientSampleId :
VF1128SBDS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.5	55.4	83.0

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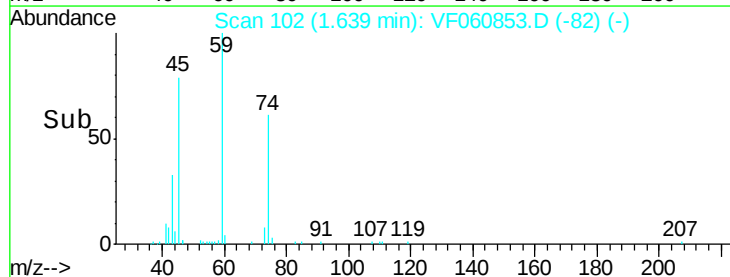
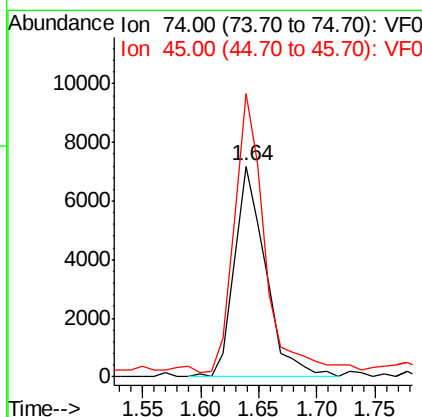
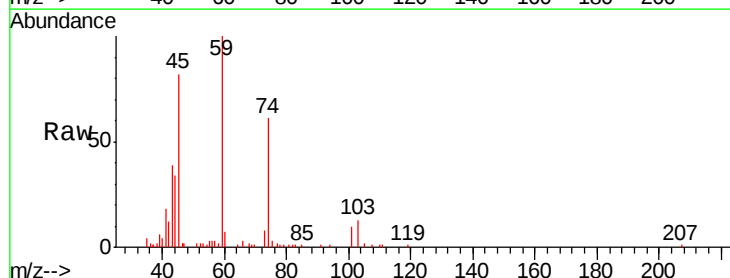
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#8

Diethyl Ether
Concen: 22.67 ug/l
RT: 1.64 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	134.2	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.60 ug/l

RT: 1.85 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

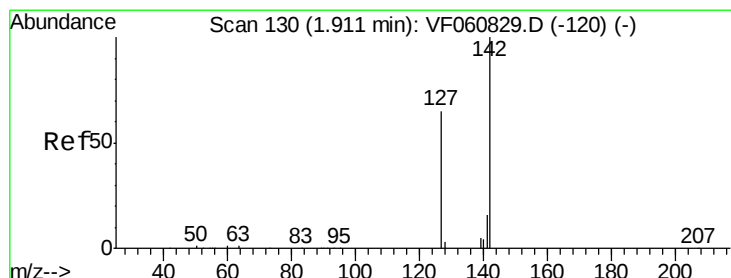
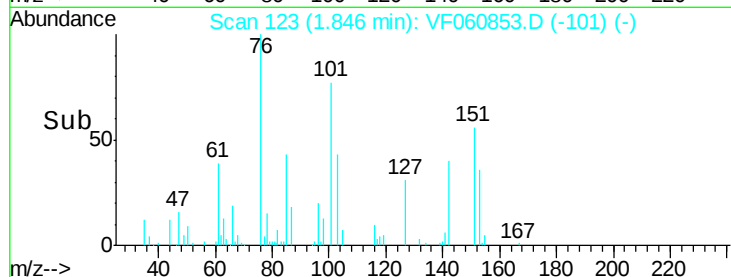
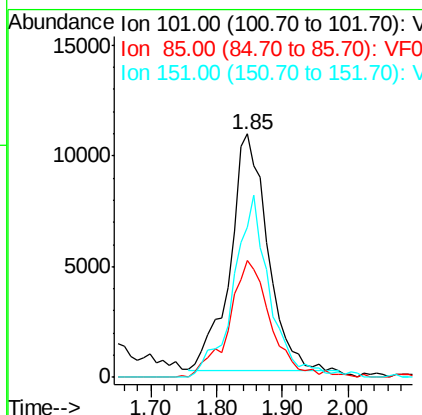
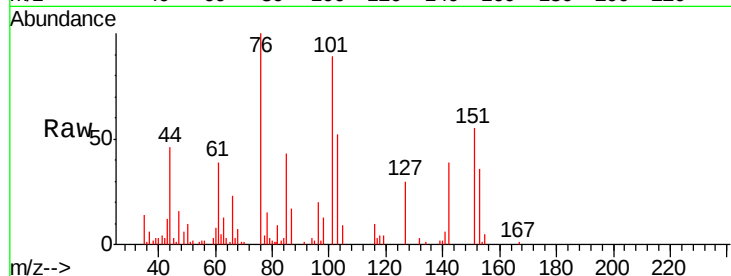
ClientSampleId :

VF1128SBDS01

Tgt Ion:	101	Resp:	42667
Ion Ratio	Lower	Upper	
101	100		
85	48.0	42.8	64.2
151	61.7	54.4	81.6

Manual Integrations
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#10

Methyl Iodide

Concen: 17.28 ug/l

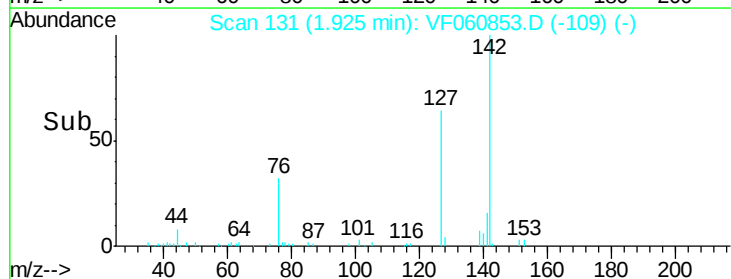
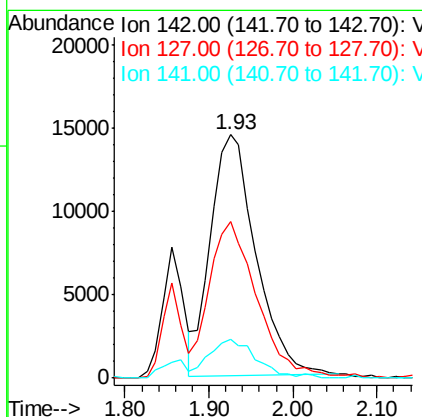
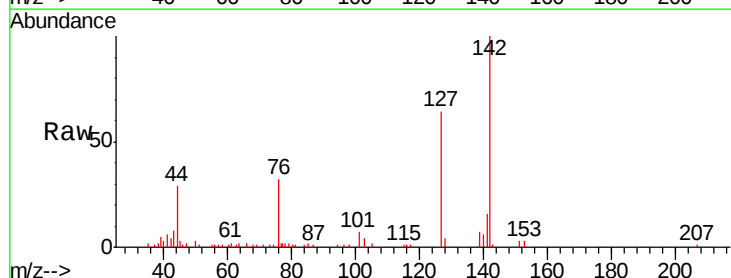
RT: 1.93 min Scan# 131

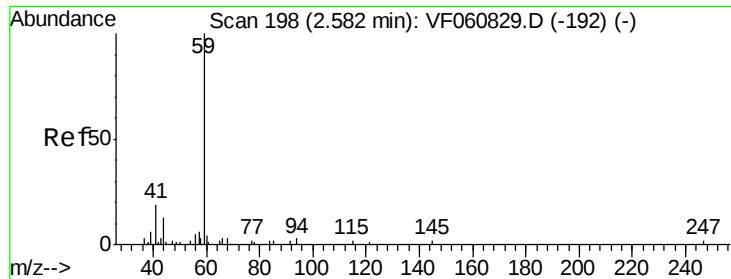
Delta R.T. 0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion:	142	Resp:	54413
Ion Ratio	Lower	Upper	
142	100		
127	64.3	51.9	77.9
141	16.1	12.7	19.1





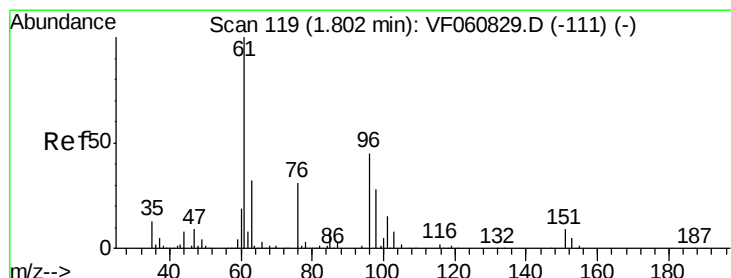
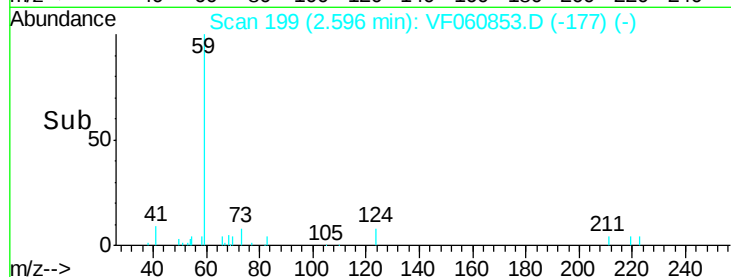
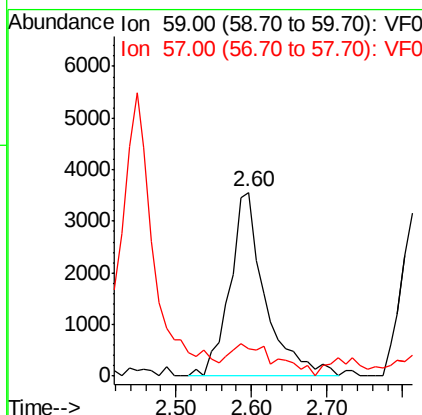
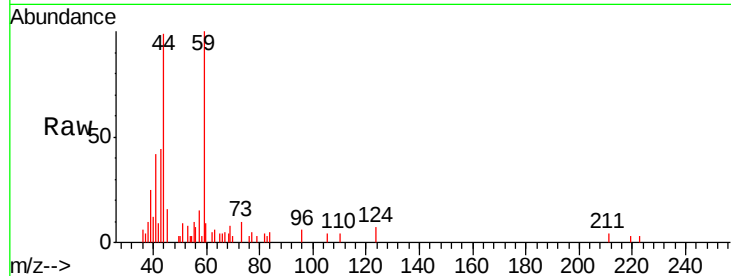
#11
Tert butyl alcohol
Concen: 112.85 ug/l
RT: 2.60 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion: 59 Resp: 11468
Ion Ratio Lower Upper
59 100
57 15.2 12.7 19.1

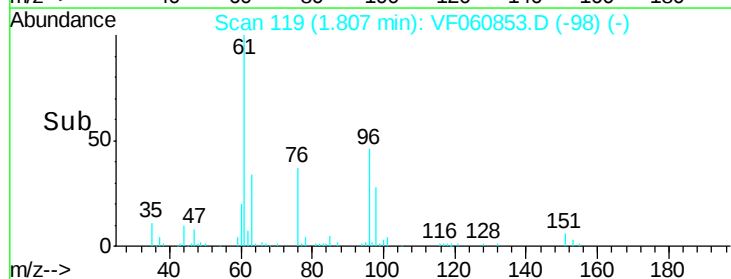
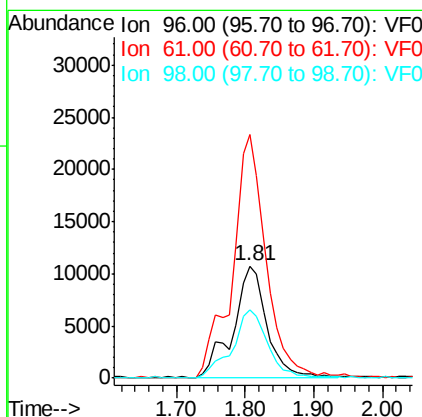
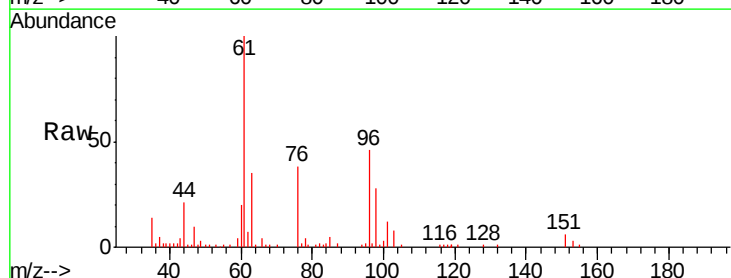
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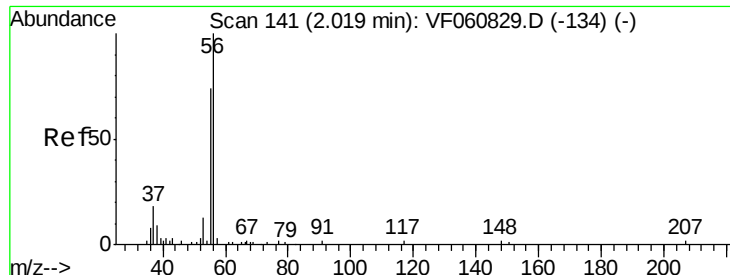
apatel
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#12
1,1-Dichloroethene
Concen: 22.23 ug/l
RT: 1.81 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion: 96 Resp: 37041
Ion Ratio Lower Upper
96 100
61 216.7 177.3 265.9
98 60.2 49.6 74.4





#13

Acrolein

Concen: 106.77 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 56 Resp: 10280

Ion Ratio Lower Upper

56 100

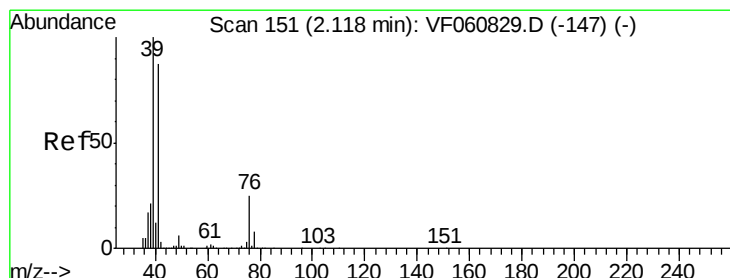
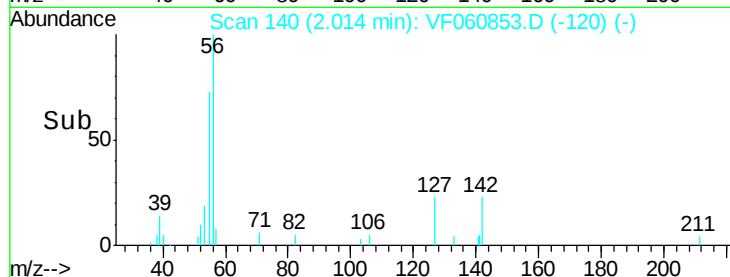
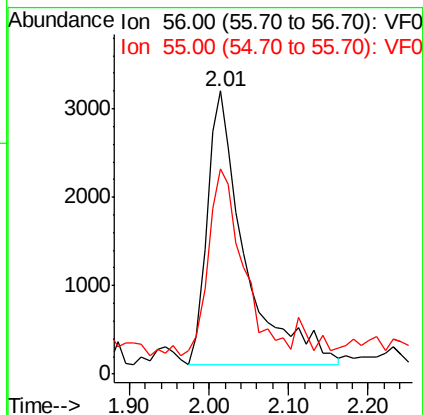
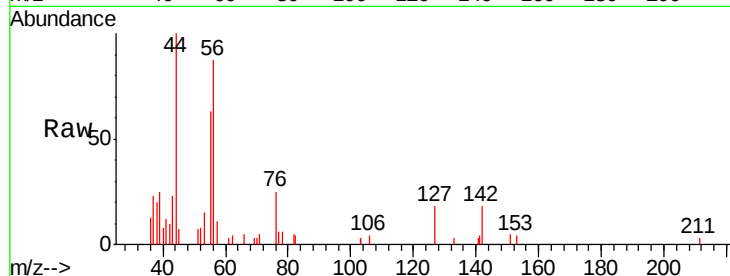
55 72.4 61.2 91.8

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#14

Allyl chloride

Concen: 21.89 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

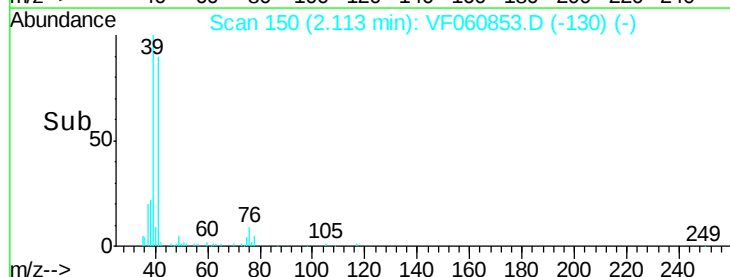
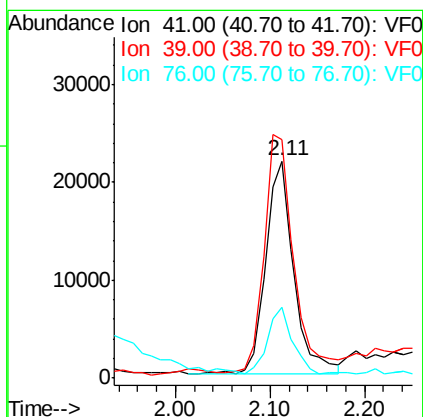
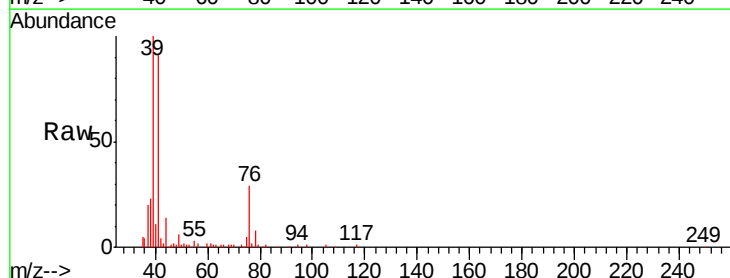
Tgt Ion: 41 Resp: 45456

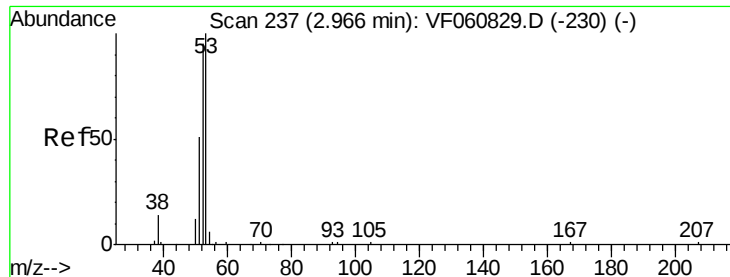
Ion Ratio Lower Upper

41 100

39 110.0 91.7 137.5

76 32.4 23.5 35.3





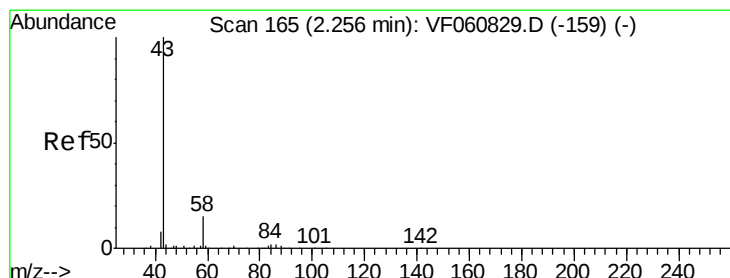
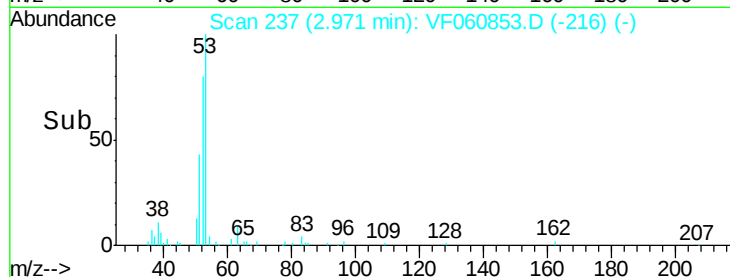
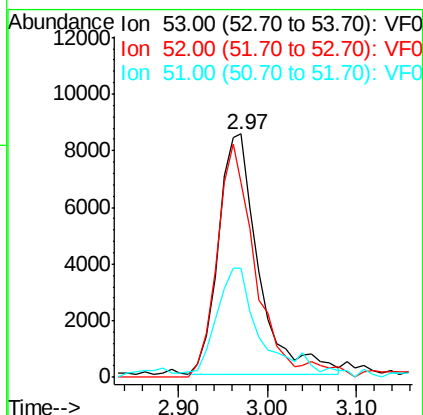
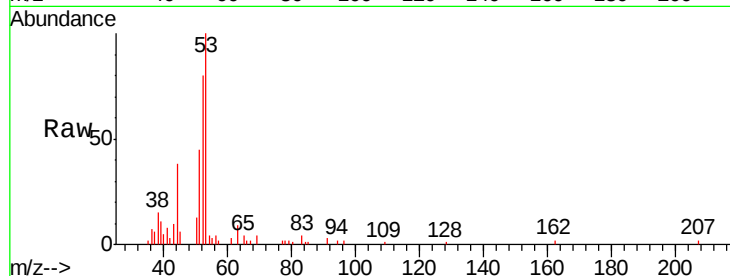
#15
 Acrylonitrile
 Concen: 116.96 ug/l
 RT: 2.97 min Scan# 237
 Delta R.T. 0.00 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.3	76.5	114.7
51	44.8	40.7	61.1

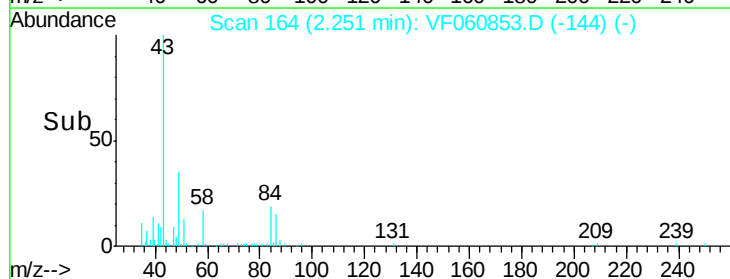
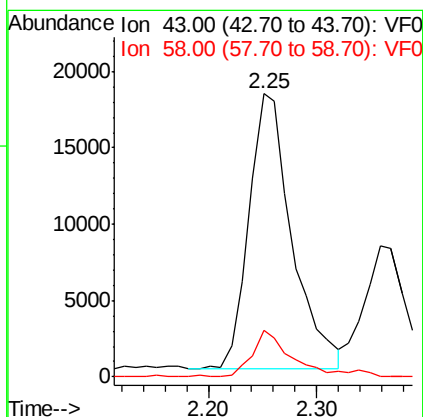
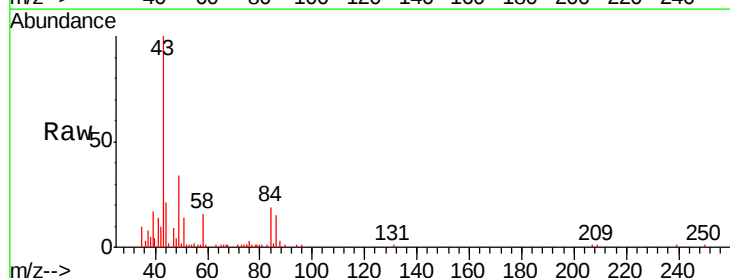
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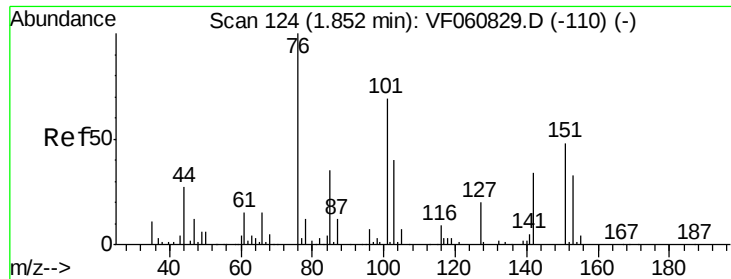
apatel
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#16
 Acetone
 Concen: 108.96 ug/l
 RT: 2.25 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.3	11.4	17.2





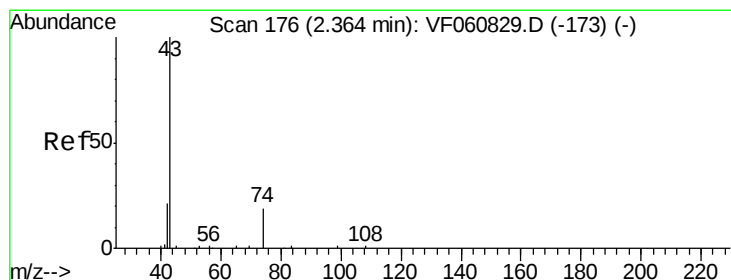
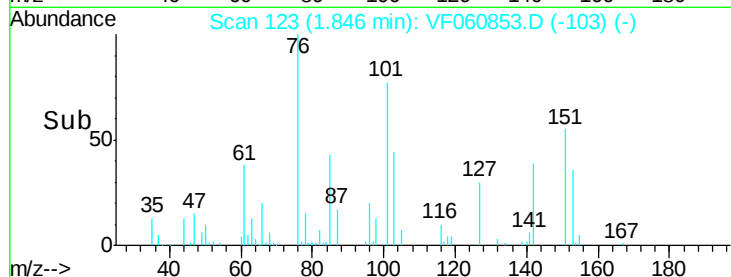
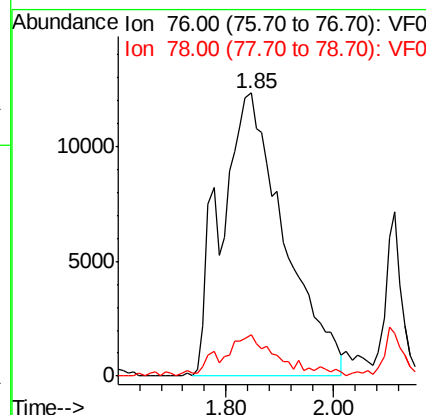
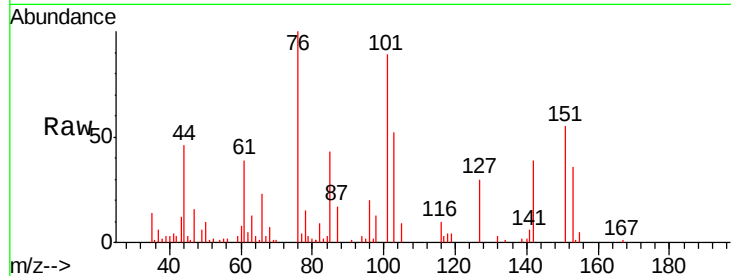
#17
Carbon Disulfide
Concen: 22.38 ug/l m
RT: 1.85 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBD01

Tgt Ion: 76 Resp: 99980
Ion Ratio Lower Upper
76 100
78 14.8 10.2 15.2

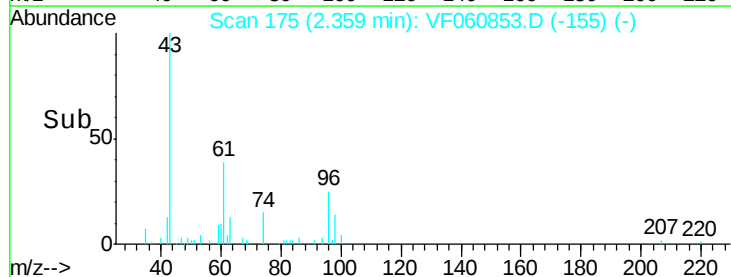
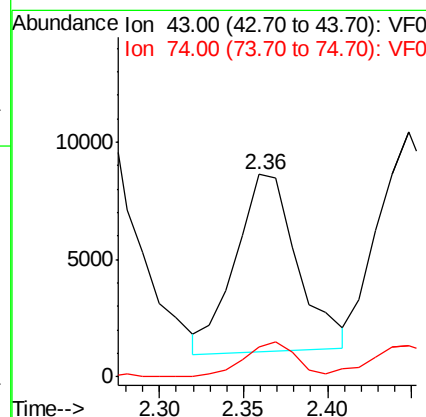
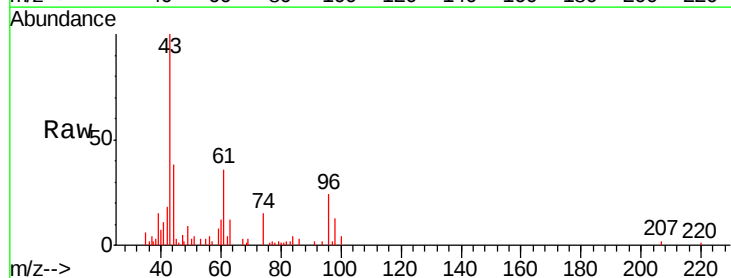
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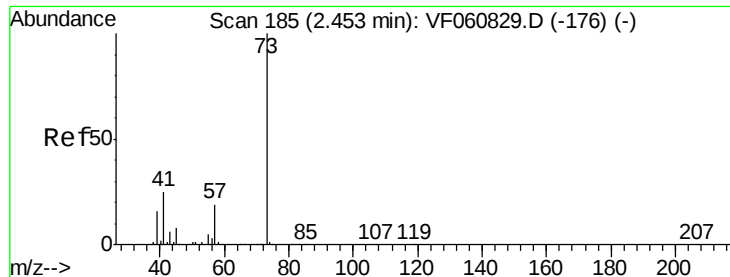
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#18
Methyl Acetate
Concen: 24.47 ug/l
RT: 2.36 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion: 43 Resp: 19412
Ion Ratio Lower Upper
43 100
74 14.7 13.3 19.9





#19

Methyl tert-butyl Ether

Concen: 21.93 ug/l

RT: 2.45 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 73 Resp: 82313

Ion Ratio Lower Upper

73 100

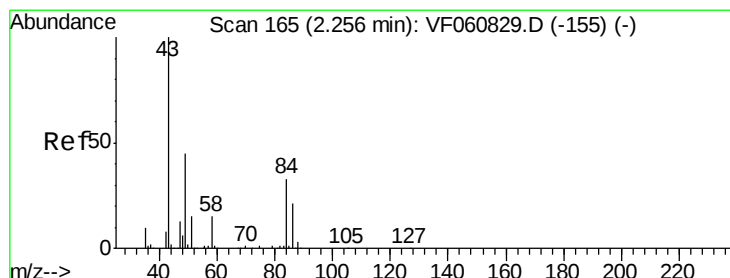
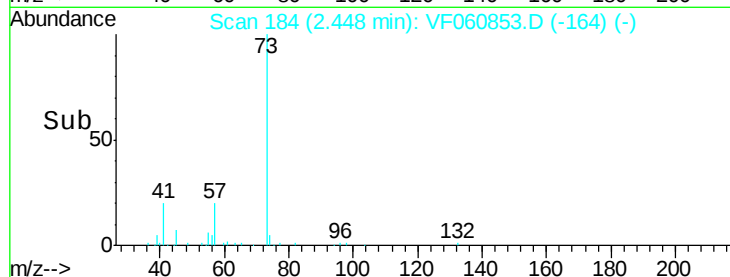
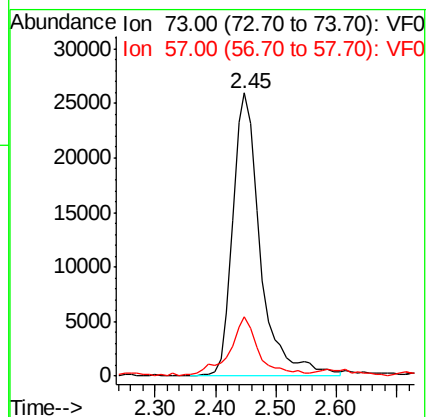
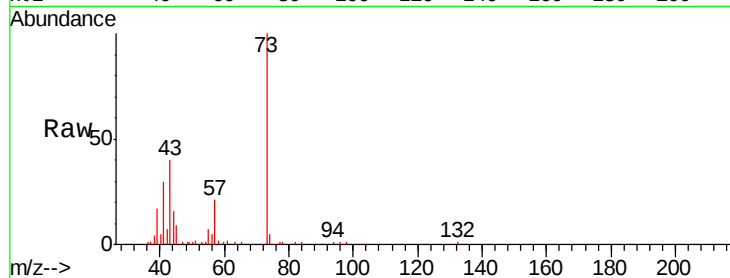
57 21.1 15.3 22.9

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#20

Methylene Chloride

Concen: 21.01 ug/l m

RT: 2.19 min Scan# 158

Delta R.T. -0.06 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion: 84 Resp: 35240

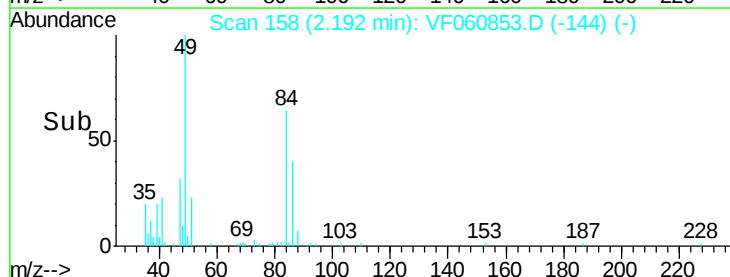
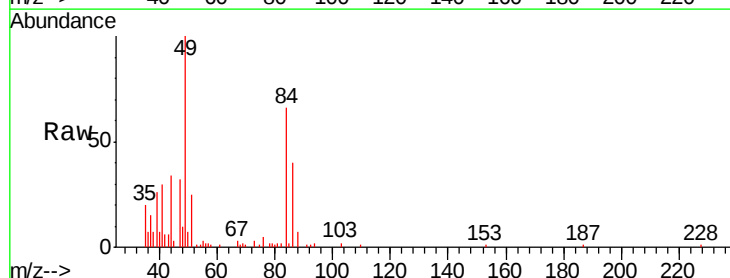
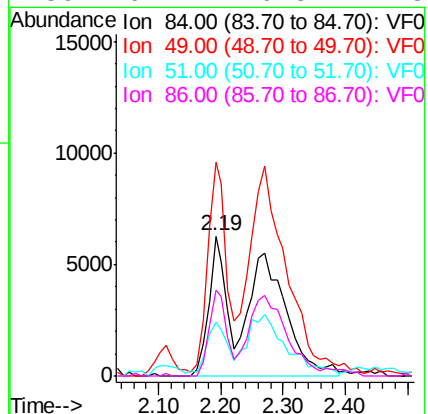
Ion Ratio Lower Upper

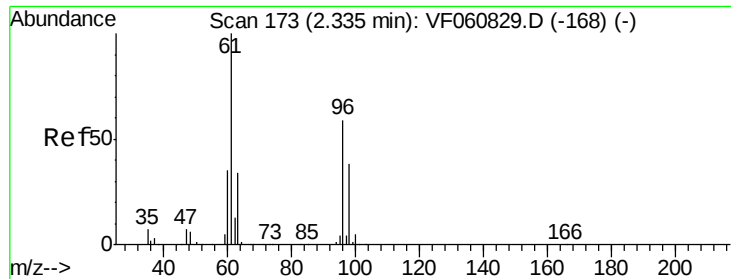
84 100

49 152.7 111.3 166.9

51 38.1 38.0 57.0

86 61.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 23.42 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

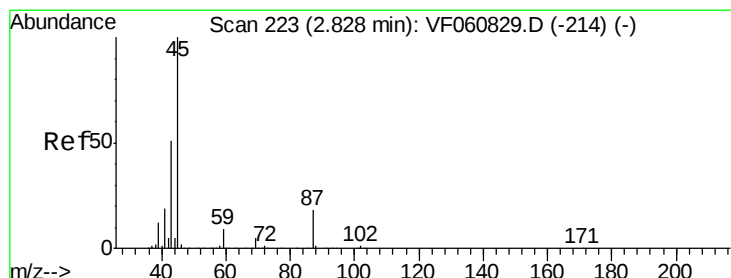
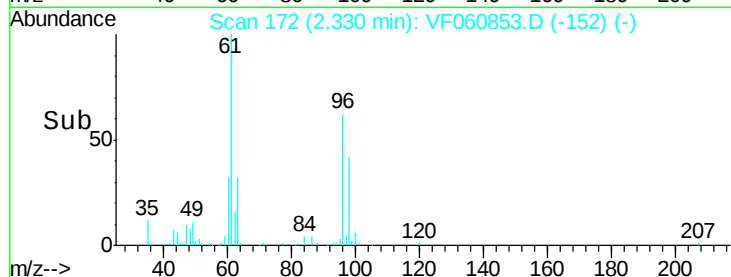
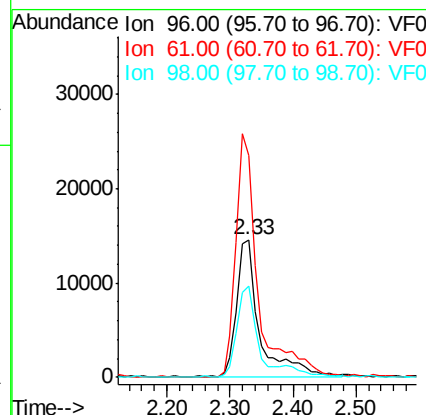
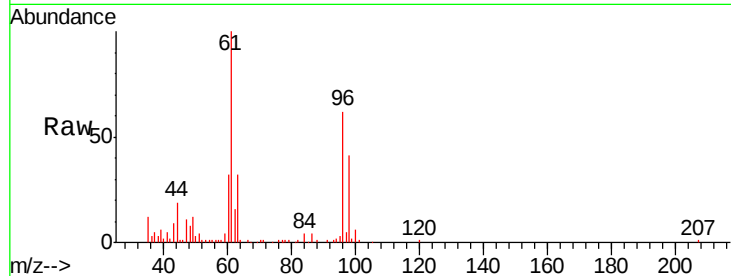
ClientSampleId :

VF1128SBDS01

Tgt Ion:	96	Resp:	37618
Ion	Ratio	Lower	Upper
96	100		
61	161.3	134.5	201.7
98	66.5	51.6	77.4

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#22

Diisopropyl ether

Concen: 21.52 ug/l

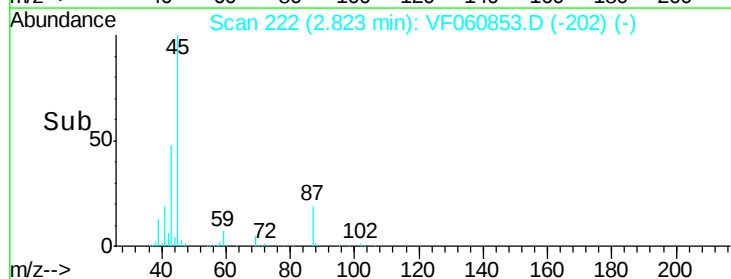
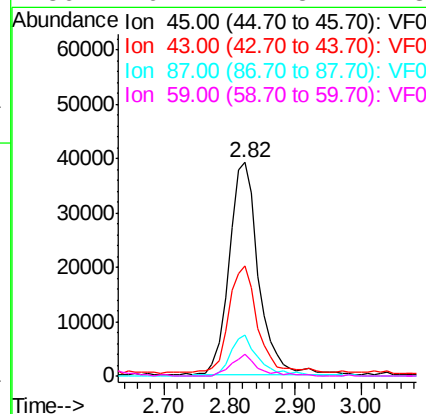
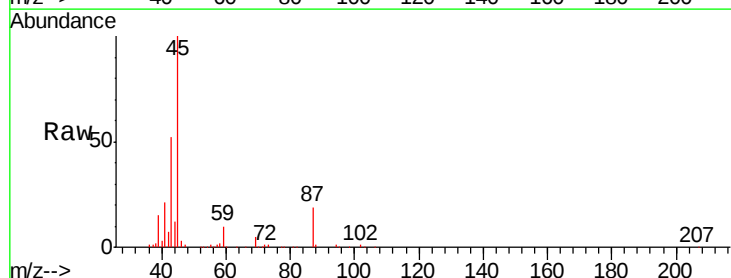
RT: 2.82 min Scan# 222

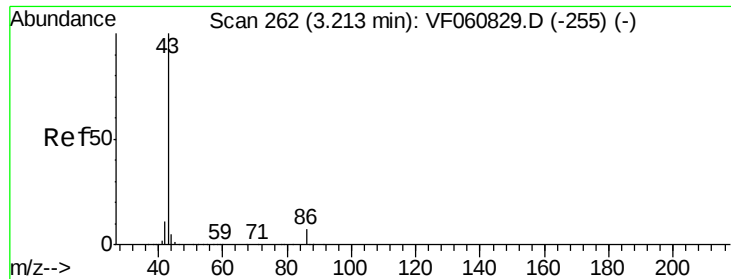
Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion:	45	Resp:	121665
Ion	Ratio	Lower	Upper
45	100		
43	51.5	41.0	61.6
87	19.2	14.6	22.0
59	10.1	7.5	11.3





#23

Vinyl Acetate

Concen: 116.07 ug/l

RT: 3.21 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 43 Resp: 299927

Ion Ratio Lower Upper

43 100

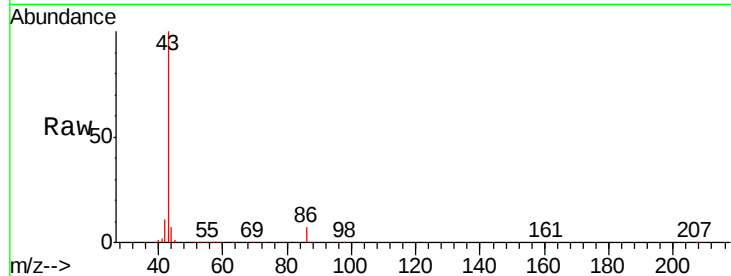
86 7.0 5.4 8.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.21

120000

100000

80000

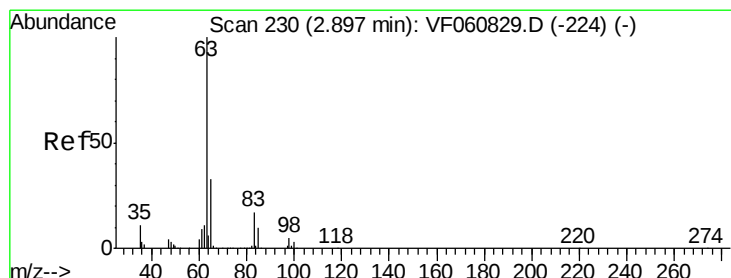
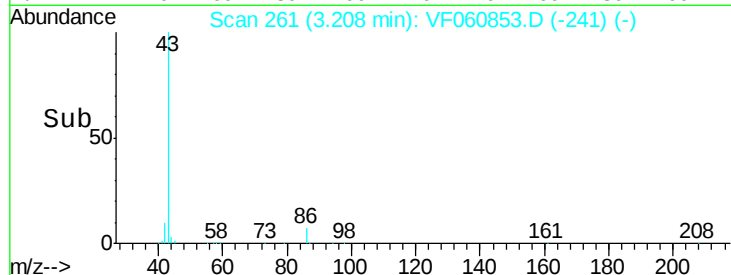
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.91 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

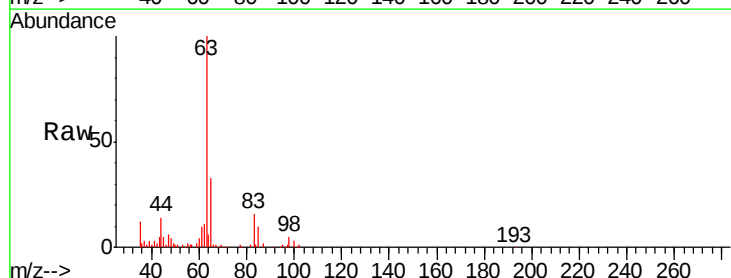
Tgt Ion: 63 Resp: 73674

Ion Ratio Lower Upper

63 100

98 4.8 2.7 8.1

100 2.7 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.89

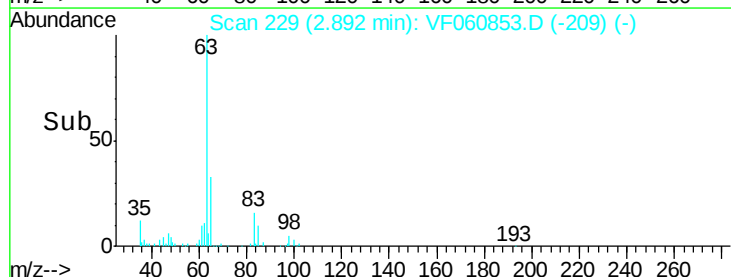
30000

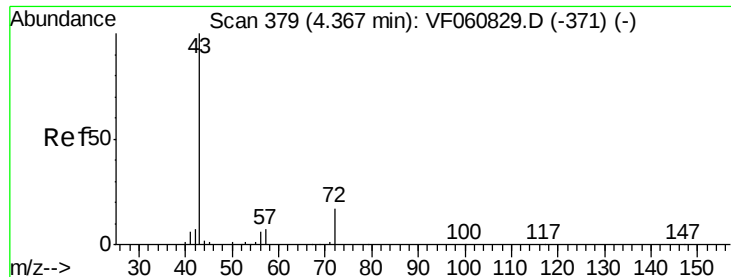
20000

10000

0

Time-->





#25

2-Butanone

Concen: 117.15 ug/l

RT: 4.36 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 43 Resp: 92624

Ion Ratio Lower Upper

43 100

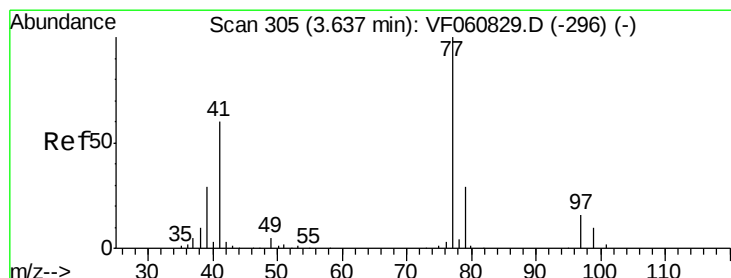
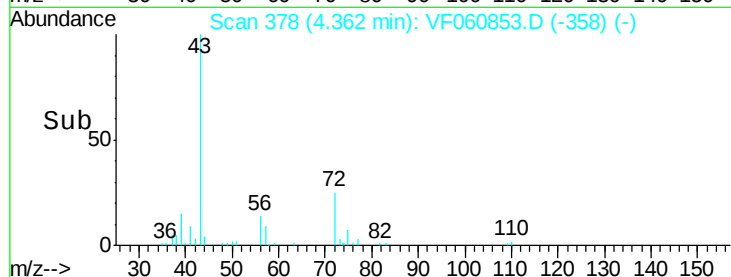
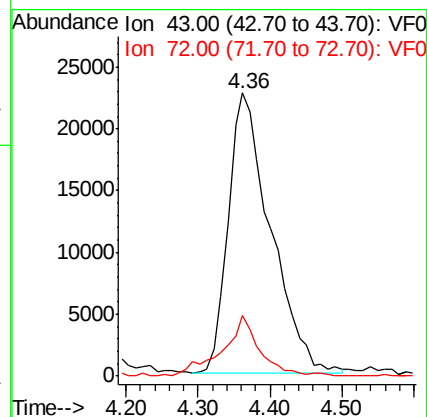
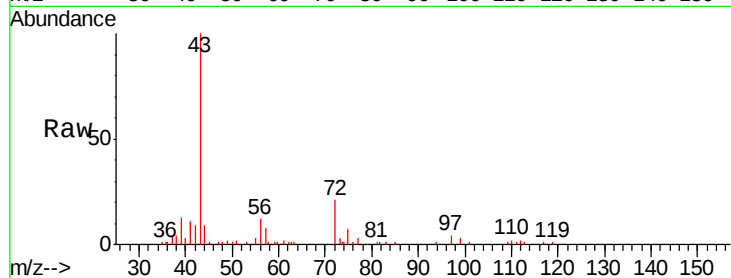
72 21.5 15.4 23.2

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#26

2,2-Dichloropropane

Concen: 22.19 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.02 min

Lab File: VF060853.D

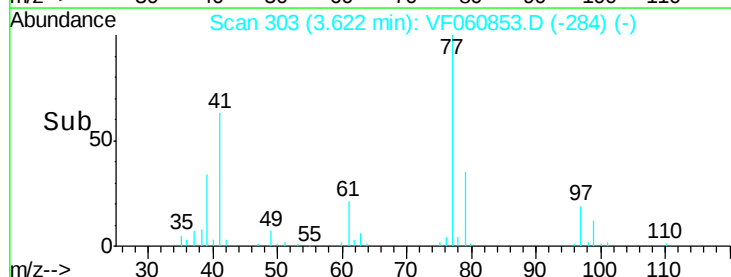
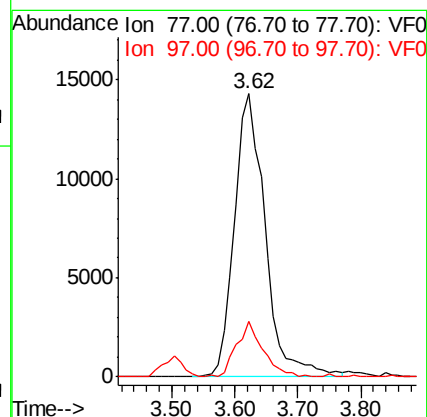
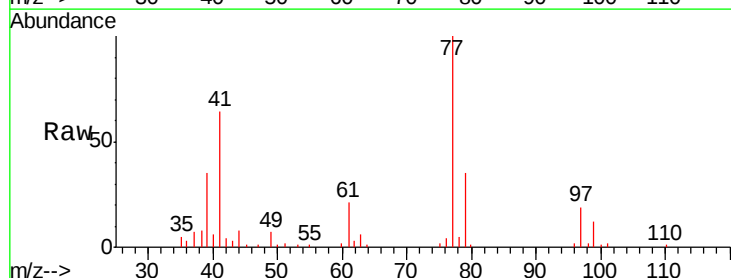
Acq: 28 Nov 2018 12:51

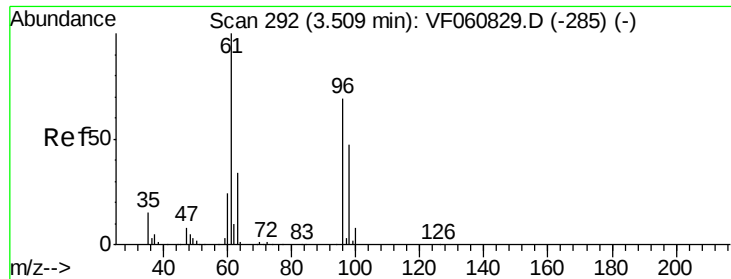
Tgt Ion: 77 Resp: 48375

Ion Ratio Lower Upper

77 100

97 19.5 8.6 25.8





#27

cis-1,2-Dichloroethene

Concen: 23.48 ug/l

RT: 3.49 min Scan# 290

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

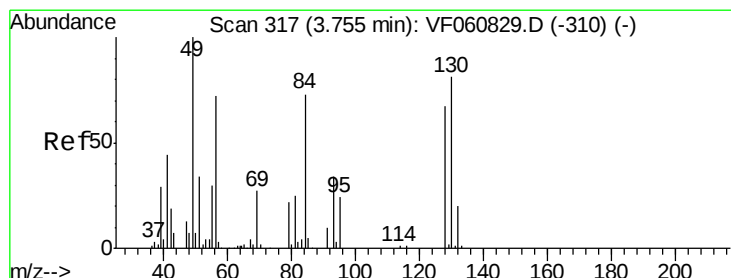
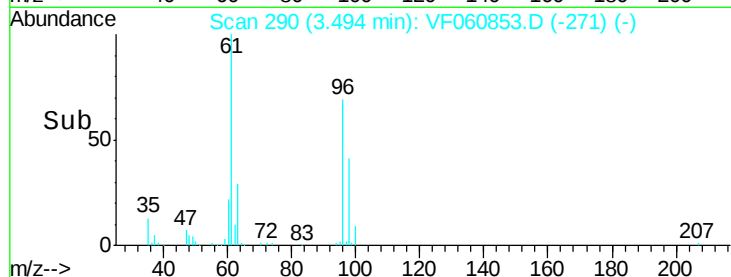
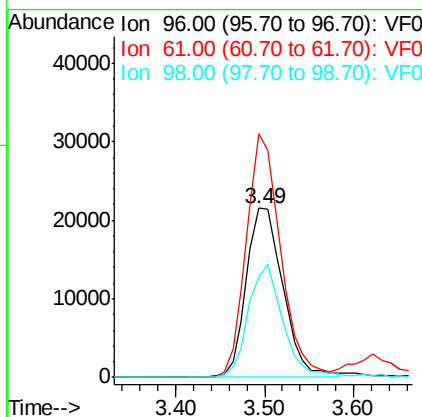
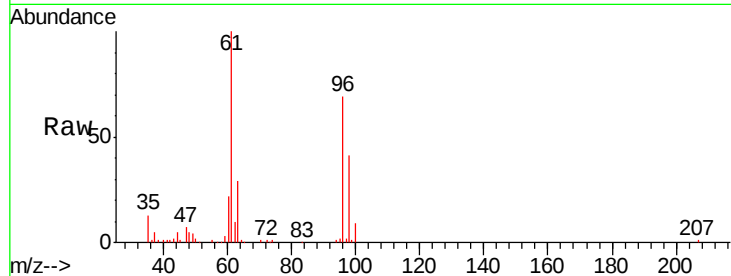
ClientSampleId :

VF1128SBDS01

Tgt Ion:	96	Resp:	61413
Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	290.6
98	59.1	0.0	137.8

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#28

Bromochloromethane

Concen: 22.25 ug/l

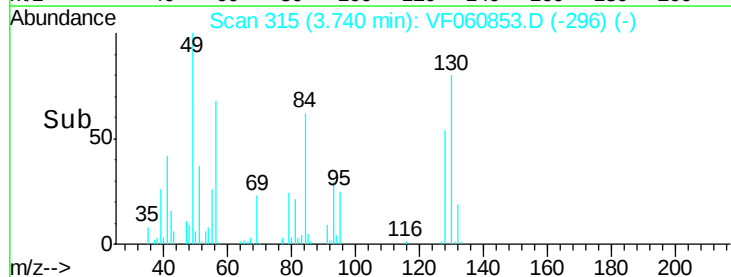
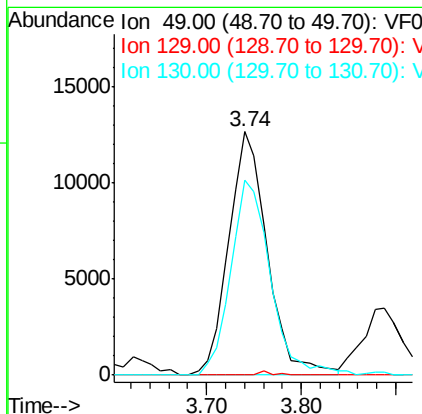
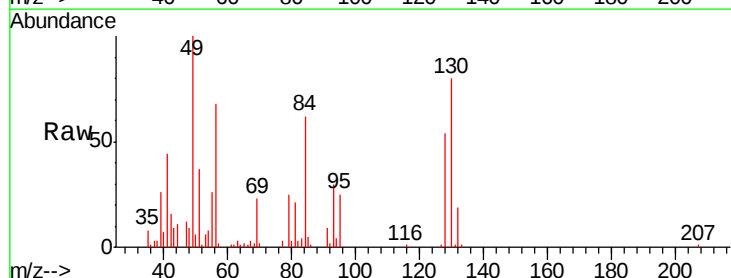
RT: 3.74 min Scan# 315

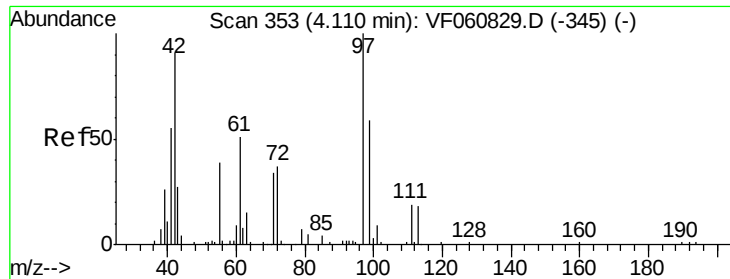
Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion:	49	Resp:	35915
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	80.1	64.2	96.4





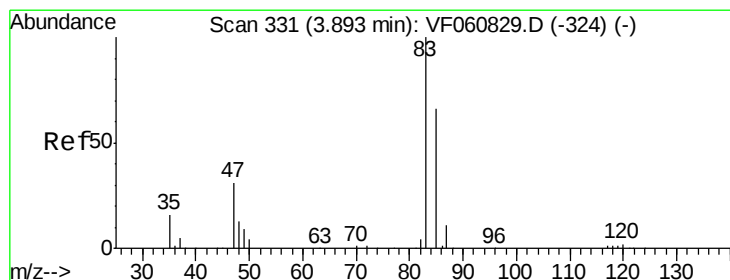
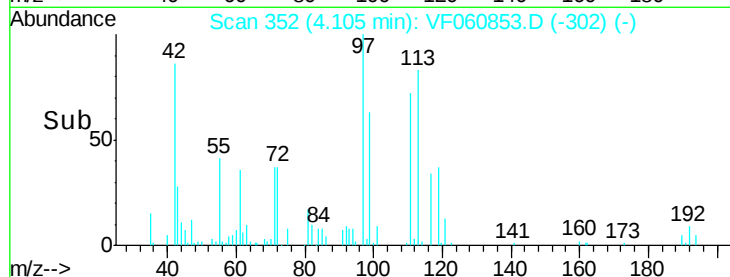
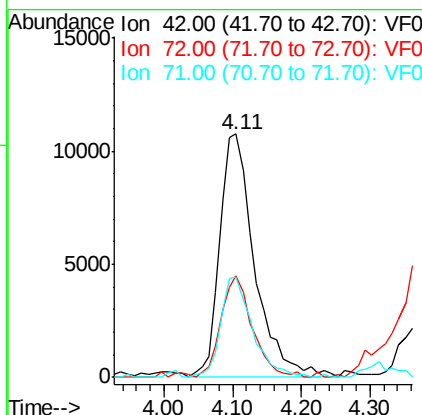
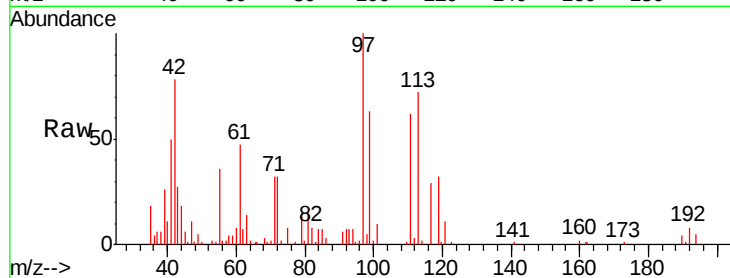
#29
Tetrahydrofuran
Concen: 113.40 ug/l
RT: 4.11 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.3	31.9	47.9
71	37.4	28.7	43.1

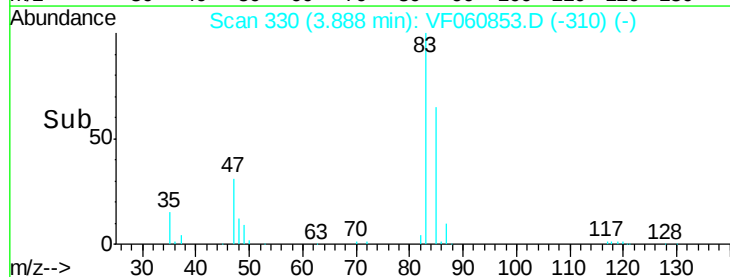
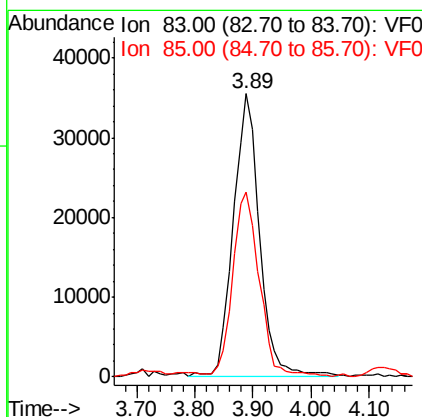
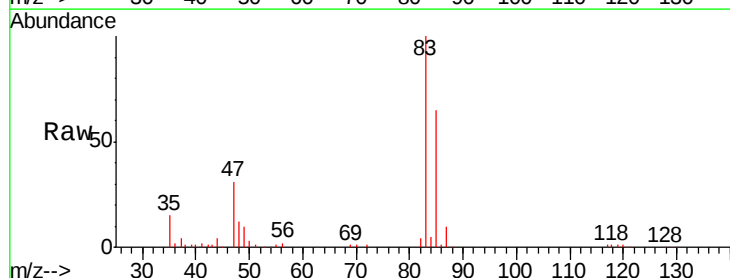
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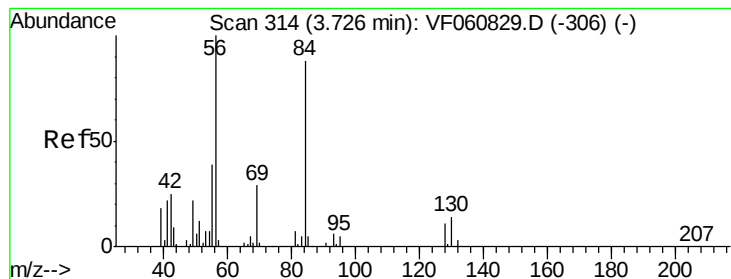
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#30
Chloroform
Concen: 21.67 ug/l
RT: 3.89 min Scan# 330
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.4	80.2





#31

Cyclohexane

Concen: 23.24 ug/l m

RT: 3.71 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

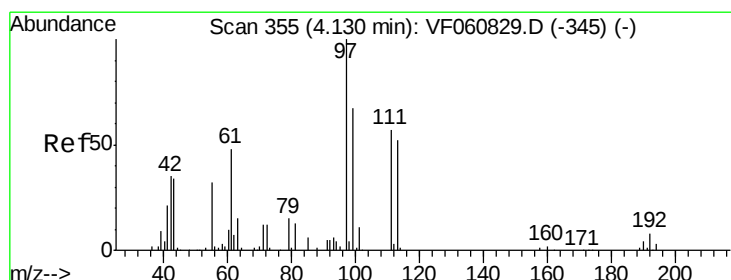
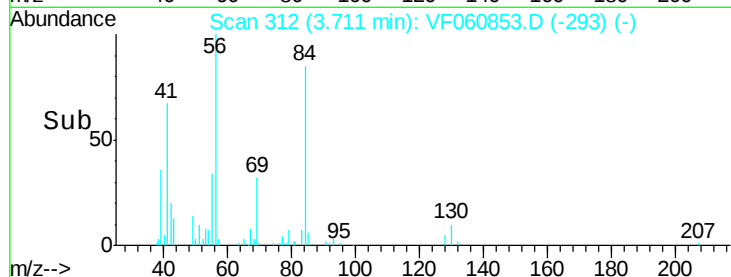
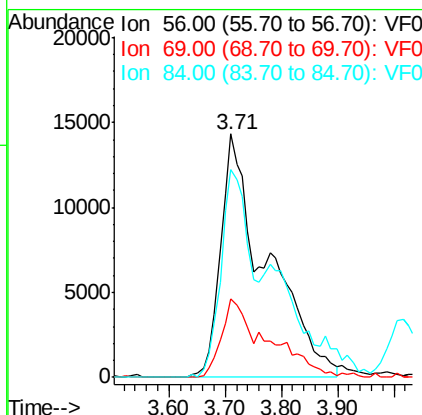
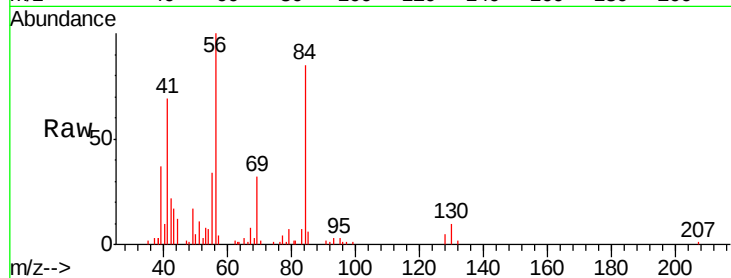
ClientSampleId :

VF1128SBDS01

Tgt Ion:	56	Resp:	81133
Ion Ratio	Lower	Upper	
56	100		
69	32.3	23.0	34.4
84	85.5	70.4	105.6

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#32

1,1,1-Trichloroethane

Concen: 19.18 ug/l

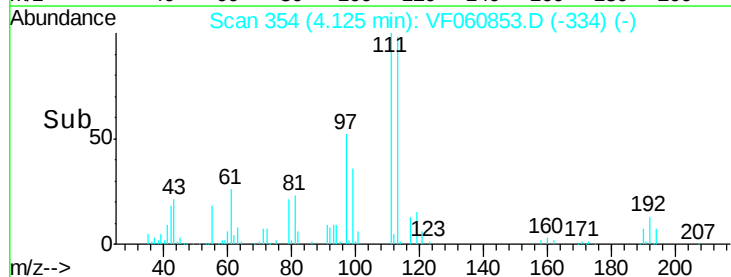
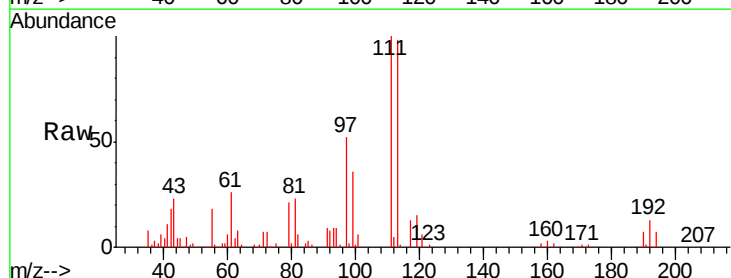
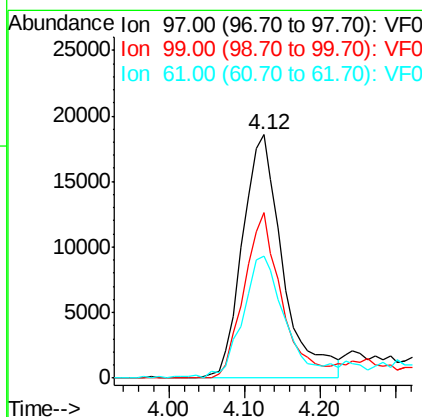
RT: 4.12 min Scan# 354

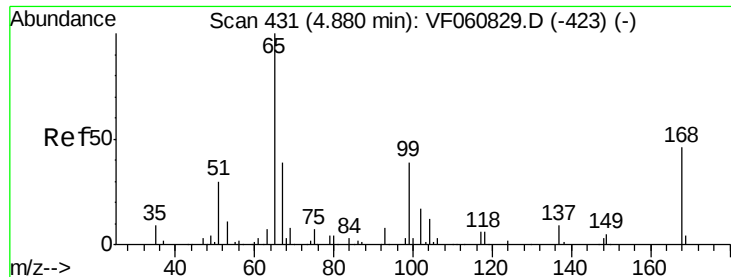
Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion:	97	Resp:	68846
Ion Ratio	Lower	Upper	
97	100		
99	68.2	53.5	80.3
61	49.9	38.6	58.0





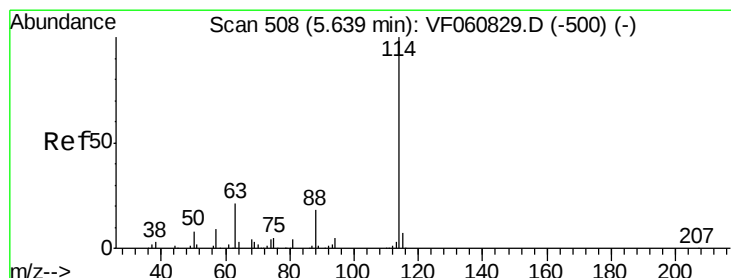
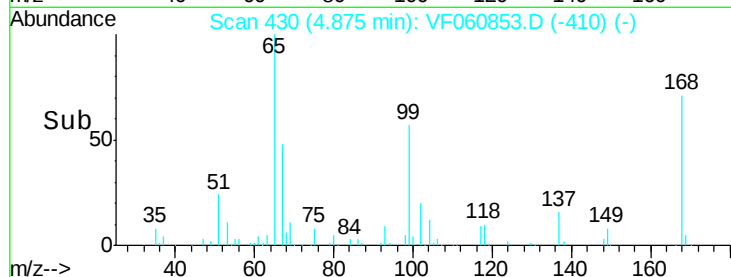
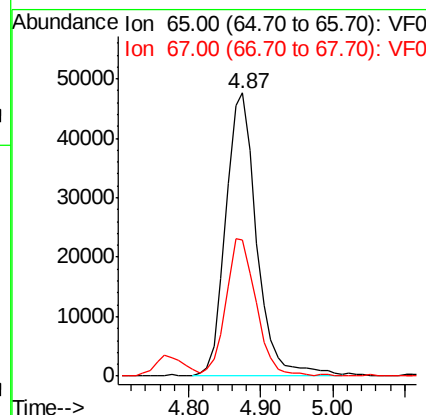
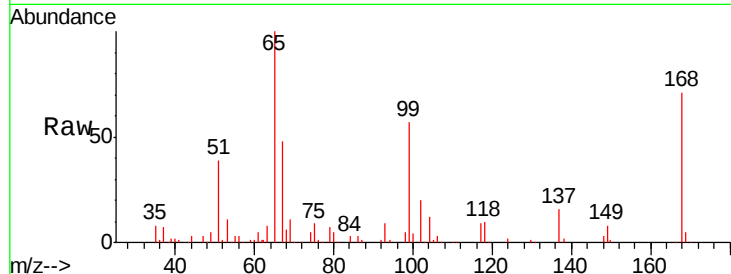
#33
 1,2-Dichloroethane-d4
 Concen: 56.69 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	140529		
67	47.9	0.0	96.4	

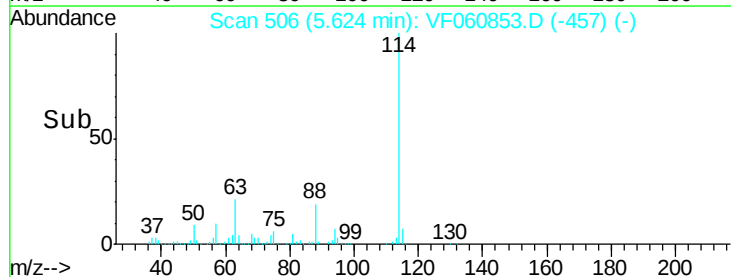
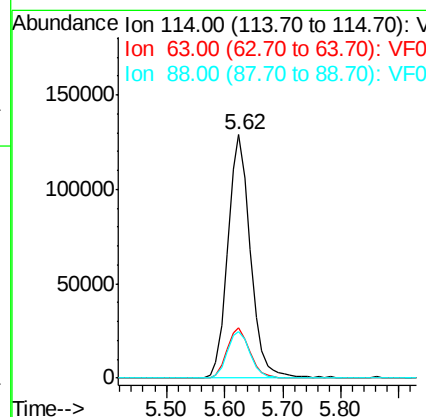
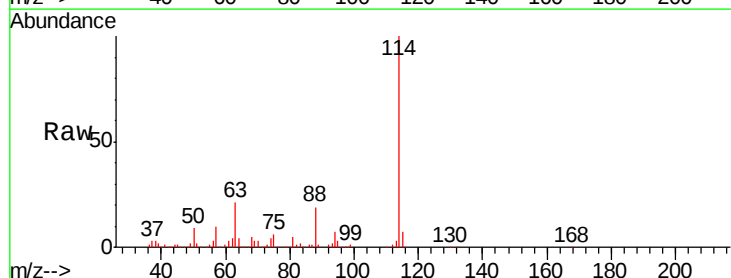
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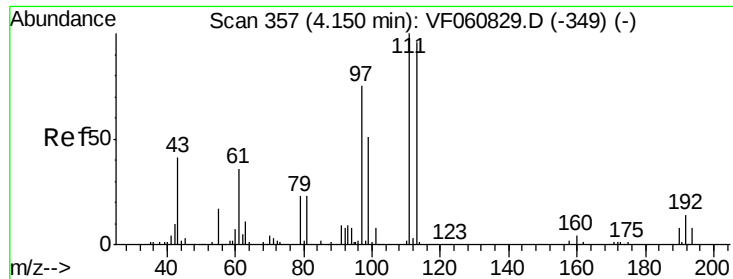
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.02 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	347405		
63	20.6	0.0	41.6	
88	19.0	0.0	36.6	





#35

Dibromofluoromethane

Concen: 55.28 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

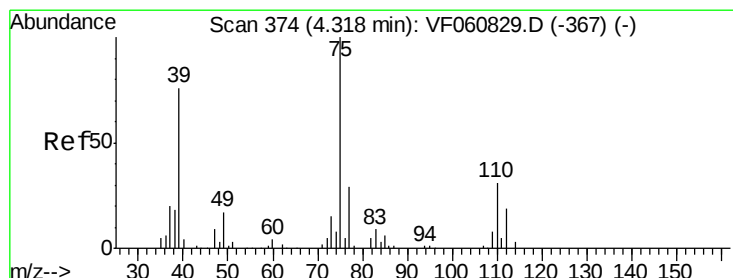
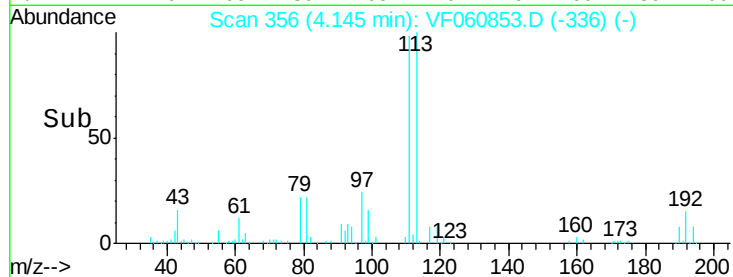
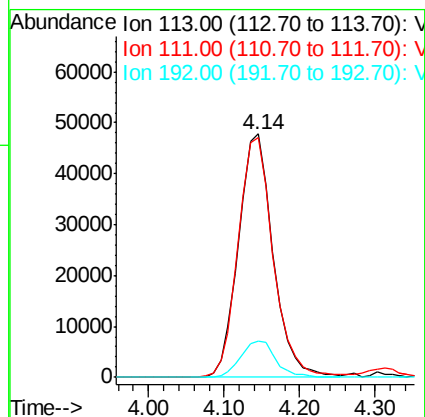
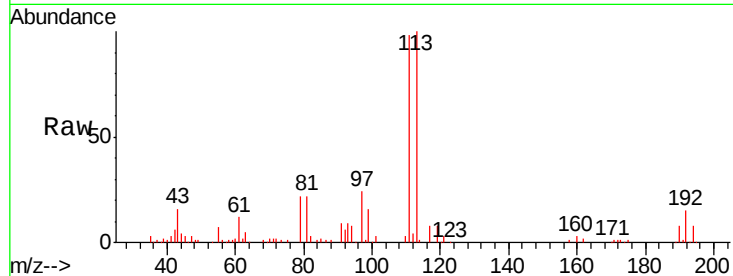
ClientSampleId :

VF1128SBDS01

Tgt Ion:	113	Resp:	152356
Ion Ratio	Lower	Upper	
113	100		
111	98.3	83.0	124.6
192	14.9	12.3	18.5

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#36

1,1-Dichloropropene

Concen: 21.04 ug/l

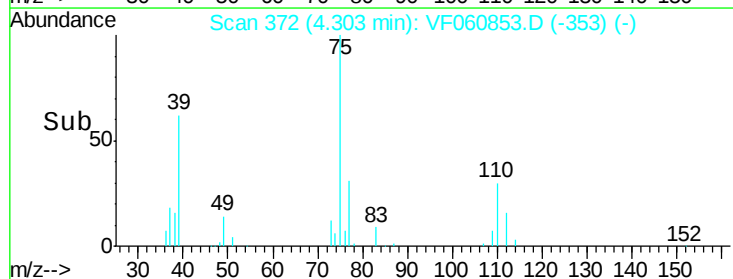
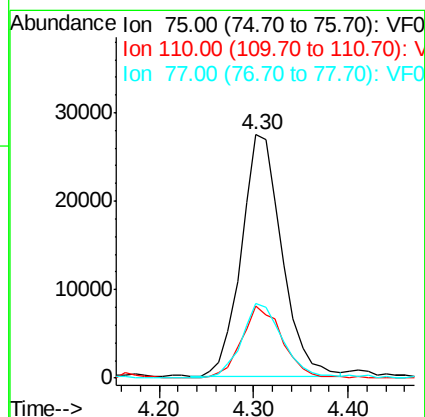
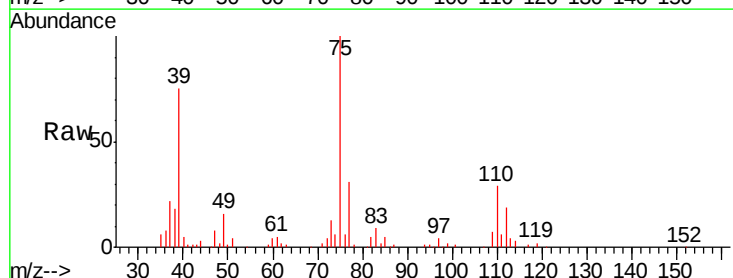
RT: 4.30 min Scan# 372

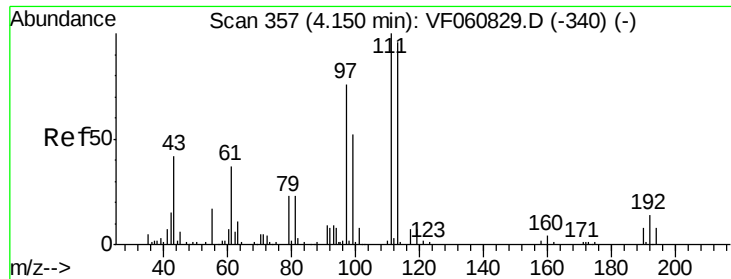
Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion:	75	Resp:	81071
Ion Ratio	Lower	Upper	
75	100		
110	29.4	15.6	46.8
77	30.7	23.4	35.0





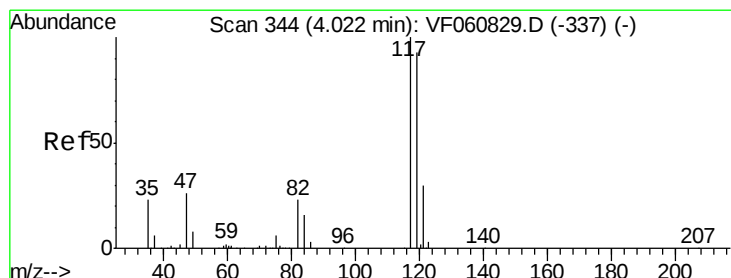
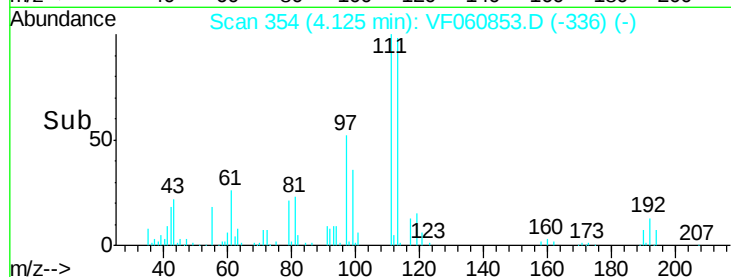
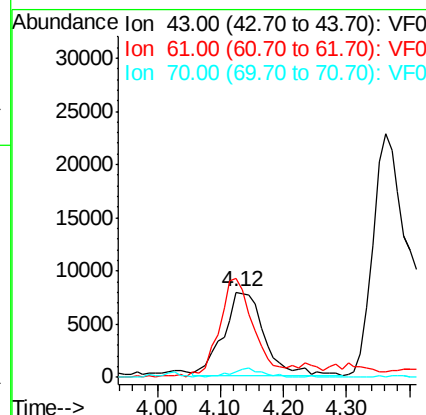
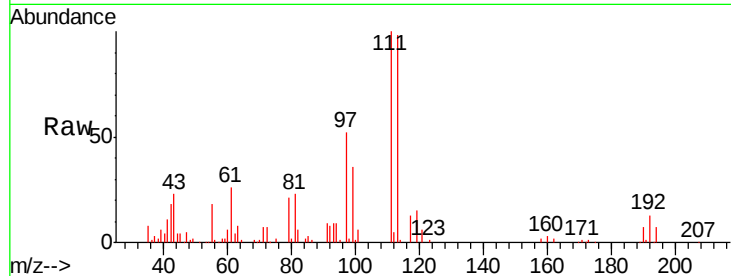
#37
Ethyl Acetate
Concen: 22.18 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	115.5	68.6	103.0#
70	5.8	9.0	13.4#

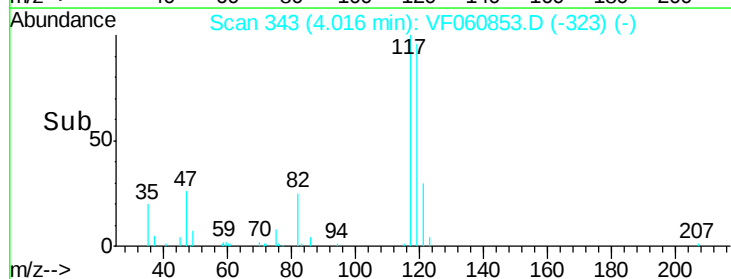
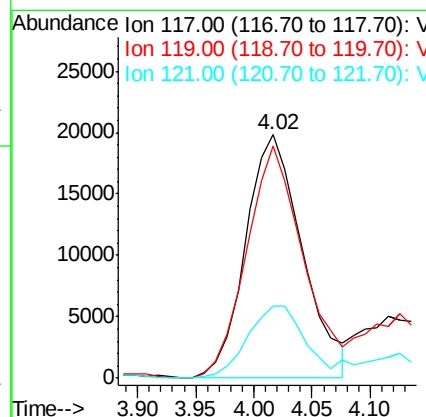
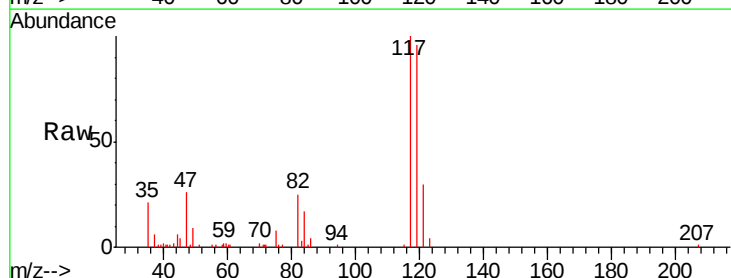
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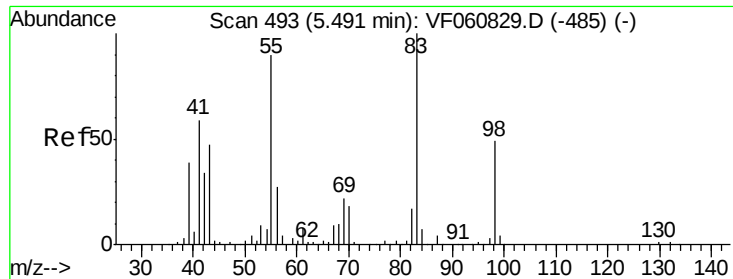
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#38
Carbon Tetrachloride
Concen: 19.67 ug/l
RT: 4.02 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	74.4	111.6
121	29.6	23.5	35.3





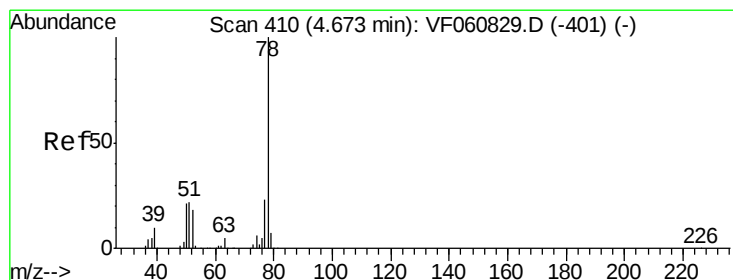
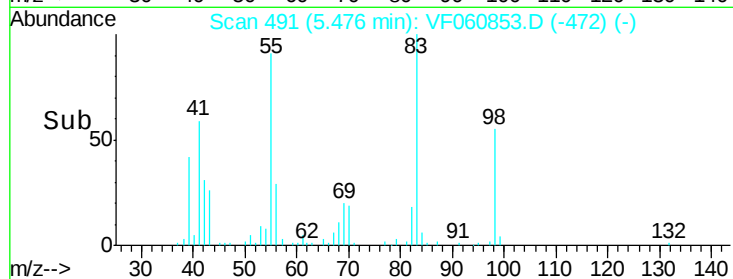
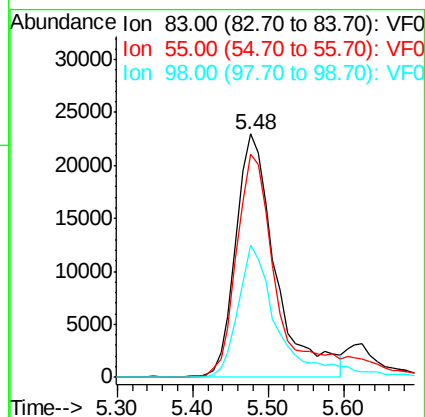
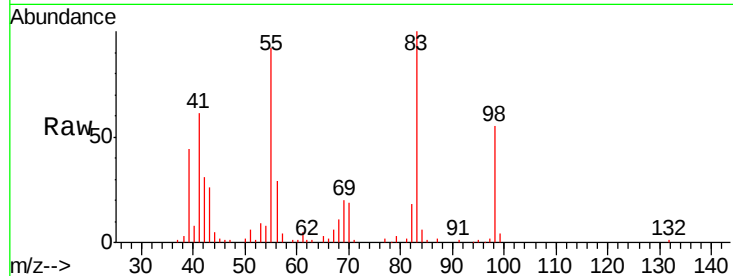
#39
Methylcyclohexane
Concen: 20.88 ug/l
RT: 5.48 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	91.6	72.1	108.1
98	54.5	39.1	58.7

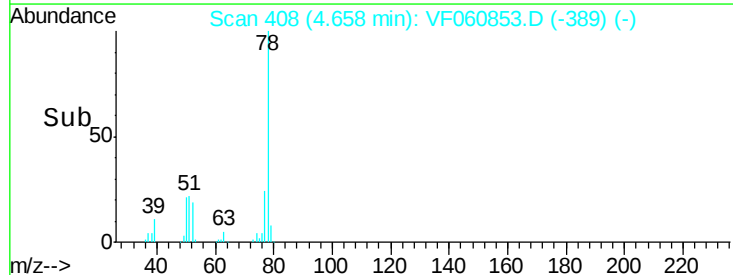
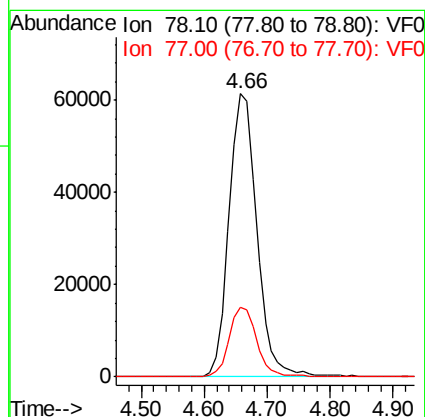
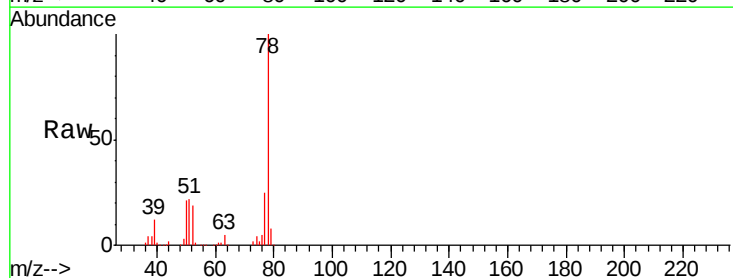
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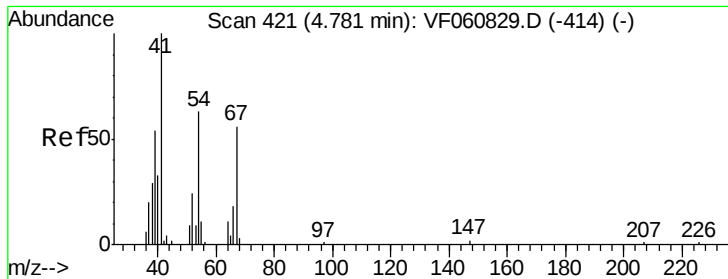
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#40
Benzene
Concen: 22.16 ug/l
RT: 4.66 min Scan# 408
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.7	28.1





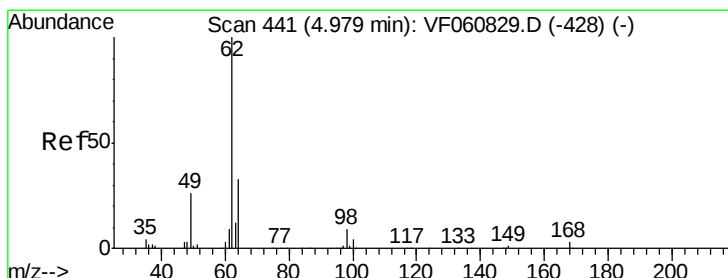
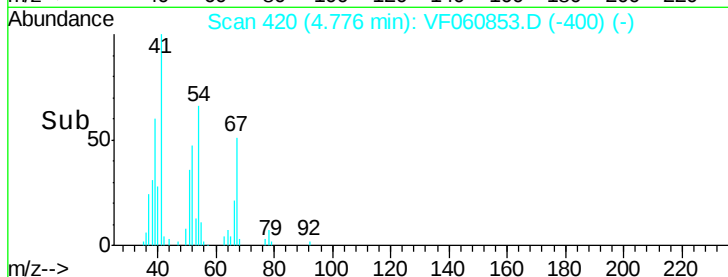
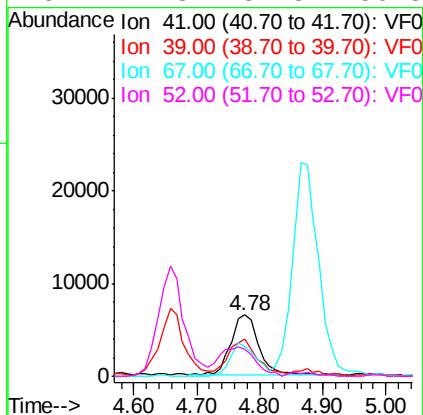
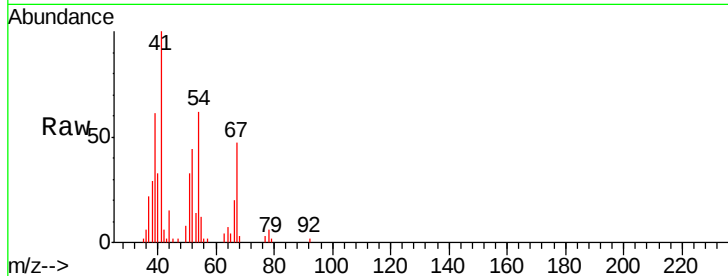
#41
Methacrylonitrile
Concen: 22.24 ug/l
RT: 4.78 min Scan# 420
Delta R.T. -0.00 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.7	53.0	79.6
67	47.4	43.8	65.6
52	44.3	37.8	56.8

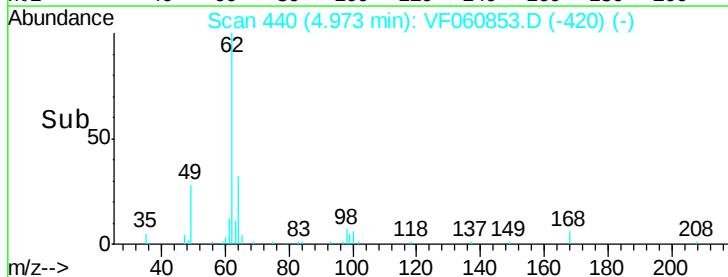
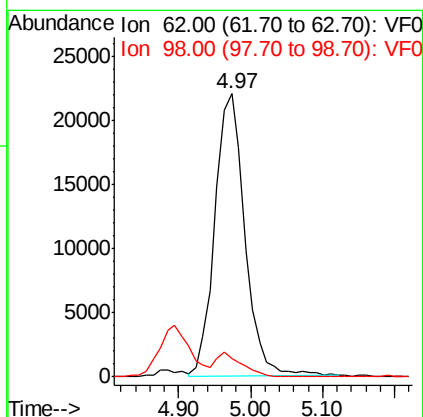
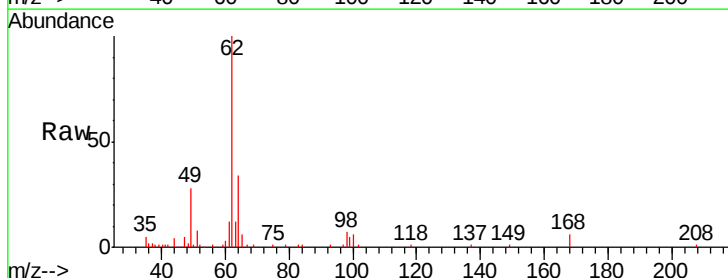
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#42
1,2-Dichloroethane
Concen: 20.38 ug/l
RT: 4.97 min Scan# 440
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	17.2





#43

Isopropyl Acetate

Concen: 19.74 ug/l

RT: 6.99 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

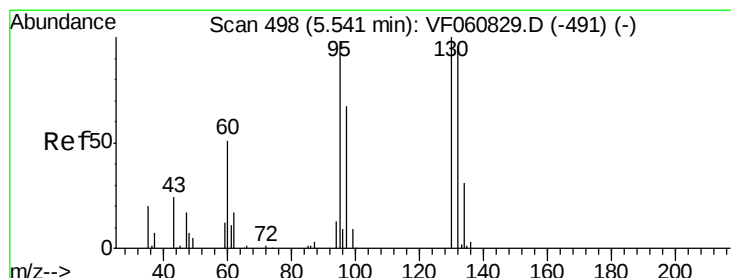
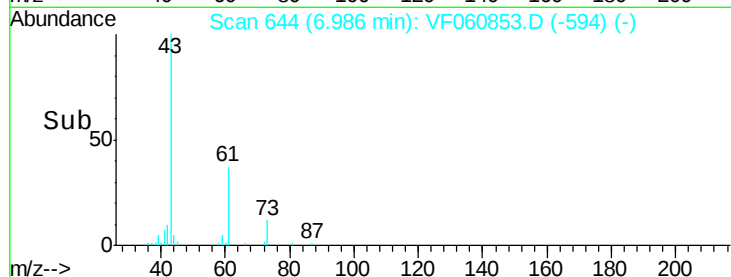
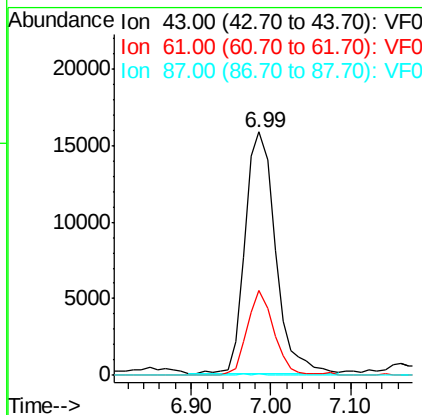
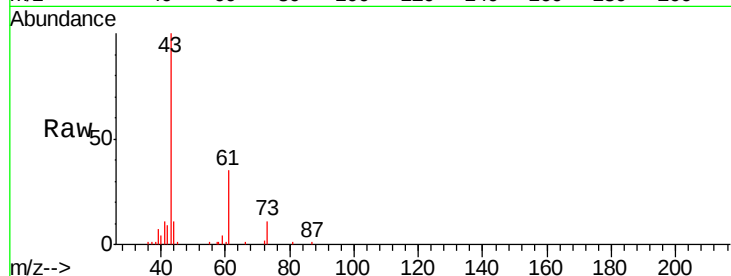
ClientSampleId :

VF1128SBDS01

Tgt Ion:	43	Resp:	41314
Ion Ratio	Lower	Upper	
43	100		
61	34.7	21.4	32.0#
87	0.9	0.2	0.4#

Manual Integrations
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#44

Trichloroethene

Concen: 22.40 ug/l

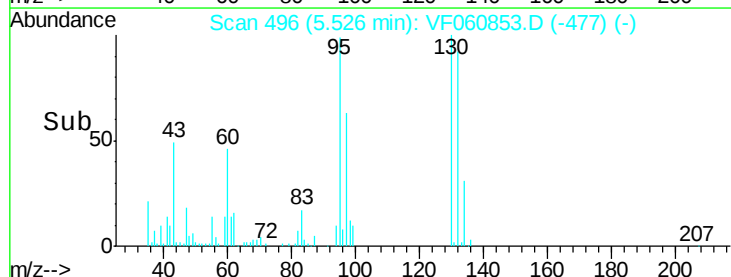
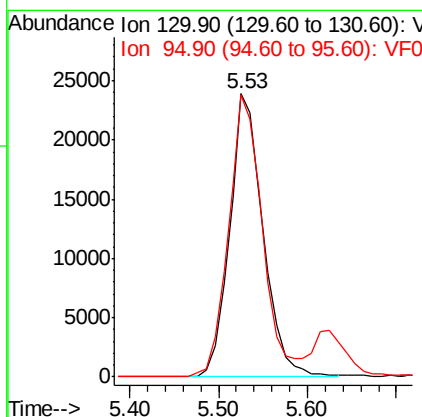
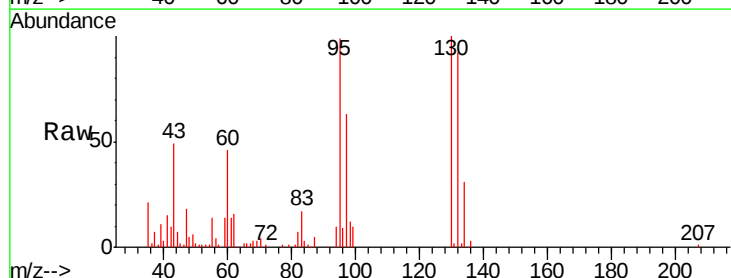
RT: 5.53 min Scan# 496

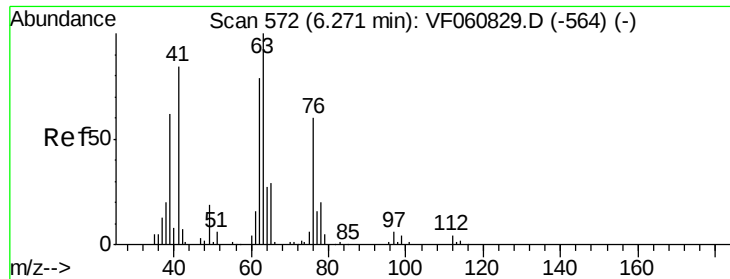
Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion:	130	Resp:	62355
Ion Ratio	Lower	Upper	
130	100		
95	99.5	0.0	195.6





#45

1,2-Dichloropropane

Concen: 22.66 ug/l

RT: 6.26 min Scan# 570

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 63 Resp: 50095

Ion Ratio Lower Upper

63 100

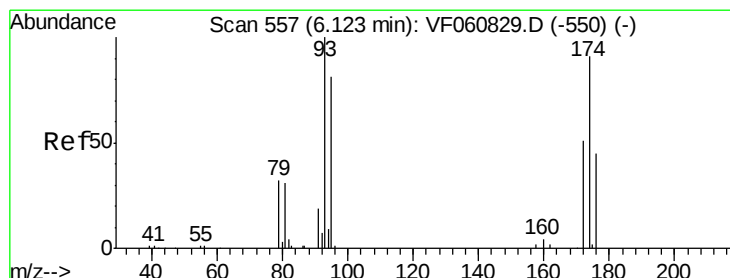
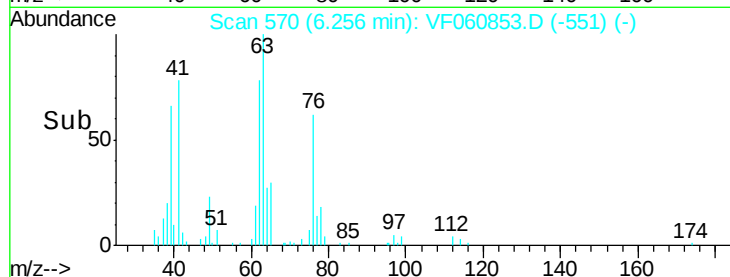
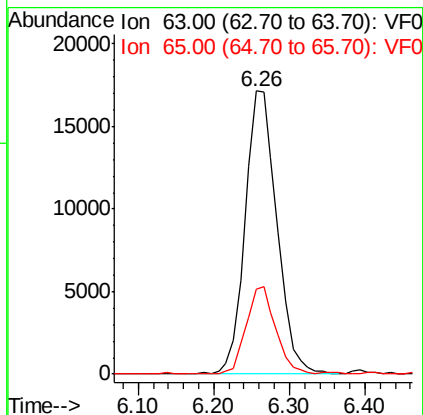
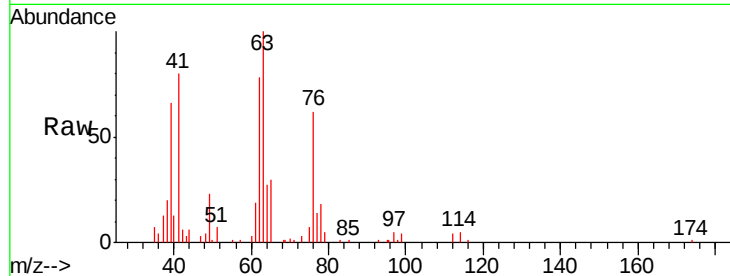
65 29.9 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 21.59 ug/l

RT: 6.12 min Scan# 556

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

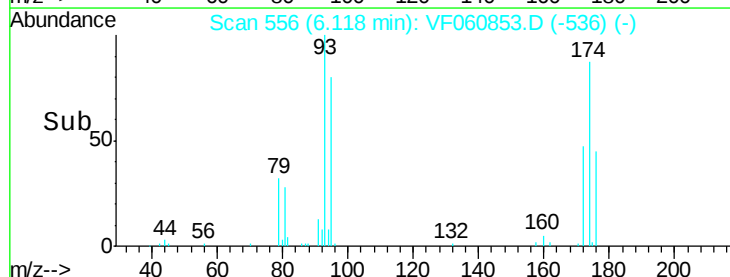
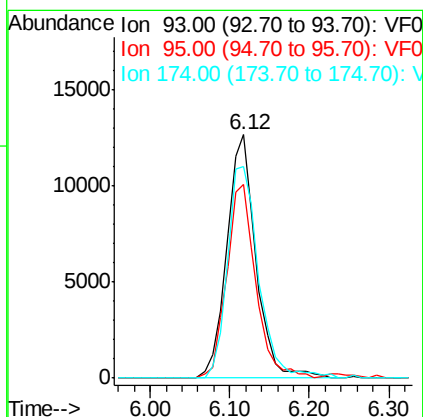
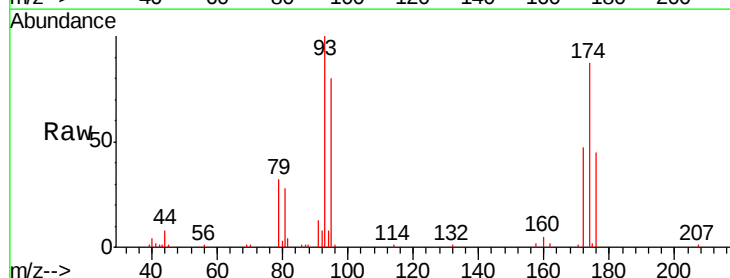
Tgt Ion: 93 Resp: 32387

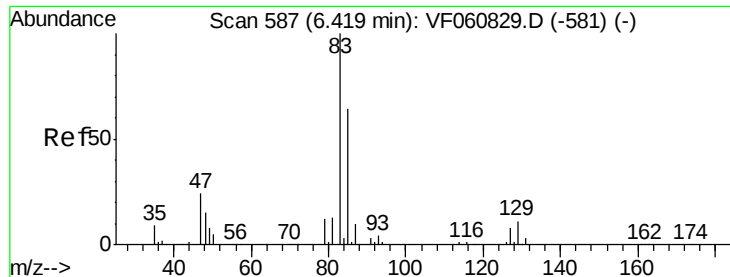
Ion Ratio Lower Upper

93 100

95 79.6 64.7 97.1

174 89.0 73.0 109.6





#47

Bromodichloromethane

Concen: 21.34 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

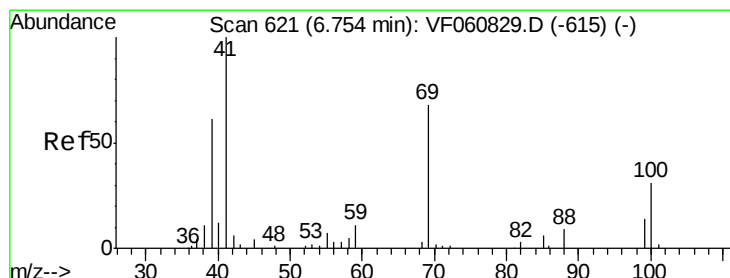
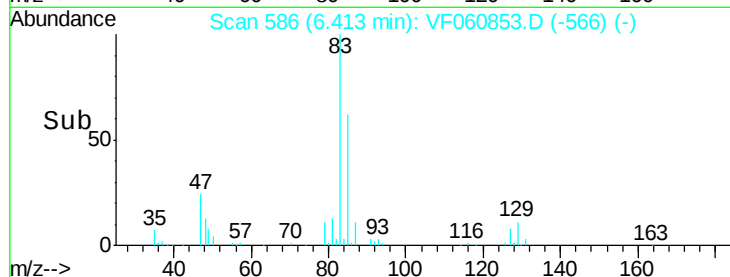
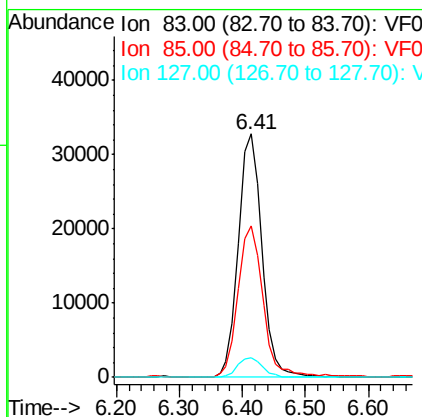
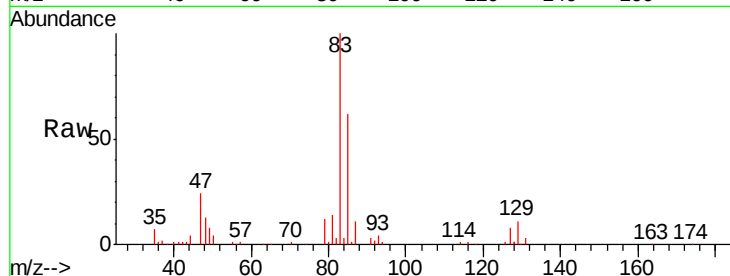
ClientSampleId :

VF1128SBDS01

Tgt Ion:	83	Resp:	84999
Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.1	76.7
127	7.9	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.04 ug/l

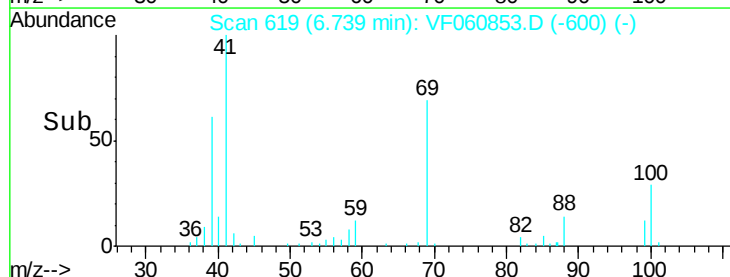
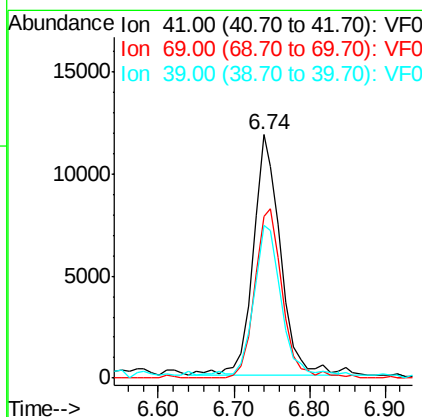
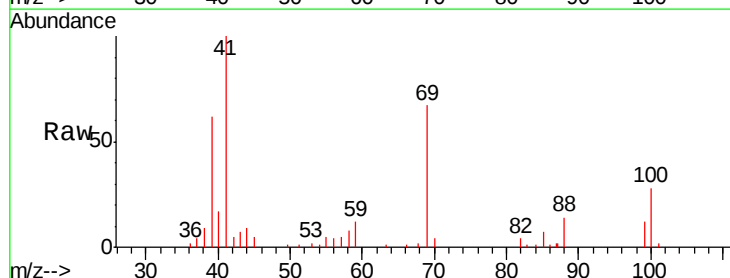
RT: 6.74 min Scan# 619

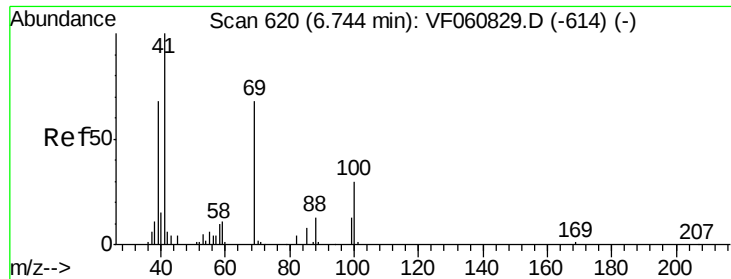
Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion:	41	Resp:	29819
Ion	Ratio	Lower	Upper
41	100		
69	66.6	53.9	80.9
39	62.5	49.0	73.6





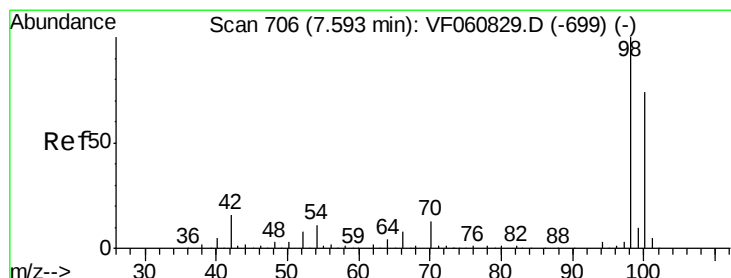
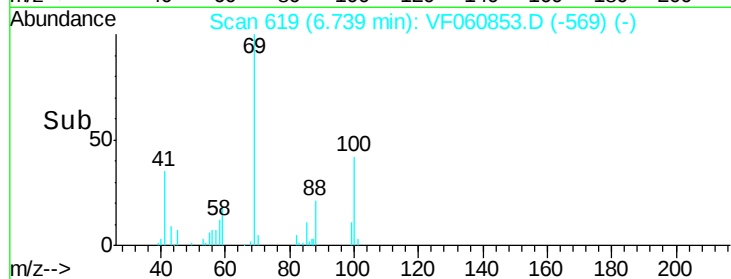
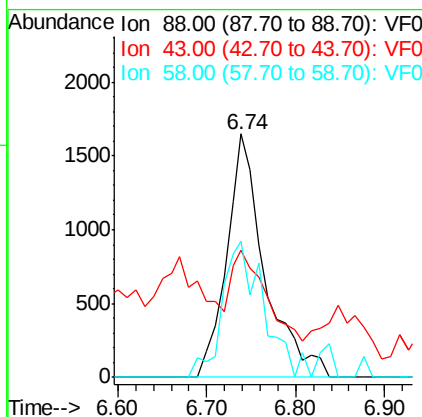
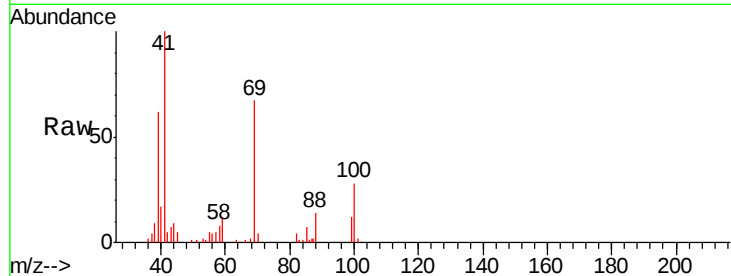
#49
1,4-Dioxane
Concen: 475.15 ug/l
RT: 6.74 min Scan# 619
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	52.2	42.0	63.0
58	56.1	61.8	92.8#

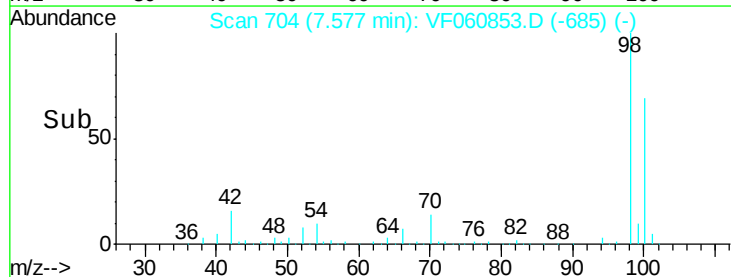
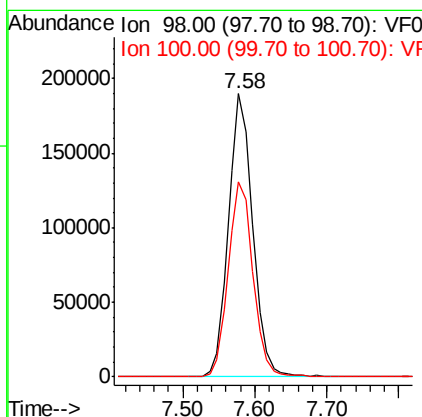
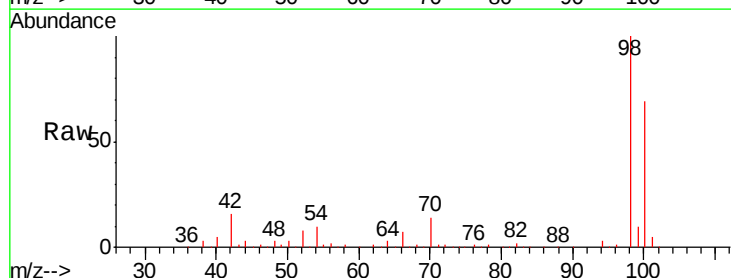
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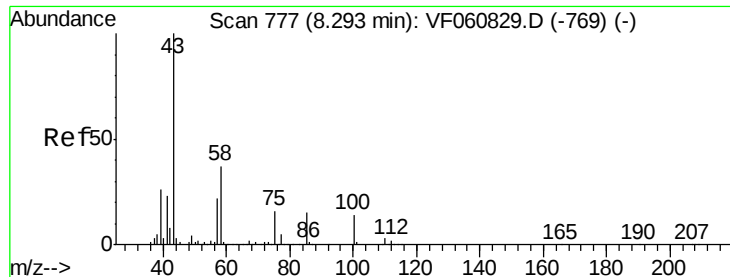
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#50
Toluene-d8
Concen: 54.92 ug/l
RT: 7.58 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.9	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 111.05 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 43 Resp: 160355

Ion Ratio Lower Upper

43 100

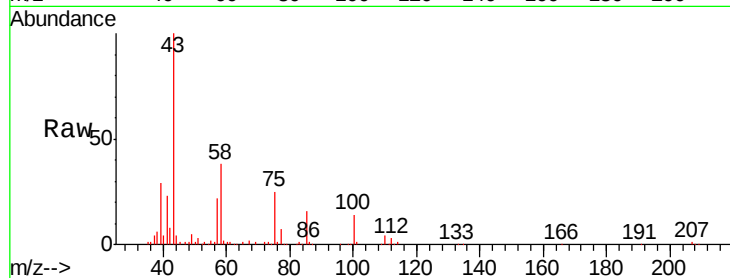
58 38.4 29.7 44.5

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.29

60000

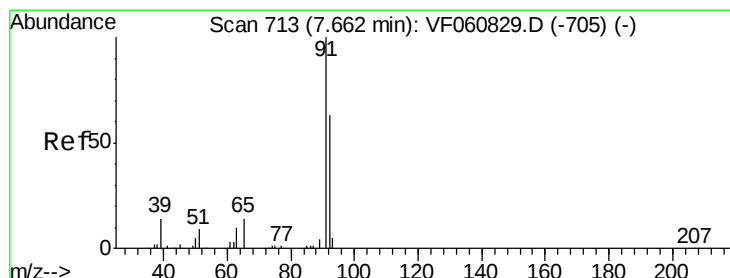
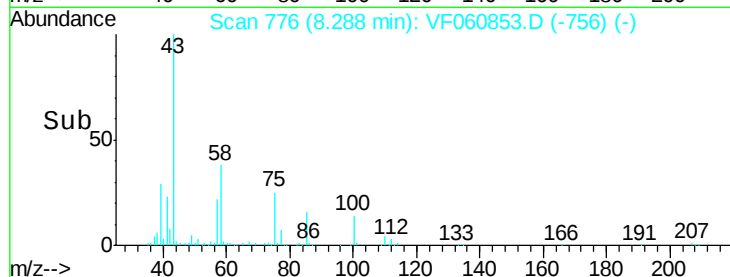
40000

20000

0

8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 20.67 ug/l

RT: 7.65 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF060853.D

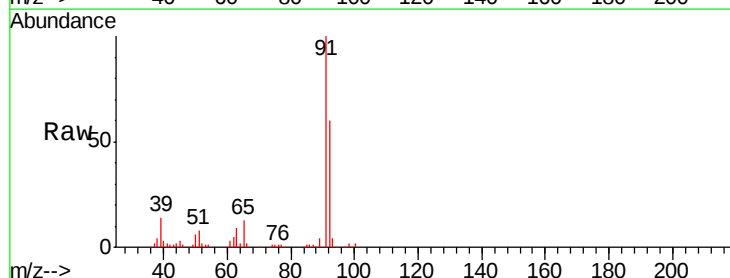
Acq: 28 Nov 2018 12:51

Tgt Ion: 92 Resp: 123601

Ion Ratio Lower Upper

92 100

91 167.4 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.65

100000

80000

60000

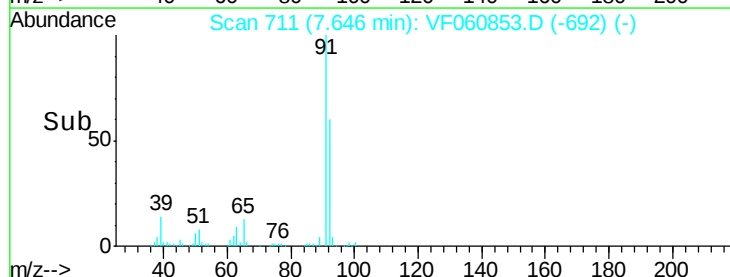
40000

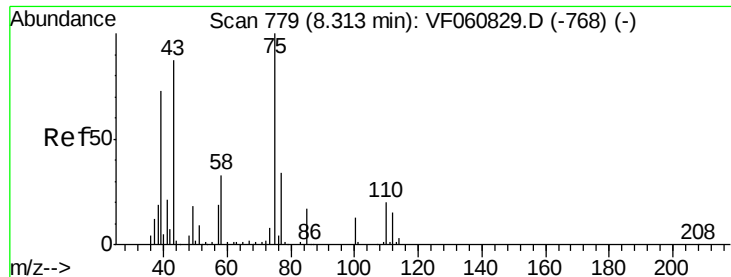
20000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.25 ug/l

RT: 8.31 min Scan# 778

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 75 Resp: 72079

Ion Ratio Lower Upper

75 100

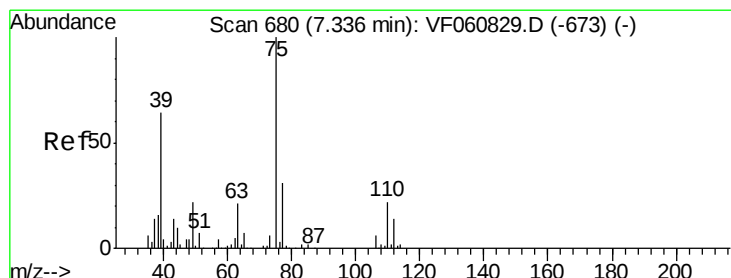
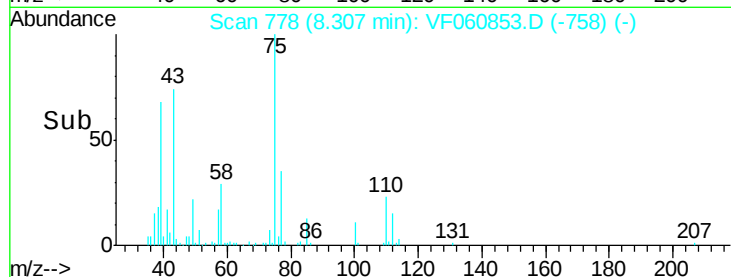
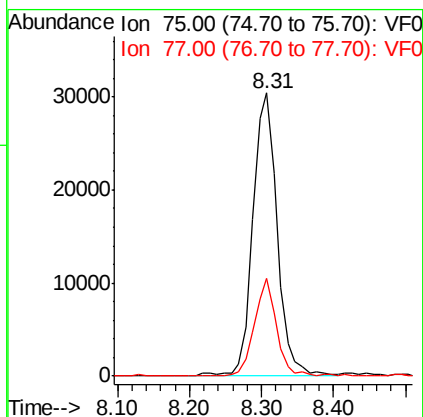
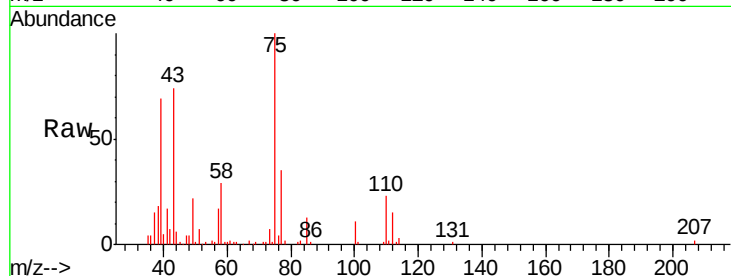
77 34.5 27.4 41.2

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#54

cis-1,3-Dichloropropene

Concen: 21.29 ug/l

RT: 7.33 min Scan# 679

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

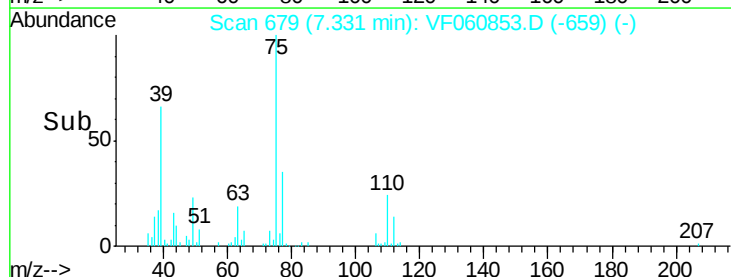
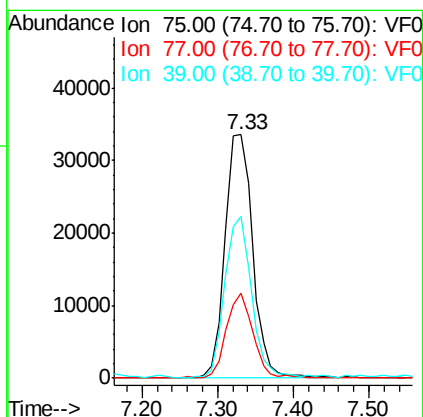
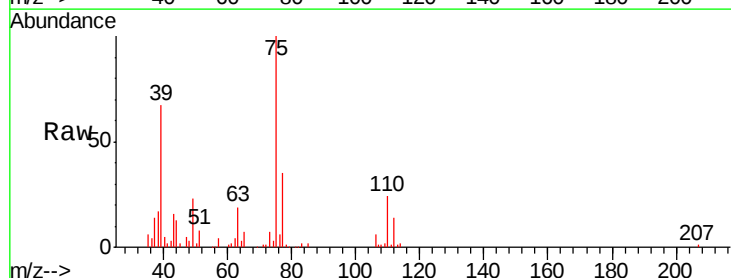
Tgt Ion: 75 Resp: 85388

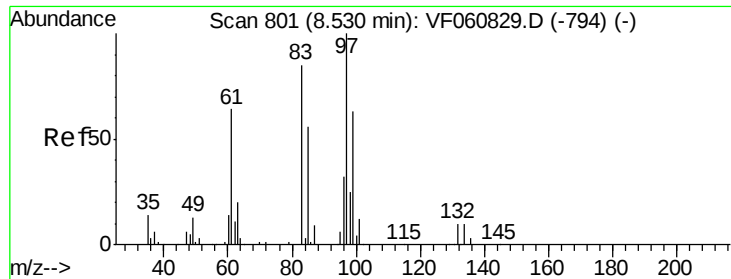
Ion Ratio Lower Upper

75 100

77 34.9 25.0 37.6

39 66.6 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 21.55 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

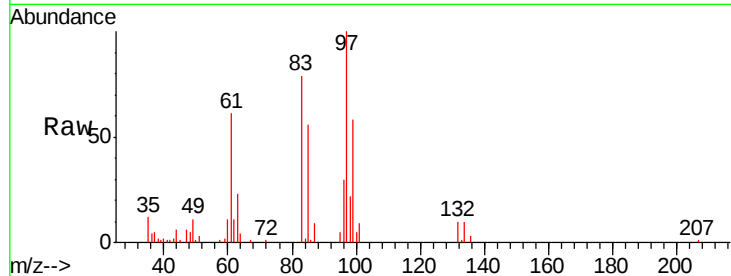
ClientSampleId :

VF1128SBDS01

Tgt Ion:	97	Resp:	37549
Ion	Ratio	Lower	Upper
97	100		
83	79.3	67.8	101.6
85	56.4	45.0	67.6
99	58.2	50.5	75.7

Manual Integrations
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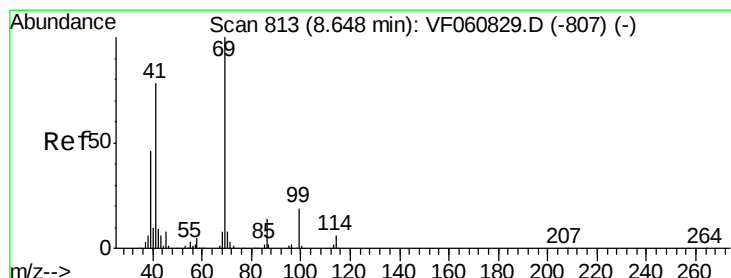
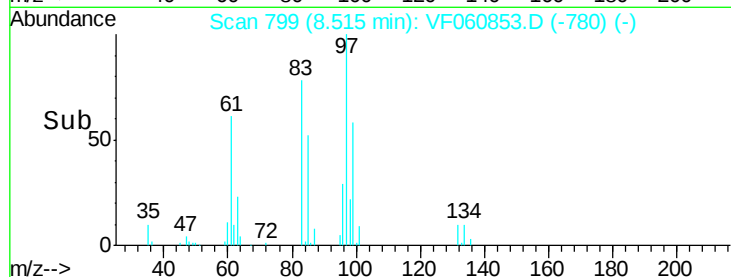
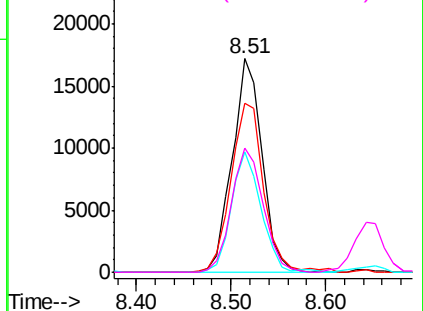


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 21.29 ug/l

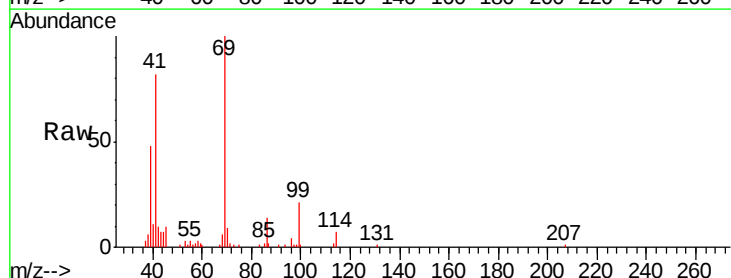
RT: 8.64 min Scan# 812

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

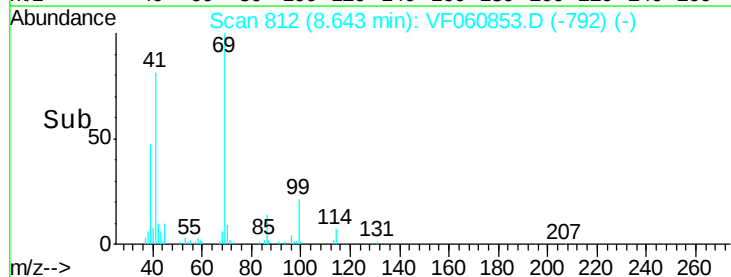
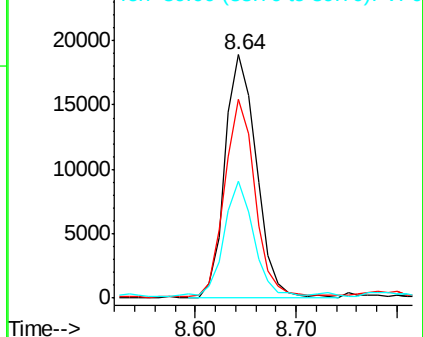
Tgt Ion:	69	Resp:	41213
Ion	Ratio	Lower	Upper
69	100		
41	81.9	62.6	94.0
39	48.0	37.8	56.6

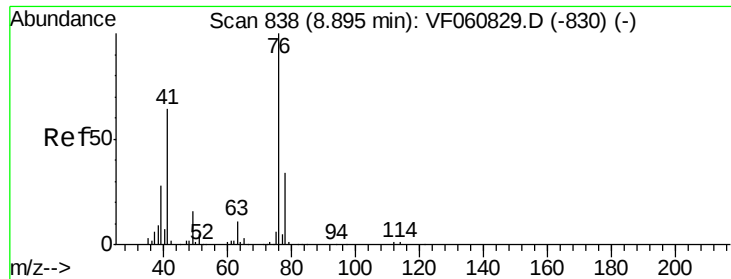


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.13 ug/l

RT: 8.88 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 76 Resp: 67456

Ion Ratio Lower Upper

76 100

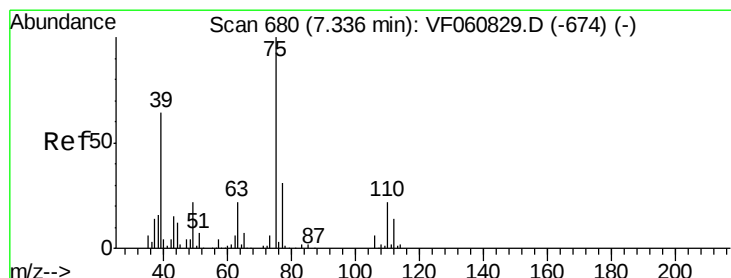
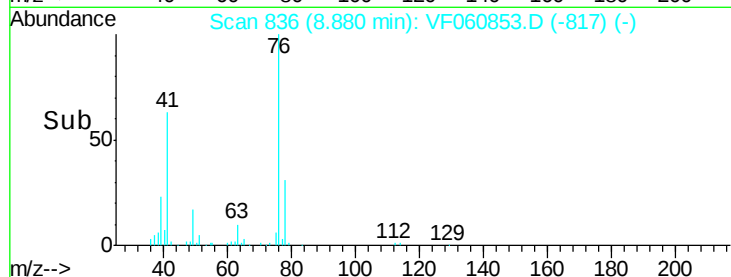
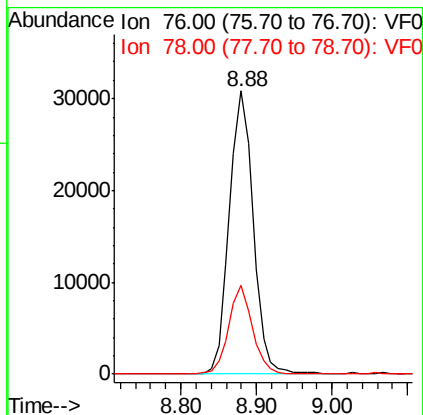
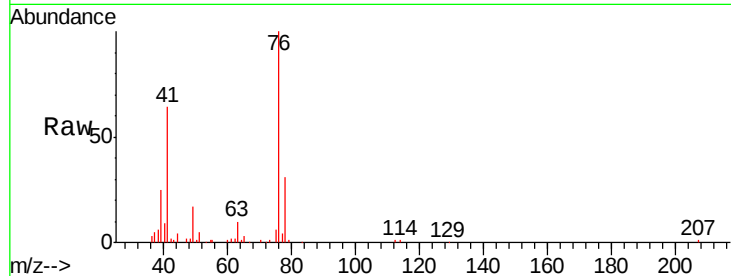
78 31.3 27.0 40.4

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#58

2-Chloroethyl Vinyl ether

Concen: 90.74 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF060853.D

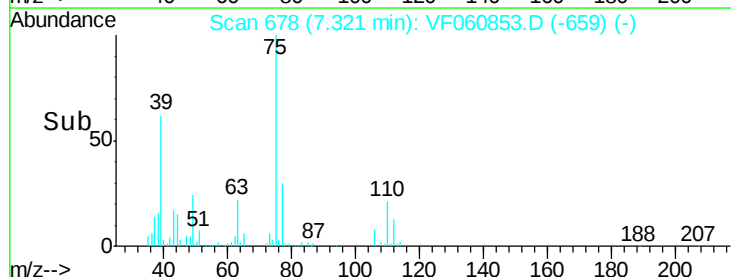
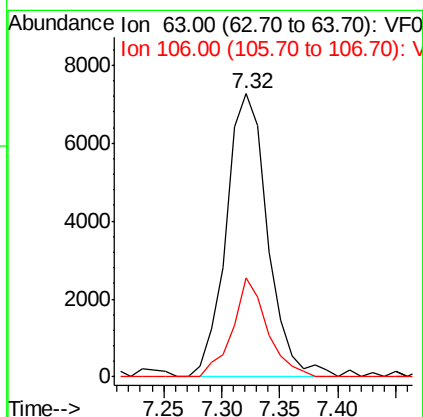
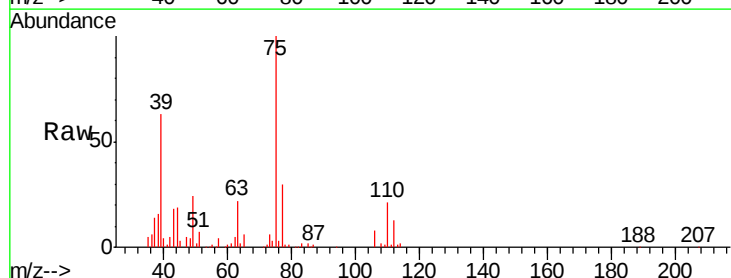
Acq: 28 Nov 2018 12:51

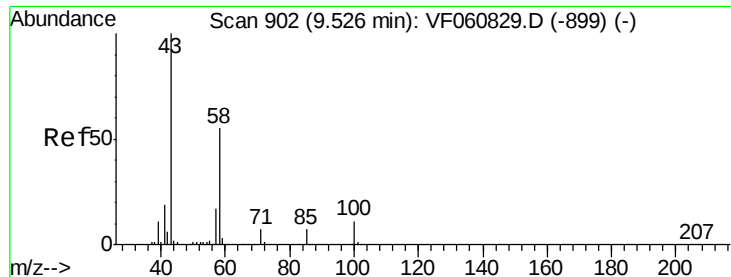
Tgt Ion: 63 Resp: 17964

Ion Ratio Lower Upper

63 100

106 34.8 23.0 34.6#





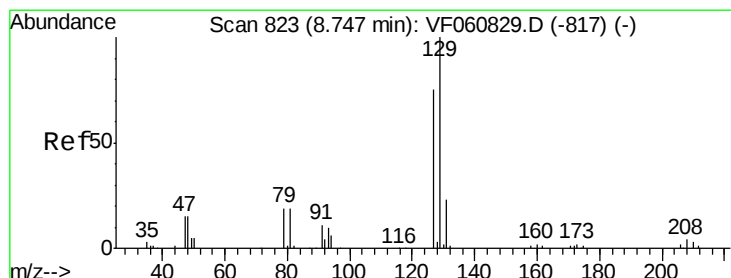
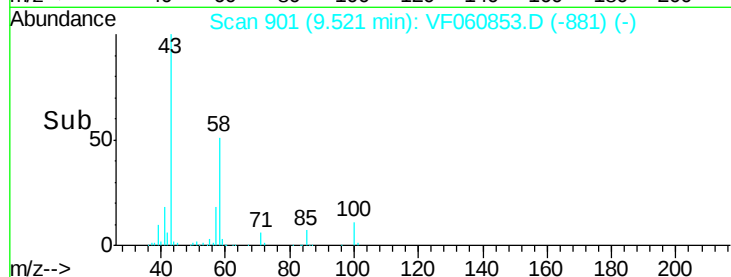
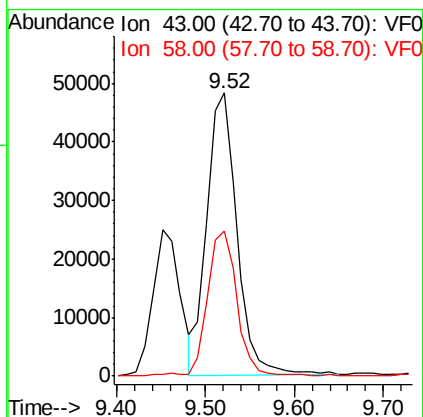
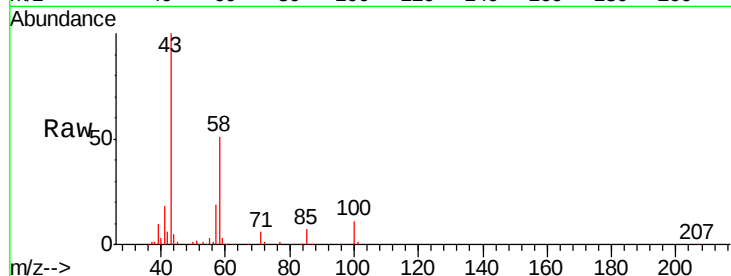
#59
2-Hexanone
Concen: 111.67 ug/l
RT: 9.52 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion: 43 Resp: 113125
Ion Ratio Lower Upper
43 100
58 51.2 25.6 76.6

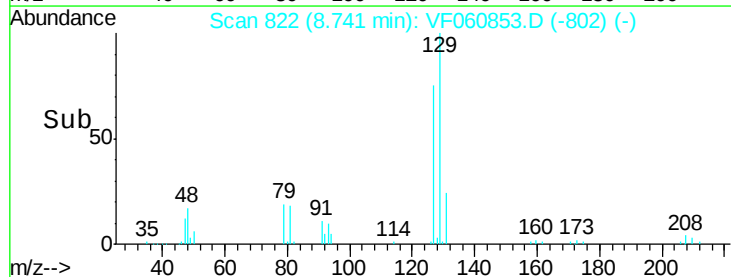
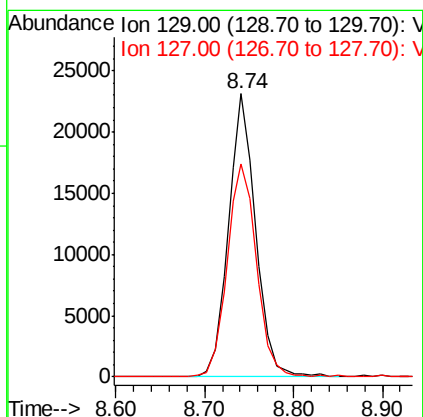
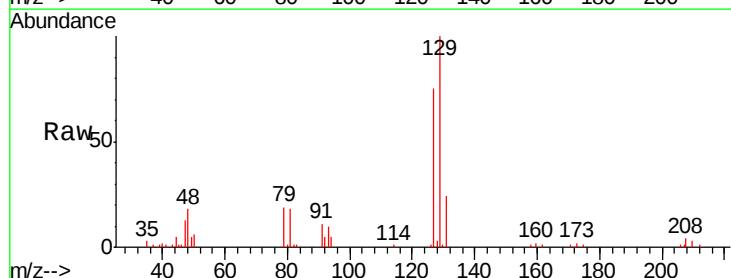
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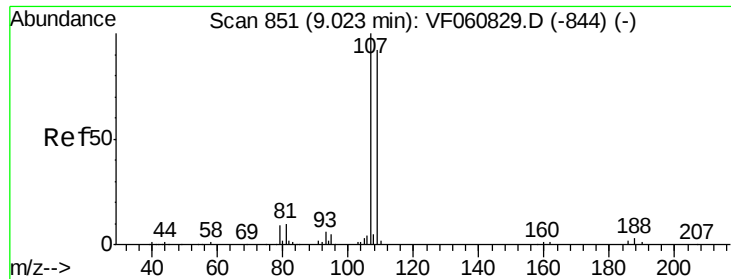
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#60
Dibromochloromethane
Concen: 19.00 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion: 129 Resp: 49326
Ion Ratio Lower Upper
129 100
127 75.3 37.3 111.9





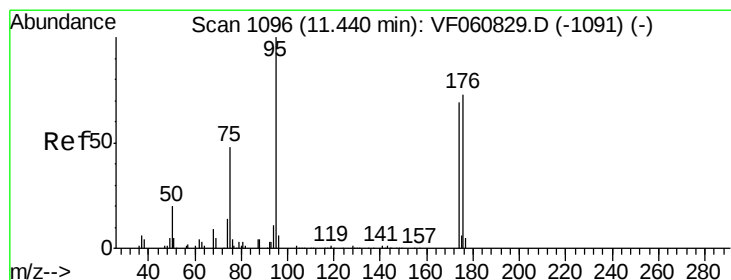
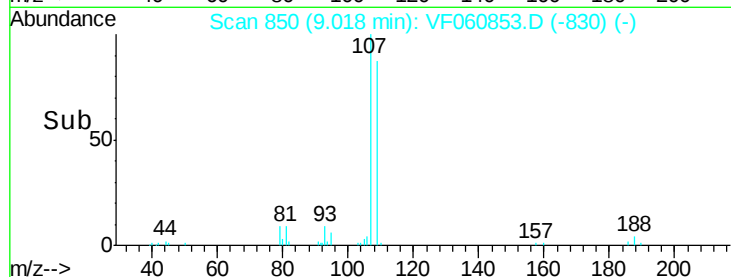
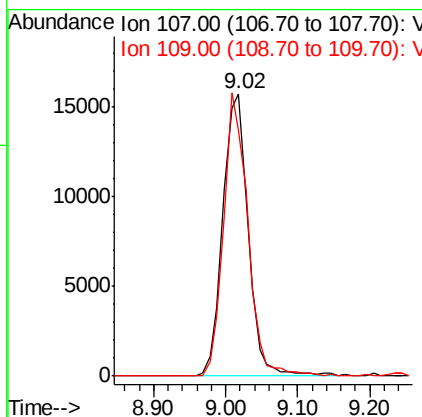
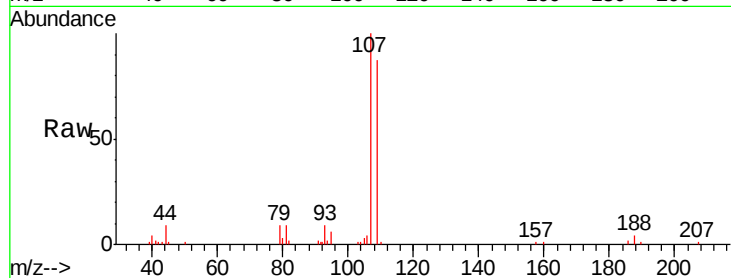
#61
 1,2-Dibromoethane
 Concen: 20.46 ug/l
 RT: 9.02 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Tgt Ion: 107 Resp: 38510
 Ion Ratio Lower Upper
 107 100
 109 87.2 73.6 110.4

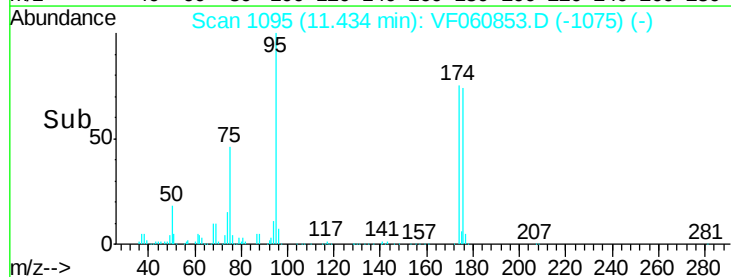
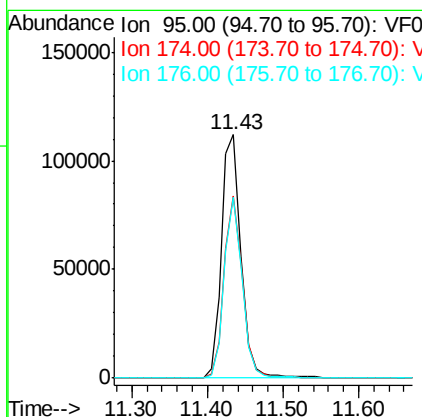
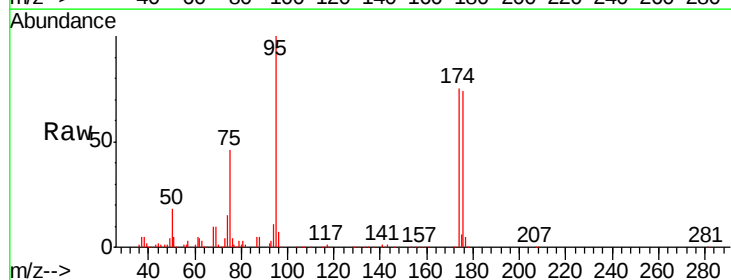
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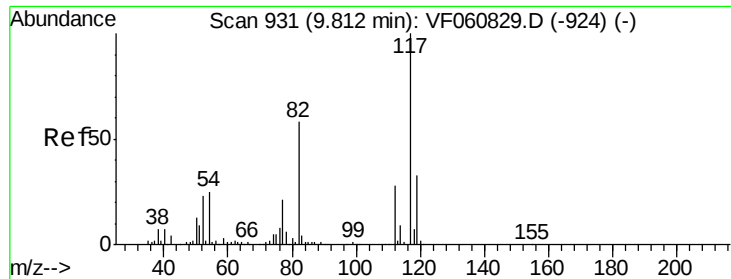
apatel
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#62
 4-Bromofluorobenzene
 Concen: 54.88 ug/l
 RT: 11.43 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion: 95 Resp: 202494
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 138.2
 176 74.4 0.0 146.2





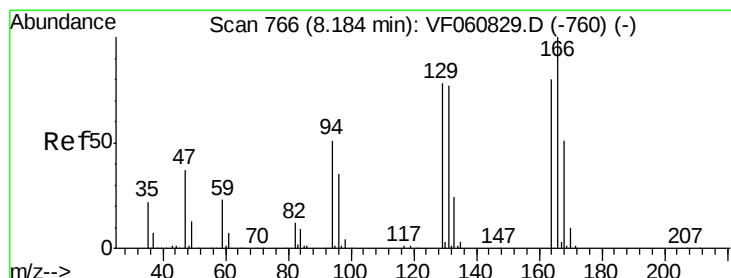
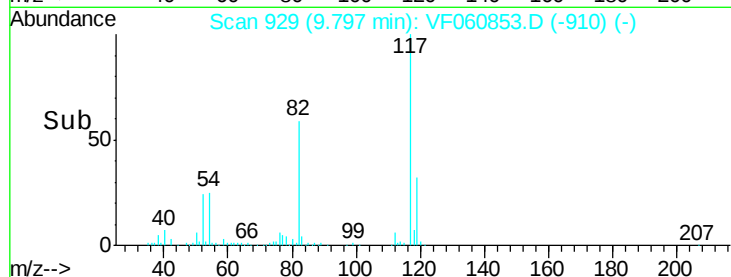
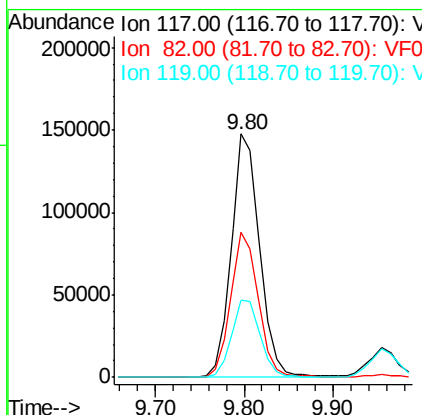
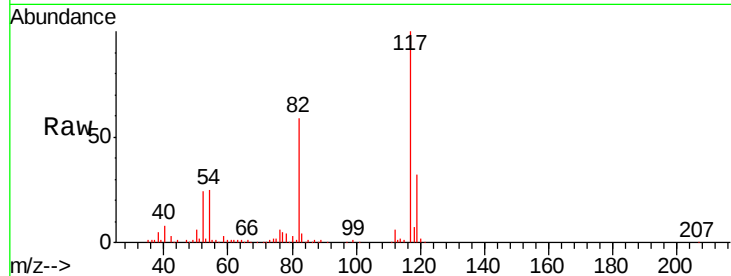
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.80 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	329953		
82	59.4	46.6	69.8	
119	32.0	26.4	39.6	

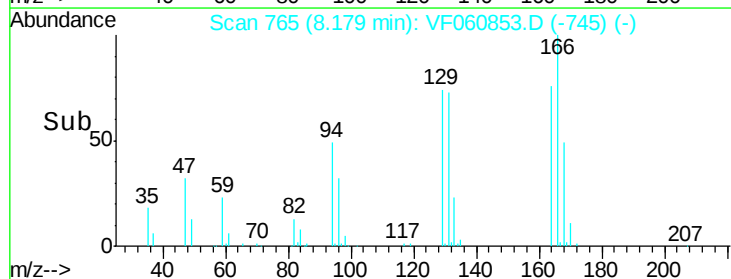
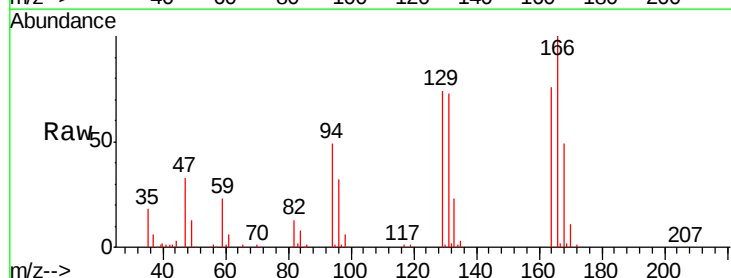
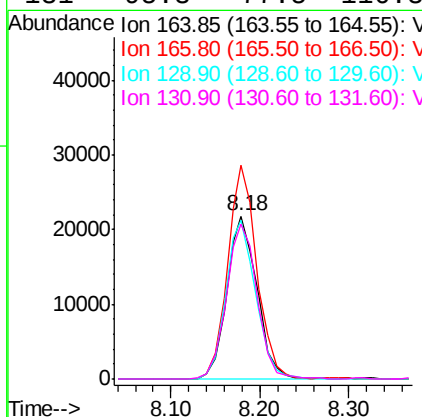
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#64
Tetrachloroethene
Concen: 20.47 ug/l
RT: 8.18 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51595		
166	131.2	100.3	150.5	
129	97.4	77.9	116.9	
131	95.3	77.5	116.3	





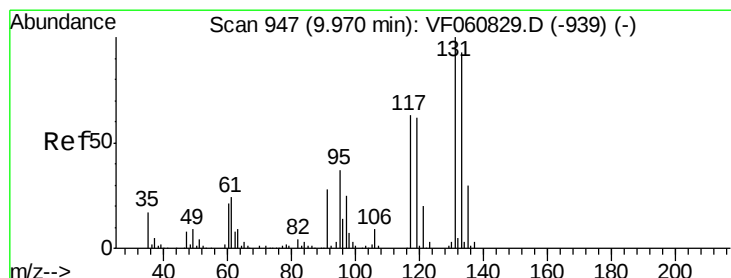
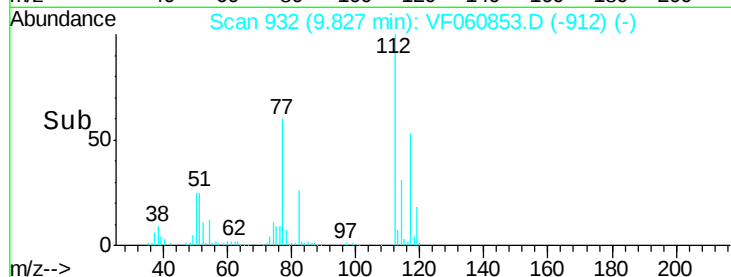
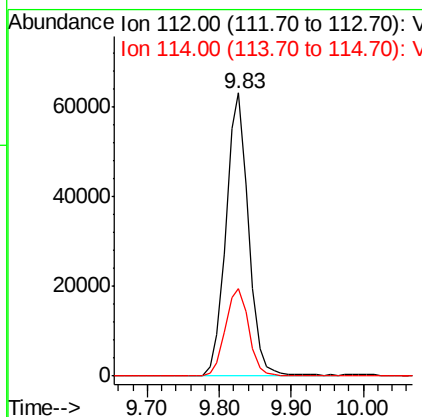
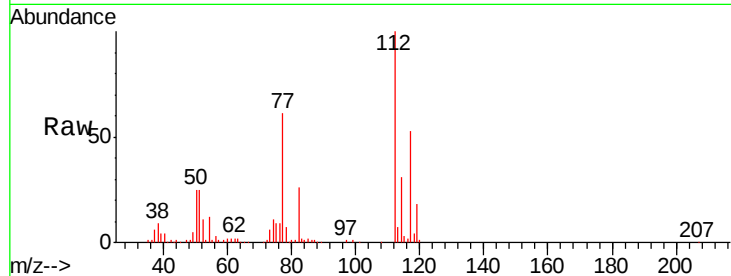
#65
Chlorobenzene
Concen: 21.41 ug/l
RT: 9.83 min Scan# 932
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion:112 Resp: 137417
Ion Ratio Lower Upper
112 100
114 31.0 26.0 39.0

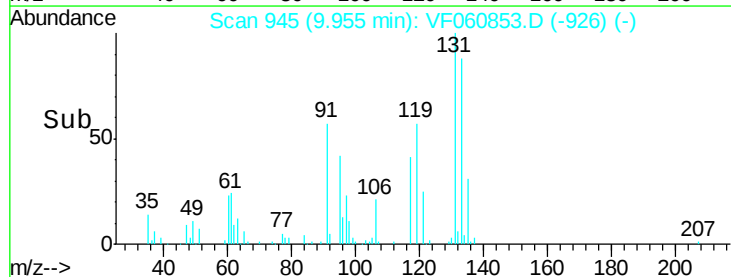
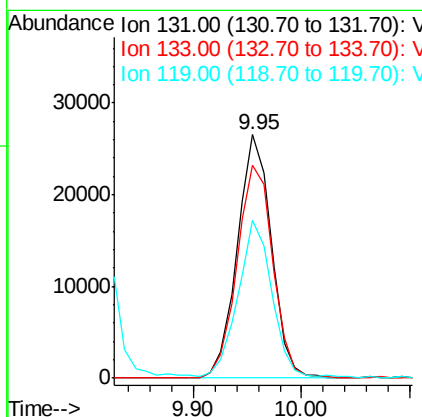
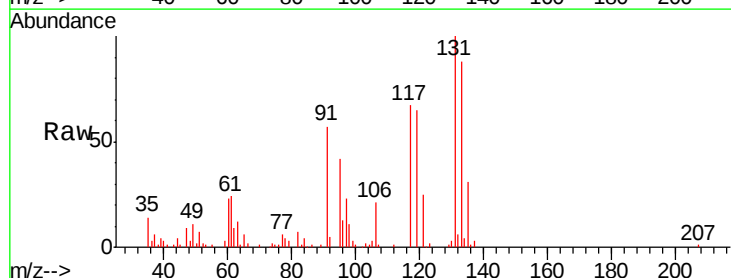
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.12 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion:131 Resp: 58278
Ion Ratio Lower Upper
131 100
133 87.7 46.5 139.3
119 65.1 31.1 93.3





#67

Ethyl Benzene

Concen: 21.83 ug/l

RT: 9.93 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 91 Resp: 260875

Ion Ratio Lower Upper

91 100

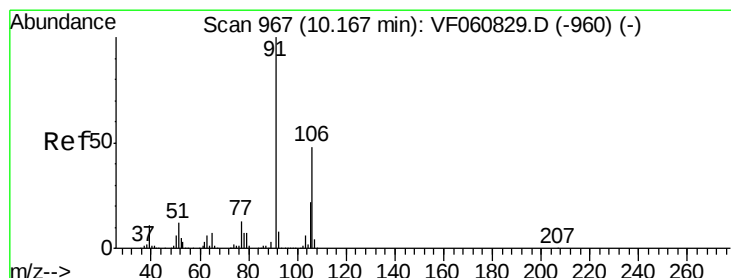
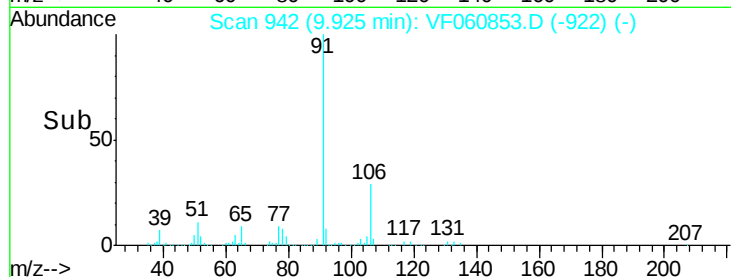
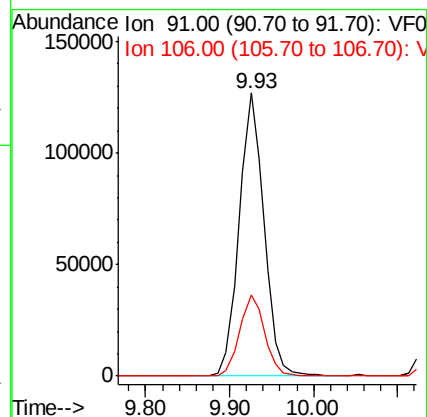
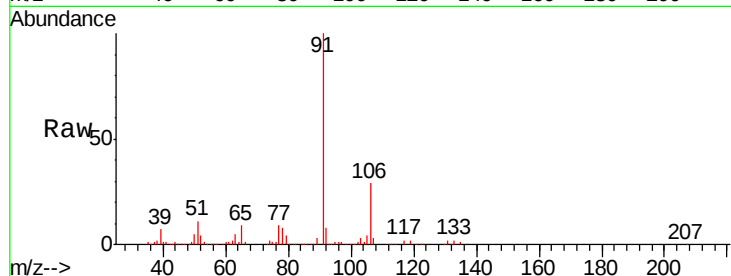
106 28.5 22.2 33.2

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#68

m/p-Xylenes

Concen: 44.21 ug/l

RT: 10.16 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF060853.D

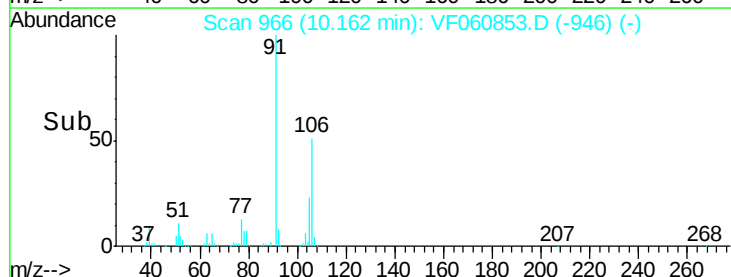
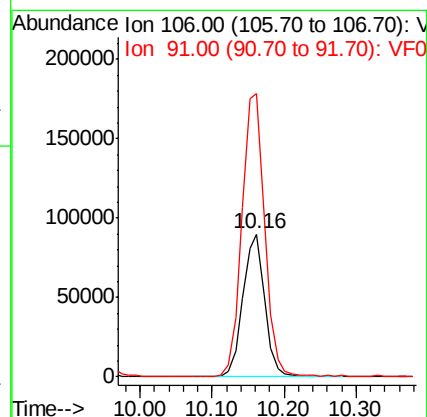
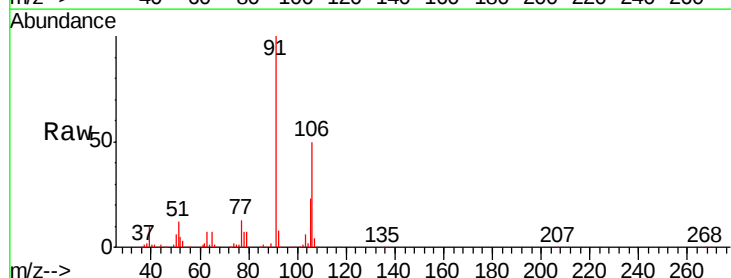
Acq: 28 Nov 2018 12:51

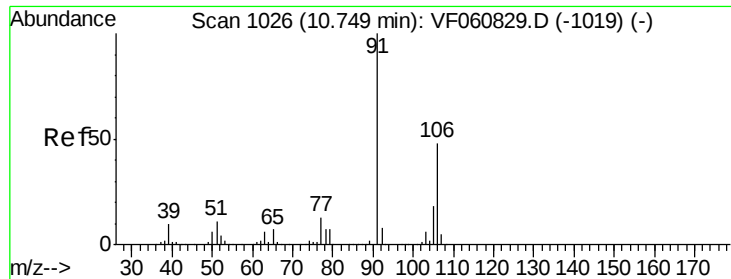
Tgt Ion: 106 Resp: 190003

Ion Ratio Lower Upper

106 100

91 198.1 166.7 250.1





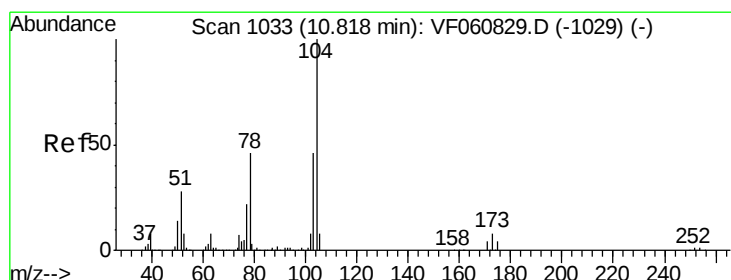
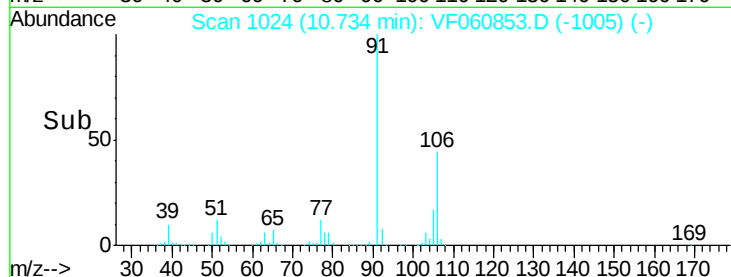
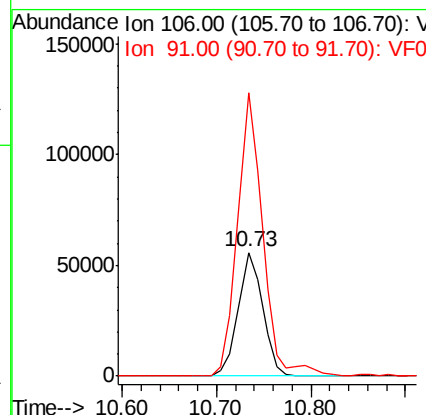
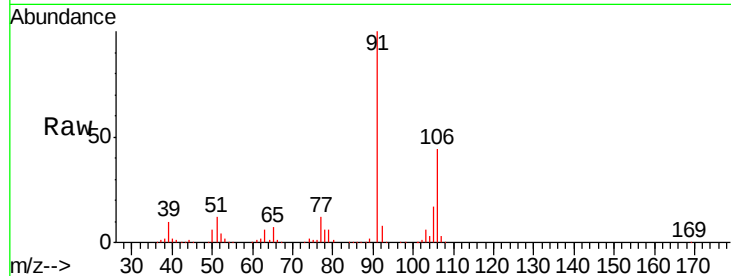
#69
o-Xylene
Concen: 21.55 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion:106 Resp: 102146
Ion Ratio Lower Upper
106 100
91 228.6 104.8 314.6

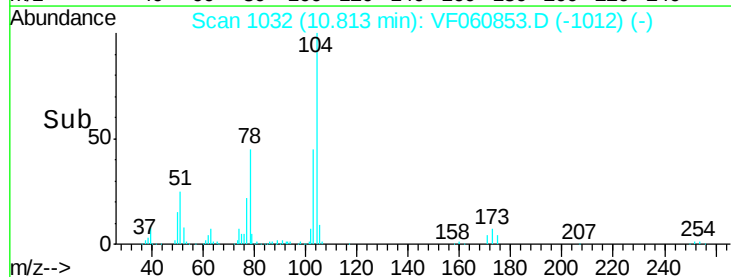
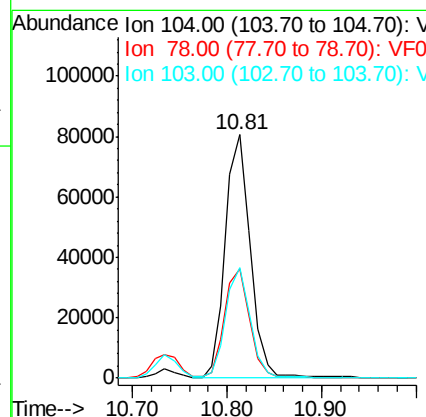
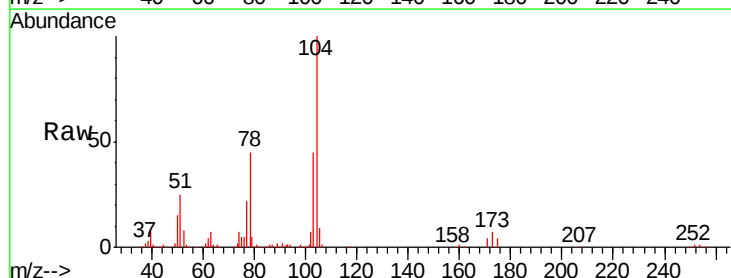
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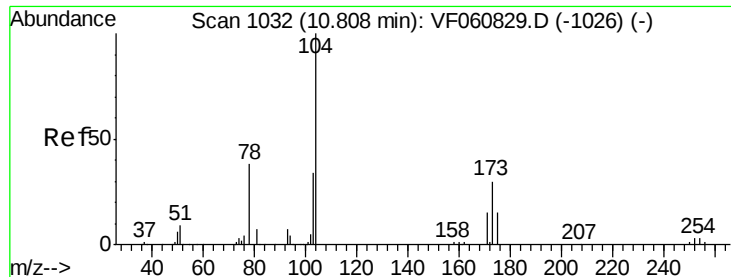
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#70
Styrene
Concen: 22.29 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion:104 Resp: 146410
Ion Ratio Lower Upper
104 100
78 44.6 37.3 55.9
103 45.1 36.8 55.2





#71

Bromoform

Concen: 20.78 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

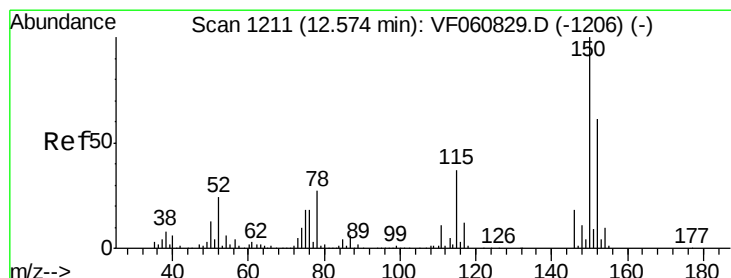
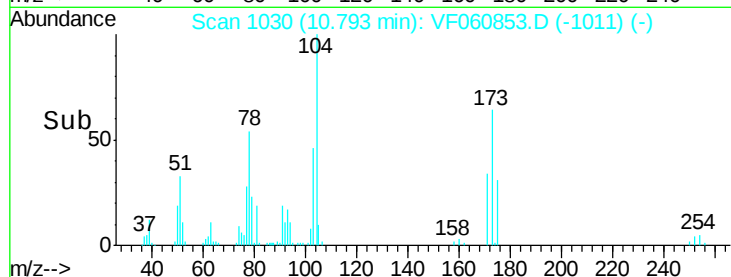
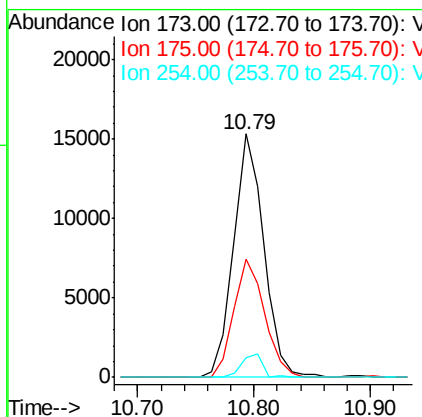
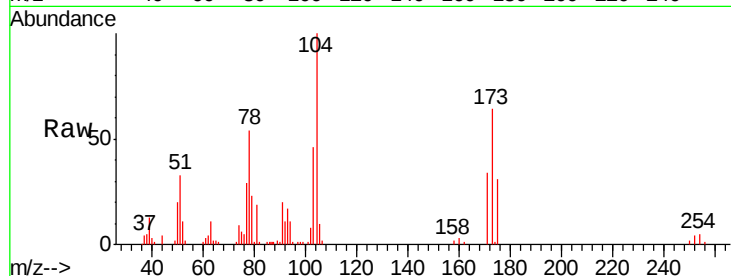
ClientSampleId :

VF1128SBDS01

Tgt Ion:	173	Resp:	27697
Ion Ratio	Lower	Upper	
173	100		
175	48.5	25.5	76.5
254	8.3	7.5	11.3

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

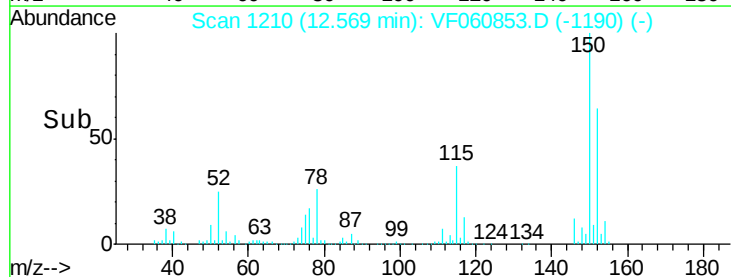
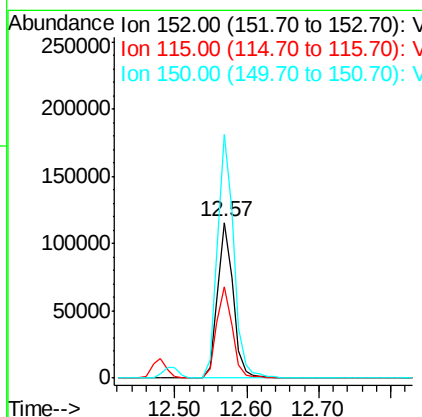
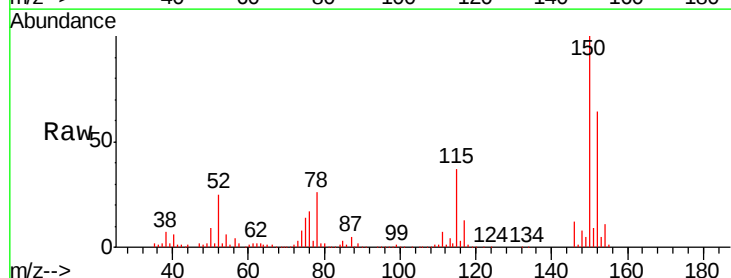
RT: 12.57 min Scan# 1210

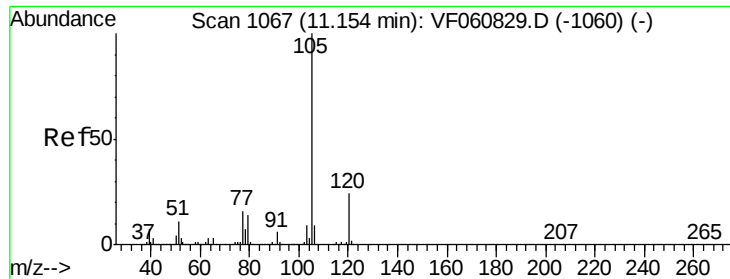
Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion:	152	Resp:	171288
Ion Ratio	Lower	Upper	
152	100		
115	58.5	30.1	90.5
150	156.3	0.0	327.6





#73

Isopropylbenzene

Concen: 23.02 ug/l

RT: 11.15 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 105 Resp: 311645

Ion Ratio Lower Upper

105 100

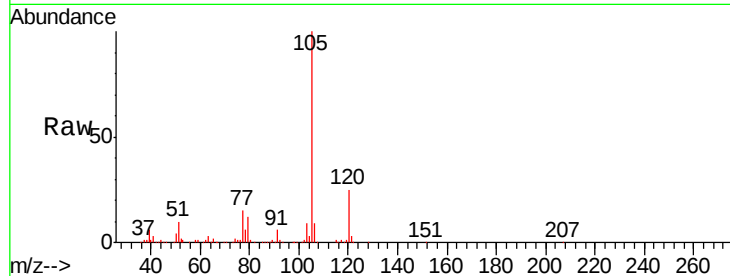
120 24.7 12.2 36.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

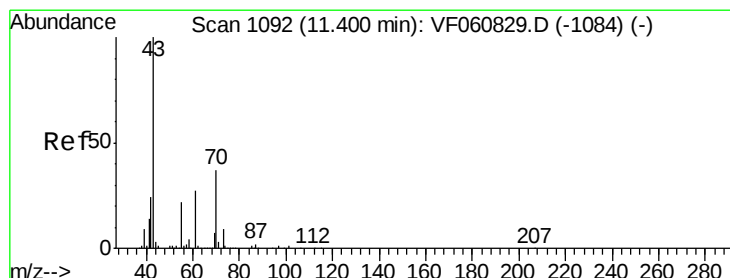
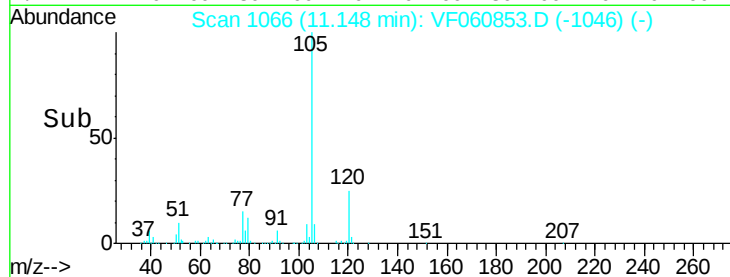
100000

50000

0

11.10 11.20

Time-->



#74

N-ethyl acetate

Concen: 23.82 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion: 43 Resp: 74444

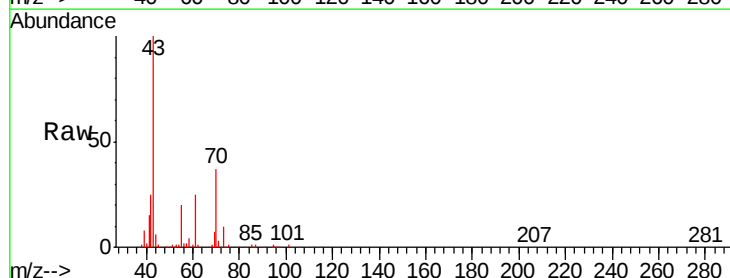
Ion Ratio Lower Upper

43 100

70 37.2 29.6 44.4

55 20.3 17.2 25.8

61 24.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

50000

40000

30000

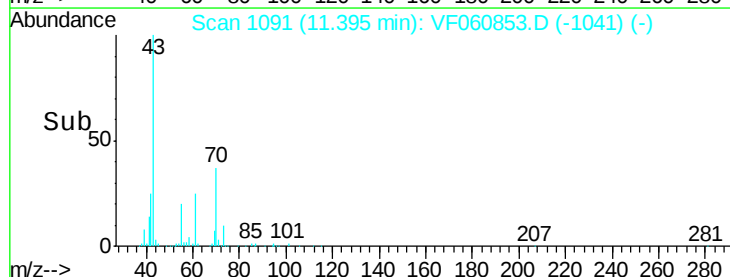
20000

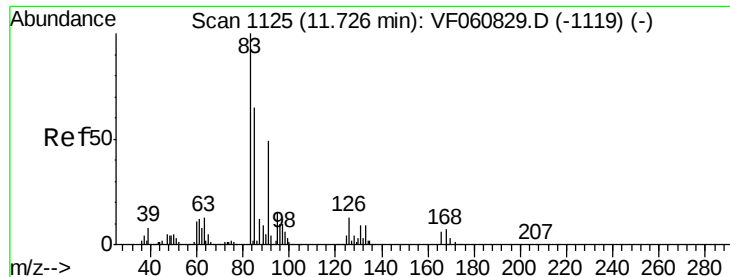
10000

0

11.30 11.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.19 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

Tgt Ion: 83 Resp: 51657

Ion Ratio Lower Upper

83 100

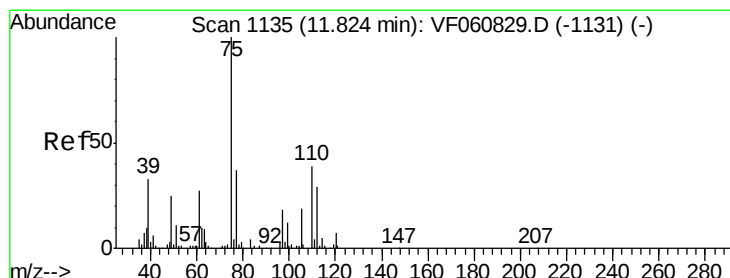
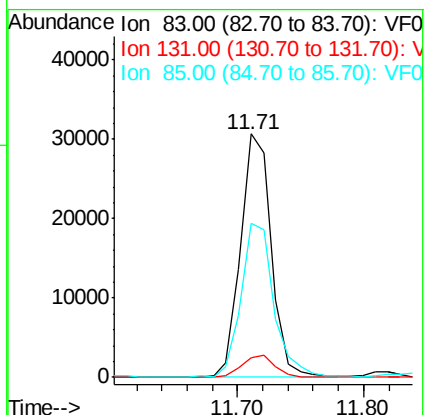
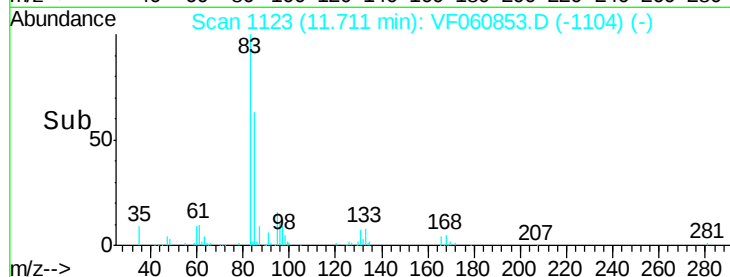
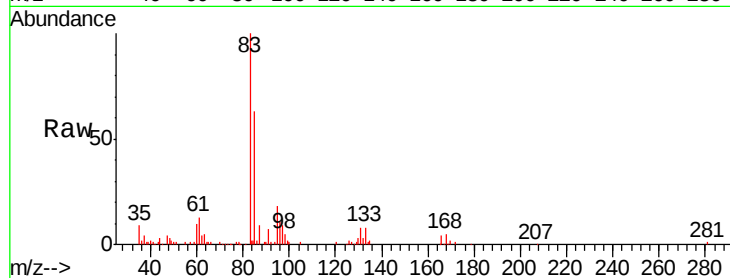
131 8.0 4.7 14.1

85 63.0 32.6 97.8

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#76

1,2,3-Trichloropropane

Concen: 22.51 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060853.D

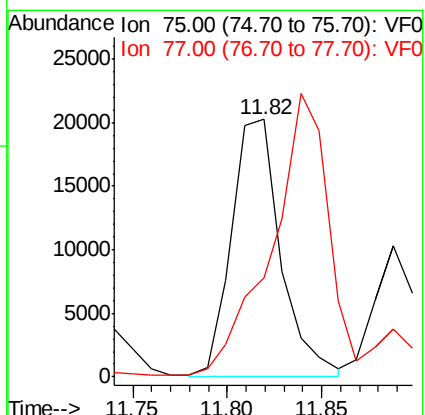
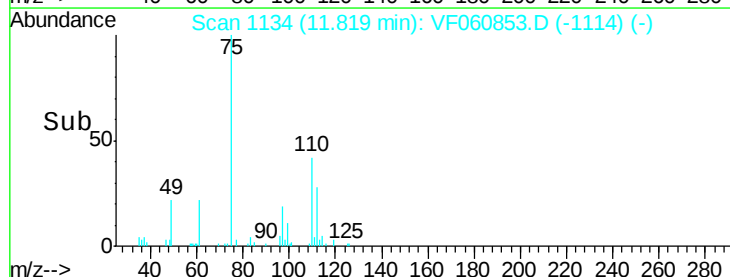
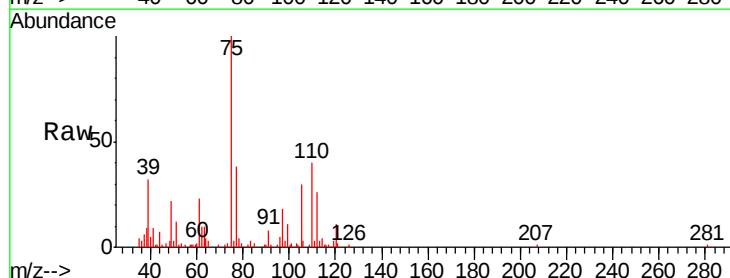
Acq: 28 Nov 2018 12:51

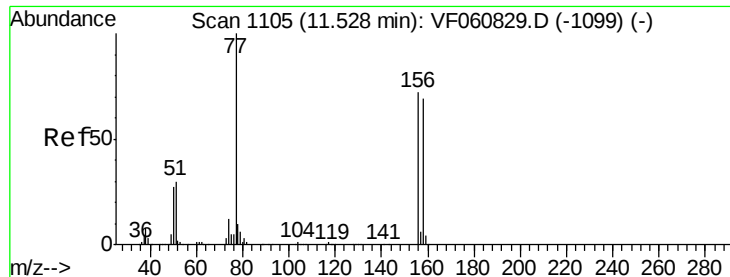
Tgt Ion: 75 Resp: 36446

Ion Ratio Lower Upper

75 100

77 38.2 18.4 55.4





#77

Bromobenzene

Concen: 20.95 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

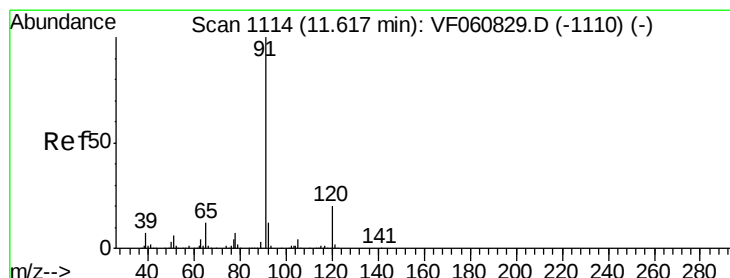
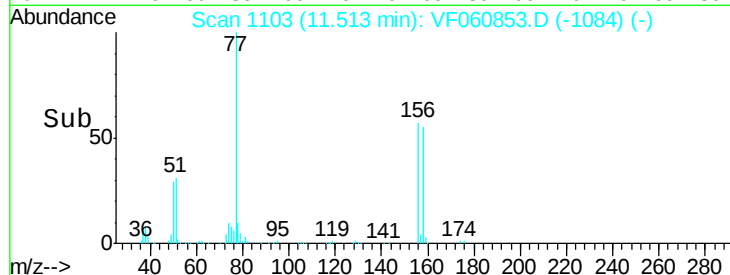
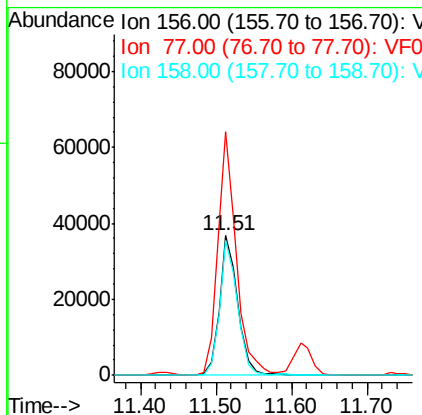
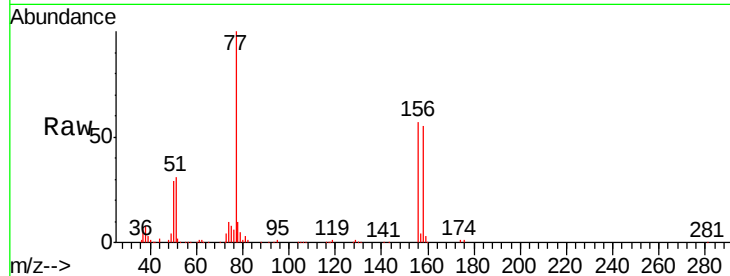
ClientSampleId :

VF1128SBDS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	174.8	69.7	209.0
158	96.5	47.8	143.4

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#78

n-propylbenzene

Concen: 21.96 ug/l

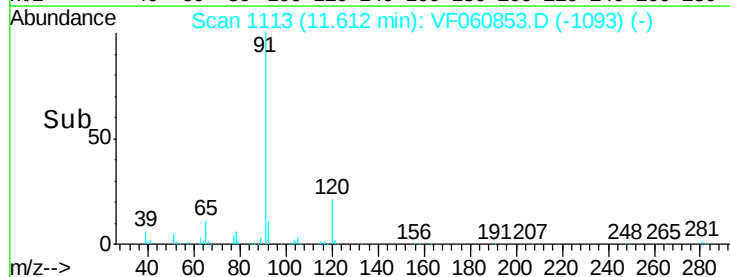
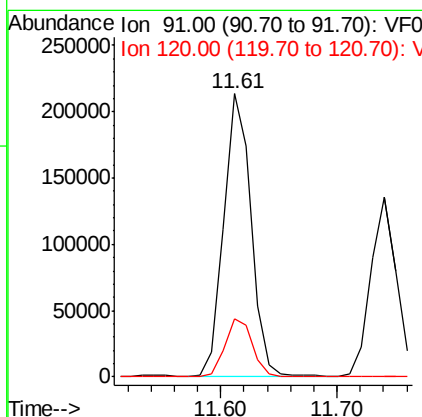
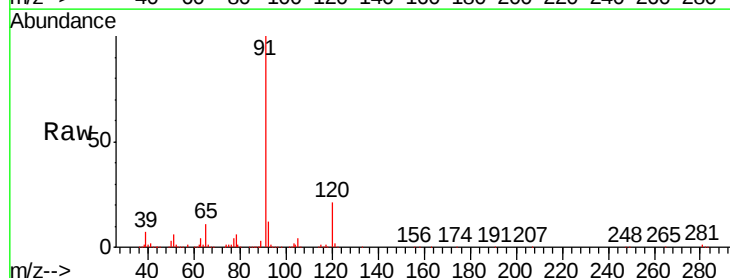
RT: 11.61 min Scan# 1113

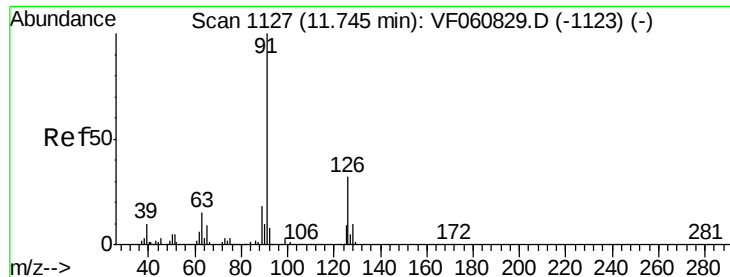
Delta R.T. -0.01 min

Lab File: VF060853.D

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Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.3	30.8





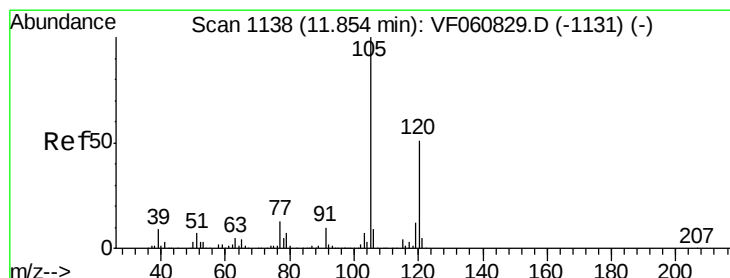
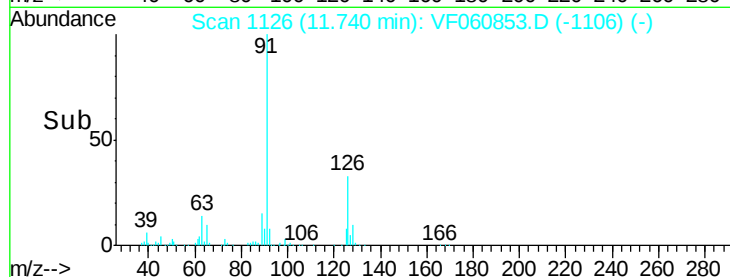
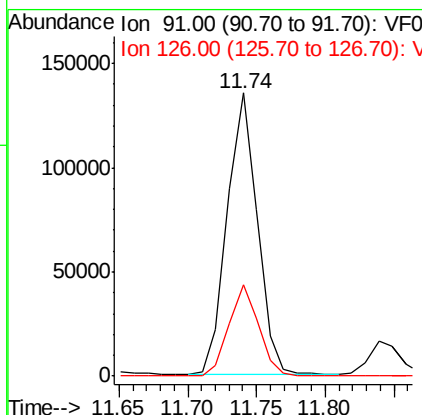
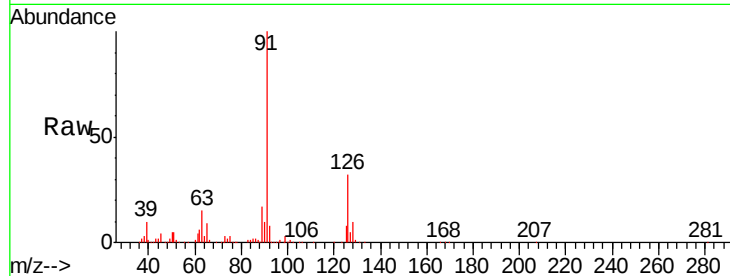
#79
 2-Chlorotoluene
 Concen: 22.81 ug/l
 RT: 11.74 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Tgt Ion: 91 Resp: 207349
 Ion Ratio Lower Upper
 91 100
 126 32.5 15.9 47.6

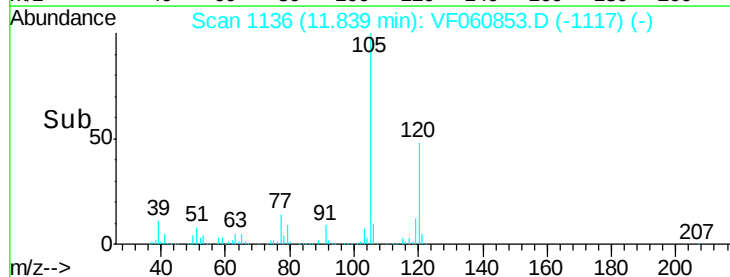
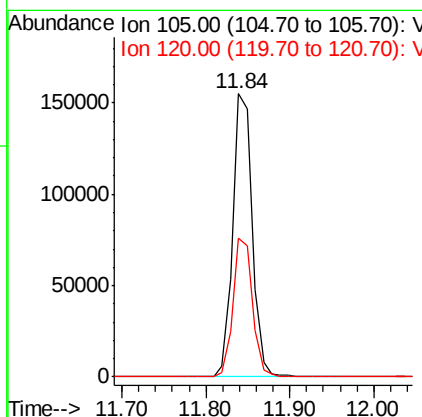
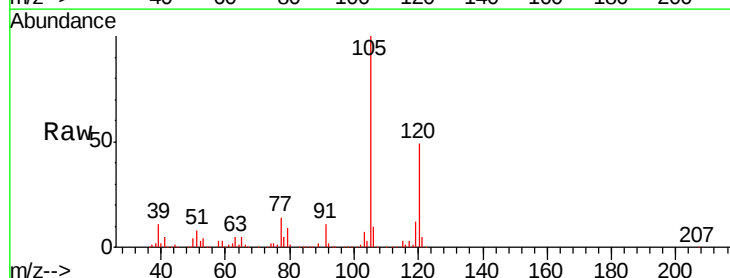
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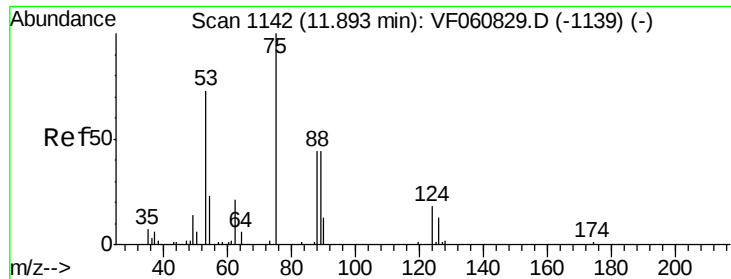
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.80 ug/l
 RT: 11.84 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion: 105 Resp: 250583
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 21.14 ug/l m

RT: 11.89 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

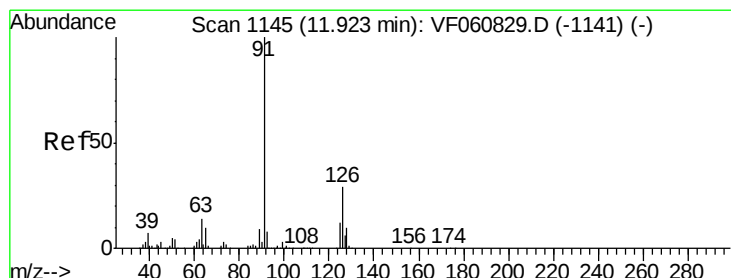
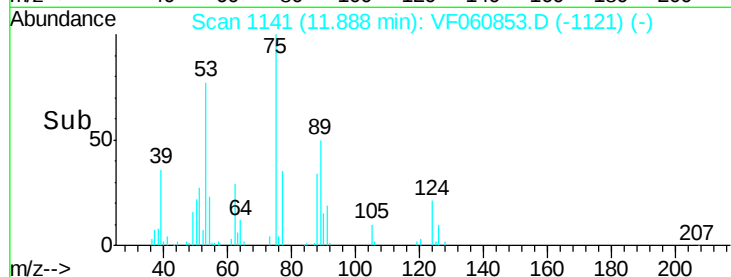
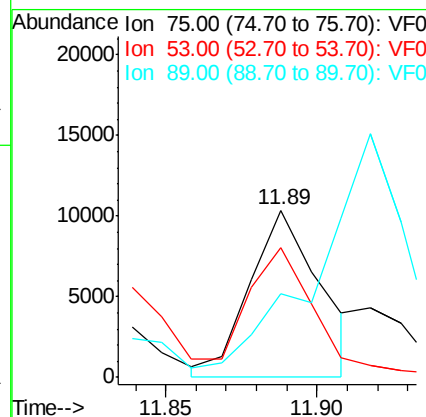
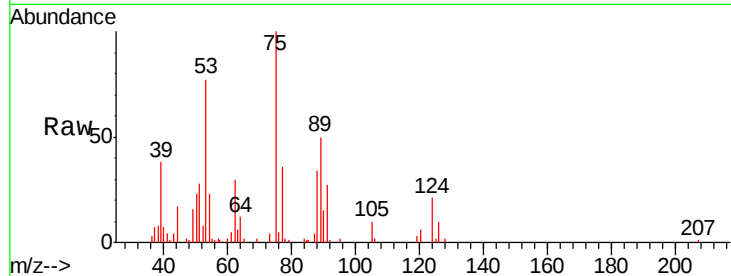
ClientSampleId :

VF1128SBDS01

Tgt Ion:	75	Resp:	16773
Ion	Ratio	Lower	Upper
75	100		
53	77.4	65.9	98.9
89	49.7	38.8	58.2

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#82

4-Chlorotoluene

Concen: 21.48 ug/l

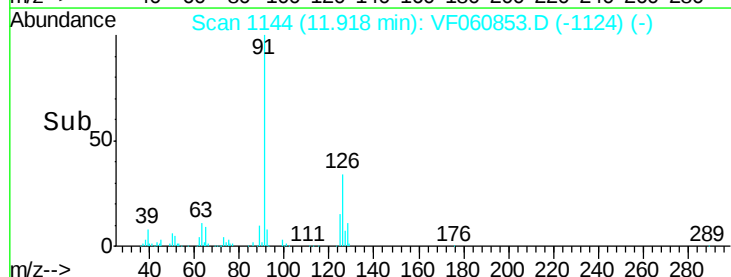
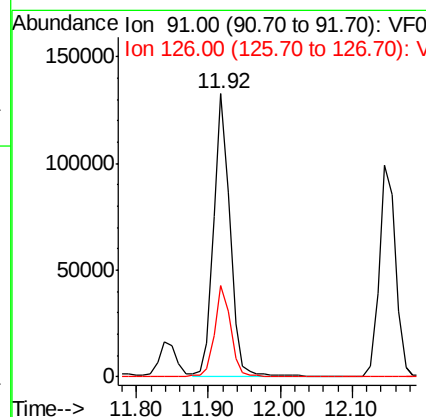
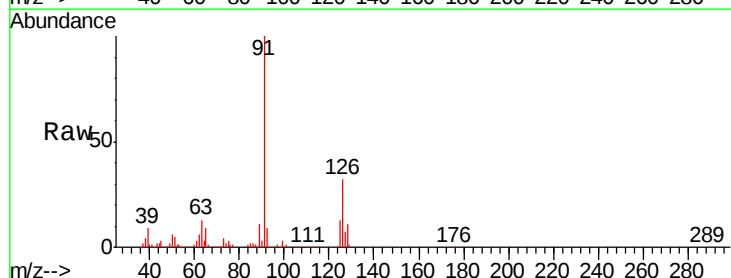
RT: 11.92 min Scan# 1144

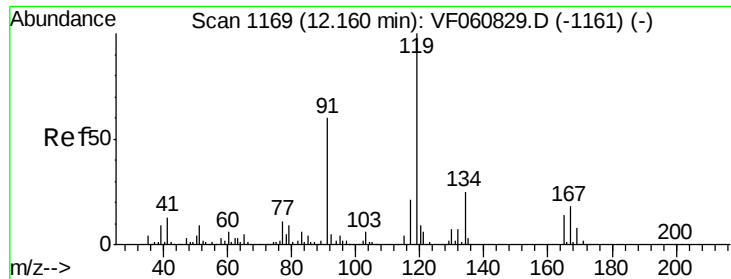
Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion:	91	Resp:	205423
Ion	Ratio	Lower	Upper
91	100		
126	32.4	14.8	44.4





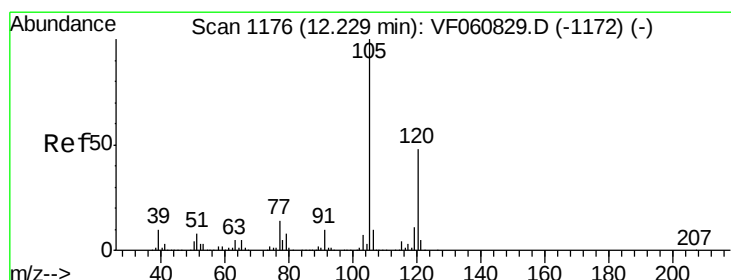
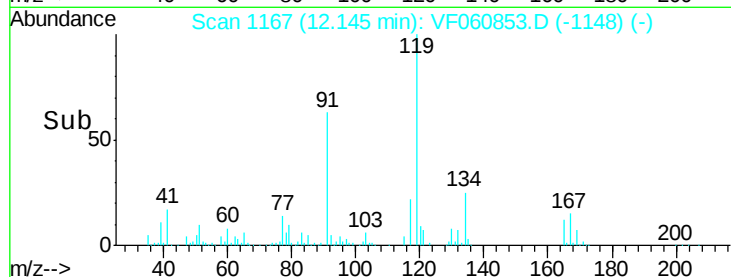
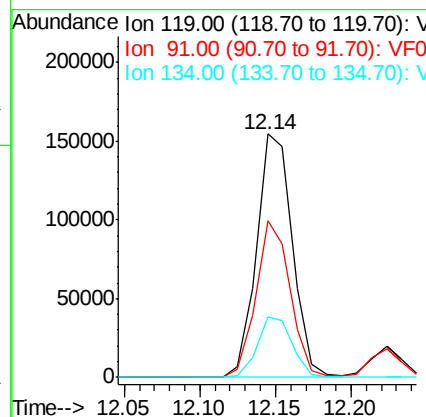
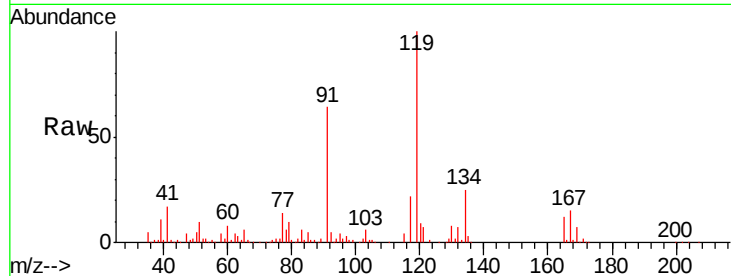
#83
tert-Butylbenzene
Concen: 22.91 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	256397		
91	64.2	30.1	90.3	
134	24.8	12.6	37.8	

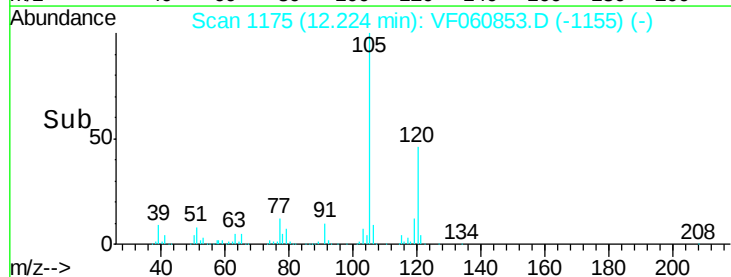
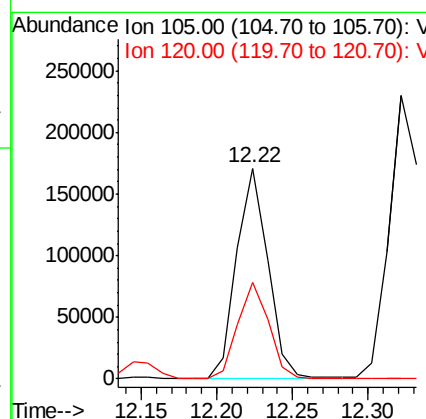
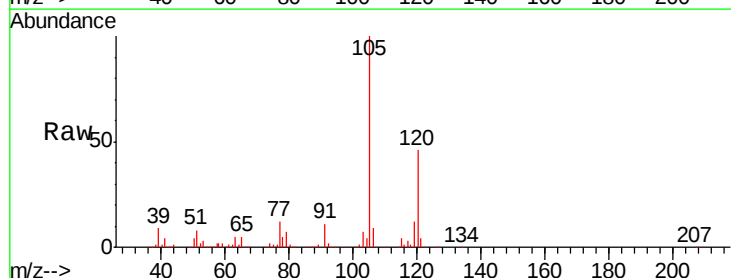
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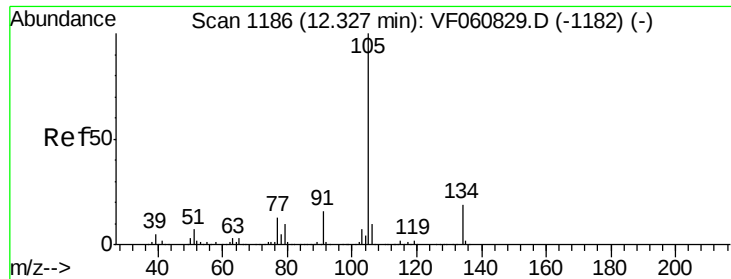
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#84
1,2,4-Trimethylbenzene
Concen: 22.44 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	246139		
120	45.8	23.8	71.5	





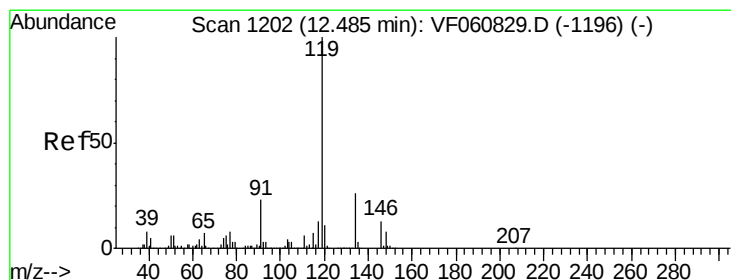
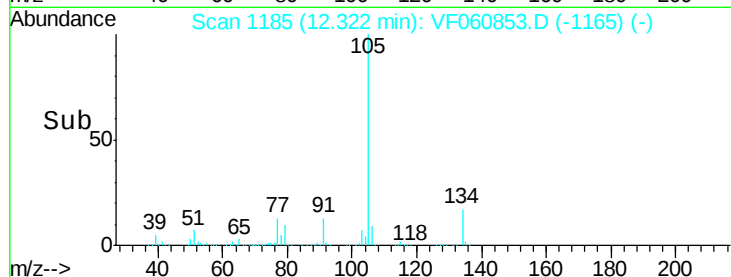
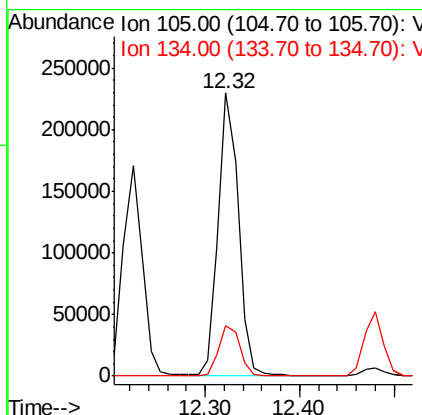
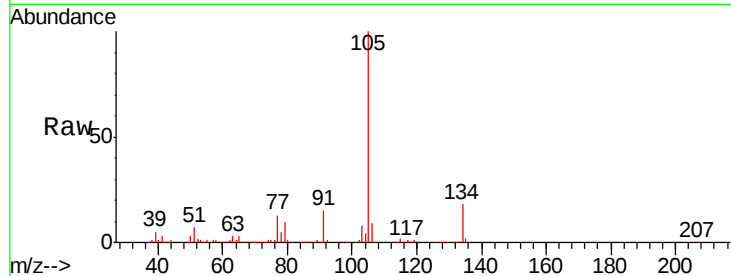
#85
 sec-Butylbenzene
 Concen: 22.35 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.9	9.5	28.5

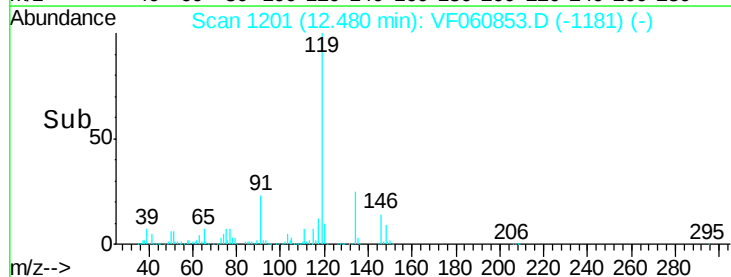
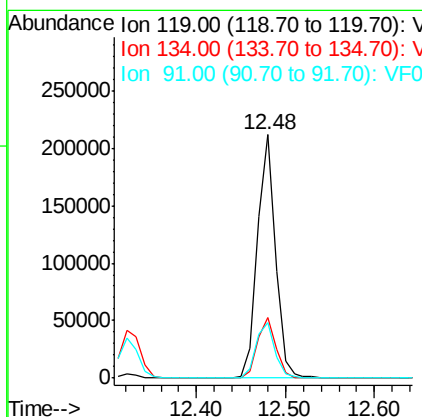
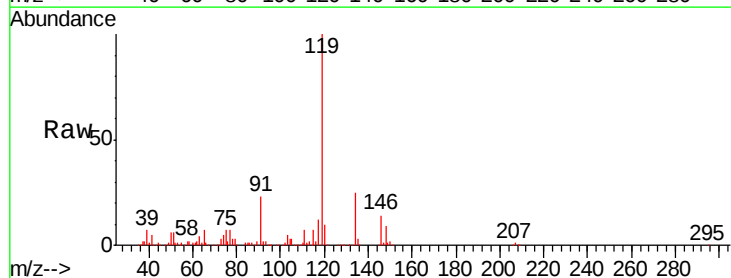
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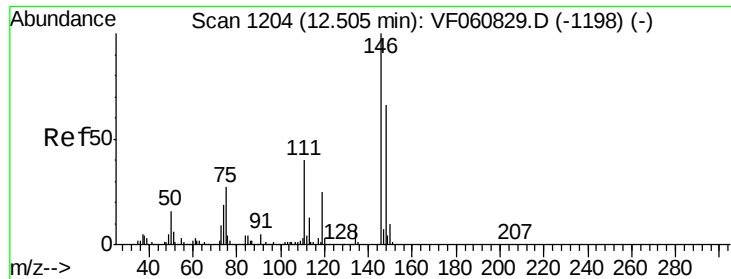
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#86
 p-Isopropyltoluene
 Concen: 22.80 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.9	38.6
91	23.0	11.8	35.3





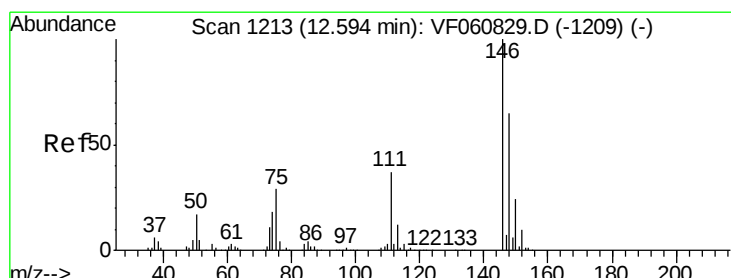
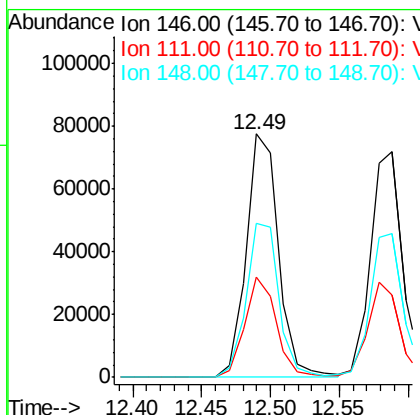
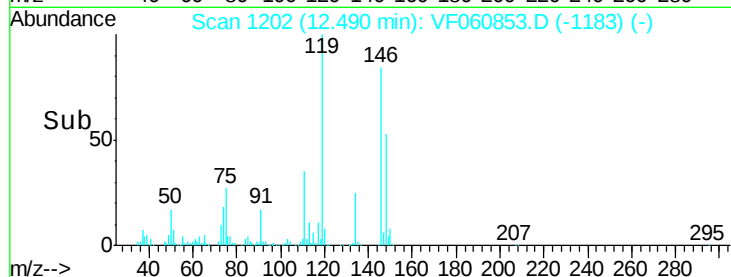
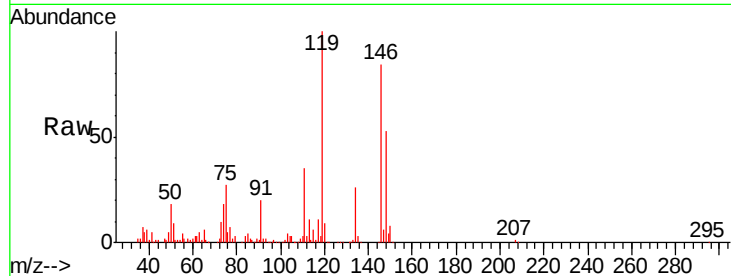
#87
 1,3-Dichlorobenzene
 Concen: 22.56 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	59.9
148	63.3	32.9	98.6

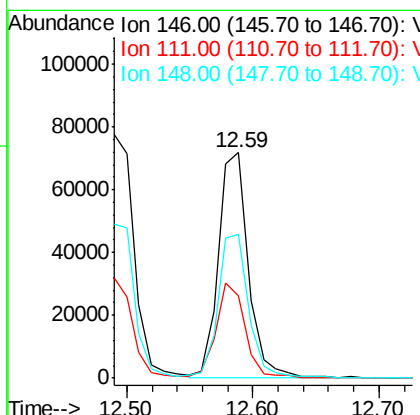
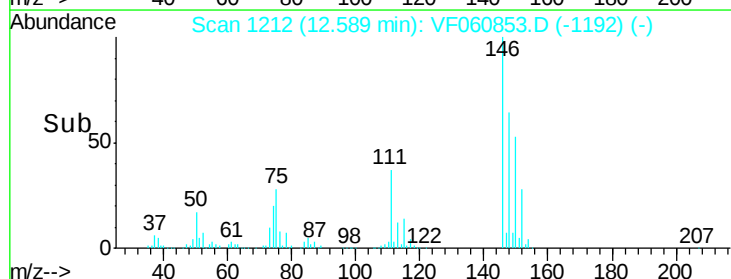
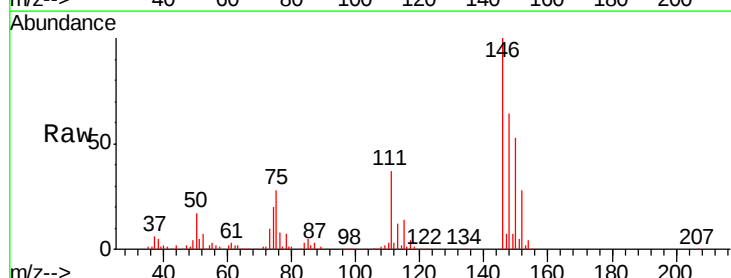
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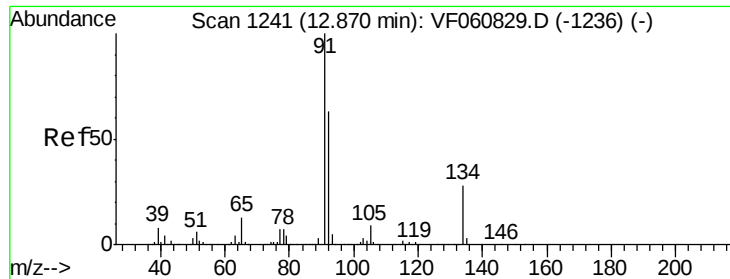
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#88
 1,4-Dichlorobenzene
 Concen: 21.34 ug/l
 RT: 12.59 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.7
148	63.5	32.3	96.9





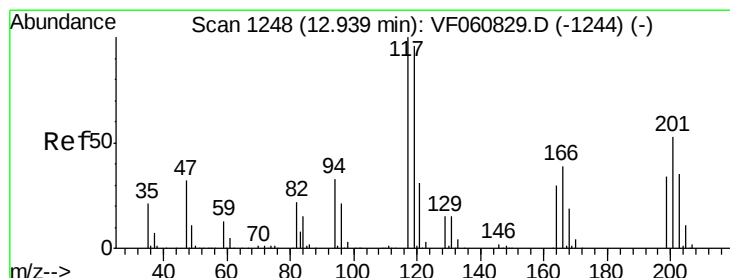
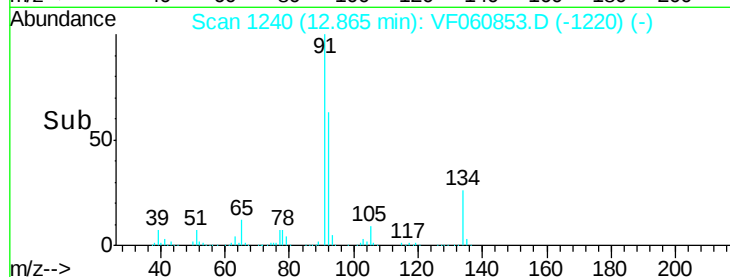
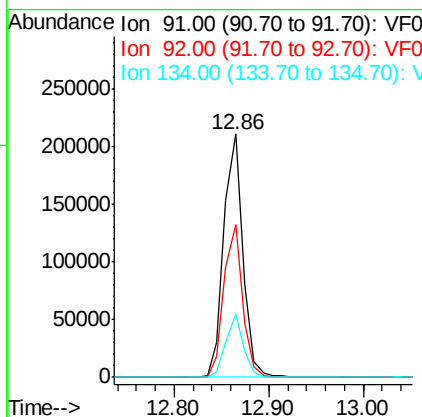
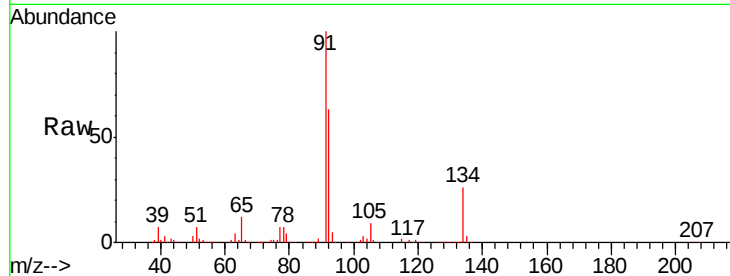
#89
n-Butylbenzene
Concen: 22.70 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.8	31.6	94.7
134	26.2	13.8	41.4

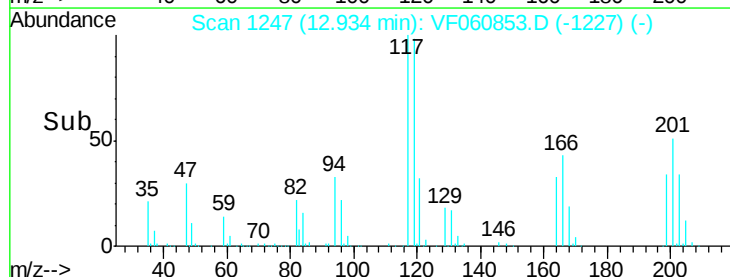
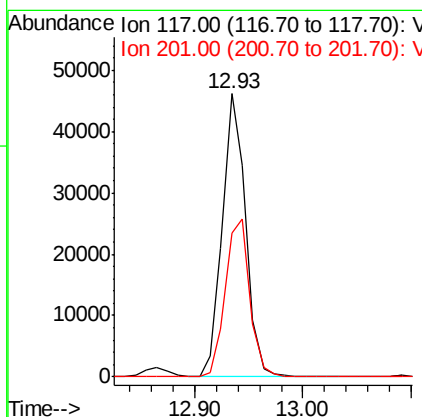
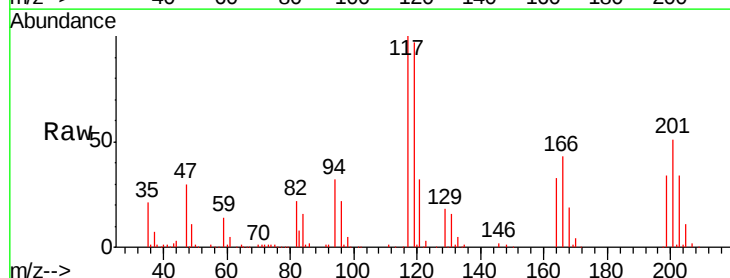
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#90
Hexachloroethane
Concen: 22.34 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	51.8	26.7	80.1





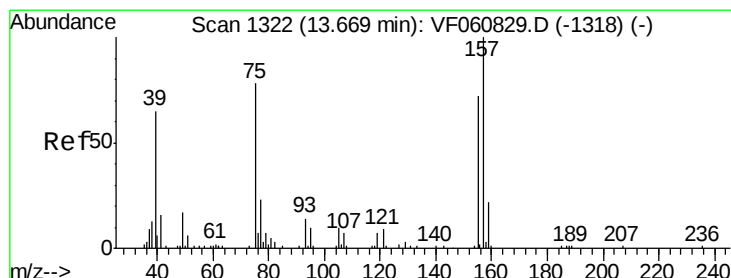
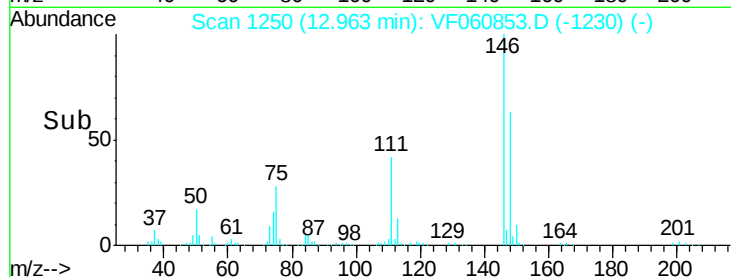
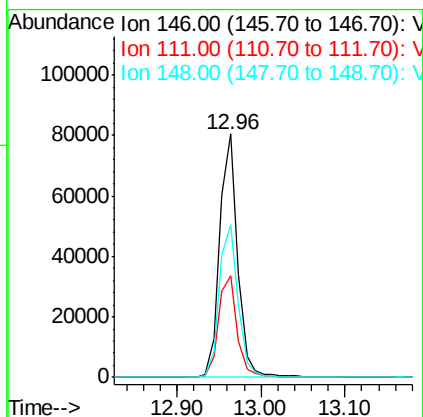
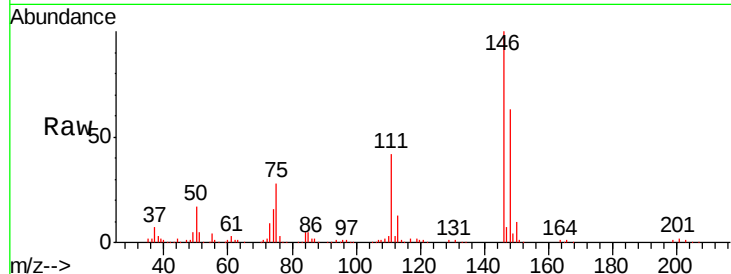
#91
 1,2-Dichlorobenzene
 Concen: 22.37 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.2	63.6
148	63.0	32.5	97.5

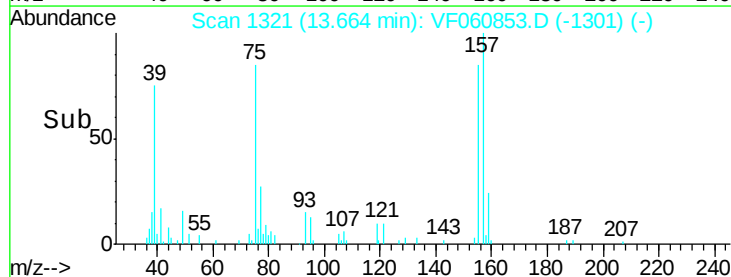
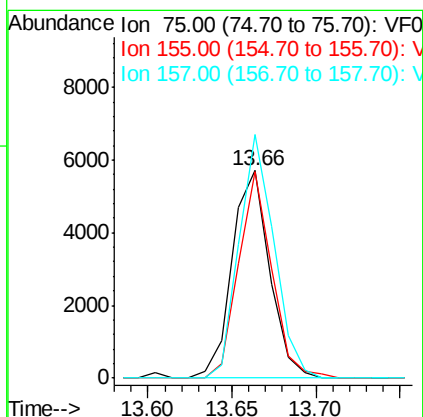
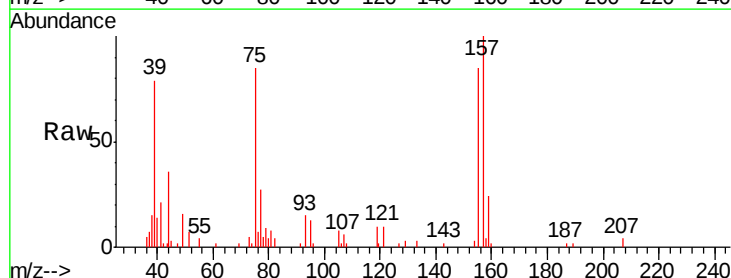
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.52 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	45.6	136.9
157	117.3	63.8	191.5





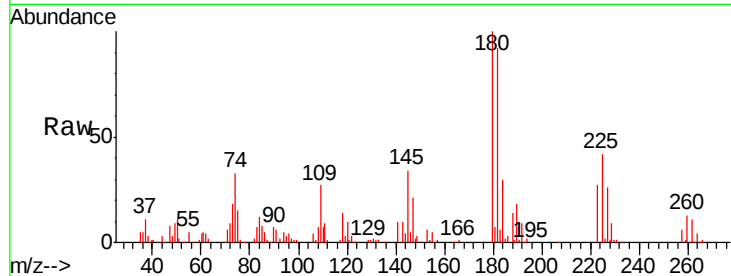
#93
 1,2,4-Trichlorobenzene
 Concen: 22.01 ug/l
 RT: 14.22 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

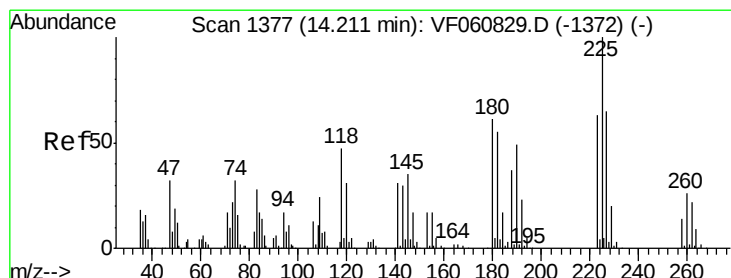
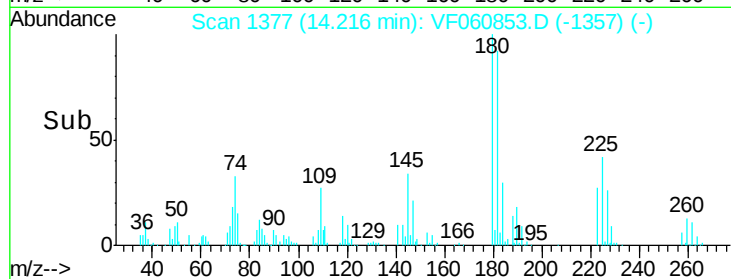
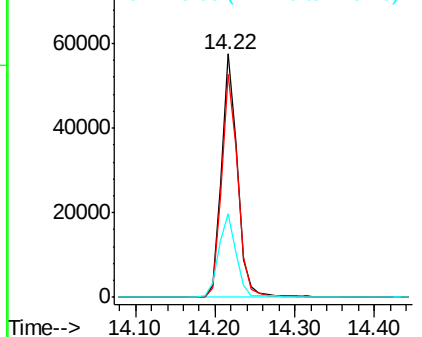
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	82207		
182	91.6	48.5	145.5	
145	34.3	18.1	54.3	

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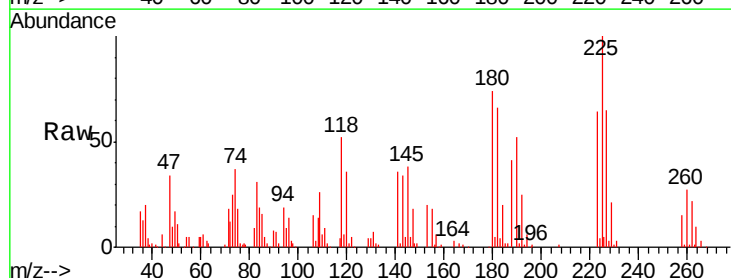


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

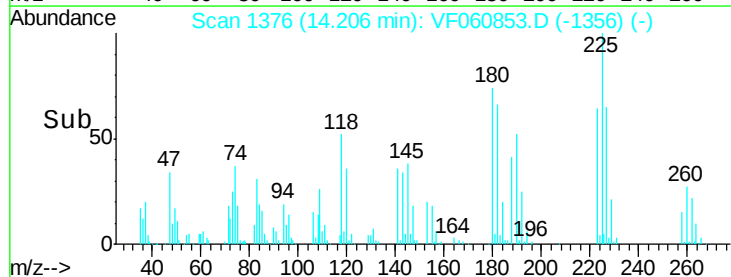
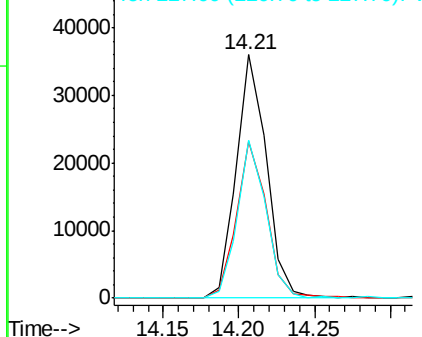


#94
 Hexachlorobutadiene
 Concen: 20.12 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50085		
223	64.3	31.4	94.3	
227	64.6	32.5	97.5	



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





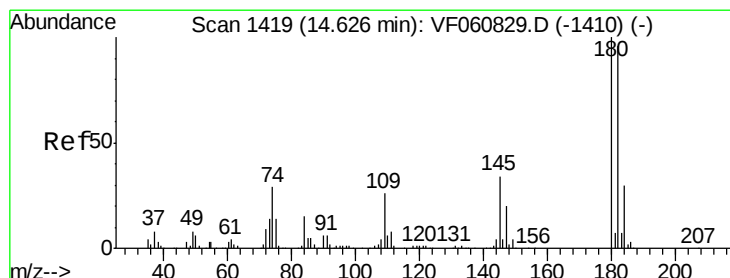
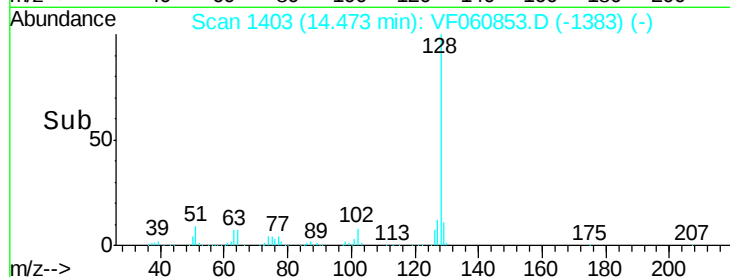
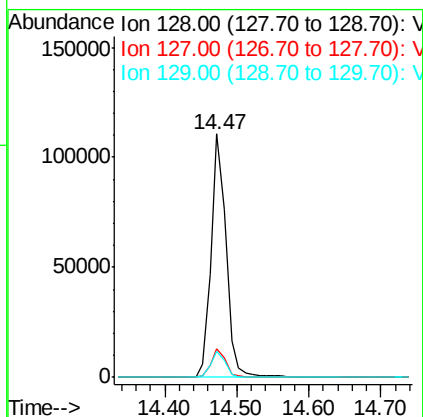
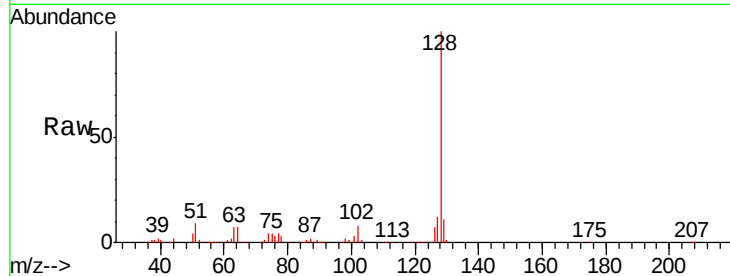
#95
Naphthalene
Concen: 19.91 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	159587		
127	11.8	9.9	14.9	
129	10.9	9.1	13.7	

Manual Integrations
APPROVED

apatel
11/29/2018 2:54:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.24 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	73662		
182	96.3	47.9	143.8	
145	36.4	17.2	51.5	

