

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060146.D
 Acq On : 28 Aug 2018 13:33
 Operator : VA/AP
 Sample : VF0828SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Manual Integrations
 APPROVED

apatel
 8/29/2018 11:03:29 AM

Quant Time: Aug 28 15:08:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	150902	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	216934	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	240195	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	150657	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	120867	58.52	ug/l	-0.02
Spiked Amount			Recovery	=	117.04%	
35) Dibromofluoromethane	4.28	113	106879	62.74	ug/l	-0.02
Spiked Amount			Recovery	=	125.48%	
50) Toluene-d8	7.70	98	256314	52.98	ug/l	-0.02
Spiked Amount			Recovery	=	105.96%	
62) 4-Bromofluorobenzene	11.50	95	152629	59.64	ug/l	-0.01
Spiked Amount			Recovery	=	119.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	52185	26.27	ug/l	94
3) Chloromethane	1.07	50	34299	24.73	ug/l	92
4) Vinyl Chloride	1.13	62	27220	22.07	ug/l	98
5) Bromomethane	1.31	94	19759	21.08	ug/l	89
6) Chloroethane	1.39	64	12468	25.64	ug/l	98
7) Trichlorofluoromethane	1.48	101	77904	31.41	ug/l	96
8) Diethyl Ether	1.70	74	8613	19.42	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.85	101	33336	25.60	ug/l	97
10) Methyl Iodide	1.92	142	27448	15.94	ug/l	86
11) Tert butyl alcohol	2.67	59	12458	113.39	ug/l #	80
12) 1,1-Dichloroethene	1.83	96	22614	23.57	ug/l #	77
13) Acrolein	2.09	56	2626m	61.33	ug/l	
14) Allyl chloride	2.18	41	36774	21.59	ug/l	94
15) Acrylonitrile	3.07	53	24041	110.88	ug/l	89
16) Acetone	2.34	43	67541	124.43	ug/l	95
17) Carbon Disulfide	1.83	76	68629	22.85	ug/l	98
18) Methyl Acetate	2.45	43	19983	19.00	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	76450	24.87	ug/l	97
20) Methylene Chloride	2.28	84	30834	26.43	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	22242	20.72	ug/l	93
22) Diisopropyl ether	2.92	45	88118	23.10	ug/l	96
23) Vinyl Acetate	3.32	43	221539	109.62	ug/l	97
24) 1,1-Dichloroethane	2.99	63	70889	30.08	ug/l	97
25) 2-Butanone	4.49	43	74335	105.43	ug/l	98
26) 2,2-Dichloropropane	3.76	77	70844	29.06	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	35731	23.49	ug/l	93
28) Bromochloromethane	3.88	49	19388	19.49	ug/l	82
29) Tetrahydrofuran	4.23	42	25564	96.03	ug/l	99
30) Chloroform	4.02	83	79671	24.08	ug/l	97
31) Cyclohexane	3.86	56	39486	21.99	ug/l #	92
32) 1,1,1-Trichloroethane	4.27	97	81171	28.65	ug/l	96
36) 1,1-Dichloropropene	4.45	75	54032	26.50	ug/l	95
37) Ethyl Acetate	4.27	43	24393	20.01	ug/l #	61
38) Carbon Tetrachloride	4.16	117	68518	29.03	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	44762	23.42	ug/l #	83
40) Benzene	4.80	78	105728	23.74	ug/l	98
41) Methacrylonitrile	4.91	41	11888	19.28	ug/l #	86
42) 1,2-Dichloroethane	5.11	62	60496	25.33	ug/l	99
43) Isopropyl Acetate	7.10	43	30069	19.60	ug/l #	96
44) Trichloroethene	5.67	130	34833	23.66	ug/l	99
45) 1,2-Dichloropropane	6.39	63	30186	23.96	ug/l	93
46) Dibromomethane	6.24	93	24107	24.46	ug/l	89
47) Bromodichloromethane	6.54	83	62763	26.36	ug/l #	97
48) Methyl methacrylate	6.86	41	18931	18.64	ug/l	93
49) 1,4-Dioxane	6.85	88	3903	400.40	ug/l #	83
51) 4-Methyl-2-Pentanone	8.39	43	144642	109.15	ug/l	98
52) Toluene	7.77	92	79306	25.25	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	56656	26.24	ug/l	94
54) cis-1,3-Dichloropropene	7.44	75	54366	22.56	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	25914	21.57	ug/l #	89
56) Ethyl methacrylate	8.75	69	31279	21.51	ug/l	99
57) 1,3-Dichloropropane	8.99	76	48538	22.98	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	16639	144.12	ug/l	100
59) 2-Hexanone	9.62	43	127418	118.80	ug/l	98
60) Dibromochloromethane	8.85	129	43738	24.66	ug/l	96
61) 1,2-Dibromoethane	9.14	107	35556	25.20	ug/l	94
64) Tetrachloroethene	8.30	164	38544	23.82	ug/l	98
65) Chlorobenzene	9.94	112	111667	24.62	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	40956	23.81	ug/l	99
67) Ethyl Benzene	10.04	91	201088	25.69	ug/l	100
68) m/p-Xylenes	10.26	106	145013	52.15	ug/l	97
69) o-Xylene	10.82	106	77150	25.16	ug/l	98
70) Styrene	10.89	104	121111	25.75	ug/l	95
71) Bromoform	10.88	173	27260	22.71	ug/l	98
73) Isopropylbenzene	11.22	105	233035	25.70	ug/l	95
74) N-amyl acetate	11.46	43	57476	20.39	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	40268	20.33	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	31975	20.82	ug/l	98
77) Bromobenzene	11.59	156	61202	24.82	ug/l	94
78) n-propylbenzene	11.68	91	292481	26.13	ug/l	99
79) 2-Chlorotoluene	11.81	91	166247	25.26	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	202213	25.59	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	13344m	18.99	ug/l	
82) 4-Chlorotoluene	11.99	91	177916	24.90	ug/l	98
83) tert-Butylbenzene	12.21	119	201538	26.15	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	222208	26.45	ug/l	96
85) sec-Butylbenzene	12.38	105	270405	25.21	ug/l	97
86) p-Isopropyltoluene	12.54	119	224852	25.26	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	112084	24.58	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	110746	24.44	ug/l	98
89) n-Butylbenzene	12.91	91	223653	25.87	ug/l	97
90) Hexachloroethane	12.99	117	50491	25.25	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	109599	24.99	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9192	22.71	ug/l	82

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	73322	22.70	ug/l	98
94) Hexachlorobutadiene	14.26	225	54286	27.01	ug/l	98
95) Naphthalene	14.53	128	91035	17.79	ug/l	97
96) 1,2,3-Trichlorobenzene	14.68	180	69234	22.47	ug/l	98

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

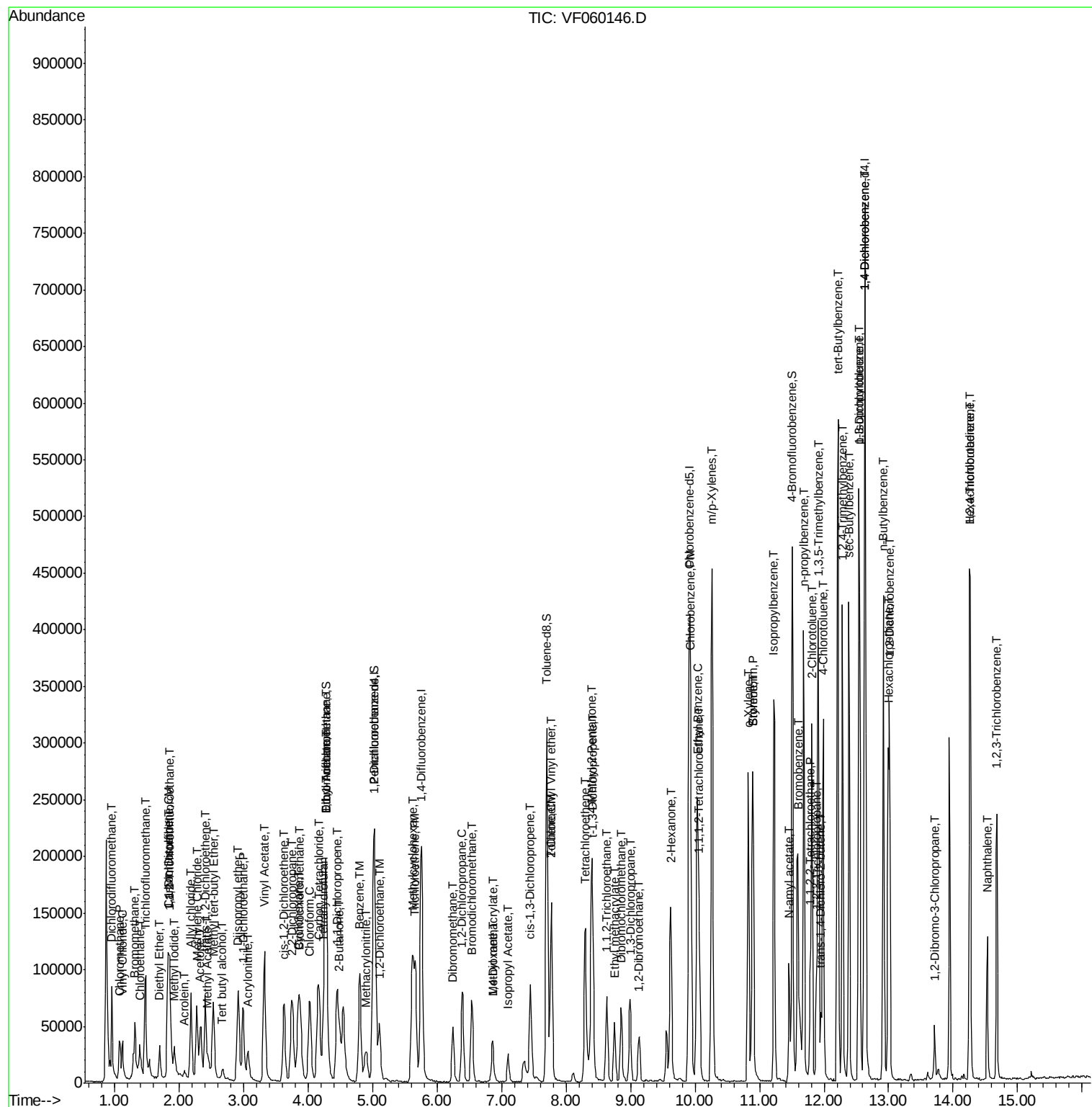
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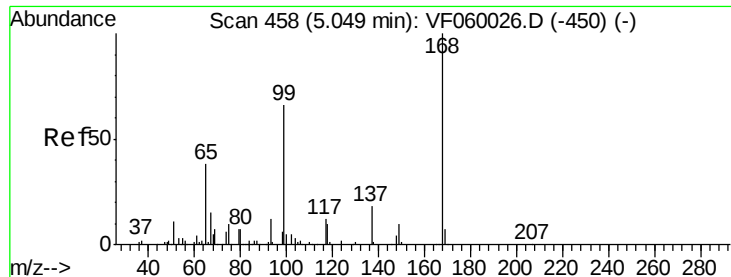
Instrument :
MSVOA_F
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion:168 Resp: 150902

Ion Ratio Lower Upper

168 100

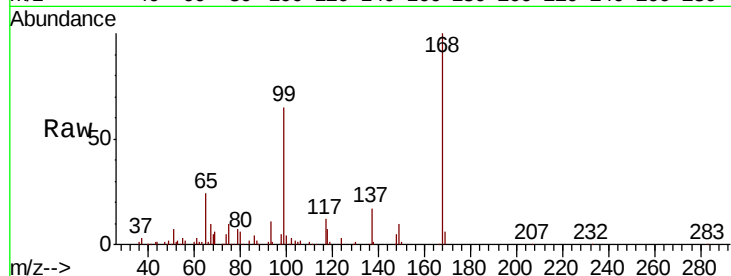
99 65.2 52.6 79.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

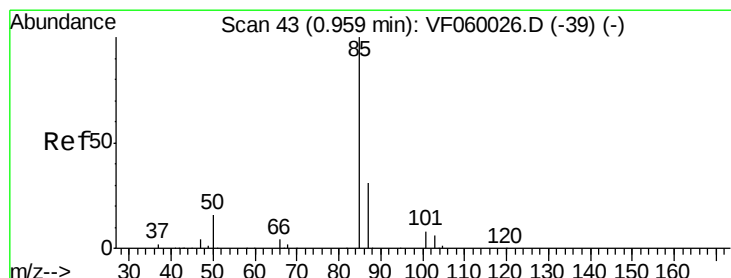
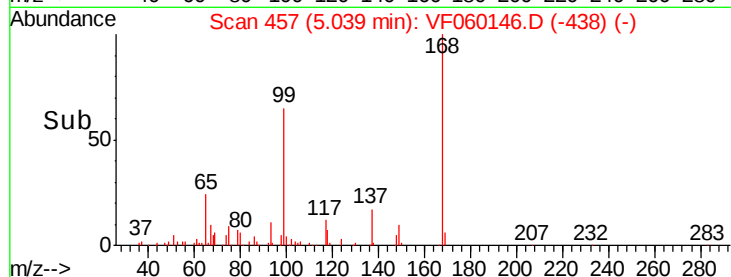
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 26.27 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060146.D

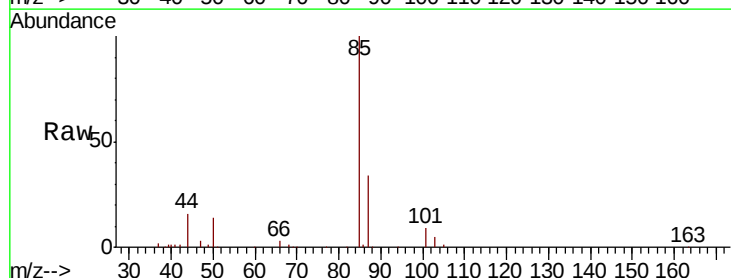
Acq: 28 Aug 2018 13:33

Tgt Ion: 85 Resp: 52185

Ion Ratio Lower Upper

85 100

87 33.6 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

50000

40000

30000

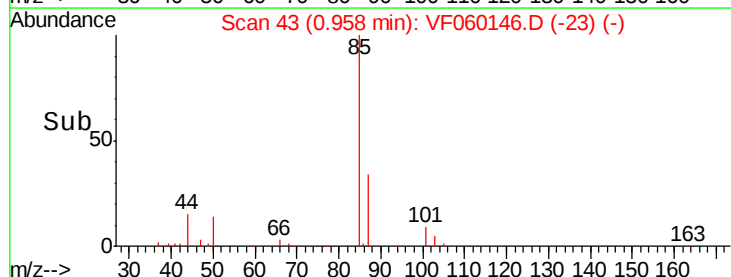
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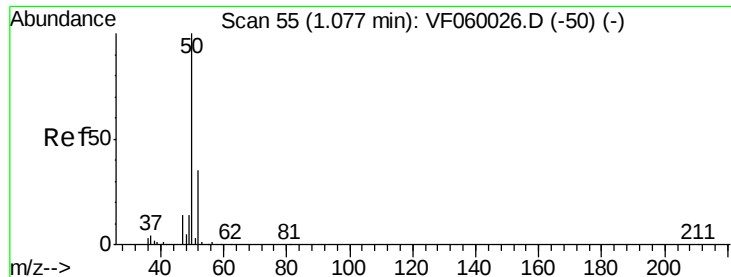
10000

0

0.90 0.95 1.00 1.05

Time-->





#3

Chloromethane

Concen: 24.73 ug/l

RT: 1.07 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 50 Resp: 34299

Ion Ratio Lower Upper

50 100

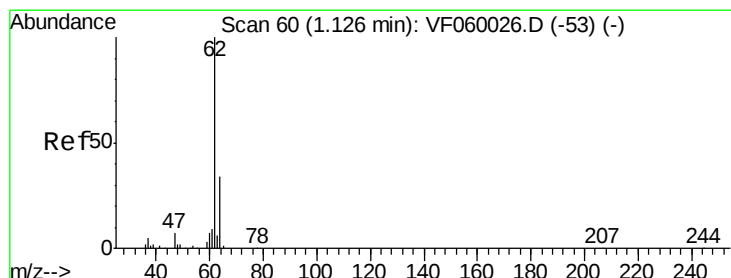
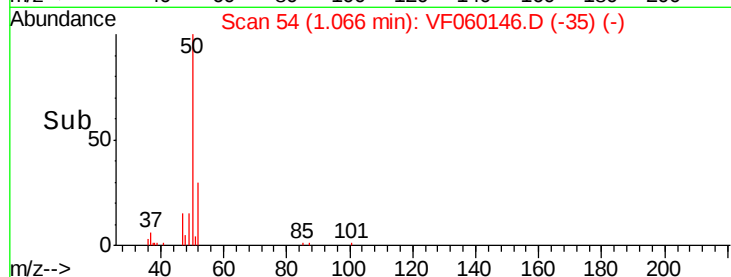
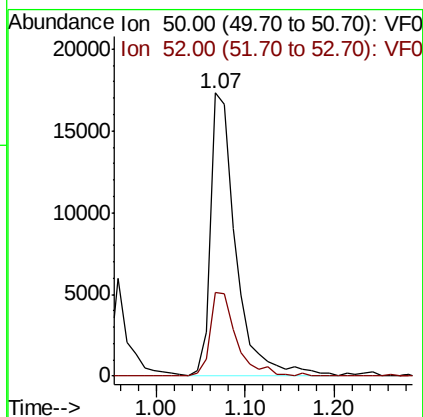
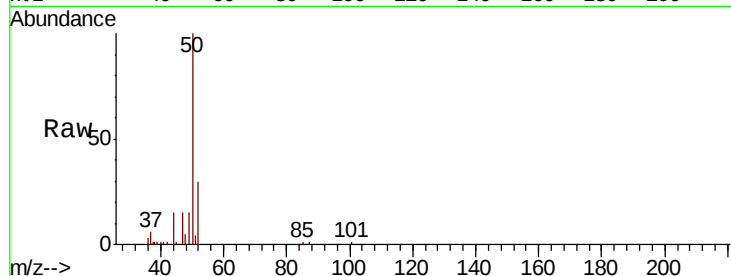
52 29.6 27.6 41.4

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#4

Vinyl Chloride

Concen: 22.07 ug/l

RT: 1.13 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060146.D

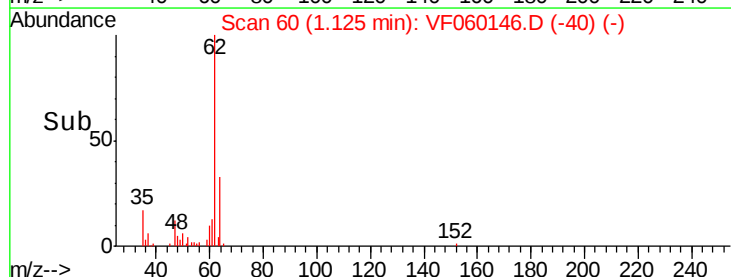
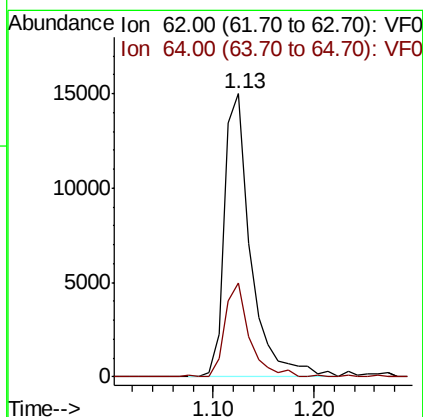
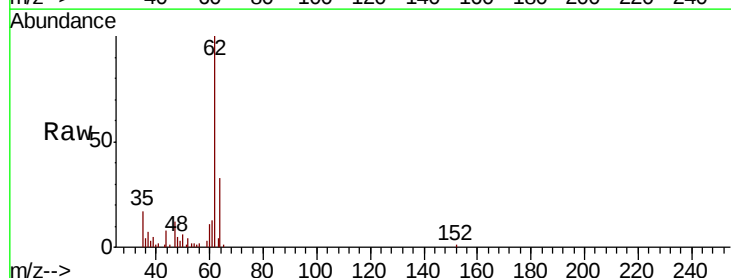
Acq: 28 Aug 2018 13:33

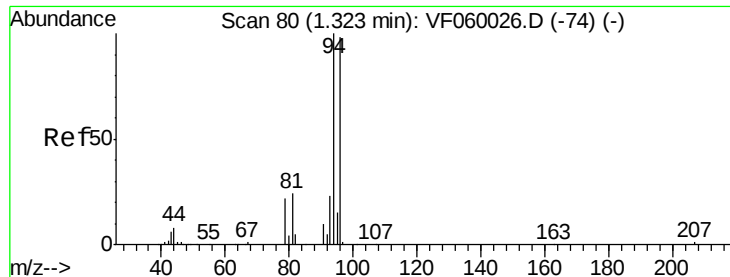
Tgt Ion: 62 Resp: 27220

Ion Ratio Lower Upper

62 100

64 33.1 27.4 41.2





#5

Bromomethane

Concen: 21.08 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 94 Resp: 19759

Ion Ratio Lower Upper

94 100

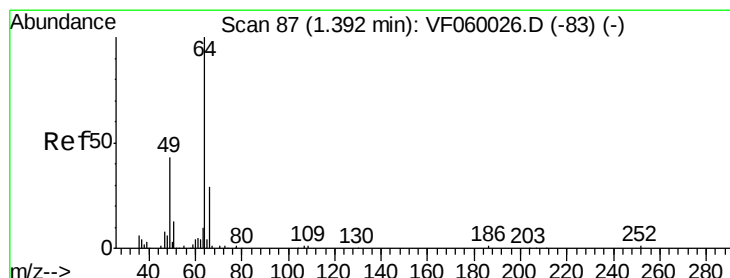
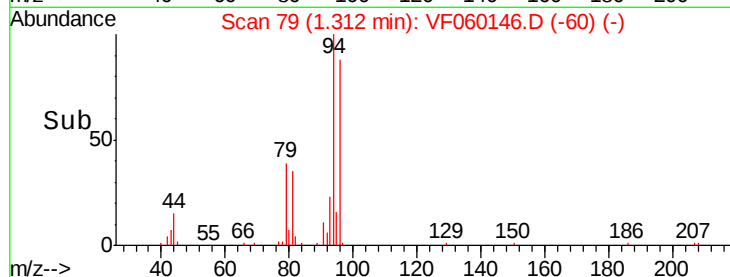
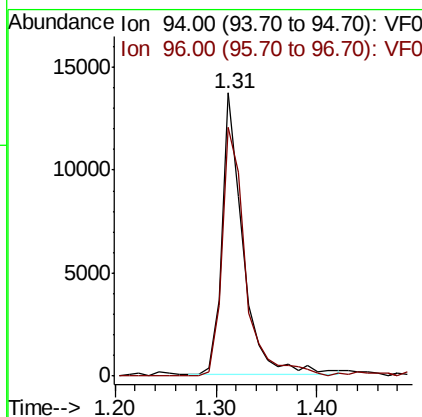
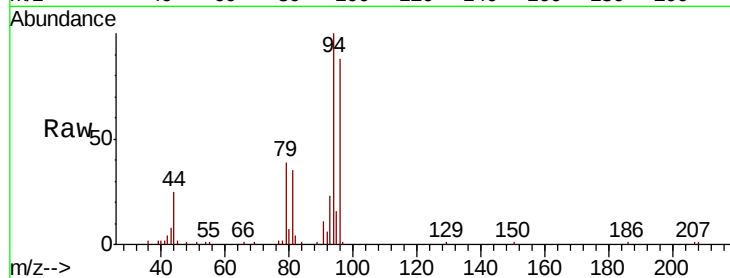
96 87.9 78.6 118.0

Manual Integrations

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#6

Chloroethane

Concen: 25.64 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060146.D

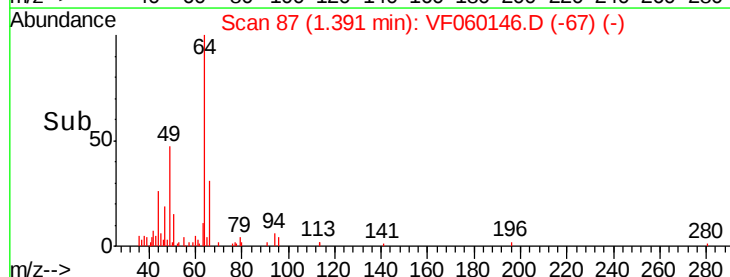
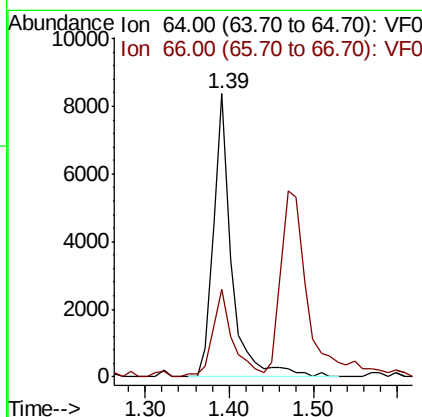
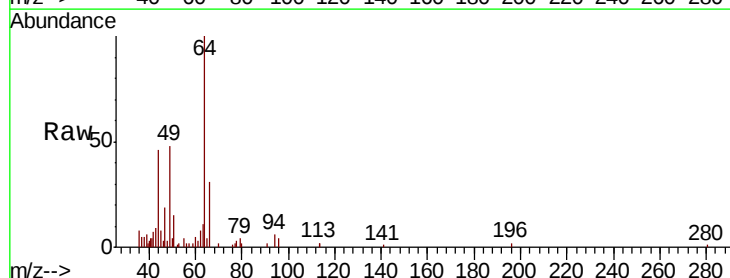
Acq: 28 Aug 2018 13:33

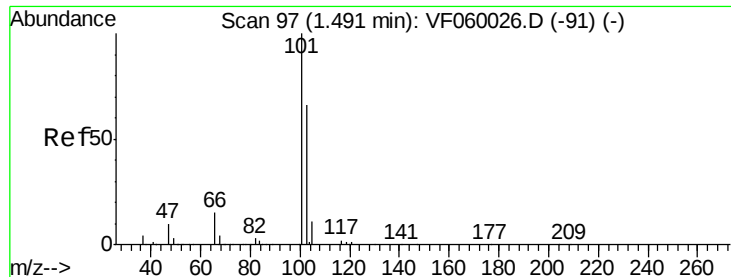
Tgt Ion: 64 Resp: 12468

Ion Ratio Lower Upper

64 100

66 31.1 24.1 36.1





#7

Trichlorofluoromethane

Concen: 31.41 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

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ClientSampleId :

VF0828SBS01

Tot Ion:101 Resp: 77904

Ion Ratio Lower Upper

101 100

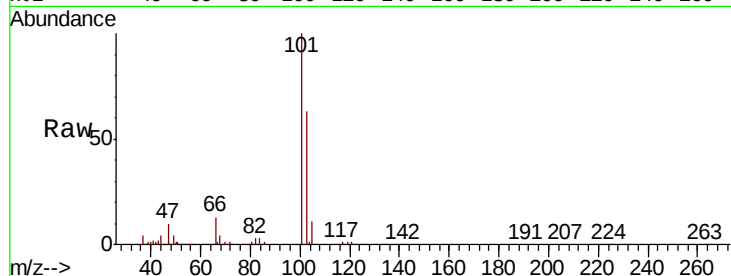
103 62.5 52.5 78.7

Manual Integrations

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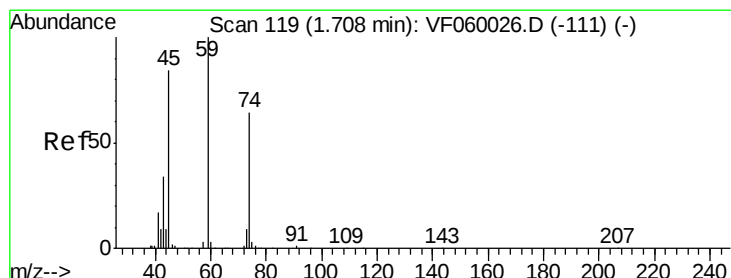
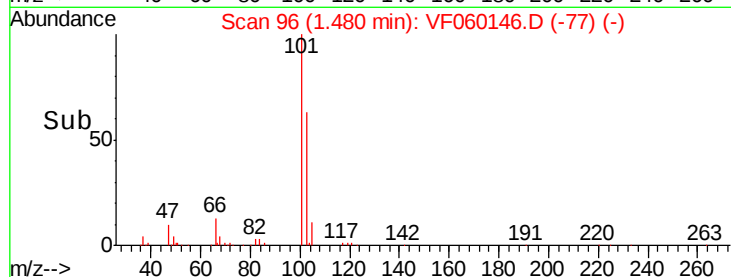
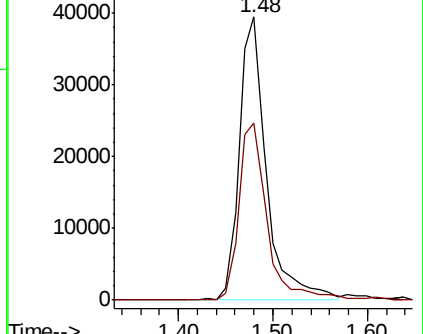
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.42 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF060146.D

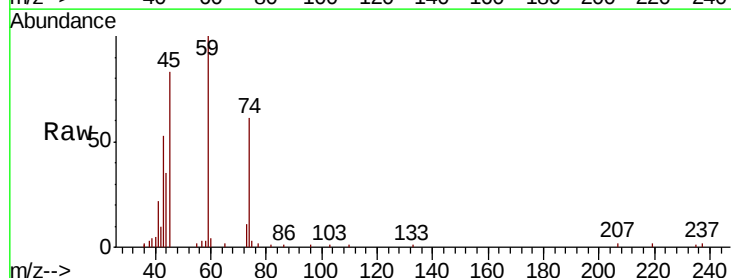
Acq: 28 Aug 2018 13:33

Tgt Ion: 74 Resp: 8613

Ion Ratio Lower Upper

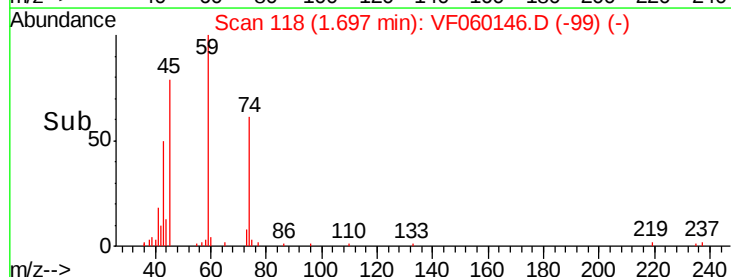
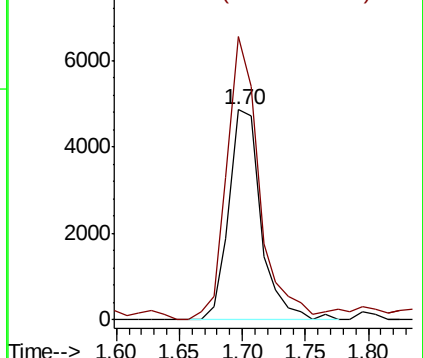
74 100

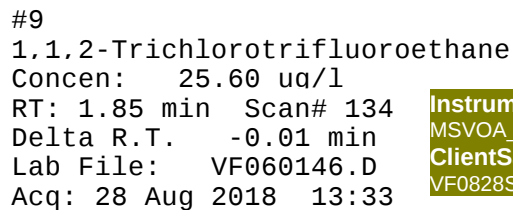
45 134.8 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



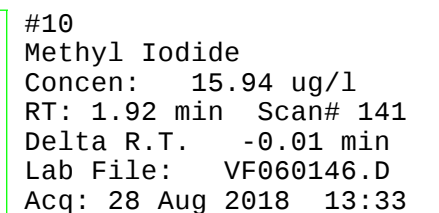
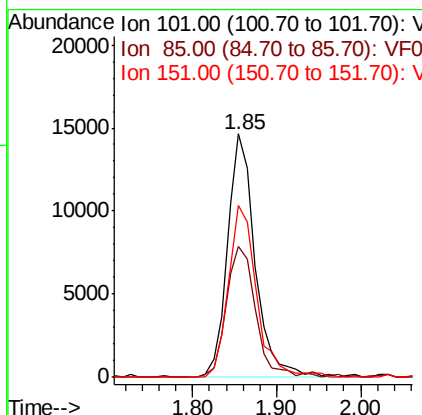


Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

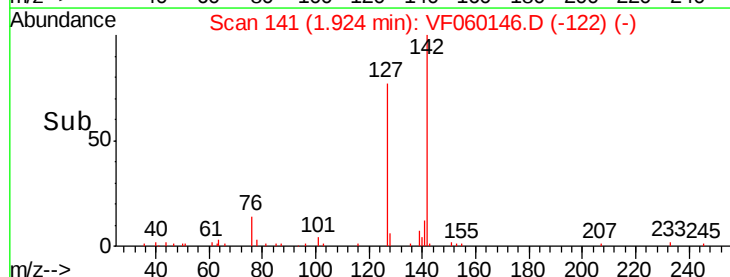
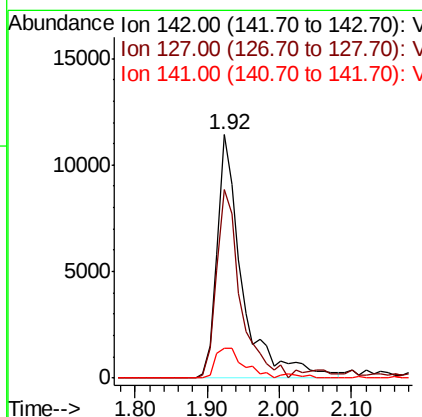
Tqt	Ion:101	Resp:	33336
Ion	Ratio	Lower	Upper
101	100		
85	54.0	41.5	62.3
151	70.8	55.2	82.8

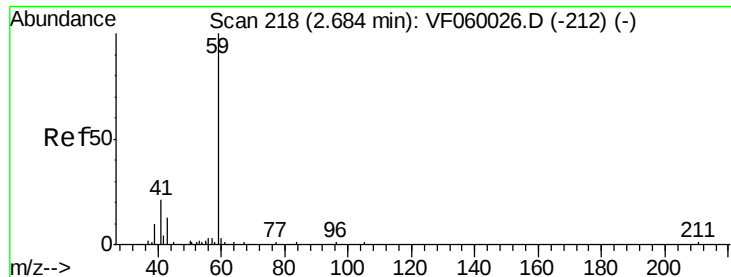
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Tgt	Ion:142	Resp:	27448
Ion	Ratio	Lower	Upper
142	100		
127	77.3	51.8	77.6
141	12.4	11.9	17.9





#11

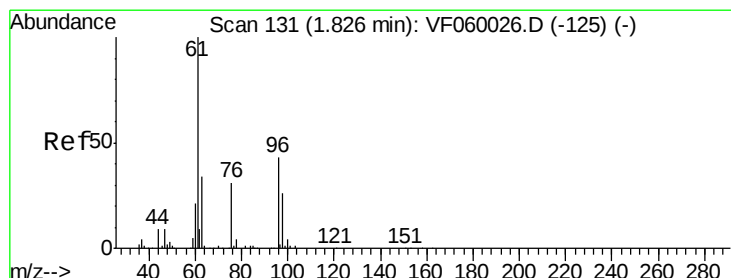
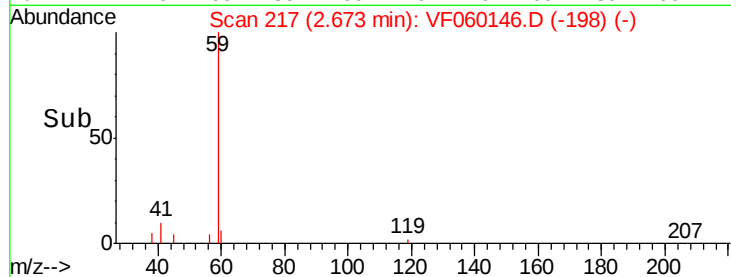
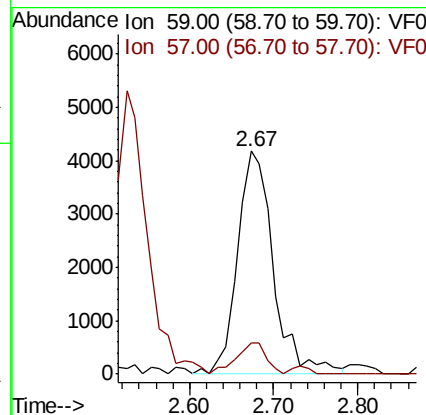
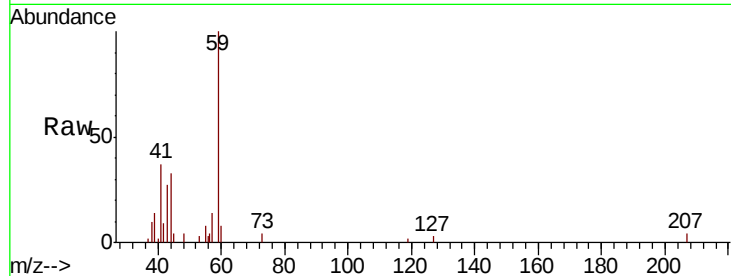
Tert butyl alcohol
Concen: 113.39 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	59	Resp	12458
Ion Ratio	100	Lower	Upper
57	13.7	5.4	8.2#

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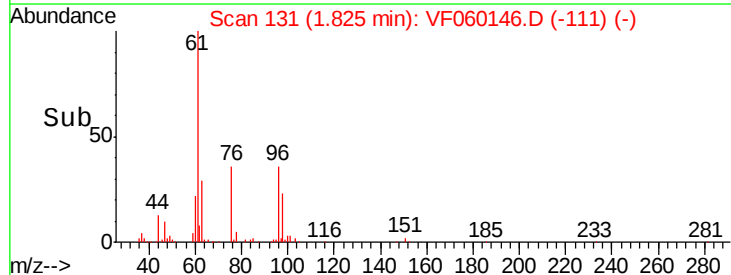
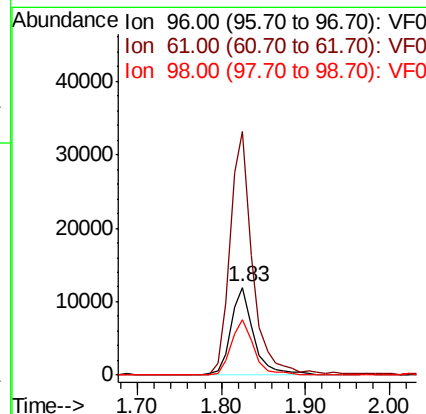
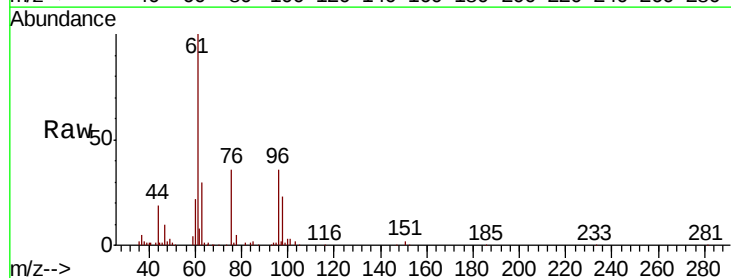
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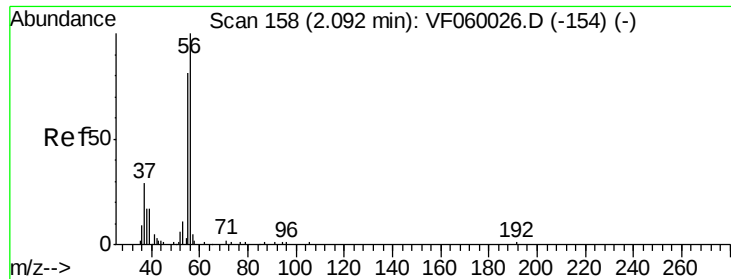


#12

1,1-Dichloroethene
Concen: 23.57 ug/l
RT: 1.83 min Scan# 131
Delta R.T. -0.00 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion	96	Resp	22614
Ion Ratio	100	Lower	Upper
61	278.0	185.0	277.6#
98	63.2	47.8	71.8





#13

Acrolein

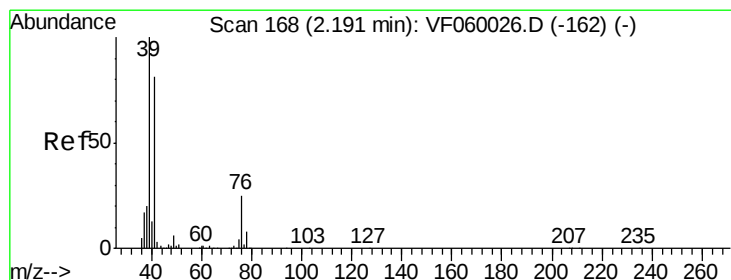
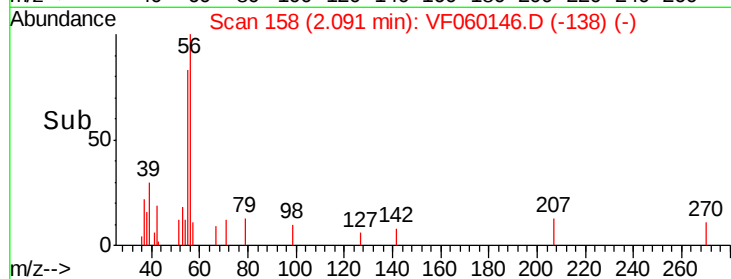
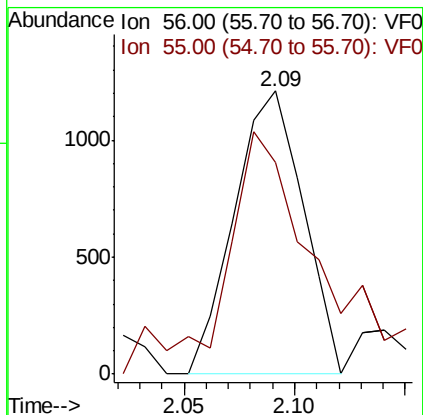
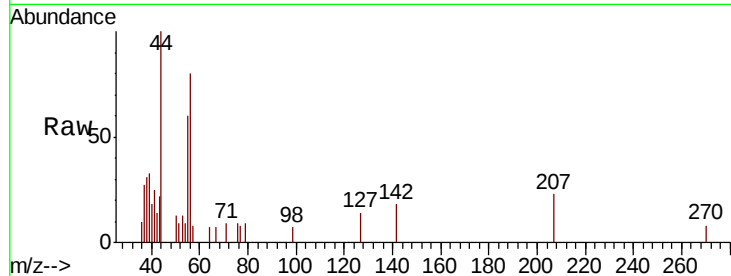
Concen: 61.33 ug/l m
 RT: 2.09 min Scan# 158
 Delta R.T. -0.00 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.6	65.6	98.4

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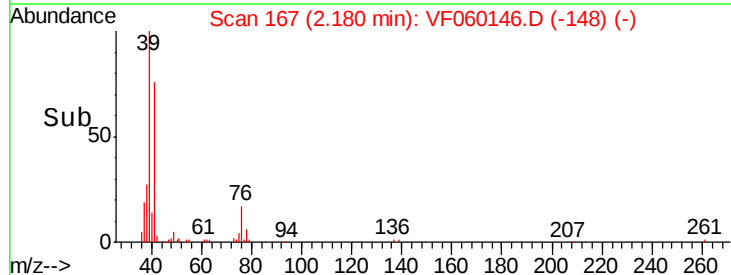
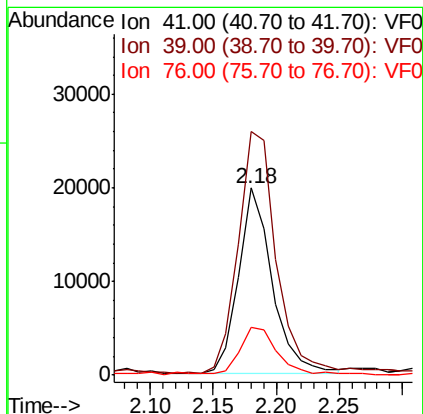
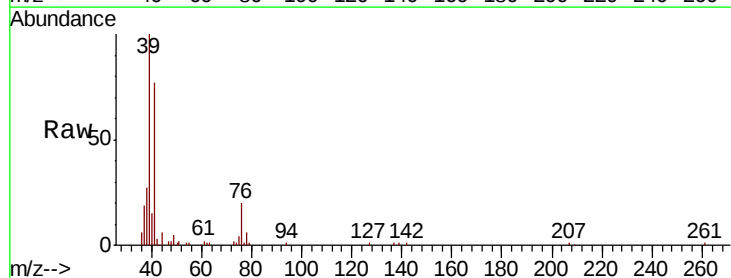


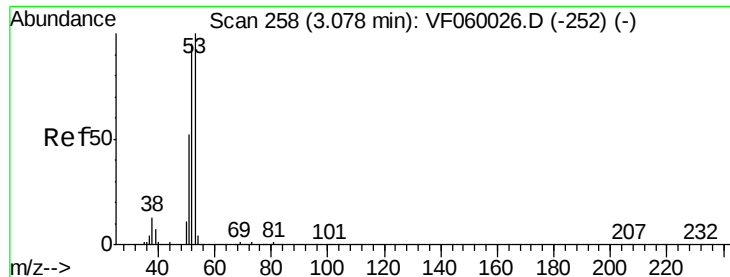
#14

Allyl chloride

Concen: 21.59 ug/l
 RT: 2.18 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Lower	Upper
41	100		
39	130.1	99.3	148.9
76	25.5	24.3	36.5





#15

Acrylonitrile

Concen: 110.88 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

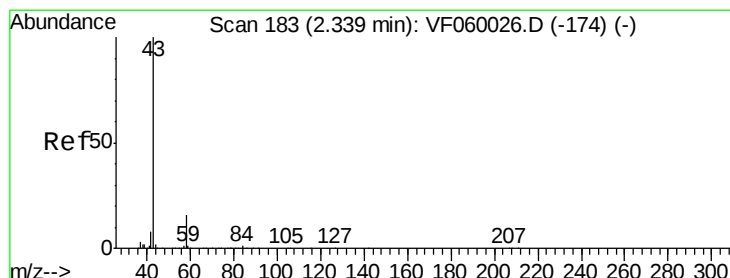
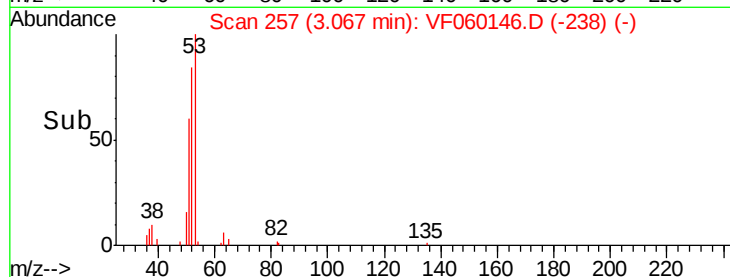
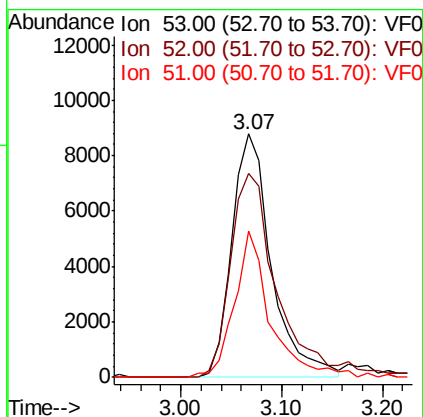
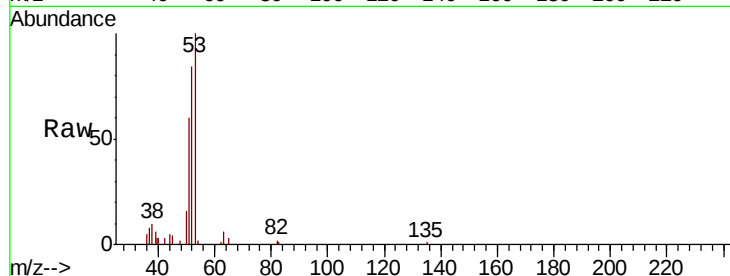
ClientSampleId :

VF0828SBS01

Tot Ion:	53	Resp:	24041
Ion	Ratio	Lower	Upper
53	100		
52	83.8	75.8	113.8
51	59.9	42.1	63.1

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#16

Acetone

Concen: 124.43 ug/l

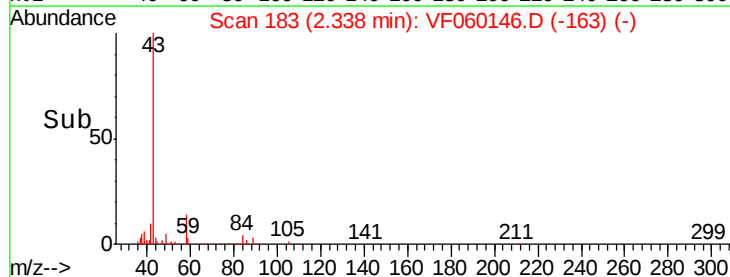
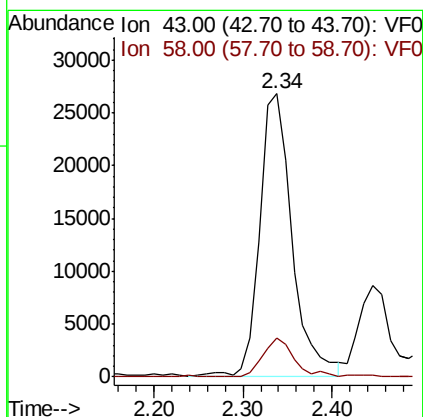
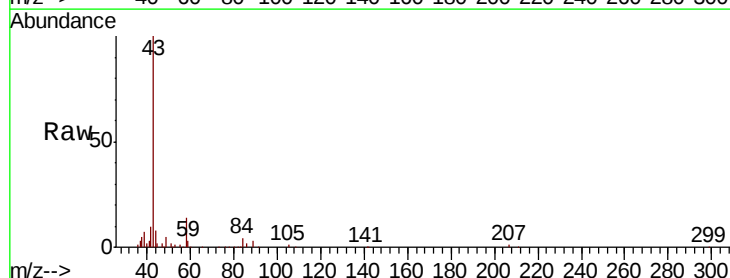
RT: 2.34 min Scan# 183

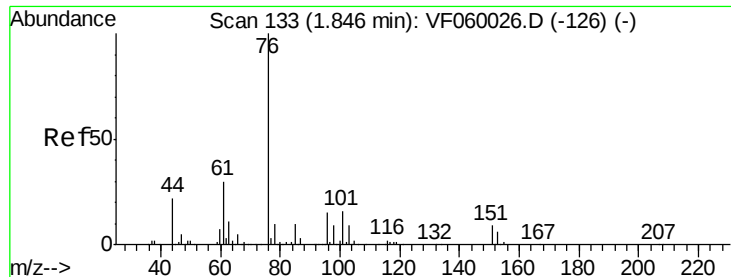
Delta R.T. -0.00 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:	43	Resp:	67541
Ion	Ratio	Lower	Upper
43	100		
58	13.7	12.6	19.0





#17

Carbon Disulfide

Concen: 22.85 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 76 Resp: 68629

Ion Ratio Lower Upper

76 100

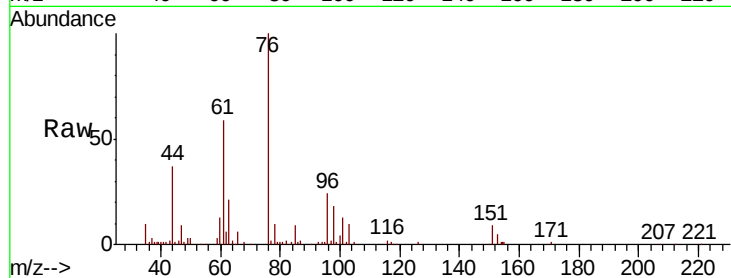
78 9.8 8.4 12.6

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

30000

25000

20000

15000

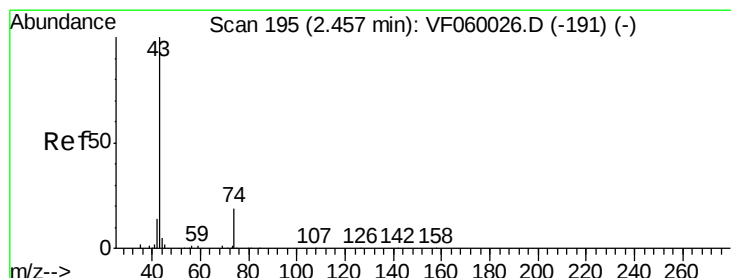
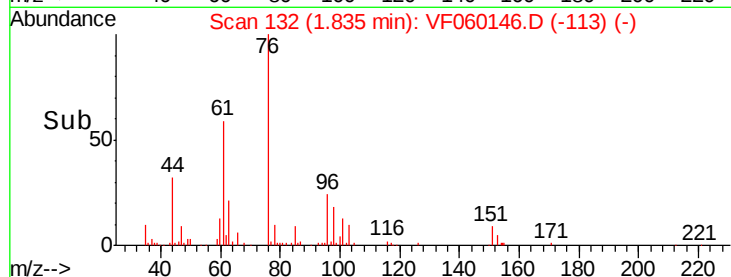
10000

5000

0

1.70 1.80 1.90 2.00

Time-->



#18

Methyl Acetate

Concen: 19.00 ug/l

RT: 2.45 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF060146.D

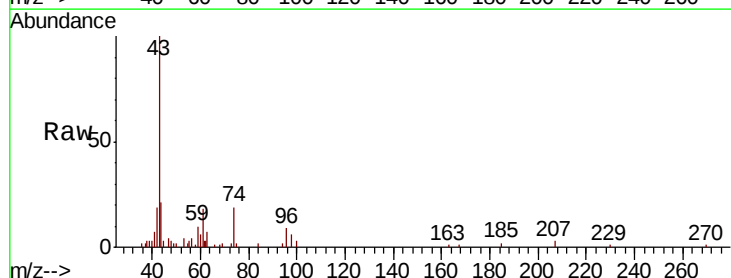
Acq: 28 Aug 2018 13:33

Tgt Ion: 43 Resp: 19983

Ion Ratio Lower Upper

43 100

74 18.8 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

12000

10000

8000

6000

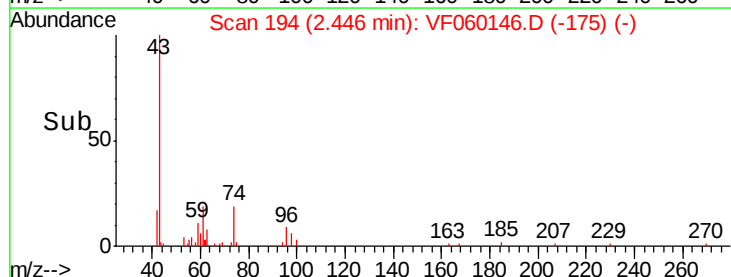
4000

2000

0

2.40 2.45 2.50

Time-->





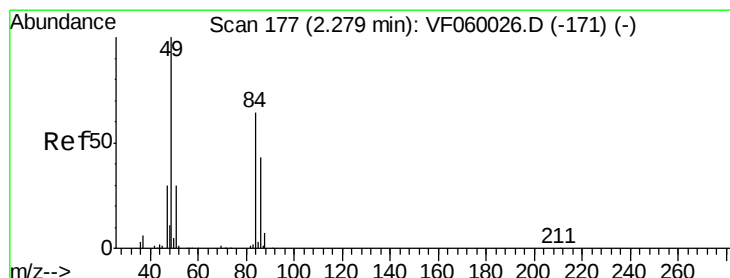
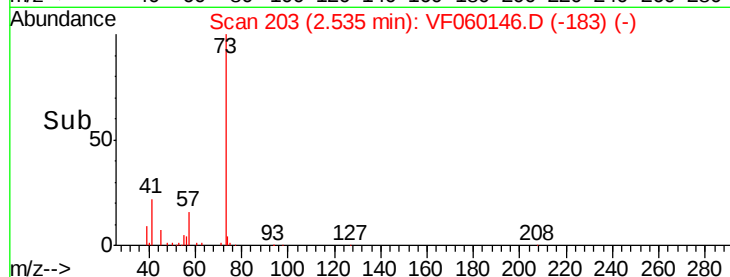
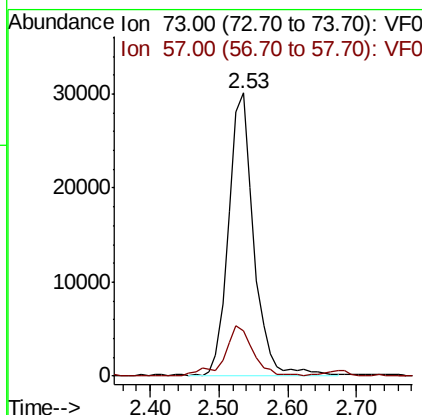
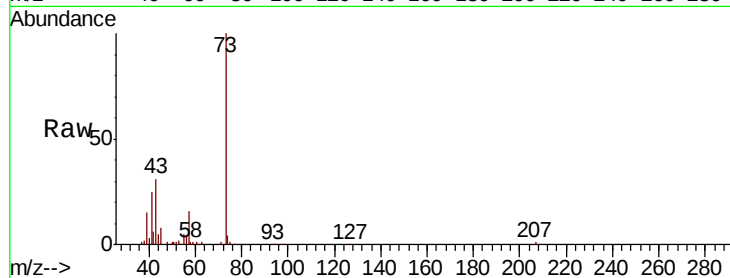
#19
Methyl tert-butyl Ether
Concen: 24.87 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.0	13.7	20.5

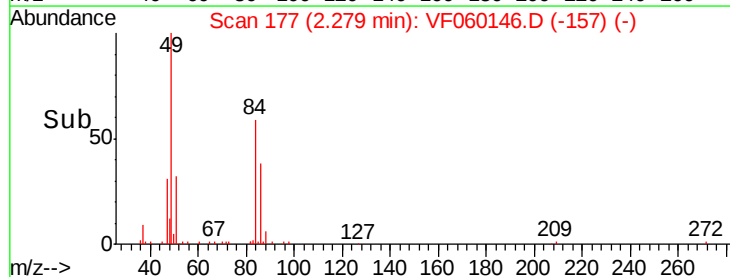
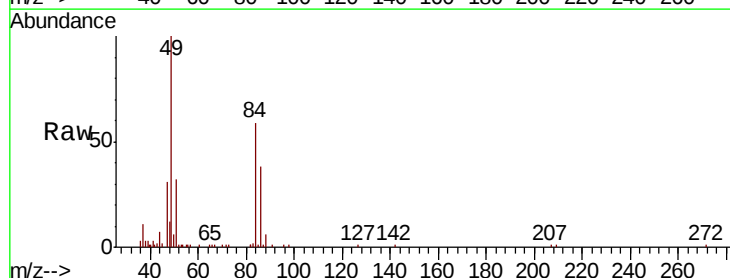
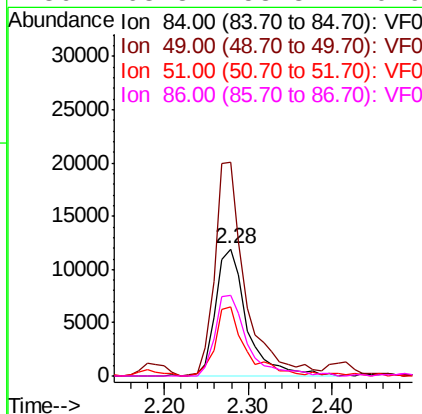
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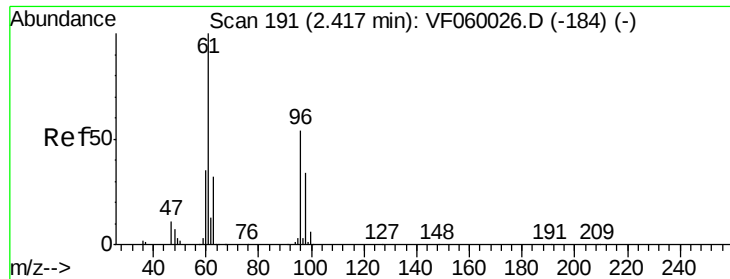
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#20
Methylene Chloride
Concen: 26.43 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	168.5	125.4	188.0
51	54.1	38.3	57.5
86	63.8	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 20.72 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

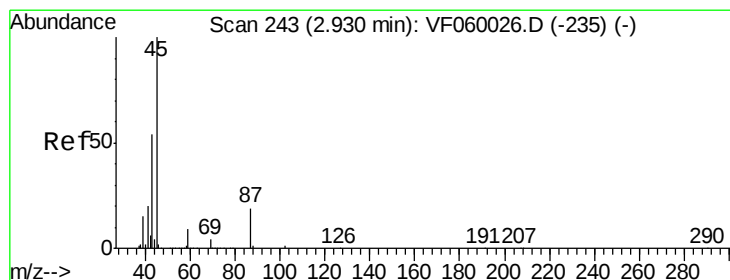
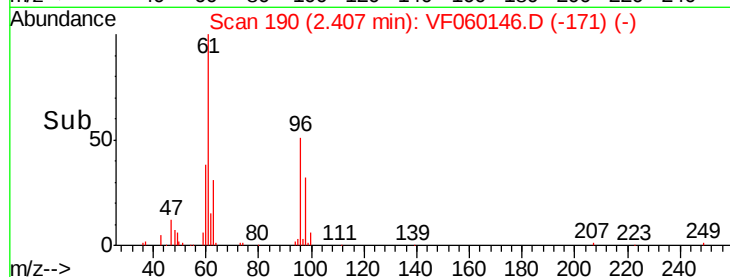
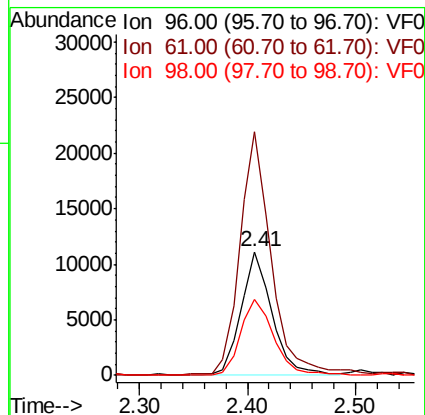
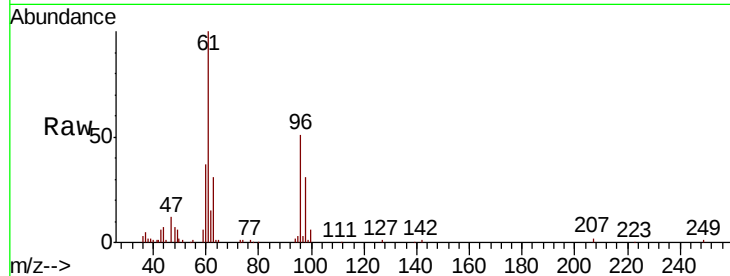
ClientSampleId :

VF0828SBS01

Tot Ion:	96	Resp:	22242
Ion	Ratio	Lower	Upper
96	100		
61	197.3	147.4	221.0
98	62.0	49.8	74.6

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#22

Diisopropyl ether

Concen: 23.10 ug/l

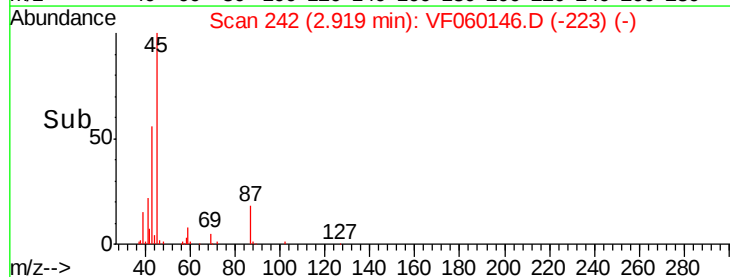
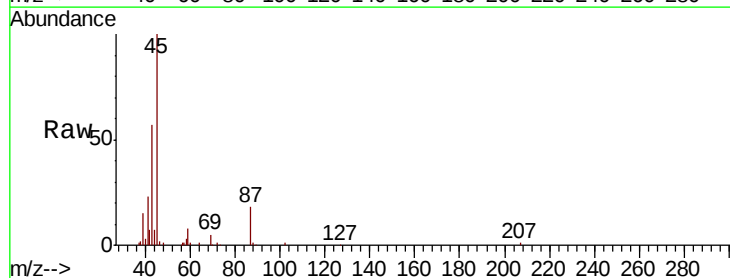
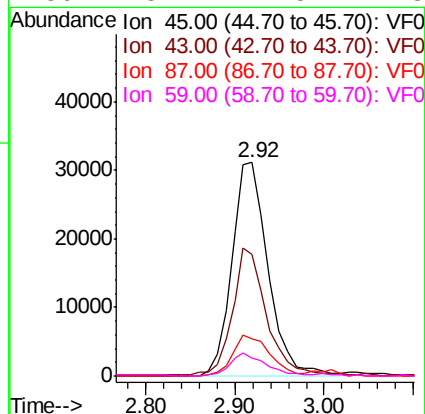
RT: 2.92 min Scan# 242

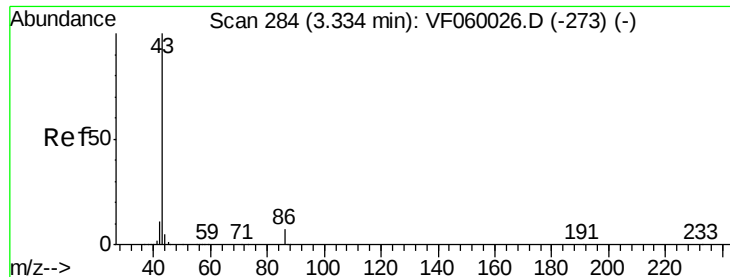
Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:	45	Resp:	88118
Ion	Ratio	Lower	Upper
45	100		
43	56.8	43.4	65.2
87	17.6	15.4	23.2
59	8.1	7.5	11.3





#23

Vinyl Acetate

Concen: 109.62 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 43 Resp: 221539

Ion Ratio Lower Upper

43 100

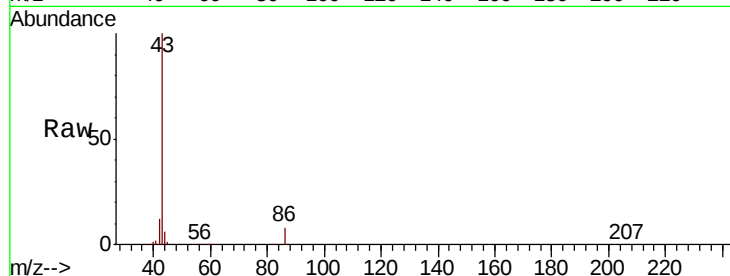
86 7.9 5.6 8.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.32

100000

80000

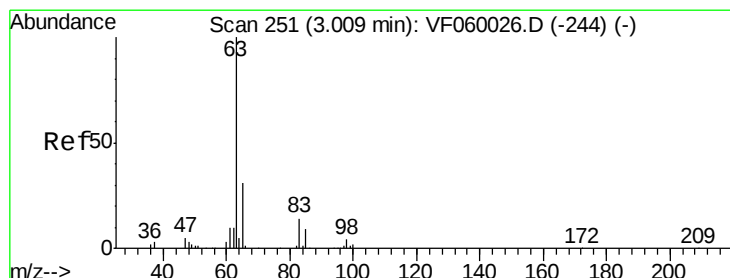
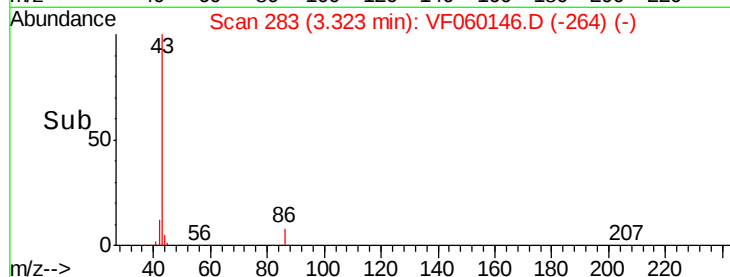
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 30.08 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

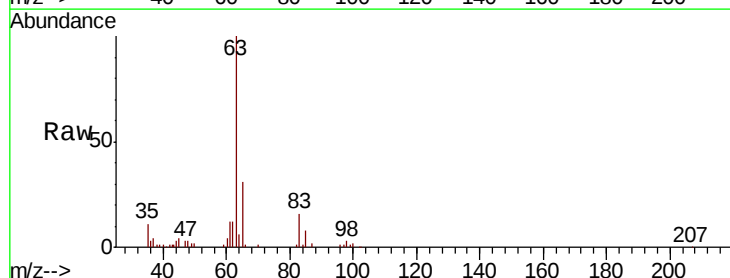
Tgt Ion: 63 Resp: 70889

Ion Ratio Lower Upper

63 100

98 3.0 2.1 6.5

100 1.9 1.1 3.3



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

2.99

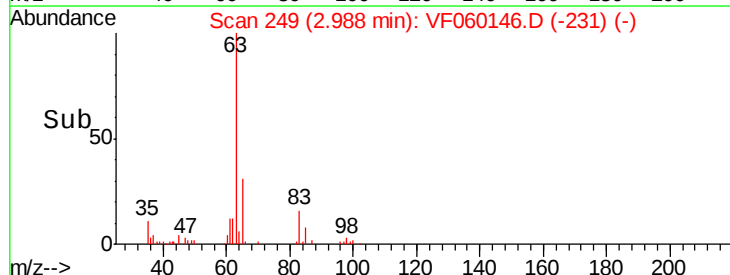
30000

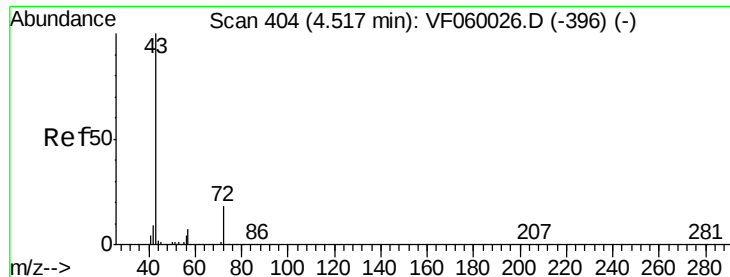
20000

10000

0

Time-->





#25

2-Butanone

Concen: 105.43 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.03 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 43 Resp: 74335

Ion Ratio Lower Upper

43 100

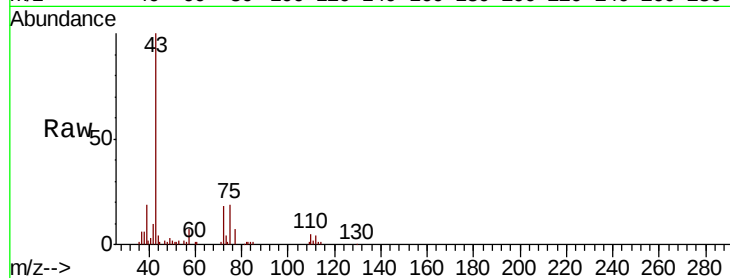
72 17.8 15.0 22.6

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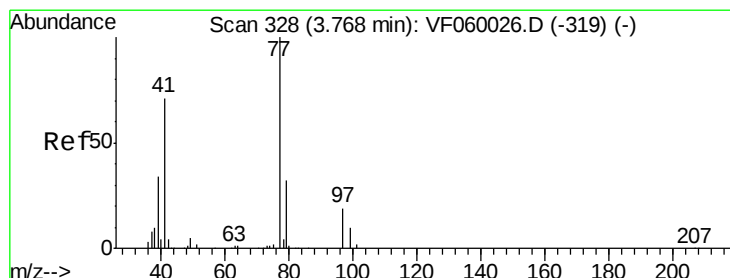
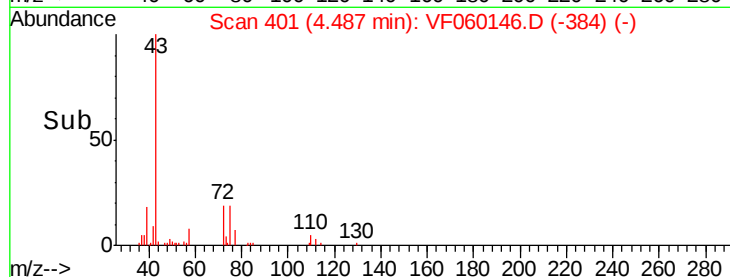
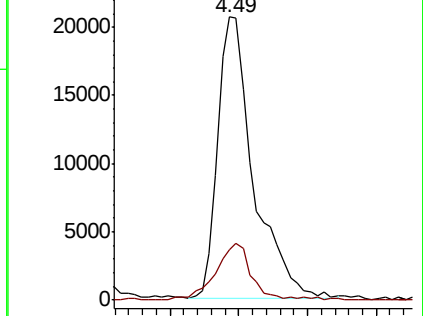
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 29.06 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060146.D

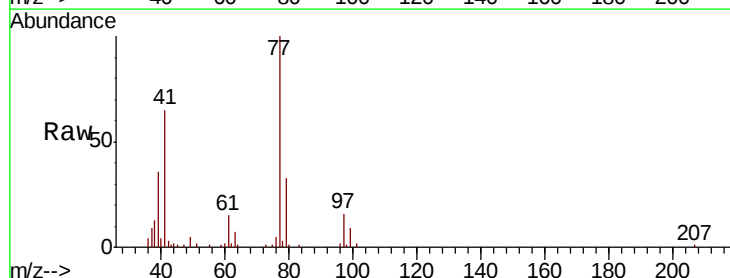
Acq: 28 Aug 2018 13:33

Tgt Ion: 77 Resp: 70844

Ion Ratio Lower Upper

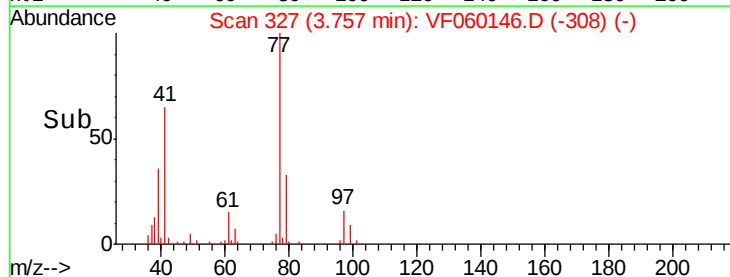
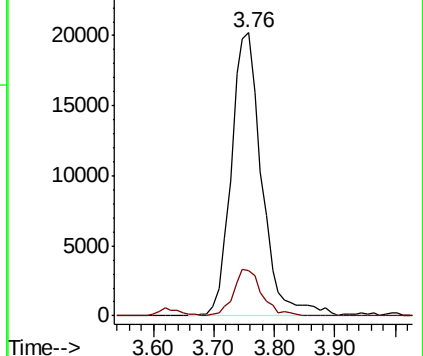
77 100

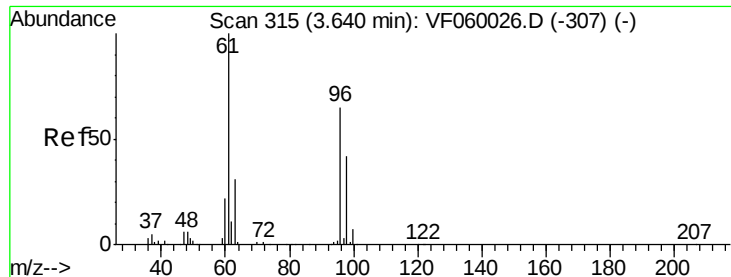
97 16.1 9.7 29.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

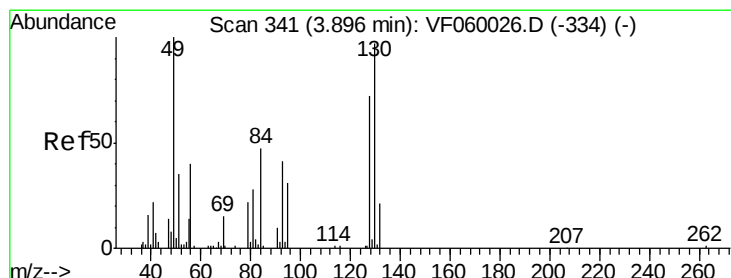
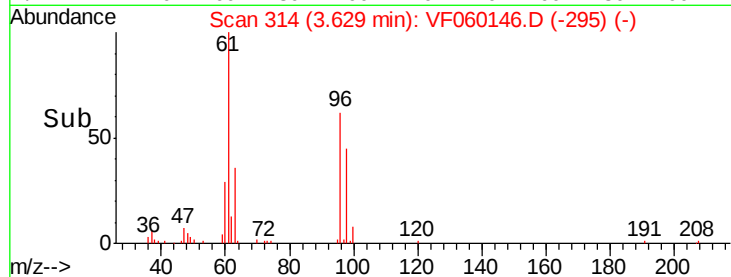
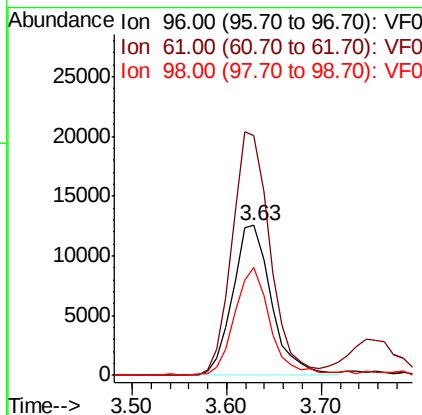
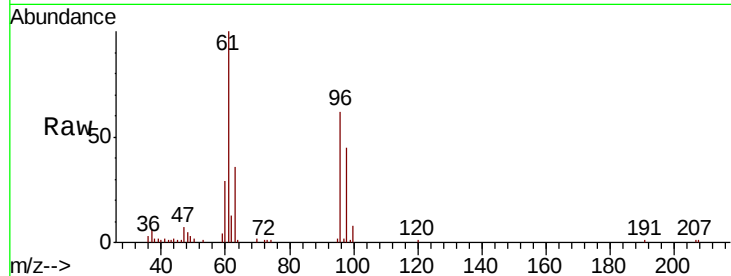
cis-1,2-Dichloroethene
Concen: 23.49 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	35731		
61	160.5		0.0	307.6
98	72.3		0.0	128.4

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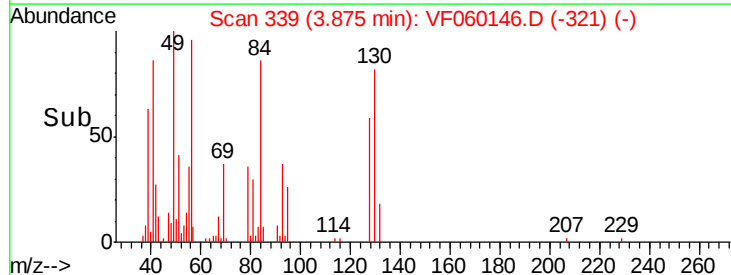
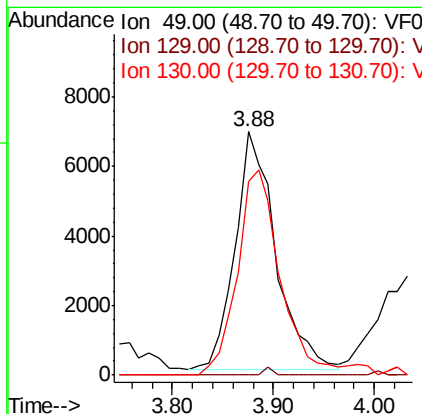
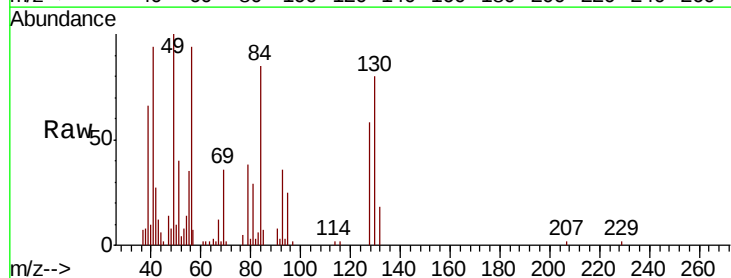
apatel
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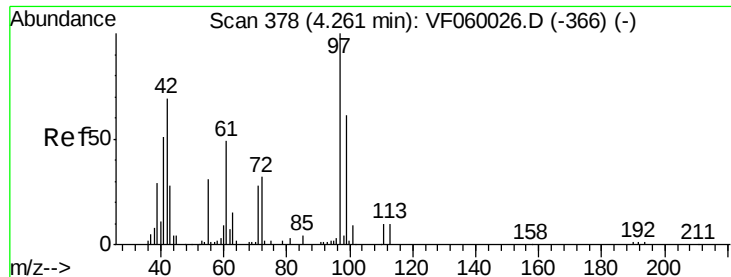


#28

Bromochloromethane
Concen: 19.49 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19388		
129	0.0		0.0	7.4
130	79.8		78.0	117.0





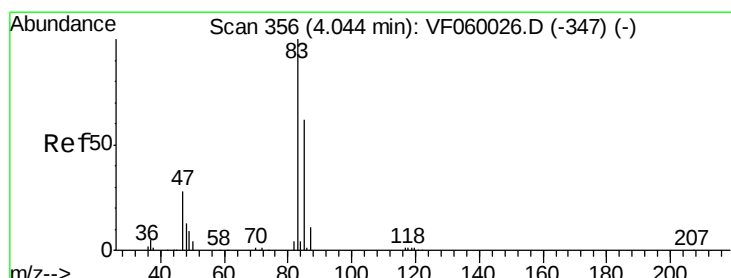
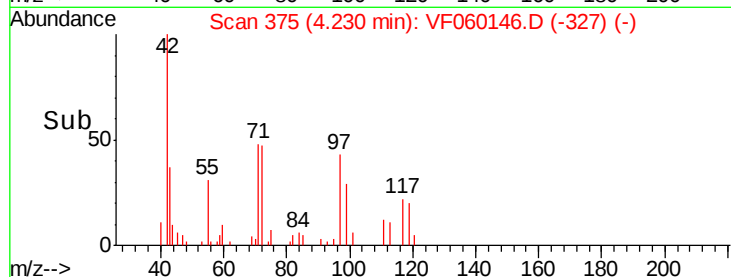
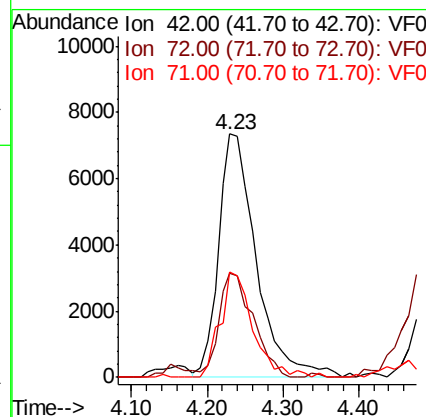
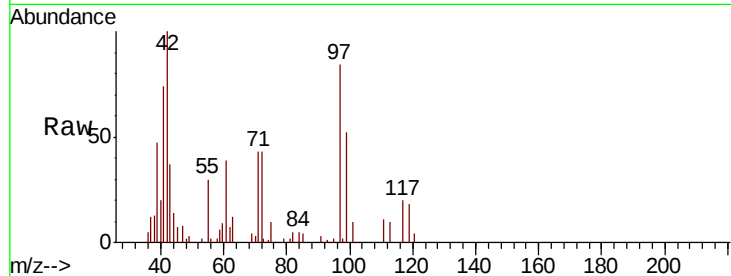
#29
Tetrahydrofuran
Concen: 96.03 ug/l
RT: 4.23 min Scan# 375
Delta R.T. -0.03 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	31.4	47.2
71	37.9	29.7	44.5

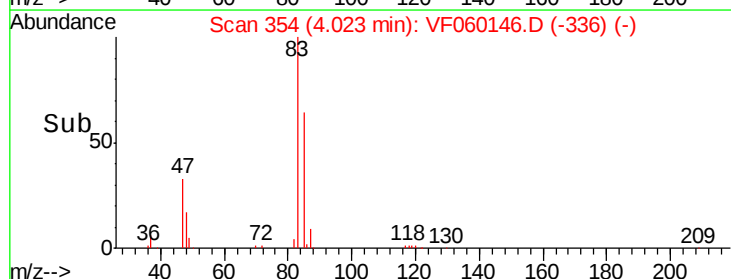
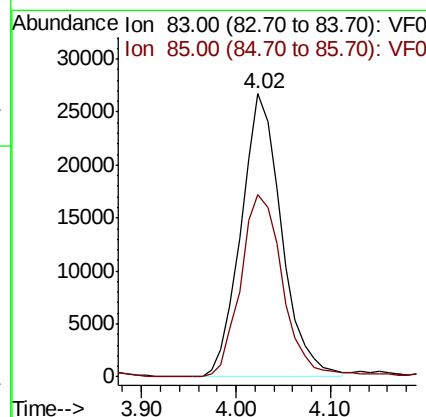
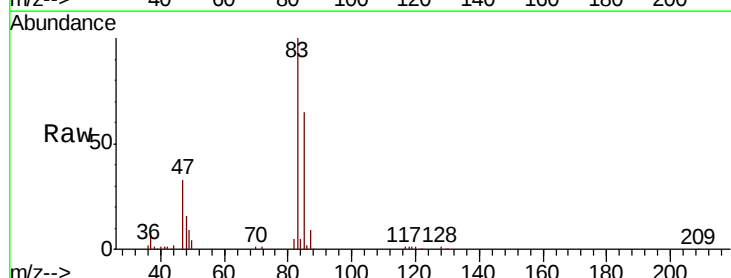
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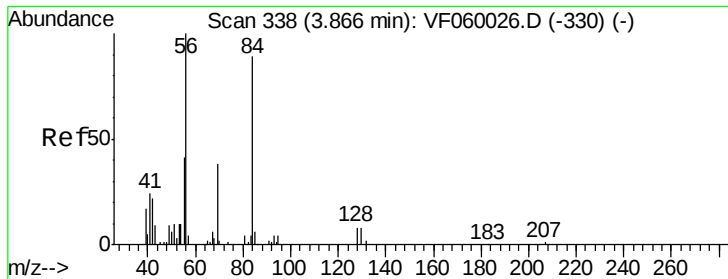
apatel
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#30
Chloroform
Concen: 24.08 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.5	74.3





#31

Cyclohexane

Concen: 21.99 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

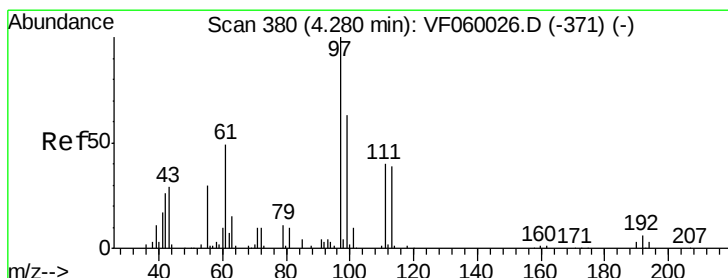
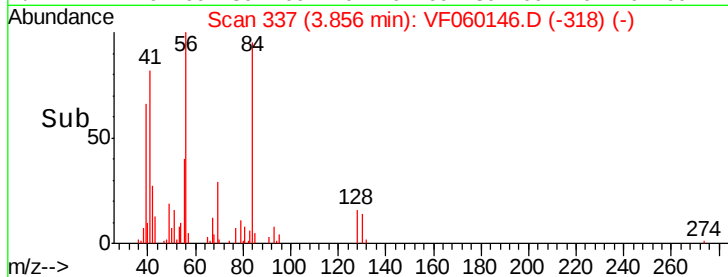
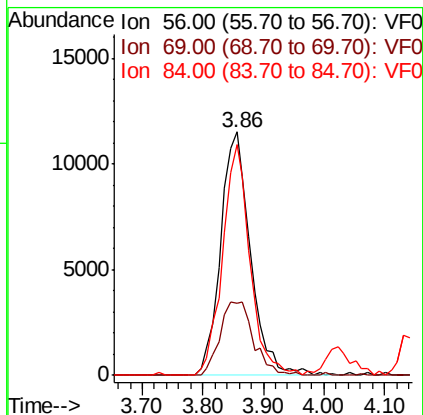
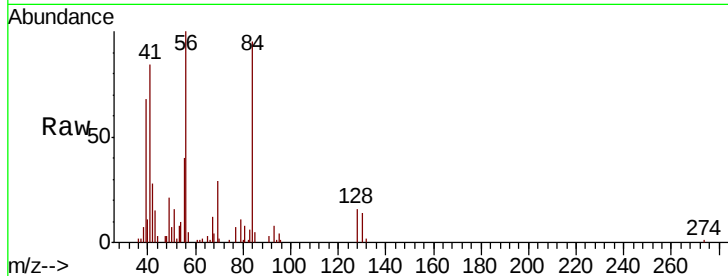
ClientSampleId :

VF0828SBS01

Tot Ion:	56	Resp:	39486
Ion	Ratio	Lower	Upper
56	100		
69	29.5	30.4	45.6#
84	94.7	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 28.65 ug/l

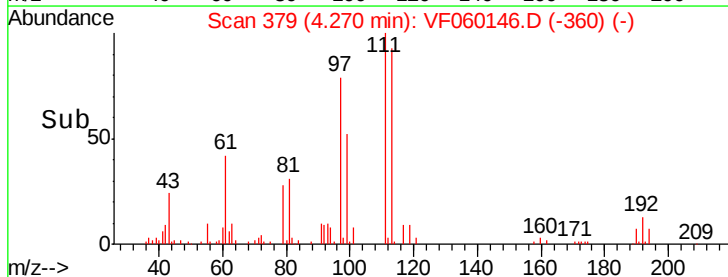
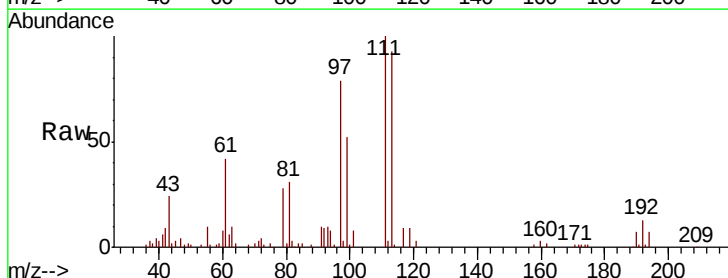
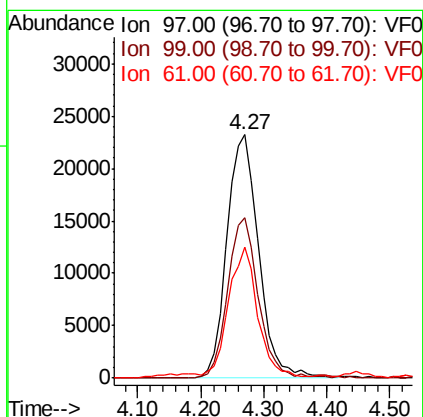
RT: 4.27 min Scan# 379

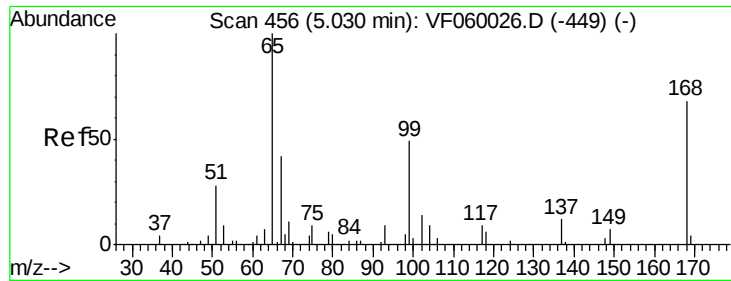
Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:	97	Resp:	81171
Ion	Ratio	Lower	Upper
97	100		
99	66.0	50.3	75.5
61	53.5	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 58.52 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF060146.D

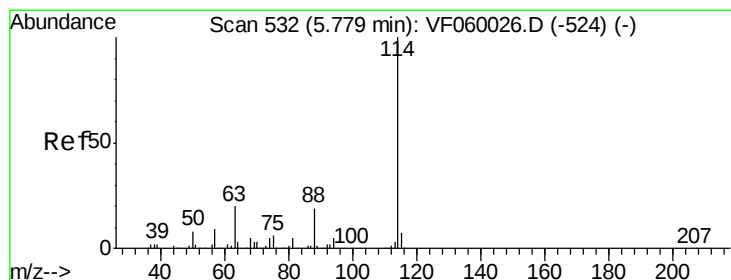
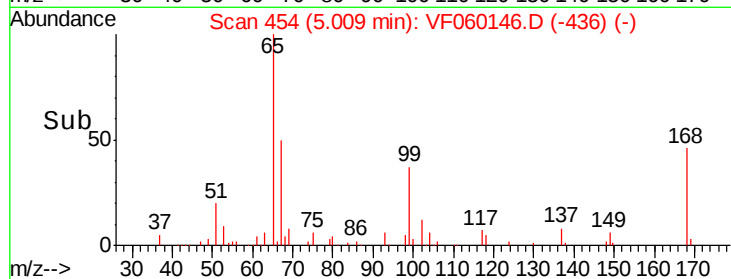
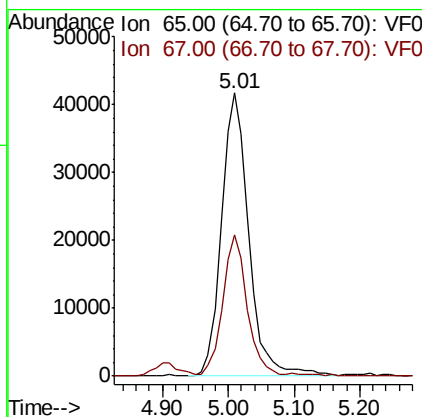
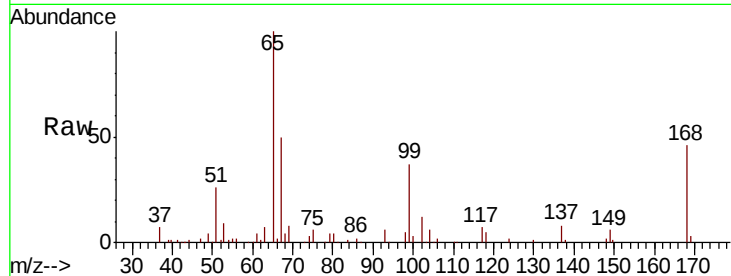
Acq: 28 Aug 2018 13:33

Tot Ion	Ratio	Resp	Lower	Upper
65	100	120867		
67	49.8	0.0	92.0	

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

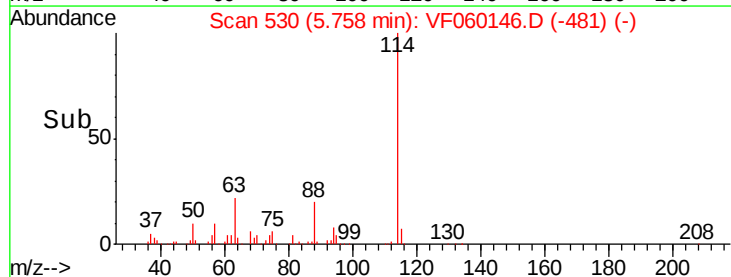
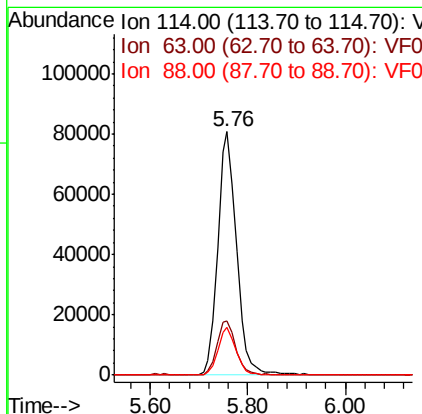
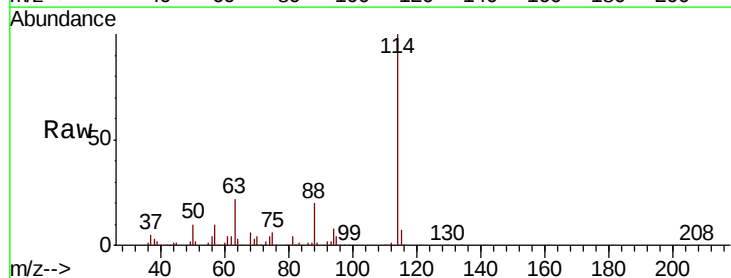
RT: 5.76 min Scan# 530

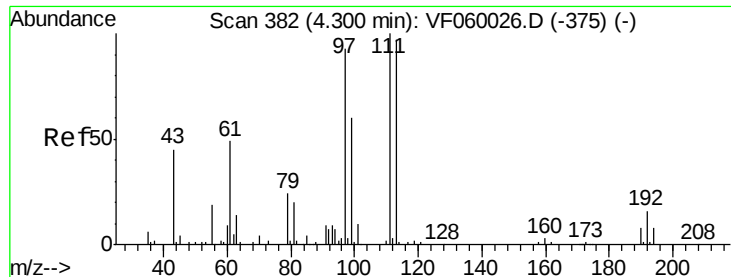
Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	216934		
63	22.0	0.0	40.4	
88	19.6	0.0	38.6	





#35

Dibromofluoromethane

Concen: 62.74 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

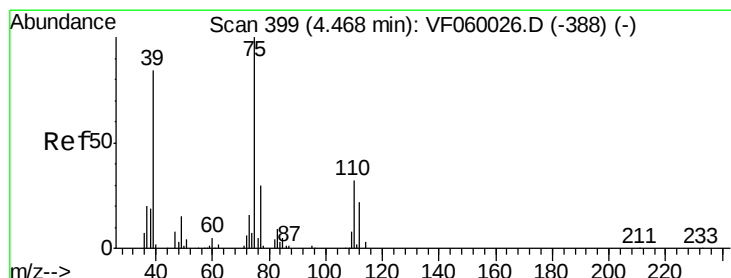
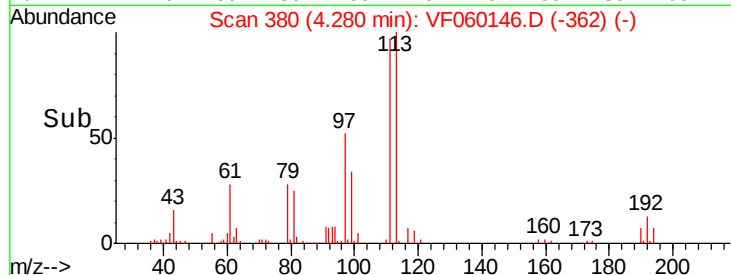
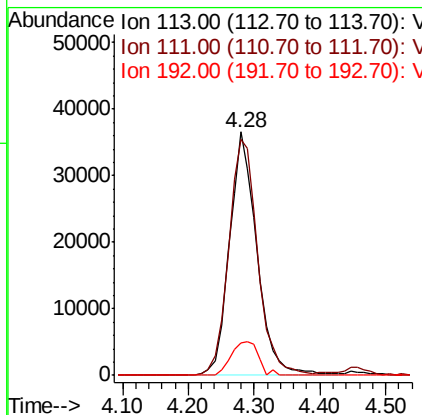
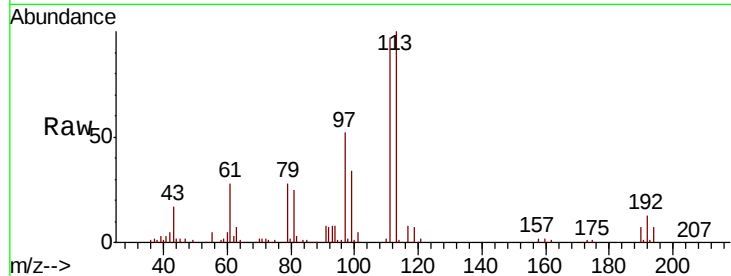
ClientSampleId :

VF0828SBS01

Tot Ion:	113	Resp:	106879
Ion Ratio	Lower	Upper	
113	100		
111	97.0	82.7	124.1
192	13.3	13.0	19.4

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#36

1,1-Dichloropropene

Concen: 26.50 ug/l

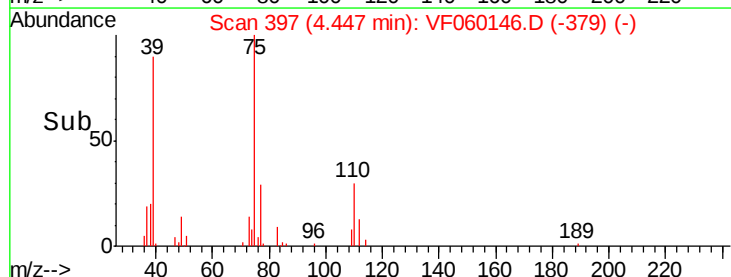
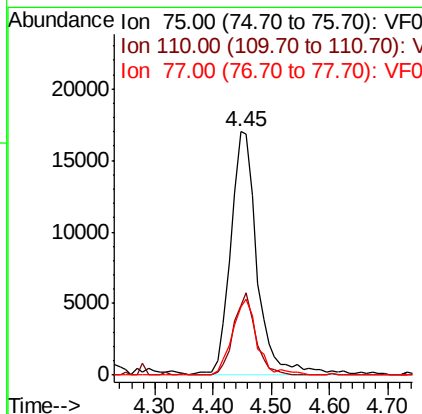
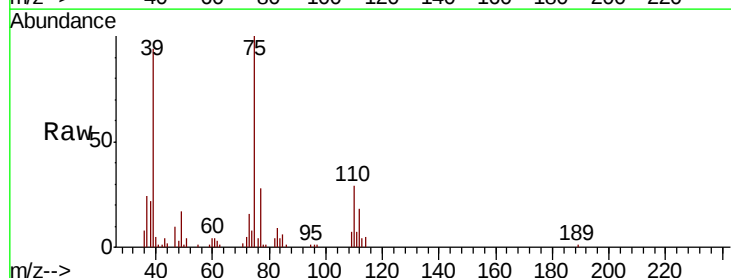
RT: 4.45 min Scan# 397

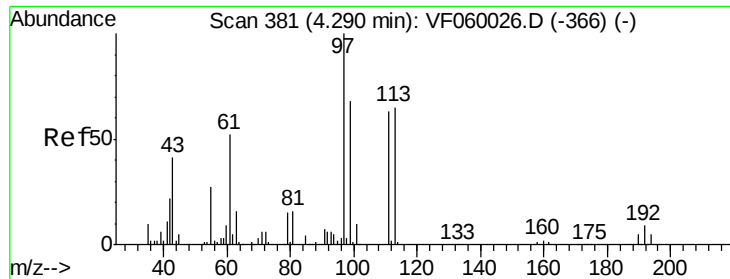
Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:	75	Resp:	54032
Ion Ratio	Lower	Upper	
75	100		
110	28.7	16.0	47.9
77	28.1	24.1	36.1





#37

Ethyl Acetate

Concen: 20.01 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

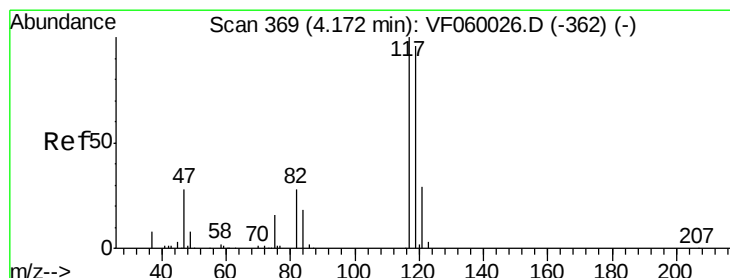
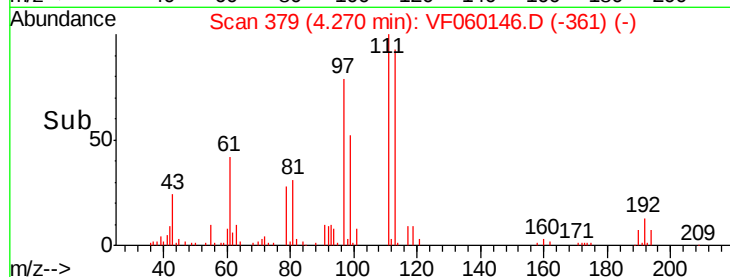
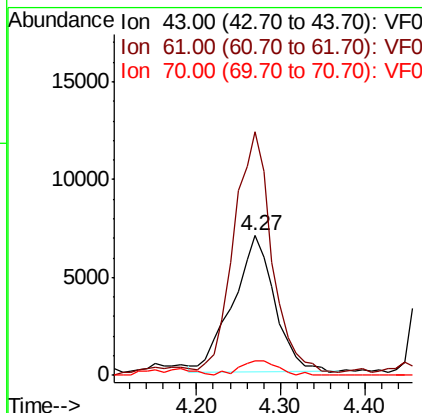
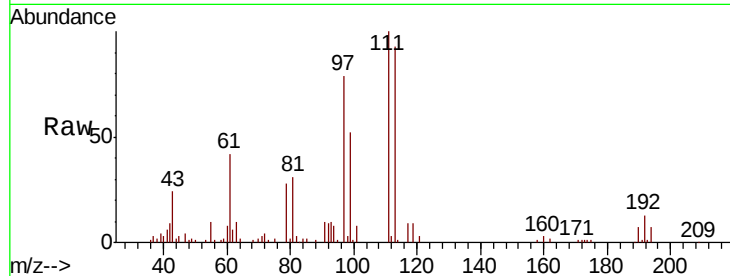
ClientSampleId :

VF0828SBS01

Tot Ion:	43	Resp:	24393
Ion	Ratio	Lower	Upper
43	100		
61	174.2	101.5	152.3#
70	10.2	6.4	9.6#

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#38

Carbon Tetrachloride

Concen: 29.03 ug/l

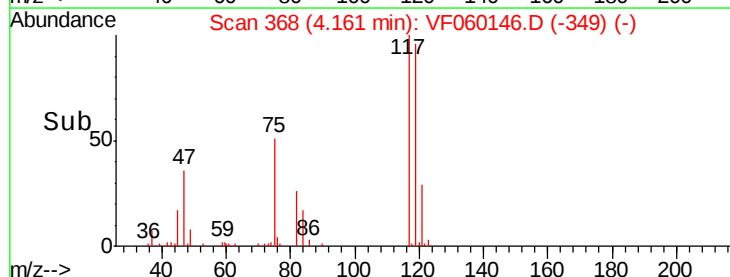
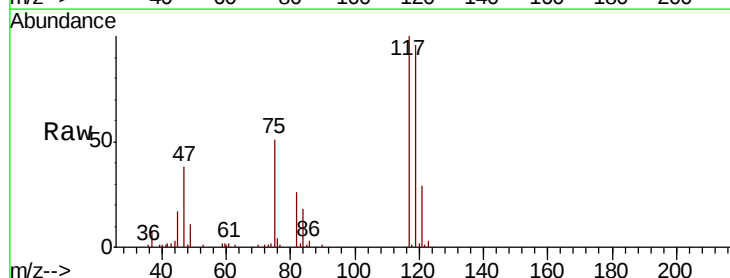
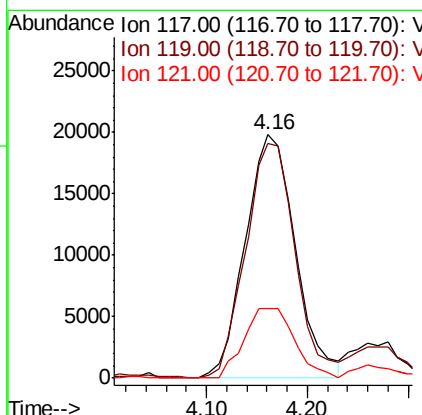
RT: 4.16 min Scan# 368

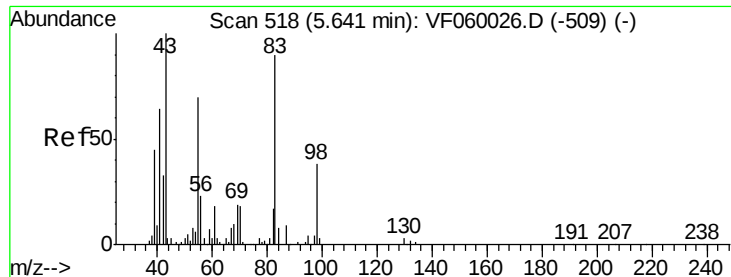
Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:	117	Resp:	68518
Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.5	114.7
121	28.7	23.0	34.6





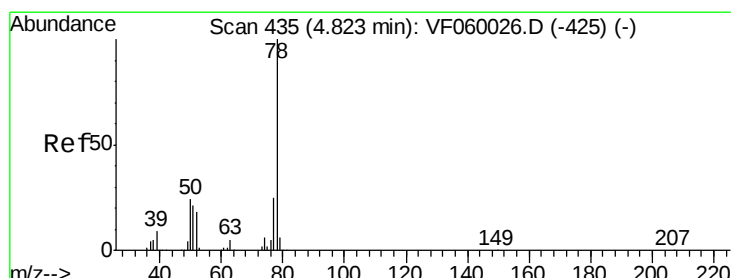
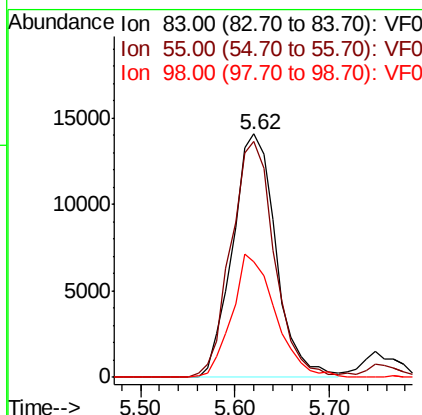
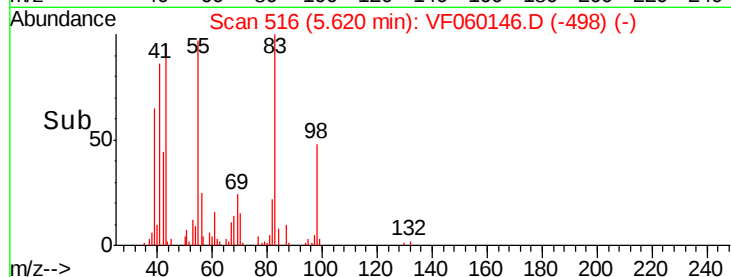
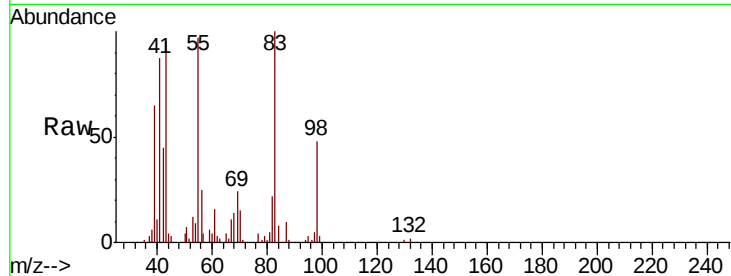
#39
Methvlcvclohexane
Concen: 23.42 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.8	62.7	94.1#
98	47.6	33.8	50.8

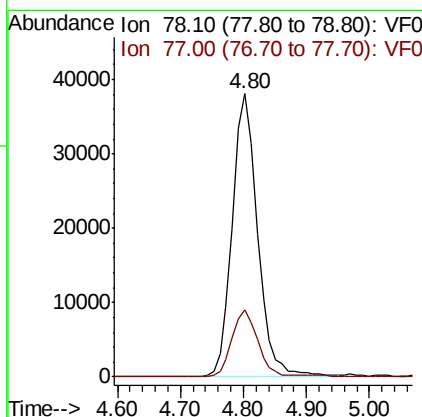
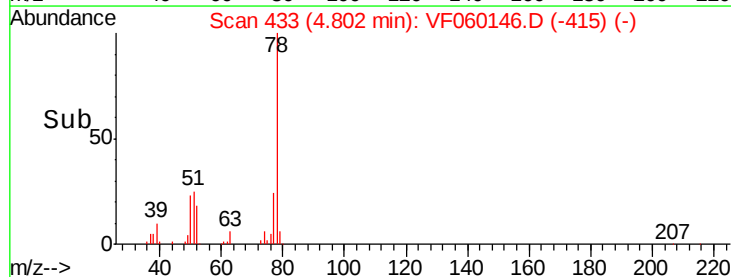
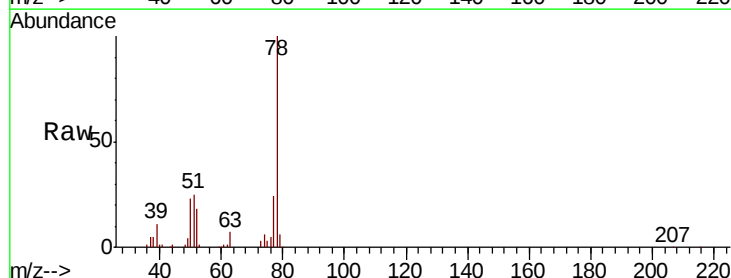
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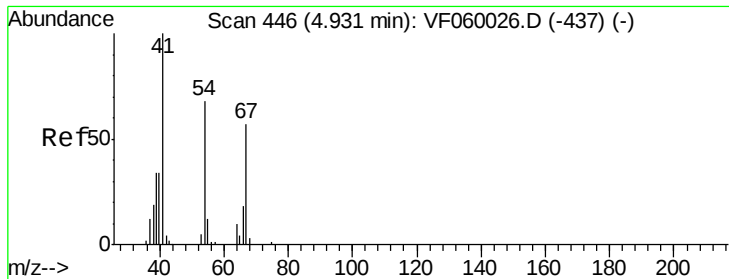
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#40
Benzene
Concen: 23.74 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.8	29.6





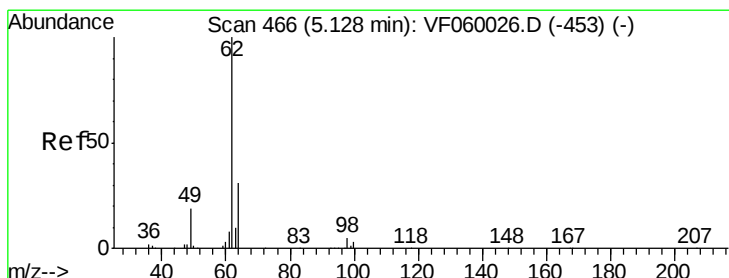
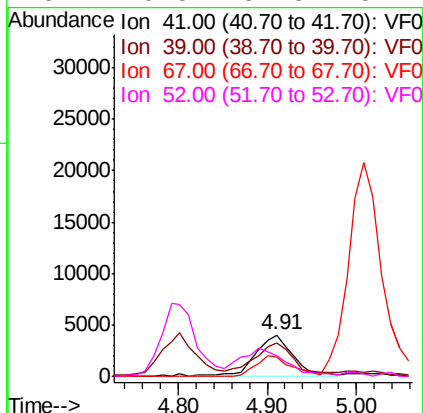
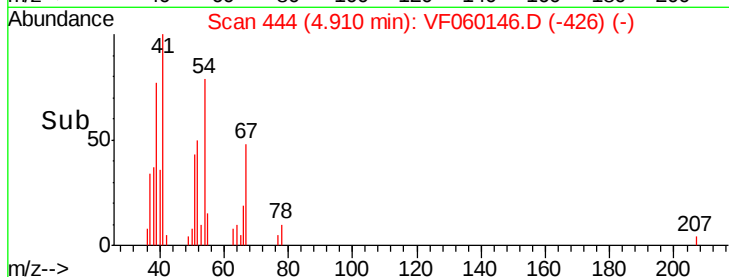
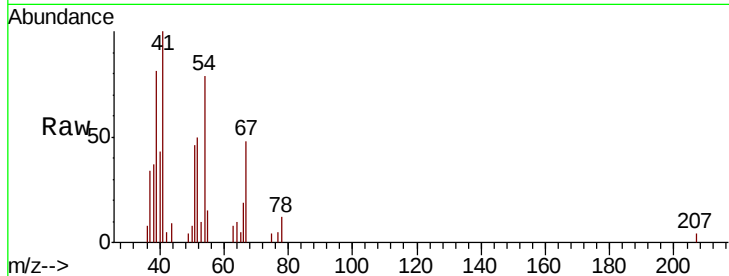
#41
Methacrylonitrile
Concen: 19.28 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.5	52.9	79.3#
67	48.0	45.3	67.9
52	49.8	34.8	52.2

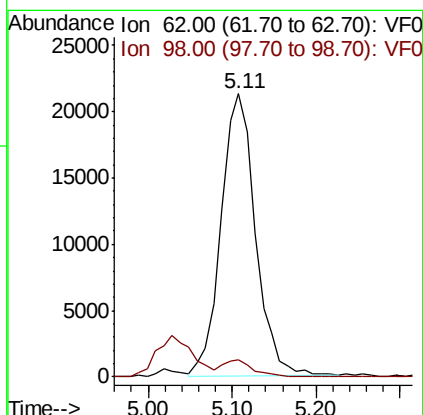
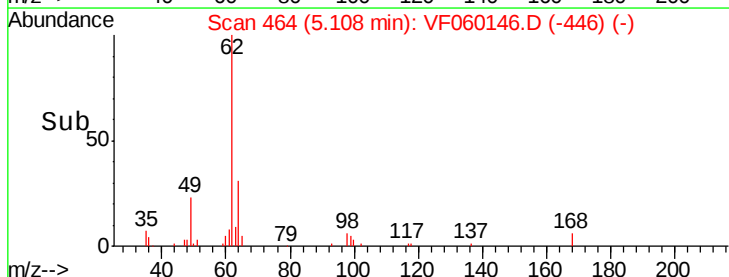
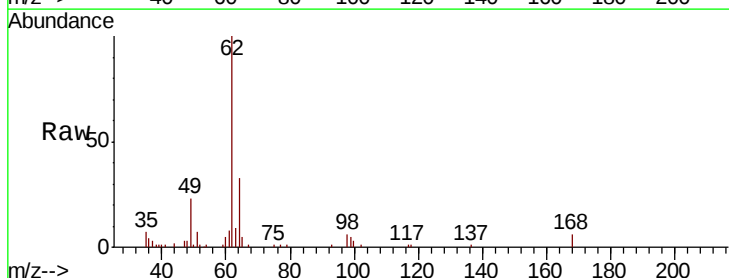
Manual Integrations
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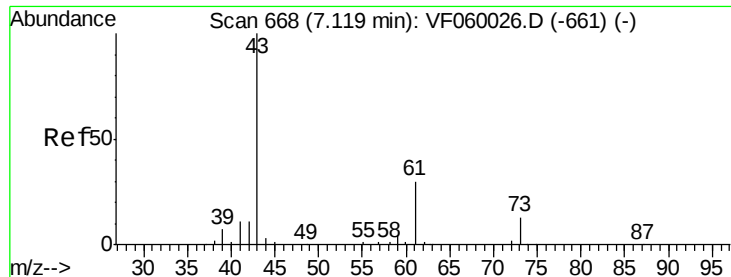
apatel
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#42
1,2-Dichloroethane
Concen: 25.33 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.0	0.0	11.2





#43

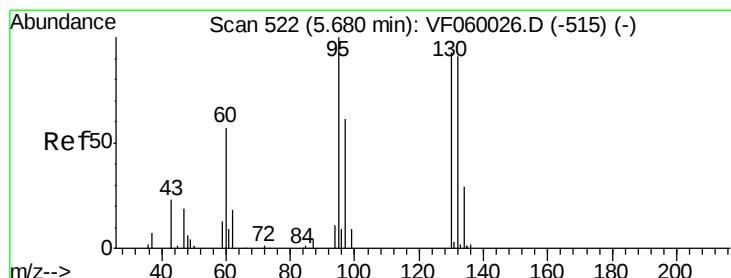
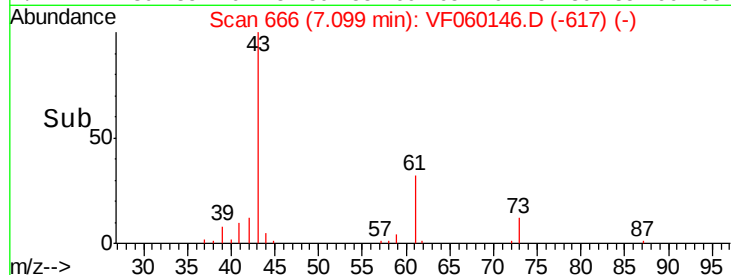
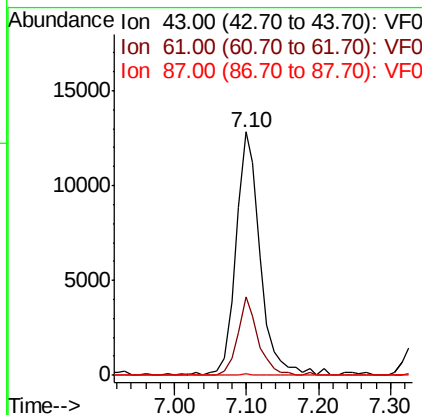
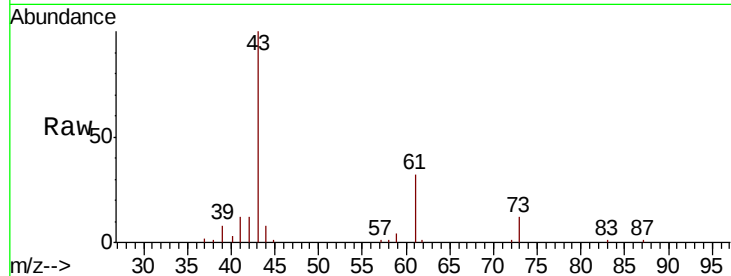
Isopropyl Acetate
 Concen: 19.60 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.1	23.8	35.6
87	0.8	0.2	0.4

Manual Integrations
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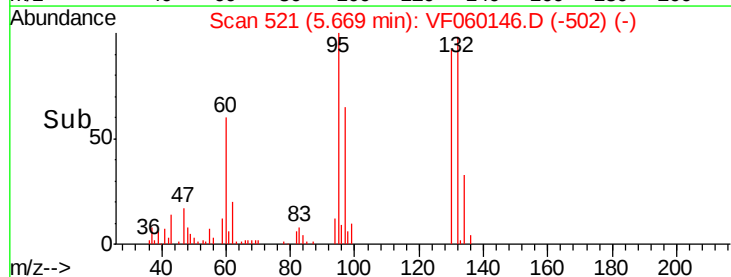
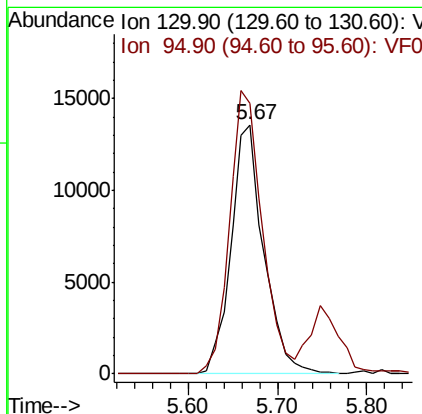
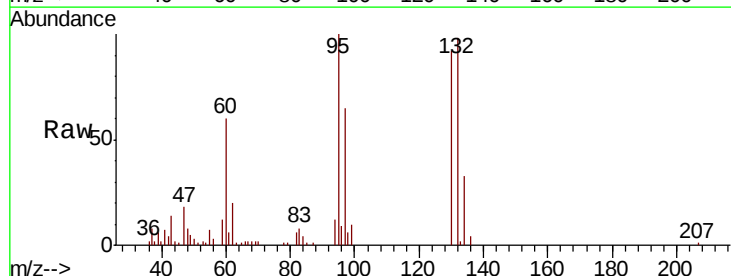
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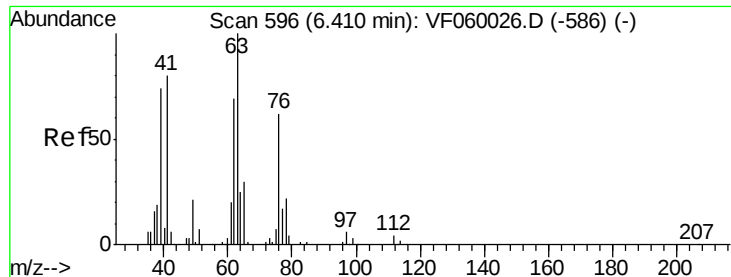


#44

Trichloroethene
 Concen: 23.66 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	215.8





#45

1,2-Dichloropropane

Concen: 23.96 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 63 Resp: 30186

Ion Ratio Lower Upper

63 100

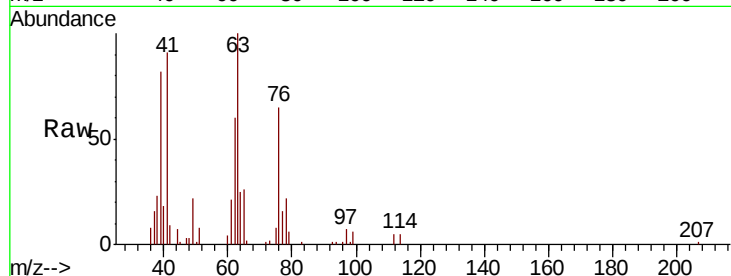
65 26.1 23.8 35.6

Manual Integrations

APPROVED

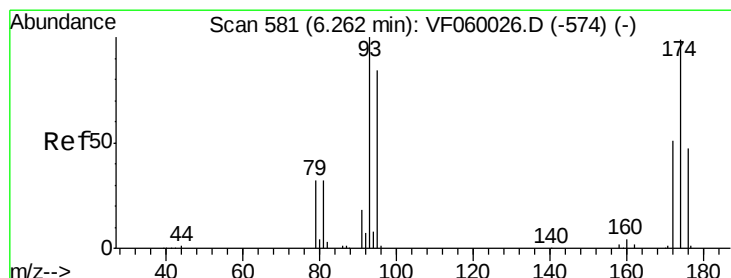
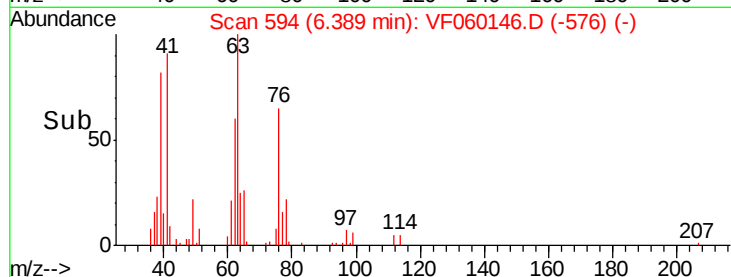
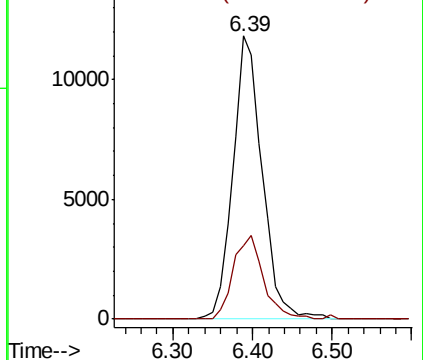
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 24.46 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

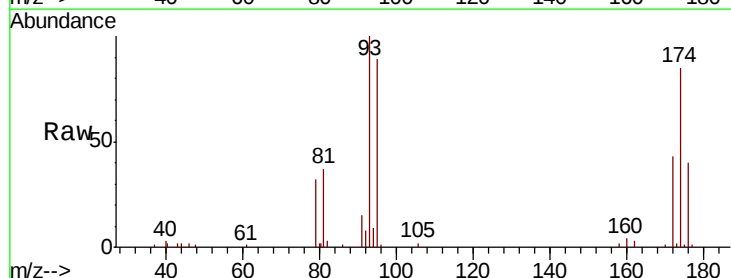
Tgt Ion: 93 Resp: 24107

Ion Ratio Lower Upper

93 100

95 90.4 67.1 100.7

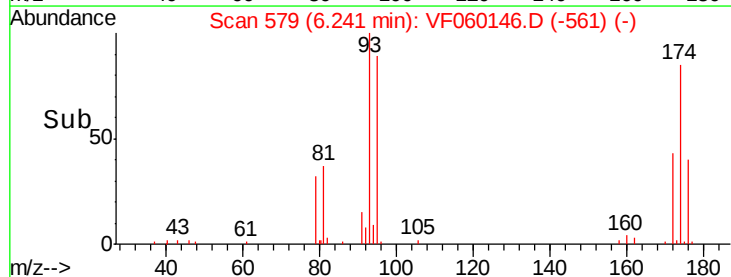
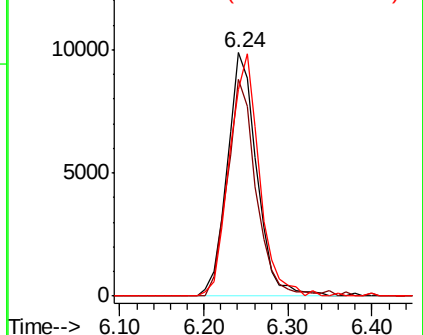
174 84.9 79.0 118.4

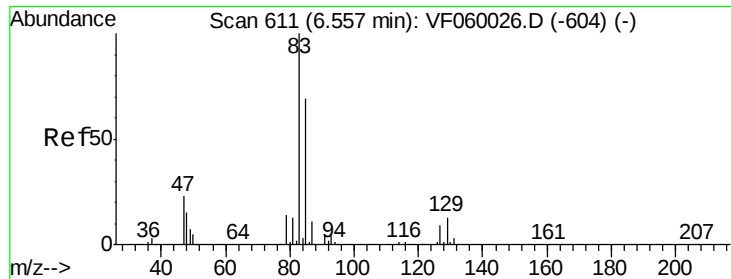


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 26.36 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

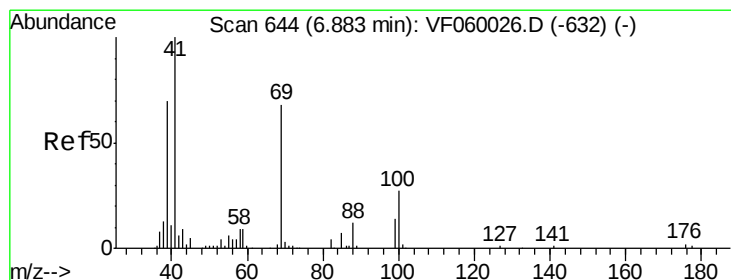
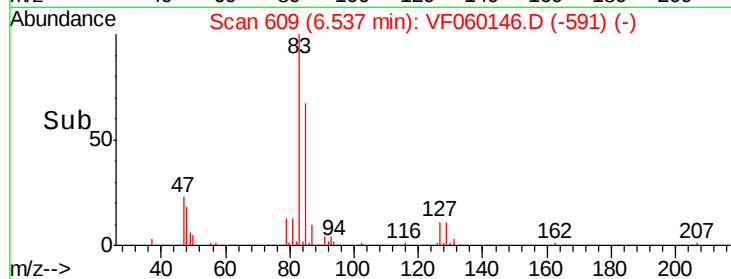
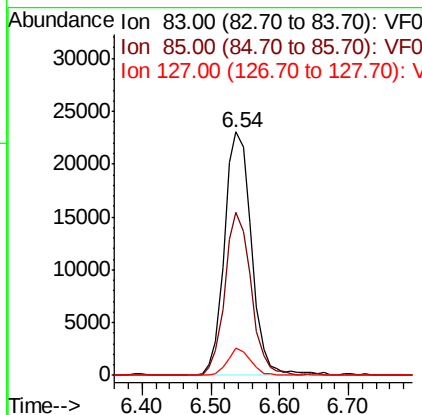
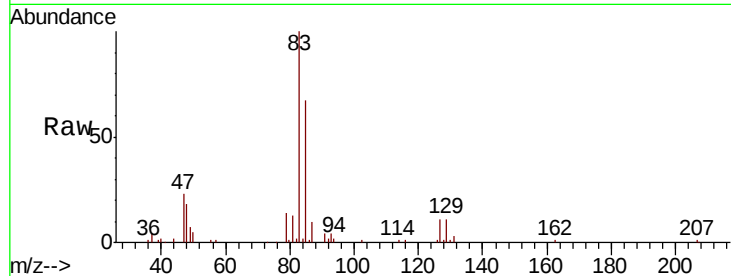
ClientSampleId :

VF0828SBS01

Tot Ion:	83	Resp:	62763
Ion	Ratio	Lower	Upper
83	100		
85	67.1	55.2	82.8
127	11.1	7.3	10.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.64 ug/l

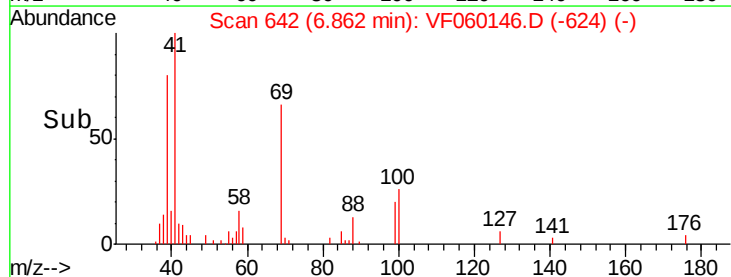
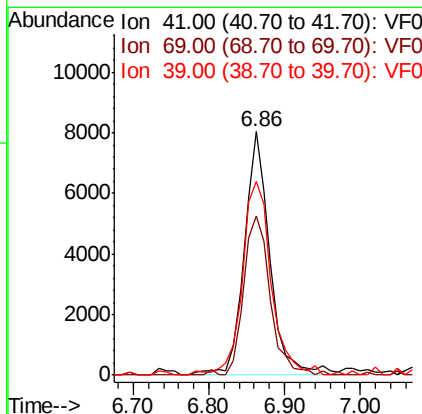
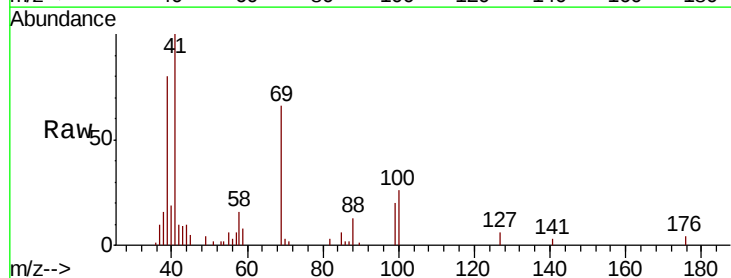
RT: 6.86 min Scan# 642

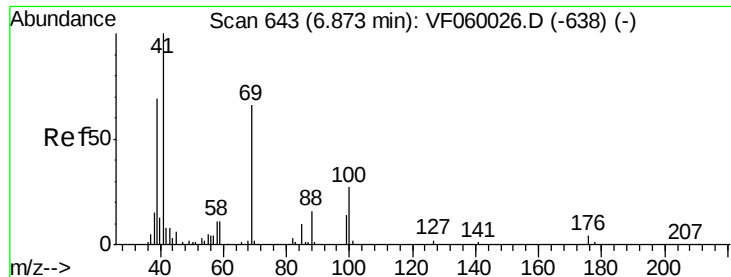
Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:	41	Resp:	18931
Ion	Ratio	Lower	Upper
41	100		
69	65.6	54.6	81.8
39	79.7	56.5	84.7





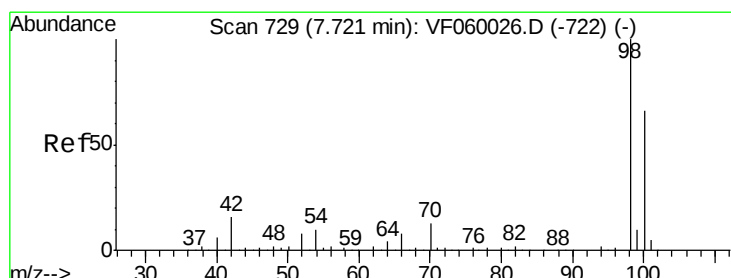
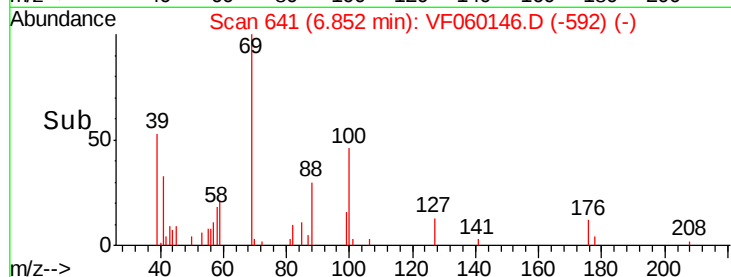
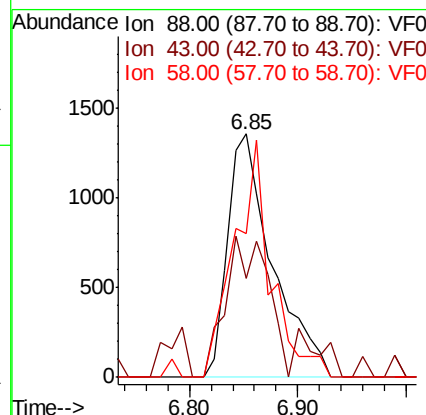
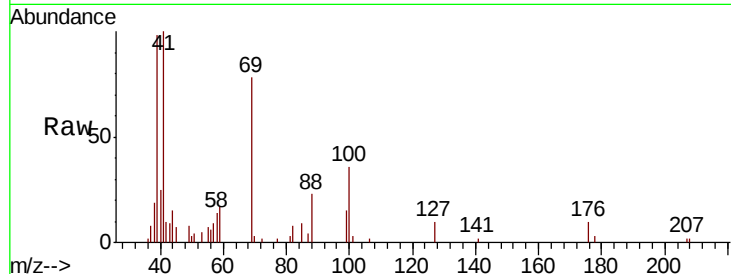
#49
1,4-Dioxane
Concen: 400.40 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	40.4	46.5	69.7#	
58	59.1	54.8	82.2	

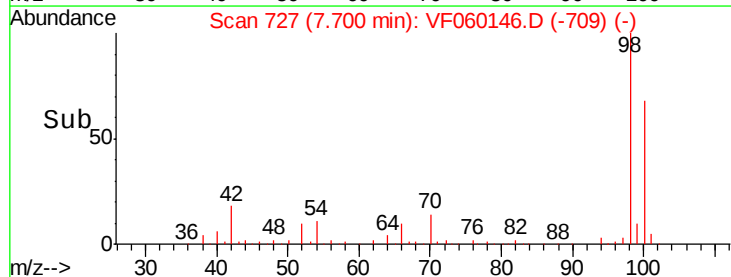
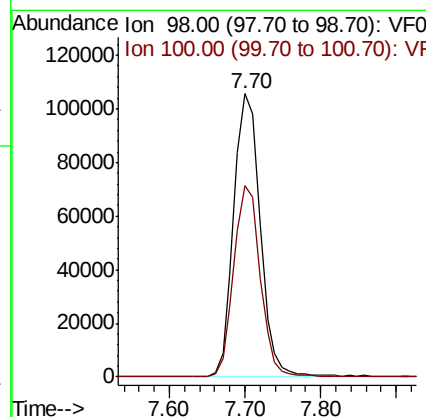
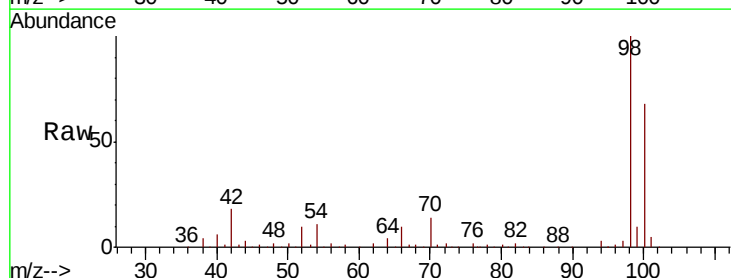
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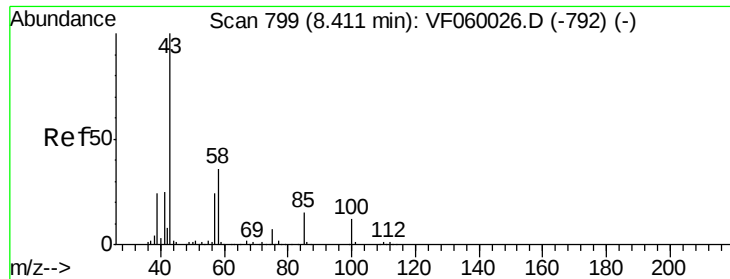
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#50
Toluene-d8
Concen: 52.98 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	67.6	53.2	79.8	





#51

4-Methyl-2-Pentanone

Concen: 109.15 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 43 Resp: 144642

Ion Ratio Lower Upper

43 100

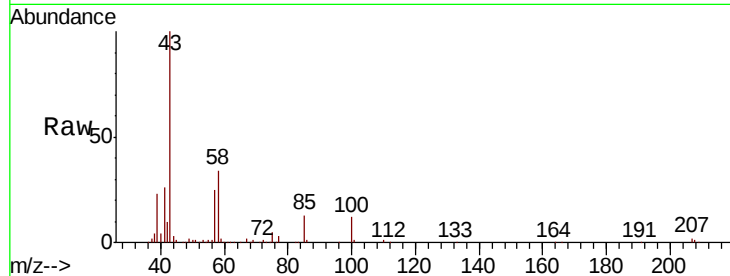
58 34.4 28.6 42.8

Manual Integrations

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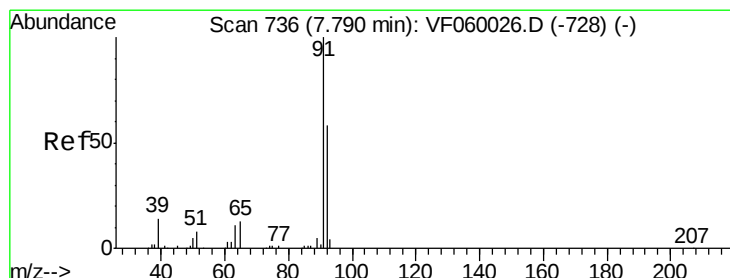
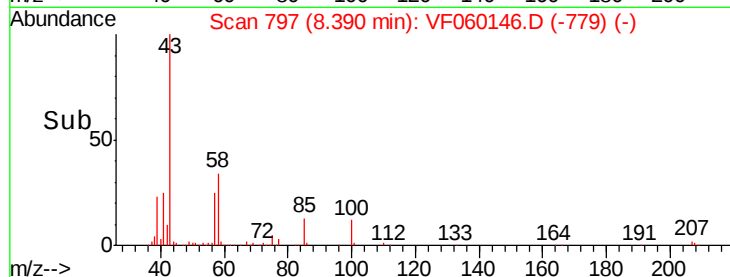
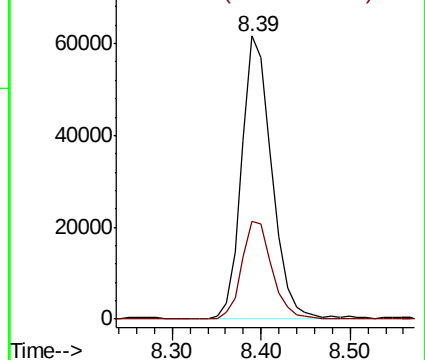
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 25.25 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060146.D

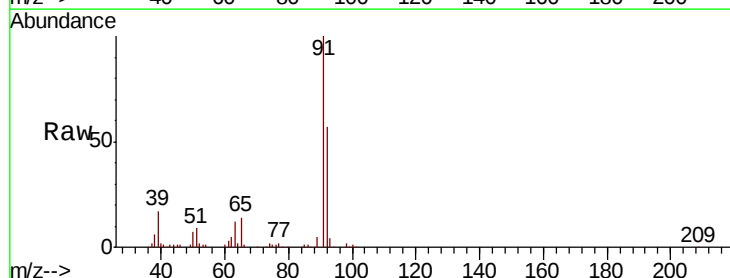
Acq: 28 Aug 2018 13:33

Tgt Ion: 92 Resp: 79306

Ion Ratio Lower Upper

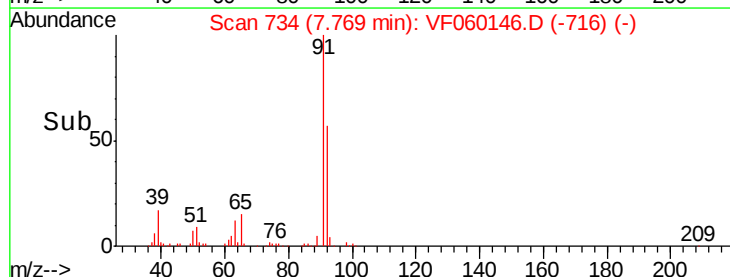
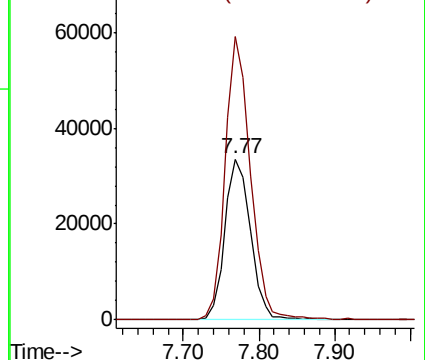
92 100

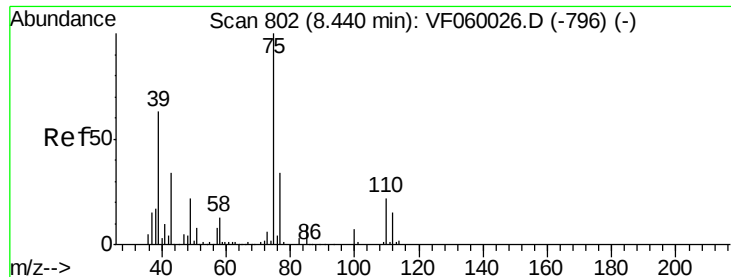
91 176.4 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 26.24 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 75 Resp: 56656

Ion Ratio Lower Upper

75 100

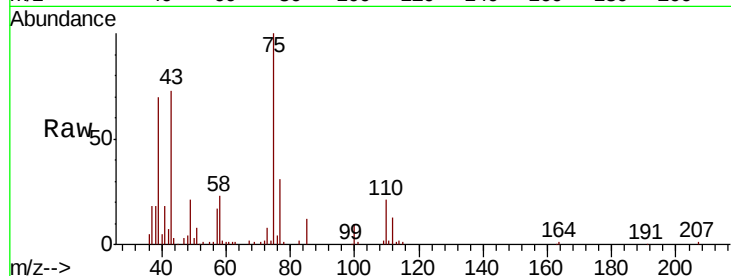
77 31.1 27.4 41.2

Manual Integrations

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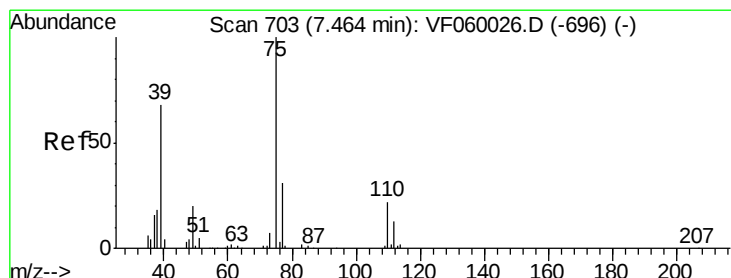
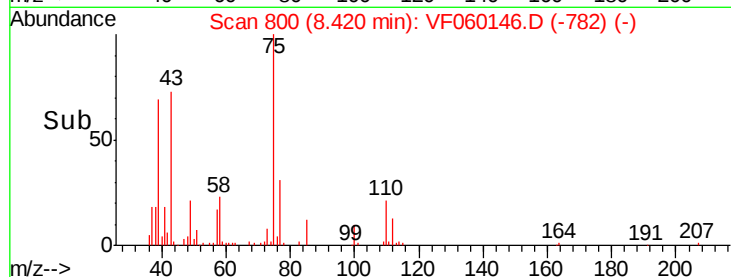
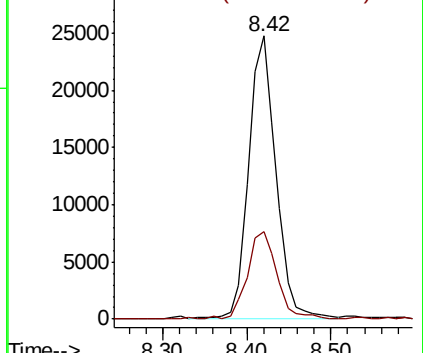
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 22.56 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

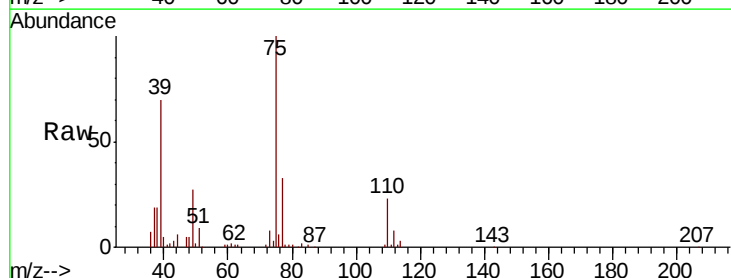
Tgt Ion: 75 Resp: 54366

Ion Ratio Lower Upper

75 100

77 33.2 24.6 37.0

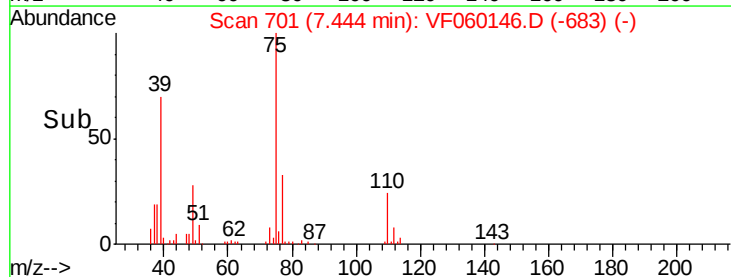
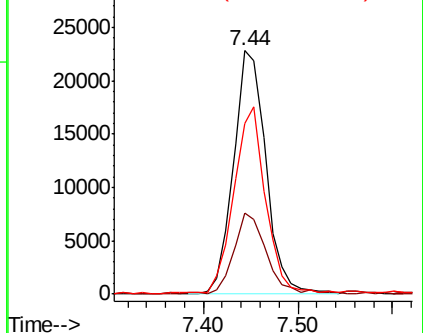
39 69.9 54.6 81.8

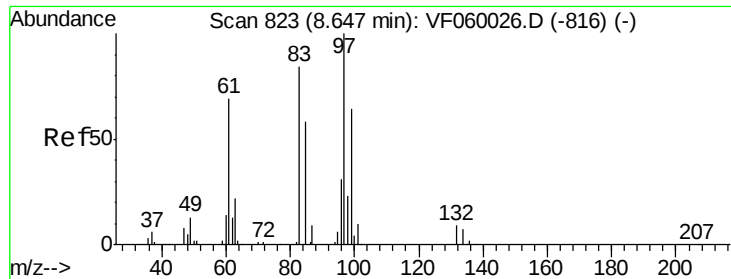


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.57 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

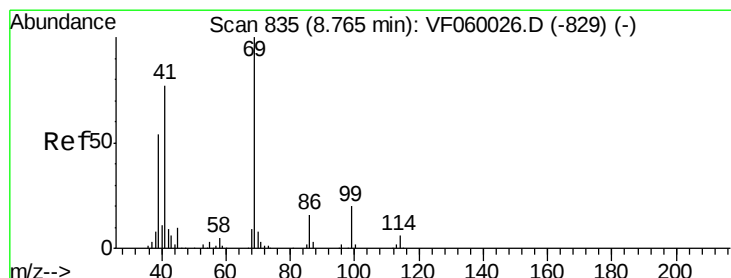
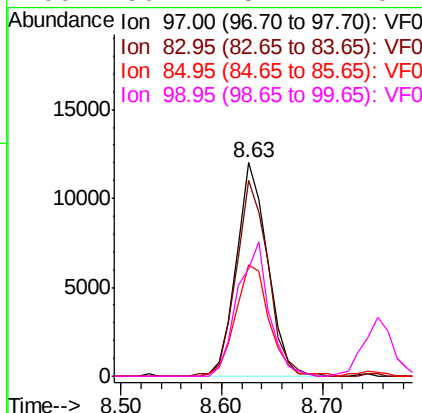
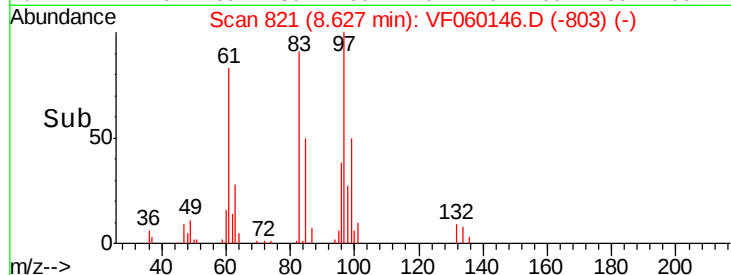
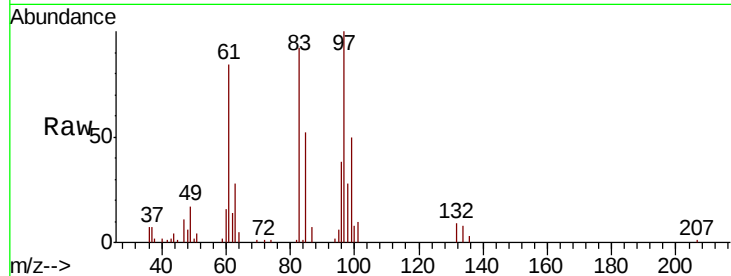
ClientSampleId :

VF0828SBS01

Tot Ion:	97	Resp:	25914
Ion	Ratio	Lower	Upper
97	100		
83	91.6	67.4	101.2
85	52.1	46.2	69.2
99	50.4	51.1	76.7#

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#56

Ethyl methacrylate

Concen: 21.51 ug/l

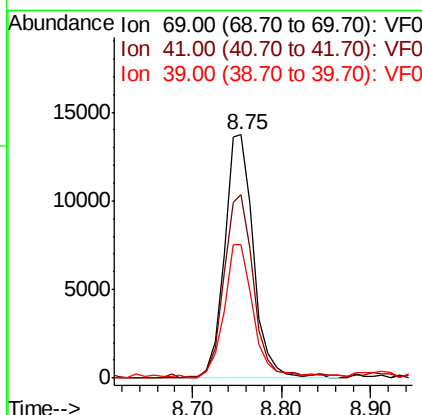
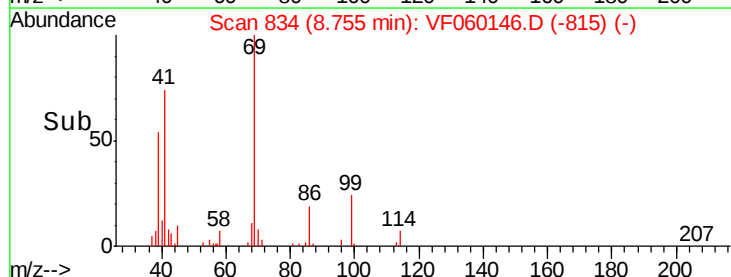
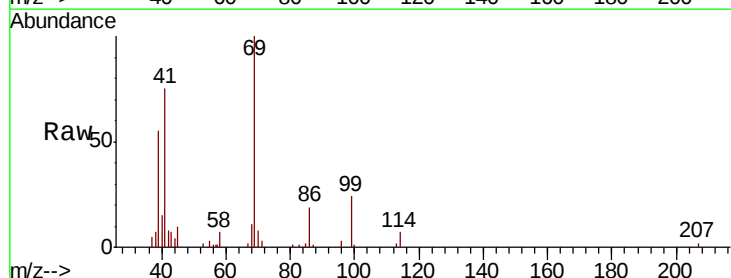
RT: 8.75 min Scan# 834

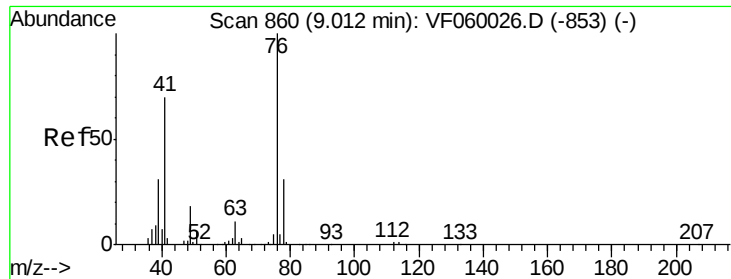
Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:	69	Resp:	31279
Ion	Ratio	Lower	Upper
69	100		
41	75.5	61.6	92.4
39	54.9	43.9	65.9





#57

1,3-Dichloropropane

Concen: 22.98 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 76 Resp: 48538

Ion Ratio Lower Upper

76 100

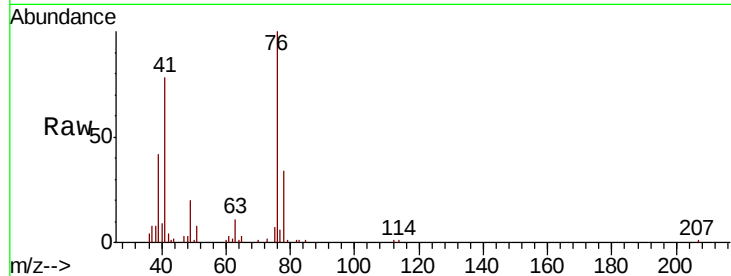
78 33.7 25.2 37.8

Manual Integrations

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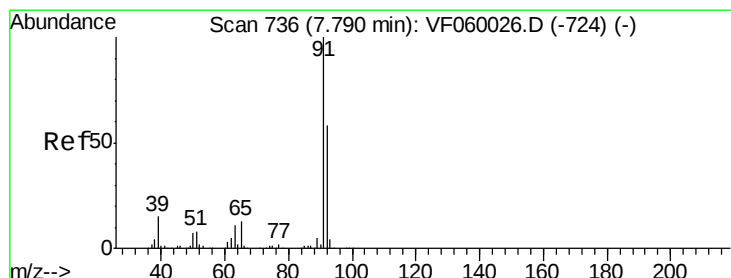
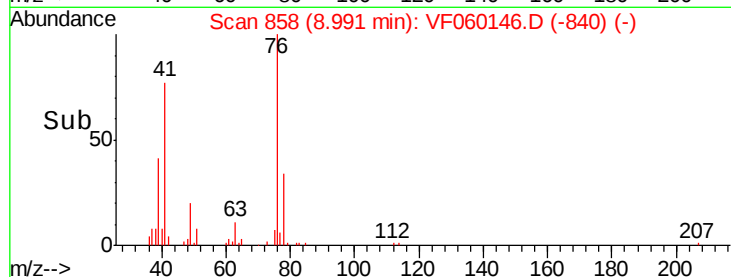
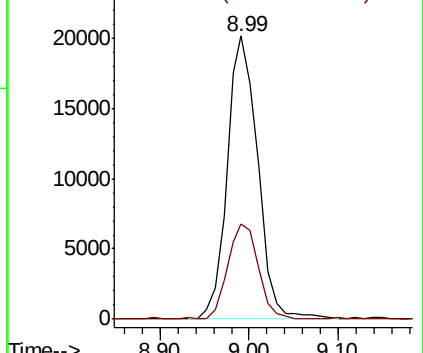
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 144.12 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060146.D

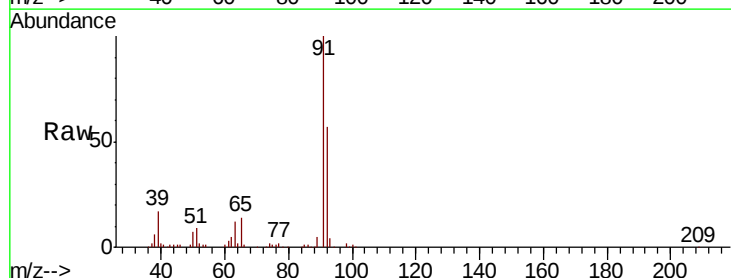
Acq: 28 Aug 2018 13:33

Tgt Ion: 63 Resp: 16639

Ion Ratio Lower Upper

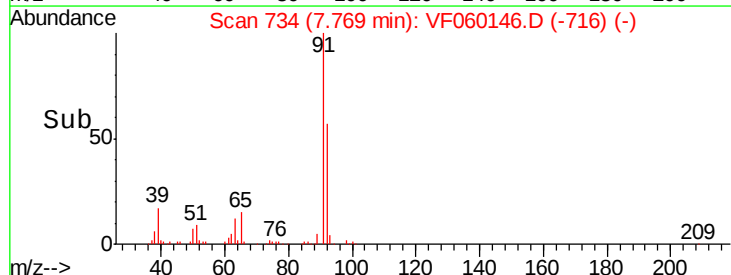
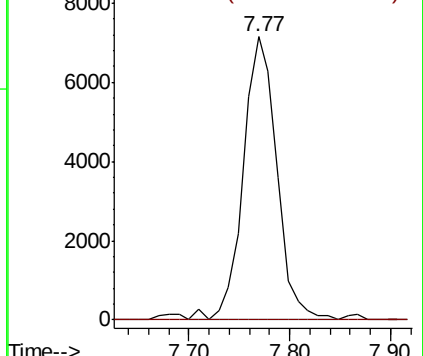
63 100

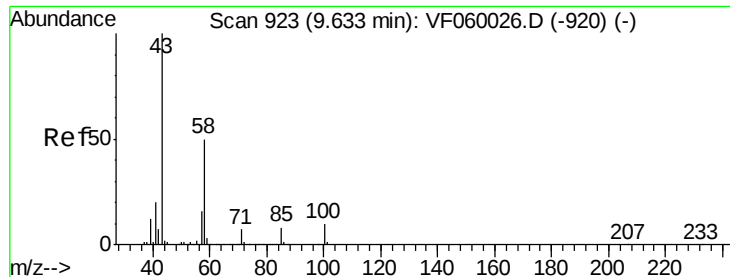
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





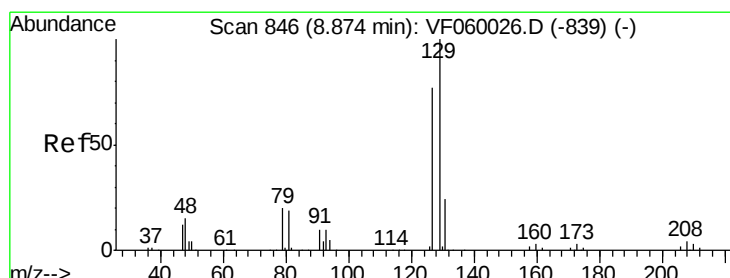
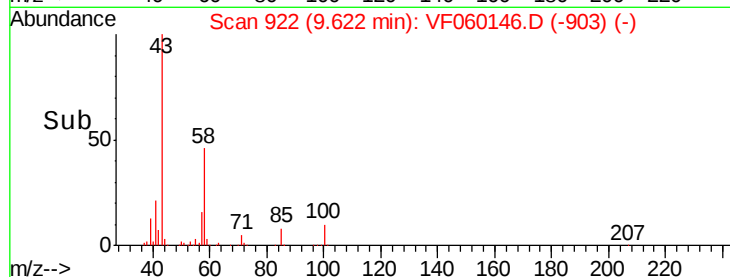
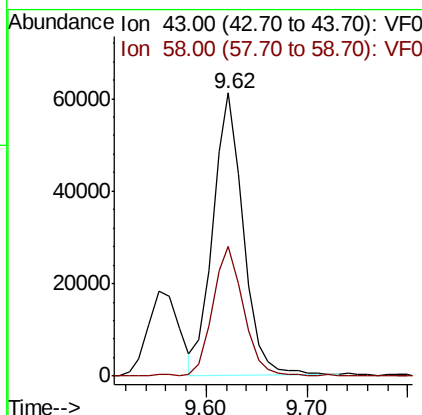
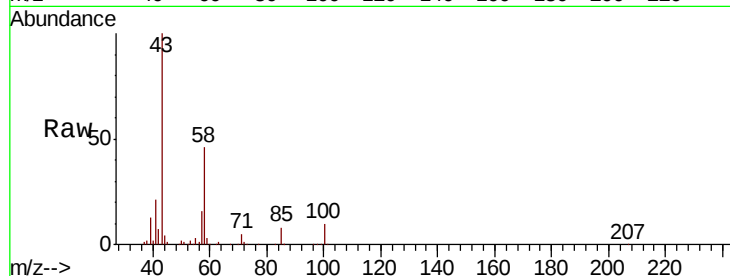
#59
2-Hexanone
Concen: 118.80 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion: 43 Resp: 127418
Ion Ratio Lower Upper
43 100
58 45.7 23.4 70.2

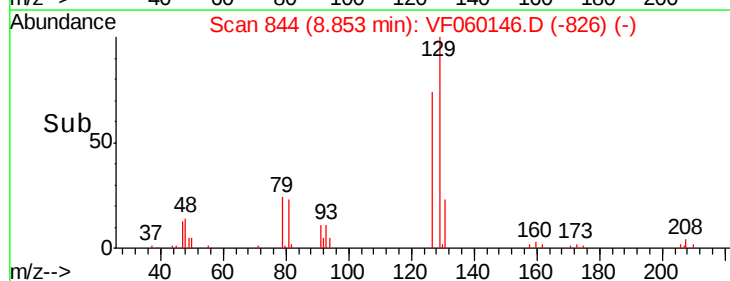
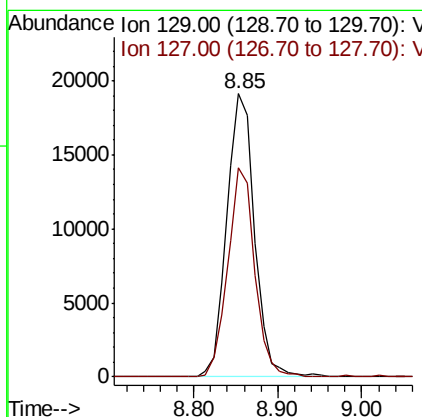
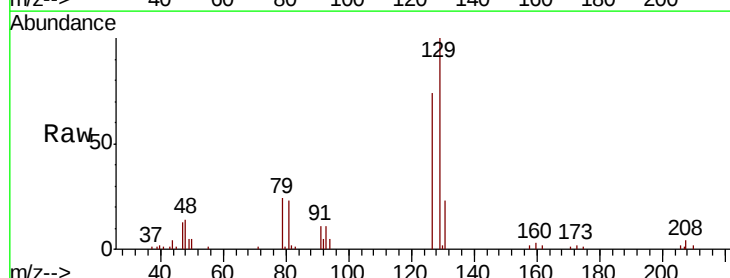
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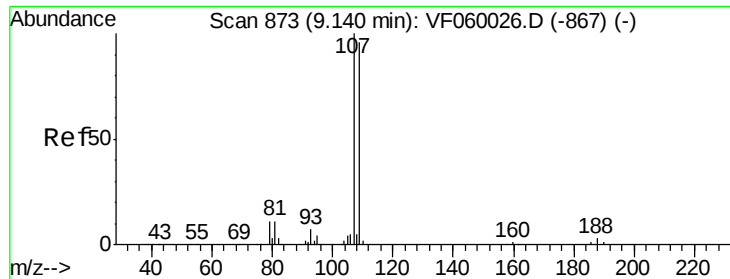
apatel
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#60
Dibromochloromethane
Concen: 24.66 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion: 129 Resp: 43738
Ion Ratio Lower Upper
129 100
127 73.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 25.20 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion:107 Resp: 35556

Ion Ratio Lower Upper

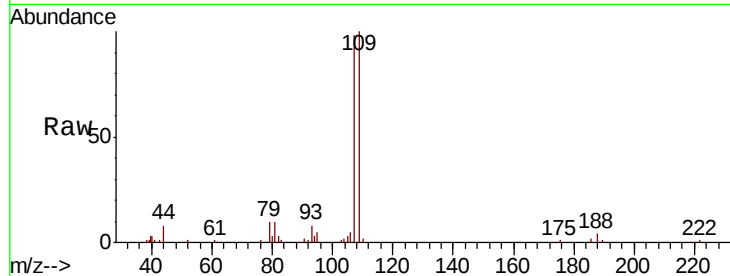
107 100

109 101.8 76.5 114.7

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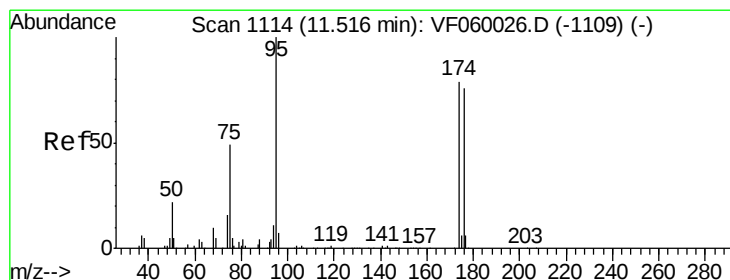
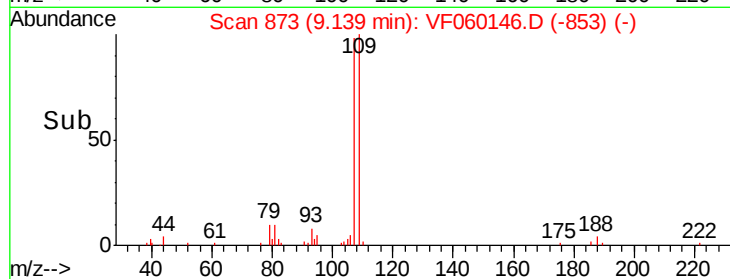
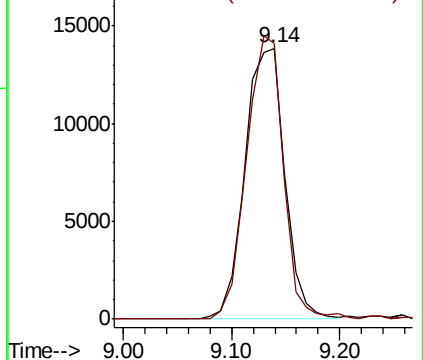
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 59.64 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

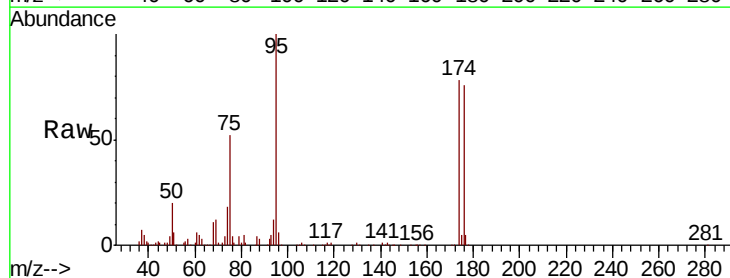
Tgt Ion: 95 Resp: 152629

Ion Ratio Lower Upper

95 100

174 77.9 0.0 158.4

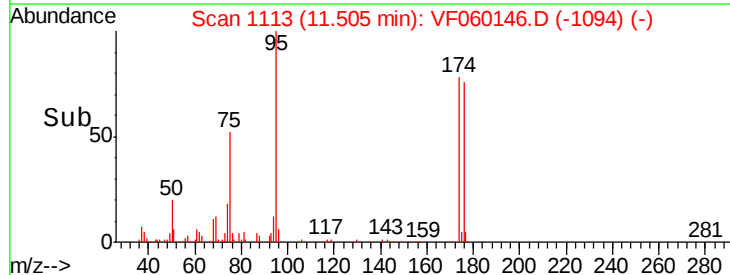
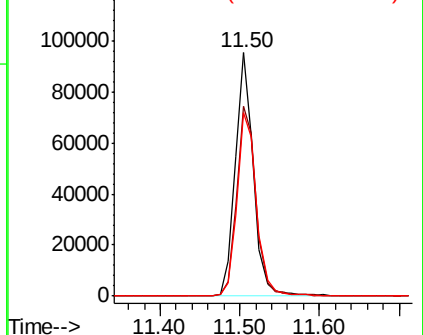
176 75.5 0.0 153.0

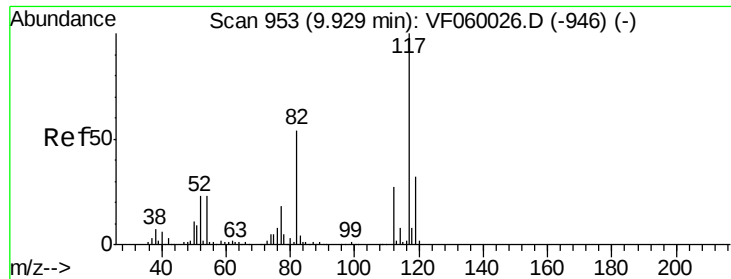


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





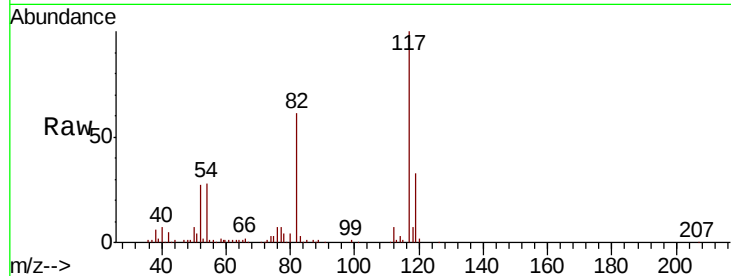
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	240195		
82	61.3	43.6	65.4	
119	33.4	25.6	38.4	

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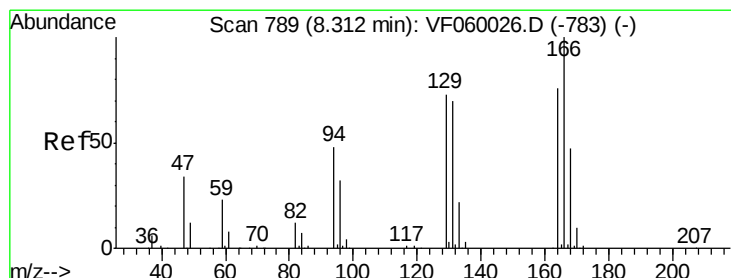
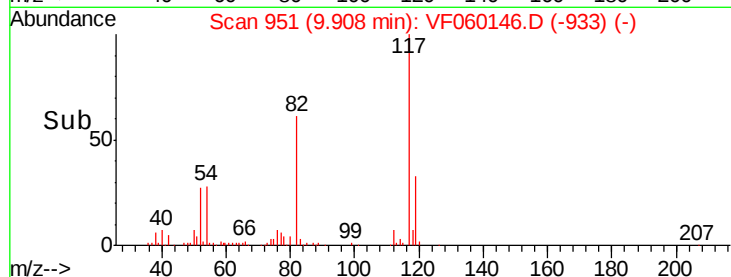
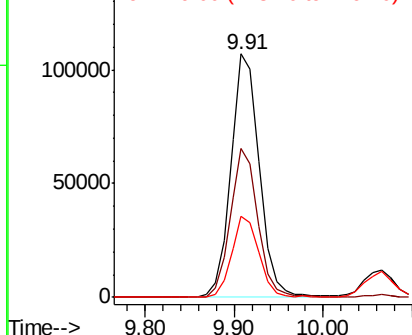


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 23.82 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38544		
166	136.0	104.7	157.1	
129	95.5	77.0	115.4	
131	91.3	72.9	109.3	

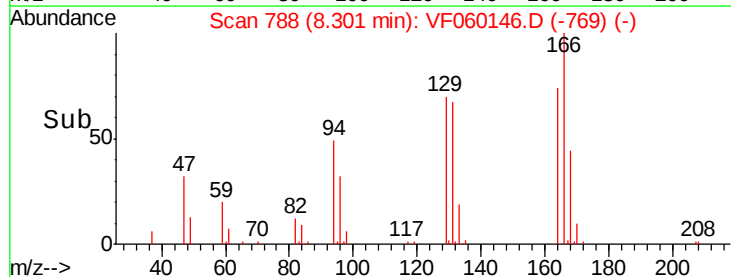
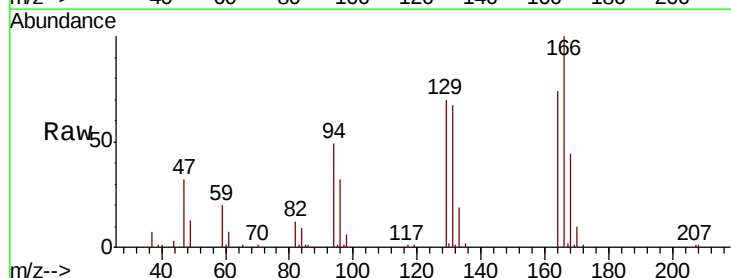
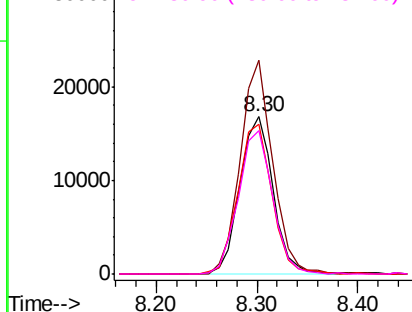
Abundance

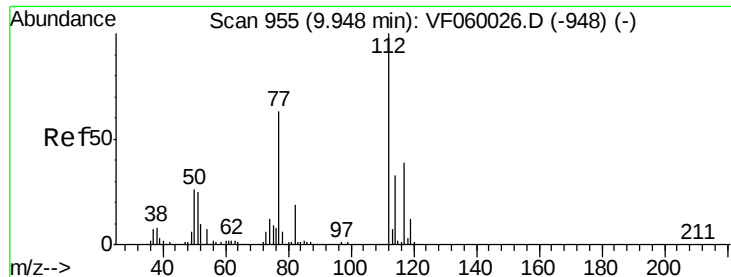
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 24.62 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion:112 Resp: 111667

Ion Ratio Lower Upper

112 100

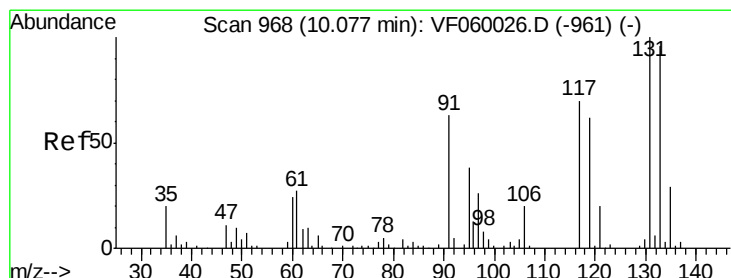
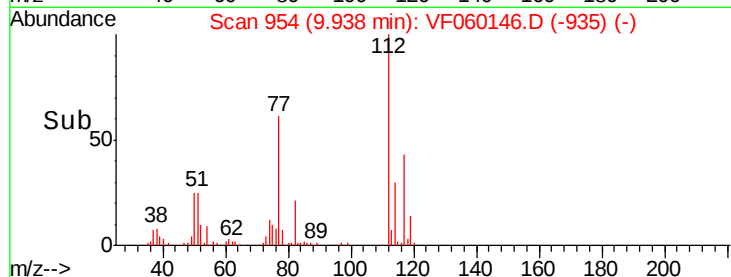
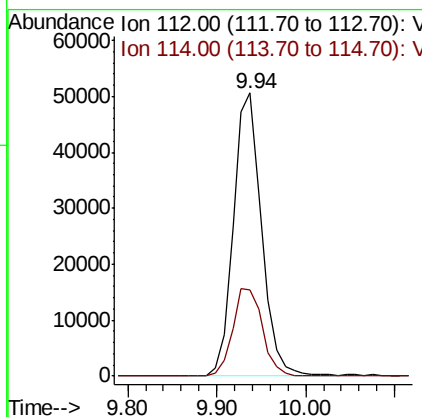
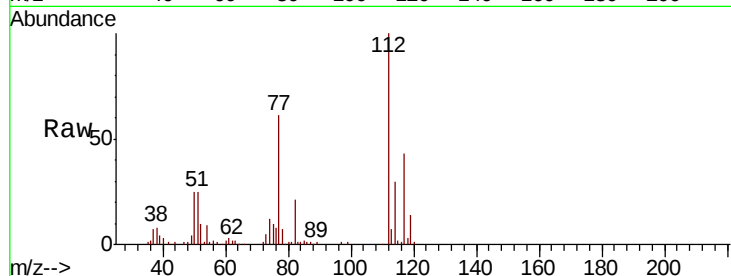
114 30.4 26.2 39.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 23.81 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

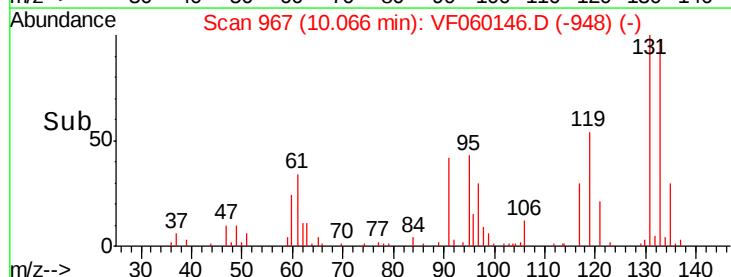
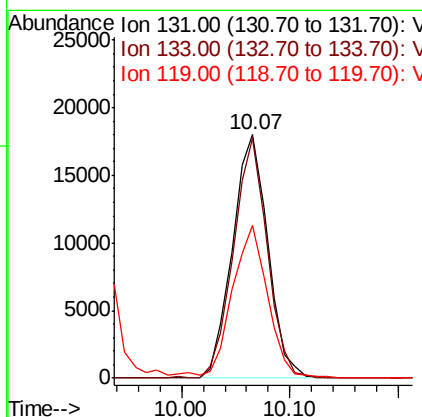
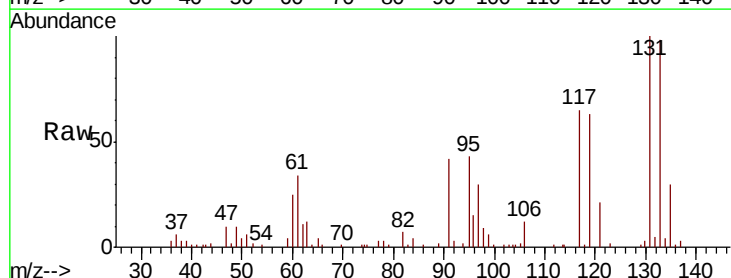
Tgt Ion:131 Resp: 40956

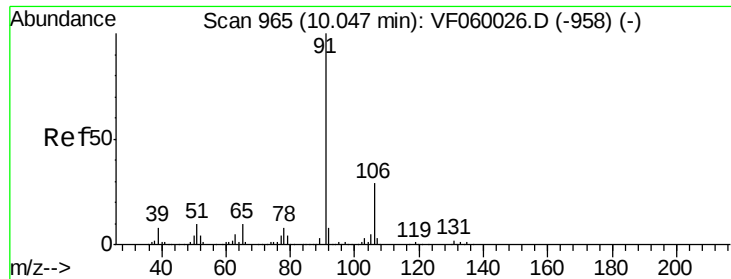
Ion Ratio Lower Upper

131 100

133 98.3 48.2 144.6

119 62.5 31.4 94.2





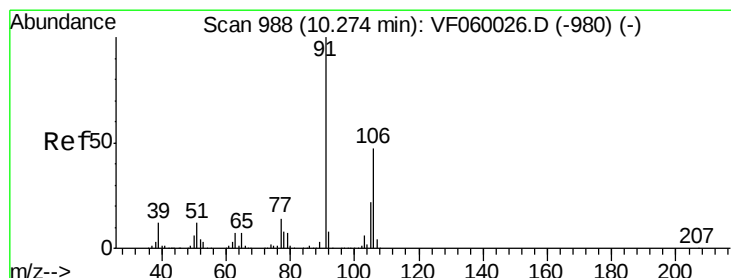
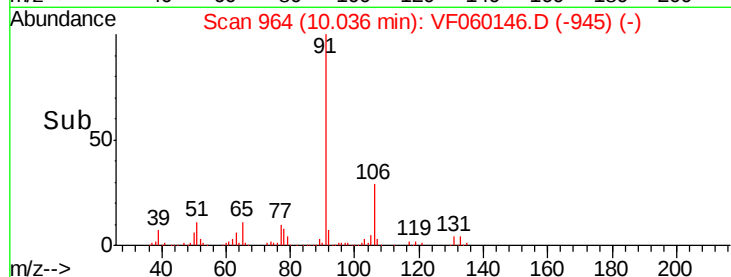
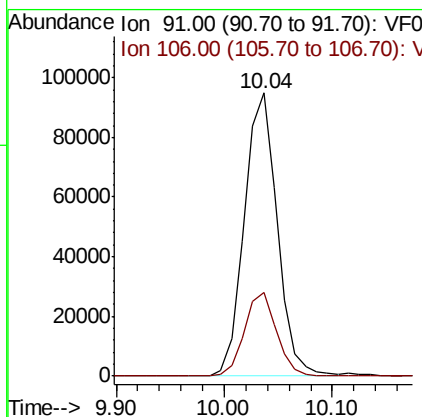
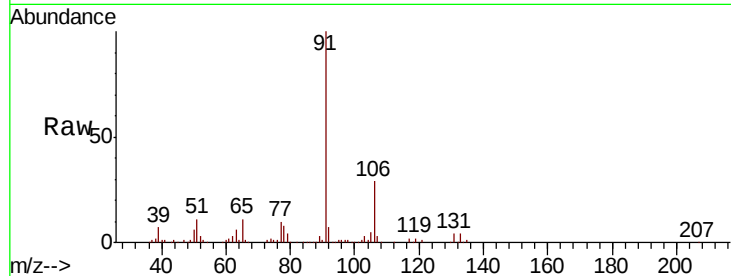
#67
Ethyl Benzene
Concen: 25.69 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion: 91 Resp: 201088
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4

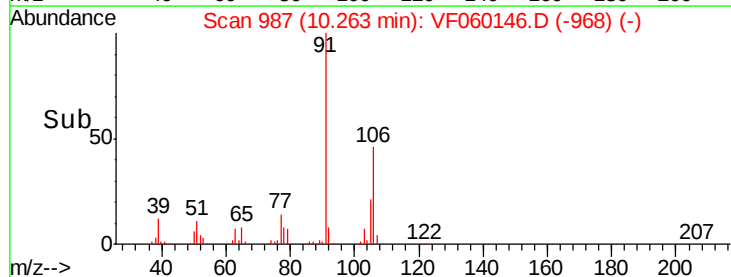
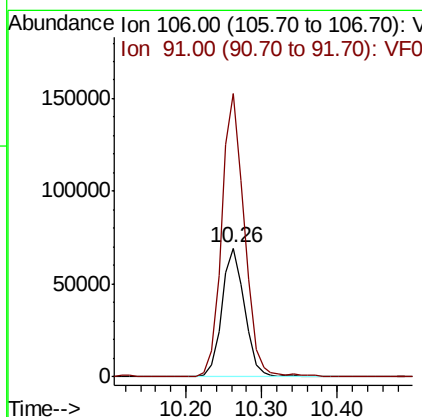
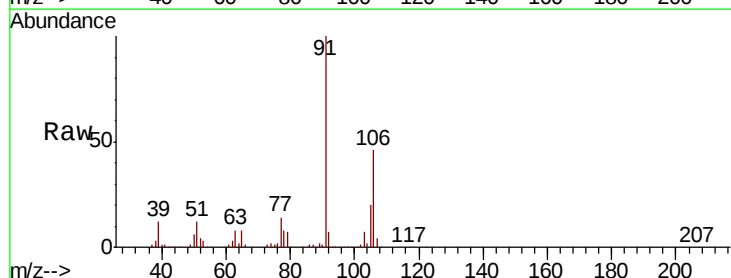
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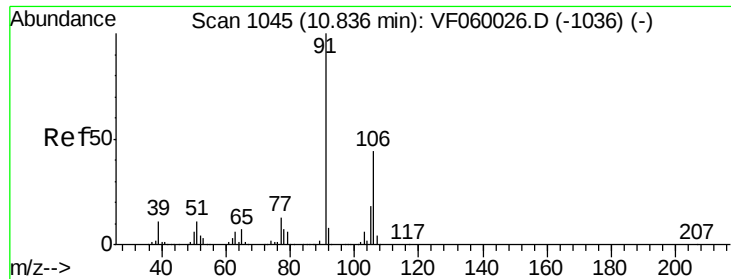
apatel
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#68
m/p-Xylenes
Concen: 52.15 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion: 106 Resp: 145013
Ion Ratio Lower Upper
106 100
91 219.2 171.8 257.8





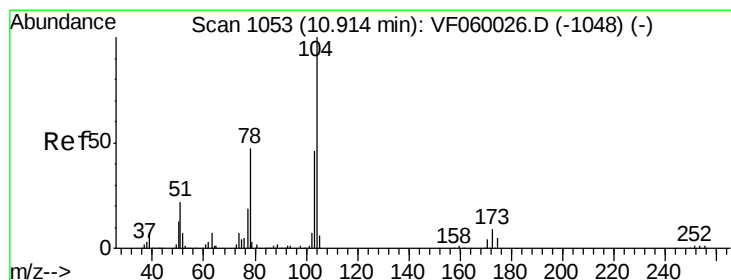
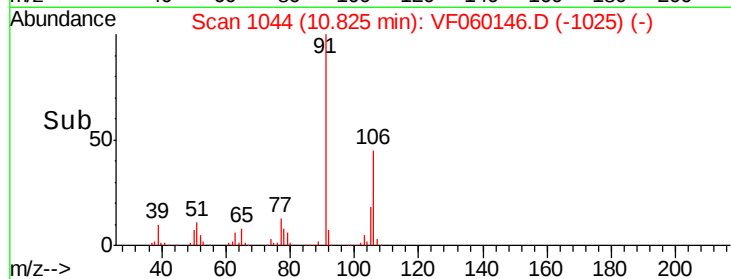
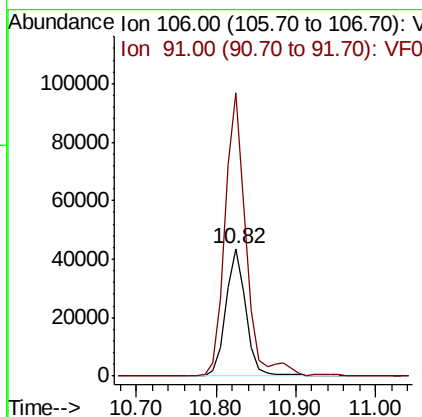
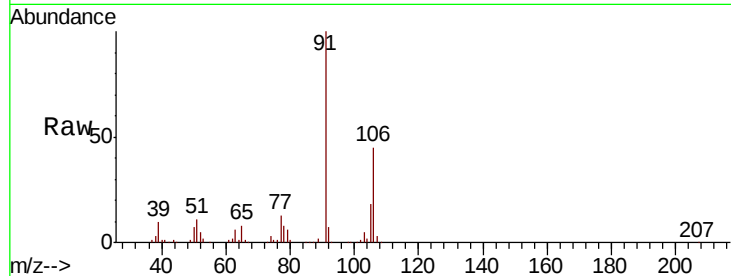
#69
o-Xylene
Concen: 25.16 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	222.1	112.5	337.5	

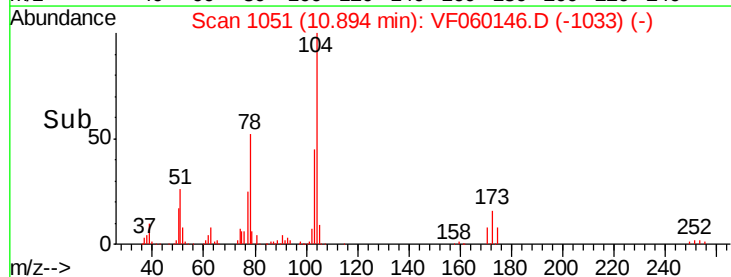
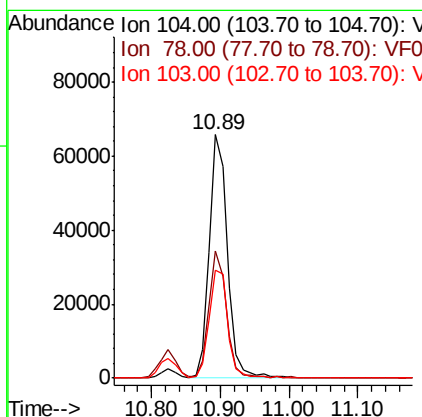
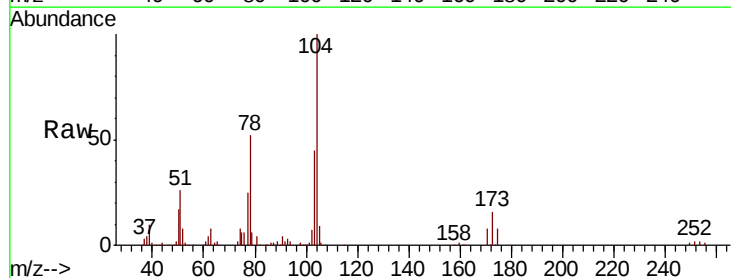
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#70
Styrene
Concen: 25.75 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.2	38.0	57.0	
103	44.6	37.6	56.4	





#71

Bromoform

Concen: 22.71 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion:173 Resp: 27260

Ion Ratio Lower Upper

173 100

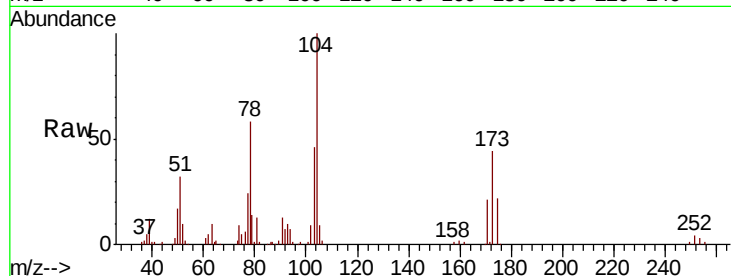
175 50.6 24.7 74.1

254 0.0 0.0 0.0

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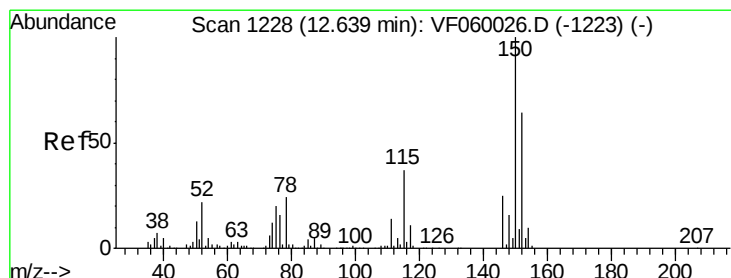
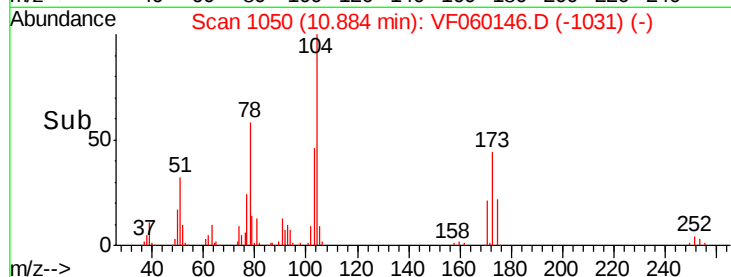
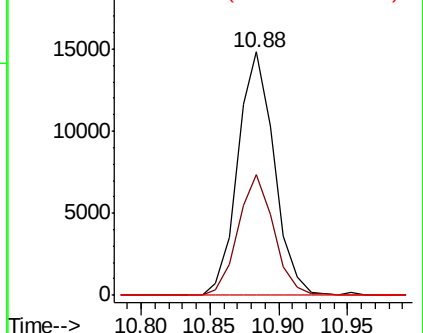
8/29/2018 11:03:29 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

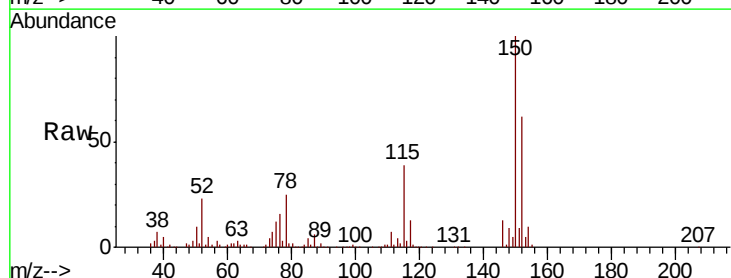
Tgt Ion:152 Resp: 150657

Ion Ratio Lower Upper

152 100

115 62.6 28.6 85.9

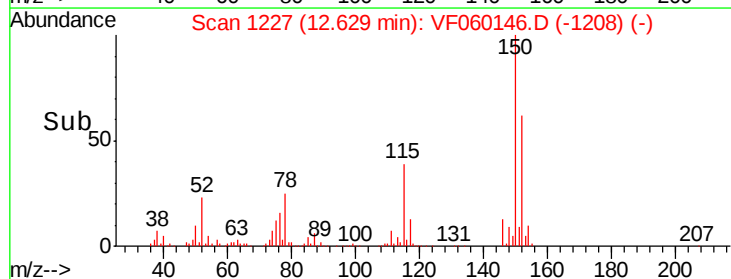
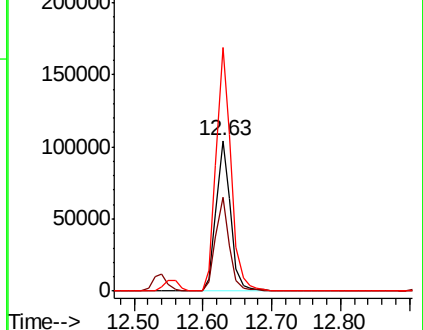
150 162.0 0.0 312.0

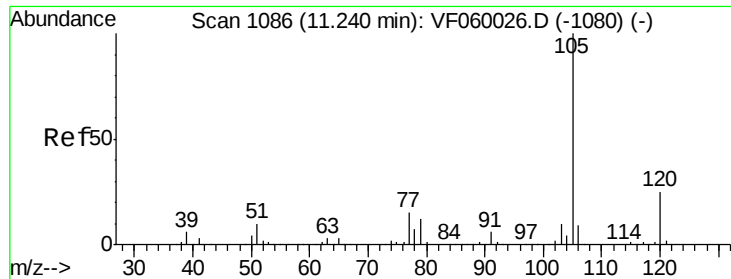


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 25.70 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 105 Resp: 233035

Ion Ratio Lower Upper

105 100

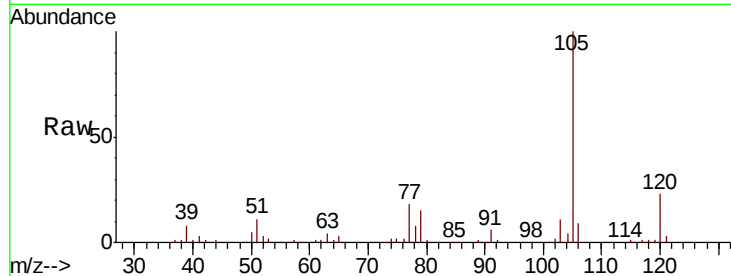
120 22.9 12.7 38.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

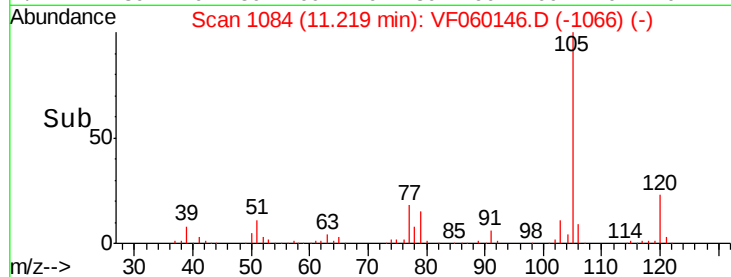
150000

110000

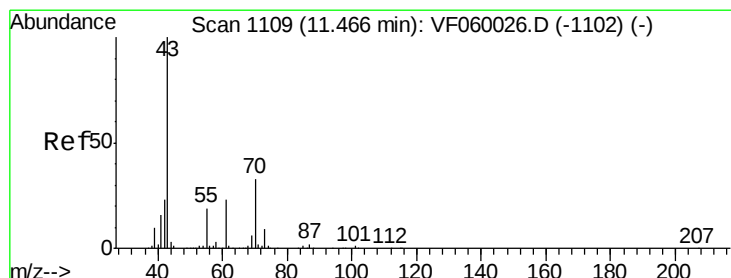
50000

0

Time-->



Time-->



#74

N-ethyl acetate

Concen: 20.39 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion: 43 Resp: 57476

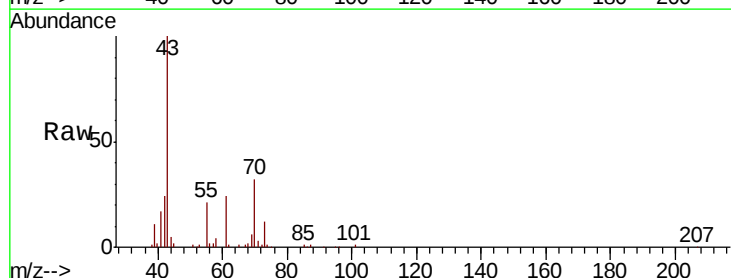
Ion Ratio Lower Upper

43 100

70 31.7 26.4 39.6

55 21.0 15.0 22.4

61 23.9 18.4 27.6



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

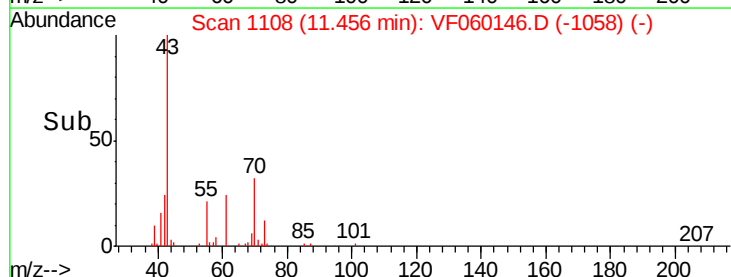
30000

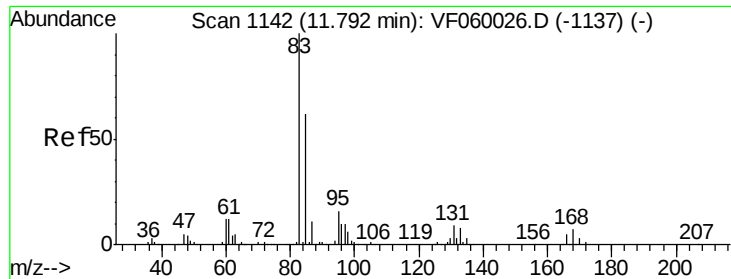
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.33 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

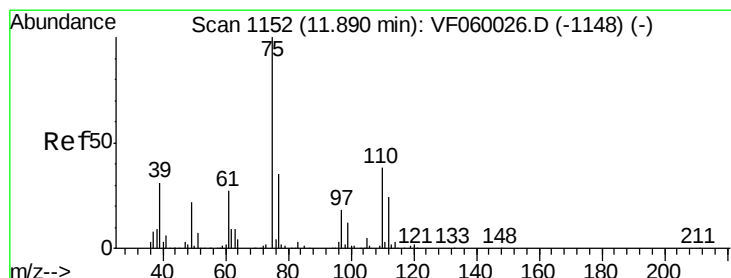
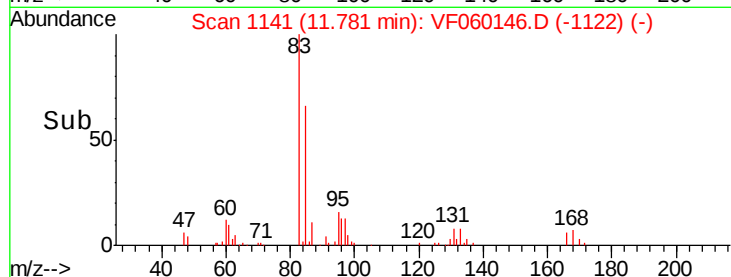
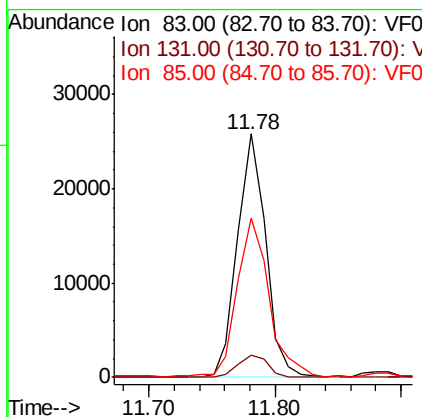
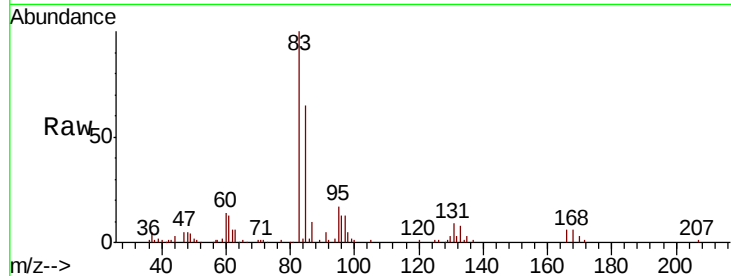
ClientSampleId :

VF0828SBS01

Tot Ion:	83	Resp:	40268
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.7
85	65.4	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 20.82 ug/l

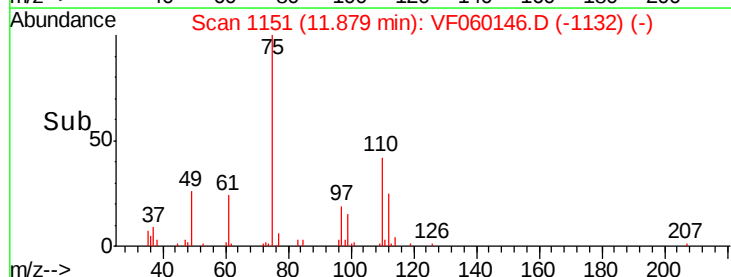
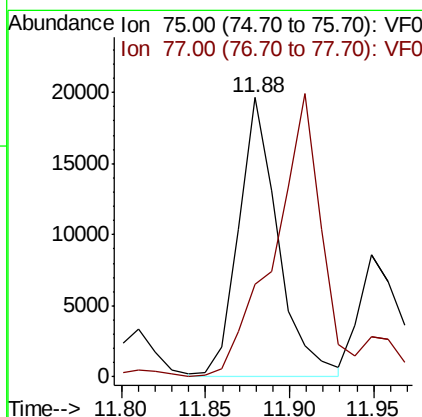
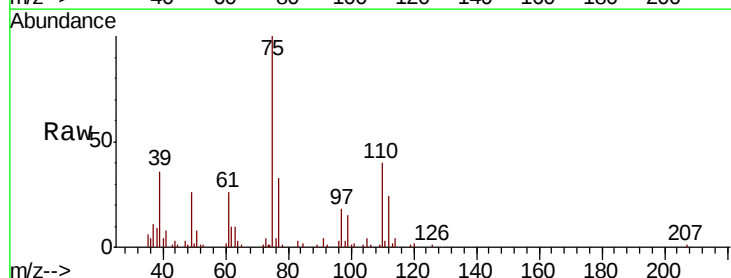
RT: 11.88 min Scan# 1151

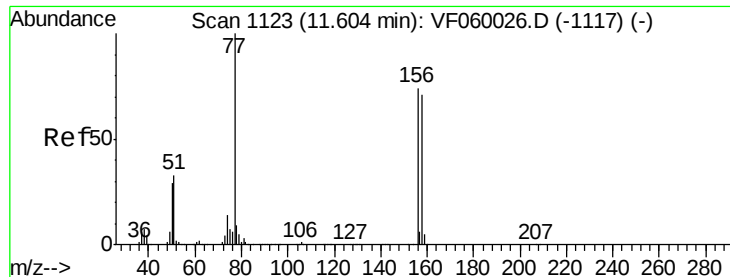
Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:	75	Resp:	31975
Ion Ratio	Lower	Upper	
75	100		
77	33.4	17.3	52.0





#77

Bromobenzene

Concen: 24.82 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion:156 Resp: 61202

Ion Ratio Lower Upper

156 100

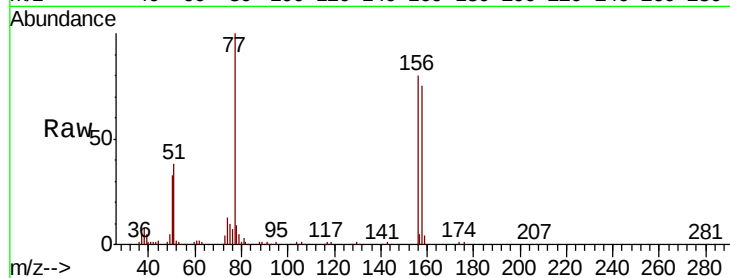
77 125.2 68.0 204.0

158 94.5 48.4 145.3

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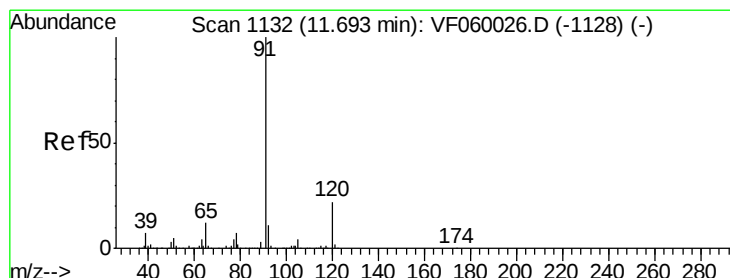
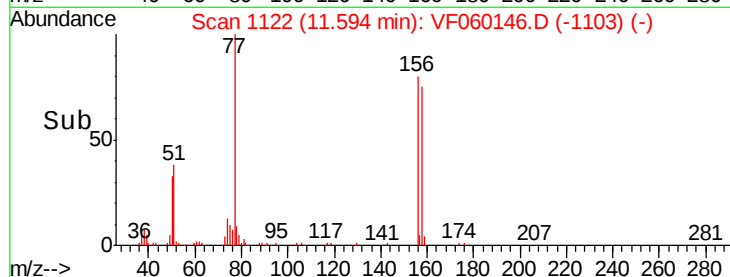
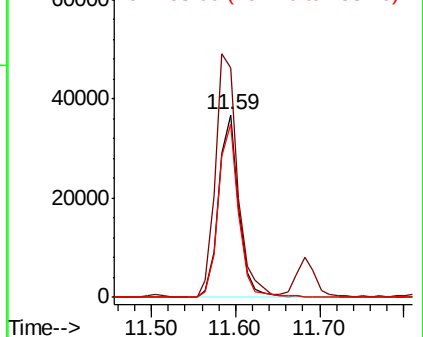
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 26.13 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060146.D

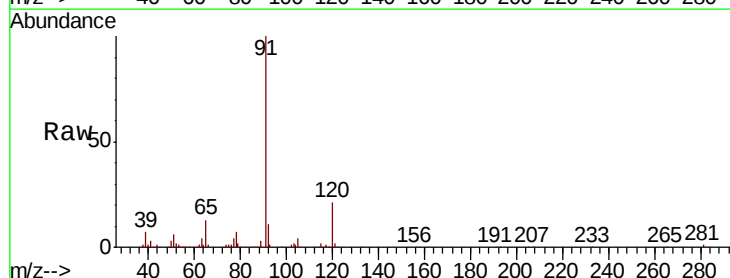
Acq: 28 Aug 2018 13:33

Tgt Ion: 91 Resp: 292481

Ion Ratio Lower Upper

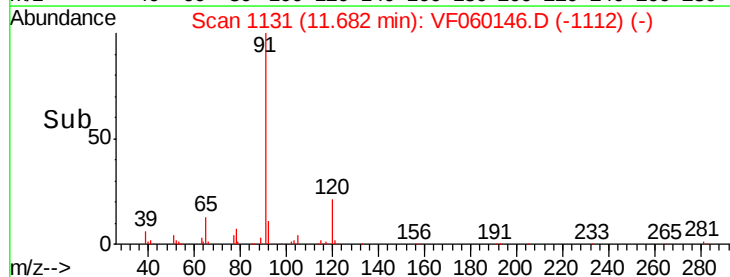
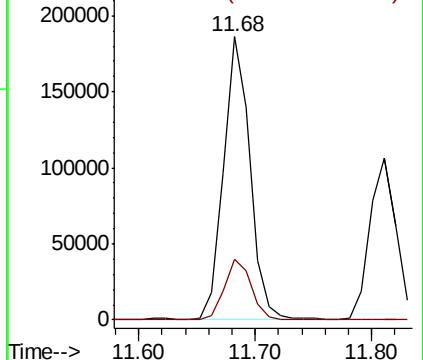
91 100

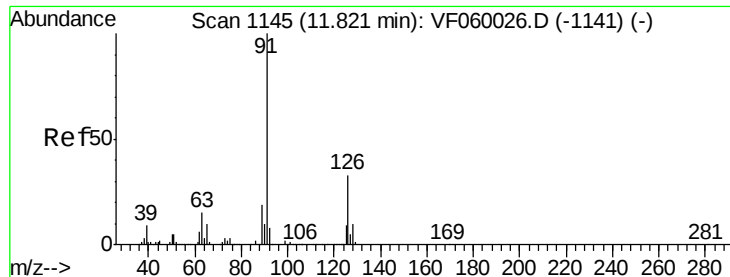
120 21.3 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





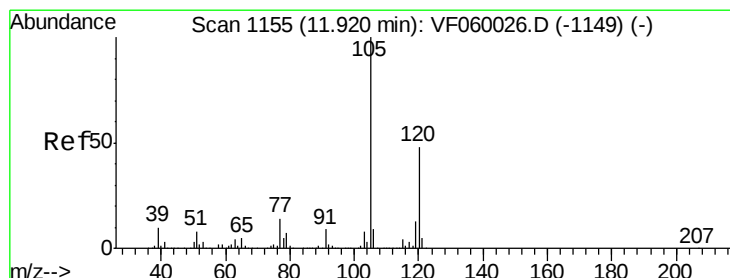
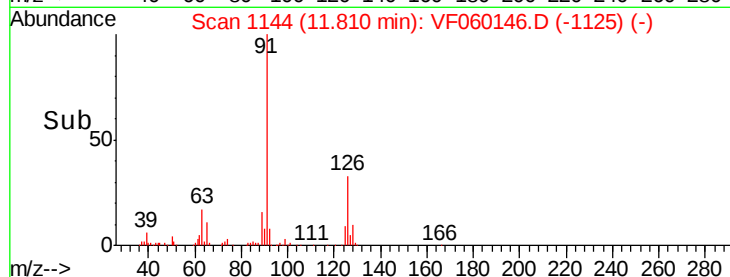
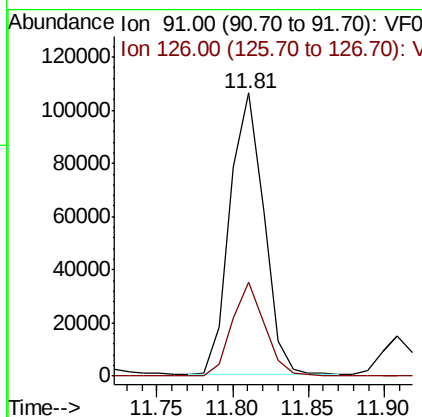
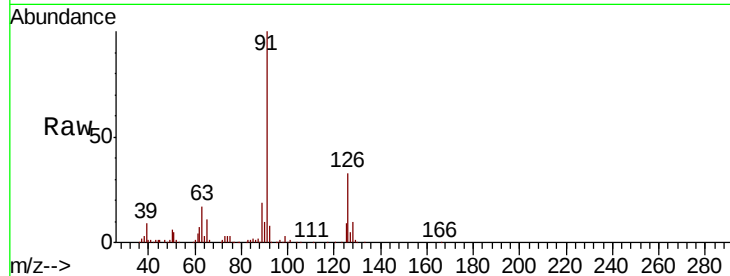
#79
 2-Chlorotoluene
 Concen: 25.26 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7

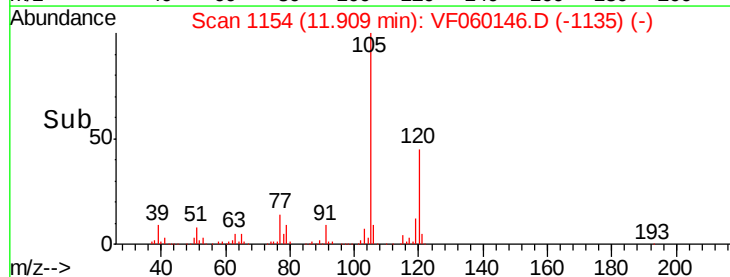
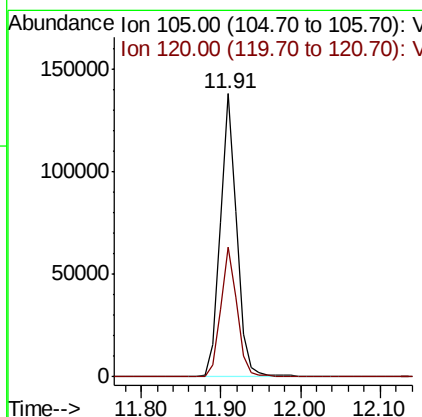
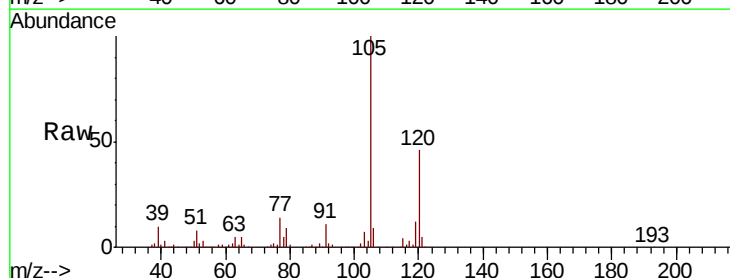
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#80
 1,3,5-Trimethylbenzene
 Concen: 25.59 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.8	71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.99 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

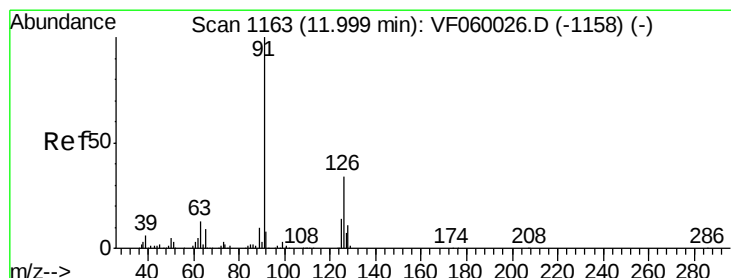
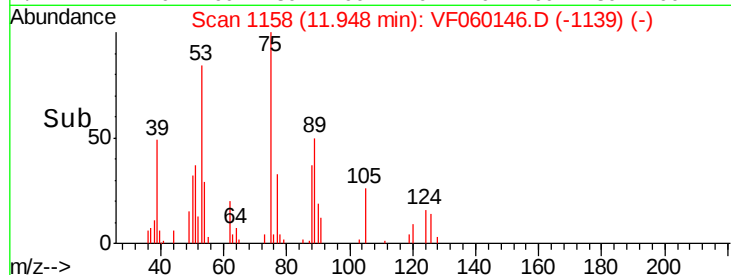
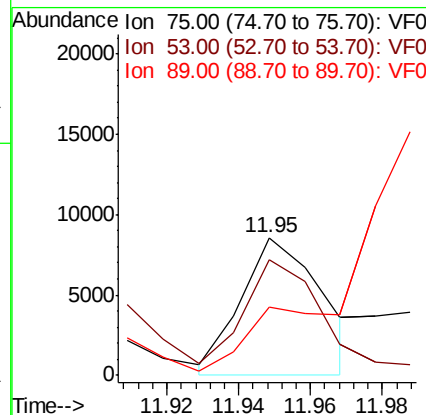
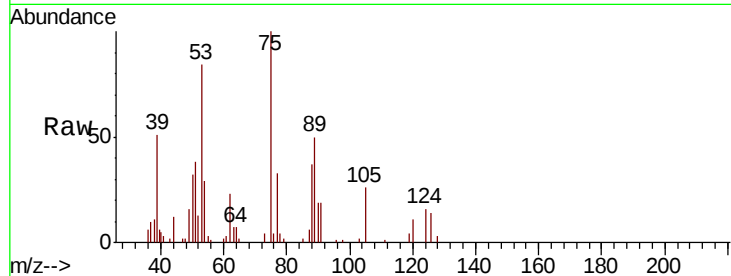
ClientSampleId :

VF0828SBS01

Tot Ion:	75	Resp:	13344
Ion Ratio	Lower	Upper	
75	100		
53	83.9	66.2	99.4
89	50.0	42.8	64.2

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#82

4-Chlorotoluene

Concen: 24.90 ug/l

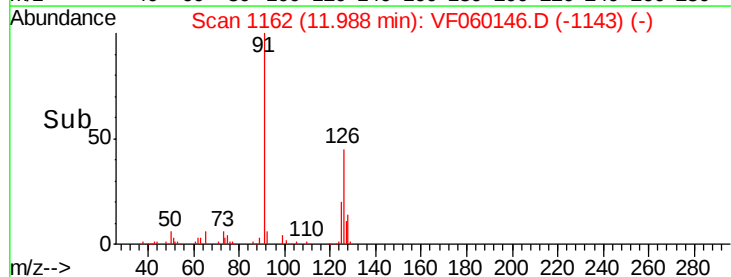
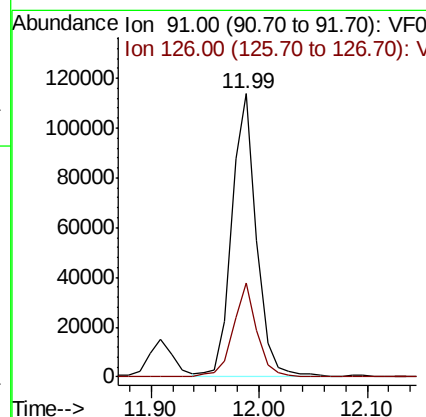
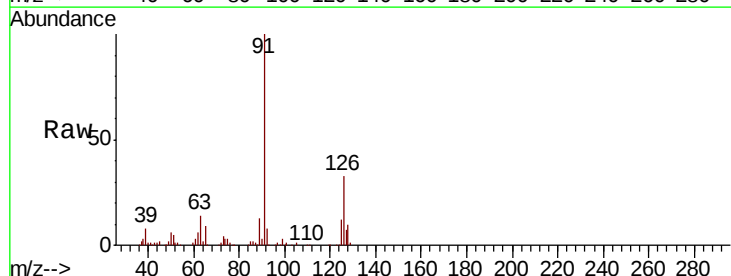
RT: 11.99 min Scan# 1162

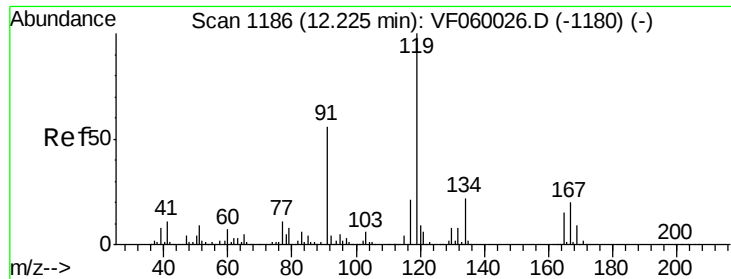
Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:	91	Resp:	177916
Ion Ratio	Lower	Upper	
91	100		
126	33.0	17.0	50.9





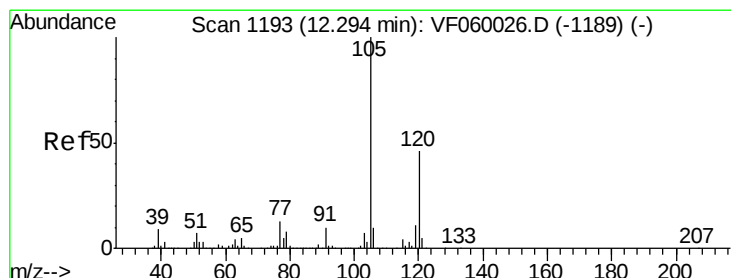
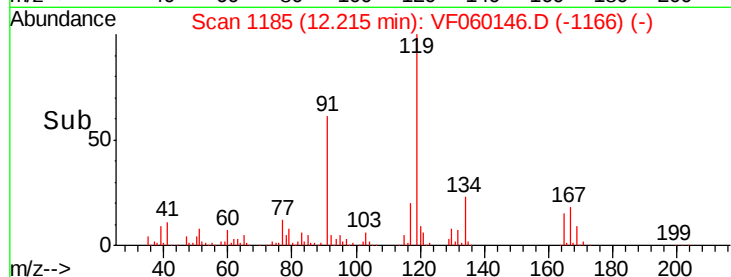
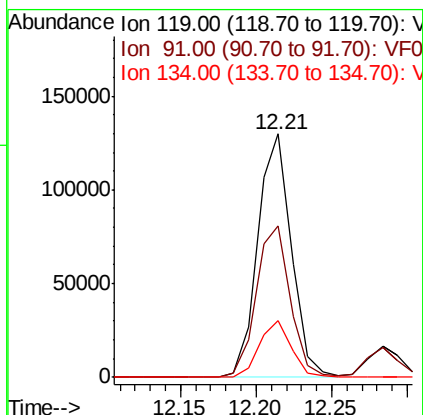
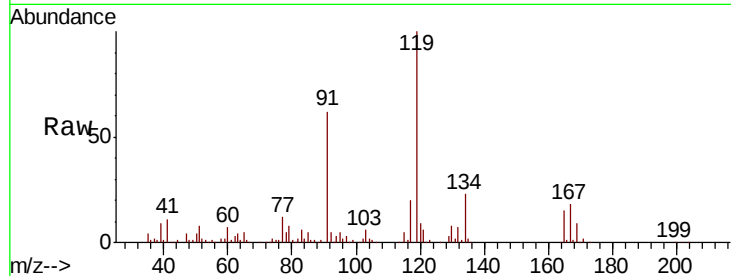
#83
tert-Butylbenzene
Concen: 26.15 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201538		
91	62.4		28.1	84.3
134	23.3		11.1	33.3

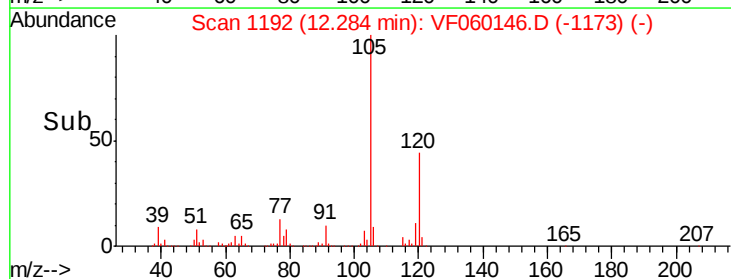
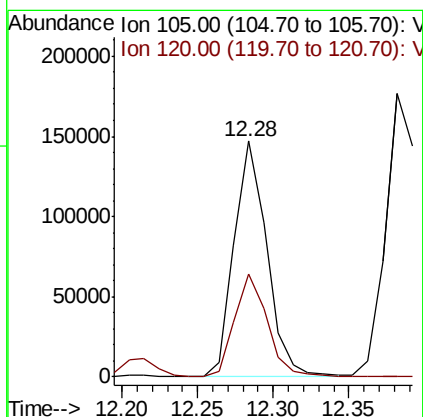
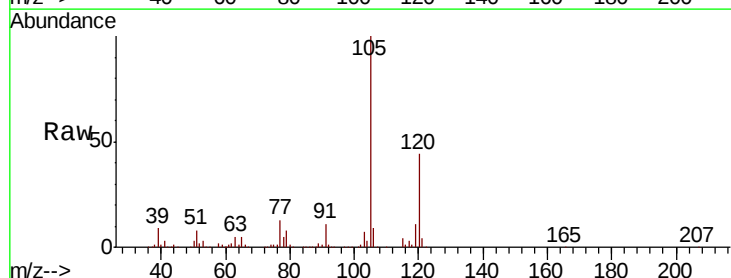
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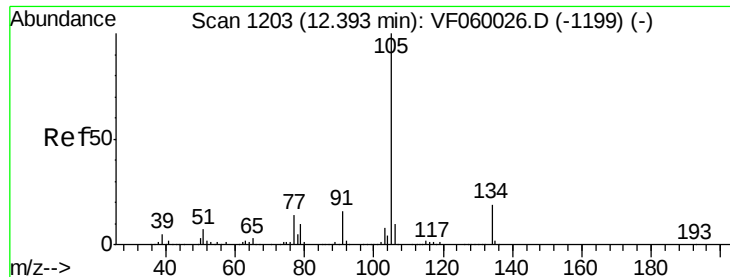
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#84
1,2,4-Trimethylbenzene
Concen: 26.45 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222208		
120	43.6		23.3	69.8





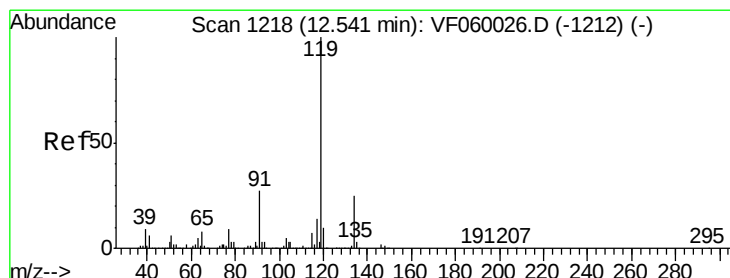
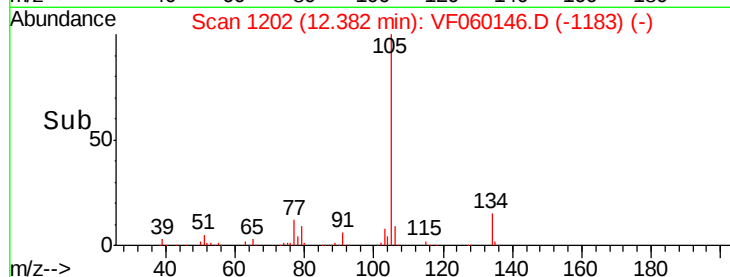
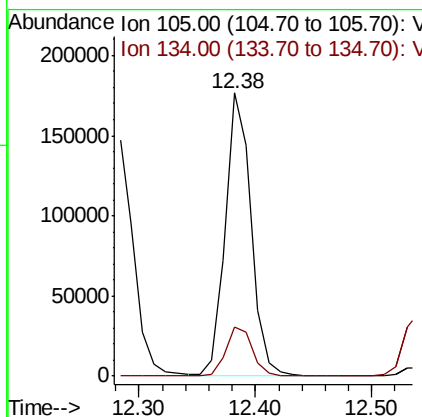
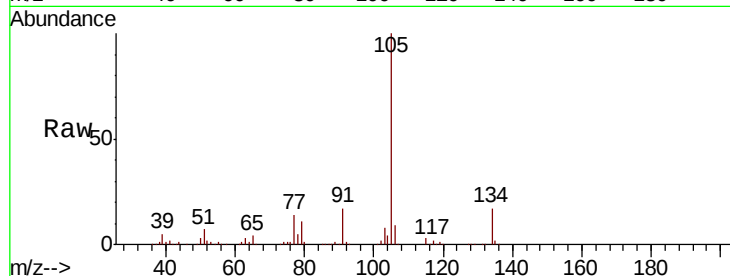
#85
 sec-Butylbenzene
 Concen: 25.21 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	270405		
134	17.3	9.3	27.9	

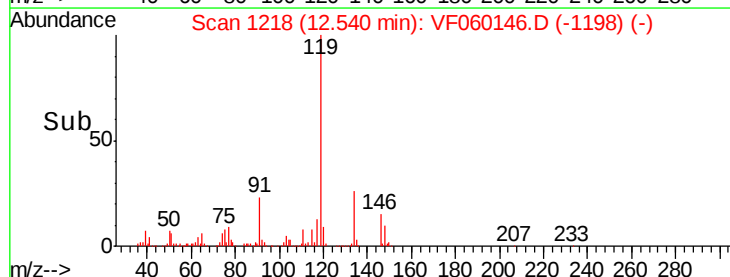
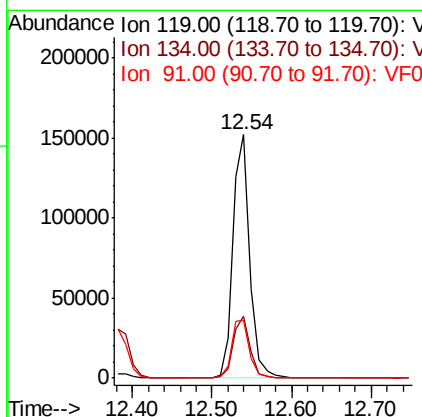
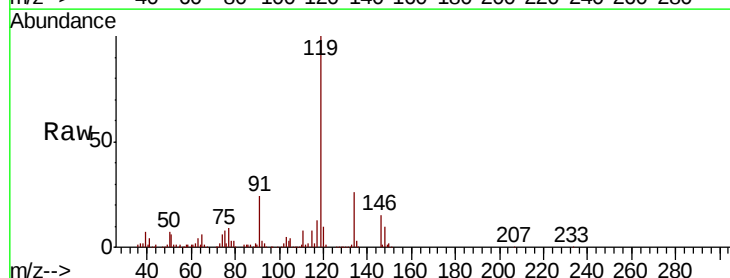
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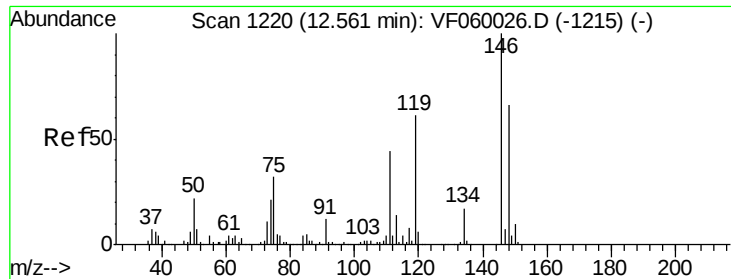
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#86
 p-Isopropyltoluene
 Concen: 25.26 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	224852		
134	25.7	12.4	37.2	
91	23.6	13.5	40.4	





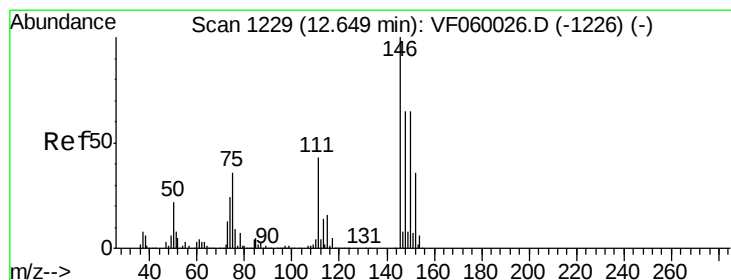
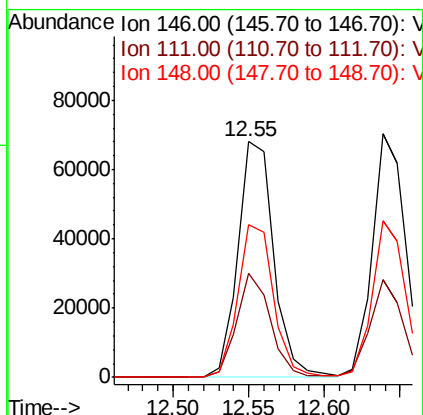
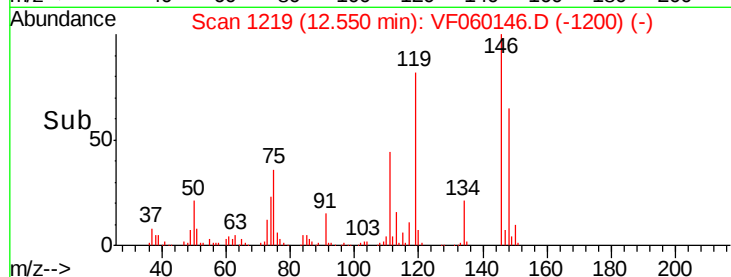
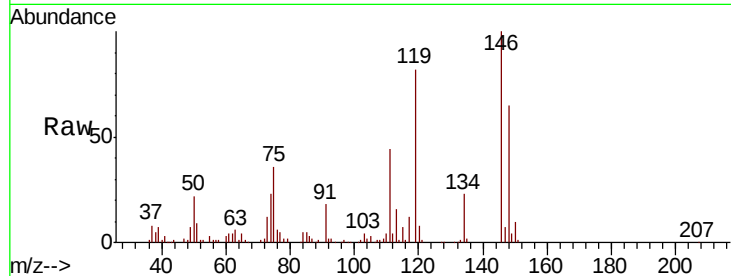
#87
 1,3-Dichlorobenzene
 Concen: 24.58 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	112084		
111	44.2	21.9	65.5	
148	64.6	32.9	98.7	

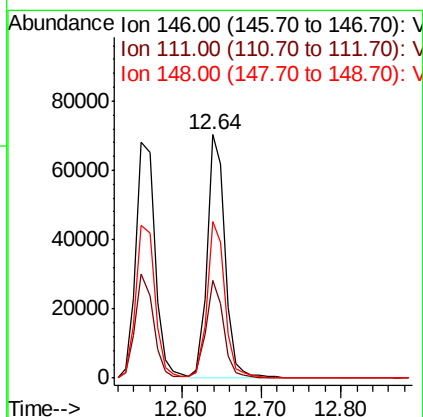
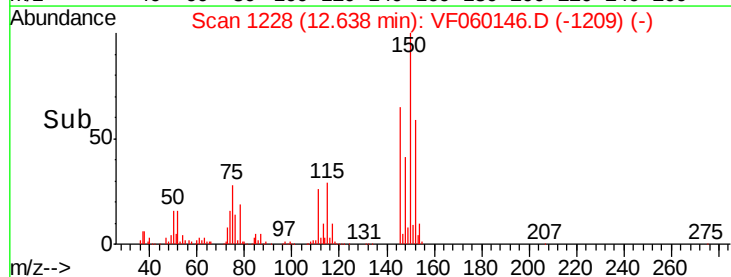
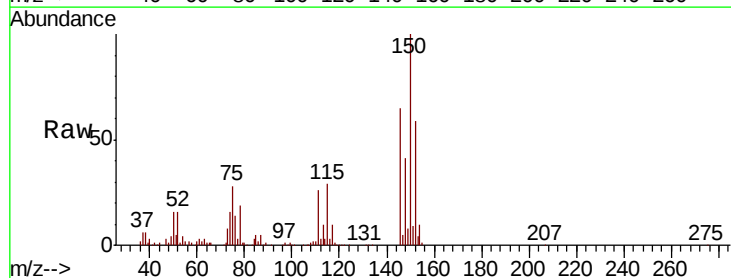
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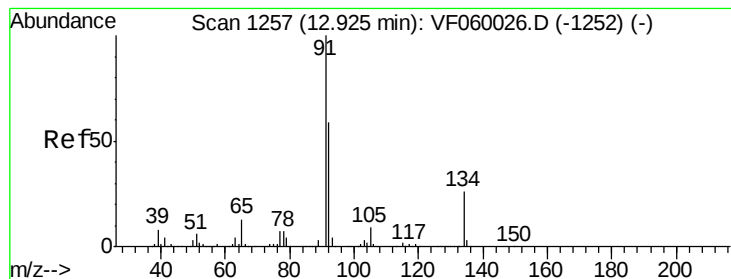
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#88
 1,4-Dichlorobenzene
 Concen: 24.44 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	110746		
111	40.3	21.6	64.8	
148	64.3	32.3	96.8	





#89

n-Butylbenzene

Concen: 25.87 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

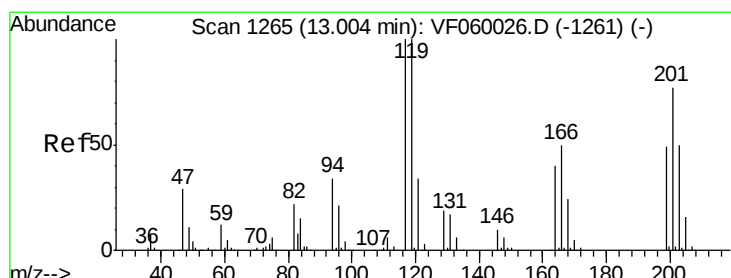
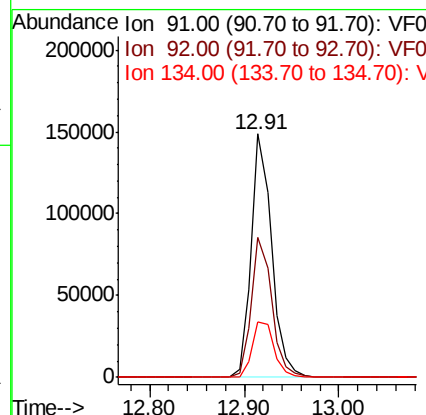
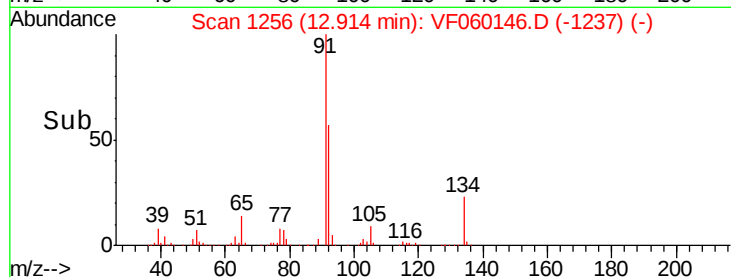
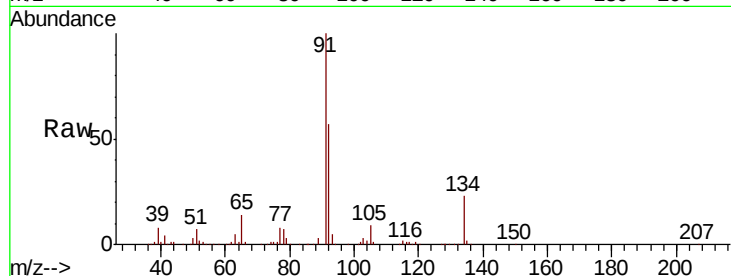
ClientSampleId :

VF0828SBS01

Tot Ion:	91	Resp:	223653
Ion	Ratio	Lower	Upper
91	100		
92	57.3	29.3	87.9
134	22.6	12.8	38.3

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#90

Hexachloroethane

Concen: 25.25 ug/l

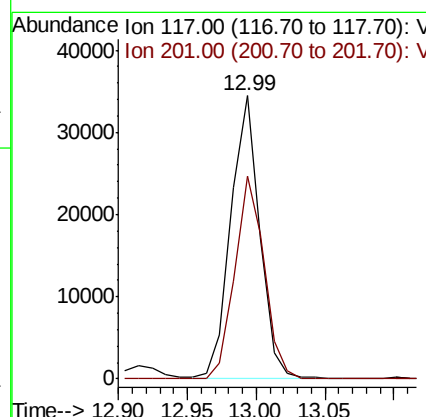
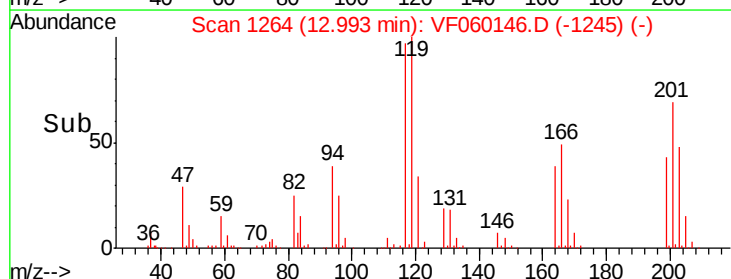
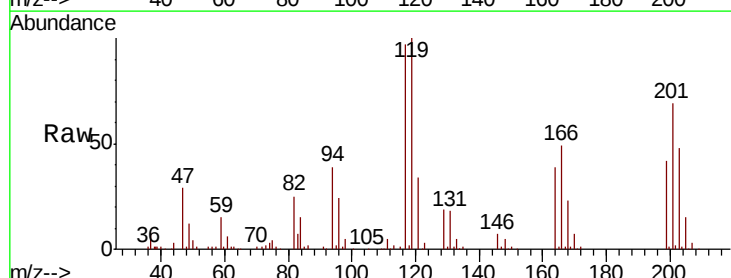
RT: 12.99 min Scan# 1264

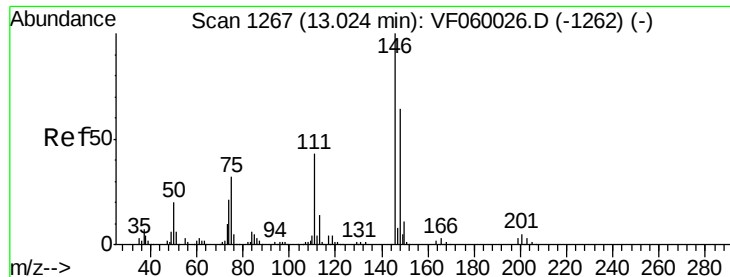
Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:	117	Resp:	50491
Ion	Ratio	Lower	Upper
117	100		
201	71.7	38.6	115.8





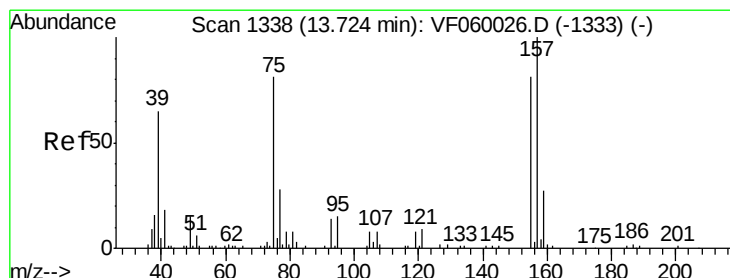
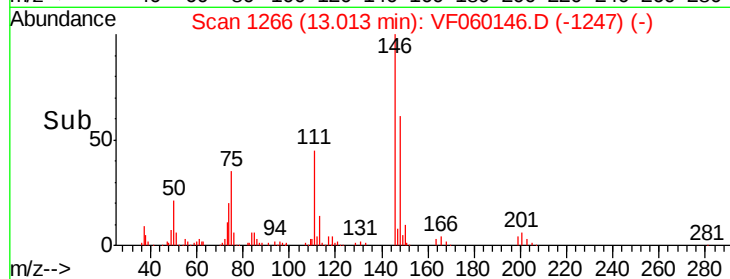
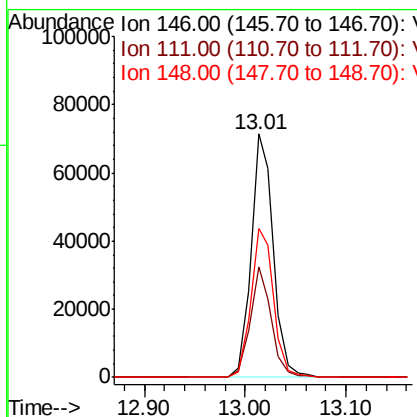
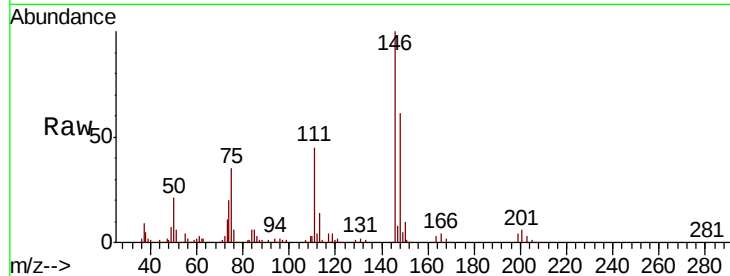
#91
 1,2-Dichlorobenzene
 Concen: 24.99 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.6	64.6
148	61.4	32.3	96.8

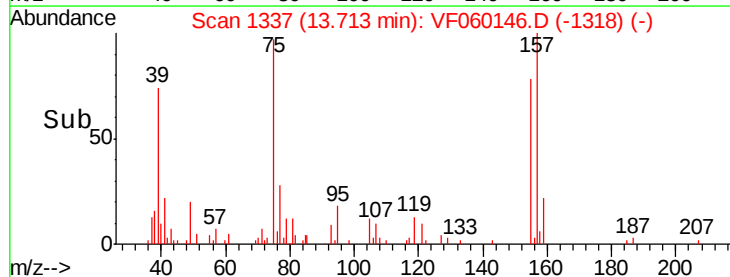
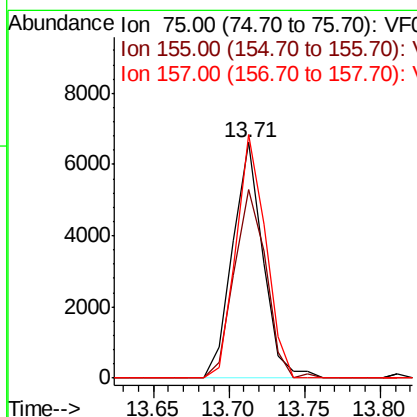
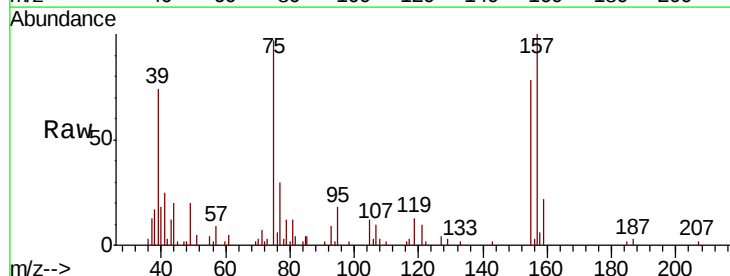
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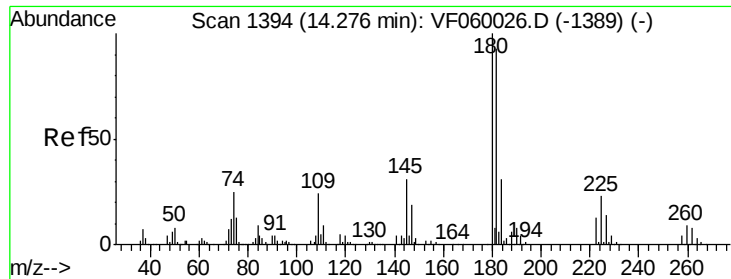
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.71 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	49.8	149.3
157	103.4	61.6	184.7





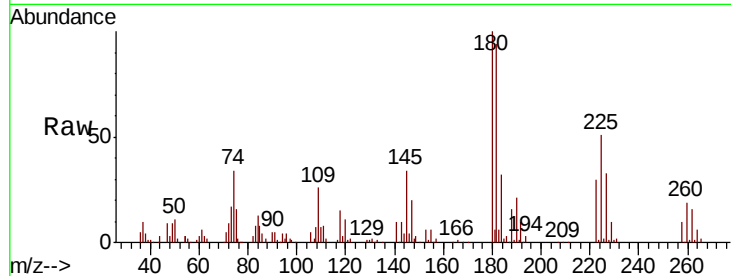
#93
1,2,4-Trichlorobenzene
Concen: 22.70 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	73322		
182	93.9	46.8	140.3	
145	34.4	15.4	46.4	

Manual Integrations
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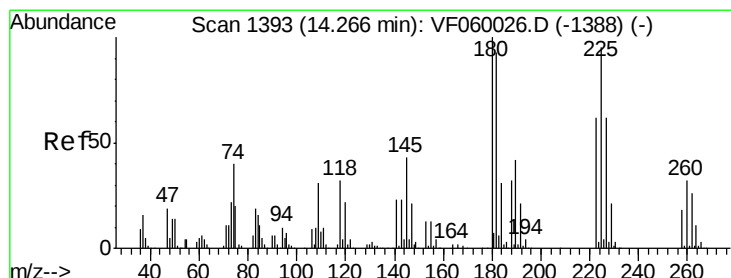
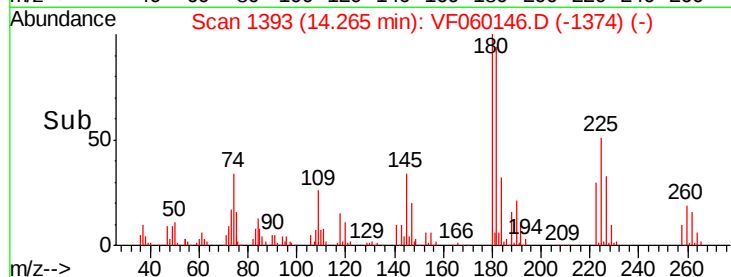
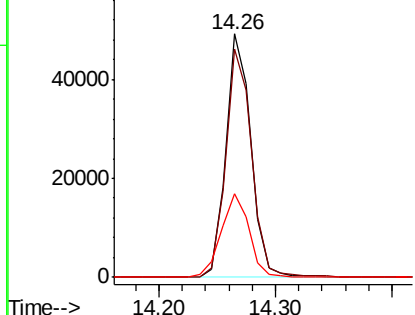


Abundance

Ion 180.00 (179.70 to 180.70): V

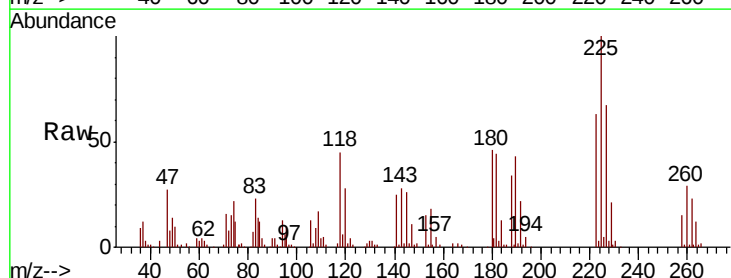
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 27.01 ug/l
RT: 14.26 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54286		
223	63.1	32.6	97.8	
227	66.8	33.0	98.9	

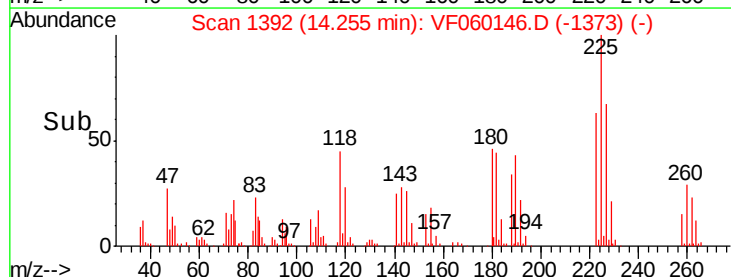
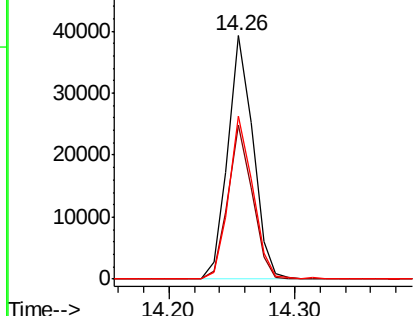


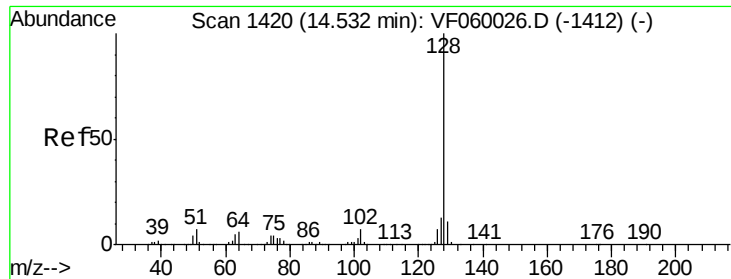
Abundance

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: 17.79 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

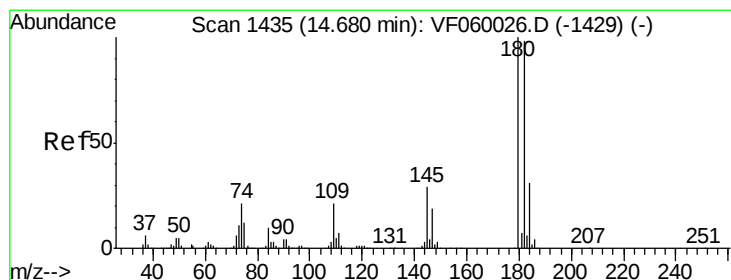
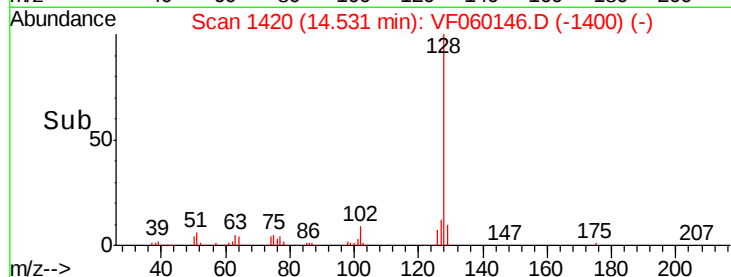
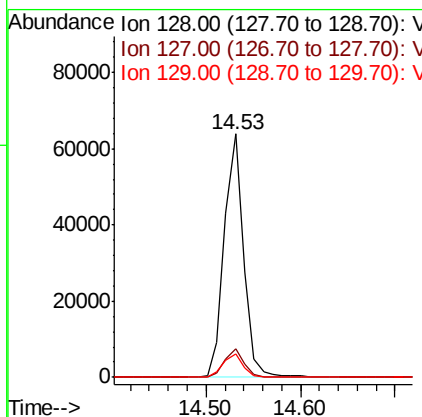
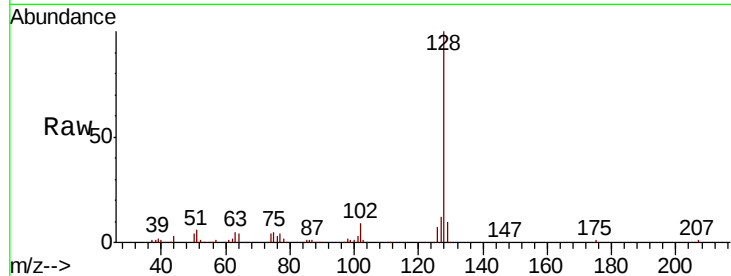
ClientSampleId :

VF0828SBS01

Tot Ion:	128	Resp:	91035
Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.4	15.6
129	9.8	8.5	12.7

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#96

1,2,3-Trichlorobenzene

Concen: 22.47 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:	180	Resp:	69234
Ion	Ratio	Lower	Upper
180	100		
182	96.2	49.0	147.2
145	30.6	14.4	43.2

